



In Collaboration with

s p e a g**CALIBRATION LABORATORY**

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E-mail: cttl@chinattl.com

[Http://www.chinattl.cn](http://www.chinattl.cn)**DASY/EASY – Parameters of Probe: EX3DV4 – SN:3826****Basic Calibration Parameters**

	Sensor X	Sensor Y	Sensor Z	Unc ($k=2$)
Norm($\mu V/(V/m)^2$) ^A	0.48	0.41	0.36	$\pm 10.0\%$
DCP(mV) ^B	100.2	99.8	103.2	

Modulation Calibration Parameters

UID	Communication System Name		A dB	B dB/ μV	C	D dB	VR mV	Unc ^E ($k=2$)
0	CW	X	0.0	0.0	1.0	0.00	160.2	$\pm 2.7\%$
		Y	0.0	0.0	1.0		141.6	
		Z	0.0	0.0	1.0		130.8	

The reported uncertainty of measurement is stated as the standard uncertainty of Measurement multiplied by the coverage factor $k=2$, which for a normal distribution Corresponds to a coverage probability of approximately 95%.

^A The uncertainties of Norm X, Y, Z do not affect the E²-field uncertainty inside TSL (see Page 4).

^B Numerical linearization parameter; uncertainty not required.

^E Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.



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DASY/EASY – Parameters of Probe: EX3DV4 – SN:3826

Calibration Parameter Determined in Head Tissue Simulating Media

f [MHz] ^C	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unct. (k=2)
750	41.9	0.89	9.37	9.37	9.37	0.40	0.80	±12.1%
835	41.5	0.90	9.12	9.12	9.12	0.17	1.26	±12.1%
900	41.5	0.97	9.10	9.10	9.10	0.18	1.30	±12.1%
1750	40.1	1.37	7.98	7.98	7.98	0.19	1.14	±12.1%
1900	40.0	1.40	7.67	7.67	7.67	0.22	1.14	±12.1%
2000	40.0	1.40	7.77	7.77	7.77	0.24	1.10	±12.1%
2300	39.5	1.67	7.35	7.35	7.35	0.51	0.73	±12.1%
2450	39.2	1.80	7.12	7.12	7.12	0.53	0.72	±12.1%
2600	39.0	1.96	6.94	6.94	6.94	0.45	0.85	±12.1%
3500	37.9	2.91	6.62	6.62	6.62	0.39	0.98	±13.3%
5250	35.9	4.71	5.09	5.09	5.09	0.45	1.30	±13.3%
5600	35.5	5.07	4.66	4.66	4.66	0.45	1.40	±13.3%
5750	35.4	5.22	4.68	4.68	4.68	0.45	1.40	±13.3%

^C Frequency validity above 300 MHz of ±100MHz only applies for DASY v4.4 and higher (Page 2), else it is restricted to ±50MHz. The uncertainty is the RSS of ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ± 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Above 5 GHz frequency validity can be extended to ± 110 MHz.

^F At frequency below 3 GHz, the validity of tissue parameters (ϵ and σ) can be relaxed to ±10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters (ϵ and σ) is restricted to ±5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

^G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ± 1% for frequencies below 3 GHz and below ± 2% for the frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.

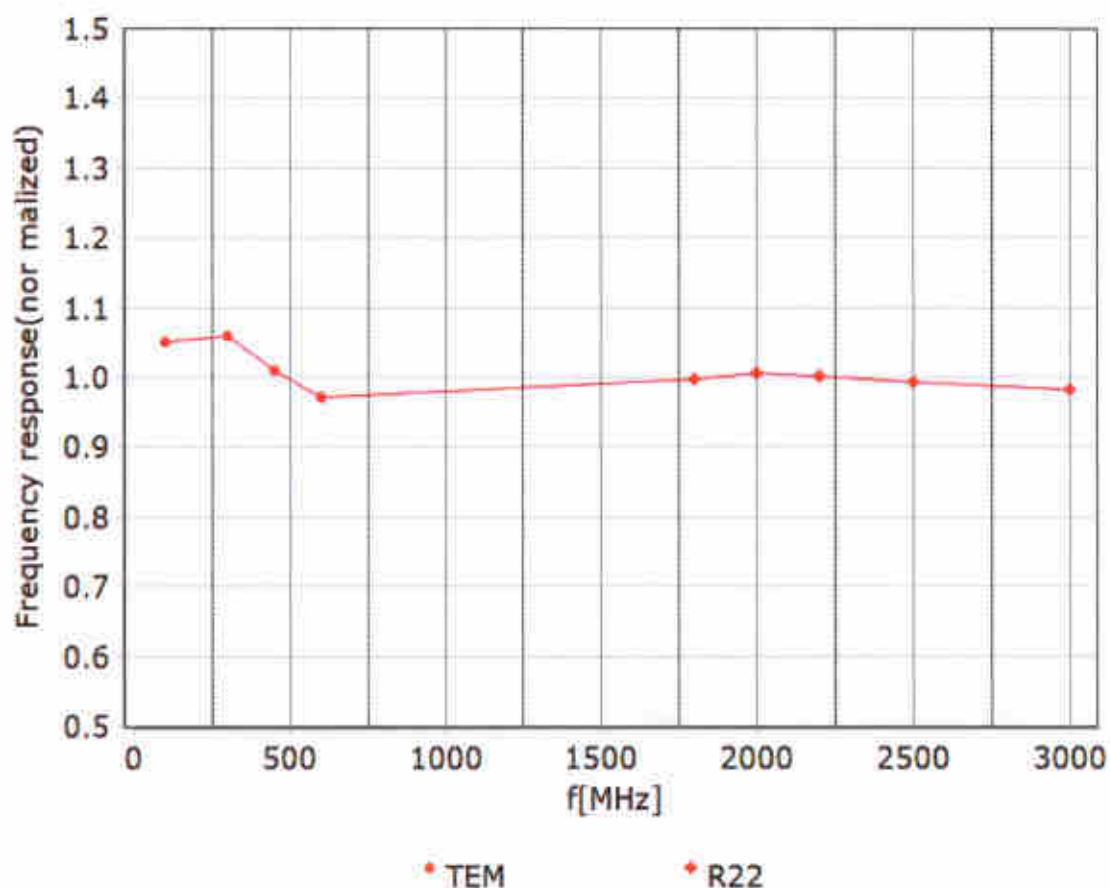


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Frequency Response of E-Field (TEM-Cell: ifi110 EXX, Waveguide: R22)



Uncertainty of Frequency Response of E-field: $\pm 7.4\%$ ($k=2$)

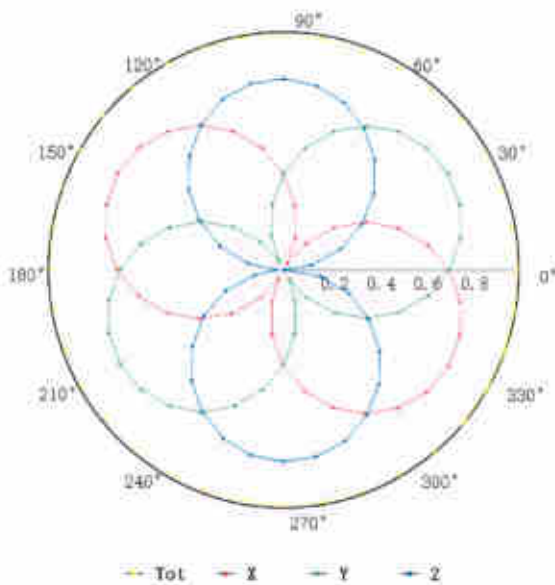


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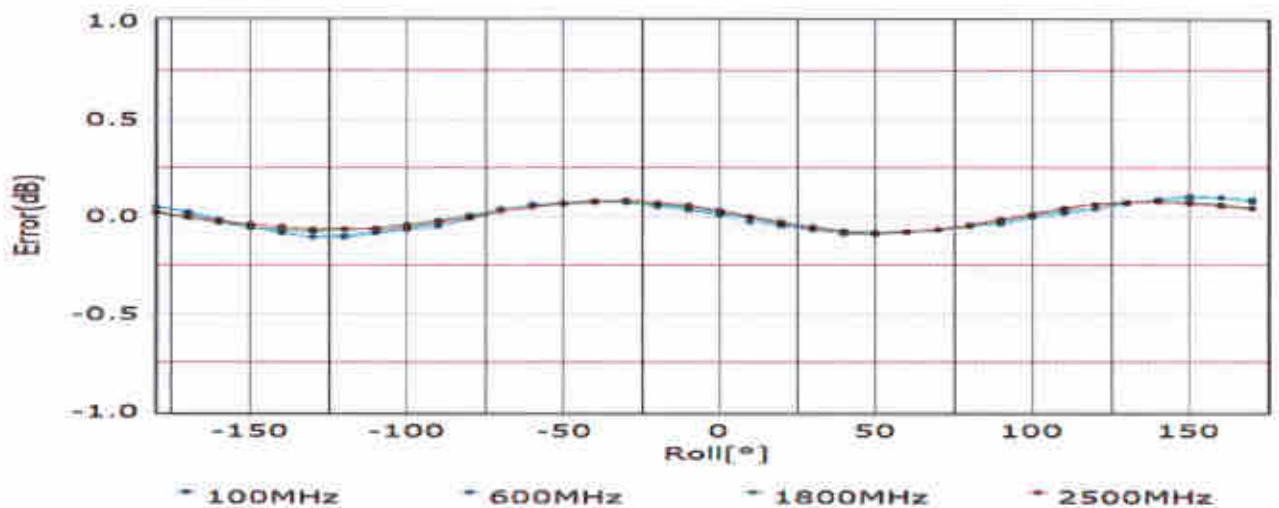
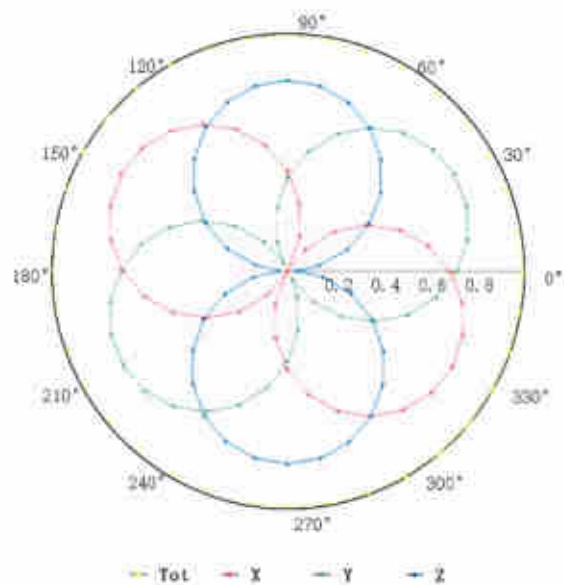
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Receiving Pattern (Φ), $\theta=0^\circ$

f=600 MHz, TEM



f=1800 MHz, R22



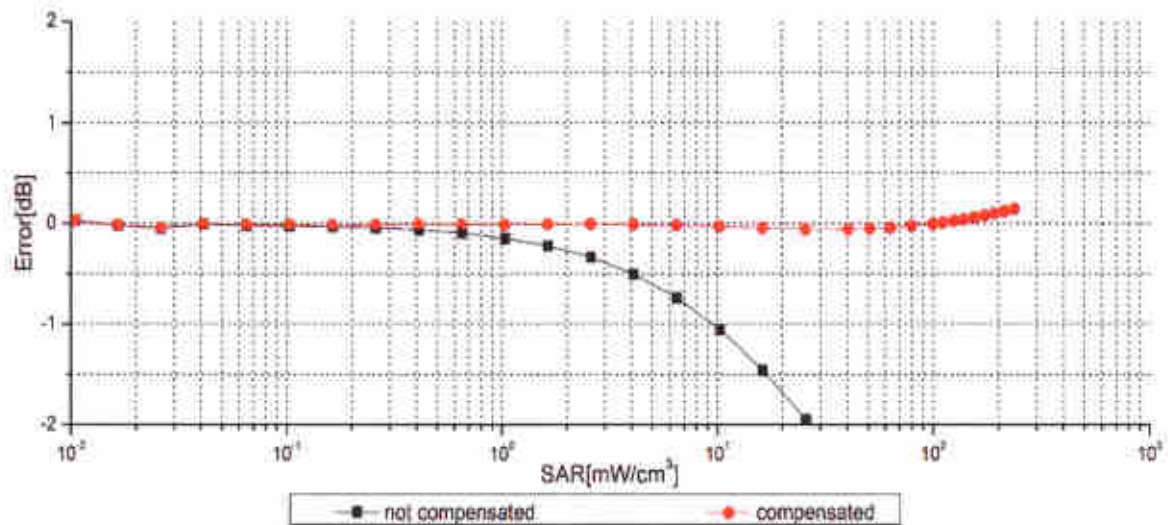
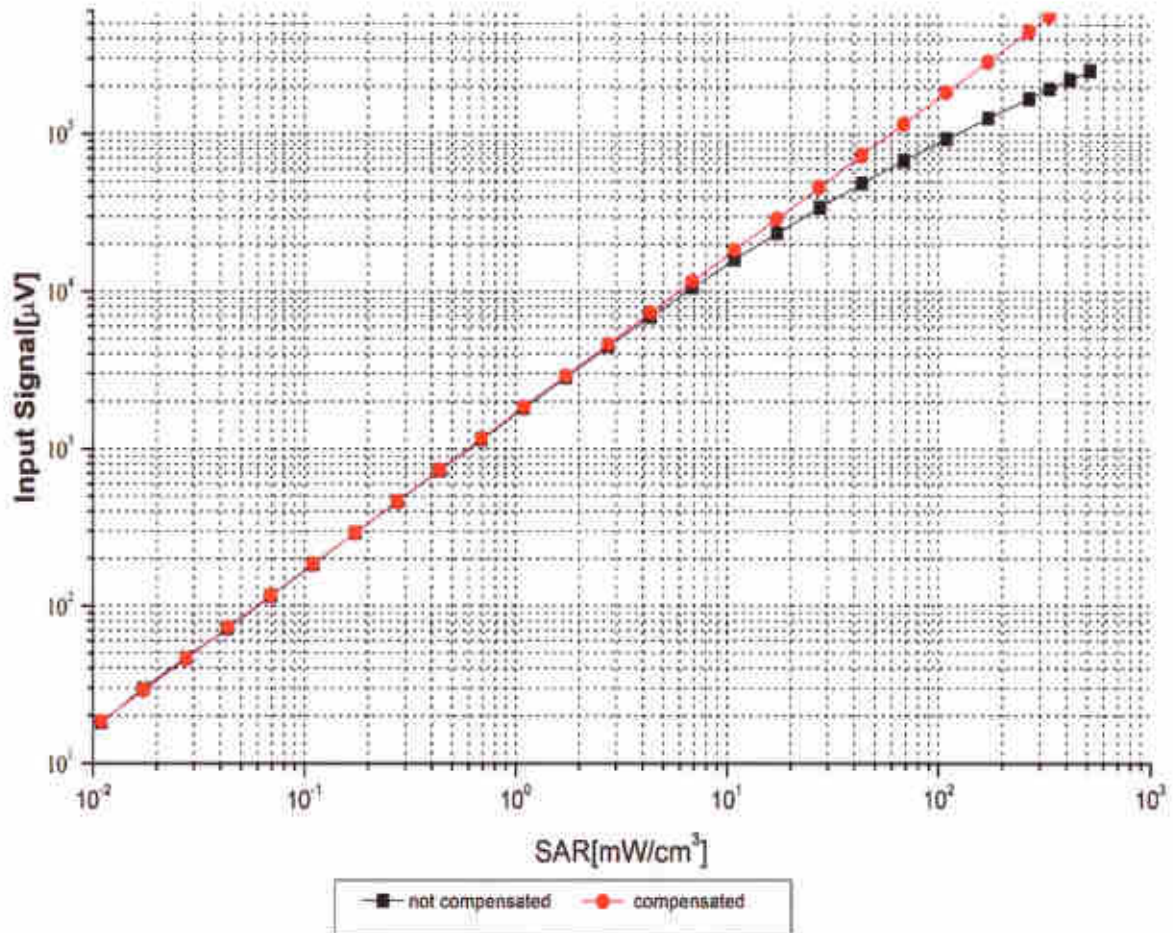
Uncertainty of Axial Isotropy Assessment: $\pm 1.2\%$ ($k=2$)



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Dynamic Range $f(\text{SAR}_{\text{head}})$ (TEM cell, $f = 900 \text{ MHz}$)



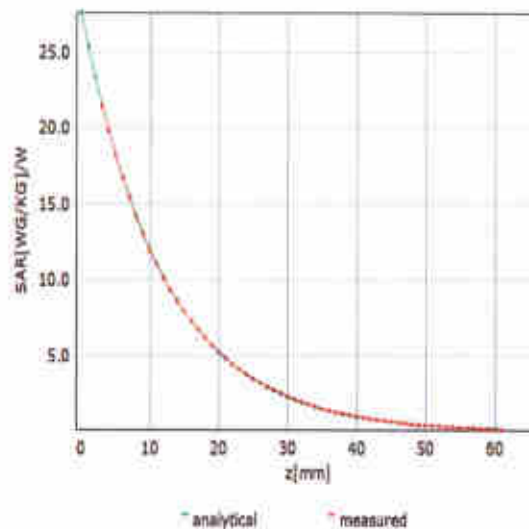
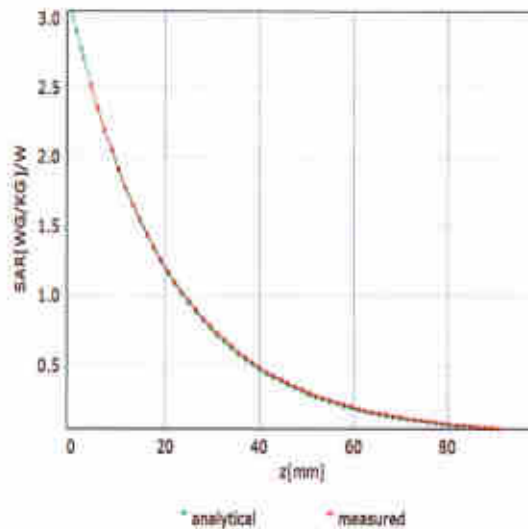
Uncertainty of Linearity Assessment: $\pm 0.9\%$ ($k=2$)



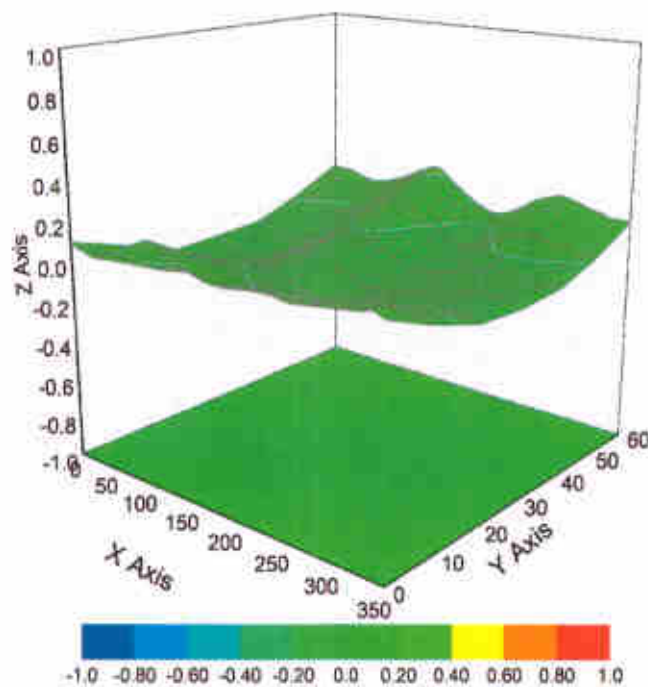
Conversion Factor Assessment

f=750 MHz,WGLS R9(H_convF)

f=1750 MHz,WGLS R22(H_convF)



Deviation from Isotropy in Liquid



Uncertainty of Spherical Isotropy Assessment: $\pm 3.2\%$ ($k=2$)



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DASY/EASY – Parameters of Probe: EX3DV4 – SN:3826

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	51.5
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disable
Probe Overall Length	337mm
Probe Body Diameter	10mm
Tip Length	10mm
Tip Diameter	2.5mm
Probe Tip to Sensor X Calibration Point	1mm
Probe Tip to Sensor Y Calibration Point	1mm
Probe Tip to Sensor Z Calibration Point	1mm
Recommended Measurement Distance from Surface	1.4mm



Appendix E. Conducted RF Output Power Table

The detailed power table are shown as follows.

Full Power Mode for LAT

(DS12,DS14,DS16)									
GSM850									
TX Channel		Burst Average Power (dBm)			Turn-up		Frame Average Power (dBm)		
Frequency (MHz)		126	189	251	Limit	126	189	251	Limit
		824.2	836.4	848.6	(dBm)	824.2	836.4	848.6	(dBm)
GSM 1 Tx slot		32.11	32.04	31.98	33.50	23.11	23.04	22.98	24.50
GPRS 1 Tx slot		32.02	31.95	31.87	33.50	23.02	22.95	22.87	24.50
GPRS 2 Tx slots		30.74	30.78	30.85	32.50	24.74	24.78	24.65	26.50
GPRS 3 Tx slots		29.55	29.10	29.65	31.00	25.27	25.44	25.39	26.74
GPRS 4 Tx slots		28.01	27.98	27.92	29.50	25.01	24.98	24.92	26.50
EDGE 1 Tx slot		25.05	25.21	25.16	26.50	16.05	16.21	16.16	17.50
EDGE 2 Tx slots		23.68	23.79	23.82	25.00	17.68	17.77	17.82	19.00
EDGE 3 Tx slots		21.64	21.71	21.59	23.00	17.38	17.45	17.33	18.74
EDGE 4 Tx slots		19.58	19.67	19.52	21.00	16.58	16.67	16.52	18.00

(DS12,DS14)											
GSM1900											
TX Channel		Burst Average Power (dBm)			Tune-up Limit		Frame Average Power (dBm)			Tune-up Limit	
		512	661	810	Limit	512	661	810	Limit		
Frequency (MHz)		1520.2	1661	1800.3	(dBm)	1520.2	1661	1800.3	(dBm)		
GSM 1 Tx slot		29.67	29.47	29.32	30.50	20.67	20.47	20.32	21.50		
GPRS 1 Tx slot		29.59	29.26	29.23	30.50	20.59	20.26	20.23	21.50		
GPRS 2 Tx slots		28.22	28.02	27.81	29.50	22.22	22.02	21.81	23.50		
GPRS 3 Tx slots		27.03	26.59	26.57	28.00	22.77	22.67	22.21	23.74		
GPRS 4 Tx slots		25.27	25.41	25.03	26.50	22.27	22.41	22.03	23.50		
EDGE 1 Tx slot		25.47	25.08	25.21	26.50	16.47	16.08	16.21	17.50		
EDGE 2 Tx slots		24.45	24.17	24.14	25.50	18.45	18.17	18.14	19.50		
EDGE 3 Tx slots		22.31	22.34	22.08	24.00	18.05	18.08	17.82	19.74		
EDGE 4 Tx slots		21.23	21.32	21.12	22.50	16.23	16.32	16.12	18.50		

Band		(DS12,DS14)			(DS12,DS14)			(DS12,DS14,DS16)				
TX Channel		WCDMA I			WCDMA IV			WCDMA V			Tune-up Limit	
Rx Channel		9262	9400	9538	1312	1413	1513	4132	4162	4233	Tune-up Limit	
Frequency (MHz)		9662	9800	9938	1537	1638	1738	4367	4407	4458	(dBm)	
		1832.4	1860	1907.6	1742.4	1732.6	1752.6	1826.4	186.4	186.6		
3GPP Rel 99 RMC 12.2kops		23.13	23.04	22.77	24.00	22.95	23.07	22.81	24.00	22.79	22.83	22.71
3GPP Rel 99 RMC 12.2kops		23.16	23.08	22.81	24.00	23.02	23.11	22.95	24.00	22.82	22.87	22.74
3GPP Rel 6 HS-DPA Subtest-1		22.12	22.08	21.82	23.00	21.96	22.10	21.96	23.00	21.84	21.89	21.79
3GPP Rel 6 HS-DPA Subtest-2		22.13	22.11	21.86	23.00	21.98	22.12	21.82	23.00	21.85	21.87	21.81
3GPP Rel 6 HS-DPA Subtest-3		21.64	21.61	21.16	22.50	21.51	21.68	21.48	22.50	21.32	21.43	21.32
3GPP Rel 6 HS-DPA Subtest-4		21.65	21.60	21.30	22.50	21.48	21.60	21.45	22.50	21.37	21.40	21.33
3GPP Rel 6 DC-HSDPA Subtest-1		22.07	21.93	21.69	23.00	21.91	22.07	21.87	23.00	21.80	21.78	21.64
3GPP Rel 6 DC-HSDPA Subtest-2		22.04	22.02	21.71	23.00	21.80	22.00	21.81	23.00	21.72	21.85	21.60
3GPP Rel 6 DC-HSDPA Subtest-3		21.46	21.57	21.08	22.50	21.44	21.45	21.31	22.50	21.24	21.37	21.15
3GPP Rel 6 DC-HSDPA Subtest-4		21.52	21.57	21.23	22.50	21.44	21.56	21.42	22.50	21.29	21.33	21.25
3GPP Rel 6 HSUPA Subtest-1		22.16	22.12	21.83	23.00	21.99	22.22	22.02	23.00	21.84	21.86	21.76
3GPP Rel 6 HSUPA Subtest-2		20.17	20.16	19.84	21.00	20.00	20.13	19.97	21.00	19.81	19.89	19.79
3GPP Rel 6 HSUPA Subtest-3		21.06	21.08	20.82	22.00	20.96	21.16	20.97	22.00	20.85	20.87	20.78
3GPP Rel 6 HSUPA Subtest-4		20.14	20.11	19.82	21.00	19.98	20.16	19.94	21.00	19.83	19.84	19.79
3GPP Rel 6 HSUPA Subtest-5		22.20	22.10	21.80	23.00	22.00	22.20	21.93	23.00	21.80	21.90	21.80

Band		(DS12,DS14,DS16)			(DS12,DS14)			(DS12,DS14,DS16)				
TX Channel		CDMA BC1			CDMA BC1			CDMA BC10			Tune-up Limit	
Frequency (MHz)		1013	384	777	Limit	25	600	1175	Limit	476	580	684
		824.7	835.2	846.1	(dBm)	1851.25	1861	1868.75	(dBm)	811.2	801.5	823.1
RC1 S055		23.73	23.74	23.58	25.00	23.91	23.84	23.77	25.00	23.81	23.83	23.75
RC3 S055		23.75	23.78	23.81	25.00	23.94	23.86	23.80	25.00	23.83	23.86	23.81
RC3 S032 (F-SCH)		23.74	23.76	23.58	25.00	23.92	23.85	23.78	25.00	23.79	23.82	23.76
RC3 S032 (F-SCH)		23.65	23.69	23.34	25.00	23.81	23.77	23.69	25.00	23.73	23.80	23.72
RTAP 153.6kops		23.60	23.62	23.51	25.00	23.78	23.74	23.66	25.00	23.63	23.74	23.61
RETAP 16968Hz		23.56	23.59	23.48	25.00	23.76	23.71	23.62	25.00	23.60	23.71	23.58

Band 71 (DS12,DS13,DS14,DS16)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				133222	133322	133372			
Frequency (MHz)				673	683	688			
20	QPSK	1	0	22.82	22.86	22.79	24		
20	QPSK	1	49	22.76	22.78	22.74			
20	QPSK	1	99	22.71	22.73	22.64			
20	QPSK	50	0	21.89	21.86	21.83	23		
20	QPSK	50	24	21.87	21.91	21.85			
20	QPSK	50	50	21.87	21.88	21.78			
20	QPSK	100	0	21.83	21.85	21.79	23		
20	16QAM	1	0	22.06	22.06	22.02			
20	16QAM	1	49	21.94	22.05	21.91			
20	16QAM	1	99	21.91	21.94	21.86	22		
20	16QAM	50	0	20.89	20.91	20.83			
20	16QAM	50	24	20.83	20.76	20.79			
20	16QAM	50	50	20.84	20.85	20.81	22		
20	16QAM	100	0	20.86	20.87	20.81			
20	64QAM	1	0	21.02	21.16	21.10			
20	64QAM	1	49	20.98	21.04	20.94	22		
20	64QAM	1	99	21.01	20.96	20.89			
20	64QAM	50	0	19.90	19.92	19.91			
20	64QAM	50	24	19.91	19.89	19.92	21		
20	64QAM	50	50	19.89	19.90	19.84			
20	64QAM	100	0	19.88	19.86	19.93			
Channel				133197	133297	133397			
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	0	22.76	22.72	22.76	24		
15	QPSK	1	37	22.63	22.56	22.67			
15	QPSK	1	74	22.67	22.69	22.43			
15	QPSK	36	0	21.74	21.91	21.62	23		
15	QPSK	36	20	21.81	21.75	21.79			
15	QPSK	36	39	21.69	21.79	21.62			
15	QPSK	75	0	21.65	21.81	21.63	23		
15	16QAM	1	0	22.03	21.93	21.94			
15	16QAM	1	37	21.90	21.87	21.78			
15	16QAM	1	74	21.77	21.81	21.69	22		
15	16QAM	36	0	20.76	20.87	20.68			
15	16QAM	36	20	20.63	20.54	20.67			
15	16QAM	36	39	20.79	20.83	20.77	22		
15	16QAM	75	0	20.68	20.85	20.64			
15	64QAM	1	0	20.94	21.00	21.06			
15	64QAM	1	37	20.82	20.96	20.82	22		
15	64QAM	1	74	20.83	20.89	20.90			
15	64QAM	36	0	19.87	19.84	19.77			
15	64QAM	36	20	19.78	19.77	19.74	21		
15	64QAM	36	39	19.69	19.87	19.80			
15	64QAM	75	0	19.78	19.74	19.80			
Channel				133172	133272	133422			
Frequency (MHz)				668	678	693			
10	QPSK	1	0	22.79	22.83	22.68	24		
10	QPSK	1	25	22.60	22.60	22.60			
10	QPSK	1	49	22.49	22.60	22.42			
10	QPSK	25	0	21.70	21.74	21.69	23		
10	QPSK	25	12	21.72	21.74	21.82			
10	QPSK	25	25	21.84	21.67	21.64			
10	QPSK	50	0	21.76	21.82	21.73	23		
10	16QAM	1	0	21.90	22.06	21.91			
10	16QAM	1	25	21.86	21.88	21.70			
10	16QAM	1	49	21.75	21.85	21.69	22		
10	16QAM	25	0	20.85	20.70	20.75			
10	16QAM	25	12	20.76	20.54	20.60			
10	16QAM	25	25	20.70	20.70	20.74	22		
10	16QAM	50	0	20.74	20.76	20.59			
10	64QAM	1	0	20.94	21.11	20.97			
10	64QAM	1	25	20.81	20.91	20.90	22		
10	64QAM	1	49	20.95	20.79	20.84			
10	64QAM	25	0	19.88	19.84	19.85			
10	64QAM	25	12	19.71	19.86	19.90	21		
10	64QAM	25	25	19.82	19.90	19.62			
10	64QAM	50	0	19.77	19.70	19.86			
Channel				133147	133247	133447			
Frequency (MHz)				665.5	675.5	685.5			
5	QPSK	1	0	22.62	22.81	22.62	24		
5	QPSK	1	12	22.67	22.68	22.63			
5	QPSK	1	24	22.59	22.62	22.42			
5	QPSK	12	0	21.83	21.77	21.63	23		
5	QPSK	12	7	21.69	21.69	21.68			
5	QPSK	12	13	21.67	21.89	21.69			
5	QPSK	25	0	21.78	21.83	21.77	23		
5	16QAM	1	0	22.04	21.86	21.96			
5	16QAM	1	12	21.73	22.01	21.84			
5	16QAM	1	24	21.83	21.75	21.84	22		
5	16QAM	12	0	20.74	20.77	20.71			
5	16QAM	12	7	20.77	20.71	20.71			
5	16QAM	12	13	20.65	20.73	20.64	22		
5	16QAM	25	0	20.64	20.65	20.76			
5	64QAM	1	0	20.97	21.00	21.06			
5	64QAM	1	12	20.93	20.98	20.82	22		
5	64QAM	1	24	20.96	20.76	20.85			
5	64QAM	12	0	19.88	19.71	19.87			
5	64QAM	12	7	19.77	19.79	19.77	21		
5	64QAM	12	13	19.85	19.69	19.74			
5	64QAM	25	0	19.75	19.67	19.85			

DSI3 for body worn for LAT

GSM850		Burst Average Power (dBm)			Tune-up		Frame Average Power (dBm)			Tune-up	
TX Channel		Limit			Limit		Limit			Limit	
Frequency (MHz)		126	189	251	824.2		126	189	251	824.2	
Frequency (MHz)		824.2	836.4	848.6			824.2	836.4	848.6		
GSM 1 Tx slot		32.11	32.04	31.98	33.50		23.11	23.04	22.98	24.50	
GPRS 1 Tx slot		32.02	31.95	31.87	33.50		23.02	22.95	22.87	24.50	
GPRS 2 Tx slots		29.76	29.66	29.61	30.90		23.76	23.66	23.61	24.90	
GPRS 3 Tx slots		28.41	28.30	28.05	29.40		24.15	24.04	23.79	25.14	
GPRS 4 Tx slots		26.28	26.21	25.92	27.90		23.28	23.21	22.92	24.90	
EDGE 1 Tx slot		24.78	24.68	24.79	24.90		15.78	15.68	15.79	15.90	
EDGE 2 Tx slots		22.95	22.92	22.98	23.40		16.95	16.92	16.98	17.40	
EDGE 3 Tx slots		21.00	20.99	21.04	21.40		16.74	16.63	16.78	17.14	
EDGE 4 Tx slots		19.06	18.88	19.10	19.40		16.06	15.88	16.10	16.40	

GSM1900		Burst Average Power (dBm)			Tune-up		Frame Average Power (dBm)			Tune-up	
TX Channel		Limit			Limit		Limit			Limit	
Frequency (MHz)		512	661	810	1850.2		512	661	810	1850.2	
Frequency (MHz)		1850.2	1860	1909.8			1850.2	1860	1909.8		
GSM 1 Tx slot		27.77	27.75	27.74	28.70		16.77	16.75	16.74	16.70	
GPRS 1 Tx slot		24.81	24.95	24.82	25.70		16.81	16.95	16.82	16.70	
GPRS 2 Tx slots		23.40	23.35	23.22	24.20		19.14	19.09	18.96	19.94	
GPRS 3 Tx slots		21.81	21.62	21.50	22.70		16.81	16.62	16.50	16.70	
EDGE 1 Tx slot		25.93	25.64	25.53	26.50		16.93	16.64	16.53	17.50	
EDGE 2 Tx slots		24.12	23.98	24.06	25.50		16.12	17.98	16.06	19.50	
EDGE 3 Tx slots		23.03	22.56	22.61	24.00		16.77	16.30	16.35	19.74	
EDGE 4 Tx slots		21.24	21.32	20.55	22.50		16.24	16.32	17.55	19.90	

Band		WCDMA II			Tune-up		WCDMA IV			Tune-up		WCDMA V			Tune-up	
TX Channel		9562	9400	9400	9536	1312	1413	1513	1638	1718	4157	4182	4233	4455	4457	
Frequency (MHz)		1852.4	1860	1860	1907.6	1712.4	1732.6	1752.6	1788	1826.4	836.4	836.4	846.6	846.6	846.6	
3GPP Rel 99		AMR 12.2Kbps	16.50	16.42	16.17	17.40	17.58	17.71	17.58	18.70	21.38	21.47	21.48	21.48	22.50	
3GPP Rel 99		RMC 12.2Kbps	16.52	16.49	16.21	17.40	17.60	17.72	17.60	18.70	21.40	21.52	21.50	21.50	22.50	
3GPP Rel 6		HS-DPA Subtest-1	15.53	15.50	15.20	16.40	16.62	16.90	16.63	17.70	20.45	20.54	20.60	20.54	21.50	
3GPP Rel 6		HS-DPA Subtest-2	15.55	15.52	15.22	16.40	16.64	16.83	16.58	17.70	20.45	20.55	20.50	20.50	21.50	
3GPP Rel 6		HS-DPA Subtest-3	15.05	15.04	14.69	15.90	16.04	16.22	16.08	17.20	19.93	20.01	20.01	20.01	21.00	
3GPP Rel 6		HS-DPA Subtest-4	14.99	14.95	14.69	15.90	16.10	16.24	16.11	17.20	19.96	20.03	20.08	20.08	21.00	
3GPP Rel 6		DC-HSDPA Subtest-1	15.01	15.02	15.33	16.40	16.73	16.92	16.71	17.70	20.52	20.61	20.74	20.74	21.50	
3GPP Rel 6		DC-HSDPA Subtest-2	15.63	15.58	15.28	16.40	16.68	16.90	16.62	17.70	20.50	20.59	20.62	20.61	21.50	
3GPP Rel 6		DC-HSDPA Subtest-3	15.12	15.08	14.73	15.90	16.10	16.33	16.18	17.20	20.05	20.14	20.20	20.20	21.00	
3GPP Rel 6		DC-HSDPA Subtest-4	15.05	15.02	14.70	15.90	16.12	16.32	16.15	17.20	20.12	20.15	20.18	20.18	21.00	
3GPP Rel 6		HSUPA Subtest-1	15.56	15.52	15.27	16.40	16.66	16.76	16.60	17.70	20.48	20.51	20.58	20.51	21.50	
3GPP Rel 6		HSUPA Subtest-2	13.59	13.50	13.39	14.40	14.63	14.71	14.55	15.70	16.54	16.42	16.53	16.53	19.50	
3GPP Rel 6		HSUPA Subtest-3	14.48	14.53	14.35	15.40	15.58	15.80	15.58	16.70	19.42	19.48	19.44	19.44	20.50	
3GPP Rel 6		HSUPA Subtest-4	13.62	13.54	13.42	14.40	14.60	14.67	14.51	15.70	16.51	16.50	16.46	16.46	19.50	
3GPP Rel 6		HSUPA Subtest-5	15.60	15.55	15.30	16.40	16.61	16.69	16.58	17.70	20.55	20.56	20.52	20.52	21.50	

Band		CDMA BC0			Tune-up		CDMA BC1			Tune-up		CDMA BC10			Tune-up	
TX Channel		Limit			Limit		Limit			Limit		Limit			Limit	
Frequency (MHz)		1013	384	777	25		600	1175	1880	1851.25		476	580	684	817.9	
Frequency (MHz)		824.7	836.52	848.31			1861.25	1908.75	1908.75			817.9	826.5	833.1		
RC1 S055		21.44	21.48	21.38	22.60		17.11	17.07	16.92	18.30		21.83	21.81	21.79	23.00	
RC3 S058		21.53	21.54	21.40	22.60		17.13	17.11	16.97	18.30		21.94	22.07	21.96	23.00	
RC3 S032 (F+SCH)		21.41	21.46	21.36	22.60		17.12	17.09	16.96	18.30		21.98	22.00	21.95	23.00	
RC3 S032 (H+SCH)		21.33	21.35	21.23	22.60		17.04	17.01	16.90	18.30		21.77	21.69	21.75	23.00	
RTAP 153.6Kbps		21.22	21.30	21.15	22.60		16.97	17.02	16.90	18.30		21.80	21.81	21.67	23.00	
RTAP 409.6Kbps		21.30	21.40	21.20	22.60		16.75	16.90	16.65	18.30		21.51	21.52	21.41	23.00	

Band 66									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	17.20	17.65	17.19			
20	QPSK	1	49	17.18	17.60	17.15	18.8	0	
20	QPSK	1	99	17.29	17.24	17.28			
20	QPSK	50	0	17.24	17.37	17.19			
20	QPSK	50	24	17.30	17.45	17.16	18.8	0	
20	QPSK	50	50	17.26	17.41	17.20			
20	QPSK	100	0	17.28	17.34	17.16			
20	16QAM	1	0	17.47	17.63	17.54			
20	16QAM	1	49	17.47	17.60	17.47	18.8	0	
20	16QAM	1	99	17.36	17.59	17.41			
20	16QAM	50	0	17.21	17.39	17.21			
20	16QAM	50	24	17.30	17.37	17.16	18.8	0	
20	16QAM	50	50	17.24	17.41	17.21			
20	16QAM	100	0	17.25	17.36	17.17			
20	64QAM	1	0	17.42	17.46	17.29			
20	64QAM	1	49	17.44	17.58	17.40	18.8	0	
20	64QAM	1	99	17.34	17.59	17.28			
20	64QAM	50	0	17.24	17.38	17.22			
20	64QAM	50	24	17.32	17.39	17.23	18.8	0	
20	64QAM	50	50	17.27	17.44	17.23			
20	64QAM	100	0	17.29	17.36	17.19			
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	17.22	17.29	17.20			
15	QPSK	1	37	17.20	17.33	17.13	18.8	0	
15	QPSK	1	74	17.18	17.25	17.09			
15	QPSK	36	0	17.31	17.37	17.17			
15	QPSK	36	20	17.29	17.35	17.15	18.8	0	
15	QPSK	36	39	17.26	17.39	17.19			
15	QPSK	75	0	17.28	17.35	17.13			
15	16QAM	1	0	17.44	17.64	17.51			
15	16QAM	1	37	17.50	17.58	17.50	18.8	0	
15	16QAM	1	74	17.49	17.63	17.47			
15	16QAM	36	0	17.25	17.36	17.16			
15	16QAM	36	20	17.27	17.31	17.21	18.8	0	
15	16QAM	36	39	17.23	17.37	17.20			
15	16QAM	75	0	17.28	17.34	17.14			
15	64QAM	1	0	17.37	17.44	17.35			
15	64QAM	1	37	17.37	17.51	17.36	18.8	0	
15	64QAM	1	74	17.40	17.52	17.40			
15	64QAM	36	0	17.37	17.41	17.24			
15	64QAM	36	20	17.34	17.39	17.20	18.8	0	
15	64QAM	36	39	17.29	17.44	17.24			
15	64QAM	75	0	17.30	17.20	17.18			
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	17.24	17.48	17.28			
10	QPSK	1	25	17.21	17.38	17.24	18.8	0	
10	QPSK	1	49	17.23	17.35	17.15			
10	QPSK	25	0	17.42	17.47	17.33			
10	QPSK	25	12	17.39	17.46	17.34	18.8	0	
10	QPSK	25	25	17.36	17.46	17.29			
10	QPSK	50	0	17.38	17.41	17.32			
10	16QAM	1	0	17.29	17.41	17.25			
10	16QAM	1	25	17.17	17.37	17.19	18.8	0	
10	16QAM	1	49	17.23	17.40	17.24			
10	16QAM	25	0	17.11	17.21	17.06			
10	16QAM	25	12	17.08	17.16	17.06	18.8	0	
10	16QAM	25	25	17.06	17.19	17.02			
10	16QAM	50	0	17.10	17.18	17.07			
10	64QAM	1	0	17.21	17.31	17.18			
10	64QAM	1	25	17.24	17.33	17.05	18.8	0	
10	64QAM	1	49	17.16	17.27	17.17			
10	64QAM	25	0	17.19	17.24	17.12			
10	64QAM	25	12	17.15	17.20	17.50	18.8	0	
10	64QAM	25	25	17.11	17.26	17.20			
10	64QAM	50	0	17.13	17.16	17.06			
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	17.32	17.38	17.22			
5	QPSK	1	12	17.26	17.44	17.21	18.8	0	
5	QPSK	1	24	17.30	17.45	17.16			
5	QPSK	12	0	17.40	17.45	17.30			
5	QPSK	12	7	17.40	17.51	17.28	18.8	0	
5	QPSK	12	13	17.33	17.50	17.28			
5	QPSK	25	0	17.36	17.43	17.27			
5	16QAM	1	0	17.36	17.45	17.23			
5	16QAM	1	12	17.30	17.37	17.22	18.8	0	
5	16QAM	1	24	17.36	17.49	17.18			
5	16QAM	12	0	17.10	17.19	17.02			
5	16QAM	12	7	17.14	17.25	17.02	18.8	0	
5	16QAM	12	13	17.12	17.22	17.01			
5	16QAM	25	0	17.06	17.18	17.03			
5	64QAM	1	0	17.39	17.33	17.16			
5	64QAM	1	12	17.31	17.36	17.04	18.8	0	
5	64QAM	1	24	17.29	17.31	17.04			
5	64QAM	12	0	17.16	17.28	17.01			
5	64QAM	12	7	17.21	17.35	17.09	18.8	0	
5	64QAM	12	13	17.14	17.27	17.07			
5	64QAM	25	0	17.13	17.21	17.04			
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	17.27	17.38	17.25			
3	QPSK	1	8	17.39	17.45	17.25	18.8	0	
3	QPSK	1	14	17.25	17.39	17.19			
3	QPSK	8	0	17.38	17.44	17.29			
3	QPSK	8	4	17.43	17.53	17.28	18.8	0	
3	QPSK	8	7	17.36	17.49	17.29			
3	QPSK	15	0	17.39	17.43	17.25			
3	16QAM	1	0	17.36	17.38	17.28			
3	16QAM	1	8	17.34	17.52	17.24	18.8	0	
3	16QAM	1	14	17.48	17.42	17.22			
3	16QAM	8	0	17.12	17.20	17.03			
3	16QAM	8	4	17.14	17.30	17.04	18.8	0	
3	16QAM	8	7	17.11	17.25	17.04			
3	16QAM	15	0	17.10	17.20	17.04			
3	64QAM	1	0	17.39	17.33	17.05			
3	64QAM	1	8	17.45	17.35	17.18	18.8	0	
3	64QAM	1	14	17.26	17.30	17.15			
3	64QAM	8	0	17.17	17.18	17.07			
3	64QAM	8	4	17.17	17.35	17.08	18.8	0	
3	64QAM	8	7	17.18	17.25	17.07			
3	64QAM	15	0	17.14	17.20	17.01			
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	17.23	17.33	17.09			
1.4	QPSK	1	3	17.33	17.44	17.15	18.8	0	
1.4	QPSK	1	5	17.22	17.35	17.06			
1.4	QPSK	3	0	17.19	17.34	17.15			
1.4	QPSK	3	1	17.29	17.38	17.19			
1.4	QPSK	3	3	17.19	17.38	17.14			
1.4	QPSK	6	0	17.30	17.44	17.20	18.8	0	
1.4	16QAM	1	0	17.27	17.46	17.14			
1.4	16QAM	1	3	17.20	17.47	17.19			
1.4	16QAM	1	5	17.26	17.28	17.14	18.8	0	
1.4	16QAM	3	0	17.01	17.22	16.93			
1.4	16QAM	3	1	17.09	17.25	16.93			
1.4	16QAM	3	3	17.03	17.18	16.90	18.8	0	
1.4	16QAM	6	0	17.05	17.21	17.04			
1.4	64QAM	1	0	17.20	17.27	17.02			
1.4	64QAM	1	3	17.30	17.44	17.07			
1.4	64QAM	1	5	17.17	17.44	17.05	18.8	0	
1.4	64QAM	3	0	17.14	17.32	17.02			
1.4	64QAM	3	1	17.17	17.27	17.05			
1.4	64QAM	3	3	17.15	17.31	17.02			
1.4	64QAM	6	0	17.04	17.20	16.93	18.8	0	

DSI3 Sim-Tx for Body-worn for LAT

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	126	189	251		168	189	251	
Frequency (MHz)	824.2	836.4	848.6		824.2	836.4	848.6	
GSM 1 Tx slot	32.11	32.04	31.98	33.50	23.11	23.04	22.98	24.50
GPRS 1 Tx slot	32.02	31.95	31.87	33.50	23.02	22.95	22.87	24.50
GPRS 2 Tx slots	29.76	29.98	29.81	30.90	23.76	23.98	23.81	24.90
GPRS 3 Tx slots	28.41	28.50	28.05	29.40	24.15	24.24	23.79	25.14
GPRS 4 Tx slots	28.28	26.21	25.92	27.90	23.28	23.21	22.92	24.90
EDGE 1 Tx slot	24.78	24.68	24.79	24.90	15.78	15.68	15.79	15.90
EDGE 2 Tx slots	22.95	22.92	22.98	23.40	16.95	16.92	16.98	17.40
EDGE 3 Tx slots	21.00	20.89	21.04	21.40	16.74	16.63	16.78	17.14
EDGE 4 Tx slots	19.06	18.88	19.10	19.40	16.06	15.88	16.10	16.40

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1860	1909.8		1850.2	1860	1909.8	
GSM 1 Tx slot	27.04	27.45	27.25	27.80	18.04	18.45	18.25	18.80
GPRS 1 Tx slot	27.05	27.47	27.26	27.80	18.05	18.47	18.26	18.80
GPRS 2 Tx slots	23.02	24.25	23.80	24.80	17.02	18.25	17.80	18.80
GPRS 3 Tx slots	22.40	22.39	22.30	23.30	18.14	18.13	18.04	19.04
GPRS 4 Tx slots	20.21	20.24	19.95	21.80	17.21	17.24	16.95	18.80
EDGE 1 Tx slot	25.10	25.08	25.70	26.50	16.10	16.08	16.70	17.50
EDGE 2 Tx slots	22.67	23.60	23.00	24.50	16.67	17.60	17.00	18.50
EDGE 3 Tx slots	20.86	21.40	20.80	22.50	16.60	17.14	16.54	18.24
EDGE 4 Tx slots	19.50	19.90	19.30	21.00	16.50	16.90	16.30	18.00

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		8652	8800	8988		1537	1638	1738		4497	4497	4448	
Frequency (MHz)		1852.4	1860	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	14.51	14.47	14.21	15.40	15.88	16.00	15.86	16.90	21.38	21.47	21.48	22.50
3GPP Rel 99	RMRC 12.2Kbps	14.55	14.50	14.22	15.40	15.90	16.03	15.88	16.90	21.40	21.52	21.50	22.50
3GPP Rel 6	HSDPA Subtest-1	13.53	13.50	13.23	14.40	14.93	15.08	14.91	15.90	20.45	20.54	20.60	21.50
3GPP Rel 6	HSDPA Subtest-2	13.57	13.51	13.24	14.40	14.84	15.08	14.83	15.90	20.45	20.55	20.50	21.50
3GPP Rel 6	HSDPA Subtest-3	13.03	12.95	12.80	13.90	14.40	14.53	14.42	15.40	19.93	20.01	20.01	21.00
3GPP Rel 6	HSDPA Subtest-4	13.06	13.01	12.86	13.90	14.42	14.48	14.33	15.40	19.98	20.03	20.08	21.00
3GPP Rel 6	DC-HSDPA Subtest-1	13.55	13.52	13.34	14.40	14.98	15.12	14.90	15.90	20.52	20.61	20.74	21.50
3GPP Rel 6	DC-HSDPA Subtest-2	13.62	13.58	13.26	14.40	14.88	15.08	14.86	15.90	20.50	20.59	20.62	21.50
3GPP Rel 6	DC-HSDPA Subtest-3	12.98	12.93	12.78	13.90	14.46	14.57	14.41	15.40	20.05	20.14	20.20	21.00
3GPP Rel 6	DC-HSDPA Subtest-4	12.95	12.91	12.89	13.90	14.44	14.51	14.28	15.40	20.12	20.19	20.18	21.00
3GPP Rel 6	HSUPA Subtest-1	13.59	13.56	13.52	14.40	14.96	15.15	14.92	15.90	20.48	20.51	20.58	21.50
3GPP Rel 6	HSUPA Subtest-2	11.57	11.52	11.48	12.40	12.92	13.13	12.88	13.90	18.54	18.42	18.53	19.50
3GPP Rel 6	HSUPA Subtest-3	12.62	12.66	12.61	13.40	13.95	14.08	13.93	14.90	19.42	19.48	19.44	20.50
3GPP Rel 6	HSUPA Subtest-4	11.56	11.51	11.54	12.40	12.96	13.16	12.90	13.90	18.51	18.50	18.48	19.50
3GPP Rel 6	HSUPA Subtest-5	13.57	13.59	13.52	14.40	14.92	15.11	14.94	15.90	20.55	20.56	20.52	21.50

Band		CDMA BC0			Tune-up Limit (dBm)	CDMA BC1			Tune-up Limit (dBm)	CDMA BC10			Tune-up Limit (dBm)
TX Channel		1013	384	777		25	600	1175		476	580	664	
Frequency (MHz)		824.7	836.52	848.31		1851.25	1860	1908.75		617.9	626.5	633.1	
RC1 S055		20.84	20.88	20.76	22.00	15.28	15.25	15.07	16.40	21.53	21.53	21.48	22.70
RC3 S055		20.91	20.94	20.76	22.00	15.27	15.24	15.09	16.40	21.55	21.56	21.51	22.70
RC3 S032 (F+SCH)		20.81	20.86	20.73	22.00	15.24	15.23	15.08	16.40	21.54	21.55	21.50	22.70
RC3 S032 (H+SCH)		20.70	20.80	20.63	22.00	15.16	15.13	14.98	16.40	21.48	21.37	21.42	22.70
RTAP 15.6Kbps		20.50	20.55	20.45	22.00	14.93	14.84	14.73	16.40	21.40	21.42	21.38	22.70
RTAP 40.96Kbps		20.45	20.59	20.54	22.00	15.03	14.98	14.96	16.40	21.37	21.38	21.20	22.70

Band 7 (2600MHz Band)									
Part 27									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20650	21100	21350			
Frequency (MHz)				2502.5	2535	2560			
20	QPSK	1	0	14.07	14.25	14.34	15.5	0	
20	QPSK	1	49	14.14	14.31	14.42			
20	QPSK	1	99	14.22	14.43	14.64			
20	QPSK	50	0	14.23	14.42	14.54	15.5	0	
20	QPSK	50	24	14.33	14.50	14.61			
20	QPSK	50	50	14.36	14.53	14.65			
20	QPSK	100	0	14.32	14.47	14.59	15.5	0	
20	16QAM	1	0	14.04	14.15	14.30			
20	16QAM	1	49	14.10	14.28	14.37			
20	16QAM	1	99	14.20	14.39	14.49	15.5	0	
20	16QAM	50	0	13.93	14.13	14.20			
20	16QAM	50	24	14.00	14.20	14.26			
20	16QAM	50	50	14.05	14.23	14.34	15.5	0	
20	16QAM	100	0	13.97	14.18	14.21			
20	64QAM	1	0	13.76	13.99	14.09			
20	64QAM	1	49	13.95	14.21	14.23	15.5	0	
20	64QAM	1	99	14.07	14.26	14.37			
20	64QAM	50	0	13.84	14.06	14.14			
20	64QAM	50	24	13.99	14.12	14.17	15.5	0	
20	64QAM	50	50	13.97	14.18	14.29			
20	64QAM	100	0	13.94	14.12	14.13			
Channel				20625	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	13.97	14.16	14.27	15.5	0	
15	QPSK	1	37	14.15	14.30	14.34			
15	QPSK	1	74	14.19	14.42	14.63			
15	QPSK	36	0	14.13	14.39	14.47	15.5	0	
15	QPSK	36	20	14.29	14.43	14.59			
15	QPSK	36	39	14.29	14.43	14.59			
15	QPSK	75	0	14.28	14.43	14.59	15.5	0	
15	16QAM	1	0	13.99	14.13	14.26			
15	16QAM	1	37	14.11	14.26	14.32			
15	16QAM	1	74	14.14	14.31	14.46	15.5	0	
15	16QAM	36	0	13.94	14.08	14.12			
15	16QAM	36	20	14.01	14.19	14.25			
15	16QAM	36	39	13.98	14.19	14.29	15.5	0	
15	16QAM	75	0	13.95	14.08	14.21			
15	64QAM	1	0	13.71	13.96	14.08			
15	64QAM	1	37	13.91	14.18	14.19	15.5	0	
15	64QAM	1	74	14.03	14.23	14.28			
15	64QAM	36	0	13.74	13.98	14.07			
15	64QAM	36	20	13.94	14.04	14.10	15.5	0	
15	64QAM	36	39	13.93	14.16	14.22			
15	64QAM	75	0	13.88	14.03	14.06			
Channel				20600	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	14.00	14.17	14.31	15.5	0	
10	QPSK	1	25	14.06	14.29	14.35			
10	QPSK	1	49	14.21	14.38	14.59			
10	QPSK	25	0	14.18	14.43	14.54	15.5	0	
10	QPSK	25	12	14.26	14.42	14.59			
10	QPSK	25	25	14.32	14.49	14.59			
10	QPSK	50	0	14.33	14.47	14.50	15.5	0	
10	16QAM	1	0	14.03	14.06	14.22			
10	16QAM	1	25	14.06	14.25	14.37			
10	16QAM	1	49	14.14	14.30	14.41	15.5	0	
10	16QAM	25	0	13.83	14.06	14.14			
10	16QAM	25	12	13.92	14.12	14.19			
10	16QAM	25	25	14.03	14.17	14.31	15.5	0	
10	16QAM	50	0	13.89	14.16	14.12			
10	64QAM	1	0	13.70	14.00	14.06			
10	64QAM	1	25	13.93	14.18	14.24	15.5	0	
10	64QAM	1	49	14.01	14.20	14.31			
10	64QAM	25	0	13.84	14.02	14.13			
10	64QAM	25	12	13.98	14.03	14.09	15.5	0	
10	64QAM	25	25	13.92	14.13	14.22			
10	64QAM	50	0	13.86	14.06	14.08			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	14.05	14.23	14.25	15.5	0	
5	QPSK	1	12	14.15	14.29	14.39			
5	QPSK	1	24	14.20	14.38	14.60			
5	QPSK	12	0	14.20	14.32	14.44	15.5	0	
5	QPSK	12	7	14.24	14.48	14.62			
5	QPSK	12	13	14.32	14.49	14.62			
5	QPSK	25	0	14.31	14.44	14.52	15.5	0	
5	16QAM	1	0	13.95	14.16	14.26			
5	16QAM	1	12	14.10	14.27	14.34			
5	16QAM	1	24	14.18	14.31	14.39	15.5	0	
5	16QAM	12	0	13.90	14.14	14.15			
5	16QAM	12	7	14.01	14.13	14.27			
5	16QAM	12	13	14.05	14.16	14.28	15.5	0	
5	16QAM	25	0	13.88	14.17	14.13			
5	64QAM	1	0	13.66	13.90	14.03			
5	64QAM	1	12	13.85	14.19	14.20	15.5	0	
5	64QAM	1	24	14.01	14.23	14.30			
5	64QAM	12	0	13.82	14.06	14.04			
5	64QAM	12	7	13.89	14.10	14.11	15.5	0	
5	64QAM	12	13	13.87	14.09	14.20			
5	64QAM	25	0	13.86	14.02	14.07			

Band 13(700MHz Band)							Part 27F	
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23205	23230			
Frequency (MHz)				782				
10	QPSK	1	0	20.61			22.2	0
10	QPSK	1	25	20.80				
10	QPSK	1	49	20.93				
10	QPSK	25	0	20.83			22.2	0
10	QPSK	25	12	20.85				
10	QPSK	25	25	20.91				
10	QPSK	50	0	20.75			22.2	0
10	16QAM	1	0	20.77				
10	16QAM	1	25	20.82				
10	16QAM	1	49	20.81			22	0.2
10	16QAM	25	0	20.61				
10	16QAM	25	12	20.70				
10	16QAM	25	25	20.78			21	1.2
10	16QAM	50	0	20.70				
10	64QAM	1	0	20.77				
10	64QAM	1	25	20.80			22	0.2
10	64QAM	1	49	20.84				
10	64QAM	25	0	19.74				
10	64QAM	25	12	19.72			21	1.2
10	64QAM	25	25	19.71				
10	64QAM	50	0	19.93				
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	0	20.77	20.76	20.71	22.2	0
5	QPSK	1	12	20.88	20.82	20.89		
5	QPSK	1	24	20.88	20.77	20.80		
5	QPSK	12	0	20.70	20.84	20.78	22.2	0
5	QPSK	12	7	20.87	20.85	20.89		
5	QPSK	12	13	20.88	20.91	20.90		
5	QPSK	25	0	20.84	20.85	20.86	22.2	0
5	16QAM	1	0	20.64	20.90	20.61		
5	16QAM	1	12	20.55	20.75	20.90		
5	16QAM	1	24	20.81	20.60	20.79	22	0.2
5	16QAM	12	0	20.66	20.63	20.65		
5	16QAM	12	7	20.78	20.65	20.69		
5	16QAM	12	13	20.72	20.70	20.70	21	1.2
5	16QAM	25	0	20.59	20.69	20.81		
5	64QAM	1	0	20.46	20.46	20.88		
5	64QAM	1	12	20.77	20.62	20.84	22	0.2
5	64QAM	1	24	20.79	20.46	20.89		
5	64QAM	12	0	19.56	19.76	19.67		
5	64QAM	12	7	20.14	19.68	19.72	21	1.2
5	64QAM	12	13	19.74	19.86	19.75		
5	64QAM	25	0	19.75	19.63	19.70		

Band 66									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
	Channel			132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	16.58	16.68	16.54			
20	QPSK	1	49	16.44	16.61	16.37	17.7	0	
20	QPSK	1	99	16.41	16.52	16.36			
20	QPSK	50	0	16.13	16.23	16.07			
20	QPSK	50	24	16.15	16.36	16.15	17.7	0	
20	QPSK	50	50	16.16	16.28	16.06			
20	QPSK	100	0	16.18	16.22	16.04			
20	16QAM	1	0	16.24	16.32	16.17	17.7	0	
20	16QAM	1	49	16.18	16.35	16.12			
20	16QAM	1	99	16.14	16.28	16.10			
20	16QAM	50	0	16.13	16.26	16.10	17.7	0	
20	16QAM	50	24	16.22	16.25	16.07			
20	16QAM	50	50	16.13	16.28	16.09			
20	16QAM	100	0	16.17	16.22	16.05	17.7	0	
20	64QAM	1	0	16.03	16.13	16.00			
20	64QAM	1	49	16.11	16.14	16.00			
20	64QAM	1	99	16.04	16.18	16.00	17.7	0	
20	64QAM	50	0	16.13	16.27	16.08			
20	64QAM	50	24	16.20	16.27	16.08			
20	64QAM	50	50	16.15	16.31	16.14	17.7	0	
20	64QAM	100	0	16.19	16.22	16.07			
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	16.49	16.64	16.44	17.7	0	
15	QPSK	1	37	16.43	16.52	16.35			
15	QPSK	1	74	16.31	16.46	16.33			
15	QPSK	36	0	16.04	16.14	15.98	17.7	0	
15	QPSK	36	20	16.13	16.30	16.10			
15	QPSK	36	39	16.10	16.25	15.96			
15	QPSK	75	0	16.15	16.21	15.99	17.7	0	
15	16QAM	1	0	16.24	16.31	16.07			
15	16QAM	1	37	16.16	16.29	16.07			
15	16QAM	1	74	16.06	16.22	16.06	17.7	0	
15	16QAM	36	0	16.12	16.20	16.06			
15	16QAM	36	20	16.18	16.18	16.06			
15	16QAM	36	39	16.14	16.28	16.10	17.7	0	
15	16QAM	75	0	16.16	16.14	16.06			
15	64QAM	1	0	15.97	16.06	15.96	17.7	0	
15	64QAM	1	37	16.07	16.10	15.96			
15	64QAM	1	74	15.96	16.16	15.95			
15	64QAM	36	0	16.14	16.21	16.03	17.7	0	
15	64QAM	36	20	16.13	16.18	16.07			
15	64QAM	36	39	16.12	16.23	16.13			
15	64QAM	75	0	16.20	16.15	16.03	17.7	0	
Channel				132022	132322	132622			
Frequency (MHz)				1715	1745	1775	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	16.59	16.60	16.44			
10	QPSK	1	25	16.36	16.56	16.33	17.7	0	
10	QPSK	1	49	16.31	16.51	16.32			
10	QPSK	25	0	16.11	16.15	16.01	17.7	0	
10	QPSK	25	12	16.06	16.31	16.12			
10	QPSK	25	25	16.17	16.29	16.04	17.7	0	
10	QPSK	50	0	16.10	16.15	15.98			
10	16QAM	1	0	16.16	16.22	16.13	17.7	0	
10	16QAM	1	25	16.19	16.28	16.12			
10	16QAM	1	49	16.06	16.25	16.06	17.7	0	
10	16QAM	25	0	16.12	16.17	16.07			
10	16QAM	25	12	16.16	16.26	16.08	17.7	0	
10	16QAM	25	25	16.08	16.25	16.02			
10	16QAM	50	0	16.16	16.22	16.05	17.7	0	
10	64QAM	1	0	16.04	16.03	15.94			
10	64QAM	1	25	16.02	16.10	15.93	17.7	0	
10	64QAM	1	49	16.04	16.15	16.00			
10	64QAM	25	0	16.06	16.20	16.06	17.7	0	
10	64QAM	25	12	16.17	16.25	16.00			
10	64QAM	25	25	16.08	16.22	16.13	17.7	0	
10	64QAM	50	0	16.09	16.16	15.99			
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	16.52	16.61	16.55	17.7	0	
5	QPSK	1	12	16.36	16.56	16.32			
5	QPSK	1	24	16.37	16.48	16.30			
5	QPSK	12	0	16.06	16.19	16.02	17.7	0	
5	QPSK	12	7	16.10	16.29	16.10			
5	QPSK	12	13	16.17	16.23	16.06			
5	QPSK	25	0	16.13	16.18	16.05	17.7	0	
5	16QAM	1	0	16.21	16.33	16.08			
5	16QAM	1	12	16.15	16.30	16.05	17.7	0	
5	16QAM	1	24	16.05	16.20	16.01			
5	16QAM	12	0	16.11	16.16	16.08	17.7	0	
5	16QAM	12	7	16.15	16.15	15.99			
5	16QAM	12	13	16.06	16.24	16.08	17.7	0	
5	16QAM	25	0	16.07	16.12	16.04			
5	64QAM	1	0	15.97	16.06	15.96	17.7	0	
5	64QAM	1	12	16.08	16.09	15.97			
5	64QAM	1	24	15.99	16.11	16.01	17.7	0	
5	64QAM	12	0	16.10	16.21	16.00			
5	64QAM	12	7	16.20	16.24	16.02	17.7	0	
5	64QAM	12	13	16.07	16.28	16.09			
5	64QAM	25	0	16.15	16.19	16.04	17.7	0	
Channel				131987	132322	132637			
Frequency (MHz)				1711.5	1745	1778.5	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	16.48	16.65	16.49			
3	QPSK	1	8	16.38	16.55	16.33	17.7	0	
3	QPSK	1	14	16.39	16.48	16.33			
3	QPSK	8	0	16.06	16.16	16.02	17.7	0	
3	QPSK	8	4	16.05	16.34	16.11			
3	QPSK	8	7	16.06	16.19	16.03	17.7	0	
3	QPSK	15	0	16.18	16.21	16.03			
3	16QAM	1	0	16.25	16.27	16.17	17.7	0	
3	16QAM	1	8	16.14	16.27	16.04			
3	16QAM	1	14	16.11	16.22	16.09	17.7	0	
3	16QAM	8	0	16.07	16.16	16.05			
3	16QAM	8	4	16.20	16.26	15.99	17.7	0	
3	16QAM	8	7	16.10	16.22	16.10			
3	16QAM	15	0	16.09	16.21	16.05	17.7	0	
3	64QAM	1	0	16.04	16.08	15.92			
3	64QAM	1	8	16.06	16.11	15.93	17.7	0	
3	64QAM	1	14	16.00	16.15	15.96			
3	64QAM	8	0	16.12	16.28	16.01	17.7	0	
3	64QAM	8	4	16.19	16.24	16.03			
3	64QAM	8	7	16.14	16.22	16.10	17.7	0	
3	64QAM	15	0	16.11	16.23	16.07			
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	16.52	16.62	16.46	17.7	0	
1.4	QPSK	1	3	16.44	16.52	16.38			
1.4	QPSK	1	5	16.41	16.47	16.31			
1.4	QPSK	3	0	16.06	16.17	16.00	17.7	0	
1.4	QPSK	3	1	16.11	16.36	16.09			

DSI3 Sim-Tx for Hotspot for LAT

GSM850		Burst Average Power (dBm)			Tune-up		Frame Average Power (dBm)			Tune-up	
TX Channel		Limit			Limit		Limit			Limit	
Frequency (MHz)		824.2			824.2		824.2			824.2	
GSM 1 Tx slot		32.11	32.04	31.98	33.50	23.11	23.04	22.98	24.50		
GPRS 1 Tx slot		32.02	31.95	31.87	33.50	23.02	22.95	22.87	24.50		
GPRS 2 Tx slots		29.76	29.68	29.61	30.90	23.76	23.68	23.61	24.90		
GPRS 3 Tx slots		28.41	28.30	28.05	29.40	24.15	24.24	23.79	25.14		
GPRS 4 Tx slots		28.28	26.21	25.92	27.90	23.28	23.21	22.92	24.90		
EDGE 1 Tx slot		24.78	24.68	24.79	24.90	15.78	15.68	15.79	15.90		
EDGE 2 Tx slots		22.95	22.92	22.98	23.40	16.95	16.92	16.98	17.40		
EDGE 3 Tx slots		21.00	20.89	21.04	21.40	16.74	16.63	16.78	17.14		
EDGE 4 Tx slots		19.06	18.88	19.10	19.40	16.06	15.88	16.10	16.40		

GSM1900		Burst Average Power (dBm)			Tune-up		Frame Average Power (dBm)			Tune-up	
TX Channel		Limit			Limit		Limit			Limit	
Frequency (MHz)		1850.2			1850.2		1850.2			1850.2	
GSM 1 Tx slot		27.04	27.45	27.25	27.80	18.04	18.45	18.25	18.80		
GPRS 1 Tx slot		27.05	27.47	27.26	27.80	18.05	18.47	18.26	18.80		
GPRS 2 Tx slots		23.02	24.25	23.80	24.80	17.02	18.25	17.80	18.80		
GPRS 3 Tx slots		22.40	22.39	22.30	23.30	18.14	18.13	18.04	19.04		
GPRS 4 Tx slots		20.21	20.24	19.95	21.80	17.21	17.24	16.95	18.80		
EDGE 1 Tx slot		25.10	25.08	25.70	26.50	16.10	16.08	16.70	17.50		
EDGE 2 Tx slots		22.87	23.60	23.00	24.50	16.87	17.80	17.00	18.50		
EDGE 3 Tx slots		20.86	21.40	20.80	22.50	16.60	17.14	16.54	18.24		
EDGE 4 Tx slots		19.50	19.90	19.30	21.00	16.50	16.90	16.30	18.00		

Band		WCDMA II			Tune-up		WCDMA IV			Tune-up		WCDMA V			Tune-up	
TX Channel		Limit			Limit		Limit			Limit		Limit			Limit	
Frequency (MHz)		1852.4			1712.4		1712.4			1712.4		1712.4			1712.4	
3GPP Rel 99	AMR 12.2Kbps	14.51	14.47	14.21	15.40	15.88	16.00	15.86	16.90	21.38	21.47	21.48	21.48	22.50		
3GPP Rel 99	RMRC 12.2Kbps	14.55	14.50	14.22	15.40	15.90	16.03	15.88	16.90	21.40	21.52	21.50	21.50	22.50		
3GPP Rel 6	HSDDPA Subtest-1	13.53	13.50	13.23	14.40	14.93	15.08	14.91	15.90	20.45	20.54	20.60	21.50			
3GPP Rel 6	HSDDPA Subtest-2	13.57	13.51	13.24	14.40	14.84	15.08	14.83	15.90	20.45	20.55	20.50	21.50			
3GPP Rel 6	HSDDPA Subtest-3	13.03	12.95	12.80	13.90	14.40	14.53	14.42	15.40	19.93	20.01	20.01	21.00			
3GPP Rel 6	HSDDPA Subtest-4	13.06	13.01	12.86	13.90	14.42	14.48	14.33	15.40	19.98	20.03	20.08	21.00			
3GPP Rel 6	DC-HSDPA Subtest-1	13.55	13.52	13.34	14.40	14.98	15.12	14.90	15.90	20.52	20.61	20.74	21.50			
3GPP Rel 6	DC-HSDPA Subtest-2	13.62	13.58	13.26	14.40	14.88	15.08	14.86	15.90	20.50	20.59	20.62	21.50			
3GPP Rel 6	DC-HSDPA Subtest-3	12.98	12.93	12.78	13.90	14.46	14.57	14.41	15.40	20.05	20.14	20.20	21.00			
3GPP Rel 6	DC-HSDPA Subtest-4	12.95	12.91	12.89	13.90	14.44	14.51	14.28	15.40	20.12	20.19	20.18	21.00			
3GPP Rel 6	HSUPA Subtest-1	13.59	13.56	13.52	14.40	14.96	15.15	14.92	15.90	20.48	20.51	20.68	21.50			
3GPP Rel 6	HSUPA Subtest-2	11.57	11.52	11.48	12.40	12.92	13.13	12.88	13.90	18.54	18.42	18.53	19.50			
3GPP Rel 6	HSUPA Subtest-3	12.62	12.66	12.61	13.40	13.95	14.08	13.93	14.90	19.42	19.48	19.44	20.50			
3GPP Rel 6	HSUPA Subtest-4	11.56	11.51	11.54	12.40	12.96	13.16	12.90	13.90	18.51	18.50	18.48	19.50			
3GPP Rel 6	HSUPA Subtest-5	13.57	13.59	13.52	14.40	14.92	15.11	14.94	15.90	20.55	20.56	20.52	21.50			

Band		CDMA BC3			Tune-up		CDMA BC1			Tune-up		CDMA BC10			Tune-up	
TX Channel		Limit			Limit		Limit			Limit		Limit			Limit	
Frequency (MHz)		824.7			1851.25		1851.25			1851.25		1851.25			1851.25	
RC1 S05S		20.84	20.88	20.76	22.00	15.26	15.25	15.07	16.40	21.53	21.53	21.48	22.70			
RC3 S05S		20.91	20.94	20.76	22.00	15.27	15.24	15.09	16.40	21.55	21.56	21.51	22.70			
RC3 S03S (+SCH)		20.91	20.88	20.75	22.00	15.24	15.23	15.08	16.40	21.54	21.55	21.56	22.70			
RC3 S03S (+SCH)		20.70	20.80	20.63	22.00	15.18	15.13	14.98	16.40	21.48	21.37	21.42	22.70			
RTAP 153.6Kbps		20.50	20.55	20.45	22.00	14.93	14.84	14.73	16.40	21.40	21.42	21.38	22.70			
RETAP 4096Kbps		20.48	20.59	20.54	22.00	15.03	14.88	14.96	16.40	21.37	21.36	21.20	22.70			

Band 66									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	16.58	16.68	16.54			
20	QPSK	1	49	16.44	16.61	16.37	17.7	0	
20	QPSK	1	99	16.41	16.52	16.36			
20	QPSK	50	0	16.13	16.23	16.07			
20	QPSK	50	24	16.15	16.36	16.15	17.7	0	
20	QPSK	50	50	16.16	16.28	16.06			
20	QPSK	100	0	16.18	16.22	16.04			
20	16QAM	1	0	16.24	16.32	16.17			
20	16QAM	1	49	16.18	16.35	16.12	17.7	0	
20	16QAM	1	99	16.14	16.28	16.10			
20	16QAM	50	0	16.13	16.26	16.10			
20	16QAM	50	24	16.22	16.25	16.07	17.7	0	
20	16QAM	50	50	16.13	16.28	16.09			
20	16QAM	100	0	16.17	16.22	16.05			
20	64QAM	1	0	16.03	16.13	16.00			
20	64QAM	1	49	16.11	16.14	16.00	17.7	0	
20	64QAM	1	99	16.04	16.18	16.00			
20	64QAM	50	0	16.13	16.27	16.08			
20	64QAM	50	24	16.20	16.27	16.08	17.7	0	
20	64QAM	50	50	16.15	16.31	16.14			
20	64QAM	100	0	16.19	16.22	16.07			
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	16.49	16.64	16.44			
15	QPSK	1	37	16.43	16.52	16.35	17.7	0	
15	QPSK	1	74	16.31	16.46	16.33			
15	QPSK	36	0	16.04	16.14	15.98			
15	QPSK	36	20	16.13	16.30	16.10	17.7	0	
15	QPSK	36	39	16.10	16.25	15.96			
15	QPSK	75	0	16.15	16.21	15.99			
15	16QAM	1	0	16.24	16.31	16.07			
15	16QAM	1	37	16.16	16.29	16.07	17.7	0	
15	16QAM	1	74	16.06	16.22	16.06			
15	16QAM	36	0	16.12	16.20	16.06			
15	16QAM	36	20	16.18	16.18	16.06	17.7	0	
15	16QAM	36	39	16.14	16.28	16.10			
15	16QAM	75	0	16.16	16.14	16.06			
15	64QAM	1	0	15.97	16.06	15.96			
15	64QAM	1	37	16.07	16.10	15.96	17.7	0	
15	64QAM	1	74	15.96	16.16	15.95			
15	64QAM	36	0	16.14	16.21	16.03			
15	64QAM	36	20	16.13	16.18	16.07	17.7	0	
15	64QAM	36	39	16.12	16.23	16.13			
15	64QAM	75	0	16.20	16.15	16.03			
Channel				132022	132322	132627	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	16.59	16.60	16.44			
10	QPSK	1	25	16.36	16.56	16.33	17.7	0	
10	QPSK	1	49	16.31	16.51	16.32			
10	QPSK	25	0	16.11	16.15	16.01			
10	QPSK	25	12	16.06	16.31	16.12	17.7	0	
10	QPSK	25	25	16.17	16.29	16.04			
10	QPSK	50	0	16.10	16.15	15.98			
10	16QAM	1	0	16.16	16.22	16.13			
10	16QAM	1	25	16.19	16.28	16.12	17.7	0	
10	16QAM	1	49	16.06	16.25	16.06			
10	16QAM	25	0	16.12	16.17	16.07			
10	16QAM	25	12	16.16	16.26	16.08	17.7	0	
10	16QAM	25	25	16.08	16.25	16.02			
10	16QAM	50	0	16.16	16.22	16.05			
10	64QAM	1	0	16.04	16.03	15.94			
10	64QAM	1	25	16.02	16.10	15.93	17.7	0	
10	64QAM	1	49	16.04	16.15	16.00			
10	64QAM	25	0	16.06	16.20	16.06			
10	64QAM	25	12	16.17	16.25	16.00	17.7	0	
10	64QAM	25	25	16.09	16.22	16.13			
10	64QAM	50	0	16.09	16.16	15.99			
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	16.52	16.61	16.55			
5	QPSK	1	12	16.36	16.56	16.32	17.7	0	
5	QPSK	1	24	16.37	16.48	16.30			
5	QPSK	12	0	16.06	16.19	16.02			
5	QPSK	12	7	16.10	16.29	16.10	17.7	0	
5	QPSK	12	13	16.17	16.23	16.06			
5	QPSK	25	0	16.13	16.18	16.05			
5	16QAM	1	0	16.21	16.33	16.08			
5	16QAM	1	12	16.15	16.30	16.05	17.7	0	
5	16QAM	1	24	16.05	16.20	16.01			
5	16QAM	12	0	16.11	16.16	16.08			
5	16QAM	12	7	16.15	16.15	15.99	17.7	0	
5	16QAM	12	13	16.06	16.24	16.08			
5	16QAM	25	0	16.07	16.12	16.04			
5	64QAM	1	0	15.97	16.06	15.96			
5	64QAM	1	12	16.08	16.09	15.97	17.7	0	
5	64QAM	1	24	15.99	16.11	16.01			
5	64QAM	12	0	16.10	16.21	16.00			
5	64QAM	12	7	16.20	16.24	16.02	17.7	0	
5	64QAM	12	13	16.07	16.29	16.09			
5	64QAM	25	0	16.15	16.19	16.04			
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	16.48	16.65	16.49			
3	QPSK	1	8	16.38	16.55	16.33	17.7	0	
3	QPSK	1	14	16.39	16.48	16.33			
3	QPSK	8	0	16.06	16.16	16.02			
3	QPSK	8	4	16.05	16.34	16.11	17.7	0	
3	QPSK	8	7	16.06	16.19	16.03			
3	QPSK	15	0	16.18	16.21	16.03			
3	16QAM	1	0	16.25	16.27	16.17			
3	16QAM	1	8	16.14	16.27	16.04	17.7	0	
3	16QAM	1	14	16.11	16.22	16.09			
3	16QAM	8	0	16.07	16.16	16.05			
3	16QAM	8	4	16.20	16.26	15.99	17.7	0	
3	16QAM	8	7	16.10	16.22	16.10			
3	16QAM	15	0	16.09	16.21	16.05			
3	64QAM	1	0	16.04	16.08	15.92			
3	64QAM	1	8	16.06	16.11	15.93	17.7	0	
3	64QAM	1	14	16.00	16.15	15.96			
3	64QAM	8	0	16.12	16.28	16.01			
3	64QAM	8	4	16.19	16.24	16.03	17.7	0	
3	64QAM	8	7	16.14	16.22	16.10			
3	64QAM	15	0	16.11	16.23	16.07			
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	16.52	16.62	16.46			
1.4	QPSK	1	3	16.41	16.52	16.38	17.7	0	
1.4	QPSK	1	5	16.41	16.47	16.31			
1.4	QPSK	3	0	16.06	16.17	16.00			
1.4	QPSK	3	1	16.11	16.36	16.09			
1.4	QPSK	3	3	16.15	16.18	16.07	17.7	0	
1.4	QPSK	6	0	16.10	16.16	16.05			
1.4	16QAM	1	0	16.22	16.24	16.17			
1.4	16QAM	1	3	16.13	16.31	16.07			
1.4	16QAM	1	5	16.05	16.25	16.11	17.7	0	
1.4	16QAM	3	0	16.13	16.19	16.04			
1.4	16QAM	3	1	16.15	16.17	16.01			
1.4	16QAM	3	3	16.11	16.19	16.04			
1.4	16QAM	6	0	16.07	16.12	15.99	17.7	0	
1.4	64QAM	1	0	15.96	16.13	16.00			
1.4	64QAM	1	3	16.12	16.11	15.93			
1.4	64QAM	1	5	16.00	16.15	15.99	17.7	0	
1.4	64QAM	3	0	16.05	16.23	16.06			
1.4	64QAM	3	1	16.16	16.17	16.01			
1.4	64QAM	3	3	16.14	16.27	16.11			
1.4	64QAM	6	0	16.14	16.16	16.00	17.7	0	

DIS6 for Handheld Standalone/Sim-Tx for LAT

Band	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8	1850.2	1880	1909.8		
Frequency (MHz)	29.91	29.69	29.37	30.50	20.91	20.69	20.37	21.50
GSM 1 Tx slot	30.11	29.92	29.87	30.50	21.11	20.92	20.87	21.50
GPRS 2 Tx slots	27.59	27.36	27.07	27.60	21.59	21.36	21.07	21.60
GPRS 3 Tx slots	26.00	25.93	25.91	27.10	21.74	21.67	21.65	22.84
GPRS 4 Tx slots	23.94	24.28	23.62	25.60	20.94	21.28	20.62	22.60
EDGE 1 Tx slot	25.47	25.08	25.21	26.50	16.47	16.38	16.21	17.50
EDGE 2 Tx slots	24.45	24.17	24.14	25.50	18.45	18.17	18.14	19.50
EDGE 3 Tx slots	22.31	22.34	22.08	24.00	18.05	18.08	17.82	19.74
EDGE 4 Tx slots	21.23	21.32	21.12	22.50	18.23	18.32	18.12	19.50

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9638		1312	1413	1513	
TX Channel	9662	9800	9638	1337	1638	1738		
Frequency (MHz)	1852.4	1880	1907.6	1724.4	1752.6	1780.6		
3GPP Rel 99 AMR 12.2Kbps	19.85	19.60	19.32	20.50	18.73	18.88	18.72	20.00
3GPP Rel 99 RMC 12.2Kbps	19.88	19.62	19.35	20.50	18.76	18.90	18.78	20.00
3GPP Rel 6 HSDPA Subtest-1	18.67	18.62	18.26	19.50	17.71	17.80	17.80	19.00
3GPP Rel 6 HSDPA Subtest-2	18.62	18.38	18.01	18.50	17.81	17.89	17.78	19.00
3GPP Rel 6 HSDPA Subtest-3	18.18	17.74	17.83	19.00	17.28	17.42	17.22	18.50
3GPP Rel 6 HSDPA Subtest-4	18.12	18.15	17.84	19.00	17.28	17.42	17.23	18.50
3GPP Rel 6 DC-HSUPA Subtest-1	18.72	18.60	18.22	19.50	17.78	17.75	17.72	19.00
3GPP Rel 6 DC-HSDPA Subtest-2	18.58	18.37	18.00	19.50	17.86	17.84	17.81	19.00
3GPP Rel 6 DC-HSDPA Subtest-3	18.13	17.88	17.81	19.00	17.31	17.27	17.28	18.50
3GPP Rel 6 DC-HSDPA Subtest-4	18.11	18.10	17.77	19.00	17.17	17.14	17.14	18.50
3GPP Rel 6 HSUPA Subtest-1	18.74	18.62	18.26	19.50	17.74	17.73	17.72	19.00
3GPP Rel 6 HSUPA Subtest-2	16.88	16.59	16.27	17.50	15.72	15.68	15.62	17.00
3GPP Rel 6 HSUPA Subtest-3	17.73	17.64	17.22	18.50	17.68	17.59	17.66	18.00
3GPP Rel 6 HSUPA Subtest-4	16.70	16.56	16.34	17.50	15.70	15.67	15.67	17.00
3GPP Rel 6 HSUPA Subtest-5	18.71	18.59	18.21	19.50	17.68	17.61	17.61	19.00

Band	CDMA BC1			Tune-up Limit (dBm)
	26	400	1175	
TX Channel	1851.25	1880	1908.75	
Frequency (MHz)	19.72	19.70	19.54	20.90
RC1 SO55	19.74	19.71	19.58	20.90
RC1 SO55 (FSSCH)	19.75	19.72	19.58	20.90
RC1 SO32 (FSSCH)	19.86	19.65	19.49	20.90
RTAP 153.6Kbps	20.12	19.98	19.89	20.90
RETAP 456.8Kbps	20.14	20.00	19.91	20.90



Band 25 (1900MHz Band)												
Part 24E												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
1860 1880 2630 2650												
20	QPSK	1	0	18.60	18.56	18.38						
20	QPSK	1	49	18.49	18.49	18.32	19.6	0				
20	QPSK	1	99	18.49	18.41	18.24						
20	QPSK	50	0	18.34	18.24	18.13						
20	QPSK	50	24	18.34	18.16	18.13	19.6	0				
20	QPSK	50	50	18.27	18.15	18.08						
20	QPSK	100	0	18.31	18.22	18.15						
20	16QAM	1	0	18.31	18.15	18.10						
20	16QAM	1	49	18.19	18.20	18.06	19.6	0				
20	16QAM	1	99	18.12	18.05	17.93						
20	16QAM	50	0	18.12	18.02	17.90						
20	16QAM	50	24	18.08	18.00	17.92	19.6	0				
20	16QAM	50	50	18.02	17.92	17.87						
20	16QAM	100	0	18.06	17.97	17.92						
20	64QAM	1	0	18.11	18.10	18.06						
20	64QAM	1	49	18.16	18.00	17.86	19.6	0				
20	64QAM	1	99	17.97	17.90	17.83						
20	64QAM	50	0	18.10	18.04	17.92						
20	64QAM	50	24	18.12	18.03	17.92	19.6	0				
20	64QAM	50	50	18.05	17.98	17.86						
20	64QAM	100	0	18.08	17.98	17.90						
Channel												
2611.5 26340 26615												
Frequency (MHz)												
1867.5 1880 1907.5												
15	QPSK	1	0	18.57	18.54	18.32						
15	QPSK	1	49	18.39	18.43	18.24	19.6	0				
15	QPSK	1	74	18.48	18.37	18.16						
15	QPSK	36	0	18.35	18.19	18.07						
15	QPSK	36	20	18.26	18.17	18.09	19.6	0				
15	QPSK	36	39	18.28	18.07	17.99						
15	QPSK	75	0	18.24	18.17	18.11						
15	16QAM	1	0	18.52	18.06	17.98	19.6	0				
15	16QAM	1	37	18.19	18.20	18.07						
15	16QAM	1	74	18.10	17.96	17.94						
15	16QAM	36	0	18.13	18.01	17.89						
15	16QAM	36	20	18.02	17.96	17.91	19.6	0				
15	16QAM	36	39	17.96	17.91	17.86						
15	16QAM	75	0	17.97	17.90	17.83						
15	64QAM	1	0	18.11	18.08	18.02	19.6	0				
15	64QAM	1	37	18.10	17.91	17.81						
15	64QAM	1	74	17.88	17.84	17.81						
15	64QAM	36	0	18.04	18.03	17.84						
15	64QAM	36	20	18.07	17.95	17.85	19.6	0				
15	64QAM	36	39	17.95	17.96	17.80						
15	64QAM	75	0	18.01	17.90	17.80						
Channel												
2609.0 26340 26540												
Frequency (MHz)												
1855 1880 1910												
10	QPSK	1	0	18.55	18.49	18.34						
10	QPSK	1	25	18.50	18.50	18.23	19.6	0				
10	QPSK	1	49	18.47	18.41	18.15						
10	QPSK	25	0	18.25	18.19	18.08						
10	QPSK	25	12	18.21	18.20	18.07	19.6	0				
10	QPSK	25	25	18.18	18.07	17.98						
10	QPSK	50	0	18.32	18.17	18.09						
10	16QAM	1	0	18.25	18.11	18.00	19.6	0				
10	16QAM	1	25	18.19	18.19	18.05						
10	16QAM	1	49	18.07	18.05	17.89						
10	16QAM	25	0	18.03	18.02	17.81	19.6	0				
10	16QAM	25	12	18.03	17.98	17.91						
10	16QAM	25	25	18.00	17.82	17.80						
10	16QAM	50	0	18.06	17.95	17.82						
10	64QAM	1	0	18.04	18.01	18.01	19.6	0				
10	64QAM	1	25	18.12	17.97	17.87						
10	64QAM	1	49	17.95	17.84	17.73						
10	64QAM	25	0	18.01	17.97	17.87	19.6	0				
10	64QAM	25	12	18.03	17.96	17.85						
10	64QAM	25	25	18.03	17.97	17.86						
10	64QAM	50	0	18.01	17.91	17.89						
Channel												
2606.5 26340 2666.5												
Frequency (MHz)												
1852.5 1880 1912.5												
5	QPSK	1	0	18.54	18.57	18.34						
5	QPSK	1	12	18.43	18.45	18.31	19.6	0				
5	QPSK	1	24	18.50	18.42	18.15						
5	QPSK	12	0	18.33	18.24	18.05						
5	QPSK	12	7	18.30	18.09	18.13	19.6	0				
5	QPSK	12	13	18.22	18.11	18.06						
5	QPSK	25	0	18.23	18.18	18.05						
5	16QAM	1	0	18.28	18.13	18.00	19.6	0				
5	16QAM	1	12	18.14	18.21	17.96						
5	16QAM	1	24	18.11	17.96	17.88						
5	16QAM	12	0	18.05	17.92	17.82	19.6	0				
5	16QAM	12	7	18.05	17.92	17.84						
5	16QAM	12	13	18.01	17.82	17.79						
5	16QAM	25	0	18.01	17.89	17.83						
5	64QAM	1	0	18.10	18.02	18.03	19.6	0				
5	64QAM	1	12	18.15	17.95	17.80						
5	64QAM	1	24	17.97	17.88	17.83						
5	64QAM	12	0	18.02	17.97	17.83	19.6	0				
5	64QAM	12	7	18.13	17.96	17.83						
5	64QAM	12	13	18.06	17.91	17.76						
5	64QAM	25	0	17.99	17.90	17.84						
Channel												
2605.5 26340 2667.5												
Frequency (MHz)												
1851.5 1880 1913.5												
3	QPSK	1	0	18.59	18.54	18.31						
3	QPSK	1	8	18.41	18.43	18.31	19.6	0				
3	QPSK	1	14	18.43	18.32	18.14						
3	QPSK	8	0	18.28	18.18	18.11						
3	QPSK	8	4	18.25	18.16	18.04	19.6	0				
3	QPSK	8	7	18.22	18.12	18.07						
3	QPSK	15	0	18.21	18.13	18.13						
3	16QAM	1	0	18.32	18.05	18.03						
3	16QAM	1	8	18.19	18.21	18.06	19.6	0				
3	16QAM	1	14	18.02	18.00	17.85						
3	16QAM	8	0	18.02	17.97	17.86						
3	16QAM	8	4	18.01	17.98	17.86	19.6	0				
3	16QAM	8	7	17.93	17.93	17.79						
3	16QAM	15	0	18.03	17.92	17.88						
3	64QAM	1	0	18.12	18.09	18.05						
3	64QAM	1	8	18.13	17.94	17.83	19.6	0				
3	64QAM	1	14	17.94	17.83	17.75						
3	64QAM	8	0	18.07	17.95	17.92						
3	64QAM	8	4	18.11	17.93	17.89	19.6	0				
3	64QAM	8	7	18.02	17.98	17.79						
3	64QAM	15	0	18.02	17.92	17.82						
Channel												
26047 26340 26683												
Frequency (MHz)												
1850.7 1880 1914.3												
1.4	QPSK	1	0	18.51	18.53	18.29						
1.4	QPSK	1	3	18.50	18.48	18.28	19.6	0				
1.4	QPSK	1	5	18.39	18.32	18.25						
1.4	QPSK	3	0	18.29	18.20	18.05						
1.4	QPSK	3	1	18.21	18.09	18.11	19.6	0				
1.4	QPSK	3	3	18.23	18.11	18.05						
1.4	QPSK	6	0	18.32	18.13	18.14						
1.4	16QAM	1	0	18.21	18.13	18.07	19.6	0				
1.4	16QAM	1	3	18.14	18.10	18.01						
1.4	16QAM	1	5	18.08	18.06	17.86						
1.4	16QAM	3	0	18.03	17.99	17.81	19.6	0				
1.4	16QAM	3	1	17.99	17.96	17.82						
1.4	16QAM	3	3	17.93	17.83	17.87						
1												

Band 41 (2.6G Band)-HPUE													
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)	MPR (dB)			
Channel				39750	40188	40620	41065	41490					
Frequency (MHz)				2506	2549.5	2593	2636.5	2680					
20	QPSK	1	0	24.55	24.79	24.78	24.94	25.05	25.6	0			
20	QPSK	1	49	24.53	24.84	24.77	24.95	25.03					
20	QPSK	1	99	24.59	24.93	24.91	25.30	25.07					
20	QPSK	50	0	24.68	24.95	24.98	25.22	25.19					
20	QPSK	50	24	24.77	25.10	24.93	25.32	25.21					
20	QPSK	50	50	24.78	25.14	25.02	25.25	25.24	25.6	0			
20	QPSK	100	0	24.73	25.08	24.98	25.29	25.19					
20	16QAM	1	0	24.48	24.61	24.67	24.60	24.63					
20	16QAM	1	49	24.43	24.60	24.66	24.47	24.49					
20	16QAM	1	99	24.42	24.73	24.74	24.64	24.60					
20	16QAM	50	0	23.32	23.48	23.51	23.40	23.33	25	0.6			
20	16QAM	50	24	23.35	23.54	23.53	23.46	23.37					
20	16QAM	50	50	23.34	23.51	23.57	23.31	23.44					
20	16QAM	100	0	23.33	23.62	23.43	23.45	23.32					
20	64QAM	1	0	24.27	24.41	24.60	24.45	24.40					
20	64QAM	1	49	24.34	24.45	24.42	24.32	24.51	25	0.6			
20	64QAM	1	99	24.34	24.50	24.53	24.35	24.44					
20	64QAM	50	0	23.16	23.43	23.39	23.37	23.23					
20	64QAM	50	24	23.29	23.50	23.38	23.35	23.30					
20	64QAM	50	50	23.24	23.47	23.59	23.29	23.32					
20	64QAM	100	0	23.38	23.64	23.53	23.47	23.35	24	1.6			
Channel				39725	40173	40620	41068	41515			Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5					
15	QPSK	1	0	24.53	24.74	24.77	24.94	25.02	25.6	0			
15	QPSK	1	37	24.45	24.75	24.74	24.97	24.83					
15	QPSK	1	74	24.56	24.90	24.86	25.29	25.08					
15	QPSK	36	0	24.65	24.88	24.89	25.14	25.20					
15	QPSK	36	20	24.74	25.05	24.93	25.17	25.14					
15	QPSK	36	36	24.76	25.11	24.99	25.25	25.19	25.6	0			
15	QPSK	75	0	24.67	25.03	24.99	25.21	25.17					
15	16QAM	1	0	24.45	24.63	24.71	24.65	24.63					
15	16QAM	1	37	24.40	24.63	24.61	24.40	24.48					
15	16QAM	1	74	24.46	24.68	24.75	24.62	24.60					
15	16QAM	36	0	23.27	23.44	23.42	23.38	23.35	25	0.6			
15	16QAM	36	20	23.33	23.58	23.45	23.41	23.36					
15	16QAM	36	36	23.39	23.59	23.62	23.40	23.44					
15	16QAM	75	0	23.42	23.62	23.41	23.37	23.34					
15	64QAM	1	0	24.26	24.49	24.54	24.40	24.31					
15	64QAM	1	37	24.27	24.53	24.47	24.39	24.41	25	0.6			
15	64QAM	1	74	24.37	24.56	24.60	24.33	24.45					
15	64QAM	36	0	23.21	23.42	23.44	23.38	23.23					
15	64QAM	36	20	23.37	23.46	23.42	23.35	23.26					
15	64QAM	36	36	23.25	23.47	23.48	23.29	23.38					
15	64QAM	75	0	23.37	23.67	23.52	23.45	23.33	24	1.6			
Channel				39700	40160	40620	41080	41540			Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685					
10	QPSK	1	0	24.48	24.69	24.72	24.85	25.00	25.6	0			
10	QPSK	1	25	24.47	24.77	24.75	24.88	24.90					
10	QPSK	1	49	24.59	24.93	24.92	25.25	24.99					
10	QPSK	25	0	24.60	24.85	24.90	25.14	25.15					
10	QPSK	25	12	24.69	25.00	24.84	25.15	25.13					
10	QPSK	25	25	24.71	25.11	24.97	25.15	25.20	25.6	0			
10	QPSK	50	0	24.70	25.02	24.99	25.14	25.16					
10	16QAM	1	0	24.44	24.65	24.66	24.62	24.57					
10	16QAM	1	25	24.48	24.66	24.61	24.44	24.49					
10	16QAM	1	49	24.44	24.70	24.70	24.56	24.61					
10	16QAM	25	0	23.23	23.49	23.48	23.40	23.25	25	0.6			
10	16QAM	25	12	23.34	23.51	23.53	23.39	23.34					
10	16QAM	25	25	23.42	23.51	23.57	23.33	23.38					
10	16QAM	50	0	23.43	23.55	23.46	23.41	23.33					
10	64QAM	1	0	24.31	24.48	24.53	24.42	24.40					
10	64QAM	1	25	24.25	24.46	24.45	24.29	24.45	25	0.6			
10	64QAM	1	49	24.32	24.53	24.52	24.40	24.47					
10	64QAM	25	0	23.22	23.47	23.40	23.39	23.29					
10	64QAM	25	12	23.37	23.56	23.47	23.35	23.31					
10	64QAM	25	25	23.27	23.57	23.56	23.25	23.32					
10	64QAM	50	0	23.43	23.66	23.56	23.41	23.43	24	1.6			
Channel				39675	40148	40620	41093	41565			Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.0	2687.5					
5	QPSK	1	0	24.52	24.70	24.74	24.87	24.96	25.6	0			
5	QPSK	1	12	24.44	24.74	24.75	24.85	24.92					
5	QPSK	1	24	24.50	24.92	24.83	25.26	25.00					
5	QPSK	12	0	24.65	24.91	24.92	25.22	25.13					
5	QPSK	12	7	24.68	25.11	24.94	25.16	25.21					
5	QPSK	12	13	24.74	25.05	24.92	25.24	25.25	25.6	0			
5	QPSK	25	0	24.69	25.00	24.99	25.10	25.13					
5	16QAM	1	0	24.53	24.59	24.74	24.66	24.55					
5	16QAM	1	12	24.46	24.64	24.69	24.42	24.49					
5	16QAM	1	24	24.50	24.74	24.73	24.55	24.52					
5	16QAM	12	0	23.31	23.53	23.44	23.39	23.36	25	0.6			
5	16QAM	12	7	23.39	23.49	23.52	23.38	23.31					
5	16QAM	12	13	23.43	23.51	23.56	23.32	23.41					
5	16QAM	25	0	23.40	23.58	23.51	23.40	23.39					
5	64QAM	1	0	24.32	24.48	24.59	24.39	24.41					
5	64QAM	1	12	24.28	24.46	24.51	24.28	24.51	25	0.6			
5	64QAM	1	24	24.38	24.49	24.51	24.41	24.49					
5	64QAM	12	0	23.17	23.39	23.45	23.36	23.29					
5	64QAM	12	7	23.30	23.49	23.47	23.35	23.29					
5	64QAM	12	13	23.29	23.53	23.48	23.32	23.33					
5	64QAM	25	0	23.40	23.61	23.49	23.49	23.33	24	1.6			

Band 12 (700MHz Low Band) Part 27F(only on channel required) (DS13,DS14,DIS6)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23060	23095	23130	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	22.62	22.64	22.58	24	0	
10	QPSK	1	25	22.63	22.66	22.61			
10	QPSK	1	49	22.70	22.71	22.65			
10	QPSK	25	0	21.85	21.86	21.82			
10	QPSK	25	12	21.95	21.97	21.93	23	1	
10	QPSK	25	25	21.95	21.99	21.90			
10	QPSK	50	0	21.93	21.98	21.87			
10	16QAM	1	0	22.11	22.11	22.33			
10	16QAM	1	25	22.10	22.08	22.25	23	1	
10	16QAM	1	49	22.16	22.15	22.24			
10	16QAM	25	0	20.87	20.88	20.90			
10	16QAM	25	12	20.98	20.95	21.01			
10	16QAM	25	25	20.97	21.02	20.97	22	2	
10	16QAM	50	0	20.95	20.91	20.88			
10	64QAM	1	0	20.99	21.04	21.01			
10	64QAM	1	25	21.00	21.04	20.99			
10	64QAM	1	49	21.03	21.13	21.04	21	3	
10	64QAM	25	0	19.90	19.93	19.94			
10	64QAM	25	12	20.01	19.94	20.04			
10	64QAM	25	25	20.02	20.01	20.03			
10	64QAM	50	0	19.98	19.90	19.97	Tune-up limit (dBm)	MPR (dB)	
Channel				23035	23095	23155			
Frequency (MHz)				701.5	707.5	713.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.54	22.53	22.58			
5	QPSK	1	12	22.58	22.62	22.61	24	0	
5	QPSK	1	24	22.64	22.66	22.60			
5	QPSK	12	0	21.88	21.90	21.84			
5	QPSK	12	7	21.92	21.90	21.89			
5	QPSK	12	13	21.89	21.93	21.93	23	1	
5	QPSK	25	0	21.89	21.86	21.83			
5	16QAM	1	0	22.06	22.10	22.12			
5	16QAM	1	12	22.09	22.19	22.11			
5	16QAM	1	24	22.18	22.21	22.13	22	2	
5	16QAM	12	0	20.94	20.90	20.89			
5	16QAM	12	7	20.91	20.90	20.89			
5	16QAM	12	13	20.89	20.93	20.93			
5	16QAM	25	0	20.93	20.92	20.88	22	2	
5	64QAM	1	0	20.97	20.99	21.04			
5	64QAM	1	12	21.05	21.16	21.05			
5	64QAM	1	24	21.10	21.11	21.06			
5	64QAM	12	0	19.97	19.94	19.90	21	3	
5	64QAM	12	7	20.00	19.95	19.94			
5	64QAM	12	13	19.95	19.97	19.92			
5	64QAM	25	0	19.91	19.92	19.89			
Channel				23052	23095	23155	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	22.65	22.60	22.58	24	0	
3	QPSK	1	8	22.64	22.68	22.64			
3	QPSK	1	14	22.58	22.61	22.58			
3	QPSK	8	0	21.92	21.87	21.85			
3	QPSK	8	4	21.90	21.87	21.91	23	1	
3	QPSK	8	7	21.88	21.92	21.87			
3	QPSK	15	0	21.88	21.88	21.83			
3	16QAM	1	0	22.14	22.13	22.06			
3	16QAM	1	8	22.17	22.23	22.11	23	1	
3	16QAM	1	14	22.11	22.13	22.06			
3	16QAM	8	0	20.97	20.95	20.88			
3	16QAM	8	4	20.97	20.96	20.96			
3	16QAM	8	7	20.89	20.95	20.87	22	2	
3	16QAM	15	0	20.91	20.88	20.84			
3	64QAM	1	0	21.04	21.08	20.99			
3	64QAM	1	8	21.12	21.20	21.04			
3	64QAM	1	14	21.07	21.07	21.02	22	2	
3	64QAM	8	0	19.97	19.94	19.91			
3	64QAM	8	4	19.98	19.94	19.97			
3	64QAM	8	7	19.94	19.94	19.90			
3	64QAM	15	0	19.95	19.90	19.87	Tune-up limit (dBm)	MPR (dB)	
Channel				23017	23095	23173			
Frequency (MHz)				699.7	707.5	715.3	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	22.52	22.53	22.54			
1.4	QPSK	1	3	22.57	22.61	22.52	24	0	
1.4	QPSK	1	5	22.47	22.51	22.45			
1.4	QPSK	3	0	22.57	22.54	22.55			
1.4	QPSK	3	1	22.62	22.59	22.56			
1.4	QPSK	3	3	22.57	22.57	22.54	23	1	
1.4	QPSK	6	0	21.83	21.78	21.78			
1.4	16QAM	1	0	22.09	22.02	22.04			
1.4	16QAM	1	3	22.07	22.11	22.05			
1.4	16QAM	1	5	22.02	22.04	21.96	23	1	
1.4	16QAM	3	0	21.84	21.83	21.77			
1.4	16QAM	3	1	21.88	21.85	21.80			
1.4	16QAM	3	3	21.79	21.83	21.73			
1.4	16QAM	6	0	20.86	20.87	20.85	22	2	
1.4	64QAM	1	0	20.95	20.97	20.95			
1.4	64QAM	1	3	21.02	21.01	20.97			
1.4	64QAM	1	5	20.93	20.94	20.86			
1.4	64QAM	3	0	20.99	20.96	20.99	22	2	
1.4	64QAM	3	1	21.07	21.04	20.99			
1.4	64QAM	3	3	20.97	21.01	20.91			
1.4	64QAM	6	0	19.85	19.83	19.84			

Band 13(700MHz Band) Part 27F (DS13,DS13_Sim-Tx,DS14,DS16)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				23230					
Frequency (MHz)				762					
10	QPSK	1	0		23.42		24	0	
10	QPSK	1	25		23.67				
10	QPSK	1	49		23.91				
10	QPSK	25	0		22.52				
10	QPSK	25	12		22.71		23	1	
10	QPSK	25	25		22.87				
10	QPSK	50	0		22.68				
10	16QAM	1	0		22.62				
10	16QAM	1	25		22.88		23	1	
10	16QAM	1	49		22.91				
10	16QAM	25	0		21.61				
10	16QAM	25	12		21.79				
10	16QAM	25	25		21.89		22	2	
10	16QAM	50	0		21.71				
10	64QAM	1	0		21.52				
10	64QAM	1	25		21.95				
10	64QAM	1	49		21.99		22	2	
10	64QAM	25	0		20.58				
10	64QAM	25	12		20.76				
10	64QAM	25	25		20.91				
10	64QAM	50	0		20.82		21	3	
Channel				23205	23230	23255			
Frequency (MHz)				779.5	782	784.5	Tune-up limit (dbm)	MPR (db)	
5	QPSK	1	0	23.41	23.45	23.65	24	0	
5	QPSK	1	12	23.47	23.75	23.77			
5	QPSK	1	24	23.72	23.85	23.67			
5	QPSK	12	0	22.32	22.50	22.65			
5	QPSK	12	7	22.47	22.64	22.75	23	1	
5	QPSK	12	13	22.58	22.72	22.80			
5	QPSK	25	0	22.55	22.56	22.72			
5	16QAM	1	0	22.53	22.64	22.94			
5	16QAM	1	12	22.66	22.80	22.94	23	1	
5	16QAM	1	24	22.94	22.98	22.92			
5	16QAM	12	0	21.35	21.52	21.65			
5	16QAM	12	7	21.52	21.64	21.77			
5	16QAM	12	13	21.59	21.75	21.79	22	2	
5	16QAM	25	0	21.46	21.61	21.73			
5	64QAM	1	0	21.41	21.54	21.68			
5	64QAM	1	12	21.61	21.72	21.87			
5	64QAM	1	24	21.63	21.81	21.81	22	2	
5	64QAM	12	0	20.43	20.54	20.66			
5	64QAM	12	7	20.60	20.68	20.83			
5	64QAM	12	13	20.63	20.82	20.91			
5	64QAM	25	0	20.56	20.64	20.72	21	3	

Band 48 (3.5G Band)–FCC (DS12,DS14)										
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)	MPR (dB)	
Channel				55340	55830	56150	56640			
Frequency (MHz)				3560	3609	3641	3690			
20	QPSK	1	0	22.55	22.53	22.43	22.50	24	0	
20	QPSK	1	49	22.52	22.51	22.40	22.49			
20	QPSK	1	99	22.50	22.49	22.36	22.47			
20	QPSK	50	0	21.77	21.67	21.55	21.64			
20	QPSK	50	24	21.73	21.65	21.53	21.63	23	1	
20	QPSK	50	50	21.67	21.62	21.51	21.60			
20	QPSK	100	0	21.66	21.63	21.53	21.60			
20	16QAM	1	0	21.55	21.57	21.43	21.59			
20	16QAM	1	49	21.50	21.53	21.41	21.57	23	1	
20	16QAM	1	99	21.34	21.54	21.52	21.60			
20	16QAM	50	0	20.52	20.59	20.56	20.67			
20	16QAM	50	24	20.63	20.60	20.55	20.66			
20	16QAM	50	50	20.70	20.58	20.64	20.75	22	2	
20	16QAM	100	0	20.72	20.61	20.56	20.66			
20	64QAM	1	0	20.68	20.55	20.36	20.54			
20	64QAM	1	49	20.60	20.48	20.44	20.58			
20	64QAM	1	99	20.41	20.45	20.50	20.63	22	2	
20	64QAM	50	0	19.76	19.70	19.55	19.68			
20	64QAM	50	24	19.73	19.61	19.54	19.64			
20	64QAM	50	50	19.71	19.58	19.65	19.78			
20	64QAM	100	0	19.74	19.52	19.51	19.65	21	3	
Channel				55315	55920	56160	56660			
Frequency (MHz)				3567.5	3608	3642	3692.5			
15	QPSK	1	0	22.53	22.40	22.22	22.49	24	0	
15	QPSK	1	37	22.42	22.27	22.29	22.28			
15	QPSK	1	74	22.37	22.31	22.37	22.36			
15	QPSK	36	0	21.67	21.61	21.39	21.46			
15	QPSK	36	20	21.66	21.48	21.50	21.41	23	1	
15	QPSK	36	39	21.48	21.49	21.40	21.43			
15	QPSK	75	0	21.59	21.41	21.46	21.49			
15	16QAM	1	0	21.43	21.54	21.32	21.41			
15	16QAM	1	37	21.29	21.49	21.33	21.53	23	1	
15	16QAM	1	74	21.15	21.33	21.46	21.47			
15	16QAM	36	0	20.36	20.38	20.40	20.59			
15	16QAM	36	20	20.48	20.45	20.50	20.63			
15	16QAM	36	39	20.53	20.52	20.62	20.72	22	2	
15	16QAM	75	0	20.52	20.57	20.46	20.63			
15	64QAM	1	0	20.48	20.42	20.34	20.40			
15	64QAM	1	37	20.43	20.28	20.31	20.37			
15	64QAM	1	74	20.23	20.28	20.45	20.53	22	2	
15	64QAM	36	0	19.66	19.61	19.51	19.59			
15	64QAM	36	20	19.63	19.47	19.39	19.51			
15	64QAM	36	39	19.67	19.56	19.60	19.70			
15	64QAM	75	0	19.53	19.36	19.30	19.62	21	3	
Channel				55290	55815	56165	56690			
Frequency (MHz)				3555	3607.5	3642.5	3695			
10	QPSK	1	0	22.49	22.51	22.25	22.40	24	0	
10	QPSK	1	25	22.36	22.31	22.31	22.40			
10	QPSK	1	49	22.46	22.37	22.20	22.29			
10	QPSK	25	0	21.62	21.59	21.41	21.59			
10	QPSK	25	12	21.63	21.40	21.32	21.43	23	1	
10	QPSK	25	25	21.47	21.50	21.43	21.62			
10	QPSK	50	0	21.47	21.54	21.49	21.52			
10	16QAM	1	0	21.37	21.36	21.35	21.55			
10	16QAM	1	25	21.33	21.47	21.31	21.55	23	1	
10	16QAM	1	49	21.16	21.40	21.43	21.58			
10	16QAM	25	0	20.34	20.55	20.48	20.54			
10	16QAM	25	12	20.49	20.58	20.34	20.53			
10	16QAM	25	25	20.65	20.50	20.50	20.57	22	2	
10	16QAM	50	0	20.61	20.53	20.34	20.63			
10	64QAM	1	0	20.57	20.48	20.27	20.33			
10	64QAM	1	25	20.53	20.27	20.41	20.46			
10	64QAM	1	49	20.27	20.40	20.46	20.55	22	2	
10	64QAM	25	0	19.72	19.48	19.36	19.56			
10	64QAM	25	12	19.63	19.44	19.42	19.55			
10	64QAM	25	25	19.57	19.37	19.47	19.61			
10	64QAM	50	0	19.60	19.33	19.38	19.55	21	3	
Channel				55265	55810	56170	56715			
Frequency (MHz)				3552.5	3607	3643	3697.5			
5	QPSK	1	0	22.56	22.47	22.25	22.34	24	0	
5	QPSK	1	12	22.41	22.30	22.19	22.31			
5	QPSK	1	24	22.38	22.23	22.38	22.37			
5	QPSK	12	0	21.70	21.62	21.33	21.61			
5	QPSK	12	7	21.65	21.42	21.32	21.58	23	1	
5	QPSK	12	13	21.63	21.52	21.37	21.44			
5	QPSK	25	0	21.48	21.53	21.43	21.58			
5	16QAM	1	0	21.35	21.37	21.41	21.38			
5	16QAM	1	12	21.43	21.49	21.27	21.55	23	1	
5	16QAM	1	24	21.12	21.50	21.42	21.53			
5	16QAM	12	0	20.33	20.39	20.39	20.63			
5	16QAM	12	7	20.61	20.52	20.44	20.64			
5	16QAM	12	13	20.66	20.41	20.47	20.59	22	2	
5	16QAM	25	0	20.55	20.50	20.49	20.53			
5	64QAM	1	0	20.58	20.36	20.27	20.49			
5	64QAM	1	12	20.56	20.28	20.28	20.46			
5	64QAM	1	24	20.22	20.27	20.28	20.52	22	2	
5	64QAM	12	0	19.60	19.55	19.44	19.58			
5	64QAM	12	7	19.60	19.54	19.38	19.50			
5	64QAM	12	13	19.53	19.50	19.47	19.56			
5	64QAM	25	0	19.53	19.49	19.32	19.47	21	3	

Band 12 (700MHz Low Band) Part 27F(only on channel required)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel Frequency (MHz)				700	707.5	711	23.3	0	
10	QPSK	1	0	22.35	22.38	22.28	23	0.3	
10	QPSK	1	25	22.34	22.22	22.19			
10	QPSK	1	49	22.30	22.40	22.19			
10	QPSK	25	0	22.23	22.16	22.07			
10	QPSK	25	12	22.29	22.13	22.13			
10	QPSK	25	25	22.26	22.31	22.13	23	0.3	
10	QPSK	50	0	22.26	22.29	22.11			
10	16QAM	1	0	22.24	22.16	22.08			
10	16QAM	1	25	22.09	22.13	21.94		0.3	
10	16QAM	1	49	22.07	22.11	21.94			
10	16QAM	25	0	20.91	20.90	20.80	22	1.3	
10	16QAM	25	12	21.04	20.92	20.86			
10	16QAM	25	25	20.98	20.94	20.83			
10	16QAM	50	0	20.99	20.85	20.84			
10	64QAM	1	0	21.04	21.06	20.92			
10	64QAM	1	25	21.06	20.92	20.88	22	1.3	
10	64QAM	1	49	21.06	20.90	20.90			
10	64QAM	25	0	19.99	19.93	19.86			
10	64QAM	25	12	20.06	19.91	19.91			
10	64QAM	25	25	20.00	19.97	19.83			
10	64QAM	50	0	20.03	19.85	19.87	21	2.3	
Channel				23035	23095	23155			
Frequency (MHz)				701.5	707.5	713.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.34	22.29	22.23	23.3	0	
5	QPSK	1	12	22.28	22.21	22.10			
5	QPSK	1	24	22.29	22.34	22.20			
5	QPSK	12	0	22.20	22.07	22.03			
5	QPSK	12	7	22.22	22.10	22.14			
5	QPSK	12	13	22.25	22.32	22.13	23	0.3	
5	QPSK	25	0	22.20	22.30	22.06			
5	16QAM	1	0	22.20	22.11	22.06			
5	16QAM	1	12	22.09	22.07	21.95			
5	16QAM	1	24	22.02	22.11	21.94			
5	16QAM	12	0	20.83	20.90	20.71	22	1.3	
5	16QAM	12	7	21.05	20.84	20.89			
5	16QAM	12	13	20.93	20.92	20.78			
5	16QAM	25	0	20.96	20.79	20.76			
5	64QAM	1	0	20.99	21.03	20.89			
5	64QAM	1	12	20.98	20.85	20.86	22	1.3	
5	64QAM	1	24	21.00	20.88	20.86			
5	64QAM	12	0	19.98	19.86	19.77			
5	64QAM	12	7	20.01	19.82	19.84			
5	64QAM	12	13	19.95	19.97	19.75			
5	64QAM	25	0	19.94	19.83	19.84	21	2.3	
Channel				23025	23095	23165			
Frequency (MHz)				700.5	707.5	714.5	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	22.27	22.30	22.29	23.3	0	
3	QPSK	1	8	22.33	22.22	22.10			
3	QPSK	1	14	22.24	22.37	22.16			
3	QPSK	8	0	22.22	22.14	21.98			
3	QPSK	8	4	22.24	22.10	22.14			
3	QPSK	8	7	22.25	22.28	22.05	23	0.3	
3	QPSK	15	0	22.21	22.28	22.12			
3	16QAM	1	0	22.22	22.11	22.02			
3	16QAM	1	8	22.03	22.06	21.91			
3	16QAM	1	14	22.06	22.11	21.90			
3	16QAM	8	0	20.85	20.82	20.79	22	1.3	
3	16QAM	8	4	20.97	20.92	20.81			
3	16QAM	8	7	20.92	20.91	20.78			
3	16QAM	15	0	20.92	20.76	20.79			
3	64QAM	1	0	21.05	20.98	20.87			
3	64QAM	1	8	20.97	20.86	20.98	22	1.3	
3	64QAM	1	14	21.07	20.88	20.89			
3	64QAM	8	0	19.94	19.85	19.82			
3	64QAM	8	4	20.04	19.90	19.86			
3	64QAM	8	7	19.97	19.98	19.81			
3	64QAM	15	0	19.95	19.86	19.80	21	2.3	
Channel				23017	23095	23173			
Frequency (MHz)				699.7	707.5	715.3	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	22.33	22.38	22.23	23.3	0	
1.4	QPSK	1	3	22.35	22.22	22.19			
1.4	QPSK	1	5	22.25	22.40	22.20			
1.4	QPSK	3	0	22.15	22.14	22.07			
1.4	QPSK	3	1	22.28	22.09	22.14			
1.4	QPSK	3	3	22.18	22.27	22.09	23	0.3	
1.4	QPSK	6	0	22.22	22.25	22.09			
1.4	16QAM	1	0	22.16	22.14	22.02			
1.4	16QAM	1	3	22.00	22.08	21.92			
1.4	16QAM	1	5	22.00	22.08	21.89			
1.4	16QAM	3	0	22.20	22.07	22.05	22	1.3	
1.4	16QAM	3	1	22.06	22.04	21.88			
1.4	16QAM	3	3	22.08	22.11	21.94			
1.4	16QAM	6	0	20.99	20.80	20.76			
1.4	64QAM	1	0	21.03	21.07	20.98			
1.4	64QAM	1	3	20.98	20.87	20.97	22	1.3	
1.4	64QAM	1	5	21.04	20.87	20.85			
1.4	64QAM	3	0	21.04	21.04	20.85			
1.4	64QAM	3	1	20.99	20.86	20.96			
1.4	64QAM	3	3	21.01	20.81	20.85			
1.4	64QAM	6	0	20.91	19.98	19.97	21	2.3	

Band 13(700MHz Band) Part 27F									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23230					
Frequency (MHz)				712					
10	QPSK	1	0		21.78		22.8		0
10	QPSK	1	25		21.60				
10	QPSK	1	49		21.95				
10	QPSK	25	0		21.62		22.8		0
10	QPSK	25	12		21.86				
10	QPSK	25	25		21.91				
10	QPSK	50	0		21.95		22.8		0
10	16QAM	1	0		21.71				
10	16QAM	1	25		21.81				
10	16QAM	1	49		21.56		22		0.8
10	16QAM	25	0		20.86				
10	16QAM	25	12		21.09				
10	16QAM	25	25		21.35		22		0.8
10	16QAM	50	0		21.12				
10	64QAM	1	0		20.67				
10	64QAM	1	25		21.26		21		1.8
10	64QAM	1	49		21.64				
10	64QAM	25	0		19.85				
10	64QAM	25	12		20.13				
10	64QAM	25	25		20.37				
10	64QAM	50	0		20.15				
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				779.5	782	784.5			
5	QPSK	1	0	21.33	21.60	21.90	22.8		0
5	QPSK	1	12	21.60	21.93	21.86			
5	QPSK	1	24	21.92	21.79	21.80			
5	QPSK	12	0	21.47	21.77	21.88	22.8		0
5	QPSK	12	7	21.75	21.92	21.84			
5	QPSK	12	13	21.84	21.80	21.76			
5	QPSK	25	0	21.82	21.89	21.78	22.8		0
5	16QAM	1	0	21.54	21.94	21.73			
5	16QAM	1	12	21.84	21.49	21.75			
5	16QAM	1	24	21.49	21.75	21.89	22		0.8
5	16QAM	12	0	20.71	21.00	21.21			
5	16QAM	12	7	20.97	21.17	21.34			
5	16QAM	12	13	21.07	21.30	21.49	22		0.8
5	16QAM	25	0	20.92	21.16	21.33			
5	64QAM	1	0	20.60	21.02	21.29			
5	64QAM	1	12	21.04	21.26	21.52	22		0.8
5	64QAM	1	24	21.28	21.49	21.64			
5	64QAM	12	0	20.02	20.27	20.52			
5	64QAM	12	7	20.00	20.20	20.40	21		1.8
5	64QAM	12	13	20.09	20.35	20.54			
5	64QAM	25	0	19.98	20.11	20.34			

Band 48 (3.5G Band)–FCC										
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)	MPR (dB)	
Channel				55340	55830	56150	56640	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3560	3609	3641	3690			
20	QPSK	1	0	15.50	15.38	15.28	15.40	16.9	0	
20	QPSK	1	49	15.38	15.30	15.22	15.41			
20	QPSK	1	99	15.42	15.33	15.26	15.43			
20	QPSK	50	0	15.48	15.38	15.14	15.46			
20	QPSK	50	24	15.39	15.39	15.23	15.46	16.9	0	
20	QPSK	50	50	15.42	15.30	15.31	15.48			
20	QPSK	100	0	15.46	15.30	15.36	15.37			
20	16QAM	1	0	15.37	15.30	15.26	15.11			
20	16QAM	1	49	15.27	15.09	15.31	15.31	16.9	0	
20	16QAM	1	99	15.19	15.26	15.06	15.32			
20	16QAM	50	0	15.14	15.31	15.32	15.31			
20	16QAM	50	24	15.28	15.31	15.31	15.38			
20	16QAM	50	50	15.32	15.27	15.28	15.30	16.9	0	
20	16QAM	100	0	15.38	15.34	15.03	15.31			
20	64QAM	1	0	15.42	15.26	15.26	14.97			
20	64QAM	1	49	15.30	15.22	15.02	15.12			
20	64QAM	1	99	15.38	15.26	15.36	15.19	16.9	0	
20	64QAM	50	0	15.28	15.20	15.14	15.40			
20	64QAM	50	24	15.32	15.30	15.11	15.13			
20	64QAM	50	50	15.36	15.09	15.13	15.36			
20	64QAM	100	0	15.35	15.31	15.37	15.32	16.9	0	
Channel				55315	55820	56160	56665			
Frequency (MHz)				3557.5	3608	3642	3692.5			
15	QPSK	1	0	15.41	15.31	15.24	15.32	16.9	0	
15	QPSK	1	37	15.35	15.22	15.18	15.39			
15	QPSK	1	74	15.42	15.24	15.27	15.40			
15	QPSK	36	0	15.40	15.38	15.06	15.36			
15	QPSK	36	20	15.31	15.34	15.15	15.39	16.9	0	
15	QPSK	36	39	15.42	15.20	15.21	15.48			
15	QPSK	75	0	15.43	15.31	15.35	15.28			
15	16QAM	1	0	15.37	15.29	15.24	15.05			
15	16QAM	1	37	15.25	15.10	15.24	15.30	16.9	0	
15	16QAM	1	74	15.12	15.20	15.02	15.25			
15	16QAM	36	0	15.09	15.27	15.30	15.22			
15	16QAM	36	20	15.19	15.24	15.25	15.29			
15	16QAM	36	39	15.25	15.17	15.23	15.29	16.9	0	
15	16QAM	75	0	15.38	15.35	14.97	15.29			
15	64QAM	1	0	15.39	15.25	15.21	14.93			
15	64QAM	1	37	15.30	15.17	15.03	15.06			
15	64QAM	1	74	15.32	15.20	15.35	15.15	16.9	0	
15	64QAM	36	0	15.27	15.17	15.04	15.37			
15	64QAM	36	20	15.30	15.27	15.09	15.08			
15	64QAM	36	39	15.36	15.09	15.05	15.37			
15	64QAM	75	0	15.27	15.31	15.28	15.28	16.9	0	
Channel				55290	55815	56165	56690			
Frequency (MHz)				3553	3597.5	3642	3695			
10	QPSK	1	0	15.34	15.31	15.21	15.30	16.9	0	
10	QPSK	1	25	15.37	15.25	15.18	15.33			
10	QPSK	1	49	15.39	15.23	15.16	15.36			
10	QPSK	25	0	15.39	15.30	15.10	15.43			
10	QPSK	25	12	15.30	15.33	15.18	15.43	16.9	0	
10	QPSK	25	25	15.43	15.28	15.22	15.46			
10	QPSK	50	0	15.42	15.23	15.30	15.37			
10	16QAM	1	0	15.35	15.20	15.23	15.07			
10	16QAM	1	25	15.21	15.04	15.23	15.28	16.9	0	
10	16QAM	1	49	15.14	15.20	14.98	15.32			
10	16QAM	25	0	15.04	15.30	15.30	15.25			
10	16QAM	25	12	15.23	15.25	15.25	15.34			
10	16QAM	25	25	15.23	15.20	15.27	15.22	16.9	0	
10	16QAM	50	0	15.37	15.24	14.95	15.28			
10	64QAM	1	0	15.38	15.16	15.27	14.93			
10	64QAM	1	25	15.30	15.22	14.93	15.13			
10	64QAM	1	49	15.34	15.19	15.27	15.09	16.9	0	
10	64QAM	25	0	15.24	15.11	15.10	15.30			
10	64QAM	25	12	15.30	15.27	15.10	15.12			
10	64QAM	25	25	15.34	15.09	15.08	15.27			
10	64QAM	50	0	15.36	15.31	15.30	15.33	16.9	0	
Channel				55265	55810	56170	56715			
Frequency (MHz)				3552.5	3597	3643	3697.5			
5	QPSK	1	0	15.40	15.37	15.22	15.39	16.9	0	
5	QPSK	1	12	15.35	15.22	15.21	15.34			
5	QPSK	1	24	15.37	15.23	15.27	15.34			
5	QPSK	12	0	15.43	15.32	15.10	15.46			
5	QPSK	12	7	15.31	15.39	15.20	15.37	16.9	0	
5	QPSK	12	13	15.33	15.28	15.31	15.39			
5	QPSK	25	0	15.45	15.27	15.27	15.37			
5	16QAM	1	0	15.37	15.28	15.18	15.12			
5	16QAM	1	12	15.28	15.00	15.22	15.24	16.9	0	
5	16QAM	1	24	15.09	15.16	15.04	15.25			
5	16QAM	12	0	15.06	15.31	15.33	15.26			
5	16QAM	12	7	15.25	15.32	15.28	15.35			
5	16QAM	12	13	15.29	15.21	15.24	15.22	16.9	0	
5	16QAM	25	0	15.29	15.30	14.94	15.29			
5	64QAM	1	0	15.35	15.23	15.16	14.91			
5	64QAM	1	12	15.24	15.13	15.00	15.03	16.9	0	
5	64QAM	1	24	15.39	15.22	15.28	15.18			
5	64QAM	12	0	15.27	15.10	15.04	15.35			
5	64QAM	12	7	15.31	15.30	15.12	15.04			
5	64QAM	12	13	15.36	15.05	15.05	15.31	16.9	0	
5	64QAM	25	0	15.26	15.27	15.37	15.28			

Band 25 (1900MHz Band) Part 24E												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				1990	1990	2005						
Frequency (MHz)				1990	1990	2005						
20	QPSK	1	0	12.73	12.71	12.57	13.6	0				
20	QPSK	1	49	12.64	12.62	12.41						
20	QPSK	1	99	12.51	12.61	12.40						
20	QPSK	50	0	12.60	12.55	12.49						
20	QPSK	50	24	12.52	12.50	12.32	13.6	0				
20	QPSK	50	50	12.58	12.56	12.37						
20	QPSK	100	0	12.58	12.52	12.45						
20	16QAM	1	0	12.47	12.57	12.62						
20	16QAM	1	49	12.39	12.43	12.34	13.6	0				
20	16QAM	1	99	12.27	12.23	12.26						
20	16QAM	50	0	12.69	12.55	12.44						
20	16QAM	50	24	12.63	12.57	12.45						
20	16QAM	50	50	12.50	12.47	12.32	13.6	0				
20	16QAM	100	0	12.58	12.59	12.47						
20	64QAM	1	0	12.63	12.63	12.68						
20	64QAM	1	49	12.62	12.54	12.61	13.6	0				
20	64QAM	1	99	12.39	12.33	12.28						
20	64QAM	50	0	12.70	12.68	12.54						
20	64QAM	50	24	12.68	12.67	12.25						
20	64QAM	50	50	12.65	12.56	12.03	13.6	0				
20	64QAM	100	0	12.68	12.64	12.21						
Channel				2611.5	26340	26615	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1857.5	1880	1907.5						
15	QPSK	1	0	12.63	12.61	12.51	13.6	0				
15	QPSK	1	37	12.58	12.55	12.38						
15	QPSK	1	74	12.52	12.55	12.37						
15	QPSK	36	0	12.55	12.53	12.40						
15	QPSK	36	20	12.49	12.50	12.27	13.6	0				
15	QPSK	36	39	12.53	12.48	12.29						
15	QPSK	75	0	12.51	12.44	12.44						
15	16QAM	1	0	12.43	12.56	12.63						
15	16QAM	1	37	12.38	12.41	12.39	13.6	0				
15	16QAM	1	74	12.26	12.13	12.25						
15	16QAM	36	0	12.62	12.51	12.34						
15	16QAM	36	20	12.56	12.55	12.42						
15	16QAM	36	39	12.43	12.48	12.33	13.6	0				
15	16QAM	75	0	12.50	12.49	12.42						
15	64QAM	1	0	12.57	12.59	12.68						
15	64QAM	1	37	12.52	12.48	12.56						
15	64QAM	1	74	12.37	12.33	12.18	13.6	0				
15	64QAM	36	0	12.67	12.66	12.52						
15	64QAM	36	20	12.64	12.66	12.17						
15	64QAM	36	39	12.66	12.46	12.01						
15	64QAM	75	0	12.58	12.54	12.14	13.6	0				
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1855	1880	1910						
10	QPSK	1	0	12.63	12.67	12.49	13.6	0				
10	QPSK	1	25	12.60	12.62	12.35						
10	QPSK	1	49	12.50	12.57	12.35						
10	QPSK	25	0	12.54	12.54	12.40						
10	QPSK	25	12	12.49	12.46	12.34	13.6	0				
10	QPSK	25	25	12.48	12.56	12.38						
10	QPSK	50	0	12.52	12.47	12.46						
10	16QAM	1	0	12.40	12.48	12.62						
10	16QAM	1	25	12.35	12.39	12.34	13.6	0				
10	16QAM	1	49	12.21	12.22	12.16						
10	16QAM	25	0	12.67	12.45	12.37						
10	16QAM	25	12	12.58	12.54	12.38						
10	16QAM	25	25	12.46	12.39	12.24	13.6	0				
10	16QAM	50	0	12.50	12.51	12.44						
10	64QAM	1	0	12.56	12.60	12.65						
10	64QAM	1	25	12.61	12.46	12.61						
10	64QAM	1	49	12.37	12.32	12.19	13.6	0				
10	64QAM	25	0	12.60	12.63	12.52						
10	64QAM	25	12	12.65	12.58	12.16						
10	64QAM	25	25	12.62	12.50	12.03						
10	64QAM	50	0	12.63	12.58	12.22	13.6	0				
Channel				26065	26340	26665	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1852.5	1880	1912.5						
5	QPSK	1	0	12.66	12.62	12.51	13.6	0				
5	QPSK	1	12	12.54	12.61	12.38						
5	QPSK	1	24	12.43	12.56	12.41						
5	QPSK	12	0	12.57	12.53	12.48						
5	QPSK	12	7	12.48	12.47	12.27	13.6	0				
5	QPSK	12	13	12.52	12.50	12.34						
5	QPSK	25	0	12.54	12.52	12.45						
5	16QAM	1	0	12.43	12.53	12.63						
5	16QAM	1	12	12.38	12.36	12.31	13.6	0				
5	16QAM	1	24	12.19	12.23	12.22						
5	16QAM	12	0	12.62	12.47	12.34						
5	16QAM	12	7	12.59	12.54	12.46						
5	16QAM	12	13	12.40	12.44	12.28	13.6	0				
5	16QAM	25	0	12.54	12.60	12.45						
5	64QAM	1	0	12.53	12.61	12.65						
5	64QAM	1	12	12.55	12.50	12.54						
5	64QAM	1	24	12.36	12.31	12.18	13.6	0				
5	64QAM	12	0	12.67	12.64	12.49						
5	64QAM	12	7	12.59	12.58	12.25						
5	64QAM	12	13	12.64	12.46	11.93						
5	64QAM	25	0	12.58	12.50	12.19	13.6	0				
Channel				26055	26340	26575	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1851.5	1880	1913.5						
3	QPSK	1	0	12.69	12.63	12.48	13.6	0				
3	QPSK	1	8	12.54	12.53	12.32						
3	QPSK	1	14	12.43	12.54	12.37						
3	QPSK	8	0	12.54	12.52	12.48						
3	QPSK	8	4	12.47	12.51	12.23	13.6	0				
3	QPSK	8	7	12.53	12.52	12.36						
3	QPSK	15	0	12.53	12.43	12.40						
3	16QAM	1	0	12.40	12.48	12.58						
3	16QAM	1	8	12.38	12.40	12.24	13.6	0				
3	16QAM	1	14	12.22	12.15	12.23						
3	16QAM	8	0	12.59	12.45	12.41						
3	16QAM	8	4	12.62	12.51	12.38						
3	16QAM	8	7	12.45	12.38	12.26	13.6	0				
3	16QAM	15	0	12.56	12.52	12.45						
3	64QAM	1	0	12.64	12.53	12.68						
3	64QAM	1	8	12.59	12.54	12.57						
3	64QAM	1	14	12.30	12.26	12.22	13.6	0				
3	64QAM	8	0	12.65	12.68	12.44						
3	64QAM	8	4	12.64	12.64	12.17						
3	64QAM	8	7	12.55	12.53	12.02						

Band 66												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit [dBm]	MPR [dB]				
Channel				132072	132322	132572						
Frequency (MHz)				1720	1745	1770						
20	QPSK	1	0	14.54	14.70	14.89	15.6	0				
20	QPSK	1	49	14.47	14.70	14.67						
20	QPSK	1	99	14.28	14.74	14.84						
20	QPSK	50	0	14.38	14.73	14.51	15.6	0				
20	QPSK	50	24	14.44	14.76	14.61						
20	QPSK	50	50	14.26	14.69	14.58						
20	QPSK	100	0	14.43	14.76	14.45	15.6	0				
20	16QAM	1	0	14.33	14.58	14.68						
20	16QAM	1	49	14.46	14.65	14.59						
20	16QAM	1	99	14.20	14.51	14.27	15.6	0				
20	16QAM	50	0	14.39	14.75	14.58						
20	16QAM	50	24	14.43	14.73	14.61						
20	16QAM	50	50	14.38	14.63	14.63	15.6	0				
20	16QAM	100	0	14.43	14.74	14.47						
20	64QAM	1	0	14.62	14.48	14.29						
20	64QAM	1	49	14.69	14.49	14.33	15.6	0				
20	64QAM	1	99	14.70	14.37	14.38						
20	64QAM	50	0	14.55	14.63	14.56						
20	64QAM	50	24	14.60	14.75	14.68	15.6	0				
20	64QAM	50	50	14.59	14.60	14.66						
20	64QAM	100	0	14.66	14.71	14.51						
Channel				132047	132322	132597	Tune-up limit [dBm]	MPR [dB]				
Frequency (MHz)				1717.5	1745	1772.5						
15	QPSK	1	0	14.48	14.69	14.66	15.6	0				
15	QPSK	1	37	14.46	14.63	14.59						
15	QPSK	1	74	14.28	14.71	14.56						
15	QPSK	36	0	14.28	14.67	14.47	15.6	0				
15	QPSK	36	20	14.43	14.72	14.62						
15	QPSK	36	39	14.19	14.68	14.57						
15	QPSK	75	0	14.33	14.76	14.45	15.6	0				
15	16QAM	1	0	14.23	14.57	14.60						
15	16QAM	1	37	14.42	14.61	14.54						
15	16QAM	1	74	14.15	14.48	14.19	15.6	0				
15	16QAM	36	0	14.38	14.67	14.51						
15	16QAM	36	20	14.36	14.64	14.57						
15	16QAM	36	39	14.37	14.61	14.57	15.6	0				
15	16QAM	75	0	14.37	14.67	14.45						
15	64QAM	1	0	14.59	14.46	14.19						
15	64QAM	1	37	14.59	14.44	14.29	15.6	0				
15	64QAM	1	74	14.64	14.35	14.31						
15	64QAM	36	0	14.50	14.60	14.46						
15	64QAM	36	20	14.57	14.75	14.69	15.6	0				
15	64QAM	36	39	14.54	14.52	14.63						
15	64QAM	75	0	14.57	14.62	14.49						
Channel				132022	132322	132622	Tune-up limit [dBm]	MPR [dB]				
Frequency (MHz)				1715	1745	1775						
10	QPSK	1	0	14.55	14.76	14.66	15.6	0				
10	QPSK	1	25	14.45	14.66	14.67						
10	QPSK	1	49	14.25	14.68	14.54						
10	QPSK	25	0	14.38	14.66	14.44	15.6	0				
10	QPSK	25	12	14.39	14.70	14.61						
10	QPSK	25	25	14.16	14.62	14.52						
10	QPSK	50	0	14.39	14.76	14.43	15.6	0				
10	16QAM	1	0	14.25	14.58	14.67						
10	16QAM	1	25	14.43	14.63	14.54						
10	16QAM	1	49	14.14	14.45	14.24	15.6	0				
10	16QAM	25	0	14.35	14.70	14.50						
10	16QAM	25	12	14.44	14.69	14.57						
10	16QAM	25	25	14.28	14.53	14.56	15.6	0				
10	16QAM	50	0	14.35	14.65	14.37						
10	64QAM	1	0	14.52	14.49	14.29						
10	64QAM	1	25	14.60	14.49	14.25	15.6	0				
10	64QAM	1	49	14.65	14.35	14.30						
10	64QAM	25	0	14.53	14.58	14.51						
10	64QAM	25	12	14.50	14.68	14.64	15.6	0				
10	64QAM	25	25	14.53	14.55	14.66						
10	64QAM	50	0	14.57	14.65	14.51						
Channel				131997	132322	132647	Tune-up limit [dBm]	MPR [dB]				
Frequency (MHz)				1712.5	1745	1777.5						
5	QPSK	1	0	14.45	14.69	14.63	15.6	0				
5	QPSK	1	12	14.42	14.67	14.67						
5	QPSK	1	24	14.21	14.72	14.57						
5	QPSK	12	0	14.28	14.71	14.52	15.6	0				
5	QPSK	12	7	14.36	14.73	14.58						
5	QPSK	12	13	14.22	14.68	14.56						
5	QPSK	25	0	14.40	14.72	14.37	15.6	0				
5	16QAM	1	0	14.33	14.52	14.64						
5	16QAM	1	12	14.47	14.57	14.59						
5	16QAM	1	24	14.16	14.50	14.20	15.6	0				
5	16QAM	12	0	14.32	14.75	14.52						
5	16QAM	12	7	14.39	14.63	14.61						
5	16QAM	12	13	14.37	14.58	14.59	15.6	0				
5	16QAM	25	0	14.38	14.64	14.48						
5	64QAM	1	0	14.55	14.40	14.25						
5	64QAM	1	12	14.61	14.42	14.28	15.6	0				
5	64QAM	1	24	14.61	14.30	14.32						
5	64QAM	12	0	14.53	14.55	14.51						
5	64QAM	12	7	14.59	14.74	14.60	15.6	0				
5	64QAM	12	13	14.60	14.59	14.64						
5	64QAM	25	0	14.57	14.72	14.46						
Channel				131987	132322	132627	Tune-up limit [dBm]	MPR [dB]				
Frequency (MHz)				1711.5	1745	1776.5						
3	QPSK	1	0	14.46	14.74	14.63	15.6	0				
3	QPSK	1	8	14.43	14.61	14.66						
3	QPSK	1	14	14.25	14.67	14.55						
3	QPSK	8	0	14.32	14.69	14.50	15.6	0				
3	QPSK	8	4	14.42	14.67	14.59						
3	QPSK	8	7	14.16	14.67	14.52						
3	QPSK	15	0	14.43	14.70	14.41	15.6	0				
3	16QAM	1	0	14.27	14.58	14.58						
3	16QAM	1	8	14.37	14.55	14.51						
3	16QAM	1	14	14.16	14.45	14.20	15.6	0				
3	16QAM	8	0	14.39	14.66	14.51						
3	16QAM	8	4	14.36	14.64	14.54						
3	16QAM	8	7	14.36	14.60	14.55	15.6	0				
3	16QAM	15	0	14.43	14.71	14.40						
3	64QAM	1	0	14.63	14.46	14.28						
3	64QAM	1	8	14.61	14.43	14.27	15.6	0				
3	64QAM	1	14	14.63	14.36	14.33						
3	64QAM	8	0	14.50	14.59	14.56						
3	64QAM	8	4	14.50	14.75	14.68						

Band 48 (3.5G Band)–FCC												
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)	MPR (dB)			
Channel				55340	55830	56150	56640					
Frequency (MHz)				3560	3609	3641	3690					
20	QPSK	1	0	13.16	12.95	12.87	13.03	14.5	0			
20	QPSK	1	49	12.96	12.82	12.77	12.94					
20	QPSK	1	99	13.02	12.87	12.81	12.92	14.5	0			
20	QPSK	50	0	13.05	12.97	12.87	13.00					
20	QPSK	50	24	13.02	12.97	12.95	12.87	14.5	0			
20	QPSK	50	50	13.08	12.88	12.93	12.91					
20	QPSK	100	0	13.11	12.93	12.94	12.91	14.5	0			
20	16QAM	1	0	13.00	13.02	12.77	12.85					
20	16QAM	1	49	12.90	13.11	12.92	13.09	14.5	0			
20	16QAM	1	99	12.98	13.01	13.08	12.83					
20	16QAM	50	0	12.75	13.05	12.84	12.91	14.5	0			
20	16QAM	50	24	12.71	12.93	13.06	13.06					
20	16QAM	50	50	12.79	13.05	12.96	12.70	14.5	0			
20	16QAM	100	0	12.99	13.15	12.84	13.08					
20	64QAM	1	0	12.98	12.99	12.91	12.70	14.5	0			
20	64QAM	1	49	12.77	12.77	12.60	12.51					
20	64QAM	1	99	12.64	12.55	12.68	12.62	14.5	0			
20	64QAM	50	0	12.78	13.00	13.05	12.85					
20	64QAM	50	24	12.87	13.00	12.95	12.90	14.5	0			
20	64QAM	50	50	12.77	12.93	12.82	13.13					
20	64QAM	100	0	12.89	12.96	12.94	12.92	Tune-up limit (dBm)	MPR (dB)			
Channel				55315	55820	56160	56665					
Frequency (MHz)				3557.5	3608	3642	3692.5					
15	QPSK	1	0	13.14	12.96	12.85	13.01	14.5	0			
15	QPSK	1	37	12.89	12.79	12.76	12.84					
15	QPSK	1	74	12.94	12.87	12.76	12.89	14.5	0			
15	QPSK	36	0	13.05	12.93	12.84	12.99					
15	QPSK	36	20	12.94	12.89	12.93	12.82	14.5	0			
15	QPSK	36	39	13.07	12.85	12.86	12.81					
15	QPSK	75	0	13.07	12.84	12.84	12.87	14.5	0			
15	16QAM	1	0	12.97	12.99	12.71	12.78					
15	16QAM	1	37	12.91	13.10	12.84	13.06	14.5	0			
15	16QAM	1	74	12.96	12.97	13.05	12.77					
15	16QAM	36	0	12.70	12.98	12.76	12.84	14.5	0			
15	16QAM	36	20	12.68	12.91	12.96	13.03					
15	16QAM	36	39	12.72	12.95	12.93	12.71	14.5	0			
15	16QAM	75	0	12.90	13.05	12.77	13.09					
15	64QAM	1	0	12.91	12.94	12.85	12.63	14.5	0			
15	64QAM	1	37	12.72	12.70	12.50	12.58					
15	64QAM	1	74	12.57	12.50	12.59	12.59	14.5	0			
15	64QAM	36	0	12.72	12.92	12.99	12.79					
15	64QAM	36	20	12.79	12.95	12.85	12.88	14.5	0			
15	64QAM	36	39	12.71	12.87	12.81	13.12					
15	64QAM	75	0	12.90	12.97	12.92	12.86	Tune-up limit (dBm)	MPR (dB)			
Channel				55290	55815	56165	56690					
Frequency (MHz)				3555.5	3607.5	3642.5	3693					
10	QPSK	1	0	13.10	12.89	12.87	12.95	14.5	0			
10	QPSK	1	25	12.88	12.80	12.72	12.86					
10	QPSK	1	49	13.00	12.86	12.77	12.92	14.5	0			
10	QPSK	25	0	13.01	12.89	12.78	12.90					
10	QPSK	25	12	12.92	12.89	12.87	12.83	14.5	0			
10	QPSK	25	25	13.01	12.86	12.84	12.82					
10	QPSK	50	0	13.08	12.94	12.87	12.87	14.5	0			
10	16QAM	1	0	12.90	12.96	12.68	12.81					
10	16QAM	1	25	12.80	13.04	12.86	13.03	14.5	0			
10	16QAM	1	49	12.92	12.99	13.03	12.80					
10	16QAM	25	0	12.71	13.04	12.80	12.92	14.5	0			
10	16QAM	25	12	12.61	12.94	12.97	12.97					
10	16QAM	25	25	12.71	13.03	12.87	12.66	14.5	0			
10	16QAM	50	0	12.96	13.06	12.85	13.09					
10	64QAM	1	0	12.93	12.92	12.86	12.68	14.5	0			
10	64QAM	1	25	12.74	12.71	12.56	12.59					
10	64QAM	1	49	12.59	12.54	12.60	12.62	14.5	0			
10	64QAM	25	0	12.69	12.95	12.95	12.77					
10	64QAM	25	12	12.86	12.93	12.86	12.89	14.5	0			
10	64QAM	25	25	12.70	12.87	12.77	13.07					
10	64QAM	50	0	12.79	12.88	12.88	12.90	Tune-up limit (dBm)	MPR (dB)			
Channel				55265	55810	56170	56715					
Frequency (MHz)				3552.5	3607	3643	3697.5					
5	QPSK	1	0	13.08	12.92	12.78	13.01	14.5	0			
5	QPSK	1	12	12.96	12.79	12.68	12.93					
5	QPSK	1	24	12.95	12.78	12.78	12.87	14.5	0			
5	QPSK	12	0	13.05	12.94	12.80	12.94					
5	QPSK	12	7	12.96	12.97	12.89	12.81	14.5	0			
5	QPSK	12	13	13.08	12.79	12.93	12.81					
5	QPSK	25	0	13.06	12.86	12.85	12.89	14.5	0			
5	16QAM	1	0	12.97	12.95	12.67	12.83					
5	16QAM	1	12	12.83	13.02	12.84	13.03	14.5	0			
5	16QAM	1	24	12.99	13.01	12.99	12.79					
5	16QAM	12	0	12.76	13.05	12.74	12.87	14.5	0			
5	16QAM	12	7	12.71	12.87	12.99	13.07					
5	16QAM	12	13	12.73	12.98	12.88	12.63	14.5	0			
5	16QAM	25	0	13.00	13.14	12.80	13.02					
5	64QAM	1	0	12.95	12.95	12.81	12.63	14.5	0			
5	64QAM	1	12	12.77	12.79	12.59	12.56					
5	64QAM	1	24	12.59	12.51	12.65	12.54	14.5	0			
5	64QAM	12	0	12.77	12.94	13.06	12.85					
5	64QAM	12	7	12.87	12.92	12.88	12.84	14.5	0			
5	64QAM	12	13	12.78	12.84	12.81	13.04					
5	64QAM	25	0	12.79	12.94	12.85	12.85					

Band 66												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit [dBm]	MPR [dB]				
Channel				132072	132322	132572						
Frequency (MHz)				1720	1745	1770						
20	QPSK	1	0	14.54	14.70	14.89	15.6	0				
20	QPSK	1	49	14.47	14.70	14.67						
20	QPSK	1	99	14.28	14.74	14.84						
20	QPSK	50	0	14.38	14.73	14.51	15.6	0				
20	QPSK	50	24	14.44	14.76	14.61						
20	QPSK	50	50	14.26	14.69	14.58						
20	QPSK	100	0	14.43	14.76	14.45	15.6	0				
20	16QAM	1	0	14.33	14.58	14.68						
20	16QAM	1	49	14.46	14.65	14.59						
20	16QAM	1	99	14.20	14.51	14.27	15.6	0				
20	16QAM	50	0	14.39	14.75	14.58						
20	16QAM	50	24	14.43	14.73	14.61						
20	16QAM	50	50	14.38	14.63	14.63	15.6	0				
20	16QAM	100	0	14.43	14.74	14.47						
20	64QAM	1	0	14.62	14.48	14.29						
20	64QAM	1	49	14.69	14.49	14.33	15.6	0				
20	64QAM	1	99	14.70	14.37	14.38						
20	64QAM	50	0	14.55	14.63	14.56						
20	64QAM	50	24	14.60	14.75	14.68	15.6	0				
20	64QAM	50	50	14.59	14.60	14.66						
20	64QAM	100	0	14.66	14.71	14.51						
Channel				132047	132322	132597	Tune-up limit [dBm]	MPR [dB]				
Frequency (MHz)				1717.5	1745	1772.5						
15	QPSK	1	0	14.48	14.69	14.66	15.6	0				
15	QPSK	1	37	14.46	14.63	14.59						
15	QPSK	1	74	14.28	14.71	14.56						
15	QPSK	36	0	14.28	14.67	14.47	15.6	0				
15	QPSK	36	20	14.43	14.72	14.62						
15	QPSK	36	39	14.19	14.68	14.57						
15	QPSK	75	0	14.33	14.76	14.45	15.6	0				
15	16QAM	1	0	14.23	14.57	14.60						
15	16QAM	1	37	14.42	14.61	14.54						
15	16QAM	1	74	14.15	14.48	14.19	15.6	0				
15	16QAM	36	0	14.38	14.67	14.51						
15	16QAM	36	20	14.36	14.64	14.57						
15	16QAM	36	39	14.37	14.61	14.57	15.6	0				
15	16QAM	75	0	14.37	14.67	14.45						
15	64QAM	1	0	14.59	14.46	14.19						
15	64QAM	1	37	14.59	14.44	14.29	15.6	0				
15	64QAM	1	74	14.64	14.35	14.31						
15	64QAM	36	0	14.50	14.60	14.46						
15	64QAM	36	20	14.57	14.75	14.69	15.6	0				
15	64QAM	36	39	14.54	14.52	14.63						
15	64QAM	75	0	14.57	14.62	14.49						
Channel				132022	132322	132622	Tune-up limit [dBm]	MPR [dB]				
Frequency (MHz)				1715	1745	1775						
10	QPSK	1	0	14.55	14.76	14.66	15.6	0				
10	QPSK	1	25	14.45	14.66	14.67						
10	QPSK	1	49	14.25	14.68	14.54						
10	QPSK	25	0	14.38	14.66	14.44	15.6	0				
10	QPSK	25	12	14.39	14.70	14.61						
10	QPSK	25	25	14.16	14.62	14.52						
10	QPSK	50	0	14.39	14.76	14.43	15.6	0				
10	16QAM	1	0	14.25	14.58	14.67						
10	16QAM	1	25	14.43	14.63	14.54						
10	16QAM	1	49	14.14	14.45	14.24	15.6	0				
10	16QAM	25	0	14.35	14.70	14.50						
10	16QAM	25	12	14.44	14.69	14.57						
10	16QAM	25	25	14.28	14.53	14.56	15.6	0				
10	16QAM	50	0	14.35	14.65	14.37						
10	64QAM	1	0	14.52	14.49	14.29						
10	64QAM	1	25	14.60	14.49	14.25	15.6	0				
10	64QAM	1	49	14.65	14.35	14.30						
10	64QAM	25	0	14.53	14.58	14.51						
10	64QAM	25	12	14.50	14.68	14.64	15.6	0				
10	64QAM	25	25	14.53	14.55	14.66						
10	64QAM	50	0	14.57	14.65	14.51						
Channel				131997	132322	132647	Tune-up limit [dBm]	MPR [dB]				
Frequency (MHz)				1712.5	1745	1777.5						
5	QPSK	1	0	14.45	14.69	14.63	15.6	0				
5	QPSK	1	12	14.42	14.67	14.67						
5	QPSK	1	24	14.21	14.72	14.57						
5	QPSK	12	0	14.28	14.71	14.52	15.6	0				
5	QPSK	12	7	14.36	14.73	14.58						
5	QPSK	12	13	14.22	14.68	14.56						
5	QPSK	25	0	14.40	14.72	14.37	15.6	0				
5	16QAM	1	0	14.33	14.52	14.64						
5	16QAM	1	12	14.47	14.57	14.59						
5	16QAM	1	24	14.16	14.50	14.20	15.6	0				
5	16QAM	12	0	14.32	14.75	14.52						
5	16QAM	12	7	14.39	14.63	14.61						
5	16QAM	12	13	14.37	14.58	14.59	15.6	0				
5	16QAM	25	0	14.38	14.64	14.46						
5	64QAM	1	0	14.55	14.40	14.25						
5	64QAM	1	12	14.61	14.42	14.28	15.6	0				
5	64QAM	1	24	14.61	14.30	14.32						
5	64QAM	12	0	14.53	14.55	14.51						
5	64QAM	12	7	14.59	14.74	14.60	15.6	0				
5	64QAM	12	13	14.60	14.59	14.64						
5	64QAM	25	0	14.57	14.72	14.46						
Channel				131987	132322	132627	Tune-up limit [dBm]	MPR [dB]				
Frequency (MHz)				1711.5	1745	1776.5						
3	QPSK	1	0	14.46	14.74	14.63	15.6	0				
3	QPSK	1	8	14.43	14.61	14.66						
3	QPSK	1	14	14.25	14.67	14.55						
3	QPSK	8	0	14.32	14.69	14.50	15.6	0				
3	QPSK	8	4	14.42	14.67	14.59						
3	QPSK	8	7	14.16	14.67	14.52						
3	QPSK	15	0	14.43	14.70	14.41	15.6	0				
3	16QAM	1	0	14.27	14.58	14.58						
3	16QAM	1	8	14.37	14.55	14.51						
3	16QAM	1	14	14.16	14.45	14.20	15.6	0				
3	16QAM	8	0	14.39	14.66	14.51						
3	16QAM	8	4	14.36	14.64	14.54						
3	16QAM	8	7	14.36	14.60	14.55	15.6	0				
3	16QAM	15	0	14.43	14.71	14.40						
3	64QAM	1	0	14.63	14.46	14.28						
3	64QAM	1	8	14.61	14.43	14.27	15.6	0				
3	64QAM	1	14	14.63	14.36	14.33						
3	64QAM	8	0	14.50	14.59	14.56						
3	64QAM	8	4	14.50	14.75	14.68						

Band 48 (3.5G Band)–FCC												
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)	MPR (dB)			
Channel				55340	55830	56150	56640					
Frequency (MHz)				3560	3609	3641	3690					
20	QPSK	1	0	13.16	12.95	12.87	13.03	14.5	0			
20	QPSK	1	49	12.96	12.82	12.77	12.94					
20	QPSK	1	99	13.02	12.87	12.81	12.92	14.5	0			
20	QPSK	50	0	13.05	12.97	12.87	13.00					
20	QPSK	50	24	13.02	12.97	12.95	12.87	14.5	0			
20	QPSK	50	50	13.08	12.88	12.93	12.91					
20	QPSK	100	0	13.11	12.93	12.94	12.91	14.5	0			
20	16QAM	1	0	13.00	13.02	12.77	12.85					
20	16QAM	1	49	12.90	13.11	12.92	13.09	14.5	0			
20	16QAM	1	99	12.98	13.01	13.08	12.83					
20	16QAM	50	0	12.75	13.05	12.84	12.91	14.5	0			
20	16QAM	50	24	12.71	12.93	13.06	13.06					
20	16QAM	50	50	12.79	13.05	12.96	12.70	14.5	0			
20	16QAM	100	0	12.99	13.15	12.84	13.08					
20	64QAM	1	0	12.98	12.99	12.91	12.70	14.5	0			
20	64QAM	1	49	12.77	12.77	12.60	12.51					
20	64QAM	1	99	12.64	12.55	12.68	12.62	14.5	0			
20	64QAM	50	0	12.78	13.00	13.05	12.85					
20	64QAM	50	24	12.87	13.00	12.95	12.90	14.5	0			
20	64QAM	50	50	12.77	12.93	12.82	13.13					
20	64QAM	100	0	12.89	12.96	12.94	12.92	Tune-up limit (dBm)	MPR (dB)			
Channel				55315	55820	56160	56665					
Frequency (MHz)				3557.5	3608	3642	3692.5					
15	QPSK	1	0	13.14	12.96	12.85	13.01	14.5	0			
15	QPSK	1	37	12.89	12.79	12.76	12.84					
15	QPSK	1	74	12.94	12.87	12.76	12.89	14.5	0			
15	QPSK	36	0	13.05	12.93	12.84	12.99					
15	QPSK	36	20	12.94	12.89	12.93	12.82	14.5	0			
15	QPSK	36	39	13.07	12.85	12.86	12.81					
15	QPSK	75	0	13.07	12.84	12.84	12.87	14.5	0			
15	16QAM	1	0	12.97	12.99	12.71	12.78					
15	16QAM	1	37	12.91	13.10	12.84	13.06	14.5	0			
15	16QAM	1	74	12.96	12.97	13.05	12.77					
15	16QAM	36	0	12.70	12.98	12.76	12.84	14.5	0			
15	16QAM	36	20	12.68	12.91	12.96	13.03					
15	16QAM	36	39	12.72	12.95	12.93	12.71	14.5	0			
15	16QAM	75	0	12.90	13.05	12.77	13.09					
15	64QAM	1	0	12.91	12.94	12.85	12.63	14.5	0			
15	64QAM	1	37	12.72	12.70	12.50	12.58					
15	64QAM	1	74	12.57	12.50	12.59	12.59	14.5	0			
15	64QAM	36	0	12.72	12.92	12.99	12.79					
15	64QAM	36	20	12.79	12.95	12.85	12.88	14.5	0			
15	64QAM	36	39	12.71	12.87	12.81	13.12					
15	64QAM	75	0	12.90	12.97	12.92	12.86	Tune-up limit (dBm)	MPR (dB)			
Channel				55290	55815	56165	56690					
Frequency (MHz)				3555.5	3607.5	3642.5	3695.5					
10	QPSK	1	0	13.10	12.89	12.87	12.95	14.5	0			
10	QPSK	1	25	12.88	12.80	12.72	12.86					
10	QPSK	1	49	13.00	12.86	12.77	12.92	14.5	0			
10	QPSK	25	0	13.01	12.89	12.78	12.90					
10	QPSK	25	12	12.92	12.89	12.87	12.83	14.5	0			
10	QPSK	25	25	13.01	12.86	12.84	12.82					
10	QPSK	50	0	13.08	12.94	12.87	12.87	14.5	0			
10	16QAM	1	0	12.90	12.96	12.68	12.81					
10	16QAM	1	25	12.80	13.04	12.86	13.03	14.5	0			
10	16QAM	1	49	12.92	12.99	13.03	12.80					
10	16QAM	25	0	12.71	13.04	12.80	12.92	14.5	0			
10	16QAM	25	12	12.61	12.94	12.97	12.97					
10	16QAM	25	25	12.71	13.03	12.87	12.66	14.5	0			
10	16QAM	50	0	12.96	13.06	12.85	13.09					
10	64QAM	1	0	12.93	12.92	12.86	12.68	14.5	0			
10	64QAM	1	25	12.74	12.71	12.56	12.59					
10	64QAM	1	49	12.59	12.54	12.60	12.62	14.5	0			
10	64QAM	25	0	12.69	12.95	12.95	12.77					
10	64QAM	25	12	12.86	12.93	12.86	12.89	14.5	0			
10	64QAM	25	25	12.70	12.87	12.77	13.07					
10	64QAM	50	0	12.79	12.88	12.88	12.90	Tune-up limit (dBm)	MPR (dB)			
Channel				55265	55810	56170	56715					
Frequency (MHz)				3552.5	3607	3643	3697.5					
5	QPSK	1	0	13.08	12.92	12.78	13.01	14.5	0			
5	QPSK	1	12	12.96	12.79	12.68	12.93					
5	QPSK	1	24	12.95	12.78	12.78	12.87	14.5	0			
5	QPSK	12	0	13.05	12.94	12.80	12.94					
5	QPSK	12	7	12.96	12.97	12.89	12.81	14.5	0			
5	QPSK	12	13	13.08	12.79	12.93	12.81					
5	QPSK	25	0	13.06	12.86	12.85	12.89	14.5	0			
5	16QAM	1	0	12.97	12.95	12.67	12.83					
5	16QAM	1	12	12.83	13.02	12.84	13.03	14.5	0			
5	16QAM	1	24	12.99	13.01	12.99	12.79					
5	16QAM	12	0	12.76	13.05	12.74	12.87	14.5	0			
5	16QAM	12	7	12.71	12.87	12.99	13.07					
5	16QAM	12	13	12.73	12.98	12.88	12.63	14.5	0			
5	16QAM	25	0	13.00	13.14	12.80	13.02					
5	64QAM	1	0	12.95	12.95	12.81	12.63	14.5	0			
5	64QAM	1	12	12.77	12.79	12.59	12.56					
5	64QAM	1	24	12.59	12.51	12.65	12.54	14.5	0			
5	64QAM	12	0	12.77	12.94	13.06	12.85					
5	64QAM	12	7	12.87	12.92	12.88	12.84	14.5	0			
5	64QAM	12	13	12.78	12.84	12.81	13.04					
5	64QAM	25	0	12.79	12.94	12.85	12.85					

Band 48 (3.5G Band)–FCC										
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)	MPR (dB)	
Channel				55340	55830	56150	56640	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3560	3609	3641	3690			
20	QPSK	1	0	21.05	20.94	20.86	21.00	22.2	0	
20	QPSK	1	49	21.02	20.93	20.80	20.96			
20	QPSK	1	99	21.03	20.90	20.88	21.04			
20	QPSK	50	0	20.97	20.86	20.71	20.87			
20	QPSK	50	24	20.95	20.87	20.73	20.74	22.2	0	
20	QPSK	50	50	20.95	20.90	20.81	20.94			
20	QPSK	100	0	20.94	20.90	20.71	20.84			
20	16QAM	1	0	21.00	20.98	20.83	20.94			
20	16QAM	1	49	20.86	20.93	20.86	20.98	22.2	0	
20	16QAM	1	99	20.76	20.85	20.85	20.69			
20	16QAM	50	0	20.76	20.83	20.79	20.95			
20	16QAM	50	24	20.83	20.80	20.85	20.91			
20	16QAM	50	50	20.94	20.78	20.93	21.00	22	0.2	
20	16QAM	100	0	20.96	20.82	20.86	20.92			
20	64QAM	1	0	20.94	20.76	20.58	20.76			
20	64QAM	1	49	20.80	20.77	20.67	20.82			
20	64QAM	1	99	20.63	20.67	20.81	20.83	21	0.2	
20	64QAM	50	0	20.03	19.94	19.79	19.93			
20	64QAM	50	24	19.96	19.92	19.75	19.84			
20	64QAM	50	50	19.97	19.87	19.91	20.00			
20	64QAM	100	0	20.02	19.83	19.73	19.88	Tune-up limit (dBm)	MPR (dB)	
Channel				55315	55820	56160	56665			
Frequency (MHz)				3557.5	3608	3642	3692.5			
15	QPSK	1	0	21.04	20.88	20.80	20.92	22.2	0	
15	QPSK	1	37	20.93	20.88	20.74	20.86			
15	QPSK	1	74	21.01	20.84	20.86	20.98			
15	QPSK	36	0	20.89	20.87	20.68	20.79			
15	QPSK	36	20	20.91	20.81	20.74	20.64	22.2	0	
15	QPSK	36	39	20.93	20.90	20.79	20.84			
15	QPSK	75	0	20.93	20.91	20.82	20.79			
15	16QAM	1	0	20.92	20.98	20.74	20.87			
15	16QAM	1	37	20.87	20.83	20.64	20.93	22.2	0	
15	16QAM	1	74	20.76	20.85	20.85	20.63			
15	16QAM	36	0	20.78	20.87	20.81	20.94			
15	16QAM	36	20	20.92	20.91	20.77	20.86			
15	16QAM	36	39	20.94	20.89	20.93	21.02	22	0.2	
15	16QAM	75	0	20.94	20.91	20.81	20.92			
15	64QAM	1	0	20.97	20.79	20.56	20.82			
15	64QAM	1	37	20.81	20.68	20.65	20.81			
15	64QAM	1	74	20.67	20.72	20.79	20.88	21	1.2	
15	64QAM	36	0	20.07	19.93	19.82	19.93			
15	64QAM	36	20	19.97	19.87	19.76	19.85			
15	64QAM	36	39	19.96	19.81	19.90	20.08			
15	64QAM	75	0	20.02	19.73	19.75	19.91	Tune-up limit (dBm)	MPR (dB)	
Channel				55290	55815	56165	56690			
Frequency (MHz)				3553	3597.5	3642.5	3693			
10	QPSK	1	0	21.03	20.83	20.91	20.83	22.2	0	
10	QPSK	1	25	21.01	20.86	20.74	20.95			
10	QPSK	1	49	20.93	20.82	20.80	21.03			
10	QPSK	25	0	20.97	20.83	20.62	20.84			
10	QPSK	25	12	20.88	20.81	20.74	20.75	22.2	0	
10	QPSK	25	25	20.95	20.81	20.80	20.90			
10	QPSK	50	0	20.89	20.89	20.65	20.76			
10	16QAM	1	0	20.94	20.99	20.80	20.94			
10	16QAM	1	25	20.87	20.87	20.58	20.98	22.2	0	
10	16QAM	1	49	20.82	20.86	20.88	20.77			
10	16QAM	25	0	20.73	20.85	20.87	20.98			
10	16QAM	25	12	20.94	20.87	20.82	20.99			
10	16QAM	25	25	20.90	20.81	20.84	21.03	22	0.2	
10	16QAM	50	0	21.03	20.88	20.82	20.89			
10	64QAM	1	0	20.98	20.80	20.57	20.76			
10	64QAM	1	25	20.87	20.79	20.68	20.78			
10	64QAM	1	49	20.69	20.76	20.76	20.94	21	1.2	
10	64QAM	25	0	19.98	19.95	19.93	19.98			
10	64QAM	25	12	20.00	19.85	19.77	19.87			
10	64QAM	25	25	19.93	19.79	19.86	20.02			
10	64QAM	50	0	19.94	19.74	19.76	19.94	Tune-up limit (dBm)	MPR (dB)	
Channel				55265	55810	56170	56715			
Frequency (MHz)				3552.5	3597	3643	3697.5			
5	QPSK	1	0	20.96	20.87	20.85	21.01	22.2	0	
5	QPSK	1	12	20.95	20.89	20.78	20.88			
5	QPSK	1	24	20.98	20.80	20.79	21.03			
5	QPSK	12	0	20.87	20.86	20.68	20.77			
5	QPSK	12	7	20.87	20.81	20.67	20.67	22.2	0	
5	QPSK	12	13	20.91	20.89	20.75	20.88			
5	QPSK	25	0	20.93	20.89	20.61	20.84			
5	16QAM	1	0	20.97	20.89	20.74	20.86			
5	16QAM	1	12	20.86	20.93	20.66	20.96	22.2	0	
5	16QAM	1	24	20.80	20.92	20.93	20.79			
5	16QAM	12	0	20.77	20.80	20.79	20.96			
5	16QAM	12	7	20.86	20.89	20.79	20.97			
5	16QAM	12	13	20.93	20.89	20.88	20.95	22	0.2	
5	16QAM	25	0	20.99	20.84	20.85	20.93			
5	64QAM	1	0	20.88	20.78	20.62	20.81			
5	64QAM	1	12	20.82	20.79	20.72	20.67			
5	64QAM	1	24	20.70	20.70	20.78	20.87	21	1.2	
5	64QAM	12	0	20.06	19.96	19.84	19.88			
5	64QAM	12	7	19.99	19.88	19.76	19.89			
5	64QAM	12	13	20.01	19.85	19.91	20.01			
5	64QAM	25	0	20.04	19.72	19.71	19.94			

Band 48 (3.5G Band)–FCC											
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)	MPR (dB)		
Channel				55340	55830	56150	56640	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3560	3609	3641	3690				
20	QPSK	1	0	18.71	18.62	18.50	18.58	19.7	0		
20	QPSK	1	49	18.49	18.51	18.52	18.59				
20	QPSK	1	99	18.55	18.58	18.55	18.70				
20	QPSK	50	0	18.67	18.56	18.42	18.55				
20	QPSK	50	24	18.45	18.56	18.46	18.57	19.7	0		
20	QPSK	50	50	18.46	18.44	18.46	18.57				
20	QPSK	100	0	18.58	18.52	18.51	18.55				
20	16QAM	1	0	18.54	18.38	18.68	18.49	19.7	0		
20	16QAM	1	49	18.46	18.23	18.58	18.51				
20	16QAM	1	99	18.42	18.31	18.32	18.46				
20	16QAM	50	0	18.55	18.61	18.57	18.34				
20	16QAM	50	24	18.45	18.35	18.36	18.62	19.7	0		
20	16QAM	50	50	18.54	18.55	18.64	18.32				
20	16QAM	100	0	18.68	18.59	18.61	18.55				
20	64QAM	1	0	18.18	18.49	18.44	18.51	19.7	0		
20	64QAM	1	49	18.41	18.45	18.21	18.15				
20	64QAM	1	99	18.40	18.30	18.29	18.16				
20	64QAM	50	0	18.58	18.40	18.43	18.64				
20	64QAM	50	24	18.38	18.59	18.50	18.55	19.7	0		
20	64QAM	50	50	18.26	18.27	18.41	18.24				
20	64QAM	100	0	18.69	18.48	18.65	18.47				
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3557.5	3608	3642	3692.5				
15	QPSK	1	0	18.64	18.56	18.44	18.56	19.7	0		
15	QPSK	1	37	18.50	18.45	18.51	18.60				
15	QPSK	1	74	18.54	18.59	18.47	18.61				
15	QPSK	36	0	18.60	18.55	18.34	18.54				
15	QPSK	36	20	18.41	18.54	18.46	18.53	19.7	0		
15	QPSK	36	39	18.41	18.44	18.40	18.52				
15	QPSK	75	0	18.52	18.43	18.41	18.50				
15	16QAM	1	0	18.59	18.28	18.60	18.46				
15	16QAM	1	37	18.41	18.18	18.57	18.48	19.7	0		
15	16QAM	1	74	18.39	18.32	18.31	18.44				
15	16QAM	36	0	18.54	18.56	18.51	18.30				
15	16QAM	36	20	18.40	18.29	18.32	18.60				
15	16QAM	36	39	18.50	18.45	18.59	18.33	19.7	0		
15	16QAM	75	0	18.69	18.53	18.51	18.52				
15	64QAM	1	0	18.17	18.49	18.35	18.46				
15	64QAM	1	37	18.31	18.38	18.19	18.16	19.7	0		
15	64QAM	1	74	18.33	18.27	18.28	18.12				
15	64QAM	36	0	18.56	18.35	18.39	18.56				
15	64QAM	36	20	18.32	18.54	18.40	18.46				
15	64QAM	36	39	18.18	18.24	18.33	18.15	19.7	0		
15	64QAM	75	0	18.66	18.43	18.63	18.38				
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3553	3597.5	3642.5	3695				
10	QPSK	1	0	18.63	18.54	18.49	18.49	19.7	0		
10	QPSK	1	25	18.47	18.47	18.47	18.57				
10	QPSK	1	49	18.45	18.54	18.48	18.60				
10	QPSK	25	0	18.67	18.47	18.34	18.46				
10	QPSK	25	12	18.44	18.51	18.37	18.48	19.7	0		
10	QPSK	25	25	18.46	18.35	18.47	18.51				
10	QPSK	50	0	18.54	18.43	18.44	18.45				
10	16QAM	1	0	18.64	18.28	18.69	18.41				
10	16QAM	1	25	18.36	18.17	18.55	18.51	19.7	0		
10	16QAM	1	49	18.43	18.21	18.28	18.47				
10	16QAM	25	0	18.47	18.52	18.53	18.32				
10	16QAM	25	12	18.38	18.30	18.37	18.58				
10	16QAM	25	25	18.54	18.56	18.56	18.22	19.7	0		
10	16QAM	50	0	18.69	18.59	18.54	18.55				
10	64QAM	1	0	18.18	18.47	18.43	18.47				
10	64QAM	1	25	18.31	18.46	18.14	18.17	19.7	0		
10	64QAM	1	49	18.33	18.30	18.27	18.12				
10	64QAM	25	0	18.58	18.31	18.33	18.57				
10	64QAM	25	12	18.29	18.52	18.43	18.56				
10	64QAM	25	25	18.25	18.19	18.33	18.20	19.7	0		
10	64QAM	50	0	18.69	18.49	18.61	18.45				
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3552.5	3597	3643	3697.5				
5	QPSK	1	0	18.70	18.60	18.42	18.54	19.7	0		
5	QPSK	1	12	18.46	18.43	18.52	18.53				
5	QPSK	1	24	18.54	18.59	18.47	18.65				
5	QPSK	12	0	18.60	18.55	18.40	18.49				
5	QPSK	12	7	18.45	18.48	18.43	18.49	19.7	0		
5	QPSK	12	13	18.44	18.35	18.36	18.49				
5	QPSK	25	0	18.50	18.47	18.51	18.49				
5	16QAM	1	0	18.62	18.32	18.65	18.42				
5	16QAM	1	12	18.38	18.17	18.58	18.52	19.7	0		
5	16QAM	1	24	18.34	18.29	18.23	18.45				
5	16QAM	12	0	18.46	18.57	18.55	18.29				
5	16QAM	12	7	18.39	18.33	18.33	18.59				
5	16QAM	12	13	18.52	18.49	18.65	18.30	19.7	0		
5	16QAM	25	0	18.69	18.53	18.57	18.46				
5	64QAM	1	0	18.18	18.45	18.39	18.51				
5	64QAM	1	12	18.35	18.39	18.20	18.16	19.7	0		
5	64QAM	1	24	18.40	18.21	18.29	18.20				
5	64QAM	12	0	18.49	18.38	18.43	18.63				
5	64QAM	12	7	18.38	18.59	18.49	18.56				
5	64QAM	12	13	18.17	18.27	18.41	18.17	19.7	0		
5	64QAM	25	0	18.66	18.41	18.63	18.47				



PCC:Ant1			SCC:Ant2			Tune up Power (dBm)						
CA_2A-5A												
Combination 20MHz*10MHz (100RB+50RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset						
18700	20450	QPSK	1	0	1	0	21.77	16.03	23.40	22.8	18	24.0
			1	49	1	25	21.86	16.06	23.47	22.8	18	24.0
			1	99	1	49	21.81	16.22	23.47	22.8	18	24.0
			50	0	25	0	19.31	19.56	22.85	21	21	24.0
			50	24	25	12	19.37	19.76	22.98	21	21	24.0
			50	50	25	25	19.35	19.83	23.01	21	21	24.0
18900	20525	QPSK	100	0	50	0	19.31	19.69	22.91	21	21	24.0
			1	0	1	0	21.65	16.08	23.31	22.8	18	24.0
			1	49	1	25	21.76	16.06	23.40	22.8	18	24.0
			1	99	1	49	21.46	16.30	23.22	22.8	18	24.0
			50	0	25	0	19.27	19.97	23.04	21	21	24.0
			50	24	25	12	19.29	19.45	22.78	21	21	24.0
19100	20600	QPSK	50	50	25	25	19.32	19.64	22.89	21	21	24.0
			100	0	50	0	19.29	19.36	22.74	21	21	24.0
			1	0	1	0	21.34	16.07	23.07	22.8	18	24.0
			1	49	1	25	21.63	16.08	23.30	22.8	18	24.0
			1	99	1	49	21.59	16.15	23.28	22.8	18	24.0
			50	0	25	0	19.28	19.49	22.80	21	21	24.0
			50	24	25	12	19.19	19.59	22.80	21	21	24.0
			50	50	25	25	19.14	19.48	22.72	21	21	24.0
			100	0	50	0	19.28	19.56	22.83	21	21	24.0

PCC:Ant2		SCC:Ant8				Tune up Power (dBm)						
CA_2A-5A												
Combination 20MHz*10MHz (100RB*50RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset						
18700	20450	QPSK	1	0	1	0	22.48	15.25	23.23	23	17	24.0
			1	49	1	25	22.47	15.39	23.25	23	17	24.0
			1	99	1	49	22.54	15.41	23.31	23	17	24.0
			50	0	25	0	19.26	20.27	22.80	20.5	21.5	24.0
			50	24	25	12	19.38	20.51	22.99	20.5	21.5	24.0
			50	50	25	25	19.29	20.54	22.97	20.5	21.5	24.0
18900	20525	QPSK	100	0	50	0	19.13	20.30	22.76	20.5	21.5	24.0
			1	0	1	0	22.59	15.11	23.30	23	17	24.0
			1	49	1	25	22.46	15.21	23.21	23	17	24.0
			1	99	1	49	22.51	15.31	23.27	23	17	24.0
			50	0	25	0	19.03	20.57	22.88	20.5	21.5	24.0
			50	24	25	12	19.18	20.83	23.09	20.5	21.5	24.0
19100	20600	QPSK	50	50	25	25	19.32	20.94	23.22	20.5	21.5	24.0
			100	0	50	0	19.19	20.80	23.08	20.5	21.5	24.0
			1	0	1	0	22.33	15.03	23.07	23	17	24.0
			1	49	1	25	22.36	15.10	23.11	23	17	24.0
			1	99	1	49	22.18	15.02	22.94	23	17	24.0
			50	0	25	0	19.04	20.70	22.96	20.5	21.5	24.0
			50	24	25	12	18.99	20.73	22.96	20.5	21.5	24.0
			50	50	25	25	18.72	20.48	22.70	20.5	21.5	24.0
			100	0	50	0	18.91	20.63	22.86	20.5	21.5	24.0

PCC:Ant2		SCC:Ant1				Tune up Power (dBm)						
CA_5A-2A												
Combination 10MHz*20MHz (50RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune Power (dBm)
			RB Size	RB offset	RB Size	RB offset						
20450	18700	QPSK	1	0	1	0	21.98	16.69	23.11	22.8	18	24.0
			1	25	1	49	22.28	16.57	23.31	22.8	18	24.0
			1	49	1	99	22.16	16.51	23.21	22.8	18	24.0
			25	0	50	0	19.78	19.73	22.77	21	21	24.0
			25	12	50	24	19.98	19.93	22.97	21	21	24.0
			25	25	50	50	20.11	19.80	22.97	21	21	24.0
20525	18900	QPSK	50	0	100	0	19.96	19.78	22.88	21	21	24.0
			1	0	1	0	21.97	17.19	23.22	22.8	18	24.0
			1	25	1	49	22.03	17.45	23.33	22.8	18	24.0
			1	49	1	99	22.16	17.40	23.41	22.8	18	24.0
			25	0	50	0	19.85	19.76	22.82	21	21	24.0
			25	12	50	24	19.78	19.69	22.75	21	21	24.0
20600	19100	QPSK	25	25	50	50	19.87	19.82	22.76	21	21	24.0
			50	0	100	0	19.65	19.60	22.64	21	21	24.0
			1	0	1	0	21.93	16.22	22.96	22.8	18	24.0
			1	25	1	49	21.99	16.07	22.98	22.8	18	24.0
			1	49	1	99	21.68	17.03	22.96	22.8	18	24.0
			25	0	50	0	19.18	19.84	22.53	21	21	24.0
			25	12	50	24	19.38	19.67	22.54	21	21	24.0
			25	25	50	50	19.09	19.56	22.34	21	21	24.0
			50	0	100	0	19.12	19.73	22.45	21	21	24.0

PCC:Ant8		SCC:Ant2				Tune up Power (dBm)						
CA_5A-2A												
Combination 10MHz*20MHz (50RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune Power (dBm)
			RB Size	RB offset	RB Size	RB offset						
20450	18700	QPSK	1	0	1	0	21.55	16.42	22.71	22.8	18	24.0
			1	25	1	49	21.84	16.20	22.89	22.8	18	24.0
			1	49	1	99	22.09	16.33	23.11	22.8	18	24.0
			25	0	50	0	19.27	19.01	22.15	21	21	24.0
			25	12	50	24	19.37	19.12	22.26	21	21	24.0
			25	25	50	50	19.59	19.64	22.63	21	21	24.0
20525	18900	QPSK	50	0	100	0	19.43	19.08	22.27	21	21	24.0
			1	0	1	0	21.03	16.74	22.40	22.8	18	24.0
			1	25	1	49	21.49	16.11	22.60	22.8	18	24.0
			1	49	1	99	21.11	16.64	22.44	22.8	18	24.0
			25	0	50	0	19.18	19.39	22.30	21	21	24.0
			25	12	50	24	19.14	19.37	22.27	21	21	24.0
20600	19100	QPSK	25	25	50	50	19.18	19.48	22.34	21	21	24.0
			50	0	100	0	18.90	19.36	22.15	21	21	24.0
			1	0	1	0	21.83	16.61	22.97	22.8	18	24.0
			1	25	1	49	21.30	16.22	22.47	22.8	18	24.0
			1	49	1	99	21.42	16.15	22.55	22.8	18	24.0
			25	0	50	0	19.69	19.47	22.59	21	21	24.0
20600	19100	QPSK	25	12	50	24	19.65	19.23	22.46	21	21	24.0
			25	25	50	50	19.76	19.05	22.43	21	21	24.0
			50	0	100	0	19.57	19.13	22.37	21	21	24.0

PCC:Ant1			SCC:Ant2									
CA_2A-13A												
Combination 20MHz+10MHz (100RB+50RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset						
18700	23230	QPSK	1	0	1	0	22.25	16.67	23.31	23	17	24.0
			1	49	1	25	22.38	15.54	23.39	23	17	24.0
			1	99	1	49	22.20	15.80	23.10	23	17	24.0
			50	0	25	0	21.10	19.20	23.26	21.5	20.5	24.0
			50	24	25	12	20.68	18.95	22.91	21.5	20.5	24.0
			50	50	25	25	20.70	18.70	22.82	21.5	20.5	24.0
18900	23230	QPSK	100	0	50	0	20.60	18.99	22.88	21.5	20.5	24.0
			1	0	1	0	22.28	16.78	23.36	23	17	24.0
			1	49	1	25	22.25	16.60	23.30	23	17	24.0
			1	99	1	49	22.21	16.04	23.15	23	17	24.0
			50	0	25	0	20.50	19.20	22.91	21.5	20.5	24.0
			50	24	25	12	20.49	19.12	22.87	21.5	20.5	24.0
19100	23230	QPSK	50	50	25	25	20.65	18.66	22.78	21.5	20.5	24.0
			100	0	50	0	20.51	18.98	22.82	21.5	20.5	24.0
			1	0	1	0	22.41	16.40	23.38	23	17	24.0
			1	49	1	25	22.15	16.61	23.22	23	17	24.0
			1	99	1	49	22.31	15.77	23.18	23	17	24.0
			50	0	25	0	20.50	19.18	22.90	21.5	20.5	24.0
			50	24	25	12	20.68	18.97	22.92	21.5	20.5	24.0
			50	50	25	25	20.57	18.84	22.80	21.5	20.5	24.0
			100	0	50	0	20.56	19	22.86	21.5	20.5	24.0

PCC:Ant2			SCC:Ant8			Tune up Power (dBm)						
CA 2A-13A												
Combination 20MHz+10MHz (100RB+50RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune Power (dBm)
			RB Size	RB offset	RB Size	RB offset						
18700	23230	QPSK	1	0	1	0	21.62	17.49	23.04	22.8	18	24.0
			1	49	1	25	21.37	17.12	22.76	22.8	18	24.0
			1	99	1	49	21.32	17.28	22.76	22.8	18	24.0
			50	0	25	0	19.60	20.86	23.29	20.5	21.5	24.0
			50	24	25	12	19.26	21.10	23.29	20.5	21.5	24.0
			50	50	25	25	19.30	21.00	23.24	20.5	21.5	24.0
18900	23230	QPSK	100	0	50	0	19.40	20.99	23.28	20.5	21.5	24.0
			1	0	1	0	21.73	17.33	23.08	22.8	18	24.0
			1	49	1	25	21.23	17.11	22.65	22.8	18	24.0
			1	99	1	49	21.04	17.43	22.61	22.8	18	24.0
			50	0	25	0	19.45	20.90	23.25	20.5	21.5	24.0
			50	24	25	12	19.37	20.96	23.25	20.5	21.5	24.0
19100	23230	QPSK	50	50	25	25	19.31	20.90	23.19	20.5	21.5	24.0
			100	0	50	0	19.25	20.77	23.09	20.5	21.5	24.0
			1	0	1	0	21.67	17.33	23.03	22.8	18	24.0
			1	49	1	25	21.54	16.99	22.85	22.8	18	24.0
			1	99	1	49	20.84	17.05	22.36	22.8	18	24.0
			50	0	25	0	19.38	20.86	23.19	20.5	21.5	24.0
19100	23230	QPSK	50	24	25	12	19.44	20.91	23.25	20.5	21.5	24.0
			50	50	25	25	19.16	21.12	23.26	20.5	21.5	24.0
			100	0	50	0	19.45	20.87	23.23	20.5	21.5	24.0

PCC:Ant2			SCC:Ant1			Tune up Power (dBm)						
CA 13A-2A												
Combination 10MHz+20MHz (50RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset						
23230	18700	QPSK	1	0	1	0	21.95	17.58	23.30	22.8	18	24.0
			1	25	1	49	22.04	17.33	23.30	22.8	18	24.0
			1	49	1	99	21.89	17.68	23.29	22.8	18	24.0
			25	0	50	0	20.40	20.01	23.22	21.5	20.5	24.0
			25	12	50	24	20.36	20.17	23.28	21.5	20.5	24.0
			25	25	50	50	20.13	20.20	23.18	21.5	20.5	24.0
23230	18900	QPSK	50	0	100	0	20.32	20.21	23.28	21.5	20.5	24.0
			1	0	1	0	22.00	17.81	23.40	23	17	24.0
			1	25	1	49	21.93	17.83	23.36	23	17	24.0
			1	49	1	99	21.93	17.87	23.37	23	17	24.0
			25	0	50	0	20.34	20.50	23.43	21.5	20.5	24.0
			25	12	50	24	20.31	20.14	23.24	21.5	20.5	24.0
23230	19100	QPSK	25	25	50	50	20.29	20.41	23.36	21.5	20.5	24.0
			50	0	100	0	20.40	20.16	23.29	21.5	20.5	24.0
			1	0	1	0	21.90	17.13	23.15	23	17	24.0
			1	25	1	49	21.92	17.53	23.27	23	17	24.0
			1	49	1	99	21.62	17.60	23.07	23	17	24.0
			25	0	50	0	20.30	20.00	23.16	21.5	20.5	24.0
			25	12	50	24	20.54	19.88	23.23	21.5	20.5	24.0
			25	25	50	50	20.28	20.23	23.27	21.5	20.5	24.0
			50	0	100	0	20.23	19.98	23.12	21.5	20.5	24.0

PCC:Ant8		SCC:Ant2		Tune up Power (dBm)								
CA 13A-2A												
Combination 10MHz+20MHz (50RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset						
23230	18700	QPSK	1	0	1	0	21.87	15.80	22.83	23	17	24.0
			1	25	1	49	22.40	15.03	23.13	23	17	24.0
			1	49	1	99	22.53	15.18	23.26	23	17	24.0
			25	0	50	0	20.20	18.91	22.61	21.5	20.5	24.0
			25	12	50	24	20.40	19.00	22.77	21.5	20.5	24.0
			25	25	50	50	20.42	18.98	22.77	21.5	20.5	24.0
23230	18900	QPSK	50	0	100	0	20.39	18.86	22.70	21.5	20.5	24.0
			1	0	1	0	21.95	15.88	22.91	23	17	24.0
			1	25	1	49	22.38	15.10	23.12	23	17	24.0
			1	49	1	99	22.27	15.10	23.03	23	17	24.0
			25	0	50	0	20.29	18.94	22.68	21.5	20.5	24.0
			25	12	50	24	20.54	19.18	22.92	21.5	20.5	24.0
23230	19100	QPSK	25	25	50	50	20.25	19.15	22.75	21.5	20.5	24.0
			50	0	100	0	20.49	18.68	22.69	21.5	20.5	24.0
			1	0	1	0	22.14	15.85	23.06	23	17	24.0
			1	25	1	49	22.48	15.41	23.26	23	17	24.0
			1	49	1	99	22.39	15.39	23.18	23	17	24.0
			25	0	50	0	20.22	18.86	22.60	21.5	20.5	24.0
			25	12	50	24	20.25	18.86	22.62	21.5	20.5	24.0
			25	25	50	50	20.36	19.10	22.79	21.5	20.5	24.0
			50	0	100	0	20.12	18.76	22.50	21.5	20.5	24.0

PCC:Ant1		SCC:Ant2				Tune up Power (dBm)						
CA_2A-12A												
Combination 20MHz+10MHz (100RB+50RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune Power (dBm)
			RB Size	RB offset	RB Size	RB offset						
18700	23060	QPSK	1	0	1	0	22.32	15.09	23.07	23	17	24.0
			1	49	1	25	22.38	15.11	23.13	23	17	24.0
			1	99	1	49	22.35	15.19	23.11	23	17	24.0
			50	0	25	0	19.91	18.36	22.21	21.5	20.5	24.0
			50	24	25	12	20.15	18.69	22.49	21.5	20.5	24.0
			50	50	25	25	20.16	18.86	22.57	21.5	20.5	24.0
18900	23095	QPSK	100	0	50	0	20.11	18.67	22.46	21.5	20.5	24.0
			1	0	1	0	22.47	15.11	23.20	23	17	24.0
			1	49	1	25	22.45	15.08	23.18	23	17	24.0
			1	99	1	49	22.58	15.09	23.29	23	17	24.0
			50	0	25	0	20.01	18.71	22.42	21.5	20.5	24.0
			50	24	25	12	20.06	18.58	22.39	21.5	20.5	24.0
19100	23130	QPSK	50	50	25	25	20.04	19.04	22.58	21.5	20.5	24.0
			100	0	50	0	19.99	18.85	22.47	21.5	20.5	24.0
			1	0	1	0	22.45	15.07	23.18	23	17	24.0
			1	49	1	25	22.10	15.31	22.93	23	17	24.0
			1	99	1	49	22.13	15.88	23.05	23	17	24.0
			50	0	25	0	19.95	18.90	22.47	21.5	20.5	24.0
			50	24	25	12	19.80	19.10	22.47	21.5	20.5	24.0
			50	50	25	25	19.79	19.18	22.51	21.5	20.5	24.0
			100	0	50	0	19.87	19.11	22.52	21.5	20.5	24.0

PCC:Ant2		SCC:Ant1				Tune up Power (dBm)						
CA_12A-2A												
Combination 10MHz+20MHz (50RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset						
23060	18700	QPSK	1	0	1	0	20.60	17.59	22.36	22.8	18	24.0
			1	25	1	49	20.83	16.82	22.28	22.8	18	24.0
			1	49	1	99	21.44	16.60	22.67	22.8	18	24.0
			25	0	50	0	18.89	19.86	22.41	20.5	21.5	24.0
			25	12	50	24	19.07	19.84	22.48	20.5	21.5	24.0
			25	25	50	50	19.10	20.13	22.66	20.5	21.5	24.0
23095	18900	QPSK	50	0	100	0	18.84	19.91	22.42	20.5	21.5	24.0
			1	0	1	0	21.04	17.62	22.67	22.8	18	24.0
			1	25	1	49	21.10	16.64	22.43	22.8	18	24.0
			1	49	1	99	21.30	16.40	22.52	22.8	18	24.0
			25	0	50	0	18.58	19.56	22.11	20.5	21.5	24.0
			25	12	50	24	18.73	19.54	22.16	20.5	21.5	24.0
23130	19100	QPSK	25	25	50	50	18.79	19.61	22.23	20.5	21.5	24.0
			50	0	100	0	18.68	19.56	22.15	20.5	21.5	24.0
			1	0	1	0	21.07	16.06	22.26	22.8	18	24.0
			1	25	1	49	21.28	16.26	22.47	22.8	18	24.0
			1	49	1	99	21.39	16.41	22.59	22.8	18	24.0
			25	0	50	0	18.64	19.55	22.13	20.5	21.5	24.0
			25	12	50	24	18.82	19.38	22.12	20.5	21.5	24.0
			25	25	50	50	18.93	19.46	22.21	20.5	21.5	24.0
			50	0	100	0	18.75	19.38	22.09	20.5	21.5	24.0

PCC:Ant2		SCC:Ant8		Tune up Power (dBm)								
CA_2A-12A												
Combination 20MHz+10MHz (100RB+50RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset						
18700	23060	QPSK	1	0	1	0	22.28	15.02	23.03	23	17	24.0
			1	49	1	25	22.33	15.05	23.07	23	17	24.0
			1	99	1	49	22.58	15.42	23.34	23	17	24.0
			50	0	25	0	19.79	18.69	22.29	21.5	20.5	24.0
			50	24	25	12	19.86	18.87	22.40	21.5	20.5	24.0
			50	50	25	25	20.06	19.03	22.59	21.5	20.5	24.0
18900	23095	QPSK	100	0	50	0	19.92	18.90	22.45	21.5	20.5	24.0
			1	0	1	0	22.44	15.04	23.17	23	17	24.0
			1	49	1	25	22.67	15.03	23.36	23	17	24.0
			1	99	1	49	22.61	15.01	23.31	23	17	24.0
			50	0	25	0	19.97	18.78	22.43	21.5	20.5	24.0
			50	24	25	12	20.01	18.95	22.52	21.5	20.5	24.0
19100	23130	QPSK	50	50	25	25	20.13	19.29	22.74	21.5	20.5	24.0
			100	0	50	0	19.91	18.91	22.45	21.5	20.5	24.0
			1	0	1	0	22.67	15.04	23.36	23	17	24.0
			1	49	1	25	22.48	15.01	23.20	23	17	24.0
			1	99	1	49	22.34	15.70	23.19	23	17	24.0
			50	0	25	0	19.98	18.68	22.39	21.5	20.5	24.0
			50	24	25	12	19.83	19.10	22.49	21.5	20.5	24.0
			50	50	25	25	19.66	19.08	22.39	21.5	20.5	24.0
			100	0	50	0	19.84	19.12	22.51	21.5	20.5	24.0

PCC:Ant8		SCC:Ant2				Tune up Power (dBm)						
CA_12A-2A												
Combination 10MHz+20MHz (50RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset						
23060	18700	QPSK	1	0	1	0	21.16	15.51	22.21	23	17	24.0
			1	25	1	49	21.35	15.37	22.33	23	17	24.0
			1	49	1	99	21.66	15.18	22.54	23	17	24.0
			25	0	50	0	19.58	18.56	22.11	21.5	20.5	24.0
			25	12	50	24	19.66	18.64	22.19	21.5	20.5	24.0
			25	25	50	50	19.58	18.54	22.10	21.5	20.5	24.0
23095	18900	QPSK	50	0	100	0	20.23	18.52	22.47	21.5	20.5	24.0
			1	0	1	0	21.23	15.11	22.18	23	17	24.0
			1	25	1	49	21.51	15.22	22.43	23	17	24.0
			1	49	1	99	21.56	15.14	22.45	23	17	24.0
			25	0	50	0	19.55	18.80	22.20	21.5	20.5	24.0
			25	12	50	24	19.63	18.79	22.24	21.5	20.5	24.0
23130	19100	QPSK	25	25	50	50	19.54	18.92	22.25	21.5	20.5	24.0
			50	0	100	0	19.57	18.71	22.17	21.5	20.5	24.0
			1	0	1	0	20.51	15.32	21.66	23	17	24.0
			1	25	1	49	20.98	15.22	22.00	23	17	24.0
			1	49	1	99	20.83	15.05	21.85	23	17	24.0
			25	0	50	0	19.57	19.40	22.50	21.5	20.5	24.0
			25	12	50	24	19.62	19.05	22.35	21.5	20.5	24.0
			25	25	50	50	19.59	18.87	22.26	21.5	20.5	24.0
			50	0	100	0	19.55	19.08	22.33	21.5	20.5	24.0

PCC:Ant1			SCC:Ant2			Tune up Power (dBm)						
CA_4A-5A												
Combination 20MHz+10MHz (100RB+50RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune Power (dBm)
			RB Size	RB offset	RB Size	RB offset						
20050	20450	QPSK	1	0	1	0	22.00	18.86	23.16	22.8	18	24.0
			1	49	1	25	22.04	17.05	23.24	22.8	18	24.0
			1	99	1	49	21.94	17.62	23.31	22.8	18	24.0
			50	0	25	0	19.72	20.16	22.96	20.5	21.5	24.0
			50	24	25	12	19.74	20.31	23.04	20.5	21.5	24.0
			50	50	25	25	19.62	20.26	22.96	20.5	21.5	24.0
			100	0	50	0	19.66	20.27	22.99	20.5	21.5	24.0
			1	0	1	0	21.94	17.60	23.30	22.8	18	24.0
20175	20525	QPSK	1	49	1	25	21.92	16.86	23.10	22.8	18	24.0
			1	99	1	49	22.07	16.54	23.14	22.8	18	24.0
			50	0	25	0	19.52	20.20	22.88	20.5	21.5	24.0
			50	24	25	12	19.52	20.18	22.87	20.5	21.5	24.0
			50	50	25	25	19.50	20.18	22.86	20.5	21.5	24.0
			100	0	50	0	19.49	20.15	22.84	20.5	21.5	24.0
			1	0	1	0	22.22	16.65	23.28	22.8	18	24.0
			1	49	1	25	22.27	16.73	23.34	22.8	18	24.0
20300	20600	QPSK	1	99	1	49	22.14	16.40	23.17	22.8	18	24.0
			50	0	25	0	19.92	19.79	22.87	20.5	21.5	24.0
			50	24	25	12	19.98	19.77	22.89	20.5	21.5	24.0
			50	50	25	25	19.94	19.63	22.80	20.5	21.5	24.0
			100	0	50	0	19.34	20.04	22.71	20.5	21.5	24.0

PCC:Ant2		SCC:Ant1				Tune up Power (dBm)							
CA_5A-4A													
Combination 10MHz+20MHz (50RB+100RB)													
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset							
20450	20050	QPSK	1	0	1	0	22.59	16.04	23.46	23	17	24.0	
			1	25	1	49	22.70	16.28	23.59	23	17	24.0	
			1	49	1	99	22.70	15.72	23.49	23	17	24.0	
			25	0	50	0	20.18	19.12	22.69	21.5	20.5	24.0	
			25	12	50	24	20.30	19.28	22.83	21.5	20.5	24.0	
			25	25	50	50	20.30	19.10	22.75	21.5	20.5	24.0	
			50	0	100	0	20.30	19.20	22.80	21.5	20.5	24.0	
			1	0	1	0	22.84	16.27	23.54	23	17	24.0	
20525	20175	QPSK	1	25	1	49	22.67	16.37	23.50	23	17	24.0	
			1	49	1	99	22.25	16.49	23.27	23	17	24.0	
			25	0	50	0	20.11	19.53	22.84	21.5	20.5	24.0	
			25	12	50	24	20.06	19.58	22.84	21.5	20.5	24.0	
			25	25	50	50	20.00	19.63	22.83	21.5	20.5	24.0	
			50	0	100	0	20.00	19.41	22.73	21.5	20.5	24.0	
			1	0	1	0	22.26	16.76	23.34	23	17	24.0	
			1	25	1	49	22.09	15.82	23.01	23	17	24.0	
20600	20300	QPSK	1	49	1	99	22.12	16.53	23.18	23	17	24.0	
			25	0	50	0	20.21	19.21	22.75	21.5	20.5	24.0	
			25	12	50	24	20.15	19.33	22.77	21.5	20.5	24.0	
			25	25	50	50	19.98	19.93	22.97	21.5	20.5	24.0	
			50	0	100	0	20.18	19.46	22.85	21.5	20.5	24.0	

PCC:Ant2			SCC:Ant8			Tune up Power (dBm)						
CA_4A-5A												
Combination 20MHz+10MHz (100RB+50RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune Power (dBm)
			RB Size	RB offset	RB Size	RB offset						
20050	20450	QPSK	1	0	1	0	22.03	16.77	23.16	22.8	18	24.0
			1	49	1	25	21.80	16.91	23.02	22.8	18	24.0
			1	99	1	49	21.70	17.41	23.07	22.8	18	24.0
			50	0	25	0	20.02	19.95	23.00	20.5	21.5	24.0
			50	24	25	12	19.96	20.14	23.06	20.5	21.5	24.0
			50	50	25	25	19.87	20.19	23.04	20.5	21.5	24.0
			100	0	50	0	19.93	20.09	23.02	20.5	21.5	24.0
			1	0	1	0	21.91	16.85	23.09	22.8	18	24.0
20175	20525	QPSK	1	49	1	25	21.92	17.00	23.18	22.8	18	24.0
			1	99	1	49	21.73	17.59	23.15	22.8	18	24.0
			50	0	25	0	20.16	19.93	23.06	20.5	21.5	24.0
			50	24	25	12	19.94	19.98	22.97	20.5	21.5	24.0
			50	50	25	25	19.91	20.29	23.11	20.5	21.5	24.0
			100	0	50	0	19.97	20.04	23.02	20.5	21.5	24.0
			1	0	1	0	22.14	16.68	23.23	22.8	18	24.0
			1	49	1	25	21.65	16.97	22.92	22.8	18	24.0
20300	20600	QPSK	1	99	1	49	21.74	17.44	23.11	22.8	18	24.0
			50	0	25	0	20.18	19.94	23.07	20.5	21.5	24.0
			50	24	25	12	20.03	20.05	23.05	20.5	21.5	24.0
			50	50	25	25	19.89	20.13	23.02	20.5	21.5	24.0
			100	0	50	0	20.09	19.95	23.03	20.5	21.5	24.0

PCC:Ant8		SCC:Ant2				Tune up Power (dBm)						
CA_5A-4A												
Combination 10MHz+20MHz (50RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune Power (dBm)
			RB Size	RB offset	RB Size	RB offset						
20450	20050	QPSK	1	0	1	0	21.20	15.92	22.33	23	17	24.0
			1	25	1	49	21.51	15.64	22.51	23	17	24.0
			1	49	1	99	21.70	15.46	22.63	23	17	24.0
			25	0	50	0	19.09	19.44	22.28	21	21	24.0
			25	12	50	24	19.02	19.13	22.09	21	21	24.0
			25	25	50	50	19.01	19.23	22.13	21	21	24.0
			50	0	100	0	18.90	19.21	22.07	21	21	24.0
			1	0	1	0	21.37	16.04	22.49	23	17	24.0
20525	20175	QPSK	1	25	1	49	21.42	15.80	22.47	23	17	24.0
			1	49	1	99	21.45	15.40	22.41	23	17	24.0
			25	0	50	0	19.04	19.33	22.20	21	21	24.0
			25	12	50	24	19.14	19.25	22.21	21	21	24.0
			25	25	50	50	19.16	18.92	22.05	21	21	24.0
			50	0	100	0	19.07	19.02	22.06	21	21	24.0
			1	0	1	0	21.05	16.09	22.25	23	17	24.0
			1	25	1	49	21.41	15.45	22.39	23	17	24.0
20600	20300	QPSK	1	49	1	99	21.60	15.50	22.57	23	17	24.0
			25	0	50	0	19.12	19.25	22.20	21	21	24.0
			25	12	50	24	19.18	19.28	22.24	21	21	24.0
			25	25	50	50	19.21	19.05	22.14	21	21	24.0
			50	0	100	0	19.04	19.03	22.05	21	21	24.0

PCC:Ant1 SCC:Ant2

Tune up Power (dBm)

CA_4A-12A												
Combination 20MHz+10MHz (100RB+50RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset						
20050	23060	QPSK	1	0	1	0	22.24	15.18	23.02	23	17	24.0
			1	49	1	25	22.24	15.10	23.01	23	17	24.0
			1	99	1	49	21.96	15.07	22.77	23	17	24.0
			50	0	25	0	20.12	18.69	22.47	21.5	20.5	24.0
			50	24	25	12	20.00	18.81	22.46	21.5	20.5	24.0
			50	50	25	25	19.77	18.83	22.34	21.5	20.5	24.0
			100	0	50	0	19.82	18.70	22.31	21.5	20.5	24.0
20175	23095	QPSK	1	0	1	0	22.22	15.12	22.99	23	17	24.0
			1	49	1	25	21.99	15.45	22.86	23	17	24.0
			1	99	1	49	22.23	15.17	23.01	23	17	24.0
			50	0	25	0	19.63	18.71	22.20	21.5	20.5	24.0
			50	24	25	12	19.59	18.83	22.24	21.5	20.5	24.0
			50	50	25	25	19.56	18.88	22.24	21.5	20.5	24.0
			100	0	50	0	19.54	18.78	22.19	21.5	20.5	24.0
20300	23130	QPSK	1	0	1	0	22.12	15.38	22.95	23	17	24.0
			1	49	1	25	22.17	15.40	23.00	23	17	24.0
			1	99	1	49	22.07	15.63	22.96	23	17	24.0
			50	0	25	0	19.77	18.88	22.36	21.5	20.5	24.0
			50	24	25	12	19.76	19.00	22.41	21.5	20.5	24.0
			50	50	25	25	19.68	18.97	22.35	21.5	20.5	24.0
			100	0	50	0	19.73	18.92	22.35	21.5	20.5	24.0

PCC:Ant2 SCC:Ant1

Tune up Power (dBm)

CA_12A-4A												
Combination 10MHz+20MHz (50RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset						
23060	20050	QPSK	1	0	1	0	21.50	16.76	22.78	23	17	24.0
			1	25	1	49	21.97	16.01	22.95	23	17	24.0
			1	49	1	99	22.30	16.39	23.29	23	17	24.0
			25	0	50	0	19.56	19.76	22.67	21	21	24.0
			25	12	50	24	19.72	19.60	22.67	21	21	24.0
			25	25	50	50	19.79	19.51	22.66	21	21	24.0
			50	0	100	0	19.68	19.47	22.59	21	21	24.0
23095	20175	QPSK	1	0	1	0	21.64	16.81	22.87	23	17	24.0
			1	25	1	49	21.93	16.71	23.07	23	17	24.0
			1	49	1	99	22.01	17.07	23.22	23	17	24.0
			25	0	50	0	19.50	19.51	22.52	21	21	24.0
			25	12	50	24	19.53	19.55	22.55	21	21	24.0
			25	25	50	50	19.58	19.64	22.62	21	21	24.0
			50	0	100	0	19.53	19.66	22.61	21	21	24.0
23130	20300	QPSK	1	0	1	0	21.95	16.34	23.00	23	17	24.0
			1	25	1	49	21.98	16.62	23.07	23	17	24.0
			1	49	1	99	21.87	16.53	22.98	23	17	24.0
			25	0	50	0	19.82	19.56	22.70	21	21	24.0
			25	12	50	24	19.96	20.12	23.05	21	21	24.0
			25	25	50	50	19.85	19.57	22.72	21	21	24.0
			50	0	100	0	19.85	19.45	22.66	21	21	24.0

PCC:Ant2 SCC:Ant8

Tune up Power (dBm)

CA_4A-12A												
Combination 20MHz+10MHz (100RB+50RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset						
20050	23060	QPSK	1	0	1	0	22.12	16.27	23.12	23	17	24.0
			1	49	1	25	22.20	16.13	23.16	23	17	24.0
			1	99	1	49	21.80	16.50	22.92	23	17	24.0
			50	0	25	0	19.84	19.49	22.68	21	21	24.0
			50	24	25	12	19.70	19.56	22.64	21	21	24.0
			50	50	25	25	19.69	19.50	22.56	21	21	24.0
			100	0	50	0	19.70	18.37	22.10	21	21	24.0
20175	23095	QPSK	1	0	1	0	22.11	16.32	23.13	23	17	24.0
			1	49	1	25	21.68	15.44	22.61	23	17	24.0
			1	99	1	49	21.36	15.26	22.31	23	17	24.0
			50	0	25	0	19.81	19.18	22.52	21	21	24.0
			50	24	25	12	19.55	19.41	22.49	21	21	24.0
			50	50	25	25	19.40	19.17	22.30	21	21	24.0
			100	0	50	0	20.08	19.27	22.70	21	21	24.0
20300	23130	QPSK	1	0	1	0	22.13	16.15	23.11	23	17	24.0
			1	49	1	25	21.42	15.52	22.41	23	17	24.0
			1	99	1	49	21.34	15.52	22.35	23	17	24.0
			50	0	25	0	19.75	19.53	22.65	21	21	24.0
			50	24	25	12	19.81	19.23	22.54	21	21	24.0
			50	50	25	25	19.71	19.12	22.44	21	21	24.0
			100	0	50	0	20.04	19.34	22.71	21	21	24.0

PCC:Ant8 SCC:Ant2

Tune up Power (dBm)

CA_12A-4A												
Combination 10MHz+20MHz (50RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset						
23060	20050	QPSK	1	0	1	0	21.60	16.38	22.74	23	17	24.0
			1	25	1	49	21.11	15.81	22.23	23	17	24.0
			1	49	1	99	21.16	15.80	22.27	23	17	24.0
			25	0	50	0	19.77	18.90	22.37	21.5	20.5	24.0
			25	12	50	24	19.80	18.84	22.36	21.5	20.5	24.0
			25	25	50	50	19.55	18.64	22.13	21.5	20.5	24.0
			50	0	100	0	19.62	18.76	22.22	21.5	20.5	24.0
23095	20175	QPSK	1	0	1	0	21.24	16.32	22.45	23	17	24.0
			1	25	1	49	21.23	15.70	22.30	23	17	24.0
			1	49	1	99	21.12	15.66	22.21	23	17	24.0
			25	0	50	0	19.69	18.89	22.32	21.5	20.5	24.0
			25	12	50	24	19.90	18.73	22.36	21.5	20.5	24.0
			25	25	50	50	19.52	18.67	22.13	21.5	20.5	24.0
			50	0	100	0	19.63	18.75	22.22	21.5	20.5	24.0
23130	20300	QPSK	1	0	1	0	21.41	16.51	22.63	23	17	24.0
			1	25	1	49	21.14	15.86	22.27	23	17	24.0
			1	49	1	99	21.13	15.84	22.26	23	17	24.0
			25	0	50	0	19.65	18.82	22.27	21.5	20.5	24.0
			25	12	50	24	19.72	18.82	22.30	21.5	20.5	24.0
			25	25	50	50	19.51	18.82	22.19	21.5	20.5	24.0
			50	0	100	0	19.71	18.77	22.28	21.5	20.5	24.0

PCC:Ant1		SCC:Ant2		Tune up Power (dBm)									
CA_4A-13A													
Combination 20MHz+10MHz (100RB+50RB)													
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset							
20050	23230	QPSK	1	0	1	0	22.39	16.70	23.43	22.8	18	24.0	
			1	49	1	25	22.40	17.20	23.55	22.8	18	24.0	
			1	99	1	49	22.10	17.70	23.45	22.8	18	24.0	
			50	0	25	0	20.15	18.05	22.24	21.5	20.5	24.0	
			50	24	25	12	20.10	18.42	22.35	21.5	20.5	24.0	
			50	50	25	25	19.90	18.80	22.40	21.5	20.5	24.0	
20175	23230	QPSK	100	0	50	0	20.80	18.41	22.78	21.5	20.5	24.0	
			1	0	1	0	22.04	16.40	23.09	22.8	18	24.0	
			1	49	1	25	22.37	16.97	23.47	22.8	18	24.0	
			1	99	1	49	22.07	17.43	23.35	22.8	18	24.0	
			50	0	25	0	19.37	19.09	22.24	21.5	20.5	24.0	
			50	24	25	12	20.14	18.62	22.46	21.5	20.5	24.0	
20300	23230	QPSK	50	50	25	25	19.95	18.82	22.43	21.5	20.5	24.0	
			100	0	50	0	19.41	19.54	22.49	21.5	20.5	24.0	
			1	0	1	0	22.06	16.31	23.08	22.8	18	24.0	
			1	49	1	25	22.46	16.39	23.42	22.8	18	24.0	
			1	99	1	49	22.05	17.93	23.47	22.8	18	24.0	
			50	0	25	0	20.70	19.07	22.97	22	19.8	24.0	
			50	24	25	12	19.77	18.54	22.21	22	19.8	24.0	
			50	50	25	25	19.96	18.58	22.33	22	19.8	24.0	
			100	0	50	0	19.30	19.40	22.36	22	19.8	24.0	

PCC:Ant2			SCC:Ant8			CA_4A-13A							
Combination 20MHz+10MHz (100RB+50RB)											Tune up Power (dBm)		
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset							
20050	23230	QPSK	1	0	1	0	21.60	18.46	23.32	22	19.8	24.0	
			1	49	1	25	21.11	18.64	23.06	22	19.8	24.0	
			1	99	1	49	21.16	18.40	23.01	22	19.8	24.0	
			50	0	25	0	19.77	19.58	22.69	21	21	24.0	
			50	24	25	12	19.80	19.75	22.79	21	21	24.0	
			50	50	25	25	19.55	19.80	22.69	21	21	24.0	
20175	23230	QPSK	100	0	50	0	19.62	19.80	22.72	21	21	24.0	
			1	0	1	0	21.24	18.35	23.04	22	19.8	24.0	
			1	49	1	25	21.23	18.68	23.15	22	19.8	24.0	
			1	99	1	49	21.12	18.65	23.07	22	19.8	24.0	
			50	0	25	0	19.69	19.46	22.59	21	21	24.0	
			50	24	25	12	19.90	19.65	22.79	21	21	24.0	
20300	23230	QPSK	50	50	25	25	19.52	19.85	22.70	21	21	24.0	
			100	0	50	0	19.63	19.61	22.63	21	21	24.0	
			1	0	1	0	21.41	18.51	23.21	22	19.8	24.0	
			1	49	1	25	21.14	18.50	23.03	22	19.8	24.0	
			1	99	1	49	21.13	18.41	22.99	22	19.8	24.0	
			50	0	25	0	19.65	19.43	22.55	21	21	24.0	
			50	24	25	12	19.72	19.81	22.78	21	21	24.0	
			50	50	25	25	19.51	19.72	22.63	21	21	24.0	
			100	0	50	0	19.71	19.7	22.72	21	21	24.0	

PCC:Ant2		SCC:Ant1		Tune up Power (dBm)									
CA_13A-4A													
Combination 10MHz+20MHz (50RB+100RB)													
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset							
23230	20050	QPSK	1	0	1	0	21.08	18.71	23.05	22	19.8	24.0	
			1	25	1	49	21.47	19.08	23.45	22	19.8	24.0	
			1	49	1	99	21.70	18.80	23.50	22	19.8	24.0	
			25	0	50	0	20.00	20.50	23.27	21	21	24.0	
			25	12	50	24	20.10	20.33	23.23	21	21	24.0	
			25	25	50	50	20.30	20.33	23.33	21	21	24.0	
23230	20175	QPSK	50	0	100	0	20.29	20.37	23.34	21	21	24.0	
			1	0	1	0	21.01	18.94	23.11	22	19.8	24.0	
			1	25	1	49	21.31	18.94	23.30	22	19.8	24.0	
			1	49	1	99	21.48	18.83	23.36	22	19.8	24.0	
			25	0	50	0	20.00	20.01	23.02	21	21	24.0	
			25	12	50	24	19.99	20.15	23.08	21	21	24.0	
23230	20300	QPSK	25	25	50	50	20.40	20.21	23.32	21	21	24.0	
			50	0	100	0	20.30	19.98	23.15	21	21	24.0	
			1	0	1	0	21.01	19.06	23.15	22	19.8	24.0	
			1	25	1	49	21.53	19.01	23.46	22	19.8	24.0	
			1	49	1	99	21.57	18.76	23.40	22	19.8	24.0	
			25	0	50	0	20.10	20.53	23.33	21	21	24.0	
23230	20300	QPSK	25	12	50	24	19.93	20.18	23.07	21	21	24.0	
			25	25	50	50	20.19	20.15	23.18	21	21	24.0	
			50	0	100	0	20.15	20.19	23.18	21	21	24.0	

PCC:Ant8		SCC:Ant2		Tune up Power (dBm)									
CA_13A-4A													
Combination 10MHz+20MHz (50RB+100RB)													
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset							
23230	20050	QPSK	1	0	1	0	21.64	16.13	22.72	22.8	18	24.0	
			1	25	1	49	22.23	16.68	23.30	22.8	18	24.0	
			1	49	1	99	22.35	16.10	23.27	22.8	18	24.0	
			25	0	50	0	20.80	19.03	23.01	21.5	20.5	24.0	
			25	12	50	24	21.00	18.83	23.06	21.5	20.5	24.0	
			25	25	50	50	21.20	18.50	23.07	21.5	20.5	24.0	
23230	20175	QPSK	50	0	100	0	21.00	18.80	23.05	21.5	20.5	24.0	
			1	0	1	0	21.75	16.98	23.00	22.8	18	24.0	
			1	25	1	49	22.23	17.05	23.38	22.8	18	24.0	
			1	49	1	99	22.24	17.19	23.42	22.8	18	24.0	
			25	0	50	0	20.70	18.15	22.62	21.5	20.5	24.0	
			25	12	50	24	20.76	18.85	22.92	21.5	20.5	24.0	
23230	20300	QPSK	25	25	50	50	20.94	18.74	22.99	21.5	20.5	24.0	
			50	0	100	0	21.10	18.00	22.83	21.5	20.5	24.0	
			1	0	1	0	21.61	17.13	22.93	22.8	18	24.0	
			1	25	1	49	22.29	17.16	23.45	22.8	18	24.0	
			1	49	1	99	22.32	16.74	23.38	22.8	18	24.0	
			25	0	50	0	20.82	18.97	23.00	21.5	20.5	24.0	
23230	20300	QPSK	25	12	50	24	20.88	18.64	22.91	21.5	20.5	24.0	
			25	25	50	50	21.16	18.42	23.01	21.5	20.5	24.0	
			50	0	100	0	20.90	18.57	22.90	21.5	20.5	24.0	

PCC:Ant2		SCC:Ant1		Tune up Power (dBm)									
CA_5A-30A													
Combination 10MHz+10MHz (50RB+50RB)													
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune Power (dBm)	
			RB Size	RB offset	RB Size	RB offset							
20450	27710	QPSK	1	0	1	0	22.08	16.60	23.16	23	17	24.0	
			1	25	1	25	22.22	16.05	23.16	23	17	24.0	
			1	49	1	49	22.49	15.54	23.29	23	17	24.0	
			25	0	25	0	19.87	19.67	22.78	21	21	24.0	
			25	12	25	12	19.89	19.51	22.71	21	21	24.0	
			25	25	25	25	19.80	19.37	22.60	21	21	24.0	
20525	27710	QPSK	50	0	50	0	19.73	19.34	22.55	21	21	24.0	
			1	0	1	0	22.09	16.72	23.20	23	17	24.0	
			1	25	1	25	22.28	16.35	23.27	23	17	24.0	
			1	49	1	49	22.19	16.68	23.27	23	17	24.0	
			25	0	25	0	20.00	19.82	22.92	21	21	24.0	
			25	12	25	12	19.97	19.83	22.91	21	21	24.0	
20600	27710	QPSK	25	25	25	25	19.82	19.61	22.73	21	21	24.0	
			50	0	50	0	19.81	19.56	22.70	21	21	24.0	
			1	0	1	0	22.20	16.57	23.25	23	17	24.0	
			1	25	1	25	22.20	16.46	23.23	23	17	24.0	
			1	49	1	49	22.03	16.51	23.10	23	17	24.0	
			25	0	25	0	20.03	19.69	22.87	21	21	24.0	
20600	27710	QPSK	25	12	25	12	19.75	19.72	22.75	21	21	24.0	
			25	25	25	25	19.51	19.67	22.60	21	21	24.0	
			50	0	50	0	19.58	19.57	22.59	21	21	24.0	

PCC:Ant8		SCC:Ant2		Tune up Power (dBm)									
CA 5A-30A													
Combination 10MHz+10MHz (50RB+50RB)													
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune Power (dBm)	
			RB Size	RB offset	RB Size	RB offset							
20450	27710	QPSK	1	0	1	0	21.11	15.91	22.26	23	17	24.0	
			1	25	1	25	21.29	16.28	22.48	23	17	24.0	
			1	49	1	49	21.75	15.90	22.75	23	17	24.0	
			25	0	25	0	19.11	19.09	22.11	21	21	24.0	
			25	12	25	12	19.23	19.16	22.21	21	21	24.0	
			25	25	25	25	19.36	19.14	22.26	21	21	24.0	
20525	27710	QPSK	50	0	50	0	19.17	19.02	22.11	21	21	24.0	
			1	0	1	0	21.24	15.98	22.37	23	17	24.0	
			1	25	1	25	21.16	16.45	22.42	23	17	24.0	
			1	49	1	49	21.90	16.05	22.90	23	17	24.0	
			25	0	25	0	19.25	19.08	22.18	21	21	24.0	
			25	12	25	12	19.10	19.15	22.14	21	21	24.0	
20600	27710	QPSK	25	25	25	25	19.22	19.09	22.17	21	21	24.0	
			50	0	50	0	19.26	19.14	22.21	21	21	24.0	
			1	0	1	0	21.08	15.87	22.22	23	17	24.0	
			1	25	1	25	21.12	16.44	22.39	23	17	24.0	
			1	49	1	49	21.62	15.80	22.63	23	17	24.0	
			25	0	25	0	19.04	19.06	22.06	21	21	24.0	
20600	27710	QPSK	25	12	25	12	19.39	19.03	22.22	21	21	24.0	
			25	25	25	25	19.17	19.12	22.16	21	21	24.0	
			50	0	50	0	19.26	19.17	22.23	21	21	24.0	

PCC:Ant1		SCC:Ant2		Tune up Power (dBm)									
CA 30A-5A													
Combination 10MHz+10MHz (50RB+50RB)													
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset							
27710	20450	QPSK	1	0	1	0	22.42	16.46	23.40	23	17	24.0	
			1	25	1	25	22.29	16.42	23.29	23	17	24.0	
			1	49	1	49	22.25	16.56	23.29	23	17	24.0	
			25	0	25	0	19.90	20.03	22.98	21	21	24.0	
			25	12	25	12	20.04	20.26	23.16	21	21	24.0	
			25	25	25	25	19.90	20.25	23.09	21	21	24.0	
27710	20525	QPSK	50	0	50	0	19.87	20.11	23.00	21	21	24.0	
			1	0	1	0	22.36	16.44	23.35	23	17	24.0	
			1	25	1	25	22.24	16.49	23.26	23	17	24.0	
			1	49	1	49	22.18	16.45	23.21	23	17	24.0	
			25	0	25	0	20.26	20.14	23.21	21	21	24.0	
			25	12	25	12	19.95	19.81	22.89	21	21	24.0	
27710	20600	QPSK	25	25	25	25	19.81	19.72	22.78	21	21	24.0	
			50	0	50	0	19.79	19.67	22.74	21	21	24.0	
			1	0	1	0	22.35	15.98	23.25	23	17	24.0	
			1	25	1	25	22.21	16.38	23.22	23	17	24.0	
			1	49	1	49	22.20	15.75	23.09	23	17	24.0	
			25	0	25	0	19.63	19.42	22.54	21	21	24.0	
27710	20600	QPSK	25	12	25	12	20.35	20.05	23.21	21	21	24.0	
			25	25	25	25	19.87	19.55	22.72	21	21	24.0	
			50	0	50	0	19.73	19.5	22.63	21	21	24.0	

PCC:Ant2		SCC:Ant8		Tune up Power (dBm)									
CA 30A-5A													
Combination 10MHz+10MHz (50RB+50RB)													
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset							
27710	20450	QPSK	1	0	1	0	22.25	16.34	23.24	23	17	24.0	
			1	49	1	25	22.22	16.16	23.18	23	17	24.0	
			1	99	1	49	22.33	16.40	23.32	23	17	24.0	
			50	0	25	0	19.72	20.01	22.88	21	21	24.0	
			50	24	25	12	19.85	19.47	22.67	21	21	24.0	
			50	50	25	25	19.81	19.86	22.85	21	21	24.0	
27710	20525	QPSK	100	0	50	0	19.71	20.19	22.97	21	21	24.0	
			1	0	1	0	22.27	16.18	23.23	23	17	24.0	
			1	49	1	25	22.07	16.23	23.08	23	17	24.0	
			1	99	1	49	22.19	16.45	23.22	23	17	24.0	
			50	0	25	0	19.76	19.78	22.78	21	21	24.0	
			50	24	25	12	19.76	19.78	22.78	21	21	24.0	
27710	20600	QPSK	50	50	25	25	19.85	19.70	22.79	21	21	24.0	
			100	0	50	0	19.87	19.70	22.80	21	21	24.0	
			1	0	1	0	22.19	16.44	23.21	23	17	24.0	
			1	49	1	25	22.41	16.06	23.32	23	17	24.0	
			1	99	1	49	22.20	16.44	23.22	23	17	24.0	
			50	0	25	0	19.88	19.43	22.67	21	21	24.0	
27710	20600	QPSK	50	24	25	12	19.93	19.78	22.67	21	21	24.0	
			50	50	25	25	19.87	19.85	22.87	21	21	24.0	
			100	0	50	0	19.78	19.66	22.73	21	21	24.0	

PCC:Ant2		SCC:Ant1		Tune up Power (dBm)									
CA 5A-66A													
Combination 10MHz+20MHz (50RB+100RB)													
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset							
20450	132072	QPSK	1	0	1	0	22.32	16.41	23.31	22.8	18	24.0	
			1	25	1	49	22.27	16.76	23.35	22.8	18	24.0	
			1	49	1	99	22.43	16.01	23.32	22.8	18	24.0	
			25	0	50	0	20.27	18.71	22.57	21.8	20	24.0	
			25	12	50	24	20.29	18.84	22.64	21.8	20	24.0	
			25	25	50	50	20.33	18.75	22.62	21.8	20	24.0	
			50	0	100	0	20.46	18.75	22.70	21.8	20	24.0	
20525	132322	QPSK	1	0	1	0	22.38	17.24	23.54	22.8	18	24.0	
			1	25	1	49	22.09	17.48	23.38	22.8	18	24.0	
			1	49	1	99	21.90	17.58	23.27	22.8	18	24.0	
			25	0	50	0	20.36	18.62	22.59	21.8	20	24.0	
			25	12	50	24	20.24	18.54	22.48	21.8	20	24.0	
			25	25	50	50	20.08	18.43	22.34	21.8	20	24.0	
			50	0	100	0	20.11	18.48	22.38	21.8	20	24.0	
20600	132572	QPSK	1	0	1	0	21.88	16.59	23.01	22.8	18	24.0	
			1	25	1	49	21.94	16.95	23.14	22.8	18	24.0	
			1	49	1	99	21.53	16.74	22.77	22.8	18	24.0	
			25	0	50	0	20.30	18.52	22.51	21.8	20	24.0	
			25	12	50	24	20.23	18.48	22.45	21.8	20	24.0	
			25	25	50	50	20.00	18.16	22.19	21.8	20	24.0	
			50	0	100	0	20.23	18.31	22.39	21.8	20	24.0	

PCC:Ant1		SCC:Ant2		Tune up Power (dBm)									
CA_66A-5A													
Combination 20MHz+10MHz (100RB+50RB)													
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset							
132072	20450	QPSK	1	0	1	0	22.53	16.85	23.57	23	17	24.0	
			1	49	1	25	22.58	16.35	23.51	23	17	24.0	
			1	99	1	49	22.27	16.19	23.23	23	17	24.0	
			50	0	25	0	19.83	19.95	22.90	21	21	24.0	
			50	24	25	12	19.82	20.02	22.93	21	21	24.0	
			50	50	25	25	19.74	20.01	22.89	21	21	24.0	
			100	0	50	0	19.72	19.90	22.82	21	21	24.0	
132322	20525	QPSK	1	0	1	0	22.49	15.83	23.34	23	17	24.0	
			1	49	1	25	22.30	16.61	23.34	23	17	24.0	
			1	99	1	49	22.25	15.86	23.15	23	17	24.0	
			50	0	25	0	20.03	19.82	22.94	21	21	24.0	
			50	24	25	12	20.04	19.82	22.94	21	21	24.0	
			50	50	25	25	19.92	19.74	22.84	21	21	24.0	
			100	0	50	0	19.89	19.73	22.82	21	21	24.0	
132572	20600	QPSK	1	0	1	0	22.35	15.85	23.23	23	17	24.0	
			1	49	1	25	22.46	15.49	23.26	23	17	24.0	
			1	99	1	49	22.09	15.66	22.98	23	17	24.0	
			50	0	25	0	20.06	19.56	22.83	21	21	24.0	
			50	24	25	12	19.91	19.47	22.71	21	21	24.0	
			50	50	25	25	19.75	19.33	22.56	21	21	24.0	
			100	0	50	0	19.83	19.44	22.65	21	21	24.0	

PCC:Ant8		SCC:Ant2		Tune up Power (dBm)									
CA_5A-66A													
Combination 10MHz+20MHz (50RB+100RB)													
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset							
20450	132072	QPSK	1	0	1	0	21.29	16.34	22.50	22.8	18	24.0	
			1	25	1	49	21.31	16.61	22.58	22.8	18	24.0	
			1	49	1	99	21.81	16.03	22.83	22.8	18	24.0	
			25	0	50	0	19.10	19.12	22.12	21	21	24.0	
			25	12	50	24	19.31	19.11	22.22	21	21	24.0	
			25	25	50	50	19.35	19.11	22.24	21	21	24.0	
			50	0	100	0	19.19	19.06	22.14	21	21	24.0	
20525	132322	QPSK	1	0	1	0	21.34	16.40	22.55	22.8	18	24.0	
			1	25	1	49	21.29	16.80	22.61	22.8	18	24.0	
			1	49	1	99	21.37	15.93	22.46	22.8	18	24.0	
			25	0	50	0	19.12	19.19	22.17	21	21	24.0	
			25	12	50	24	19.06	19.13	22.11	21	21	24.0	
			25	25	50	50	19.03	19.19	22.12	21	21	24.0	
			50	0	100	0	19.12	19.12	22.13	21	21	24.0	
20600	132572	QPSK	1	0	1	0	21.46	16.15	22.58	22.8	18	24.0	
			1	25	1	49	21.25	16.77	22.57	22.8	18	24.0	
			1	49	1	99	21.73	16.17	22.80	22.8	18	24.0	
			25	0	50	0	19.14	19.06	22.11	21	21	24.0	
			25	12	50	24	19.21	19.07	22.15	21	21	24.0	
			25	25	50	50	19.19	19.23	22.22	21	21	24.0	
			50	0	100	0	19.26	19.03	22.16	21	21	24.0	

PCC:Ant2				SCC:Ant8				Tune up Power (dBm)					
CA_66A-5A													
Combination 20MHz+10MHz (100RB+50RB)													
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset							
132072	20450	QPSK	1	0	1	0	21.80	17.52	23.18	22.8	18	24.0	
			1	49	1	25	21.51	17.83	23.06	22.8	18	24.0	
			1	99	1	49	21.36	17.63	22.89	22.8	18	24.0	
			50	0	25	0	19.90	20.15	23.04	21	21	24.0	
			50	24	25	12	19.85	20.25	23.06	21	21	24.0	
			50	50	25	25	19.73	20.22	22.99	21	21	24.0	
			100	0	50	0	19.86	20.21	23.05	21	21	24.0	
132322	20525	QPSK	1	0	1	0	21.68	17.60	23.11	22.8	18	24.0	
			1	49	1	25	21.39	17.74	22.95	22.8	18	24.0	
			1	99	1	49	21.36	17.48	22.85	22.8	18	24.0	
			50	0	25	0	19.80	20.03	22.93	21	21	24.0	
			50	24	25	12	19.77	20.38	23.10	21	21	24.0	
			50	50	25	25	19.92	20.33	23.14	21	21	24.0	
			100	0	50	0	19.82	20.23	23.04	21	21	24.0	
132572	20600	QPSK	1	0	1	0	21.67	17.64	23.12	22.8	18	24.0	
			1	49	1	25	21.56	17.74	23.07	22.8	18	24.0	
			1	99	1	49	21.44	17.49	22.91	22.8	18	24.0	
			50	0	25	0	19.97	20.28	23.14	21	21	24.0	
			50	24	25	12	19.99	20.12	23.07	21	21	24.0	
			50	50	25	25	19.56	20.38	23.00	21	21	24.0	
			100	0	50	0	19.82	20.26	23.06	21	21	24.0	

PCC:Ant18				SCC:Ant2								Tune up Power (dBm)	
CA 12A-30A													
Combination 10MHz*10MHz (50RB*50RB)													
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset							
23060	27710	QPSK	1	0	1	0	22.14	15.35	22.97	23	17	24.0	
			1	25	1	25	21.86	15.44	22.75	23	17	24.0	
			1	49	1	49	21.33	15.52	22.34	23	17	24.0	
			25	0	25	0	19.53	18.73	22.16	21.5	20.5	24.0	
			25	12	25	12	19.54	18.81	22.20	21.5	20.5	24.0	
			25	25	25	25	18.86	18.71	21.80	21.5	20.5	24.0	
			50	0	50	0	19.56	18.53	22.09	21.5	20.5	24.0	
			1	0	1	0	22.09	15.47	22.86	23	17	24.0	
			1	25	1	25	21.70	15.60	22.65	23	17	24.0	
			1	49	1	49	21.16	15.49	22.20	23	17	24.0	
23095	27710	QPSK	25	0	25	0	19.55	18.54	22.08	21.5	20.5	24.0	
			25	12	25	12	19.53	18.69	22.14	21.5	20.5	24.0	
			25	25	25	25	19.58	18.61	22.13	21.5	20.5	24.0	
			50	0	50	0	19.56	18.55	22.09	21.5	20.5	24.0	
			1	0	1	0	21.95	15.17	22.78	23	17	24.0	
			1	25	1	25	21.70	15.45	22.62	23	17	24.0	
			1	49	1	49	21.35	15.60	22.37	23	17	24.0	
			25	0	25	0	19.60	18.55	22.12	21.5	20.5	24.0	
			25	12	25	12	19.53	18.72	22.15	21.5	20.5	24.0	
			25	25	25	25	19.58	18.62	22.14	21.5	20.5	24.0	
23130	27710	QPSK	50	0	50	0	19.55	18.52	22.08	21.5	20.5	24.0	

PCC:Ant1		SCC:Ant2											
CA_30A-12A													
Combination 10MHz+10MHz (50RB+50RB)													
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset							
27710	23060	QPSK	1	0	1	0	21.89	15.41	22.77	23	17	24.0	
			1	25	1	25	21.96	15.47	22.84	23	17	24.0	
			1	49	1	49	21.89	15.44	22.78	23	17	24.0	
			25	0	25	0	20.08	19.00	22.58	21.5	20.5	24.0	
			25	12	25	12	20.01	19.18	22.63	21.5	20.5	24.0	
			25	25	25	25	19.88	19.09	22.51	21.5	20.5	24.0	
27710	23095	QPSK	50	0	50	0	19.83	18.53	22.41	21.5	20.5	24.0	
			1	0	1	0	21.89	15.07	22.71	23	17	24.0	
			1	25	1	25	21.84	15.10	22.67	23	17	24.0	
			1	49	1	49	22.03	15.11	22.83	23	17	24.0	
			25	0	25	0	19.41	19.03	22.23	21.5	20.5	24.0	
			25	12	25	12	19.50	19.18	22.35	21.5	20.5	24.0	
27710	23130	QPSK	25	25	25	25	19.41	19.02	22.23	21.5	20.5	24.0	
			50	0	50	0	19.44	19.06	22.26	21.5	20.5	24.0	
			1	0	1	0	21.83	15.32	22.71	23	17	24.0	
			1	25	1	25	22.05	15.04	22.84	23	17	24.0	
			1	49	1	49	21.99	15.29	22.83	23	17	24.0	
			25	0	25	0	19.13	18.95	22.05	21.5	20.5	24.0	
		QPSK	25	12	25	12	19.29	19.28	22.30	21.5	20.5	24.0	
			25	25	25	25	19.16	19.17	22.18	21.5	20.5	24.0	
			50	0	50	0	19.16	19.11	22.15	21.5	20.5	24.0	

PCC:Ant2		SCC:Ant1		Tune up Power (dBm)									
CA_12A-66A													
Combination 10MHz+20MHz (50RB+100RB)													
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset							
23060	132072	QPSK	1	0	1	0	21.23	16.93	22.60	22.8	18	24.0	
			1	25	1	49	21.14	17.78	22.79	22.8	18	24.0	
			1	49	1	99	21.44	17.33	22.86	22.8	18	24.0	
			25	0	50	0	19.33	19.60	22.48	21	21	24.0	
			25	12	50	24	19.48	19.87	22.69	21	21	24.0	
			25	25	50	50	19.50	19.70	22.61	21	21	24.0	
23095	132322	QPSK	50	0	100	0	19.49	19.55	22.53	21	21	24.0	
			1	0	1	0	21.17	17.67	22.77	22.8	18	24.0	
			1	25	1	49	21.51	17.07	22.84	22.8	18	24.0	
			1	49	1	99	21.55	16.92	22.84	22.8	18	24.0	
			25	0	50	0	19.57	19.27	22.43	21	21	24.0	
			25	12	50	24	19.60	19.16	22.40	21	21	24.0	
23130	132572	QPSK	25	25	50	50	19.73	19.04	22.41	21	21	24.0	
			50	0	100	0	19.53	19.07	22.32	21	21	24.0	
			1	0	1	0	21.54	16.73	22.78	22.8	18	24.0	
			1	25	1	49	21.43	16.75	22.70	22.8	18	24.0	
			1	49	1	99	21.49	16.69	22.73	22.8	18	24.0	
			25	0	50	0	19.67	19.20	22.45	21	21	24.0	
			25	12	50	24	19.71	19.16	22.45	21	21	24.0	
			25	25	50	50	19.70	18.96	22.36	21	21	24.0	
			50	0	100	0	19.64	19.03	22.36	21	21	24.0	

PCC:Ant8		SCC:Ant2		Tune up Power (dBm)								
CA_12A-66A												
Combination 10MHz+20MHz (50RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset						
23060	132072	QPSK	1	0	1	0	22.10	15.74	23.00	23	17	24.0
			1	25	1	49	21.59	15.14	22.48	23	17	24.0
			1	49	1	99	21.12	15.23	22.12	23	17	24.0
			25	0	50	0	19.57	19.05	22.33	21	21	24.0
			25	12	50	24	19.54	19.01	22.29	21	21	24.0
			25	25	50	50	19.22	19.03	22.14	21	21	24.0
23095	132322	QPSK	50	0	100	0	19.38	19.00	22.20	21	21	24.0
			1	0	1	0	22.08	15.56	22.95	23	17	24.0
			1	25	1	49	21.58	15.16	22.47	23	17	24.0
			1	49	1	99	21.13	15.11	22.10	23	17	24.0
			25	0	50	0	19.61	19.04	22.34	21	21	24.0
			25	12	50	24	19.41	19.20	22.32	21	21	24.0
23130	132572	QPSK	25	25	50	50	19.03	19.12	22.09	21	21	24.0
			50	0	100	0	19.27	19.19	22.24	21	21	24.0
			1	0	1	0	21.91	15.76	22.85	23	17	24.0
			1	25	1	49	21.63	15.15	22.51	23	17	24.0
			1	49	1	99	21.07	15.12	22.05	23	17	24.0
			25	0	50	0	19.71	19.03	22.39	21	21	24.0
			25	12	50	24	19.40	19.17	22.30	21	21	24.0
			25	25	50	50	19.21	19.15	22.19	21	21	24.0
			50	0	100	0	19.35	19.26	22.32	21	21	24.0

PCC:Ant2			SCC:Ant8			Tune up Power (dBm)						
CA_66A-12A												
Combination 20MHz+10MHz (100RB+50RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset						
132072	23060	QPSK	1	0	1	0	22.00	15.88	22.95	23	17	24.0
			1	49	1	25	22.00	16.00	22.97	23	17	24.0
			1	99	1	49	21.91	15.93	22.89	23	17	24.0
			50	0	25	0	19.77	18.68	22.27	21.5	20.5	24.0
			50	24	25	12	19.95	18.90	22.47	21.5	20.5	24.0
			50	50	25	25	19.84	18.99	22.45	21.5	20.5	24.0
132322	23095	QPSK	100	0	50	0	19.89	18.78	22.38	21.5	20.5	24.0
			1	0	1	0	22.24	15.94	23.15	23	17	24.0
			1	49	1	25	22.41	16.16	23.33	23	17	24.0
			1	99	1	49	22.24	16.29	23.22	23	17	24.0
			50	0	25	0	19.21	20.49	22.91	21.5	20.5	24.0
			50	24	25	12	20.41	19.91	22.73	21.5	20.5	24.0
132572	23130	QPSK	50	50	25	25	20.14	18.75	22.51	21.5	20.5	24.0
			100	0	50	0	20.02	18.83	22.48	21.5	20.5	24.0
			1	0	1	0	22.32	15.89	23.21	23	17	24.0
			1	49	1	25	22.44	15.29	23.21	23	17	24.0
			1	99	1	49	22.43	15.07	23.16	23	17	24.0
			50	0	25	0	19.98	18.43	22.28	21.5	20.5	24.0
			50	24	25	12	19.79	18.51	22.21	21.5	20.5	24.0
			50	50	25	25	19.60	18.58	22.13	21.5	20.5	24.0
			100	0	50	0	19.77	18.46	22.17	21.5	20.5	24.0

PCC:Ant1		SCC:Ant2		Tune up Power (dBm)									
CA_66A-12A													
Combination 20MHz+10MHz (100RB+50RB)													
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset							
132072	23060	QPSK	1	0	1	0	21.81	15.13	22.65	23	17	24.0	
			1	49	1	25	22.13	15.05	22.91	23	17	24.0	
			1	99	1	49	21.89	15.23	22.74	23	17	24.0	
			50	0	25	0	19.77	18.88	22.36	21.5	20.5	24.0	
			50	24	25	12	20.02	19.23	22.65	21.5	20.5	24.0	
			50	50	25	25	19.83	19.08	22.48	21.5	20.5	24.0	
132322	23095	QPSK	100	0	50	0	19.85	19.06	22.48	21.5	20.5	24.0	
			1	0	1	0	22.08	15.03	22.86	23	17	24.0	
			1	49	1	25	22.08	15.10	22.87	23	17	24.0	
			1	99	1	49	22.00	15.14	22.81	23	17	24.0	
			50	0	25	0	20.17	19.09	22.67	21.5	20.5	24.0	
			50	24	25	12	20.23	19.21	22.76	21.5	20.5	24.0	
132572	23130	QPSK	50	50	25	25	20.01	19.32	22.69	21.5	20.5	24.0	
			100	0	50	0	20.04	19.16	22.63	21.5	20.5	24.0	
			1	0	1	0	21.93	15.05	22.74	23	17	24.0	
			1	49	1	25	22.09	15.03	22.87	23	17	24.0	
			1	99	1	49	21.88	15.53	22.79	23	17	24.0	
			50	0	25	0	20.25	19.30	22.81	21.5	20.5	24.0	
			50	24	25	12	20.11	19.41	22.78	21.5	20.5	24.0	
			50	50	25	25	19.89	19.43	22.68	21.5	20.5	24.0	
			100	0	50	0	20.08	19.37	22.75	21.5	20.5	24.0	

PCC:Ant2			SCC:Ant1			CA 13A-66A Combination 10MHz+20MHz (50RB+100RB)							Time up Power (dBm)	
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset								
23230	132072	QPSK	1	0	1	0	21.00	18.67	23.00	22	19.8	24.0		
			1	25	1	49	21.28	18.63	23.16	22	19.8	24.0		
			1	49	1	99	21.36	18.85	23.29	22	19.8	24.0		
			25	0	50	0	19.55	20.58	23.11	20.5	21.5	24.0		
			25	12	50	24	19.71	20.67	23.23	20.5	21.5	24.0		
			25	25	50	50	19.84	20.62	23.30	20.5	21.5	24.0		
			50	0	100	0	19.75	20.64	23.23	20.5	21.5	24.0		
			1	0	1	0	20.79	18.96	22.98	22	19.8	24.0		
			1	25	1	49	21.15	19.20	23.29	22	19.8	24.0		
23230	132322	QPSK	1	49	1	99	21.23	19.21	23.35	22	19.8	24.0		
			25	0	50	0	19.56	20.32	22.97	20.5	21.5	24.0		
			25	12	50	24	19.69	20.71	23.24	20.5	21.5	24.0		
			25	25	50	50	19.91	20.65	23.31	20.5	21.5	24.0		
			50	0	100	0	19.77	20.65	23.24	20.5	21.5	24.0		
			1	0	1	0	20.80	18.94	23.04	22	19.8	24.0		
			1	25	1	49	21.38	18.80	23.29	22	19.8	24.0		
			1	49	1	99	21.15	19.01	23.22	22	19.8	24.0		
			25	0	50	0	19.58	20.68	23.16	20.5	21.5	24.0		
23230	132572	QPSK	25	12	50	24	19.67	20.61	23.19	20.5	21.5	24.0		
			25	25	50	50	19.94	20.40	23.19	20.5	21.5	24.0		
			50	0	100	0	19.68	20.64	23.20	20.5	21.5	24.0		

PCC Ant2				SCC Ant8									Turn up Power (dBm)	
CA_66A-13A														
Combination 20MHz+10MHz (100RB+50RB)														
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Turn up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset								
132072	23230	QPSK	1	0	1	0	22.24	15.27	23.04	23	17	24.0		
			1	49	1	25	22.67	15.03	23.36	23	17	24.0		
			1	99	1	49	22.20	15.10	22.97	23	17	24.0		
			50	0	25	0	20.07	19.11	22.63	21.5	20.5	24.0		
			50	24	25	12	20.17	19.46	22.84	21.5	20.5	24.0		
			50	50	25	25	20.13	19.61	22.89	21.5	20.5	24.0		
			100	0	50	0	20.08	19.43	22.78	21.5	20.5	24.0		
			1	0	1	0	22.22	15.00	22.97	23	17	24.0		
			1	49	1	25	22.22	15.08	22.99	23	17	24.0		
			1	99	1	49	22.26	15.03	23.01	23	17	24.0		
132322	23230	QPSK	50	0	25	0	20.32	17.80	22.25	21.5	20.5	24.0		
			50	24	25	12	20.35	18.15	22.40	21.5	20.5	24.0		
			50	50	25	25	20.25	18.51	22.48	21.5	20.5	24.0		
			100	0	50	0	20.29	18.21	22.38	21.5	20.5	24.0		
			1	0	1	0	22.22	15.02	22.98	23	17	24.0		
			1	49	1	25	22.22	15.05	22.98	23	17	24.0		
132572	23230	QPSK	1	99	1	49	22.22	15.07	22.99	23	17	24.0		
			50	0	25	0	20.33	17.83	22.27	21.5	20.5	24.0		
			50	24	25	12	20.40	18.14	22.43	21.5	20.5	24.0		
			50	50	25	25	20.11	18.55	22.41	21.5	20.5	24.0		
			100	0	50	0	20.30	18.35	22.44	21.5	20.5	24.0		
			1	0	1	0	22.22	15.02	22.98	23	17	24.0		
			1	49	1	25	22.22	15.05	22.98	23	17	24.0		
			1	99	1	49	22.22	15.07	22.99	23	17	24.0		

PCCAnt18		SCCAnt2		CA 13A-66A									
				Combination 10MHz+20MHz (50RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset							
23230	132072	QPSK	1	0	1	0	20.88	17.01	22.37	22.8	18	24.0	
			1	25	1	49	21.79	17.30	23.11	22.8	18	24.0	
			1	49	1	99	22.12	17.26	23.35	22.8	18	24.0	
			25	0	50	0	19.67	20.14	22.92	21	21	24.0	
			25	12	50	24	19.99	20.23	23.12	21	21	24.0	
			25	25	50	50	20.30	20.16	23.24	21	21	24.0	
			50	0	100	0	20.00	20.12	23.07	21	21	24.0	
			1	0	1	0	20.86	17.05	22.37	22.8	18	24.0	
23230	132322	QPSK	1	25	1	49	21.94	17.58	23.30	22.8	18	24.0	
			1	49	1	99	22.03	17.44	23.33	22.8	18	24.0	
			25	0	50	0	20.05	20.23	23.15	21	21	24.0	
			25	12	50	24	20.38	20.16	23.28	21	21	24.0	
			25	25	50	50	20.42	20.01	23.23	21	21	24.0	
			50	0	100	0	20.39	20.05	23.23	21	21	24.0	
			1	0	1	0	20.97	17.16	22.48	22.8	18	24.0	
			1	25	1	49	21.66	17.40	23.04	22.8	18	24.0	
23230	132572	QPSK	1	49	1	99	22.05	17.39	23.33	22.8	18	24.0	
			25	0	50	0	20.07	20.14	23.14	21	21	24.0	
			25	12	50	24	20.40	20.15	23.29	21	21	24.0	
			25	25	50	50	20.43	20.02	23.24	21	21	24.0	
			50	0	100	0	20.45	20.06	23.27	21	21	24.0	

PCC:Ant1		SCC:Ant2				Tune up Power (dBm)						
CA 66A-13A												
Combination 20MHz+20MHz (100RB+50RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune Power (dBm)
			RB Size	RB offset	RB Size	RB offset						
132072	23230	QPSK	1	0	1	0	22.09	15.13	22.89	23	17	24.0
			1	0	1	25	22.27	15.06	23.03	23	17	24.0
			1	99	1	49	21.95	15.14	22.77	23	17	24.0
			50	0	25	0	19.72	18.80	22.29	21.5	20.5	24.0
			50	24	25	12	19.75	18.85	22.33	21.5	20.5	24.0
			50	50	25	25	19.65	18.81	22.26	21.5	20.5	24.0
			100	0	50	0	19.69	18.71	22.24	21.5	20.5	24.0
			1	0	1	0	22.05	15.23	22.87	23	17	24.0
			1	49	1	25	22.32	15.12	23.08	23	17	24.0
			1	99	1	49	21.93	15.24	22.71	23	17	24.0
132322	23230	QPSK	50	0	25	0	20.04	18.53	22.36	21.5	20.5	24.0
			50	24	25	12	19.95	18.54	22.31	21.5	20.5	24.0
			50	50	25	25	19.99	18.77	22.43	21.5	20.5	24.0
			100	0	50	0	20.02	18.59	22.37	21.5	20.5	24.0
			1	0	1	0	22.30	14.44	22.96	23	17	24.0
			1	49	1	25	22.34	14.18	22.96	23	17	24.0
			1	99	1	49	21.93	14.36	22.63	23	17	24.0
			50	0	25	0	20.19	18.57	22.43	21.5	20.5	24.0
			50	24	25	12	20.12	18.58	22.43	21.5	20.5	24.0
			50	50	25	25	19.80	18.74	22.31	21.5	20.5	24.0
132572	23230	QPSK	100	0	50	0	19.97	18.58	22.34	21.5	20.5	24.0

PCC:Ant2			SCC:Ant1			Time up Power (dBm)						
CA_14A-30A												
Combination 10MHz+10MHz (50RB+50RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset						
23330	27710	QPSK	1	0	1	0	22.21	16.10	23.16	22.8	18	24.0
			1	25	1	25	21.80	17.02	23.05	22.8	18	24.0
			1	49	1	49	21.90	16.72	23.05	22.8	18	24.0
			25	0	25	0	19.41	19.89	22.67	21	21	24.0
			25	12	25	12	19.34	19.89	22.63	21	21	24.0
			25	25	25	25	19.32	19.35	22.35	21	21	24.0
			50	0	50	0	19.27	19.90	22.61	21	21	24.0

PCC:Ant2			SCC:Ant8			Tune up Power (dBm)						
CA_30A-14A												
Combination 10MHz+10MHz (50RB+50RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset						
27710	23330	QPSK	1	0	1	0	22.26	16.24	23.23	22.8	18	24.0
			1	25	1	25	21.93	16.35	22.98	22.8	18	24.0
			1	49	1	49	21.75	15.64	22.70	22.8	18	24.0
			25	0	25	0	19.53	19.31	22.43	21	21	24.0
			25	12	25	12	19.99	19.45	22.74	21	21	24.0
			25	25	25	25	19.62	19.20	22.43	21	21	24.0
			50	0	50	0	19.58	19.12	22.37	21	21	24.0

PCC:Ant8		SCC:Ant2						Tune up Power (dBm)				
CA_14A-30A												
Combination 10MHz+10MHz (50RB+50RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset						
23330	27710	QPSK	1	0	1	0	21.98	16.53	23.07	23	17	24.0
			1	25	1	25	21.95	15.71	22.88	23	17	24.0
			1	49	1	49	21.83	15.38	22.72	23	17	24.0
			25	0	25	0	20.32	19.36	22.86	21.5	20.5	24.0
			25	12	25	12	20.24	19.41	22.86	21.5	20.5	24.0
			25	25	25	25	20.18	19.27	22.76	21.5	20.5	24.0
			50	0	50	0	20.06	19.21	22.67	21.5	20.5	24.0

PCC:Ant1		SCC:Ant2				Time up Power (dBm)							
CA_30A-14A													
Combination 10MHz+10MHz (50RB+50RB)													
PCC Channel	SCC Channel	Modulation	PCC		SCC		PCC1 Power (dBm)	SCC2 Power (dBm)	Measured Power (dBm)	PCC1 Tune up Power (dBm)	SCC2 Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset							
27710	23330	QPSK	1	0	1	0	22.26	15.40		23.07	23	17	24.0
			1	25	1	25	22.25	15.26		23.04	23	17	24.0
			1	49	1	49	22.38	15.15		23.13	23	17	24.0
			25	0	1	25	19.87	18.52		22.26	21.5	20.5	24.0
			25	12	1	25	20.12	18.54		22.41	21.5	20.5	24.0
			25	25	1	25	20.04	18.69		22.43	21.5	20.5	24.0
			50	0	50	0	19.99	18.71		22.41	21.5	20.5	24.0



Intra Uplink CA Power for LAT

CA_5B									
Combination 10MHz+10MHz (50RB+50RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction
			RB Size	RB offset	RB Size	RB offset			
20450	20549	QPSK	1	0	0	0	1	0	DSI4
20575	20476	QPSK	1	0	0	0	1	0	DSI4
20600	20501	QPSK	1	0	0	0	1	0	DSI4
20450	20549	QPSK	1	49	1	0	1	0	DSI3_Sim-Tx for Hotspot on/body-worn
20575	20476	QPSK	1	0	1	49	1	0	DSI3_Sim-Tx for Hotspot on/body-worn
20600	20501	QPSK	1	0	1	49	1	0	DSI3_Sim-Tx for Hotspot on/body-worn
20450	20549	QPSK	1	49	1	0	1	0	DSI3 for body worn
20575	20476	QPSK	1	0	1	49	1	0	DSI3 for body worn
20600	20501	QPSK	1	0	1	49	1	0	DSI3 for body worn

CA_6G									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction
			RB Size	RB offset	RB Size	RB offset			
132072	132270	QPSK	1	0	0	0	1	0	DSI4
132322	132124	QPSK	1	0	0	0	1	0	DSI4
132572	132374	QPSK	1	0	0	0	1	0	DSI4
132072	132270	QPSK	1	99	1	0	2	0	DSI3_Sim-Tx for Hotspot on/body-worn
132322	132124	QPSK	1	0	1	99	2	0	DSI3_Sim-Tx for Hotspot on/body-worn
132572	132374	QPSK	1	0	1	99	2	0	DSI3_Sim-Tx for Hotspot on/body-worn
132072	132270	QPSK	1	99	1	0	2	0	DSI3 for body worn
132322	132124	QPSK	1	0	1	99	2	0	DSI3 for body worn
132572	132374	QPSK	1	0	1	99	2	0	DSI3 for body worn
132072	132270	QPSK	1	99	1	0	2	0	DIS6 for Handheld Standalone
132322	132124	QPSK	1	0	1	99	2	0	DIS6 for Handheld Standalone
132572	132374	QPSK	1	0	1	99	2	0	DIS6 for Handheld Standalone



CA_66B											
Combination 15MHz+5MHz (75RB+25RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
132047	132140	QPSK	1	0	0	0	1	0	DS14	22.63	24.00
132322	132229	QPSK	1	0	0	0	1	0	DS14	22.59	24.00
132597	132504	QPSK	1	0	0	0	1	0	DS14	22.65	24.00
132047	132140	QPSK	1	74	1	0	2	0	DS13_Sim-Tx for Hotspot on/body-wron	16.23	17.70
132322	132229	QPSK	1	0	1	24	1	0	DS13_Sim-Tx for Hotspot on/body-wron	16.27	17.70
132597	132504	QPSK	1	0	1	24	1	0	DS13_Sim-Tx for Hotspot on/body-wron	16.31	17.70
132047	132140	QPSK	1	74	1	0	2	0	DS13 for body worn	17.30	18.80
132322	132229	QPSK	1	0	1	24	2	0	DS13 for body worn	17.28	18.80
132597	132504	QPSK	1	0	1	24	2	0	DS13 for body worn	17.26	18.80
132047	132140	QPSK	1	74	1	0	2	0	DS16 for Handheld Standalone	19.23	20.80
132322	132229	QPSK	1	0	1	24	2	0	DS16 for Handheld Standalone	19.26	20.80
132597	132504	QPSK	1	0	1	24	2	0	DS16 for Handheld Standalone	19.33	20.80

CA_41C											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
39790	39948	QPSK	1	99	0	0	1	0	DSM	22.49	24.00
40185	39987	QPSK	1	99	0	0	1	0	DSM	22.76	24.00
40620	40422	QPSK	1	99	0	0	1	0	DSM	22.89	24.00
41055	41253	QPSK	1	99	0	0	1	0	DSM	22.84	24.00
41490	41292	QPSK	1	99	0	0	1	0	DSM	22.97	24.00
39790	39948	QPSK	1	99	1	0	2	0	DSI3_Sim-Tx for Hotspot on/body-wron	16.68	18.30
40185	39987	QPSK	1	0	1	99	2	0	DSI3_Sim-Tx for Hotspot on/body-wron	16.63	18.30
40620	40422	QPSK	1	0	1	99	2	0	DSI3_Sim-Tx for Hotspot on/body-wron	17.03	18.30
41055	41253	QPSK	1	99	1	0	2	0	DSI3_Sim-Tx for Hotspot on/body-wron	16.99	18.30
41490	41292	QPSK	1	0	1	99	2	0	DSI3_Sim-Tx for Hotspot on/body-wron	17.03	18.30
39790	39948	QPSK	1	99	1	0	2	0	DSI3 for body worn	18.46	20.00
40185	39987	QPSK	1	0	1	99	2	0	DSI3 for body worn	18.50	20.00
40620	40422	QPSK	1	0	1	99	2	0	DSI3 for body worn	18.61	20.00
41055	41253	QPSK	1	99	1	0	2	0	DSI3 for body worn	18.51	20.00
41490	41292	QPSK	1	0	1	99	2	0	DSI3 for body worn	18.66	20.00



CA_48C For FCC											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Turn up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
55340	55538	QPSK	1	0	0	0	1	0	DS14	22.54	24.00
55830	55632	QPSK	1	0	0	0	1	0	DS14	22.52	24.00
56150	55952	QPSK	1	0	0	0	1	0	DS14	22.45	24.00
56640	56442	QPSK	1	0	0	0	1	0	DS14	22.44	24.00
55340	55538	QPSK	1	99	1	0	2	0	DS13_Sim-Tx for Hotspot onbody-wron	13.25	14.50
55830	55632	QPSK	1	0	1	99	2	0	DS13_Sim-Tx for Hotspot onbody-wron	12.99	14.50
56150	55952	QPSK	1	0	1	99	2	0	DS13_Sim-Tx for Hotspot onbody-wron	12.95	14.50
56640	56442	QPSK	1	0	1	99	2	0	DS13_Sim-Tx for Hotspot onbody-wron	12.97	14.50
55340	55538	QPSK	1	99	1	0	2	0	DS13 for body worn	15.48	16.90
55830	55632	QPSK	1	0	1	99	2	0	DS13 for body worn	15.49	16.90
56150	55952	QPSK	1	0	1	99	2	0	DS13 for body worn	15.50	16.90
56640	56442	QPSK	1	0	1	99	2	0	DS13 for body worn	15.40	16.90
55340	55538	QPSK	1	99	1	0	2	0	DIS6 for Handheld Standalone	20.78	22.20
55830	55632	QPSK	1	0	1	99	2	0	DIS6 for Handheld Standalone	20.76	22.20
56150	55952	QPSK	1	0	1	99	2	0	DIS6 for Handheld Standalone	20.77	22.20
56640	56442	QPSK	1	0	1	99	2	0	DIS6 for Handheld Standalone	20.72	22.20
55340	55538	QPSK	1	99	1	0	2	0	DIS6 for Handheld Sim-Tx	18.62	19.70
55830	55632	QPSK	1	0	1	99	2	0	DIS6 for Handheld Sim-Tx	18.64	19.70
56150	55952	QPSK	1	0	1	99	2	0	DIS6 for Handheld Sim-Tx	18.51	19.70
56640	56442	QPSK	1	0	1	99	2	0	DIS6 for Handheld Sim-Tx	18.56	19.70



Intra Uplink CA Power for UAT

CA_5B											
Combination 10MHz+10MHz (50RB+50RB)											
PCC Channel	SCC Channel	Modulation	PCC				Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune in Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
20450	20549	QPSK	1	0	0	0	1	0	DS14	22.92	24.00
20575	20476	QPSK	1	0	0	0	1	0	DS14	22.98	24.00
20600	20501	QPSK	1	0	0	0	1	0	DS14	22.95	24.00
20450	20549	QPSK	1	49	1	0	2	0	DS12 standalone for Head	20.01	21.30
20575	20476	QPSK	1	0	1	49	2	0	DS12 standalone for Head	20.14	21.30
20600	20501	QPSK	1	0	1	49	2	0	DS12 standalone for Head	20.02	21.30
20450	20549	QPSK	1	49	1	0	2	0	DS12 Sim-Tx for Head	19.18	20.50
20575	20476	QPSK	1	0	1	49	2	0	DS12 Sim-Tx for Head	19.27	20.50
20600	20501	QPSK	1	0	1	49	2	0	DS12 Sim-Tx for Head	19.23	20.50
20450	20549	QPSK	1	49	1	0	2	0	DS13 Sim-Tx for Hotspot on/body-worn	20.90	21.70
20575	20476	QPSK	1	0	1	49	2	0	DS13 Sim-Tx for Hotspot on/body-worn	21.04	21.70
20600	20501	QPSK	1	0	1	49	2	0	DS13 Sim-Tx for Hotspot on/body-worn	20.94	21.70

CA_66C											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
132072	132270	QPSK	1	0	0	0	1	0	DS14	22.32	24.00
132322	132124	QPSK	1	0	0	0	1	0	DS14	22.37	24.00
132572	132374	QPSK	1	0	0	0	1	0	DS14	22.29	24.00
132072	132270	QPSK	1	99	1	0	2	0	DS12 standalone for Head	17.00	17.90
132322	132124	QPSK	1	0	1	99	2	0	DS12 standalone for Head	17.02	17.90
132572	132374	QPSK	1	0	1	99	2	0	DS12 standalone for Head	16.89	17.90
132072	132270	QPSK	1	99	1	0	2	0	DS12 Sim-Tx for Head	15.29	16.60
132322	132124	QPSK	1	0	1	99	2	0	DS12 Sim-Tx for Head	15.31	16.60
132572	132374	QPSK	1	0	1	99	2	0	DS12 Sim-Tx for Head	15.05	16.60
132072	132270	QPSK	1	99	1	0	2	0	DS13 for body worn	17.42	18.40
132322	132124	QPSK	1	0	1	99	2	0	DS13 for body worn	17.49	18.40
132572	132374	QPSK	1	0	1	99	2	0	DS13 for body worn	17.45	18.40
132072	132270	QPSK	1	99	1	0	2	0	DS13 Sim-Tx for Hotspot on/body-worn	14.28	15.60
132322	132124	QPSK	1	0	1	99	2	0	DS13 Sim-Tx for Hotspot on/body-worn	14.67	15.60
132572	132374	QPSK	1	0	1	99	2	0	DS13 Sim-Tx for Hotspot on/body-worn	14.26	15.60
132072	132270	QPSK	1	99	1	0	2	0	DS16 for Handheld Standalone	21.74	22.60
132322	132124	QPSK	1	0	1	99	2	0	DS16 for Handheld Standalone	21.83	22.60
132572	132374	QPSK	1	0	1	99	2	0	DS16 for Handheld Standalone	21.58	22.60
132072	132270	QPSK	1	99	1	0	2	0	DS16 for Handheld Sim-Tx	18.86	20.10
132322	132124	QPSK	1	0	1	99	2	0	DS16 for Handheld Sim-Tx	18.95	20.10
132572	132374	QPSK	1	0	1	99	2	0	DS16 for Handheld Sim-Tx	18.57	20.10

CA_66B											
Combination 15MHz+5MHz (75RB+25RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
132047	132140	QPSK	1	0	0	0	1	0	DS14	22.18	24.00
132322	132229	QPSK	1	0	0	0	1	0	DS14	22.35	24.00
132597	132504	QPSK	1	0	0	0	1	0	DS14	22.21	24.00
132047	132140	QPSK	1	74	1	0	2	0	DS12 standalone for Head	16.98	17.90
132322	132229	QPSK	1	0	1	24	2	0	DS12 standalone for Head	17.00	17.90
132597	132504	QPSK	1	0	1	24	2	0	DS12 standalone for Head	16.89	17.90
132047	132140	QPSK	1	74	1	0	2	0	DS12_Sim-Tx for Head	15.24	16.60
132322	132229	QPSK	1	0	1	24	2	0	DS12_Sim-Tx for Head	15.27	16.60
132597	132504	QPSK	1	0	1	24	2	0	DS12_Sim-Tx for Head	15.11	16.60
132047	132140	QPSK	1	74	1	0	2	0	DS13 for body worn	17.36	18.40
132322	132229	QPSK	1	0	1	24	2	0	DS13 for body worn	17.45	18.40
132597	132504	QPSK	1	0	1	24	2	0	DS13 for body worn	17.34	18.40
132047	132140	QPSK	1	74	1	0	2	0	DS13_Sim-Tx for Hotspot on/body-worn	14.32	15.60
132322	132229	QPSK	1	0	1	24	2	0	DS13_Sim-Tx for Hotspot on/body-worn	14.53	15.60
132597	132504	QPSK	1	0	1	24	2	0	DS13_Sim-Tx for Hotspot on/body-worn	14.39	15.60
132047	132140	QPSK	1	74	1	0	2	0	DS16 for Handheld Standalone	21.68	22.60
132322	132229	QPSK	1	0	1	24	2	0	DS16 for Handheld Standalone	21.79	22.60
132597	132504	QPSK	1	0	1	24	2	0	DS16 for Handheld Standalone	21.45	22.60
132047	132140	QPSK	1	74	1	0	2	0	DS16 for Handheld Sim-Tx	19.52	20.10
132322	132229	QPSK	1	0	1	24	2	0	DS16 for Handheld Sim-Tx	19.92	20.10
132597	132504	QPSK	1	0	1	24	2	0	DS16 for Handheld Sim-Tx	19.77	20.10



DL CA Power

Full Power															
2CC															
Configure	CA Configuration (BCS)	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	CA_4A-48A	4	20	1732.5	20175	QPSK	1	0	48	20	3625	55990	22.44	22.84	
	CA_5A-41A	5	10	836.5	20525	QPSK	1	0	41	20	2593	40620	22.66	22.71	
	CA_25A-41A	25	20	1860	26140	QPSK	1	0	41	20	2593	40620	22.67	22.87	
	CA_26A-41A	26	15	821.5	26765	QPSK	1	0	41	20	2593	40620	22.57	22.54	

3CC																		
Configure	CA Configuration (BCS)	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	CA_2A-2A-4A	2	20	1860	18700	QPSK	1	0	2	5	1987.5	1175	4	20	2132.5	2175	22.54	22.74
	CA_2A-2A-6A	2	20	1860	18700	QPSK	1	0	2	5	1987.5	1175	5	10	881.5	2525	22.61	22.74
	CA_2C-12A	2	20	1860	18700	QPSK	1	0	2	20	1959.8	898	12	10	737.5	5095	22.52	22.74
	CA_2A-2A-12A	2	20	1860	18700	QPSK	1	0	2	5	1987.5	1175	12	10	737.5	5095	22.50	22.74
	CA_2A-2A-13A	2	20	1860	18700	QPSK	1	0	2	5	1987.5	1175	13	10	751	5230	22.48	22.74
	CA_2A-2A-14A	2	20	1860	18700	QPSK	1	0	2	5	1987.5	1175	14	10	763	5330	22.47	22.74
	CA_2A-2A-29A	2	20	1860	18700	QPSK	1	0	2	5	1987.5	1175	29	10	722.5	9715	22.52	22.74
	CA_2A-2A-30A	2	20	1860	18700	QPSK	1	0	2	5	1987.5	1175	30	10	2355	9820	22.49	22.74
	CA_2C-66A	2	20	1860	18700	QPSK	1	0	2	20	1959.8	898	66	20	2145	66786	22.57	22.74
	CA_2A-2A-66A	2	20	1860	18700	QPSK	1	0	2	5	1987.5	1175	66	20	2145	66786	22.61	22.74
	CA_2A-2A-71A	2	20	1860	18700	QPSK	1	0	2	5	1987.5	1175	71	20	637	68786	22.52	22.74
	CA_2A-4A-4A	2	20	1860	18700	QPSK	1	0	4	20	2145	2300	4	5	2112.5	1975	22.54	22.74
	CA_2A-4A-5A	2	20	1860	18700	QPSK	1	0	4	20	2132.5	2175	5	10	881.5	2525	22.59	22.74
	CA_2A-4A-12A	2	20	1860	18700	QPSK	1	0	4	20	2132.5	2175	12	10	737.5	5095	22.55	22.74
	CA_2A-4A-13A	2	20	1860	18700	QPSK	1	0	4	20	2132.5	2175	13	10	751	5230	22.54	22.74
	CA_2A-4A-29A	2	20	1860	18700	QPSK	1	0	4	20	2132.5	2175	29	10	722.5	9715	22.53	22.74
	CA_2A-4A-30A	2	20	1860	18700	QPSK	1	0	4	20	2132.5	2175	30	10	2355	9820	22.57	22.74
	CA_2A-4A-71A	2	20	1860	18700	QPSK	1	0	4	20	2132.5	2175	71	20	637	68786	22.63	22.74
	CA_2A-5B	2	20	1860	18700	QPSK	1	0	5	10	874	2450	5	5	881.2	2522	22.50	22.74
	CA_2A-5A-30A	2	20	1860	18700	QPSK	1	0	5	10	881.5	2525	30	10	2355	9820	22.42	22.74
	CA_2A-5A-48A	2	20	1860	18700	QPSK	1	0	5	10	881.5	2525	48	20	3625	55990	22.46	22.74
	CA_2A-5A-66A	2	20	1860	18700	QPSK	1	0	5	10	881.5	2525	66	20	2145	66786	22.47	22.74
	CA_2A-12B	2	20	1860	18700	QPSK	1	0	12	10	740	5120	12	5	732.8	5048	22.61	22.74
	CA_2A-12A-30A	2	20	1860	18700	QPSK	1	0	12	10	737.5	5095	30	10	2355	9820	22.43	22.74
	CA_2A-12A-66A	2	20	1860	18700	QPSK	1	0	12	10	737.5	5095	66	20	2145	66786	22.63	22.74
	CA_2A-13A-48A	2	20	1860	18700	QPSK	1	0	13	10	751	5230	48	20	3625	55990	22.47	22.74
	CA_2A-13A-66A	2	20	1860	18700	QPSK	1	0	13	10	751	5230	66	20	2145	66786	22.46	22.74
	CA_2A-14A-30A	2	20	1860	18700	QPSK	1	0	14	10	763	5330	30	10	2355	9820	22.36	22.74
	CA_2A-14A-66A	2	20	1860	18700	QPSK	1	0	14	10	763	5330	66	20	2145	66786	22.51	22.74
	CA_2A-29A-30A	2	20	1860	18700	QPSK	1	0	29	10	722.5	9715	30	10	2355	9820	22.47	22.74
	CA_2A-29A-66A	2	20	1860	18700	QPSK	1	0	29	10	722.5	9715	66	20	2145	66786	22.49	22.74
	CA_2A-30A-66A	2	20	1860	18700	QPSK	1	0	30	10	2355	9820	66	20	2145	66786	22.45	22.74
	CA_2A-48C	2	20	1860	18700	QPSK	1	0	48	20	3625	55990	48	20	3605.2	55792	22.51	22.74
	CA_2A-48A-48A	2	20	1860	18700	QPSK	1	0	48	20	3690	56640	48	5	3552.5	55265	22.77	22.74
	CA_2A-48A-66A	2	20	1860	18700	QPSK	1	0	48	20	3625	55990	66	20	2145	66786	22.43	22.74
	CA_2A-66B	2	20	1860	18700	QPSK	1	0	66	5	2187.8	67214	66	10	2195	67286	22.65	22.74
	CA_2A-66C	2	20	1860	18700	QPSK	1	0	66	20	2185	67186	66	5	2196.7	67303	22.74	22.74
	CA_2A-66A-66A	2	20	1860	18700	QPSK	1	0	66	20	2120	66536	66	20	2190	67236	22.58	22.74
	CA_2A-66A-71A	2	20	1860	18700	QPSK	1	0	66	20	2145	66786	71	20	637	68786	22.65	22.74
	CA_4A-4A-5A	4	20	1732.5	20175	QPSK	1	0	4	5	2152.5	2375	5	10	881.5	2525	22.39	22.84
	CA_4A-4A-12A	4	20	1732.5	20175	QPSK	1	0	4	5	2152.5	2375	12	10	737.5	5095	22.46	22.84
	CA_4A-4A-13A	4	20	1732.5	20175	QPSK	1	0	4	5	2152.5	2375	13	10	751	5230	22.40	22.84
	CA_4A-4A-29A	4	20	1732.5	20175	QPSK	1	0	4	5	2152.5	2375	29	10	722.5	9715	22.53	22.84
	CA_4A-4A-30A	4	20	1732.5	20175	QPSK	1	0	4	5	2152.5	2375	30	10	2355	9820	22.33	22.84
	CA_4A-4A-71A	4	20	1732.5	20175	QPSK	1	0	4	5	2152.5	2375	71	20	634.5	68786	22.44	22.84
	CA_4A-5B	4	20	1732.5	20175	QPSK	1	0	5	10	874	2450	5	5	881.2	2522	22.40	22.84
	CA_4A-5A-30A	4	20	1732.5	20175	QPSK	1	0	5	10	881.5	2525	30	10	2355	9820	22.51	22.84
	CA_4A-12B	4	20	1732.5	20175	QPSK	1	0	12	10	740	5120	12	5	732.8	5048	22.44	22.84
	CA_4A-12A-30A	4	20	1732.5	20175	QPSK	1	0	12	10	737.5	5095	30	10	2355	9820	22.37	22.84
	CA_4A-29A-30A	4	20	1732.5	20175	QPSK	1	0	29	10	722.5	9715	30	10	2355	9820	22.31	22.84
	CA_4A-48C	4	20	1732.5	20175	QPSK	1	0	48	20	3625	55990	48	20	3605.2	55792	22.36	22.84
	CA_5B-30A	5	10	836.5	20525	QPSK	1	0	5	5	888.7	2597	30	10	2355	9820	22.63	22.71
	CA_5B-66A	5	10	836.5	20525	QPSK	1	0	5	5	888.7	2597	66	20	2145	66786	22.63	22.71
	CA_5A-66B	5	10	836.5	20525	QPSK	1	0	66	5	2187.8	67214	66	10	2195	67286	22.44	22.71
	CA_5A-66C	5	10	836.5	20525	QPSK	1	0	66	20	2185	67186	66	5	2196.7	67303	22.42	22.71
	CA_5A-5A-66A	5	10	836.5	20525	QPSK	1	0	5	5	891.5	2625	66	20	2145	66786	22.10	22.71
	CA_5A-30A-66A	5	10	836.5	20525	QPSK	1	0	30	10	2355	9820	66	20	2145	66786	22.40	22.71
	CA_5A-48C	5	10	836.5	20525	QPSK	1	0	48	20	3625	55990	48	20	3605.2	55792	22.34	22.71
	CA_5A-48A-66A	5	10	836.5	20525	QPSK	1	0	48	20	3625	55990	66	20	2145	66786	22.46	22.71
	CA_5A-66A-66A	5	10	836.5	20525	QPSK	1	0	66	20	2120	66536	66	20	2190	67236	22.39	22.71
	CA_12B-66A	12	10	711	23130	QPSK	1	49	12	5	733.8	5058	66	20	2145	66786	22.31	22.93
	CA_12A-30A-66A	12	10	711	23130	QPSK	1	49	30	10	2355	9820	66	20	2145	66786	22.32	22.93
	CA_12A-66C	12	10	711	23130	QPSK	1	49	66	20	2185	67186	66	5	2196.7	67303	22.23	22.93
	CA_12A-66A-66A	12	10	711	23130	QPSK	1	49	66	20	2120	66536	66	20	2190	67236	22.04	22.93
	CA_13A-48C	13	10	782	23230	QPSK	1	25	48	20								



n2_Ant 2 (DS4)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				370000	376000	380000	24.0	0.0	
Frequency (MHz)				1860	1880	1900			
20	Pi/2 BPSK	1	1	23.00	22.88	23.01	24.0	0.0	
20	Pi/2 BPSK	1	53	22.50	22.80	23.10			
20	Pi/2 BPSK	1	104	22.86	22.86	23.05			
20	Pi/2 BPSK	50	0	22.42	22.30	22.45	23.5	0.5	
20	Pi/2 BPSK	50	28	22.91	22.82	23.06	24.0	0.0	
20	Pi/2 BPSK	50	56	22.39	22.35	22.51	23.5	0.5	
20	Pi/2 BPSK	100	0	22.42	22.34	22.46	24.0	0.0	
20	QPSK	1	1	22.98	22.86	22.91			
20	QPSK	1	53	22.93	22.83	23.06			
20	QPSK	1	104	22.90	22.88	23.03	23.0	1.0	
20	QPSK	50	0	21.94	21.82	21.98			
20	QPSK	50	28	22.57	22.81	23.01			
20	QPSK	50	56	21.86	21.85	22.05	23.0	1.0	
20	QPSK	100	0	21.92	21.83	21.97	23.0	1.0	
20	16QAM	1	1	21.86	21.80	21.85			
20	64QAM	1	1	20.21	20.17	20.14			
20	256QAM	1	1	18.61	18.54	18.55	19.5	4.5	
Channel				371500	376000	381000	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	Pi/2 BPSK	1	1	23.02	22.87	23.04	24.0	0.0	
Channel				372000	376000	381000	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855 <th>1880</th> <th>1905</th>	1880	1905			
10	Pi/2 BPSK	1	1	23.00	22.90	23.06	24.0	0.0	
Channel				370500	376000	381500	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5 <th>1880<th>1907.5</th></th>	1880 <th>1907.5</th>	1907.5			
5	Pi/2 BPSK	1	1	23.02	23.00	23.08	24.0	0.0	

Full Power Mode for UAT											
n5_Ant 2 (DS13,DS14,DS16)											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				166800	167300	167800	24.0	0.0			
Frequency (MHz)				834	836.5	839					
20	Pi/2 BPSK	1	1	23.18	23.07	22.92	24.0	0.0			
20	Pi/2 BPSK	1	53	22.86	22.82	22.73					
20	Pi/2 BPSK	1	104	22.66	22.53	22.53	24.0	0.0			
20	Pi/2 BPSK	50	0	23.06	22.92	22.92					
20	Pi/2 BPSK	50	28	22.99	22.91	22.84	24.0	0.0			
20	Pi/2 BPSK	50	56	22.75	22.74	22.64					
20	Pi/2 BPSK	100	0	23.02	22.91	22.86	24.0	0.0			
20	QPSK	1	1	23.16	23.11	22.96					
20	QPSK	1	53	22.80	22.82	22.74	24.0	0.0			
20	QPSK	1	104	22.59	22.55	22.53					
20	QPSK	50	0	22.60	22.47	22.40	24.0	0.0			
20	QPSK	50	28	22.39	22.34	22.28					
20	QPSK	50	56	22.22	22.21	22.12	24.0	0.0			
20	QPSK	100	0	22.47	22.41	22.33					
20	16QAM	1	1	22.61	22.48	22.41	24.0	0.0			
20	64QAM	1	1	21.10	21.02	20.95		2.5			
20	256QAM	1	1	18.91	18.77	18.72	19.5	4.5			
Channel				166300	167300	168300					
Frequency (MHz)				831.5	836.5	841.5					
15	Pi/2 BPSK	1	1	23.16	22.95	22.83	24.0	0.0			
Channel				165800	167300	168800					
Frequency (MHz)				820	836.5	844					
10	Pi/2 BPSK	1	1	23.14	22.91	22.78	24.0	0.0			
Channel				165300	167300	169300					
Frequency (MHz)				826.5	836.5	846.5					
5	Pi/2 BPSK	1	1	23.15	22.88	22.69	24.0	0.0			

n12_Ant 2 (DSi2,DSi3,DSi3_Sim,DSi4,DSi6)											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				141300	141500	141700	24.0	0.0			
Frequency (MHz)				706.5	707.5	708.5					
15	PI2 BPSK	1	1	23.12	23.02	22.98	24.0	0.0			
15	PI2 BPSK	1	40	22.81	22.93	22.87					
15	PI2 BPSK	1	77	22.71	22.69	22.68	24.0	0.0			
15	PI2 BPSK	36	0	22.97	22.93	22.84					
15	PI2 BPSK	36	22	22.74	22.85	22.86	24.0	0.0			
15	PI2 BPSK	36	43	22.79	22.72	22.71					
15	PI2 BPSK	75	0	22.84	22.82	22.77	24.0	0.0			
15	QPSK	1	1	22.97	22.84	22.85					
15	QPSK	1	40	22.78	22.85	22.79	24.0	0.0			
15	QPSK	1	77	22.62	22.60	22.55					
15	QPSK	36	0	22.95	22.94	22.93	24.0	0.0			
15	QPSK	36	22	22.83	22.78	22.74					
15	QPSK	36	43	22.81	22.75	22.70	24.0	0.0			
15	QPSK	75	0	22.88	22.86	22.83					
15	16QAM	1	1	22.30	22.28	22.21	24.0	0.0			
15	64QAM	1	1	20.91	20.87	20.81		2.5			
15	256QAM	1	1	18.83	18.78	18.72	19.5	4.5			
Channel				140300	141500	142700					
Frequency (MHz)				704	707.5	711					
10	PI2 BPSK	1	1	23.09	23.07	22.95	24.0	0.0			
Channel				140300	141500	142700					
Frequency (MHz)				701.5	707.5	713.5					
5	PI2 BPSK	1	1	23.06	22.92	22.71	24.0	0.0			



n25_Ant 2 (DSI4)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				1870	1882.5	1885	24.0	0.0	
Frequency (MHz)									
40	PI/2 BPSK	1	1	23.08	23.11	22.98			
40	PI/2 BPSK	1	108	23.00	23.03	22.98			
40	PI/2 BPSK	1	214	22.94	22.97	22.87	23.5	0.5	
40	PI/2 BPSK	108	0	22.33	22.35	22.31			
40	PI/2 BPSK	108	54	22.71	22.95	22.67			
40	PI/2 BPSK	108	108	22.13	22.16	22.08			
40	PI/2 BPSK	216	0	22.95	22.95	22.91	24.0	0.0	
40	QPSK	1	1	23.05	23.10	23.01			
40	QPSK	1	108	22.98	23.03	22.89			
40	QPSK	1	214	22.86	22.91	22.70			
40	QPSK	108	0	22.07	22.09	22.03	23.0	1.0	
40	QPSK	108	54	22.91	22.95	22.84			
40	QPSK	108	108	22.02	22.04	21.94			
40	QPSK	216	0	22.13	22.16	22.12			
40	16QAM	1	1	21.98	22.09	21.98	23.0	1.0	
40	64QAM	1	1	20.48	20.53	20.24			
40	256QAM	1	1	18.84	18.89	18.85			
Channel				1865	1882.5	1900		Tune-up limit (dB)	
30	PI/2 BPSK	1	1	23.09	22.98	22.95	24.0	0.0	
Channel				372000	376500	381000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1900	24.0	0.0	
25	PI/2 BPSK	1	1	23.01	23.02	22.91			
Channel				372000	376500	381000			
Frequency (MHz)				1860	1882.5	1905			
20	PI/2 BPSK	1	1	23.03	22.99	22.88	24.0	0.0	
Channel				371000	376500	381000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				1857.5	1882.5	1907.5	24.0	0.0	
15	PI/2 BPSK	1	1	23.07	23.02	22.90			
Channel				371000	376500	382000			
Frequency (MHz)				1855	1882.5	1910			
10	PI/2 BPSK	1	1	23.02	23.06	22.89	24.0	0.0	
Channel				370500	376500	382500	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				1852.5	1882.5	1912.5	24.0	0.0	
5	PI/2 BPSK	1	1	23.07	23.00	22.85			

n26_Ant 2 (DSI3,DSI4,DSI6)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				824	831.5	839	24.0	0.0	
Frequency (MHz)									
20	PI/2 BPSK	1	1	23.29	23.04	22.90			
20	PI/2 BPSK	1	53	22.92	22.78	22.68			
20	PI/2 BPSK	1	104	22.68	22.57	22.44	24.0	0.0	
20	PI/2 BPSK	50	0	23.09	22.93	22.74			
20	PI/2 BPSK	50	28	23.02	22.84	22.64			
20	PI/2 BPSK	50	56	22.90	22.65	22.60			
20	PI/2 BPSK	100	0	23.05	22.82	22.65	24.0	0.0	
20	QPSK	1	1	23.11	22.99	22.89			
20	QPSK	1	53	22.99	22.82	22.62			
20	QPSK	1	104	22.78	22.63	22.52			
20	QPSK	50	0	22.69	22.65	22.28	24.0	0.0	
20	QPSK	50	28	22.59	22.40	22.25			
20	QPSK	50	56	22.52	22.21	22.25			
20	QPSK	100	0	22.63	22.42	22.35			
20	16QAM	1	1	22.53	22.31	22.10	24.0	0.0	
20	64QAM	1	1	21.26	21.07	20.89			
20	256QAM	1	1	19.41	19.23	18.99			
Channel				16300	16500	16800		Tune-up limit (dBm)	
Frequency (MHz)				821.5	831.5	841.5	24.0	0.0	
15	PI/2 BPSK	1	1	23.12	23.01	22.77			
Channel				163800	166300	168800		Tune-up limit (dB)	
Frequency (MHz)				810	831.5	844		0.0	
10	PI/2 BPSK	1	1	23.15	23.08	22.88	24.0	0.0	
Channel				163300	166300	168300	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5	24.0	0.0	
5	PI/2 BPSK	1	1	23.08	22.99	22.78			

n30_Ant 2 (DSI4)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					2310		24.0	0.0	
Frequency (MHz)									
10	PI/2 BPSK	1	1		23.12				
10	PI/2 BPSK	1	26		22.98				
10	PI/2 BPSK	1	50		23.10		24.0	0.0	
10	PI/2 BPSK	25	0		23.04				
10	PI/2 BPSK	25	13		22.95				
10	PI/2 BPSK	25	26		22.98				
10	PI/2 BPSK	50	0		23.06		24.0	0.0	
10	QPSK	1	1		23.07				
10	QPSK	1	26		22.89				
10	QPSK	1	50		23.06				
10	QPSK	25	0		22.51		24.0	0.0	
10	QPSK	25	13		22.98				
10	QPSK	25	26		22.84				
10	QPSK	50	0		22.51				
10	16QAM	1	1		22.34		23.0	1.0	
10	64QAM	1	1		20.83				
10	256QAM	1	1		18.78				
Channel				461500	462000	462500		Tune-up limit (dB)	
Frequency (MHz)				2307.5	2310	2312.5	24.0	0.0	
5	PI/2 BPSK	1	1		23.00	22.98			

n66_Ant 2 (DSI4)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	353000	24.0	0.0	
Frequency (MHz)				1720	1745	1760			
40	PI2 BPSK	1	1	23.23	23.16	23.15	24.0	0.0	
40	PI2 BPSK	1	108	23.28	23.18	23.12			
40	PI2 BPSK	1	214	23.19	23.14	23.10			
40	PI2 BPSK	108	0	22.22	22.19	22.16	23.5	0.5	
40	PI2 BPSK	108	54	23.27	23.19	23.16	24.0	0.0	
40	PI2 BPSK	108	108	22.42	22.39	22.11	23.5	0.5	
40	PI2 BPSK	216	0	22.26	22.19	22.16			
40	QPSK	1	1	23.08	23.04	23.05			
40	QPSK	1	108	23.12	23.14	23.11	24.0	0.0	
40	QPSK	1	214	23.10	23.05	23.02			
40	QPSK	108	0	21.73	21.64	21.67	23.0	1.0	
40	QPSK	108	54	23.26	23.20	23.17	24.0	0.0	
40	QPSK	108	108	21.90	21.75	21.85	23.0	1.0	
40	QPSK	216	0	21.88	21.69	21.62			
40	16QAM	1	1	21.72	21.67	21.82	23.0	1.0	
40	64QAM	1	1	20.36	20.30	20.35	21.5	2.5	
40	256QAM	1	1	18.31	18.28	18.19	19.5	4.5	
Channel				343500	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	24.0	0.0	
30	PI2 BPSK	1	1	23.05	23.25	23.05			
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	24.0	0.0	
20	PI2 BPSK	1	1	23.07	23.18	23.17			
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	24.0	0.0	
15	PI2 BPSK	1	1	23.20	23.25	23.14			
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	24.0	0.0	
10	PI2 BPSK	1	1	23.22	23.17	23.20			
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5 <td>1745</td> <td>1777.5</td> <th rowspan="2">24.0</th> <th colspan="2" rowspan="2">0.0</th>	1745	1777.5	24.0	0.0	
5	PI2 BPSK	1	1	23.09	23.08	23.16			

n71_Ant 2 (DSI2,DSI3,DSI4,DSI6)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134500	136100	137600	24.0	0.0	
Frequency (MHz)				673	680.5	688			
20	PI/2 BPSK	1	1	23.35	23.10	22.95	24.0	0.0	
20	PI/2 BPSK	1	53	23.05	22.92	22.76			
20	PI/2 BPSK	1	104	22.87	22.68	22.43			
20	PI/2 BPSK	50	0	22.12	21.88	21.79	23.5	0.5	
20	PI/2 BPSK	50	28	23.00	22.87	22.64	23.5	0.5	
20	PI/2 BPSK	50	56	21.91	21.66	21.52	23.5	0.5	
20	PI/2 BPSK	100	0	22.03	21.93	21.64			
20	QPSK	1	1	23.13	23.03	22.86			
20	QPSK	1	53	22.89	22.83	22.68	24.0	0.0	
20	QPSK	1	104	22.78	22.65	22.38			
20	QPSK	50	0	21.52	21.39	21.30	23.0	1.0	
20	QPSK	50	28	23.05	22.93	22.64	23.5	0.5	
20	QPSK	50	56	21.42	21.17	21.02	23.0	1.0	
20	QPSK	100	0	21.52	21.44	21.14			
20	16QAM	1	1	21.93	21.82	21.65	23.0	1.0	
20	64QAM	1	1	20.22	20.10	19.97	21.5	2.5	
20	256QAM	1	1	18.41	18.32	18.16	19.5	4.5	
Channel				134100	135100	136100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5	24.0	0.0	
15	PI/2 BPSK	1	1	23.33	23.05	22.81			
Channel				133900	136100	138600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693	24.0	0.0	
10	PI/2 BPSK	1	1	23.32	23.04	22.88			
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	680.5	695.5	24.0	0.0	
5	PI/2 BPSK	1	1	23.30	22.89	22.67			

n77_FCC_Ant 4 (DS12,DS14)							
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	650000	650000	MPR (dB)
Frequency (MHz)				3750	3840	3850	
100	Pi/2 BPSK	1	1	23.12	23.06	22.86	24.0
100	Pi/2 BPSK	1	137	23.31	23.08	22.76	
100	Pi/2 BPSK	1	271	23.26	22.85	22.64	
100	Pi/2 BPSK	135	0	22.64	22.44	22.27	24.0
100	Pi/2 BPSK	135	69	23.26	23.06	22.74	
100	Pi/2 BPSK	135	138	22.71	22.37	22.23	
100	Pi/2 BPSK	270	0	22.67	22.35	22.19	23.5
100	QPSK	1	1	23.08	23.01	22.78	24.0
100	QPSK	1	137	23.28	22.73	22.51	
100	QPSK	1	271	23.06	22.29	22.24	
100	QPSK	135	0	22.16	22.06	22.01	24.0
100	QPSK	135	69	23.21	22.85	22.21	
100	QPSK	135	138	22.18	22.19	22.13	
100	QPSK	270	0	22.21	22.03	22.13	23.0
100	16QAM	1	1	22.21	22.16	21.86	23.0
100	64QAM	1	1	20.57	20.43	19.86	21.5
100	256QAM	1	1	18.54	18.72	18.42	19.5
Channel				649334	650000	650668	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3940.02	MPR (dB)
80	Pi/2 BPSK	1	1	23.01	23.03	22.71	24.0
Channel				648668	650000	653334	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3950.01	MPR (dB)
60	Pi/2 BPSK	1	1	23.15	23.12	22.81	24.0
Channel				648000	650000	654000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	MPR (dB)
40	Pi/2 BPSK	1	1	23.15	23.22	23.02	24.0
Channel				647668	650000	654334	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3965.01	MPR (dB)
30	Pi/2 BPSK	1	1	23.19	23.08	22.98	24.0
Channel				647334	650000	654668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3970.02	MPR (dB)
20	Pi/2 BPSK	1	1	23.01	23.22	23.02	24.0

n78_FCC_Ant 4 (DS12,DS14)							
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	650000	650000	MPR (dB)
Frequency (MHz)				3750	3750	3750	
100	Pi/2 BPSK	1	1		22.98		24.0
100	Pi/2 BPSK	1	137		23.09		
100	Pi/2 BPSK	1	271		22.77		
100	Pi/2 BPSK	135	0		22.56		24.0
100	Pi/2 BPSK	135	69		22.75		
100	Pi/2 BPSK	135	138		22.46		
100	Pi/2 BPSK	270	0		22.39		23.5
100	QPSK	1	1		22.91		24.0
100	QPSK	1	137		22.94		
100	QPSK	1	271		22.57		
100	QPSK	135	0		22.41		24.0
100	QPSK	135	69		22.97		
100	QPSK	135	138		22.38		
100	QPSK	270	0		22.03		23.0
100	16QAM	1	1		22.12		23.0
100	64QAM	1	1		20.43		21.5
100	256QAM	1	1		18.64		19.5
Channel				648668	650000	650334	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3755.01	MPR (dB)
90	Pi/2 BPSK	1	1		22.99	22.82	24.0
Channel				649334	650000	650668	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3760.02	MPR (dB)
80	Pi/2 BPSK	1	1		22.96	22.82	24.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	MPR (dB)
70	Pi/2 BPSK	1	1		22.94	23.00	24.0
Channel				648668	650000	651334	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3770.01	MPR (dB)
60	Pi/2 BPSK	1	1		23.01	23.04	24.0
Channel				648334	650000	651668	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3775.02	MPR (dB)
50	Pi/2 BPSK	1	1		23.06	23.08	24.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	MPR (dB)
40	Pi/2 BPSK	1	1		23.03	23.05	24.0
Channel				647668	650000	652334	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3785.01	MPR (dB)
30	Pi/2 BPSK	1	1		22.99	23.01	24.0
Channel				647334	650000	652668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3790.02	MPR (dB)
20	Pi/2 BPSK	1	1		22.97	23.07	24.0



DSI2_standalone for Head for UAT

n2_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				1860	1880	1900	15.7	0.0
Frequency (MHz)				1860	1880	1900		
20	Pi/2 BPSK	1	1	14.53	14.77	14.65	15.7	0.0
20	Pi/2 BPSK	1	53	14.50	14.53	14.75		
20	Pi/2 BPSK	1	104	14.51	14.54	14.63	15.7	0.0
20	Pi/2 BPSK	50	0	14.52	14.52	14.75		
20	Pi/2 BPSK	50	28	14.54	14.48	14.75	15.7	0.0
20	Pi/2 BPSK	50	56	14.50	14.56	14.70		
20	Pi/2 BPSK	100	0	14.50	14.52	14.72	15.7	0.0
20	QPSK	1	1	14.63	14.41	14.68		
20	QPSK	1	53	14.62	14.43	14.65	15.7	0.0
20	QPSK	1	104	14.61	14.61	14.76		
20	QPSK	50	0	14.55	14.50	14.65	15.7	0.0
20	QPSK	50	28	14.53	14.51	14.75		
20	QPSK	50	56	14.52	14.55	14.72	15.7	0.0
20	QPSK	100	0	14.56	14.46	14.68		
20	16QAM	1	1	14.70	14.50	14.66	15.7	0.0
20	64QAM	1	1	14.46	14.42	14.32		
20	256QAM	1	1	14.61	14.59	14.71	15.7	0.0
Channel				375000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5	15.7	0.0
15	Pi/2 BPSK	1	1	14.33	14.66	14.51		
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1853	1890	1905 <th rowspan="2">15.7</th> <th rowspan="2">0.0</th>	15.7	0.0
10	Pi/2 BPSK	1	1	14.43	14.67	14.63		
Channel				370000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5 <th rowspan="2">15.7</th> <th rowspan="2">0.0</th>	15.7	0.0
5	Pi/2 BPSK	1	1	14.54	14.62	14.62		

n5_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	23.3	0.0
Frequency (MHz)				834	836.5	839		
20	Pi/2 BPSK	1	1	22.38	22.29	22.36	23.3	0.0
20	Pi/2 BPSK	1	53	22.04	22.21	21.97		
20	Pi/2 BPSK	1	104	21.76	21.45	21.50	23.3	0.0
20	Pi/2 BPSK	50	0	22.28	22.00	22.02		
20	Pi/2 BPSK	50	28	22.11	21.85	21.87	23.3	0.0
20	Pi/2 BPSK	50	56	21.90	21.71	21.70		
20	Pi/2 BPSK	100	0	22.10	21.96	21.92	23.3	0.0
20	QPSK	1	1	22.37	22.30	22.20		
20	QPSK	1	53	22.20	21.98	21.91	23.3	0.0
20	QPSK	1	104	21.84	21.73	21.63		
20	QPSK	50	0	22.29	22.05	22.03	23.3	0.0
20	QPSK	50	28	22.10	22.03	21.88		
20	QPSK	50	56	21.94	21.90	21.74	23.3	0.0
20	QPSK	100	0	22.14	22.12	21.92		
20	16QAM	1	1	22.16	22.07	21.80	23.3	0.0
20	64QAM	1	1	21.10	21.02	20.95		
20	256QAM	1	1	18.91	18.77	18.72	19.5	3.8
Channel				166300	167700	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	834.5	841.5		
15	Pi/2 BPSK	1	1	22.26	22.29	22.30	23.3	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				820	836.5	844		
10	Pi/2 BPSK	1	1	22.19	22.13	22.17	23.3	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	Pi/2 BPSK	1	1	22.27	22.16	22.26	23.3	0.0

n25_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000	15.7	0.0
Frequency (MHz)				1870	1882.5	1895		
40	Pi/2 BPSK	1	1	14.68	14.78	14.54	15.7	0.0
40	Pi/2 BPSK	1	108	14.62	14.52	14.50		
40	Pi/2 BPSK	1	214	14.53	14.60	14.54	15.7	0.0
40	Pi/2 BPSK	108	0	14.33	14.47	14.35		
40	Pi/2 BPSK	108	54	14.43	14.49	14.41	15.7	0.0
40	Pi/2 BPSK	108	108	14.42	14.48	14.34		
40	Pi/2 BPSK	216	0	14.54	14.55	14.50	15.7	0.0
40	QPSK	1	1	14.72	14.59	14.65		
40	QPSK	1	108	14.54	14.45	14.50	15.7	0.0
40	QPSK	1	214	14.53	14.54	14.37		
40	QPSK	108	0	14.45	14.55	14.53	15.7	0.0
40	QPSK	108	54	14.47	14.53	14.42		
40	QPSK	108	108	14.45	14.59	14.65	15.7	0.0
40	QPSK	216	0	14.48	14.60	14.75		
40	16QAM	1	1	14.51	14.78	14.71	15.7	0.0
40	64QAM	1	1	14.59	14.50	14.48		
40	256QAM	1	1	14.49	14.67	14.69	15.7	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900	15.7	0.0
30	Pi/2 BPSK	1	1	14.50	14.71	14.72		
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5 <td rowspan="2">15.7</td> <td rowspan="2">0.0</td>	15.7	0.0
25	Pi/2 BPSK	1	1	14.62	14.65	14.59		
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905 <td rowspan="2">15.7</td> <td rowspan="2">0.0</td>	15.7	0.0
20	Pi/2 BPSK	1	1	14.74	14.62	14.69		
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1897.5 <td rowspan="2">15.7</td> <td rowspan="2">0.0</td>	15.7	0.0
15	Pi/2 BPSK	1	1	14.73	14.77	14.37		
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910 <td rowspan="2">15.7</td> <td rowspan="2">0.0</td>	15.7	0.0
10	Pi/2 BPSK	1	1	14.73	14.60	14.74		
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5 <td rowspan="2">15.7</td> <td rowspan="2">0.0</td>	15.7	0.0
5	Pi/2 BPSK	1	1	14.76	14.59	14.35		

n26_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				824	831.5	839	23.3	0.0	
Frequency (MHz)									
20	Pi/2 BPSK	1	1	22.42	22.24	22.20	23.3	0.0	
20	Pi/2 BPSK	1	53	21.94	21.77	21.56			
20	Pi/2 BPSK	1	104	21.72	21.51	21.49			
20	Pi/2 BPSK	50	0	22.24	22.14	22.00	23.3	0.0	
20	Pi/2 BPSK	50	28	22.04	21.84	21.63	23.3	0.0	
20	Pi/2 BPSK	50	56	21.90	21.63	21.60	23.3	0.0	
20	Pi/2 BPSK	100	0	22.05	21.86	21.69			
20	QPSK	1	1	22.22	22.05	22.20			
20	QPSK	1	53	21.73	21.79	21.79	23.3	0.0	
20	QPSK	1	104	21.77	21.66	21.71	23.3	0.0	
20	QPSK	50	0	22.13	22.03	21.88			
20	QPSK	50	28	21.85	21.82	21.97			
20	QPSK	50	56	21.73	21.79	21.50	23.3	0.0	
20	QPSK	100	0	22.01	21.85	21.86			
20	16QAM	1	1	22.14	21.98	22.08		23.3	
20	64QAM	1	1	21.26	21.07	20.89	21.5	1.8	
20	256QAM	1	1	19.41	19.23	18.89	19.5	3.8	
Channel				16330	16330	16330	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				821.5	831.5	841.5			
15	Pi/2 BPSK	1	1	22.41	22.36	22.27	23.3	0.0	
Channel				16380	16630	16880	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				814	831.5	844			
10	Pi/2 BPSK	1	1	22.34	22.23	22.11	23.3	0.0	
Channel				16330	16630	16930	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	Pi/2 BPSK	1	1	22.28	22.05	22.17	23.3	0.0	

n30_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				462000			17.5	0.0	
Frequency (MHz)				2310					
10	Pi/2 BPSK	1	1		16.63				
10	Pi/2 BPSK	1	26		16.61			17.5	0.0
10	Pi/2 BPSK	1	50		16.51				
10	Pi/2 BPSK	25	0		16.54			17.5	0.0
10	Pi/2 BPSK	25	13		16.53			17.5	0.0
10	Pi/2 BPSK	25	26		16.47				
10	Pi/2 BPSK	50	0		16.45			17.5	0.0
10	QPSK	1	1		16.51				
10	QPSK	1	26		16.42			17.5	0.0
10	QPSK	1	50		16.35				
10	QPSK	25	0		16.36			17.5	0.0
10	QPSK	25	13		16.45			17.5	0.0
10	QPSK	25	26		16.53			17.5	0.0
10	QPSK	50	0		16.42				
10	16QAM	1	1		16.32			17.5	0.0
10	64QAM	1	1		16.23			17.5	0.0
10	256QAM	1	1		16.45			17.5	0.0
Channel				461500	462000	462500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2307.5	2310	2312.5			
5	Pi/2 BPSK	1	1	16.28	16.46	16.44	17.5	0.0	

n66_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				345000	349000	353000	16.1	0.0	
Frequency (MHz)				1730	1745	1760			
40	Pi/2 BPSK	1	1	15.26	15.22	15.20	16.1	0.0	
40	Pi/2 BPSK	1	106	15.36	15.24	15.21			
40	Pi/2 BPSK	1	214	15.31	15.22	15.18			
40	Pi/2 BPSK	50	0	15.14	15.12	15.08	16.1	0.0	
40	Pi/2 BPSK	108	54	15.19	15.17	15.11	16.1	0.0	
40	Pi/2 BPSK	108	108	15.18	15.17	15.10	16.1	0.0	
40	Pi/2 BPSK	216	0	15.15	15.03	15.14	16.1	0.0	
40	QPSK	1	1	15.33	15.25	15.08			
40	QPSK	1	106	15.32	15.19	14.99			
40	QPSK	1	214	15.08	15.14	15.22	16.1	0.0	
40	QPSK	108	0	15.31	15.23	15.34	16.1	0.0	
40	QPSK	108	54	15.07	15.26	15.28	16.1	0.0	
40	QPSK	108	108	15.27	15.31	15.15	16.1	0.0	
40	QPSK	216	0	15.16	15.23	15.21	16.1	0.0	
40	16QAM	1	1	15.04	15.23	15.21	16.1	0.0	
40	64QAM	1	1	15.10	15.28	15.28	16.1	0.0	
40	256QAM	1	1	15.23	15.27	15.17	16.1	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1730	1745	1765			
30	Pi/2 BPSK	1	1	15.31	15.21	15.03	16.1	0.0	
Channel				#REF!	349000	#REF!	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				#REF!	1745	#REF!			
20	Pi/2 BPSK	1	1	15.24	15.24	15.03	16.1	0.0	
Channel				343500	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	Pi/2 BPSK	1	1	15.13	15.33	15.31	16.1	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	Pi/2 BPSK	1	1	15.28	15.18	15.19	16.1	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	Pi/2 BPSK	1	1	15.28	15.04	15.09	16.1	0.0	



DSI2_Sim-Tx for Head for UAT

n2_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	14.4	0.0
Frequency (MHz)				1860	1880	1900		
20	Pi/2 BPSK	1	1	13.10	13.30	13.07	14.4	0.0
20	Pi/2 BPSK	1	53	13.10	13.07	13.27		
20	Pi/2 BPSK	1	104	13.03	13.10	13.24		
20	Pi/2 BPSK	50	0	13.10	13.07	13.18	14.4	0.0
20	Pi/2 BPSK	50	28	13.08	13.06	13.21	14.4	0.0
20	Pi/2 BPSK	50	56	13.06	13.11	13.16	14.4	0.0
20	Pi/2 BPSK	100	0	13.03	13.11	13.17	14.4	0.0
20	QPSK	1	1	13.12	13.00	13.13		
20	QPSK	1	53	13.12	12.98	13.20		
20	QPSK	1	104	13.08	13.07	13.27	14.4	0.0
20	QPSK	50	0	13.07	13.08	13.13		
20	QPSK	50	28	13.06	13.06	13.23		
20	QPSK	50	56	13.02	13.15	13.27	14.4	0.0
20	QPSK	100	0	13.10	13.10	13.27	14.4	0.0
20	16QAM	1	1	13.10	13.10	13.17		
20	64QAM	1	1	12.95	13.04	12.89		
20	256QAM	1	1	13.14	13.15	13.24	14.4	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5	14.4 <td>0.0</td>	0.0
15	Pi/2 BPSK	1	1	12.96	13.21	13.04	14.4	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				13.25	13.30	13.00	14.4	0.0
10	Pi/2 BPSK	1	1	13.25	13.13	12.99	14.4	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5 <td>14.4</td> <td>0.0</td>	14.4	0.0
5	Pi/2 BPSK	1	1	13.04	13.29	12.90	14.4	0.0

n5_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	22.5	0.0
Frequency (MHz)				834	836.5	839		
20	Pi/2 BPSK	1	1	21.45	21.43	21.35	22.5	0.0
20	Pi/2 BPSK	1	53	21.03	21.23	21.00		
20	Pi/2 BPSK	1	104	20.71	20.55	20.68		
20	Pi/2 BPSK	50	0	21.24	21.12	21.22	22.5	0.0
20	Pi/2 BPSK	50	28	21.10	21.03	21.05	22.5	0.0
20	Pi/2 BPSK	50	56	20.89	20.85	20.89	22.5	0.0
20	Pi/2 BPSK	100	0	21.15	21.12	21.13	22.5	0.0
20	QPSK	1	1	21.44	21.33	21.40		
20	QPSK	1	53	21.21	21.14	21.05		
20	QPSK	1	104	20.85	20.84	20.76	22.5	0.0
20	QPSK	50	0	21.32	21.24	21.27		
20	QPSK	50	28	21.11	21.04	21.08		
20	QPSK	50	56	20.91	20.92	20.90	22.5	0.0
20	QPSK	100	0	21.11	21.07	21.09	22.5	0.0
20	16QAM	1	1	21.10	21.30	21.38		
20	64QAM	1	1	21.10	21.02	20.95		
20	256QAM	1	1	18.91	18.77	18.72	19.5	3.0
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	22.5	0.0
15	Pi/2 BPSK	1	1	21.07	21.19	21.08	22.5	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				820	831.5	844 <td>22.5</td> <td>0.0</td>	22.5	0.0
10	Pi/2 BPSK	1	1	20.98	21.18	21.05	22.5	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5 <td>22.5</td> <td>0.0</td>	22.5	0.0
5	Pi/2 BPSK	1	1	21.19	21.42	21.02	22.5	0.0

n12_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700	23.5	0.0
Frequency (MHz)				706.5	707.5	708.5		
15	Pi/2 BPSK	1	1	22.60	22.40	22.19	23.5	0.0
15	Pi/2 BPSK	1	40	22.31	22.21	22.00		
15	Pi/2 BPSK	1	77	22.13	21.85	21.79		
15	Pi/2 BPSK	36	0	22.31	22.27	22.08	23.5	0.0
15	Pi/2 BPSK	36	22	22.24	22.05	22.02	23.5	0.0
15	Pi/2 BPSK	36	43	22.09	21.99	21.89	23.5	0.0
15	Pi/2 BPSK	75	0	22.25	22.17	22.15		
15	QPSK	1	1	22.50	22.54	22.48		
15	QPSK	1	40	22.51	22.35	22.40	23.5	0.0
15	QPSK	1	77	22.26	22.11	22.25	23.5	0.0
15	QPSK	36	0	22.43	22.50	22.39		
15	QPSK	36	22	22.38	22.34	22.35		
15	QPSK	36	43	22.42	22.22	22.17	23.5	0.0
15	QPSK	75	0	22.29	22.43	22.51		
15	16QAM	1	1	22.38	22.43	22.47	23.5	0.0
15	64QAM	1	1	20.91	20.87	20.81	21.5	2.0
15	256QAM	1	1	18.83	18.76	18.72	19.5	4.0
Channel				140600	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711	23.5	0.0
10	Pi/2 BPSK	1	1	22.43	22.33	22.00	23.5	0.0
Channel				140300	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5	23.5	0.0
5	Pi/2 BPSK	1	1	22.23	22.06	22.10	23.5	0.0



n25_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376500	378000	14.4	0.0	
Frequency (MHz)				1870	1882.5	1885			
40	PI/2 BPSK	1	1	13.11	13.31	13.01	14.4	0.0	
40	PI/2 BPSK	1	108	12.97	13.00	12.98			
40	PI/2 BPSK	1	214	12.87	13.05	12.95			
40	PI/2 BPSK	108	0	13.04	13.07	12.92	14.4	0.0	
40	PI/2 BPSK	108	54	13.08	13.15	12.93	14.4	0.0	
40	PI/2 BPSK	108	108	13.01	13.11	12.92	14.4	0.0	
40	PI/2 BPSK	216	0	13.03	13.08	13.01			
40	QPSK	1	1	13.13	13.02	12.88			
40	QPSK	1	108	13.08	13.02	13.03	14.4	0.0	
40	QPSK	1	214	13.06	13.05	13.05	14.4	0.0	
40	QPSK	108	0	13.11	13.02	13.10			
40	QPSK	108	54	12.99	13.00	13.13			
40	QPSK	108	108	13.04	13.10	13.06	14.4	0.0	
40	QPSK	216	0	13.01	13.08	13.13			
40	16QAM	1	1	12.94	13.08	13.09	14.4	0.0	
40	64QAM	1	1	13.19	13.10	12.96	14.4	0.0	
40	256QAM	1	1	13.14	13.17	13.09	14.4	0.0	
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1900			
30	PI/2 BPSK	1	1	13.03	13.08	12.95	14.4	0.0	
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1902.5			
25	PI/2 BPSK	1	1	12.89	12.99	13.00	14.4	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1882.5	1905			
20	PI/2 BPSK	1	1	13.12	12.90	12.99	14.4	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1882.5	1907.5			
15	PI/2 BPSK	1	1	12.85	12.92	13.09	14.4	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1892.5	1910			
10	PI/2 BPSK	1	1	13.12	12.98	13.09	14.4	0.0	
Channel				370500	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1882.5	1912.5			
5	PI/2 BPSK	1	1	12.95	12.81	12.81	14.4	0.0	

n26_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				164800	166300	167800	22.5	0.0	
Frequency (MHz)				824	831.5	839			
20	PI2 BPSK	1	1	21.48	21.34	21.38	22.5	0.0	
20	PI2 BPSK	1	53	20.91	20.75	20.60			
20	PI2 BPSK	1	104	20.70	20.55	20.50			
20	PI2 BPSK	50	0	21.40	21.34	21.30	22.5	0.0	
20	PI2 BPSK	50	28	20.98	20.82	20.67	22.5	0.0	
20	PI2 BPSK	50	56	20.87	20.83	20.58	22.5	0.0	
20	PI2 BPSK	100	0	21.08	20.84	20.68			
20	QPSK	1	1	21.05	21.12	21.19			
20	QPSK	1	53	20.71	20.82	20.77	22.5	0.0	
20	QPSK	1	104	20.41	20.99	20.58			
20	QPSK	50	0	21.11	21.05	21.22			
20	QPSK	50	28	20.92	20.84	20.95	22.5	0.0	
20	QPSK	50	56	20.73	20.77	20.71	22.5	0.0	
20	QPSK	100	0	21.01	20.88	21.00			
20	16QAM	1	1	21.18	21.02	21.19	22.5	0.0	
20	64QAM	1	1	21.26	21.07	20.89	21.5	1.0	
20	256QAM	1	1	19.41	19.23	18.99	19.5	3.0	
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				821.5	831.5	841.5	22.5 <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>		
15	PI2 BPSK	1	1	21.40	21.17	21.17	22.5	0.0	
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844	22.5 <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>		
10	PI2 BPSK	1	1	21.37	21.44	21.15	22.5	0.0	
Channel				163300	166300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5	22.5 <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>		
5	PI2 BPSK	1	1	21.32	21.30	21.36	22.5	0.0	

n30_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel				2310					
Frequency (MHz)									
10	PI2 BPSK	1	1		15.90		16.7	0.0	
10	PI2 BPSK	1	26		15.72				
10	PI2 BPSK	1	50		15.65				
10	PI2 BPSK	25	0		15.73		16.7	0.0	
10	PI2 BPSK	25	13		15.62		16.7	0.0	
10	PI2 BPSK	25	26		15.71		16.7	0.0	
10	PI2 BPSK	50	0		15.62				
10	QPSK	1	1		15.71				
10	QPSK	1	26		15.68		16.7	0.0	
10	QPSK	1	50		15.69				
10	QPSK	25	0		15.66		16.7	0.0	
10	QPSK	25	13		15.67		16.7	0.0	
10	QPSK	25	26		15.78		16.7	0.0	
10	QPSK	50	0		15.76				
10	16QAM	1	1		15.61		16.7	0.0	
10	64QAM	1	1		15.69		16.7	0.0	
10	256QAM	1	1		15.73		16.7	0.0	
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5			
5	PI2 BPSK	1	1		15.80	15.67	15.89	16.7	0.0

n66_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000	15.3	0.0
Frequency (MHz)				1730	1745	1760		
40	PV2 BPSK	1	1	14.42	14.38	14.31	15.3	0.0
40	PV2 BPSK	1	108	14.57	14.50	14.48		
40	PV2 BPSK	1	214	14.49	14.44	14.43		
40	PV2 BPSK	108	0	14.43	14.35	14.32	15.3	0.0
40	PV2 BPSK	108	54	14.55	14.52	14.45	15.3	0.0
40	PV2 BPSK	108	108	14.45	14.35	14.34	15.3	0.0
40	PV2 BPSK	216	0	14.41	14.34	14.37		
40	QPSK	1	1	14.25	14.24	14.04	15.3	0.0
40	QPSK	1	108	14.34	14.29	14.34		
40	QPSK	1	214	14.14	14.21	14.12		
40	QPSK	108	0	14.27	14.24	14.35	15.3	0.0
40	QPSK	108	54	14.20	14.34	14.20	15.3	0.0
40	QPSK	108	108	14.26	14.32	14.34	15.3	0.0
40	QPSK	216	0	14.22	14.23	14.12		
40	16QAM	1	1	14.27	14.20	14.25	15.3	0.0
40	64QAM	1	1	14.22	14.25	14.14	15.3	0.0
40	256QAM	1	1	14.32	14.22	14.09	15.3	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	PV2 BPSK	1	1	14.02	13.97	14.12	15.3	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PV2 BPSK	1	1	14.16	14.19	14.28	15.3	0.0
Channel				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	PV2 BPSK	1	1	14.04	14.02	14.31	15.3	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	PV2 BPSK	1	1	14.26	14.17	14.02	15.3	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	PV2 BPSK	1	1	14.26	14.07	14.05	15.3	0.0

DSI3 for body worn for UAT

n2_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				1860	1880	1900	17.1	0.0
Frequency (MHz)				18.00	18.27	18.07		
20	Pi/2 BPSK	1	1	18.01	18.01	18.24	17.1	0.0
20	Pi/2 BPSK	1	53	18.02	18.05	18.24		
20	Pi/2 BPSK	1	104	18.07	18.05	18.24	17.1	0.0
20	Pi/2 BPSK	50	0	18.07	15.95	16.13		
20	Pi/2 BPSK	50	28	18.07	15.95	16.25	17.1	0.0
20	Pi/2 BPSK	50	56	18.03	16.03	16.20		
20	Pi/2 BPSK	100	0	18.09	16.01	16.23	17.1	0.0
20	QPSK	1	1	16.20	15.96	16.12		
20	QPSK	1	53	16.12	15.91	16.25	17.1	0.0
20	QPSK	1	104	16.09	15.96	16.21		
20	QPSK	50	0	16.05	15.99	16.12	17.1	0.0
20	QPSK	50	28	16.06	15.92	16.22		
20	QPSK	50	56	16.02	16.02	16.22	17.1	0.0
20	QPSK	100	0	16.05	16.00	16.22		
20	16QAM	1	1	16.17	16.07	16.20	17.1	0.0
20	64QAM	1	1	15.90	15.93	15.82		
20	256QAM	1	1	16.25	16.09	16.18	17.1	0.0
Channel				372000	372000	381500		
Frequency (MHz)				1857.5	1880	1902.5	17.1	0.0
15	Pi/2 BPSK	1	1	16.00	15.99	16.04		
Channel				371000	376000	381000	Tune-up limit (dB)	MPR
Frequency (MHz)				1825	1890	1903		
10	Pi/2 BPSK	1	1	15.99	16.08	16.12	17.1	0.0
Channel				370500	376000	381500		
Frequency (MHz)				1852.5	1880	1907.5	17.1	0.0
5	Pi/2 BPSK	1	1	15.88	16.04	16.05		

n25_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				1870	1882.5	1895	17.1	0.0
Frequency (MHz)				16.12	16.29	16.20		
40	Pi/2 BPSK	1	1	16.03	16.16	16.17	17.1	0.0
40	Pi/2 BPSK	1	108	16.11	16.23	16.14		
40	Pi/2 BPSK	108	0	15.68	15.96	15.94	17.1	0.0
40	Pi/2 BPSK	108	54	15.80	16.11	15.88		
40	Pi/2 BPSK	108	108	15.77	16.00	15.88	17.1	0.0
40	Pi/2 BPSK	216	0	15.81	16.07	16.02		
40	QPSK	1	1	16.15	16.05	16.05	17.1	0.0
40	QPSK	1	108	16.19	15.98	16.03		
40	QPSK	1	214	16.13	16.05	16.21	17.1	0.0
40	QPSK	108	0	16.13	16.04	16.04		
40	QPSK	108	54	16.08	16.03	16.05	17.1	0.0
40	QPSK	108	108	16.16	16.09	16.15		
40	QPSK	216	0	15.93	16.11	16.21	17.1	0.0
40	16QAM	1	1	16.17	16.17	16.20		
40	64QAM	1	1	16.15	16.00	15.83	17.1	0.0
40	256QAM	1	1	16.10	16.20	16.03		
Channel				372000	376500	381000	Tune-up limit (dB)	MPR
Frequency (MHz)				1865	1882.5	1900		
30	Pi/2 BPSK	1	1	15.83	16.26	15.98	17.1	0.0
Channel				372500	376500	380500		
Frequency (MHz)				1872.5	1882.5	1902.5	17.1	0.0
25	Pi/2 BPSK	1	1	16.05	16.21	16.13		
Channel				372000	376500	381000	Tune-up limit (dB)	MPR
Frequency (MHz)				1860	1882.5	1905		
20	Pi/2 BPSK	1	1	16.22	16.14	16.17	17.1	0.0
Channel				371500	376500	381500		
Frequency (MHz)				1857.5	1882.5	1907.5	17.1	0.0
15	Pi/2 BPSK	1	1	16.01	16.20	16.09		
Channel				371000	376500	382000	Tune-up limit (dB)	MPR
Frequency (MHz)				1855	1882.5	1910		
10	Pi/2 BPSK	1	1	16.18	16.25	16.17	17.1	0.0
Channel				370500	376500	382500		
Frequency (MHz)				1852.5	1882.5	1912.5	17.1	0.0
5	Pi/2 BPSK	1	1	15.94	16.96	16.64		

n30_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				462000			18.4	0.0
Frequency (MHz)				2310				
10	Pi/2 BPSK	1	1		17.59		18.4	0.0
10	Pi/2 BPSK	1	26		17.26			
10	Pi/2 BPSK	1	50		17.35		18.4	0.0
10	Pi/2 BPSK	25	0		17.58			
10	Pi/2 BPSK	25	13		17.21		18.4	0.0
10	Pi/2 BPSK	25	26		17.33		18.4	0.0
10	Pi/2 BPSK	50	0		17.53			
10	QPSK	1	1		17.21		18.4	0.0
10	QPSK	1	26		17.32			
10	QPSK	1	50		17.30		18.4	0.0
10	QPSK	25	0		17.16			
10	QPSK	25	13		17.28		18.4	0.0
10	QPSK	25	26		17.39		18.4	0.0
10	QPSK	50	0		17.30			
10	16QAM	1	1		17.14		18.4	0.0
10	64QAM	1	1		17.07		18.4	0.0
10	256QAM	1	1		17.37			
Channel				461500	462000	462500	18.4	0.0
Frequency (MHz)				2307.5	2310	2312.5		
5	Pi/2 BPSK	1	1	17.26	17.51	17.39	18.4	0.0

n66_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000	16.9	0.0
Frequency (MHz)				1730	1745	1760		
40	PV2 BPSK	1	1	16.10	16.06	15.97	16.9	0.0
40	PV2 BPSK	1	108	16.20	16.13	16.10		
40	PV2 BPSK	1	214	16.00	16.02	16.04	16.9	0.0
40	PV2 BPSK	108	0	15.77	15.85	15.97		
40	PV2 BPSK	108	54	16.14	16.09	16.06	16.9	0.0
40	PV2 BPSK	108	108	16.00	16.06	15.88		
40	PV2 BPSK	216	0	16.10	16.02	16.00	16.9	0.0
40	QPSK	1	1	16.03	16.07	16.13		
40	QPSK	1	108	16.06	16.04	16.12	16.9	0.0
40	QPSK	1	214	16.14	16.13	15.96		
40	QPSK	108	0	16.19	16.16	16.04	16.9	0.0
40	QPSK	108	54	16.14	16.06	15.88		
40	QPSK	108	108	16.05	16.16	16.14	16.9	0.0
40	QPSK	216	0	15.94	16.14	16.17		
40	16QAM	1	1	16.17	16.14	15.96	16.9	0.0
40	64QAM	1	1	16.16	16.17	16.05		
40	256QAM	1	1	15.92	16.10	16.13	16.9	0.0
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765	16.9	0.0
30	PV2 BPSK	1	1	16.05	16.12	16.16		
Channel				344000	349000	354000	16.9	0.0
Frequency (MHz)				1720	1745	1770		
20	PV2 BPSK	1	1	16.10	16.16	15.97	16.9	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1717.5	1745	1772.5	16.9	0.0
15	PV2 BPSK	1	1	16.18	15.91	16.16		
Channel				343000	349000	355000	16.9	0.0
Frequency (MHz)				1715	1745	1775		
10	PV2 BPSK	1	1	16.11	16.15	15.96	16.9	0.0
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5	16.9	0.0
5	PV2 BPSK	1	1	16.06	15.98	16.04		

n77_FCC_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3840	3830		
100	Pi/2 BPSK	1	1	12.15	11.98	11.63	13.3	0.0
100	Pi/2 BPSK	1	137	12.38	12.20	12.16		
100	Pi/2 BPSK	1	271	12.23	11.67	11.50		
100	Pi/2 BPSK	135	0	12.14	11.73	11.55		
100	Pi/2 BPSK	135	69	12.25	12.08	12.00	13.3	0.0
100	Pi/2 BPSK	135	138	12.15	11.88	11.52		
100	Pi/2 BPSK	270	0	12.16	11.74	11.53		
100	QPSK	1	1	11.53	11.58	11.74		
100	QPSK	1	137	11.86	11.75	11.60	13.3	0.0
100	QPSK	1	271	11.74	11.59	11.56		
100	QPSK	135	0	11.94	11.75	11.70		
100	QPSK	135	69	11.75	11.68	11.57		
100	QPSK	135	138	11.71	11.58	11.70	13.3	0.0
100	QPSK	270	0	11.74	11.62	11.67		
100	16QAM	1	1	11.95	11.93	11.88		
100	64QAM	1	1	12.27	12.10	12.23		
100	256QAM	1	1	11.51	11.94	11.85	13.3	0.0
Channel				649334	650000	650000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	Pi/2 BPSK	1	1	12.30	12.17	11.60	13.3	0.0
Channel				648668	650000	653334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	Pi/2 BPSK	1	1	12.06	12.16	11.59	13.3	0.0
Channel				648000	650000	654000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	Pi/2 BPSK	1	1	11.98	11.89	11.78	13.3	0.0
Channel				647668	650000	654334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	Pi/2 BPSK	1	1	11.95	12.17	11.56	13.3	0.0
Channel				647334	650000	654668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	Pi/2 BPSK	1	1	12.16	11.79	11.69	13.3	0.0

n78_FCC_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	Pi/2 BPSK	1	1		12.29		13.7	0.0
100	Pi/2 BPSK	1	137		12.65			
100	Pi/2 BPSK	1	271		12.18			
100	Pi/2 BPSK	135	0		12.57			
100	Pi/2 BPSK	135	69		12.63		13.7	0.0
100	Pi/2 BPSK	135	138		12.25			
100	Pi/2 BPSK	270	0		12.59			
100	QPSK	1	1		12.45			
100	QPSK	1	137		12.40		13.7	0.0
100	QPSK	1	271		12.25			
100	QPSK	135	0		12.45			
100	QPSK	135	69		12.33			
100	QPSK	135	138		12.28		13.7	0.0
100	QPSK	270	0		12.31			
100	16QAM	1	1		12.43			
100	64QAM	1	1		12.24			
100	256QAM	1	1		12.35		13.7	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	Pi/2 BPSK	1	1	12.25	12.04	12.17	13.7	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	Pi/2 BPSK	1	1	12.46	12.03	12.38	13.7	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	Pi/2 BPSK	1	1	12.26	12.10	12.39	13.7	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	Pi/2 BPSK	1	1	12.41	12.13	12.34	13.7	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	Pi/2 BPSK	1	1	12.34	12.17	12.30	13.7	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	Pi/2 BPSK	1	1	12.57	12.12	12.18	13.7	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	Pi/2 BPSK	1	1	12.50	12.26	12.51	13.7	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	Pi/2 BPSK	1	1	12.51	11.98	12.34	13.7	0.0



DSI3_Sim-Tx for Body-worn and Hotspot for UAT

n2_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				375000	376000	380000	14.4	0.0
Frequency (MHz)				1860	1880	1900		
20	Pi/2 BPSK	1	1	13.19	13.28	13.24	14.4	0.0
20	Pi/2 BPSK	1	53	13.09	13.11	13.24		
20	Pi/2 BPSK	1	104	13.08	13.17	13.21		
20	Pi/2 BPSK	50	0	13.07	13.12	13.16	14.4	0.0
20	Pi/2 BPSK	50	28	13.07	13.06	13.23	14.4	0.0
20	Pi/2 BPSK	50	56	13.04	13.11	13.26	14.4	0.0
20	Pi/2 BPSK	100	0	13.11	13.10	13.26	14.4	0.0
20	QPSK	1	1	13.21	13.00	13.15		
20	QPSK	1	53	13.13	13.12	13.22		
20	QPSK	1	104	13.11	13.26	13.25	14.4	0.0
20	QPSK	50	0	13.09	13.10	13.16		
20	QPSK	50	28	13.05	13.10	13.27		
20	QPSK	50	56	13.01	13.14	13.24	14.4	0.0
20	QPSK	100	0	13.08	13.15	13.20	14.4	0.0
20	16QAM	1	1	13.19	13.22	13.06		
20	64QAM	1	1	12.89	12.87	12.84		
20	256QAM	1	1	13.23	13.24	13.27	14.4	0.0
Channel				375000	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5	14.4	0.0
15	Pi/2 BPSK	1	1	13.16	13.08	13.20	14.4	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1860	1905	14.4	0.0
10	Pi/2 BPSK	1	1	13.27	13.23	13.12	14.4	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5 <td>14.4</td> <td>0.0</td>	14.4	0.0
5	Pi/2 BPSK	1	1	12.98	12.92	13.21	14.4	0.0

n5_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	21.7	0.0
Frequency (MHz)				834	836.5	839		
20	Pi/2 BPSK	1	1	20.77	20.79	20.74	21.7	0.0
20	Pi/2 BPSK	1	53	20.33	20.50	20.24		
20	Pi/2 BPSK	1	104	20.00	20.18	19.92		
20	Pi/2 BPSK	50	0	20.50	20.76	20.45	21.7	0.0
20	Pi/2 BPSK	50	28	20.34	20.32	20.23	21.7	0.0
20	Pi/2 BPSK	50	56	20.21	20.11	20.09	21.7	0.0
20	Pi/2 BPSK	100	0	20.42	20.32	20.33	21.7	0.0
20	QPSK	1	1	20.05	20.67	20.61		
20	QPSK	1	53	20.22	20.42	20.29		
20	QPSK	1	104	20.00	20.11	20.01	21.7	0.0
20	QPSK	50	0	20.55	20.50	20.44		
20	QPSK	50	28	20.34	20.36	20.31		
20	QPSK	50	56	20.12	20.19	20.12	21.7	0.0
20	QPSK	100	0	20.34	20.38	20.30	21.7	0.0
20	16QAM	1	1	20.45	20.39	20.18		
20	64QAM	1	1	20.55	20.62	20.48		
20	256QAM	1	1	18.91	18.77	18.72	19.5	2.2
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	21.7	0.0
15	Pi/2 BPSK	1	1	20.42	20.32	20.41	21.7	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				820	831.5	844	21.7	0.0
10	Pi/2 BPSK	1	1	20.43	20.42	20.23	21.7	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5	21.7	0.0
5	Pi/2 BPSK	1	1	20.33	20.62	20.34	21.7	0.0

n25_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	Pi/2 BPSK	1	1	13.11	13.30	13.21	14.4	0.0
40	Pi/2 BPSK	1	108	12.97	13.00	12.96		
40	Pi/2 BPSK	1	214	12.87	13.05	12.95		
40	Pi/2 BPSK	108	0	12.94	13.01	12.92	14.4	0.0
40	Pi/2 BPSK	108	54	13.01	13.21	13.12	14.4	0.0
40	Pi/2 BPSK	108	108	13.00	13.00	12.93	14.4	0.0
40	Pi/2 BPSK	216	0	13.03	13.11	13.01	14.4	0.0
40	QPSK	1	1	13.13	12.92	12.93		
40	QPSK	1	108	13.08	12.86	12.70		
40	QPSK	1	214	13.06	12.87	13.04	14.4	0.0
40	QPSK	108	0	13.11	12.82	12.89		
40	QPSK	108	54	12.99	12.85	13.04		
40	QPSK	108	108	13.04	12.84	12.66	14.4	0.0
40	QPSK	216	0	13.01	12.84	12.65	14.4	0.0
40	16QAM	1	1	12.94	12.87	12.76		
40	64QAM	1	1	13.19	13.12	13.20		
40	256QAM	1	1	13.14	13.15	12.96	14.4	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900	14.4	0.0
30	Pi/2 BPSK	1	1	13.14	13.17	12.77	14.4	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5	14.4	0.0
25	Pi/2 BPSK	1	1	13.10	13.20	13.17	14.4	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905	14.4	0.0
20	Pi/2 BPSK	1	1	13.13	12.86	12.78	14.4	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5	14.4	0.0
15	Pi/2 BPSK	1	1	13.08	13.09	13.15	14.4	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910	14.4	0.0
10	Pi/2 BPSK	1	1	13.09	12.88	12.78	14.4	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5	14.4	0.0
5	Pi/2 BPSK	1	1	12.89	13.11	13.03	14.4	0.0



n26_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				164800	166300	167800	21.7	0.0	
Frequency (MHz)				824	831.5	839			
20	Pi/2 BPSK	1	1	20.80	20.58	20.38			
20	Pi/2 BPSK	1	53	20.45	20.23	20.12			
20	Pi/2 BPSK	1	104	20.23	20.02	20.01	21.7	0.0	
20	Pi/2 BPSK	50	0	20.69	20.55	20.26			
20	Pi/2 BPSK	50	28	20.52	20.32	20.12			
20	Pi/2 BPSK	50	56	20.42	20.20	20.10			
20	Pi/2 BPSK	100	0	20.54	20.34	20.20	21.7	0.0	
20	QPSK	1	1	20.75	20.61	20.48			
20	QPSK	1	53	20.15	20.31	20.12			
20	QPSK	1	104	20.27	20.09	20.00			
20	QPSK	50	0	20.71	20.53	20.36	21.7	0.0	
20	QPSK	50	28	20.57	20.37	20.28			
20	QPSK	50	56	20.05	20.19	20.33			
20	QPSK	100	0	20.28	20.42	20.34			
20	16QAM	1	1	20.58	20.52	20.57	21.7	0.0	
20	64QAM	1	1	20.29	20.35	20.35			
20	256QAM	1	1	19.41	19.23	18.89			
Channel				164300	166300	168300		Tune-up limit (dBm)	
Frequency (MHz)				818.5	831.5	841.5	MPR (dB)		
15	Pi/2 BPSK	1	1	20.40	20.04	20.16	21.7	0.0	
Channel				163800	166300	168800			
Frequency (MHz)				819	831.5	844			
10	Pi/2 BPSK	1	1	20.27	20.04	20.19		21.7	
Channel				163300	166300	169300			
Frequency (MHz)				816.5	831.5	846.5			
5	Pi/2 BPSK	1	1	20.45	20.23	20.12		21.7	

n30_Ant 2												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)				
Channel				2310			15.0	0.0				
Frequency (MHz)				14.03								
10	Pi2 BPSK	1	1							15.0	0.0	
10	Pi2 BPSK	1	26									
10	Pi2 BPSK	1	50									
10	Pi2 BPSK	25	0									
10	Pi2 BPSK	25	13				15.0	0.0				
10	Pi2 BPSK	25	26									
10	Pi2 BPSK	50	0									
10	QPSK	1	1									
10	QPSK	1	26				15.0	0.0				
10	QPSK	1	50									
10	QPSK	25	0									
10	QPSK	25	13									
10	QPSK	25	26				15.0	0.0				
10	QPSK	50	0									
10	16QAM	1	1									
10	64QAM	1	1									
10	256QAM	1	1				15.0	0.0				
Channel				461500	462000	462500						
Frequency (MHz)				2307.5	2310	2312.5						
5	Pi2 BPSK	1	1	13.73	13.63	13.63	15.0					

n66_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				345000	348000	350500	15.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	Pi/2 BPSK	1	1	14.00	13.99	13.87			
40	Pi/2 BPSK	1	108	14.11	14.02	13.96			
40	Pi/2 BPSK	1	214	14.09	14.05	13.89			
40	Pi/2 BPSK	108	0	13.98	13.40	13.50	15.0	0.0	
40	Pi/2 BPSK	108	54	14.02	13.92	13.90			
40	Pi/2 BPSK	108	108	13.82	13.88	13.79			
40	Pi/2 BPSK	216	0	13.89	13.56	13.66			
40	QPSK	1	1	13.95	14.09	13.93	15.0	0.0	
40	QPSK	1	108	14.09	14.07	13.92			
40	QPSK	1	214	13.99	14.04	14.04			
40	QPSK	108	0	13.91	14.01	13.88			
40	QPSK	108	54	14.08	14.02	14.06	15.0	0.0	
40	QPSK	108	108	14.02	14.08	14.07			
40	QPSK	216	0	14.05	14.06	13.92			
40	16QAM	1	1	14.01	14.09	14.00		15.0	
40	64QAM	1	1	13.72	13.90	13.88			
40	256QAM	1	1	14.04	14.04	13.87			
Channel				345000	349000	353000	Tune-up limit (dBm)		
Frequency (MHz)				1725	1745	1765	15.0		
30	Pi/2 BPSK	1	1	13.93	14.04	13.79	15.0	0.0	
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	Pi/2 BPSK	1	1	13.97	14.06	13.73		15.0	
Channel				343500	349000	354500			
Frequency (MHz)				1717.5	1745	1772.5			
15	Pi/2 BPSK	1	1	14.06	14.04	13.87	15.0	0.0	
Channel				343000	349000	355000			
Frequency (MHz)				1715	1745	1775			
10	Pi/2 BPSK	1	1	13.93	13.95	14.01		15.0	
Channel				342500	349000	355500			
Frequency (MHz)				1712.5	1745	1777.5			
5	Pi/2 BPSK	1	1	14.03	14.03	13.73		15.0	

n77_FCC_Ant 4							
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	650000	650000	MPR (dB)
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	10.10	10.00	9.66	11.0
100	PI/2 BPSK	1	137	10.31	10.14	10.02	
100	PI/2 BPSK	1	271	10.22	9.66	9.48	
100	PI/2 BPSK	135	0	10.14	9.76	9.58	11.0
100	PI/2 BPSK	135	69	10.22	10.10	10.05	
100	PI/2 BPSK	135	138	10.21	9.88	9.53	
100	PI/2 BPSK	270	0	10.15	9.73	9.56	11.0
100	QPSK	1	1	9.82	9.95	9.92	11.0
100	QPSK	1	137	9.61	9.75	9.57	
100	QPSK	1	271	9.34	9.50	9.57	
100	QPSK	135	0	9.63	9.76	9.62	11.0
100	QPSK	135	69	9.51	9.66	9.70	
100	QPSK	135	138	9.55	9.61	9.66	
100	QPSK	270	0	9.66	9.61	9.41	11.0
100	16QAM	1	1	10.08	10.07	10.24	11.0
100	64QAM	1	1	9.64	9.77	9.90	11.0
100	256QAM	1	1	10.06	9.95	9.82	11.0
Channel				649334	650000	650668	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3940.02	MPR (dB)
80	PI/2 BPSK	1	1	10.21	9.82	9.56	11.0
Channel				648668	650000	653334	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3950.01	MPR (dB)
60	PI/2 BPSK	1	1	10.00	10.11	9.81	11.0
Channel				649200	650000	650800	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	MPR (dB)
40	PI/2 BPSK	1	1	10.23	10.16	9.78	11.0
Channel				647668	650000	654334	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3965.01	MPR (dB)
30	PI/2 BPSK	1	1	10.01	10.00	9.53	11.0
Channel				647334	650000	654668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3970.02	MPR (dB)
20	PI/2 BPSK	1	1	10.15	10.05	9.84	11.0

n78_FCC_Ant 4							
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	650000	650000	MPR (dB)
Frequency (MHz)				3750	3750	3750	
100	PI/2 BPSK	1	1		10.39		11.3
100	PI/2 BPSK	1	137		10.46		
100	PI/2 BPSK	1	271		10.32		
100	PI/2 BPSK	135	0		10.42		11.3
100	PI/2 BPSK	135	69		10.43		
100	PI/2 BPSK	135	138		10.30		
100	PI/2 BPSK	270	0		10.37		11.3
100	QPSK	1	1		10.38		11.3
100	QPSK	1	137		10.35		
100	QPSK	1	271		10.31		
100	QPSK	135	0		10.26		11.3
100	QPSK	135	69		10.27		
100	QPSK	135	138		10.30		
100	QPSK	270	0		10.32		11.3
100	16QAM	1	1		10.29		11.3
100	64QAM	1	1		10.30		11.3
100	256QAM	1	1		10.35		11.3
Channel				648668	650000	650334	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3755.01	MPR (dB)
90	PI/2 BPSK	1	1	10.29	10.44	10.34	11.3
Channel				649334	650000	650668	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3760.02	MPR (dB)
80	PI/2 BPSK	1	1	10.28	10.24	10.33	11.3
Channel				649200	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	MPR (dB)
70	PI/2 BPSK	1	1	10.43	10.22	10.43	11.3
Channel				648668	650000	651334	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3770.01	MPR (dB)
60	PI/2 BPSK	1	1	10.25	10.30	10.12	11.3
Channel				648334	650000	651668	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3775.02	MPR (dB)
50	PI/2 BPSK	1	1	10.41	10.23	10.34	11.3
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	MPR (dB)
40	PI/2 BPSK	1	1	10.34	10.08	10.16	11.3
Channel				647668	650000	652334	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3785.01	MPR (dB)
30	PI/2 BPSK	1	1	10.29	10.45	10.28	11.3
Channel				647334	650000	652668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3790.02	MPR (dB)
20	PI/2 BPSK	1	1	10.43	10.08	10.24	11.3



DIS6 for Handheld Standalone for UAT

n2_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PV2 BPSK	1	1	20.51	20.58	20.55	
20	PV2 BPSK	1	53	20.62	20.49	20.77	21.7
20	PV2 BPSK	1	104	20.58	20.65	20.75	0.0
20	PV2 BPSK	50	0	20.43	20.52	20.63	21.7
20	PV2 BPSK	50	28	20.61	20.53	20.49	21.7
20	PV2 BPSK	50	56	20.59	20.57	20.44	0.0
20	PV2 BPSK	100	0	20.61	20.55	20.45	21.7
20	QPSK	1	1	20.75	20.67	20.70	
20	QPSK	1	53	20.72	20.60	20.44	21.7
20	QPSK	1	104	20.65	20.63	20.64	0.0
20	QPSK	50	0	20.61	20.58	20.67	21.7
20	QPSK	50	28	20.61	20.55	20.77	0.0
20	QPSK	50	56	20.56	20.55	20.74	21.7
20	QPSK	100	0	20.65	20.54	20.72	0.0
20	16QAM	1	1	20.55	20.47	20.40	21.7
20	64QAM	1	1	20.21	20.17	20.14	21.5
20	256QAM	1	1	18.61	18.54	18.55	19.5
Channel				372000	376000	380000	
Frequency (MHz)				1857.5	1880	1902.5	
15	PV2 BPSK	1	1	20.47	20.44	20.47	21.7
Channel				371000	376000	381000	
Frequency (MHz)				1825	1890	1900	
10	PV2 BPSK	1	1	20.69	20.39	20.46	21.7
Channel				370000	376000	381000	
Frequency (MHz)				1852.5	1880	1907.5	
5	PV2 BPSK	1	1	20.38	20.64	20.59	21.7

n25_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel				374000	376500	379000	
Frequency (MHz)				1870	1882.5	1895	
40	PV2 BPSK	1	1	20.70	20.80	20.75	
40	PV2 BPSK	1	108	20.48	20.72	20.44	21.7
40	PV2 BPSK	1	214	20.45	20.70	20.57	0.0
40	PV2 BPSK	108	0	20.33	20.61	20.41	21.7
40	PV2 BPSK	108	54	20.65	20.75	20.70	21.7
40	PV2 BPSK	108	108	20.30	20.57	20.41	0.0
40	PV2 BPSK	216	0	20.23	20.69	20.45	21.7
40	QPSK	1	1	20.60	20.49	20.47	
40	QPSK	1	108	20.63	20.45	20.65	21.7
40	QPSK	1	214	20.15	20.11	19.91	0.0
40	QPSK	108	0	19.97	20.04	19.90	21.7
40	QPSK	108	54	20.66	20.69	20.63	21.7
40	QPSK	108	108	19.27	19.24	19.10	0.0
40	QPSK	216	0	19.66	19.50	19.45	21.7
40	16QAM	1	1	20.70	20.61	20.79	21.7
40	64QAM	1	1	20.48	20.53	20.24	21.5
40	256QAM	1	1	18.64	18.89	18.85	19.5
Channel				372000	376500	380000	
Frequency (MHz)				1865	1882.5	1900	
30	PV2 BPSK	1	1	20.53	20.71	20.45	21.7
Channel				372500	376500	380500	
Frequency (MHz)				1872.5	1872.5	1872.5	
25	PV2 BPSK	1	1	20.35	20.75	20.63	21.7
Channel				372000	376500	381000	
Frequency (MHz)				1860	1882.5	1905	
20	PV2 BPSK	1	1	20.33	20.80	20.28	21.7
Channel				371500	376500	381000	
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PV2 BPSK	1	1	20.34	20.71	20.59	21.7
Channel				371000	376500	382000	
Frequency (MHz)				1855	1882.5	1910	
10	PV2 BPSK	1	1	20.54	20.57	20.32	21.7
Channel				370500	376500	382500	
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PV2 BPSK	1	1	20.58	20.60	20.35	21.7

n30_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel				462000	462000	462000	
Frequency (MHz)				2310			
10	PV2 BPSK	1	1	22.65			
10	PV2 BPSK	1	26	22.58			23.5
10	PV2 BPSK	1	50	22.63			0.0
10	PV2 BPSK	25	0	22.55			23.5
10	PV2 BPSK	25	13	22.52			23.5
10	PV2 BPSK	25	26	22.49			23.5
10	PV2 BPSK	50	0	22.49			0.0
10	QPSK	1	1	22.49			
10	QPSK	1	26	22.63			23.5
10	QPSK	1	50	22.61			0.0
10	QPSK	25	0	22.42			23.5
10	QPSK	25	13	22.54			23.5
10	QPSK	25	26	22.56			23.5
10	QPSK	50	0	22.47			0.0
10	16QAM	1	1	22.42			22.5
10	64QAM	1	1	20.83			21.5
10	256QAM	1	1	18.76			19.5
Channel				461500	462000	462500	
Frequency (MHz)				2307.5	2310	2312.5	
5	PV2 BPSK	1	1	22.63	22.51	22.61	23.5

n66_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000	21.5	0.0
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	20.38	20.24	20.20	21.5	0.0
40	PI2 BPSK	1	108	20.54	20.49	20.43		
40	PI2 BPSK	1	214	20.52	20.41	20.35		
40	PI2 BPSK	108	0	20.31	20.26	20.23	21.5	0.0
40	PI2 BPSK	108	54	20.41	20.35	20.29	21.5	0.0
40	PI2 BPSK	108	108	20.39	20.31	20.27	21.5	0.0
40	PI2 BPSK	216	0	20.31	20.27	20.25		
40	QPSK	1	1	19.84	19.96	19.98	21.5	0.0
40	QPSK	1	108	20.22	20.17	20.02		
40	QPSK	1	214	20.00	20.10	20.28		
40	QPSK	108	0	20.20	20.14	20.34	21.5	0.0
40	QPSK	108	54	20.13	20.32	20.13	21.5	0.0
40	QPSK	108	108	20.20	20.15	20.33	21.5	0.0
40	QPSK	216	0	20.07	20.20	20.32		
40	16QAM	1	1	19.88	20.17	20.19	21.5	0.0
40	64QAM	1	1	19.57	19.77	19.73	21.0	0.5
40	256QAM	1	1	18.07	18.08	17.92	19.5	2.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	PI2 BPSK	1	1	20.24	20.23	20.25	21.5	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI2 BPSK	1	1	20.36	20.12	20.29	21.5	0.0
Channel				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	PI2 BPSK	1	1	20.33	20.18	20.24	21.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	PI2 BPSK	1	1	20.41	20.22	20.25	21.5	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	PI2 BPSK	1	1	20.30	20.40	20.20	21.5	0.0

n77_FCC_Ant 4							
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	650000	650000	MPR (dB)
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	17.84	17.68	17.47	18.8
100	PI/2 BPSK	1	137	18.08	18.01	17.78	
100	PI/2 BPSK	1	271	17.98	17.58	17.57	
100	PI/2 BPSK	135	0	17.95	17.70	17.51	18.8
100	PI/2 BPSK	135	69	18.07	17.80	17.70	
100	PI/2 BPSK	135	138	17.90	17.56	17.30	
100	PI/2 BPSK	270	0	17.91	17.69	17.54	18.8
100	QPSK	1	1	17.83	17.77	17.90	18.8
100	QPSK	1	137	17.59	17.77	17.85	
100	QPSK	1	271	17.36	17.52	17.51	
100	QPSK	135	0	17.53	17.88	17.73	18.8
100	QPSK	135	69	17.55	17.65	17.63	
100	QPSK	135	138	17.44	17.51	17.69	
100	QPSK	270	0	17.58	17.69	17.87	18.8
100	16QAM	1	1	18.02	18.03	18.02	18.8
100	64QAM	1	1	17.48	17.65	17.59	18.8
100	256QAM	1	1	17.77	17.76	17.56	18.8
Channel				649334	650000	650000	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3940.02	MPR (dB)
80	PI/2 BPSK	1	1	17.82	17.62	17.30	18.8
Channel				648668	650000	653334	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3950.01	MPR (dB)
60	PI/2 BPSK	1	1	17.65	17.67	17.58	18.8
Channel				648000	650000	654000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	MPR (dB)
40	PI/2 BPSK	1	1	18.01	17.77	17.27	18.8
Channel				647668	650000	654334	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3965.01	MPR (dB)
30	PI/2 BPSK	1	1	17.71	17.77	17.67	18.8
Channel				647334	650000	654668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3970.02	MPR (dB)
20	PI/2 BPSK	1	1	17.92	17.57	17.36	18.8

n78_FCC_Ant 4							
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	650000	650000	MPR (dB)
Frequency (MHz)				3750	3750	3750	
100	PI/2 BPSK	1	1		17.79		18.7
100	PI/2 BPSK	1	137		17.87		
100	PI/2 BPSK	1	271		17.64		
100	PI/2 BPSK	135	0		17.68		18.7
100	PI/2 BPSK	135	69		17.79		
100	PI/2 BPSK	135	138		17.69		
100	PI/2 BPSK	270	0		16.82		18.7
100	QPSK	1	1		17.88		18.7
100	QPSK	1	137		17.75		
100	QPSK	1	271		17.70		
100	QPSK	135	0		17.67		18.7
100	QPSK	135	69		17.77		
100	QPSK	135	138		17.75		
100	QPSK	270	0		17.71		18.7
100	16QAM	1	1		17.71		18.7
100	64QAM	1	1		17.73		18.7
100	256QAM	1	1		17.84		18.7
Channel				648668	650000	650334	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3755.01	MPR (dB)
90	PI/2 BPSK	1	1	17.77	17.43	17.56	18.7
Channel				649334	650000	650668	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3760.02	MPR (dB)
80	PI/2 BPSK	1	1	17.64	17.60	17.78	18.7
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	MPR (dB)
70	PI/2 BPSK	1	1	17.75	17.58	17.75	18.7
Channel				648668	650000	651334	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3770.01	MPR (dB)
60	PI/2 BPSK	1	1	17.76	17.59	17.42	18.7
Channel				648334	650000	651668	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3775.02	MPR (dB)
50	PI/2 BPSK	1	1	17.75	17.41	17.59	18.7
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	MPR (dB)
40	PI/2 BPSK	1	1	17.69	17.47	17.68	18.7
Channel				647668	650000	652334	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3785.01	MPR (dB)
30	PI/2 BPSK	1	1	17.66	17.54	17.79	18.7
Channel				647334	650000	652668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3790.02	MPR (dB)
20	PI/2 BPSK	1	1	17.83	17.37	17.67	18.7



DIS6 for Handheld Sim-Tx for UAT

n2_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				1860	1880	1900	19.2	0.0
Frequency (MHz)				1802	1810	1816		
20	Pi/2 BPSK	1	1	18.02	18.10	18.16	19.2	0.0
20	Pi/2 BPSK	1	53	18.08	18.11	18.28		
20	Pi/2 BPSK	1	104	18.09	18.06	18.23	19.2	0.0
20	Pi/2 BPSK	50	0	18.06	17.92	18.09		
20	Pi/2 BPSK	50	28	18.06	18.01	18.27	19.2	0.0
20	Pi/2 BPSK	50	56	18.01	17.92	18.19		
20	Pi/2 BPSK	100	0	18.10	18.02	18.24	19.2	0.0
20	QPSK	1	1	18.14	18.06	18.10		
20	QPSK	1	53	18.09	18.08	18.30	19.2	0.0
20	QPSK	1	104	18.11	18.12	18.27		
20	QPSK	50	0	18.10	18.03	18.12	19.2	0.0
20	QPSK	50	28	18.04	17.98	18.24		
20	QPSK	50	56	18.08	17.96	18.26	19.2	0.0
20	QPSK	100	0	18.04	18.02	18.25		
20	16QAM	1	1	18.12	18.22	18.23	19.2	0.0
20	64QAM	1	1	17.94	17.87	18.01		
20	256QAM	1	1	17.21	17.27	17.36	18.2	1.0
Channel				37000	37000	38050	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	Pi/2 BPSK	1	1	17.87	18.16	18.04	19.2	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1853	1860	1863		
10	Pi/2 BPSK	1	1	17.84	18.03	18.16	19.2	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	Pi/2 BPSK	1	1	18.22	18.22	18.14	19.2	0.0

n25_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000	19.2	0.0
Frequency (MHz)				1870	1882.5	1895		
40	Pi/2 BPSK	1	1	18.05	18.38	18.00	19.2	0.0
40	Pi/2 BPSK	1	108	18.02	18.04	17.97		
40	Pi/2 BPSK	1	214	17.97	18.01	17.87	19.2	0.0
40	Pi/2 BPSK	108	0	17.79	17.82	17.74		
40	Pi/2 BPSK	108	54	18.11	18.35	18.08	19.2	0.0
40	Pi/2 BPSK	108	108	17.87	17.84	17.87		
40	Pi/2 BPSK	216	0	17.99	18.02	18.00	19.2	0.0
40	QPSK	1	1	17.92	18.03	17.85		
40	QPSK	1	108	18.21	18.02	17.99	19.2	0.0
40	QPSK	1	214	17.84	17.97	17.83		
40	QPSK	108	0	18.22	18.08	17.92	19.2	0.0
40	QPSK	108	54	18.07	18.03	17.98		
40	QPSK	108	108	18.02	18.15	18.26	19.2	0.0
40	QPSK	216	0	18.15	18.16	18.14		
40	16QAM	1	1	18.18	18.23	18.30	19.2	0.0
40	64QAM	1	1	18.04	18.02	17.97		
40	256QAM	1	1	17.53	17.45	17.25	18.2	1.0
Channel				372000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	Pi/2 BPSK	1	1	17.88	18.18	17.89	19.2	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	Pi/2 BPSK	1	1	18.03	17.99	18.07	19.2	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	Pi/2 BPSK	1	1	17.92	18.10	17.96	19.2	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	Pi/2 BPSK	1	1	18.04	17.97	18.05	19.2	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	Pi/2 BPSK	1	1	18.15	17.99	17.82	19.2	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	Pi/2 BPSK	1	1	17.93	17.97	17.85	19.2	0.0

n30_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				462000	462000	462000	21.0	0.0
Frequency (MHz)				2310	2310	2310		
10	Pi/2 BPSK	1	1	20.25	20.19	20.19	21.0	0.0
10	Pi/2 BPSK	1	50	20.19	20.19	20.19		
10	Pi/2 BPSK	25	0	20.20	20.20	20.20	21.0	0.0
10	Pi/2 BPSK	25	13	20.03	20.01	20.01		
10	Pi/2 BPSK	25	26	20.01	20.01	20.01	21.0	0.0
10	Pi/2 BPSK	50	0	20.23	20.12	20.12		
10	QPSK	1	1	20.12	20.10	20.10	21.0	0.0
10	QPSK	1	26	20.10	20.08	20.05		
10	QPSK	1	50	20.08	20.05	20.05	21.0	0.0
10	QPSK	25	0	20.05	20.09	20.09		
10	QPSK	25	13	20.09	20.04	20.04	21.0	0.0
10	QPSK	25	26	20.04	20.11	20.11		
10	QPSK	50	0	20.11	19.99	19.99	21.0	0.0
10	16QAM	1	1	19.99	19.90	19.90		
10	64QAM	1	1	19.90	18.81	18.81	19.5	1.5
10	256QAM	1	1	18.81	461500	462000	Tune-up limit (dBm)	MPR (dB)
Channel				461500	462000	462500		
Frequency (MHz)				2307.5	2310	2312.5		
5	Pi/2 BPSK	1	1	20.12	20.11	20.02	21.0	0.0

n66_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000	19.0	0.0
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	17.87	17.82	17.70	19.0	0.0
40	PI2 BPSK	1	108	17.89	17.84	17.88		
40	PI2 BPSK	1	214	17.87	17.87	17.73		
40	PI2 BPSK	108	0	17.72	17.81	17.75	19.0	0.0
40	PI2 BPSK	108	54	17.89	17.87	17.80	19.0	0.0
40	PI2 BPSK	108	108	17.71	17.70	17.68	19.0	0.0
40	PI2 BPSK	216	0	17.87	17.89	17.68	19.0	0.0
40	QPSK	1	1	17.42	17.53	17.51		
40	QPSK	1	108	17.96	17.82	17.95		
40	QPSK	1	214	17.79	17.94	17.93	19.0	0.0
40	QPSK	108	0	17.55	17.60	17.52		
40	QPSK	108	54	17.59	17.67	17.72		
40	QPSK	108	108	17.85	17.91	17.86	19.0	0.0
40	QPSK	216	0	17.69	17.72	17.91	19.0	0.0
40	16QAM	1	1	17.48	17.50	17.57		
40	64QAM	1	1	17.16	17.35	17.46		
40	256QAM	1	1	17.63	17.70	17.63	19.0	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	PI2 BPSK	1	1	17.72	17.63	17.59	19.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI2 BPSK	1	1	17.87	17.72	17.65	19.0	0.0
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	PI2 BPSK	1	1	17.75	17.81	17.58	19.0	0.0
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	PI2 BPSK	1	1	17.90	17.89	17.74	19.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	PI2 BPSK	1	1	17.73	17.62	17.58	19.0	0.0

n77_FCC_Ant 4							
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	650000	650000	MPR (dB)
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	15.51	15.34	15.04	16.3
100	PI/2 BPSK	1	137	15.66	15.57	15.39	
100	PI/2 BPSK	1	271	15.56	15.05	14.94	
100	PI/2 BPSK	135	0	15.54	15.24	14.99	16.3
100	PI/2 BPSK	135	69	15.63	15.32	15.04	
100	PI/2 BPSK	135	138	15.58	15.04	14.88	
100	PI/2 BPSK	270	0	15.56	15.18	14.99	16.3
100	QPSK	1	1	15.52	15.45	15.34	16.3
100	QPSK	1	137	15.24	15.34	15.30	
100	QPSK	1	271	15.32	15.14	15.32	
100	QPSK	135	0	15.20	15.23	15.27	16.3
100	QPSK	135	69	14.91	15.01	15.11	
100	QPSK	135	138	14.67	14.77	14.62	
100	QPSK	270	0	14.64	14.83	14.70	16.3
100	16QAM	1	1	14.73	14.92	15.07	16.3
100	64QAM	1	1	14.53	14.63	14.79	16.3
100	256QAM	1	1	14.55	14.75	14.83	16.3
Channel				649334	650000	650668	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3940.02	MPR (dB)
80	PI/2 BPSK	1	1	15.53	15.50	14.85	16.3
Channel				648668	650000	653334	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3950.01	MPR (dB)
60	PI/2 BPSK	1	1	15.38	15.29	15.04	16.3
Channel				649200	650000	650800	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	MPR (dB)
40	PI/2 BPSK	1	1	15.42	15.42	15.04	16.3
Channel				647668	650000	654334	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3965.01	MPR (dB)
30	PI/2 BPSK	1	1	15.34	15.51	15.20	16.3
Channel				647334	650000	654668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3970.02	MPR (dB)
20	PI/2 BPSK	1	1	15.46	15.15	14.91	16.3

n78_FCC_Ant 4							
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	650000	650000	MPR (dB)
Frequency (MHz)				3750	3750	3750	
100	PI/2 BPSK	1	1		15.28		16.2
100	PI/2 BPSK	1	137		15.36		
100	PI/2 BPSK	1	271		15.19		
100	PI/2 BPSK	135	0		15.24		16.2
100	PI/2 BPSK	135	69		15.31		
100	PI/2 BPSK	135	138		15.23		
100	PI/2 BPSK	270	0		15.29		16.2
100	QPSK	1	1		15.30		16.2
100	QPSK	1	137		15.20		
100	QPSK	1	271		15.16		
100	QPSK	135	0		15.21		16.2
100	QPSK	135	69		15.24		
100	QPSK	135	138		15.22		
100	QPSK	270	0		15.30		16.2
100	16QAM	1	1		15.21		16.2
100	64QAM	1	1		15.28		16.2
100	256QAM	1	1		15.15		16.2
Channel				649668	650000	650334	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3755.01	MPR (dB)
90	PI/2 BPSK	1	1	15.21	15.35	14.93	16.2
Channel				649334	650000	650668	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3760.02	MPR (dB)
80	PI/2 BPSK	1	1	15.35	15.35	14.88	16.2
Channel				649200	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	MPR (dB)
70	PI/2 BPSK	1	1	15.05	15.29	14.91	16.2
Channel				648668	650000	651334	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3770.01	MPR (dB)
60	PI/2 BPSK	1	1	15.16	14.99	15.06	16.2
Channel				648334	650000	651668	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3775.02	MPR (dB)
50	PI/2 BPSK	1	1	15.30	15.28	15.16	16.2
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	MPR (dB)
40	PI/2 BPSK	1	1	15.23	15.15	14.86	16.2
Channel				647668	650000	652334	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3785.01	MPR (dB)
30	PI/2 BPSK	1	1	15.06	15.18	14.88	16.2
Channel				647334	650000	652668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3790.02	MPR (dB)
20	PI/2 BPSK	1	1	15.22	15.24	14.82	16.2



n2_Ant 1 (DS12,DS14)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				370000	376000	380000	24.0	0.0	
Frequency (MHz)									
20	Pi/2 BPSK	1	1	22.91	22.90	22.93	24.0	0.0	
20	Pi/2 BPSK	1	53	22.53	22.91	22.98			
20	Pi/2 BPSK	1	104	22.86	22.91	22.96			
20	Pi/2 BPSK	50	0	22.85	22.75	22.89	24.0	0.0	
20	Pi/2 BPSK	50	28	22.83	22.73	22.94	24.0	0.0	
20	Pi/2 BPSK	50	56	22.80	22.70	22.91	24.0	0.0	
20	Pi/2 BPSK	100	0	22.85	22.76	22.89	24.0	0.0	
20	QPSK	1	1	22.84	22.76	22.88			
20	QPSK	1	53	22.85	22.84	22.81			
20	QPSK	1	104	22.82	22.82	22.96	23.0	1.0	
20	QPSK	50	0	22.35	22.30	22.45			
20	QPSK	50	28	22.85	22.77	22.91			
20	QPSK	50	56	22.33	22.26	22.64	23.0	1.0	
20	QPSK	100	0	22.38	22.32	22.52			
20	16QAM	1	1	22.02	22.05	22.06	23.0	1.0	
20	64QAM	1	1	20.70	20.65	20.60	21.5	2.5	
20	256QAM	1	1	18.50	18.76	18.81	19.5	4.5	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	Pi/2 BPSK	1	1	22.80	22.69	22.88	24.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1890	1905			
10	Pi/2 BPSK	1	1	22.84	22.72	22.97	24.0	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	Pi/2 BPSK	1	1	22.85	22.71	22.96	24.0	0.0	

Full Power Mode for LAT									
n5_Ant 8 (DS12,DS14,DS16)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800	24.0	0.0	
Frequency (MHz)				834	836.5	839			
20	Pi/2 BPSK	1	1	22.96	22.92	22.84	24.0	0.0	
20	Pi/2 BPSK	1	53	22.90	22.86	22.81			
20	Pi/2 BPSK	1	104	22.82	22.79	22.77			
20	Pi/2 BPSK	50	0	22.89	22.84	22.81	24.0	0.0	
20	Pi/2 BPSK	50	28	22.85	22.83	22.81	24.0	0.0	
20	Pi/2 BPSK	50	56	22.88	22.87	22.85	24.0	0.0	
20	Pi/2 BPSK	100	0	22.95	22.91	22.90	24.0	0.0	
20	QPSK	1	1	22.70	22.74	22.71			
20	QPSK	1	53	22.88	22.81	22.84			
20	QPSK	1	104	22.80	22.82	22.85	23.0	1.0	
20	QPSK	50	0	22.91	22.88	22.89			
20	QPSK	50	28	22.84	22.84	22.89			
20	QPSK	50	56	22.52	22.48	22.50	23.0	1.0	
20	QPSK	100	0	22.53	22.56	22.52			
20	16QAM	1	1	21.87	21.85	21.86	23.0	1.0	
20	64QAM	1	1	20.88	20.79	20.81	21.5	2.5	
20	256QAM	1	1	18.84	18.81	18.82	19.5	4.5	
Channel				163300	163900	163300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	Pi/2 BPSK	1	1	22.75	22.83	22.79	24.0	0.0	
Channel				165800	167300	166800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	Pi/2 BPSK	1	1	22.71	22.77	22.80	24.0	0.0	
Channel				165300	167300	165300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	Pi/2 BPSK	1	1	22.81	22.86	22.91	24.0	0.0	

n25_Ant 1 (DS12,DS14)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372500	376500	380500	24.0	0.0	
Frequency (MHz)				1870	1882.5	1895			
40	Pi/2 BPSK	1	1	22.85	22.83	22.82	24.0	0.0	
40	Pi/2 BPSK	1	108	22.77	22.73	22.71			
40	Pi/2 BPSK	1	214	22.76	22.71	22.60			
40	Pi/2 BPSK	108	0	22.72	22.63	22.60	23.5	0.5	
40	Pi/2 BPSK	108	54	22.66	22.50	22.48	24.0	0.0	
40	Pi/2 BPSK	108	108	22.68	22.57	22.13	23.5	0.5	
40	Pi/2 BPSK	216	0	22.30	21.97	21.63			
40	QPSK	1	1	22.76	22.79	22.74			
40	QPSK	1	108	22.81	22.77	22.69	24.0	0.0	
40	QPSK	1	214	22.76	22.71	22.63			
40	QPSK	108	0	22.32	22.25	22.23	23.0	1.0	
40	QPSK	108	54	22.81	22.75	22.69	24.0	0.0	
40	QPSK	108	108	22.32	22.33	22.18	23.0	1.0	
40	QPSK	216	0	22.48	22.39	22.36			
40	16QAM	1	1	22.34	22.39	22.05	23.0	1.0	
40	64QAM	1	1	20.68	20.51	20.56	21.5	2.5	
40	256QAM	1	1	19.25	19.20	18.84	19.5	4.5	
Channel				372000	376500	380500	Tune-up limit	MPR	
Frequency (MHz)				1865	1882.5	1900	(dBm)	(dB)	
30	Pi/2 BPSK	1	1	22.79	22.80	22.74	24.0	0.0	
Channel				372500	376500	380500	Tune-up limit	MPR	
Frequency (MHz)				1862.5	1882.5	1902.5	(dBm)	(dB)	
25	Pi/2 BPSK	1	1	22.72	22.64	22.59	24.0	0.0	
Channel				372000	376500	381000	Tune-up limit	MPR	
Frequency (MHz)				1860	1882.5	1905	(dBm)	(dB)	
20	Pi/2 BPSK	1	1	22.77	22.68	22.57	24.0	0.0	
Channel				371000	376500	381000	Tune-up limit	MPR	
Frequency (MHz)				1857.5	1882.5	1907.5	(dBm)	(dB)	
15	Pi/2 BPSK	1	1	22.82	22.72	22.53	24.0	0.0	
Channel				371000	376500	382000	Tune-up limit	MPR	
Frequency (MHz)				1855	1882.5	1910	(dBm)	(dB)	
10	Pi/2 BPSK	1	1	22.78	22.79	22.67	24.0	0.0	
Channel				370500	376500	382500	Tune-up limit	MPR	
Frequency (MHz)				1852.5	1882.5	1912.5	(dBm)	(dB)	
5	Pi/2 BPSK	1	1	22.81	22.77	22.66	24.0	0.0	



n26_Ant 8 (DSI2,DSI4,DSI6)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				824	831.5	839	24.0	0.0	
Frequency (MHz)									
20	Pi/2 BPSK	1	1	22.86	22.82	22.79			
20	Pi/2 BPSK	1	53	22.89	22.89	22.86			
20	Pi/2 BPSK	1	104	22.73	22.71	22.67	24.0	0.0	
20	Pi/2 BPSK	50	0	22.77	22.70	22.71			
20	Pi/2 BPSK	50	28	22.74	22.73	22.63			
20	Pi/2 BPSK	50	56	22.76	22.68	22.66			
20	Pi/2 BPSK	100	0	22.72	22.70	22.69	24.0	0.0	
20	QPSK	1	1	22.69	22.61	22.67			
20	QPSK	1	53	22.68	22.66	22.62			
20	QPSK	1	104	22.64	22.63	22.69			
20	QPSK	50	0	22.75	22.75	22.72	24.0	0.0	
20	QPSK	50	28	22.80	22.74	22.64			
20	QPSK	50	56	22.78	22.68	22.62			
20	QPSK	100	0	22.79	22.80	22.66			
20	16QAM	1	1	22.11	22.09	22.08	23.0	1.0	
20	64QAM	1	1	20.45	20.47	20.49			
20	256QAM	1	1	18.81	18.76	18.79			
20	256QAM	1	1	18.81	18.76	18.79			
Channel				821.5	831.5	841.5	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	Pi/2 BPSK	1	1	22.66	22.62	22.55	24.0	0.0	
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	Pi/2 BPSK	1	1	22.69	22.72	22.70	24.0	0.0	
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	Pi/2 BPSK	1	1	22.71	22.80	22.75	24.0	0.0	

n30_Ant1(DSI2,DSI4)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2310			24.0	0.0	
Frequency (MHz)									
10	Pi/2 BPSK	1	1		22.91				
10	Pi/2 BPSK	1	26		23.05				
10	Pi/2 BPSK	1	50		23.13		24.0	0.0	
10	Pi/2 BPSK	25	0		22.91				
10	Pi/2 BPSK	25	13		23.09				
10	Pi/2 BPSK	25	26		23.07				
10	Pi/2 BPSK	50	0		22.81		24.0	0.0	
10	QPSK	1	1		22.87				
10	QPSK	1	26		23.02				
10	QPSK	1	50		23.11				
10	QPSK	25	0		22.92		24.0	0.0	
10	QPSK	25	13		23.07				
10	QPSK	25	26		23.11				
10	QPSK	50	0		22.98				
10	16QAM	1	1		23.10		24.0	0.0	
10	64QAM	1	1		21.22				
10	256QAM	1	1		18.90				
10	256QAM	1	1		19.5				
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5			
5	Pi/2 BPSK	1	1	22.92	23.04	23.10	24.0	0.0	

n66_Ant 1(DSI2,DSI4)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				1730	1745	1760	24.0	0.0	
Frequency (MHz)									
40	Pi/2 BPSK	1	1	22.82	22.84	22.88			
40	Pi/2 BPSK	1	106	22.70	22.95	22.96			
40	Pi/2 BPSK	1	214	22.92	23.02	23.04	24.0	0.0	
40	Pi/2 BPSK	108	0	22.62	22.76	22.83			
40	Pi/2 BPSK	108	54	22.74	22.85	22.90			
40	Pi/2 BPSK	108	108	22.84	22.92	22.97			
40	Pi/2 BPSK	216	0	22.83	22.81	22.87	24.0	0.0	
40	QPSK	1	1	22.67	22.65	22.83			
40	QPSK	1	108	22.70	22.88	23.01			
40	QPSK	1	214	22.96	23.01	22.97			
40	QPSK	108	0	22.12	22.30	22.48	23.0	1.0	
40	QPSK	108	54	22.74	22.91	23.01			
40	QPSK	108	108	22.37	22.57	22.67			
40	QPSK	216	0	22.21	22.40	22.58			
40	16QAM	1	1	22.10	22.12	22.35	23.0	1.0	
40	64QAM	1	1	20.28	20.23	20.48			
40	256QAM	1	1	18.80	18.92	19.02			
40	256QAM	1	1	18.80	18.92	19.02			
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	Pi/2 BPSK	1	1	22.58	22.66	22.81	24.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1743	1762			
20	Pi/2 BPSK	1	1	22.61	22.71	22.94	24.0	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	Pi/2 BPSK	1	1	22.55	22.77	22.87	24.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	Pi/2 BPSK	1	1	22.80	22.81	23.01	24.0	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	Pi/2 BPSK	1	1	22.55	22.81	22.99	24.0	0.0	

n71_Ant 8(DSI2,DSI3,DSI4,DSI6)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134600	136100	137600	24.0	0.0	
Frequency (MHz)				673	680.5	688			
20	PI2 BPSK	1	1	22.97	22.86	22.78	24.0	0.0	
20	PI2 BPSK	1	53	22.80	22.83	22.60			
20	PI2 BPSK	1	104	22.86	22.76	22.51			
20	PI2 BPSK	50	0	22.89	22.77	22.67	24.0	0.0	
20	PI2 BPSK	50	28	22.88	22.80	22.57	24.0	0.0	
20	PI2 BPSK	50	56	22.84	22.72	22.44	24.0	0.0	
20	PI2 BPSK	100	0	22.54	22.83	22.61			
20	QPSK	1	1	22.81	22.71	22.71	24.0	0.0	
20	QPSK	1	53	22.85	22.79	22.58			
20	QPSK	1	104	22.84	22.81	22.42			
20	QPSK	50	0	22.94	22.85	22.68	24.0	0.0	
20	QPSK	50	28	22.53	22.80	22.53	24.0	0.0	
20	QPSK	50	56	22.83	22.69	22.47	24.0	0.0	
20	QPSK	100	0	22.94	22.75	22.57			
20	16QAM	1	1	22.51	22.18	22.13	23.0	1.0	
20	64QAM	1	1	21.06	20.81	20.86	21.5	2.5	
20	256QAM	1	1	19.09	18.88	18.85	19.5	4.5	
Channel				134100	135100	136100	Tune-up limit	MPR	
Frequency (MHz)				670.5	680.5	690.5	(dBm)	(dB)	
15	PI2 BPSK	1	1	22.92	22.78	22.68	24.0	0.0	
Channel				133600	136100	138600	Tune-up limit	MPR	
Frequency (MHz)				661	671.5	681	(dBm)	(dB)	
10	PI2 BPSK	1	1	22.95	22.87	22.80	24.0	0.0	
Channel				133100	136100	139100	Tune-up limit	MPR	
Frequency (MHz)				665.5	680.5	695.5	(dBm)	(dB)	
5	PI2 BPSK	1	1	22.93	22.74	22.64	24.0	0.0	

n41_Ant 1 (DS12,DS14)								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	Pi/2 BPSK	1	1	23.15	23.09	23.21	24.0	0.0
100	Pi/2 BPSK	1	137	23.21	23.18	23.02		
100	Pi/2 BPSK	1	271	23.35	23.31	23.25		
100	Pi/2 BPSK	135	0	23.10	23.02	22.81	24.0	0.0
100	Pi/2 BPSK	135	69	23.11	23.00	22.80		
100	Pi/2 BPSK	135	138	23.17	23.02	22.83		
100	Pi/2 BPSK	270	0	23.04	23.00	22.93	23.5	0.5
100	QPSK	1	1	23.07	23.06	23.04	24.0	0.0
100	QPSK	1	137	23.19	23.12	22.81		
100	QPSK	1	271	23.31	23.24	22.73		
100	QPSK	135	0	23.04	23.10	22.56	24.0	0.0
100	QPSK	135	69	23.07	23.05	22.39		
100	QPSK	135	138	23.09	22.27	22.84		
100	QPSK	270	0	22.97	22.69	22.47	23.0	1.0
100	16QAM	1	1	22.94	22.91	22.87	23.0	1.0
100	64QAM	1	1	21.37	21.39	21.21	21.5	2.5
100	256QAM	1	1	19.14	19.14	19.15	4.5	4.5
Channel				502200	518598	529998		
Frequency (MHz)				2541	2592.99	2644.98		
90	Pi/2 BPSK	1	1	23.09	23.13	23.30	24.0	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	Pi/2 BPSK	1	1	23.08	23.17	23.24	24.0	0.0
Channel				502200	518598	531998		
Frequency (MHz)				2526	2592.99	2659.98		
60	Pi/2 BPSK	1	1	23.21	23.28	23.18	24.0	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	Pi/2 BPSK	1	1	23.29	23.12	23.25	24.0	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	Pi/2 BPSK	1	1	23.16	23.17	23.24	24.0	0.0
Channel				502200	518598	534998		
Frequency (MHz)				2511	2592.99	2674.98		
30	Pi/2 BPSK	1	1	23.16	23.30	23.29	24.0	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	Pi/2 BPSK	1	1	23.29	23.19	23.17	24.0	0.0

n41_HPUE_Ant 1 (DS12,DS14)								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	Pi/2 BPSK	1	1	25.37	25.51	25.41	27.0	0.0
100	Pi/2 BPSK	1	137	25.32	25.13	25.08		
100	Pi/2 BPSK	1	271	25.56	25.29	25.13		
100	Pi/2 BPSK	135	0	25.32	25.24	25.36	27.0	0.0
100	Pi/2 BPSK	135	69	25.38	25.01	25.30		
100	Pi/2 BPSK	135	138	25.40	25.06	25.36		
100	Pi/2 BPSK	270	0	25.26	24.55	24.73	26.5	0.5
100	QPSK	1	1	25.41	25.55	25.25	27.0	0.0
100	QPSK	1	137	25.30	25.28	25.22		
100	QPSK	1	271	25.21	25.33	25.17		
100	QPSK	135	0	25.35	25.13	25.14	27.0	0.0
100	QPSK	135	69	25.51	25.15	25.17		
100	QPSK	135	138	25.13	25.23	25.18		
100	QPSK	270	0	24.01	24.13	24.12	26.0	1.0
100	16QAM	1	1	23.06	24.18	24.03	26.0	1.0
100	64QAM	1	1	21.62	22.72	22.32	24.5	2.5
100	256QAM	1	1	21.44	21.53	21.15	22.5	4.5
Channel				502200	518598	529998		
Frequency (MHz)				2541	2592.99	2644.98		
90	Pi/2 BPSK	1	1	25.54	25.52	25.49	27.0	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	Pi/2 BPSK	1	1	25.51	25.45	25.44	27.0	0.0
Channel				502200	518598	531998		
Frequency (MHz)				2526	2592.99	2659.98		
60	Pi/2 BPSK	1	1	25.48	25.45	25.07	27.0	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	Pi/2 BPSK	1	1	25.53	25.54	25.04	27.0	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	Pi/2 BPSK	1	1	25.51	25.52	25.09	27.0	0.0
Channel				502200	518598	534998		
Frequency (MHz)				2511	2592.99	2674.98		
30	Pi/2 BPSK	1	1	25.48	25.45	25.47	27.0	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	Pi/2 BPSK	1	1	25.25	25.28	25.37	27.0	0.0



DSI3 for body worn for LAT

n2_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	38000	18.8	0.0
Frequency (MHz)				1860	1880	1900		
20	Pi/2 BPSK	1	1	17.75	17.78	17.84	18.8	0.0
20	Pi/2 BPSK	1	53	17.70	17.67	17.57		
20	Pi/2 BPSK	1	104	17.68	17.75	17.87		
20	Pi/2 BPSK	50	0	17.71	17.60	17.76	18.8	0.0
20	Pi/2 BPSK	50	28	17.66	17.59	17.83	18.8	0.0
20	Pi/2 BPSK	50	56	17.61	17.59	17.80	18.8	0.0
20	Pi/2 BPSK	100	0	17.64	17.61	17.87		
20	QPSK	1	1	17.52	17.70	17.81		
20	QPSK	1	53	17.52	17.67	17.75	18.8	0.0
20	QPSK	1	104	17.61	17.81	17.62	18.8	0.0
20	QPSK	50	0	17.48	17.68	17.61		
20	QPSK	50	28	17.65	17.73	17.82		
20	QPSK	50	56	17.75	17.70	17.62	18.8	0.0
20	QPSK	100	0	17.62	17.71	17.54		
20	16QAM	1	1	17.70	17.71	17.78	18.8	0.0
20	64QAM	1	1	17.93	17.74	17.94	18.8	0.0
20	256QAM	1	1	17.65	17.74	17.66	18.8	0.0
Channel				375100	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	Pi/2 BPSK	1	1	17.57	17.63	17.76	18.8	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	Pi/2 BPSK	1	1	17.88	17.73	17.65	18.8	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	Pi/2 BPSK	1	1	17.73	17.73	17.71	18.8	0.0

n5_Ant 8								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	22.9	0.0
Frequency (MHz)				834	836.5	839		
20	Pi/2 BPSK	1	1	21.70	21.83	21.64	22.9	0.0
20	Pi/2 BPSK	1	53	21.54	21.50	21.46		
20	Pi/2 BPSK	1	104	21.44	21.42	21.32		
20	Pi/2 BPSK	50	0	21.67	21.66	21.58	22.9	0.0
20	Pi/2 BPSK	50	28	21.63	21.59	21.57	22.9	0.0
20	Pi/2 BPSK	50	56	21.56	21.52	21.49	22.9	0.0
20	Pi/2 BPSK	100	0	21.64	21.61	21.60	22.9	0.0
20	QPSK	1	1	21.63	21.54	21.64		
20	QPSK	1	53	21.40	21.41	21.60		
20	QPSK	1	104	21.09	21.29	21.14	22.9	0.0
20	QPSK	50	0	21.59	21.57	21.67		
20	QPSK	50	28	21.65	21.48	21.45		
20	QPSK	50	56	21.57	21.39	21.41	22.9	0.0
20	QPSK	100	0	21.65	21.53	21.62	22.9	0.0
20	16QAM	1	1	21.52	21.64	21.69		
20	64QAM	1	1	20.88	20.79	20.81		
20	256QAM	1	1	18.84	18.81	18.82	19.5	1.4
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	Pi/2 BPSK	1	1	21.36	21.48	21.29	22.9	0.0
Channel				165800	167300	166800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	Pi/2 BPSK	1	1	21.38	21.45	21.39	22.9	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	Pi/2 BPSK	1	1	21.59	21.57	21.38	22.9	0.0

n25_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374500	376500	378500	18.8	0.0
Frequency (MHz)				1870	1882.5	1895		
40	Pi/2 BPSK	1	1	18.00	17.95	17.90	18.8	0.0
40	Pi/2 BPSK	1	108	17.95	17.84	17.74		
40	Pi/2 BPSK	1	214	17.82	17.72	17.73		
40	Pi/2 BPSK	108	0	17.82	17.79	17.70	18.8	0.0
40	Pi/2 BPSK	108	54	17.72	17.72	17.57	18.8	0.0
40	Pi/2 BPSK	108	108	17.63	17.70	17.68	18.8	0.0
40	Pi/2 BPSK	216	0	17.81	17.79	17.80		
40	QPSK	1	1	17.86	17.80	17.81		
40	QPSK	1	108	17.68	17.81	17.67	18.8	0.0
40	QPSK	1	214	17.76	17.81	17.73	18.8	0.0
40	QPSK	108	0	17.78	17.76	17.66		
40	QPSK	108	54	17.87	17.79	17.65		
40	QPSK	108	108	17.63	17.83	17.66	18.8	0.0
40	QPSK	216	0	17.71	17.85	17.67	18.8	0.0
40	16QAM	1	1	17.82	17.72	17.84		
40	64QAM	1	1	17.99	17.91	17.85	18.8	0.0
40	256QAM	1	1	17.99	17.86	17.63	18.8	0.0
Channel				373600	376500	380500	Tune-up limit	MPR
Frequency (MHz)				1865	1882.5	1900	(dBm)	(dB)
30	Pi/2 BPSK	1	1	17.93	17.98	17.79	18.8	0.0
Channel				372500	376500	380500	Tune-up limit	MPR
Frequency (MHz)				1862.5	1882.5	1902.5	(dBm)	(dB)
25	Pi/2 BPSK	1	1	17.81	17.90	17.62	18.8	0.0
Channel				372000	376500	381000	Tune-up limit	MPR
Frequency (MHz)				1860	1882.5	1905	(dBm)	(dB)
20	Pi/2 BPSK	1	1	17.83	17.91	17.64	18.8	0.0
Channel				371000	376500	381000	Tune-up limit	MPR
Frequency (MHz)				1857.5	1882.5	1902.5	(dBm)	(dB)
15	Pi/2 BPSK	1	1	17.75	17.88	17.54	18.8	0.0
Channel				371000	376500	382000	Tune-up limit	MPR
Frequency (MHz)				1855	1882.5	1910	(dBm)	(dB)
10	Pi/2 BPSK	1	1	17.98	17.64	17.64	18.8	0.0
Channel				370500	376500	382500	Tune-up limit	MPR
Frequency (MHz)				1852.5	1882.5	1912.5	(dBm)	(dB)
5	Pi/2 BPSK	1	1	17.88	17.84	17.73	18.8	0.0



n26_Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				163800	166300	167800	22.9	0.0	
Frequency (MHz)				824	831.5	839			
20	Pi/2 BPSK	1	1	21.35	21.22	21.32	22.9	0.0	
20	Pi/2 BPSK	1	53	21.72	21.21	21.19			
20	Pi/2 BPSK	1	104	21.53	21.13	21.29			
20	Pi/2 BPSK	50	0	21.52	21.32	21.20	22.9	0.0	
20	Pi/2 BPSK	50	28	21.46	21.26	21.23	22.9	0.0	
20	Pi/2 BPSK	50	56	21.50	21.31	21.30	22.9	0.0	
20	Pi/2 BPSK	100	0	21.50	21.29	21.27			
20	QPSK	1	1	20.94	21.12	20.96			
20	QPSK	1	53	20.94	21.02	21.09	22.9	0.0	
20	QPSK	1	104	21.04	21.04	20.97	22.9	0.0	
20	QPSK	50	0	21.11	21.19	21.26			
20	QPSK	50	28	21.05	21.18	21.19			
20	QPSK	50	56	21.30	21.20	21.21	22.9	0.0	
20	QPSK	100	0	21.20	21.21	21.41			
20	16QAM	1	1	21.11	21.01	20.92			
20	64QAM	1	1	20.45	20.45	20.49	21.5	1.4	
20	256QAM	1	1	18.81	18.76	18.79	19.5	3.4	
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				824.5	831.5	841.5	22.9	0.0	
15	Pi/2 BPSK	1	1	21.37	21.24	21.45	22.9	0.0	
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844	22.9		
10	Pi/2 BPSK	1	1	21.47	21.34	21.48	22.9	0.0	
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5	22.9		
5	Pi/2 BPSK	1	1	21.39	21.32	21.52	22.9	0.0	

n30_Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2310			19.9	0.0	
Frequency (MHz)									
10	Pi/2 BPSK	1	1		19.15		19.9	0.0	
10	Pi/2 BPSK	1	26		19.10				
10	Pi/2 BPSK	1	50		19.18				
10	Pi/2 BPSK	25	0		19.06		19.9	0.0	
10	Pi/2 BPSK	25	13		19.12		19.9	0.0	
10	Pi/2 BPSK	25	26		19.02		19.9	0.0	
10	Pi/2 BPSK	50	0		19.09				
10	QPSK	1	1		19.05				
10	QPSK	1	26		19.15		19.9	0.0	
10	QPSK	1	50		19.14				
10	QPSK	25	0		18.97				
10	QPSK	25	13		19.14		19.9	0.0	
10	QPSK	25	26		19.12		19.9	0.0	
10	QPSK	50	0		19.05				
10	16QAM	1	1		18.80		19.9	0.0	
10	64QAM	1	1		18.68		19.9	0.0	
10	256QAM	1	1		18.47		19.0	0.9	
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5	19.9	0.0	
5	Pi/2 BPSK	1	1	19.05	19.00	19.11	19.9	0.0	

n66_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				343000	344000	345000	17.1	0.0	
Frequency (MHz)				1730	1745	1760			
40	Pi/2 BPSK	1	1	15.93	16.08	16.11	17.1	0.0	
40	Pi/2 BPSK	1	106	15.95	16.19	16.24			
40	Pi/2 BPSK	1	214	16.20	16.23	16.28			
40	Pi/2 BPSK	108	0	15.90	16.08	16.23	17.1	0.0	
40	Pi/2 BPSK	108	54	15.93	16.15	16.02	17.1	0.0	
40	Pi/2 BPSK	108	108	16.17	16.21	16.26	17.1	0.0	
40	Pi/2 BPSK	216	0	16.02	16.11	16.22			
40	QPSK	1	1	16.25	16.23	16.27			
40	QPSK	1	108	16.15	16.18	16.19	17.1	0.0	
40	QPSK	1	214	15.97	16.15	16.13	17.1	0.0	
40	QPSK	108	0	16.07	16.12	16.27			
40	QPSK	108	54	16.13	16.16	16.04			
40	QPSK	108	108	16.12	16.17	16.13	17.1	0.0	
40	QPSK	216	0	16.03	16.23	16.23			
40	16QAM	1	1	15.86	16.05	15.97	17.1	0.0	
40	64QAM	1	1	16.25	16.20	16.13	17.1	0.0	
40	256QAM	1	1	16.15	16.22	16.09	17.1	0.0	
Channel				343000	344000	345000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	17.1	0.0	
30	Pi/2 BPSK	1	1	15.82	16.25	16.12	17.1	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	17.1	0.0	
20	Pi/2 BPSK	1	1	15.80	16.06	15.97	17.1	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	17.1	0.0	
15	Pi/2 BPSK	1	1	15.73	16.11	16.21	17.1	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	17.1	0.0	
10	Pi/2 BPSK	1	1	15.92	16.00	16.20	17.1	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	17.1	0.0	
5	Pi/2 BPSK	1	1	15.79	16.23	16.16	17.1	0.0	

n41_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502202	518598	526000	2540		
Frequency (MHz)				2548.01	2592.99	2640			
100	Pi/2 BPSK	1	1	16.97	16.90	16.82	18.0	0.0	
100	Pi/2 BPSK	1	137	17.12	17.05	17.01			
100	Pi/2 BPSK	1	271	17.13	17.12	17.10			
100	Pi/2 BPSK	135	0	16.82	16.88	16.79			
100	Pi/2 BPSK	135	69	16.95	16.98	16.93	18.0	0.0	
100	Pi/2 BPSK	135	138	17.02	16.95	16.93			
100	Pi/2 BPSK	270	0	16.94	16.87	16.89			
100	QPSK	1	1	16.87	16.92	16.84			
100	QPSK	1	137	17.09	17.03	16.91	18.0	0.0	
100	QPSK	1	271	17.11	17.11	16.97			
100	QPSK	135	0	17.12	16.92	16.98			
100	QPSK	135	69	17.12	16.97	16.87			
100	QPSK	135	138	16.82	16.91	16.73	18.0	0.0	
100	QPSK	270	0	16.83	17.00	16.93			
100	16QAM	1	1	16.59	16.76	16.91			
100	64QAM	1	1	16.69	16.75	16.58			
100	256QAM	1	1	16.93	17.02	17.08	18.0	0.0	
Channel				502202	518598	526098	2540		
Frequency (MHz)				2541	2592.99	2644.98			
90	Pi/2 BPSK	1	1	17.05	16.93	16.82	18.0	0.0	
Channel				507204	518598	529998	2536.02		
Frequency (MHz)				2536.02	2592.99	2649.99			
80	Pi/2 BPSK	1	1	17.00	16.75	16.81	18.0	0.0	
Channel				502200	518598	531998	2526		
Frequency (MHz)				2526	2592.99	2659.98			
60	Pi/2 BPSK	1	1	17.07	17.05	16.93	18.0	0.0	
Channel				504204	518598	532998	2521.02		
Frequency (MHz)				2521.02	2592.99	2664.99			
50	Pi/2 BPSK	1	1	16.91	17.01	16.98	18.0	0.0	
Channel				503202	518598	534000	2516.01		
Frequency (MHz)				2516.01	2592.99	2670			
40	Pi/2 BPSK	1	1	16.86	16.94	16.77	18.0	0.0	
Channel				502200	518598	534996	2511		
Frequency (MHz)				2511	2592.99	2674.98			
30	Pi/2 BPSK	1	1	17.06	16.82	16.67	18.0	0.0	
Channel				501204	518598	535998	2506.02		
Frequency (MHz)				2506.02	2592.99	2679.98			
20	Pi/2 BPSK	1	1	17.02	16.77	16.91	18.0	0.0	

n41_HPUE_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502202	518598	526000	2540		
Frequency (MHz)				2548.01	2592.99	2640			
100	Pi/2 BPSK	1	1	16.97	16.90	16.82	18.0	0.0	
100	Pi/2 BPSK	1	137	17.12	17.05	17.01			
100	Pi/2 BPSK	1	271	17.13	17.12	17.10			
100	Pi/2 BPSK	135	0	16.82	16.88	16.79			
100	Pi/2 BPSK	135	69	16.95	16.98	16.93	18.0	0.0	
100	Pi/2 BPSK	135	138	17.02	16.95	16.93			
100	Pi/2 BPSK	270	0	16.94	16.87	16.89			
100	QPSK	1	1	16.87	16.92	16.84			
100	QPSK	1	137	17.09	17.03	16.91	18.0	0.0	
100	QPSK	1	271	17.11	17.11	16.97			
100	QPSK	135	0	17.12	16.92	16.98			
100	QPSK	135	69	17.12	16.97	16.87			
100	QPSK	135	138	16.82	16.91	16.73	18.0	0.0	
100	QPSK	270	0	16.83	17.00	16.93			
100	16QAM	1	1	16.59	16.76	16.91			
100	64QAM	1	1	16.69	16.75	16.58			
100	256QAM	1	1	16.93	17.02	17.08	18.0	0.0	
Channel				502202	518598	526098	2540		
Frequency (MHz)				2541	2592.99	2644.98			
90	Pi/2 BPSK	1	1	17.05	16.93	16.82	18.0	0.0	
Channel				507204	518598	529998	2536.02		
Frequency (MHz)				2536.02	2592.99	2649.99			
80	Pi/2 BPSK	1	1	17.00	16.75	16.81	18.0	0.0	
Channel				502200	518598	531998	2526		
Frequency (MHz)				2526	2592.99	2659.98			
60	Pi/2 BPSK	1	1	17.07	17.05	16.93	18.0	0.0	
Channel				504204	518598	532998	2521.02		
Frequency (MHz)				2521.02	2592.99	2664.99			
50	Pi/2 BPSK	1	1	16.91	17.01	16.98	18.0	0.0	
Channel				503202	518598	534000	2516.01		
Frequency (MHz)				2516.01	2592.99	2670			
40	Pi/2 BPSK	1	1	16.86	16.94	16.77	18.0	0.0	
Channel				502200	518598	534996	2511		
Frequency (MHz)				2511	2592.99	2674.98			
30	Pi/2 BPSK	1	1	17.06	16.82	16.67	18.0	0.0	
Channel				501204	518598	535998	2506.02		
Frequency (MHz)				2506.02	2592.99	2679.98			
20	Pi/2 BPSK	1	1	17.02	16.77	16.91	18.0	0.0	



DSI3_Sim-Tx for Body-worn and Hotspot for LAT

n2_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	17.1	0.0
Frequency (MHz)				1860	1880	1900		
20	Pi/2 BPSK	1	1	16.10	15.92	16.15	17.1	0.0
20	Pi/2 BPSK	1	53	16.05	15.95	16.14		
20	Pi/2 BPSK	1	104	16.02	16.01	16.20	17.1	0.0
20	Pi/2 BPSK	50	0	16.00	15.92	16.07		
20	Pi/2 BPSK	50	28	15.95	15.88	16.11	17.1	0.0
20	Pi/2 BPSK	50	56	15.91	15.89	16.14		
20	Pi/2 BPSK	100	0	16.04	15.91	16.16	17.1	0.0
20	QPSK	1	1	15.87	15.75	15.57		
20	QPSK	1	53	15.85	15.71	15.61	17.1	0.0
20	QPSK	1	104	15.96	15.85	15.91		
20	QPSK	50	0	15.80	15.71	15.90	17.1	0.0
20	QPSK	50	28	15.55	15.89	15.77		
20	QPSK	50	56	15.61	15.86	15.82	17.1	0.0
20	QPSK	100	0	15.89	15.69	15.57		
20	16QAM	1	1	15.63	15.76	15.63	17.1	0.0
20	64QAM	1	1	15.52	15.69	15.71		
20	256QAM	1	1	16.03	15.84	15.68	17.1	0.0
Channel				371500	376000	380500		
Frequency (MHz)				1857.5	1880	1902.5	Tune-up limit (dBm)	MPR (dB)
15	Pi/2 BPSK	1	1	16.12	15.91	16.15	17.1	0.0
Channel				371000	376000	381000		
Frequency (MHz)				1865	1880	1905 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)
10	Pi/2 BPSK	1	1	16.00	16.11	16.14	17.1	0.0
Channel				370500	376000	381500		
Frequency (MHz)				1862.5 <th>1880</th> <th>1907.5<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th>	1880	1907.5 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)
5	Pi/2 BPSK	1	1	16.03	16.10	16.15	17.1	0.0

n5_Ant 8								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	22.9	0.0
Frequency (MHz)				834	836.5	839		
20	Pi/2 BPSK	1	1	21.70	21.83	21.84	22.9	0.0
20	Pi/2 BPSK	1	53	21.54	21.50	21.46		
20	Pi/2 BPSK	1	104	21.44	21.44	21.32	22.9	0.0
20	Pi/2 BPSK	50	0	21.67	21.66	21.58		
20	Pi/2 BPSK	50	28	21.63	21.59	21.57	22.9	0.0
20	Pi/2 BPSK	50	56	21.56	21.52	21.49		
20	Pi/2 BPSK	100	0	21.64	21.61	21.60	22.9	0.0
20	QPSK	1	1	21.43	21.54	21.34		
20	QPSK	1	53	21.41	21.41	21.52	22.9	0.0
20	QPSK	1	104	21.18	21.29	21.18		
20	QPSK	50	0	21.61	21.57	21.61	22.9	0.0
20	QPSK	50	28	21.67	21.48	21.62		
20	QPSK	50	56	21.26	21.39	21.42	22.9	0.0
20	QPSK	100	0	21.65	21.53	21.35		
20	16QAM	1	1	21.49	21.64	21.50	22.9	0.0
20	64QAM	1	1	20.88	20.79	20.81		
20	256QAM	1	1	18.84	18.81	18.82	19.5	3.4
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	22.9	0.0
15	Pi/2 BPSK	1	1	21.56	21.52	21.27		
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				820	831.5	844	22.9	0.0
10	Pi/2 BPSK	1	1	21.56	21.38	21.43		
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5	22.9	0.0
5	Pi/2 BPSK	1	1	21.56	21.47	21.46		

n25_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000	17.1	0.0
Frequency (MHz)				1870	1882.5	1895		
40	Pi/2 BPSK	1	1	16.28	16.09	16.01	17.1	0.0
40	Pi/2 BPSK	1	108	16.11	16.02	15.82		
40	Pi/2 BPSK	1	214	16.02	15.96	15.72	17.1	0.0
40	Pi/2 BPSK	108	0	16.03	15.95	15.81		
40	Pi/2 BPSK	108	54	15.72	15.70	15.71	17.1	0.0
40	Pi/2 BPSK	108	108	15.75	15.85	15.74		
40	Pi/2 BPSK	216	0	15.90	15.84	15.87	17.1	0.0
40	QPSK	1	1	15.92	15.93	16.11		
40	QPSK	1	108	15.80	15.86	15.97	17.1	0.0
40	QPSK	1	214	16.05	15.87	15.72		
40	QPSK	108	0	15.82	15.81	15.94	17.1	0.0
40	QPSK	108	54	15.82	15.75	15.84		
40	QPSK	108	108	15.59	15.79	15.79	17.1	0.0
40	QPSK	216	0	15.71	15.89	15.97		
40	16QAM	1	1	15.82	15.77	15.96	17.1	0.0
40	64QAM	1	1	15.90	15.92	15.74		
40	256QAM	1	1	15.21	15.14	15.33	17.1	0.0
Channel				373000	376500	380000		
Frequency (MHz)				1865 <th>1882.5<th>1900</th><th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th>	1882.5 <th>1900</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>	1900	Tune-up limit (dBm)	MPR (dB)
30	Pi/2 BPSK	1	1	16.23	15.91	16.01	17.1	0.0
Channel				372500	376500	380500		
Frequency (MHz)				1862.5 <th>1882.5<th>1902.5</th><th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th>	1882.5 <th>1902.5</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>	1902.5	Tune-up limit (dBm)	MPR (dB)
25	Pi/2 BPSK	1	1	16.21	15.90	16.02	17.1	0.0
Channel				372000	376500	381000		
Frequency (MHz)				1860 <th>1882.5<th>1905<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th>	1882.5 <th>1905<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th>	1905 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)
20	Pi/2 BPSK	1	1	15.96	16.12	15.73	17.1	0.0
Channel				371500	376500	381500		
Frequency (MHz)				1857.5 <th>1882.5<th>1907.5<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th>	1882.5 <th>1907.5<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th>	1907.5 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)
15	Pi/2 BPSK	1	1	16.00	16.02	15.76	17.1	0.0
Channel				371000	376500	382000		
Frequency (MHz)				1855 <th>1882.5<th>1910<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th>	1882.5 <th>1910<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th>	1910 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)
10	Pi/2 BPSK	1	1	16.05	15.99	15.68	17.1	0.0
Channel				370500	376500	382500		
Frequency (MHz)				1852.5 <th>1882.5</th> <th>1912.5<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th>	1882.5	1912.5 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)
5	Pi/2 BPSK	1	1	16.22	15.94	15.90	17.1	0.0



n26_Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				163300	163300	163300	22.9	0.0	
Frequency (MHz)				824	831.5	839			
20	Pi/2 BPSK	1	1	21.35	21.22	21.32	22.9	0.0	
20	Pi/2 BPSK	1	53	21.72	21.21	21.19			
20	Pi/2 BPSK	1	104	21.53	21.13	21.29			
20	Pi/2 BPSK	50	0	21.52	21.32	21.20	22.9	0.0	
20	Pi/2 BPSK	50	28	21.46	21.26	21.23	22.9	0.0	
20	Pi/2 BPSK	50	56	21.50	21.31	21.30	22.9	0.0	
20	Pi/2 BPSK	100	0	21.50	21.29	21.27			
20	QPSK	1	1	20.94	21.12	20.96			
20	QPSK	1	53	20.94	21.02	21.09	22.9	0.0	
20	QPSK	1	104	21.04	21.04	20.97	22.9	0.0	
20	QPSK	50	0	21.11	21.19	21.26			
20	QPSK	50	28	21.05	21.18	21.19			
20	QPSK	50	56	21.30	21.20	21.21	22.9	0.0	
20	QPSK	100	0	21.20	21.21	21.41			
20	16QAM	1	1	21.11	21.01	20.92			
20	64QAM	1	1	20.45	20.45	20.49	21.5	1.4	
20	256QAM	1	1	18.81	18.76	18.79	19.5	3.4	
Channel				164300	166300	166300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				821.5	831.5	841.5			
15	Pi/2 BPSK	1	1	21.37	21.24	21.45	22.9	0.0	
Channel				163800	166300	166800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	Pi/2 BPSK	1	1	21.47	21.34	21.48	22.9	0.0	
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	Pi/2 BPSK	1	1	21.39	21.32	21.52	22.9	0.0	

n30_Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				2310			18.7	0.0	
Frequency (MHz)									
10	PS2 BPSK	1	1		17.94				
10	PS2 BPSK	1	26		17.95				
10	PS2 BPSK	1	50		17.96				
10	PS2 BPSK	25	0		17.90			18.7	0.0
10	PS2 BPSK	25	13		17.90			18.7	0.0
10	PS2 BPSK	25	26		17.84			18.7	0.0
10	PS2 BPSK	50	0		17.84			18.7	0.0
10	QPSK	1	1		17.72				
10	QPSK	1	26		17.92			18.7	0.0
10	QPSK	1	50		17.86				
10	QPSK	25	0		17.82			18.7	0.0
10	QPSK	25	13		17.80			18.7	0.0
10	QPSK	25	26		17.92			18.7	0.0
10	QPSK	50	0		17.82			18.7	0.0
10	16QAM	1	1		17.83			18.7	0.0
10	64QAM	1	1		17.46			18.7	0.0
10	256QAM	1	1		17.91			18.7	0.0
Channel				461500	462000	462500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2307.5	2310	2312.5			
5	PS2 BPSK	1	1	17.88	17.74	17.94	18.7	0.0	

n66_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				343000	348000	353000			
Frequency (MHz)				1730	1745	1760			
40	Pi/2 BPSK	1	1	15.49	15.84	15.75	16.5	0.0	
40	Pi/2 BPSK	1	106	15.57	15.73	15.83			
40	Pi/2 BPSK	1	214	15.70	15.81	15.85			
40	Pi/2 BPSK	108	0	15.30	15.43	15.60	16.5	0.0	
40	Pi/2 BPSK	108	54	15.32	15.58	15.71	16.5	0.0	
40	Pi/2 BPSK	108	108	15.64	15.87	15.82	16.5	0.0	
40	Pi/2 BPSK	216	0	15.43	15.82	15.73			
40	QPSK	1	1	15.65	15.73	15.76			
40	QPSK	1	108	15.64	15.69	15.75	16.5	0.0	
40	QPSK	1	214	15.82	15.72	15.56	16.5	0.0	
40	QPSK	108	0	15.72	15.77	15.64			
40	QPSK	108	54	15.53	15.87	15.83			
40	QPSK	108	108	15.73	15.68	15.49	16.5	0.0	
40	QPSK	216	0	15.70	15.73	15.75			
40	16QAM	1	1	15.58	15.47	15.64	16.5	0.0	
40	64QAM	1	1	15.54	15.60	15.46	16.5	0.0	
40	256QAM	1	1	15.74	15.64	15.80	16.5	0.0	
Channel				343000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	Pi/2 BPSK	1	1	15.38	15.73	15.82	16.5	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	Pi/2 BPSK	1	1	15.57	15.83	15.81	16.5	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	Pi/2 BPSK	1	1	15.46	15.71	15.84	16.5	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	Pi/2 BPSK	1	1	15.57	15.67	15.71	16.5	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	Pi/2 BPSK	1	1	15.44	15.81	15.71	16.5	0.0	



n41_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502202	518598	526000	16.4	0.0
Frequency (MHz)				2544.01	2592.99	2640		
100	Pi/2 BPSK	1	1	15.30	15.42	15.35	16.4	0.0
100	Pi/2 BPSK	1	137	15.58	15.45	15.53		
100	Pi/2 BPSK	1	271	15.63	15.61	15.59		
100	Pi/2 BPSK	135	0	15.28	15.38	15.35		
100	Pi/2 BPSK	135	69	15.47	15.37	15.38	16.4	0.0
100	Pi/2 BPSK	135	138	15.61	15.43	15.40		
100	Pi/2 BPSK	270	0	15.48	15.34	15.37	16.4	0.0
100	QPSK	1	1	15.41	15.32	15.23	16.4	0.0
100	QPSK	1	137	15.34	15.43	15.23		
100	QPSK	1	271	15.38	15.33	15.27		
100	QPSK	135	0	15.45	15.38	15.34	16.4	0.0
100	QPSK	135	69	15.48	15.36	15.32		
100	QPSK	135	138	15.28	15.43	15.30	16.4	0.0
100	QPSK	270	0	15.29	15.34	15.31		
100	16QAM	1	1	15.04	15.16	15.27	16.4	0.0
100	64QAM	1	1	15.00	15.19	15.21	16.4	0.0
100	256QAM	1	1	15.39	15.37	15.55	16.4	0.0
Channel				502202	518598	526098	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	Pi/2 BPSK	1	1	15.13	15.26	15.07	16.4	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	Pi/2 BPSK	1	1	15.07	15.12	15.40	16.4	0.0
Channel				502202	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	Pi/2 BPSK	1	1	15.22	15.40	15.27	16.4	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	Pi/2 BPSK	1	1	15.13	15.53	15.39	16.4	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	Pi/2 BPSK	1	1	15.46	15.38	15.16	16.4	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	Pi/2 BPSK	1	1	15.16	15.50	15.32	16.4	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.98		
20	Pi/2 BPSK	1	1	15.28	15.31	15.48	16.4	0.0

n41_HPUE_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502202	518598	526000	16.4	0.0
Frequency (MHz)				2544.01	2592.99	2640		
100	Pi/2 BPSK	1	1	15.30	15.42	15.35	16.4	0.0
100	Pi/2 BPSK	1	137	15.58	15.45	15.53		
100	Pi/2 BPSK	1	271	15.63	15.61	15.59		
100	Pi/2 BPSK	135	0	15.28	15.38	15.35		
100	Pi/2 BPSK	135	69	15.47	15.37	15.38	16.4	0.0
100	Pi/2 BPSK	135	138	15.61	15.43	15.40		
100	Pi/2 BPSK	270	0	15.48	15.34	15.37	16.4	0.0
100	QPSK	1	1	15.41	15.32	15.23	16.4	0.0
100	QPSK	1	137	15.34	15.43	15.23		
100	QPSK	1	271	15.38	15.33	15.27		
100	QPSK	135	0	15.45	15.38	15.34	16.4	0.0
100	QPSK	135	69	15.48	15.36	15.32		
100	QPSK	135	138	15.29	15.43	15.30	16.4	0.0
100	QPSK	270	0	15.29	15.34	15.31		
100	16QAM	1	1	15.04	15.16	15.27	16.4	0.0
100	64QAM	1	1	15.00	15.19	15.21	16.4	0.0
100	256QAM	1	1	15.39	15.37	15.55	16.4	0.0
Channel				502202	518598	526098	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	Pi/2 BPSK	1	1	15.13	15.26	15.07	16.4	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	Pi/2 BPSK	1	1	15.07	15.12	15.40	16.4	0.0
Channel				502202	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	Pi/2 BPSK	1	1	15.22	15.40	15.27	16.4	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	Pi/2 BPSK	1	1	15.13	15.53	15.39	16.4	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	Pi/2 BPSK	1	1	15.46	15.38	15.16	16.4	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	Pi/2 BPSK	1	1	15.16	15.50	15.32	16.4	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.98		
20	Pi/2 BPSK	1	1	15.28	15.31	15.48	16.4	0.0



DIS6 for Handheld Standalone/Sim-Tx for LAT

n2_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				1860	1880	1900	20.5	0.0
Frequency (MHz)				1860	1880	1900		
20	Pi/2 BPSK	1	1	19.61	19.58	19.67	20.5	0.0
20	Pi/2 BPSK	1	53	19.59	19.51	19.77		
20	Pi/2 BPSK	1	104	19.57	19.58	19.76	20.5	0.0
20	Pi/2 BPSK	50	0	19.58	19.44	19.57		
20	Pi/2 BPSK	50	28	19.53	19.47	19.70	20.5	0.0
20	Pi/2 BPSK	50	56	19.51	19.45	19.67		
20	Pi/2 BPSK	100	0	19.58	19.49	19.73	20.5	0.0
20	QPSK	1	1	19.06	19.23	19.13		
20	QPSK	1	53	19.11	19.25	19.20	20.5	0.0
20	QPSK	1	104	19.29	19.32	19.42		
20	QPSK	50	0	19.17	19.28	19.30	20.5	0.0
20	QPSK	50	28	19.04	19.24	19.22		
20	QPSK	50	56	19.37	19.23	19.37	20.5	0.0
20	QPSK	100	0	19.35	19.20	19.38		
20	16QAM	1	1	19.21	19.22	19.21	20.5	0.0
20	64QAM	1	1	19.48	19.28	19.15		
20	256QAM	1	1	19.50	19.78	19.81	19.5	1.0
Channel				372000	372000	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	Pi/2 BPSK	1	1	19.70	19.64	19.56	20.5	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1825	1890	1900		
10	Pi/2 BPSK	1	1	19.47	19.68	19.48	20.5	0.0
Channel				370000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	Pi/2 BPSK	1	1	19.63	19.47	19.62	20.5	0.0

n25_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000	20.5	0.0
Frequency (MHz)				1870	1882.5	1895		
40	Pi/2 BPSK	1	1	19.83	19.71	19.73	20.5	0.0
40	Pi/2 BPSK	1	108	19.78	19.67	19.63		
40	Pi/2 BPSK	1	214	19.66	19.59	19.61	20.5	0.0
40	Pi/2 BPSK	108	0	19.75	19.55	19.54		
40	Pi/2 BPSK	108	54	19.54	19.64	19.53	20.5	0.0
40	Pi/2 BPSK	108	108	19.55	19.45	19.40		
40	Pi/2 BPSK	216	0	19.77	19.72	19.68	20.5	0.0
40	QPSK	1	1	19.64	19.75	19.74		
40	QPSK	1	108	19.55	19.69	19.75	20.5	0.0
40	QPSK	1	214	19.53	19.63	19.76		
40	QPSK	108	0	19.74	19.71	19.78	20.5	0.0
40	QPSK	108	54	19.72	19.85	19.75		
40	QPSK	108	108	19.64	19.52	19.47	20.5	0.0
40	QPSK	216	0	19.66	19.75	19.75		
40	16QAM	1	1	19.69	19.71	19.54	20.5	0.0
40	64QAM	1	1	19.47	19.66	19.81		
40	256QAM	1	1	19.25	19.20	19.94	19.5	1.0
Channel				372000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	Pi/2 BPSK	1	1	19.66	19.57	19.46	20.5	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1823.5	1823.5	1823.5		
25	Pi/2 BPSK	1	1	19.64	19.72	19.79	20.5	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	Pi/2 BPSK	1	1	19.62	19.66	19.81	20.5	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	Pi/2 BPSK	1	1	19.71	19.48	19.43	20.5	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1823.5	1910		
10	Pi/2 BPSK	1	1	19.68	19.76	19.74	20.5	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	Pi/2 BPSK	1	1	19.68	19.57	19.82	20.5	0.0

n30_Ant1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				462000	462000		23.3	0.0
Frequency (MHz)				2310	2310			
10	Pi/2 BPSK	1	1		22.24		23.3	0.0
10	Pi/2 BPSK	1	26		22.35			
10	Pi/2 BPSK	1	50		22.38		23.3	0.0
10	Pi/2 BPSK	25	0		22.20			
10	Pi/2 BPSK	25	13		22.32		23.3	0.0
10	Pi/2 BPSK	25	26		22.27			
10	Pi/2 BPSK	50	0		22.28		23.3	0.0
10	QPSK	1	1		22.31			
10	QPSK	1	26		22.30		23.3	0.0
10	QPSK	1	50		22.35			
10	QPSK	25	0		22.21		23.3	0.0
10	QPSK	25	13		22.34			
10	QPSK	25	26		22.33		23.3	0.0
10	QPSK	50	0		22.29			
10	16QAM	1	1		22.10		23.3	0.0
10	64QAM	1	1		21.22			
10	256QAM	1	1		18.50		19.5	1.8
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	Pi/2 BPSK	1	1	22.21	22.15	22.07	23.3	0.0

n66_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000	19.8	0.0
Frequency (MHz)				1730	1745	1760		
40	PV2 BPSK	1	1	18.46	18.54	18.65	19.8	0.0
40	PV2 BPSK	1	108	18.47	18.67	18.82		
40	PV2 BPSK	1	214	18.53	19.01	19.13		
40	PV2 BPSK	108	0	18.43	18.63	18.76	19.8	0.0
40	PV2 BPSK	108	54	18.50	18.70	18.82	19.8	0.0
40	PV2 BPSK	108	108	18.73	18.69	18.93	19.8	0.0
40	PV2 BPSK	216	0	18.53	18.70	18.76	19.8	0.0
40	QPSK	1	1	18.56	18.71	18.69		
40	QPSK	1	108	18.87	18.90	18.84		
40	QPSK	1	214	19.05	19.03	18.93	19.8	0.0
40	QPSK	108	0	18.58	18.74	18.74	19.8	0.0
40	QPSK	108	54	18.87	18.85	18.95	19.8	0.0
40	QPSK	108	108	18.87	19.03	18.95	19.8	0.0
40	QPSK	216	0	18.84	18.89	18.82	19.8	0.0
40	16QAM	1	1	18.83	18.72	18.57		
40	64QAM	1	1	18.45	18.61	18.82		
40	256QAM	1	1	17.77	17.65	17.69	18.0	1.3
Channel				342000	345000	348000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	PV2 BPSK	1	1	18.62	18.36	18.47	19.8	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PV2 BPSK	1	1	18.29	18.71	18.84	19.8	0.0
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	PV2 BPSK	1	1	18.55	18.60	18.50	19.8	0.0
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	PV2 BPSK	1	1	18.54	18.48	18.45	19.8	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	PV2 BPSK	1	1	18.36	18.48	18.67	19.8	0.0



n41_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502202	518598	526000			
Frequency (MHz)				2544.01	2592.99	2640			
100	PI/2 BPSK	1	1	21.50	21.38	21.30	22.5	0.0	
100	PI/2 BPSK	1	137	21.51	21.58	21.48			
100	PI/2 BPSK	1	271	21.72	21.61	21.65			
100	PI/2 BPSK	135	0	21.33	21.36	21.40	22.5	0.0	
100	PI/2 BPSK	135	69	21.37	21.44	21.45			
100	PI/2 BPSK	135	138	21.68	21.49	21.39			
100	PI/2 BPSK	270	0	21.70	21.42	21.35	22.5	0.0	
100	QPSK	1	1	21.14	21.24	21.23	22.5	0.0	
100	QPSK	1	137	21.48	21.50	21.53			
100	QPSK	1	271	21.46	21.60	21.64			
100	QPSK	135	0	21.37	21.36	21.32	22.5	0.0	
100	QPSK	135	69	21.24	21.37	21.36			
100	QPSK	135	138	20.75	20.57	20.51			
100	QPSK	270	0	19.74	19.80	19.67	22.5	0.0	
100	16QAM	1	1	19.26	19.32	19.21	22.5	0.0	
100	64QAM	1	1	18.90	18.81	18.62	20.5	2.0	
100	256QAM	1	1	17.52	17.41	17.47	18.5	4.0	
Channel				502202	518598	526098	Tune-up limit	MPR	(dB)
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)	
90	PI/2 BPSK	1	1	21.61	21.47	21.15	22.5	0.0	
Channel				507204	518598	529998	Tune-up limit	MPR	(dB)
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)	
80	PI/2 BPSK	1	1	21.58	21.39	21.14	22.5	0.0	
Channel				502200	518598	531098	Tune-up limit	MPR	(dB)
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)	
60	PI/2 BPSK	1	1	21.52	21.29	21.35	22.5	0.0	
Channel				504204	518598	532998	Tune-up limit	MPR	(dB)
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)	
50	PI/2 BPSK	1	1	21.48	21.51	21.30	22.5	0.0	
Channel				502202	518598	534000	Tune-up limit	MPR	(dB)
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)	
40	PI/2 BPSK	1	1	21.52	21.29	21.29	22.5	0.0	
Channel				502200	518598	534996	Tune-up limit	MPR	(dB)
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)	
30	PI/2 BPSK	1	1	21.30	21.22	21.31	22.5	0.0	
Channel				501204	518598	535998	Tune-up limit	MPR	(dB)
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)	
20	PI/2 BPSK	1	1	21.48	21.40	21.31	22.5	0.0	

n41_HPUE_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502202	518598	526000			
Frequency (MHz)				2544.01	2592.99	2640			
100	PI/2 BPSK	1	1	21.50	21.38	21.30	22.5	0.0	
100	PI/2 BPSK	1	137	21.51	21.58	21.48			
100	PI/2 BPSK	1	271	21.72	21.61	21.65			
100	PI/2 BPSK	135	0	21.33	21.36	21.40	22.5	0.0	
100	PI/2 BPSK	135	69	21.37	21.44	21.45			
100	PI/2 BPSK	135	138	21.68	21.49	21.39			
100	PI/2 BPSK	270	0	21.70	21.42	21.35	22.5	0.0	
100	QPSK	1	1	21.14	21.24	21.23	22.5	0.0	
100	QPSK	1	137	21.48	21.50	21.53			
100	QPSK	1	271	21.46	21.60	21.64			
100	QPSK	135	0	21.37	21.34	21.32	22.5	0.0	
100	QPSK	135	69	21.24	21.37	21.36			
100	QPSK	135	138	20.75	20.57	20.51			
100	QPSK	270	0	19.74	19.80	19.67	22.5	0.0	
100	16QAM	1	1	19.26	19.32	19.21	22.5	0.0	
100	64QAM	1	1	18.90	18.81	18.62	20.5	2.0	
100	256QAM	1	1	17.52	17.41	17.47	18.5	4.0	
Channel				502202	518598	526098	Tune-up limit	MPR	(dB)
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)	
90	PI/2 BPSK	1	1	21.61	21.47	21.15	22.5	0.0	
Channel				507204	518598	529998	Tune-up limit	MPR	(dB)
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)	
80	PI/2 BPSK	1	1	21.58	21.39	21.14	22.5	0.0	
Channel				502200	518598	531098	Tune-up limit	MPR	(dB)
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)	
60	PI/2 BPSK	1	1	21.52	21.29	21.35	22.5	0.0	
Channel				504204	518598	532998	Tune-up limit	MPR	(dB)
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)	
50	PI/2 BPSK	1	1	21.48	21.51	21.30	22.5	0.0	
Channel				502202	518598	534000	Tune-up limit	MPR	(dB)
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)	
40	PI/2 BPSK	1	1	21.52	21.29	21.29	22.5	0.0	
Channel				502200	518598	534996	Tune-up limit	MPR	(dB)
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)	
30	PI/2 BPSK	1	1	21.30	21.22	21.31	22.5	0.0	
Channel				501204	518598	535998	Tune-up limit	MPR	(dB)
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)	
20	PI/2 BPSK	1	1	21.48	21.40	21.31	22.5	0.0	



BT BR/EDR

Mode	Channel	Frequency (MHz)	Average power (dBm)									Tune-up Limit
			Packet Type									
			DH1	DH3	DH5	2DH1	2DH3	2DH5	3DH1	3DH3	3DH5	
Bluetooth	CH 0	2402	11.60	11.30	11.10	7.20	7.00	6.90	7.20	7.00	6.90	12
	CH 39	2441	11.60	11.20	11.00	7.10	6.80	6.60	7.10	6.80	6.70	
	CH 78	2480	11.10	10.80	10.60	6.60	6.40	6.30	6.60	6.40	6.30	

BT LE

Mode	Channel	Frequency (MHz)	Average power (dBm)
			GFSK
LE	CH 00	2402	6.00
	CH 19	2440	5.90
	CH 39	2480	5.80
	Tune-up Limit		7

BT LE 5.0

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	6.00	6.10
	CH 19	2440	5.90	6.00
	CH 39	2480	5.80	5.80
	Tune-up Limit		7	7

Full Power

2.4GHz WLAN						
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	20.00	22.00	99.31
		6	2437	20.10	22.00	
		11	2462	20.00	22.00	
	802.11g 6Mbps	1	2412	19.20	21.00	98.28
		6	2437	19.10	21.00	
		11	2462	19.00	21.00	
	802.11n-HT20 MCS0	1	2412	19.30	21.00	98.15
		6	2437	19.10	21.00	
		11	2462	19.20	21.00	

5.2GHz WLAN						
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	17.74	19.00	98.28
		40	5200	18.55	20.00	
		44	5220	18.54	20.00	
		48	5240	18.57	20.00	
	802.11n-HT20 MCS0	36	5180	17.05	18.50	98.16
		40	5200	18.74	20.00	
		44	5220	18.85	20.00	
		48	5240	18.95	20.00	
	802.11n-HT40 MCS0	38	5190	11.72	13.00	96.75
		46	5230	17.42	19.00	
		36	5180	17.01	18.50	
	802.11ac-VHT20 MCS0	40	5200	18.72	19.50	98.02
		44	5220	18.81	20.00	
		48	5240	18.92	20.00	
		38	5190	11.69	13.00	96.05
	802.11ac-VHT40 MCS0	46	5230	17.40	19.00	
		42	5210	11.54	13.00	92.99

5.3GHz WLAN						
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260	18.29	20.00	98.28
		56	5280	18.26	20.00	
		60	5300	18.25	20.00	
		64	5320	17.94	19.50	
	802.11n-HT20 MCS0	52	5260	18.09	20.00	98.16
		56	5280	18.75	20.00	
		60	5300	18.13	20.00	
		64	5320	17.29	19.00	
	802.11n-HT40 MCS0	54	5270	17.28	19.00	96.75
		62	5310	15.97	17.50	
	802.11ac-VHT20 MCS0	52	5260	17.95	19.50	98.02
		56	5280	18.62	20.00	
		60	5300	17.99	19.50	
		64	5320	17.15	19.00	
	802.11ac-VHT40 MCS0	54	5270	17.27	18.50	96.05
		62	5310	15.90	17.50	
	802.11ac-VHT80 MCS0	58	5290	13.96	15.50	92.99

5.5GHz WLAN						
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	100	5500	17.72	19.00	98.28
		116	5580	17.64	19.00	
		132	5660	17.38	18.50	
		140	5700	16.16	17.00	
	802.11n-HT20 MCS0	100	5500	17.70	19.00	98.16
		116	5580	17.71	19.00	
		132	5660	17.67	19.00	
		140	5700	15.73	17.00	
	802.11n-HT40 MCS0	102	5510	17.01	18.00	96.75
		110	5550	16.82	18.00	
		134	5670	16.00	17.00	
		100	5500	17.66	19.00	98.02
	802.11ac-VHT20 MCS0	116	5580	17.68	19.00	
		132	5660	17.62	19.00	
		140	5700	15.63	17.00	
		102	5510	16.03	17.00	96.05
	802.11ac-VHT40 MCS0	110	5550	16.16	17.00	
		134	5670	15.97	17.00	
	802.11ac-VHT80 MCS0	106	5530	12.71	13.50	92.99

5.8GHz WLAN						
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	149	5745	18.73	20.00	98.28
		157	5785	18.74	20.00	
		165	5825	18.82	20.00	
	802.11n-HT20 MCS0	149	5745	18.91	20.00	98.16
		157	5785	18.86	20.00	
		165	5825	18.99	20.00	
	802.11n-HT40 MCS0	151	5755	17.80	19.00	96.75
		159	5795	17.93	19.00	
	802.11ac-VHT20 MCS0	149	5745	18.90	20.00	98.02
		157	5785	18.85	20.00	
		165	5825	18.95	20.00	
	802.11ac-VHT40 MCS0	151	5755	17.06	18.00	96.05
		159	5795	16.83	18.00	
	802.11ac-VHT80 MCS0	155	5775	16.88	18.00	92.96

Head Standalone

2.4GHz WLAN						
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	19.10	20.50	99.31
		6	2437	19.10	20.50	
		11	2462	19.10	20.50	
	802.11g 6Mbps	1	2412	18.40	20.00	98.28
		6	2437	18.30	20.00	
		11	2462	18.40	20.00	
	802.11n-HT20 MCS0	1	2412	18.40	20.00	98.15
		6	2437	18.40	20.00	
		11	2462	18.50	20.00	

5.2GHz WLAN						
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	17.74	19.00	98.28
		40	5200	18.55	20.00	
		44	5220	18.54	20.00	
		48	5240	18.57	20.00	
	802.11n-HT20 MCS0	36	5180	17.05	18.50	98.16
		40	5200	18.74	20.00	
		44	5220	18.85	20.00	
		48	5240	18.95	20.00	
	802.11n-HT40 MCS0	38	5190	11.72	13.00	96.75
		46	5230	17.42	19.00	
		36	5180	17.01	18.50	
	802.11ac-VHT20 MCS0	40	5200	18.72	19.50	98.02
		44	5220	18.81	20.00	
		48	5240	18.92	20.00	
		38	5190	11.69	13.00	96.05
	802.11ac-VHT40 MCS0	46	5230	17.40	19.00	
		42	5210	11.54	13.00	

5.3GHz WLAN						
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260	18.29	20.00	98.28
		56	5280	18.26	20.00	
		60	5300	18.25	20.00	
		64	5320	17.94	19.50	
	802.11n-HT20 MCS0	52	5260	18.09	20.00	98.16
		56	5280	18.75	20.00	
		60	5300	18.13	20.00	
		64	5320	17.29	19.00	
	802.11n-HT40 MCS0	54	5270	17.28	19.00	96.75
		62	5310	15.97	17.50	
	802.11ac-VHT20 MCS0	52	5260	17.95	19.50	98.02
		56	5280	18.62	20.00	
		60	5300	17.99	19.50	
		64	5320	17.15	19.00	
	802.11ac-VHT40 MCS0	54	5270	17.27	18.50	96.05
		62	5310	15.90	17.50	
	802.11ac-VHT80 MCS0	58	5290	13.96	15.50	92.99

5.5GHz WLAN						
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	100	5500	17.72	19.00	98.28
		116	5580	17.64	19.00	
		132	5660	17.38	18.50	
		140	5700	16.16	17.00	
	802.11n-HT20 MCS0	100	5500	17.70	19.00	98.16
		116	5580	17.71	19.00	
		132	5660	17.67	19.00	
		140	5700	15.73	17.00	
	802.11n-HT40 MCS0	102	5510	17.01	18.00	96.75
		110	5550	16.82	18.00	
		134	5670	16.00	17.00	
		100	5500	17.66	19.00	98.02
	802.11ac-VHT20 MCS0	116	5580	17.68	19.00	
		132	5660	17.62	19.00	
		140	5700	15.63	17.00	
	802.11ac-VHT40 MCS0	102	5510	16.03	17.00	96.05
		110	5550	16.16	17.00	
		134	5670	15.97	17.00	
	802.11ac-VHT80 MCS0	106	5530	12.71	13.50	92.99

5.8GHz WLAN						
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	149	5745	18.73	20.00	98.28
		157	5785	18.74	20.00	
		165	5825	18.82	20.00	
	802.11n-HT20 MCS0	149	5745	18.91	20.00	98.16
		157	5785	18.86	20.00	
		165	5825	18.99	20.00	
	802.11n-HT40 MCS0	151	5755	17.80	19.00	96.75
		159	5795	17.93	19.00	
	802.11ac-VHT20 MCS0	149	5745	18.90	20.00	98.02
		157	5785	18.85	20.00	
		165	5825	18.95	20.00	
	802.11ac-VHT40 MCS0	151	5755	17.06	18.00	96.05
		159	5795	16.83	18.00	
	802.11ac-VHT80 MCS0	155	5775	16.88	18.00	92.96

Head Sim-Tx

2.4GHz WLAN						
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	14.60	16.00	99.31
		6	2437	14.60	16.00	
		11	2462	14.60	16.00	
	802.11g 6Mbps	1	2412	14.30	15.50	98.28
		6	2437	14.20	15.50	
		11	2462	14.30	15.50	
	802.11n-HT20 MCS0	1	2412	14.30	15.50	98.15
		6	2437	14.30	15.50	
		11	2462	14.40	15.50	

5.2GHz WLAN						
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	17.74	19.00	98.28
		40	5200	18.55	20.00	
		44	5220	18.54	20.00	
		48	5240	18.57	20.00	
	802.11n-HT20 MCS0	36	5180	17.05	18.50	98.16
		40	5200	18.74	20.00	
		44	5220	18.85	20.00	
		48	5240	18.95	20.00	
	802.11n-HT40 MCS0	38	5190	11.72	13.00	96.75
		46	5230	17.42	19.00	
		36	5180	17.01	18.50	
	802.11ac-VHT20 MCS0	40	5200	18.72	19.50	98.02
		44	5220	18.81	20.00	
		48	5240	18.92	20.00	
		38	5190	11.69	13.00	96.05
	802.11ac-VHT40 MCS0	46	5230	17.40	19.00	
		42	5210	11.54	13.00	

5.3GHz WLAN						
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260	18.29	20.00	98.28
		56	5280	18.26	20.00	
		60	5300	18.25	20.00	
		64	5320	17.94	19.50	
	802.11n-HT20 MCS0	52	5260	18.09	20.00	98.16
		56	5280	18.75	20.00	
		60	5300	18.13	20.00	
		64	5320	17.29	19.00	
	802.11n-HT40 MCS0	54	5270	17.28	19.00	96.75
		62	5310	15.97	17.50	
	802.11ac-VHT20 MCS0	52	5260	17.95	19.50	98.02
		56	5280	18.62	20.00	
		60	5300	17.99	19.50	
		64	5320	17.15	19.00	
	802.11ac-VHT40 MCS0	54	5270	17.27	18.50	96.05
		62	5310	15.90	17.50	
	802.11ac-VHT80 MCS0	58	5290	13.96	15.50	92.99

5.5GHz WLAN						
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	100	5500	17.72	19.00	98.28
		116	5580	17.64	19.00	
		132	5660	17.38	18.50	
		140	5700	16.16	17.00	
	802.11n-HT20 MCS0	100	5500	17.70	19.00	98.16
		116	5580	17.71	19.00	
		132	5660	17.67	19.00	
		140	5700	15.73	17.00	
	802.11n-HT40 MCS0	102	5510	17.01	18.00	96.75
		110	5550	16.82	18.00	
		134	5670	16.00	17.00	
		100	5500	17.66	19.00	98.02
	802.11ac-VHT20 MCS0	116	5580	17.68	19.00	
		132	5660	17.62	19.00	
		140	5700	15.63	17.00	
		102	5510	16.03	17.00	96.05
	802.11ac-VHT40 MCS0	110	5550	16.16	17.00	
		134	5670	15.97	17.00	
	802.11ac-VHT80 MCS0	106	5530	12.71	13.50	92.99

5.8GHz WLAN						
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	149	5745	18.73	20.00	98.28
		157	5785	18.74	20.00	
		165	5825	18.82	20.00	
	802.11n-HT20 MCS0	149	5745	18.91	20.00	98.16
		157	5785	18.86	20.00	
		165	5825	18.99	20.00	
	802.11n-HT40 MCS0	151	5755	17.80	19.00	96.75
		159	5795	17.93	19.00	
	802.11ac-VHT20 MCS0	149	5745	18.90	20.00	98.02
		157	5785	18.85	20.00	
		165	5825	18.95	20.00	
	802.11ac-VHT40 MCS0	151	5755	17.06	18.00	96.05
		159	5795	16.83	18.00	
	802.11ac-VHT80 MCS0	155	5775	16.88	18.00	92.96

Body-worn and Hotspot Standalone						
2.4GHz WLAN						
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	19.40	21.00	99.31
		6	2437	19.40	21.00	
		11	2462	19.40	21.00	
	802.11g 6Mbps	1	2412	18.40	20.00	98.28
		6	2437	18.30	20.00	
		11	2462	18.40	20.00	
	802.11n-HT20 MCS0	1	2412	18.40	20.00	98.15
		6	2437	18.40	20.00	
		11	2462	18.50	20.00	

5.2GHz WLAN						
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	8.70	10.00	98.28
		40	5200	9.51	11.00	
		44	5220	9.50	11.00	
		48	5240	9.53	11.00	
	802.11n-HT20 MCS0	36	5180	9.25	11.00	98.16
		40	5200	9.57	11.00	
		44	5220	9.68	11.00	
		48	5240	9.78	11.00	
	802.11n-HT40 MCS0	38	5190	9.05	10.50	96.75
		46	5230	9.02	10.50	
		36	5180	9.32	11.00	
		40	5200	9.53	11.00	
	802.11ac-VHT20 MCS0	44	5220	9.64	11.00	98.02
		48	5240	9.75	11.00	
		38	5190	8.98	10.50	
		46	5230	9.95	10.50	
	802.11ac-VHT40 MCS0	42	5210	9.04	10.50	92.99
		42	5210	9.04	10.50	

5.3GHz WLAN						
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260	8.56	10.00	98.28
		56	5280	8.53	10.00	
		60	5300	8.52	10.00	
		64	5320	8.21	9.50	
	802.11n-HT20 MCS0	52	5260	8.44	10.00	98.16
		56	5280	9.10	10.00	
		60	5300	8.48	10.00	
		64	5320	8.28	10.00	
	802.11n-HT40 MCS0	54	5270	8.17	9.50	96.75
		62	5310	8.11	9.50	
	802.11ac-VHT20 MCS0	52	5260	8.88	10.00	98.02
		56	5280	8.53	10.00	
		60	5300	8.47	10.00	
		64	5320	8.60	10.00	
	802.11ac-VHT40 MCS0	54	5270	8.12	9.50	96.05
		62	5310	8.05	9.50	
	802.11ac-VHT80 MCS0	58	5290	8.24	9.50	92.99

5.5GHz WLAN						
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	100	5500	9.52	11.00	98.28
		116	5580	9.56	11.00	
		132	5660	9.30	10.50	
		140	5700	8.08	9.00	
	802.11n-HT20 MCS0	100	5500	9.61	11.00	98.16
		116	5580	9.60	11.00	
		132	5660	9.56	11.00	
		140	5700	9.21	10.50	
	802.11n-HT40 MCS0	102	5510	9.08	10.50	96.75
		110	5550	8.85	10.50	
		134	5670	9.02	10.50	
		100	5500	9.55	11.00	
	802.11ac-VHT20 MCS0	116	5580	9.57	11.00	98.02
		132	5660	9.51	11.00	
		140	5700	9.56	11.00	
		102	5510	8.98	10.50	
	802.11ac-VHT40 MCS0	110	5550	8.75	10.50	96.05
		134	5670	8.92	10.50	
		106	5530	8.78	10.50	
	802.11ac-VHT80 MCS0	106	5530	8.78	10.50	92.99

5.8GHz WLAN						
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	149	5745	10.54	12.00	98.28
		157	5785	10.55	12.00	
		165	5825	10.63	12.00	
	802.11n-HT20 MCS0	149	5745	10.60	12.00	98.16
		157	5785	10.55	12.00	
		165	5825	10.68	12.00	
	802.11n-HT40 MCS0	151	5755	9.85	11.50	96.75
		159	5795	9.86	11.50	
	802.11ac-VHT20 MCS0	149	5745	10.59	12.00	98.02
		157	5785	10.54	12.00	
		165	5825	10.64	12.00	
	802.11ac-VHT40 MCS0	151	5755	9.76	11.50	96.05
		159	5795	9.78	11.50	
	802.11ac-VHT80 MCS0	155	5775	9.68	11.50	92.96

Body-worn and Hotspot Sim-Tx

2.4GHz WLAN						
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	17.40	19.00	99.31
		6	2437	17.40	19.00	
		11	2462	17.40	19.00	
	802.11g 6Mbps	1	2412	16.40	18.00	98.28
		6	2437	16.30	18.00	
		11	2462	16.40	18.00	
	802.11n-HT20 MCS0	1	2412	16.40	18.00	98.15
		6	2437	16.40	18.00	
		11	2462	16.50	18.00	

5.2GHz WLAN						
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	5.20	6.50	98.28
		40	5200	6.01	7.50	
		44	5220	6.00	7.50	
		48	5240	6.03	7.50	
	802.11n-HT20 MCS0	36	5180	6.05	7.50	98.16
		40	5200	6.07	7.50	
		44	5220	6.18	7.50	
		48	5240	6.28	7.50	
	802.11n-HT40 MCS0	38	5190	5.72	7.00	96.75
		46	5230	5.42	7.00	
		36	5180	5.82	7.50	
	802.11ac-VHT20 MCS0	40	5200	6.03	7.50	98.02
		44	5220	6.14	7.50	
		48	5240	6.25	7.50	
		38	5190	5.68	7.00	96.05
	802.11ac-VHT40 MCS0	46	5230	5.39	7.00	
		42	5210	5.54	7.00	

5.3GHz WLAN						
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260	6.06	7.50	98.28
		56	5280	6.03	7.50	
		60	5300	6.02	7.50	
		64	5320	5.71	7.00	
	802.11n-HT20 MCS0	52	5260	5.94	7.50	98.16
		56	5280	6.60	7.50	
		60	5300	5.98	7.50	
		64	5320	5.32	7.50	
	802.11n-HT40 MCS0	54	5270	5.28	7.00	96.75
		62	5310	5.25	7.00	
	802.11ac-VHT20 MCS0	52	5260	5.92	7.00	98.02
		56	5280	6.03	7.50	
		60	5300	5.97	7.00	
		64	5320	6.10	7.50	
	802.11ac-VHT40 MCS0	54	5270	5.22	7.00	96.05
		62	5310	5.19	7.00	
	802.11ac-VHT80 MCS0	58	5290	5.45	7.00	92.99

5.5GHz WLAN						
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	100	5500	6.62	8.00	98.28
		116	5580	6.56	8.00	
		132	5660	6.30	7.50	
		140	5700	5.08	8.00	
	802.11n-HT20 MCS0	100	5500	6.61	8.00	98.16
		116	5580	6.60	8.00	
		132	5660	6.56	8.00	
		140	5700	6.52	8.00	
	802.11n-HT40 MCS0	102	5510	6.03	7.50	96.75
		110	5550	6.25	7.50	
		134	5670	5.62	7.50	
		100	5500	6.55	8.00	98.02
	802.11ac-VHT20 MCS0	116	5580	6.57	8.00	
		132	5660	6.51	8.00	
		140	5700	6.56	8.00	
	802.11ac-VHT40 MCS0	102	5510	5.95	7.50	96.05
		110	5550	6.17	7.50	
		134	5670	5.54	7.50	
	802.11ac-VHT80 MCS0	106	5530	5.21	7.50	92.99

5.8GHz WLAN						
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	149	5745	8.54	10.00	98.28
		157	5785	8.55	10.00	
		165	5825	8.63	10.00	
	802.11n-HT20 MCS0	149	5745	8.60	10.00	98.16
		157	5785	8.55	10.00	
		165	5825	8.68	10.00	
	802.11n-HT40 MCS0	151	5755	8.06	9.50	96.75
		159	5795	7.92	9.50	
	802.11ac-VHT20 MCS0	149	5745	8.59	10.00	98.02
		157	5785	8.54	10.00	
		165	5825	8.64	10.00	
	802.11ac-VHT40 MCS0	151	5755	7.99	9.50	96.05
		159	5795	7.85	9.50	
	802.11ac-VHT80 MCS0	155	5775	7.62	9.50	92.96

Handheld Standalone

2.4GHz WLAN						
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	20.00	22.00	99.31
		6	2437	20.10	22.00	
		11	2462	20.00	22.00	
	802.11g 6Mbps	1	2412	19.20	21.00	98.28
		6	2437	19.10	21.00	
		11	2462	19.00	21.00	
	802.11n-HT20 MCS0	1	2412	19.30	21.00	98.15
		6	2437	19.10	21.00	
		11	2462	19.20	21.00	

5.2GHz WLAN						
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	14.82	16.50	98.28
		40	5200	15.63	17.50	
		44	5220	15.62	17.50	
		48	5240	15.65	17.50	
	802.11n-HT20 MCS0	36	5180	15.87	17.50	98.16
		40	5200	15.81	17.50	
		44	5220	15.92	17.50	
		48	5240	16.02	17.50	
	802.11n-HT40 MCS0	38	5190	11.72	13.00	96.75
		46	5230	15.63	17.00	
		36	5180	15.79	17.50	
		40	5200	15.79	17.50	
	802.11ac-VHT20 MCS0	44	5220	15.88	17.50	98.02
		48	5240	15.99	17.50	
		38	5190	11.69	13.00	
		46	5230	15.56	17.00	
	802.11ac-VHT40 MCS0	46	5230	15.56	17.00	96.05
		42	5210	11.54	13.00	
	802.11ac-VHT80 MCS0					92.99

5.3GHz WLAN						
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260	16.36	18.00	98.28
		56	5280	16.33	18.00	
		60	5300	16.32	18.00	
		64	5320	16.01	17.50	
	802.11n-HT20 MCS0	52	5260	16.13	18.00	98.16
		56	5280	16.79	18.00	
		60	5300	16.17	18.00	
		64	5320	16.48	18.00	
	802.11n-HT40 MCS0	54	5270	15.98	17.50	96.75
		62	5310	16.05	17.50	
		52	5260	15.99	17.50	
		56	5280	16.66	18.00	
	802.11ac-VHT20 MCS0	60	5300	16.03	17.50	98.02
		64	5320	15.19	17.00	
		54	5270	15.92	17.50	
		62	5310	15.99	17.50	
	802.11ac-VHT40 MCS0	62	5310	15.99	17.50	96.05
		58	5290	13.96	15.50	
	802.11ac-VHT80 MCS0					92.99

5.5GHz WLAN						
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	100	5500	15.99	17.00	98.28
		116	5580	15.58	17.00	
		132	5660	15.32	16.50	
		140	5700	14.10	15.00	
	802.11n-HT20 MCS0	100	5500	15.89	17.00	98.16
		116	5580	15.90	17.00	
		132	5660	15.86	17.00	
		140	5700	15.73	17.00	
	802.11n-HT40 MCS0	102	5510	15.25	16.50	96.75
		110	5550	14.89	16.50	
		134	5670	15.05	16.50	
		100	5500	15.95	17.00	
	802.11ac-VHT20 MCS0	116	5580	15.96	17.00	98.02
		132	5660	15.91	17.00	
		140	5700	15.19	16.50	
		102	5510	15.17	16.50	
	802.11ac-VHT40 MCS0	110	5550	14.81	16.50	96.05
		134	5670	14.97	16.50	
		106	5530	12.71	13.50	
						92.99

5.8GHz WLAN						
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	149	5745	18.18	19.50	98.28
		157	5785	18.19	19.50	
		165	5825	18.27	19.50	
	802.11n-HT20 MCS0	149	5745	18.36	19.50	98.16
		157	5785	18.31	19.50	
		165	5825	18.44	19.50	
	802.11n-HT40 MCS0	151	5755	17.80	19.00	96.75
		159	5795	17.93	19.00	
	802.11ac-VHT20 MCS0	149	5745	18.35	19.50	98.02
		157	5785	18.30	19.50	
		165	5825	18.40	19.50	
	802.11ac-VHT40 MCS0	151	5755	17.06	18.00	96.05
		159	5795	16.83	18.00	
	802.11ac-VHT80 MCS0	155	5775	16.88	18.00	92.96

Handheld Sim-Tx

2.4GHz WLAN						
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	20.00	22.00	99.31
		6	2437	20.10	22.00	
		11	2462	20.00	22.00	
	802.11g 6Mbps	1	2412	19.20	21.00	98.28
		6	2437	19.10	21.00	
		11	2462	19.00	21.00	
	802.11n-HT20 MCS0	1	2412	19.30	21.00	98.15
		6	2437	19.10	21.00	
		11	2462	19.20	21.00	

5.2GHz WLAN						
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	13.11	14.50	98.28
		40	5200	13.92	15.50	
		44	5220	13.91	15.50	
		48	5240	13.94	15.50	
	802.11n-HT20 MCS0	36	5180	12.35	14.00	98.16
		40	5200	14.04	15.50	
		44	5220	14.15	15.50	
		48	5240	14.25	15.50	
	802.11n-HT40 MCS0	38	5190	11.72	13.00	96.75
		46	5230	13.61	15.00	
		36	5180	12.31	14.00	
		40	5200	14.02	15.00	
	802.11ac-VHT20 MCS0	44	5220	14.11	15.50	98.02
		48	5240	14.22	15.50	
		38	5190	11.69	13.00	
		46	5230	13.53	15.00	
	802.11ac-VHT40 MCS0	46	5230	13.53	15.00	96.05
		42	5210	11.54	13.00	
	802.11ac-VHT80 MCS0					92.99

5.3GHz WLAN						
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260	14.36	15.50	98.28
		56	5280	14.33	15.50	
		60	5300	14.32	15.50	
		64	5320	14.01	15.00	
	802.11n-HT20 MCS0	52	5260	14.21	15.50	98.16
		56	5280	14.87	15.50	
		60	5300	14.25	15.50	
		64	5320	14.16	15.50	
	802.11n-HT40 MCS0	54	5270	14.26	15.50	96.75
		62	5310	13.75	15.50	
	802.11ac-VHT20 MCS0	52	5260	14.07	15.00	98.02
		56	5280	14.74	15.50	
		60	5300	14.11	15.00	
		64	5320	13.52	15.00	
	802.11ac-VHT40 MCS0	54	5270	13.72	15.00	96.05
		62	5310	13.21	15.00	
	802.11ac-VHT80 MCS0	58	5290	13.38	15.00	92.99

5.5GHz WLAN						
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	100	5500	14.30	15.50	98.28
		116	5580	14.21	15.50	
		132	5660	13.95	15.00	
		140	5700	12.73	13.50	
	802.11n-HT20 MCS0	100	5500	14.28	15.50	98.16
		116	5580	14.29	15.50	
		132	5660	14.27	15.50	
		140	5700	12.33	13.50	
	802.11n-HT40 MCS0	102	5510	13.14	15.00	96.75
		110	5550	13.45	15.00	
		134	5670	13.71	15.00	
		100	5500	14.26	15.50	
	802.11ac-VHT20 MCS0	116	5580	14.28	15.50	98.02
		132	5660	14.22	15.50	
		140	5700	12.23	13.50	
		102	5510	13.08	15.00	
	802.11ac-VHT40 MCS0	110	5550	13.39	15.00	96.05
		134	5670	13.65	15.00	
	802.11ac-VHT80 MCS0	106	5530	12.71	13.50	92.99

5.8GHz WLAN						
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	149	5745	15.98	17.50	98.28
		157	5785	15.99	17.50	
		165	5825	16.07	17.50	
	802.11n-HT20 MCS0	149	5745	16.16	17.50	98.16
		157	5785	16.11	17.50	
		165	5825	16.24	17.50	
	802.11n-HT40 MCS0	151	5755	15.48	17.00	96.75
		159	5795	14.88	17.00	
	802.11ac-VHT20 MCS0	149	5745	16.15	17.50	98.02
		157	5785	16.10	17.50	
		165	5825	16.20	17.50	
	802.11ac-VHT40 MCS0	151	5755	15.39	17.00	96.05
		159	5795	14.79	17.00	
	802.11ac-VHT80 MCS0	155	5775	15.63	17.00	92.96



Appendix F. Supplemental Tuner Head & Body SAR Results

The results are shown as follows.

RF exposure position										Average Value of Time Sweep (W/kg)																											
WWAN_Ant # Head	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	0	8	16	24	32	40	48	56	64	72	80	88	96	104	112	120	128	136									
	CDMA2000 BC0	RC3-S055	Full power	384	836.52	N/A	N/A	Right Cheek	0mm	0.157	0	0	0.09	0	0.102	0	0.087	0	0.074	0	0	0.088	0.083	0.089	0	0.083	0	0.059									
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	1	9	17	25	33	41	49	57	65	73	81	89	97	105	113	121	129	137									
	CDMA2000 BC10	RC3-S055	Full power	580	820.5	N/A	N/A	Right Cheek	0mm	0.105	0	0	0.057	0	0.085	0	0.102	0.05	0.061	0	0	0.057	0.062	0.07	0	0.062	0	0.062									
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	2	10	18	26	34	42	50	58	66	74	82	90	98	106	114	122	130	138									
	WCDMA V	RMC 12.2Kbps	Full power	4182	836.4	N/A	N/A	Right Cheek	0mm	0.178	0	0.051	0	0	0.093	0	0.08	0.055	0.084	0	0	0	0	0.09	0	0.086	0	0.089									
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	3	11	19	27	35	43	51	59	67	75	83	91	99	107	115	123	131	139									
	LTE Band 71	20M-QPSK	Full power	133322	683	1	0	Left Cheek	0mm	0.073	0	0	0	0	0	0	0	0	0	0	0.044	0	0.02	0	0	0	0	0	0								
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	4	12	20	28	36	44	52	60	68	76	84	92	100	108	116	124	132	140									
	LTE Band 12	10M-QPSK	Full power	23095	707.5	1	49	Left Cheek	0mm	0.080	0	0	0	0	0	0.021	0	0	0	0	0	0	0	0	0.03	0	0	0	0								
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	5	13	21	29	37	45	53	61	69	77	85	93	101	109	117	125	133	141									
	LTE Band 13	10M-QPSK	Full power	23230	782	1	49	Left Cheek	0mm	0.158	0.02	0	0.075	0	0	0.089	0	0	0	0	0	0	0	0	0	0.1	0.068	0.102	0								
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	6	14	22	30	38	46	54	62	70	78	86	94	102	110	118	126	134	142									
	LTE Band 14	10M-QPSK	Full power	23330	793	1	49	Right Cheek	0mm	0.164	0.052	0.043	0.07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.057								
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	7	15	23	31	39	47	55	63	71	79	87	95	103	111	119	127	135										
	LTE Band 26	15M-QPSK	Full power	26765	821.5	1	0	Left Cheek	0mm	0.085	0	0.076	0	0.021	0	0.018	0	0	0.05	0.044	0.075	0	0	0	0	0	0	0									
WWAN_Ant # Body	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	0	8	16	24	32	40	48	56	64	72	80	88	96	104	112	120	128	136									
	CDMA2000 BC0	RC3 S032 (F+SCF)	DS13/body-worn	1013	824.7	N/A	N/A	Back	5mm	0.864	0.104	0.193	0.747	0.132	0.778	0.203	0.789	0.36	0.575	0.105	0.114	0.733	0.557	0.667	0.197	0.66	0.258	0.458									
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	1	9	17	25	33	41	49	57	65	73	81	89	97	105	113	121	129	137									
	CDMA2000 BC10	RC3 S032 (F+SCF)	DS13/body-worn	684	823.1	N/A	N/A	Back	5mm	0.938	0.186	0.276	0.349	0.232	0.882	0.253	0.882	0.459	0.743	0.154	0.171	0.341	0.44	0.824	0.27	0.874	0.355	0.753									
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	2	10	18	26	34	42	50	58	66	74	82	90	98	106	114	122	130	138									
	WCDMA V	RMC 12.2Kbps	DS13/body-worn	4132	826.4	N/A	N/A	Back	5mm	0.731	0.21	0.37	0.121	0.301	0.721	0.233	0.73	0.533	0.723	0.155	0.237	0.115	0.104	0.717	0.261	0.715	0.341	0.712									
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	3	11	19	27	35	43	51	59	67	75	83	91	99	107	115	123	131	139									
	LTE Band 71	20M-QPSK	Full power	133322	683	1	0	Back	5mm	0.609	0.447	0.13	0.348	0.078	0.067	0.602	0.129	0.134	0.115	0.606	0.227	0.608	0.157	0.082	0.466	0.149	0.491	0.124									
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	4	12	20	28	36	44	52	60	68	76	84	92	100	108	116	124	132	140									
	LTE Band 12	10M-QPSK	Full power	23095	707.5	1	49	Back	5mm	0.725	0.471	0.14	0.285	0.085	0.113	0.713	0.128	0.286	0.131	0.638	0.179	0.414	0.114	0.105	0.706	0.206	0.425	0.14									
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	5	13	21	29	37	45	53	61	69	77	85	93	101	109	117	125	133	141									
	LTE Band 13	10M-QPSK	DS13/body-worn	23230	782	80	0	Back	5mm	0.761	0.249	0.232	0.506	0.126	0.147	0.577	0.104	0.085	0.213	0.231	0.245	0.162	0.108	0.213	0.603	0.42	0.595	0.23									
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	6	14	22	30	38	46	54	62	70	78	86	94	102	110	118	126	134	142									
	LTE Band 14	10M-QPSK	DS13/body-worn	23330	793	1	49	Back	5mm	0.889	0.509	0.415	0.586	0.205	0.204	0.229	0.181	0.135	0.348	0.308	0.426	0.23	0.164	0.232	0.199	0.16	0.117	0.463									
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	7	15	23	31	39	47	55	63	71	79	87	95	103	111	119	127	135										
	LTE Band 26	15M-QPSK	DS13/body-worn	26765	821.5	36	0	Back	5mm	0.900	0.103	0.604	0.054	0.478	0.146	0.451	0.239	0.294	0.224	0.335	0.603	0.268	0.361	0.146	0.32	0.157	0.182										