

Appendix D. Output Power Measurement

1. UMTS/LTE Output Power (Unit: dBm)

<WCDMA Conducted Power>

1. The following tests were conducted according to the test requirements outlines in 3GPP TS 34.121 specification.
2. The procedures in KDB 941225 D01v03r01 are applied for 3GPP Rel. 6 HSPA to configure the device in the required sub-test mode(s) to determine SAR test exclusion.
3. For DC-HSDPA, the device was configured according to the H-Set 12, Fixed Reference Channel (FRC) configuration in Table C.8.1.12 of 3GPP TS 34.121-1, with the primary and the secondary serving HS-DSCH Cell enabled during the power measurement.

A summary of these settings are illustrated below:

HSDPA Setup Configuration:

- a. The EUT was connected to Base Station Agilent E5515C referred to the Setup Configuration.
- b. The RF path losses were compensated into the measurements.
- c. A call was established between EUT and Base Station with following setting:
 - i. Set Gain Factors (β_c and β_d) and parameters were set according to each
 - ii. Specific sub-test in the following table, C10.1.4, quoted from the TS 34.121
 - iii. Set RMC 12.2Kbps + HSDPA mode.
 - iv. Set Cell Power = -86 dBm
 - v. Set HS-DSCH Configuration Type to FRC (H-set 1, QPSK)
 - vi. Select HSDPA Uplink Parameters
 - vii. Set Delta ACK, Delta NACK and Delta CQI = 8
 - viii. Set Ack-Nack Repetition Factor to 3
 - ix. Set CQI Feedback Cycle (k) to 4 ms
 - x. Set CQI Repetition Factor to 2
 - xi. Power Ctrl Mode = All Up bits
- d. The transmitted maximum output power was recorded.

Table C.10.1.4: β values for transmitter characteristics tests with HS-DPCCH

Sub-test	β_c	β_d	β_d (SF)	β_c/β_d	β_{hs} (Note 1, Note 2)	CM (dB) (Note 3)	MPR (dB) (Note 3)
1	2/15	15/15	64	2/15	4/15	0.0	0.0
2	12/15 (Note 4)	15/15 (Note 4)	64	12/15 (Note 4)	24/15	1.0	0.0
3	15/15	8/15	64	15/8	30/15	1.5	0.5
4	15/15	4/15	64	15/4	30/15	1.5	0.5
Note 1: Δ_{ACK}, Δ_{NACK} and $\Delta_{CQI} = 30/15$ with $\beta_{hs} = 30/15 * \beta_c$. Note 2: For the HS-DPCCH power mask requirement test in clause 5.2C, 5.7A, and the Error Vector Magnitude (EVM) with HS-DPCCH test in clause 5.13.1A, and HSDPA EVM with phase discontinuity in clause 5.13.1AA, Δ_{ACK} and $\Delta_{NACK} = 30/15$ with $\beta_{hs} = 30/15 * \beta_c$, and $\Delta_{CQI} = 24/15$ with $\beta_{hs} = 24/15 * \beta_c$. Note 3: CM = 1 for $\beta_c/\beta_d = 12/15$, $\beta_{hs}/\beta_c = 24/15$. For all other combinations of DPDCCH, DPCCH and HS-DPCCH the MPR is based on the relative CM difference. This is applicable for only UEs that support HSDPA in release 6 and later releases. Note 4: For subtest 2 the β_c/β_d ratio of 12/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to $\beta_c = 11/15$ and $\beta_d = 15/15$.							

Setup Configuration

HSUPA Setup Configuration:

- a. The EUT was connected to Base Station Agilent E5515C referred to the Setup Configuration.
- b. The RF path losses were compensated into the measurements.
- c. A call was established between EUT and Base Station with following setting * :
 - i. Call Configs = 5.2B, 5.9B, 5.10B, and 5.13.2B with QPSK
 - ii. Set the Gain Factors (β_c and β_d) and parameters (AG Index) were set according to each specific sub-test in the following table, C11.1.3, quoted from the TS 34.121
 - iii. Set Cell Power = -86 dBm
 - iv. Set Channel Type = 12.2k + HSPA
 - v. Set UE Target Power
 - vi. Power Ctrl Mode= Alternating bits
 - vii. Set and observe the E-TFCI
 - viii. Confirm that E-TFCI is equal to the target E-TFCI of 75 for sub-test 1, and other subtest's E-TFCI
- d. The transmitted maximum output power was recorded.

Table C.11.1.3: β values for transmitter characteristics tests with HS-DPCCH and E-DCH

Sub-test	β_c	β_d	β_d (SF)	β_c/β_d	β_{HS} (Note 1)	β_{ec}	β_{ed} (Note 4) (Note 5)	β_{ed} (SF)	β_{ed} (Codes)	CM (dB) (Note 2)	MPR (dB) (Note 2) (Note 6)	AG Index (Note 5)	E-TFCI
1	11/15 (Note 3)	15/15 (Note 3)	64	11/15 (Note 3)	22/15	209/25	1309/225	4	1	1.0	0.0	20	75
2	6/15	15/15	64	6/15	12/15	12/15	94/75	4	1	3.0	2.0	12	67
3	15/15	9/15	64	15/9	30/15	30/15	$\beta_{ed1}: 47/15$ $\beta_{ed2}: 47/15$	4	2	2.0	1.0	15	92
4	2/15	15/15	64	2/15	4/15	2/15	56/75	4	1	3.0	2.0	17	71
5	15/15	0	-	-	5/15	5/15	47/15	4	1	1.0	0.0	12	67

Note 1: For sub-test 1 to 4, Δ_{ACK} , Δ_{NACK} and $\Delta_{CQI} = 30/15$ with $\beta_{hs} = 30/15 * \beta_c$. For sub-test 5, Δ_{ACK} , Δ_{NACK} and $\Delta_{CQI} = 5/15$ with $\beta_{hs} = 5/15 * \beta_c$.

Note 2: CM = 1 for $\beta_c/\beta_d = 12/15$, $\beta_{hs}/\beta_c = 24/15$. For all other combinations of DPDCH, DPCCH, HS-DPCCH, E-DPDCH and E-DPCCH the MPR is based on the relative CM difference.

Note 3: For subtest 1 the β_c/β_d ratio of 11/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to $\beta_c = 10/15$ and $\beta_d = 15/15$.

Note 4: In case of testing by UE using E-DPDCH Physical Layer category 1, Sub-test 3 is omitted according to TS25.306 Table 5.1g.

Note 5: β_{ed} can not be set directly; it is set by Absolute Grant Value.

Note 6: For subtests 2, 3 and 4, UE may perform E-DPDCH power scaling at max power which could results in slightly smaller MPR values.

Setup Configuration

DC-HSDPA 3GPP release 8 Setup Configuration:

- a. The EUT was connected to Base Station Agilent E5515C referred to the Setup Configuration below
- b. The RF path losses were compensated into the measurements.
- c. A call was established between EUT and Base Station with following setting:
 - i. Set RMC 12.2Kbps + HSDPA mode.
 - ii. Set Cell Power = -25 dBm
 - iii. Set HS-DSCH Configuration Type to FRC (H-set 12, QPSK)
 - iv. Select HSDPA Uplink Parameters
 - v. Set Gain Factors (β_c and β_d) and parameters were set according to each Specific sub-test in the following table, C10.1.4, quoted from the TS 34.121
 - a). Subtest 1: $\beta_c/\beta_d=2/15$
 - b). Subtest 2: $\beta_c/\beta_d=12/15$
 - c). Subtest 3: $\beta_c/\beta_d=15/8$
 - d). Subtest 4: $\beta_c/\beta_d=15/4$
 - vi. Set Delta ACK, Delta NACK and Delta CQI = 8
 - vii. Set Ack-Nack Repetition Factor to 3
 - viii. Set CQI Feedback Cycle (k) to 4 ms
 - ix. Set CQI Repetition Factor to 2
 - x. Power Ctrl Mode = All Up bits
- d. The transmitted maximum output power was recorded.

The following tests were conducted according to the test requirements outlines in 3GPP TS 34.121 specification. A summary of these settings are illustrated below:

C.8.1.12 Fixed Reference Channel Definition H-Set 12

Table C.8.1.12: Fixed Reference Channel H-Set 12

Parameter	Unit	Value
Nominal Avg. Inf. Bit Rate	kbps	60
Inter-TTI Distance	TTI's	1
Number of HARQ Processes	Processes	6
Information Bit Payload (N_{inf})	Bits	120
Number Code Blocks	Blocks	1
Binary Channel Bits Per TTI	Bits	960
Total Available SML's in UE	SML's	19200
Number of SML's per HARQ Proc.	SML's	3200
Coding Rate		0.15
Number of Physical Channel Codes	Codes	1
Modulation		QPSK
Note 1: The RMC is intended to be used for DC-HSDPA mode and both cells shall transmit with identical parameters as listed in the table.		
Note 2: Maximum number of transmission is limited to 1, i.e., retransmission is not allowed. The redundancy and constellation version 0 shall be used.		

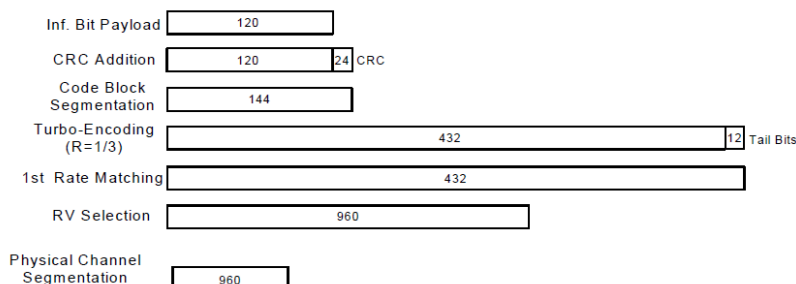


Figure C.8.19: Coding rate for Fixed reference Channel H-Set 12 (QPSK)

Setup Configuration

<WCDMA Conducted Power>
General Note:

1. Per KDB 941225 D01v03r01, for SAR testing is measured using a 12.2 kbps RMC with TPC bits configured to all "1's".
2. Per KDB 941225 D01v03r01, RMC 12.2kbps setting is used to evaluate SAR. The maximum output power and tune-up tolerance specified for production units in HSDPA / HSUPA / DC-HSDPA is $\leq \frac{1}{4}$ dB higher than RMC 12.2Kbps or when the highest reported SAR of the RMC12.2Kbps is scaled by the ratio of specified maximum output power and tune-up tolerance of HSDPA / HSUPA / DC-HSDPA to RMC12.2Kbps and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA, and according to the following RF output power, the output power results of the secondary modes (HSUPA, HSDPA, DC-HSDPA) are less than $\frac{1}{4}$ dB higher than the primary modes; therefore, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA.

<WCDMA>

Band		WCDMA II_Ant 1_DSI 0			Tune-up Limit (dBm)	WCDMA IV_Ant 1_DSI 0			Tune-up Limit (dBm)	WCDMA V_Ant 1_DSI 0			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	RMC 12.2Kbps	24.04	24.32	24.48	25.00	23.97	24.13	24.26	25.00	24.85	24.89	24.63	25.00
3GPP Rel 6	HSDPA Subtest-1	23.09	23.27	23.49	24.00	22.97	23.14	23.24	24.00	23.84	23.85	23.62	24.00
3GPP Rel 6	HSDPA Subtest-2	23.00	23.28	23.52	24.00	22.97	23.07	23.36	24.00	23.80	23.76	23.60	24.00
3GPP Rel 6	HSDPA Subtest-3	22.62	22.69	23.03	23.50	22.60	22.59	22.89	23.50	23.36	23.41	23.21	23.50
3GPP Rel 6	HSDPA Subtest-4	22.56	22.80	23.03	23.50	22.40	22.68	22.79	23.50	23.30	23.21	23.15	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.00	23.35	23.55	24.00	22.93	23.19	23.26	24.00	23.93	23.78	23.56	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.96	23.30	23.58	24.00	23.03	23.12	23.35	24.00	23.86	23.75	23.66	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.63	22.71	22.99	23.50	22.68	22.57	22.85	23.50	23.43	23.47	23.11	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.63	22.84	23.09	23.50	22.30	22.63	22.69	23.50	23.36	23.30	23.24	23.50
3GPP Rel 6	HSUPA Subtest-1	23.12	23.32	23.50	24.00	22.97	23.18	23.26	24.00	23.91	23.80	23.60	24.00
3GPP Rel 6	HSUPA Subtest-2	21.05	21.31	21.55	22.00	21.13	21.15	21.23	22.00	21.85	21.77	21.58	22.00
3GPP Rel 6	HSUPA Subtest-3	22.09	22.33	22.51	23.00	22.07	22.15	22.16	23.00	22.82	22.85	22.43	23.00
3GPP Rel 6	HSUPA Subtest-4	21.18	21.42	21.52	22.00	21.04	21.15	21.30	22.00	21.92	21.77	21.57	22.00
3GPP Rel 6	HSUPA Subtest-5	23.00	23.40	23.50	24.00	23.00	23.20	23.40	24.00	23.80	23.80	23.50	24.00

<WCDMA>													
Band		WCDMA II_Ant 1_DSI 3			Tune-up Limit (dBm)	WCDMA IV_Ant 1_DSI 3			Tune-up Limit (dBm)	WCDMA V_Ant 1_DSI 3			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	RMC 12.2Kbps	23.47	23.76	23.90	23.90	23.51	23.63	23.82	24.00	24.85	24.89	24.63	25.00
3GPP Rel 6	HSDPA Subtest-1	22.54	22.86	22.90	22.90	22.54	22.68	22.99	23.00	23.84	23.85	23.62	24.00
3GPP Rel 6	HSDPA Subtest-2	22.63	22.85	22.90	22.90	22.48	22.80	22.79	23.00	23.80	23.76	23.60	24.00
3GPP Rel 6	HSDPA Subtest-3	22.12	22.40	22.38	22.40	22.13	22.35	22.43	22.50	23.36	23.41	23.21	23.50
3GPP Rel 6	HSDPA Subtest-4	22.07	22.28	22.39	22.40	22.02	22.24	22.46	22.50	23.30	23.21	23.15	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.53	22.80	22.86	22.90	22.45	22.63	22.80	23.00	23.93	23.78	23.56	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.57	22.75	22.90	22.90	22.45	22.65	22.79	23.00	23.86	23.75	23.66	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.00	22.28	22.33	22.40	21.98	22.16	22.31	22.50	23.43	23.47	23.11	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.03	22.24	22.36	22.40	22.01	22.10	22.29	22.50	23.36	23.30	23.24	23.50
3GPP Rel 6	HSUPA Subtest-1	22.50	22.77	22.85	22.90	22.42	22.67	22.78	23.00	23.91	23.80	23.60	24.00
3GPP Rel 6	HSUPA Subtest-2	20.48	20.82	20.89	20.90	20.46	20.61	20.81	21.00	21.85	21.77	21.58	22.00
3GPP Rel 6	HSUPA Subtest-3	21.49	21.79	21.89	21.90	21.48	21.62	21.81	22.00	22.82	22.85	22.43	23.00
3GPP Rel 6	HSUPA Subtest-4	20.48	20.76	20.86	20.90	20.49	20.69	20.73	21.00	21.92	21.77	21.57	22.00
3GPP Rel 6	HSUPA Subtest-5	22.50	22.80	22.80	22.90	22.50	22.60	22.80	23.00	23.80	23.80	23.50	24.00

<WCDMA>													
Band		WCDMA II_Ant 1_WiFi off_DSI 1			Tune-up Limit (dBm)	WCDMA IV_Ant 1_WiFi off_DSI 1			Tune-up Limit (dBm)	WCDMA V_Ant 1_WiFi off_DSI 1			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	RMC 12.2Kbps	24.04	24.32	24.48	25.00	23.97	24.13	24.26	25.00	24.85	24.89	24.63	25.00
3GPP Rel 6	HSDPA Subtest-1	23.09	23.27	23.49	24.00	22.97	23.14	23.24	24.00	23.84	23.85	23.62	24.00
3GPP Rel 6	HSDPA Subtest-2	23.00	23.28	23.52	24.00	22.97	23.07	23.36	24.00	23.80	23.76	23.60	24.00
3GPP Rel 6	HSDPA Subtest-3	22.62	22.69	23.03	23.50	22.60	22.59	22.89	23.50	23.36	23.41	23.21	23.50
3GPP Rel 6	HSDPA Subtest-4	22.56	22.80	23.03	23.50	22.40	22.68	22.79	23.50	23.30	23.21	23.15	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.00	23.35	23.55	24.00	22.93	23.19	23.26	24.00	23.93	23.78	23.56	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.96	23.30	23.58	24.00	23.03	23.12	23.35	24.00	23.86	23.75	23.66	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.63	22.71	22.99	23.50	22.68	22.57	22.85	23.50	23.43	23.47	23.11	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.63	22.84	23.09	23.50	22.30	22.63	22.69	23.50	23.36	23.30	23.24	23.50
3GPP Rel 6	HSUPA Subtest-1	23.12	23.32	23.50	24.00	22.97	23.18	23.26	24.00	23.91	23.80	23.60	24.00
3GPP Rel 6	HSUPA Subtest-2	21.05	21.31	21.55	22.00	21.13	21.15	21.23	22.00	21.85	21.77	21.58	22.00
3GPP Rel 6	HSUPA Subtest-3	22.09	22.33	22.51	23.00	22.07	22.15	22.16	23.00	22.82	22.85	22.43	23.00
3GPP Rel 6	HSUPA Subtest-4	21.18	21.42	21.52	22.00	21.04	21.15	21.30	22.00	21.92	21.77	21.57	22.00
3GPP Rel 6	HSUPA Subtest-5	23.00	23.40	23.50	24.00	23.00	23.20	23.40	24.00	23.80	23.80	23.50	24.00

<LTE Conducted Power>**General Note:**

1. A Base station simulator was used to setup the connection with EUT; the frequency band, channel bandwidth, RB allocation configuration, modulation type are set in the base station simulator to configure EUT transmitting at maximum power and at different configurations which are requested to be reported to FCC, for conducted power measurement and SAR testing.
2. Per KDB 941225 D05v02r05, when a properly configured base station simulator is used for the SAR and power measurements, spectrum plots for each RB allocation and offset configuration is not required.
3. Per KDB 941225 D05v02r05, start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
4. Per KDB 941225 D05v02r05, 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.
5. Per KDB 941225 D05v02r05, For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.
6. Per KDB 941225 D05v02r05, 16QAM output power for each RB allocation configuration is $>$ not $\frac{1}{2}$ dB higher than the same configuration in QPSK and the reported SAR for the QPSK configuration is ≤ 1.45 W/kg; Per KDB 941225 D05v02r05, 16QAM SAR testing is not required.
7. Per KDB 941225 D05v02r05, Smaller bandwidth output power for each RB allocation configuration is $>$ not $\frac{1}{2}$ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg; Per KDB 941225 D05v02r05, smaller bandwidth SAR testing is not required.
8. For LTE B4/B5/B12/B17/B26/B38/B71 the maximum bandwidth does not support three non-overlapping channels, per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.
9. LTE band 2/4/5/17/38 SAR test was covered by Band 25/66/26/12/41; according to April 2015 TCB workshop, SAR test for overlapping LTE bands can be reduced if
 - a. the maximum output power, including tolerance, for the smaller band is $\leq$ the larger band to qualify for the SAR test exclusion
 - b. the channel bandwidth and other operating parameters for the smaller band are fully supported by the larger band



<LTE Band 2_Ant 1_DSI 0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	23.72	23.73	23.86	25
20	QPSK	1	49	23.70	23.73	23.79	
20	QPSK	1	99	23.62	23.70	23.80	
20	QPSK	50	0	22.74	22.74	23.15	24
20	QPSK	50	24	22.81	22.83	23.05	
20	QPSK	50	50	22.77	22.84	23.14	
20	QPSK	100	0	22.78	22.83	23.06	
20	16QAM	1	0	22.98	23.00	23.21	24
20	16QAM	1	49	23.02	23.00	23.24	
20	16QAM	1	99	22.98	23.07	23.31	
20	16QAM	50	0	21.72	21.74	22.02	23
20	16QAM	50	24	21.79	21.84	22.07	
20	16QAM	50	50	21.78	21.81	22.17	
20	16QAM	100	0	21.79	21.81	22.03	
20	64QAM	1	0	21.87	21.93	21.98	23
20	64QAM	1	49	21.86	22.06	22.22	
20	64QAM	1	99	21.78	21.95	22.28	
20	64QAM	50	0	20.72	20.75	20.98	22
20	64QAM	50	24	20.80	20.84	21.04	
20	64QAM	50	50	20.77	20.79	21.11	
20	64QAM	100	0	20.81	20.81	21.02	
20	256QAM	1	0	19.39	19.30	19.48	20
20	256QAM	1	49	19.25	19.27	19.48	
20	256QAM	1	99	19.27	19.29	19.28	
20	256QAM	50	0	19.31	19.17	19.35	20
20	256QAM	50	24	19.33	19.12	19.41	
20	256QAM	50	50	19.22	19.24	19.28	
20	256QAM	100	0	19.30	19.26	19.38	
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	23.70	23.66	23.85	25
15	QPSK	1	37	23.62	23.73	23.72	
15	QPSK	1	74	23.55	23.67	23.73	
15	QPSK	36	0	22.67	22.72	23.02	24
15	QPSK	36	20	22.73	22.80	23.02	
15	QPSK	36	39	22.72	22.76	23.04	
15	QPSK	75	0	22.69	22.75	23.02	
15	16QAM	1	0	22.97	22.92	23.20	24
15	16QAM	1	37	22.92	22.96	23.14	
15	16QAM	1	74	22.92	23.02	23.24	
15	16QAM	36	0	21.62	21.72	22.02	23
15	16QAM	36	20	21.78	21.77	22.00	
15	16QAM	36	39	21.78	21.77	22.09	
15	16QAM	75	0	21.71	21.74	22.00	
15	64QAM	1	0	21.77	21.92	21.89	23
15	64QAM	1	37	21.79	22.06	22.13	
15	64QAM	1	74	21.78	21.90	22.27	
15	64QAM	36	0	20.68	20.68	20.90	22
15	64QAM	36	20	20.76	20.82	21.03	
15	64QAM	36	39	20.75	20.75	21.05	
15	64QAM	75	0	20.81	20.74	20.99	
15	256QAM	1	0	19.34	19.28	19.48	20
15	256QAM	1	37	19.21	19.18	19.40	
15	256QAM	1	74	19.21	19.25	19.26	
15	256QAM	36	0	19.27	19.13	19.34	20
15	256QAM	36	20	19.32	19.04	19.37	



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15	256QAM	36	39	19.22	19.23	19.22	Tune-up limit (dBm)
15	256QAM	75	0	19.22	19.19	19.33	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	23.67	23.65	23.78	25
10	QPSK	1	25	23.69	23.66	23.74	
10	QPSK	1	49	23.60	23.63	23.80	
10	QPSK	25	0	22.65	22.68	22.94	24
10	QPSK	25	12	22.79	22.83	22.98	
10	QPSK	25	25	22.73	22.81	23.06	
10	QPSK	50	0	22.76	22.76	22.96	
10	16QAM	1	0	22.95	22.98	23.20	24
10	16QAM	1	25	22.97	22.96	23.19	
10	16QAM	1	49	22.89	22.99	23.29	
10	16QAM	25	0	21.64	21.69	21.94	23
10	16QAM	25	12	21.71	21.74	22.05	
10	16QAM	25	25	21.70	21.72	22.13	
10	16QAM	50	0	21.69	21.72	22.00	
10	64QAM	1	0	21.79	21.85	21.95	23
10	64QAM	1	25	21.78	21.98	22.12	
10	64QAM	1	49	21.70	21.95	22.19	
10	64QAM	25	0	20.70	20.68	20.90	22
10	64QAM	25	12	20.80	20.79	20.96	
10	64QAM	25	25	20.76	20.73	21.06	
10	64QAM	50	0	20.80	20.80	21.00	
10	256QAM	1	0	19.32	19.25	19.39	20
10	256QAM	1	25	19.25	19.25	19.39	
10	256QAM	1	49	19.22	19.26	19.21	
10	256QAM	25	0	19.31	19.16	19.29	20
10	256QAM	25	12	19.26	19.02	19.38	
10	256QAM	25	25	19.21	19.15	19.26	
10	256QAM	50	0	19.23	19.18	19.34	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	23.63	23.65	23.84	25
5	QPSK	1	12	23.61	23.65	23.79	
5	QPSK	1	24	23.55	23.70	23.80	
5	QPSK	12	0	22.71	22.66	22.99	24
5	QPSK	12	7	22.77	22.78	22.98	
5	QPSK	12	13	22.75	22.76	23.09	
5	QPSK	25	0	22.74	22.75	23.03	
5	16QAM	1	0	22.90	22.99	23.18	24
5	16QAM	1	12	23.00	22.94	23.19	
5	16QAM	1	24	22.96	23.00	23.22	
5	16QAM	12	0	21.65	21.71	21.98	23
5	16QAM	12	7	21.73	21.81	22.01	
5	16QAM	12	13	21.77	21.71	22.07	
5	16QAM	25	0	21.73	21.79	21.99	
5	64QAM	1	0	21.82	21.91	21.95	23
5	64QAM	1	12	21.82	21.99	22.18	
5	64QAM	1	24	21.78	21.91	22.18	
5	64QAM	12	0	20.64	20.67	20.88	22
5	64QAM	12	7	20.72	20.82	20.98	
5	64QAM	12	13	20.75	20.79	21.04	
5	64QAM	25	0	20.72	20.79	20.93	
5	256QAM	1	0	19.34	19.28	19.39	20
5	256QAM	1	12	19.22	19.24	19.40	
5	256QAM	1	24	19.20	19.25	19.27	
5	256QAM	12	0	19.27	19.11	19.28	20
5	256QAM	12	7	19.33	19.09	19.40	
5	256QAM	12	13	19.19	19.21	19.24	
5	256QAM	25	0	19.23	19.20	19.29	
Channel				18615	18900	19185	



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Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	23.69	23.69	23.80	25
3	QPSK	1	8	23.66	23.64	23.79	
3	QPSK	1	14	23.56	23.64	23.74	
3	QPSK	8	0	22.70	22.74	23.03	24
3	QPSK	8	4	22.73	22.74	22.95	
3	QPSK	8	7	22.71	22.74	23.06	
3	QPSK	15	0	22.70	22.81	22.96	
3	16QAM	1	0	22.98	22.93	23.20	24
3	16QAM	1	8	22.95	22.98	23.14	
3	16QAM	1	14	22.91	22.98	23.28	
3	16QAM	8	0	21.68	21.73	21.95	23
3	16QAM	8	4	21.78	21.78	22.01	
3	16QAM	8	7	21.71	21.75	22.08	
3	16QAM	15	0	21.70	21.78	21.96	
3	64QAM	1	0	21.78	21.85	21.92	23
3	64QAM	1	8	21.78	22.00	22.12	
3	64QAM	1	14	21.75	21.87	22.20	
3	64QAM	8	0	20.64	20.66	20.89	22
3	64QAM	8	4	20.75	20.84	21.04	
3	64QAM	8	7	20.69	20.70	21.08	
3	64QAM	15	0	20.75	20.77	20.99	
3	256QAM	1	0	19.29	19.26	19.42	20
3	256QAM	1	8	19.15	19.25	19.41	
3	256QAM	1	14	19.24	19.27	19.25	
3	256QAM	8	0	19.27	19.15	19.35	20
3	256QAM	8	4	19.24	19.06	19.34	
3	256QAM	8	7	19.19	19.20	19.27	
3	256QAM	15	0	19.24	19.25	19.31	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	23.71	23.71	23.82	25
1.4	QPSK	1	3	23.61	23.71	23.72	
1.4	QPSK	1	5	23.57	23.68	23.76	
1.4	QPSK	3	0	23.62	23.68	23.81	
1.4	QPSK	3	1	23.64	23.66	23.79	
1.4	QPSK	3	3	23.53	23.66	23.74	
1.4	QPSK	6	0	22.78	22.79	23.04	24
1.4	16QAM	1	0	22.95	23.00	23.16	24
1.4	16QAM	1	3	23.01	22.90	23.15	
1.4	16QAM	1	5	22.93	23.04	23.26	
1.4	16QAM	3	0	22.98	23.00	23.17	
1.4	16QAM	3	1	22.97	22.96	23.17	
1.4	16QAM	3	3	22.89	23.03	23.26	
1.4	16QAM	6	0	21.78	21.78	21.93	23
1.4	64QAM	1	0	21.85	21.86	21.88	23
1.4	64QAM	1	3	21.85	22.00	22.13	
1.4	64QAM	1	5	21.72	21.90	22.25	
1.4	64QAM	3	0	21.77	21.83	21.92	
1.4	64QAM	3	1	21.85	22.05	22.18	
1.4	64QAM	3	3	21.77	21.87	22.25	
1.4	64QAM	6	0	20.75	20.76	20.92	22
1.4	256QAM	1	0	19.31	19.25	19.39	20
1.4	256QAM	1	3	19.17	19.17	19.44	
1.4	256QAM	1	5	19.19	19.22	19.20	
1.4	256QAM	3	0	19.34	19.22	19.41	
1.4	256QAM	3	1	19.21	19.23	19.47	
1.4	256QAM	3	3	19.25	19.28	19.23	
1.4	256QAM	6	0	19.23	19.17	19.28	20



<LTE Band 2_Ant 1_DSI 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	23.72	23.73	23.86	
20	QPSK	1	49	23.70	23.73	23.79	24.1
20	QPSK	1	99	23.62	23.70	23.80	
20	QPSK	50	0	22.74	22.74	23.15	
20	QPSK	50	24	22.81	22.83	23.05	24
20	QPSK	50	50	22.77	22.84	23.14	
20	QPSK	100	0	22.78	22.83	23.06	
20	16QAM	1	0	22.98	23.00	23.21	24
20	16QAM	1	49	23.02	23.00	23.24	
20	16QAM	1	99	22.98	23.07	23.31	
20	16QAM	50	0	21.72	21.74	22.02	23
20	16QAM	50	24	21.79	21.84	22.07	
20	16QAM	50	50	21.78	21.81	22.17	
20	16QAM	100	0	21.79	21.81	22.03	23
20	64QAM	1	0	21.87	21.93	21.98	
20	64QAM	1	49	21.86	22.06	22.22	
20	64QAM	1	99	21.78	21.95	22.28	22
20	64QAM	50	0	20.72	20.75	20.98	
20	64QAM	50	24	20.80	20.84	21.04	
20	64QAM	50	50	20.77	20.79	21.11	20
20	64QAM	100	0	20.81	20.81	21.02	
20	256QAM	1	0	19.39	19.30	19.48	
20	256QAM	1	49	19.25	19.27	19.48	20
20	256QAM	1	99	19.27	19.29	19.28	
20	256QAM	50	0	19.31	19.17	19.35	
20	256QAM	50	24	19.33	19.12	19.41	20
20	256QAM	50	50	19.22	19.24	19.28	
20	256QAM	100	0	19.30	19.26	19.38	
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	23.70	23.66	23.85	
15	QPSK	1	37	23.62	23.73	23.72	24.1
15	QPSK	1	74	23.55	23.67	23.73	
15	QPSK	36	0	22.67	22.72	23.02	24
15	QPSK	36	20	22.73	22.80	23.02	
15	QPSK	36	39	22.72	22.76	23.04	
15	QPSK	75	0	22.69	22.75	23.02	24
15	16QAM	1	0	22.97	22.92	23.20	
15	16QAM	1	37	22.92	22.96	23.14	
15	16QAM	1	74	22.92	23.02	23.24	23
15	16QAM	36	0	21.62	21.72	22.02	
15	16QAM	36	20	21.78	21.77	22.00	
15	16QAM	36	39	21.78	21.77	22.09	23
15	16QAM	75	0	21.71	21.74	22.00	
15	64QAM	1	0	21.77	21.92	21.89	
15	64QAM	1	37	21.79	22.06	22.13	23
15	64QAM	1	74	21.78	21.90	22.27	
15	64QAM	36	0	20.68	20.68	20.90	
15	64QAM	36	20	20.76	20.82	21.03	22
15	64QAM	36	39	20.75	20.75	21.05	
15	64QAM	75	0	20.81	20.74	20.99	
15	256QAM	1	0	19.34	19.28	19.48	20
15	256QAM	1	37	19.21	19.18	19.40	
15	256QAM	1	74	19.21	19.25	19.26	
15	256QAM	36	0	19.27	19.13	19.34	20
15	256QAM	36	20	19.32	19.04	19.37	



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15	256QAM	36	39	19.22	19.23	19.22	Tune-up limit (dBm)
15	256QAM	75	0	19.22	19.19	19.33	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	23.67	23.65	23.78	24.1
10	QPSK	1	25	23.69	23.66	23.74	
10	QPSK	1	49	23.60	23.63	23.80	
10	QPSK	25	0	22.65	22.68	22.94	24
10	QPSK	25	12	22.79	22.83	22.98	
10	QPSK	25	25	22.73	22.81	23.06	
10	QPSK	50	0	22.76	22.76	22.96	
10	16QAM	1	0	22.95	22.98	23.20	24
10	16QAM	1	25	22.97	22.96	23.19	
10	16QAM	1	49	22.89	22.99	23.29	
10	16QAM	25	0	21.64	21.69	21.94	23
10	16QAM	25	12	21.71	21.74	22.05	
10	16QAM	25	25	21.70	21.72	22.13	
10	16QAM	50	0	21.69	21.72	22.00	
10	64QAM	1	0	21.79	21.85	21.95	23
10	64QAM	1	25	21.78	21.98	22.12	
10	64QAM	1	49	21.70	21.95	22.19	
10	64QAM	25	0	20.70	20.68	20.90	22
10	64QAM	25	12	20.80	20.79	20.96	
10	64QAM	25	25	20.76	20.73	21.06	
10	64QAM	50	0	20.80	20.80	21.00	
10	256QAM	1	0	19.32	19.25	19.39	20
10	256QAM	1	25	19.25	19.25	19.39	
10	256QAM	1	49	19.22	19.26	19.21	
10	256QAM	25	0	19.31	19.16	19.29	20
10	256QAM	25	12	19.26	19.02	19.38	
10	256QAM	25	25	19.21	19.15	19.26	
10	256QAM	50	0	19.23	19.18	19.34	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	23.63	23.65	23.84	24.1
5	QPSK	1	12	23.61	23.65	23.79	
5	QPSK	1	24	23.55	23.70	23.80	
5	QPSK	12	0	22.71	22.66	22.99	24
5	QPSK	12	7	22.77	22.78	22.98	
5	QPSK	12	13	22.75	22.76	23.09	
5	QPSK	25	0	22.74	22.75	23.03	
5	16QAM	1	0	22.90	22.99	23.18	24
5	16QAM	1	12	23.00	22.94	23.19	
5	16QAM	1	24	22.96	23.00	23.22	
5	16QAM	12	0	21.65	21.71	21.98	23
5	16QAM	12	7	21.73	21.81	22.01	
5	16QAM	12	13	21.77	21.71	22.07	
5	16QAM	25	0	21.73	21.79	21.99	
5	64QAM	1	0	21.82	21.91	21.95	23
5	64QAM	1	12	21.82	21.99	22.18	
5	64QAM	1	24	21.78	21.91	22.18	
5	64QAM	12	0	20.64	20.67	20.88	22
5	64QAM	12	7	20.72	20.82	20.98	
5	64QAM	12	13	20.75	20.79	21.04	
5	64QAM	25	0	20.72	20.79	20.93	
5	256QAM	1	0	19.34	19.28	19.39	20
5	256QAM	1	12	19.22	19.24	19.40	
5	256QAM	1	24	19.20	19.25	19.27	
5	256QAM	12	0	19.27	19.11	19.28	20
5	256QAM	12	7	19.33	19.09	19.40	
5	256QAM	12	13	19.19	19.21	19.24	
5	256QAM	25	0	19.23	19.20	19.29	
Channel				18615	18900	19185	



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Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	23.69	23.69	23.80	24.1
3	QPSK	1	8	23.66	23.64	23.79	
3	QPSK	1	14	23.56	23.64	23.74	
3	QPSK	8	0	22.70	22.74	23.03	24
3	QPSK	8	4	22.73	22.74	22.95	
3	QPSK	8	7	22.71	22.74	23.06	
3	QPSK	15	0	22.70	22.81	22.96	
3	16QAM	1	0	22.98	22.93	23.20	24
3	16QAM	1	8	22.95	22.98	23.14	
3	16QAM	1	14	22.91	22.98	23.28	
3	16QAM	8	0	21.68	21.73	21.95	23
3	16QAM	8	4	21.78	21.78	22.01	
3	16QAM	8	7	21.71	21.75	22.08	
3	16QAM	15	0	21.70	21.78	21.96	
3	64QAM	1	0	21.78	21.85	21.92	23
3	64QAM	1	8	21.78	22.00	22.12	
3	64QAM	1	14	21.75	21.87	22.20	
3	64QAM	8	0	20.64	20.66	20.89	22
3	64QAM	8	4	20.75	20.84	21.04	
3	64QAM	8	7	20.69	20.70	21.08	
3	64QAM	15	0	20.75	20.77	20.99	
3	256QAM	1	0	19.29	19.26	19.42	20
3	256QAM	1	8	19.15	19.25	19.41	
3	256QAM	1	14	19.24	19.27	19.25	
3	256QAM	8	0	19.27	19.15	19.35	20
3	256QAM	8	4	19.24	19.06	19.34	
3	256QAM	8	7	19.19	19.20	19.27	
3	256QAM	15	0	19.24	19.25	19.31	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	23.71	23.71	23.82	24.1
1.4	QPSK	1	3	23.61	23.71	23.72	
1.4	QPSK	1	5	23.57	23.68	23.76	
1.4	QPSK	3	0	23.62	23.68	23.81	
1.4	QPSK	3	1	23.64	23.66	23.79	
1.4	QPSK	3	3	23.53	23.66	23.74	
1.4	QPSK	6	0	22.78	22.79	23.04	24
1.4	16QAM	1	0	22.95	23.00	23.16	24
1.4	16QAM	1	3	23.01	22.90	23.15	
1.4	16QAM	1	5	22.93	23.04	23.26	
1.4	16QAM	3	0	22.98	23.00	23.17	
1.4	16QAM	3	1	22.97	22.96	23.17	
1.4	16QAM	3	3	22.89	23.03	23.26	
1.4	16QAM	6	0	21.78	21.78	21.93	23
1.4	64QAM	1	0	21.85	21.86	21.88	23
1.4	64QAM	1	3	21.85	22.00	22.13	
1.4	64QAM	1	5	21.72	21.90	22.25	
1.4	64QAM	3	0	21.77	21.83	21.92	
1.4	64QAM	3	1	21.85	22.05	22.18	
1.4	64QAM	3	3	21.77	21.87	22.25	
1.4	64QAM	6	0	20.75	20.76	20.92	22
1.4	256QAM	1	0	19.31	19.25	19.39	20
1.4	256QAM	1	3	19.17	19.17	19.44	
1.4	256QAM	1	5	19.19	19.22	19.20	
1.4	256QAM	3	0	19.34	19.22	19.41	
1.4	256QAM	3	1	19.21	19.23	19.47	
1.4	256QAM	3	3	19.25	19.28	19.23	
1.4	256QAM	6	0	19.23	19.17	19.28	20



<LTE Band 2_Ant 1_WiFi pff_DSI 1>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	23.72	23.73	23.86	
20	QPSK	1	49	23.70	23.73	23.79	25
20	QPSK	1	99	23.62	23.70	23.80	
20	QPSK	50	0	22.74	22.74	23.15	
20	QPSK	50	24	22.81	22.83	23.05	24
20	QPSK	50	50	22.77	22.84	23.14	
20	QPSK	100	0	22.78	22.83	23.06	
20	16QAM	1	0	22.98	23.00	23.21	24
20	16QAM	1	49	23.02	23.00	23.24	
20	16QAM	1	99	22.98	23.07	23.31	
20	16QAM	50	0	21.72	21.74	22.02	23
20	16QAM	50	24	21.79	21.84	22.07	
20	16QAM	50	50	21.78	21.81	22.17	
20	16QAM	100	0	21.79	21.81	22.03	23
20	64QAM	1	0	21.87	21.93	21.98	
20	64QAM	1	49	21.86	22.06	22.22	
20	64QAM	1	99	21.78	21.95	22.28	22
20	64QAM	50	0	20.72	20.75	20.98	
20	64QAM	50	24	20.80	20.84	21.04	
20	64QAM	50	50	20.77	20.79	21.11	20
20	64QAM	100	0	20.81	20.81	21.02	
20	256QAM	1	0	19.39	19.30	19.48	
20	256QAM	1	49	19.25	19.27	19.48	20
20	256QAM	1	99	19.27	19.29	19.28	
20	256QAM	50	0	19.31	19.17	19.35	
20	256QAM	50	24	19.33	19.12	19.41	20
20	256QAM	50	50	19.22	19.24	19.28	
20	256QAM	100	0	19.30	19.26	19.38	
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	23.70	23.66	23.85	
15	QPSK	1	37	23.62	23.73	23.72	25
15	QPSK	1	74	23.55	23.67	23.73	
15	QPSK	36	0	22.67	22.72	23.02	24
15	QPSK	36	20	22.73	22.80	23.02	
15	QPSK	36	39	22.72	22.76	23.04	
15	QPSK	75	0	22.69	22.75	23.02	24
15	16QAM	1	0	22.97	22.92	23.20	
15	16QAM	1	37	22.92	22.96	23.14	
15	16QAM	1	74	22.92	23.02	23.24	23
15	16QAM	36	0	21.62	21.72	22.02	
15	16QAM	36	20	21.78	21.77	22.00	
15	16QAM	36	39	21.78	21.77	22.09	23
15	16QAM	75	0	21.71	21.74	22.00	
15	64QAM	1	0	21.77	21.92	21.89	
15	64QAM	1	37	21.79	22.06	22.13	23
15	64QAM	1	74	21.78	21.90	22.27	
15	64QAM	36	0	20.68	20.68	20.90	
15	64QAM	36	20	20.76	20.82	21.03	22
15	64QAM	36	39	20.75	20.75	21.05	
15	64QAM	75	0	20.81	20.74	20.99	
15	256QAM	1	0	19.34	19.28	19.48	20
15	256QAM	1	37	19.21	19.18	19.40	
15	256QAM	1	74	19.21	19.25	19.26	
15	256QAM	36	0	19.27	19.13	19.34	20
15	256QAM	36	20	19.32	19.04	19.37	



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15	256QAM	36	39	19.22	19.23	19.22	Tune-up limit (dBm)
15	256QAM	75	0	19.22	19.19	19.33	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	23.67	23.65	23.78	25
10	QPSK	1	25	23.69	23.66	23.74	
10	QPSK	1	49	23.60	23.63	23.80	
10	QPSK	25	0	22.65	22.68	22.94	24
10	QPSK	25	12	22.79	22.83	22.98	
10	QPSK	25	25	22.73	22.81	23.06	
10	QPSK	50	0	22.76	22.76	22.96	
10	16QAM	1	0	22.95	22.98	23.20	24
10	16QAM	1	25	22.97	22.96	23.19	
10	16QAM	1	49	22.89	22.99	23.29	
10	16QAM	25	0	21.64	21.69	21.94	23
10	16QAM	25	12	21.71	21.74	22.05	
10	16QAM	25	25	21.70	21.72	22.13	
10	16QAM	50	0	21.69	21.72	22.00	
10	64QAM	1	0	21.79	21.85	21.95	23
10	64QAM	1	25	21.78	21.98	22.12	
10	64QAM	1	49	21.70	21.95	22.19	
10	64QAM	25	0	20.70	20.68	20.90	22
10	64QAM	25	12	20.80	20.79	20.96	
10	64QAM	25	25	20.76	20.73	21.06	
10	64QAM	50	0	20.80	20.80	21.00	
10	256QAM	1	0	19.32	19.25	19.39	20
10	256QAM	1	25	19.25	19.25	19.39	
10	256QAM	1	49	19.22	19.26	19.21	
10	256QAM	25	0	19.31	19.16	19.29	20
10	256QAM	25	12	19.26	19.02	19.38	
10	256QAM	25	25	19.21	19.15	19.26	
10	256QAM	50	0	19.23	19.18	19.34	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	23.63	23.65	23.84	25
5	QPSK	1	12	23.61	23.65	23.79	
5	QPSK	1	24	23.55	23.70	23.80	
5	QPSK	12	0	22.71	22.66	22.99	24
5	QPSK	12	7	22.77	22.78	22.98	
5	QPSK	12	13	22.75	22.76	23.09	
5	QPSK	25	0	22.74	22.75	23.03	
5	16QAM	1	0	22.90	22.99	23.18	24
5	16QAM	1	12	23.00	22.94	23.19	
5	16QAM	1	24	22.96	23.00	23.22	
5	16QAM	12	0	21.65	21.71	21.98	23
5	16QAM	12	7	21.73	21.81	22.01	
5	16QAM	12	13	21.77	21.71	22.07	
5	16QAM	25	0	21.73	21.79	21.99	
5	64QAM	1	0	21.82	21.91	21.95	23
5	64QAM	1	12	21.82	21.99	22.18	
5	64QAM	1	24	21.78	21.91	22.18	
5	64QAM	12	0	20.64	20.67	20.88	22
5	64QAM	12	7	20.72	20.82	20.98	
5	64QAM	12	13	20.75	20.79	21.04	
5	64QAM	25	0	20.72	20.79	20.93	
5	256QAM	1	0	19.34	19.28	19.39	20
5	256QAM	1	12	19.22	19.24	19.40	
5	256QAM	1	24	19.20	19.25	19.27	
5	256QAM	12	0	19.27	19.11	19.28	20
5	256QAM	12	7	19.33	19.09	19.40	
5	256QAM	12	13	19.19	19.21	19.24	
5	256QAM	25	0	19.23	19.20	19.29	
Channel				18615	18900	19185	



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Frequency (MHz)				1851.5	1880	1908.5	25
3	QPSK	1	0	23.69	23.69	23.80	
3	QPSK	1	8	23.66	23.64	23.79	
3	QPSK	1	14	23.56	23.64	23.74	
3	QPSK	8	0	22.70	22.74	23.03	24
3	QPSK	8	4	22.73	22.74	22.95	
3	QPSK	8	7	22.71	22.74	23.06	
3	QPSK	15	0	22.70	22.81	22.96	
3	16QAM	1	0	22.98	22.93	23.20	24
3	16QAM	1	8	22.95	22.98	23.14	
3	16QAM	1	14	22.91	22.98	23.28	
3	16QAM	8	0	21.68	21.73	21.95	
3	16QAM	8	4	21.78	21.78	22.01	23
3	16QAM	8	7	21.71	21.75	22.08	
3	16QAM	15	0	21.70	21.78	21.96	
3	64QAM	1	0	21.78	21.85	21.92	
3	64QAM	1	8	21.78	22.00	22.12	23
3	64QAM	1	14	21.75	21.87	22.20	
3	64QAM	8	0	20.64	20.66	20.89	
3	64QAM	8	4	20.75	20.84	21.04	
3	64QAM	8	7	20.69	20.70	21.08	22
3	64QAM	15	0	20.75	20.77	20.99	
3	256QAM	1	0	19.29	19.26	19.42	
3	256QAM	1	8	19.15	19.25	19.41	
3	256QAM	1	14	19.24	19.27	19.25	20
3	256QAM	8	0	19.27	19.15	19.35	
3	256QAM	8	4	19.24	19.06	19.34	
3	256QAM	8	7	19.19	19.20	19.27	
3	256QAM	15	0	19.24	19.25	19.31	20
Channel				18607	18900	19193	
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	23.71	23.71	23.82	25
1.4	QPSK	1	3	23.61	23.71	23.72	
1.4	QPSK	1	5	23.57	23.68	23.76	
1.4	QPSK	3	0	23.62	23.68	23.81	
1.4	QPSK	3	1	23.64	23.66	23.79	24
1.4	QPSK	3	3	23.53	23.66	23.74	
1.4	QPSK	6	0	22.78	22.79	23.04	
1.4	16QAM	1	0	22.95	23.00	23.16	
1.4	16QAM	1	3	23.01	22.90	23.15	24
1.4	16QAM	1	5	22.93	23.04	23.26	
1.4	16QAM	3	0	22.98	23.00	23.17	
1.4	16QAM	3	1	22.97	22.96	23.17	
1.4	16QAM	3	3	22.89	23.03	23.26	23
1.4	16QAM	6	0	21.78	21.78	21.93	
1.4	64QAM	1	0	21.85	21.86	21.88	
1.4	64QAM	1	3	21.85	22.00	22.13	
1.4	64QAM	1	5	21.72	21.90	22.25	23
1.4	64QAM	3	0	21.77	21.83	21.92	
1.4	64QAM	3	1	21.85	22.05	22.18	
1.4	64QAM	3	3	21.77	21.87	22.25	
1.4	64QAM	6	0	20.75	20.76	20.92	22
1.4	256QAM	1	0	19.31	19.25	19.39	20
1.4	256QAM	1	3	19.17	19.17	19.44	
1.4	256QAM	1	5	19.19	19.22	19.20	
1.4	256QAM	3	0	19.34	19.22	19.41	
1.4	256QAM	3	1	19.21	19.23	19.47	20
1.4	256QAM	3	3	19.25	19.28	19.23	
1.4	256QAM	6	0	19.23	19.17	19.28	



<LTE Band 4_Ant 1_DSI 0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	23.62	23.71	23.83	25
20	QPSK	1	49	23.61	23.69	23.79	
20	QPSK	1	99	23.59	23.70	23.81	
20	QPSK	50	0	22.76	22.75	22.87	24
20	QPSK	50	24	22.73	22.71	22.86	
20	QPSK	50	50	22.71	22.69	22.83	
20	QPSK	100	0	22.71	22.79	22.94	24
20	16QAM	1	0	22.89	23.08	23.18	
20	16QAM	1	49	22.92	22.98	23.10	
20	16QAM	1	99	23.06	23.10	23.19	23
20	16QAM	50	0	21.67	21.73	21.90	
20	16QAM	50	24	21.76	21.84	21.95	
20	16QAM	50	50	21.71	21.77	21.91	23
20	16QAM	100	0	21.71	21.78	21.95	
20	64QAM	1	0	21.73	21.92	22.07	
20	64QAM	1	49	21.85	21.94	22.09	22
20	64QAM	1	99	21.89	22.03	22.11	
20	64QAM	50	0	20.65	20.73	20.87	
20	64QAM	50	24	20.70	20.84	20.95	20
20	64QAM	50	50	20.72	20.78	20.91	
20	64QAM	100	0	20.74	20.78	20.92	
20	256QAM	1	0	19.07	19.21	19.15	20
20	256QAM	1	49	19.20	19.18	19.21	
20	256QAM	1	99	19.04	19.09	19.11	
20	256QAM	50	0	19.16	19.05	19.19	20
20	256QAM	50	24	19.12	19.02	19.06	
20	256QAM	50	50	19.09	19.15	19.02	
20	256QAM	100	0	19.05	19.07	19.07	25
Channel				20025	20175	20325	
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	23.52	23.71	23.73	25
15	QPSK	1	37	23.61	23.63	23.78	
15	QPSK	1	74	23.53	23.66	23.74	
15	QPSK	36	0	22.73	22.69	22.87	24
15	QPSK	36	20	22.72	22.67	22.76	
15	QPSK	36	39	22.68	22.69	22.74	
15	QPSK	75	0	22.70	22.73	22.90	24
15	16QAM	1	0	22.83	23.02	23.14	
15	16QAM	1	37	22.86	22.97	23.09	
15	16QAM	1	74	22.96	23.03	23.13	23
15	16QAM	36	0	21.65	21.70	21.84	
15	16QAM	36	20	21.76	21.78	21.89	
15	16QAM	36	39	21.68	21.69	21.89	23
15	16QAM	75	0	21.64	21.76	21.90	
15	64QAM	1	0	21.67	21.83	21.99	
15	64QAM	1	37	21.75	21.92	22.09	22
15	64QAM	1	74	21.80	21.97	22.10	
15	64QAM	36	0	20.59	20.65	20.86	
15	64QAM	36	20	20.67	20.75	20.86	20
15	64QAM	36	39	20.63	20.77	20.84	
15	64QAM	75	0	20.74	20.74	20.92	
15	256QAM	1	0	19.01	19.18	19.06	20
15	256QAM	1	37	19.19	19.12	19.16	
15	256QAM	1	74	18.97	19.03	19.07	
15	256QAM	36	0	19.16	19.01	19.17	20
15	256QAM	36	20	19.08	18.97	18.98	



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15	256QAM	36	39	19.07	19.14	18.98	Tune-up limit (dBm)
15	256QAM	75	0	18.96	19.00	19.07	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	23.62	23.64	23.81	25
10	QPSK	1	25	23.52	23.64	23.70	
10	QPSK	1	49	23.56	23.60	23.74	
10	QPSK	25	0	22.76	22.65	22.78	24
10	QPSK	25	12	22.66	22.61	22.84	
10	QPSK	25	25	22.71	22.69	22.75	
10	QPSK	50	0	22.66	22.76	22.89	
10	16QAM	1	0	22.82	23.05	23.13	24
10	16QAM	1	25	22.86	22.92	23.10	
10	16QAM	1	49	23.03	23.02	23.19	
10	16QAM	25	0	21.63	21.70	21.88	23
10	16QAM	25	12	21.66	21.76	21.92	
10	16QAM	25	25	21.67	21.76	21.81	
10	16QAM	50	0	21.62	21.74	21.93	
10	64QAM	1	0	21.69	21.83	22.02	23
10	64QAM	1	25	21.79	21.87	22.07	
10	64QAM	1	49	21.81	22.00	22.01	
10	64QAM	25	0	20.55	20.63	20.86	22
10	64QAM	25	12	20.66	20.74	20.87	
10	64QAM	25	25	20.65	20.77	20.83	
10	64QAM	50	0	20.66	20.68	20.83	
10	256QAM	1	0	18.97	19.12	19.11	20
10	256QAM	1	25	19.11	19.16	19.12	
10	256QAM	1	49	18.94	19.04	19.11	
10	256QAM	25	0	19.15	18.99	19.10	20
10	256QAM	25	12	19.09	19.02	19.00	
10	256QAM	25	25	19.00	19.06	18.96	
10	256QAM	50	0	19.02	19.02	19.07	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	23.61	23.69	23.80	25
5	QPSK	1	12	23.53	23.69	23.73	
5	QPSK	1	24	23.57	23.61	23.77	
5	QPSK	12	0	22.66	22.67	22.82	24
5	QPSK	12	7	22.65	22.64	22.86	
5	QPSK	12	13	22.70	22.65	22.75	
5	QPSK	25	0	22.70	22.76	22.93	
5	16QAM	1	0	22.87	23.02	23.12	24
5	16QAM	1	12	22.83	22.98	23.08	
5	16QAM	1	24	23.03	23.08	23.14	
5	16QAM	12	0	21.63	21.72	21.89	23
5	16QAM	12	7	21.76	21.74	21.87	
5	16QAM	12	13	21.64	21.71	21.85	
5	16QAM	25	0	21.71	21.78	21.94	
5	64QAM	1	0	21.68	21.88	22.02	23
5	64QAM	1	12	21.82	21.91	22.04	
5	64QAM	1	24	21.89	21.99	22.08	
5	64QAM	12	0	20.60	20.72	20.86	22
5	64QAM	12	7	20.66	20.81	20.85	
5	64QAM	12	13	20.63	20.72	20.88	
5	64QAM	25	0	20.65	20.70	20.82	
5	256QAM	1	0	18.98	19.12	19.05	20
5	256QAM	1	12	19.15	19.08	19.12	
5	256QAM	1	24	18.96	19.05	19.08	
5	256QAM	12	0	19.13	18.98	19.19	20
5	256QAM	12	7	19.09	18.92	18.96	
5	256QAM	12	13	19.03	19.14	18.99	
5	256QAM	25	0	19.04	19.02	19.04	
Channel				19965	20175	20385	



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Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	23.60	23.63	23.74	25
3	QPSK	1	8	23.61	23.59	23.77	
3	QPSK	1	14	23.56	23.67	23.72	
3	QPSK	8	0	22.72	22.72	22.79	24
3	QPSK	8	4	22.68	22.67	22.80	
3	QPSK	8	7	22.64	22.61	22.74	
3	QPSK	15	0	22.62	22.72	22.87	
3	16QAM	1	0	22.89	23.07	23.10	24
3	16QAM	1	8	22.88	22.94	23.04	
3	16QAM	1	14	23.05	23.04	23.16	
3	16QAM	8	0	21.63	21.63	21.84	23
3	16QAM	8	4	21.74	21.77	21.86	
3	16QAM	8	7	21.65	21.74	21.86	
3	16QAM	15	0	21.71	21.76	21.85	
3	64QAM	1	0	21.67	21.83	22.03	23
3	64QAM	1	8	21.77	21.94	22.01	
3	64QAM	1	14	21.87	21.98	22.10	
3	64QAM	8	0	20.60	20.73	20.85	22
3	64QAM	8	4	20.64	20.76	20.94	
3	64QAM	8	7	20.67	20.72	20.86	
3	64QAM	15	0	20.72	20.73	20.84	
3	256QAM	1	0	18.97	19.14	19.09	20
3	256QAM	1	8	19.14	19.14	19.16	
3	256QAM	1	14	19.00	18.99	19.10	
3	256QAM	8	0	19.13	19.03	19.12	20
3	256QAM	8	4	19.06	18.99	19.01	
3	256QAM	8	7	19.03	19.07	19.02	
3	256QAM	15	0	19.02	18.98	19.03	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	23.62	23.66	23.77	25
1.4	QPSK	1	3	23.52	23.61	23.75	
1.4	QPSK	1	5	23.58	23.65	23.75	
1.4	QPSK	3	0	23.62	23.62	23.78	
1.4	QPSK	3	1	23.58	23.67	23.79	
1.4	QPSK	3	3	23.54	23.64	23.75	
1.4	QPSK	6	0	22.66	22.76	22.92	24
1.4	16QAM	1	0	22.88	23.08	23.09	24
1.4	16QAM	1	3	22.84	22.92	23.00	
1.4	16QAM	1	5	22.98	23.09	23.18	
1.4	16QAM	3	0	22.82	23.06	23.18	
1.4	16QAM	3	1	22.85	22.97	23.09	
1.4	16QAM	3	3	22.98	23.04	23.19	
1.4	16QAM	6	0	21.64	21.71	21.92	23
1.4	64QAM	1	0	21.68	21.84	21.98	23
1.4	64QAM	1	3	21.82	21.86	22.08	
1.4	64QAM	1	5	21.81	21.97	22.07	
1.4	64QAM	3	0	21.63	21.85	22.01	
1.4	64QAM	3	1	21.81	21.90	22.01	
1.4	64QAM	3	3	21.86	22.00	22.09	
1.4	64QAM	6	0	20.65	20.69	20.82	22
1.4	256QAM	1	0	19.07	19.21	19.06	20
1.4	256QAM	1	3	19.19	19.13	19.13	
1.4	256QAM	1	5	19.03	19.02	19.08	
1.4	256QAM	3	0	19.03	19.11	19.15	
1.4	256QAM	3	1	19.11	19.10	19.19	
1.4	256QAM	3	3	18.96	19.05	19.04	
1.4	256QAM	6	0	18.98	19.04	18.98	20



<LTE Band 4_Ant 1_DSI 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	23.62	23.71	23.83	24.6
20	QPSK	1	49	23.61	23.69	23.79	
20	QPSK	1	99	23.59	23.70	23.81	
20	QPSK	50	0	22.76	22.75	22.87	24
20	QPSK	50	24	22.73	22.71	22.86	
20	QPSK	50	50	22.71	22.69	22.83	
20	QPSK	100	0	22.71	22.79	22.94	24
20	16QAM	1	0	22.89	23.08	23.18	
20	16QAM	1	49	22.92	22.98	23.10	
20	16QAM	1	99	23.06	23.10	23.19	23
20	16QAM	50	0	21.67	21.73	21.90	
20	16QAM	50	24	21.76	21.84	21.95	
20	16QAM	50	50	21.71	21.77	21.91	23
20	16QAM	100	0	21.71	21.78	21.95	
20	64QAM	1	0	21.73	21.92	22.07	
20	64QAM	1	49	21.85	21.94	22.09	22
20	64QAM	1	99	21.89	22.03	22.11	
20	64QAM	50	0	20.65	20.73	20.87	
20	64QAM	50	24	20.70	20.84	20.95	20
20	64QAM	50	50	20.72	20.78	20.91	
20	64QAM	100	0	20.74	20.78	20.92	
20	256QAM	1	0	19.07	19.21	19.15	20
20	256QAM	1	49	19.20	19.18	19.21	
20	256QAM	1	99	19.04	19.09	19.11	
20	256QAM	50	0	19.16	19.05	19.19	20
20	256QAM	50	24	19.12	19.02	19.06	
20	256QAM	50	50	19.09	19.15	19.02	
20	256QAM	100	0	19.05	19.07	19.07	24.6
Channel				20025	20175	20325	
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	23.52	23.71	23.73	24.6
15	QPSK	1	37	23.61	23.63	23.78	
15	QPSK	1	74	23.53	23.66	23.74	
15	QPSK	36	0	22.73	22.69	22.87	24
15	QPSK	36	20	22.72	22.67	22.76	
15	QPSK	36	39	22.68	22.69	22.74	
15	QPSK	75	0	22.70	22.73	22.90	24
15	16QAM	1	0	22.83	23.02	23.14	
15	16QAM	1	37	22.86	22.97	23.09	
15	16QAM	1	74	22.96	23.03	23.13	23
15	16QAM	36	0	21.65	21.70	21.84	
15	16QAM	36	20	21.76	21.78	21.89	
15	16QAM	36	39	21.68	21.69	21.89	23
15	16QAM	75	0	21.64	21.76	21.90	
15	64QAM	1	0	21.67	21.83	21.99	
15	64QAM	1	37	21.75	21.92	22.09	22
15	64QAM	1	74	21.80	21.97	22.10	
15	64QAM	36	0	20.59	20.65	20.86	
15	64QAM	36	20	20.67	20.75	20.86	20
15	64QAM	36	39	20.63	20.77	20.84	
15	64QAM	75	0	20.74	20.74	20.92	
15	256QAM	1	0	19.01	19.18	19.06	20
15	256QAM	1	37	19.19	19.12	19.16	
15	256QAM	1	74	18.97	19.03	19.07	
15	256QAM	36	0	19.16	19.01	19.17	20
15	256QAM	36	20	19.08	18.97	18.98	



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15	256QAM	36	39	19.07	19.14	18.98	Tune-up limit (dBm)
15	256QAM	75	0	18.96	19.00	19.07	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	23.62	23.64	23.81	24.6
10	QPSK	1	25	23.52	23.64	23.70	
10	QPSK	1	49	23.56	23.60	23.74	
10	QPSK	25	0	22.76	22.65	22.78	24
10	QPSK	25	12	22.66	22.61	22.84	
10	QPSK	25	25	22.71	22.69	22.75	
10	QPSK	50	0	22.66	22.76	22.89	
10	16QAM	1	0	22.82	23.05	23.13	24
10	16QAM	1	25	22.86	22.92	23.10	
10	16QAM	1	49	23.03	23.02	23.19	
10	16QAM	25	0	21.63	21.70	21.88	23
10	16QAM	25	12	21.66	21.76	21.92	
10	16QAM	25	25	21.67	21.76	21.81	
10	16QAM	50	0	21.62	21.74	21.93	
10	64QAM	1	0	21.69	21.83	22.02	23
10	64QAM	1	25	21.79	21.87	22.07	
10	64QAM	1	49	21.81	22.00	22.01	
10	64QAM	25	0	20.55	20.63	20.86	22
10	64QAM	25	12	20.66	20.74	20.87	
10	64QAM	25	25	20.65	20.77	20.83	
10	64QAM	50	0	20.66	20.68	20.83	
10	256QAM	1	0	18.97	19.12	19.11	20
10	256QAM	1	25	19.11	19.16	19.12	
10	256QAM	1	49	18.94	19.04	19.11	
10	256QAM	25	0	19.15	18.99	19.10	20
10	256QAM	25	12	19.09	19.02	19.00	
10	256QAM	25	25	19.00	19.06	18.96	
10	256QAM	50	0	19.02	19.02	19.07	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	23.61	23.69	23.80	24.6
5	QPSK	1	12	23.53	23.69	23.73	
5	QPSK	1	24	23.57	23.61	23.77	
5	QPSK	12	0	22.66	22.67	22.82	24
5	QPSK	12	7	22.65	22.64	22.86	
5	QPSK	12	13	22.70	22.65	22.75	
5	QPSK	25	0	22.70	22.76	22.93	
5	16QAM	1	0	22.87	23.02	23.12	24
5	16QAM	1	12	22.83	22.98	23.08	
5	16QAM	1	24	23.03	23.08	23.14	
5	16QAM	12	0	21.63	21.72	21.89	23
5	16QAM	12	7	21.76	21.74	21.87	
5	16QAM	12	13	21.64	21.71	21.85	
5	16QAM	25	0	21.71	21.78	21.94	
5	64QAM	1	0	21.68	21.88	22.02	23
5	64QAM	1	12	21.82	21.91	22.04	
5	64QAM	1	24	21.89	21.99	22.08	
5	64QAM	12	0	20.60	20.72	20.86	22
5	64QAM	12	7	20.66	20.81	20.85	
5	64QAM	12	13	20.63	20.72	20.88	
5	64QAM	25	0	20.65	20.70	20.82	
5	256QAM	1	0	18.98	19.12	19.05	20
5	256QAM	1	12	19.15	19.08	19.12	
5	256QAM	1	24	18.96	19.05	19.08	
5	256QAM	12	0	19.13	18.98	19.19	20
5	256QAM	12	7	19.09	18.92	18.96	
5	256QAM	12	13	19.03	19.14	18.99	
5	256QAM	25	0	19.04	19.02	19.04	
Channel				19965	20175	20385	



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Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	23.60	23.63	23.74	24.6
3	QPSK	1	8	23.61	23.59	23.77	
3	QPSK	1	14	23.56	23.67	23.72	
3	QPSK	8	0	22.72	22.72	22.79	24
3	QPSK	8	4	22.68	22.67	22.80	
3	QPSK	8	7	22.64	22.61	22.74	
3	QPSK	15	0	22.62	22.72	22.87	
3	16QAM	1	0	22.89	23.07	23.10	24
3	16QAM	1	8	22.88	22.94	23.04	
3	16QAM	1	14	23.05	23.04	23.16	
3	16QAM	8	0	21.63	21.63	21.84	23
3	16QAM	8	4	21.74	21.77	21.86	
3	16QAM	8	7	21.65	21.74	21.86	
3	16QAM	15	0	21.71	21.76	21.85	
3	64QAM	1	0	21.67	21.83	22.03	23
3	64QAM	1	8	21.77	21.94	22.01	
3	64QAM	1	14	21.87	21.98	22.10	
3	64QAM	8	0	20.60	20.73	20.85	22
3	64QAM	8	4	20.64	20.76	20.94	
3	64QAM	8	7	20.67	20.72	20.86	
3	64QAM	15	0	20.72	20.73	20.84	
3	256QAM	1	0	18.97	19.14	19.09	20
3	256QAM	1	8	19.14	19.14	19.16	
3	256QAM	1	14	19.00	18.99	19.10	
3	256QAM	8	0	19.13	19.03	19.12	20
3	256QAM	8	4	19.06	18.99	19.01	
3	256QAM	8	7	19.03	19.07	19.02	
3	256QAM	15	0	19.02	18.98	19.03	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	23.62	23.66	23.77	24.6
1.4	QPSK	1	3	23.52	23.61	23.75	
1.4	QPSK	1	5	23.58	23.65	23.75	
1.4	QPSK	3	0	23.62	23.62	23.78	
1.4	QPSK	3	1	23.58	23.67	23.79	
1.4	QPSK	3	3	23.54	23.64	23.75	
1.4	QPSK	6	0	22.66	22.76	22.92	24
1.4	16QAM	1	0	22.88	23.08	23.09	24
1.4	16QAM	1	3	22.84	22.92	23.00	
1.4	16QAM	1	5	22.98	23.09	23.18	
1.4	16QAM	3	0	22.82	23.06	23.18	
1.4	16QAM	3	1	22.85	22.97	23.09	
1.4	16QAM	3	3	22.98	23.04	23.19	
1.4	16QAM	6	0	21.64	21.71	21.92	23
1.4	64QAM	1	0	21.68	21.84	21.98	23
1.4	64QAM	1	3	21.82	21.86	22.08	
1.4	64QAM	1	5	21.81	21.97	22.07	
1.4	64QAM	3	0	21.63	21.85	22.01	
1.4	64QAM	3	1	21.81	21.90	22.01	
1.4	64QAM	3	3	21.86	22.00	22.09	
1.4	64QAM	6	0	20.65	20.69	20.82	22
1.4	256QAM	1	0	19.07	19.21	19.06	20
1.4	256QAM	1	3	19.19	19.13	19.13	
1.4	256QAM	1	5	19.03	19.02	19.08	
1.4	256QAM	3	0	19.03	19.11	19.15	
1.4	256QAM	3	1	19.11	19.10	19.19	
1.4	256QAM	3	3	18.96	19.05	19.04	
1.4	256QAM	6	0	18.98	19.04	18.98	20



<LTE Band 4_Ant 1_WiFi off_DSI 1>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	23.62	23.71	23.83	25
20	QPSK	1	49	23.61	23.69	23.79	
20	QPSK	1	99	23.59	23.70	23.81	
20	QPSK	50	0	22.76	22.75	22.87	24
20	QPSK	50	24	22.73	22.71	22.86	
20	QPSK	50	50	22.71	22.69	22.83	
20	QPSK	100	0	22.71	22.79	22.94	24
20	16QAM	1	0	22.89	23.08	23.18	
20	16QAM	1	49	22.92	22.98	23.10	
20	16QAM	1	99	23.06	23.10	23.19	23
20	16QAM	50	0	21.67	21.73	21.90	
20	16QAM	50	24	21.76	21.84	21.95	
20	16QAM	50	50	21.71	21.77	21.91	23
20	16QAM	100	0	21.71	21.78	21.95	
20	64QAM	1	0	21.73	21.92	22.07	
20	64QAM	1	49	21.85	21.94	22.09	22
20	64QAM	1	99	21.89	22.03	22.11	
20	64QAM	50	0	20.65	20.73	20.87	
20	64QAM	50	24	20.70	20.84	20.95	20
20	64QAM	50	50	20.72	20.78	20.91	
20	64QAM	100	0	20.74	20.78	20.92	
20	256QAM	1	0	19.07	19.21	19.15	20
20	256QAM	1	49	19.20	19.18	19.21	
20	256QAM	1	99	19.04	19.09	19.11	
20	256QAM	50	0	19.16	19.05	19.19	20
20	256QAM	50	24	19.12	19.02	19.06	
20	256QAM	50	50	19.09	19.15	19.02	
20	256QAM	100	0	19.05	19.07	19.07	Tune-up limit (dBm)
Channel				20025	20175	20325	
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	23.52	23.71	23.73	25
15	QPSK	1	37	23.61	23.63	23.78	
15	QPSK	1	74	23.53	23.66	23.74	
15	QPSK	36	0	22.73	22.69	22.87	24
15	QPSK	36	20	22.72	22.67	22.76	
15	QPSK	36	39	22.68	22.69	22.74	
15	QPSK	75	0	22.70	22.73	22.90	24
15	16QAM	1	0	22.83	23.02	23.14	
15	16QAM	1	37	22.86	22.97	23.09	
15	16QAM	1	74	22.96	23.03	23.13	23
15	16QAM	36	0	21.65	21.70	21.84	
15	16QAM	36	20	21.76	21.78	21.89	
15	16QAM	36	39	21.68	21.69	21.89	23
15	16QAM	75	0	21.64	21.76	21.90	
15	64QAM	1	0	21.67	21.83	21.99	
15	64QAM	1	37	21.75	21.92	22.09	22
15	64QAM	1	74	21.80	21.97	22.10	
15	64QAM	36	0	20.59	20.65	20.86	
15	64QAM	36	20	20.67	20.75	20.86	20
15	64QAM	36	39	20.63	20.77	20.84	
15	64QAM	75	0	20.74	20.74	20.92	
15	256QAM	1	0	19.01	19.18	19.06	20
15	256QAM	1	37	19.19	19.12	19.16	
15	256QAM	1	74	18.97	19.03	19.07	
15	256QAM	36	0	19.16	19.01	19.17	20
15	256QAM	36	20	19.08	18.97	18.98	



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15	256QAM	36	39	19.07	19.14	18.98	Tune-up limit (dBm)
15	256QAM	75	0	18.96	19.00	19.07	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	23.62	23.64	23.81	25
10	QPSK	1	25	23.52	23.64	23.70	
10	QPSK	1	49	23.56	23.60	23.74	
10	QPSK	25	0	22.76	22.65	22.78	24
10	QPSK	25	12	22.66	22.61	22.84	
10	QPSK	25	25	22.71	22.69	22.75	
10	QPSK	50	0	22.66	22.76	22.89	
10	16QAM	1	0	22.82	23.05	23.13	24
10	16QAM	1	25	22.86	22.92	23.10	
10	16QAM	1	49	23.03	23.02	23.19	
10	16QAM	25	0	21.63	21.70	21.88	23
10	16QAM	25	12	21.66	21.76	21.92	
10	16QAM	25	25	21.67	21.76	21.81	
10	16QAM	50	0	21.62	21.74	21.93	
10	64QAM	1	0	21.69	21.83	22.02	23
10	64QAM	1	25	21.79	21.87	22.07	
10	64QAM	1	49	21.81	22.00	22.01	
10	64QAM	25	0	20.55	20.63	20.86	22
10	64QAM	25	12	20.66	20.74	20.87	
10	64QAM	25	25	20.65	20.77	20.83	
10	64QAM	50	0	20.66	20.68	20.83	
10	256QAM	1	0	18.97	19.12	19.11	20
10	256QAM	1	25	19.11	19.16	19.12	
10	256QAM	1	49	18.94	19.04	19.11	
10	256QAM	25	0	19.15	18.99	19.10	20
10	256QAM	25	12	19.09	19.02	19.00	
10	256QAM	25	25	19.00	19.06	18.96	
10	256QAM	50	0	19.02	19.02	19.07	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	23.61	23.69	23.80	25
5	QPSK	1	12	23.53	23.69	23.73	
5	QPSK	1	24	23.57	23.61	23.77	
5	QPSK	12	0	22.66	22.67	22.82	24
5	QPSK	12	7	22.65	22.64	22.86	
5	QPSK	12	13	22.70	22.65	22.75	
5	QPSK	25	0	22.70	22.76	22.93	
5	16QAM	1	0	22.87	23.02	23.12	24
5	16QAM	1	12	22.83	22.98	23.08	
5	16QAM	1	24	23.03	23.08	23.14	
5	16QAM	12	0	21.63	21.72	21.89	23
5	16QAM	12	7	21.76	21.74	21.87	
5	16QAM	12	13	21.64	21.71	21.85	
5	16QAM	25	0	21.71	21.78	21.94	
5	64QAM	1	0	21.68	21.88	22.02	23
5	64QAM	1	12	21.82	21.91	22.04	
5	64QAM	1	24	21.89	21.99	22.08	
5	64QAM	12	0	20.60	20.72	20.86	22
5	64QAM	12	7	20.66	20.81	20.85	
5	64QAM	12	13	20.63	20.72	20.88	
5	64QAM	25	0	20.65	20.70	20.82	
5	256QAM	1	0	18.98	19.12	19.05	20
5	256QAM	1	12	19.15	19.08	19.12	
5	256QAM	1	24	18.96	19.05	19.08	
5	256QAM	12	0	19.13	18.98	19.19	20
5	256QAM	12	7	19.09	18.92	18.96	
5	256QAM	12	13	19.03	19.14	18.99	
5	256QAM	25	0	19.04	19.02	19.04	
Channel				19965	20175	20385	



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Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	23.60	23.63	23.74	25
3	QPSK	1	8	23.61	23.59	23.77	
3	QPSK	1	14	23.56	23.67	23.72	
3	QPSK	8	0	22.72	22.72	22.79	24
3	QPSK	8	4	22.68	22.67	22.80	
3	QPSK	8	7	22.64	22.61	22.74	
3	QPSK	15	0	22.62	22.72	22.87	
3	16QAM	1	0	22.89	23.07	23.10	24
3	16QAM	1	8	22.88	22.94	23.04	
3	16QAM	1	14	23.05	23.04	23.16	
3	16QAM	8	0	21.63	21.63	21.84	23
3	16QAM	8	4	21.74	21.77	21.86	
3	16QAM	8	7	21.65	21.74	21.86	
3	16QAM	15	0	21.71	21.76	21.85	
3	64QAM	1	0	21.67	21.83	22.03	23
3	64QAM	1	8	21.77	21.94	22.01	
3	64QAM	1	14	21.87	21.98	22.10	
3	64QAM	8	0	20.60	20.73	20.85	22
3	64QAM	8	4	20.64	20.76	20.94	
3	64QAM	8	7	20.67	20.72	20.86	
3	64QAM	15	0	20.72	20.73	20.84	
3	256QAM	1	0	18.97	19.14	19.09	20
3	256QAM	1	8	19.14	19.14	19.16	
3	256QAM	1	14	19.00	18.99	19.10	
3	256QAM	8	0	19.13	19.03	19.12	20
3	256QAM	8	4	19.06	18.99	19.01	
3	256QAM	8	7	19.03	19.07	19.02	
3	256QAM	15	0	19.02	18.98	19.03	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	23.62	23.66	23.77	25
1.4	QPSK	1	3	23.52	23.61	23.75	
1.4	QPSK	1	5	23.58	23.65	23.75	
1.4	QPSK	3	0	23.62	23.62	23.78	
1.4	QPSK	3	1	23.58	23.67	23.79	
1.4	QPSK	3	3	23.54	23.64	23.75	
1.4	QPSK	6	0	22.66	22.76	22.92	24
1.4	16QAM	1	0	22.88	23.08	23.09	24
1.4	16QAM	1	3	22.84	22.92	23.00	
1.4	16QAM	1	5	22.98	23.09	23.18	
1.4	16QAM	3	0	22.82	23.06	23.18	
1.4	16QAM	3	1	22.85	22.97	23.09	
1.4	16QAM	3	3	22.98	23.04	23.19	
1.4	16QAM	6	0	21.64	21.71	21.92	23
1.4	64QAM	1	0	21.68	21.84	21.98	23
1.4	64QAM	1	3	21.82	21.86	22.08	
1.4	64QAM	1	5	21.81	21.97	22.07	
1.4	64QAM	3	0	21.63	21.85	22.01	
1.4	64QAM	3	1	21.81	21.90	22.01	
1.4	64QAM	3	3	21.86	22.00	22.09	
1.4	64QAM	6	0	20.65	20.69	20.82	22
1.4	256QAM	1	0	19.07	19.21	19.06	20
1.4	256QAM	1	3	19.19	19.13	19.13	
1.4	256QAM	1	5	19.03	19.02	19.08	
1.4	256QAM	3	0	19.03	19.11	19.15	
1.4	256QAM	3	1	19.11	19.10	19.19	
1.4	256QAM	3	3	18.96	19.05	19.04	
1.4	256QAM	6	0	18.98	19.04	18.98	20



<LTE Band 5_Ant 1_DSI 0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20450	20525	20600	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	24.13	23.98	24.20	24.5
10	QPSK	1	25	24.08	23.91	24.05	
10	QPSK	1	49	23.84	24.07	23.72	
10	QPSK	25	0	23.46	22.93	23.47	23.5
10	QPSK	25	12	23.23	23.03	23.31	
10	QPSK	25	25	23.04	23.28	23.19	
10	QPSK	50	0	23.35	23.11	23.45	23.5
10	16QAM	1	0	23.34	23.34	23.22	
10	16QAM	1	25	23.33	23.23	23.35	
10	16QAM	1	49	23.25	23.22	23.08	22.5
10	16QAM	25	0	22.20	21.99	22.33	
10	16QAM	25	12	22.33	22.09	22.24	
10	16QAM	25	25	22.15	22.29	22.35	22.5
10	16QAM	50	0	22.41	22.18	22.35	
10	64QAM	1	0	22.34	22.25	22.50	
10	64QAM	1	25	22.40	22.16	22.46	21.5
10	64QAM	1	49	22.11	22.29	21.92	
10	64QAM	25	0	21.35	20.98	21.36	
10	64QAM	25	12	21.35	21.05	21.35	19.5
10	64QAM	25	25	21.16	21.31	21.37	
10	64QAM	50	0	21.38	21.21	21.06	
10	256QAM	1	0	19.41	19.45	19.49	19.5
10	256QAM	1	25	19.43	19.42	19.42	
10	256QAM	1	49	19.40	19.39	19.46	
10	256QAM	25	0	19.43	19.47	19.43	19.5
10	256QAM	25	12	19.47	19.39	19.41	
10	256QAM	25	25	19.47	19.44	19.43	
10	256QAM	50	0	19.36	19.39	19.37	
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	24.05	23.95	24.16	24.5
5	QPSK	1	12	23.98	23.88	23.95	
5	QPSK	1	24	23.78	24.00	23.69	
5	QPSK	12	0	23.44	22.85	23.22	23.5
5	QPSK	12	7	23.17	22.94	23.21	
5	QPSK	12	13	22.98	23.26	23.11	
5	QPSK	25	0	23.28	23.08	23.42	23.5
5	16QAM	1	0	23.29	23.30	23.13	
5	16QAM	1	12	23.24	23.18	23.27	
5	16QAM	1	24	23.18	23.18	23.03	22.5
5	16QAM	12	0	22.16	21.99	22.24	
5	16QAM	12	7	22.23	22.03	22.20	
5	16QAM	12	13	22.08	22.28	22.29	22.5
5	16QAM	25	0	22.40	22.10	22.33	
5	64QAM	1	0	22.26	22.19	22.42	
5	64QAM	1	12	22.36	22.09	22.37	21.5
5	64QAM	1	24	22.07	22.29	21.90	
5	64QAM	12	0	21.26	20.98	21.35	
5	64QAM	12	7	21.34	21.03	21.26	19.5
5	64QAM	12	13	21.16	21.29	21.34	
5	64QAM	25	0	21.38	21.16	20.98	
5	256QAM	1	0	19.34	19.41	19.48	19.5
5	256QAM	1	12	19.43	19.41	19.40	
5	256QAM	1	24	19.32	19.34	19.37	
5	256QAM	12	0	19.35	19.47	19.37	19.5
5	256QAM	12	7	19.46	19.30	19.35	



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5	256QAM	12	13	19.37	19.40	19.35	Tune-up limit (dBm)
5	256QAM	25	0	19.28	19.29	19.31	
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	24.09	23.89	24.15	24.5
3	QPSK	1	8	24.06	23.90	23.98	
3	QPSK	1	14	23.80	24.04	23.72	
3	QPSK	8	0	23.44	22.91	23.24	23.5
3	QPSK	8	4	23.21	22.95	23.29	
3	QPSK	8	7	22.99	23.25	23.15	
3	QPSK	15	0	23.26	23.05	23.41	
3	16QAM	1	0	23.34	23.24	23.12	23.5
3	16QAM	1	8	23.31	23.22	23.31	
3	16QAM	1	14	23.20	23.19	23.03	
3	16QAM	8	0	22.15	21.97	22.28	22.5
3	16QAM	8	4	22.33	22.03	22.14	
3	16QAM	8	7	22.11	22.23	22.32	
3	16QAM	15	0	22.38	22.11	22.29	
3	64QAM	1	0	22.34	22.15	22.47	22.5
3	64QAM	1	8	22.37	22.11	22.37	
3	64QAM	1	14	22.09	22.21	21.86	
3	64QAM	8	0	21.26	20.88	21.30	21.5
3	64QAM	8	4	21.32	21.01	21.33	
3	64QAM	8	7	21.15	21.22	21.35	
3	64QAM	15	0	21.28	21.11	21.05	
3	256QAM	1	0	19.39	19.37	19.40	19.5
3	256QAM	1	8	19.42	19.34	19.38	
3	256QAM	1	14	19.33	19.31	19.43	
3	256QAM	8	0	19.37	19.38	19.39	19.5
3	256QAM	8	4	19.41	19.31	19.38	
3	256QAM	8	7	19.40	19.38	19.36	
3	256QAM	15	0	19.34	19.37	19.34	
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	24.07	23.98	24.10	24.5
1.4	QPSK	1	3	24.00	23.86	24.03	
1.4	QPSK	1	5	23.77	24.03	23.72	
1.4	QPSK	3	0	24.05	23.98	24.13	
1.4	QPSK	3	1	24.04	23.82	24.01	
1.4	QPSK	3	3	23.75	24.05	23.63	
1.4	QPSK	6	0	23.34	23.02	23.45	23.5
1.4	16QAM	1	0	23.26	23.28	23.21	23.5
1.4	16QAM	1	3	23.31	23.20	23.33	
1.4	16QAM	1	5	23.19	23.19	23.02	
1.4	16QAM	3	0	23.29	23.31	23.22	
1.4	16QAM	3	1	23.24	23.16	23.34	
1.4	16QAM	3	3	23.21	23.20	23.07	
1.4	16QAM	6	0	22.41	22.17	22.26	22.5
1.4	64QAM	1	0	22.31	22.20	22.44	22.5
1.4	64QAM	1	3	22.30	22.15	22.41	
1.4	64QAM	1	5	22.10	22.26	21.85	
1.4	64QAM	3	0	22.30	22.21	22.41	
1.4	64QAM	3	1	22.33	22.06	22.37	
1.4	64QAM	3	3	22.05	22.21	21.83	
1.4	64QAM	6	0	21.28	21.20	21.02	21.5
1.4	256QAM	1	0	19.34	19.35	19.40	19.5
1.4	256QAM	1	3	19.42	19.41	19.33	
1.4	256QAM	1	5	19.39	19.33	19.41	
1.4	256QAM	3	0	19.40	19.42	19.45	
1.4	256QAM	3	1	19.38	19.35	19.34	
1.4	256QAM	3	3	19.40	19.32	19.42	
1.4	256QAM	6	0	19.34	19.38	19.33	19.5



<LTE Band 5_Ant 1_DSI 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20450	20525	20600	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	24.13	23.98	24.20	24.5
10	QPSK	1	25	24.08	23.91	24.05	
10	QPSK	1	49	23.84	24.07	23.72	
10	QPSK	25	0	23.46	22.93	23.47	23.5
10	QPSK	25	12	23.23	23.03	23.31	
10	QPSK	25	25	23.04	23.28	23.19	
10	QPSK	50	0	23.35	23.11	23.45	23.5
10	16QAM	1	0	23.34	23.34	23.22	
10	16QAM	1	25	23.33	23.23	23.35	
10	16QAM	1	49	23.25	23.22	23.08	22.5
10	16QAM	25	0	22.20	21.99	22.33	
10	16QAM	25	12	22.33	22.09	22.24	
10	16QAM	25	25	22.15	22.29	22.35	22.5
10	16QAM	50	0	22.41	22.18	22.35	
10	64QAM	1	0	22.34	22.25	22.50	
10	64QAM	1	25	22.40	22.16	22.46	21.5
10	64QAM	1	49	22.11	22.29	21.92	
10	64QAM	25	0	21.35	20.98	21.36	
10	64QAM	25	12	21.35	21.05	21.35	19.5
10	64QAM	25	25	21.16	21.31	21.37	
10	64QAM	50	0	21.38	21.21	21.06	
10	256QAM	1	0	19.41	19.45	19.49	19.5
10	256QAM	1	25	19.43	19.42	19.42	
10	256QAM	1	49	19.40	19.39	19.46	
10	256QAM	25	0	19.43	19.47	19.43	19.5
10	256QAM	25	12	19.47	19.39	19.41	
10	256QAM	25	25	19.47	19.44	19.43	
10	256QAM	50	0	19.36	19.39	19.37	
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	24.05	23.95	24.16	24.5
5	QPSK	1	12	23.98	23.88	23.95	
5	QPSK	1	24	23.78	24.00	23.69	
5	QPSK	12	0	23.44	22.85	23.22	23.5
5	QPSK	12	7	23.17	22.94	23.21	
5	QPSK	12	13	22.98	23.26	23.11	
5	QPSK	25	0	23.28	23.08	23.42	23.5
5	16QAM	1	0	23.29	23.30	23.13	
5	16QAM	1	12	23.24	23.18	23.27	
5	16QAM	1	24	23.18	23.18	23.03	22.5
5	16QAM	12	0	22.16	21.99	22.24	
5	16QAM	12	7	22.23	22.03	22.20	
5	16QAM	12	13	22.08	22.28	22.29	22.5
5	16QAM	25	0	22.40	22.10	22.33	
5	64QAM	1	0	22.26	22.19	22.42	
5	64QAM	1	12	22.36	22.09	22.37	21.5
5	64QAM	1	24	22.07	22.29	21.90	
5	64QAM	12	0	21.26	20.98	21.35	
5	64QAM	12	7	21.34	21.03	21.26	19.5
5	64QAM	12	13	21.16	21.29	21.34	
5	64QAM	25	0	21.38	21.16	20.98	
5	256QAM	1	0	19.34	19.41	19.48	19.5
5	256QAM	1	12	19.43	19.41	19.40	
5	256QAM	1	24	19.32	19.34	19.37	
5	256QAM	12	0	19.35	19.47	19.37	19.5
5	256QAM	12	7	19.46	19.30	19.35	



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5	256QAM	12	13	19.37	19.40	19.35	Tune-up limit (dBm)
5	256QAM	25	0	19.28	19.29	19.31	
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	24.09	23.89	24.15	24.5
3	QPSK	1	8	24.06	23.90	23.98	
3	QPSK	1	14	23.80	24.04	23.72	
3	QPSK	8	0	23.44	22.91	23.24	23.5
3	QPSK	8	4	23.21	22.95	23.29	
3	QPSK	8	7	22.99	23.25	23.15	
3	QPSK	15	0	23.26	23.05	23.41	
3	16QAM	1	0	23.34	23.24	23.12	23.5
3	16QAM	1	8	23.31	23.22	23.31	
3	16QAM	1	14	23.20	23.19	23.03	
3	16QAM	8	0	22.15	21.97	22.28	22.5
3	16QAM	8	4	22.33	22.03	22.14	
3	16QAM	8	7	22.11	22.23	22.32	
3	16QAM	15	0	22.38	22.11	22.29	
3	64QAM	1	0	22.34	22.15	22.47	22.5
3	64QAM	1	8	22.37	22.11	22.37	
3	64QAM	1	14	22.09	22.21	21.86	
3	64QAM	8	0	21.26	20.88	21.30	21.5
3	64QAM	8	4	21.32	21.01	21.33	
3	64QAM	8	7	21.15	21.22	21.35	
3	64QAM	15	0	21.28	21.11	21.05	
3	256QAM	1	0	19.39	19.37	19.40	19.5
3	256QAM	1	8	19.42	19.34	19.38	
3	256QAM	1	14	19.33	19.31	19.43	
3	256QAM	8	0	19.37	19.38	19.39	19.5
3	256QAM	8	4	19.41	19.31	19.38	
3	256QAM	8	7	19.40	19.38	19.36	
3	256QAM	15	0	19.34	19.37	19.34	
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	24.07	23.98	24.10	24.5
1.4	QPSK	1	3	24.00	23.86	24.03	
1.4	QPSK	1	5	23.77	24.03	23.72	
1.4	QPSK	3	0	24.05	23.98	24.13	
1.4	QPSK	3	1	24.04	23.82	24.01	
1.4	QPSK	3	3	23.75	24.05	23.63	
1.4	QPSK	6	0	23.34	23.02	23.45	23.5
1.4	16QAM	1	0	23.26	23.28	23.21	23.5
1.4	16QAM	1	3	23.31	23.20	23.33	
1.4	16QAM	1	5	23.19	23.19	23.02	
1.4	16QAM	3	0	23.29	23.31	23.22	
1.4	16QAM	3	1	23.24	23.16	23.34	
1.4	16QAM	3	3	23.21	23.20	23.07	
1.4	16QAM	6	0	22.41	22.17	22.26	22.5
1.4	64QAM	1	0	22.31	22.20	22.44	22.5
1.4	64QAM	1	3	22.30	22.15	22.41	
1.4	64QAM	1	5	22.10	22.26	21.85	
1.4	64QAM	3	0	22.30	22.21	22.41	
1.4	64QAM	3	1	22.33	22.06	22.37	
1.4	64QAM	3	3	22.05	22.21	21.83	
1.4	64QAM	6	0	21.28	21.20	21.02	21.5
1.4	256QAM	1	0	19.34	19.35	19.40	19.5
1.4	256QAM	1	3	19.42	19.41	19.33	
1.4	256QAM	1	5	19.39	19.33	19.41	
1.4	256QAM	3	0	19.40	19.42	19.45	
1.4	256QAM	3	1	19.38	19.35	19.34	
1.4	256QAM	3	3	19.40	19.32	19.42	
1.4	256QAM	6	0	19.34	19.38	19.33	19.5



<LTE Band 5_Ant 1_WiFi off_DSI 1>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20450	20525	20600	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	24.13	23.98	24.20	24.5
10	QPSK	1	25	24.08	23.91	24.05	
10	QPSK	1	49	23.84	24.07	23.72	
10	QPSK	25	0	23.46	22.93	23.47	23.5
10	QPSK	25	12	23.23	23.03	23.31	
10	QPSK	25	25	23.04	23.28	23.19	
10	QPSK	50	0	23.35	23.11	23.45	23.5
10	16QAM	1	0	23.34	23.34	23.22	
10	16QAM	1	25	23.33	23.23	23.35	
10	16QAM	1	49	23.25	23.22	23.08	22.5
10	16QAM	25	0	22.20	21.99	22.33	
10	16QAM	25	12	22.33	22.09	22.24	
10	16QAM	25	25	22.15	22.29	22.35	22.5
10	16QAM	50	0	22.41	22.18	22.35	
10	64QAM	1	0	22.34	22.25	22.50	
10	64QAM	1	25	22.40	22.16	22.46	21.5
10	64QAM	1	49	22.11	22.29	21.92	
10	64QAM	25	0	21.35	20.98	21.36	
10	64QAM	25	12	21.35	21.05	21.35	19.5
10	64QAM	25	25	21.16	21.31	21.37	
10	64QAM	50	0	21.38	21.21	21.06	
10	256QAM	1	0	19.41	19.45	19.49	19.5
10	256QAM	1	25	19.43	19.42	19.42	
10	256QAM	1	49	19.40	19.39	19.46	
10	256QAM	25	0	19.43	19.47	19.43	19.5
10	256QAM	25	12	19.47	19.39	19.41	
10	256QAM	25	25	19.47	19.44	19.43	
10	256QAM	50	0	19.36	19.39	19.37	
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	24.05	23.95	24.16	24.5
5	QPSK	1	12	23.98	23.88	23.95	
5	QPSK	1	24	23.78	24.00	23.69	
5	QPSK	12	0	23.44	22.85	23.22	23.5
5	QPSK	12	7	23.17	22.94	23.21	
5	QPSK	12	13	22.98	23.26	23.11	
5	QPSK	25	0	23.28	23.08	23.42	23.5
5	16QAM	1	0	23.29	23.30	23.13	
5	16QAM	1	12	23.24	23.18	23.27	
5	16QAM	1	24	23.18	23.18	23.03	22.5
5	16QAM	12	0	22.16	21.99	22.24	
5	16QAM	12	7	22.23	22.03	22.20	
5	16QAM	12	13	22.08	22.28	22.29	22.5
5	16QAM	25	0	22.40	22.10	22.33	
5	64QAM	1	0	22.26	22.19	22.42	
5	64QAM	1	12	22.36	22.09	22.37	21.5
5	64QAM	1	24	22.07	22.29	21.90	
5	64QAM	12	0	21.26	20.98	21.35	
5	64QAM	12	7	21.34	21.03	21.26	19.5
5	64QAM	12	13	21.16	21.29	21.34	
5	64QAM	25	0	21.38	21.16	20.98	
5	256QAM	1	0	19.34	19.41	19.48	19.5
5	256QAM	1	12	19.43	19.41	19.40	
5	256QAM	1	24	19.32	19.34	19.37	
5	256QAM	12	0	19.35	19.47	19.37	19.5
5	256QAM	12	7	19.46	19.30	19.35	



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5	256QAM	12	13	19.37	19.40	19.35	Tune-up limit (dBm)
5	256QAM	25	0	19.28	19.29	19.31	
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	24.09	23.89	24.15	24.5
3	QPSK	1	8	24.06	23.90	23.98	
3	QPSK	1	14	23.80	24.04	23.72	
3	QPSK	8	0	23.44	22.91	23.24	23.5
3	QPSK	8	4	23.21	22.95	23.29	
3	QPSK	8	7	22.99	23.25	23.15	
3	QPSK	15	0	23.26	23.05	23.41	
3	16QAM	1	0	23.34	23.24	23.12	23.5
3	16QAM	1	8	23.31	23.22	23.31	
3	16QAM	1	14	23.20	23.19	23.03	
3	16QAM	8	0	22.15	21.97	22.28	22.5
3	16QAM	8	4	22.33	22.03	22.14	
3	16QAM	8	7	22.11	22.23	22.32	
3	16QAM	15	0	22.38	22.11	22.29	
3	64QAM	1	0	22.34	22.15	22.47	22.5
3	64QAM	1	8	22.37	22.11	22.37	
3	64QAM	1	14	22.09	22.21	21.86	
3	64QAM	8	0	21.26	20.88	21.30	21.5
3	64QAM	8	4	21.32	21.01	21.33	
3	64QAM	8	7	21.15	21.22	21.35	
3	64QAM	15	0	21.28	21.11	21.05	
3	256QAM	1	0	19.39	19.37	19.40	19.5
3	256QAM	1	8	19.42	19.34	19.38	
3	256QAM	1	14	19.33	19.31	19.43	
3	256QAM	8	0	19.37	19.38	19.39	19.5
3	256QAM	8	4	19.41	19.31	19.38	
3	256QAM	8	7	19.40	19.38	19.36	
3	256QAM	15	0	19.34	19.37	19.34	
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	24.07	23.98	24.10	24.5
1.4	QPSK	1	3	24.00	23.86	24.03	
1.4	QPSK	1	5	23.77	24.03	23.72	
1.4	QPSK	3	0	24.05	23.98	24.13	
1.4	QPSK	3	1	24.04	23.82	24.01	
1.4	QPSK	3	3	23.75	24.05	23.63	
1.4	QPSK	6	0	23.34	23.02	23.45	23.5
1.4	16QAM	1	0	23.26	23.28	23.21	23.5
1.4	16QAM	1	3	23.31	23.20	23.33	
1.4	16QAM	1	5	23.19	23.19	23.02	
1.4	16QAM	3	0	23.29	23.31	23.22	
1.4	16QAM	3	1	23.24	23.16	23.34	
1.4	16QAM	3	3	23.21	23.20	23.07	
1.4	16QAM	6	0	22.41	22.17	22.26	22.5
1.4	64QAM	1	0	22.31	22.20	22.44	22.5
1.4	64QAM	1	3	22.30	22.15	22.41	
1.4	64QAM	1	5	22.10	22.26	21.85	
1.4	64QAM	3	0	22.30	22.21	22.41	
1.4	64QAM	3	1	22.33	22.06	22.37	
1.4	64QAM	3	3	22.05	22.21	21.83	
1.4	64QAM	6	0	21.28	21.20	21.02	21.5
1.4	256QAM	1	0	19.34	19.35	19.40	19.5
1.4	256QAM	1	3	19.42	19.41	19.33	
1.4	256QAM	1	5	19.39	19.33	19.41	
1.4	256QAM	3	0	19.40	19.42	19.45	
1.4	256QAM	3	1	19.38	19.35	19.34	
1.4	256QAM	3	3	19.40	19.32	19.42	
1.4	256QAM	6	0	19.34	19.38	19.33	19.5



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	23.37	23.47	23.36	
20	QPSK	1	49	23.36	23.42	23.35	25
20	QPSK	1	99	23.39	23.45	23.31	
20	QPSK	50	0	22.61	22.62	22.55	
20	QPSK	50	24	22.57	22.57	22.50	24
20	QPSK	50	50	22.60	22.56	22.41	
20	QPSK	100	0	22.56	22.61	22.45	
20	16QAM	1	0	22.67	22.70	22.69	24
20	16QAM	1	49	22.78	22.87	22.68	
20	16QAM	1	99	22.93	22.83	22.74	
20	16QAM	50	0	21.54	21.51	21.45	23
20	16QAM	50	24	21.57	21.56	21.47	
20	16QAM	50	50	21.59	21.57	21.42	
20	16QAM	100	0	21.54	21.53	21.45	23
20	64QAM	1	0	21.50	21.60	21.49	
20	64QAM	1	49	21.60	21.79	21.49	
20	64QAM	1	99	21.70	21.77	21.55	22
20	64QAM	50	0	20.50	20.50	20.40	
20	64QAM	50	24	20.56	20.58	20.46	
20	64QAM	50	50	20.56	20.57	20.39	20
20	64QAM	100	0	20.53	20.52	20.45	
20	256QAM	1	0	19.05	19.11	18.94	
20	256QAM	1	49	19.07	19.04	18.98	20
20	256QAM	1	99	19.11	18.97	19.10	
20	256QAM	50	0	18.99	19.05	18.91	
20	256QAM	50	24	19.10	18.92	19.03	20
20	256QAM	50	50	18.96	19.08	19.00	
20	256QAM	100	0	19.08	18.94	18.91	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	23.29	23.42	23.35	
15	QPSK	1	37	23.31	23.34	23.28	25
15	QPSK	1	74	23.30	23.37	23.23	
15	QPSK	36	0	22.52	22.52	22.47	24
15	QPSK	36	20	22.54	22.48	22.43	
15	QPSK	36	39	22.57	22.52	22.31	
15	QPSK	75	0	22.56	22.60	22.45	24
15	16QAM	1	0	22.58	22.65	22.62	
15	16QAM	1	37	22.77	22.82	22.59	
15	16QAM	1	74	22.89	22.82	22.67	23
15	16QAM	36	0	21.49	21.49	21.45	
15	16QAM	36	20	21.53	21.53	21.46	
15	16QAM	36	39	21.52	21.56	21.37	23
15	16QAM	75	0	21.51	21.50	21.44	
15	64QAM	1	0	21.45	21.50	21.46	
15	64QAM	1	37	21.59	21.76	21.49	22
15	64QAM	1	74	21.63	21.76	21.48	
15	64QAM	36	0	20.43	20.48	20.31	
15	64QAM	36	20	20.55	20.51	20.40	20
15	64QAM	36	39	20.56	20.47	20.35	
15	64QAM	75	0	20.52	20.47	20.41	
15	256QAM	1	0	18.98	19.08	18.92	20
15	256QAM	1	37	18.99	18.97	18.97	
15	256QAM	1	74	19.11	18.97	19.00	
15	256QAM	36	0	18.90	18.97	18.86	20
15	256QAM	36	20	19.01	18.82	18.95	



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15	256QAM	36	39	18.93	18.99	18.90	Tune-up limit (dBm)
15	256QAM	75	0	19.04	18.85	18.91	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	23.36	23.39	23.34	25
10	QPSK	1	25	23.33	23.33	23.33	
10	QPSK	1	49	23.38	23.38	23.24	
10	QPSK	25	0	22.51	22.53	22.47	24
10	QPSK	25	12	22.47	22.57	22.47	
10	QPSK	25	25	22.59	22.47	22.39	
10	QPSK	50	0	22.52	22.58	22.36	
10	16QAM	1	0	22.57	22.63	22.67	24
10	16QAM	1	25	22.76	22.83	22.67	
10	16QAM	1	49	22.83	22.82	22.66	
10	16QAM	25	0	21.45	21.50	21.38	23
10	16QAM	25	12	21.52	21.51	21.39	
10	16QAM	25	25	21.51	21.47	21.32	
10	16QAM	50	0	21.47	21.45	21.38	
10	64QAM	1	0	21.44	21.51	21.44	23
10	64QAM	1	25	21.51	21.73	21.44	
10	64QAM	1	49	21.60	21.68	21.49	
10	64QAM	25	0	20.41	20.47	20.30	22
10	64QAM	25	12	20.56	20.50	20.37	
10	64QAM	25	25	20.55	20.50	20.35	
10	64QAM	50	0	20.43	20.52	20.41	
10	256QAM	1	0	18.95	19.03	18.84	20
10	256QAM	1	25	19.00	18.99	18.90	
10	256QAM	1	49	19.01	18.97	19.06	
10	256QAM	25	0	18.97	19.01	18.83	20
10	256QAM	25	12	19.10	18.84	18.94	
10	256QAM	25	25	18.96	19.01	18.99	
10	256QAM	50	0	19.01	18.94	18.88	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	23.37	23.39	23.34	25
5	QPSK	1	12	23.36	23.34	23.35	
5	QPSK	1	24	23.39	23.42	23.22	
5	QPSK	12	0	22.60	22.54	22.54	24
5	QPSK	12	7	22.52	22.54	22.47	
5	QPSK	12	13	22.58	22.46	22.38	
5	QPSK	25	0	22.50	22.61	22.45	
5	16QAM	1	0	22.63	22.70	22.65	24
5	16QAM	1	12	22.69	22.86	22.62	
5	16QAM	1	24	22.85	22.73	22.69	
5	16QAM	12	0	21.54	21.48	21.43	23
5	16QAM	12	7	21.50	21.47	21.45	
5	16QAM	12	13	21.58	21.56	21.37	
5	16QAM	25	0	21.54	21.51	21.35	
5	64QAM	1	0	21.49	21.58	21.48	23
5	64QAM	1	12	21.53	21.73	21.39	
5	64QAM	1	24	21.65	21.68	21.46	
5	64QAM	12	0	20.41	20.43	20.38	22
5	64QAM	12	7	20.54	20.50	20.40	
5	64QAM	12	13	20.49	20.57	20.34	
5	64QAM	25	0	20.46	20.45	20.43	
5	256QAM	1	0	18.98	19.06	18.88	20
5	256QAM	1	12	19.00	19.04	18.96	
5	256QAM	1	24	19.02	18.94	19.03	
5	256QAM	12	0	18.92	19.04	18.86	20
5	256QAM	12	7	19.04	18.88	18.98	
5	256QAM	12	13	18.88	19.08	18.98	
5	256QAM	25	0	19.08	18.85	18.83	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	23.5
20	QPSK	1	0	23.06	23.48	23.08	
20	QPSK	1	49	23.10	23.16	23.06	
20	QPSK	1	99	22.94	23.06	22.99	22.5
20	QPSK	50	0	22.23	22.25	22.17	
20	QPSK	50	24	22.20	22.20	22.15	
20	QPSK	50	50	22.19	22.20	22.11	22.5
20	QPSK	100	0	22.17	22.19	22.14	
20	16QAM	1	0	22.28	22.33	22.32	
20	16QAM	1	49	22.44	22.50	22.40	22.5
20	16QAM	1	99	22.43	22.50	22.34	
20	16QAM	50	0	21.12	21.16	21.13	21.5
20	16QAM	50	24	21.16	21.20	21.18	
20	16QAM	50	50	21.21	21.20	21.10	
20	16QAM	100	0	21.17	21.19	21.15	21.5
20	64QAM	1	0	21.21	21.25	21.20	
20	64QAM	1	49	21.24	21.31	21.30	
20	64QAM	1	99	21.34	21.30	21.27	20.5
20	64QAM	50	0	20.13	20.14	20.12	
20	64QAM	50	24	20.19	20.24	20.14	
20	64QAM	50	50	20.20	20.22	20.10	18.5
20	64QAM	100	0	20.19	20.20	20.17	
20	256QAM	1	0	17.98	18.00	17.82	
20	256QAM	1	49	18.05	18.09	18.05	18.5
20	256QAM	1	99	18.17	17.85	18.17	
20	256QAM	50	0	17.99	17.98	17.86	
20	256QAM	50	24	18.05	17.99	18.01	18.5
20	256QAM	50	50	17.94	18.13	18.03	
20	256QAM	100	0	18.00	17.83	17.89	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	22.90	23.10	23.02	23.5
15	QPSK	1	37	23.02	23.06	22.98	
15	QPSK	1	74	22.80	22.96	22.98	
15	QPSK	36	0	22.16	22.24	22.00	22.5
15	QPSK	36	20	22.03	22.01	22.10	
15	QPSK	36	39	22.06	22.00	22.00	
15	QPSK	75	0	22.03	22.13	22.05	22.5
15	16QAM	1	0	22.21	22.29	22.29	
15	16QAM	1	37	22.31	22.34	22.28	
15	16QAM	1	74	22.36	22.50	22.29	21.5
15	16QAM	36	0	21.10	20.96	20.97	
15	16QAM	36	20	21.06	21.07	21.09	
15	16QAM	36	39	21.14	21.09	21.01	21.5
15	16QAM	75	0	21.08	21.16	21.11	
15	64QAM	1	0	21.21	21.12	21.20	
15	64QAM	1	37	21.22	21.16	21.24	20.5
15	64QAM	1	74	21.34	21.10	21.24	
15	64QAM	36	0	19.96	20.05	20.11	
15	64QAM	36	20	20.07	20.19	20.03	18.5
15	64QAM	36	39	20.12	20.12	19.96	
15	64QAM	75	0	20.19	20.18	20.03	
15	256QAM	1	0	17.86	17.85	17.79	18.5
15	256QAM	1	37	17.87	18.00	18.05	
15	256QAM	1	74	18.05	17.67	18.03	
15	256QAM	36	0	17.86	17.87	17.70	18.5
15	256QAM	36	20	18.01	17.85	17.94	



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15	256QAM	36	39	17.84	17.94	17.93	Tune-up limit (dBm)
15	256QAM	75	0	17.87	17.64	17.84	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	23.06	23.01	23.01	23.5
10	QPSK	1	25	23.04	23.12	22.95	
10	QPSK	1	49	22.79	22.93	22.91	
10	QPSK	25	0	22.16	22.11	22.09	22.5
10	QPSK	25	12	22.13	22.13	21.98	
10	QPSK	25	25	22.07	22.14	21.98	
10	QPSK	50	0	22.01	22.12	22.13	
10	16QAM	1	0	22.22	22.13	22.20	22.5
10	16QAM	1	25	22.24	22.50	22.35	
10	16QAM	1	49	22.28	22.50	22.34	
10	16QAM	25	0	21.01	21.01	21.02	21.5
10	16QAM	25	12	21.03	21.04	21.17	
10	16QAM	25	25	21.01	21.06	21.00	
10	16QAM	50	0	21.06	21.15	21.07	
10	64QAM	1	0	21.10	21.06	21.14	21.5
10	64QAM	1	25	21.07	21.13	21.12	
10	64QAM	1	49	21.16	21.20	21.18	
10	64QAM	25	0	20.13	20.05	20.10	20.5
10	64QAM	25	12	20.13	20.23	20.02	
10	64QAM	25	25	20.05	20.10	20.09	
10	64QAM	50	0	20.19	20.16	20.07	
10	256QAM	1	0	17.93	18.00	17.73	18.5
10	256QAM	1	25	17.86	18.05	17.91	
10	256QAM	1	49	18.14	17.72	18.00	
10	256QAM	25	0	17.84	17.92	17.72	18.5
10	256QAM	25	12	17.97	17.99	17.95	
10	256QAM	25	25	17.76	17.96	17.85	
10	256QAM	50	0	17.86	17.80	17.85	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	22.87	23.12	22.92	23.5
5	QPSK	1	12	22.98	22.99	22.92	
5	QPSK	1	24	22.80	22.98	22.87	
5	QPSK	12	0	22.03	22.22	22.17	22.5
5	QPSK	12	7	22.12	22.09	22.04	
5	QPSK	12	13	22.15	22.15	22.06	
5	QPSK	25	0	22.08	22.03	22.08	
5	16QAM	1	0	22.12	22.27	22.29	22.5
5	16QAM	1	12	22.33	22.41	22.27	
5	16QAM	1	24	22.30	22.45	22.32	
5	16QAM	12	0	20.97	21.15	21.06	21.5
5	16QAM	12	7	21.07	21.03	20.98	
5	16QAM	12	13	21.06	21.02	20.93	
5	16QAM	25	0	20.97	21.06	21.03	
5	64QAM	1	0	21.10	21.11	21.18	21.5
5	64QAM	1	12	21.05	21.23	21.21	
5	64QAM	1	24	21.20	21.11	21.13	
5	64QAM	12	0	20.09	19.96	19.93	20.5
5	64QAM	12	7	20.16	20.14	20.01	
5	64QAM	12	13	20.05	20.04	20.08	
5	64QAM	25	0	20.18	20.14	19.98	
5	256QAM	1	0	17.82	17.91	17.80	18.5
5	256QAM	1	12	17.89	18.00	17.88	
5	256QAM	1	24	18.16	17.69	18.01	
5	256QAM	12	0	17.97	17.97	17.72	18.5
5	256QAM	12	7	17.96	17.97	17.81	
5	256QAM	12	13	17.94	18.03	17.92	
5	256QAM	25	0	17.82	17.74	17.75	



<LTE Band 7_Ant 5_WiFi off_DSI 1>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	23.37	23.47	23.36	
20	QPSK	1	49	23.36	23.42	23.35	25
20	QPSK	1	99	23.39	23.45	23.31	
20	QPSK	50	0	22.61	22.62	22.55	
20	QPSK	50	24	22.57	22.57	22.50	24
20	QPSK	50	50	22.60	22.56	22.41	
20	QPSK	100	0	22.56	22.61	22.45	
20	16QAM	1	0	22.67	22.70	22.69	24
20	16QAM	1	49	22.78	22.87	22.68	
20	16QAM	1	99	22.93	22.83	22.74	
20	16QAM	50	0	21.54	21.51	21.45	23
20	16QAM	50	24	21.57	21.56	21.47	
20	16QAM	50	50	21.59	21.57	21.42	
20	16QAM	100	0	21.54	21.53	21.45	23
20	64QAM	1	0	21.50	21.60	21.49	
20	64QAM	1	49	21.60	21.79	21.49	
20	64QAM	1	99	21.70	21.77	21.55	22
20	64QAM	50	0	20.50	20.50	20.40	
20	64QAM	50	24	20.56	20.58	20.46	
20	64QAM	50	50	20.56	20.57	20.39	20
20	64QAM	100	0	20.53	20.52	20.45	
20	256QAM	1	0	19.05	19.11	18.94	
20	256QAM	1	49	19.07	19.04	18.98	20
20	256QAM	1	99	19.11	18.97	19.10	
20	256QAM	50	0	18.99	19.05	18.91	
20	256QAM	50	24	19.10	18.92	19.03	20
20	256QAM	50	50	18.96	19.08	19.00	
20	256QAM	100	0	19.08	18.94	18.91	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	23.29	23.42	23.35	
15	QPSK	1	37	23.31	23.34	23.28	25
15	QPSK	1	74	23.30	23.37	23.23	
15	QPSK	36	0	22.52	22.52	22.47	24
15	QPSK	36	20	22.54	22.48	22.43	
15	QPSK	36	39	22.57	22.52	22.31	
15	QPSK	75	0	22.56	22.60	22.45	24
15	16QAM	1	0	22.58	22.65	22.62	
15	16QAM	1	37	22.77	22.82	22.59	
15	16QAM	1	74	22.89	22.82	22.67	23
15	16QAM	36	0	21.49	21.49	21.45	
15	16QAM	36	20	21.53	21.53	21.46	
15	16QAM	36	39	21.52	21.56	21.37	23
15	16QAM	75	0	21.51	21.50	21.44	
15	64QAM	1	0	21.45	21.50	21.46	
15	64QAM	1	37	21.59	21.76	21.49	22
15	64QAM	1	74	21.63	21.76	21.48	
15	64QAM	36	0	20.43	20.48	20.31	
15	64QAM	36	20	20.55	20.51	20.40	20
15	64QAM	36	39	20.56	20.47	20.35	
15	64QAM	75	0	20.52	20.47	20.41	
15	256QAM	1	0	18.98	19.08	18.92	20
15	256QAM	1	37	18.99	18.97	18.97	
15	256QAM	1	74	19.11	18.97	19.00	
15	256QAM	36	0	18.90	18.97	18.86	20
15	256QAM	36	20	19.01	18.82	18.95	



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15	256QAM	36	39	18.93	18.99	18.90	Tune-up limit (dBm)
15	256QAM	75	0	19.04	18.85	18.91	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	23.36	23.39	23.34	25
10	QPSK	1	25	23.33	23.33	23.33	
10	QPSK	1	49	23.38	23.38	23.24	
10	QPSK	25	0	22.51	22.53	22.47	24
10	QPSK	25	12	22.47	22.57	22.47	
10	QPSK	25	25	22.59	22.47	22.39	
10	QPSK	50	0	22.52	22.58	22.36	
10	16QAM	1	0	22.57	22.63	22.67	24
10	16QAM	1	25	22.76	22.83	22.67	
10	16QAM	1	49	22.83	22.82	22.66	
10	16QAM	25	0	21.45	21.50	21.38	23
10	16QAM	25	12	21.52	21.51	21.39	
10	16QAM	25	25	21.51	21.47	21.32	
10	16QAM	50	0	21.47	21.45	21.38	
10	64QAM	1	0	21.44	21.51	21.44	23
10	64QAM	1	25	21.51	21.73	21.44	
10	64QAM	1	49	21.60	21.68	21.49	
10	64QAM	25	0	20.41	20.47	20.30	22
10	64QAM	25	12	20.56	20.50	20.37	
10	64QAM	25	25	20.55	20.50	20.35	
10	64QAM	50	0	20.43	20.52	20.41	
10	256QAM	1	0	18.95	19.03	18.84	20
10	256QAM	1	25	19.00	18.99	18.90	
10	256QAM	1	49	19.01	18.97	19.06	
10	256QAM	25	0	18.97	19.01	18.83	20
10	256QAM	25	12	19.10	18.84	18.94	
10	256QAM	25	25	18.96	19.01	18.99	
10	256QAM	50	0	19.01	18.94	18.88	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	23.37	23.39	23.34	25
5	QPSK	1	12	23.36	23.34	23.35	
5	QPSK	1	24	23.39	23.42	23.22	
5	QPSK	12	0	22.60	22.54	22.54	24
5	QPSK	12	7	22.52	22.54	22.47	
5	QPSK	12	13	22.58	22.46	22.38	
5	QPSK	25	0	22.50	22.61	22.45	
5	16QAM	1	0	22.63	22.70	22.65	24
5	16QAM	1	12	22.69	22.86	22.62	
5	16QAM	1	24	22.85	22.73	22.69	
5	16QAM	12	0	21.54	21.48	21.43	23
5	16QAM	12	7	21.50	21.47	21.45	
5	16QAM	12	13	21.58	21.56	21.37	
5	16QAM	25	0	21.54	21.51	21.35	
5	64QAM	1	0	21.49	21.58	21.48	23
5	64QAM	1	12	21.53	21.73	21.39	
5	64QAM	1	24	21.65	21.68	21.46	
5	64QAM	12	0	20.41	20.43	20.38	22
5	64QAM	12	7	20.54	20.50	20.40	
5	64QAM	12	13	20.49	20.57	20.34	
5	64QAM	25	0	20.46	20.45	20.43	
5	256QAM	1	0	18.98	19.06	18.88	20
5	256QAM	1	12	19.00	19.04	18.96	
5	256QAM	1	24	19.02	18.94	19.03	
5	256QAM	12	0	18.92	19.04	18.86	20
5	256QAM	12	7	19.04	18.88	18.98	
5	256QAM	12	13	18.88	19.08	18.98	
5	256QAM	25	0	19.08	18.85	18.83	



<LTE Band 7_Ant 5_WiFi on_DSI 1>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	23.37	23.47	23.36	
20	QPSK	1	49	23.36	23.42	23.35	24.1
20	QPSK	1	99	23.39	23.45	23.31	
20	QPSK	50	0	22.61	22.62	22.55	
20	QPSK	50	24	22.57	22.57	22.50	24
20	QPSK	50	50	22.60	22.56	22.41	
20	QPSK	100	0	22.56	22.61	22.45	
20	16QAM	1	0	22.67	22.70	22.69	24
20	16QAM	1	49	22.78	22.87	22.68	
20	16QAM	1	99	22.93	22.83	22.74	
20	16QAM	50	0	21.54	21.51	21.45	23
20	16QAM	50	24	21.57	21.56	21.47	
20	16QAM	50	50	21.59	21.57	21.42	
20	16QAM	100	0	21.54	21.53	21.45	23
20	64QAM	1	0	21.50	21.60	21.49	
20	64QAM	1	49	21.60	21.79	21.49	
20	64QAM	1	99	21.70	21.77	21.55	22
20	64QAM	50	0	20.50	20.50	20.40	
20	64QAM	50	24	20.56	20.58	20.46	
20	64QAM	50	50	20.56	20.57	20.39	20
20	64QAM	100	0	20.53	20.52	20.45	
20	256QAM	1	0	19.05	19.11	18.94	
20	256QAM	1	49	19.07	19.04	18.98	20
20	256QAM	1	99	19.11	18.97	19.10	
20	256QAM	50	0	18.99	19.05	18.91	
20	256QAM	50	24	19.10	18.92	19.03	20
20	256QAM	50	50	18.96	19.08	19.00	
20	256QAM	100	0	19.08	18.94	18.91	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	23.29	23.42	23.35	
15	QPSK	1	37	23.31	23.34	23.28	24.1
15	QPSK	1	74	23.30	23.37	23.23	
15	QPSK	36	0	22.52	22.52	22.47	24
15	QPSK	36	20	22.54	22.48	22.43	
15	QPSK	36	39	22.57	22.52	22.31	
15	QPSK	75	0	22.56	22.60	22.45	24
15	16QAM	1	0	22.58	22.65	22.62	
15	16QAM	1	37	22.77	22.82	22.59	
15	16QAM	1	74	22.89	22.82	22.67	23
15	16QAM	36	0	21.49	21.49	21.45	
15	16QAM	36	20	21.53	21.53	21.46	
15	16QAM	36	39	21.52	21.56	21.37	23
15	16QAM	75	0	21.51	21.50	21.44	
15	64QAM	1	0	21.45	21.50	21.46	
15	64QAM	1	37	21.59	21.76	21.49	22
15	64QAM	1	74	21.63	21.76	21.48	
15	64QAM	36	0	20.43	20.48	20.31	
15	64QAM	36	20	20.55	20.51	20.40	20
15	64QAM	36	39	20.56	20.47	20.35	
15	64QAM	75	0	20.52	20.47	20.41	
15	256QAM	1	0	18.98	19.08	18.92	20
15	256QAM	1	37	18.99	18.97	18.97	
15	256QAM	1	74	19.11	18.97	19.00	
15	256QAM	36	0	18.90	18.97	18.86	20
15	256QAM	36	20	19.01	18.82	18.95	



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15	256QAM	36	39	18.93	18.99	18.90	Tune-up limit (dBm)
15	256QAM	75	0	19.04	18.85	18.91	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	23.36	23.39	23.34	24.1
10	QPSK	1	25	23.33	23.33	23.33	
10	QPSK	1	49	23.38	23.38	23.24	
10	QPSK	25	0	22.51	22.53	22.47	24
10	QPSK	25	12	22.47	22.57	22.47	
10	QPSK	25	25	22.59	22.47	22.39	
10	QPSK	50	0	22.52	22.58	22.36	
10	16QAM	1	0	22.57	22.63	22.67	24
10	16QAM	1	25	22.76	22.83	22.67	
10	16QAM	1	49	22.83	22.82	22.66	
10	16QAM	25	0	21.45	21.50	21.38	23
10	16QAM	25	12	21.52	21.51	21.39	
10	16QAM	25	25	21.51	21.47	21.32	
10	16QAM	50	0	21.47	21.45	21.38	
10	64QAM	1	0	21.44	21.51	21.44	23
10	64QAM	1	25	21.51	21.73	21.44	
10	64QAM	1	49	21.60	21.68	21.49	
10	64QAM	25	0	20.41	20.47	20.30	22
10	64QAM	25	12	20.56	20.50	20.37	
10	64QAM	25	25	20.55	20.50	20.35	
10	64QAM	50	0	20.43	20.52	20.41	
10	256QAM	1	0	18.95	19.03	18.84	20
10	256QAM	1	25	19.00	18.99	18.90	
10	256QAM	1	49	19.01	18.97	19.06	
10	256QAM	25	0	18.97	19.01	18.83	20
10	256QAM	25	12	19.10	18.84	18.94	
10	256QAM	25	25	18.96	19.01	18.99	
10	256QAM	50	0	19.01	18.94	18.88	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	23.37	23.39	23.34	24.1
5	QPSK	1	12	23.36	23.34	23.35	
5	QPSK	1	24	23.39	23.42	23.22	
5	QPSK	12	0	22.60	22.54	22.54	24
5	QPSK	12	7	22.52	22.54	22.47	
5	QPSK	12	13	22.58	22.46	22.38	
5	QPSK	25	0	22.50	22.61	22.45	
5	16QAM	1	0	22.63	22.70	22.65	24
5	16QAM	1	12	22.69	22.86	22.62	
5	16QAM	1	24	22.85	22.73	22.69	
5	16QAM	12	0	21.54	21.48	21.43	23
5	16QAM	12	7	21.50	21.47	21.45	
5	16QAM	12	13	21.58	21.56	21.37	
5	16QAM	25	0	21.54	21.51	21.35	
5	64QAM	1	0	21.49	21.58	21.48	23
5	64QAM	1	12	21.53	21.73	21.39	
5	64QAM	1	24	21.65	21.68	21.46	
5	64QAM	12	0	20.41	20.43	20.38	22
5	64QAM	12	7	20.54	20.50	20.40	
5	64QAM	12	13	20.49	20.57	20.34	
5	64QAM	25	0	20.46	20.45	20.43	
5	256QAM	1	0	18.98	19.06	18.88	20
5	256QAM	1	12	19.00	19.04	18.96	
5	256QAM	1	24	19.02	18.94	19.03	
5	256QAM	12	0	18.92	19.04	18.86	20
5	256QAM	12	7	19.04	18.88	18.98	
5	256QAM	12	13	18.88	19.08	18.98	
5	256QAM	25	0	19.08	18.85	18.83	



<LTE Band 12_Ant 1_DSI 0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	23.87	23.99	23.99	
10	QPSK	1	25	23.86	23.90	23.93	25
10	QPSK	1	49	23.86	23.87	23.93	
10	QPSK	25	0	22.94	22.95	22.96	
10	QPSK	25	12	22.93	22.90	22.89	24
10	QPSK	25	25	22.90	22.94	22.91	
10	QPSK	50	0	22.99	22.96	22.99	
10	16QAM	1	0	23.02	23.13	23.19	24
10	16QAM	1	25	23.18	23.43	23.37	
10	16QAM	1	49	23.28	23.29	23.08	
10	16QAM	25	0	21.87	21.94	21.95	23
10	16QAM	25	12	22.00	22.04	21.97	
10	16QAM	25	25	22.05	22.07	21.99	
10	16QAM	50	0	21.98	21.98	21.94	23
10	64QAM	1	0	22.00	22.07	22.17	
10	64QAM	1	25	22.17	22.29	22.22	
10	64QAM	1	49	22.14	22.18	22.16	22
10	64QAM	25	0	20.89	20.96	20.96	
10	64QAM	25	12	20.99	21.02	20.98	
10	64QAM	25	25	20.99	21.09	21.02	20
10	64QAM	50	0	20.97	21.05	20.96	
10	256QAM	1	0	19.30	19.34	19.34	
10	256QAM	1	25	19.30	19.21	19.31	20
10	256QAM	1	49	19.15	19.30	19.19	
10	256QAM	25	0	19.21	19.22	19.30	
10	256QAM	25	12	19.15	19.25	19.33	20
10	256QAM	25	25	19.34	19.19	19.20	
10	256QAM	50	0	19.24	19.27	19.31	
Channel				23035	23095	23155	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	23.80	23.89	23.96	
5	QPSK	1	12	23.80	23.81	23.87	25
5	QPSK	1	24	23.77	23.78	23.87	
5	QPSK	12	0	22.91	22.94	22.86	24
5	QPSK	12	7	22.90	22.86	22.85	
5	QPSK	12	13	22.82	22.89	22.83	
5	QPSK	25	0	22.89	22.87	22.86	24
5	16QAM	1	0	23.02	23.06	23.11	
5	16QAM	1	12	23.08	23.41	23.34	
5	16QAM	1	24	23.24	23.26	22.98	23
5	16QAM	12	0	21.78	21.86	21.94	
5	16QAM	12	7	21.96	21.98	21.89	
5	16QAM	12	13	21.99	22.02	21.97	23
5	16QAM	25	0	21.90	21.97	21.88	
5	64QAM	1	0	21.99	21.99	22.13	
5	64QAM	1	12	22.13	22.23	22.14	23
5	64QAM	1	24	22.05	22.18	22.15	
5	64QAM	12	0	20.80	20.86	20.94	
5	64QAM	12	7	20.92	20.98	20.98	22
5	64QAM	12	13	20.95	20.99	20.95	
5	64QAM	25	0	20.88	21.05	20.91	
5	256QAM	1	0	19.26	19.28	19.25	20
5	256QAM	1	12	19.20	19.13	19.25	
5	256QAM	1	24	19.14	19.23	19.09	
5	256QAM	12	0	19.20	19.15	19.25	20
5	256QAM	12	7	19.06	19.17	19.24	



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5	256QAM	12	13	19.25	19.09	19.10	Tune-up limit (dBm)
5	256QAM	25	0	19.23	19.19	19.21	
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	23.85	23.89	23.95	25
3	QPSK	1	8	23.78	23.81	23.89	
3	QPSK	1	14	23.78	23.78	23.88	
3	QPSK	8	0	22.94	22.85	22.86	24
3	QPSK	8	4	22.90	22.83	22.82	
3	QPSK	8	7	22.86	22.91	22.91	
3	QPSK	15	0	22.95	22.94	22.92	
3	16QAM	1	0	22.95	23.03	23.15	24
3	16QAM	1	8	23.14	23.33	23.34	
3	16QAM	1	14	23.23	23.20	23.02	
3	16QAM	8	0	21.84	21.87	21.89	23
3	16QAM	8	4	21.92	22.04	21.92	
3	16QAM	8	7	22.01	22.05	21.96	
3	16QAM	15	0	21.95	21.91	21.91	
3	64QAM	1	0	21.94	22.02	22.15	23
3	64QAM	1	8	22.08	22.28	22.18	
3	64QAM	1	14	22.04	22.12	22.11	
3	64QAM	8	0	20.85	20.86	20.94	22
3	64QAM	8	4	20.94	20.92	20.91	
3	64QAM	8	7	20.90	21.05	20.95	
3	64QAM	15	0	20.87	21.04	20.89	
3	256QAM	1	0	19.29	19.28	19.24	20
3	256QAM	1	8	19.28	19.13	19.31	
3	256QAM	1	14	19.07	19.28	19.14	
3	256QAM	8	0	19.21	19.14	19.22	20
3	256QAM	8	4	19.10	19.22	19.33	
3	256QAM	8	7	19.30	19.15	19.18	
3	256QAM	15	0	19.21	19.17	19.25	
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	23.87	23.83	23.97	25
1.4	QPSK	1	3	23.76	23.82	23.87	
1.4	QPSK	1	5	23.79	23.77	23.87	
1.4	QPSK	3	0	23.79	23.84	23.97	
1.4	QPSK	3	1	23.78	23.86	23.90	
1.4	QPSK	3	3	23.84	23.79	23.91	24
1.4	QPSK	6	0	22.97	22.89	22.90	
1.4	16QAM	1	0	22.93	23.12	23.18	24
1.4	16QAM	1	3	23.11	23.35	23.28	
1.4	16QAM	1	5	23.26	23.25	23.07	
1.4	16QAM	3	0	22.98	23.09	23.16	
1.4	16QAM	3	1	23.16	23.43	23.33	
1.4	16QAM	3	3	23.22	23.23	22.99	23
1.4	16QAM	6	0	21.97	21.90	21.91	
1.4	64QAM	1	0	21.93	22.02	22.10	23
1.4	64QAM	1	3	22.17	22.29	22.14	
1.4	64QAM	1	5	22.06	22.08	22.09	
1.4	64QAM	3	0	21.92	22.00	22.17	
1.4	64QAM	3	1	22.08	22.23	22.15	
1.4	64QAM	3	3	22.11	22.17	22.14	22
1.4	64QAM	6	0	20.89	21.04	20.90	
1.4	256QAM	1	0	19.27	19.31	19.28	20
1.4	256QAM	1	3	19.24	19.16	19.30	
1.4	256QAM	1	5	19.07	19.24	19.17	
1.4	256QAM	3	0	19.26	19.32	19.33	
1.4	256QAM	3	1	19.30	19.19	19.30	
1.4	256QAM	3	3	19.13	19.26	19.12	20
1.4	256QAM	6	0	19.17	19.17	19.23	



<LTE Band 12_Ant 1_DSI 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	23.87	23.99	23.99	
10	QPSK	1	25	23.86	23.90	23.93	25
10	QPSK	1	49	23.86	23.87	23.93	
10	QPSK	25	0	22.94	22.95	22.96	
10	QPSK	25	12	22.93	22.90	22.89	24
10	QPSK	25	25	22.90	22.94	22.91	
10	QPSK	50	0	22.99	22.96	22.99	
10	16QAM	1	0	23.02	23.13	23.19	24
10	16QAM	1	25	23.18	23.43	23.37	
10	16QAM	1	49	23.28	23.29	23.08	
10	16QAM	25	0	21.87	21.94	21.95	23
10	16QAM	25	12	22.00	22.04	21.97	
10	16QAM	25	25	22.05	22.07	21.99	
10	16QAM	50	0	21.98	21.98	21.94	23
10	64QAM	1	0	22.00	22.07	22.17	
10	64QAM	1	25	22.17	22.29	22.22	
10	64QAM	1	49	22.14	22.18	22.16	22
10	64QAM	25	0	20.89	20.96	20.96	
10	64QAM	25	12	20.99	21.02	20.98	
10	64QAM	25	25	20.99	21.09	21.02	20
10	64QAM	50	0	20.97	21.05	20.96	
10	256QAM	1	0	19.30	19.34	19.34	
10	256QAM	1	25	19.30	19.21	19.31	20
10	256QAM	1	49	19.15	19.30	19.19	
10	256QAM	25	0	19.21	19.22	19.30	
10	256QAM	25	12	19.15	19.25	19.33	20
10	256QAM	25	25	19.34	19.19	19.20	
10	256QAM	50	0	19.24	19.27	19.31	
Channel				23035	23095	23155	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	23.80	23.89	23.96	
5	QPSK	1	12	23.80	23.81	23.87	25
5	QPSK	1	24	23.77	23.78	23.87	
5	QPSK	12	0	22.91	22.94	22.86	24
5	QPSK	12	7	22.90	22.86	22.85	
5	QPSK	12	13	22.82	22.89	22.83	
5	QPSK	25	0	22.89	22.87	22.86	24
5	16QAM	1	0	23.02	23.06	23.11	
5	16QAM	1	12	23.08	23.41	23.34	
5	16QAM	1	24	23.24	23.26	22.98	23
5	16QAM	12	0	21.78	21.86	21.94	
5	16QAM	12	7	21.96	21.98	21.89	
5	16QAM	12	13	21.99	22.02	21.97	23
5	16QAM	25	0	21.90	21.97	21.88	
5	64QAM	1	0	21.99	21.99	22.13	
5	64QAM	1	12	22.13	22.23	22.14	23
5	64QAM	1	24	22.05	22.18	22.15	
5	64QAM	12	0	20.80	20.86	20.94	
5	64QAM	12	7	20.92	20.98	20.98	22
5	64QAM	12	13	20.95	20.99	20.95	
5	64QAM	25	0	20.88	21.05	20.91	
5	256QAM	1	0	19.26	19.28	19.25	20
5	256QAM	1	12	19.20	19.13	19.25	
5	256QAM	1	24	19.14	19.23	19.09	
5	256QAM	12	0	19.20	19.15	19.25	20
5	256QAM	12	7	19.06	19.17	19.24	



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5	256QAM	12	13	19.25	19.09	19.10	Tune-up limit (dBm)
5	256QAM	25	0	19.23	19.19	19.21	
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	23.85	23.89	23.95	25
3	QPSK	1	8	23.78	23.81	23.89	
3	QPSK	1	14	23.78	23.78	23.88	
3	QPSK	8	0	22.94	22.85	22.86	24
3	QPSK	8	4	22.90	22.83	22.82	
3	QPSK	8	7	22.86	22.91	22.91	
3	QPSK	15	0	22.95	22.94	22.92	
3	16QAM	1	0	22.95	23.03	23.15	24
3	16QAM	1	8	23.14	23.33	23.34	
3	16QAM	1	14	23.23	23.20	23.02	
3	16QAM	8	0	21.84	21.87	21.89	23
3	16QAM	8	4	21.92	22.04	21.92	
3	16QAM	8	7	22.01	22.05	21.96	
3	16QAM	15	0	21.95	21.91	21.91	
3	64QAM	1	0	21.94	22.02	22.15	23
3	64QAM	1	8	22.08	22.28	22.18	
3	64QAM	1	14	22.04	22.12	22.11	
3	64QAM	8	0	20.85	20.86	20.94	22
3	64QAM	8	4	20.94	20.92	20.91	
3	64QAM	8	7	20.90	21.05	20.95	
3	64QAM	15	0	20.87	21.04	20.89	
3	256QAM	1	0	19.29	19.28	19.24	20
3	256QAM	1	8	19.28	19.13	19.31	
3	256QAM	1	14	19.07	19.28	19.14	
3	256QAM	8	0	19.21	19.14	19.22	20
3	256QAM	8	4	19.10	19.22	19.33	
3	256QAM	8	7	19.30	19.15	19.18	
3	256QAM	15	0	19.21	19.17	19.25	
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	23.87	23.83	23.97	25
1.4	QPSK	1	3	23.76	23.82	23.87	
1.4	QPSK	1	5	23.79	23.77	23.87	
1.4	QPSK	3	0	23.79	23.84	23.97	
1.4	QPSK	3	1	23.78	23.86	23.90	
1.4	QPSK	3	3	23.84	23.79	23.91	24
1.4	QPSK	6	0	22.97	22.89	22.90	
1.4	16QAM	1	0	22.93	23.12	23.18	24
1.4	16QAM	1	3	23.11	23.35	23.28	
1.4	16QAM	1	5	23.26	23.25	23.07	
1.4	16QAM	3	0	22.98	23.09	23.16	
1.4	16QAM	3	1	23.16	23.43	23.33	
1.4	16QAM	3	3	23.22	23.23	22.99	23
1.4	16QAM	6	0	21.97	21.90	21.91	
1.4	64QAM	1	0	21.93	22.02	22.10	23
1.4	64QAM	1	3	22.17	22.29	22.14	
1.4	64QAM	1	5	22.06	22.08	22.09	
1.4	64QAM	3	0	21.92	22.00	22.17	
1.4	64QAM	3	1	22.08	22.23	22.15	
1.4	64QAM	3	3	22.11	22.17	22.14	22
1.4	64QAM	6	0	20.89	21.04	20.90	
1.4	256QAM	1	0	19.27	19.31	19.28	20
1.4	256QAM	1	3	19.24	19.16	19.30	
1.4	256QAM	1	5	19.07	19.24	19.17	
1.4	256QAM	3	0	19.26	19.32	19.33	
1.4	256QAM	3	1	19.30	19.19	19.30	
1.4	256QAM	3	3	19.13	19.26	19.12	20
1.4	256QAM	6	0	19.17	19.17	19.23	



<LTE Band 12_Ant 1_WiFi off_DSI 1>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	23.87	23.99	23.99	
10	QPSK	1	25	23.86	23.90	23.93	25
10	QPSK	1	49	23.86	23.87	23.93	
10	QPSK	25	0	22.94	22.95	22.96	
10	QPSK	25	12	22.93	22.90	22.89	24
10	QPSK	25	25	22.90	22.94	22.91	
10	QPSK	50	0	22.99	22.96	22.99	
10	16QAM	1	0	23.02	23.13	23.19	24
10	16QAM	1	25	23.18	23.43	23.37	
10	16QAM	1	49	23.28	23.29	23.08	
10	16QAM	25	0	21.87	21.94	21.95	23
10	16QAM	25	12	22.00	22.04	21.97	
10	16QAM	25	25	22.05	22.07	21.99	
10	16QAM	50	0	21.98	21.98	21.94	23
10	64QAM	1	0	22.00	22.07	22.17	
10	64QAM	1	25	22.17	22.29	22.22	
10	64QAM	1	49	22.14	22.18	22.16	22
10	64QAM	25	0	20.89	20.96	20.96	
10	64QAM	25	12	20.99	21.02	20.98	
10	64QAM	25	25	20.99	21.09	21.02	20
10	64QAM	50	0	20.97	21.05	20.96	
10	256QAM	1	0	19.30	19.34	19.34	
10	256QAM	1	25	19.30	19.21	19.31	20
10	256QAM	1	49	19.15	19.30	19.19	
10	256QAM	25	0	19.21	19.22	19.30	
10	256QAM	25	12	19.15	19.25	19.33	20
10	256QAM	25	25	19.34	19.19	19.20	
10	256QAM	50	0	19.24	19.27	19.31	
Channel				23035	23095	23155	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	23.80	23.89	23.96	
5	QPSK	1	12	23.80	23.81	23.87	25
5	QPSK	1	24	23.77	23.78	23.87	
5	QPSK	12	0	22.91	22.94	22.86	24
5	QPSK	12	7	22.90	22.86	22.85	
5	QPSK	12	13	22.82	22.89	22.83	
5	QPSK	25	0	22.89	22.87	22.86	24
5	16QAM	1	0	23.02	23.06	23.11	
5	16QAM	1	12	23.08	23.41	23.34	
5	16QAM	1	24	23.24	23.26	22.98	23
5	16QAM	12	0	21.78	21.86	21.94	
5	16QAM	12	7	21.96	21.98	21.89	
5	16QAM	12	13	21.99	22.02	21.97	23
5	16QAM	25	0	21.90	21.97	21.88	
5	64QAM	1	0	21.99	21.99	22.13	
5	64QAM	1	12	22.13	22.23	22.14	23
5	64QAM	1	24	22.05	22.18	22.15	
5	64QAM	12	0	20.80	20.86	20.94	
5	64QAM	12	7	20.92	20.98	20.98	22
5	64QAM	12	13	20.95	20.99	20.95	
5	64QAM	25	0	20.88	21.05	20.91	
5	256QAM	1	0	19.26	19.28	19.25	20
5	256QAM	1	12	19.20	19.13	19.25	
5	256QAM	1	24	19.14	19.23	19.09	
5	256QAM	12	0	19.20	19.15	19.25	20
5	256QAM	12	7	19.06	19.17	19.24	



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5	256QAM	12	13	19.25	19.09	19.10	Tune-up limit (dBm)
5	256QAM	25	0	19.23	19.19	19.21	
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	23.85	23.89	23.95	25
3	QPSK	1	8	23.78	23.81	23.89	
3	QPSK	1	14	23.78	23.78	23.88	
3	QPSK	8	0	22.94	22.85	22.86	24
3	QPSK	8	4	22.90	22.83	22.82	
3	QPSK	8	7	22.86	22.91	22.91	
3	QPSK	15	0	22.95	22.94	22.92	
3	16QAM	1	0	22.95	23.03	23.15	24
3	16QAM	1	8	23.14	23.33	23.34	
3	16QAM	1	14	23.23	23.20	23.02	
3	16QAM	8	0	21.84	21.87	21.89	23
3	16QAM	8	4	21.92	22.04	21.92	
3	16QAM	8	7	22.01	22.05	21.96	
3	16QAM	15	0	21.95	21.91	21.91	
3	64QAM	1	0	21.94	22.02	22.15	23
3	64QAM	1	8	22.08	22.28	22.18	
3	64QAM	1	14	22.04	22.12	22.11	
3	64QAM	8	0	20.85	20.86	20.94	22
3	64QAM	8	4	20.94	20.92	20.91	
3	64QAM	8	7	20.90	21.05	20.95	
3	64QAM	15	0	20.87	21.04	20.89	
3	256QAM	1	0	19.29	19.28	19.24	20
3	256QAM	1	8	19.28	19.13	19.31	
3	256QAM	1	14	19.07	19.28	19.14	
3	256QAM	8	0	19.21	19.14	19.22	20
3	256QAM	8	4	19.10	19.22	19.33	
3	256QAM	8	7	19.30	19.15	19.18	
3	256QAM	15	0	19.21	19.17	19.25	
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	23.87	23.83	23.97	25
1.4	QPSK	1	3	23.76	23.82	23.87	
1.4	QPSK	1	5	23.79	23.77	23.87	
1.4	QPSK	3	0	23.79	23.84	23.97	
1.4	QPSK	3	1	23.78	23.86	23.90	
1.4	QPSK	3	3	23.84	23.79	23.91	24
1.4	QPSK	6	0	22.97	22.89	22.90	
1.4	16QAM	1	0	22.93	23.12	23.18	24
1.4	16QAM	1	3	23.11	23.35	23.28	
1.4	16QAM	1	5	23.26	23.25	23.07	
1.4	16QAM	3	0	22.98	23.09	23.16	
1.4	16QAM	3	1	23.16	23.43	23.33	
1.4	16QAM	3	3	23.22	23.23	22.99	23
1.4	16QAM	6	0	21.97	21.90	21.91	
1.4	64QAM	1	0	21.93	22.02	22.10	23
1.4	64QAM	1	3	22.17	22.29	22.14	
1.4	64QAM	1	5	22.06	22.08	22.09	
1.4	64QAM	3	0	21.92	22.00	22.17	
1.4	64QAM	3	1	22.08	22.23	22.15	
1.4	64QAM	3	3	22.11	22.17	22.14	22
1.4	64QAM	6	0	20.89	21.04	20.90	
1.4	256QAM	1	0	19.27	19.31	19.28	20
1.4	256QAM	1	3	19.24	19.16	19.30	
1.4	256QAM	1	5	19.07	19.24	19.17	
1.4	256QAM	3	0	19.26	19.32	19.33	
1.4	256QAM	3	1	19.30	19.19	19.30	
1.4	256QAM	3	3	19.13	19.26	19.12	20
1.4	256QAM	6	0	19.17	19.17	19.23	



<LTE Band 13_Ant 1_DSI 0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23230			
Frequency (MHz)				782			
10	QPSK	1	0		24.23		25
10	QPSK	1	25		24.20		
10	QPSK	1	49		24.23		
10	QPSK	25	0		23.30		24
10	QPSK	25	12		23.36		
10	QPSK	25	25		23.37		
10	QPSK	50	0		23.43		24
10	16QAM	1	0		23.44		
10	16QAM	1	25		23.60		
10	16QAM	1	49		23.49		23
10	16QAM	25	0		22.28		
10	16QAM	25	12		22.34		
10	16QAM	25	25		22.37		23
10	16QAM	50	0		22.40		
10	64QAM	1	0		22.40		
10	64QAM	1	25		22.61		23
10	64QAM	1	49		22.52		
10	64QAM	25	0		21.27		
10	64QAM	25	12		21.30		22
10	64QAM	25	25		21.36		
10	64QAM	50	0		21.39		
10	256QAM	1	0		19.26		20
10	256QAM	1	25		19.14		
10	256QAM	1	49		19.08		
10	256QAM	25	0		19.08		20
10	256QAM	25	12		19.10		
10	256QAM	25	25		19.17		
10	256QAM	50	0		19.06		
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	24.15	24.15	24.16	25
5	QPSK	1	12	24.20	24.22	24.21	
5	QPSK	1	24	24.20	24.21	24.20	
5	QPSK	12	0	23.26	23.26	23.20	24
5	QPSK	12	7	23.32	23.28	23.36	
5	QPSK	12	13	23.33	23.35	23.29	
5	QPSK	25	0	23.36	23.42	23.40	24
5	16QAM	1	0	23.35	23.41	23.38	
5	16QAM	1	12	23.60	23.50	23.52	
5	16QAM	1	24	23.49	23.41	23.40	23
5	16QAM	12	0	22.28	22.24	22.27	
5	16QAM	12	7	22.27	22.33	22.34	
5	16QAM	12	13	22.31	22.35	22.34	23
5	16QAM	25	0	22.40	22.33	22.32	
5	64QAM	1	0	22.34	22.40	22.30	
5	64QAM	1	12	22.59	22.52	22.60	23
5	64QAM	1	24	22.46	22.52	22.43	
5	64QAM	12	0	21.23	21.27	21.25	
5	64QAM	12	7	21.29	21.21	21.21	22
5	64QAM	12	13	21.30	21.35	21.26	
5	64QAM	25	0	21.32	21.30	21.33	
5	256QAM	1	0	19.23	19.19	19.23	20
5	256QAM	1	12	19.14	19.12	19.13	
5	256QAM	1	24	19.02	19.08	19.07	
5	256QAM	12	0	19.04	19.03	19.02	20
5	256QAM	12	7	19.00	19.00	19.01	
5	256QAM	12	13	19.17	19.17	19.16	
5	256QAM	25	0	18.99	18.98	19.02	



<LTE Band 13_Ant 1_DSI 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23230			
Frequency (MHz)				782			
10	QPSK	1	0		24.23		25
10	QPSK	1	25		24.20		
10	QPSK	1	49		24.23		
10	QPSK	25	0		23.30		24
10	QPSK	25	12		23.36		
10	QPSK	25	25		23.37		
10	QPSK	50	0		23.43		24
10	16QAM	1	0		23.44		
10	16QAM	1	25		23.60		
10	16QAM	1	49		23.49		23
10	16QAM	25	0		22.28		
10	16QAM	25	12		22.34		
10	16QAM	25	25		22.37		23
10	16QAM	50	0		22.40		
10	64QAM	1	0		22.40		
10	64QAM	1	25		22.61		23
10	64QAM	1	49		22.52		
10	64QAM	25	0		21.27		
10	64QAM	25	12		21.30		22
10	64QAM	25	25		21.36		
10	64QAM	50	0		21.39		
10	256QAM	1	0		19.26		20
10	256QAM	1	25		19.14		
10	256QAM	1	49		19.08		
10	256QAM	25	0		19.08		20
10	256QAM	25	12		19.10		
10	256QAM	25	25		19.17		
10	256QAM	50	0		19.06		
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	24.15	24.15	24.16	25
5	QPSK	1	12	24.20	24.22	24.21	
5	QPSK	1	24	24.20	24.21	24.20	
5	QPSK	12	0	23.26	23.26	23.20	24
5	QPSK	12	7	23.32	23.28	23.36	
5	QPSK	12	13	23.33	23.35	23.29	
5	QPSK	25	0	23.36	23.42	23.40	24
5	16QAM	1	0	23.35	23.41	23.38	
5	16QAM	1	12	23.60	23.50	23.52	
5	16QAM	1	24	23.49	23.41	23.40	23
5	16QAM	12	0	22.28	22.24	22.27	
5	16QAM	12	7	22.27	22.33	22.34	
5	16QAM	12	13	22.31	22.35	22.34	23
5	16QAM	25	0	22.40	22.33	22.32	
5	64QAM	1	0	22.34	22.40	22.30	
5	64QAM	1	12	22.59	22.52	22.60	23
5	64QAM	1	24	22.46	22.52	22.43	
5	64QAM	12	0	21.23	21.27	21.25	
5	64QAM	12	7	21.29	21.21	21.21	22
5	64QAM	12	13	21.30	21.35	21.26	
5	64QAM	25	0	21.32	21.30	21.33	
5	256QAM	1	0	19.23	19.19	19.23	20
5	256QAM	1	12	19.14	19.12	19.13	
5	256QAM	1	24	19.02	19.08	19.07	
5	256QAM	12	0	19.04	19.03	19.02	20
5	256QAM	12	7	19.00	19.00	19.01	
5	256QAM	12	13	19.17	19.17	19.16	
5	256QAM	25	0	18.99	18.98	19.02	



<LTE Band 13_Ant 1_WiFi off_DSI 1>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23230			
Frequency (MHz)				782			
10	QPSK	1	0		24.23		25
10	QPSK	1	25		24.20		
10	QPSK	1	49		24.23		
10	QPSK	25	0		23.30		24
10	QPSK	25	12		23.36		
10	QPSK	25	25		23.37		
10	QPSK	50	0		23.43		24
10	16QAM	1	0		23.44		
10	16QAM	1	25		23.60		
10	16QAM	1	49		23.49		23
10	16QAM	25	0		22.28		
10	16QAM	25	12		22.34		
10	16QAM	25	25		22.37		23
10	16QAM	50	0		22.40		
10	64QAM	1	0		22.40		
10	64QAM	1	25		22.61		23
10	64QAM	1	49		22.52		
10	64QAM	25	0		21.27		
10	64QAM	25	12		21.30		22
10	64QAM	25	25		21.36		
10	64QAM	50	0		21.39		
10	256QAM	1	0		19.26		20
10	256QAM	1	25		19.14		
10	256QAM	1	49		19.08		
10	256QAM	25	0		19.08		20
10	256QAM	25	12		19.10		
10	256QAM	25	25		19.17		
10	256QAM	50	0		19.06		
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	24.15	24.15	24.16	25
5	QPSK	1	12	24.20	24.22	24.21	
5	QPSK	1	24	24.20	24.21	24.20	
5	QPSK	12	0	23.26	23.26	23.20	24
5	QPSK	12	7	23.32	23.28	23.36	
5	QPSK	12	13	23.33	23.35	23.29	
5	QPSK	25	0	23.36	23.42	23.40	24
5	16QAM	1	0	23.35	23.41	23.38	
5	16QAM	1	12	23.60	23.50	23.52	
5	16QAM	1	24	23.49	23.41	23.40	23
5	16QAM	12	0	22.28	22.24	22.27	
5	16QAM	12	7	22.27	22.33	22.34	
5	16QAM	12	13	22.31	22.35	22.34	23
5	16QAM	25	0	22.40	22.33	22.32	
5	64QAM	1	0	22.34	22.40	22.30	
5	64QAM	1	12	22.59	22.52	22.60	23
5	64QAM	1	24	22.46	22.52	22.43	
5	64QAM	12	0	21.23	21.27	21.25	
5	64QAM	12	7	21.29	21.21	21.21	22
5	64QAM	12	13	21.30	21.35	21.26	
5	64QAM	25	0	21.32	21.30	21.33	
5	256QAM	1	0	19.23	19.19	19.23	20
5	256QAM	1	12	19.14	19.12	19.13	
5	256QAM	1	24	19.02	19.08	19.07	
5	256QAM	12	0	19.04	19.03	19.02	20
5	256QAM	12	7	19.00	19.00	19.01	
5	256QAM	12	13	19.17	19.17	19.16	
5	256QAM	25	0	18.99	18.98	19.02	



FCC SAR TEST REPORT

Report No. : FA3N2802B

<LTE Band 14_Ant 1_DSI 0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23330			
Frequency (MHz)				793			
10	QPSK	1	0		23.55		25
10	QPSK	1	25		23.50		
10	QPSK	1	49		23.19		
10	QPSK	25	0		23.18		24
10	QPSK	25	12		23.13		
10	QPSK	25	25		22.69		
10	QPSK	50	0		22.98		24
10	16QAM	1	0		22.79		
10	16QAM	1	25		23.33		
10	16QAM	1	49		22.54		23
10	16QAM	25	0		22.13		
10	16QAM	25	12		22.18		
10	16QAM	25	25		21.73		23
10	16QAM	50	0		22.01		
10	64QAM	1	0		21.76		
10	64QAM	1	25		22.36		23
10	64QAM	1	49		21.51		
10	64QAM	25	0		21.13		
10	64QAM	25	12		21.17		22
10	64QAM	25	25		20.78		
10	64QAM	50	0		21.07		
10	256QAM	1	0		19.51		20
10	256QAM	1	25		19.35		
10	256QAM	1	49		19.33		
10	256QAM	25	0		19.34		20
10	256QAM	25	12		19.33		
10	256QAM	25	25		19.38		
10	256QAM	50	0		19.46		
Channel				23305	23330	23355	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	0	23.47	23.51	23.47	25
5	QPSK	1	12	23.46	23.49	23.49	
5	QPSK	1	24	23.09	23.14	23.14	
5	QPSK	12	0	23.10	23.08	23.14	24
5	QPSK	12	7	23.06	23.08	23.07	
5	QPSK	12	13	22.68	22.66	22.68	
5	QPSK	25	0	22.97	22.93	22.88	24
5	16QAM	1	0	22.69	22.78	22.70	
5	16QAM	1	12	23.23	23.27	23.27	
5	16QAM	1	24	22.54	22.51	22.53	23
5	16QAM	12	0	22.12	22.09	22.06	
5	16QAM	12	7	22.17	22.15	22.09	
5	16QAM	12	13	21.65	21.63	21.65	23
5	16QAM	25	0	22.00	21.94	21.98	
5	64QAM	1	0	21.69	21.75	21.70	
5	64QAM	1	12	22.30	22.35	22.35	23
5	64QAM	1	24	21.48	21.45	21.45	
5	64QAM	12	0	21.03	21.09	21.07	
5	64QAM	12	7	21.07	21.14	21.16	22
5	64QAM	12	13	20.73	20.69	20.78	
5	64QAM	25	0	21.02	20.99	20.98	
5	256QAM	1	0	19.41	19.46	19.46	20
5	256QAM	1	12	19.26	19.35	19.25	
5	256QAM	1	24	19.29	19.33	19.32	
5	256QAM	12	0	19.33	19.34	19.26	20
5	256QAM	12	7	19.24	19.33	19.30	
5	256QAM	12	13	19.37	19.29	19.30	
5	256QAM	25	0	19.45	19.44	19.36	



FCC SAR TEST REPORT

Report No. : FA3N2802B

<LTE Band 14_Ant 1_DSI 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23330			
Frequency (MHz)				793			
10	QPSK	1	0		23.55		24.7
10	QPSK	1	25		23.50		
10	QPSK	1	49		23.19		
10	QPSK	25	0		23.18		23.7
10	QPSK	25	12		23.13		
10	QPSK	25	25		22.69		
10	QPSK	50	0		22.98		23.7
10	16QAM	1	0		22.79		
10	16QAM	1	25		23.33		
10	16QAM	1	49		22.54		22.7
10	16QAM	25	0		22.13		
10	16QAM	25	12		22.18		
10	16QAM	25	25		21.73		22.7
10	16QAM	50	0		22.01		
10	64QAM	1	0		21.76		
10	64QAM	1	25		22.36		22.7
10	64QAM	1	49		21.51		
10	64QAM	25	0		21.13		
10	64QAM	25	12		21.17		21.7
10	64QAM	25	25		20.78		
10	64QAM	50	0		21.07		
10	256QAM	1	0		19.51		19.7
10	256QAM	1	25		19.35		
10	256QAM	1	49		19.33		
10	256QAM	25	0		19.34		19.7
10	256QAM	25	12		19.33		
10	256QAM	25	25		19.38		
10	256QAM	50	0		19.46		
Channel				23305	23330	23355	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	0	23.47	23.51	23.47	24.7
5	QPSK	1	12	23.46	23.49	23.49	
5	QPSK	1	24	23.09	23.14	23.14	
5	QPSK	12	0	23.10	23.08	23.14	23.7
5	QPSK	12	7	23.06	23.08	23.07	
5	QPSK	12	13	22.68	22.66	22.68	
5	QPSK	25	0	22.97	22.93	22.88	23.7
5	16QAM	1	0	22.69	22.78	22.70	
5	16QAM	1	12	23.23	23.27	23.27	
5	16QAM	1	24	22.54	22.51	22.53	22.7
5	16QAM	12	0	22.12	22.09	22.06	
5	16QAM	12	7	22.17	22.15	22.09	
5	16QAM	12	13	21.65	21.63	21.65	22.7
5	16QAM	25	0	22.00	21.94	21.98	
5	64QAM	1	0	21.69	21.75	21.70	
5	64QAM	1	12	22.30	22.35	22.35	22.7
5	64QAM	1	24	21.48	21.45	21.45	
5	64QAM	12	0	21.03	21.09	21.07	
5	64QAM	12	7	21.07	21.14	21.16	21.7
5	64QAM	12	13	20.73	20.69	20.78	
5	64QAM	25	0	21.02	20.99	20.98	
5	256QAM	1	0	19.41	19.46	19.46	19.7
5	256QAM	1	12	19.26	19.35	19.25	
5	256QAM	1	24	19.29	19.33	19.32	
5	256QAM	12	0	19.33	19.34	19.26	19.7
5	256QAM	12	7	19.24	19.33	19.30	
5	256QAM	12	13	19.37	19.29	19.30	
5	256QAM	25	0	19.45	19.44	19.36	



FCC SAR TEST REPORT

Report No. : FA3N2802B

<LTE Band 14_Ant 1_WiFi off_DSI 1>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23330			
Frequency (MHz)				793			
10	QPSK	1	0		23.55		25
10	QPSK	1	25		23.50		
10	QPSK	1	49		23.19		
10	QPSK	25	0		23.18		24
10	QPSK	25	12		23.13		
10	QPSK	25	25		22.69		
10	QPSK	50	0		22.98		24
10	16QAM	1	0		22.79		
10	16QAM	1	25		23.33		
10	16QAM	1	49		22.54		23
10	16QAM	25	0		22.13		
10	16QAM	25	12		22.18		
10	16QAM	25	25		21.73		23
10	16QAM	50	0		22.01		
10	64QAM	1	0		21.76		
10	64QAM	1	25		22.36		23
10	64QAM	1	49		21.51		
10	64QAM	25	0		21.13		
10	64QAM	25	12		21.17		22
10	64QAM	25	25		20.78		
10	64QAM	50	0		21.07		
10	256QAM	1	0		19.51		20
10	256QAM	1	25		19.35		
10	256QAM	1	49		19.33		
10	256QAM	25	0		19.34		20
10	256QAM	25	12		19.33		
10	256QAM	25	25		19.38		
10	256QAM	50	0		19.46		
Channel				23305	23330	23355	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	0	23.47	23.51	23.47	25
5	QPSK	1	12	23.46	23.49	23.49	
5	QPSK	1	24	23.09	23.14	23.14	
5	QPSK	12	0	23.10	23.08	23.14	24
5	QPSK	12	7	23.06	23.08	23.07	
5	QPSK	12	13	22.68	22.66	22.68	
5	QPSK	25	0	22.97	22.93	22.88	24
5	16QAM	1	0	22.69	22.78	22.70	
5	16QAM	1	12	23.23	23.27	23.27	
5	16QAM	1	24	22.54	22.51	22.53	23
5	16QAM	12	0	22.12	22.09	22.06	
5	16QAM	12	7	22.17	22.15	22.09	
5	16QAM	12	13	21.65	21.63	21.65	23
5	16QAM	25	0	22.00	21.94	21.98	
5	64QAM	1	0	21.69	21.75	21.70	
5	64QAM	1	12	22.30	22.35	22.35	23
5	64QAM	1	24	21.48	21.45	21.45	
5	64QAM	12	0	21.03	21.09	21.07	
5	64QAM	12	7	21.07	21.14	21.16	22
5	64QAM	12	13	20.73	20.69	20.78	
5	64QAM	25	0	21.02	20.99	20.98	
5	256QAM	1	0	19.41	19.46	19.46	20
5	256QAM	1	12	19.26	19.35	19.25	
5	256QAM	1	24	19.29	19.33	19.32	
5	256QAM	12	0	19.33	19.34	19.26	20
5	256QAM	12	7	19.24	19.33	19.30	
5	256QAM	12	13	19.37	19.29	19.30	
5	256QAM	25	0	19.45	19.44	19.36	



FCC SAR TEST REPORT

Report No. : FA3N2802B

<LTE Band 17_Ant 1_DSI 0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	23.83	23.82	23.82	25
10	QPSK	1	25	23.80	23.81	23.78	
10	QPSK	1	49	23.80	23.79	23.77	
10	QPSK	25	0	22.96	22.95	22.91	24
10	QPSK	25	12	22.87	22.89	22.88	
10	QPSK	25	25	22.95	22.87	22.78	
10	QPSK	50	0	22.88	22.88	22.86	
10	16QAM	1	0	23.08	22.98	23.02	24
10	16QAM	1	25	23.24	23.23	23.21	
10	16QAM	1	49	23.12	23.03	23.04	
10	16QAM	25	0	21.86	21.89	21.86	23
10	16QAM	25	12	21.92	21.92	21.97	
10	16QAM	25	25	21.93	21.88	21.82	
10	16QAM	50	0	21.90	21.90	21.89	
10	64QAM	1	0	22.01	22.00	21.94	23
10	64QAM	1	25	22.18	22.15	22.09	
10	64QAM	1	49	22.11	22.04	22.06	
10	64QAM	25	0	20.88	20.85	20.86	22
10	64QAM	25	12	20.89	20.93	20.97	
10	64QAM	25	25	20.98	20.90	20.83	
10	64QAM	50	0	20.88	20.90	20.87	
10	256QAM	1	0	19.19	19.34	19.19	20
10	256QAM	1	25	19.19	19.26	19.25	
10	256QAM	1	49	19.34	19.18	19.27	
10	256QAM	25	0	19.19	19.31	19.15	20
10	256QAM	25	12	19.34	19.33	19.15	
10	256QAM	25	25	19.30	19.32	19.21	
10	256QAM	50	0	19.18	19.14	19.21	
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	23.74	23.81	23.80	25
5	QPSK	1	12	23.71	23.77	23.68	
5	QPSK	1	24	23.76	23.69	23.74	
5	QPSK	12	0	22.91	22.88	22.81	24
5	QPSK	12	7	22.78	22.79	22.78	
5	QPSK	12	13	22.94	22.83	22.76	
5	QPSK	25	0	22.83	22.84	22.80	24
5	16QAM	1	0	23.03	22.97	23.02	
5	16QAM	1	12	23.18	23.16	23.16	
5	16QAM	1	24	23.09	22.95	22.99	
5	16QAM	12	0	21.77	21.84	21.80	23
5	16QAM	12	7	21.85	21.89	21.89	
5	16QAM	12	13	21.91	21.78	21.72	
5	16QAM	25	0	21.88	21.82	21.80	
5	64QAM	1	0	21.99	21.97	21.93	23
5	64QAM	1	12	22.14	22.11	22.05	
5	64QAM	1	24	22.03	21.98	22.06	
5	64QAM	12	0	20.86	20.80	20.84	22
5	64QAM	12	7	20.84	20.86	20.90	
5	64QAM	12	13	20.88	20.82	20.76	
5	64QAM	25	0	20.86	20.84	20.82	
5	256QAM	1	0	19.14	19.32	19.15	20
5	256QAM	1	12	19.17	19.26	19.17	
5	256QAM	1	24	19.24	19.18	19.27	
5	256QAM	12	0	19.14	19.21	19.11	20
5	256QAM	12	7	19.25	19.30	19.12	
5	256QAM	12	13	19.21	19.22	19.11	
5	256QAM	25	0	19.09	19.11	19.12	



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<LTE Band 17_Ant 1_DSI 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	23.83	23.82	23.82	25
10	QPSK	1	25	23.80	23.81	23.78	
10	QPSK	1	49	23.80	23.79	23.77	
10	QPSK	25	0	22.96	22.95	22.91	24
10	QPSK	25	12	22.87	22.89	22.88	
10	QPSK	25	25	22.95	22.87	22.78	
10	QPSK	50	0	22.88	22.88	22.86	24
10	16QAM	1	0	23.08	22.98	23.02	
10	16QAM	1	25	23.24	23.23	23.21	
10	16QAM	1	49	23.12	23.03	23.04	23
10	16QAM	25	0	21.86	21.89	21.86	
10	16QAM	25	12	21.92	21.92	21.97	
10	16QAM	25	25	21.93	21.88	21.82	23
10	16QAM	50	0	21.90	21.90	21.89	
10	64QAM	1	0	22.01	22.00	21.94	
10	64QAM	1	25	22.18	22.15	22.09	23
10	64QAM	1	49	22.11	22.04	22.06	
10	64QAM	25	0	20.88	20.85	20.86	
10	64QAM	25	12	20.89	20.93	20.97	22
10	64QAM	25	25	20.98	20.90	20.83	
10	64QAM	50	0	20.88	20.90	20.87	
10	256QAM	1	0	19.19	19.34	19.19	20
10	256QAM	1	25	19.19	19.26	19.25	
10	256QAM	1	49	19.34	19.18	19.27	
10	256QAM	25	0	19.19	19.31	19.15	20
10	256QAM	25	12	19.34	19.33	19.15	
10	256QAM	25	25	19.30	19.32	19.21	
10	256QAM	50	0	19.18	19.14	19.21	
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	23.74	23.81	23.80	25
5	QPSK	1	12	23.71	23.77	23.68	
5	QPSK	1	24	23.76	23.69	23.74	
5	QPSK	12	0	22.91	22.88	22.81	24
5	QPSK	12	7	22.78	22.79	22.78	
5	QPSK	12	13	22.94	22.83	22.76	
5	QPSK	25	0	22.83	22.84	22.80	24
5	16QAM	1	0	23.03	22.97	23.02	
5	16QAM	1	12	23.18	23.16	23.16	
5	16QAM	1	24	23.09	22.95	22.99	23
5	16QAM	12	0	21.77	21.84	21.80	
5	16QAM	12	7	21.85	21.89	21.89	
5	16QAM	12	13	21.91	21.78	21.72	23
5	16QAM	25	0	21.88	21.82	21.80	
5	64QAM	1	0	21.99	21.97	21.93	
5	64QAM	1	12	22.14	22.11	22.05	23
5	64QAM	1	24	22.03	21.98	22.06	
5	64QAM	12	0	20.86	20.80	20.84	
5	64QAM	12	7	20.84	20.86	20.90	22
5	64QAM	12	13	20.88	20.82	20.76	
5	64QAM	25	0	20.86	20.84	20.82	
5	256QAM	1	0	19.14	19.32	19.15	20
5	256QAM	1	12	19.17	19.26	19.17	
5	256QAM	1	24	19.24	19.18	19.27	
5	256QAM	12	0	19.14	19.21	19.11	20
5	256QAM	12	7	19.25	19.30	19.12	
5	256QAM	12	13	19.21	19.22	19.11	
5	256QAM	25	0	19.09	19.11	19.12	



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<LTE Band 17_Ant 1_WiFi off_DSI 1>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	23.83	23.82	23.82	25
10	QPSK	1	25	23.80	23.81	23.78	
10	QPSK	1	49	23.80	23.79	23.77	
10	QPSK	25	0	22.96	22.95	22.91	24
10	QPSK	25	12	22.87	22.89	22.88	
10	QPSK	25	25	22.95	22.87	22.78	
10	QPSK	50	0	22.88	22.88	22.86	
10	16QAM	1	0	23.08	22.98	23.02	24
10	16QAM	1	25	23.24	23.23	23.21	
10	16QAM	1	49	23.12	23.03	23.04	
10	16QAM	25	0	21.86	21.89	21.86	23
10	16QAM	25	12	21.92	21.92	21.97	
10	16QAM	25	25	21.93	21.88	21.82	
10	16QAM	50	0	21.90	21.90	21.89	
10	64QAM	1	0	22.01	22.00	21.94	23
10	64QAM	1	25	22.18	22.15	22.09	
10	64QAM	1	49	22.11	22.04	22.06	
10	64QAM	25	0	20.88	20.85	20.86	22
10	64QAM	25	12	20.89	20.93	20.97	
10	64QAM	25	25	20.98	20.90	20.83	
10	64QAM	50	0	20.88	20.90	20.87	
10	256QAM	1	0	19.19	19.34	19.19	20
10	256QAM	1	25	19.19	19.26	19.25	
10	256QAM	1	49	19.34	19.18	19.27	
10	256QAM	25	0	19.19	19.31	19.15	20
10	256QAM	25	12	19.34	19.33	19.15	
10	256QAM	25	25	19.30	19.32	19.21	
10	256QAM	50	0	19.18	19.14	19.21	
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	23.74	23.81	23.80	25
5	QPSK	1	12	23.71	23.77	23.68	
5	QPSK	1	24	23.76	23.69	23.74	
5	QPSK	12	0	22.91	22.88	22.81	24
5	QPSK	12	7	22.78	22.79	22.78	
5	QPSK	12	13	22.94	22.83	22.76	
5	QPSK	25	0	22.83	22.84	22.80	
5	16QAM	1	0	23.03	22.97	23.02	24
5	16QAM	1	12	23.18	23.16	23.16	
5	16QAM	1	24	23.09	22.95	22.99	
5	16QAM	12	0	21.77	21.84	21.80	23
5	16QAM	12	7	21.85	21.89	21.89	
5	16QAM	12	13	21.91	21.78	21.72	
5	16QAM	25	0	21.88	21.82	21.80	
5	64QAM	1	0	21.99	21.97	21.93	23
5	64QAM	1	12	22.14	22.11	22.05	
5	64QAM	1	24	22.03	21.98	22.06	
5	64QAM	12	0	20.86	20.80	20.84	22
5	64QAM	12	7	20.84	20.86	20.90	
5	64QAM	12	13	20.88	20.82	20.76	
5	64QAM	25	0	20.86	20.84	20.82	
5	256QAM	1	0	19.14	19.32	19.15	20
5	256QAM	1	12	19.17	19.26	19.17	
5	256QAM	1	24	19.24	19.18	19.27	
5	256QAM	12	0	19.14	19.21	19.11	20
5	256QAM	12	7	19.25	19.30	19.12	
5	256QAM	12	13	19.21	19.22	19.11	
5	256QAM	25	0	19.09	19.11	19.12	



<LTE Band 25_Ant 1_DSI 0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	23.62	23.66	23.90	
20	QPSK	1	49	23.59	23.63	23.89	25
20	QPSK	1	99	23.57	23.66	23.87	
20	QPSK	50	0	22.80	22.87	23.10	
20	QPSK	50	24	22.78	22.84	23.04	24
20	QPSK	50	50	22.71	22.79	23.09	
20	QPSK	100	0	22.74	22.80	23.01	
20	16QAM	1	0	22.92	23.02	23.18	24
20	16QAM	1	49	22.96	22.93	23.28	
20	16QAM	1	99	22.95	22.99	23.23	
20	16QAM	50	0	21.69	21.71	21.99	23
20	16QAM	50	24	21.76	21.80	22.00	
20	16QAM	50	50	21.75	21.78	22.11	
20	16QAM	100	0	21.75	21.81	22.02	23
20	64QAM	1	0	21.89	21.91	22.06	
20	64QAM	1	49	21.84	21.96	22.26	
20	64QAM	1	99	21.78	22.01	22.20	22
20	64QAM	50	0	20.72	20.74	20.98	
20	64QAM	50	24	20.75	20.84	21.01	
20	64QAM	50	50	20.69	20.78	21.07	20
20	64QAM	100	0	20.74	20.79	21.01	
20	256QAM	1	0	19.26	19.30	19.13	
20	256QAM	1	49	19.28	19.10	19.13	20
20	256QAM	1	99	19.26	19.22	19.22	
20	256QAM	50	0	19.25	19.18	19.26	
20	256QAM	50	24	19.18	19.22	19.22	20
20	256QAM	50	50	19.29	19.21	19.28	
20	256QAM	100	0	19.23	19.14	19.27	
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	23.59	23.64	23.82	
15	QPSK	1	37	23.54	23.53	23.83	25
15	QPSK	1	74	23.53	23.65	23.81	
15	QPSK	36	0	22.80	22.79	23.05	24
15	QPSK	36	20	22.77	22.83	22.99	
15	QPSK	36	39	22.61	22.74	23.06	
15	QPSK	75	0	22.64	22.76	22.97	24
15	16QAM	1	0	22.87	23.01	23.11	
15	16QAM	1	37	22.90	22.83	23.19	
15	16QAM	1	74	22.86	22.96	23.18	23
15	16QAM	36	0	21.63	21.61	21.94	
15	16QAM	36	20	21.66	21.79	21.92	
15	16QAM	36	39	21.68	21.68	22.04	23
15	16QAM	75	0	21.68	21.71	22.02	
15	64QAM	1	0	21.81	21.83	22.01	
15	64QAM	1	37	21.78	21.96	22.17	23
15	64QAM	1	74	21.76	21.92	22.20	
15	64QAM	36	0	20.65	20.70	20.92	
15	64QAM	36	20	20.67	20.83	21.00	22
15	64QAM	36	39	20.69	20.69	20.99	
15	64QAM	75	0	20.68	20.72	20.96	
15	256QAM	1	0	19.22	19.29	19.05	20
15	256QAM	1	37	19.21	19.06	19.04	
15	256QAM	1	74	19.21	19.17	19.17	
15	256QAM	36	0	19.21	19.13	19.17	20
15	256QAM	36	20	19.13	19.22	19.17	



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15	256QAM	36	39	19.29	19.16	19.27	Tune-up limit (dBm)
15	256QAM	75	0	19.17	19.14	19.20	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	23.59	23.60	23.89	25
10	QPSK	1	25	23.55	23.56	23.83	
10	QPSK	1	49	23.54	23.62	23.87	
10	QPSK	25	0	22.79	22.86	23.04	24
10	QPSK	25	12	22.70	22.82	22.96	
10	QPSK	25	25	22.62	22.72	22.99	
10	QPSK	50	0	22.66	22.76	22.94	
10	16QAM	1	0	22.85	22.99	23.09	24
10	16QAM	1	25	22.91	22.90	23.25	
10	16QAM	1	49	22.89	22.99	23.22	
10	16QAM	25	0	21.69	21.68	21.97	23
10	16QAM	25	12	21.71	21.73	21.96	
10	16QAM	25	25	21.70	21.78	22.06	
10	16QAM	50	0	21.74	21.75	21.94	
10	64QAM	1	0	21.83	21.86	22.04	23
10	64QAM	1	25	21.75	21.90	22.24	
10	64QAM	1	49	21.72	21.93	22.10	
10	64QAM	25	0	20.63	20.66	20.90	22
10	64QAM	25	12	20.73	20.82	20.98	
10	64QAM	25	25	20.64	20.73	21.00	
10	64QAM	50	0	20.74	20.78	21.01	
10	256QAM	1	0	19.26	19.25	19.13	20
10	256QAM	1	25	19.21	19.02	19.09	
10	256QAM	1	49	19.26	19.14	19.17	
10	256QAM	25	0	19.22	19.09	19.18	20
10	256QAM	25	12	19.17	19.19	19.15	
10	256QAM	25	25	19.21	19.12	19.20	
10	256QAM	50	0	19.19	19.11	19.27	Tune-up limit (dBm)
Channel				26065	26340	26665	
Frequency (MHz)				1852.5	1880	1912.5	Tune-up limit (dBm)
5	QPSK	1	0	23.56	23.61	23.85	
5	QPSK	1	12	23.50	23.54	23.85	25
5	QPSK	1	24	23.56	23.65	23.78	
5	QPSK	12	0	22.80	22.80	23.00	24
5	QPSK	12	7	22.78	22.84	23.01	
5	QPSK	12	13	22.71	22.79	23.09	
5	QPSK	25	0	22.70	22.73	22.99	
5	16QAM	1	0	22.88	22.93	23.09	24
5	16QAM	1	12	22.91	22.84	23.24	
5	16QAM	1	24	22.91	22.89	23.17	
5	16QAM	12	0	21.64	21.71	21.92	23
5	16QAM	12	7	21.67	21.79	21.91	
5	16QAM	12	13	21.65	21.77	22.10	
5	16QAM	25	0	21.75	21.75	22.00	
5	64QAM	1	0	21.88	21.82	22.05	23
5	64QAM	1	12	21.82	21.91	22.17	
5	64QAM	1	24	21.77	21.96	22.16	
5	64QAM	12	0	20.65	20.67	20.88	22
5	64QAM	12	7	20.74	20.83	20.95	
5	64QAM	12	13	20.59	20.75	20.99	
5	64QAM	25	0	20.69	20.75	20.96	
5	256QAM	1	0	19.21	19.22	19.04	20
5	256QAM	1	12	19.22	19.02	19.03	
5	256QAM	1	24	19.23	19.14	19.19	
5	256QAM	12	0	19.19	19.12	19.25	20
5	256QAM	12	7	19.10	19.21	19.22	
5	256QAM	12	13	19.26	19.21	19.22	
5	256QAM	25	0	19.21	19.04	19.24	
Channel				26055	26340	26675	



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Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	23.54	23.63	23.89	25
3	QPSK	1	8	23.57	23.56	23.88	
3	QPSK	1	14	23.52	23.59	23.83	
3	QPSK	8	0	22.74	22.80	23.05	24
3	QPSK	8	4	22.76	22.77	23.03	
3	QPSK	8	7	22.71	22.76	23.09	
3	QPSK	15	0	22.69	22.78	23.00	
3	16QAM	1	0	22.86	23.02	23.13	24
3	16QAM	1	8	22.96	22.87	23.25	
3	16QAM	1	14	22.90	22.99	23.19	
3	16QAM	8	0	21.64	21.69	21.96	23
3	16QAM	8	4	21.70	21.73	21.96	
3	16QAM	8	7	21.72	21.71	22.06	
3	16QAM	15	0	21.73	21.81	22.00	
3	64QAM	1	0	21.80	21.83	22.03	23
3	64QAM	1	8	21.82	21.90	22.17	
3	64QAM	1	14	21.76	21.99	22.16	
3	64QAM	8	0	20.69	20.64	20.94	22
3	64QAM	8	4	20.65	20.82	21.00	
3	64QAM	8	7	20.61	20.71	21.03	
3	64QAM	15	0	20.66	20.72	20.99	
3	256QAM	1	0	19.18	19.24	19.06	20
3	256QAM	1	8	19.18	19.05	19.03	
3	256QAM	1	14	19.23	19.21	19.12	
3	256QAM	8	0	19.16	19.11	19.22	20
3	256QAM	8	4	19.12	19.13	19.21	
3	256QAM	8	7	19.20	19.13	19.22	
3	256QAM	15	0	19.16	19.04	19.17	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	23.54	23.61	23.89	25
1.4	QPSK	1	3	23.51	23.60	23.86	
1.4	QPSK	1	5	23.51	23.65	23.83	
1.4	QPSK	3	0	23.60	23.64	23.80	
1.4	QPSK	3	1	23.53	23.55	23.85	
1.4	QPSK	3	3	23.51	23.65	23.78	
1.4	QPSK	6	0	22.74	22.77	23.00	24
1.4	16QAM	1	0	22.88	22.98	23.16	24
1.4	16QAM	1	3	22.90	22.84	23.28	
1.4	16QAM	1	5	22.93	22.92	23.17	
1.4	16QAM	3	0	22.85	22.94	23.09	
1.4	16QAM	3	1	22.89	22.93	23.24	
1.4	16QAM	3	3	22.90	22.90	23.17	
1.4	16QAM	6	0	21.70	21.74	21.90	23
1.4	64QAM	1	0	21.88	21.86	22.01	23
1.4	64QAM	1	3	21.76	21.96	22.16	
1.4	64QAM	1	5	21.73	21.99	22.10	
1.4	64QAM	3	0	21.86	21.85	21.96	
1.4	64QAM	3	1	21.81	21.90	22.18	
1.4	64QAM	3	3	21.69	21.93	22.12	
1.4	64QAM	6	0	20.73	20.78	20.96	22
1.4	256QAM	1	0	19.22	19.21	19.10	20
1.4	256QAM	1	3	19.26	19.03	19.05	
1.4	256QAM	1	5	19.22	19.17	19.14	
1.4	256QAM	3	0	19.16	19.29	19.03	
1.4	256QAM	3	1	19.19	19.00	19.11	
1.4	256QAM	3	3	19.22	19.17	19.17	
1.4	256QAM	6	0	19.22	19.04	19.23	20



<LTE Band 25_Ant 1_DSI 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	23.62	23.66	23.90	
20	QPSK	1	49	23.59	23.63	23.89	24.1
20	QPSK	1	99	23.57	23.66	23.87	
20	QPSK	50	0	22.80	22.87	23.10	
20	QPSK	50	24	22.78	22.84	23.04	24
20	QPSK	50	50	22.71	22.79	23.09	
20	QPSK	100	0	22.74	22.80	23.01	
20	16QAM	1	0	22.92	23.02	23.18	24
20	16QAM	1	49	22.96	22.93	23.28	
20	16QAM	1	99	22.95	22.99	23.23	
20	16QAM	50	0	21.69	21.71	21.99	23
20	16QAM	50	24	21.76	21.80	22.00	
20	16QAM	50	50	21.75	21.78	22.11	
20	16QAM	100	0	21.75	21.81	22.02	23
20	64QAM	1	0	21.89	21.91	22.06	
20	64QAM	1	49	21.84	21.96	22.26	
20	64QAM	1	99	21.78	22.01	22.20	22
20	64QAM	50	0	20.72	20.74	20.98	
20	64QAM	50	24	20.75	20.84	21.01	
20	64QAM	50	50	20.69	20.78	21.07	20
20	64QAM	100	0	20.74	20.79	21.01	
20	256QAM	1	0	19.26	19.30	19.13	
20	256QAM	1	49	19.28	19.10	19.13	20
20	256QAM	1	99	19.26	19.22	19.22	
20	256QAM	50	0	19.25	19.18	19.26	
20	256QAM	50	24	19.18	19.22	19.22	20
20	256QAM	50	50	19.29	19.21	19.28	
20	256QAM	100	0	19.23	19.14	19.27	
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	23.59	23.64	23.82	
15	QPSK	1	37	23.54	23.53	23.83	24.1
15	QPSK	1	74	23.53	23.65	23.81	
15	QPSK	36	0	22.80	22.79	23.05	24
15	QPSK	36	20	22.77	22.83	22.99	
15	QPSK	36	39	22.61	22.74	23.06	
15	QPSK	75	0	22.64	22.76	22.97	24
15	16QAM	1	0	22.87	23.01	23.11	
15	16QAM	1	37	22.90	22.83	23.19	
15	16QAM	1	74	22.86	22.96	23.18	23
15	16QAM	36	0	21.63	21.61	21.94	
15	16QAM	36	20	21.66	21.79	21.92	
15	16QAM	36	39	21.68	21.68	22.04	23
15	16QAM	75	0	21.68	21.71	22.02	
15	64QAM	1	0	21.81	21.83	22.01	
15	64QAM	1	37	21.78	21.96	22.17	23
15	64QAM	1	74	21.76	21.92	22.20	
15	64QAM	36	0	20.65	20.70	20.92	22
15	64QAM	36	20	20.67	20.83	21.00	
15	64QAM	36	39	20.69	20.69	20.99	
15	64QAM	75	0	20.68	20.72	20.96	20
15	256QAM	1	0	19.22	19.29	19.05	
15	256QAM	1	37	19.21	19.06	19.04	
15	256QAM	1	74	19.21	19.17	19.17	20
15	256QAM	36	0	19.21	19.13	19.17	
15	256QAM	36	20	19.13	19.22	19.17	



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15	256QAM	36	39	19.29	19.16	19.27	Tune-up limit (dBm)
15	256QAM	75	0	19.17	19.14	19.20	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	23.59	23.60	23.89	24.1
10	QPSK	1	25	23.55	23.56	23.83	
10	QPSK	1	49	23.54	23.62	23.87	
10	QPSK	25	0	22.79	22.86	23.04	24
10	QPSK	25	12	22.70	22.82	22.96	
10	QPSK	25	25	22.62	22.72	22.99	
10	QPSK	50	0	22.66	22.76	22.94	
10	16QAM	1	0	22.85	22.99	23.09	24
10	16QAM	1	25	22.91	22.90	23.25	
10	16QAM	1	49	22.89	22.99	23.22	
10	16QAM	25	0	21.69	21.68	21.97	23
10	16QAM	25	12	21.71	21.73	21.96	
10	16QAM	25	25	21.70	21.78	22.06	
10	16QAM	50	0	21.74	21.75	21.94	
10	64QAM	1	0	21.83	21.86	22.04	23
10	64QAM	1	25	21.75	21.90	22.24	
10	64QAM	1	49	21.72	21.93	22.10	
10	64QAM	25	0	20.63	20.66	20.90	22
10	64QAM	25	12	20.73	20.82	20.98	
10	64QAM	25	25	20.64	20.73	21.00	
10	64QAM	50	0	20.74	20.78	21.01	
10	256QAM	1	0	19.26	19.25	19.13	20
10	256QAM	1	25	19.21	19.02	19.09	
10	256QAM	1	49	19.26	19.14	19.17	
10	256QAM	25	0	19.22	19.09	19.18	20
10	256QAM	25	12	19.17	19.19	19.15	
10	256QAM	25	25	19.21	19.12	19.20	
10	256QAM	50	0	19.19	19.11	19.27	Tune-up limit (dBm)
Channel				26065	26340	26665	
Frequency (MHz)				1852.5	1880	1912.5	Tune-up limit (dBm)
5	QPSK	1	0	23.56	23.61	23.85	
5	QPSK	1	12	23.50	23.54	23.85	24.1
5	QPSK	1	24	23.56	23.65	23.78	
5	QPSK	12	0	22.80	22.80	23.00	24
5	QPSK	12	7	22.78	22.84	23.01	
5	QPSK	12	13	22.71	22.79	23.09	
5	QPSK	25	0	22.70	22.73	22.99	
5	16QAM	1	0	22.88	22.93	23.09	24
5	16QAM	1	12	22.91	22.84	23.24	
5	16QAM	1	24	22.91	22.89	23.17	
5	16QAM	12	0	21.64	21.71	21.92	23
5	16QAM	12	7	21.67	21.79	21.91	
5	16QAM	12	13	21.65	21.77	22.10	
5	16QAM	25	0	21.75	21.75	22.00	
5	64QAM	1	0	21.88	21.82	22.05	23
5	64QAM	1	12	21.82	21.91	22.17	
5	64QAM	1	24	21.77	21.96	22.16	
5	64QAM	12	0	20.65	20.67	20.88	22
5	64QAM	12	7	20.74	20.83	20.95	
5	64QAM	12	13	20.59	20.75	20.99	
5	64QAM	25	0	20.69	20.75	20.96	
5	256QAM	1	0	19.21	19.22	19.04	20
5	256QAM	1	12	19.22	19.02	19.03	
5	256QAM	1	24	19.23	19.14	19.19	
5	256QAM	12	0	19.19	19.12	19.25	20
5	256QAM	12	7	19.10	19.21	19.22	
5	256QAM	12	13	19.26	19.21	19.22	
5	256QAM	25	0	19.21	19.04	19.24	
Channel				26055	26340	26675	



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Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	23.54	23.63	23.89	24.1
3	QPSK	1	8	23.57	23.56	23.88	
3	QPSK	1	14	23.52	23.59	23.83	
3	QPSK	8	0	22.74	22.80	23.05	24
3	QPSK	8	4	22.76	22.77	23.03	
3	QPSK	8	7	22.71	22.76	23.09	
3	QPSK	15	0	22.69	22.78	23.00	
3	16QAM	1	0	22.86	23.02	23.13	24
3	16QAM	1	8	22.96	22.87	23.25	
3	16QAM	1	14	22.90	22.99	23.19	
3	16QAM	8	0	21.64	21.69	21.96	23
3	16QAM	8	4	21.70	21.73	21.96	
3	16QAM	8	7	21.72	21.71	22.06	
3	16QAM	15	0	21.73	21.81	22.00	
3	64QAM	1	0	21.80	21.83	22.03	23
3	64QAM	1	8	21.82	21.90	22.17	
3	64QAM	1	14	21.76	21.99	22.16	
3	64QAM	8	0	20.69	20.64	20.94	22
3	64QAM	8	4	20.65	20.82	21.00	
3	64QAM	8	7	20.61	20.71	21.03	
3	64QAM	15	0	20.66	20.72	20.99	
3	256QAM	1	0	19.18	19.24	19.06	20
3	256QAM	1	8	19.18	19.05	19.03	
3	256QAM	1	14	19.23	19.21	19.12	
3	256QAM	8	0	19.16	19.11	19.22	20
3	256QAM	8	4	19.12	19.13	19.21	
3	256QAM	8	7	19.20	19.13	19.22	
3	256QAM	15	0	19.16	19.04	19.17	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	23.54	23.61	23.89	24.1
1.4	QPSK	1	3	23.51	23.60	23.86	
1.4	QPSK	1	5	23.51	23.65	23.83	
1.4	QPSK	3	0	23.60	23.64	23.80	
1.4	QPSK	3	1	23.53	23.55	23.85	
1.4	QPSK	3	3	23.51	23.65	23.78	
1.4	QPSK	6	0	22.74	22.77	23.00	24
1.4	16QAM	1	0	22.88	22.98	23.16	24
1.4	16QAM	1	3	22.90	22.84	23.28	
1.4	16QAM	1	5	22.93	22.92	23.17	
1.4	16QAM	3	0	22.85	22.94	23.09	
1.4	16QAM	3	1	22.89	22.93	23.24	
1.4	16QAM	3	3	22.90	22.90	23.17	
1.4	16QAM	6	0	21.70	21.74	21.90	23
1.4	64QAM	1	0	21.88	21.86	22.01	23
1.4	64QAM	1	3	21.76	21.96	22.16	
1.4	64QAM	1	5	21.73	21.99	22.10	
1.4	64QAM	3	0	21.86	21.85	21.96	
1.4	64QAM	3	1	21.81	21.90	22.18	
1.4	64QAM	3	3	21.69	21.93	22.12	
1.4	64QAM	6	0	20.73	20.78	20.96	22
1.4	256QAM	1	0	19.22	19.21	19.10	20
1.4	256QAM	1	3	19.26	19.03	19.05	
1.4	256QAM	1	5	19.22	19.17	19.14	
1.4	256QAM	3	0	19.16	19.29	19.03	
1.4	256QAM	3	1	19.19	19.00	19.11	
1.4	256QAM	3	3	19.22	19.17	19.17	
1.4	256QAM	6	0	19.22	19.04	19.23	20



<LTE Band 25_Ant 1_WiFi off_DSI 1>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	23.62	23.66	23.90	
20	QPSK	1	49	23.59	23.63	23.89	25
20	QPSK	1	99	23.57	23.66	23.87	
20	QPSK	50	0	22.80	22.87	23.10	
20	QPSK	50	24	22.78	22.84	23.04	24
20	QPSK	50	50	22.71	22.79	23.09	
20	QPSK	100	0	22.74	22.80	23.01	
20	16QAM	1	0	22.92	23.02	23.18	24
20	16QAM	1	49	22.96	22.93	23.28	
20	16QAM	1	99	22.95	22.99	23.23	
20	16QAM	50	0	21.69	21.71	21.99	23
20	16QAM	50	24	21.76	21.80	22.00	
20	16QAM	50	50	21.75	21.78	22.11	
20	16QAM	100	0	21.75	21.81	22.02	23
20	64QAM	1	0	21.89	21.91	22.06	
20	64QAM	1	49	21.84	21.96	22.26	
20	64QAM	1	99	21.78	22.01	22.20	22
20	64QAM	50	0	20.72	20.74	20.98	
20	64QAM	50	24	20.75	20.84	21.01	
20	64QAM	50	50	20.69	20.78	21.07	20
20	64QAM	100	0	20.74	20.79	21.01	
20	256QAM	1	0	19.26	19.30	19.13	
20	256QAM	1	49	19.28	19.10	19.13	20
20	256QAM	1	99	19.26	19.22	19.22	
20	256QAM	50	0	19.25	19.18	19.26	
20	256QAM	50	24	19.18	19.22	19.22	20
20	256QAM	50	50	19.29	19.21	19.28	
20	256QAM	100	0	19.23	19.14	19.27	
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	23.59	23.64	23.82	
15	QPSK	1	37	23.54	23.53	23.83	25
15	QPSK	1	74	23.53	23.65	23.81	
15	QPSK	36	0	22.80	22.79	23.05	24
15	QPSK	36	20	22.77	22.83	22.99	
15	QPSK	36	39	22.61	22.74	23.06	
15	QPSK	75	0	22.64	22.76	22.97	24
15	16QAM	1	0	22.87	23.01	23.11	
15	16QAM	1	37	22.90	22.83	23.19	
15	16QAM	1	74	22.86	22.96	23.18	23
15	16QAM	36	0	21.63	21.61	21.94	
15	16QAM	36	20	21.66	21.79	21.92	
15	16QAM	36	39	21.68	21.68	22.04	23
15	16QAM	75	0	21.68	21.71	22.02	
15	64QAM	1	0	21.81	21.83	22.01	
15	64QAM	1	37	21.78	21.96	22.17	23
15	64QAM	1	74	21.76	21.92	22.20	
15	64QAM	36	0	20.65	20.70	20.92	
15	64QAM	36	20	20.67	20.83	21.00	22
15	64QAM	36	39	20.69	20.69	20.99	
15	64QAM	75	0	20.68	20.72	20.96	
15	256QAM	1	0	19.22	19.29	19.05	20
15	256QAM	1	37	19.21	19.06	19.04	
15	256QAM	1	74	19.21	19.17	19.17	
15	256QAM	36	0	19.21	19.13	19.17	20
15	256QAM	36	20	19.13	19.22	19.17	



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15	256QAM	36	39	19.29	19.16	19.27	Tune-up limit (dBm)
15	256QAM	75	0	19.17	19.14	19.20	
Channel				26090	26340	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	23.59	23.60	23.89	25
10	QPSK	1	25	23.55	23.56	23.83	
10	QPSK	1	49	23.54	23.62	23.87	
10	QPSK	25	0	22.79	22.86	23.04	24
10	QPSK	25	12	22.70	22.82	22.96	
10	QPSK	25	25	22.62	22.72	22.99	
10	QPSK	50	0	22.66	22.76	22.94	
10	16QAM	1	0	22.85	22.99	23.09	24
10	16QAM	1	25	22.91	22.90	23.25	
10	16QAM	1	49	22.89	22.99	23.22	
10	16QAM	25	0	21.69	21.68	21.97	23
10	16QAM	25	12	21.71	21.73	21.96	
10	16QAM	25	25	21.70	21.78	22.06	
10	16QAM	50	0	21.74	21.75	21.94	
10	64QAM	1	0	21.83	21.86	22.04	23
10	64QAM	1	25	21.75	21.90	22.24	
10	64QAM	1	49	21.72	21.93	22.10	
10	64QAM	25	0	20.63	20.66	20.90	22
10	64QAM	25	12	20.73	20.82	20.98	
10	64QAM	25	25	20.64	20.73	21.00	
10	64QAM	50	0	20.74	20.78	21.01	
10	256QAM	1	0	19.26	19.25	19.13	20
10	256QAM	1	25	19.21	19.02	19.09	
10	256QAM	1	49	19.26	19.14	19.17	
10	256QAM	25	0	19.22	19.09	19.18	20
10	256QAM	25	12	19.17	19.19	19.15	
10	256QAM	25	25	19.21	19.12	19.20	
10	256QAM	50	0	19.19	19.11	19.27	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	23.56	23.61	23.85	25
5	QPSK	1	12	23.50	23.54	23.85	
5	QPSK	1	24	23.56	23.65	23.78	
5	QPSK	12	0	22.80	22.80	23.00	24
5	QPSK	12	7	22.78	22.84	23.01	
5	QPSK	12	13	22.71	22.79	23.09	
5	QPSK	25	0	22.70	22.73	22.99	
5	16QAM	1	0	22.88	22.93	23.09	24
5	16QAM	1	12	22.91	22.84	23.24	
5	16QAM	1	24	22.91	22.89	23.17	
5	16QAM	12	0	21.64	21.71	21.92	23
5	16QAM	12	7	21.67	21.79	21.91	
5	16QAM	12	13	21.65	21.77	22.10	
5	16QAM	25	0	21.75	21.75	22.00	
5	64QAM	1	0	21.88	21.82	22.05	23
5	64QAM	1	12	21.82	21.91	22.17	
5	64QAM	1	24	21.77	21.96	22.16	
5	64QAM	12	0	20.65	20.67	20.88	22
5	64QAM	12	7	20.74	20.83	20.95	
5	64QAM	12	13	20.59	20.75	20.99	
5	64QAM	25	0	20.69	20.75	20.96	
5	256QAM	1	0	19.21	19.22	19.04	20
5	256QAM	1	12	19.22	19.02	19.03	
5	256QAM	1	24	19.23	19.14	19.19	
5	256QAM	12	0	19.19	19.12	19.25	20
5	256QAM	12	7	19.10	19.21	19.22	
5	256QAM	12	13	19.26	19.21	19.22	
5	256QAM	25	0	19.21	19.04	19.24	
Channel				26055	26340	26675	



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Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	23.54	23.63	23.89	25
3	QPSK	1	8	23.57	23.56	23.88	
3	QPSK	1	14	23.52	23.59	23.83	
3	QPSK	8	0	22.74	22.80	23.05	24
3	QPSK	8	4	22.76	22.77	23.03	
3	QPSK	8	7	22.71	22.76	23.09	
3	QPSK	15	0	22.69	22.78	23.00	
3	16QAM	1	0	22.86	23.02	23.13	24
3	16QAM	1	8	22.96	22.87	23.25	
3	16QAM	1	14	22.90	22.99	23.19	
3	16QAM	8	0	21.64	21.69	21.96	23
3	16QAM	8	4	21.70	21.73	21.96	
3	16QAM	8	7	21.72	21.71	22.06	
3	16QAM	15	0	21.73	21.81	22.00	
3	64QAM	1	0	21.80	21.83	22.03	23
3	64QAM	1	8	21.82	21.90	22.17	
3	64QAM	1	14	21.76	21.99	22.16	
3	64QAM	8	0	20.69	20.64	20.94	22
3	64QAM	8	4	20.65	20.82	21.00	
3	64QAM	8	7	20.61	20.71	21.03	
3	64QAM	15	0	20.66	20.72	20.99	
3	256QAM	1	0	19.18	19.24	19.06	20
3	256QAM	1	8	19.18	19.05	19.03	
3	256QAM	1	14	19.23	19.21	19.12	
3	256QAM	8	0	19.16	19.11	19.22	20
3	256QAM	8	4	19.12	19.13	19.21	
3	256QAM	8	7	19.20	19.13	19.22	
3	256QAM	15	0	19.16	19.04	19.17	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	23.54	23.61	23.89	25
1.4	QPSK	1	3	23.51	23.60	23.86	
1.4	QPSK	1	5	23.51	23.65	23.83	
1.4	QPSK	3	0	23.60	23.64	23.80	
1.4	QPSK	3	1	23.53	23.55	23.85	
1.4	QPSK	3	3	23.51	23.65	23.78	
1.4	QPSK	6	0	22.74	22.77	23.00	24
1.4	16QAM	1	0	22.88	22.98	23.16	24
1.4	16QAM	1	3	22.90	22.84	23.28	
1.4	16QAM	1	5	22.93	22.92	23.17	
1.4	16QAM	3	0	22.85	22.94	23.09	
1.4	16QAM	3	1	22.89	22.93	23.24	
1.4	16QAM	3	3	22.90	22.90	23.17	
1.4	16QAM	6	0	21.70	21.74	21.90	23
1.4	64QAM	1	0	21.88	21.86	22.01	23
1.4	64QAM	1	3	21.76	21.96	22.16	
1.4	64QAM	1	5	21.73	21.99	22.10	
1.4	64QAM	3	0	21.86	21.85	21.96	
1.4	64QAM	3	1	21.81	21.90	22.18	
1.4	64QAM	3	3	21.69	21.93	22.12	
1.4	64QAM	6	0	20.73	20.78	20.96	22
1.4	256QAM	1	0	19.22	19.21	19.10	20
1.4	256QAM	1	3	19.26	19.03	19.05	
1.4	256QAM	1	5	19.22	19.17	19.14	
1.4	256QAM	3	0	19.16	19.29	19.03	
1.4	256QAM	3	1	19.19	19.00	19.11	
1.4	256QAM	3	3	19.22	19.17	19.17	
1.4	256QAM	6	0	19.22	19.04	19.23	20



<LTE Band 26_Ant 1_DSI 0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	23.49	24.01	23.22	
15	QPSK	1	37	23.56	23.45	23.98	24.5
15	QPSK	1	74	23.45	23.44	23.16	
15	QPSK	36	0	22.26	22.99	22.65	
15	QPSK	36	20	22.56	22.50	22.96	23.5
15	QPSK	36	39	22.90	22.98	22.81	
15	QPSK	75	0	22.64	22.76	22.75	
15	16QAM	1	0	23.08	23.31	22.61	23.5
15	16QAM	1	37	22.96	22.86	23.28	
15	16QAM	1	74	22.89	22.80	22.50	
15	16QAM	36	0	21.40	21.93	21.76	22.5
15	16QAM	36	20	21.72	21.55	22.08	
15	16QAM	36	39	22.06	21.46	21.92	
15	16QAM	75	0	21.73	21.76	21.88	22.5
15	64QAM	1	0	21.88	22.33	21.44	
15	64QAM	1	37	21.81	21.72	22.13	
15	64QAM	1	74	21.80	21.72	21.43	21.5
15	64QAM	36	0	20.48	20.95	20.76	
15	64QAM	36	20	20.71	20.53	21.01	
15	64QAM	36	39	21.07	20.51	20.91	19.5
15	64QAM	75	0	20.76	20.69	20.91	
15	256QAM	1	0	19.08	19.26	19.18	
15	256QAM	1	37	19.13	19.22	19.09	19.5
15	256QAM	1	74	19.25	19.26	19.12	
15	256QAM	36	0	19.07	19.11	19.15	
15	256QAM	36	20	19.23	19.11	19.24	19.5
15	256QAM	36	39	19.19	19.06	19.13	
15	256QAM	75	0	19.23	19.18	19.21	
Channel				26740	26865	26990	
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	23.48	23.95	23.17	
10	QPSK	1	25	23.54	23.42	23.89	24.5
10	QPSK	1	49	23.40	23.37	23.11	
10	QPSK	25	0	22.24	22.99	22.55	
10	QPSK	25	12	22.52	22.43	22.94	23.5
10	QPSK	25	25	22.87	22.88	22.74	
10	QPSK	50	0	22.57	22.67	22.73	
10	16QAM	1	0	23.06	23.23	22.61	23.5
10	16QAM	1	25	22.93	22.78	23.24	
10	16QAM	1	49	22.81	22.74	22.41	
10	16QAM	25	0	21.36	21.91	21.73	22.5
10	16QAM	25	12	21.64	21.55	21.99	
10	16QAM	25	25	21.96	21.46	21.85	
10	16QAM	50	0	21.69	21.71	21.78	22.5
10	64QAM	1	0	21.85	22.28	21.37	
10	64QAM	1	25	21.76	21.72	22.11	
10	64QAM	1	49	21.71	21.63	21.34	21.5
10	64QAM	25	0	20.40	20.85	20.67	
10	64QAM	25	12	20.69	20.43	21.01	
10	64QAM	25	25	20.99	20.45	20.87	19.5
10	64QAM	50	0	20.72	20.66	20.82	
10	256QAM	1	0	19.01	19.19	19.11	
10	256QAM	1	25	19.10	19.14	19.01	19.5
10	256QAM	1	49	19.17	19.21	19.03	
10	256QAM	25	0	19.07	19.02	19.07	
10	256QAM	25	12	19.23	19.11	19.14	



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10	256QAM	25	25	19.09	18.99	19.06	Tune-up limit (dBm)
10	256QAM	50	0	19.18	19.12	19.20	
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	23.49	24.00	23.13	24.5
5	QPSK	1	12	23.50	23.41	23.90	
5	QPSK	1	24	23.41	23.34	23.11	
5	QPSK	12	0	22.22	22.98	22.56	23.5
5	QPSK	12	7	22.47	22.40	22.91	
5	QPSK	12	13	22.87	22.94	22.78	
5	QPSK	25	0	22.56	22.73	22.75	23.5
5	16QAM	1	0	23.05	23.28	22.57	
5	16QAM	1	12	22.92	22.76	23.20	
5	16QAM	1	24	22.89	22.76	22.47	22.5
5	16QAM	12	0	21.37	21.85	21.72	
5	16QAM	12	7	21.67	21.47	22.03	
5	16QAM	12	13	22.06	21.38	21.88	22.5
5	16QAM	25	0	21.68	21.74	21.84	
5	64QAM	1	0	21.83	22.30	21.39	
5	64QAM	1	12	21.79	21.64	22.13	22.5
5	64QAM	1	24	21.76	21.62	21.43	
5	64QAM	12	0	20.44	20.89	20.73	21.5
5	64QAM	12	7	20.61	20.50	21.00	
5	64QAM	12	13	20.98	20.48	20.90	
5	64QAM	25	0	20.72	20.64	20.83	19.5
5	256QAM	1	0	19.06	19.23	19.14	
5	256QAM	1	12	19.13	19.16	19.09	
5	256QAM	1	24	19.24	19.17	19.10	19.5
5	256QAM	12	0	19.05	19.08	19.15	
5	256QAM	12	7	19.20	19.04	19.19	
5	256QAM	12	13	19.12	18.96	19.04	19.5
5	256QAM	25	0	19.15	19.18	19.11	
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	23.44	23.93	23.17	24.5
3	QPSK	1	8	23.56	23.40	23.95	
3	QPSK	1	14	23.45	23.35	23.16	
3	QPSK	8	0	22.16	22.96	22.55	23.5
3	QPSK	8	4	22.55	22.42	22.88	
3	QPSK	8	7	22.88	22.98	22.78	
3	QPSK	15	0	22.56	22.75	22.68	23.5
3	16QAM	1	0	23.02	23.28	22.57	
3	16QAM	1	8	22.96	22.86	23.20	
3	16QAM	1	14	22.81	22.74	22.45	22.5
3	16QAM	8	0	21.35	21.83	21.70	
3	16QAM	8	4	21.64	21.52	22.06	
3	16QAM	8	7	22.01	21.37	21.83	22.5
3	16QAM	15	0	21.63	21.72	21.84	
3	64QAM	1	0	21.80	22.27	21.36	
3	64QAM	1	8	21.81	21.64	22.10	22.5
3	64QAM	1	14	21.76	21.72	21.36	
3	64QAM	8	0	20.41	20.90	20.66	21.5
3	64QAM	8	4	20.71	20.48	20.97	
3	64QAM	8	7	21.02	20.41	20.81	
3	64QAM	15	0	20.73	20.65	20.81	19.5
3	256QAM	1	0	19.01	19.17	19.13	
3	256QAM	1	8	19.08	19.16	19.02	
3	256QAM	1	14	19.17	19.25	19.12	19.5
3	256QAM	8	0	19.07	19.08	19.08	
3	256QAM	8	4	19.18	19.09	19.22	
3	256QAM	8	7	19.11	19.05	19.06	19.5
3	256QAM	15	0	19.22	19.08	19.15	
Channel				26697	26865	27033	



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Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	23.48	23.91	23.18	24.5
1.4	QPSK	1	3	23.50	23.37	23.95	
1.4	QPSK	1	5	23.40	23.37	23.11	
1.4	QPSK	3	0	23.42	24.00	23.15	
1.4	QPSK	3	1	23.52	23.44	23.88	
1.4	QPSK	3	3	23.45	23.41	23.15	
1.4	QPSK	6	0	22.57	22.71	22.69	23.5
1.4	16QAM	1	0	23.06	23.26	22.61	23.5
1.4	16QAM	1	3	22.86	22.82	23.20	
1.4	16QAM	1	5	22.84	22.79	22.47	
1.4	16QAM	3	0	23.01	23.24	22.55	
1.4	16QAM	3	1	22.87	22.80	23.20	
1.4	16QAM	3	3	22.89	22.73	22.42	
1.4	16QAM	6	0	21.66	21.68	21.82	22.5
1.4	64QAM	1	0	21.80	22.26	21.41	22.5
1.4	64QAM	1	3	21.77	21.67	22.12	
1.4	64QAM	1	5	21.78	21.68	21.35	
1.4	64QAM	3	0	21.82	22.25	21.42	
1.4	64QAM	3	1	21.75	21.62	22.03	
1.4	64QAM	3	3	21.74	21.67	21.34	
1.4	64QAM	6	0	20.76	20.62	20.81	21.5
1.4	256QAM	1	0	19.07	19.25	19.17	19.5
1.4	256QAM	1	3	19.09	19.12	19.00	
1.4	256QAM	1	5	19.24	19.23	19.12	
1.4	256QAM	3	0	19.01	19.25	19.15	
1.4	256QAM	3	1	19.03	19.16	19.04	
1.4	256QAM	3	3	19.17	19.17	19.07	
1.4	256QAM	6	0	19.23	19.11	19.16	19.5



<LTE Band 26_Ant 1_DSI 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	23.49	24.01	23.22	
15	QPSK	1	37	23.56	23.45	23.98	24.5
15	QPSK	1	74	23.45	23.44	23.16	
15	QPSK	36	0	22.26	22.99	22.65	
15	QPSK	36	20	22.56	22.50	22.96	23.5
15	QPSK	36	39	22.90	22.98	22.81	
15	QPSK	75	0	22.64	22.76	22.75	
15	16QAM	1	0	23.08	23.31	22.61	23.5
15	16QAM	1	37	22.96	22.86	23.28	
15	16QAM	1	74	22.89	22.80	22.50	
15	16QAM	36	0	21.40	21.93	21.76	22.5
15	16QAM	36	20	21.72	21.55	22.08	
15	16QAM	36	39	22.06	21.46	21.92	
15	16QAM	75	0	21.73	21.76	21.88	22.5
15	64QAM	1	0	21.88	22.33	21.44	
15	64QAM	1	37	21.81	21.72	22.13	
15	64QAM	1	74	21.80	21.72	21.43	21.5
15	64QAM	36	0	20.48	20.95	20.76	
15	64QAM	36	20	20.71	20.53	21.01	
15	64QAM	36	39	21.07	20.51	20.91	19.5
15	64QAM	75	0	20.76	20.69	20.91	
15	256QAM	1	0	19.08	19.26	19.18	
15	256QAM	1	37	19.13	19.22	19.09	19.5
15	256QAM	1	74	19.25	19.26	19.12	
15	256QAM	36	0	19.07	19.11	19.15	
15	256QAM	36	20	19.23	19.11	19.24	19.5
15	256QAM	36	39	19.19	19.06	19.13	
15	256QAM	75	0	19.23	19.18	19.21	
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	23.48	23.95	23.17	
10	QPSK	1	25	23.54	23.42	23.89	24.5
10	QPSK	1	49	23.40	23.37	23.11	
10	QPSK	25	0	22.24	22.99	22.55	23.5
10	QPSK	25	12	22.52	22.43	22.94	
10	QPSK	25	25	22.87	22.88	22.74	
10	QPSK	50	0	22.57	22.67	22.73	23.5
10	16QAM	1	0	23.06	23.23	22.61	
10	16QAM	1	25	22.93	22.78	23.24	
10	16QAM	1	49	22.81	22.74	22.41	22.5
10	16QAM	25	0	21.36	21.91	21.73	
10	16QAM	25	12	21.64	21.55	21.99	
10	16QAM	25	25	21.96	21.46	21.85	22.5
10	16QAM	50	0	21.69	21.71	21.78	
10	64QAM	1	0	21.85	22.28	21.37	
10	64QAM	1	25	21.76	21.72	22.11	22.5
10	64QAM	1	49	21.71	21.63	21.34	
10	64QAM	25	0	20.40	20.85	20.67	
10	64QAM	25	12	20.69	20.43	21.01	21.5
10	64QAM	25	25	20.99	20.45	20.87	
10	64QAM	50	0	20.72	20.66	20.82	
10	256QAM	1	0	19.01	19.19	19.11	19.5
10	256QAM	1	25	19.10	19.14	19.01	
10	256QAM	1	49	19.17	19.21	19.03	
10	256QAM	25	0	19.07	19.02	19.07	19.5
10	256QAM	25	12	19.23	19.11	19.14	



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10	256QAM	25	25	19.09	18.99	19.06	
10	256QAM	50	0	19.18	19.12	19.20	
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	23.49	24.00	23.13	24.5
5	QPSK	1	12	23.50	23.41	23.90	
5	QPSK	1	24	23.41	23.34	23.11	
5	QPSK	12	0	22.22	22.98	22.56	23.5
5	QPSK	12	7	22.47	22.40	22.91	
5	QPSK	12	13	22.87	22.94	22.78	
5	QPSK	25	0	22.56	22.73	22.75	23.5
5	16QAM	1	0	23.05	23.28	22.57	
5	16QAM	1	12	22.92	22.76	23.20	
5	16QAM	1	24	22.89	22.76	22.47	22.5
5	16QAM	12	0	21.37	21.85	21.72	
5	16QAM	12	7	21.67	21.47	22.03	
5	16QAM	12	13	22.06	21.38	21.88	22.5
5	16QAM	25	0	21.68	21.74	21.84	
5	64QAM	1	0	21.83	22.30	21.39	
5	64QAM	1	12	21.79	21.64	22.13	22.5
5	64QAM	1	24	21.76	21.62	21.43	
5	64QAM	12	0	20.44	20.89	20.73	21.5
5	64QAM	12	7	20.61	20.50	21.00	
5	64QAM	12	13	20.98	20.48	20.90	
5	64QAM	25	0	20.72	20.64	20.83	19.5
5	256QAM	1	0	19.06	19.23	19.14	
5	256QAM	1	12	19.13	19.16	19.09	
5	256QAM	1	24	19.24	19.17	19.10	19.5
5	256QAM	12	0	19.05	19.08	19.15	
5	256QAM	12	7	19.20	19.04	19.19	
5	256QAM	12	13	19.12	18.96	19.04	19.5
5	256QAM	25	0	19.15	19.18	19.11	
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	23.44	23.93	23.17	24.5
3	QPSK	1	8	23.56	23.40	23.95	
3	QPSK	1	14	23.45	23.35	23.16	
3	QPSK	8	0	22.16	22.96	22.55	23.5
3	QPSK	8	4	22.55	22.42	22.88	
3	QPSK	8	7	22.88	22.98	22.78	
3	QPSK	15	0	22.56	22.75	22.68	23.5
3	16QAM	1	0	23.02	23.28	22.57	
3	16QAM	1	8	22.96	22.86	23.20	
3	16QAM	1	14	22.81	22.74	22.45	22.5
3	16QAM	8	0	21.35	21.83	21.70	
3	16QAM	8	4	21.64	21.52	22.06	
3	16QAM	8	7	22.01	21.37	21.83	22.5
3	16QAM	15	0	21.63	21.72	21.84	
3	64QAM	1	0	21.80	22.27	21.36	
3	64QAM	1	8	21.81	21.64	22.10	22.5
3	64QAM	1	14	21.76	21.72	21.36	
3	64QAM	8	0	20.41	20.90	20.66	
3	64QAM	8	4	20.71	20.48	20.97	21.5
3	64QAM	8	7	21.02	20.41	20.81	
3	64QAM	15	0	20.73	20.65	20.81	
3	256QAM	1	0	19.01	19.17	19.13	19.5
3	256QAM	1	8	19.08	19.16	19.02	
3	256QAM	1	14	19.17	19.25	19.12	
3	256QAM	8	0	19.07	19.08	19.08	19.5
3	256QAM	8	4	19.18	19.09	19.22	
3	256QAM	8	7	19.11	19.05	19.06	
3	256QAM	15	0	19.22	19.08	19.15	
Channel				26697	26865	27033	



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Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	23.48	23.91	23.18	24.5
1.4	QPSK	1	3	23.50	23.37	23.95	
1.4	QPSK	1	5	23.40	23.37	23.11	
1.4	QPSK	3	0	23.42	24.00	23.15	
1.4	QPSK	3	1	23.52	23.44	23.88	
1.4	QPSK	3	3	23.45	23.41	23.15	
1.4	QPSK	6	0	22.57	22.71	22.69	23.5
1.4	16QAM	1	0	23.06	23.26	22.61	23.5
1.4	16QAM	1	3	22.86	22.82	23.20	
1.4	16QAM	1	5	22.84	22.79	22.47	
1.4	16QAM	3	0	23.01	23.24	22.55	
1.4	16QAM	3	1	22.87	22.80	23.20	
1.4	16QAM	3	3	22.89	22.73	22.42	
1.4	16QAM	6	0	21.66	21.68	21.82	22.5
1.4	64QAM	1	0	21.80	22.26	21.41	22.5
1.4	64QAM	1	3	21.77	21.67	22.12	
1.4	64QAM	1	5	21.78	21.68	21.35	
1.4	64QAM	3	0	21.82	22.25	21.42	
1.4	64QAM	3	1	21.75	21.62	22.03	
1.4	64QAM	3	3	21.74	21.67	21.34	
1.4	64QAM	6	0	20.76	20.62	20.81	21.5
1.4	256QAM	1	0	19.07	19.25	19.17	19.5
1.4	256QAM	1	3	19.09	19.12	19.00	
1.4	256QAM	1	5	19.24	19.23	19.12	
1.4	256QAM	3	0	19.01	19.25	19.15	
1.4	256QAM	3	1	19.03	19.16	19.04	
1.4	256QAM	3	3	19.17	19.17	19.07	
1.4	256QAM	6	0	19.23	19.11	19.16	19.5



<LTE Band 26_Ant 1_WiFi off_DSI 1>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	23.49	24.01	23.22	
15	QPSK	1	37	23.56	23.45	23.98	24.5
15	QPSK	1	74	23.45	23.44	23.16	
15	QPSK	36	0	22.26	22.99	22.65	
15	QPSK	36	20	22.56	22.50	22.96	23.5
15	QPSK	36	39	22.90	22.98	22.81	
15	QPSK	75	0	22.64	22.76	22.75	
15	16QAM	1	0	23.08	23.31	22.61	23.5
15	16QAM	1	37	22.96	22.86	23.28	
15	16QAM	1	74	22.89	22.80	22.50	
15	16QAM	36	0	21.40	21.93	21.76	22.5
15	16QAM	36	20	21.72	21.55	22.08	
15	16QAM	36	39	22.06	21.46	21.92	
15	16QAM	75	0	21.73	21.76	21.88	22.5
15	64QAM	1	0	21.88	22.33	21.44	
15	64QAM	1	37	21.81	21.72	22.13	
15	64QAM	1	74	21.80	21.72	21.43	21.5
15	64QAM	36	0	20.48	20.95	20.76	
15	64QAM	36	20	20.71	20.53	21.01	
15	64QAM	36	39	21.07	20.51	20.91	19.5
15	64QAM	75	0	20.76	20.69	20.91	
15	256QAM	1	0	19.08	19.26	19.18	
15	256QAM	1	37	19.13	19.22	19.09	19.5
15	256QAM	1	74	19.25	19.26	19.12	
15	256QAM	36	0	19.07	19.11	19.15	
15	256QAM	36	20	19.23	19.11	19.24	19.5
15	256QAM	36	39	19.19	19.06	19.13	
15	256QAM	75	0	19.23	19.18	19.21	
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	23.48	23.95	23.17	
10	QPSK	1	25	23.54	23.42	23.89	24.5
10	QPSK	1	49	23.40	23.37	23.11	
10	QPSK	25	0	22.24	22.99	22.55	
10	QPSK	25	12	22.52	22.43	22.94	23.5
10	QPSK	25	25	22.87	22.88	22.74	
10	QPSK	50	0	22.57	22.67	22.73	
10	16QAM	1	0	23.06	23.23	22.61	23.5
10	16QAM	1	25	22.93	22.78	23.24	
10	16QAM	1	49	22.81	22.74	22.41	
10	16QAM	25	0	21.36	21.91	21.73	22.5
10	16QAM	25	12	21.64	21.55	21.99	
10	16QAM	25	25	21.96	21.46	21.85	
10	16QAM	50	0	21.69	21.71	21.78	22.5
10	64QAM	1	0	21.85	22.28	21.37	
10	64QAM	1	25	21.76	21.72	22.11	
10	64QAM	1	49	21.71	21.63	21.34	21.5
10	64QAM	25	0	20.40	20.85	20.67	
10	64QAM	25	12	20.69	20.43	21.01	
10	64QAM	25	25	20.99	20.45	20.87	19.5
10	64QAM	50	0	20.72	20.66	20.82	
10	256QAM	1	0	19.01	19.19	19.11	
10	256QAM	1	25	19.10	19.14	19.01	19.5
10	256QAM	1	49	19.17	19.21	19.03	
10	256QAM	25	0	19.07	19.02	19.07	
10	256QAM	25	12	19.23	19.11	19.14	



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10	256QAM	25	25	19.09	18.99	19.06	Tune-up limit (dBm)
10	256QAM	50	0	19.18	19.12	19.20	
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	23.49	24.00	23.13	24.5
5	QPSK	1	12	23.50	23.41	23.90	
5	QPSK	1	24	23.41	23.34	23.11	
5	QPSK	12	0	22.22	22.98	22.56	23.5
5	QPSK	12	7	22.47	22.40	22.91	
5	QPSK	12	13	22.87	22.94	22.78	
5	QPSK	25	0	22.56	22.73	22.75	23.5
5	16QAM	1	0	23.05	23.28	22.57	
5	16QAM	1	12	22.92	22.76	23.20	
5	16QAM	1	24	22.89	22.76	22.47	22.5
5	16QAM	12	0	21.37	21.85	21.72	
5	16QAM	12	7	21.67	21.47	22.03	
5	16QAM	12	13	22.06	21.38	21.88	22.5
5	16QAM	25	0	21.68	21.74	21.84	
5	64QAM	1	0	21.83	22.30	21.39	
5	64QAM	1	12	21.79	21.64	22.13	21.5
5	64QAM	1	24	21.76	21.62	21.43	
5	64QAM	12	0	20.44	20.89	20.73	
5	64QAM	12	7	20.61	20.50	21.00	21.5
5	64QAM	12	13	20.98	20.48	20.90	
5	64QAM	25	0	20.72	20.64	20.83	
5	256QAM	1	0	19.06	19.23	19.14	19.5
5	256QAM	1	12	19.13	19.16	19.09	
5	256QAM	1	24	19.24	19.17	19.10	
5	256QAM	12	0	19.05	19.08	19.15	19.5
5	256QAM	12	7	19.20	19.04	19.19	
5	256QAM	12	13	19.12	18.96	19.04	
5	256QAM	25	0	19.15	19.18	19.11	Tune-up limit (dBm)
Channel				26705	26865	27025	
Frequency (MHz)				815.5	831.5	847.5	Tune-up limit (dBm)
3	QPSK	1	0	23.44	23.93	23.17	
3	QPSK	1	8	23.56	23.40	23.95	24.5
3	QPSK	1	14	23.45	23.35	23.16	
3	QPSK	8	0	22.16	22.96	22.55	
3	QPSK	8	4	22.55	22.42	22.88	23.5
3	QPSK	8	7	22.88	22.98	22.78	
3	QPSK	15	0	22.56	22.75	22.68	
3	16QAM	1	0	23.02	23.28	22.57	23.5
3	16QAM	1	8	22.96	22.86	23.20	
3	16QAM	1	14	22.81	22.74	22.45	
3	16QAM	8	0	21.35	21.83	21.70	22.5
3	16QAM	8	4	21.64	21.52	22.06	
3	16QAM	8	7	22.01	21.37	21.83	
3	16QAM	15	0	21.63	21.72	21.84	22.5
3	64QAM	1	0	21.80	22.27	21.36	
3	64QAM	1	8	21.81	21.64	22.10	
3	64QAM	1	14	21.76	21.72	21.36	21.5
3	64QAM	8	0	20.41	20.90	20.66	
3	64QAM	8	4	20.71	20.48	20.97	
3	64QAM	8	7	21.02	20.41	20.81	19.5
3	64QAM	15	0	20.73	20.65	20.81	
3	256QAM	1	0	19.01	19.17	19.13	
3	256QAM	1	8	19.08	19.16	19.02	19.5
3	256QAM	1	14	19.17	19.25	19.12	
3	256QAM	8	0	19.07	19.08	19.08	
3	256QAM	8	4	19.18	19.09	19.22	19.5
3	256QAM	8	7	19.11	19.05	19.06	
3	256QAM	15	0	19.22	19.08	19.15	
Channel				26697	26865	27033	



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Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	23.48	23.91	23.18	24.5
1.4	QPSK	1	3	23.50	23.37	23.95	
1.4	QPSK	1	5	23.40	23.37	23.11	
1.4	QPSK	3	0	23.42	24.00	23.15	
1.4	QPSK	3	1	23.52	23.44	23.88	
1.4	QPSK	3	3	23.45	23.41	23.15	
1.4	QPSK	6	0	22.57	22.71	22.69	23.5
1.4	16QAM	1	0	23.06	23.26	22.61	23.5
1.4	16QAM	1	3	22.86	22.82	23.20	
1.4	16QAM	1	5	22.84	22.79	22.47	
1.4	16QAM	3	0	23.01	23.24	22.55	
1.4	16QAM	3	1	22.87	22.80	23.20	
1.4	16QAM	3	3	22.89	22.73	22.42	
1.4	16QAM	6	0	21.66	21.68	21.82	22.5
1.4	64QAM	1	0	21.80	22.26	21.41	22.5
1.4	64QAM	1	3	21.77	21.67	22.12	
1.4	64QAM	1	5	21.78	21.68	21.35	
1.4	64QAM	3	0	21.82	22.25	21.42	
1.4	64QAM	3	1	21.75	21.62	22.03	
1.4	64QAM	3	3	21.74	21.67	21.34	
1.4	64QAM	6	0	20.76	20.62	20.81	21.5
1.4	256QAM	1	0	19.07	19.25	19.17	19.5
1.4	256QAM	1	3	19.09	19.12	19.00	
1.4	256QAM	1	5	19.24	19.23	19.12	
1.4	256QAM	3	0	19.01	19.25	19.15	
1.4	256QAM	3	1	19.03	19.16	19.04	
1.4	256QAM	3	3	19.17	19.17	19.07	
1.4	256QAM	6	0	19.23	19.11	19.16	19.5



FCC SAR TEST REPORT

Report No. : FA3N2802B

<LTE Band 30_Ant 5_DSI 0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				27710			
Frequency (MHz)				2310			
10	QPSK	1	0		22.25		22.5
10	QPSK	1	25		22.25		
10	QPSK	1	49		22.18		
10	QPSK	25	0		21.23		21.5
10	QPSK	25	12		21.27		
10	QPSK	25	25		21.25		
10	QPSK	50	0		21.24		21.5
10	16QAM	1	0		21.43		
10	16QAM	1	25		21.45		
10	16QAM	1	49		21.48		20.5
10	16QAM	25	0		20.26		
10	16QAM	25	12		20.30		
10	16QAM	25	25		20.27		20.5
10	16QAM	50	0		20.26		
10	64QAM	1	0		20.42		
10	64QAM	1	25		20.43		20.5
10	64QAM	1	49		20.36		
10	64QAM	25	0		19.29		
10	64QAM	25	12		19.31		19.5
10	64QAM	25	25		19.28		
10	64QAM	50	0		19.25		
10	256QAM	1	0		17.45		18.5
10	256QAM	1	25		17.39		
10	256QAM	1	49		17.41		
10	256QAM	25	0		17.43		18.5
10	256QAM	25	12		17.31		
10	256QAM	25	25		17.46		
10	256QAM	50	0		17.42		
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	22.17	22.24	22.15	22.5
5	QPSK	1	12	22.15	22.22	22.15	
5	QPSK	1	24	22.18	22.15	22.10	
5	QPSK	12	0	21.13	21.14	21.23	21.5
5	QPSK	12	7	21.17	21.20	21.24	
5	QPSK	12	13	21.19	21.24	21.19	
5	QPSK	25	0	21.17	21.23	21.18	21.5
5	16QAM	1	0	21.35	21.39	21.41	
5	16QAM	1	12	21.41	21.39	21.38	
5	16QAM	1	24	21.40	21.41	21.45	20.5
5	16QAM	12	0	20.26	20.25	20.19	
5	16QAM	12	7	20.25	20.24	20.24	
5	16QAM	12	13	20.26	20.25	20.20	20.5
5	16QAM	25	0	20.20	20.25	20.18	
5	64QAM	1	0	20.40	20.34	20.33	
5	64QAM	1	12	20.35	20.38	20.33	19.5
5	64QAM	1	24	20.33	20.35	20.30	
5	64QAM	12	0	19.23	19.25	19.20	
5	64QAM	12	7	19.24	19.31	19.28	18.5
5	64QAM	12	13	19.26	19.27	19.25	
5	64QAM	25	0	19.20	19.25	19.15	
5	256QAM	1	0	17.41	17.43	17.35	18.5
5	256QAM	1	12	17.39	17.34	17.36	
5	256QAM	1	24	17.33	17.40	17.35	
5	256QAM	12	0	17.40	17.41	17.37	18.5
5	256QAM	12	7	17.25	17.26	17.28	
5	256QAM	12	13	17.43	17.37	17.41	
5	256QAM	25	0	17.38	17.34	17.36	



FCC SAR TEST REPORT

Report No. : FA3N2802B

<LTE Band 30_Ant 5_DSI 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				27710			
Frequency (MHz)				2310			
10	QPSK	1	0		22.25		22.5
10	QPSK	1	25		22.25		
10	QPSK	1	49		22.18		
10	QPSK	25	0		21.23		21.5
10	QPSK	25	12		21.27		
10	QPSK	25	25		21.25		
10	QPSK	50	0		21.24		21.5
10	16QAM	1	0		21.43		
10	16QAM	1	25		21.45		
10	16QAM	1	49		21.48		20.5
10	16QAM	25	0		20.26		
10	16QAM	25	12		20.30		
10	16QAM	25	25		20.27		20.5
10	16QAM	50	0		20.26		
10	64QAM	1	0		20.42		
10	64QAM	1	25		20.43		20.5
10	64QAM	1	49		20.36		
10	64QAM	25	0		19.29		
10	64QAM	25	12		19.31		19.5
10	64QAM	25	25		19.28		
10	64QAM	50	0		19.25		
10	256QAM	1	0		17.45		18.5
10	256QAM	1	25		17.39		
10	256QAM	1	49		17.41		
10	256QAM	25	0		17.43		18.5
10	256QAM	25	12		17.31		
10	256QAM	25	25		17.46		
10	256QAM	50	0		17.42		
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	22.17	22.24	22.15	22.5
5	QPSK	1	12	22.15	22.22	22.15	
5	QPSK	1	24	22.18	22.15	22.10	
5	QPSK	12	0	21.13	21.14	21.23	21.5
5	QPSK	12	7	21.17	21.20	21.24	
5	QPSK	12	13	21.19	21.24	21.19	
5	QPSK	25	0	21.17	21.23	21.18	21.5
5	16QAM	1	0	21.35	21.39	21.41	
5	16QAM	1	12	21.41	21.39	21.38	
5	16QAM	1	24	21.40	21.41	21.45	20.5
5	16QAM	12	0	20.26	20.25	20.19	
5	16QAM	12	7	20.25	20.24	20.24	
5	16QAM	12	13	20.26	20.25	20.20	20.5
5	16QAM	25	0	20.20	20.25	20.18	
5	64QAM	1	0	20.40	20.34	20.33	
5	64QAM	1	12	20.35	20.38	20.33	20.5
5	64QAM	1	24	20.33	20.35	20.30	
5	64QAM	12	0	19.23	19.25	19.20	
5	64QAM	12	7	19.24	19.31	19.28	19.5
5	64QAM	12	13	19.26	19.27	19.25	
5	64QAM	25	0	19.20	19.25	19.15	
5	256QAM	1	0	17.41	17.43	17.35	18.5
5	256QAM	1	12	17.39	17.34	17.36	
5	256QAM	1	24	17.33	17.40	17.35	
5	256QAM	12	0	17.40	17.41	17.37	18.5
5	256QAM	12	7	17.25	17.26	17.28	
5	256QAM	12	13	17.43	17.37	17.41	
5	256QAM	25	0	17.38	17.34	17.36	



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Report No. : FA3N2802B

<LTE Band 30_Ant 5_WiFi off_DSI 1>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				27710			
Frequency (MHz)				2310			
10	QPSK	1	0		22.25		22.5
10	QPSK	1	25		22.25		
10	QPSK	1	49		22.18		
10	QPSK	25	0		21.23		21.5
10	QPSK	25	12		21.27		
10	QPSK	25	25		21.25		
10	QPSK	50	0		21.24		21.5
10	16QAM	1	0		21.43		
10	16QAM	1	25		21.45		
10	16QAM	1	49		21.48		20.5
10	16QAM	25	0		20.26		
10	16QAM	25	12		20.30		
10	16QAM	25	25		20.27		20.5
10	16QAM	50	0		20.26		
10	64QAM	1	0		20.42		
10	64QAM	1	25		20.43		20.5
10	64QAM	1	49		20.36		
10	64QAM	25	0		19.29		
10	64QAM	25	12		19.31		19.5
10	64QAM	25	25		19.28		
10	64QAM	50	0		19.25		
10	256QAM	1	0		17.45		18.5
10	256QAM	1	25		17.39		
10	256QAM	1	49		17.41		
10	256QAM	25	0		17.43		18.5
10	256QAM	25	12		17.31		
10	256QAM	25	25		17.46		
10	256QAM	50	0		17.42		
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	22.17	22.24	22.15	22.5
5	QPSK	1	12	22.15	22.22	22.15	
5	QPSK	1	24	22.18	22.15	22.10	
5	QPSK	12	0	21.13	21.14	21.23	21.5
5	QPSK	12	7	21.17	21.20	21.24	
5	QPSK	12	13	21.19	21.24	21.19	
5	QPSK	25	0	21.17	21.23	21.18	21.5
5	16QAM	1	0	21.35	21.39	21.41	
5	16QAM	1	12	21.41	21.39	21.38	
5	16QAM	1	24	21.40	21.41	21.45	20.5
5	16QAM	12	0	20.26	20.25	20.19	
5	16QAM	12	7	20.25	20.24	20.24	
5	16QAM	12	13	20.26	20.25	20.20	20.5
5	16QAM	25	0	20.20	20.25	20.18	
5	64QAM	1	0	20.40	20.34	20.33	
5	64QAM	1	12	20.35	20.38	20.33	19.5
5	64QAM	1	24	20.33	20.35	20.30	
5	64QAM	12	0	19.23	19.25	19.20	
5	64QAM	12	7	19.24	19.31	19.28	18.5
5	64QAM	12	13	19.26	19.27	19.25	
5	64QAM	25	0	19.20	19.25	19.15	
5	256QAM	1	0	17.41	17.43	17.35	18.5
5	256QAM	1	12	17.39	17.34	17.36	
5	256QAM	1	24	17.33	17.40	17.35	
5	256QAM	12	0	17.40	17.41	17.37	18.5
5	256QAM	12	7	17.25	17.26	17.28	
5	256QAM	12	13	17.43	17.37	17.41	
5	256QAM	25	0	17.38	17.34	17.36	



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<LTE Band 66_Ant 1_DSI 0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	23.70	23.88	23.91	25
20	QPSK	1	49	23.63	23.85	23.87	
20	QPSK	1	99	23.69	23.88	23.79	
20	QPSK	50	0	22.75	22.89	22.97	24
20	QPSK	50	24	22.73	22.89	22.95	
20	QPSK	50	50	22.68	22.87	22.94	
20	QPSK	100	0	22.70	22.84	22.96	24
20	16QAM	1	0	23.01	23.23	23.20	
20	16QAM	1	49	22.89	23.15	23.27	
20	16QAM	1	99	22.90	23.24	23.13	23
20	16QAM	50	0	21.62	21.87	21.96	
20	16QAM	50	24	21.69	21.88	21.94	
20	16QAM	50	50	21.65	21.93	21.98	23
20	16QAM	100	0	21.70	21.85	21.90	
20	64QAM	1	0	21.92	22.17	22.20	
20	64QAM	1	49	21.86	22.04	22.17	23
20	64QAM	1	99	21.97	22.16	22.04	
20	64QAM	50	0	20.65	20.88	20.95	
20	64QAM	50	24	20.70	20.86	20.97	22
20	64QAM	50	50	20.70	20.92	20.98	
20	64QAM	100	0	20.70	20.88	20.94	
20	256QAM	1	0	19.14	19.34	19.14	20
20	256QAM	1	49	19.30	19.27	19.22	
20	256QAM	1	99	19.30	19.18	19.34	
20	256QAM	50	0	19.22	19.31	19.18	20
20	256QAM	50	24	19.16	19.15	19.20	
20	256QAM	50	50	19.21	19.26	19.27	
20	256QAM	100	0	19.16	19.15	19.18	
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	23.66	23.88	23.88	25
15	QPSK	1	37	23.55	23.82	23.79	
15	QPSK	1	74	23.64	23.86	23.72	
15	QPSK	36	0	22.70	22.80	22.94	24
15	QPSK	36	20	22.70	22.81	22.92	
15	QPSK	36	39	22.66	22.82	22.86	
15	QPSK	75	0	22.62	22.76	22.89	24
15	16QAM	1	0	23.01	23.20	23.15	
15	16QAM	1	37	22.81	23.11	23.19	
15	16QAM	1	74	22.89	23.22	23.12	23
15	16QAM	36	0	21.59	21.78	21.94	
15	16QAM	36	20	21.66	21.85	21.85	
15	16QAM	36	39	21.64	21.88	21.90	23
15	16QAM	75	0	21.67	21.80	21.88	
15	64QAM	1	0	21.82	22.16	22.18	
15	64QAM	1	37	21.81	22.03	22.16	23
15	64QAM	1	74	21.87	22.13	22.01	
15	64QAM	36	0	20.58	20.81	20.89	
15	64QAM	36	20	20.69	20.80	20.88	22
15	64QAM	36	39	20.66	20.86	20.96	
15	64QAM	75	0	20.67	20.88	20.85	
15	256QAM	1	0	19.04	19.33	19.11	20
15	256QAM	1	37	19.26	19.18	19.12	
15	256QAM	1	74	19.26	19.10	19.24	
15	256QAM	36	0	19.22	19.23	19.18	20
15	256QAM	36	20	19.16	19.13	19.17	



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15	256QAM	36	39	19.17	19.20	19.18	Tune-up limit (dBm)
15	256QAM	75	0	19.12	19.08	19.12	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	23.70	23.86	23.89	25
10	QPSK	1	25	23.57	23.78	23.85	
10	QPSK	1	49	23.60	23.80	23.71	
10	QPSK	25	0	22.65	22.80	22.87	24
10	QPSK	25	12	22.67	22.82	22.85	
10	QPSK	25	25	22.67	22.80	22.94	
10	QPSK	50	0	22.69	22.78	22.91	
10	16QAM	1	0	22.92	23.17	23.15	24
10	16QAM	1	25	22.89	23.14	23.27	
10	16QAM	1	49	22.85	23.15	23.12	
10	16QAM	25	0	21.54	21.81	21.93	23
10	16QAM	25	12	21.65	21.81	21.90	
10	16QAM	25	25	21.60	21.85	21.96	
10	16QAM	50	0	21.60	21.82	21.82	
10	64QAM	1	0	21.90	22.09	22.14	23
10	64QAM	1	25	21.79	22.04	22.09	
10	64QAM	1	49	21.94	22.06	21.95	
10	64QAM	25	0	20.65	20.88	20.85	22
10	64QAM	25	12	20.65	20.82	20.96	
10	64QAM	25	25	20.70	20.89	20.98	
10	64QAM	50	0	20.61	20.83	20.84	
10	256QAM	1	0	19.05	19.33	19.14	20
10	256QAM	1	25	19.21	19.20	19.22	
10	256QAM	1	49	19.20	19.14	19.24	
10	256QAM	25	0	19.21	19.23	19.13	
10	256QAM	25	12	19.10	19.08	19.12	20
10	256QAM	25	25	19.12	19.18	19.24	
10	256QAM	50	0	19.06	19.12	19.12	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	23.63	23.84	23.87	25
5	QPSK	1	12	23.59	23.79	23.79	
5	QPSK	1	24	23.66	23.79	23.78	
5	QPSK	12	0	22.69	22.81	22.87	24
5	QPSK	12	7	22.69	22.85	22.89	
5	QPSK	12	13	22.58	22.83	22.88	
5	QPSK	25	0	22.66	22.78	22.92	
5	16QAM	1	0	22.92	23.17	23.18	24
5	16QAM	1	12	22.84	23.12	23.23	
5	16QAM	1	24	22.84	23.20	23.08	
5	16QAM	12	0	21.54	21.86	21.92	23
5	16QAM	12	7	21.62	21.88	21.93	
5	16QAM	12	13	21.61	21.86	21.90	
5	16QAM	25	0	21.69	21.78	21.85	
5	64QAM	1	0	21.84	22.10	22.15	23
5	64QAM	1	12	21.85	21.94	22.16	
5	64QAM	1	24	21.95	22.07	22.03	
5	64QAM	12	0	20.64	20.87	20.88	22
5	64QAM	12	7	20.65	20.82	20.91	
5	64QAM	12	13	20.62	20.88	20.90	
5	64QAM	25	0	20.68	20.87	20.87	
5	256QAM	1	0	19.09	19.28	19.13	20
5	256QAM	1	12	19.27	19.18	19.13	
5	256QAM	1	24	19.27	19.15	19.33	
5	256QAM	12	0	19.13	19.26	19.14	20
5	256QAM	12	7	19.09	19.13	19.19	
5	256QAM	12	13	19.12	19.18	19.19	
5	256QAM	25	0	19.13	19.12	19.17	
Channel				131987	132322	132657	



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Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	23.67	23.87	23.82	25
3	QPSK	1	8	23.58	23.85	23.78	
3	QPSK	1	14	23.63	23.82	23.74	
3	QPSK	8	0	22.75	22.85	22.88	24
3	QPSK	8	4	22.66	22.89	22.87	
3	QPSK	8	7	22.61	22.78	22.92	
3	QPSK	15	0	22.67	22.74	22.89	
3	16QAM	1	0	22.93	23.22	23.19	24
3	16QAM	1	8	22.85	23.15	23.27	
3	16QAM	1	14	22.90	23.19	23.13	
3	16QAM	8	0	21.59	21.80	21.86	23
3	16QAM	8	4	21.65	21.85	21.87	
3	16QAM	8	7	21.61	21.87	21.92	
3	16QAM	15	0	21.60	21.77	21.84	
3	64QAM	1	0	21.83	22.10	22.20	23
3	64QAM	1	8	21.80	21.98	22.07	
3	64QAM	1	14	21.96	22.13	22.02	
3	64QAM	8	0	20.57	20.84	20.90	22
3	64QAM	8	4	20.70	20.78	20.87	
3	64QAM	8	7	20.64	20.83	20.98	
3	64QAM	15	0	20.66	20.85	20.85	
3	256QAM	1	0	19.13	19.25	19.11	20
3	256QAM	1	8	19.24	19.17	19.12	
3	256QAM	1	14	19.24	19.18	19.30	
3	256QAM	8	0	19.18	19.23	19.14	20
3	256QAM	8	4	19.16	19.12	19.13	
3	256QAM	8	7	19.19	19.19	19.20	
3	256QAM	15	0	19.15	19.08	19.10	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	23.68	23.80	23.84	25
1.4	QPSK	1	3	23.61	23.76	23.79	
1.4	QPSK	1	5	23.68	23.78	23.75	
1.4	QPSK	3	0	23.66	23.86	23.87	
1.4	QPSK	3	1	23.53	23.77	23.83	
1.4	QPSK	3	3	23.69	23.80	23.76	
1.4	QPSK	6	0	22.67	22.81	22.89	24
1.4	16QAM	1	0	22.99	23.19	23.19	24
1.4	16QAM	1	3	22.84	23.05	23.18	
1.4	16QAM	1	5	22.83	23.24	23.07	
1.4	16QAM	3	0	22.98	23.17	23.13	
1.4	16QAM	3	1	22.87	23.13	23.24	
1.4	16QAM	3	3	22.88	23.21	23.04	
1.4	16QAM	6	0	21.65	21.78	21.86	23
1.4	64QAM	1	0	21.83	22.11	22.10	23
1.4	64QAM	1	3	21.86	21.99	22.15	
1.4	64QAM	1	5	21.97	22.11	21.94	
1.4	64QAM	3	0	21.89	22.16	22.17	
1.4	64QAM	3	1	21.84	21.96	22.13	
1.4	64QAM	3	3	21.90	22.16	21.97	
1.4	64QAM	6	0	20.60	20.85	20.90	22
1.4	256QAM	1	0	19.08	19.29	19.13	20
1.4	256QAM	1	3	19.24	19.23	19.21	
1.4	256QAM	1	5	19.23	19.08	19.28	
1.4	256QAM	3	0	19.10	19.31	19.05	
1.4	256QAM	3	1	19.22	19.25	19.12	
1.4	256QAM	3	3	19.24	19.18	19.34	
1.4	256QAM	6	0	19.08	19.06	19.16	20



<LTE Band 66_Ant 1_DSI 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	23.70	23.88	23.91	
20	QPSK	1	49	23.63	23.85	23.87	24.6
20	QPSK	1	99	23.69	23.88	23.79	
20	QPSK	50	0	22.75	22.89	22.97	
20	QPSK	50	24	22.73	22.89	22.95	24
20	QPSK	50	50	22.68	22.87	22.94	
20	QPSK	100	0	22.70	22.84	22.96	
20	16QAM	1	0	23.01	23.23	23.20	24
20	16QAM	1	49	22.89	23.15	23.27	
20	16QAM	1	99	22.90	23.24	23.13	
20	16QAM	50	0	21.62	21.87	21.96	23
20	16QAM	50	24	21.69	21.88	21.94	
20	16QAM	50	50	21.65	21.93	21.98	
20	16QAM	100	0	21.70	21.85	21.90	23
20	64QAM	1	0	21.92	22.17	22.20	
20	64QAM	1	49	21.86	22.04	22.17	
20	64QAM	1	99	21.97	22.16	22.04	22
20	64QAM	50	0	20.65	20.88	20.95	
20	64QAM	50	24	20.70	20.86	20.97	
20	64QAM	50	50	20.70	20.92	20.98	20
20	64QAM	100	0	20.70	20.88	20.94	
20	256QAM	1	0	19.14	19.34	19.14	
20	256QAM	1	49	19.30	19.27	19.22	20
20	256QAM	1	99	19.30	19.18	19.34	
20	256QAM	50	0	19.22	19.31	19.18	
20	256QAM	50	24	19.16	19.15	19.20	20
20	256QAM	50	50	19.21	19.26	19.27	
20	256QAM	100	0	19.16	19.15	19.18	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	23.66	23.88	23.88	
15	QPSK	1	37	23.55	23.82	23.79	24.6
15	QPSK	1	74	23.64	23.86	23.72	
15	QPSK	36	0	22.70	22.80	22.94	24
15	QPSK	36	20	22.70	22.81	22.92	
15	QPSK	36	39	22.66	22.82	22.86	
15	QPSK	75	0	22.62	22.76	22.89	24
15	16QAM	1	0	23.01	23.20	23.15	
15	16QAM	1	37	22.81	23.11	23.19	
15	16QAM	1	74	22.89	23.22	23.12	23
15	16QAM	36	0	21.59	21.78	21.94	
15	16QAM	36	20	21.66	21.85	21.85	
15	16QAM	36	39	21.64	21.88	21.90	23
15	16QAM	75	0	21.67	21.80	21.88	
15	64QAM	1	0	21.82	22.16	22.18	
15	64QAM	1	37	21.81	22.03	22.16	23
15	64QAM	1	74	21.87	22.13	22.01	
15	64QAM	36	0	20.58	20.81	20.89	
15	64QAM	36	20	20.69	20.80	20.88	22
15	64QAM	36	39	20.66	20.86	20.96	
15	64QAM	75	0	20.67	20.88	20.85	
15	256QAM	1	0	19.04	19.33	19.11	20
15	256QAM	1	37	19.26	19.18	19.12	
15	256QAM	1	74	19.26	19.10	19.24	
15	256QAM	36	0	19.22	19.23	19.18	20
15	256QAM	36	20	19.16	19.13	19.17	



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15	256QAM	36	39	19.17	19.20	19.18	
15	256QAM	75	0	19.12	19.08	19.12	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	23.70	23.86	23.89	24.6
10	QPSK	1	25	23.57	23.78	23.85	
10	QPSK	1	49	23.60	23.80	23.71	
10	QPSK	25	0	22.65	22.80	22.87	24
10	QPSK	25	12	22.67	22.82	22.85	
10	QPSK	25	25	22.67	22.80	22.94	
10	QPSK	50	0	22.69	22.78	22.91	
10	16QAM	1	0	22.92	23.17	23.15	24
10	16QAM	1	25	22.89	23.14	23.27	
10	16QAM	1	49	22.85	23.15	23.12	
10	16QAM	25	0	21.54	21.81	21.93	23
10	16QAM	25	12	21.65	21.81	21.90	
10	16QAM	25	25	21.60	21.85	21.96	
10	16QAM	50	0	21.60	21.82	21.82	
10	64QAM	1	0	21.90	22.09	22.14	23
10	64QAM	1	25	21.79	22.04	22.09	
10	64QAM	1	49	21.94	22.06	21.95	
10	64QAM	25	0	20.65	20.88	20.85	22
10	64QAM	25	12	20.65	20.82	20.96	
10	64QAM	25	25	20.70	20.89	20.98	
10	64QAM	50	0	20.61	20.83	20.84	
10	256QAM	1	0	19.05	19.33	19.14	20
10	256QAM	1	25	19.21	19.20	19.22	
10	256QAM	1	49	19.20	19.14	19.24	
10	256QAM	25	0	19.21	19.23	19.13	
10	256QAM	25	12	19.10	19.08	19.12	20
10	256QAM	25	25	19.12	19.18	19.24	
10	256QAM	50	0	19.06	19.12	19.12	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	23.63	23.84	23.87	24.6
5	QPSK	1	12	23.59	23.79	23.79	
5	QPSK	1	24	23.66	23.79	23.78	
5	QPSK	12	0	22.69	22.81	22.87	24
5	QPSK	12	7	22.69	22.85	22.89	
5	QPSK	12	13	22.58	22.83	22.88	
5	QPSK	25	0	22.66	22.78	22.92	
5	16QAM	1	0	22.92	23.17	23.18	24
5	16QAM	1	12	22.84	23.12	23.23	
5	16QAM	1	24	22.84	23.20	23.08	
5	16QAM	12	0	21.54	21.86	21.92	23
5	16QAM	12	7	21.62	21.88	21.93	
5	16QAM	12	13	21.61	21.86	21.90	
5	16QAM	25	0	21.69	21.78	21.85	
5	64QAM	1	0	21.84	22.10	22.15	23
5	64QAM	1	12	21.85	21.94	22.16	
5	64QAM	1	24	21.95	22.07	22.03	
5	64QAM	12	0	20.64	20.87	20.88	22
5	64QAM	12	7	20.65	20.82	20.91	
5	64QAM	12	13	20.62	20.88	20.90	
5	64QAM	25	0	20.68	20.87	20.87	
5	256QAM	1	0	19.09	19.28	19.13	20
5	256QAM	1	12	19.27	19.18	19.13	
5	256QAM	1	24	19.27	19.15	19.33	
5	256QAM	12	0	19.13	19.26	19.14	20
5	256QAM	12	7	19.09	19.13	19.19	
5	256QAM	12	13	19.12	19.18	19.19	
5	256QAM	25	0	19.13	19.12	19.17	
Channel				131987	132322	132657	



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Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	23.67	23.87	23.82	24.6
3	QPSK	1	8	23.58	23.85	23.78	
3	QPSK	1	14	23.63	23.82	23.74	
3	QPSK	8	0	22.75	22.85	22.88	24
3	QPSK	8	4	22.66	22.89	22.87	
3	QPSK	8	7	22.61	22.78	22.92	
3	QPSK	15	0	22.67	22.74	22.89	
3	16QAM	1	0	22.93	23.22	23.19	24
3	16QAM	1	8	22.85	23.15	23.27	
3	16QAM	1	14	22.90	23.19	23.13	
3	16QAM	8	0	21.59	21.80	21.86	23
3	16QAM	8	4	21.65	21.85	21.87	
3	16QAM	8	7	21.61	21.87	21.92	
3	16QAM	15	0	21.60	21.77	21.84	
3	64QAM	1	0	21.83	22.10	22.20	23
3	64QAM	1	8	21.80	21.98	22.07	
3	64QAM	1	14	21.96	22.13	22.02	
3	64QAM	8	0	20.57	20.84	20.90	22
3	64QAM	8	4	20.70	20.78	20.87	
3	64QAM	8	7	20.64	20.83	20.98	
3	64QAM	15	0	20.66	20.85	20.85	
3	256QAM	1	0	19.13	19.25	19.11	20
3	256QAM	1	8	19.24	19.17	19.12	
3	256QAM	1	14	19.24	19.18	19.30	
3	256QAM	8	0	19.18	19.23	19.14	20
3	256QAM	8	4	19.16	19.12	19.13	
3	256QAM	8	7	19.19	19.19	19.20	
3	256QAM	15	0	19.15	19.08	19.10	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	23.68	23.80	23.84	24.6
1.4	QPSK	1	3	23.61	23.76	23.79	
1.4	QPSK	1	5	23.68	23.78	23.75	
1.4	QPSK	3	0	23.66	23.86	23.87	
1.4	QPSK	3	1	23.53	23.77	23.83	
1.4	QPSK	3	3	23.69	23.80	23.76	
1.4	QPSK	6	0	22.67	22.81	22.89	24
1.4	16QAM	1	0	22.99	23.19	23.19	24
1.4	16QAM	1	3	22.84	23.05	23.18	
1.4	16QAM	1	5	22.83	23.24	23.07	
1.4	16QAM	3	0	22.98	23.17	23.13	
1.4	16QAM	3	1	22.87	23.13	23.24	
1.4	16QAM	3	3	22.88	23.21	23.04	
1.4	16QAM	6	0	21.65	21.78	21.86	23
1.4	64QAM	1	0	21.83	22.11	22.10	23
1.4	64QAM	1	3	21.86	21.99	22.15	
1.4	64QAM	1	5	21.97	22.11	21.94	
1.4	64QAM	3	0	21.89	22.16	22.17	
1.4	64QAM	3	1	21.84	21.96	22.13	
1.4	64QAM	3	3	21.90	22.16	21.97	
1.4	64QAM	6	0	20.60	20.85	20.90	22
1.4	256QAM	1	0	19.08	19.29	19.13	20
1.4	256QAM	1	3	19.24	19.23	19.21	
1.4	256QAM	1	5	19.23	19.08	19.28	
1.4	256QAM	3	0	19.10	19.31	19.05	
1.4	256QAM	3	1	19.22	19.25	19.12	
1.4	256QAM	3	3	19.24	19.18	19.34	
1.4	256QAM	6	0	19.08	19.06	19.16	20



<LTE Band 66_Ant 1_WiFi off_DSI 1>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	23.70	23.88	23.91	25
20	QPSK	1	49	23.63	23.85	23.87	
20	QPSK	1	99	23.69	23.88	23.79	
20	QPSK	50	0	22.75	22.89	22.97	24
20	QPSK	50	24	22.73	22.89	22.95	
20	QPSK	50	50	22.68	22.87	22.94	
20	QPSK	100	0	22.70	22.84	22.96	24
20	16QAM	1	0	23.01	23.23	23.20	
20	16QAM	1	49	22.89	23.15	23.27	
20	16QAM	1	99	22.90	23.24	23.13	23
20	16QAM	50	0	21.62	21.87	21.96	
20	16QAM	50	24	21.69	21.88	21.94	
20	16QAM	50	50	21.65	21.93	21.98	23
20	16QAM	100	0	21.70	21.85	21.90	
20	64QAM	1	0	21.92	22.17	22.20	
20	64QAM	1	49	21.86	22.04	22.17	22
20	64QAM	1	99	21.97	22.16	22.04	
20	64QAM	50	0	20.65	20.88	20.95	
20	64QAM	50	24	20.70	20.86	20.97	20
20	64QAM	50	50	20.70	20.92	20.98	
20	64QAM	100	0	20.70	20.88	20.94	
20	256QAM	1	0	19.14	19.34	19.14	20
20	256QAM	1	49	19.30	19.27	19.22	
20	256QAM	1	99	19.30	19.18	19.34	
20	256QAM	50	0	19.22	19.31	19.18	20
20	256QAM	50	24	19.16	19.15	19.20	
20	256QAM	50	50	19.21	19.26	19.27	
20	256QAM	100	0	19.16	19.15	19.18	Tune-up limit (dBm)
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	23.66	23.88	23.88	25
15	QPSK	1	37	23.55	23.82	23.79	
15	QPSK	1	74	23.64	23.86	23.72	
15	QPSK	36	0	22.70	22.80	22.94	24
15	QPSK	36	20	22.70	22.81	22.92	
15	QPSK	36	39	22.66	22.82	22.86	
15	QPSK	75	0	22.62	22.76	22.89	24
15	16QAM	1	0	23.01	23.20	23.15	
15	16QAM	1	37	22.81	23.11	23.19	
15	16QAM	1	74	22.89	23.22	23.12	23
15	16QAM	36	0	21.59	21.78	21.94	
15	16QAM	36	20	21.66	21.85	21.85	
15	16QAM	36	39	21.64	21.88	21.90	23
15	16QAM	75	0	21.67	21.80	21.88	
15	64QAM	1	0	21.82	22.16	22.18	
15	64QAM	1	37	21.81	22.03	22.16	22
15	64QAM	1	74	21.87	22.13	22.01	
15	64QAM	36	0	20.58	20.81	20.89	
15	64QAM	36	20	20.69	20.80	20.88	20
15	64QAM	36	39	20.66	20.86	20.96	
15	64QAM	75	0	20.67	20.88	20.85	
15	256QAM	1	0	19.04	19.33	19.11	20
15	256QAM	1	37	19.26	19.18	19.12	
15	256QAM	1	74	19.26	19.10	19.24	
15	256QAM	36	0	19.22	19.23	19.18	20
15	256QAM	36	20	19.16	19.13	19.17	



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15	256QAM	36	39	19.17	19.20	19.18	
15	256QAM	75	0	19.12	19.08	19.12	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	23.70	23.86	23.89	25
10	QPSK	1	25	23.57	23.78	23.85	
10	QPSK	1	49	23.60	23.80	23.71	
10	QPSK	25	0	22.65	22.80	22.87	24
10	QPSK	25	12	22.67	22.82	22.85	
10	QPSK	25	25	22.67	22.80	22.94	
10	QPSK	50	0	22.69	22.78	22.91	
10	16QAM	1	0	22.92	23.17	23.15	24
10	16QAM	1	25	22.89	23.14	23.27	
10	16QAM	1	49	22.85	23.15	23.12	
10	16QAM	25	0	21.54	21.81	21.93	23
10	16QAM	25	12	21.65	21.81	21.90	
10	16QAM	25	25	21.60	21.85	21.96	
10	16QAM	50	0	21.60	21.82	21.82	
10	64QAM	1	0	21.90	22.09	22.14	23
10	64QAM	1	25	21.79	22.04	22.09	
10	64QAM	1	49	21.94	22.06	21.95	
10	64QAM	25	0	20.65	20.88	20.85	22
10	64QAM	25	12	20.65	20.82	20.96	
10	64QAM	25	25	20.70	20.89	20.98	
10	64QAM	50	0	20.61	20.83	20.84	
10	256QAM	1	0	19.05	19.33	19.14	20
10	256QAM	1	25	19.21	19.20	19.22	
10	256QAM	1	49	19.20	19.14	19.24	
10	256QAM	25	0	19.21	19.23	19.13	
10	256QAM	25	12	19.10	19.08	19.12	20
10	256QAM	25	25	19.12	19.18	19.24	
10	256QAM	50	0	19.06	19.12	19.12	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	23.63	23.84	23.87	25
5	QPSK	1	12	23.59	23.79	23.79	
5	QPSK	1	24	23.66	23.79	23.78	
5	QPSK	12	0	22.69	22.81	22.87	24
5	QPSK	12	7	22.69	22.85	22.89	
5	QPSK	12	13	22.58	22.83	22.88	
5	QPSK	25	0	22.66	22.78	22.92	
5	16QAM	1	0	22.92	23.17	23.18	24
5	16QAM	1	12	22.84	23.12	23.23	
5	16QAM	1	24	22.84	23.20	23.08	
5	16QAM	12	0	21.54	21.86	21.92	23
5	16QAM	12	7	21.62	21.88	21.93	
5	16QAM	12	13	21.61	21.86	21.90	
5	16QAM	25	0	21.69	21.78	21.85	
5	64QAM	1	0	21.84	22.10	22.15	23
5	64QAM	1	12	21.85	21.94	22.16	
5	64QAM	1	24	21.95	22.07	22.03	
5	64QAM	12	0	20.64	20.87	20.88	22
5	64QAM	12	7	20.65	20.82	20.91	
5	64QAM	12	13	20.62	20.88	20.90	
5	64QAM	25	0	20.68	20.87	20.87	
5	256QAM	1	0	19.09	19.28	19.13	20
5	256QAM	1	12	19.27	19.18	19.13	
5	256QAM	1	24	19.27	19.15	19.33	
5	256QAM	12	0	19.13	19.26	19.14	20
5	256QAM	12	7	19.09	19.13	19.19	
5	256QAM	12	13	19.12	19.18	19.19	
5	256QAM	25	0	19.13	19.12	19.17	
Channel				131987	132322	132657	



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Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	23.67	23.87	23.82	25
3	QPSK	1	8	23.58	23.85	23.78	
3	QPSK	1	14	23.63	23.82	23.74	
3	QPSK	8	0	22.75	22.85	22.88	24
3	QPSK	8	4	22.66	22.89	22.87	
3	QPSK	8	7	22.61	22.78	22.92	
3	QPSK	15	0	22.67	22.74	22.89	
3	16QAM	1	0	22.93	23.22	23.19	24
3	16QAM	1	8	22.85	23.15	23.27	
3	16QAM	1	14	22.90	23.19	23.13	
3	16QAM	8	0	21.59	21.80	21.86	23
3	16QAM	8	4	21.65	21.85	21.87	
3	16QAM	8	7	21.61	21.87	21.92	
3	16QAM	15	0	21.60	21.77	21.84	
3	64QAM	1	0	21.83	22.10	22.20	23
3	64QAM	1	8	21.80	21.98	22.07	
3	64QAM	1	14	21.96	22.13	22.02	
3	64QAM	8	0	20.57	20.84	20.90	22
3	64QAM	8	4	20.70	20.78	20.87	
3	64QAM	8	7	20.64	20.83	20.98	
3	64QAM	15	0	20.66	20.85	20.85	
3	256QAM	1	0	19.13	19.25	19.11	20
3	256QAM	1	8	19.24	19.17	19.12	
3	256QAM	1	14	19.24	19.18	19.30	
3	256QAM	8	0	19.18	19.23	19.14	20
3	256QAM	8	4	19.16	19.12	19.13	
3	256QAM	8	7	19.19	19.19	19.20	
3	256QAM	15	0	19.15	19.08	19.10	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	23.68	23.80	23.84	25
1.4	QPSK	1	3	23.61	23.76	23.79	
1.4	QPSK	1	5	23.68	23.78	23.75	
1.4	QPSK	3	0	23.66	23.86	23.87	
1.4	QPSK	3	1	23.53	23.77	23.83	
1.4	QPSK	3	3	23.69	23.80	23.76	
1.4	QPSK	6	0	22.67	22.81	22.89	24
1.4	16QAM	1	0	22.99	23.19	23.19	24
1.4	16QAM	1	3	22.84	23.05	23.18	
1.4	16QAM	1	5	22.83	23.24	23.07	
1.4	16QAM	3	0	22.98	23.17	23.13	
1.4	16QAM	3	1	22.87	23.13	23.24	
1.4	16QAM	3	3	22.88	23.21	23.04	
1.4	16QAM	6	0	21.65	21.78	21.86	23
1.4	64QAM	1	0	21.83	22.11	22.10	23
1.4	64QAM	1	3	21.86	21.99	22.15	
1.4	64QAM	1	5	21.97	22.11	21.94	
1.4	64QAM	3	0	21.89	22.16	22.17	
1.4	64QAM	3	1	21.84	21.96	22.13	
1.4	64QAM	3	3	21.90	22.16	21.97	
1.4	64QAM	6	0	20.60	20.85	20.90	22
1.4	256QAM	1	0	19.08	19.29	19.13	20
1.4	256QAM	1	3	19.24	19.23	19.21	
1.4	256QAM	1	5	19.23	19.08	19.28	
1.4	256QAM	3	0	19.10	19.31	19.05	
1.4	256QAM	3	1	19.22	19.25	19.12	
1.4	256QAM	3	3	19.24	19.18	19.34	
1.4	256QAM	6	0	19.08	19.06	19.16	20



<LTE Band 71_Ant 1_DSI 0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				133222	133297	133372	
Frequency (MHz)				673	680.5	688	
20	QPSK	1	0	23.85	23.86	23.90	25
20	QPSK	1	49	23.75	23.85	23.82	
20	QPSK	1	99	23.76	23.81	23.77	
20	QPSK	50	0	22.96	22.95	22.96	24
20	QPSK	50	24	22.92	22.88	22.94	
20	QPSK	50	50	22.95	22.92	22.88	
20	QPSK	100	0	22.92	22.88	22.93	24
20	16QAM	1	0	23.05	23.07	23.12	
20	16QAM	1	49	23.17	23.14	23.12	
20	16QAM	1	99	23.23	23.26	23.09	23
20	16QAM	50	0	21.85	21.89	21.86	
20	16QAM	50	24	21.94	21.92	21.94	
20	16QAM	50	50	21.95	21.90	21.89	23
20	16QAM	100	0	21.93	21.87	21.93	
20	64QAM	1	0	22.15	21.90	22.04	
20	64QAM	1	49	22.06	21.96	22.07	22
20	64QAM	1	99	22.04	22.02	22.05	
20	64QAM	50	0	20.86	20.89	20.87	
20	64QAM	50	24	20.91	20.89	20.93	20
20	64QAM	50	50	20.94	20.90	20.89	
20	64QAM	100	0	20.93	20.88	20.95	
20	256QAM	1	0	19.16	19.27	19.17	20
20	256QAM	1	49	19.15	19.25	19.14	
20	256QAM	1	99	19.24	19.25	19.16	
20	256QAM	50	0	19.17	19.10	19.23	20
20	256QAM	50	24	19.25	19.10	19.12	
20	256QAM	50	50	19.25	19.21	19.22	
20	256QAM	100	0	19.18	19.19	19.13	Tune-up limit (dBm)
Channel				133197	133297	133397	
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	23.75	23.79	23.82	
15	QPSK	1	37	23.72	23.76	23.78	25
15	QPSK	1	74	23.74	23.74	23.70	
15	QPSK	36	0	22.90	22.94	22.86	24
15	QPSK	36	20	22.91	22.85	22.92	
15	QPSK	36	39	22.90	22.92	22.88	
15	QPSK	75	0	22.92	22.80	22.86	24
15	16QAM	1	0	23.05	23.06	23.05	
15	16QAM	1	37	23.16	23.08	23.12	
15	16QAM	1	74	23.20	23.26	23.08	23
15	16QAM	36	0	21.77	21.89	21.79	
15	16QAM	36	20	21.94	21.92	21.84	
15	16QAM	36	39	21.92	21.90	21.82	23
15	16QAM	75	0	21.88	21.78	21.93	
15	64QAM	1	0	22.11	21.87	22.00	
15	64QAM	1	37	22.06	21.89	22.01	22
15	64QAM	1	74	21.99	21.93	21.99	
15	64QAM	36	0	20.77	20.82	20.87	
15	64QAM	36	20	20.83	20.82	20.90	20
15	64QAM	36	39	20.92	20.89	20.87	
15	64QAM	75	0	20.84	20.82	20.93	
15	256QAM	1	0	19.13	19.19	19.12	20
15	256QAM	1	37	19.05	19.17	19.04	
15	256QAM	1	74	19.18	19.22	19.08	
15	256QAM	36	0	19.10	19.07	19.20	20
15	256QAM	36	20	19.16	19.06	19.04	



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15	256QAM	36	39	19.25	19.17	19.13	Tune-up limit (dBm)
15	256QAM	75	0	19.16	19.13	19.13	
Channel				133172	133297	133422	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	QPSK	1	0	23.77	23.78	23.81	25
10	QPSK	1	25	23.69	23.78	23.82	
10	QPSK	1	49	23.66	23.78	23.69	
10	QPSK	25	0	22.92	22.89	22.87	24
10	QPSK	25	12	22.82	22.81	22.84	
10	QPSK	25	25	22.91	22.84	22.87	
10	QPSK	50	0	22.92	22.81	22.91	
10	16QAM	1	0	22.95	23.05	23.07	24
10	16QAM	1	25	23.08	23.11	23.03	
10	16QAM	1	49	23.18	23.20	23.06	
10	16QAM	25	0	21.76	21.86	21.84	23
10	16QAM	25	12	21.85	21.85	21.94	
10	16QAM	25	25	21.92	21.82	21.79	
10	16QAM	50	0	21.89	21.86	21.89	
10	64QAM	1	0	22.05	21.89	21.95	23
10	64QAM	1	25	22.02	21.96	22.07	
10	64QAM	1	49	21.97	22.02	22.01	
10	64QAM	25	0	20.77	20.80	20.82	22
10	64QAM	25	12	20.90	20.85	20.92	
10	64QAM	25	25	20.90	20.88	20.81	
10	64QAM	50	0	20.84	20.87	20.86	
10	256QAM	1	0	19.07	19.27	19.09	20
10	256QAM	1	25	19.14	19.17	19.11	
10	256QAM	1	49	19.18	19.17	19.10	
10	256QAM	25	0	19.12	19.09	19.19	
10	256QAM	25	12	19.22	19.10	19.04	20
10	256QAM	25	25	19.22	19.21	19.18	
10	256QAM	50	0	19.15	19.19	19.06	
Channel				133147	133297	133447	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	QPSK	1	0	23.83	23.85	23.88	25
5	QPSK	1	12	23.65	23.81	23.82	
5	QPSK	1	24	23.71	23.81	23.73	
5	QPSK	12	0	22.86	22.92	22.88	24
5	QPSK	12	7	22.85	22.78	22.85	
5	QPSK	12	13	22.94	22.89	22.80	
5	QPSK	25	0	22.89	22.78	22.93	
5	16QAM	1	0	23.00	23.07	23.11	24
5	16QAM	1	12	23.12	23.06	23.09	
5	16QAM	1	24	23.13	23.20	23.04	
5	16QAM	12	0	21.84	21.86	21.80	23
5	16QAM	12	7	21.93	21.87	21.89	
5	16QAM	12	13	21.87	21.81	21.84	
5	16QAM	25	0	21.90	21.85	21.84	
5	64QAM	1	0	22.13	21.84	22.03	23
5	64QAM	1	12	22.01	21.88	22.02	
5	64QAM	1	24	22.02	21.93	21.95	
5	64QAM	12	0	20.85	20.84	20.86	22
5	64QAM	12	7	20.82	20.85	20.93	
5	64QAM	12	13	20.85	20.84	20.87	
5	64QAM	25	0	20.93	20.83	20.91	
5	256QAM	1	0	19.08	19.21	19.17	20
5	256QAM	1	12	19.12	19.20	19.13	
5	256QAM	1	24	19.17	19.21	19.07	
5	256QAM	12	0	19.14	19.04	19.13	
5	256QAM	12	7	19.25	19.00	19.12	20
5	256QAM	12	13	19.16	19.21	19.16	
5	256QAM	25	0	19.15	19.12	19.13	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				133222	133297	133372	
Frequency (MHz)				673	680.5	688	
20	QPSK	1	0	23.85	23.86	23.90	
20	QPSK	1	49	23.75	23.85	23.82	25
20	QPSK	1	99	23.76	23.81	23.77	
20	QPSK	50	0	22.96	22.95	22.96	
20	QPSK	50	24	22.92	22.88	22.94	24
20	QPSK	50	50	22.95	22.92	22.88	
20	QPSK	100	0	22.92	22.88	22.93	
20	16QAM	1	0	23.05	23.07	23.12	24
20	16QAM	1	49	23.17	23.14	23.12	
20	16QAM	1	99	23.23	23.26	23.09	
20	16QAM	50	0	21.85	21.89	21.86	23
20	16QAM	50	24	21.94	21.92	21.94	
20	16QAM	50	50	21.95	21.90	21.89	
20	16QAM	100	0	21.93	21.87	21.93	23
20	64QAM	1	0	22.15	21.90	22.04	
20	64QAM	1	49	22.06	21.96	22.07	
20	64QAM	1	99	22.04	22.02	22.05	22
20	64QAM	50	0	20.86	20.89	20.87	
20	64QAM	50	24	20.91	20.89	20.93	
20	64QAM	50	50	20.94	20.90	20.89	20
20	64QAM	100	0	20.93	20.88	20.95	
20	256QAM	1	0	19.16	19.27	19.17	
20	256QAM	1	49	19.15	19.25	19.14	20
20	256QAM	1	99	19.24	19.25	19.16	
20	256QAM	50	0	19.17	19.10	19.23	
20	256QAM	50	24	19.25	19.10	19.12	20
20	256QAM	50	50	19.25	19.21	19.22	
20	256QAM	100	0	19.18	19.19	19.13	
Channel				133197	133297	133397	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	23.75	23.79	23.82	
15	QPSK	1	37	23.72	23.76	23.78	25
15	QPSK	1	74	23.74	23.74	23.70	
15	QPSK	36	0	22.90	22.94	22.86	24
15	QPSK	36	20	22.91	22.85	22.92	
15	QPSK	36	39	22.90	22.92	22.88	
15	QPSK	75	0	22.92	22.80	22.86	24
15	16QAM	1	0	23.05	23.06	23.05	
15	16QAM	1	37	23.16	23.08	23.12	
15	16QAM	1	74	23.20	23.26	23.08	23
15	16QAM	36	0	21.77	21.89	21.79	
15	16QAM	36	20	21.94	21.92	21.84	
15	16QAM	36	39	21.92	21.90	21.82	23
15	16QAM	75	0	21.88	21.78	21.93	
15	64QAM	1	0	22.11	21.87	22.00	
15	64QAM	1	37	22.06	21.89	22.01	22
15	64QAM	1	74	21.99	21.93	21.99	
15	64QAM	36	0	20.77	20.82	20.87	
15	64QAM	36	20	20.83	20.82	20.90	20
15	64QAM	36	39	20.92	20.89	20.87	
15	64QAM	75	0	20.84	20.82	20.93	
15	256QAM	1	0	19.13	19.19	19.12	20
15	256QAM	1	37	19.05	19.17	19.04	
15	256QAM	1	74	19.18	19.22	19.08	
15	256QAM	36	0	19.10	19.07	19.20	20
15	256QAM	36	20	19.16	19.06	19.04	



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15	256QAM	36	39	19.25	19.17	19.13	Tune-up limit (dBm)
15	256QAM	75	0	19.16	19.13	19.13	
Channel				133172	133297	133422	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	QPSK	1	0	23.77	23.78	23.81	25
10	QPSK	1	25	23.69	23.78	23.82	
10	QPSK	1	49	23.66	23.78	23.69	
10	QPSK	25	0	22.92	22.89	22.87	24
10	QPSK	25	12	22.82	22.81	22.84	
10	QPSK	25	25	22.91	22.84	22.87	
10	QPSK	50	0	22.92	22.81	22.91	
10	16QAM	1	0	22.95	23.05	23.07	24
10	16QAM	1	25	23.08	23.11	23.03	
10	16QAM	1	49	23.18	23.20	23.06	
10	16QAM	25	0	21.76	21.86	21.84	23
10	16QAM	25	12	21.85	21.85	21.94	
10	16QAM	25	25	21.92	21.82	21.79	
10	16QAM	50	0	21.89	21.86	21.89	
10	64QAM	1	0	22.05	21.89	21.95	23
10	64QAM	1	25	22.02	21.96	22.07	
10	64QAM	1	49	21.97	22.02	22.01	
10	64QAM	25	0	20.77	20.80	20.82	22
10	64QAM	25	12	20.90	20.85	20.92	
10	64QAM	25	25	20.90	20.88	20.81	
10	64QAM	50	0	20.84	20.87	20.86	
10	256QAM	1	0	19.07	19.27	19.09	20
10	256QAM	1	25	19.14	19.17	19.11	
10	256QAM	1	49	19.18	19.17	19.10	
10	256QAM	25	0	19.12	19.09	19.19	
10	256QAM	25	12	19.22	19.10	19.04	20
10	256QAM	25	25	19.22	19.21	19.18	
10	256QAM	50	0	19.15	19.19	19.06	
Channel				133147	133297	133447	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	QPSK	1	0	23.83	23.85	23.88	25
5	QPSK	1	12	23.65	23.81	23.82	
5	QPSK	1	24	23.71	23.81	23.73	
5	QPSK	12	0	22.86	22.92	22.88	24
5	QPSK	12	7	22.85	22.78	22.85	
5	QPSK	12	13	22.94	22.89	22.80	
5	QPSK	25	0	22.89	22.78	22.93	
5	16QAM	1	0	23.00	23.07	23.11	24
5	16QAM	1	12	23.12	23.06	23.09	
5	16QAM	1	24	23.13	23.20	23.04	
5	16QAM	12	0	21.84	21.86	21.80	23
5	16QAM	12	7	21.93	21.87	21.89	
5	16QAM	12	13	21.87	21.81	21.84	
5	16QAM	25	0	21.90	21.85	21.84	
5	64QAM	1	0	22.13	21.84	22.03	23
5	64QAM	1	12	22.01	21.88	22.02	
5	64QAM	1	24	22.02	21.93	21.95	
5	64QAM	12	0	20.85	20.84	20.86	22
5	64QAM	12	7	20.82	20.85	20.93	
5	64QAM	12	13	20.85	20.84	20.87	
5	64QAM	25	0	20.93	20.83	20.91	
5	256QAM	1	0	19.08	19.21	19.17	20
5	256QAM	1	12	19.12	19.20	19.13	
5	256QAM	1	24	19.17	19.21	19.07	
5	256QAM	12	0	19.14	19.04	19.13	20
5	256QAM	12	7	19.25	19.00	19.12	
5	256QAM	12	13	19.16	19.21	19.16	
5	256QAM	25	0	19.15	19.12	19.13	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				133222	133297	133372	
Frequency (MHz)				673	680.5	688	
20	QPSK	1	0	23.85	23.86	23.90	25
20	QPSK	1	49	23.75	23.85	23.82	
20	QPSK	1	99	23.76	23.81	23.77	
20	QPSK	50	0	22.96	22.95	22.96	24
20	QPSK	50	24	22.92	22.88	22.94	
20	QPSK	50	50	22.95	22.92	22.88	
20	QPSK	100	0	22.92	22.88	22.93	24
20	16QAM	1	0	23.05	23.07	23.12	
20	16QAM	1	49	23.17	23.14	23.12	
20	16QAM	1	99	23.23	23.26	23.09	23
20	16QAM	50	0	21.85	21.89	21.86	
20	16QAM	50	24	21.94	21.92	21.94	
20	16QAM	50	50	21.95	21.90	21.89	23
20	16QAM	100	0	21.93	21.87	21.93	
20	64QAM	1	0	22.15	21.90	22.04	
20	64QAM	1	49	22.06	21.96	22.07	22
20	64QAM	1	99	22.04	22.02	22.05	
20	64QAM	50	0	20.86	20.89	20.87	
20	64QAM	50	24	20.91	20.89	20.93	20
20	64QAM	50	50	20.94	20.90	20.89	
20	64QAM	100	0	20.93	20.88	20.95	
20	256QAM	1	0	19.16	19.27	19.17	20
20	256QAM	1	49	19.15	19.25	19.14	
20	256QAM	1	99	19.24	19.25	19.16	
20	256QAM	50	0	19.17	19.10	19.23	20
20	256QAM	50	24	19.25	19.10	19.12	
20	256QAM	50	50	19.25	19.21	19.22	
20	256QAM	100	0	19.18	19.19	19.13	
Channel				133197	133297	133397	
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	23.75	23.79	23.82	25
15	QPSK	1	37	23.72	23.76	23.78	
15	QPSK	1	74	23.74	23.74	23.70	
15	QPSK	36	0	22.90	22.94	22.86	24
15	QPSK	36	20	22.91	22.85	22.92	
15	QPSK	36	39	22.90	22.92	22.88	
15	QPSK	75	0	22.92	22.80	22.86	24
15	16QAM	1	0	23.05	23.06	23.05	
15	16QAM	1	37	23.16	23.08	23.12	
15	16QAM	1	74	23.20	23.26	23.08	23
15	16QAM	36	0	21.77	21.89	21.79	
15	16QAM	36	20	21.94	21.92	21.84	
15	16QAM	36	39	21.92	21.90	21.82	23
15	16QAM	75	0	21.88	21.78	21.93	
15	64QAM	1	0	22.11	21.87	22.00	
15	64QAM	1	37	22.06	21.89	22.01	22
15	64QAM	1	74	21.99	21.93	21.99	
15	64QAM	36	0	20.77	20.82	20.87	
15	64QAM	36	20	20.83	20.82	20.90	20
15	64QAM	36	39	20.92	20.89	20.87	
15	64QAM	75	0	20.84	20.82	20.93	
15	256QAM	1	0	19.13	19.19	19.12	20
15	256QAM	1	37	19.05	19.17	19.04	
15	256QAM	1	74	19.18	19.22	19.08	
15	256QAM	36	0	19.10	19.07	19.20	20
15	256QAM	36	20	19.16	19.06	19.04	



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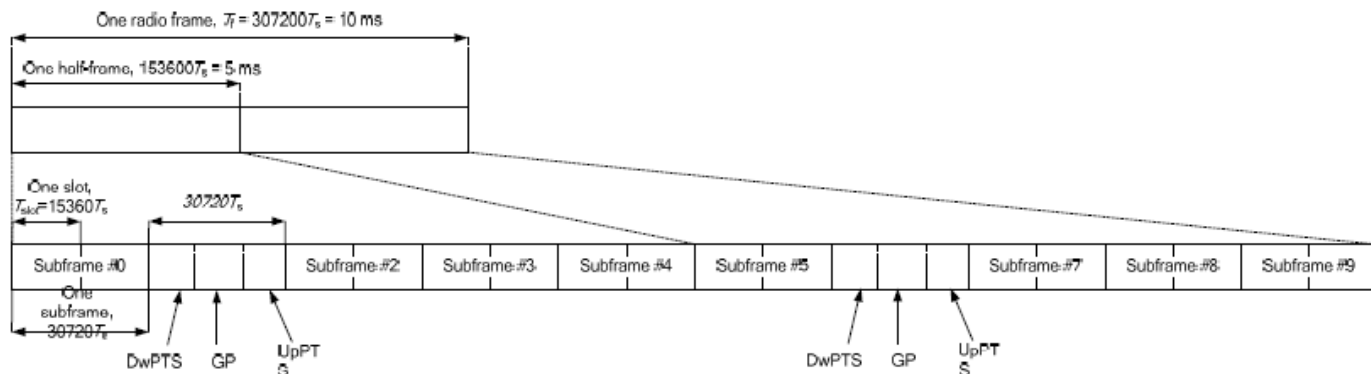
15	256QAM	36	39	19.25	19.17	19.13	Tune-up limit (dBm)
15	256QAM	75	0	19.16	19.13	19.13	
Channel				133172	133297	133422	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	QPSK	1	0	23.77	23.78	23.81	25
10	QPSK	1	25	23.69	23.78	23.82	
10	QPSK	1	49	23.66	23.78	23.69	
10	QPSK	25	0	22.92	22.89	22.87	24
10	QPSK	25	12	22.82	22.81	22.84	
10	QPSK	25	25	22.91	22.84	22.87	
10	QPSK	50	0	22.92	22.81	22.91	
10	16QAM	1	0	22.95	23.05	23.07	24
10	16QAM	1	25	23.08	23.11	23.03	
10	16QAM	1	49	23.18	23.20	23.06	
10	16QAM	25	0	21.76	21.86	21.84	23
10	16QAM	25	12	21.85	21.85	21.94	
10	16QAM	25	25	21.92	21.82	21.79	
10	16QAM	50	0	21.89	21.86	21.89	
10	64QAM	1	0	22.05	21.89	21.95	23
10	64QAM	1	25	22.02	21.96	22.07	
10	64QAM	1	49	21.97	22.02	22.01	
10	64QAM	25	0	20.77	20.80	20.82	22
10	64QAM	25	12	20.90	20.85	20.92	
10	64QAM	25	25	20.90	20.88	20.81	
10	64QAM	50	0	20.84	20.87	20.86	
10	256QAM	1	0	19.07	19.27	19.09	20
10	256QAM	1	25	19.14	19.17	19.11	
10	256QAM	1	49	19.18	19.17	19.10	
10	256QAM	25	0	19.12	19.09	19.19	
10	256QAM	25	12	19.22	19.10	19.04	20
10	256QAM	25	25	19.22	19.21	19.18	
10	256QAM	50	0	19.15	19.19	19.06	
Channel				133147	133297	133447	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	QPSK	1	0	23.83	23.85	23.88	25
5	QPSK	1	12	23.65	23.81	23.82	
5	QPSK	1	24	23.71	23.81	23.73	
5	QPSK	12	0	22.86	22.92	22.88	24
5	QPSK	12	7	22.85	22.78	22.85	
5	QPSK	12	13	22.94	22.89	22.80	
5	QPSK	25	0	22.89	22.78	22.93	
5	16QAM	1	0	23.00	23.07	23.11	24
5	16QAM	1	12	23.12	23.06	23.09	
5	16QAM	1	24	23.13	23.20	23.04	
5	16QAM	12	0	21.84	21.86	21.80	23
5	16QAM	12	7	21.93	21.87	21.89	
5	16QAM	12	13	21.87	21.81	21.84	
5	16QAM	25	0	21.90	21.85	21.84	
5	64QAM	1	0	22.13	21.84	22.03	23
5	64QAM	1	12	22.01	21.88	22.02	
5	64QAM	1	24	22.02	21.93	21.95	
5	64QAM	12	0	20.85	20.84	20.86	22
5	64QAM	12	7	20.82	20.85	20.93	
5	64QAM	12	13	20.85	20.84	20.87	
5	64QAM	25	0	20.93	20.83	20.91	
5	256QAM	1	0	19.08	19.21	19.17	20
5	256QAM	1	12	19.12	19.20	19.13	
5	256QAM	1	24	19.17	19.21	19.07	
5	256QAM	12	0	19.14	19.04	19.13	20
5	256QAM	12	7	19.25	19.00	19.12	
5	256QAM	12	13	19.16	19.21	19.16	
5	256QAM	25	0	19.15	19.12	19.13	

<TDD LTE SAR Measurement>

TDD LTE configuration setup for SAR measurement

SAR was tested with a fixed periodic duty factor according to the highest transmission duty factor implemented for the device and supported by 3GPP.

- 3GPP TS 36.211 section 4.2 for Type 2 Frame Structure and Table 4.2-2 for uplink-downlink configurations
- “special subframe S” contains both uplink and downlink transmissions, it has been taken into consideration to determine the transmission duty factor according to the worst case uplink and downlink cyclic prefix requirements for UpPTS
- Establishing connections with base station simulators ensure a consistent means for testing SAR and recommended for evaluating SAR. The Base station simulator was used for LTE output power measurements and SAR testing.


Figure 4.2-1: Frame structure type 2 (for 5 ms switch-point periodicity).
Table 4.2-2: Uplink-downlink configurations.

Uplink-downlink configuration	Downlink-to-Uplink Switch-point periodicity	Subframe number									
		0	1	2	3	4	5	6	7	8	9
0	5 ms	D	S	U	U	U	D	S	U	U	U
1	5 ms	D	S	U	U	D	D	S	U	U	D
2	5 ms	D	S	U	D	D	D	S	U	D	D
3	10 ms	D	S	U	U	U	D	D	D	D	D
4	10 ms	D	S	U	U	D	D	D	D	D	D
5	10 ms	D	S	U	D	D	D	D	D	D	D
6	5 ms	D	S	U	U	U	D	S	U	U	D

Table 4.2-1: Configuration of special subframe (lengths of DwPTS/GP/UpPTS).

Special subframe configuration	Normal cyclic prefix in downlink			Extended cyclic prefix in downlink		
	DwPTS	UpPTS		DwPTS	UpPTS	
		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink
0	$6592 \cdot T_s$	$2192 \cdot T_s$	$2560 \cdot T_s$	$7680 \cdot T_s$	$2192 \cdot T_s$	$2560 \cdot T_s$
1	$19760 \cdot T_s$			$20480 \cdot T_s$		
2	$21952 \cdot T_s$			$23040 \cdot T_s$		
3	$24144 \cdot T_s$			$25600 \cdot T_s$		
4	$26336 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$	$7680 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$
5	$6592 \cdot T_s$			$20480 \cdot T_s$		
6	$19760 \cdot T_s$			$23040 \cdot T_s$		
7	$21952 \cdot T_s$			$12800 \cdot T_s$		
8	$24144 \cdot T_s$			-	-	-
9	$13168 \cdot T_s$			-	-	-

Special subframe (30720·T _s): Normal cyclic prefix in downlink (UpPTS)			
	Special subframe configuration	Normal cyclic prefix in uplink	Extended cyclic prefix in uplink
Uplink duty factor in one special subframe	0~4	7.13%	8.33%
	5~9	14.3%	16.7%

Special subframe(30720·T _s): Extended cyclic prefix in downlink (UpPTS)			
	Special subframe configuration	Normal cyclic prefix in uplink	Extended cyclic prefix in uplink
Uplink duty factor in one special subframe	0~3	7.13%	8.33%
	4~7	14.3%	16.7%

The highest duty factor is resulted from:

- Uplink-downlink configuration: 0. In a half-frame consisted of 5 subframes, uplink operation is in 3 uplink subframes and 1 special subframe.
- special subframe configuration: 5-9 for normal cyclic prefix in downlink, 4-7 for extended cyclic prefix in downlink
- for special subframe with extended cyclic prefix in uplink, the total uplink duty factor in one half-frame is: $(3+0.167)/5 = 63.3\%$
- for special subframe with normal cyclic prefix in uplink, the total uplink duty factor in one half-frame is: $(3+0.143)/5 = 62.9\%$
- For TDD LTE SAR measurement, the duty cycle 1:1.59 (62.9 %) was used perform testing and considering the theoretical duty cycle of 63.3% for extended cyclic prefix in the uplink, and the theoretical duty cycle of 62.9% for normal cyclic prefix in uplink, a scaling factor of extended cyclic prefix $63.3\%/62.9\% = 1.006$ is applied to scale-up the measured SAR result. The scaled TDD LTE SAR = measured SAR (W/kg)* Tune-up Scaling Factor* scaling factor for extended cyclic prefix.
- The device supports Power Class 3 uplink-downlink configurations 0 and 6, and Power Class 2 uplink-downlink configurations 1 to 5 operations for LTE TDD.
- The highest available duty cycle for Power Class 2 operation is 43.3% using UL-DL configuration 1, for Power Class 3 operation is 63.3% using UL-DL configuration 0. Per FCC Guidance, all SAR tests were performed using Power Class 3. SAR with Power Class 2 at the available duty factor was additionally performed for the Power Class 3 configuration with the highest SAR among all exposure condition.



<LTE Band 38_Ant 5_DSI 0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	24.78	24.70	24.87	25
20	QPSK	1	49	24.71	24.74	24.83	
20	QPSK	1	99	24.74	24.73	24.86	
20	QPSK	50	0	22.90	22.94	23.04	24
20	QPSK	50	24	22.90	22.98	23.02	
20	QPSK	50	50	22.98	22.96	23.04	
20	QPSK	100	0	22.85	22.94	22.96	24
20	16QAM	1	0	23.56	23.85	23.86	
20	16QAM	1	49	23.80	23.85	23.89	
20	16QAM	1	99	23.73	23.79	23.98	23
20	16QAM	50	0	21.81	21.95	21.85	
20	16QAM	50	24	21.96	21.90	22.04	
20	16QAM	50	50	21.90	21.94	22.12	23
20	16QAM	100	0	21.90	21.90	21.94	
20	64QAM	1	0	22.64	22.76	22.83	
20	64QAM	1	49	22.74	22.72	22.90	22
20	64QAM	1	99	22.76	22.85	22.95	
20	64QAM	50	0	21.80	21.95	21.87	
20	64QAM	50	24	21.92	21.98	21.95	20
20	64QAM	50	50	21.91	21.91	21.89	
20	64QAM	100	0	21.84	21.90	21.98	
20	256QAM	1	0	19.09	19.22	19.22	20
20	256QAM	1	49	19.03	19.12	19.07	
20	256QAM	1	99	19.11	19.03	19.16	
20	256QAM	50	0	19.09	19.04	19.18	20
20	256QAM	50	24	19.17	19.16	19.03	
20	256QAM	50	50	19.05	19.12	19.13	
20	256QAM	100	0	19.19	19.04	19.02	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	24.68	24.61	24.83	25
15	QPSK	1	37	24.64	24.68	24.74	
15	QPSK	1	74	24.73	24.63	24.82	
15	QPSK	36	0	22.85	22.86	22.78	24
15	QPSK	36	20	22.87	22.90	22.93	
15	QPSK	36	39	22.96	22.88	23.04	
15	QPSK	75	0	22.79	22.93	22.95	24
15	16QAM	1	0	23.56	23.84	23.83	
15	16QAM	1	37	23.71	23.81	23.80	
15	16QAM	1	74	23.63	23.73	23.98	23
15	16QAM	36	0	21.76	21.85	21.84	
15	16QAM	36	20	21.95	21.81	22.02	
15	16QAM	36	39	21.80	21.85	22.04	23
15	16QAM	75	0	21.84	21.80	21.85	
15	64QAM	1	0	22.56	22.74	22.76	
15	64QAM	1	37	22.66	22.67	22.85	22
15	64QAM	1	74	22.72	22.75	22.93	
15	64QAM	36	0	21.79	21.93	21.82	
15	64QAM	36	20	21.83	21.96	21.88	20
15	64QAM	36	39	21.88	21.90	21.86	
15	64QAM	75	0	21.81	21.88	21.98	
15	256QAM	1	0	19.01	19.22	19.22	20
15	256QAM	1	37	18.98	19.05	19.02	
15	256QAM	1	74	19.08	19.00	19.07	
15	256QAM	36	0	19.01	18.97	19.11	20
15	256QAM	36	20	19.15	19.09	18.97	
15	256QAM	36	39	19.02	19.11	19.09	
15	256QAM	75	0	19.12	18.96	18.99	



FCC SAR TEST REPORT

Report No. : FA3N2802B

Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	24.68	24.67	24.77	25
10	QPSK	1	25	24.69	24.64	24.77	
10	QPSK	1	49	24.74	24.66	24.80	
10	QPSK	25	0	22.80	22.85	22.77	24
10	QPSK	25	12	22.83	22.97	22.94	
10	QPSK	25	25	22.89	22.89	23.02	
10	QPSK	50	0	22.82	22.88	22.96	24
10	16QAM	1	0	23.47	23.83	23.77	
10	16QAM	1	25	23.76	23.75	23.88	
10	16QAM	1	49	23.70	23.69	23.89	23
10	16QAM	25	0	21.80	21.94	21.83	
10	16QAM	25	12	21.90	21.86	21.99	
10	16QAM	25	25	21.88	21.88	22.09	23
10	16QAM	50	0	21.83	21.87	21.86	
10	64QAM	1	0	22.58	22.75	22.74	
10	64QAM	1	25	22.72	22.72	22.81	22
10	64QAM	1	49	22.67	22.82	22.86	
10	64QAM	25	0	21.70	21.94	21.77	
10	64QAM	25	12	21.84	21.98	21.94	20
10	64QAM	25	25	21.87	21.81	21.82	
10	64QAM	50	0	21.78	21.85	21.89	
10	256QAM	1	0	19.05	19.22	19.22	20
10	256QAM	1	25	19.02	19.08	19.07	
10	256QAM	1	49	19.10	19.02	19.13	
10	256QAM	25	0	19.07	18.99	19.08	20
10	256QAM	25	12	19.16	19.06	18.95	
10	256QAM	25	25	19.03	19.06	19.11	
10	256QAM	50	0	19.17	18.96	19.01	20
Channel				37775	38000	38225	
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)
5	QPSK	1	0	24.71	24.67	24.79	25
5	QPSK	1	12	24.67	24.70	24.83	
5	QPSK	1	24	24.69	24.68	24.84	
5	QPSK	12	0	22.85	22.91	22.85	24
5	QPSK	12	7	22.84	22.98	22.97	
5	QPSK	12	13	22.96	22.90	22.98	
5	QPSK	25	0	22.85	22.87	22.92	24
5	16QAM	1	0	23.55	23.83	23.78	
5	16QAM	1	12	23.73	23.84	23.85	
5	16QAM	1	24	23.66	23.69	23.96	23
5	16QAM	12	0	21.81	21.85	21.76	
5	16QAM	12	7	21.96	21.81	21.97	
5	16QAM	12	13	21.87	21.84	22.12	23
5	16QAM	25	0	21.88	21.87	21.89	
5	64QAM	1	0	22.59	22.71	22.83	
5	64QAM	1	12	22.66	22.70	22.89	22
5	64QAM	1	24	22.74	22.81	22.88	
5	64QAM	12	0	21.78	21.85	21.81	
5	64QAM	12	7	21.90	21.88	21.85	20
5	64QAM	12	13	21.81	21.86	21.83	
5	64QAM	25	0	21.84	21.84	21.92	
5	256QAM	1	0	19.01	19.19	19.17	20
5	256QAM	1	12	19.01	19.06	19.07	
5	256QAM	1	24	19.02	19.02	19.12	
5	256QAM	12	0	18.99	18.94	19.17	20
5	256QAM	12	7	19.12	19.11	18.96	
5	256QAM	12	13	18.98	19.04	19.08	
5	256QAM	25	0	19.15	19.03	18.92	20



FCC SAR TEST REPORT

Report No. : FA3N2802B

<LTE Band 38_Ant 5_DSI 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	24.78	24.70	24.87	25
20	QPSK	1	49	24.71	24.74	24.83	
20	QPSK	1	99	24.74	24.73	24.86	
20	QPSK	50	0	22.90	22.94	23.04	24
20	QPSK	50	24	22.90	22.98	23.02	
20	QPSK	50	50	22.98	22.96	23.04	
20	QPSK	100	0	22.85	22.94	22.96	
20	16QAM	1	0	23.56	23.85	23.86	24
20	16QAM	1	49	23.80	23.85	23.89	
20	16QAM	1	99	23.73	23.79	23.98	
20	16QAM	50	0	21.81	21.95	21.85	23
20	16QAM	50	24	21.96	21.90	22.04	
20	16QAM	50	50	21.90	21.94	22.12	
20	16QAM	100	0	21.90	21.90	21.94	
20	64QAM	1	0	22.64	22.76	22.83	23
20	64QAM	1	49	22.74	22.72	22.90	
20	64QAM	1	99	22.76	22.85	22.95	
20	64QAM	50	0	21.80	21.95	21.87	22
20	64QAM	50	24	21.92	21.98	21.95	
20	64QAM	50	50	21.91	21.91	21.89	
20	64QAM	100	0	21.84	21.90	21.98	
20	256QAM	1	0	19.09	19.22	19.22	20
20	256QAM	1	49	19.03	19.12	19.07	
20	256QAM	1	99	19.11	19.03	19.16	
20	256QAM	50	0	19.09	19.04	19.18	20
20	256QAM	50	24	19.17	19.16	19.03	
20	256QAM	50	50	19.05	19.12	19.13	
20	256QAM	100	0	19.19	19.04	19.02	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	24.68	24.61	24.83	25
15	QPSK	1	37	24.64	24.68	24.74	
15	QPSK	1	74	24.73	24.63	24.82	
15	QPSK	36	0	22.85	22.86	22.78	24
15	QPSK	36	20	22.87	22.90	22.93	
15	QPSK	36	39	22.96	22.88	23.04	
15	QPSK	75	0	22.79	22.93	22.95	
15	16QAM	1	0	23.56	23.84	23.83	24
15	16QAM	1	37	23.71	23.81	23.80	
15	16QAM	1	74	23.63	23.73	23.98	
15	16QAM	36	0	21.76	21.85	21.84	23
15	16QAM	36	20	21.95	21.81	22.02	
15	16QAM	36	39	21.80	21.85	22.04	
15	16QAM	75	0	21.84	21.80	21.85	
15	64QAM	1	0	22.56	22.74	22.76	23
15	64QAM	1	37	22.66	22.67	22.85	
15	64QAM	1	74	22.72	22.75	22.93	
15	64QAM	36	0	21.79	21.93	21.82	22
15	64QAM	36	20	21.83	21.96	21.88	
15	64QAM	36	39	21.88	21.90	21.86	
15	64QAM	75	0	21.81	21.88	21.98	
15	256QAM	1	0	19.01	19.22	19.22	20
15	256QAM	1	37	18.98	19.05	19.02	
15	256QAM	1	74	19.08	19.00	19.07	
15	256QAM	36	0	19.01	18.97	19.11	20
15	256QAM	36	20	19.15	19.09	18.97	
15	256QAM	36	39	19.02	19.11	19.09	
15	256QAM	75	0	19.12	18.96	18.99	
Channel				37800	38000	38200	



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Report No. : FA3N2802B

Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	24.68	24.67	24.77	
10	QPSK	1	25	24.69	24.64	24.77	25
10	QPSK	1	49	24.74	24.66	24.80	
10	QPSK	25	0	22.80	22.85	22.77	
10	QPSK	25	12	22.83	22.97	22.94	24
10	QPSK	25	25	22.89	22.89	23.02	
10	QPSK	50	0	22.82	22.88	22.96	
10	16QAM	1	0	23.47	23.83	23.77	24
10	16QAM	1	25	23.76	23.75	23.88	
10	16QAM	1	49	23.70	23.69	23.89	
10	16QAM	25	0	21.80	21.94	21.83	23
10	16QAM	25	12	21.90	21.86	21.99	
10	16QAM	25	25	21.88	21.88	22.09	
10	16QAM	50	0	21.83	21.87	21.86	23
10	64QAM	1	0	22.58	22.75	22.74	
10	64QAM	1	25	22.72	22.72	22.81	
10	64QAM	1	49	22.67	22.82	22.86	22
10	64QAM	25	0	21.70	21.94	21.77	
10	64QAM	25	12	21.84	21.98	21.94	
10	64QAM	25	25	21.87	21.81	21.82	20
10	64QAM	50	0	21.78	21.85	21.89	
10	256QAM	1	0	19.05	19.22	19.22	
10	256QAM	1	25	19.02	19.08	19.07	20
10	256QAM	1	49	19.10	19.02	19.13	
10	256QAM	25	0	19.07	18.99	19.08	20
10	256QAM	25	12	19.16	19.06	18.95	
10	256QAM	25	25	19.03	19.06	19.11	
10	256QAM	50	0	19.17	18.96	19.01	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	24.71	24.67	24.79	25
5	QPSK	1	12	24.67	24.70	24.83	
5	QPSK	1	24	24.69	24.68	24.84	
5	QPSK	12	0	22.85	22.91	22.85	24
5	QPSK	12	7	22.84	22.98	22.97	
5	QPSK	12	13	22.96	22.90	22.98	
5	QPSK	25	0	22.85	22.87	22.92	24
5	16QAM	1	0	23.55	23.83	23.78	
5	16QAM	1	12	23.73	23.84	23.85	
5	16QAM	1	24	23.66	23.69	23.96	23
5	16QAM	12	0	21.81	21.85	21.76	
5	16QAM	12	7	21.96	21.81	21.97	
5	16QAM	12	13	21.87	21.84	22.12	23
5	16QAM	25	0	21.88	21.87	21.89	
5	64QAM	1	0	22.59	22.71	22.83	
5	64QAM	1	12	22.66	22.70	22.89	22
5	64QAM	1	24	22.74	22.81	22.88	
5	64QAM	12	0	21.78	21.85	21.81	
5	64QAM	12	7	21.90	21.88	21.85	20
5	64QAM	12	13	21.81	21.86	21.83	
5	64QAM	25	0	21.84	21.84	21.92	
5	256QAM	1	0	19.01	19.19	19.17	20
5	256QAM	1	12	19.01	19.06	19.07	
5	256QAM	1	24	19.02	19.02	19.12	
5	256QAM	12	0	18.99	18.94	19.17	20
5	256QAM	12	7	19.12	19.11	18.96	
5	256QAM	12	13	18.98	19.04	19.08	
5	256QAM	25	0	19.15	19.03	18.92	



FCC SAR TEST REPORT

Report No. : FA3N2802B

<LTE Band 38_Ant 5_WiFi off_DSI 1>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	24.78	24.70	24.87	25
20	QPSK	1	49	24.71	24.74	24.83	
20	QPSK	1	99	24.74	24.73	24.86	
20	QPSK	50	0	22.90	22.94	23.04	24
20	QPSK	50	24	22.90	22.98	23.02	
20	QPSK	50	50	22.98	22.96	23.04	
20	QPSK	100	0	22.85	22.94	22.96	
20	16QAM	1	0	23.56	23.85	23.86	24
20	16QAM	1	49	23.80	23.85	23.89	
20	16QAM	1	99	23.73	23.79	23.98	
20	16QAM	50	0	21.81	21.95	21.85	23
20	16QAM	50	24	21.96	21.90	22.04	
20	16QAM	50	50	21.90	21.94	22.12	
20	16QAM	100	0	21.90	21.90	21.94	
20	64QAM	1	0	22.64	22.76	22.83	23
20	64QAM	1	49	22.74	22.72	22.90	
20	64QAM	1	99	22.76	22.85	22.95	
20	64QAM	50	0	21.80	21.95	21.87	22
20	64QAM	50	24	21.92	21.98	21.95	
20	64QAM	50	50	21.91	21.91	21.89	
20	64QAM	100	0	21.84	21.90	21.98	
20	256QAM	1	0	19.09	19.22	19.22	20
20	256QAM	1	49	19.03	19.12	19.07	
20	256QAM	1	99	19.11	19.03	19.16	
20	256QAM	50	0	19.09	19.04	19.18	20
20	256QAM	50	24	19.17	19.16	19.03	
20	256QAM	50	50	19.05	19.12	19.13	
20	256QAM	100	0	19.19	19.04	19.02	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	24.68	24.61	24.83	25
15	QPSK	1	37	24.64	24.68	24.74	
15	QPSK	1	74	24.73	24.63	24.82	
15	QPSK	36	0	22.85	22.86	22.78	24
15	QPSK	36	20	22.87	22.90	22.93	
15	QPSK	36	39	22.96	22.88	23.04	
15	QPSK	75	0	22.79	22.93	22.95	
15	16QAM	1	0	23.56	23.84	23.83	24
15	16QAM	1	37	23.71	23.81	23.80	
15	16QAM	1	74	23.63	23.73	23.98	
15	16QAM	36	0	21.76	21.85	21.84	23
15	16QAM	36	20	21.95	21.81	22.02	
15	16QAM	36	39	21.80	21.85	22.04	
15	16QAM	75	0	21.84	21.80	21.85	
15	64QAM	1	0	22.56	22.74	22.76	23
15	64QAM	1	37	22.66	22.67	22.85	
15	64QAM	1	74	22.72	22.75	22.93	
15	64QAM	36	0	21.79	21.93	21.82	22
15	64QAM	36	20	21.83	21.96	21.88	
15	64QAM	36	39	21.88	21.90	21.86	
15	64QAM	75	0	21.81	21.88	21.98	
15	256QAM	1	0	19.01	19.22	19.22	20
15	256QAM	1	37	18.98	19.05	19.02	
15	256QAM	1	74	19.08	19.00	19.07	
15	256QAM	36	0	19.01	18.97	19.11	20
15	256QAM	36	20	19.15	19.09	18.97	
15	256QAM	36	39	19.02	19.11	19.09	
15	256QAM	75	0	19.12	18.96	18.99	
Channel				37800	38000	38200	



FCC SAR TEST REPORT

Report No. : FA3N2802B

Frequency (MHz)				2575	2595	2615	25
10	QPSK	1	0	24.68	24.67	24.77	
10	QPSK	1	25	24.69	24.64	24.77	
10	QPSK	1	49	24.74	24.66	24.80	
10	QPSK	25	0	22.80	22.85	22.77	24
10	QPSK	25	12	22.83	22.97	22.94	
10	QPSK	25	25	22.89	22.89	23.02	
10	QPSK	50	0	22.82	22.88	22.96	
10	16QAM	1	0	23.47	23.83	23.77	24
10	16QAM	1	25	23.76	23.75	23.88	
10	16QAM	1	49	23.70	23.69	23.89	
10	16QAM	25	0	21.80	21.94	21.83	
10	16QAM	25	12	21.90	21.86	21.99	23
10	16QAM	25	25	21.88	21.88	22.09	
10	16QAM	50	0	21.83	21.87	21.86	
10	64QAM	1	0	22.58	22.75	22.74	
10	64QAM	1	25	22.72	22.72	22.81	23
10	64QAM	1	49	22.67	22.82	22.86	
10	64QAM	25	0	21.70	21.94	21.77	
10	64QAM	25	12	21.84	21.98	21.94	
10	64QAM	25	25	21.87	21.81	21.82	22
10	64QAM	50	0	21.78	21.85	21.89	
10	256QAM	1	0	19.05	19.22	19.22	
10	256QAM	1	25	19.02	19.08	19.07	
10	256QAM	1	49	19.10	19.02	19.13	20
10	256QAM	25	0	19.07	18.99	19.08	
10	256QAM	25	12	19.16	19.06	18.95	
10	256QAM	25	25	19.03	19.06	19.11	
10	256QAM	50	0	19.17	18.96	19.01	Tune-up limit (dBm)
Channel				37775	38000	38225	
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	24.71	24.67	24.79	25
5	QPSK	1	12	24.67	24.70	24.83	
5	QPSK	1	24	24.69	24.68	24.84	
5	QPSK	12	0	22.85	22.91	22.85	
5	QPSK	12	7	22.84	22.98	22.97	24
5	QPSK	12	13	22.96	22.90	22.98	
5	QPSK	25	0	22.85	22.87	22.92	
5	16QAM	1	0	23.55	23.83	23.78	
5	16QAM	1	12	23.73	23.84	23.85	24
5	16QAM	1	24	23.66	23.69	23.96	
5	16QAM	12	0	21.81	21.85	21.76	
5	16QAM	12	7	21.96	21.81	21.97	
5	16QAM	12	13	21.87	21.84	22.12	23
5	16QAM	25	0	21.88	21.87	21.89	
5	64QAM	1	0	22.59	22.71	22.83	
5	64QAM	1	12	22.66	22.70	22.89	
5	64QAM	1	24	22.74	22.81	22.88	23
5	64QAM	12	0	21.78	21.85	21.81	
5	64QAM	12	7	21.90	21.88	21.85	
5	64QAM	12	13	21.81	21.86	21.83	
5	64QAM	25	0	21.84	21.84	21.92	22
5	256QAM	1	0	19.01	19.19	19.17	
5	256QAM	1	12	19.01	19.06	19.07	
5	256QAM	1	24	19.02	19.02	19.12	
5	256QAM	12	0	18.99	18.94	19.17	20
5	256QAM	12	7	19.12	19.11	18.96	
5	256QAM	12	13	18.98	19.04	19.08	
5	256QAM	25	0	19.15	19.03	18.92	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	23.69	23.60	23.54	23.59	23.74	25
20	QPSK	1	49	23.65	23.54	23.52	23.53	23.66	
20	QPSK	1	99	23.58	23.48	23.53	23.55	23.71	
20	QPSK	50	0	22.74	22.61	22.62	22.71	22.79	24
20	QPSK	50	24	22.68	22.57	22.56	22.63	22.78	
20	QPSK	50	50	22.66	22.55	22.60	22.69	22.69	
20	QPSK	100	0	22.65	22.56	22.54	22.62	22.78	24
20	16QAM	1	0	22.60	22.50	22.47	22.52	22.61	
20	16QAM	1	49	22.67	22.57	22.57	22.50	22.60	
20	16QAM	1	99	22.60	22.54	22.65	22.66	22.71	23
20	16QAM	50	0	21.72	21.59	21.51	21.59	21.70	
20	16QAM	50	24	21.66	21.54	21.55	21.64	21.73	
20	16QAM	50	50	21.65	21.55	21.65	21.67	21.70	23
20	16QAM	100	0	21.66	21.54	21.52	21.63	21.73	
20	64QAM	1	0	21.64	21.46	21.43	21.49	21.63	
20	64QAM	1	49	21.64	21.48	21.54	21.44	21.63	22
20	64QAM	1	99	21.50	21.46	21.61	21.64	21.72	
20	64QAM	50	0	20.74	20.61	20.51	20.61	20.70	
20	64QAM	50	24	20.69	20.54	20.56	20.65	20.75	20
20	64QAM	50	50	20.65	20.53	20.65	20.67	20.70	
20	64QAM	100	0	20.66	20.55	20.51	20.65	20.72	
20	256QAM	1	0	19.28	19.26	19.44	19.25	19.28	20
20	256QAM	1	49	19.43	19.28	19.32	19.43	19.33	
20	256QAM	1	99	19.27	19.42	19.29	19.32	19.36	
20	256QAM	50	0	19.26	19.37	19.44	19.37	19.27	20
20	256QAM	50	24	19.25	19.40	19.38	19.31	19.30	
20	256QAM	50	50	19.43	19.34	19.36	19.41	19.40	
20	256QAM	100	0	19.33	19.33	19.32	19.34	19.38	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	23.61	23.55	23.44	23.54	23.67	25.00
15	QPSK	1	37	23.64	23.53	23.48	23.47	23.63	
15	QPSK	1	74	23.51	23.43	23.53	23.54	23.71	
15	QPSK	36	0	22.68	22.57	22.58	22.69	22.74	24
15	QPSK	36	20	22.63	22.50	22.55	22.58	22.73	
15	QPSK	36	39	22.62	22.50	22.50	22.67	22.63	
15	QPSK	75	0	22.61	22.55	22.51	22.54	22.70	24
15	16QAM	1	0	22.56	22.44	22.43	22.45	22.60	
15	16QAM	1	37	22.61	22.56	22.51	22.42	22.50	
15	16QAM	1	74	22.50	22.46	22.56	22.58	22.63	23
15	16QAM	36	0	21.72	21.59	21.50	21.50	21.68	
15	16QAM	36	20	21.63	21.54	21.49	21.64	21.66	
15	16QAM	36	39	21.63	21.47	21.57	21.61	21.65	23
15	16QAM	75	0	21.56	21.52	21.44	21.56	21.73	
15	64QAM	1	0	21.56	21.40	21.35	21.47	21.60	
15	64QAM	1	37	21.57	21.42	21.52	21.41	21.53	22
15	64QAM	1	74	21.44	21.45	21.59	21.63	21.70	
15	64QAM	36	0	20.74	20.61	20.49	20.53	20.69	
15	64QAM	36	20	20.63	20.48	20.55	20.60	20.73	20
15	64QAM	36	39	20.63	20.50	20.59	20.65	20.62	
15	64QAM	75	0	20.62	20.53	20.50	20.62	20.69	
15	256QAM	1	0	19.21	19.23	19.36	19.16	19.19	20
15	256QAM	1	37	19.34	19.18	19.22	19.39	19.30	
15	256QAM	1	74	19.25	19.41	19.22	19.22	19.32	
15	256QAM	36	0	19.23	19.33	19.43	19.32	19.18	20
15	256QAM	36	20	19.18	19.35	19.38	19.26	19.25	
15	256QAM	36	39	19.35	19.34	19.30	19.32	19.34	
15	256QAM	75	0	19.33	19.23	19.29	19.25	19.34	
Channel				39700	40160	40620	41080	41540	



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Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	23.59	23.57	23.50	23.54	23.65	25.00
10	QPSK	1	25	23.55	23.47	23.42	23.52	23.61	
10	QPSK	1	49	23.58	23.46	23.53	23.55	23.64	
10	QPSK	25	0	22.70	22.52	22.59	22.64	22.72	24
10	QPSK	25	12	22.62	22.48	22.55	22.63	22.73	
10	QPSK	25	25	22.59	22.50	22.52	22.59	22.60	
10	QPSK	50	0	22.61	22.49	22.53	22.54	22.76	24
10	16QAM	1	0	22.59	22.47	22.39	22.43	22.61	
10	16QAM	1	25	22.67	22.57	22.49	22.50	22.54	
10	16QAM	1	49	22.51	22.50	22.63	22.56	22.67	23
10	16QAM	25	0	21.70	21.52	21.45	21.59	21.70	
10	16QAM	25	12	21.62	21.48	21.55	21.54	21.65	
10	16QAM	25	25	21.62	21.53	21.57	21.58	21.67	23
10	16QAM	50	0	21.57	21.46	21.43	21.57	21.70	
10	64QAM	1	0	21.61	21.36	21.41	21.39	21.62	
10	64QAM	1	25	21.62	21.47	21.49	21.42	21.60	22
10	64QAM	1	49	21.46	21.39	21.60	21.56	21.66	
10	64QAM	25	0	20.66	20.58	20.51	20.61	20.70	
10	64QAM	25	12	20.62	20.50	20.56	20.55	20.69	20
10	64QAM	25	25	20.57	20.43	20.65	20.59	20.63	
10	64QAM	50	0	20.57	20.55	20.49	20.63	20.67	
10	256QAM	1	0	19.18	19.19	19.34	19.25	19.19	20
10	256QAM	1	25	19.43	19.22	19.28	19.41	19.26	
10	256QAM	1	49	19.21	19.35	19.20	19.22	19.27	
10	256QAM	25	0	19.18	19.33	19.38	19.30	19.19	20
10	256QAM	25	12	19.17	19.40	19.31	19.31	19.27	
10	256QAM	25	25	19.43	19.25	19.28	19.39	19.31	
10	256QAM	50	0	19.28	19.23	19.29	19.34	19.37	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	23.59	23.50	23.54	23.59	23.70	25.00
5	QPSK	1	12	23.65	23.52	23.43	23.46	23.64	
5	QPSK	1	24	23.51	23.38	23.47	23.49	23.63	
5	QPSK	12	0	22.69	22.57	22.59	22.63	22.74	24
5	QPSK	12	7	22.59	22.52	22.47	22.54	22.70	
5	QPSK	12	13	22.65	22.55	22.55	22.63	22.64	
5	QPSK	25	0	22.60	22.55	22.44	22.52	22.73	24
5	16QAM	1	0	22.52	22.46	22.38	22.50	22.54	
5	16QAM	1	12	22.65	22.56	22.53	22.50	22.58	
5	16QAM	1	24	22.51	22.53	22.64	22.60	22.61	23
5	16QAM	12	0	21.65	21.53	21.51	21.56	21.62	
5	16QAM	12	7	21.58	21.48	21.47	21.61	21.64	
5	16QAM	12	13	21.61	21.53	21.55	21.66	21.69	23
5	16QAM	25	0	21.65	21.46	21.43	21.63	21.64	
5	64QAM	1	0	21.58	21.40	21.43	21.40	21.61	
5	64QAM	1	12	21.58	21.46	21.49	21.40	21.57	22
5	64QAM	1	24	21.42	21.44	21.54	21.54	21.69	
5	64QAM	12	0	20.74	20.59	20.44	20.60	20.63	
5	64QAM	12	7	20.65	20.48	20.50	20.63	20.66	20
5	64QAM	12	13	20.60	20.50	20.61	20.63	20.60	
5	64QAM	25	0	20.65	20.49	20.41	20.60	20.71	
5	256QAM	1	0	19.24	19.18	19.36	19.16	19.22	20
5	256QAM	1	12	19.37	19.27	19.32	19.37	19.29	
5	256QAM	1	24	19.27	19.32	19.21	19.23	19.26	
5	256QAM	12	0	19.26	19.31	19.36	19.35	19.17	20
5	256QAM	12	7	19.15	19.34	19.37	19.27	19.23	
5	256QAM	12	13	19.35	19.34	19.27	19.40	19.35	
5	256QAM	25	0	19.32	19.23	19.31	19.34	19.38	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	23.69	23.60	23.54	23.59	23.74	25
20	QPSK	1	49	23.65	23.54	23.52	23.53	23.66	
20	QPSK	1	99	23.58	23.48	23.53	23.55	23.71	
20	QPSK	50	0	22.74	22.61	22.62	22.71	22.79	24
20	QPSK	50	24	22.68	22.57	22.56	22.63	22.78	
20	QPSK	50	50	22.66	22.55	22.60	22.69	22.69	
20	QPSK	100	0	22.65	22.56	22.54	22.62	22.78	24
20	16QAM	1	0	22.60	22.50	22.47	22.52	22.61	
20	16QAM	1	49	22.67	22.57	22.57	22.50	22.60	
20	16QAM	1	99	22.60	22.54	22.65	22.66	22.71	23
20	16QAM	50	0	21.72	21.59	21.51	21.59	21.70	
20	16QAM	50	24	21.66	21.54	21.55	21.64	21.73	
20	16QAM	50	50	21.65	21.55	21.65	21.67	21.70	23
20	16QAM	100	0	21.66	21.54	21.52	21.63	21.73	
20	64QAM	1	0	21.64	21.46	21.43	21.49	21.63	
20	64QAM	1	49	21.64	21.48	21.54	21.44	21.63	22
20	64QAM	1	99	21.50	21.46	21.61	21.64	21.72	
20	64QAM	50	0	20.74	20.61	20.51	20.61	20.70	
20	64QAM	50	24	20.69	20.54	20.56	20.65	20.75	20
20	64QAM	50	50	20.65	20.53	20.65	20.67	20.70	
20	64QAM	100	0	20.66	20.55	20.51	20.65	20.72	
20	256QAM	1	0	19.28	19.26	19.44	19.25	19.28	20
20	256QAM	1	49	19.43	19.28	19.32	19.43	19.33	
20	256QAM	1	99	19.27	19.42	19.29	19.32	19.36	
20	256QAM	50	0	19.26	19.37	19.44	19.37	19.27	20
20	256QAM	50	24	19.25	19.40	19.38	19.31	19.30	
20	256QAM	50	50	19.43	19.34	19.36	19.41	19.40	
20	256QAM	100	0	19.33	19.33	19.32	19.34	19.38	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	23.61	23.55	23.44	23.54	23.67	25.00
15	QPSK	1	37	23.64	23.53	23.48	23.47	23.63	
15	QPSK	1	74	23.51	23.43	23.53	23.54	23.71	
15	QPSK	36	0	22.68	22.57	22.58	22.69	22.74	24
15	QPSK	36	20	22.63	22.50	22.55	22.58	22.73	
15	QPSK	36	39	22.62	22.50	22.50	22.67	22.63	
15	QPSK	75	0	22.61	22.55	22.51	22.54	22.70	24
15	16QAM	1	0	22.56	22.44	22.43	22.45	22.60	
15	16QAM	1	37	22.61	22.56	22.51	22.42	22.50	
15	16QAM	1	74	22.50	22.46	22.56	22.58	22.63	23
15	16QAM	36	0	21.72	21.59	21.50	21.50	21.68	
15	16QAM	36	20	21.63	21.54	21.49	21.64	21.66	
15	16QAM	36	39	21.63	21.47	21.57	21.61	21.65	23
15	16QAM	75	0	21.56	21.52	21.44	21.56	21.73	
15	64QAM	1	0	21.56	21.40	21.35	21.47	21.60	
15	64QAM	1	37	21.57	21.42	21.52	21.41	21.53	22
15	64QAM	1	74	21.44	21.45	21.59	21.63	21.70	
15	64QAM	36	0	20.74	20.61	20.49	20.53	20.69	
15	64QAM	36	20	20.63	20.48	20.55	20.60	20.73	20
15	64QAM	36	39	20.63	20.50	20.59	20.65	20.62	
15	64QAM	75	0	20.62	20.53	20.50	20.62	20.69	
15	256QAM	1	0	19.21	19.23	19.36	19.16	19.19	20
15	256QAM	1	37	19.34	19.18	19.22	19.39	19.30	
15	256QAM	1	74	19.25	19.41	19.22	19.22	19.32	
15	256QAM	36	0	19.23	19.33	19.43	19.32	19.18	20
15	256QAM	36	20	19.18	19.35	19.38	19.26	19.25	
15	256QAM	36	39	19.35	19.34	19.30	19.32	19.34	
15	256QAM	75	0	19.33	19.23	19.29	19.25	19.34	
Channel				39700	40160	40620	41080	41540	



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Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	23.59	23.57	23.50	23.54	23.65	25.00
10	QPSK	1	25	23.55	23.47	23.42	23.52	23.61	
10	QPSK	1	49	23.58	23.46	23.53	23.55	23.64	
10	QPSK	25	0	22.70	22.52	22.59	22.64	22.72	24
10	QPSK	25	12	22.62	22.48	22.55	22.63	22.73	
10	QPSK	25	25	22.59	22.50	22.52	22.59	22.60	
10	QPSK	50	0	22.61	22.49	22.53	22.54	22.76	24
10	16QAM	1	0	22.59	22.47	22.39	22.43	22.61	
10	16QAM	1	25	22.67	22.57	22.49	22.50	22.54	
10	16QAM	1	49	22.51	22.50	22.63	22.56	22.67	23
10	16QAM	25	0	21.70	21.52	21.45	21.59	21.70	
10	16QAM	25	12	21.62	21.48	21.55	21.54	21.65	
10	16QAM	25	25	21.62	21.53	21.57	21.58	21.67	23
10	16QAM	50	0	21.57	21.46	21.43	21.57	21.70	
10	64QAM	1	0	21.61	21.36	21.41	21.39	21.62	
10	64QAM	1	25	21.62	21.47	21.49	21.42	21.60	22
10	64QAM	1	49	21.46	21.39	21.60	21.56	21.66	
10	64QAM	25	0	20.66	20.58	20.51	20.61	20.70	
10	64QAM	25	12	20.62	20.50	20.56	20.55	20.69	20
10	64QAM	25	25	20.57	20.43	20.65	20.59	20.63	
10	64QAM	50	0	20.57	20.55	20.49	20.63	20.67	
10	256QAM	1	0	19.18	19.19	19.34	19.25	19.19	20
10	256QAM	1	25	19.43	19.22	19.28	19.41	19.26	
10	256QAM	1	49	19.21	19.35	19.20	19.22	19.27	
10	256QAM	25	0	19.18	19.33	19.38	19.30	19.19	20
10	256QAM	25	12	19.17	19.40	19.31	19.31	19.27	
10	256QAM	25	25	19.43	19.25	19.28	19.39	19.31	
10	256QAM	50	0	19.28	19.23	19.29	19.34	19.37	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	23.59	23.50	23.54	23.59	23.70	25.00
5	QPSK	1	12	23.65	23.52	23.43	23.46	23.64	
5	QPSK	1	24	23.51	23.38	23.47	23.49	23.63	
5	QPSK	12	0	22.69	22.57	22.59	22.63	22.74	24
5	QPSK	12	7	22.59	22.52	22.47	22.54	22.70	
5	QPSK	12	13	22.65	22.55	22.55	22.63	22.64	
5	QPSK	25	0	22.60	22.55	22.44	22.52	22.73	24
5	16QAM	1	0	22.52	22.46	22.38	22.50	22.54	
5	16QAM	1	12	22.65	22.56	22.53	22.50	22.58	
5	16QAM	1	24	22.51	22.53	22.64	22.60	22.61	23
5	16QAM	12	0	21.65	21.53	21.51	21.56	21.62	
5	16QAM	12	7	21.58	21.48	21.47	21.61	21.64	
5	16QAM	12	13	21.61	21.53	21.55	21.66	21.69	23
5	16QAM	25	0	21.65	21.46	21.43	21.63	21.64	
5	64QAM	1	0	21.58	21.40	21.43	21.40	21.61	
5	64QAM	1	12	21.58	21.46	21.49	21.40	21.57	22
5	64QAM	1	24	21.42	21.44	21.54	21.54	21.69	
5	64QAM	12	0	20.74	20.59	20.44	20.60	20.63	
5	64QAM	12	7	20.65	20.48	20.50	20.63	20.66	20
5	64QAM	12	13	20.60	20.50	20.61	20.63	20.60	
5	64QAM	25	0	20.65	20.49	20.41	20.60	20.71	
5	256QAM	1	0	19.24	19.18	19.36	19.16	19.22	20
5	256QAM	1	12	19.37	19.27	19.32	19.37	19.29	
5	256QAM	1	24	19.27	19.32	19.21	19.23	19.26	
5	256QAM	12	0	19.26	19.31	19.36	19.35	19.17	20
5	256QAM	12	7	19.15	19.34	19.37	19.27	19.23	
5	256QAM	12	13	19.35	19.34	19.27	19.40	19.35	
5	256QAM	25	0	19.32	19.23	19.31	19.34	19.38	



<LTE Band 41_Ant 5_WiFi off_DSI 1>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	23.69	23.60	23.54	23.59	23.74	
20	QPSK	1	49	23.65	23.54	23.52	23.53	23.66	25
20	QPSK	1	99	23.58	23.48	23.53	23.55	23.71	
20	QPSK	50	0	22.74	22.61	22.62	22.71	22.79	
20	QPSK	50	24	22.68	22.57	22.56	22.63	22.78	24
20	QPSK	50	50	22.66	22.55	22.60	22.69	22.69	
20	QPSK	100	0	22.65	22.56	22.54	22.62	22.78	
20	16QAM	1	0	22.60	22.50	22.47	22.52	22.61	24
20	16QAM	1	49	22.67	22.57	22.57	22.50	22.60	
20	16QAM	1	99	22.60	22.54	22.65	22.66	22.71	
20	16QAM	50	0	21.72	21.59	21.51	21.59	21.70	23
20	16QAM	50	24	21.66	21.54	21.55	21.64	21.73	
20	16QAM	50	50	21.65	21.55	21.65	21.67	21.70	
20	16QAM	100	0	21.66	21.54	21.52	21.63	21.73	23
20	64QAM	1	0	21.64	21.46	21.43	21.49	21.63	
20	64QAM	1	49	21.64	21.48	21.54	21.44	21.63	
20	64QAM	1	99	21.50	21.46	21.61	21.64	21.72	22
20	64QAM	50	0	20.74	20.61	20.51	20.61	20.70	
20	64QAM	50	24	20.69	20.54	20.56	20.65	20.75	
20	64QAM	50	50	20.65	20.53	20.65	20.67	20.70	20
20	64QAM	100	0	20.66	20.55	20.51	20.65	20.72	
20	256QAM	1	0	19.28	19.26	19.44	19.25	19.28	
20	256QAM	1	49	19.43	19.28	19.32	19.43	19.33	20
20	256QAM	1	99	19.27	19.42	19.29	19.32	19.36	
20	256QAM	50	0	19.26	19.37	19.44	19.37	19.27	
20	256QAM	50	24	19.25	19.40	19.38	19.31	19.30	20
20	256QAM	50	50	19.43	19.34	19.36	19.41	19.40	
20	256QAM	100	0	19.33	19.33	19.32	19.34	19.38	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	23.61	23.55	23.44	23.54	23.67	
15	QPSK	1	37	23.64	23.53	23.48	23.47	23.63	25.00
15	QPSK	1	74	23.51	23.43	23.53	23.54	23.71	
15	QPSK	36	0	22.68	22.57	22.58	22.69	22.74	24
15	QPSK	36	20	22.63	22.50	22.55	22.58	22.73	
15	QPSK	36	39	22.62	22.50	22.50	22.67	22.63	
15	QPSK	75	0	22.61	22.55	22.51	22.54	22.70	24
15	16QAM	1	0	22.56	22.44	22.43	22.45	22.60	
15	16QAM	1	37	22.61	22.56	22.51	22.42	22.50	
15	16QAM	1	74	22.50	22.46	22.56	22.58	22.63	23
15	16QAM	36	0	21.72	21.59	21.50	21.50	21.68	
15	16QAM	36	20	21.63	21.54	21.49	21.64	21.66	
15	16QAM	36	39	21.63	21.47	21.57	21.61	21.65	23
15	16QAM	75	0	21.56	21.52	21.44	21.56	21.73	
15	64QAM	1	0	21.56	21.40	21.35	21.47	21.60	
15	64QAM	1	37	21.57	21.42	21.52	21.41	21.53	22
15	64QAM	1	74	21.44	21.45	21.59	21.63	21.70	
15	64QAM	36	0	20.74	20.61	20.49	20.53	20.69	
15	64QAM	36	20	20.63	20.48	20.55	20.60	20.73	22
15	64QAM	36	39	20.63	20.50	20.59	20.65	20.62	
15	64QAM	75	0	20.62	20.53	20.50	20.62	20.69	



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15	256QAM	1	0	19.21	19.23	19.36	19.16	19.19	20
15	256QAM	1	37	19.34	19.18	19.22	19.39	19.30	
15	256QAM	1	74	19.25	19.41	19.22	19.22	19.32	
15	256QAM	36	0	19.23	19.33	19.43	19.32	19.18	20
15	256QAM	36	20	19.18	19.35	19.38	19.26	19.25	
15	256QAM	36	39	19.35	19.34	19.30	19.32	19.34	
15	256QAM	75	0	19.33	19.23	19.29	19.25	19.34	Tune-up limit (dBm)
Channel				39700	40160	40620	41080	41540	
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	23.59	23.57	23.50	23.54	23.65	25.00
10	QPSK	1	25	23.55	23.47	23.42	23.52	23.61	
10	QPSK	1	49	23.58	23.46	23.53	23.55	23.64	
10	QPSK	25	0	22.70	22.52	22.59	22.64	22.72	24
10	QPSK	25	12	22.62	22.48	22.55	22.63	22.73	
10	QPSK	25	25	22.59	22.50	22.52	22.59	22.60	
10	QPSK	50	0	22.61	22.49	22.53	22.54	22.76	24
10	16QAM	1	0	22.59	22.47	22.39	22.43	22.61	
10	16QAM	1	25	22.67	22.57	22.49	22.50	22.54	
10	16QAM	1	49	22.51	22.50	22.63	22.56	22.67	23
10	16QAM	25	0	21.70	21.52	21.45	21.59	21.70	
10	16QAM	25	12	21.62	21.48	21.55	21.54	21.65	
10	16QAM	25	25	21.62	21.53	21.57	21.58	21.67	23
10	16QAM	50	0	21.57	21.46	21.43	21.57	21.70	
10	64QAM	1	0	21.61	21.36	21.41	21.39	21.62	
10	64QAM	1	25	21.62	21.47	21.49	21.42	21.60	22
10	64QAM	1	49	21.46	21.39	21.60	21.56	21.66	
10	64QAM	25	0	20.66	20.58	20.51	20.61	20.70	
10	64QAM	25	12	20.62	20.50	20.56	20.55	20.69	20
10	64QAM	25	25	20.57	20.43	20.65	20.59	20.63	
10	64QAM	50	0	20.57	20.55	20.49	20.63	20.67	
10	256QAM	1	0	19.18	19.19	19.34	19.25	19.19	20
10	256QAM	1	25	19.43	19.22	19.28	19.41	19.26	
10	256QAM	1	49	19.21	19.35	19.20	19.22	19.27	
10	256QAM	25	0	19.18	19.33	19.38	19.30	19.19	20
10	256QAM	25	12	19.17	19.40	19.31	19.31	19.27	
10	256QAM	25	25	19.43	19.25	19.28	19.39	19.31	
10	256QAM	50	0	19.28	19.23	19.29	19.34	19.37	Tune-up limit (dBm)
Channel				39675	40148	40620	41093	41565	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	23.59	23.50	23.54	23.59	23.70	25.00
5	QPSK	1	12	23.65	23.52	23.43	23.46	23.64	
5	QPSK	1	24	23.51	23.38	23.47	23.49	23.63	
5	QPSK	12	0	22.69	22.57	22.59	22.63	22.74	24
5	QPSK	12	7	22.59	22.52	22.47	22.54	22.70	
5	QPSK	12	13	22.65	22.55	22.55	22.63	22.64	
5	QPSK	25	0	22.60	22.55	22.44	22.52	22.73	24
5	16QAM	1	0	22.52	22.46	22.38	22.50	22.54	
5	16QAM	1	12	22.65	22.56	22.53	22.50	22.58	
5	16QAM	1	24	22.51	22.53	22.64	22.60	22.61	23
5	16QAM	12	0	21.65	21.53	21.51	21.56	21.62	
5	16QAM	12	7	21.58	21.48	21.47	21.61	21.64	
5	16QAM	12	13	21.61	21.53	21.55	21.66	21.69	23
5	16QAM	25	0	21.65	21.46	21.43	21.63	21.64	
5	64QAM	1	0	21.58	21.40	21.43	21.40	21.61	
5	64QAM	1	12	21.58	21.46	21.49	21.40	21.57	23
5	64QAM	1	24	21.42	21.44	21.54	21.54	21.69	



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5	64QAM	12	0	20.74	20.59	20.44	20.60	20.63	22
5	64QAM	12	7	20.65	20.48	20.50	20.63	20.66	
5	64QAM	12	13	20.60	20.50	20.61	20.63	20.60	
5	64QAM	25	0	20.65	20.49	20.41	20.60	20.71	
5	256QAM	1	0	19.24	19.18	19.36	19.16	19.22	20
5	256QAM	1	12	19.37	19.27	19.32	19.37	19.29	
5	256QAM	1	24	19.27	19.32	19.21	19.23	19.26	
5	256QAM	12	0	19.26	19.31	19.36	19.35	19.17	20
5	256QAM	12	7	19.15	19.34	19.37	19.27	19.23	
5	256QAM	12	13	19.35	19.34	19.27	19.40	19.35	
5	256QAM	25	0	19.32	19.23	19.31	19.34	19.38	



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<LTE Band 41_HPUE_Ant 5_DSI 0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	26.63	26.56	26.50	26.59	26.76	27
20	QPSK	1	49	26.56	26.49	26.42	26.48	26.58	
20	QPSK	1	99	26.55	26.44	26.54	26.58	26.70	
20	QPSK	50	0	25.71	25.58	25.59	25.70	25.84	26
20	QPSK	50	24	25.69	25.54	25.54	25.65	25.81	
20	QPSK	50	50	25.66	25.52	25.61	25.67	25.72	
20	QPSK	100	0	25.63	25.50	25.50	25.63	25.77	
20	16QAM	1	0	25.90	25.80	25.66	25.85	25.89	26
20	16QAM	1	49	25.80	25.85	25.79	25.77	25.82	
20	16QAM	1	99	25.92	25.84	25.89	25.92	25.98	
20	16QAM	50	0	24.67	24.57	24.45	24.57	24.70	25
20	16QAM	50	24	24.63	24.52	24.51	24.64	24.74	
20	16QAM	50	50	24.61	24.50	24.62	24.65	24.70	
20	16QAM	100	0	24.62	24.47	24.48	24.58	24.73	
20	64QAM	1	0	24.82	24.68	24.69	24.77	24.86	25
20	64QAM	1	49	24.85	24.74	24.78	24.72	24.90	
20	64QAM	1	99	24.85	24.67	24.90	24.93	24.94	
20	64QAM	50	0	23.67	23.56	23.45	23.58	23.68	24
20	64QAM	50	24	23.65	23.54	23.52	23.61	23.74	
20	64QAM	50	50	23.63	23.50	23.62	23.65	23.68	
20	64QAM	100	0	23.61	23.48	23.48	23.59	23.71	
20	256QAM	1	0	21.71	21.78	21.81	21.70	21.70	22
20	256QAM	1	49	21.81	21.66	21.74	21.70	21.68	
20	256QAM	1	99	21.69	21.80	21.72	21.66	21.73	
20	256QAM	50	0	21.69	21.72	21.72	21.75	21.63	22
20	256QAM	50	24	21.74	21.79	21.81	21.61	21.77	
20	256QAM	50	50	21.81	21.72	21.61	21.80	21.73	
20	256QAM	100	0	21.77	21.73	21.73	21.76	21.75	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	26.58	26.54	26.45	26.59	26.75	27.00
15	QPSK	1	37	26.50	26.41	26.32	26.43	26.55	
15	QPSK	1	74	26.46	26.42	26.53	26.49	26.66	
15	QPSK	36	0	25.61	25.54	25.52	25.66	25.74	26
15	QPSK	36	20	25.67	25.53	25.47	25.64	25.79	
15	QPSK	36	39	25.61	25.51	25.53	25.65	25.62	
15	QPSK	75	0	25.59	25.44	25.41	25.59	25.71	
15	16QAM	1	0	25.81	25.71	25.62	25.84	25.81	26
15	16QAM	1	37	25.71	25.84	25.73	25.69	25.75	
15	16QAM	1	74	25.90	25.79	25.88	25.89	25.88	
15	16QAM	36	0	24.64	24.48	24.36	24.53	24.70	25
15	16QAM	36	20	24.62	24.48	24.41	24.63	24.73	
15	16QAM	36	39	24.54	24.47	24.55	24.65	24.70	
15	16QAM	75	0	24.56	24.43	24.41	24.48	24.68	
15	64QAM	1	0	24.79	24.60	24.69	24.77	24.86	25
15	64QAM	1	37	24.79	24.68	24.74	24.62	24.90	
15	64QAM	1	74	24.84	24.64	24.85	24.88	24.93	
15	64QAM	36	0	23.60	23.50	23.37	23.57	23.63	24
15	64QAM	36	20	23.57	23.48	23.43	23.51	23.72	
15	64QAM	36	39	23.62	23.48	23.58	23.61	23.62	
15	64QAM	75	0	23.54	23.43	23.40	23.58	23.62	
15	256QAM	1	0	21.71	21.78	21.77	21.60	21.63	22
15	256QAM	1	37	21.78	21.57	21.71	21.67	21.67	
15	256QAM	1	74	21.68	21.76	21.72	21.57	21.65	
15	256QAM	36	0	21.69	21.66	21.71	21.67	21.53	22
15	256QAM	36	20	21.68	21.73	21.77	21.59	21.73	
15	256QAM	36	39	21.80	21.72	21.55	21.80	21.71	
15	256QAM	75	0	21.75	21.73	21.63	21.75	21.72	
Channel				39700	40160	40620	41080	41540	



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Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	26.54	26.54	26.43	26.57	26.67	
10	QPSK	1	25	26.46	26.46	26.35	26.40	26.52	
10	QPSK	1	49	26.49	26.38	26.46	26.52	26.69	
10	QPSK	25	0	25.62	25.57	25.53	25.61	25.77	26
10	QPSK	25	12	25.62	25.50	25.52	25.64	25.73	
10	QPSK	25	25	25.56	25.42	25.51	25.57	25.69	
10	QPSK	50	0	25.55	25.46	25.43	25.53	25.72	
10	16QAM	1	0	25.86	25.77	25.61	25.79	25.89	26
10	16QAM	1	25	25.74	25.84	25.72	25.72	25.75	
10	16QAM	1	49	25.90	25.74	25.81	25.91	25.91	
10	16QAM	25	0	24.66	24.47	24.37	24.51	24.65	
10	16QAM	25	12	24.59	24.47	24.47	24.63	24.66	25
10	16QAM	25	25	24.61	24.43	24.62	24.64	24.60	
10	16QAM	50	0	24.54	24.41	24.39	24.58	24.70	
10	64QAM	1	0	24.80	24.67	24.61	24.73	24.81	
10	64QAM	1	25	24.80	24.66	24.77	24.64	24.81	25
10	64QAM	1	49	24.80	24.64	24.80	24.88	24.94	
10	64QAM	25	0	23.60	23.55	23.43	23.49	23.68	
10	64QAM	25	12	23.62	23.50	23.49	23.58	23.74	
10	64QAM	25	25	23.59	23.41	23.62	23.58	23.65	24
10	64QAM	50	0	23.51	23.45	23.39	23.55	23.67	
10	256QAM	1	0	21.71	21.75	21.78	21.60	21.67	
10	256QAM	1	25	21.74	21.63	21.70	21.64	21.60	
10	256QAM	1	49	21.62	21.77	21.72	21.58	21.68	22
10	256QAM	25	0	21.63	21.65	21.65	21.70	21.59	
10	256QAM	25	12	21.69	21.73	21.79	21.57	21.75	
10	256QAM	25	25	21.75	21.65	21.55	21.79	21.64	
10	256QAM	50	0	21.68	21.67	21.65	21.69	21.71	Tune-up limit (dBm)
Channel				39675	40148	40620	41093	41565	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	27.00
5	QPSK	1	0	26.54	26.55	26.49	26.53	26.66	
5	QPSK	1	12	26.50	26.49	26.32	26.45	26.48	
5	QPSK	1	24	26.54	26.38	26.52	26.51	26.70	
5	QPSK	12	0	25.65	25.53	25.50	25.63	25.80	26
5	QPSK	12	7	25.61	25.45	25.51	25.56	25.77	
5	QPSK	12	13	25.60	25.51	25.59	25.60	25.69	
5	QPSK	25	0	25.57	25.46	25.49	25.58	25.74	
5	16QAM	1	0	25.83	25.78	25.63	25.80	25.87	26
5	16QAM	1	12	25.80	25.84	25.75	25.76	25.75	
5	16QAM	1	24	25.83	25.84	25.84	25.86	25.97	
5	16QAM	12	0	24.65	24.49	24.42	24.56	24.63	
5	16QAM	12	7	24.53	24.42	24.47	24.62	24.73	25
5	16QAM	12	13	24.53	24.48	24.59	24.64	24.63	
5	16QAM	25	0	24.61	24.38	24.43	24.51	24.68	
5	64QAM	1	0	24.79	24.66	24.64	24.74	24.76	
5	64QAM	1	12	24.81	24.70	24.78	24.67	24.81	25
5	64QAM	1	24	24.84	24.65	24.82	24.84	24.90	
5	64QAM	12	0	23.60	23.56	23.40	23.58	23.68	
5	64QAM	12	7	23.60	23.46	23.42	23.54	23.72	
5	64QAM	12	13	23.53	23.43	23.58	23.65	23.58	24
5	64QAM	25	0	23.51	23.46	23.45	23.52	23.63	
5	256QAM	1	0	21.66	21.71	21.81	21.65	21.70	
5	256QAM	1	12	21.77	21.66	21.67	21.63	21.60	
5	256QAM	1	24	21.59	21.72	21.64	21.60	21.69	22
5	256QAM	12	0	21.67	21.67	21.67	21.69	21.59	
5	256QAM	12	7	21.71	21.77	21.73	21.60	21.74	
5	256QAM	12	13	21.75	21.70	21.55	21.77	21.68	
5	256QAM	25	0	21.70	21.68	21.72	21.75	21.68	



<LTE Band 41_HPUE_Ant 5_DSI 3>									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	26.63	26.56	26.50	26.59	26.76	27
20	QPSK	1	49	26.56	26.49	26.42	26.48	26.58	
20	QPSK	1	99	26.55	26.44	26.54	26.58	26.70	
20	QPSK	50	0	25.71	25.58	25.59	25.70	25.84	26
20	QPSK	50	24	25.69	25.54	25.54	25.65	25.81	
20	QPSK	50	50	25.66	25.52	25.61	25.67	25.72	
20	QPSK	100	0	25.63	25.50	25.50	25.63	25.77	26
20	16QAM	1	0	25.90	25.80	25.66	25.85	25.89	
20	16QAM	1	49	25.80	25.85	25.79	25.77	25.82	
20	16QAM	1	99	25.92	25.84	25.89	25.92	25.98	25
20	16QAM	50	0	24.67	24.57	24.45	24.57	24.70	
20	16QAM	50	24	24.63	24.52	24.51	24.64	24.74	
20	16QAM	50	50	24.61	24.50	24.62	24.65	24.70	25
20	16QAM	100	0	24.62	24.47	24.48	24.58	24.73	
20	64QAM	1	0	24.82	24.68	24.69	24.77	24.86	
20	64QAM	1	49	24.85	24.74	24.78	24.72	24.90	25
20	64QAM	1	99	24.85	24.67	24.90	24.93	24.94	
20	64QAM	50	0	23.67	23.56	23.45	23.58	23.68	
20	64QAM	50	24	23.65	23.54	23.52	23.61	23.74	24
20	64QAM	50	50	23.63	23.50	23.62	23.65	23.68	
20	64QAM	100	0	23.61	23.48	23.48	23.59	23.71	
20	256QAM	1	0	21.71	21.78	21.81	21.70	21.70	22
20	256QAM	1	49	21.81	21.66	21.74	21.70	21.68	
20	256QAM	1	99	21.69	21.80	21.72	21.66	21.73	
20	256QAM	50	0	21.69	21.72	21.72	21.75	21.63	22
20	256QAM	50	24	21.74	21.79	21.81	21.61	21.77	
20	256QAM	50	50	21.81	21.72	21.61	21.80	21.73	
20	256QAM	100	0	21.77	21.73	21.73	21.76	21.75	Tune-up limit (dBm)
Channel				39725	40173	40620	41068	41515	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	26.58	26.54	26.45	26.59	26.75	27.00
15	QPSK	1	37	26.50	26.41	26.32	26.43	26.55	
15	QPSK	1	74	26.46	26.42	26.53	26.49	26.66	
15	QPSK	36	0	25.61	25.54	25.52	25.66	25.74	26
15	QPSK	36	20	25.67	25.53	25.47	25.64	25.79	
15	QPSK	36	39	25.61	25.51	25.53	25.65	25.62	
15	QPSK	75	0	25.59	25.44	25.41	25.59	25.71	26
15	16QAM	1	0	25.81	25.71	25.62	25.84	25.81	
15	16QAM	1	37	25.71	25.84	25.73	25.69	25.75	
15	16QAM	1	74	25.90	25.79	25.88	25.89	25.88	25
15	16QAM	36	0	24.64	24.48	24.36	24.53	24.70	
15	16QAM	36	20	24.62	24.48	24.41	24.63	24.73	
15	16QAM	36	39	24.54	24.47	24.55	24.65	24.70	25
15	16QAM	75	0	24.56	24.43	24.41	24.48	24.68	
15	64QAM	1	0	24.79	24.60	24.69	24.77	24.86	
15	64QAM	1	37	24.79	24.68	24.74	24.62	24.90	25
15	64QAM	1	74	24.84	24.64	24.85	24.88	24.93	
15	64QAM	36	0	23.60	23.50	23.37	23.57	23.63	
15	64QAM	36	20	23.57	23.48	23.43	23.51	23.72	24
15	64QAM	36	39	23.62	23.48	23.58	23.61	23.62	
15	64QAM	75	0	23.54	23.43	23.40	23.58	23.62	
15	256QAM	1	0	21.71	21.78	21.77	21.60	21.63	22
15	256QAM	1	37	21.78	21.57	21.71	21.67	21.67	
15	256QAM	1	74	21.68	21.76	21.72	21.57	21.65	
15	256QAM	36	0	21.69	21.66	21.71	21.67	21.53	22
15	256QAM	36	20	21.68	21.73	21.77	21.59	21.73	
15	256QAM	36	39	21.80	21.72	21.55	21.80	21.71	
15	256QAM	75	0	21.75	21.73	21.63	21.75	21.72	Channel
Channel				39700	40160	40620	41080	41540	



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Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	26.54	26.54	26.43	26.57	26.67	27.00
10	QPSK	1	25	26.46	26.46	26.35	26.40	26.52	
10	QPSK	1	49	26.49	26.38	26.46	26.52	26.69	
10	QPSK	25	0	25.62	25.57	25.53	25.61	25.77	26
10	QPSK	25	12	25.62	25.50	25.52	25.64	25.73	
10	QPSK	25	25	25.56	25.42	25.51	25.57	25.69	
10	QPSK	50	0	25.55	25.46	25.43	25.53	25.72	26
10	16QAM	1	0	25.86	25.77	25.61	25.79	25.89	
10	16QAM	1	25	25.74	25.84	25.72	25.72	25.75	
10	16QAM	1	49	25.90	25.74	25.81	25.91	25.91	25
10	16QAM	25	0	24.66	24.47	24.37	24.51	24.65	
10	16QAM	25	12	24.59	24.47	24.47	24.63	24.66	
10	16QAM	25	25	24.61	24.43	24.62	24.64	24.60	25
10	16QAM	50	0	24.54	24.41	24.39	24.58	24.70	
10	64QAM	1	0	24.80	24.67	24.61	24.73	24.81	
10	64QAM	1	25	24.80	24.66	24.77	24.64	24.81	24
10	64QAM	1	49	24.80	24.64	24.80	24.88	24.94	
10	64QAM	25	0	23.60	23.55	23.43	23.49	23.68	
10	64QAM	25	12	23.62	23.50	23.49	23.58	23.74	22
10	64QAM	25	25	23.59	23.41	23.62	23.58	23.65	
10	64QAM	50	0	23.51	23.45	23.39	23.55	23.67	
10	256QAM	1	0	21.71	21.75	21.78	21.60	21.67	22
10	256QAM	1	25	21.74	21.63	21.70	21.64	21.60	
10	256QAM	1	49	21.62	21.77	21.72	21.58	21.68	
10	256QAM	25	0	21.63	21.65	21.65	21.70	21.59	22
10	256QAM	25	12	21.69	21.73	21.79	21.57	21.75	
10	256QAM	25	25	21.75	21.65	21.55	21.79	21.64	
10	256QAM	50	0	21.68	21.67	21.65	21.69	21.71	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	26.54	26.55	26.49	26.53	26.66	27.00
5	QPSK	1	12	26.50	26.49	26.32	26.45	26.48	
5	QPSK	1	24	26.54	26.38	26.52	26.51	26.70	
5	QPSK	12	0	25.65	25.53	25.50	25.63	25.80	26
5	QPSK	12	7	25.61	25.45	25.51	25.56	25.77	
5	QPSK	12	13	25.60	25.51	25.59	25.60	25.69	
5	QPSK	25	0	25.57	25.46	25.49	25.58	25.74	26
5	16QAM	1	0	25.83	25.78	25.63	25.80	25.87	
5	16QAM	1	12	25.80	25.84	25.75	25.76	25.75	
5	16QAM	1	24	25.83	25.84	25.84	25.86	25.97	25
5	16QAM	12	0	24.65	24.49	24.42	24.56	24.63	
5	16QAM	12	7	24.53	24.42	24.47	24.62	24.73	
5	16QAM	12	13	24.53	24.48	24.59	24.64	24.63	25
5	16QAM	25	0	24.61	24.38	24.43	24.51	24.68	
5	64QAM	1	0	24.79	24.66	24.64	24.74	24.76	
5	64QAM	1	12	24.81	24.70	24.78	24.67	24.81	24
5	64QAM	1	24	24.84	24.65	24.82	24.84	24.90	
5	64QAM	12	0	23.60	23.56	23.40	23.58	23.68	
5	64QAM	12	7	23.60	23.46	23.42	23.54	23.72	22
5	64QAM	12	13	23.53	23.43	23.58	23.65	23.58	
5	64QAM	25	0	23.51	23.46	23.45	23.52	23.63	
5	256QAM	1	0	21.66	21.71	21.81	21.65	21.70	22
5	256QAM	1	12	21.77	21.66	21.67	21.63	21.60	
5	256QAM	1	24	21.59	21.72	21.64	21.60	21.69	
5	256QAM	12	0	21.67	21.67	21.67	21.69	21.59	22
5	256QAM	12	7	21.71	21.77	21.73	21.60	21.74	
5	256QAM	12	13	21.75	21.70	21.55	21.77	21.68	
5	256QAM	25	0	21.70	21.68	21.72	21.75	21.68	



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<LTE Band 41_HPUE_Ant 5_WiFi off_DSI 1>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	26.63	26.56	26.50	26.59	26.76	27
20	QPSK	1	49	26.56	26.49	26.42	26.48	26.58	
20	QPSK	1	99	26.55	26.44	26.54	26.58	26.70	
20	QPSK	50	0	25.71	25.58	25.59	25.70	25.84	26
20	QPSK	50	24	25.69	25.54	25.54	25.65	25.81	
20	QPSK	50	50	25.66	25.52	25.61	25.67	25.72	
20	QPSK	100	0	25.63	25.50	25.50	25.63	25.77	26
20	16QAM	1	0	25.90	25.80	25.66	25.85	25.89	
20	16QAM	1	49	25.80	25.85	25.79	25.77	25.82	
20	16QAM	1	99	25.92	25.84	25.89	25.92	25.98	25
20	16QAM	50	0	24.67	24.57	24.45	24.57	24.70	
20	16QAM	50	24	24.63	24.52	24.51	24.64	24.74	
20	16QAM	50	50	24.61	24.50	24.62	24.65	24.70	25
20	16QAM	100	0	24.62	24.47	24.48	24.58	24.73	
20	64QAM	1	0	24.82	24.68	24.69	24.77	24.86	
20	64QAM	1	49	24.85	24.74	24.78	24.72	24.90	25
20	64QAM	1	99	24.85	24.67	24.90	24.93	24.94	
20	64QAM	50	0	23.67	23.56	23.45	23.58	23.68	
20	64QAM	50	24	23.65	23.54	23.52	23.61	23.74	24
20	64QAM	50	50	23.63	23.50	23.62	23.65	23.68	
20	64QAM	100	0	23.61	23.48	23.48	23.59	23.71	
20	256QAM	1	0	21.71	21.78	21.81	21.70	21.70	22
20	256QAM	1	49	21.81	21.66	21.74	21.70	21.68	
20	256QAM	1	99	21.69	21.80	21.72	21.66	21.73	
20	256QAM	50	0	21.69	21.72	21.72	21.75	21.63	22
20	256QAM	50	24	21.74	21.79	21.81	21.61	21.77	
20	256QAM	50	50	21.81	21.72	21.61	21.80	21.73	
20	256QAM	100	0	21.77	21.73	21.73	21.76	21.75	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	26.58	26.54	26.45	26.59	26.75	27.00
15	QPSK	1	37	26.50	26.41	26.32	26.43	26.55	
15	QPSK	1	74	26.46	26.42	26.53	26.49	26.66	
15	QPSK	36	0	25.61	25.54	25.52	25.66	25.74	26
15	QPSK	36	20	25.67	25.53	25.47	25.64	25.79	
15	QPSK	36	39	25.61	25.51	25.53	25.65	25.62	
15	QPSK	75	0	25.59	25.44	25.41	25.59	25.71	26
15	16QAM	1	0	25.81	25.71	25.62	25.84	25.81	
15	16QAM	1	37	25.71	25.84	25.73	25.69	25.75	
15	16QAM	1	74	25.90	25.79	25.88	25.89	25.88	25
15	16QAM	36	0	24.64	24.48	24.36	24.53	24.70	
15	16QAM	36	20	24.62	24.48	24.41	24.63	24.73	
15	16QAM	36	39	24.54	24.47	24.55	24.65	24.70	25
15	16QAM	75	0	24.56	24.43	24.41	24.48	24.68	
15	64QAM	1	0	24.79	24.60	24.69	24.77	24.86	
15	64QAM	1	37	24.79	24.68	24.74	24.62	24.90	25
15	64QAM	1	74	24.84	24.64	24.85	24.88	24.93	
15	64QAM	36	0	23.60	23.50	23.37	23.57	23.63	
15	64QAM	36	20	23.57	23.48	23.43	23.51	23.72	24
15	64QAM	36	39	23.62	23.48	23.58	23.61	23.62	
15	64QAM	75	0	23.54	23.43	23.40	23.58	23.62	
15	256QAM	1	0	21.71	21.78	21.77	21.60	21.63	22
15	256QAM	1	37	21.78	21.57	21.71	21.67	21.67	
15	256QAM	1	74	21.68	21.76	21.72	21.57	21.65	
15	256QAM	36	0	21.69	21.66	21.71	21.67	21.53	22
15	256QAM	36	20	21.68	21.73	21.77	21.59	21.73	
15	256QAM	36	39	21.80	21.72	21.55	21.80	21.71	
15	256QAM	75	0	21.75	21.73	21.63	21.75	21.72	
Channel				39700	40160	40620	41080	41540	



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Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	26.54	26.54	26.43	26.57	26.67	27.00
10	QPSK	1	25	26.46	26.46	26.35	26.40	26.52	
10	QPSK	1	49	26.49	26.38	26.46	26.52	26.69	
10	QPSK	25	0	25.62	25.57	25.53	25.61	25.77	26
10	QPSK	25	12	25.62	25.50	25.52	25.64	25.73	
10	QPSK	25	25	25.56	25.42	25.51	25.57	25.69	
10	QPSK	50	0	25.55	25.46	25.43	25.53	25.72	26
10	16QAM	1	0	25.86	25.77	25.61	25.79	25.89	
10	16QAM	1	25	25.74	25.84	25.72	25.72	25.75	
10	16QAM	1	49	25.90	25.74	25.81	25.91	25.91	25
10	16QAM	25	0	24.66	24.47	24.37	24.51	24.65	
10	16QAM	25	12	24.59	24.47	24.47	24.63	24.66	
10	16QAM	25	25	24.61	24.43	24.62	24.64	24.60	25
10	16QAM	50	0	24.54	24.41	24.39	24.58	24.70	
10	64QAM	1	0	24.80	24.67	24.61	24.73	24.81	
10	64QAM	1	25	24.80	24.66	24.77	24.64	24.81	24
10	64QAM	1	49	24.80	24.64	24.80	24.88	24.94	
10	64QAM	25	0	23.60	23.55	23.43	23.49	23.68	
10	64QAM	25	12	23.62	23.50	23.49	23.58	23.74	22
10	64QAM	25	25	23.59	23.41	23.62	23.58	23.65	
10	64QAM	50	0	23.51	23.45	23.39	23.55	23.67	
10	256QAM	1	0	21.71	21.75	21.78	21.60	21.67	22
10	256QAM	1	25	21.74	21.63	21.70	21.64	21.60	
10	256QAM	1	49	21.62	21.77	21.72	21.58	21.68	
10	256QAM	25	0	21.63	21.65	21.65	21.70	21.59	22
10	256QAM	25	12	21.69	21.73	21.79	21.57	21.75	
10	256QAM	25	25	21.75	21.65	21.55	21.79	21.64	
10	256QAM	50	0	21.68	21.67	21.65	21.69	21.71	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	26.54	26.55	26.49	26.53	26.66	27.00
5	QPSK	1	12	26.50	26.49	26.32	26.45	26.48	
5	QPSK	1	24	26.54	26.38	26.52	26.51	26.70	
5	QPSK	12	0	25.65	25.53	25.50	25.63	25.80	26
5	QPSK	12	7	25.61	25.45	25.51	25.56	25.77	
5	QPSK	12	13	25.60	25.51	25.59	25.60	25.69	
5	QPSK	25	0	25.57	25.46	25.49	25.58	25.74	26
5	16QAM	1	0	25.83	25.78	25.63	25.80	25.87	
5	16QAM	1	12	25.80	25.84	25.75	25.76	25.75	
5	16QAM	1	24	25.83	25.84	25.84	25.86	25.97	25
5	16QAM	12	0	24.65	24.49	24.42	24.56	24.63	
5	16QAM	12	7	24.53	24.42	24.47	24.62	24.73	
5	16QAM	12	13	24.53	24.48	24.59	24.64	24.63	25
5	16QAM	25	0	24.61	24.38	24.43	24.51	24.68	
5	64QAM	1	0	24.79	24.66	24.64	24.74	24.76	
5	64QAM	1	12	24.81	24.70	24.78	24.67	24.81	24
5	64QAM	1	24	24.84	24.65	24.82	24.84	24.90	
5	64QAM	12	0	23.60	23.56	23.40	23.58	23.68	
5	64QAM	12	7	23.60	23.46	23.42	23.54	23.72	22
5	64QAM	12	13	23.53	23.43	23.58	23.65	23.58	
5	64QAM	25	0	23.51	23.46	23.45	23.52	23.63	
5	256QAM	1	0	21.66	21.71	21.81	21.65	21.70	22
5	256QAM	1	12	21.77	21.66	21.67	21.63	21.60	
5	256QAM	1	24	21.59	21.72	21.64	21.60	21.69	
5	256QAM	12	0	21.67	21.67	21.67	21.69	21.59	22
5	256QAM	12	7	21.71	21.77	21.73	21.60	21.74	
5	256QAM	12	13	21.75	21.70	21.55	21.77	21.68	
5	256QAM	25	0	21.70	21.68	21.72	21.75	21.68	



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<LTE Band 48_Ant 8_DSI 0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	56150	56640	21.5
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	20.73	20.99	21.11	21.03	21.5
20	QPSK	1	49	20.69	20.95	21.02	20.97	
20	QPSK	1	99	20.57	20.83	20.84	20.80	
20	QPSK	50	0	19.70	20.04	20.19	20.04	20.5
20	QPSK	50	24	19.75	20.11	20.14	20.03	
20	QPSK	50	50	19.73	20.06	20.08	20.03	
20	QPSK	100	0	19.74	20.08	20.12	20.00	20.5
20	16QAM	1	0	19.73	19.99	20.13	20.02	
20	16QAM	1	49	19.69	19.94	20.03	19.94	
20	16QAM	1	99	19.57	19.88	19.88	19.81	19.5
20	16QAM	50	0	18.72	19.04	19.18	19.06	
20	16QAM	50	24	18.78	19.09	19.15	19.01	
20	16QAM	50	50	18.73	19.04	19.04	19.02	19.5
20	16QAM	100	0	18.73	19.06	19.11	18.99	
20	64QAM	1	0	18.71	18.99	19.13	19.04	
20	64QAM	1	49	18.66	18.97	18.99	18.92	19.5
20	64QAM	1	99	18.59	18.88	18.80	18.80	
20	64QAM	50	0	17.72	18.04	18.17	18.03	
20	64QAM	50	24	17.76	18.10	18.14	18.01	18.5
20	64QAM	50	50	17.73	18.06	18.07	18.03	
20	64QAM	100	0	17.73	18.08	18.09	17.99	
20	256QAM	1	0	16.31	16.39	16.42	16.43	16.5
20	256QAM	1	49	16.44	16.43	16.35	16.37	
20	256QAM	1	99	16.27	16.37	16.45	16.45	
20	256QAM	50	0	16.38	16.47	16.45	16.43	16.5
20	256QAM	50	24	16.35	16.31	16.48	16.48	
20	256QAM	50	50	16.29	16.41	16.42	16.40	
20	256QAM	100	0	16.40	16.49	16.41	16.47	Tune-up limit (dBm)
Channel				55312.93	55809.65	56160	56665	
Frequency (MHz)				3555.43	3606.965	3642	3692.5	21.5
15	QPSK	1	0	20.67	20.99	21.10	20.96	
15	QPSK	1	37	20.65	20.95	20.98	20.87	21.5
15	QPSK	1	74	20.57	20.82	20.77	20.77	
15	QPSK	36	0	19.68	20.02	20.18	20.03	
15	QPSK	36	20	19.67	20.10	20.06	19.99	20.5
15	QPSK	36	39	19.72	20.01	20.03	19.96	
15	QPSK	75	0	19.65	20.03	20.04	19.96	
15	16QAM	1	0	19.68	19.89	20.08	20.02	20.5
15	16QAM	1	37	19.59	19.91	19.97	19.84	
15	16QAM	1	74	19.53	19.79	19.85	19.71	
15	16QAM	36	0	18.66	18.94	19.10	19.03	19.5
15	16QAM	36	20	18.73	18.99	19.08	18.98	
15	16QAM	36	39	18.67	18.97	19.04	19.00	
15	16QAM	75	0	18.63	19.04	19.03	18.94	19.5
15	64QAM	1	0	18.64	18.99	19.13	18.99	
15	64QAM	1	37	18.60	18.90	18.93	18.84	
15	64QAM	1	74	18.58	18.87	18.80	18.74	18.5
15	64QAM	36	0	17.72	18.03	18.16	18.03	
15	64QAM	36	20	17.71	18.10	18.07	17.98	
15	64QAM	36	39	17.73	18.05	18.03	18.03	16.5
15	64QAM	75	0	17.69	18.08	18.04	17.98	
15	256QAM	1	0	16.30	16.32	16.33	16.33	
15	256QAM	1	37	16.39	16.33	16.27	16.30	16.5
15	256QAM	1	74	16.23	16.34	16.40	16.39	
15	256QAM	36	0	16.35	16.46	16.35	16.34	
15	256QAM	36	20	16.34	16.23	16.39	16.38	16.5
15	256QAM	36	39	16.22	16.35	16.38	16.31	
15	256QAM	75	0	16.32	16.39	16.41	16.39	
Channel				55287.93	55804.65	56165	56690	



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Frequency (MHz)				3552.93	3606.465	3642.5	3695	
10	QPSK	1	0	20.69	20.89	21.10	21.02	21.5
10	QPSK	1	25	20.64	20.94	20.97	20.89	
10	QPSK	1	49	20.51	20.80	20.81	20.73	
10	QPSK	25	0	19.67	19.97	20.09	19.94	20.5
10	QPSK	25	12	19.73	20.04	20.05	19.95	
10	QPSK	25	25	19.67	19.97	20.06	19.94	
10	QPSK	50	0	19.74	20.04	20.11	19.94	20.5
10	16QAM	1	0	19.67	19.91	20.07	19.97	
10	16QAM	1	25	19.69	19.88	19.96	19.87	
10	16QAM	1	49	19.47	19.88	19.85	19.72	19.5
10	16QAM	25	0	18.65	18.95	19.08	18.97	
10	16QAM	25	12	18.68	19.03	19.05	18.96	
10	16QAM	25	25	18.67	18.94	19.02	18.95	19.5
10	16QAM	50	0	18.69	18.96	19.06	18.91	
10	64QAM	1	0	18.63	18.94	19.10	19.02	
10	64QAM	1	25	18.57	18.93	18.90	18.90	18.5
10	64QAM	1	49	18.58	18.81	18.77	18.80	
10	64QAM	25	0	17.68	17.95	18.14	17.96	
10	64QAM	25	12	17.70	18.01	18.07	18.01	16.5
10	64QAM	25	25	17.63	18.06	18.04	18.00	
10	64QAM	50	0	17.71	18.08	18.04	17.92	
10	256QAM	1	0	16.23	16.29	16.33	16.43	16.5
10	256QAM	1	25	16.40	16.43	16.32	16.35	
10	256QAM	1	49	16.25	16.27	16.41	16.37	
10	256QAM	25	0	16.35	16.46	16.43	16.40	16.5
10	256QAM	25	12	16.28	16.28	16.41	16.48	
10	256QAM	25	25	16.29	16.37	16.32	16.40	
10	256QAM	50	0	16.37	16.42	16.41	16.42	
Channel				55262.93	55799.65	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3550.43	3605.965	3643	3697.5	
5	QPSK	1	0	20.68	20.92	21.09	20.96	21.5
5	QPSK	1	12	20.64	20.89	20.98	20.97	
5	QPSK	1	24	20.50	20.82	20.83	20.72	
5	QPSK	12	0	19.64	19.96	20.11	20.00	20.5
5	QPSK	12	7	19.74	20.09	20.11	19.97	
5	QPSK	12	13	19.68	20.01	20.06	20.00	
5	QPSK	25	0	19.73	20.01	20.05	19.99	20.5
5	16QAM	1	0	19.67	19.90	20.12	19.92	
5	16QAM	1	12	19.65	19.88	19.95	19.94	
5	16QAM	1	24	19.49	19.78	19.82	19.81	19.5
5	16QAM	12	0	18.70	18.94	19.09	19.00	
5	16QAM	12	7	18.74	19.01	19.08	18.98	
5	16QAM	12	13	18.73	19.00	18.99	18.99	19.5
5	16QAM	25	0	18.69	19.00	19.10	18.95	
5	64QAM	1	0	18.65	18.96	19.10	18.95	
5	64QAM	1	12	18.56	18.90	18.98	18.85	18.5
5	64QAM	1	24	18.55	18.82	18.78	18.71	
5	64QAM	12	0	17.66	17.96	18.17	17.98	
5	64QAM	12	7	17.73	18.03	18.11	18.00	16.5
5	64QAM	12	13	17.71	18.02	18.01	17.98	
5	64QAM	25	0	17.68	18.01	18.00	17.92	
5	256QAM	1	0	16.30	16.38	16.39	16.37	16.5
5	256QAM	1	12	16.37	16.37	16.27	16.37	
5	256QAM	1	24	16.17	16.28	16.45	16.39	
5	256QAM	12	0	16.36	16.45	16.42	16.42	16.5
5	256QAM	12	7	16.30	16.24	16.42	16.41	
5	256QAM	12	13	16.22	16.35	16.39	16.31	
5	256QAM	25	0	16.30	16.45	16.40	16.42	



<LTE Band 48_Ant 8_DSI 3>								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	56150	56640	
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	20.73	20.99	21.11	21.03	21.5
20	QPSK	1	49	20.69	20.95	21.02	20.97	
20	QPSK	1	99	20.57	20.83	20.84	20.80	
20	QPSK	50	0	19.70	20.04	20.19	20.04	20.5
20	QPSK	50	24	19.75	20.11	20.14	20.03	
20	QPSK	50	50	19.73	20.06	20.08	20.03	
20	QPSK	100	0	19.74	20.08	20.12	20.00	
20	16QAM	1	0	19.73	19.99	20.13	20.02	20.5
20	16QAM	1	49	19.69	19.94	20.03	19.94	
20	16QAM	1	99	19.57	19.88	19.88	19.81	
20	16QAM	50	0	18.72	19.04	19.18	19.06	
20	16QAM	50	24	18.78	19.09	19.15	19.01	19.5
20	16QAM	50	50	18.73	19.04	19.04	19.02	
20	16QAM	100	0	18.73	19.06	19.11	18.99	
20	64QAM	1	0	18.71	18.99	19.13	19.04	
20	64QAM	1	49	18.66	18.97	18.99	18.92	19.5
20	64QAM	1	99	18.59	18.88	18.80	18.80	
20	64QAM	50	0	17.72	18.04	18.17	18.03	
20	64QAM	50	24	17.76	18.10	18.14	18.01	18.5
20	64QAM	50	50	17.73	18.06	18.07	18.03	
20	64QAM	100	0	17.73	18.08	18.09	17.99	
20	256QAM	1	0	16.31	16.39	16.42	16.43	
20	256QAM	1	49	16.44	16.43	16.35	16.37	16.5
20	256QAM	1	99	16.27	16.37	16.45	16.45	
20	256QAM	50	0	16.38	16.47	16.45	16.43	
20	256QAM	50	24	16.35	16.31	16.48	16.48	16.5
20	256QAM	50	50	16.29	16.41	16.42	16.40	
20	256QAM	100	0	16.40	16.49	16.41	16.47	
Channel				55312.93	55809.65	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3555.43	3606.965	3642	3692.5	
15	QPSK	1	0	20.67	20.99	21.10	20.96	21.5
15	QPSK	1	37	20.65	20.95	20.98	20.87	
15	QPSK	1	74	20.57	20.82	20.77	20.77	
15	QPSK	36	0	19.68	20.02	20.18	20.03	20.5
15	QPSK	36	20	19.67	20.10	20.06	19.99	
15	QPSK	36	39	19.72	20.01	20.03	19.96	
15	QPSK	75	0	19.65	20.03	20.04	19.96	
15	16QAM	1	0	19.68	19.89	20.08	20.02	20.5
15	16QAM	1	37	19.59	19.91	19.97	19.84	
15	16QAM	1	74	19.53	19.79	19.85	19.71	
15	16QAM	36	0	18.66	18.94	19.10	19.03	19.5
15	16QAM	36	20	18.73	18.99	19.08	18.98	
15	16QAM	36	39	18.67	18.97	19.04	19.00	
15	16QAM	75	0	18.63	19.04	19.03	18.94	
15	64QAM	1	0	18.64	18.99	19.13	18.99	19.5
15	64QAM	1	37	18.60	18.90	18.93	18.84	
15	64QAM	1	74	18.58	18.87	18.80	18.74	
15	64QAM	36	0	17.72	18.03	18.16	18.03	18.5
15	64QAM	36	20	17.71	18.10	18.07	17.98	
15	64QAM	36	39	17.73	18.05	18.03	18.03	
15	64QAM	75	0	17.69	18.08	18.04	17.98	
15	256QAM	1	0	16.30	16.32	16.33	16.33	16.5
15	256QAM	1	37	16.39	16.33	16.27	16.30	
15	256QAM	1	74	16.23	16.34	16.40	16.39	
15	256QAM	36	0	16.35	16.46	16.35	16.34	16.5
15	256QAM	36	20	16.34	16.23	16.39	16.38	
15	256QAM	36	39	16.22	16.35	16.38	16.31	
15	256QAM	75	0	16.32	16.39	16.41	16.39	
Channel				55287.93	55804.65	56165	56690	



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Frequency (MHz)				3552.93	3606.465	3642.5	3695	
10	QPSK	1	0	20.69	20.89	21.10	21.02	21.5
10	QPSK	1	25	20.64	20.94	20.97	20.89	
10	QPSK	1	49	20.51	20.80	20.81	20.73	
10	QPSK	25	0	19.67	19.97	20.09	19.94	20.5
10	QPSK	25	12	19.73	20.04	20.05	19.95	
10	QPSK	25	25	19.67	19.97	20.06	19.94	
10	QPSK	50	0	19.74	20.04	20.11	19.94	20.5
10	16QAM	1	0	19.67	19.91	20.07	19.97	
10	16QAM	1	25	19.69	19.88	19.96	19.87	
10	16QAM	1	49	19.47	19.88	19.85	19.72	19.5
10	16QAM	25	0	18.65	18.95	19.08	18.97	
10	16QAM	25	12	18.68	19.03	19.05	18.96	
10	16QAM	25	25	18.67	18.94	19.02	18.95	19.5
10	16QAM	50	0	18.69	18.96	19.06	18.91	
10	64QAM	1	0	18.63	18.94	19.10	19.02	
10	64QAM	1	25	18.57	18.93	18.90	18.90	18.5
10	64QAM	1	49	18.58	18.81	18.77	18.80	
10	64QAM	25	0	17.68	17.95	18.14	17.96	
10	64QAM	25	12	17.70	18.01	18.07	18.01	16.5
10	64QAM	25	25	17.63	18.06	18.04	18.00	
10	64QAM	50	0	17.71	18.08	18.04	17.92	
10	256QAM	1	0	16.23	16.29	16.33	16.43	16.5
10	256QAM	1	25	16.40	16.43	16.32	16.35	
10	256QAM	1	49	16.25	16.27	16.41	16.37	
10	256QAM	25	0	16.35	16.46	16.43	16.40	16.5
10	256QAM	25	12	16.28	16.28	16.41	16.48	
10	256QAM	25	25	16.29	16.37	16.32	16.40	
10	256QAM	50	0	16.37	16.42	16.41	16.42	
Channel				55262.93	55799.65	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3550.43	3605.965	3643	3697.5	
5	QPSK	1	0	20.68	20.92	21.09	20.96	21.5
5	QPSK	1	12	20.64	20.89	20.98	20.97	
5	QPSK	1	24	20.50	20.82	20.83	20.72	
5	QPSK	12	0	19.64	19.96	20.11	20.00	20.5
5	QPSK	12	7	19.74	20.09	20.11	19.97	
5	QPSK	12	13	19.68	20.01	20.06	20.00	
5	QPSK	25	0	19.73	20.01	20.05	19.99	20.5
5	16QAM	1	0	19.67	19.90	20.12	19.92	
5	16QAM	1	12	19.65	19.88	19.95	19.94	
5	16QAM	1	24	19.49	19.78	19.82	19.81	19.5
5	16QAM	12	0	18.70	18.94	19.09	19.00	
5	16QAM	12	7	18.74	19.01	19.08	18.98	
5	16QAM	12	13	18.73	19.00	18.99	18.99	19.5
5	16QAM	25	0	18.69	19.00	19.10	18.95	
5	64QAM	1	0	18.65	18.96	19.10	18.95	
5	64QAM	1	12	18.56	18.90	18.98	18.85	18.5
5	64QAM	1	24	18.55	18.82	18.78	18.71	
5	64QAM	12	0	17.66	17.96	18.17	17.98	
5	64QAM	12	7	17.73	18.03	18.11	18.00	16.5
5	64QAM	12	13	17.71	18.02	18.01	17.98	
5	64QAM	25	0	17.68	18.01	18.00	17.92	
5	256QAM	1	0	16.30	16.38	16.39	16.37	16.5
5	256QAM	1	12	16.37	16.37	16.27	16.37	
5	256QAM	1	24	16.17	16.28	16.45	16.39	
5	256QAM	12	0	16.36	16.45	16.42	16.42	16.5
5	256QAM	12	7	16.30	16.24	16.42	16.41	
5	256QAM	12	13	16.22	16.35	16.39	16.31	
5	256QAM	25	0	16.30	16.45	16.40	16.42	

<LTE Band 48_Ant 8_WiFi off_DSI 1>								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	56150	56640	
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	20.73	20.99	21.11	21.03	21.5
20	QPSK	1	49	20.69	20.95	21.02	20.97	
20	QPSK	1	99	20.57	20.83	20.84	20.80	
20	QPSK	50	0	19.70	20.04	20.19	20.04	20.5
20	QPSK	50	24	19.75	20.11	20.14	20.03	
20	QPSK	50	50	19.73	20.06	20.08	20.03	
20	QPSK	100	0	19.74	20.08	20.12	20.00	
20	16QAM	1	0	19.73	19.99	20.13	20.02	20.5
20	16QAM	1	49	19.69	19.94	20.03	19.94	
20	16QAM	1	99	19.57	19.88	19.88	19.81	
20	16QAM	50	0	18.72	19.04	19.18	19.06	19.5
20	16QAM	50	24	18.78	19.09	19.15	19.01	
20	16QAM	50	50	18.73	19.04	19.04	19.02	
20	16QAM	100	0	18.73	19.06	19.11	18.99	
20	64QAM	1	0	18.71	18.99	19.13	19.04	19.5
20	64QAM	1	49	18.66	18.97	18.99	18.92	
20	64QAM	1	99	18.59	18.88	18.80	18.80	
20	64QAM	50	0	17.72	18.04	18.17	18.03	18.5
20	64QAM	50	24	17.76	18.10	18.14	18.01	
20	64QAM	50	50	17.73	18.06	18.07	18.03	
20	64QAM	100	0	17.73	18.08	18.09	17.99	
20	256QAM	1	0	16.31	16.39	16.42	16.43	16.5
20	256QAM	1	49	16.44	16.43	16.35	16.37	
20	256QAM	1	99	16.27	16.37	16.45	16.45	
20	256QAM	50	0	16.38	16.47	16.45	16.43	16.5
20	256QAM	50	24	16.35	16.31	16.48	16.48	
20	256QAM	50	50	16.29	16.41	16.42	16.40	
20	256QAM	100	0	16.40	16.49	16.41	16.47	
Channel				55312.93	55809.65	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3555.43	3606.965	3642	3692.5	
15	QPSK	1	0	20.67	20.99	21.10	20.96	21.5
15	QPSK	1	37	20.65	20.95	20.98	20.87	
15	QPSK	1	74	20.57	20.82	20.77	20.77	
15	QPSK	36	0	19.68	20.02	20.18	20.03	20.5
15	QPSK	36	20	19.67	20.10	20.06	19.99	
15	QPSK	36	39	19.72	20.01	20.03	19.96	
15	QPSK	75	0	19.65	20.03	20.04	19.96	
15	16QAM	1	0	19.68	19.89	20.08	20.02	20.5
15	16QAM	1	37	19.59	19.91	19.97	19.84	
15	16QAM	1	74	19.53	19.79	19.85	19.71	
15	16QAM	36	0	18.66	18.94	19.10	19.03	19.5
15	16QAM	36	20	18.73	18.99	19.08	18.98	
15	16QAM	36	39	18.67	18.97	19.04	19.00	
15	16QAM	75	0	18.63	19.04	19.03	18.94	
15	64QAM	1	0	18.64	18.99	19.13	18.99	19.5
15	64QAM	1	37	18.60	18.90	18.93	18.84	
15	64QAM	1	74	18.58	18.87	18.80	18.74	
15	64QAM	36	0	17.72	18.03	18.16	18.03	18.5
15	64QAM	36	20	17.71	18.10	18.07	17.98	
15	64QAM	36	39	17.73	18.05	18.03	18.03	
15	64QAM	75	0	17.69	18.08	18.04	17.98	
15	256QAM	1	0	16.30	16.32	16.33	16.33	16.5
15	256QAM	1	37	16.39	16.33	16.27	16.30	
15	256QAM	1	74	16.23	16.34	16.40	16.39	
15	256QAM	36	0	16.35	16.46	16.35	16.34	16.5
15	256QAM	36	20	16.34	16.23	16.39	16.38	
15	256QAM	36	39	16.22	16.35	16.38	16.31	
15	256QAM	75	0	16.32	16.39	16.41	16.39	



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Channel				55287.93	55804.65	56165	56690	Tune-up limit
Frequency (MHz)				3552.93	3606.465	3642.5	3695	(dBm)
10	QPSK	1	0	20.69	20.89	21.10	21.02	21.5
10	QPSK	1	25	20.64	20.94	20.97	20.89	
10	QPSK	1	49	20.51	20.80	20.81	20.73	
10	QPSK	25	0	19.67	19.97	20.09	19.94	20.5
10	QPSK	25	12	19.73	20.04	20.05	19.95	
10	QPSK	25	25	19.67	19.97	20.06	19.94	
10	QPSK	50	0	19.74	20.04	20.11	19.94	20.5
10	16QAM	1	0	19.67	19.91	20.07	19.97	
10	16QAM	1	25	19.69	19.88	19.96	19.87	
10	16QAM	1	49	19.47	19.88	19.85	19.72	19.5
10	16QAM	25	0	18.65	18.95	19.08	18.97	
10	16QAM	25	12	18.68	19.03	19.05	18.96	
10	16QAM	25	25	18.67	18.94	19.02	18.95	19.5
10	16QAM	50	0	18.69	18.96	19.06	18.91	
10	64QAM	1	0	18.63	18.94	19.10	19.02	
10	64QAM	1	25	18.57	18.93	18.90	18.90	18.5
10	64QAM	1	49	18.58	18.81	18.77	18.80	
10	64QAM	25	0	17.68	17.95	18.14	17.96	
10	64QAM	25	12	17.70	18.01	18.07	18.01	16.5
10	64QAM	25	25	17.63	18.06	18.04	18.00	
10	64QAM	50	0	17.71	18.08	18.04	17.92	
10	256QAM	1	0	16.23	16.29	16.33	16.43	16.5
10	256QAM	1	25	16.40	16.43	16.32	16.35	
10	256QAM	1	49	16.25	16.27	16.41	16.37	
10	256QAM	25	0	16.35	16.46	16.43	16.40	16.5
10	256QAM	25	12	16.28	16.28	16.41	16.48	
10	256QAM	25	25	16.29	16.37	16.32	16.40	
10	256QAM	50	0	16.37	16.42	16.41	16.42	
Channel				55262.93	55799.65	56170	56715	Tune-up limit
Frequency (MHz)				3550.43	3605.965	3643	3697.5	(dBm)
5	QPSK	1	0	20.68	20.92	21.09	20.96	21.5
5	QPSK	1	12	20.64	20.89	20.98	20.97	
5	QPSK	1	24	20.50	20.82	20.83	20.72	
5	QPSK	12	0	19.64	19.96	20.11	20.00	20.5
5	QPSK	12	7	19.74	20.09	20.11	19.97	
5	QPSK	12	13	19.68	20.01	20.06	20.00	
5	QPSK	25	0	19.73	20.01	20.05	19.99	20.5
5	16QAM	1	0	19.67	19.90	20.12	19.92	
5	16QAM	1	12	19.65	19.88	19.95	19.94	
5	16QAM	1	24	19.49	19.78	19.82	19.81	19.5
5	16QAM	12	0	18.70	18.94	19.09	19.00	
5	16QAM	12	7	18.74	19.01	19.08	18.98	
5	16QAM	12	13	18.73	19.00	18.99	18.99	19.5
5	16QAM	25	0	18.69	19.00	19.10	18.95	
5	64QAM	1	0	18.65	18.96	19.10	18.95	
5	64QAM	1	12	18.56	18.90	18.98	18.85	18.5
5	64QAM	1	24	18.55	18.82	18.78	18.71	
5	64QAM	12	0	17.66	17.96	18.17	17.98	
5	64QAM	12	7	17.73	18.03	18.11	18.00	16.5
5	64QAM	12	13	17.71	18.02	18.01	17.98	
5	64QAM	25	0	17.68	18.01	18.00	17.92	
5	256QAM	1	0	16.30	16.38	16.39	16.37	16.5
5	256QAM	1	12	16.37	16.37	16.27	16.37	
5	256QAM	1	24	16.17	16.28	16.45	16.39	
5	256QAM	12	0	16.36	16.45	16.42	16.42	16.5
5	256QAM	12	7	16.30	16.24	16.42	16.41	
5	256QAM	12	13	16.22	16.35	16.39	16.31	
5	256QAM	25	0	16.30	16.45	16.40	16.42	

2. LTE DL/UL Carrier Aggregation Output Power

<LTE DL Carrier Aggregation combinations>

General Note:

1. This device supports Carrier Aggregation on downlink only for inter and intra band. For the device supports combination bands and configurations are according to 3GPP.
2. In applying the existing power measurement procedure of KDB 941225 D05A for DL CA SAR test exclusion, only the subset with the largest number of combinations of the frequency band and CCs in each row need consideration, and that configurations require power measurement should be highlighted in the below table.

2CC Downlink Carrier Aggregation			3CC Downlink Carrier Aggregation			4CC Downlink Carrier Aggregation		
Number	Combination	Covered by Measurement Superset	Number	Combination	Covered by Measurement Superset	Number	Combination	Covered by Measurement Superset
1	CA_2C	231	55	CA_41D	190	148	CA_41E	190
2	CA_5B	234	56	CA_48D	237	149	CA_48E	237
3	CA_7B	233	57	CA_66D	237	150	CA_41A-41A-41C	190
4	CA_7C	233	58	CA_25A-25A-25A	189	151	CA_41A-41D	190
5	CA_12B	224	59	CA_41A-41A-41A	190	152	CA_48A-48D	237
6	CA_38C	38	60	CA_41A-41C	190	153	CA_48C-48C	237
7	CA_41C	190	61	CA_48A-48C	237	154	CA_2A-2A-5B	216
8	CA_48B	237	62	CA_66A-66A-66A	237	155	CA_2A-2A-12A-12A	224
9	CA_48C	237	63	CA_66A-66B	237	156	CA_2A-2A-12B	224
10	CA_66B	237	64	CA_66A-66C	237	157	CA_2A-2A-66B	231
11	CA_66C	237	65	CA_2A-2A-4A	211	158	CA_2A-2A-66C	231
12	CA_2A-2A	231	66	CA_2A-2A-5A	216	159	CA_2A-48A-48C	231
13	CA_4A-4A	211	67	CA_2A-2A-7A	221	160	CA_2A-48D	231
14	CA_5A-5A	234	68	CA_2A-2A-12A	224	161	CA_2A-66A-66A-66A	231
15	CA_7A-7A	233	69	CA_2A-2A-13A	228	162	CA_2A-66A-66B	231
16	CA_12A-12A	224	70	CA_2A-2A-14A	229	163	CA_2A-66A-66C	231
17	CA_25A-25A	189	71	CA_2A-2A-66A	231	164	CA_2C-66A-66A	231
18	CA_41A-41A	190	72	CA_2A-4A-4A	211	165	CA_4A-4A-5B	208
19	CA_48A-48A	237	73	CA_2A-5B	216	166	CA_4A-4A-12A-12A	211
20	CA_66A-66A	237	74	CA_2C-5A	216	167	CA_4A-4A-12B	211
21	CA_2A-4A	211	75	CA_2A-7A-7A	221	168	CA_4A-48D	
22	CA_2A-5A	216	76	CA_2A-7C	221	169	CA_5A-5A-66A-66A	234
23	CA_2A-7A	221	77	CA_2A-12A-12A	224	170	CA_5A-5A-66B	234
24	CA_2A-12A	224	78	CA_2A-12B	224	171	CA_5A-5A-66C	234
25	CA_2A-13A	228	79	CA_2C-12A	224	172	CA_5A-48D	234
26	CA_2A-14A	229	80	CA_2A-48A-48A	231	173	CA_5A-66A-66B	234
27	CA_2A-17A		81	CA_2A-48C	231	174	CA_5A-66A-66C	234
28	CA_2A-48A	231	82	CA_2A-66A-66A	231	175	CA_5B-66A-66A	234
29	CA_2A-66A	231	83	CA_2A-66B	231	176	CA_5A-66D	234
30	CA_4A-5A	208	84	CA_2A-66C	231	177	CA_5B-66B	234
31	CA_4A-7A	210	85	CA_2C-66A	231	178	CA_5B-66C	234
32	CA_4A-12A	211	86	CA_4A-4A-5A	208	179	CA_7A-7A-66A-66A	233
33	CA_4A-13A	131	87	CA_4A-4A-7A	210	180	CA_7C-66A-66A	233
34	CA_4A-17A		88	CA_4A-4A-12A	211	181	CA_12B-66A-66A	224
35	CA_4A-48A	168	89	CA_4A-4A-13A	131	182	CA_13A-48A-48C	237
36	CA_5A-7A	233	90	CA_4A-5B	208	183	CA_13A-48D	237
37	CA_5A-25A		91	CA_4A-7A-7A	210	184	CA_13A-66A-66B	237
38	CA_5A-38A		92	CA_4A-7C	210	185	CA_13A-66A-66C	237
39	CA_5A-41A		93	CA_4A-12A-12A	211	186	CA_13A-66D	237
40	CA_5A-48A	234	94	CA_4A-12B	211	187	CA_14A-66A-66A-66A	229
41	CA_5A-66A	234	95	CA_4A-48C	168	188	CA_25A-25A-41C	189
42	CA_7A-12A	201	96	CA_5A-5A-66A	234	189	CA_25A-41D	
43	CA_7A-13A	219	97	CA_5A-7A-7A	233	190	CA_26A-41D	

44	CA_7A-26A	105	98	CA_5A-7C	233	191	CA_48A-48A-66A-66A	237
45	CA_7A-66A	233	99	CA_5A-48C	234	192	CA_48A-48A-66B	237
46	CA_12A-25A		100	CA_5A-66A-66A	234	193	CA_48A-48A-66C	237
47	CA_12A-66A	224	101	CA_5A-66B	234	194	CA_48A-48C-66A	237
48	CA_13A-48A	237	102	CA_5A-66C	234	195	CA_48C-66A-66A	237
49	CA_13A-66A	237	103	CA_5B-66A	234	196	CA_48C-66B	237
50	CA_14A-66A	229	104	CA_7A-7A-13A	219	197	CA_48C-66C	237
51	CA_25A-26A	120	105	CA_7A-7A-26A		198	CA_2A-2A-4A-5A	208
52	CA_25A-41A	189	106	CA_7A-7A-66A	233	199	CA_2A-2A-4A-12A	211
53	CA_41A-48A		107	CA_7A-12B	201	200	CA_2A-2A-5A-66A	216
54	CA_48A-66A	237	108	CA_7C-13A	219	201	CA_2A-2A-7A-12A	
			109	CA_7A-66A-66A	233	202	CA_2A-2A-7A-66A	221
			110	CA_7C-66A	233	203	CA_2A-2A-12A-66A	224
			111	CA_12A-66A-66A	224	204	CA_2A-2A-13A-66A	228
			112	CA_12A-66C	224	205	CA_2A-2A-14A-66A	229
			113	CA_12B-66A	224	206	CA_2A-4A-4A-5A	208
			114	CA_13A-48A-48A	237	207	CA_2A-4A-4A-12A	211
			115	CA_13A-48C	237	208	CA_2A-4A-5B	
			116	CA_13A-66A-66A	237	209	CA_2A-4A-7A-7A	210
			117	CA_13A-66B	237	210	CA_2A-4A-7C	
			118	CA_13A-66C	237	211	CA_2A-4A-12B	
			119	CA_14A-66A-66A	229	212	CA_2A-5A-48C	
			120	CA_25A-25A-26A		213	CA_2A-5A-66A-66A	216
			121	CA_25A-25A-41A	189	214	CA_2A-5A-66B	216
			122	CA_25A-41C	189	215	CA_2A-5A-66C	216
			123	CA_48A-48A-66A	237	216	CA_2A-5B-66A	
			124	CA_48A-66A-66A	237	217	CA_2A-7A-7A-13A	219
			125	CA_48A-66B	237	218	CA_2A-7A-7A-66A	221
			126	CA_48A-66C	237	219	CA_2A-7C-13A	
			127	CA_48C-66A	237	220	CA_2A-7A-66A-66A	221
			128	CA_2A-4A-5A	208	221	CA_2A-7C-66A	
			129	CA_2A-4A-7A	210	222	CA_2A-12A-66A-66A	224
			130	CA_2A-4A-12A	211	223	CA_2A-12A-66C	224
			131	CA_2A-4A-13A		224	CA_2A-12B-66A	
			132	CA_2A-5A-7A		225	CA_2A-13A-48C	
			133	CA_2A-5A-48A	212	226	CA_2A-13A-66A-66A	228
			134	CA_2A-5A-66A	216	227	CA_2A-13A-66B	228
			135	CA_2A-7A-12A	201	228	CA_2A-13A-66C	
			136	CA_2A-7A-13A	219	229	CA_2A-14A-66A-66A	
			137	CA_2A-7A-66A	221	230	CA_2A-48A-66A-66A	231
			138	CA_2A-12A-66A	224	231	CA_2A-48C-66A	
			139	CA_2A-13A-48A	225	232	CA_5A-7A-66A-66A	233
			140	CA_2A-13A-66A	228	233	CA_5A-7C-66A	
			141	CA_2A-14A-66A	229	234	CA_5A-48C-66A	
			142	CA_2A-48A-66A	231	235	CA_13A-48A-66B	237
			143	CA_4A-7A-12A		236	CA_13A-48A-66C	237
			144	CA_5A-7A-66A	233	237	CA_13A-48C-66A	
			145	CA_5A-48A-66A	234			
			146	CA_7A-12A-66A				
			147	CA_13A-48A-66A	237			

<Power verification when LTE Carrier Aggregation Active>
General Note:

- i. According to KDB941225 D05A v01r02, Uplink maximum output power measurement with downlink carrier aggregation active should be measured, using the highest output channel measured without downlink carrier aggregation, to confirm that uplink maximum output power with downlink carrier aggregation active remains within the specified tune-up tolerance limits and not more than ¼ dB higher than the maximum output measured without downlink carrier aggregation active.
- ii. Uplink maximum output power with downlink carrier aggregation active does not show more than ¼ dB higher than the maximum output power without downlink carrier aggregation active, therefore SAR evaluation with downlink carrier aggregation active can be excluded.
- iii. The device supports downlink two carrier aggregation. For power measurement were control and acknowledge data is sent on uplink channels that operate identical to specifications when downlink carrier aggregation is inactive.
- iv. Selected highest measured power when downlink carrier aggregation is inactive for conducted power comparison with downlink carrier aggregation is active, to confirm that when downlink carrier aggregation is active uplink maximum output power remains within the specified tune-up tolerance limits and not more than ¼ dB higher than the maximum output power measured when downlink carrier aggregation inactive.
- v. For non-contiguous intra-band CA, the SCC selected to provide maximum separation from the PCC and must remain fully within the downlink transmission band.
- vi. For Intra-band, contiguous CA, the downlink channels selected to perform the uplink power measurement must satisfy 3GPP channel spacing (5.4.1A of 3GPP TS 36.521 or equivalent) and channel bandwidth (5.4.2A) requirements.

$$\text{Nominal channel spacing} = \left\lceil \frac{BW_{\text{Channel}(1)} + BW_{\text{Channel}(2)} - 0.1|BW_{\text{Channel}(1)} - BW_{\text{Channel}(2)}|}{0.6} \right\rceil 0.3 \text{ [MHz]}$$

<Two Carrier power verification>

Configure	PCC							SCC				Power	
	LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)
Inter-Band	2	20	1900	19100	QPSK	1	0	17	10	740	5790	23.66	23.86
	4	20	1745	20300	QPSK	1	0	17	10	740	5790	23.55	23.83
	5	10	829	20450	QPSK	1	0	25	20	1960	8340	24.45	24.70
	5	10	829	20450	QPSK	1	0	38	20	2595	38000	24.43	24.70
	5	10	829	20450	QPSK	1	0	41	20	2593	40620	24.40	24.70
	12	10	707.5	23095	QPSK	1	0	25	20	1960	8340	23.77	23.99
	41	10	707.5	23095	QPSK	1	0	48	20	3625	55990	23.69	23.99

<Three Carrier power verification>

Configure	PCC							SCC1				SCC2				Power	
	LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)
Inter-Band	2	20	1900	19100	QPSK	1	0	4	20	2132.5	2175	13	10	751	5230	23.61	23.86
	2	20	2535	21100	QPSK	1	0	5	10	881.5	2525	7	20	2655	3100	23.57	23.86
	4	20	1900	19100	QPSK	1	0	7	20	2655	3100	12	10	737.5	5095	23.54	23.83
	4	20	1745	20300	QPSK	1	0	7	20	2655	3100	12	10	737.5	5095	23.55	23.83
	7	20	1745	20300	QPSK	1	0	7	5	2622.5	2775	26	15	876.5	8865	23.22	23.47
	7	20	2535	21100	QPSK	1	0	12	10	737.5	5095	66	20	2155	66886	23.22	23.47

<Four Carrier power verification>

Configure	PCC							SCC1				SCC2				SCC3				Power	
	LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)
Inter-Band	2	20	1900	19100	QPSK	1	0	7	20	2655	3100	2	20	1960	900	12	10	737.5	5095	23.60	23.86
	2	20	680.5	133297	QPSK	1	0	4	20	2132.5	2175	5	10	891.4	2534.9	5	10	871.6	2515.1	23.57	23.86
	2	20	1900	19100	QPSK	1	0	4	20	2132.5	2175	7	20	2612.8	40818	7	20	2573.2	40422	23.65	23.86
	2	20	1900	19100	QPSK	1	0	4	20	2132.5	2175	12	10	747.4	5104.9	12	10	727.6	5085.1	23.56	23.86
	2	20	1900	19100	QPSK	1	0	5	10	881.5	2525	48	20	3644.8	56188	48	20	3664.6	56386	23.62	23.86
	2	20	1900	19100	QPSK	1	0	66	20	2155	66886	5	10	891.4	2534.9	5	10	871.6	2515.1	23.58	23.86
	2	20	1900	19100	QPSK	1	0	13	10	751	5230	7	20	2612.8	40818	7	20	2573.2	40422	23.63	23.86
	2	20	1900	19100	QPSK	1	0	66	20	2155	66886	7	20	2612.8	40818	7	20	2573.2	40422	23.62	23.86
	2	20	1900	19100	QPSK	1	0	66	20	2155	66886	12	10	747.4	5104.9	12	10	727.6	5085.1	23.59	23.86
	2	20	680.5	133297	QPSK	1	0	13	10	751	5230	48	20	3644.8	56188	48	20	3664.6	56386	23.65	23.86
	2	10	829	20450	QPSK	1	0	13	10	751	5230	66	20	2612.8	40818	66	20	2573.2	40422	23.61	23.86
	2	20	2680	41490	QPSK	1	0	66	20	2155	66886	14	10	763	5330	66	20	2155	66886	23.56	23.86
	2	20	1900	19100	QPSK	1	0	66	20	2155	66886	48	20	3644.8	56188	48	20	3664.6	56386	23.61	23.86
	4	20	1900	19100	QPSK	1	0	48	20	3644.8	56188	48	20	3664.6	56386	48	20	3684.4	56584	24.33	24.53
	5	20	1900	19100	QPSK	1	0	66	20	2155	66886	7	20	2612.8	40818	7	20	2573.2	40422	24.43	24.70
	5	20	1900	19100	QPSK	1	0	66	20	2155	66886	48	20	3644.8	56188	48	20	3664.6	56386	24.50	24.70
	13	20	680.5	133297	QPSK	1	0	66	20	2155	66886	48	20	3644.8	56188	48	20	3664.6	56386	24.02	24.23
	25	10	829	20450	QPSK	1	0	41	20	2612.8	40818	41	5	2632.6	41016	41	20	2652.4	41214	23.67	23.90
	26	20	2680	41490	QPSK	1	0	41	20	2612.8	40818	41	5	2632.6	41016	41	20	2652.4	41214	23.75	24.01

<LTE Uplink carrier aggregation>

Number	Combination
1	2C
2	5B
3	7C
4	38C
5	41C
6	41D
7	48C
8	66B
9	66C

<Intra-band>
General Note:

- The device supports intra-band uplink carrier aggregation with a maximum of three 20MHz component carriers. For intra band contiguous carrier aggregation scenarios, 3GPP 36.101 table 6.2.2A-1 specifies that the aggregate maximum allowed output power is equivalent to the single carrier scenario. 3GPP 36.101 6.2.3A allows for several dB of MPR to be applied when not-contiguous RB allocation is implemented. The conducted power and MPR setting in this device are permanently implemented pre 3GPP requirement.
- The device supports uplink carrier aggregation with a maximum of two 20MHz component carriers. For intra band contiguous carrier aggregation scenarios, 3GPP 36.101 table 6.2.2A-1 specifies that the aggregate maximum allowed output power is equivalent to the single carrier scenario. 3GPP 36.101 6.2.3A allows for several dB of MPR to be applied when not-contiguous RB allocation is implemented. The conducted power and MPR setting in this device are permanently implemented pre the 3GPP requirement.
- According TCB workshop, the output power with uplink CA active was measured for the configuration with the highest reported SAR with single carrier for each exposure condition. The power was measured with wideband signal integration over both component carriers.
- According TCB workshop, the output power with uplink CA active was measured for the configuration with the highest reported SAR with single carrier for each exposure condition. The power was measured with wideband signal integration over both component carriers.
- Additional SAR measurement for LTE UL CA with other DL CA combinations active were not required since the maximum output power for this configuration was not > 0.25dB higher than the maximum output power for UL CA active.

<DSI 1>

CA_2C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
18700	18898	QPSK	1	0	0	0	1	0	23.06	25
18900	18702	QPSK	1	0	0	0	1	0	23.36	25
19100	18902	QPSK	1	0	0	0	1	0	23.77	25

CA_5B										
Combination 10MHz+10MHz (50RB+50RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20549	QPSK	1	0	0	0	1	0	23.98	24.5
20475	20574	QPSK	1	49	1	0	2	0	23.89	24.5
20600	20501	QPSK	1	0	1	49	2	0	24	24.5

CA_7C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	0	0	0	1	0	23.33	25
21100	20902	QPSK	1	0	1	99	2	0	23.14	25
21350	21152	QPSK	1	0	1	99	2	0	23.23	25

CA_38C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
37850	38048	QPSK	1	0	0	0	1	0	23.57	25
37901	38099	QPSK	1	0	0	0	1	0	23.34	25
38150	37952	QPSK	1	0	1	99	2	0	23.56	25

CA_41C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	0	0	0	1	0	23.5	25
40185	39987	QPSK	1	0	1	99	2	0	23.64	25
40620	40422	QPSK	1	0	1	99	2	0	23.66	25
41055	40857	QPSK	1	0	1	99	2	0	23.4	25
41490	41292	QPSK	1	0	1	99	2	0	23.68	25

CA_41D													
Combination 20MHz+20MHz+20MHz (100RB+100RB+100RB)													
PCC Channel	SCC Channel	SCC Channel	Modulation	PCC		SCC2		SCC3		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
				RB Size	RB offset	RB Size	RB offset	RB Size	RB offset				
39750	39948	40146	QPSK	1	0	0	0	0	0	1	0	23.56	25
40185	39987	39789	QPSK	1	0	1	99	1	99	3	0	23.62	25
40620	40422	40224	QPSK	1	0	1	99	1	99	3	0	23.71	25
41055	40857	40659	QPSK	1	0	1	99	1	99	3	0	23.66	25
41490	41292	41094	QPSK	1	0	1	99	1	99	3	0	23.68	25

CA_48C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
55340	55538	QPSK	1	0	0	0	1	0	20.99	21.5
55830	55632	QPSK	1	0	1	99	2	0	20.88	21.5
56150	55952	QPSK	1	0	1	99	2	0	20.79	21.5
56640	56442	QPSK	1	0	1	99	2	0	20.93	21.5

CA_66B										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	0	0	1	0	23.5	25
132322	132229	QPSK	1	0	1	24	2	0	23.28	25
132597	132504	QPSK	1	0	1	24	2	0	23.41	25

CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	0	0	0	1	0	23.56	25
132322	132124	QPSK	1	0	1	99	2	0	23.22	25
132572	132374	QPSK	1	0	1	99	2	0	23.38	25

<DSI 3>

CA_2C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
18700	18898	QPSK	1	0	0	0	1	0	23.06	24.1
18900	18702	QPSK	1	0	0	0	1	0	23.36	24.1
19100	18902	QPSK	1	0	0	0	1	0	23.77	24.1

CA_5B										
Combination 10MHz+10MHz (50RB+50RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20549	QPSK	1	0	0	0	1	0	23.98	24.5
20475	20574	QPSK	1	49	1	0	2	0	23.89	24.5
20600	20501	QPSK	1	0	1	49	2	0	24	24.5

CA_7C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	0	0	0	1	0	23.33	23.5
21100	20902	QPSK	1	0	1	99	2	0	23.14	23.5
21350	21152	QPSK	1	0	1	99	2	0	23.23	23.5

CA_38C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
37850	38048	QPSK	1	0	0	0	1	0	23.57	25
37901	38099	QPSK	1	0	0	0	1	0	23.34	25
38150	37952	QPSK	1	0	1	99	2	0	23.56	25

CA_41C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	0	0	0	1	0	23.5	25
40185	39987	QPSK	1	0	1	99	2	0	23.64	25
40620	40422	QPSK	1	0	1	99	2	0	23.66	25
41055	40857	QPSK	1	0	1	99	2	0	23.4	25
41490	41292	QPSK	1	0	1	99	2	0	23.68	25

CA_41D													
Combination 20MHz+20MHz+20MHz (100RB+100RB+100RB)													
PCC Channel	SCC Channel	SCC Channel	Modulation	PCC		SCC2		SCC3		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
				RB Size	RB offset	RB Size	RB offset	RB Size	RB offset				
39750	39948	40146	QPSK	1	0	0	0	0	0	1	0	23.56	25
40185	39987	39789	QPSK	1	0	1	99	1	99	3	0	23.62	25
40620	40422	40224	QPSK	1	0	1	99	1	99	3	0	23.71	25
41055	40857	40659	QPSK	1	0	1	99	1	99	3	0	23.66	25
41490	41292	41094	QPSK	1	0	1	99	1	99	3	0	23.68	25

CA_48C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
55340	55538	QPSK	1	0	0	0	1	0	20.99	21.5
55830	55632	QPSK	1	0	1	99	2	0	20.88	21.5
56150	55952	QPSK	1	0	1	99	2	0	20.79	21.5
56640	56442	QPSK	1	0	1	99	2	0	20.93	21.5

CA_66B										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	0	0	1	0	23.5	24.6
132322	132229	QPSK	1	0	1	24	2	0	23.28	24.6
132597	132504	QPSK	1	0	1	24	2	0	23.41	24.6

CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	0	0	0	1	0	23.56	24.6
132322	132124	QPSK	1	0	1	99	2	0	23.22	24.6
132572	132374	QPSK	1	0	1	99	2	0	23.38	24.6

3. 5G NR Output Power (Unit: dBm)

General Note:

1. Referencing the procedure in KDB 941225, the test procedures are outlined as below
 - a. For DFT-OFDM output power measurement, full measurement was done for Pi/2 BPSK and QPSK and for the largest supported bandwidth, repeat test for 16QAM/64QAM/256QAM under 1RB 1Offset configuration. For smaller bandwidth, measure conducted power for Pi/2 BPSK and 1RB 1Offset configuration.
 - b. According to the tune-up, CP-OFDM output power is not ½ dB higher than DFT-OFDM mode, and the reported SAR of DFT-OFDM mode reported SAR is ≤ 1.45 W/kg, SAR test and thus conducted power for CP-OFDM mode is not required.
 - c. To start SAR test for the largest channel bandwidth for Pi/2 BPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel. Also do SAR test for 50% RB allocation for Pi/2 BPSK SAR testing using 1RB Pi/2 BPSK allocation procedure
 - d. For Pi/2 BPSK with 100% RB allocation, SAR test is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.
 - e. For higher modulation QPSK/16QAM/64QAM/256QAM, according to tune-up document the power level is not ½ dB higher than the same configuration in Pi/2 BPSK, also reported SAR for the Pi/2 BPSK configuration is less than 1.45 W/kg, QPSK/16QAM/64QAM/256QAM SAR testing are not required.
 - f. Smaller bandwidth output power for each RB allocation configuration for this device is not ½ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg, smaller bandwidth SAR testing is not required for this device
2. Due to test setup limitations, SAR testing for NR was performed using Factory Test Mode software to establish the connection and perform SAR with 100% transmission. And only for TDD power class2 was performed using Factory Test Mode software to establish the connection and perform SAR with 50% transmission.

<3GPP 38.101 MPR for EN-DC>
Table 6.2.2-1 Maximum power reduction (MPR) for power class 3

Modulation		MPR (dB)		
		Edge RB allocations	Outer RB allocations	Inner RB allocations
DFT-s-OFDM	Pi/2 BPSK	$\leq 3.5^1$ $\leq 0.5^2$	$\leq 1.2^1$ $\leq 0.5^2$	$\leq 0.2^1$ 0^2
	QPSK	≤ 1		
	16 QAM	≤ 2		
	64 QAM	≤ 2.5		
	256 QAM	≤ 4.5		
CP-OFDM	QPSK	≤ 3		≤ 1.5
	16 QAM	≤ 3		≤ 2
	64 QAM	≤ 3.5		
	256 QAM	≤ 6.5		

NOTE 1: Applicable for UE operating in TDD mode with Pi/2 BPSK modulation and UE indicates support for UE capability *powerBoosting-pi2BPSK* and if the IE *powerBoostPi2BPSK* is set to 1 and 40 % or less slots in radio frame are used for UL transmission for bands n40, n41, n77, n78 and n79. The reference power of 0 dB MPR is 26 dBm.

NOTE 2: Applicable for UE operating in FDD mode, or in TDD mode in bands other than n40, n41, n77, n78 and n79 with Pi/2 BPSK modulation and if the IE *powerBoostPi2BPSK* is set to 0 and if more than 40 % of slots in radio frame are used for UL transmission for bands n40, n41, n77, n78 and n79.

Table 6.2.2-2 Maximum power reduction (MPR) for power class 2

Modulation		MPR (dB)		
		Edge RB allocations	Outer RB allocations	Inner RB allocations
DFT-s-OFDM	Pi/2 BPSK	≤ 3.5	≤ 0.5	0
	QPSK	≤ 3.5	≤ 1	0
	16 QAM	≤ 3.5	≤ 2	≤ 1
	64 QAM	≤ 3.5	≤ 2.5	
	256 QAM	≤ 4.5		
CP-OFDM	QPSK	≤ 3.5	≤ 3	≤ 1.5
	16 QAM	≤ 3.5	≤ 3	≤ 2
	64 QAM	≤ 3.5		
	256 QAM	≤ 6.5		

<FR1 n2_Ant 1_DSI 0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	23.61	23.63	23.95	25.0
20	PI/2 BPSK	1	53	23.57	23.62	23.71	
20	PI/2 BPSK	1	104	23.63	23.75	23.93	
20	PI/2 BPSK	50	0	23.49	23.59	23.70	24.5
20	PI/2 BPSK	50	28	23.66	23.77	23.85	25.0
20	PI/2 BPSK	50	56	23.61	23.71	23.84	24.5
20	PI/2 BPSK	100	0	23.66	23.69	23.86	
20	QPSK	1	1	23.63	23.65	23.73	25.0
20	QPSK	1	53	23.57	23.67	23.75	
20	QPSK	1	104	23.65	23.71	23.89	
20	QPSK	50	0	23.57	23.63	23.79	24.0
20	QPSK	50	28	23.68	23.72	23.86	25.0
20	QPSK	50	56	23.68	23.77	23.91	24.0
20	QPSK	100	0	23.56	23.66	23.77	
20	16QAM	1	1	23.73	23.75	23.89	24.0
20	64QAM	1	1	22.15	22.26	22.42	22.5
20	256QAM	1	1	20.22	20.32	20.42	20.5
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	23.54	23.55	23.80	25.0
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	23.56	23.63	23.80	25.0
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	23.52	23.56	23.76	25.0

<FR1 n2_Ant 1_DSI 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	21.54	21.63	21.91	
20	PI/2 BPSK	1	53	21.50	21.62	21.69	22.7
20	PI/2 BPSK	1	104	21.60	21.70	21.86	
20	PI/2 BPSK	50	0	21.43	21.53	21.60	
20	PI/2 BPSK	50	28	21.64	21.71	21.78	22.7
20	PI/2 BPSK	50	56	21.61	21.68	21.80	22.7
20	PI/2 BPSK	100	0	21.66	21.63	21.77	
20	QPSK	1	1	21.61	21.56	21.69	
20	QPSK	1	53	21.51	21.59	21.73	22.7
20	QPSK	1	104	21.55	21.62	21.89	
20	QPSK	50	0	21.57	21.57	21.77	
20	QPSK	50	28	21.63	21.67	21.77	22.7
20	QPSK	50	56	21.59	21.76	21.84	22.7
20	QPSK	100	0	21.56	21.57	21.69	
20	16QAM	1	1	21.68	21.72	21.84	
20	64QAM	1	1	21.05	21.17	21.39	22.7
20	256QAM	1	1	20.20	20.28	20.40	20.5
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	21.47	21.50	21.66	
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	21.43	21.54	21.65	
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	21.42	21.55	21.64	



<FR1 n2_Ant 1_WiFi off_DSI 1>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	23.61	23.63	23.95	
20	PI/2 BPSK	1	53	23.57	23.62	23.71	25.0
20	PI/2 BPSK	1	104	23.63	23.75	23.93	
20	PI/2 BPSK	50	0	23.49	23.59	23.70	
20	PI/2 BPSK	50	28	23.66	23.77	23.85	24.5
20	PI/2 BPSK	50	56	23.61	23.71	23.84	25.0
20	PI/2 BPSK	100	0	23.66	23.69	23.86	
20	QPSK	1	1	23.63	23.65	23.73	
20	QPSK	1	53	23.57	23.67	23.75	25.0
20	QPSK	1	104	23.65	23.71	23.89	
20	QPSK	50	0	23.57	23.63	23.79	
20	QPSK	50	28	23.68	23.72	23.86	24.0
20	QPSK	50	56	23.68	23.77	23.91	25.0
20	QPSK	100	0	23.56	23.66	23.77	
20	16QAM	1	1	23.73	23.75	23.89	
20	64QAM	1	1	22.15	22.26	22.42	24.0
20	256QAM	1	1	20.22	20.32	20.42	22.5
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	23.54	23.55	23.80	
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	23.56	23.63	23.80	
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	23.52	23.56	23.76	



<FR1 n5_Ant 1_DSI 0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				166800	167300	167800	25.0
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	23.39	23.44	23.36	
20	PI/2 BPSK	1	53	23.40	23.42	23.37	24.5
20	PI/2 BPSK	1	104	23.18	23.16	23.12	
20	PI/2 BPSK	50	0	23.40	23.38	23.35	
20	PI/2 BPSK	50	28	23.41	23.41	23.37	24.5
20	PI/2 BPSK	50	56	23.27	23.29	23.29	
20	PI/2 BPSK	100	0	23.29	23.33	23.35	
20	QPSK	1	1	23.41	23.38	23.39	25.0
20	QPSK	1	53	23.39	23.41	23.42	
20	QPSK	1	104	23.16	23.21	23.23	
20	QPSK	50	0	23.42	23.39	23.33	24.0
20	QPSK	50	28	23.30	23.31	23.30	
20	QPSK	50	56	23.26	23.26	23.21	
20	QPSK	100	0	23.36	23.31	23.24	24.0
20	16QAM	1	1	23.36	23.35	23.33	
20	64QAM	1	1	23.17	23.12	23.12	
20	256QAM	1	1	21.10	21.06	20.99	21.5
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	23.10	23.10	23.06	25.0
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	23.14	23.08	23.07	25.0
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	23.12	23.12	23.08	25.0



<FR1 n5_Ant 1_DSI 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				166800	167300	167800	25.0
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	23.39	23.44	23.36	
20	PI/2 BPSK	1	53	23.40	23.42	23.37	24.5
20	PI/2 BPSK	1	104	23.18	23.16	23.12	
20	PI/2 BPSK	50	0	23.40	23.38	23.35	
20	PI/2 BPSK	50	28	23.41	23.41	23.37	24.5
20	PI/2 BPSK	50	56	23.27	23.29	23.29	
20	PI/2 BPSK	100	0	23.29	23.33	23.35	
20	QPSK	1	1	23.41	23.38	23.39	25.0
20	QPSK	1	53	23.39	23.41	23.42	
20	QPSK	1	104	23.16	23.21	23.23	
20	QPSK	50	0	23.42	23.39	23.33	24.0
20	QPSK	50	28	23.30	23.31	23.30	
20	QPSK	50	56	23.26	23.26	23.21	
20	QPSK	100	0	23.36	23.31	23.24	23.5
20	16QAM	1	1	23.36	23.35	23.33	
20	64QAM	1	1	23.17	23.12	23.12	
20	256QAM	1	1	21.10	21.06	20.99	21.5
Channel				166300	167300	168300	25.0
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	23.10	23.10	23.06	
Channel				165800	167300	168800	25.0
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	23.14	23.08	23.07	
Channel				165300	167300	169300	25.0
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	23.12	23.12	23.08	



<FR1 n5_Ant 1_WiFi off_DSI 1>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				166800	167300	167800	
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	23.39	23.44	23.36	
20	PI/2 BPSK	1	53	23.40	23.42	23.37	25.0
20	PI/2 BPSK	1	104	23.18	23.16	23.12	
20	PI/2 BPSK	50	0	23.40	23.38	23.35	
20	PI/2 BPSK	50	28	23.41	23.41	23.37	24.5
20	PI/2 BPSK	50	56	23.27	23.29	23.29	25.0
20	PI/2 BPSK	100	0	23.29	23.33	23.35	
20	QPSK	1	1	23.41	23.38	23.39	
20	QPSK	1	53	23.39	23.41	23.42	25.0
20	QPSK	1	104	23.16	23.21	23.23	
20	QPSK	50	0	23.42	23.39	23.33	
20	QPSK	50	28	23.30	23.31	23.30	24.0
20	QPSK	50	56	23.26	23.26	23.21	25.0
20	QPSK	100	0	23.36	23.31	23.24	
20	16QAM	1	1	23.36	23.35	23.33	
20	64QAM	1	1	23.17	23.12	23.12	24.0
20	256QAM	1	1	21.10	21.06	20.99	23.5
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	23.10	23.10	23.06	
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	23.14	23.08	23.07	
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	23.12	23.12	23.08	



<FR1 n7_Ant 5_DSI 0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				504000	507000	510000	25.0
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	23.48	23.49	23.46	
40	PI/2 BPSK	1	108	23.28	23.39	23.31	24.5
40	PI/2 BPSK	1	214	23.11	23.22	23.09	
40	PI/2 BPSK	108	0	23.21	23.38	23.22	
40	PI/2 BPSK	108	54	23.32	23.42	23.29	24.5
40	PI/2 BPSK	108	108	23.23	23.34	23.26	
40	PI/2 BPSK	216	0	23.26	23.31	23.18	
40	QPSK	1	1	23.37	23.41	23.33	25.0
40	QPSK	1	108	23.37	23.42	23.33	
40	QPSK	1	214	23.16	23.25	23.22	
40	QPSK	108	0	22.81	22.82	22.82	24.0
40	QPSK	108	54	23.32	23.38	23.31	
40	QPSK	108	108	22.81	22.82	22.76	
40	QPSK	216	0	22.82	22.88	22.75	24.0
40	16QAM	1	1	22.87	22.95	22.86	
40	64QAM	1	1	21.43	21.45	21.44	
40	256QAM	1	1	19.45	19.46	19.33	20.5
Channel				503000	507000	511000	25.0
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	23.02	23.17	23.06	
Channel				502500	507000	511500	25.0
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	23.08	23.13	23.03	
Channel				502000	507000	512000	25.0
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	23.09	23.20	23.05	
Channel				501500	507000	512500	25.0
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	23.04	23.20	23.01	
Channel				501000	507000	513000	25.0
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	23.09	23.14	23.09	
Channel				500500	507000	513500	25.0
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	23.05	23.17	23.09	



<FR1 n7_Ant 5_DSI 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				504000	507000	510000	23.6
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	23.48	23.49	23.46	
40	PI/2 BPSK	1	108	23.28	23.39	23.31	23.5
40	PI/2 BPSK	1	214	23.11	23.22	23.09	
40	PI/2 BPSK	108	0	23.21	23.28	23.22	
40	PI/2 BPSK	108	54	23.32	23.42	23.29	23.5
40	PI/2 BPSK	108	108	23.23	23.34	23.26	
40	PI/2 BPSK	216	0	23.26	23.31	23.18	
40	QPSK	1	1	23.37	23.41	23.33	23.6
40	QPSK	1	108	23.37	23.42	23.33	
40	QPSK	1	214	23.16	23.25	23.22	
40	QPSK	108	0	22.81	22.82	22.82	23.6
40	QPSK	108	54	23.32	23.38	23.31	
40	QPSK	108	108	22.81	22.82	22.76	
40	QPSK	216	0	22.82	22.88	22.75	23.0
40	16QAM	1	1	22.87	22.95	22.86	
40	64QAM	1	1	21.43	21.45	21.44	
40	256QAM	1	1	19.45	19.46	19.33	19.7
Channel				503000	507000	511000	23.6
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	23.02	23.17	23.06	
Channel				502500	507000	511500	23.6
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	23.08	23.13	23.03	
Channel				502000	507000	512000	23.6
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	23.09	23.20	23.05	
Channel				501500	507000	512500	23.6
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	23.04	23.20	23.01	
Channel				501000	507000	513000	23.6
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	23.09	23.14	23.09	
Channel				500500	507000	513500	23.6
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	23.05	23.17	23.09	



<FR1 n7_Ant 5_WiFi off_DSI 1>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				504000	507000	510000	25.0
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	23.48	23.49	23.46	
40	PI/2 BPSK	1	108	23.28	23.39	23.31	24.5
40	PI/2 BPSK	1	214	23.11	23.22	23.09	
40	PI/2 BPSK	108	0	23.21	23.38	23.22	
40	PI/2 BPSK	108	54	23.32	23.42	23.29	24.5
40	PI/2 BPSK	108	108	23.23	23.34	23.26	
40	PI/2 BPSK	216	0	23.26	23.31	23.18	
40	QPSK	1	1	23.37	23.41	23.33	25.0
40	QPSK	1	108	23.37	23.42	23.33	
40	QPSK	1	214	23.16	23.25	23.22	
40	QPSK	108	0	22.81	22.82	22.82	24.0
40	QPSK	108	54	23.32	23.38	23.31	
40	QPSK	108	108	22.81	22.82	22.76	
40	QPSK	216	0	22.82	22.88	22.75	24.0
40	16QAM	1	1	22.87	22.95	22.86	
40	64QAM	1	1	21.43	21.45	21.44	
40	256QAM	1	1	19.45	19.46	19.33	20.5
Channel				503000	507000	511000	25.0
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	23.02	23.17	23.06	
Channel				502500	507000	511500	25.0
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	23.08	23.13	23.03	
Channel				502000	507000	512000	25.0
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	23.09	23.20	23.05	
Channel				501500	507000	512500	25.0
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	23.04	23.20	23.01	
Channel				501000	507000	513000	25.0
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	23.09	23.14	23.09	
Channel				500500	507000	513500	25.0
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	23.05	23.17	23.09	



<FR1 n12_Ant 1_DSI 0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				141300	141500	141700	25.0
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	23.51	23.46	23.48	
15	PI/2 BPSK	1	40	23.45	23.40	23.38	24.5
15	PI/2 BPSK	1	77	23.19	23.23	23.19	
15	PI/2 BPSK	36	0	23.31	23.26	23.25	
15	PI/2 BPSK	36	22	23.34	23.28	23.28	24.5
15	PI/2 BPSK	36	43	23.30	23.27	23.20	
15	PI/2 BPSK	75	0	23.39	23.37	23.38	
15	QPSK	1	1	23.42	23.45	23.42	25.0
15	QPSK	1	40	23.39	23.37	23.36	
15	QPSK	1	77	23.23	23.27	23.27	
15	QPSK	36	0	23.33	23.31	23.33	24.0
15	QPSK	36	22	23.26	23.27	23.26	
15	QPSK	36	43	23.31	23.27	23.23	
15	QPSK	75	0	23.32	23.33	23.35	24.0
15	16QAM	1	1	23.34	23.39	23.35	
15	64QAM	1	1	22.05	22.09	22.10	
15	256QAM	1	1	20.17	20.14	20.09	20.5
Channel				140800	141500	142200	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	23.14	23.15	23.10	25.0
Channel				140300	141500	142700	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	23.17	23.22	23.13	25.0

<FR1 n12_Ant 1_DSI 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				141300	141500	141700	25.0
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	23.51	23.46	23.48	
15	PI/2 BPSK	1	40	23.45	23.40	23.38	24.5
15	PI/2 BPSK	1	77	23.19	23.23	23.19	
15	PI/2 BPSK	36	0	23.31	23.26	23.25	
15	PI/2 BPSK	36	22	23.34	23.28	23.28	24.5
15	PI/2 BPSK	36	43	23.30	23.27	23.20	
15	PI/2 BPSK	75	0	23.39	23.37	23.38	
15	QPSK	1	1	23.42	23.45	23.42	25.0
15	QPSK	1	40	23.39	23.37	23.36	
15	QPSK	1	77	23.23	23.27	23.27	
15	QPSK	36	0	23.33	23.31	23.33	24.0
15	QPSK	36	22	23.26	23.27	23.26	
15	QPSK	36	43	23.31	23.27	23.23	
15	QPSK	75	0	23.32	23.33	23.35	24.0
15	16QAM	1	1	23.34	23.39	23.35	
15	64QAM	1	1	22.05	22.09	22.10	
	256QAM	1	1	20.17	20.14	20.09	20.5
Channel				140800	141500	142200	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	23.14	23.15	23.10	25.0
Channel				140300	141500	142700	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	23.17	23.22	23.13	25.0



<FR1 n12_Ant 1_WiFi off_DSI 1>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				141300	141500	141700	
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	23.51	23.46	23.48	
15	PI/2 BPSK	1	40	23.45	23.40	23.38	25.0
15	PI/2 BPSK	1	77	23.19	23.23	23.19	
15	PI/2 BPSK	36	0	23.31	23.26	23.25	
15	PI/2 BPSK	36	22	23.34	23.28	23.28	24.5
15	PI/2 BPSK	36	43	23.30	23.27	23.20	25.0
15	PI/2 BPSK	75	0	23.39	23.37	23.38	
15	QPSK	1	1	23.42	23.45	23.42	
15	QPSK	1	40	23.39	23.37	23.36	25.0
15	QPSK	1	77	23.23	23.27	23.27	
15	QPSK	36	0	23.33	23.31	23.33	
15	QPSK	36	22	23.26	23.27	23.26	24.0
15	QPSK	36	43	23.31	23.27	23.23	25.0
15	QPSK	75	0	23.32	23.33	23.35	
15	16QAM	1	1	23.34	23.39	23.35	
15	64QAM	1	1	22.05	22.09	22.10	24.0
	256QAM	1	1	20.17	20.14	20.09	22.5
Channel				140800	141500	142200	20.5
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	23.14	23.15	23.10	
Channel				140300	141500	142700	25.0
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	23.17	23.22	23.13	

<FR1 n13_Ant 1_DSI 0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					156400		
Frequency (MHz)					782		
10	PI/2 BPSK	1	1		23.70		
10	PI/2 BPSK	1	26		23.64		25.0
10	PI/2 BPSK	1	50		23.64		
10	PI/2 BPSK	25	0		23.52		24.5
10	PI/2 BPSK	25	14		23.64		25.0
10	PI/2 BPSK	25	27		23.57		24.5
10	PI/2 BPSK	50	0		23.68		
10	QPSK	1	1		23.62		25.0
10	QPSK	1	26		23.59		
10	QPSK	1	50		23.66		
10	QPSK	25	0		23.56		24.0
10	QPSK	25	14		23.54		25.0
10	QPSK	25	27		23.63		24.0
10	QPSK	50	0		23.58		
10	16QAM	1	1		23.63		24.0
10	64QAM	1	1		22.21		22.5
10	256QAM	1	1		20.15		20.5
Channel				155900	156400	156900	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	PI/2 BPSK	1	1	23.55	23.64	23.55	25.0

<FR1 n13_Ant 1_DSI 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					156400		25.0
Frequency (MHz)					782		
10	PI/2 BPSK	1	1		23.70		
10	PI/2 BPSK	1	26		23.64		24.5
10	PI/2 BPSK	1	50		23.64		
10	PI/2 BPSK	25	0		23.52		
10	PI/2 BPSK	25	14		23.64		24.5
10	PI/2 BPSK	25	27		23.57		
10	PI/2 BPSK	50	0		23.68		
10	QPSK	1	1		23.62		25.0
10	QPSK	1	26		23.59		
10	QPSK	1	50		23.66		
10	QPSK	25	0		23.56		24.0
10	QPSK	25	14		23.54		
10	QPSK	25	27		23.63		
10	QPSK	50	0		23.58		24.0
10	16QAM	1	1		23.63		
10	64QAM	1	1		22.21		
10	256QAM	1	1		20.15		20.5
Channel				155900	156400	156900	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	PI/2 BPSK	1	1	23.55	23.64	23.55	25.0

<FR1 n13_Ant 1_WiFi off_DSI 1>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					156400		
Frequency (MHz)					782		
10	PI/2 BPSK	1	1		23.70		
10	PI/2 BPSK	1	26		23.64		25.0
10	PI/2 BPSK	1	50		23.64		
10	PI/2 BPSK	25	0		23.52		24.5
10	PI/2 BPSK	25	14		23.64		25.0
10	PI/2 BPSK	25	27		23.57		24.5
10	PI/2 BPSK	50	0		23.68		
10	QPSK	1	1		23.62		25.0
10	QPSK	1	26		23.59		
10	QPSK	1	50		23.66		
10	QPSK	25	0		23.56		24.0
10	QPSK	25	14		23.54		25.0
10	QPSK	25	27		23.63		24.0
10	QPSK	50	0		23.58		
10	16QAM	1	1		23.63		24.0
10	64QAM	1	1		22.21		22.5
10	256QAM	1	1		20.15		20.5
Channel				155900	156400	156900	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	PI/2 BPSK	1	1	23.55	23.64	23.55	25.0



<FR1 n14_Ant 1_DSI 0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					158600		25.0
Frequency (MHz)					793		
10	PI/2 BPSK	1	1		23.61		
10	PI/2 BPSK	1	26		23.59		24.5
10	PI/2 BPSK	1	50		23.55		
10	PI/2 BPSK	25	0		23.45		
10	PI/2 BPSK	25	14		23.48		24.5
10	PI/2 BPSK	25	27		23.47		
10	PI/2 BPSK	50	0		23.49		
10	QPSK	1	1		23.52		25.0
10	QPSK	1	26		23.53		
10	QPSK	1	50		23.51		
10	QPSK	25	0		23.46		24.0
10	QPSK	25	14		23.48		25.0
10	QPSK	25	27		23.54		24.0
10	QPSK	50	0		23.51		
10	16QAM	1	1		23.46		
10	64QAM	1	1		22.14		22.5
10	256QAM	1	1		19.99		20.5
Channel				158100	158600	159100	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	PI/2 BPSK	1	1	23.48	23.53	23.54	25.0

<FR1 n14_Ant 1_DSI 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					158600		
Frequency (MHz)					793		
10	PI/2 BPSK	1	1		23.61		
10	PI/2 BPSK	1	26		23.59		25.0
10	PI/2 BPSK	1	50		23.55		
10	PI/2 BPSK	25	0		23.45		24.5
10	PI/2 BPSK	25	14		23.48		25.0
10	PI/2 BPSK	25	27		23.47		24.5
10	PI/2 BPSK	50	0		23.49		
10	QPSK	1	1		23.52		25.0
10	QPSK	1	26		23.53		
10	QPSK	1	50		23.51		
10	QPSK	25	0		23.46		24.0
10	QPSK	25	14		23.48		25.0
10	QPSK	25	27		23.54		24.0
10	QPSK	50	0		23.51		
10	16QAM	1	1		23.46		24.0
10	64QAM	1	1		22.14		22.5
10	256QAM	1	1		19.99		20.5
Channel				158100	158600	159100	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	PI/2 BPSK	1	1	23.48	23.53	23.54	25.0



<FR1 n14_Ant 1_WiFi off_DSI 1>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					158600		
Frequency (MHz)					793		
10	PI/2 BPSK	1	1		23.61		
10	PI/2 BPSK	1	26		23.59		25.0
10	PI/2 BPSK	1	50		23.55		
10	PI/2 BPSK	25	0		23.45		24.5
10	PI/2 BPSK	25	14		23.48		25.0
10	PI/2 BPSK	25	27		23.47		24.5
10	PI/2 BPSK	50	0		23.49		
10	QPSK	1	1		23.52		25.0
10	QPSK	1	26		23.53		
10	QPSK	1	50		23.51		
10	QPSK	25	0		23.46		24.0
10	QPSK	25	14		23.48		25.0
10	QPSK	25	27		23.54		24.0
10	QPSK	50	0		23.51		
10	16QAM	1	1		23.46		24.0
10	64QAM	1	1		22.14		22.5
10	256QAM	1	1		19.99		20.5
Channel				158100	158600	159100	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	PI/2 BPSK	1	1	23.48	23.53	23.54	25.0



<FR1 n25_Ant 1_DSI 0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	25.0
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	23.82	23.77	23.92	
40	PI/2 BPSK	1	108	23.76	23.71	23.78	24.5
40	PI/2 BPSK	1	214	23.77	23.76	23.84	
40	PI/2 BPSK	108	0	23.68	23.65	23.74	
40	PI/2 BPSK	108	54	23.82	23.77	23.87	24.5
40	PI/2 BPSK	108	108	23.80	23.75	23.80	
40	PI/2 BPSK	216	0	23.66	23.70	23.81	
40	QPSK	1	1	23.63	23.60	23.69	25.0
40	QPSK	1	108	23.77	23.75	23.80	
40	QPSK	1	214	23.90	23.90	23.91	
40	QPSK	108	0	23.71	23.66	23.74	25.0
40	QPSK	108	54	23.74	23.71	23.76	
40	QPSK	108	108	23.83	23.91	23.84	
40	QPSK	216	0	23.75	23.74	23.85	24.0
40	16QAM	1	1	23.76	23.76	23.85	
40	64QAM	1	1	22.29	22.28	22.35	
40	256QAM	1	1	20.34	20.29	20.43	20.5
Channel				373000	376500	380000	25.0
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	23.72	23.68	23.83	
Channel				372500	376500	380500	25.0
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	23.76	23.74	23.75	
Channel				372000	376500	381000	25.0
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	23.73	23.76	23.75	
Channel				371500	376500	381500	25.0
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	23.71	23.72	23.81	
Channel				371000	376500	382000	25.0
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	23.70	23.66	23.77	
Channel				370500	376500	382500	25.0
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	23.74	23.66	23.84	



<FR1 n25_Ant 1_DSI 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	22.7
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	21.76	21.68	21.79	
40	PI/2 BPSK	1	108	21.59	21.66	21.64	22.7
40	PI/2 BPSK	1	214	21.76	21.66	21.75	
40	PI/2 BPSK	108	0	21.55	21.58	21.62	
40	PI/2 BPSK	108	54	21.66	21.75	21.77	22.7
40	PI/2 BPSK	108	108	21.70	21.63	21.64	22.7
40	PI/2 BPSK	216	0	21.59	21.68	21.76	
40	QPSK	1	1	21.54	21.49	21.55	
40	QPSK	1	108	21.68	21.70	21.66	22.7
40	QPSK	1	214	21.72	21.79	21.77	
40	QPSK	108	0	21.62	21.63	21.61	
40	QPSK	108	54	21.69	21.56	21.69	22.7
40	QPSK	108	108	21.69	21.71	21.74	22.7
40	QPSK	216	0	21.68	21.63	21.77	
40	16QAM	1	1	21.67	21.73	21.79	
40	64QAM	1	1	21.23	21.23	21.23	22.7
40	256QAM	1	1	20.24	20.24	20.24	20.5
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	21.57	21.62	21.59	
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	21.51	21.65	21.63	
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	21.56	21.62	21.61	
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	21.55	21.58	21.57	
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	21.56	21.63	21.62	
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	21.51	21.56	21.64	



<FR1 n25_Ant 1_WiFi off_DSI 1>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	25.0
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	23.82	23.77	23.92	
40	PI/2 BPSK	1	108	23.76	23.71	23.78	24.5
40	PI/2 BPSK	1	214	23.77	23.76	23.84	
40	PI/2 BPSK	108	0	23.68	23.65	23.74	
40	PI/2 BPSK	108	54	23.82	23.77	23.87	24.5
40	PI/2 BPSK	108	108	23.80	23.75	23.80	
40	PI/2 BPSK	216	0	23.66	23.70	23.81	
40	QPSK	1	1	23.63	23.60	23.69	25.0
40	QPSK	1	108	23.77	23.75	23.80	
40	QPSK	1	214	23.90	23.90	23.91	
40	QPSK	108	0	23.71	23.66	23.74	25.0
40	QPSK	108	54	23.74	23.71	23.76	
40	QPSK	108	108	23.83	23.91	23.84	
40	QPSK	216	0	23.75	23.74	23.85	24.0
40	16QAM	1	1	23.76	23.76	23.85	
40	64QAM	1	1	22.29	22.28	22.35	
40	256QAM	1	1	20.34	20.29	20.43	20.5
Channel				373000	376500	380000	25.0
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	23.72	23.68	23.83	
Channel				372500	376500	380500	25.0
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	23.76	23.74	23.75	
Channel				372000	376500	381000	25.0
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	23.73	23.76	23.75	
Channel				371500	376500	381500	25.0
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	23.71	23.72	23.81	
Channel				371000	376500	382000	25.0
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	23.70	23.66	23.77	
Channel				370500	376500	382500	25.0
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	23.74	23.66	23.84	



<FR1 n26_Ant 1_DSI 0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				164800	166300	167800	
Frequency (MHz)				824	831.5	839	
20	PI/2 BPSK	1	1	24.25	24.39	24.34	
20	PI/2 BPSK	1	53	24.16	24.35	24.21	24.5
20	PI/2 BPSK	1	104	24.04	24.19	24.04	
20	PI/2 BPSK	50	0	24.08	24.29	24.18	
20	PI/2 BPSK	50	28	24.12	24.35	24.21	24.5
20	PI/2 BPSK	50	56	24.06	24.23	24.18	24.5
20	PI/2 BPSK	100	0	24.10	24.34	24.20	
20	QPSK	1	1	24.11	24.30	24.16	
20	QPSK	1	53	24.18	24.34	24.20	24.5
20	QPSK	1	104	24.01	24.22	24.13	
20	QPSK	50	0	23.61	23.80	23.71	
20	QPSK	50	28	24.06	24.30	24.24	24.5
20	QPSK	50	56	23.47	23.70	23.62	24.0
20	QPSK	100	0	23.71	23.85	23.70	
20	16QAM	1	1	23.71	23.86	23.79	
20	64QAM	1	1	22.20	22.34	22.19	22.5
20	256QAM	1	1	20.19	20.38	20.23	20.5
Channel				164300	166300	168300	Tune-up limit (dBm)
Frequency (MHz)				821.5	831.5	841.5	
15	PI/2 BPSK	1	1	24.00	24.16	24.02	
Channel				163800	166300	168800	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	PI/2 BPSK	1	1	23.97	24.15	24.04	
Channel				163300	166300	169300	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	PI/2 BPSK	1	1	23.94	24.18	23.96	



<FR1 n26_Ant 1_DSI 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				164800	166300	167800	24.5
Frequency (MHz)				824	831.5	839	
20	PI/2 BPSK	1	1	24.25	24.39	24.34	
20	PI/2 BPSK	1	53	24.16	24.35	24.21	24.5
20	PI/2 BPSK	1	104	24.04	24.19	24.04	
20	PI/2 BPSK	50	0	24.08	24.29	24.18	
20	PI/2 BPSK	50	28	24.12	24.35	24.21	24.5
20	PI/2 BPSK	50	56	24.06	24.23	24.18	24.5
20	PI/2 BPSK	100	0	24.10	24.34	24.20	
20	QPSK	1	1	24.11	24.30	24.16	
20	QPSK	1	53	24.18	24.34	24.20	24.5
20	QPSK	1	104	24.01	24.22	24.13	
20	QPSK	50	0	23.61	23.80	23.71	
20	QPSK	50	28	24.06	24.30	24.24	24.5
20	QPSK	50	56	23.47	23.70	23.62	24.0
20	QPSK	100	0	23.71	23.85	23.70	
20	16QAM	1	1	23.71	23.86	23.79	
20	64QAM	1	1	22.20	22.34	22.19	22.5
20	256QAM	1	1	20.19	20.38	20.23	20.5
Channel				164300	166300	168300	24.5
Frequency (MHz)				821.5	831.5	841.5	
15	PI/2 BPSK	1	1	24.00	24.16	24.02	
Channel				163800	166300	168800	24.5
Frequency (MHz)				819	831.5	844	
10	PI/2 BPSK	1	1	23.97	24.15	24.04	
Channel				163300	166300	169300	24.5
Frequency (MHz)				816.5	831.5	846.5	
5	PI/2 BPSK	1	1	23.94	24.18	23.96	



<FR1 n26_Ant 1_WiFi off_DSI 1>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				164800	166300	167800	
Frequency (MHz)				824	831.5	839	
20	PI/2 BPSK	1	1	24.25	24.39	24.34	
20	PI/2 BPSK	1	53	24.16	24.35	24.21	24.5
20	PI/2 BPSK	1	104	24.04	24.19	24.04	
20	PI/2 BPSK	50	0	24.08	24.29	24.18	
20	PI/2 BPSK	50	28	24.12	24.35	24.21	24.5
20	PI/2 BPSK	50	56	24.06	24.23	24.18	24.5
20	PI/2 BPSK	100	0	24.10	24.34	24.20	
20	QPSK	1	1	24.11	24.30	24.16	
20	QPSK	1	53	24.18	24.34	24.20	24.5
20	QPSK	1	104	24.01	24.22	24.13	
20	QPSK	50	0	23.61	23.80	23.71	
20	QPSK	50	28	24.06	24.30	24.24	24.5
20	QPSK	50	56	23.47	23.70	23.62	24.0
20	QPSK	100	0	23.71	23.85	23.70	
20	16QAM	1	1	23.71	23.86	23.79	
20	64QAM	1	1	22.20	22.34	22.19	22.5
20	256QAM	1	1	20.19	20.38	20.23	20.5
Channel				164300	166300	168300	Tune-up limit (dBm)
Frequency (MHz)				821.5	831.5	841.5	
15	PI/2 BPSK	1	1	24.00	24.16	24.02	
Channel				163800	166300	168800	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	PI/2 BPSK	1	1	23.97	24.15	24.04	
Channel				163300	166300	169300	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	PI/2 BPSK	1	1	23.94	24.18	23.96	



<FR1 n30_Ant 5_DSI 0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		22.20		
10	PI/2 BPSK	1	26		22.10		22.5
10	PI/2 BPSK	1	50		22.01		
10	PI/2 BPSK	25	0		22.00		22.5
10	PI/2 BPSK	25	14		21.98		22.5
10	PI/2 BPSK	25	27		21.95		22.5
10	PI/2 BPSK	50	0		21.98		
10	QPSK	1	1		22.14		22.5
10	QPSK	1	26		22.08		
10	QPSK	1	50		22.13		
10	QPSK	25	0		21.98		22.5
10	QPSK	25	14		22.01		22.5
10	QPSK	25	27		22.00		22.5
10	QPSK	50	0		22.02		
10	16QAM	1	1		22.18		22.5
10	64QAM	1	1		22.17		22.5
10	256QAM	1	1		20.65		21.0
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	21.91	22.01	22.01	22.5



<FR1 n30_Ant 5_DSI 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		22.20		
10	PI/2 BPSK	1	26		22.10		22.5
10	PI/2 BPSK	1	50		22.01		
10	PI/2 BPSK	25	0		22.00		22.5
10	PI/2 BPSK	25	14		21.98		22.5
10	PI/2 BPSK	25	27		21.95		22.5
10	PI/2 BPSK	50	0		21.98		
10	QPSK	1	1		22.14		22.5
10	QPSK	1	26		22.08		
10	QPSK	1	50		22.13		
10	QPSK	25	0		21.98		22.5
10	QPSK	25	14		22.01		22.5
10	QPSK	25	27		22.00		22.5
10	QPSK	50	0		22.02		
10	16QAM	1	1		22.18		22.5
10	64QAM	1	1		22.17		22.5
10	256QAM	1	1		20.65		21.0
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	21.91	22.01	22.01	22.5



<FR1 n30_Ant 5_WiFi off_DSI 1>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		22.20		22.5
10	PI/2 BPSK	1	26		22.10		
10	PI/2 BPSK	1	50		22.01		
10	PI/2 BPSK	25	0		22.00		22.5
10	PI/2 BPSK	25	14		21.98		22.5
10	PI/2 BPSK	25	27		21.95		22.5
10	PI/2 BPSK	50	0		21.98		
10	QPSK	1	1		22.14		22.5
10	QPSK	1	26		22.08		
10	QPSK	1	50		22.13		
10	QPSK	25	0		21.98		22.5
10	QPSK	25	14		22.01		22.5
10	QPSK	25	27		22.00		22.5
10	QPSK	50	0		22.02		
10	16QAM	1	1		22.18		22.5
10	64QAM	1	1		22.17		22.5
10	256QAM	1	1		20.65		21.0
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	21.91	22.01	22.01	22.5



<FR1 n66_Ant 1_DSI 0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	25.0
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	23.58	23.61	23.56	
40	PI/2 BPSK	1	108	23.50	23.55	23.45	24.5
40	PI/2 BPSK	1	214	23.53	23.57	23.42	
40	PI/2 BPSK	108	0	23.42	23.51	23.46	
40	PI/2 BPSK	108	54	23.44	23.56	23.48	24.5
40	PI/2 BPSK	108	108	23.39	23.55	23.44	
40	PI/2 BPSK	216	0	23.50	23.56	23.47	
40	QPSK	1	1	23.32	23.39	23.26	25.0
40	QPSK	1	108	23.47	23.59	23.44	
40	QPSK	1	214	23.45	23.51	23.45	
40	QPSK	108	0	23.43	23.54	23.39	24.0
40	QPSK	108	54	23.50	23.60	23.47	
40	QPSK	108	108	23.40	23.51	23.36	
40	QPSK	216	0	23.47	23.60	23.52	24.0
40	16QAM	1	1	23.51	23.55	23.42	
40	64QAM	1	1	22.02	22.08	21.95	
40	256QAM	1	1	20.17	20.23	20.13	20.5
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	23.53	23.52	23.34	25.0
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	23.43	23.47	23.33	25.0
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	23.46	23.48	23.41	25.0
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	23.53	23.52	23.42	25.0
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	23.52	23.55	23.36	25.0
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	23.53	23.53	23.39	25.0



<FR1 n66_Ant 1_DSI 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	25.0
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	23.58	23.61	23.56	
40	PI/2 BPSK	1	108	23.50	23.55	23.45	24.5
40	PI/2 BPSK	1	214	23.53	23.57	23.42	
40	PI/2 BPSK	108	0	23.42	23.51	23.46	
40	PI/2 BPSK	108	54	23.44	23.56	23.48	24.5
40	PI/2 BPSK	108	108	23.39	23.55	23.44	
40	PI/2 BPSK	216	0	23.50	23.56	23.47	
40	QPSK	1	1	23.32	23.39	23.26	25.0
40	QPSK	1	108	23.47	23.59	23.44	
40	QPSK	1	214	23.45	23.51	23.45	
40	QPSK	108	0	23.43	23.54	23.39	24.0
40	QPSK	108	54	23.50	23.60	23.47	
40	QPSK	108	108	23.40	23.51	23.36	
40	QPSK	216	0	23.47	23.60	23.52	24.0
40	16QAM	1	1	23.51	23.55	23.42	
40	64QAM	1	1	22.02	22.08	21.95	
40	256QAM	1	1	20.17	20.23	20.13	20.5
Channel				345000	349000	353000	25.0
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	23.53	23.52	23.34	
Channel				344500	349000	353500	25.0
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	23.43	23.47	23.33	
Channel				344000	349000	354000	25.0
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	23.46	23.48	23.41	
Channel				343500	349000	354500	25.0
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	23.53	23.52	23.42	
Channel				343000	349000	355000	25.0
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	23.52	23.55	23.36	
Channel				342500	349000	355500	25.0
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	23.53	23.53	23.39	



<FR1 n66_Ant 1_WiFi off_DSI 1>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	25.0
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	23.58	23.61	23.56	
40	PI/2 BPSK	1	108	23.50	23.55	23.45	24.5
40	PI/2 BPSK	1	214	23.53	23.57	23.42	
40	PI/2 BPSK	108	0	23.42	23.51	23.46	
40	PI/2 BPSK	108	54	23.44	23.56	23.48	24.5
40	PI/2 BPSK	108	108	23.39	23.55	23.44	
40	PI/2 BPSK	216	0	23.50	23.56	23.47	
40	QPSK	1	1	23.32	23.39	23.26	25.0
40	QPSK	1	108	23.47	23.59	23.44	
40	QPSK	1	214	23.45	23.51	23.45	
40	QPSK	108	0	23.43	23.54	23.39	24.0
40	QPSK	108	54	23.50	23.60	23.47	
40	QPSK	108	108	23.40	23.51	23.36	
40	QPSK	216	0	23.47	23.60	23.52	24.0
40	16QAM	1	1	23.51	23.55	23.42	
40	64QAM	1	1	22.02	22.08	21.95	
40	256QAM	1	1	20.17	20.23	20.13	20.5
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	23.53	23.52	23.34	
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	23.43	23.47	23.33	
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	23.46	23.48	23.41	
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	23.53	23.52	23.42	
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	23.52	23.55	23.36	
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	23.53	23.53	23.39	

<FR1 n71_Ant 1_DSI 0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				134600	136100	137600	25.0
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	23.45	23.51	23.48	
20	PI/2 BPSK	1	53	23.37	23.46	23.35	24.5
20	PI/2 BPSK	1	104	23.40	23.50	23.38	
20	PI/2 BPSK	50	0	23.36	23.42	23.32	
20	PI/2 BPSK	50	28	23.30	23.46	23.40	24.5
20	PI/2 BPSK	50	56	23.33	23.43	23.36	
20	PI/2 BPSK	100	0	23.29	23.35	23.27	
20	QPSK	1	1	23.31	23.47	23.37	25.0
20	QPSK	1	53	23.33	23.48	23.39	
20	QPSK	1	104	23.34	23.50	23.42	
20	QPSK	50	0	23.39	23.47	23.36	24.0
20	QPSK	50	28	23.36	23.46	23.41	
20	QPSK	50	56	23.39	23.47	23.35	
20	QPSK	100	0	23.28	23.41	23.29	24.0
20	16QAM	1	1	23.02	23.16	23.06	
20	64QAM	1	1	22.03	22.18	22.11	
20	256QAM	1	1	19.68	19.78	19.74	20.5
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	23.40	23.44	23.33	25.0
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	23.40	23.42	23.32	25.0
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	23.35	23.46	23.33	25.0



<FR1 n71_Ant 1_DSI 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				134600	136100	137600	25.0
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	23.45	23.51	23.48	
20	PI/2 BPSK	1	53	23.37	23.46	23.35	24.5
20	PI/2 BPSK	1	104	23.40	23.50	23.38	
20	PI/2 BPSK	50	0	23.36	23.42	23.32	
20	PI/2 BPSK	50	28	23.30	23.46	23.40	24.5
20	PI/2 BPSK	50	56	23.33	23.43	23.36	
20	PI/2 BPSK	100	0	23.29	23.35	23.27	
20	QPSK	1	1	23.31	23.47	23.37	25.0
20	QPSK	1	53	23.33	23.48	23.39	
20	QPSK	1	104	23.34	23.50	23.42	
20	QPSK	50	0	23.39	23.47	23.36	24.0
20	QPSK	50	28	23.36	23.46	23.41	
20	QPSK	50	56	23.39	23.47	23.35	
20	QPSK	100	0	23.28	23.41	23.29	24.0
20	16QAM	1	1	23.02	23.16	23.06	
20	64QAM	1	1	22.03	22.18	22.11	
20	256QAM	1	1	19.68	19.78	19.74	20.5
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	23.40	23.44	23.33	25.0
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	23.40	23.42	23.32	25.0
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	23.35	23.46	23.33	25.0



<FR1 n71_Ant 1_WiFi off_DSI 1>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				134600	136100	137600	25.0
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	23.45	23.51	23.48	
20	PI/2 BPSK	1	53	23.37	23.46	23.35	24.5
20	PI/2 BPSK	1	104	23.40	23.50	23.38	
20	PI/2 BPSK	50	0	23.36	23.42	23.32	
20	PI/2 BPSK	50	28	23.30	23.46	23.40	24.5
20	PI/2 BPSK	50	56	23.33	23.43	23.36	
20	PI/2 BPSK	100	0	23.29	23.35	23.27	
20	QPSK	1	1	23.31	23.47	23.37	25.0
20	QPSK	1	53	23.33	23.48	23.39	
20	QPSK	1	104	23.34	23.50	23.42	
20	QPSK	50	0	23.39	23.47	23.36	24.0
20	QPSK	50	28	23.36	23.46	23.41	
20	QPSK	50	56	23.39	23.47	23.35	
20	QPSK	100	0	23.28	23.41	23.29	24.0
20	16QAM	1	1	23.02	23.16	23.06	
20	64QAM	1	1	22.03	22.18	22.11	
20	256QAM	1	1	19.68	19.78	19.74	20.5
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	23.40	23.44	23.33	25.0
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	23.40	23.42	23.32	25.0
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	23.35	23.46	23.33	25.0



<FR1 n38_Ant 5_DSI 0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	23.40	23.60	23.42	
40	PI/2 BPSK	1	53	23.38	23.36	23.33	25.0
40	PI/2 BPSK	1	104	23.56	23.60	23.59	
40	PI/2 BPSK	50	0	22.75	22.80	22.83	
40	PI/2 BPSK	50	28	23.31	23.29	23.32	24.5
40	PI/2 BPSK	50	56	22.93	22.90	22.91	25.0
40	PI/2 BPSK	100	0	22.77	22.83	22.81	
40	QPSK	1	1	23.35	23.41	23.39	
40	QPSK	1	53	23.43	23.40	23.43	25.0
40	QPSK	1	104	23.52	23.55	23.53	
40	QPSK	50	0	22.23	22.30	22.35	
40	QPSK	50	28	23.34	23.32	23.32	24.0
40	QPSK	50	56	22.31	22.31	22.26	24.0
40	QPSK	100	0	22.33	22.33	22.36	24.0
40	16QAM	1	1	23.45	23.48	23.52	24.0
40	64QAM	1	1	21.96	22.02	22.06	22.5
40	256QAM	1	1	19.90	19.97	20.02	20.5
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	23.31	23.36	23.29	
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	23.28	23.35	23.29	
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	23.28	23.33	23.26	
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	23.34	23.36	23.29	



<FR1 n38_Ant 5_DSI 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	22.32	22.60	22.33	
40	PI/2 BPSK	1	53	22.38	22.26	22.28	23.2
40	PI/2 BPSK	1	104	22.53	22.58	22.53	
40	PI/2 BPSK	50	0	21.74	21.75	21.81	
40	PI/2 BPSK	50	28	22.24	22.26	22.28	23.2
40	PI/2 BPSK	50	56	21.85	21.84	21.84	23.2
40	PI/2 BPSK	100	0	21.77	21.73	21.80	
40	QPSK	1	1	22.34	22.33	22.31	
40	QPSK	1	53	22.37	22.37	22.42	23.2
40	QPSK	1	104	22.49	22.48	22.51	
40	QPSK	50	0	21.29	21.27	21.35	
40	QPSK	50	28	22.28	22.29	22.32	23.2
40	QPSK	50	56	21.24	21.30	21.30	23.2
40	QPSK	100	0	21.23	21.23	21.29	23.2
40	16QAM	1	1	22.41	22.41	22.46	23.2
40	64QAM	1	1	21.91	21.93	22.03	22.5
40	256QAM	1	1	19.87	19.88	19.98	20.5
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	22.34	22.36	22.39	
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	22.25	22.40	22.32	
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	22.27	22.32	22.35	
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	22.27	22.32	22.29	



<FR1 n38_Ant 5_WiFi off_DSI 1>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	23.40	23.60	23.42	25.0
40	PI/2 BPSK	1	53	23.38	23.36	23.33	
40	PI/2 BPSK	1	104	23.56	23.60	23.59	
40	PI/2 BPSK	50	0	22.75	22.80	22.83	24.5
40	PI/2 BPSK	50	28	23.31	23.29	23.32	25.0
40	PI/2 BPSK	50	56	22.93	22.90	22.91	24.5
40	PI/2 BPSK	100	0	22.77	22.83	22.81	
40	QPSK	1	1	23.35	23.41	23.39	25.0
40	QPSK	1	53	23.43	23.40	23.43	
40	QPSK	1	104	23.52	23.55	23.53	
40	QPSK	50	0	22.23	22.30	22.35	24.0
40	QPSK	50	28	23.34	23.32	23.32	24.0
40	QPSK	50	56	22.31	22.31	22.26	24.0
40	QPSK	100	0	22.33	22.33	22.36	24.0
40	16QAM	1	1	23.45	23.48	23.52	24.0
40	64QAM	1	1	21.96	22.02	22.06	22.5
40	256QAM	1	1	19.90	19.97	20.02	20.5
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	23.31	23.36	23.29	25.0
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	23.28	23.35	23.29	25.0
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	23.28	23.33	23.26	25.0
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	23.34	23.36	23.29	25.0



<FR1 n41_Ant 5_DSI 0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	24.58	24.26	24.22	
100	PI/2 BPSK	1	137	24.72	24.48	24.42	25.0
100	PI/2 BPSK	1	271	24.42	24.83	24.68	
100	PI/2 BPSK	135	0	24.07	23.76	23.62	
100	PI/2 BPSK	135	69	24.42	24.73	24.38	24.5
100	PI/2 BPSK	135	138	24.38	24.12	24.06	24.5
100	PI/2 BPSK	270	0	24.28	23.99	23.87	
100	QPSK	1	1	24.61	24.39	24.31	
100	QPSK	1	137	24.74	24.56	24.42	25.0
100	QPSK	1	271	24.78	24.82	24.70	
100	QPSK	135	0	23.49	23.25	23.18	
100	QPSK	135	69	24.68	24.41	24.34	25.0
100	QPSK	135	138	23.90	23.61	23.56	
100	QPSK	270	0	23.76	23.48	23.34	
100	16QAM	1	1	23.68	23.41	23.29	24.0
100	64QAM	1	1	22.21	21.91	21.85	22.5
100	256QAM	1	1	20.12	19.87	19.73	20.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	24.53	24.22	24.16	
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	24.51	24.26	24.20	
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	24.56	24.25	24.20	
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	24.58	24.19	24.20	
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	24.48	24.23	24.13	
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	24.48	24.22	24.21	
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	24.56	24.16	24.16	
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	24.49	24.22	24.18	
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	24.57	24.25	24.13	
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	24.51	24.25	24.21	



<FR1 n41_Ant 2_DSI 0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	22.0
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	20.56	20.80	20.05	
100	PI/2 BPSK	1	137	20.74	20.21	21.38	21.5
100	PI/2 BPSK	1	271	20.32	21.24	21.88	
100	PI/2 BPSK	135	0	19.58	19.52	19.51	
100	PI/2 BPSK	135	69	20.92	20.42	21.57	22.0
100	PI/2 BPSK	135	138	19.93	20.86	21.41	21.5
100	PI/2 BPSK	270	0	20.70	20.24	21.35	
100	QPSK	1	1	20.62	20.84	20.15	
100	QPSK	1	137	20.64	20.18	21.39	22.0
100	QPSK	1	271	20.35	21.23	21.82	
100	QPSK	135	0	20.02	20.08	20.03	
100	QPSK	135	69	20.81	20.40	21.56	22.0
100	QPSK	135	138	20.02	20.42	21.02	
100	QPSK	270	0	20.43	19.88	20.97	
100	16QAM	1	1	19.94	20.18	19.52	21.0
100	64QAM	1	1	19.24	18.77	19.50	19.5
100	256QAM	1	1	16.09	16.98	17.42	17.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	20.66	20.15	21.33	
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	20.72	20.20	21.35	
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	20.70	20.14	21.38	
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	20.73	20.18	21.30	
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	20.70	20.15	21.35	
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	20.68	20.11	21.33	
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	20.74	20.14	21.33	
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	20.69	20.14	21.29	
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	20.72	20.14	21.32	
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	20.64	20.21	21.38	



<FR1 n41_Ant 3_DSI 0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	22.0
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	20.91	20.05	20.87	
100	PI/2 BPSK	1	137	20.00	21.09	20.61	21.5
100	PI/2 BPSK	1	271	21.08	21.52	21.52	
100	PI/2 BPSK	135	0	20.32	20.00	20.40	
100	PI/2 BPSK	135	69	20.02	21.00	20.51	21.5
100	PI/2 BPSK	135	138	20.83	20.35	20.99	
100	PI/2 BPSK	270	0	21.30	20.12	21.34	
100	QPSK	1	1	20.87	20.03	20.93	22.0
100	QPSK	1	137	20.06	21.01	20.06	
100	QPSK	1	271	20.94	20.54	21.14	
100	QPSK	135	0	20.80	20.21	20.78	22.0
100	QPSK	135	69	20.01	20.85	20.02	
100	QPSK	135	138	20.38	20.09	20.43	
100	QPSK	270	0	20.89	19.67	20.91	21.0
100	16QAM	1	1	20.11	19.09	20.10	21.0
100	64QAM	1	1	18.71	17.51	18.76	19.5
100	256QAM	1	1	16.89	15.58	16.84	17.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	20.13	21.07	20.61	22.0
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	20.11	21.04	20.52	22.0
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	20.17	21.06	20.54	22.0
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	20.15	21.01	20.57	22.0
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	20.15	20.99	20.51	22.0
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	20.16	21.09	20.60	22.0
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	20.14	21.05	20.57	22.0
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	20.24	21.07	20.60	22.0
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	20.11	21.06	20.54	22.0
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	20.18	21.01	20.54	22.0



<FR1 n41_Ant 4_DSI 0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	22.0
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	20.46	20.05	20.74	
100	PI/2 BPSK	1	137	20.04	20.97	20.08	21.5
100	PI/2 BPSK	1	271	21.07	21.00	21.46	
100	PI/2 BPSK	135	0	20.09	20.12	20.48	
100	PI/2 BPSK	135	69	20.11	20.77	20.00	21.5
100	PI/2 BPSK	135	138	20.12	20.41	19.86	
100	PI/2 BPSK	270	0	19.60	19.85	20.10	
100	QPSK	1	1	20.46	20.12	20.69	22.0
100	QPSK	1	137	20.05	20.95	20.10	
100	QPSK	1	271	21.05	20.10	21.41	
100	QPSK	135	0	20.10	20.17	20.02	22.0
100	QPSK	135	69	20.13	20.71	20.04	
100	QPSK	135	138	20.07	20.07	20.10	
100	QPSK	270	0	19.17	19.41	19.67	21.0
100	16QAM	1	1	19.75	19.01	20.01	21.0
100	64QAM	1	1	18.38	17.56	18.64	19.5
100	256QAM	1	1	16.55	15.54	16.95	17.5
Channel				508200	518598	528996	22.0
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	20.40	20.08	20.64	
Channel				507204	518598	529998	22.0
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	20.45	20.06	20.70	
Channel				506202	518598	531000	22.0
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	20.42	20.03	20.65	
Channel				505200	518598	531996	22.0
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	20.37	20.09	20.72	
Channel				504204	518598	532998	22.0
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	20.43	20.00	20.71	
Channel				503202	518598	534000	22.0
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	20.44	20.04	20.72	
Channel				502200	518598	534996	22.0
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	20.37	20.00	20.65	
Channel				501204	518598	535998	22.0
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	20.45	20.02	20.68	
Channel				500700	518598	536496	22.0
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	20.36	20.07	20.68	
Channel				500202	518598	537000	22.0
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	20.46	20.08	20.64	



<FR1 n41_Ant 5_DSI 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	22.42	22.46	22.44	
100	PI/2 BPSK	1	137	22.46	22.41	22.40	23.2
100	PI/2 BPSK	1	271	22.38	22.55	22.48	
100	PI/2 BPSK	135	0	22.41	22.40	22.45	
100	PI/2 BPSK	135	69	22.43	22.41	22.44	23.2
100	PI/2 BPSK	135	138	22.42	22.40	22.43	23.2
100	PI/2 BPSK	270	0	22.28	22.27	22.28	
100	QPSK	1	1	22.41	22.39	22.28	
100	QPSK	1	137	22.48	22.40	22.39	23.2
100	QPSK	1	271	22.40	22.43	22.46	
100	QPSK	135	0	22.38	22.40	22.41	
100	QPSK	135	69	22.43	22.40	22.40	23.2
100	QPSK	135	138	22.42	22.44	22.39	
100	QPSK	270	0	22.38	22.44	22.39	
100	16QAM	1	1	22.42	22.39	22.42	23.2
100	64QAM	1	1	22.21	22.11	22.15	22.5
100	256QAM	1	1	20.33	20.48	20.35	20.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	22.30	22.34	22.37	
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	22.32	22.28	22.41	
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	22.30	22.36	22.38	
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	22.33	22.33	22.38	
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	22.30	22.34	22.32	
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	22.34	22.37	22.41	
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	22.28	22.37	22.34	
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	22.28	22.29	22.38	
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	22.30	22.37	22.40	
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	22.32	22.30	22.40	



<FR1 n41_Ant 2_DSI 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	22.0
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	20.56	20.80	20.05	
100	PI/2 BPSK	1	137	20.74	20.21	21.38	21.5
100	PI/2 BPSK	1	271	20.32	21.24	21.88	
100	PI/2 BPSK	135	0	19.58	19.52	19.51	
100	PI/2 BPSK	135	69	20.92	20.42	21.57	22.0
100	PI/2 BPSK	135	138	19.93	20.86	21.41	21.5
100	PI/2 BPSK	270	0	20.70	20.24	21.35	
100	QPSK	1	1	20.62	20.84	20.15	
100	QPSK	1	137	20.64	20.18	21.39	22.0
100	QPSK	1	271	20.35	21.23	21.82	
100	QPSK	135	0	20.02	20.08	20.03	
100	QPSK	135	69	20.81	20.40	21.56	22.0
100	QPSK	135	138	20.02	20.42	21.02	
100	QPSK	270	0	20.43	19.88	20.97	
100	16QAM	1	1	19.94	20.18	19.52	21.0
100	64QAM	1	1	19.24	18.77	19.50	19.5
100	256QAM	1	1	16.09	16.98	17.42	17.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	20.66	20.15	21.33	
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	20.72	20.20	21.35	
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	20.70	20.14	21.38	
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	20.73	20.18	21.30	
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	20.70	20.15	21.35	
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	20.68	20.11	21.33	
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	20.74	20.14	21.33	
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	20.69	20.14	21.29	
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	20.72	20.14	21.32	
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	20.64	20.21	21.38	



<FR1 n41_Ant 3_DSI 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	22.0
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	20.91	20.05	20.87	
100	PI/2 BPSK	1	137	20.00	21.09	20.61	21.5
100	PI/2 BPSK	1	271	21.08	21.52	21.52	
100	PI/2 BPSK	135	0	20.32	20.00	20.40	
100	PI/2 BPSK	135	69	20.02	21.00	20.51	21.5
100	PI/2 BPSK	135	138	20.83	20.35	20.99	
100	PI/2 BPSK	270	0	21.30	20.12	21.34	
100	QPSK	1	1	20.87	20.03	20.93	22.0
100	QPSK	1	137	20.06	21.01	20.06	
100	QPSK	1	271	20.94	20.54	21.14	
100	QPSK	135	0	20.80	20.21	20.78	22.0
100	QPSK	135	69	20.01	20.85	20.02	
100	QPSK	135	138	20.38	20.09	20.43	
100	QPSK	270	0	20.89	19.67	20.91	21.0
100	16QAM	1	1	20.11	19.09	20.10	21.0
100	64QAM	1	1	18.71	17.51	18.76	19.5
100	256QAM	1	1	16.89	15.58	16.84	17.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	20.13	21.07	20.61	22.0
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	20.11	21.04	20.52	22.0
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	20.17	21.06	20.54	22.0
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	20.15	21.01	20.57	22.0
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	20.15	20.99	20.51	22.0
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	20.16	21.09	20.60	22.0
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	20.14	21.05	20.57	22.0
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	20.24	21.07	20.60	22.0
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	20.11	21.06	20.54	22.0
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	20.18	21.01	20.54	22.0



<FR1 n41_Ant 4_DSI 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	22.0
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	20.46	20.05	20.74	
100	PI/2 BPSK	1	137	20.04	20.97	20.08	21.5
100	PI/2 BPSK	1	271	21.07	21.00	21.46	
100	PI/2 BPSK	135	0	20.09	20.12	20.48	
100	PI/2 BPSK	135	69	20.11	20.77	20.00	21.5
100	PI/2 BPSK	135	138	20.12	20.41	19.86	
100	PI/2 BPSK	270	0	19.60	19.85	20.10	
100	QPSK	1	1	20.46	20.12	20.69	22.0
100	QPSK	1	137	20.05	20.95	20.10	
100	QPSK	1	271	21.05	20.10	21.41	
100	QPSK	135	0	20.10	20.17	20.02	22.0
100	QPSK	135	69	20.13	20.71	20.04	
100	QPSK	135	138	20.07	20.07	20.10	
100	QPSK	270	0	19.17	19.41	19.67	21.0
100	16QAM	1	1	19.75	19.01	20.01	21.0
100	64QAM	1	1	18.38	17.56	18.64	19.5
100	256QAM	1	1	16.55	15.54	16.95	17.5
Channel				508200	518598	528996	22.0
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	20.40	20.08	20.64	
Channel				507204	518598	529998	22.0
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	20.45	20.06	20.70	
Channel				506202	518598	531000	22.0
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	20.42	20.03	20.65	
Channel				505200	518598	531996	22.0
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	20.37	20.09	20.72	
Channel				504204	518598	532998	22.0
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	20.43	20.00	20.71	
Channel				503202	518598	534000	22.0
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	20.44	20.04	20.72	
Channel				502200	518598	534996	22.0
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	20.37	20.00	20.65	
Channel				501204	518598	535998	22.0
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	20.45	20.02	20.68	
Channel				500700	518598	536496	22.0
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	20.36	20.07	20.68	
Channel				500202	518598	537000	22.0
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	20.46	20.08	20.64	



<FR1 n41_Ant 5_WiFi off_DSI 1>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	25.0
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	24.58	24.26	24.22	
100	PI/2 BPSK	1	137	24.72	24.48	24.42	24.5
100	PI/2 BPSK	1	271	24.42	24.83	24.68	
100	PI/2 BPSK	135	0	24.07	23.76	23.62	
100	PI/2 BPSK	135	69	24.73	24.42	24.38	25.0
100	PI/2 BPSK	135	138	24.38	24.12	24.06	24.5
100	PI/2 BPSK	270	0	24.28	23.99	23.87	
100	QPSK	1	1	24.61	24.39	24.31	
100	QPSK	1	137	24.74	24.56	24.42	25.0
100	QPSK	1	271	24.78	24.82	24.70	
100	QPSK	135	0	23.49	23.25	23.18	
100	QPSK	135	69	24.68	24.41	24.34	25.0
100	QPSK	135	138	23.90	23.61	23.56	
100	QPSK	270	0	23.76	23.48	23.34	
100	16QAM	1	1	23.68	23.41	23.29	24.0
100	64QAM	1	1	22.21	21.91	21.85	22.5
100	256QAM	1	1	20.12	19.87	19.73	20.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	24.53	24.22	24.16	
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	24.51	24.26	24.20	
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	24.56	24.25	24.20	
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	24.58	24.19	24.20	
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	24.48	24.23	24.13	
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	24.48	24.22	24.21	
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	24.56	24.16	24.16	
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	24.49	24.22	24.18	
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	24.57	24.25	24.13	
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	24.51	24.25	24.21	



<FR1 n41_Ant 2_WiFi off_DSI 0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	22.0
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	20.56	20.80	20.05	
100	PI/2 BPSK	1	137	20.74	20.21	21.38	21.5
100	PI/2 BPSK	1	271	20.32	21.24	21.88	
100	PI/2 BPSK	135	0	19.58	19.52	19.51	
100	PI/2 BPSK	135	69	20.92	20.42	21.57	22.0
100	PI/2 BPSK	135	138	19.93	20.86	21.41	21.5
100	PI/2 BPSK	270	0	20.70	20.24	21.35	
100	QPSK	1	1	20.62	20.84	20.15	
100	QPSK	1	137	20.64	20.18	21.39	22.0
100	QPSK	1	271	20.35	21.23	21.82	
100	QPSK	135	0	20.02	20.08	20.03	
100	QPSK	135	69	20.81	20.40	21.56	22.0
100	QPSK	135	138	20.02	20.42	21.02	
100	QPSK	270	0	20.43	19.88	20.97	
100	16QAM	1	1	19.94	20.18	19.52	21.0
100	64QAM	1	1	19.24	18.77	19.50	19.5
100	256QAM	1	1	16.09	16.98	17.42	17.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	20.66	20.15	21.33	
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	20.72	20.20	21.35	
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	20.70	20.14	21.38	
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	20.73	20.18	21.30	
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	20.70	20.15	21.35	
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	20.68	20.11	21.33	
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	20.74	20.14	21.33	
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	20.69	20.14	21.29	
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	20.72	20.14	21.32	
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	20.64	20.21	21.38	



<FR1 n41_Ant 3_WiFi off_DSI 0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	22.0
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	20.91	20.05	20.87	
100	PI/2 BPSK	1	137	20.00	21.09	20.61	21.5
100	PI/2 BPSK	1	271	21.08	21.52	21.52	
100	PI/2 BPSK	135	0	20.32	20.00	20.40	
100	PI/2 BPSK	135	69	20.02	21.00	20.51	21.5
100	PI/2 BPSK	135	138	20.83	20.35	20.99	
100	PI/2 BPSK	270	0	21.30	20.12	21.34	
100	QPSK	1	1	20.87	20.03	20.93	22.0
100	QPSK	1	137	20.06	21.01	20.06	
100	QPSK	1	271	20.94	20.54	21.14	
100	QPSK	135	0	20.80	20.21	20.78	22.0
100	QPSK	135	69	20.01	20.85	20.02	
100	QPSK	135	138	20.38	20.09	20.43	
100	QPSK	270	0	20.89	19.67	20.91	21.0
100	16QAM	1	1	20.11	19.09	20.10	21.0
100	64QAM	1	1	18.71	17.51	18.76	19.5
100	256QAM	1	1	16.89	15.58	16.84	17.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	20.13	21.07	20.61	22.0
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	20.11	21.04	20.52	22.0
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	20.17	21.06	20.54	22.0
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	20.15	21.01	20.57	22.0
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	20.15	20.99	20.51	22.0
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	20.16	21.09	20.60	22.0
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	20.14	21.05	20.57	22.0
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	20.24	21.07	20.60	22.0
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	20.11	21.06	20.54	22.0
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	20.18	21.01	20.54	22.0



<FR1 n41_Ant 4_WiFi off_DSI 0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	20.46	20.05	20.74	
100	PI/2 BPSK	1	137	20.04	20.97	20.08	22.0
100	PI/2 BPSK	1	271	21.07	21.00	21.46	
100	PI/2 BPSK	135	0	20.09	20.12	20.48	
100	PI/2 BPSK	135	69	20.11	20.77	20.00	22.0
100	PI/2 BPSK	135	138	20.12	20.41	19.86	21.5
100	PI/2 BPSK	270	0	19.60	19.85	20.10	
100	QPSK	1	1	20.46	20.12	20.69	
100	QPSK	1	137	20.05	20.95	20.10	22.0
100	QPSK	1	271	21.05	20.10	21.41	
100	QPSK	135	0	20.10	20.17	20.02	
100	QPSK	135	69	20.13	20.71	20.04	22.0
100	QPSK	135	138	20.07	20.07	20.10	
100	QPSK	270	0	19.17	19.41	19.67	
100	16QAM	1	1	19.75	19.01	20.01	21.0
100	64QAM	1	1	18.38	17.56	18.64	19.5
100	256QAM	1	1	16.55	15.54	16.95	17.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	20.40	20.08	20.64	
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	20.45	20.06	20.70	
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	20.42	20.03	20.65	
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	20.37	20.09	20.72	
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	20.43	20.00	20.71	
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	20.44	20.04	20.72	
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	20.37	20.00	20.65	
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	20.45	20.02	20.68	
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	20.36	20.07	20.68	
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	20.46	20.08	20.64	

<FR1 n41_Ant 5_WiFi on_DSI 1>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	22.3
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	22.26	21.87	21.88	
100	PI/2 BPSK	1	137	22.21	22.09	22.09	22.3
100	PI/2 BPSK	1	271	22.09	22.26	22.23	
100	PI/2 BPSK	135	0	21.75	21.37	21.28	
100	PI/2 BPSK	135	69	22.20	22.09	22.00	22.3
100	PI/2 BPSK	135	138	22.02	21.72	21.69	22.3
100	PI/2 BPSK	270	0	21.97	21.61	21.47	
100	QPSK	1	1	22.00	22.01	21.93	
100	QPSK	1	137	22.05	22.18	22.09	22.3
100	QPSK	1	271	22.19	22.13	22.11	
100	QPSK	135	0	21.10	20.89	20.79	
100	QPSK	135	69	22.14	22.11	22.04	22.3
100	QPSK	135	138	22.06	21.76	21.66	
100	QPSK	270	0	21.96	21.67	21.51	
100	16QAM	1	1	21.86	21.58	21.42	22.3
100	64QAM	1	1	22.13	21.88	21.84	22.3
100	256QAM	1	1	20.06	19.79	19.68	20.5
Channel				508200	518598	528996	22.3
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	22.06	21.74	21.74	
Channel				507204	518598	529998	22.3
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	22.08	21.76	21.74	
Channel				506202	518598	531000	22.3
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	22.06	21.74	21.76	
Channel				505200	518598	531996	22.3
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	22.02	21.72	21.72	
Channel				504204	518598	532998	22.3
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	22.02	21.81	21.75	
Channel				503202	518598	534000	22.3
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	22.03	21.78	21.73	
Channel				502200	518598	534996	22.3
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	22.00	21.72	21.73	
Channel				501204	518598	535998	22.3
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	22.08	21.71	21.69	
Channel				500700	518598	536496	22.3
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	22.00	21.78	21.69	
Channel				500202	518598	537000	22.3
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	22.02	21.77	21.75	



<FR1 n41_HPUE_Ant 5_DSI 0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	26.53	26.22	26.32	27.0
100	PI/2 BPSK	1	137	26.68	26.40	26.44	
100	PI/2 BPSK	1	271	26.50	26.73	26.76	
100	PI/2 BPSK	135	0	26.07	25.83	25.90	
100	PI/2 BPSK	135	69	26.71	26.50	26.52	26.5
100	PI/2 BPSK	135	138	26.40	26.14	26.24	26.5
100	PI/2 BPSK	270	0	26.28	26.05	26.12	
100	QPSK	1	1	26.70	26.42	26.48	27.0
100	QPSK	1	137	26.67	26.52	26.61	
100	QPSK	1	271	26.69	26.66	26.74	
100	QPSK	135	0	25.67	25.40	25.43	27.0
100	QPSK	135	69	26.74	26.45	26.45	
100	QPSK	135	138	25.90	25.67	25.73	
100	QPSK	270	0	25.77	25.53	25.59	26.0
100	16QAM	1	1	25.76	25.55	25.62	26.0
100	64QAM	1	1	24.31	24.06	24.14	24.5
100	256QAM	1	1	22.18	21.94	22.03	22.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	26.45	26.14	26.28	27.0
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	26.50	26.18	26.24	27.0
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	26.51	26.16	26.29	27.0
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	26.43	26.17	26.26	27.0
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	26.50	26.22	26.22	27.0
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	26.50	26.22	26.27	27.0
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	26.51	26.18	26.23	27.0
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	26.50	26.12	26.26	27.0
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	26.47	26.21	26.23	27.0
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	26.50	26.18	26.22	27.0



<FR1 n41_HPUE_Ant 5_DSI 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	26.2
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	25.48	25.45	25.45	
100	PI/2 BPSK	1	137	25.61	25.41	25.46	26.2
100	PI/2 BPSK	1	271	25.64	25.54	25.67	
100	PI/2 BPSK	135	0	25.58	25.36	25.54	
100	PI/2 BPSK	135	69	25.51	25.29	25.37	26.2
100	PI/2 BPSK	135	138	25.53	25.33	25.47	26.2
100	PI/2 BPSK	270	0	25.53	25.28	25.55	
100	QPSK	1	1	25.60	25.25	25.46	
100	QPSK	1	137	25.57	25.32	25.51	26.2
100	QPSK	1	271	25.62	25.35	25.48	
100	QPSK	135	0	25.65	25.27	25.43	
100	QPSK	135	69	25.60	25.33	25.44	26.2
100	QPSK	135	138	25.58	25.38	25.43	
100	QPSK	270	0	25.60	25.40	25.36	
100	16QAM	1	1	25.60	25.32	25.34	26.0
100	64QAM	1	1	24.44	24.30	24.38	24.5
100	256QAM	1	1	22.18	22.17	22.05	22.5
Channel				508200	518598	528996	26.2
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	24.58	24.37	24.51	
Channel				507204	518598	529998	26.2
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	24.66	24.34	24.44	
Channel				506202	518598	531000	26.2
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	24.62	24.38	24.51	
Channel				505200	518598	531996	26.2
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	24.59	24.31	24.48	
Channel				504204	518598	532998	26.2
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	24.63	24.28	24.51	
Channel				503202	518598	534000	26.2
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	24.52	24.35	24.50	
Channel				502200	518598	534996	26.2
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	24.58	24.31	24.48	
Channel				501204	518598	535998	26.2
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	24.59	24.29	24.47	
Channel				500700	518598	536496	26.2
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	24.63	24.32	24.44	
Channel				500202	518598	537000	26.2
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	24.60	24.35	24.51	



<FR1 n41_HPUE_Ant 5_WiFi off_DSI 1>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	26.53	26.22	26.32	
100	PI/2 BPSK	1	137	26.68	26.40	26.44	27.0
100	PI/2 BPSK	1	271	26.50	26.73	26.76	
100	PI/2 BPSK	135	0	26.07	25.83	25.90	
100	PI/2 BPSK	135	69	26.71	26.50	26.52	26.5
100	PI/2 BPSK	135	138	26.40	26.14	26.24	27.0
100	PI/2 BPSK	270	0	26.28	26.05	26.12	
100	QPSK	1	1	26.70	26.42	26.48	
100	QPSK	1	137	26.67	26.52	26.61	27.0
100	QPSK	1	271	26.69	26.66	26.74	
100	QPSK	135	0	25.67	25.40	25.43	
100	QPSK	135	69	26.74	26.45	26.45	26.0
100	QPSK	135	138	25.90	25.67	25.73	
100	QPSK	270	0	25.77	25.53	25.59	
100	16QAM	1	1	25.76	25.55	25.62	26.0
100	64QAM	1	1	24.31	24.06	24.14	24.5
100	256QAM	1	1	22.18	21.94	22.03	22.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	26.45	26.14	26.28	
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	26.50	26.18	26.24	
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	26.51	26.16	26.29	
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	26.43	26.17	26.26	
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	26.50	26.22	26.22	
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	26.50	26.22	26.27	
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	26.51	26.18	26.23	
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	26.50	26.12	26.26	
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	26.47	26.21	26.23	
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	26.50	26.18	26.22	

<FR1 n48_Ant 8_DSI 0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	20.99	21.01	21.26	
40	PI/2 BPSK	1	53	21.16	21.17	21.16	21.5
40	PI/2 BPSK	1	104	21.20	21.26	21.24	
40	PI/2 BPSK	50	0	20.99	21.00	21.06	21.5
40	PI/2 BPSK	50	28	21.01	21.04	21.02	21.5
40	PI/2 BPSK	50	56	21.03	21.03	20.96	21.5
40	PI/2 BPSK	100	0	21.05	21.01	21.07	
40	QPSK	1	1	21.11	21.12	21.03	
40	QPSK	1	53	21.19	21.20	21.18	21.5
40	QPSK	1	104	21.19	21.25	21.15	
40	QPSK	50	0	20.98	21.00	20.98	
40	QPSK	50	28	21.02	21.10	21.10	21.5
40	QPSK	50	56	20.94	21.03	21.03	
40	QPSK	100	0	20.94	21.01	20.94	21.5
40	16QAM	1	1	21.06	21.13	21.07	21.5
40	64QAM	1	1	21.06	21.14	21.13	21.5
40	256QAM	1	1	19.84	20.13	20.22	20.5
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	21.09	21.10	21.07	21.5
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	21.07	21.17	21.14	21.5
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	21.15	21.14	21.16	21.5



<FR1 n48_Ant 8_DSI 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	20.2
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	19.39	19.47	19.72	
40	PI/2 BPSK	1	53	19.56	19.64	19.63	20.2
40	PI/2 BPSK	1	104	19.67	19.67	19.64	
40	PI/2 BPSK	50	0	19.39	19.56	19.56	
40	PI/2 BPSK	50	28	19.47	19.48	19.50	20.2
40	PI/2 BPSK	50	56	19.46	19.51	19.40	20.2
40	PI/2 BPSK	100	0	19.55	19.53	19.44	
40	QPSK	1	1	19.53	19.58	19.47	
40	QPSK	1	53	19.60	19.61	19.59	20.2
40	QPSK	1	104	19.61	19.52	19.57	
40	QPSK	50	0	19.40	19.43	19.43	
40	QPSK	50	28	19.44	19.55	19.55	20.2
40	QPSK	50	56	19.35	19.48	19.46	
40	QPSK	100	0	19.38	19.47	19.34	
40	16QAM	1	1	19.51	19.58	19.54	20.2
40	64QAM	1	1	19.55	19.57	19.56	20.2
40	256QAM	1	1	19.27	19.55	19.65	20.2
Channel				637334	641666	646000	20.2
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	19.55	19.61	19.52	
Channel				637168	641666	646166	20.2
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	19.57	19.58	19.45	
Channel				637000	641666	646332	20.2
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	19.52	19.55	19.50	



<FR1 n48_Ant 8_WiFi off_DSI 1>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	20.99	21.01	21.26	
40	PI/2 BPSK	1	53	21.16	21.17	21.16	21.5
40	PI/2 BPSK	1	104	21.20	21.26	21.24	
40	PI/2 BPSK	50	0	20.99	21.00	21.06	
40	PI/2 BPSK	50	28	21.01	21.04	21.02	21.5
40	PI/2 BPSK	50	56	21.03	21.03	20.96	21.5
40	PI/2 BPSK	100	0	21.05	21.01	21.07	
40	QPSK	1	1	21.11	21.12	21.03	
40	QPSK	1	53	21.19	21.20	21.18	21.5
40	QPSK	1	104	21.19	21.25	21.15	
40	QPSK	50	0	20.98	21.00	20.98	
40	QPSK	50	28	21.02	21.10	21.10	21.5
40	QPSK	50	56	20.94	21.03	21.03	
40	QPSK	100	0	20.94	21.01	20.94	
40	16QAM	1	1	21.06	21.13	21.07	21.5
40	64QAM	1	1	21.06	21.14	21.13	21.5
40	256QAM	1	1	19.84	20.13	20.22	20.5
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	21.09	21.10	21.07	21.5
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	21.07	21.17	21.14	21.5
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	21.15	21.14	21.16	21.5



<FR1 n48_Ant 8_WiFi on_DSI 1>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	19.91	20.22	20.23	
40	PI/2 BPSK	1	53	20.06	20.08	20.11	20.5
40	PI/2 BPSK	1	104	20.16	20.15	20.18	
40	PI/2 BPSK	50	0	19.93	20.06	20.07	
40	PI/2 BPSK	50	28	19.95	19.95	19.99	20.5
40	PI/2 BPSK	50	56	20.00	19.98	19.87	20.5
40	PI/2 BPSK	100	0	20.02	19.98	20.03	
40	QPSK	1	1	20.11	20.02	19.98	
40	QPSK	1	53	20.18	20.14	20.15	20.5
40	QPSK	1	104	20.12	20.19	20.13	
40	QPSK	50	0	19.90	19.94	19.98	
40	QPSK	50	28	20.01	20.08	20.04	20.5
40	QPSK	50	56	19.89	19.99	20.02	
40	QPSK	100	0	19.93	19.92	19.88	
40	16QAM	1	1	20.00	20.05	19.97	20.5
40	64QAM	1	1	19.99	20.08	20.12	20.5
40	256QAM	1	1	19.80	20.00	20.10	20.5
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	19.95	19.96	19.98	20.5
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	19.91	20.00	19.95	20.5
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	19.93	19.94	19.95	20.5



<FR1 n77_Ant 8_DSI 0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	25.0
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	24.38	24.13	24.42	
100	PI/2 BPSK	1	137	24.55	24.42	24.55	24.5
100	PI/2 BPSK	1	271	24.12	24.56	24.39	
100	PI/2 BPSK	135	0	23.95	23.76	24.04	
100	PI/2 BPSK	135	69	24.39	24.51	24.42	25.0
100	PI/2 BPSK	135	138	24.11	23.96	24.22	24.5
100	PI/2 BPSK	270	0	23.99	24.05	23.82	
100	QPSK	1	1	24.44	24.22	24.46	
100	QPSK	1	137	24.48	24.54	24.52	25.0
100	QPSK	1	271	24.53	24.53	24.50	
100	QPSK	135	0	23.47	23.27	23.50	
100	QPSK	135	69	24.52	24.36	24.48	25.0
100	QPSK	135	138	23.59	23.44	23.63	
100	QPSK	270	0	23.44	23.28	23.51	
100	16QAM	1	1	23.43	23.27	23.53	24.0
100	64QAM	1	1	21.97	21.75	21.94	22.5
100	256QAM	1	1	19.91	19.76	20.01	20.5
Channel				649668	656000	662332	25.0
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	24.33	24.12	24.37	
Channel				649334	656000	662666	25.0
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	24.30	24.05	24.35	
Channel				649000	656000	663000	25.0
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	24.30	24.12	24.33	
Channel				648668	656000	663332	25.0
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	24.31	24.06	24.40	
Channel				648334	656000	663666	25.0
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	24.28	24.08	24.38	
Channel				648000	656000	664000	25.0
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	24.34	24.11	24.34	
Channel				647668	656000	664332	25.0
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	24.38	24.11	24.38	
Channel				647500	656000	664500	25.0
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	24.36	24.10	24.34	
Channel				647334	656000	664666	25.0
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	24.33	24.07	24.40	
Channel				647168	656000	664832	25.0
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	24.30	24.03	24.38	
Channel				647000	656000	665000	25.0
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	24.35	24.06	24.41	



<FR1 n77_Ant 9_DSI 0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	25.0
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	24.55	24.46	24.26	
100	PI/2 BPSK	1	137	24.53	24.45	24.25	24.5
100	PI/2 BPSK	1	271	24.53	24.27	24.18	
100	PI/2 BPSK	135	0	23.86	23.80	23.55	
100	PI/2 BPSK	135	69	24.39	24.31	24.07	25.0
100	PI/2 BPSK	135	138	23.66	23.67	23.43	24.5
100	PI/2 BPSK	270	0	23.75	23.72	23.42	
100	QPSK	1	1	24.46	24.37	24.16	
100	QPSK	1	137	24.40	24.36	24.14	25.0
100	QPSK	1	271	24.37	24.30	24.02	
100	QPSK	135	0	23.33	23.32	23.13	
100	QPSK	135	69	24.30	24.29	24.04	25.0
100	QPSK	135	138	23.27	23.20	23.14	
100	QPSK	270	0	23.32	23.25	22.98	
100	16QAM	1	1	23.53	23.50	23.26	24.0
100	64QAM	1	1	22.03	21.97	21.75	22.5
100	256QAM	1	1	19.98	19.96	19.72	20.5
Channel				649668	656000	662332	25.0
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	24.47	24.18	24.10	
Channel				649334	656000	662666	25.0
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	24.47	24.22	24.12	
Channel				649000	656000	663000	25.0
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	24.48	24.27	24.14	
Channel				648668	656000	663332	25.0
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	24.44	24.26	24.09	
Channel				648334	656000	663666	25.0
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	24.47	24.23	24.18	
Channel				648000	656000	664000	25.0
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	24.48	24.27	24.08	
Channel				647668	656000	664332	25.0
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	24.45	24.19	24.11	
Channel				647500	656000	664500	25.0
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	24.49	24.22	24.17	
Channel				647334	656000	664666	25.0
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	24.46	24.18	24.08	
Channel				647168	656000	664832	25.0
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	24.51	24.23	24.15	
Channel				647000	656000	665000	25.0
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	24.52	24.25	24.10	



<FR1 n77_Ant 4_DSI 0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	22.0
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	20.84	20.83	21.12	
100	PI/2 BPSK	1	137	20.80	21.14	21.20	22.0
100	PI/2 BPSK	1	271	20.83	21.25	21.24	
100	PI/2 BPSK	135	0	20.36	20.09	20.46	
100	PI/2 BPSK	135	69	20.77	20.85	20.84	22.0
100	PI/2 BPSK	135	138	20.12	20.25	20.23	22.0
100	PI/2 BPSK	270	0	20.16	20.04	20.34	
100	QPSK	1	1	20.93	20.77	21.10	
100	QPSK	1	137	20.91	20.70	21.04	22.0
100	QPSK	1	271	20.72	20.55	20.86	
100	QPSK	135	0	20.15	20.15	20.08	
100	QPSK	135	69	20.72	20.47	20.86	22.0
100	QPSK	135	138	20.14	20.08	20.13	
100	QPSK	270	0	20.72	20.45	20.90	
100	16QAM	1	1	20.63	20.36	20.69	22.0
100	64QAM	1	1	20.24	20.05	20.40	22.0
100	256QAM	1	1	19.55	19.30	19.68	20.5
Channel				649668	656000	662332	22.0
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	20.70	21.12	21.22	
Channel				649334	656000	662666	22.0
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	20.79	21.06	21.19	
Channel				649000	656000	663000	22.0
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	20.75	21.12	21.25	
Channel				648668	656000	663332	22.0
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	20.79	21.08	21.20	
Channel				648334	656000	663666	22.0
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	20.77	21.13	21.25	
Channel				648000	656000	664000	22.0
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	20.71	21.10	21.17	
Channel				647668	656000	664332	22.0
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	20.77	21.12	21.16	
Channel				647500	656000	664500	22.0
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	20.74	21.07	21.21	
Channel				647334	656000	664666	22.0
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	20.71	21.13	21.17	
Channel				647168	656000	664832	22.0
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	20.79	21.14	21.22	
Channel				647000	656000	665000	22.0
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	20.71	21.08	21.22	



<FR1 n77_Ant 3_DSI 0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	22.0
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	21.20	21.07	21.07	
100	PI/2 BPSK	1	137	21.38	21.17	21.21	22.0
100	PI/2 BPSK	1	271	21.39	21.24	21.26	
100	PI/2 BPSK	135	0	20.80	20.65	20.66	
100	PI/2 BPSK	135	69	21.24	21.16	21.12	22.0
100	PI/2 BPSK	135	138	20.73	20.53	20.44	22.0
100	PI/2 BPSK	270	0	20.74	20.63	20.52	
100	QPSK	1	1	21.37	21.07	21.04	
100	QPSK	1	137	21.18	21.13	21.13	22.0
100	QPSK	1	271	21.16	21.10	21.19	
100	QPSK	135	0	20.15	20.09	20.06	
100	QPSK	135	69	21.23	21.06	21.03	22.0
100	QPSK	135	138	20.29	20.08	20.08	
100	QPSK	270	0	20.39	20.26	20.21	
100	16QAM	1	1	20.88	20.74	20.71	22.0
100	64QAM	1	1	20.81	20.69	20.68	22.0
100	256QAM	1	1	19.92	19.71	19.64	20.5
Channel				649668	656000	662332	22.0
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	21.28	21.17	21.21	
Channel				649334	656000	662666	22.0
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	21.32	21.10	21.17	
Channel				649000	656000	663000	22.0
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	21.38	21.14	21.17	
Channel				648668	656000	663332	22.0
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	21.28	21.12	21.11	
Channel				648334	656000	663666	22.0
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	21.35	21.07	21.13	
Channel				648000	656000	664000	22.0
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	21.29	21.14	21.12	
Channel				647668	656000	664332	22.0
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	21.37	21.16	21.19	
Channel				647500	656000	664500	22.0
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	21.33	21.10	21.15	
Channel				647334	656000	664666	22.0
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	21.29	21.11	21.16	
Channel				647168	656000	664832	22.0
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	21.38	21.14	21.16	
Channel				647000	656000	665000	22.0
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	21.34	21.11	21.13	



<FR1 n77_Ant 8_DSI 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	19.8
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	18.78	18.91	19.01	
100	PI/2 BPSK	1	137	18.84	19.27	19.15	19.8
100	PI/2 BPSK	1	271	18.92	19.28	19.03	
100	PI/2 BPSK	135	0	18.71	18.98	18.91	
100	PI/2 BPSK	135	69	18.87	19.15	18.98	19.8
100	PI/2 BPSK	135	138	18.80	19.14	18.91	19.8
100	PI/2 BPSK	270	0	18.57	19.03	19.00	
100	QPSK	1	1	18.54	18.84	18.91	
100	QPSK	1	137	18.69	19.14	18.97	19.8
100	QPSK	1	271	18.74	19.08	18.87	
100	QPSK	135	0	18.73	19.02	19.12	
100	QPSK	135	69	18.74	19.10	19.03	19.8
100	QPSK	135	138	18.82	19.12	19.03	
100	QPSK	270	0	18.73	18.90	18.84	
100	16QAM	1	1	18.45	18.97	18.80	19.8
100	64QAM	1	1	18.47	18.95	18.75	19.8
100	256QAM	1	1	18.72	19.01	18.89	19.8
Channel				649668	656000	662332	19.8
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	18.81	19.27	18.95	
Channel				649334	656000	662666	19.8
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	18.71	19.09	18.76	
Channel				649000	656000	663000	19.8
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	18.54	19.04	18.94	
Channel				648668	656000	663332	19.8
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	18.56	19.01	18.93	
Channel				648334	656000	663666	19.8
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	18.29	18.95	18.78	
Channel				648000	656000	664000	19.8
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	18.78	19.16	18.93	
Channel				647668	656000	664332	19.8
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	18.79	19.21	18.90	
Channel				647500	656000	664500	19.8
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	18.86	19.09	18.83	
Channel				647334	656000	664666	19.8
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	18.79	19.14	18.88	
Channel				647168	656000	664832	19.8
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	18.85	19.24	18.95	
Channel				647000	656000	665000	19.8
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	18.73	19.22	18.85	



<FR1 n77_Ant 9_DSI 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	20.0
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	19.09	19.16	19.03	
100	PI/2 BPSK	1	137	19.02	19.11	18.91	20.0
100	PI/2 BPSK	1	271	18.98	19.10	18.94	
100	PI/2 BPSK	135	0	19.00	19.13	18.93	
100	PI/2 BPSK	135	69	18.85	19.12	18.99	20.0
100	PI/2 BPSK	135	138	18.87	19.10	18.98	20.0
100	PI/2 BPSK	270	0	18.78	19.00	18.88	
100	QPSK	1	1	18.85	19.11	18.88	
100	QPSK	1	137	18.84	19.08	18.77	20.0
100	QPSK	1	271	19.08	19.11	19.00	
100	QPSK	135	0	18.86	19.00	18.89	
100	QPSK	135	69	18.80	19.01	18.95	20.0
100	QPSK	135	138	18.93	19.00	18.85	
100	QPSK	270	0	19.02	19.09	18.98	
100	16QAM	1	1	18.93	19.07	18.89	20.0
100	64QAM	1	1	18.95	19.04	18.95	20.0
100	256QAM	1	1	18.90	19.08	18.94	20.0
Channel				649668	656000	662332	20.0
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	18.87	19.08	18.83	
Channel				649334	656000	662666	20.0
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	18.86	18.99	18.96	
Channel				649000	656000	663000	20.0
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	18.82	19.02	18.90	
Channel				648668	656000	663332	20.0
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	18.92	19.04	18.98	
Channel				648334	656000	663666	20.0
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	18.92	18.88	18.84	
Channel				648000	656000	664000	20.0
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	18.83	19.01	18.94	
Channel				647668	656000	664332	20.0
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	18.84	19.02	18.94	
Channel				647500	656000	664500	20.0
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	19.08	19.01	18.90	
Channel				647334	656000	664666	20.0
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	18.94	19.09	18.99	
Channel				647168	656000	664832	20.0
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	18.82	19.05	18.86	
Channel				647000	656000	665000	20.0
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	18.89	19.08	18.95	



<FR1 n77_Ant 4_DSI 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	20.0
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	19.34	19.29	19.22	
100	PI/2 BPSK	1	137	19.27	19.23	19.20	20.0
100	PI/2 BPSK	1	271	19.25	19.35	19.14	
100	PI/2 BPSK	135	0	19.19	19.23	19.17	
100	PI/2 BPSK	135	69	19.25	19.21	19.18	20.0
100	PI/2 BPSK	135	138	19.27	19.28	19.12	20.0
100	PI/2 BPSK	270	0	19.12	19.17	19.14	
100	QPSK	1	1	19.22	19.20	19.11	
100	QPSK	1	137	19.29	19.27	19.19	20.0
100	QPSK	1	271	19.19	19.20	19.20	
100	QPSK	135	0	19.19	19.23	19.14	
100	QPSK	135	69	19.25	19.17	19.20	20.0
100	QPSK	135	138	19.19	19.19	19.17	
100	QPSK	270	0	19.26	19.26	19.16	
100	16QAM	1	1	19.28	19.17	19.13	20.0
100	64QAM	1	1	19.20	19.24	19.16	20.0
100	256QAM	1	1	19.28	19.18	19.11	20.0
Channel				649668	656000	662332	20.0
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	18.77	18.77	18.63	
Channel				649334	656000	662666	20.0
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	18.73	18.76	18.63	
Channel				649000	656000	663000	20.0
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	18.71	18.73	18.69	
Channel				648668	656000	663332	20.0
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	18.79	18.67	18.63	
Channel				648334	656000	663666	20.0
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	18.73	18.73	18.67	
Channel				648000	656000	664000	20.0
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	18.78	18.69	18.65	
Channel				647668	656000	664332	20.0
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	18.77	18.73	18.66	
Channel				647500	656000	664500	20.0
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	18.79	18.67	18.63	
Channel				647334	656000	664666	20.0
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	18.71	18.77	18.71	
Channel				647168	656000	664832	20.0
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	18.75	18.76	18.69	
Channel				647000	656000	665000	20.0
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	18.78	18.75	18.69	



FCC SAR TEST REPORT

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<FR1 n77_Ant 3_DSI 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	22.0
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	21.20	21.07	21.07	
100	PI/2 BPSK	1	137	21.38	21.17	21.21	22.0
100	PI/2 BPSK	1	271	21.39	21.24	21.26	
100	PI/2 BPSK	135	0	20.80	20.65	20.66	
100	PI/2 BPSK	135	69	21.24	21.16	21.12	22.0
100	PI/2 BPSK	135	138	20.73	20.53	20.44	22.0
100	PI/2 BPSK	270	0	20.74	20.63	20.52	
100	QPSK	1	1	21.37	21.07	21.04	
100	QPSK	1	137	21.18	21.13	21.13	22.0
100	QPSK	1	271	21.16	21.10	21.19	
100	QPSK	135	0	20.15	20.09	20.06	
100	QPSK	135	69	21.23	21.06	21.03	22.0
100	QPSK	135	138	20.29	20.08	20.08	
100	QPSK	270	0	20.39	20.26	20.21	
100	16QAM	1	1	20.88	20.74	20.71	22.0
100	64QAM	1	1	20.81	20.69	20.68	22.0
100	256QAM	1	1	19.92	19.71	19.64	20.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	21.28	21.17	21.21	
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	21.32	21.10	21.17	
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	21.38	21.14	21.17	
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	21.28	21.12	21.11	
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	21.35	21.07	21.13	
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	21.29	21.14	21.12	
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	21.37	21.16	21.19	
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	21.33	21.10	21.15	
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	21.29	21.11	21.16	
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	21.38	21.14	21.16	
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	21.34	21.11	21.13	



<FR1 n77_Ant 8_WiFi off_DSI 1>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	22.0
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	21.70	21.74	21.70	
100	PI/2 BPSK	1	137	21.73	21.72	21.71	22.0
100	PI/2 BPSK	1	271	21.73	21.79	21.67	
100	PI/2 BPSK	135	0	21.67	21.66	21.67	
100	PI/2 BPSK	135	69	21.74	21.72	21.72	22.0
100	PI/2 BPSK	135	138	21.71	21.78	21.66	22.0
100	PI/2 BPSK	270	0	21.71	21.65	21.66	
100	QPSK	1	1	21.66	21.73	21.68	
100	QPSK	1	137	21.78	21.75	21.73	22.0
100	QPSK	1	271	21.73	21.77	21.67	
100	QPSK	135	0	21.68	21.69	21.59	
100	QPSK	135	69	21.58	21.67	21.66	22.0
100	QPSK	135	138	21.61	21.69	21.60	
100	QPSK	270	0	21.67	21.65	21.62	
100	16QAM	1	1	21.60	21.71	21.68	22.0
100	64QAM	1	1	21.55	21.65	21.58	22.0
100	256QAM	1	1	20.70	20.45	20.70	21.0
Channel				649668	656000	662332	22.0
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	20.89	20.97	20.90	
Channel				649334	656000	662666	22.0
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	20.88	21.01	20.95	
Channel				649000	656000	663000	22.0
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	20.93	20.98	20.98	
Channel				648668	656000	663332	22.0
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	20.97	21.01	20.91	
Channel				648334	656000	663666	22.0
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	20.92	20.94	20.97	
Channel				648000	656000	664000	22.0
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	20.94	20.95	20.96	
Channel				647668	656000	664332	22.0
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	20.97	20.98	20.93	
Channel				647500	656000	664500	22.0
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	20.95	21.01	20.91	
Channel				647334	656000	664666	22.0
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	20.93	21.00	20.96	
Channel				647168	656000	664832	22.0
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	20.87	20.93	20.91	
Channel				647000	656000	665000	22.0
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	20.93	21.01	20.99	



<FR1 n77_Ant 9_WiFi off_DSI 1>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.48	23.46	23.22	24.4
100	PI/2 BPSK	1	137	23.45	23.37	23.22	
100	PI/2 BPSK	1	271	23.49	23.18	23.10	
100	PI/2 BPSK	135	0	23.37	23.36	23.12	24.4
100	PI/2 BPSK	135	69	23.32	23.30	23.04	24.4
100	PI/2 BPSK	135	138	23.36	23.34	23.17	24.4
100	PI/2 BPSK	270	0	23.36	23.30	23.19	
100	QPSK	1	1	23.44	23.27	23.13	24.4
100	QPSK	1	137	23.31	23.31	23.08	
100	QPSK	1	271	23.30	23.26	22.97	
100	QPSK	135	0	23.36	23.34	23.20	24.4
100	QPSK	135	69	23.30	23.20	22.98	
100	QPSK	135	138	23.45	23.28	23.17	
100	QPSK	270	0	23.44	23.31	23.17	24.4
100	16QAM	1	1	23.42	23.27	23.14	24.4
100	64QAM	1	1	22.03	21.95	21.65	23.4
100	256QAM	1	1	19.92	19.95	19.65	21.4
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.27	23.17	22.96	24.4
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.19	23.18	22.94	24.4
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.28	23.23	22.95	24.4
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.22	23.18	22.98	24.4
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.27	23.23	22.93	24.4
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.23	23.23	22.94	24.4
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	23.24	23.23	22.92	24.4
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	23.21	23.24	22.92	24.4
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.21	23.21	23.01	24.4
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.22	23.17	22.92	24.4
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.26	23.17	22.99	24.4

<FR1 n77_Ant 4_WiFi off_DSI 1>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	20.84	20.83	21.12	
100	PI/2 BPSK	1	137	20.80	21.14	21.20	22.0
100	PI/2 BPSK	1	271	20.83	21.25	21.24	
100	PI/2 BPSK	135	0	20.36	20.09	20.46	
100	PI/2 BPSK	135	69	20.77	20.85	20.84	22.0
100	PI/2 BPSK	135	138	20.12	20.25	20.23	22.0
100	PI/2 BPSK	270	0	20.16	20.04	20.34	
100	QPSK	1	1	20.93	20.77	21.10	
100	QPSK	1	137	20.91	20.70	21.04	22.0
100	QPSK	1	271	20.72	20.55	20.86	
100	QPSK	135	0	20.15	20.15	20.08	
100	QPSK	135	69	20.72	20.47	20.86	22.0
100	QPSK	135	138	20.14	20.08	20.13	
100	QPSK	270	0	20.72	20.45	20.90	
100	16QAM	1	1	20.63	20.36	20.69	22.0
100	64QAM	1	1	20.24	20.05	20.40	22.0
100	256QAM	1	1	19.55	19.30	19.68	20.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	20.70	21.12	21.22	
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	20.79	21.06	21.19	
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	20.75	21.12	21.25	
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	20.79	21.08	21.20	
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	20.77	21.13	21.25	
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	20.71	21.10	21.17	
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	20.77	21.12	21.16	
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	20.74	21.07	21.21	
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	20.71	21.13	21.17	
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	20.79	21.14	21.22	
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	20.71	21.08	21.22	



<FR1 n77_Ant 3_WiFi off_DSI 1>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	21.20	21.07	21.07	
100	PI/2 BPSK	1	137	21.38	21.17	21.21	22.0
100	PI/2 BPSK	1	271	21.39	21.24	21.26	
100	PI/2 BPSK	135	0	20.80	20.65	20.66	22.0
100	PI/2 BPSK	135	69	21.24	21.16	21.12	22.0
100	PI/2 BPSK	135	138	20.73	20.53	20.44	22.0
100	PI/2 BPSK	270	0	20.74	20.63	20.52	
100	QPSK	1	1	21.37	21.07	21.04	
100	QPSK	1	137	21.18	21.13	21.13	22.0
100	QPSK	1	271	21.16	21.10	21.19	
100	QPSK	135	0	20.15	20.09	20.06	
100	QPSK	135	69	21.23	21.06	21.03	22.0
100	QPSK	135	138	20.29	20.08	20.08	
100	QPSK	270	0	20.39	20.26	20.21	22.0
100	16QAM	1	1	20.88	20.74	20.71	22.0
100	64QAM	1	1	20.81	20.69	20.68	22.0
100	256QAM	1	1	19.92	19.71	19.64	20.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	21.28	21.17	21.21	22.0
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	21.32	21.10	21.17	22.0
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	21.38	21.14	21.17	22.0
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	21.28	21.12	21.11	22.0
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	21.35	21.07	21.13	22.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	21.29	21.14	21.12	22.0
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	21.37	21.16	21.19	22.0
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	21.33	21.10	21.15	22.0
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	21.29	21.11	21.16	22.0
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	21.38	21.14	21.16	22.0
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	21.34	21.11	21.13	22.0



<FR1 n77_Ant 8_WiFi on_DSI 1>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	18.47	18.70	18.45	19.5
100	PI/2 BPSK	1	137	18.56	18.86	18.57	
100	PI/2 BPSK	1	271	18.58	18.89	18.74	
100	PI/2 BPSK	135	0	18.36	18.71	18.43	19.5
100	PI/2 BPSK	135	69	18.30	18.87	18.27	19.5
100	PI/2 BPSK	135	138	18.33	18.85	18.52	19.5
100	PI/2 BPSK	270	0	18.25	18.75	18.36	
100	QPSK	1	1	18.15	18.67	18.31	19.5
100	QPSK	1	137	18.65	18.78	18.53	
100	QPSK	1	271	18.41	18.70	18.41	
100	QPSK	135	0	18.60	18.75	18.34	19.5
100	QPSK	135	69	18.44	18.75	18.17	
100	QPSK	135	138	18.54	18.82	18.40	
100	QPSK	270	0	18.30	18.62	18.42	19.5
100	16QAM	1	1	17.96	18.73	18.17	19.5
100	64QAM	1	1	18.18	18.60	18.12	19.5
100	256QAM	1	1	18.26	18.77	18.32	19.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	18.56	18.46	18.57	19.5
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	18.43	18.54	18.54	19.5
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	18.39	18.52	18.52	19.5
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	18.49	18.49	18.53	19.5
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	18.39	18.40	18.38	19.5
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	18.36	18.21	18.25	19.5
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	18.23	18.28	18.28	19.5
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	18.52	18.49	18.44	19.5
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	18.33	18.37	18.25	19.5
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	18.37	18.37	18.25	19.5
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	18.44	18.34	18.29	19.5

<FR1 n77_Ant 9_WiFi on_DSI 1>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	18.15	18.25	18.31	19.5
100	PI/2 BPSK	1	137	18.12	18.24	18.15	
100	PI/2 BPSK	1	271	18.05	18.19	18.26	
100	PI/2 BPSK	135	0	17.96	18.18	18.22	19.5
100	PI/2 BPSK	135	69	17.82	18.23	18.08	19.5
100	PI/2 BPSK	135	138	17.97	18.12	18.15	19.5
100	PI/2 BPSK	270	0	17.92	18.16	18.01	
100	QPSK	1	1	17.91	18.22	18.20	19.5
100	QPSK	1	137	18.05	18.16	18.08	
100	QPSK	1	271	18.05	18.24	18.13	
100	QPSK	135	0	18.14	18.11	18.09	19.5
100	QPSK	135	69	17.93	18.16	18.08	
100	QPSK	135	138	17.90	18.17	17.99	
100	QPSK	270	0	18.01	18.17	18.23	19.5
100	16QAM	1	1	18.14	18.21	18.18	19.5
100	64QAM	1	1	18.10	18.28	18.27	19.5
100	256QAM	1	1	18.12	18.23	18.22	19.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	17.90	17.96	17.99	19.5
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	17.99	17.98	17.95	19.5
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	17.95	17.90	17.97	19.5
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	18.00	17.96	17.92	19.5
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	18.00	17.95	17.91	19.5
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	17.93	18.00	18.00	19.5
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	17.94	17.97	17.96	19.5
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	17.99	17.92	17.99	19.5
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	17.93	17.96	17.90	19.5
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	17.90	17.95	17.92	19.5
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	17.94	17.92	17.94	19.5

<FR1 n77_Ant 4_WiFi on_DSI 1>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	21.0
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	20.18	20.14	20.21	
100	PI/2 BPSK	1	137	20.20	20.22	20.27	21.0
100	PI/2 BPSK	1	271	20.28	20.36	20.29	
100	PI/2 BPSK	135	0	19.81	19.69	19.83	
100	PI/2 BPSK	135	69	20.17	20.27	20.26	21.0
100	PI/2 BPSK	135	138	19.51	19.54	19.53	21.0
100	PI/2 BPSK	270	0	19.67	19.81	19.60	
100	QPSK	1	1	20.31	20.11	20.13	
100	QPSK	1	137	20.26	20.25	20.15	21.0
100	QPSK	1	271	20.24	20.29	20.32	
100	QPSK	135	0	19.33	19.24	19.14	
100	QPSK	135	69	20.19	20.16	20.17	21.0
100	QPSK	135	138	19.46	19.12	19.28	
100	QPSK	270	0	19.52	19.34	19.31	
100	16QAM	1	1	19.95	19.79	19.79	21.0
100	64QAM	1	1	19.91	19.80	19.74	21.0
100	256QAM	1	1	19.58	19.39	19.14	20.5
Channel				649668	656000	662332	21.0
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	20.20	20.23	20.24	
Channel				649334	656000	662666	21.0
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	20.10	20.20	20.09	
Channel				649000	656000	663000	21.0
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	20.16	20.16	20.27	
Channel				648668	656000	663332	21.0
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	20.21	20.25	20.20	
Channel				648334	656000	663666	21.0
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	20.25	20.29	20.16	
Channel				648000	656000	664000	21.0
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	20.23	20.18	20.12	
Channel				647668	656000	664332	21.0
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	20.00	20.03	20.18	
Channel				647500	656000	664500	21.0
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	20.28	20.20	20.22	
Channel				647334	656000	664666	21.0
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	20.22	20.29	20.20	
Channel				647168	656000	664832	21.0
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	20.10	20.19	20.22	
Channel				647000	656000	665000	21.0
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	20.16	20.28	20.12	



<FR1 n77_Ant 3_WiFi on_DSI 1>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	19.20	19.16	19.09	20.0
100	PI/2 BPSK	1	137	19.42	19.37	19.35	
100	PI/2 BPSK	1	271	19.49	19.52	19.41	
100	PI/2 BPSK	135	0	18.84	18.85	18.84	20.0
100	PI/2 BPSK	135	69	19.34	19.36	19.21	20.0
100	PI/2 BPSK	135	138	18.81	18.65	18.46	20.0
100	PI/2 BPSK	270	0	18.94	18.69	18.57	
100	QPSK	1	1	19.25	19.27	19.11	20.0
100	QPSK	1	137	19.38	19.20	19.14	
100	QPSK	1	271	19.33	19.20	19.21	
100	QPSK	135	0	18.34	18.27	18.21	20.0
100	QPSK	135	69	19.24	19.18	19.14	
100	QPSK	135	138	18.31	18.11	18.23	
100	QPSK	270	0	18.40	18.33	18.25	20.0
100	16QAM	1	1	18.96	18.81	18.86	20.0
100	64QAM	1	1	18.98	18.72	18.73	20.0
100	256QAM	1	1	18.93	18.72	18.84	20.0
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	19.30	19.49	19.32	20.0
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	19.40	19.18	19.35	20.0
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	19.17	19.29	19.16	20.0
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	19.31	19.39	19.38	20.0
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	19.34	19.44	19.37	20.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	19.27	19.24	19.17	20.0
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	19.23	19.27	19.18	20.0
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	19.40	19.42	19.32	20.0
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	19.41	19.41	19.23	20.0
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	19.42	19.37	19.29	20.0
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	19.21	19.19	19.16	20.0

<FR1 n77_HPUE_Ant 8_DSI 0>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	25.85	26.14	26.37	
100	PI/2 BPSK	1	137	26.08	26.46	26.10	27.0
100	PI/2 BPSK	1	271	26.05	26.56	26.38	
100	PI/2 BPSK	135	0	25.51	25.80	25.93	
100	PI/2 BPSK	135	69	25.97	26.54	26.26	27.0
100	PI/2 BPSK	135	138	25.60	25.95	26.16	26.5
100	PI/2 BPSK	270	0	25.43	25.96	25.85	
100	QPSK	1	1	25.91	26.26	26.44	
100	QPSK	1	137	26.17	26.50	26.50	27.0
100	QPSK	1	271	26.26	26.54	26.54	
100	QPSK	135	0	25.10	25.22	25.44	
100	QPSK	135	69	26.06	26.37	26.46	27.0
100	QPSK	135	138	25.16	25.35	25.51	
100	QPSK	270	0	24.96	25.35	25.55	
100	16QAM	1	1	25.05	25.34	25.55	26.0
100	64QAM	1	1	23.50	23.81	24.02	24.5
100	256QAM	1	1	21.45	21.76	21.98	22.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	25.76	26.08	26.36	
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	25.81	26.08	26.33	
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	25.77	26.10	26.30	
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	25.80	26.07	26.33	
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	25.77	26.05	26.37	
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	25.78	26.12	26.27	
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	25.85	26.04	26.34	
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	25.75	26.05	26.37	
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	25.85	26.06	26.28	
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	25.83	26.10	26.35	
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	25.83	26.10	26.32	



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<FR1 n77_HPUE_Ant 9_DSI 0>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	26.30	26.30	26.18	27.0
100	PI/2 BPSK	1	137	26.23	26.18	26.03	
100	PI/2 BPSK	1	271	26.15	26.08	26.01	
100	PI/2 BPSK	135	0	25.61	25.63	25.56	26.5
100	PI/2 BPSK	135	69	26.09	26.10	26.04	27.0
100	PI/2 BPSK	135	138	25.65	25.58	25.53	26.5
100	PI/2 BPSK	270	0	25.71	25.66	25.58	
100	QPSK	1	1	26.23	26.20	26.11	27.0
100	QPSK	1	137	26.22	26.19	26.06	
100	QPSK	1	271	26.24	26.21	26.11	
100	QPSK	135	0	25.16	25.13	25.02	27.0
100	QPSK	135	69	26.19	26.18	26.06	
100	QPSK	135	138	25.08	25.10	25.04	
100	QPSK	270	0	25.18	25.12	25.06	26.0
100	16QAM	1	1	25.28	25.26	25.20	26.0
100	64QAM	1	1	23.76	23.76	23.66	24.5
100	256QAM	1	1	21.78	21.71	21.58	22.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	26.10	25.98	25.95	27.0
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	26.14	25.98	25.92	27.0
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	26.07	26.00	25.92	27.0
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	26.12	26.00	26.01	27.0
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	26.06	25.98	25.98	27.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	26.09	25.98	26.01	27.0
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	26.06	26.08	25.95	27.0
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	26.14	26.01	25.95	27.0
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	26.09	26.07	25.94	27.0
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	26.09	26.00	25.99	27.0
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	26.10	26.01	25.94	27.0



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<FR1 n77_HPUE_Ant 8_DSI 3>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	22.8
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	21.93	22.06	22.17	
100	PI/2 BPSK	1	137	21.93	22.29	22.18	22.8
100	PI/2 BPSK	1	271	21.94	22.32	22.20	
100	PI/2 BPSK	135	0	21.78	22.15	22.04	
100	PI/2 BPSK	135	69	21.87	22.25	22.11	22.8
100	PI/2 BPSK	135	138	21.91	22.26	22.11	
100	PI/2 BPSK	270	0	21.74	22.13	22.03	
100	QPSK	1	1	21.58	22.03	21.98	22.8
100	QPSK	1	137	21.86	22.20	22.09	
100	QPSK	1	271	21.77	22.17	21.99	
100	QPSK	135	0	21.82	22.21	22.16	22.8
100	QPSK	135	69	21.75	22.15	22.12	
100	QPSK	135	138	21.87	22.24	22.09	
100	QPSK	270	0	21.73	22.10	21.91	22.8
100	16QAM	1	1	21.63	22.04	21.95	22.8
100	64QAM	1	1	21.60	22.00	21.92	22.8
100	256QAM	1	1	21.75	22.16	22.06	22.8
Channel				649668	656000	662332	22.8
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	21.80	22.19	22.15	
Channel				649334	656000	662666	22.8
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	21.88	22.15	21.95	
Channel				649000	656000	663000	22.8
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	21.85	22.18	22.03	
Channel				648668	656000	663332	22.8
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	21.74	22.15	22.03	
Channel				648334	656000	663666	22.8
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	21.51	21.90	21.92	
Channel				648000	656000	664000	22.8
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	21.73	22.23	21.86	
Channel				647668	656000	664332	22.8
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	21.91	22.21	22.03	
Channel				647500	656000	664500	22.8
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	21.86	22.12	22.01	
Channel				647334	656000	664666	22.8
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	21.73	22.15	22.00	
Channel				647168	656000	664832	22.8
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	21.74	22.21	21.99	
Channel				647000	656000	665000	22.8
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	21.83	22.24	22.00	



<FR1 n77_HPUE_Ant 9_DSI 3>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	22.11	22.56	22.09	23.0
100	PI/2 BPSK	1	137	22.10	22.23	22.02	
100	PI/2 BPSK	1	271	22.02	22.20	22.01	
100	PI/2 BPSK	135	0	22.05	22.17	21.97	23.0
100	PI/2 BPSK	135	69	21.91	22.11	22.07	23.0
100	PI/2 BPSK	135	138	22.07	22.15	22.05	23.0
100	PI/2 BPSK	270	0	21.92	22.08	21.98	
100	QPSK	1	1	22.03	22.17	22.06	
100	QPSK	1	137	21.94	22.11	21.97	23.0
100	QPSK	1	271	22.10	22.15	22.06	
100	QPSK	135	0	22.06	22.10	22.05	
100	QPSK	135	69	21.91	22.09	22.05	23.0
100	QPSK	135	138	21.99	22.06	22.00	
100	QPSK	270	0	22.02	22.13	22.02	
100	16QAM	1	1	21.97	22.06	22.06	23.0
100	64QAM	1	1	21.96	22.01	21.95	23.0
100	256QAM	1	1	21.66	21.64	21.50	23.0
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	21.92	22.19	21.96	
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	22.08	22.08	21.82	
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	21.86	22.18	21.84	
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	22.01	22.15	21.91	
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	21.87	21.95	21.87	
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	21.83	21.93	21.97	
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	21.86	21.97	21.87	
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	21.87	22.02	21.77	
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	21.94	22.06	22.05	
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	21.83	21.95	21.91	
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	21.83	21.98	21.87	



FCC SAR TEST REPORT

Report No. : FA3N2802B

<FR1 n77_HPUE_Ant 8_WiFi off_DSI 1>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	25.0
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	24.60	24.67	24.66	
100	PI/2 BPSK	1	137	24.65	24.70	24.63	25.0
100	PI/2 BPSK	1	271	24.68	24.72	24.63	
100	PI/2 BPSK	135	0	24.60	24.65	24.65	
100	PI/2 BPSK	135	69	24.66	24.69	24.64	25.0
100	PI/2 BPSK	135	138	24.61	24.71	24.65	
100	PI/2 BPSK	270	0	24.62	24.63	24.60	
100	QPSK	1	1	24.65	24.65	24.63	25.0
100	QPSK	1	137	24.68	24.68	24.67	
100	QPSK	1	271	24.67	24.68	24.62	
100	QPSK	135	0	24.64	24.64	24.59	25.0
100	QPSK	135	69	24.57	24.59	24.59	
100	QPSK	135	138	24.58	24.61	24.56	
100	QPSK	270	0	24.61	24.62	24.55	25.0
100	16QAM	1	1	24.57	24.61	24.60	25.0
100	64QAM	1	1	23.51	23.58	23.53	24.5
100	256QAM	1	1	21.51	21.53	21.43	22.5
Channel				649668	656000	662332	25.0
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	24.10	24.06	24.06	
Channel				649334	656000	662666	25.0
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	24.04	24.11	24.04	
Channel				649000	656000	663000	25.0
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	24.11	24.06	24.07	
Channel				648668	656000	663332	25.0
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	24.11	24.08	24.06	
Channel				648334	656000	663666	25.0
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	24.10	24.11	24.06	
Channel				648000	656000	664000	25.0
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	24.09	24.05	24.03	
Channel				647668	656000	664332	25.0
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	24.06	24.10	24.05	
Channel				647500	656000	664500	25.0
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	24.12	24.04	24.08	
Channel				647334	656000	664666	25.0
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	24.06	24.12	24.13	
Channel				647168	656000	664832	25.0
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	24.03	24.05	24.09	
Channel				647000	656000	665000	25.0
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	24.12	24.06	24.08	



FCC SAR TEST REPORT

Report No. : FA3N2802B

<FR1 n77_HPUE_Ant 9_WiFi off_DSI 0>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	26.30	26.30	26.18	
100	PI/2 BPSK	1	137	26.23	26.18	26.03	27.0
100	PI/2 BPSK	1	271	26.15	26.08	26.01	
100	PI/2 BPSK	135	0	25.61	25.63	25.56	
100	PI/2 BPSK	135	69	26.09	26.10	26.04	27.0
100	PI/2 BPSK	135	138	25.65	25.58	25.53	26.5
100	PI/2 BPSK	270	0	25.71	25.66	25.58	
100	QPSK	1	1	26.23	26.20	26.11	
100	QPSK	1	137	26.22	26.19	26.06	27.0
100	QPSK	1	271	26.24	26.21	26.11	
100	QPSK	135	0	25.16	25.13	25.02	
100	QPSK	135	69	26.19	26.18	26.06	27.0
100	QPSK	135	138	25.08	25.10	25.04	
100	QPSK	270	0	25.18	25.12	25.06	
100	16QAM	1	1	25.28	25.26	25.20	26.0
100	64QAM	1	1	23.76	23.76	23.66	24.5
100	256QAM	1	1	21.78	21.71	21.58	22.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	26.10	26.08	25.98	
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	26.09	25.99	25.91	
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	26.11	26.05	25.91	
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	26.14	26.05	25.92	
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	26.05	26.02	25.92	
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	26.09	26.05	26.00	
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	26.10	26.03	25.95	
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	26.13	26.07	25.97	
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	26.10	26.07	25.92	
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	26.06	26.04	25.94	
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	26.06	26.04	26.00	



<FR1 n77_Ant 8_DSI 0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.33		25.0
100	PI/2 BPSK	1	137		24.32		
100	PI/2 BPSK	1	271		24.28		
100	PI/2 BPSK	135	0		23.73		
100	PI/2 BPSK	135	69		24.25		24.5
100	PI/2 BPSK	135	138		23.66		24.5
100	PI/2 BPSK	270	0		23.73		
100	QPSK	1	1		24.30		25.0
100	QPSK	1	137		24.32		
100	QPSK	1	271		24.22		
100	QPSK	135	0		23.30		25.0
100	QPSK	135	69		24.24		
100	QPSK	135	138		23.16		
100	QPSK	270	0		23.23		24.0
100	16QAM	1	1		23.45		24.0
100	64QAM	1	1		21.89		22.5
100	256QAM	1	1		19.90		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	24.26	24.22	24.20	25.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	24.23	24.28	24.24	25.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	24.21	24.18	24.25	25.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	24.26	24.24	24.23	25.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.27	24.19	24.27	25.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	24.25	24.18	24.26	25.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	24.21	24.25	24.24	25.0
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	24.18	24.24	24.28	25.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	24.21	24.28	24.27	25.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	24.28	24.23	24.24	25.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	24.23	24.18	24.23	25.0



<FR1 n77_Ant 9_DSI 0>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		25.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.13		
100	PI/2 BPSK	1	137		24.09		24.5
100	PI/2 BPSK	1	271		24.10		
100	PI/2 BPSK	135	0		23.56		
100	PI/2 BPSK	135	69		24.08		24.5
100	PI/2 BPSK	135	138		23.60		
100	PI/2 BPSK	270	0		23.54		
100	QPSK	1	1		24.12		25.0
100	QPSK	1	137		24.08		
100	QPSK	1	271		24.11		
100	QPSK	135	0		23.05		25.0
100	QPSK	135	69		24.10		
100	QPSK	135	138		23.12		
100	QPSK	270	0		23.02		24.0
100	16QAM	1	1		23.10		24.0
100	64QAM	1	1		21.64		22.5
100	256QAM	1	1		19.61		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	24.07	24.04	24.00	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	24.04	24.00	24.02	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	24.00	24.04	24.01	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	24.03	24.08	24.01	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.05	24.07	24.06	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	24.04	24.05	24.06	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	24.10	24.07	24.10	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	24.00	24.10	24.03	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	24.07	24.06	24.10	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	24.00	24.03	24.10	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	24.07	24.05	24.03	



<FR1 n77_Ant 4_DSI 0>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		22.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		20.97		
100	PI/2 BPSK	1	137		20.78		22.0
100	PI/2 BPSK	1	271		20.68		
100	PI/2 BPSK	135	0		20.34		
100	PI/2 BPSK	135	69		20.77		22.0
100	PI/2 BPSK	135	138		20.16		22.0
100	PI/2 BPSK	270	0		20.26		
100	QPSK	1	1		20.83		
100	QPSK	1	137		20.81		22.0
100	QPSK	1	271		20.76		
100	QPSK	135	0		20.01		
100	QPSK	135	69		20.73		22.0
100	QPSK	135	138		20.04		
100	QPSK	270	0		20.73		
100	16QAM	1	1		20.56		22.0
100	64QAM	1	1		20.55		22.0
100	256QAM	1	1		19.55		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	20.65	20.67	20.68	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	20.66	20.65	20.58	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	20.68	20.59	20.61	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	20.64	20.62	20.58	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	20.58	20.64	20.62	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	20.64	20.64	20.66	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	20.61	20.61	20.64	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	20.62	20.59	20.58	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	20.61	20.58	20.64	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	20.66	20.63	20.63	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	20.60	20.62	20.64	



<FR1 n77_Ant 3_DSI 0>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		22.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		20.66		
100	PI/2 BPSK	1	137		20.68		22.0
100	PI/2 BPSK	1	271		20.69		
100	PI/2 BPSK	135	0		20.13		
100	PI/2 BPSK	135	69		20.63		22.0
100	PI/2 BPSK	135	138		20.22		22.0
100	PI/2 BPSK	270	0		20.14		
100	QPSK	1	1		20.66		
100	QPSK	1	137		20.66		22.0
100	QPSK	1	271		20.66		
100	QPSK	135	0		20.06		
100	QPSK	135	69		20.67		22.0
100	QPSK	135	138		20.05		
100	QPSK	270	0		20.09		
100	16QAM	1	1		20.56		22.0
100	64QAM	1	1		20.24		22.0
100	256QAM	1	1		19.25		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	20.57	20.66	20.66	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	20.62	20.61	20.66	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	20.60	20.66	20.63	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	20.65	20.59	20.61	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	20.58	20.65	20.64	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	20.64	20.57	20.59	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	20.60	20.61	20.60	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	20.66	20.56	20.58	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	20.61	20.61	20.66	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	20.66	20.59	20.60	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	20.66	20.56	20.58	



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<FR1 n77_Ant 8_DSI 3>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		19.8
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		19.03		
100	PI/2 BPSK	1	137		18.94		19.8
100	PI/2 BPSK	1	271		19.00		
100	PI/2 BPSK	135	0		18.87		
100	PI/2 BPSK	135	69		18.91		19.8
100	PI/2 BPSK	135	138		18.79		19.8
100	PI/2 BPSK	270	0		18.72		
100	QPSK	1	1		18.62		
100	QPSK	1	137		18.92		19.8
100	QPSK	1	271		18.76		
100	QPSK	135	0		18.76		
100	QPSK	135	69		18.62		19.8
100	QPSK	135	138		18.93		
100	QPSK	270	0		18.80		
100	16QAM	1	1		18.57		19.8
100	64QAM	1	1		18.40		19.8
100	256QAM	1	1		18.67		19.8
Channel				633000	633332	633666	19.8
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	18.92	18.88	19.01	
Channel				632668	633332	634000	19.8
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	18.74	18.78	18.80	
Channel				632334	633332	634332	19.8
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	18.68	18.55	18.69	
Channel				632000	633332	634666	19.8
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	18.74	18.62	18.71	
Channel				631668	633332	635000	19.8
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	18.79	18.75	18.87	
Channel				631334	633332	635332	19.8
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	18.93	18.99	18.96	
Channel				631000	633332	635666	19.8
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	18.96	18.98	18.97	
Channel				630834	633332	635832	19.8
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	18.76	18.74	18.83	
Channel				630668	633332	636000	19.8
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	18.53	18.56	18.59	
Channel				630500	633332	636166	19.8
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	18.63	18.67	18.72	
Channel				630334	633332	636332	19.8
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	18.81	18.74	18.75	



<FR1 n77_Ant 9_DSI 3>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		20.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		18.89		
100	PI/2 BPSK	1	137		18.87		20.0
100	PI/2 BPSK	1	271		18.71		
100	PI/2 BPSK	135	0		18.76		
100	PI/2 BPSK	135	69		18.69		20.0
100	PI/2 BPSK	135	138		18.67		20.0
100	PI/2 BPSK	270	0		18.74		
100	QPSK	1	1		18.87		
100	QPSK	1	137		18.83		20.0
100	QPSK	1	271		18.76		
100	QPSK	135	0		18.77		
100	QPSK	135	69		18.81		20.0
100	QPSK	135	138		18.76		
100	QPSK	270	0		18.85		
100	16QAM	1	1		18.80		20.0
100	64QAM	1	1		18.81		20.0
100	256QAM	1	1		18.84		20.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	18.78	18.75	18.75	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	18.51	18.67	18.69	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	18.68	18.73	18.76	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	18.59	18.65	18.49	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	18.52	18.62	18.57	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	18.65	18.58	18.58	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	18.77	18.68	18.72	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	18.82	18.81	18.76	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	18.74	18.63	18.57	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	18.70	18.76	18.72	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	18.71	18.78	18.73	



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<FR1 n77_Ant 4_DSI 3>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		20.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		18.89		
100	PI/2 BPSK	1	137		18.72		20.0
100	PI/2 BPSK	1	271		18.67		
100	PI/2 BPSK	135	0		18.70		
100	PI/2 BPSK	135	69		18.75		20.0
100	PI/2 BPSK	135	138		18.66		20.0
100	PI/2 BPSK	270	0		18.67		
100	QPSK	1	1		18.67		
100	QPSK	1	137		18.75		20.0
100	QPSK	1	271		18.69		
100	QPSK	135	0		18.69		
100	QPSK	135	69		18.70		20.0
100	QPSK	135	138		18.73		
100	QPSK	270	0		18.74		
100	16QAM	1	1		18.71		20.0
100	64QAM	1	1		18.74		20.0
100	256QAM	1	1		18.76		20.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	18.59	18.66	18.58	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	18.60	18.56	18.60	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	18.60	18.58	18.65	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	18.61	18.63	18.66	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	18.58	18.64	18.66	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	18.62	18.56	18.57	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	18.66	18.60	18.57	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	18.64	18.56	18.64	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	18.57	18.64	18.64	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	18.64	18.65	18.60	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	18.65	18.57	18.63	



<FR1 n77_Ant 3_DSI 3>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		22.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		20.66		
100	PI/2 BPSK	1	137		20.68		22.0
100	PI/2 BPSK	1	271		20.69		
100	PI/2 BPSK	135	0		20.13		
100	PI/2 BPSK	135	69		20.63		22.0
100	PI/2 BPSK	135	138		20.22		22.0
100	PI/2 BPSK	270	0		20.14		
100	QPSK	1	1		20.66		
100	QPSK	1	137		20.66		22.0
100	QPSK	1	271		20.66		
100	QPSK	135	0		20.06		
100	QPSK	135	69		20.67		22.0
100	QPSK	135	138		20.05		
100	QPSK	270	0		20.09		
100	16QAM	1	1		20.56		22.0
100	64QAM	1	1		20.24		22.0
100	256QAM	1	1		19.25		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	20.57	20.66	20.66	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	20.62	20.61	20.66	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	20.60	20.66	20.63	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	20.65	20.59	20.61	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	20.58	20.65	20.64	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	20.64	20.57	20.59	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	20.60	20.61	20.60	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	20.66	20.56	20.58	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	20.61	20.61	20.66	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	20.66	20.59	20.60	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	20.66	20.56	20.58	



<FR1 n77_Ant 8_WiFi off_DSI 1>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		22.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		21.53		
100	PI/2 BPSK	1	137		21.46		22.0
100	PI/2 BPSK	1	271		21.60		
100	PI/2 BPSK	135	0		21.39		
100	PI/2 BPSK	135	69		21.43		22.0
100	PI/2 BPSK	135	138		21.48		22.0
100	PI/2 BPSK	270	0		21.39		
100	QPSK	1	1		21.49		
100	QPSK	1	137		21.46		22.0
100	QPSK	1	271		21.48		
100	QPSK	135	0		21.45		
100	QPSK	135	69		21.42		22.0
100	QPSK	135	138		21.44		
100	QPSK	270	0		21.35		
100	16QAM	1	1		21.48		22.0
100	64QAM	1	1		21.41		22.0
100	256QAM	1	1		19.45		21.0
Channel				633000	633332	633666	22.0
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	20.60	20.65	20.59	
Channel				632668	633332	634000	22.0
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	20.62	20.55	20.55	
Channel				632334	633332	634332	22.0
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	20.65	20.64	20.58	
Channel				632000	633332	634666	22.0
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	20.57	20.65	20.58	
Channel				631668	633332	635000	22.0
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	20.62	20.64	20.61	
Channel				631334	633332	635332	22.0
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	20.65	20.61	20.63	
Channel				631000	633332	635666	22.0
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	20.58	20.62	20.64	
Channel				630834	633332	635832	22.0
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	20.63	20.55	20.65	
Channel				630668	633332	636000	22.0
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	20.58	20.55	20.60	
Channel				630500	633332	636166	22.0
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	20.63	20.58	20.62	
Channel				630334	633332	636332	22.0
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	20.64	20.64	20.55	

<FR1 n77_Ant 9_WiFi off_DSI 0>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		24.4
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.13		
100	PI/2 BPSK	1	137		24.09		24.4
100	PI/2 BPSK	1	271		24.10		
100	PI/2 BPSK	135	0		23.56		
100	PI/2 BPSK	135	69		24.08		24.4
100	PI/2 BPSK	135	138		23.60		24.4
100	PI/2 BPSK	270	0		23.54		
100	QPSK	1	1		24.12		
100	QPSK	1	137		24.08		24.4
100	QPSK	1	271		24.11		
100	QPSK	135	0		23.05		
100	QPSK	135	69		24.10		24.4
100	QPSK	135	138		23.12		
100	QPSK	270	0		23.02		
100	16QAM	1	1		23.10		24.0
100	64QAM	1	1		21.64		22.5
100	256QAM	1	1		19.61		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	24.07	24.04	24.00	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	24.04	24.00	24.02	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	24.00	24.04	24.01	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	24.03	24.08	24.01	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.05	24.07	24.06	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	24.04	24.05	24.06	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	24.10	24.07	24.10	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	24.00	24.10	24.03	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	24.07	24.06	24.10	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	24.00	24.03	24.10	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	24.07	24.05	24.03	



<FR1 n77_Ant 4_WiFi off_DSI 0>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		20.97		22.0
100	PI/2 BPSK	1	137		20.78		
100	PI/2 BPSK	1	271		20.68		
100	PI/2 BPSK	135	0		20.34		22.0
100	PI/2 BPSK	135	69		20.77		22.0
100	PI/2 BPSK	135	138		20.16		22.0
100	PI/2 BPSK	270	0		20.26		
100	QPSK	1	1		20.83		22.0
100	QPSK	1	137		20.81		
100	QPSK	1	271		20.76		
100	QPSK	135	0		20.01		22.0
100	QPSK	135	69		20.73		
100	QPSK	135	138		20.04		
100	QPSK	270	0		20.73		22.0
100	16QAM	1	1		20.56		22.0
100	64QAM	1	1		20.55		22.0
100	256QAM	1	1		19.55		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	20.65	20.67	20.68	22.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	20.66	20.65	20.58	22.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	20.68	20.59	20.61	22.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	20.64	20.62	20.58	22.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	20.58	20.64	20.62	22.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	20.64	20.64	20.66	22.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	20.61	20.61	20.64	22.0
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	20.62	20.59	20.58	22.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	20.61	20.58	20.64	22.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	20.66	20.63	20.63	22.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	20.60	20.62	20.64	22.0



<FR1 n77_Ant 3_WiFi off_DSI 0>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		22.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		20.66		
100	PI/2 BPSK	1	137		20.68		22.0
100	PI/2 BPSK	1	271		20.69		
100	PI/2 BPSK	135	0		20.13		
100	PI/2 BPSK	135	69		20.63		22.0
100	PI/2 BPSK	135	138		20.22		22.0
100	PI/2 BPSK	270	0		20.14		
100	QPSK	1	1		20.66		
100	QPSK	1	137		20.66		22.0
100	QPSK	1	271		20.66		
100	QPSK	135	0		20.06		
100	QPSK	135	69		20.67		22.0
100	QPSK	135	138		20.05		
100	QPSK	270	0		20.09		
100	16QAM	1	1		20.56		22.0
100	64QAM	1	1		20.24		22.0
100	256QAM	1	1		19.25		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	20.57	20.66	20.66	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	20.62	20.61	20.66	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	20.60	20.66	20.63	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	20.65	20.59	20.61	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	20.58	20.65	20.64	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	20.64	20.57	20.59	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	20.60	20.61	20.60	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	20.66	20.56	20.58	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	20.61	20.61	20.66	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	20.66	20.59	20.60	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	20.66	20.56	20.58	

<FR1 n77_Ant 8_WiFi on_DSI 1>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		19.5
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		18.60		
100	PI/2 BPSK	1	137		18.51		19.5
100	PI/2 BPSK	1	271		18.45		
100	PI/2 BPSK	135	0		18.36		
100	PI/2 BPSK	135	69		18.31		19.5
100	PI/2 BPSK	135	138		18.44		19.5
100	PI/2 BPSK	270	0		18.34		
100	QPSK	1	1		18.20		
100	QPSK	1	137		18.54		19.5
100	QPSK	1	271		18.34		
100	QPSK	135	0		18.34		
100	QPSK	135	69		18.33		19.5
100	QPSK	135	138		18.42		
100	QPSK	270	0		18.31		
100	16QAM	1	1		18.07		19.5
100	64QAM	1	1		18.10		19.5
100	256QAM	1	1		18.42		19.5
Channel				633000	633332	633666	19.5
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	18.46	18.55	18.50	
Channel				632668	633332	634000	19.5
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	18.56	18.57	18.56	
Channel				632334	633332	634332	19.5
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	18.57	18.43	18.52	
Channel				632000	633332	634666	19.5
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	18.39	18.41	18.38	
Channel				631668	633332	635000	19.5
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	18.32	18.51	18.45	
Channel				631334	633332	635332	19.5
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	18.41	18.50	18.37	
Channel				631000	633332	635666	19.5
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	18.24	18.20	18.17	
Channel				630834	633332	635832	19.5
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	18.51	18.54	18.49	
Channel				630668	633332	636000	19.5
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	18.45	18.35	18.46	
Channel				630500	633332	636166	19.5
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	18.43	18.50	18.41	
Channel				630334	633332	636332	19.5
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	18.47	18.39	18.43	



<FR1 n77_Ant 9_WiFi on_DSI 1>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		18.29		19.5
100	PI/2 BPSK	1	137		18.26		
100	PI/2 BPSK	1	271		18.25		
100	PI/2 BPSK	135	0		18.13		19.5
100	PI/2 BPSK	135	69		18.14		19.5
100	PI/2 BPSK	135	138		18.19		19.5
100	PI/2 BPSK	270	0		18.15		
100	QPSK	1	1		18.21		19.5
100	QPSK	1	137		18.18		
100	QPSK	1	271		18.20		
100	QPSK	135	0		18.25		19.5
100	QPSK	135	69		18.13		
100	QPSK	135	138		18.21		
100	QPSK	270	0		18.17		19.5
100	16QAM	1	1		18.19		19.5
100	64QAM	1	1		18.23		19.5
100	256QAM	1	1		18.13		19.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	17.97	17.92	17.95	19.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	17.97	17.92	17.95	19.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	17.96	17.91	17.93	19.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	17.99	17.99	18.00	19.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	17.95	17.93	17.98	19.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	17.97	17.92	17.96	19.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	17.95	17.91	17.97	19.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	17.97	17.97	17.96	19.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	17.93	17.91	17.99	19.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	17.93	17.90	17.94	19.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	17.99	17.95	17.94	19.5



<FR1 n77_Ant 4_WiFi on_DSI 1>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		20.24		21.0
100	PI/2 BPSK	1	137		20.05		
100	PI/2 BPSK	1	271		19.95		
100	PI/2 BPSK	135	0		19.61		21.0
100	PI/2 BPSK	135	69		20.04		21.0
100	PI/2 BPSK	135	138		19.43		21.0
100	PI/2 BPSK	270	0		19.53		
100	QPSK	1	1		20.10		21.0
100	QPSK	1	137		20.08		
100	QPSK	1	271		20.03		
100	QPSK	135	0		19.28		21.0
100	QPSK	135	69		20.00		
100	QPSK	135	138		19.31		
100	QPSK	270	0		20.00		21.0
100	16QAM	1	1		19.83		21.0
100	64QAM	1	1		19.82		21.0
100	256QAM	1	1		18.82		20.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	20.10	20.15	20.21	21.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	20.08	20.06	20.20	21.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	20.21	20.22	20.22	21.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	20.20	20.17	20.11	21.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	20.12	20.13	20.21	21.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	20.17	20.16	20.19	21.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	20.13	20.20	20.22	21.0
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	20.14	20.21	20.17	21.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	20.23	20.17	20.10	21.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	20.27	20.31	20.17	21.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	20.07	20.12	20.20	21.0



<FR1 n77_Ant 3_WiFi on_DSI 1>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		19.27		20.0
100	PI/2 BPSK	1	137		19.38		
100	PI/2 BPSK	1	271		19.40		
100	PI/2 BPSK	135	0		18.83		20.0
100	PI/2 BPSK	135	69		19.16		20.0
100	PI/2 BPSK	135	138		18.83		20.0
100	PI/2 BPSK	270	0		18.86		
100	QPSK	1	1		19.24		20.0
100	QPSK	1	137		19.37		
100	QPSK	1	271		19.20		
100	QPSK	135	0		18.61		20.0
100	QPSK	135	69		19.23		
100	QPSK	135	138		18.73		
100	QPSK	270	0		18.76		20.0
100	16QAM	1	1		19.25		20.0
100	64QAM	1	1		18.79		20.0
100	256QAM	1	1		18.84		20.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	19.31	19.38	19.28	20.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	19.24	19.36	19.22	20.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	19.17	19.23	19.08	20.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	19.16	19.29	19.09	20.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	19.29	19.31	19.18	20.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	19.18	19.35	19.08	20.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	19.11	19.27	19.22	20.0
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	19.24	19.37	19.10	20.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	19.26	19.32	19.08	20.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	19.19	19.29	19.28	20.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	19.13	19.25	19.11	20.0

<FR1 n77_HPUE_Ant 8_DSI 0>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		26.33		27.0
100	PI/2 BPSK	1	137		26.29		
100	PI/2 BPSK	1	271		25.97		
100	PI/2 BPSK	135	0		25.75		26.5
100	PI/2 BPSK	135	69		26.19		27.0
100	PI/2 BPSK	135	138		25.62		26.5
100	PI/2 BPSK	270	0		25.66		
100	QPSK	1	1		26.25		27.0
100	QPSK	1	137		26.27		
100	QPSK	1	271		26.04		
100	QPSK	135	0		25.17		27.0
100	QPSK	135	69		26.26		
100	QPSK	135	138		25.19		
100	QPSK	270	0		25.24		26.0
100	16QAM	1	1		25.51		26.0
100	64QAM	1	1		23.86		24.5
100	256QAM	1	1		21.85		22.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.92	25.93	25.92	27.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.95	25.95	25.94	27.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.88	25.92	25.87	27.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	25.95	25.87	25.89	27.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.93	25.90	25.96	27.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.91	25.95	25.90	27.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.97	25.87	25.96	27.0
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	25.95	25.88	25.93	27.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.93	25.89	25.87	27.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.92	25.94	25.97	27.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	25.93	25.91	25.92	27.0



<FR1 n77_HPUE_Ant 9_DSI 0>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		27.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		25.31		
100	PI/2 BPSK	1	137		25.22		26.5
100	PI/2 BPSK	1	271		25.00		
100	PI/2 BPSK	135	0		25.05		
100	PI/2 BPSK	135	69		25.28		26.5
100	PI/2 BPSK	135	138		24.86		
100	PI/2 BPSK	270	0		24.95		
100	QPSK	1	1		25.19		27.0
100	QPSK	1	137		25.12		
100	QPSK	1	271		25.08		
100	QPSK	135	0		25.04		27.0
100	QPSK	135	69		25.28		
100	QPSK	135	138		25.10		
100	QPSK	270	0		24.64		26.0
100	16QAM	1	1		24.71		
100	64QAM	1	1		23.47		
100	256QAM	1	1		21.35		22.5
Channel				633000	633332	633666	27.0
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.15	25.14	25.19	
Channel				632668	633332	634000	27.0
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.19	25.20	25.21	
Channel				632334	633332	634332	27.0
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.15	25.15	25.15	
Channel				632000	633332	634666	27.0
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	25.22	25.14	25.21	
Channel				631668	633332	635000	27.0
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.15	25.12	25.20	
Channel				631334	633332	635332	27.0
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.14	25.17	25.21	
Channel				631000	633332	635666	27.0
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.15	25.18	25.19	
Channel				630834	633332	635832	27.0
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	25.12	25.13	25.22	
Channel				630668	633332	636000	27.0
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.18	25.20	25.17	
Channel				630500	633332	636166	27.0
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.19	25.14	25.13	
Channel				630334	633332	636332	27.0
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	25.16	25.14	25.12	

<FR1 n77_HPUE_Ant 8_DSI 3>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		22.8
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		22.06		
100	PI/2 BPSK	1	137		22.03		22.8
100	PI/2 BPSK	1	271		22.00		
100	PI/2 BPSK	135	0		21.93		
100	PI/2 BPSK	135	69		21.91		22.8
100	PI/2 BPSK	135	138		21.92		
100	PI/2 BPSK	270	0		21.81		
100	QPSK	1	1		21.74		22.8
100	QPSK	1	137		22.00		
100	QPSK	1	271		21.80		
100	QPSK	135	0		21.92		22.8
100	QPSK	135	69		21.79		
100	QPSK	135	138		22.02		
100	QPSK	270	0		21.82		22.8
100	16QAM	1	1		21.64		22.8
100	64QAM	1	1		21.60		22.8
100	256QAM	1	1		21.87		22.8
Channel				633000	633332	633666	22.8
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	22.00	22.04	21.95	
Channel				632668	633332	634000	22.8
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	21.98	22.01	21.89	
Channel				632334	633332	634332	22.8
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	21.88	21.93	21.98	
Channel				632000	633332	634666	22.8
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	22.01	21.97	22.03	
Channel				631668	633332	635000	22.8
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	21.96	21.86	21.97	
Channel				631334	633332	635332	22.8
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	21.95	21.97	22.01	
Channel				631000	633332	635666	22.8
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	21.99	21.96	22.00	
Channel				630834	633332	635832	22.8
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	21.88	21.88	21.91	
Channel				630668	633332	636000	22.8
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	22.02	21.84	21.88	
Channel				630500	633332	636166	22.8
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	21.99	21.94	21.94	
Channel				630334	633332	636332	22.8
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	21.87	22.00	22.02	



<FR1 n77_HPUE_Ant 9_DSI 3>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		23.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		21.96		
100	PI/2 BPSK	1	137		21.93		23.0
100	PI/2 BPSK	1	271		21.90		
100	PI/2 BPSK	135	0		21.87		
100	PI/2 BPSK	135	69		21.81		23.0
100	PI/2 BPSK	135	138		21.82		
100	PI/2 BPSK	270	0		21.92		
100	QPSK	1	1		21.88		23.0
100	QPSK	1	137		21.93		
100	QPSK	1	271		21.91		
100	QPSK	135	0		21.90		23.0
100	QPSK	135	69		21.87		
100	QPSK	135	138		21.93		
100	QPSK	270	0		21.95		23.0
100	16QAM	1	1		21.93		23.0
100	64QAM	1	1		21.87		23.0
100	256QAM	1	1		21.90		23.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	21.93	21.81	21.91	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	21.71	21.86	21.72	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	21.70	21.73	21.67	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	21.61	21.70	21.76	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	21.71	21.63	21.63	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	21.84	21.86	21.90	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	21.79	21.79	21.80	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	21.79	21.79	21.80	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	21.73	21.76	21.78	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	21.86	21.71	21.83	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	21.85	21.86	21.79	



<FR1 n77_HPUE_Ant 8_WiFi off_DSI 1>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		25.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.67		
100	PI/2 BPSK	1	137		24.65		25.0
100	PI/2 BPSK	1	271		24.62		
100	PI/2 BPSK	135	0		24.58		
100	PI/2 BPSK	135	69		24.59		25.0
100	PI/2 BPSK	135	138		24.62		
100	PI/2 BPSK	270	0		24.53		
100	QPSK	1	1		24.61		25.0
100	QPSK	1	137		24.58		
100	QPSK	1	271		24.58		
100	QPSK	135	0		24.57		25.0
100	QPSK	135	69		24.58		
100	QPSK	135	138		24.52		
100	QPSK	270	0		24.56		25.0
100	16QAM	1	1		24.57		
100	64QAM	1	1		23.58		
100	256QAM	1	1		21.45		22.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.72	23.74	23.73	
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.75	23.68	23.69	
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.74	23.73	23.72	
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.66	23.75	23.65	
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.68	23.73	23.75	
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.75	23.66	23.67	
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.69	23.73	23.74	
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	23.68	23.66	23.72	
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.69	23.70	23.66	
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.72	23.65	23.75	
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.72	23.75	23.74	



<FR1 n77_HPUE_Ant 9_WiFi off_DSI 0>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		27.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		25.31		
100	PI/2 BPSK	1	137		25.22		26.5
100	PI/2 BPSK	1	271		25.00		
100	PI/2 BPSK	135	0		25.05		
100	PI/2 BPSK	135	69		25.28		26.5
100	PI/2 BPSK	135	138		24.86		
100	PI/2 BPSK	270	0		24.95		
100	QPSK	1	1		25.19		27.0
100	QPSK	1	137		25.12		
100	QPSK	1	271		25.08		
100	QPSK	135	0		25.04		27.0
100	QPSK	135	69		25.28		
100	QPSK	135	138		25.10		
100	QPSK	270	0		24.64		26.0
100	16QAM	1	1		24.71		
100	64QAM	1	1		23.47		
100	256QAM	1	1		21.35		22.5
Channel				633000	633332	633666	27.0
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	26.51	26.49	26.43	
Channel				632668	633332	634000	27.0
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	26.42	26.49	26.42	
Channel				632334	633332	634332	27.0
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	26.44	26.50	26.45	
Channel				632000	633332	634666	27.0
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	26.51	26.44	26.49	
Channel				631668	633332	635000	27.0
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	26.50	26.48	26.51	
Channel				631334	633332	635332	27.0
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	26.52	26.52	26.50	
Channel				631000	633332	635666	27.0
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	26.42	26.45	26.42	
Channel				630834	633332	635832	27.0
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	26.45	26.52	26.49	
Channel				630668	633332	636000	27.0
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	26.45	26.43	26.51	
Channel				630500	633332	636166	27.0
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	26.50	26.44	26.50	
Channel				630334	633332	636332	27.0
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	26.43	26.45	26.51	

<FR1 n77/n78_Ant 8_DSI 0>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	21.77	22.00	21.98	22.0
40	PI/2 BPSK	1	53	21.76	21.78	21.78	
40	PI/2 BPSK	1	104	21.95	22.00	21.93	
40	PI/2 BPSK	50	0	21.61	21.70	21.60	22.0
40	PI/2 BPSK	50	28	21.71	21.80	21.76	22.0
40	PI/2 BPSK	50	56	21.80	21.89	21.80	22.0
40	PI/2 BPSK	100	0	21.78	21.81	21.80	
40	QPSK	1	1	21.87	21.97	21.92	22.0
40	QPSK	1	53	21.82	21.88	21.82	
40	QPSK	1	104	21.98	21.98	21.91	
40	QPSK	50	0	21.74	21.76	21.71	22.0
40	QPSK	50	28	21.77	21.77	21.67	
40	QPSK	50	56	21.72	21.75	21.72	
40	QPSK	100	0	21.72	21.79	21.74	22.0
40	16QAM	1	1	21.79	21.85	21.83	22.0
40	64QAM	1	1	21.79	21.85	21.75	22.0
40	256QAM	1	1	20.45	20.50	20.44	20.5
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	21.75	21.78	21.68	22.0
Channel				637500	641666	645832	Tune-up limit (dBm)
Frequency (MHz)				3562.5	3624.99	3687.48	
25	PI/2 BPSK	1	1	21.70	21.71	21.77	22.0
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	21.73	21.69	21.74	22.0
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	21.73	21.77	21.78	22.0
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	21.75	21.74	21.68	22.0

<FR1 n77/n78_Ant 9_DSI 0>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	21.59	21.69	21.58	22.0
40	PI/2 BPSK	1	53	21.37	21.47	21.44	
40	PI/2 BPSK	1	104	21.64	21.69	21.65	
40	PI/2 BPSK	50	0	21.45	21.55	21.47	22.0
40	PI/2 BPSK	50	28	21.41	21.50	21.44	22.0
40	PI/2 BPSK	50	56	21.49	21.49	21.46	22.0
40	PI/2 BPSK	100	0	21.48	21.54	21.45	
40	QPSK	1	1	21.55	21.52	21.67	22.0
40	QPSK	1	53	21.52	21.62	21.52	
40	QPSK	1	104	21.61	21.68	21.62	
40	QPSK	50	0	21.46	21.56	21.51	22.0
40	QPSK	50	28	21.47	21.51	21.45	
40	QPSK	50	56	21.53	21.55	21.51	
40	QPSK	100	0	21.51	21.57	21.56	22.0
40	16QAM	1	1	21.64	21.64	21.59	22.0
40	64QAM	1	1	21.46	21.55	21.51	22.0
40	256QAM	1	1	20.23	20.30	20.29	20.5
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	21.39	21.47	21.40	22.0
Channel				637500	641666	645832	Tune-up limit (dBm)
Frequency (MHz)				3562.5	3624.99	3687.48	
25	PI/2 BPSK	1	1	21.48	21.48	21.46	22.0
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	21.45	21.39	21.46	22.0
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	21.45	21.44	21.41	22.0
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	21.42	21.40	21.41	22.0

<FR1 n77/n78_Ant 4_DSI 0>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	21.35	21.45	21.34	22.0
40	PI/2 BPSK	1	53	21.11	21.21	21.19	
40	PI/2 BPSK	1	104	21.44	21.43	21.39	
40	PI/2 BPSK	50	0	21.16	21.33	21.22	22.0
40	PI/2 BPSK	50	28	21.17	21.20	21.18	22.0
40	PI/2 BPSK	50	56	21.28	21.28	21.26	22.0
40	PI/2 BPSK	100	0	21.25	21.34	21.18	
40	QPSK	1	1	21.25	21.31	21.41	22.0
40	QPSK	1	53	21.28	21.37	21.26	
40	QPSK	1	104	21.37	21.44	21.35	
40	QPSK	50	0	21.18	21.34	21.22	22.0
40	QPSK	50	28	21.23	21.27	21.22	
40	QPSK	50	56	21.27	21.35	21.25	
40	QPSK	100	0	21.30	21.29	21.26	22.0
40	16QAM	1	1	21.43	21.24	21.34	22.0
40	64QAM	1	1	21.21	21.27	21.30	22.0
40	256QAM	1	1	19.98	20.03	20.07	20.5
Channel				639668	641666	643666	Tune-up limit (dBm)
Frequency (MHz)				3595.02	3624.99	3654.99	
90	PI/2 BPSK	1	1	21.24	21.32	21.20	22.0
Channel				639334	641666	644000	Tune-up limit (dBm)
Frequency (MHz)				3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	21.25	21.25	21.17	22.0
Channel				639000	641666	644332	Tune-up limit (dBm)
Frequency (MHz)				3585	3624.99	3664.98	
70	PI/2 BPSK	1	1	21.21	21.29	21.24	22.0
Channel				638668	641666	644666	Tune-up limit (dBm)
Frequency (MHz)				3580.02	3624.99	3669.99	
60	PI/2 BPSK	1	1	21.18	21.34	21.18	22.0
Channel				638334	641666	645000	Tune-up limit (dBm)
Frequency (MHz)				3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	21.27	21.32	21.23	22.0
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	21.20	21.30	21.25	22.0
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	21.24	21.32	21.17	22.0
Channel				637500	641666	645832	Tune-up limit (dBm)
Frequency (MHz)				3562.5	3624.99	3687.48	
25	PI/2 BPSK	1	1	21.22	21.32	21.23	22.0
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	21.25	21.25	21.18	22.0
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	21.26	21.34	21.15	22.0
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	21.20	21.30	21.24	22.0



<FR1 n77/n78_Ant 3_DSI 0>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	21.31	21.41	21.30	22.0
40	PI/2 BPSK	1	53	21.01	21.21	21.14	
40	PI/2 BPSK	1	104	21.38	21.40	21.30	
40	PI/2 BPSK	50	0	21.16	21.27	21.18	22.0
40	PI/2 BPSK	50	28	21.13	21.11	21.08	22.0
40	PI/2 BPSK	50	56	21.22	21.24	21.17	22.0
40	PI/2 BPSK	100	0	21.19	21.34	21.09	
40	QPSK	1	1	21.19	21.28	21.32	22.0
40	QPSK	1	53	21.26	21.36	21.17	
40	QPSK	1	104	21.28	21.41	21.30	
40	QPSK	50	0	21.14	21.31	21.20	22.0
40	QPSK	50	28	21.23	21.20	21.15	
40	QPSK	50	56	21.21	21.26	21.23	
40	QPSK	100	0	21.28	21.20	21.26	22.0
40	16QAM	1	1	21.36	21.22	21.27	22.0
40	64QAM	1	1	21.19	21.20	21.29	22.0
40	256QAM	1	1	19.96	19.95	20.04	20.5
Channel				639668	641666	643666	Tune-up limit (dBm)
Frequency (MHz)				3595.02	3624.99	3654.99	
90	PI/2 BPSK	1	1	21.06	21.13	21.10	22.0
Channel				639334	641666	644000	Tune-up limit (dBm)
Frequency (MHz)				3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	21.08	21.11	21.09	22.0
Channel				639000	641666	644332	Tune-up limit (dBm)
Frequency (MHz)				3585	3624.99	3664.98	
70	PI/2 BPSK	1	1	21.04	21.11	21.09	22.0
Channel				638668	641666	644666	Tune-up limit (dBm)
Frequency (MHz)				3580.02	3624.99	3669.99	
60	PI/2 BPSK	1	1	21.07	21.21	21.16	22.0
Channel				638334	641666	645000	Tune-up limit (dBm)
Frequency (MHz)				3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	21.11	21.12	21.10	22.0
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	21.07	21.11	21.11	22.0
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	21.04	21.12	21.09	22.0
Channel				637500	641666	645832	Tune-up limit (dBm)
Frequency (MHz)				3562.5	3624.99	3687.48	
25	PI/2 BPSK	1	1	21.06	21.17	21.16	22.0
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	21.02	21.14	21.11	22.0
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	21.08	21.17	21.18	22.0
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	21.04	21.16	21.14	22.0

<FR1 n77/n78_Ant 8_DSI 3>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	19.28	19.33	19.21	19.8
40	PI/2 BPSK	1	53	19.29	19.27	19.24	
40	PI/2 BPSK	1	104	19.30	19.29	19.20	
40	PI/2 BPSK	50	0	19.22	19.26	19.20	19.8
40	PI/2 BPSK	50	28	19.21	19.30	19.30	19.8
40	PI/2 BPSK	50	56	19.21	19.23	19.24	19.8
40	PI/2 BPSK	100	0	19.25	19.28	19.26	
40	QPSK	1	1	19.22	19.25	19.25	19.8
40	QPSK	1	53	19.28	19.26	19.23	
40	QPSK	1	104	19.20	19.30	19.29	
40	QPSK	50	0	19.26	19.20	19.27	19.8
40	QPSK	50	28	19.26	19.21	19.29	
40	QPSK	50	56	19.30	19.23	19.23	
40	QPSK	100	0	19.27	19.23	19.24	19.8
40	16QAM	1	1	19.22	19.25	19.24	19.8
40	64QAM	1	1	19.27	19.28	19.29	19.8
40	256QAM	1	1	19.26	19.21	19.29	19.8
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	19.20	19.21	19.28	19.8
Channel				637500	641666	645832	Tune-up limit (dBm)
Frequency (MHz)				3562.5	3624.99	3687.48	
25	PI/2 BPSK	1	1	19.24	19.27	19.24	19.8
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	19.28	19.28	19.22	19.8
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	19.27	19.21	19.25	19.8
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	19.20	19.24	19.23	19.8

<FR1 n77/n78_Ant 9_DSI 3>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	19.03	19.52	18.91	20.0
40	PI/2 BPSK	1	53	19.04	19.04	18.95	
40	PI/2 BPSK	1	104	19.09	19.06	18.98	
40	PI/2 BPSK	50	0	18.94	19.00	18.92	20.0
40	PI/2 BPSK	50	28	18.96	19.06	19.05	20.0
40	PI/2 BPSK	50	56	18.92	19.03	19.00	20.0
40	PI/2 BPSK	100	0	19.00	19.01	19.01	
40	QPSK	1	1	18.97	18.98	19.02	20.0
40	QPSK	1	53	19.03	19.01	18.93	
40	QPSK	1	104	18.95	19.04	18.99	
40	QPSK	50	0	18.97	18.94	19.02	20.0
40	QPSK	50	28	19.02	19.01	19.07	
40	QPSK	50	56	19.02	19.02	18.97	
40	QPSK	100	0	19.06	18.99	19.03	20.0
40	16QAM	1	1	18.92	19.00	19.04	20.0
40	64QAM	1	1	19.04	19.06	19.02	20.0
40	256QAM	1	1	19.02	18.91	18.99	20.0
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	18.99	19.04	19.06	20.0
Channel				637500	641666	645832	Tune-up limit (dBm)
Frequency (MHz)				3562.5	3624.99	3687.48	
25	PI/2 BPSK	1	1	18.93	19.03	19.00	20.0
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	18.96	19.04	19.07	20.0
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	19.00	19.02	19.06	20.0
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	18.99	18.99	19.02	20.0

<FR1 n77/n78_Ant 4_DSI 3>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	19.31	19.45	19.25	20.0
40	PI/2 BPSK	1	53	19.10	19.15	19.17	
40	PI/2 BPSK	1	104	19.43	19.41	19.34	
40	PI/2 BPSK	50	0	19.09	19.33	19.21	20.0
40	PI/2 BPSK	50	28	19.07	19.19	19.16	20.0
40	PI/2 BPSK	50	56	19.28	19.27	19.21	20.0
40	PI/2 BPSK	100	0	19.18	19.25	19.10	
40	QPSK	1	1	19.16	19.24	19.36	20.0
40	QPSK	1	53	19.26	19.35	19.19	
40	QPSK	1	104	19.29	19.44	19.35	
40	QPSK	50	0	19.17	19.34	19.17	20.0
40	QPSK	50	28	19.22	19.17	19.15	
40	QPSK	50	56	19.26	19.32	19.22	
40	QPSK	100	0	19.28	19.22	19.22	20.0
40	16QAM	1	1	19.38	19.17	19.25	20.0
40	64QAM	1	1	19.21	19.22	19.21	20.0
40	256QAM	1	1	19.19	19.25	19.31	20.0
Channel				639668	641666	643666	Tune-up limit (dBm)
Frequency (MHz)				3595.02	3624.99	3654.99	
90	PI/2 BPSK	1	1	19.24	19.28	19.31	20.0
Channel				639334	641666	644000	Tune-up limit (dBm)
Frequency (MHz)				3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	19.20	19.33	19.27	20.0
Channel				639000	641666	644332	Tune-up limit (dBm)
Frequency (MHz)				3585	3624.99	3664.98	
70	PI/2 BPSK	1	1	19.27	19.24	19.34	20.0
Channel				638668	641666	644666	Tune-up limit (dBm)
Frequency (MHz)				3580.02	3624.99	3669.99	
60	PI/2 BPSK	1	1	19.28	19.25	19.31	20.0
Channel				638334	641666	645000	Tune-up limit (dBm)
Frequency (MHz)				3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	19.22	19.32	19.37	20.0
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	19.23	19.33	19.28	20.0
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	19.28	19.30	19.37	20.0
Channel				637500	641666	645832	Tune-up limit (dBm)
Frequency (MHz)				3562.5	3624.99	3687.48	
25	PI/2 BPSK	1	1	19.24	19.26	19.28	20.0
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	19.25	19.23	19.36	20.0
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	19.28	19.30	19.36	20.0
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	19.28	19.23	19.32	20.0





<FR1 n77/n78_Ant 3_DSI 3>							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	21.31	21.41	21.30	22.0
40	PI/2 BPSK	1	53	21.01	21.21	21.14	
40	PI/2 BPSK	1	104	21.38	21.40	21.30	
40	PI/2 BPSK	50	0	21.16	21.27	21.18	22.0
40	PI/2 BPSK	50	28	21.13	21.11	21.08	22.0
40	PI/2 BPSK	50	56	21.22	21.24	21.17	22.0
40	PI/2 BPSK	100	0	21.19	21.34	21.09	
40	QPSK	1	1	21.19	21.28	21.32	22.0
40	QPSK	1	53	21.26	21.36	21.17	
40	QPSK	1	104	21.28	21.41	21.30	
40	QPSK	50	0	21.14	21.31	21.20	22.0
40	QPSK	50	28	21.23	21.20	21.15	
40	QPSK	50	56	21.21	21.26	21.23	
40	QPSK	100	0	21.28	21.20	21.26	22.0
40	16QAM	1	1	21.36	21.22	21.27	22.0
40	64QAM	1	1	21.19	21.20	21.29	22.0
40	256QAM	1	1	19.96	19.95	20.04	20.5
Channel				639668	641666	643666	Tune-up limit (dBm)
Frequency (MHz)				3595.02	3624.99	3654.99	
90	PI/2 BPSK	1	1	21.06	21.13	21.10	22.0
Channel				639334	641666	644000	Tune-up limit (dBm)
Frequency (MHz)				3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	21.08	21.11	21.09	22.0
Channel				639000	641666	644332	Tune-up limit (dBm)
Frequency (MHz)				3585	3624.99	3664.98	
70	PI/2 BPSK	1	1	21.04	21.11	21.09	22.0
Channel				638668	641666	644666	Tune-up limit (dBm)
Frequency (MHz)				3580.02	3624.99	3669.99	
60	PI/2 BPSK	1	1	21.07	21.21	21.16	22.0
Channel				638334	641666	645000	Tune-up limit (dBm)
Frequency (MHz)				3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	21.11	21.12	21.10	22.0
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	21.07	21.11	21.11	22.0
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	21.04	21.12	21.09	22.0
Channel				637500	641666	645832	Tune-up limit (dBm)
Frequency (MHz)				3562.5	3624.99	3687.48	
25	PI/2 BPSK	1	1	21.06	21.17	21.16	22.0
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	21.02	21.14	21.11	22.0
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	21.08	21.17	21.18	22.0
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	21.04	21.16	21.14	22.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	21.77	22.00	21.98	22.0
40	PI/2 BPSK	1	53	21.76	21.78	21.78	
40	PI/2 BPSK	1	104	21.95	22.00	21.93	
40	PI/2 BPSK	50	0	21.61	21.70	21.60	22.0
40	PI/2 BPSK	50	28	21.71	21.80	21.76	22.0
40	PI/2 BPSK	50	56	21.80	21.89	21.80	22.0
40	PI/2 BPSK	100	0	21.78	21.81	21.80	
40	QPSK	1	1	21.87	21.97	21.92	22.0
40	QPSK	1	53	21.82	21.88	21.82	
40	QPSK	1	104	21.98	21.98	21.91	
40	QPSK	50	0	21.74	21.76	21.71	22.0
40	QPSK	50	28	21.77	21.77	21.67	
40	QPSK	50	56	21.72	21.75	21.72	
40	QPSK	100	0	21.72	21.79	21.74	22.0
40	16QAM	1	1	21.79	21.85	21.83	22.0
40	64QAM	1	1	21.79	21.85	21.75	22.0
40	256QAM	1	1	20.45	20.50	20.44	20.5
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	21.75	21.78	21.68	22.0
Channel				637500	641666	645832	Tune-up limit (dBm)
Frequency (MHz)				3562.5	3624.99	3687.48	
25	PI/2 BPSK	1	1	21.70	21.71	21.77	22.0
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	21.73	21.69	21.74	22.0
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	21.73	21.77	21.78	22.0
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	21.75	21.74	21.68	22.0