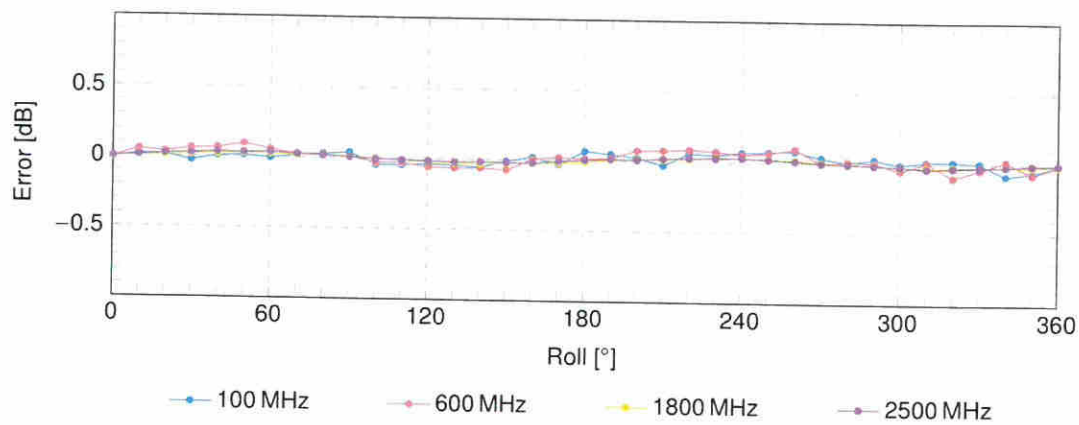
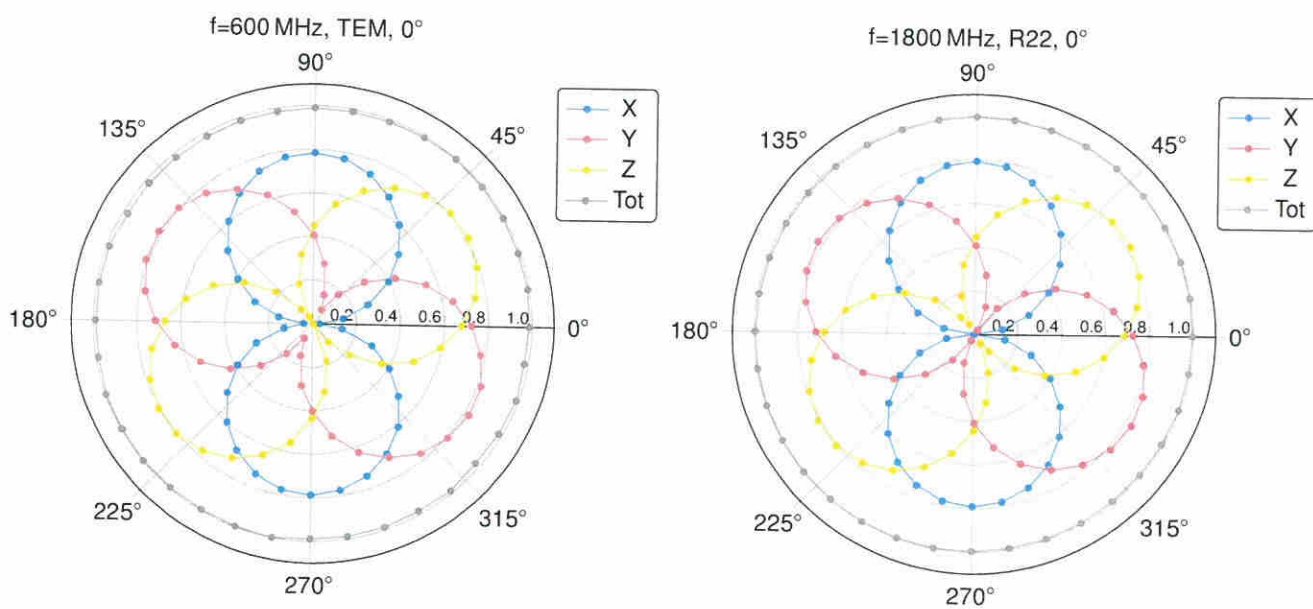
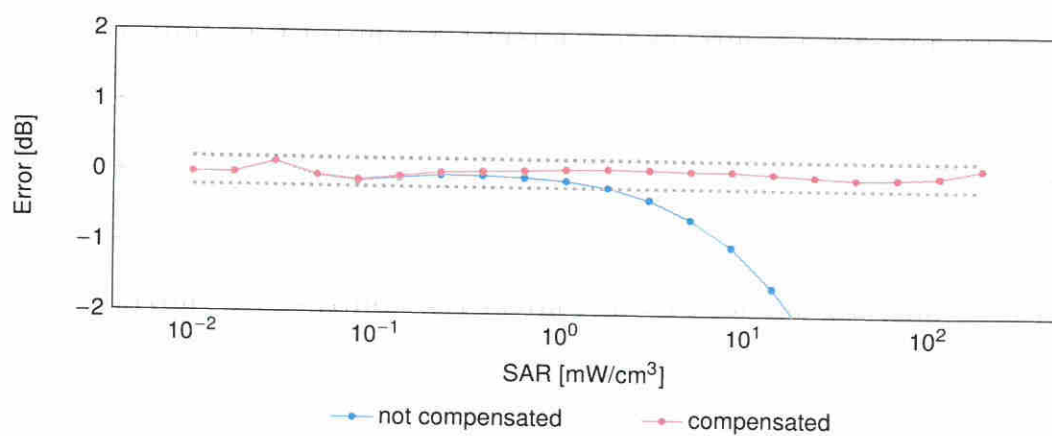
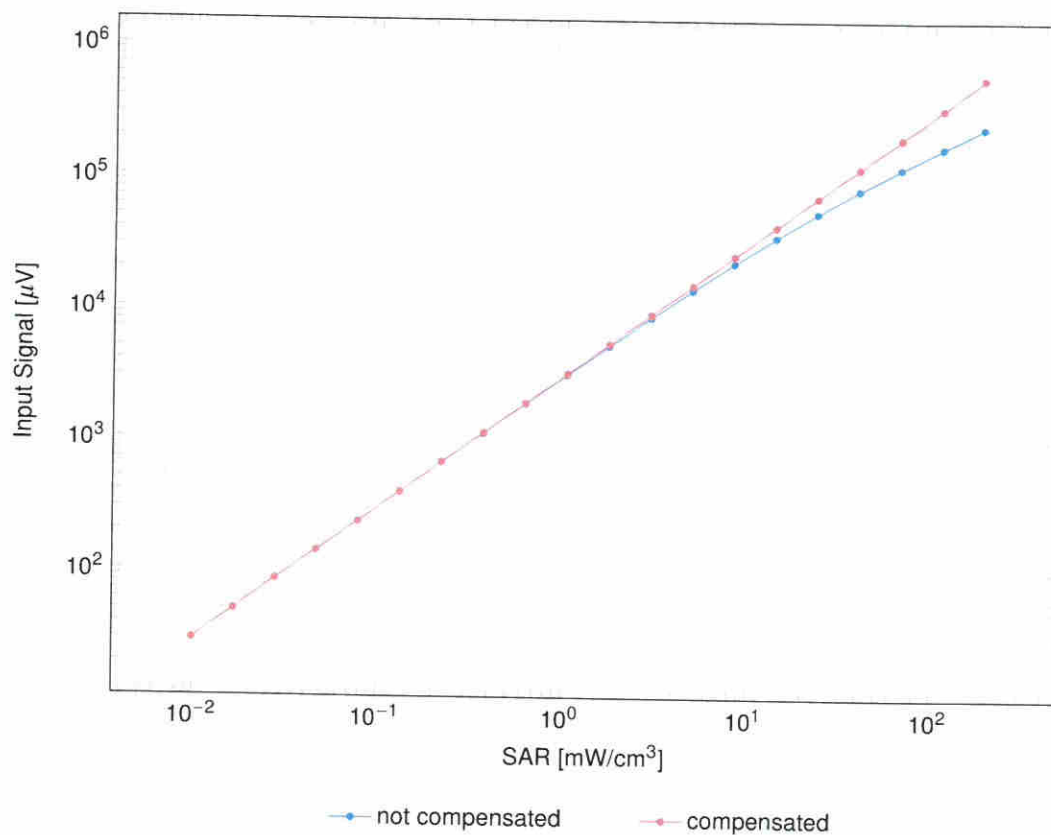
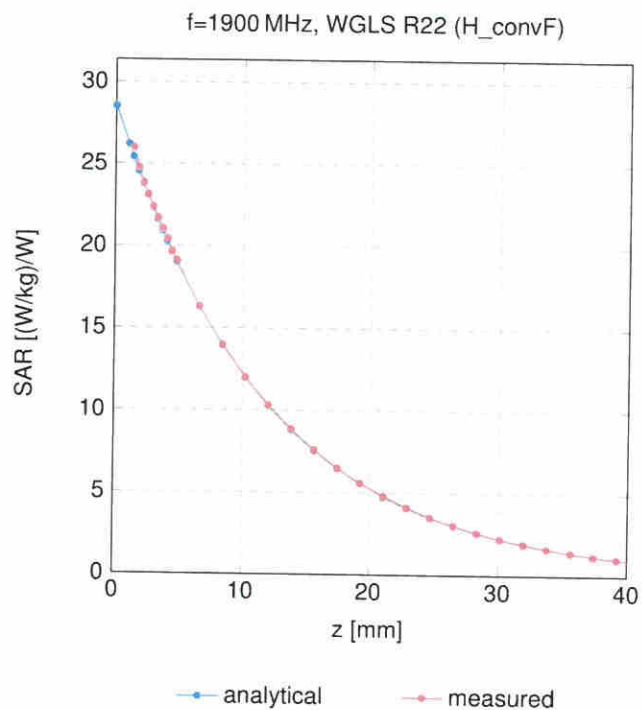


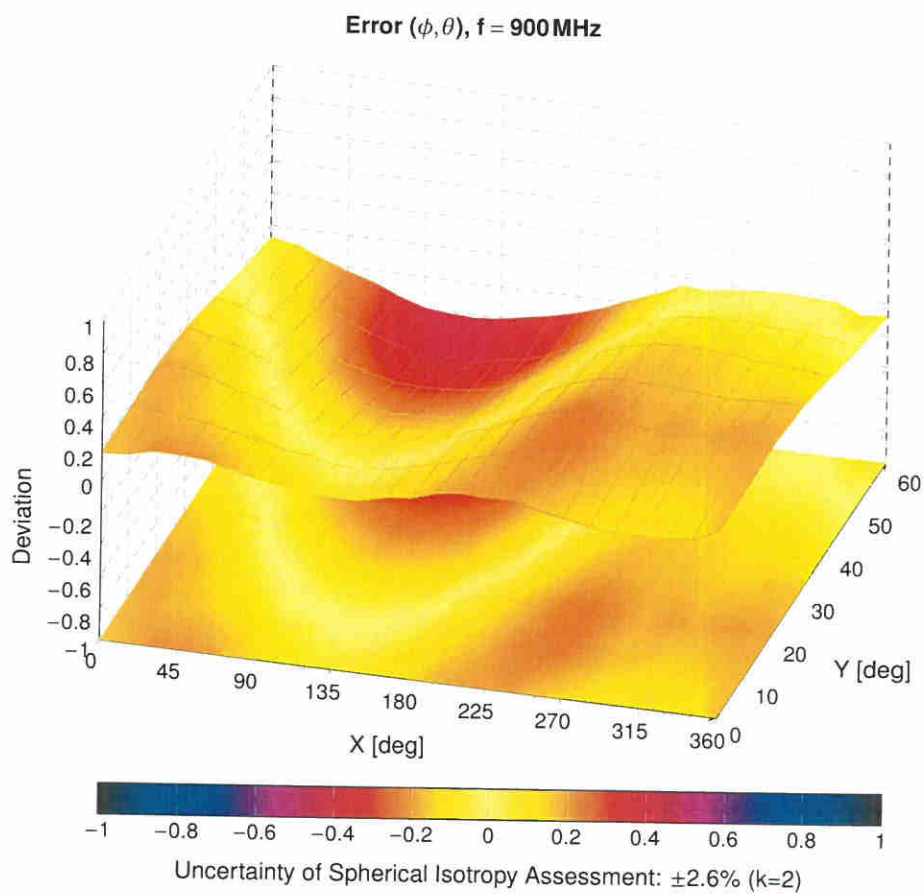
Receiving Pattern (ϕ), $\vartheta = 0^\circ$ Uncertainty of Axial Isotropy Assessment: $\pm 0.5\%$ ($k=2$)

Dynamic Range $f(\text{SAR}_{\text{head}})$ (TEM cell, $f_{\text{eval}} = 1900 \text{ MHz}$)Uncertainty of Linearity Assessment: $\pm 0.6\%$ ($k=2$)

Conversion Factor Assessment



Deviation from Isotropy in Liquid





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Client

Auden

Certificate No: **Z21-60435**

CALIBRATION CERTIFICATE

Object **EX3DV4 - SN : 7515**

Calibration Procedure(s) **FF-Z11-004-02**
Calibration Procedures for Dosimetric E-field Probes

Calibration date: **December 28, 2021**

This calibration Certificate documents the traceability to national standards, which realize the physical units of measurements(SI). The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature(22±3)°C and humidity<70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID #	Cal Date(Calibrated by, Certificate No.)	Scheduled Calibration
Power Meter NRP2	101919	15-Jun-21(CTTL, No.J21X04466)	Jun-22
Power sensor NRP-Z91	101547	15-Jun-21(CTTL, No.J21X04466)	Jun-22
Power sensor NRP-Z91	101548	15-Jun-21(CTTL, No.J21X04466)	Jun-22
Reference 10dBAttenuator	18N50W-10dB	10-Feb-20(CTTL, No.J20X00525)	Feb-22
Reference 20dBAttenuator	18N50W-20dB	10-Feb-20(CTTL, No.J20X00526)	Feb-22
Reference Probe EX3DV4	SN 3617	27-Jan-21(SPEAG, No.EX3-3617_Jan21)	Jan-22
DAE4	SN 1555	20-Aug-21(SPEAG, No.DAE4-1555_Aug21/2)	Aug-22

Secondary Standards	ID #	Cal Date(Calibrated by, Certificate No.)	Scheduled Calibration
SignalGenerator MG3700A	6201052605	16-Jun-21(CTTL, No.J21X04467)	Jun-22
Network Analyzer E5071C	MY46110673	21-Jan-21(CTTL, No.J20X00515)	Jan-22

	Name	Function	Signature
Calibrated by:	Yu Zongying	SAR Test Engineer	
Reviewed by:	Lin Hao	SAR Test Engineer	
Approved by:	Qi Dianyuan	SAR Project Leader	

Issued: December 30, 2021

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.



Glossary:

TSL	tissue simulating liquid
NORM _{x,y,z}	sensitivity in free space
ConvF	sensitivity in TSL / NORM _{x,y,z}
DCP	diode compression point
CF	crest factor (1/duty_cycle) of the RF signal
A,B,C,D	modulation dependent linearization parameters
Polarization Φ	Φ rotation around probe axis
Polarization θ	θ rotation around an axis that is in the plane normal to probe axis (at measurement center), i $\theta=0$ is normal to probe axis

Connector Angle information used in DASY system to align probe sensor X to the robot coordinate system

Calibration is Performed According to the Following Standards:

- IEEE Std 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", June 2013
- IEC 62209-1, "Measurement procedure for the assessment of Specific Absorption Rate (SAR) from hand-held and body-mounted devices used next to the ear (frequency range of 300 MHz to 6 GHz)", July 2016
- IEC 62209-2, "Procedure to determine the Specific Absorption Rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz)", March 2010
- KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Methods Applied and Interpretation of Parameters:

- NORM_{x,y,z}:** Assessed for E-field polarization $\theta=0$ ($f \leq 900\text{MHz}$ in TEM-cell; $f > 1800\text{MHz}$: waveguide). NORM_{x,y,z} are only intermediate values, i.e., the uncertainties of NORM_{x,y,z} does not effect the E^2 -field uncertainty inside TSL (see below ConvF).
- NORM(f)_{x,y,z} = NORM_{x,y,z} * frequency_response** (see Frequency Response Chart). This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of ConvF.
- DCP_{x,y,z}:** DCP are numerical linearization parameters assessed based on the data of power sweep (no uncertainty required). DCP does not depend on frequency nor media.
- PAR:** PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics.
- A_{x,y,z}; B_{x,y,z}; C_{x,y,z}; VR_{x,y,z}; A,B,C** are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum calibration range expressed in RMS voltage across the diode.
- ConvF and Boundary Effect Parameters:** Assessed in flat phantom using E-field (or Temperature Transfer Standard for $f \leq 800\text{MHz}$) and inside waveguide using analytical field distributions based on power measurements for $f > 800\text{MHz}$. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty valued are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to NORM_{x,y,z} * ConvF whereby the uncertainty corresponds to that given for ConvF. A frequency dependent ConvF is used in DASY version 4.4 and higher which allows extending the validity from $\pm 50\text{MHz}$ to $\pm 100\text{MHz}$.
- Spherical isotropy (3D deviation from isotropy):** in a field of low gradients realized using a flat phantom exposed by a patch antenna.
- Sensor Offset:** The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.
- Connector Angle:** The angle is assessed using the information gained by determining the NORM_x (no uncertainty required).



DASY/EASY – Parameters of Probe: EX3DV4 – SN:7515

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm($\mu\text{V}/(\text{V}/\text{m})^2$) ^A	0.44	0.49	0.47	±10.0%
DCP(mV) ^B	98.0	98.8	100.2	

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	146.7	±4.8%
		Y	0.0	0.0	1.0		161.1	
		Z	0.0	0.0	1.0		154.1	

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 E^2 -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.



DASY/EASY – Parameters of Probe: EX3DV4 – SN:7515

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	10.02	10.02	10.02	0.08	1.72	±12.1%
835	41.5	0.90	9.65	9.65	9.65	0.16	1.25	±12.1%
900	41.5	0.97	9.61	9.61	9.61	0.20	1.18	±12.1%
1750	40.1	1.37	8.40	8.40	8.40	0.47	0.79	±12.1%
1900	40.0	1.40	8.16	8.16	8.16	0.30	0.95	±12.1%
2000	40.0	1.40	8.23	8.23	8.23	0.19	1.29	±12.1%
2300	39.5	1.67	7.71	7.71	7.71	0.60	0.70	±12.1%
2450	39.2	1.80	7.44	7.44	7.44	0.54	0.78	±12.1%
2600	39.0	1.96	7.31	7.31	7.31	0.60	0.74	±12.1%
3300	38.2	2.71	7.10	7.10	7.10	0.43	0.92	±13.3%
3500	37.9	2.91	6.87	6.87	6.87	0.42	1.00	±13.3%
3700	37.7	3.12	6.55	6.55	6.55	0.43	1.00	±13.3%
3900	37.5	3.32	6.47	6.47	6.47	0.40	1.25	±13.3%
4100	37.2	3.53	6.53	6.53	6.53	0.40	1.15	±13.3%
4200	37.1	3.63	6.44	6.44	6.44	0.40	1.25	±13.3%
4400	36.9	3.84	6.34	6.34	6.34	0.40	1.25	±13.3%
4600	36.7	4.04	6.25	6.25	6.25	0.50	1.17	±13.3%
4800	36.4	4.25	6.22	6.22	6.22	0.45	1.20	±13.3%
4950	36.3	4.40	5.97	5.97	5.97	0.50	1.20	±13.3%
5250	35.9	4.71	5.46	5.46	5.46	0.45	1.25	±13.3%
5600	35.5	5.07	4.89	4.89	4.89	0.55	1.20	±13.3%
5750	35.4	5.22	4.96	4.96	4.96	0.55	1.25	±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.

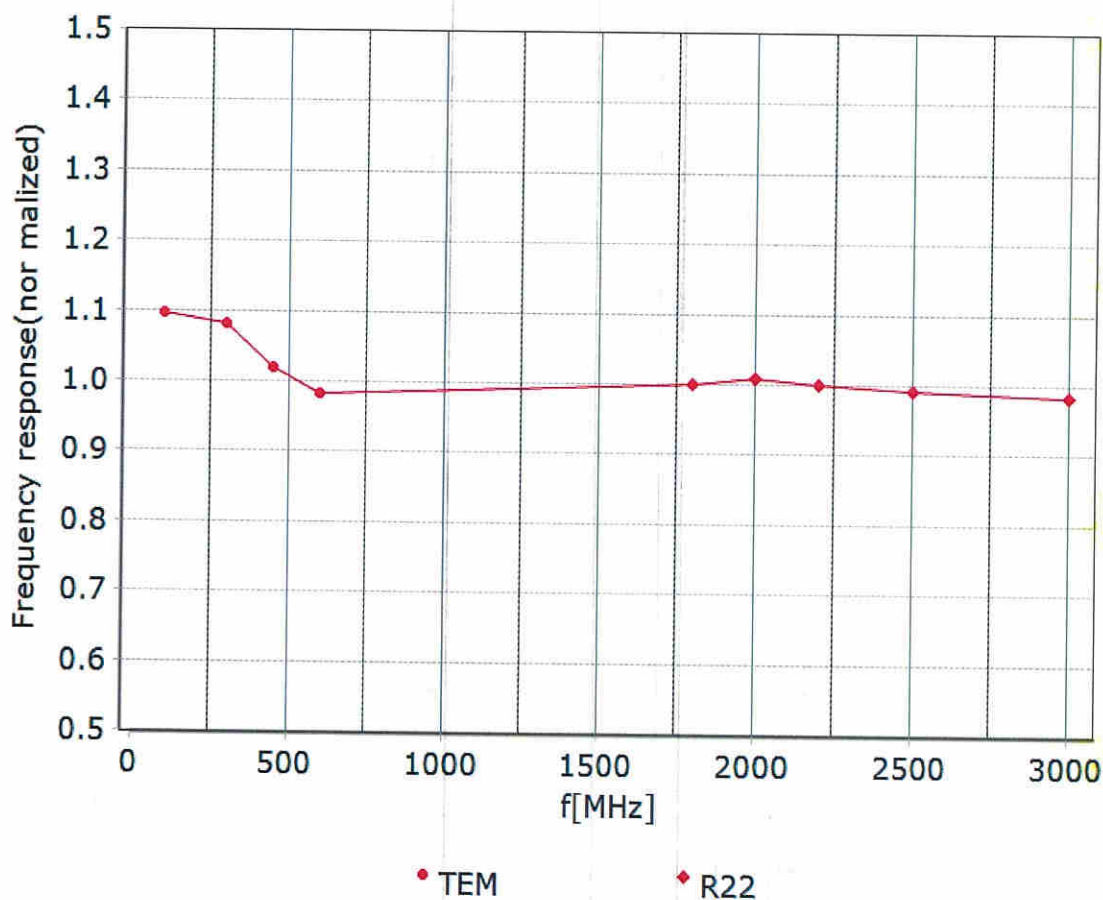
^G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ± 1% for frequencies below 3 GHz and below ± 2% for the frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from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



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



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

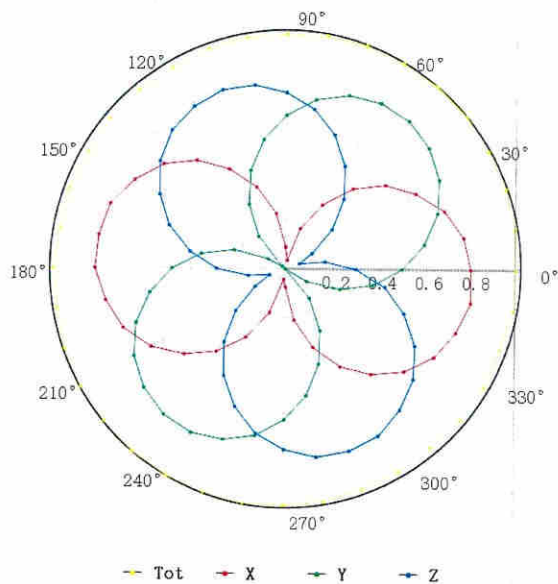


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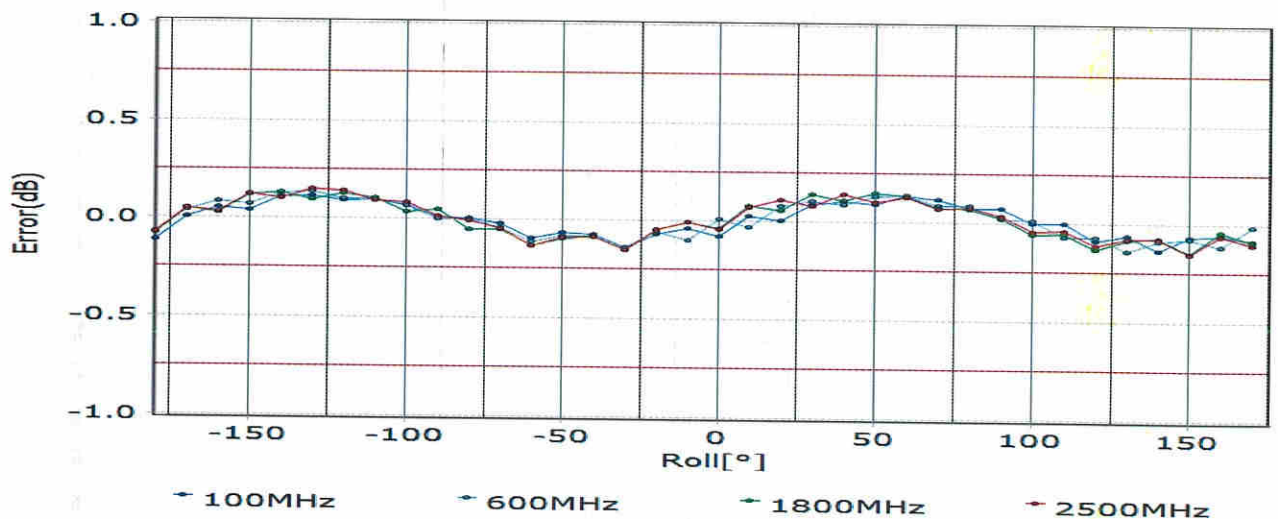
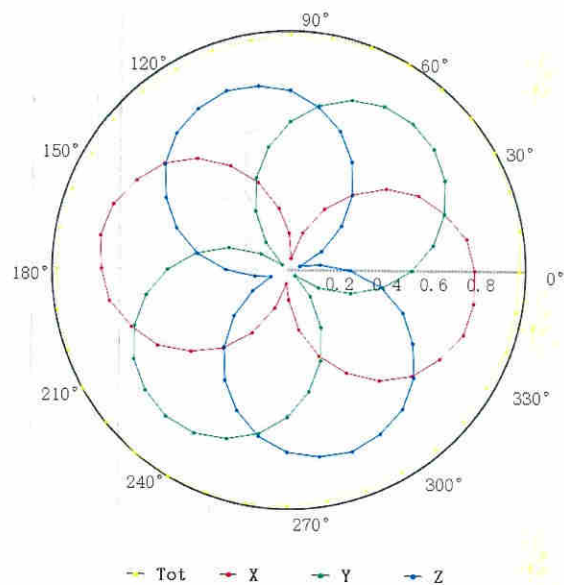
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Receiving Pattern (Φ), $\theta=0^\circ$

f=600 MHz, TEM



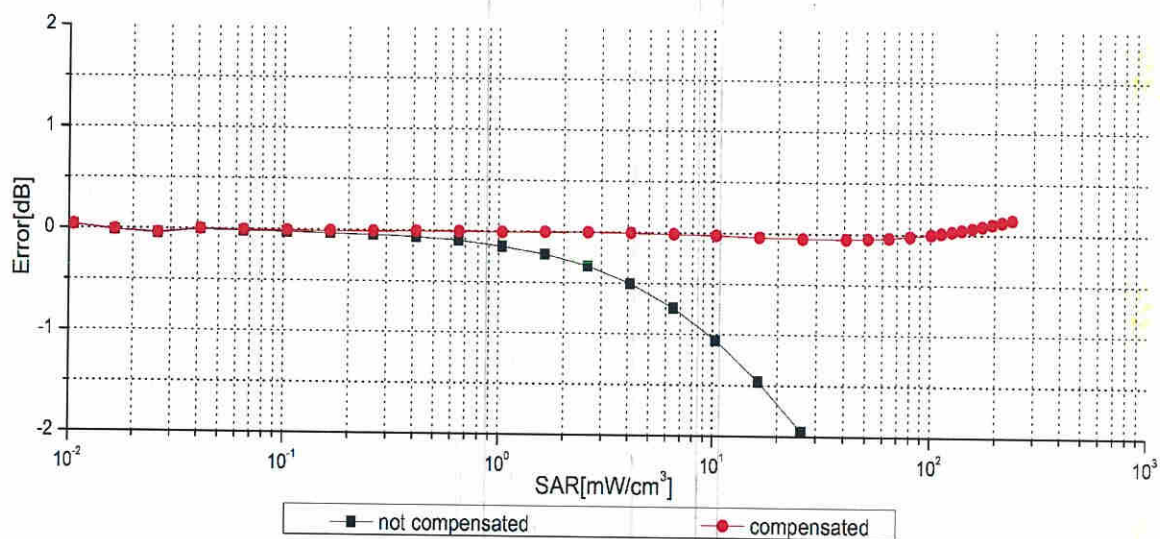
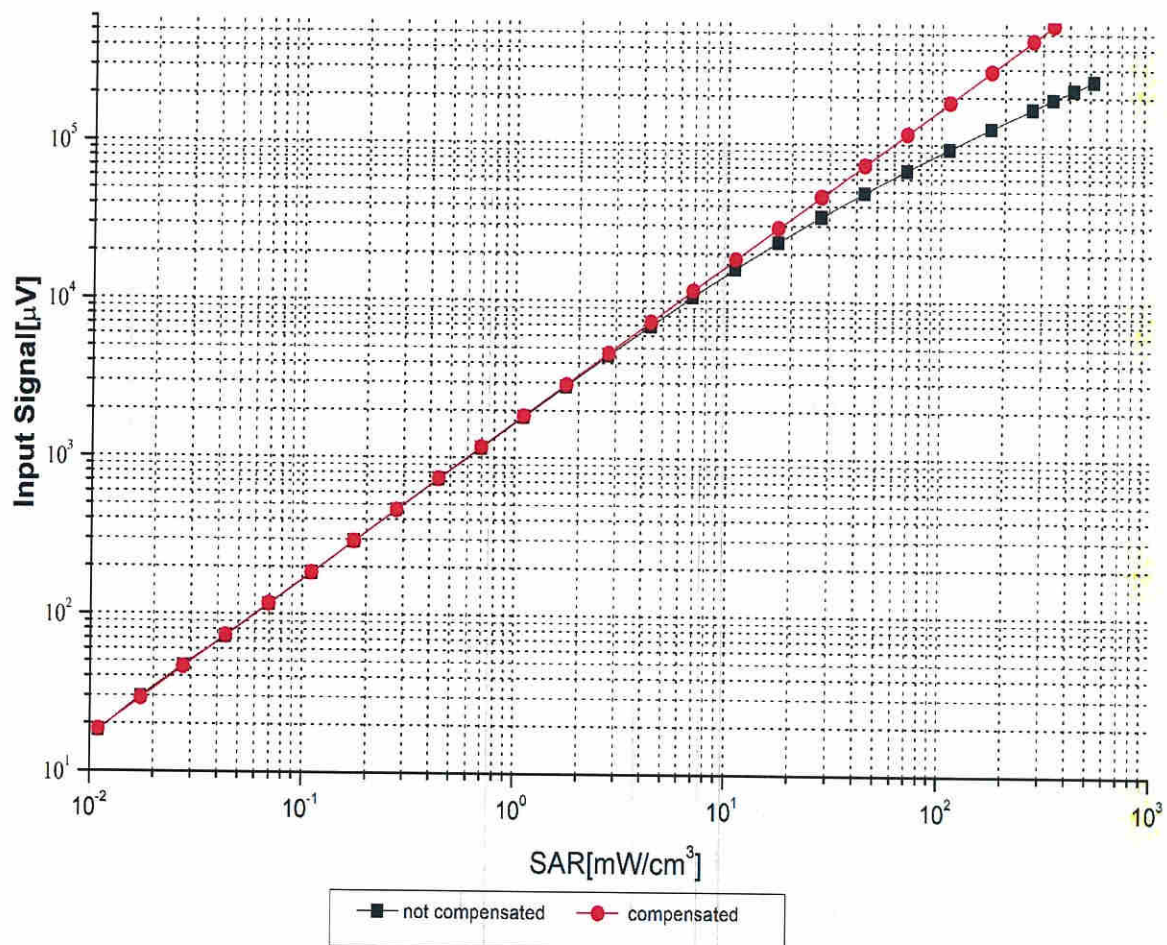
f=1800 MHz, R22



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



Dynamic Range f(SAR_{head}) (TEM cell, f = 900 MHz)



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



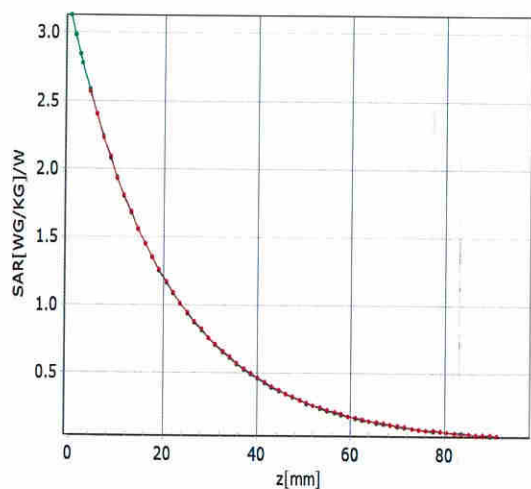
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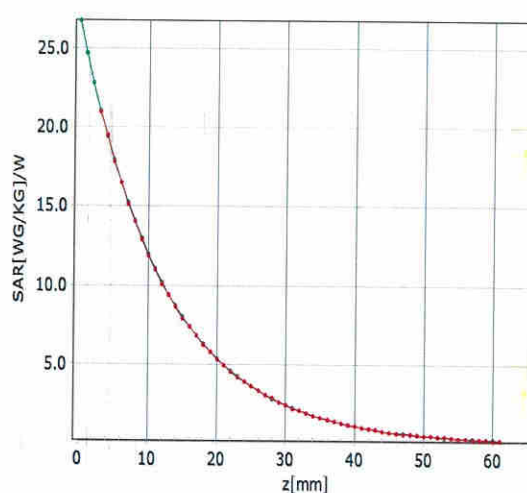
Conversion Factor Assessment

f=750 MHz,WGLS R9(H_convF)

f=1750 MHz,WGLS R22(H_convF)

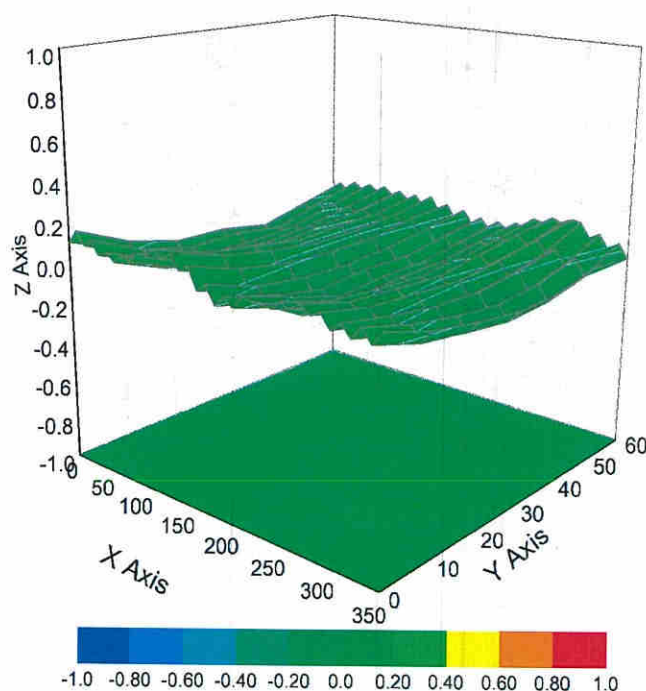


+ analytical + measured



+ analytical + measured

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:7515

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	175.7
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disable
Probe Overall Length	337mm
Probe Body Diameter	10mm
Tip Length	9mm
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 tables are shown as follows.

Default Power & DSI4/9/14

GSM900_ANT 1		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	824.4	824.8		824.2	824.4	824.8	
GSM 1 Tx slot		33.62	33.51	33.38	34.00	24.62	24.51	24.38	25.00
GPRS/EDGE(GMSK) 1 Tx slot		33.61	33.49	33.37	34.00	24.61	24.49	24.37	25.00
GPRS/EDGE(GMSK) 2 Tx slots		30.50	30.28	30.08	31.00	24.50	24.28	24.08	25.00
GPRS/EDGE(GMSK) 3 Tx slots		28.63	28.45	28.18	29.20	24.37	24.18	23.92	24.94
GPRS/EDGE(GMSK) 4 Tx slots		27.04	27.07	26.95	28.00	24.04	24.07	23.95	25.00
EDGE 1 Tx slot		27.27	27.54	27.05	28.00	18.27	18.54	18.05	19.00
EDGE 2 Tx slots		25.08	25.09	24.92	26.20	19.08	19.09	18.92	19.20
EDGE 3 Tx slots		23.82	23.93	23.68	24.00	19.58	19.57	19.42	19.74
EDGE 4 Tx slots		23.05	23.18	23.11	23.90	20.05	20.18	20.11	20.50
DTM Multi-slot class 5	GSM 1 Tx slot	30.38	30.14	29.95	31.00	24.43	24.19	23.97	24.98
	GPRS 1 Tx slot	30.52	30.28	30.04	31.00				
DTM Multi-slot class 9	GSM 1 Tx slot	30.34	30.29	30.05	31.00	24.40	24.22	24.04	24.98
	GPRS 1 Tx slot	30.50	30.19	30.07	31.00				
DTM Multi-slot class 11	GSM 1 Tx slot	28.59	28.39	28.18	29.20	24.34	24.14	23.88	24.94
	GPRS 2 Tx slots	28.61	28.41	28.12	29.20				
DTM Multi-slot class 5	GSM 1 Tx slot	30.53	30.32	30.12	31.00	22.53	22.36	22.17	22.98
	EDGE 1 Tx slot	24.81	24.80	24.85	25.20				
DTM Multi-slot class 9	GSM 1 Tx slot	30.51	30.22	30.17	31.00	22.51	22.30	22.20	22.98
	EDGE 1 Tx slot	24.77	24.86	24.89	25.20				
DTM Multi-slot class 11	GSM 1 Tx slot	28.88	28.55	28.27	29.20	21.70	21.62	21.40	22.22
	EDGE 2 Tx slots	23.49	23.48	23.36	24.00				

GSM1900_ANT 3		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1860	1909.8		1850.2	1860	1909.8	
GSM 1 Tx slot		30.08	30.06	29.70	31.00	21.08	21.06	20.70	22.00
GPRS/EDGE(GMSK) 1 Tx slot		30.05	29.95	29.85	31.00	21.05	20.95	20.85	22.00
GPRS/EDGE(GMSK) 2 Tx slots		26.87	26.80	26.57	28.00	20.87	20.80	20.57	22.00
GPRS/EDGE(GMSK) 3 Tx slots		25.18	25.08	24.70	26.20	20.92	20.82	20.44	21.94
GPRS/EDGE(GMSK) 4 Tx slots		24.30	24.15	24.01	25.00	21.30	21.15	21.01	22.00
EDGE 1 Tx slot		26.03	25.96	25.80	27.00	17.03	16.96	16.80	18.00
EDGE 2 Tx slots		22.85	22.84	22.72	24.00	16.85	16.84	16.72	18.00
EDGE 3 Tx slots		21.01	20.97	20.86	22.20	16.75	16.71	16.60	17.94
EDGE 4 Tx slots		20.12	19.97	19.91	21.00	17.12	16.97	16.91	18.00
DTM Multi-slot class 5	GSM 1 Tx slot	26.85	26.62	26.58	28.00	20.82	20.79	20.47	21.98
	GPRS 1 Tx slot	26.83	26.81	26.40	28.00				
DTM Multi-slot class 9	GSM 1 Tx slot	26.76	26.64	26.51	28.00	20.74	20.63	20.49	21.98
	GPRS 1 Tx slot	26.77	26.67	26.52	28.00				
DTM Multi-slot class 11	GSM 1 Tx slot	25.12	25.08	24.80	26.20	20.91	20.87	20.47	21.94
	GPRS 2 Tx slots	25.20	25.15	24.70	26.20				
DTM Multi-slot class 5	GSM 1 Tx slot	26.82	26.75	26.68	28.00	19.19	19.12	19.00	20.42
	EDGE 1 Tx slot	22.62	22.58	22.35	24.00				
DTM Multi-slot class 9	GSM 1 Tx slot	26.83	26.78	26.58	28.00	19.17	19.12	18.95	20.42
	EDGE 1 Tx slot	22.62	22.49	22.42	24.00				
DTM Multi-slot class 11	GSM 1 Tx slot	25.15	25.17	24.71	26.20	18.47	18.47	18.14	19.71
	EDGE 2 Tx slots	20.71	20.68	20.52	22.20				

Band		WCDMA 8_ANT 3			Tune-up Limit (dBm)	WCDMA 14_ANT 3			Tune-up Limit (dBm)	WCDMA V_ANT 1			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4367	4407	4458	
Frequency (MHz)		1927.4	1950	1973.6		1742.4	1747.6	1752.6		4524	4534	4544	
3GPP Rel 99 RMC 12.2Mbps		24.15	24.22	24.20	25.00	24.05	24.16	24.01	25.00	24.01	24.09	24.00	25.00
3GPP Rel 99		24.19	24.25	24.21	25.00	24.08	24.15	24.03	25.00	24.03	24.11	24.01	25.00
3GPP Rel 6	HSDPA Subtest-1	23.31	23.30	23.24	24.00	23.33	23.37	23.21	24.00	22.85	22.93	22.88	24.00
3GPP Rel 6	HSDPA Subtest-2	23.31	23.32	23.24	24.00	23.38	23.36	23.28	24.00	22.83	22.92	22.92	24.00
3GPP Rel 6	HSDPA Subtest-3	22.81	22.78	22.75	23.50	22.86	22.84	22.76	23.50	22.34	22.47	22.37	23.50
3GPP Rel 6	HSDPA Subtest-4	22.81	22.75	22.72	23.50	22.83	22.90	22.72	23.50	22.39	22.38	22.41	23.50
3GPP Rel 6	DC-HSDPA Subtest-1	23.17	23.15	23.10	24.00	23.17	23.28	23.12	24.00	22.77	22.82	22.82	24.00
3GPP Rel 6	DC-HSDPA Subtest-2	23.23	23.21	23.12	24.00	23.25	23.30	23.10	24.00	22.68	22.76	22.76	24.00
3GPP Rel 6	DC-HSDPA Subtest-3	22.72	22.69	22.69	23.50	22.71	22.75	22.62	23.50	22.28	22.38	22.31	23.50
3GPP Rel 6	DC-HSDPA Subtest-4	22.69	22.64	22.56	23.50	22.78	22.84	22.64	23.50	22.23	22.30	22.30	23.50
3GPP Rel 6	HSUPA Subtest-1	23.32	23.35	23.28	24.00	23.39	23.39	23.24	24.00	22.75	22.88	22.86	24.00
3GPP Rel 6	HSUPA Subtest-2	21.32	21.36	21.33	22.00	19.36	19.38	19.22	20.00	20.76	20.85	20.84	22.00
3GPP Rel 6	HSUPA Subtest-3	22.35	22.33	22.29	23.00	20.36	20.34	20.21	21.00	21.76	21.86	21.81	23.00
3GPP Rel 6	HSUPA Subtest-4	21.32	21.34	21.32	22.00	19.37	19.35	19.27	20.00	20.73	20.88	20.83	22.00
3GPP Rel 6	HSUPA Subtest-5	23.30	23.31	23.30	24.00	23.40	23.42	23.40	24.00	22.80	22.90	22.90	24.00
3GPP Rel 7	HSPA+ (60MHz) Subtest-1	20.20	20.30	20.20	21.00	20.30	20.40	20.30	21.00	21.10	21.20	21.10	22.00

GSM900_ANT 0		Burst Average Power (dBm)			Tune-up		Frame Average Power (dBm)			Tune-up	
TX Channel		128	189	251	Limit		128	189	251	Limit	
Frequency (MHz)		124.2	130.4	144.8	(dBm)		124.2	130.4	144.8	(dBm)	
GSM 1 Tx slot		33.65	33.49	33.28	34.00		24.65	24.46	24.26	25.00	
GPRS/EDGE(GMSK) 1 Tx slot		33.62	33.43	33.24	34.00		24.62	24.43	24.24	25.00	
GPRS/EDGE(GMSK) 2 Tx slots		30.49	30.68	30.70	31.00		24.49	24.68	24.70	25.00	
GPRS/EDGE(GMSK) 3 Tx slots		28.28	28.31	28.02	28.20		24.02	24.05	23.76	24.94	
GPRS/EDGE(GMSK) 4 Tx slots		27.03	27.08	27.01	28.00		24.03	24.08	24.01	25.00	
EDGE 1 Tx slot		27.15	27.12	26.91	28.00		18.15	18.12	17.91	19.00	
EDGE 2 Tx slots		25.05	25.01	24.81	25.20		19.05	19.01	18.81	19.20	
EDGE 3 Tx slots		23.83	23.71	23.59	24.00		19.57	19.45	19.33	19.74	
EDGE 4 Tx slots		23.07	23.14	23.03	23.50		20.07	20.14	20.03	20.50	
DTM Multi-slot	GSM 1 Tx slot	30.32	30.68	30.56	31.00		24.35	24.63	24.54	24.98	
	GPRS 1 Tx slot	30.43	30.65	30.56	31.00						
DTM Multi-slot	GSM 1 Tx slot	30.36	30.61	30.64	31.00		24.37	24.55	24.62	24.98	
	GPRS 1 Tx slot	30.43	30.53	30.65	31.00						
DTM Multi-slot	GSM 1 Tx slot	28.28	28.29	28.07	28.20		23.99	24.02	23.80	24.94	
	GPRS 2 Tx slots	28.23	28.27	28.06	28.20						
DTM Multi-slot	GSM 1 Tx slot	30.54	30.67	30.64	31.00		22.51	22.61	22.54	22.98	
	EDGE 1 Tx slot	24.68	24.67	24.44	25.20						
DTM Multi-slot	GSM 1 Tx slot	30.48	30.64	30.76	31.00		22.47	22.58	22.66	22.98	
	EDGE 1 Tx slot	24.73	24.64	24.56	25.20						
DTM Multi-slot	GSM 1 Tx slot	28.24	28.30	28.02	28.20		21.48	21.47	21.24	22.22	
	EDGE 2 Tx slots	23.81	23.48	23.34	24.00						

GSM1900_ANT 2		Burst Average Power (dBm)			Tune-up		Frame Average Power (dBm)			Tune-up	
TX Channel		512	661	810	Limit		512	661	810	Limit	
Frequency (MHz)		1850.2	1860	1909.8	(dBm)		1850.2	1860	1909.8	(dBm)	
GSM 1 Tx slot		30.64	30.34	30.27	31.00		21.64	21.34	21.27	22.00	
GPRS/EDGE(GMSK) 1 Tx slot		30.61	30.33	30.19	31.00		21.61	21.33	21.19	22.00	
GPRS/EDGE(GMSK) 2 Tx slots		27.41	27.33	27.10	28.00		21.41	21.33	21.10	22.00	
GPRS/EDGE(GMSK) 3 Tx slots		25.87	25.47	25.44	26.20		21.61	21.21	21.18	21.94	
GPRS/EDGE(GMSK) 4 Tx slots		24.75	24.83	24.57	25.00		21.75	21.83	21.57	22.00	
EDGE 1 Tx slot		26.24	26.03	26.05	26.80		17.24	17.03	17.05	17.50	
EDGE 2 Tx slots		23.50	23.46	23.41	23.20		17.60	17.46	17.41	18.20	
EDGE 3 Tx slots		21.47	21.38	21.26	23.00		17.21	17.12	17.00	18.74	
EDGE 4 Tx slots		20.35	20.17	20.17	22.00		17.35	17.17	17.17	19.00	
DTM Multi-slot	GSM 1 Tx slot	27.27	27.27	27.08	28.00		21.29	21.28	21.06	21.98	
	GPRS 1 Tx slot	27.35	27.34	27.08	28.00						
DTM Multi-slot	GSM 1 Tx slot	27.34	27.16	27.07	28.00		21.36	21.19	21.00	21.98	
	GPRS 1 Tx slot	27.42	27.26	26.97	28.00						
DTM Multi-slot	GSM 1 Tx slot	25.90	25.43	25.56	26.20		21.61	21.23	21.21	21.94	
	GPRS 2 Tx slots	25.85	25.52	25.43	26.20						
DTM Multi-slot	GSM 1 Tx slot	27.50	27.27	27.07	28.00		19.84	19.68	19.53	20.80	
	EDGE 1 Tx slot	23.21	23.22	23.20	25.20						
DTM Multi-slot	GSM 1 Tx slot	27.42	27.33	27.26	28.00		19.80	19.73	19.62	20.80	
	EDGE 1 Tx slot	23.26	23.25	23.20	25.20						
DTM Multi-slot	GSM 1 Tx slot	25.84	25.44	25.46	26.20		19.02	18.78	18.80	20.09	
	EDGE 2 Tx slots	21.04	21.03	21.05	23.00						

Band		WCDMA_R_ANT2			Tune-up		WCDMA_R_ANT2			Tune-up		WCDMA_V_ANT0			Tune-up	
TX Channel		9262	9600	9638	Limit		1312	1413	1513	Limit		4132	4182	4233	Limit	
Rx Channel		9662	9800	9938	(dBm)		1537	1636	1738	(dBm)		4357	4407	4458	(dBm)	
Frequency (MHz)		1852.4	1860	1907.6			1712.4	1732.6	1762.6			826.4	836.4	846.6		
IGPP Rel 6	AMR 12.2kps	24.55	24.62	24.60	25.00		24.47	24.60	24.42	25.00		23.97	24.02	23.98	25.00	
IGPP Rel 99	RMC 12.2kps	24.59	24.65	24.61	25.00		24.49	24.63	24.53	25.00		23.98	24.03	23.97	25.00	
IGPP Rel 6	HSDPA Subtest-1	23.71	23.74	23.72	24.00		23.76	23.80	23.68	24.00		22.92	22.97	22.89	24.00	
IGPP Rel 6	HSDPA Subtest-2	23.75	23.74	23.77	24.00		23.72	23.80	23.67	24.00		22.93	22.92	22.87	24.00	
IGPP Rel 6	HSDPA Subtest-3	23.21	23.28	23.21	23.60		23.22	23.33	23.21	23.90		22.38	22.41	22.36	23.90	
IGPP Rel 6	HSDPA Subtest-4	23.19	23.26	23.22	23.60		23.22	23.31	23.20	23.90		22.38	22.42	22.33	23.90	
IGPP Rel 8	DC-HSDPA Subtest-1	23.84	23.63	23.59	24.00		23.66	23.72	23.56	24.00		22.84	22.82	22.76	24.00	
IGPP Rel 8	DC-HSDPA Subtest-2	23.65	23.59	23.70	24.00		23.62	23.70	23.56	24.00		22.79	22.84	22.82	24.00	
IGPP Rel 8	DC-HSDPA Subtest-3	23.12	23.16	23.09	23.60		23.13	23.22	23.05	23.90		22.26	22.29	22.30	23.90	
IGPP Rel 8	DC-HSDPA Subtest-4	23.11	23.15	23.07	23.60		23.15	23.26	23.12	23.90		22.25	22.31	22.17	23.90	
IGPP Rel 6	HSUPA Subtest-1	23.75	23.76	23.77	24.00		23.77	23.84	23.68	24.00		22.82	22.91	22.87	24.00	
IGPP Rel 6	HSUPA Subtest-2	21.74	21.76	21.78	22.00		19.78	19.86	19.71	20.00		20.84	20.94	20.81	22.00	
IGPP Rel 6	HSUPA Subtest-3	22.73	22.79	22.81	23.00		20.81	20.86	20.70	21.00		21.85	21.86	21.80	23.00	
IGPP Rel 6	HSUPA Subtest-4	21.78	21.83	21.75	22.00		19.77	19.82	19.67	20.00		20.84	20.95	20.89	22.00	
IGPP Rel 6	HSUPA Subtest-5	23.80	23.80	23.70	24.00		23.80	23.80	23.70	24.00		22.90	22.70	22.90	24.00	
IGPP Rel 7	HSPA+ (16QAM) Subtest-1	20.20	20.30	20.20	21.00		20.40	20.40	20.20	21.00		20.10	20.30	20.20	22.00	

Band 71_ANT 0										
SV (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mode Ch / Freq.	Power High Ch / Freq.	Tune-up (ant. offset)	MPR (dB)		
Channel				673	660.5	685				
20	QPSK	1	0	23.91	23.93	23.92		25	0	
20	QPSK	1	40	23.95	23.98	23.98				
20	QPSK	1	90	23.73	23.82	23.78				
20	QPSK	50	0	22.95	22.99	22.94				
20	QPSK	50	24	22.92	22.91	22.92		24	1	
20	QPSK	50	50	22.91	22.88	22.81				
20	16QAM	1	0	23.21	23.26	23.24				
20	16QAM	1	40	23.17	23.25	23.18		24	1	
20	16QAM	1	90	23.02	23.17	23.08				
20	16QAM	50	0	21.88	21.92	21.91				
20	16QAM	50	24	21.92	21.91	21.8				
20	16QAM	50	50	21.93	21.88	21.88		23	2	
20	16QAM	100	0	21.96	21.86	21.89				
20	64QAM	1	0	22.47	22.52	22.5				
20	64QAM	1	40	22.24	22.3	22.25		23	2	
20	64QAM	1	90	22.23	22.28	22.17				
20	64QAM	50	0	21.25	21.25	21.24				
20	64QAM	50	24	21.28	21.21	21.22				
20	64QAM	50	50	21.18	21.15	21.16		22	3	
20	64QAM	100	0	21.25	21.23	21.21				
20	256QAM	1	0	18.82	18.84	18.85				
20	256QAM	1	40	18.92	18.89	18.93		20	5	
20	256QAM	1	90	18.99	18.97	18.98				
20	256QAM	50	0	18.80	18.81	18.83				
20	256QAM	50	24	18.85	18.83	18.79				
20	256QAM	50	50	18.78	18.74	18.75		20	5	
20	256QAM	100	0	18.70	18.74	18.84				
Channel				133172	133207	133447	Tune-up (ant. offset)			MPR (dB)
Frequency (MHz)				670.5	660.5	685				
15	QPSK	1	0	23.87	23.9	23.83		25	0	
15	QPSK	1	37	23.76	23.87	23.81				
15	QPSK	1	74	23.7	23.78	23.7				
15	QPSK	36	0	22.85	22.91	22.83				
15	QPSK	36	24	22.85	22.88	22.84		24	1	
15	QPSK	36	50	22.87	22.82	22.72				
15	QPSK	75	0	22.84	22.93	22.79				
15	16QAM	1	0	23.13	23.17	23.19		24	1	
15	16QAM	1	37	23.08	23.21	23.17				
15	16QAM	1	74	23.01	23.17	23.02				
15	16QAM	36	0	21.91	21.88	21.9				
15	16QAM	36	20	21.93	21.83	21.8		23	2	
15	16QAM	36	36	21.87	21.84	21.8				
15	16QAM	75	0	21.88	21.8	21.88				
15	64QAM	1	0	22.47	22.29	22.38		23	2	
15	64QAM	1	37	22.11	22.29	22.21				
15	64QAM	1	74	22.15	22.25	22.09				
15	64QAM	36	0	21.22	21.14	21.21				
15	64QAM	36	24	21.2	21.15	21.17		22	3	
15	64QAM	36	50	21.13	21.16	21.08				
15	64QAM	75	0	21.16	21.17	21.15				
15	256QAM	1	0	18.79	18.85	18.82		20	5	
15	256QAM	1	37	18.85	18.95	18.98				
15	256QAM	1	74	18.99	18.94	18.91				
15	256QAM	36	0	18.74	18.79	18.82				
15	256QAM	36	20	18.82	18.77	18.76		20	5	
15	256QAM	36	36	18.77	18.71	18.68				
15	256QAM	75	0	18.61	18.63	18.75				
Channel				133172	133207	133422	Tune-up (ant. offset)	MPR (dB)		
Frequency (MHz)				660.5	660.5	685				
10	QPSK	1	0	23.87	23.87	23.89		25	0	
10	QPSK	1	25	23.84	23.84	23.81				
10	QPSK	1	40	23.74	23.7	23.75				
10	QPSK	25	0	22.9	22.9	22.91				
10	QPSK	25	12	22.88	22.85	22.82		24	1	
10	QPSK	25	26	22.8	22.84	22.78				
10	QPSK	50	0	22.85	22.9	22.81				
10	16QAM	1	0	23.12	23.22	23.18		24	1	
10	16QAM	1	26	23.13	23.2	23.17				
10	16QAM	1	40	22.92	23.09	23				
10	16QAM	25	0	21.92	21.87	21.88				
10	16QAM	25	12	21.85	21.87	21.88		23	2	
10	16QAM	25	26	21.91	21.84	21.84				
10	16QAM	50	0	21.84	21.78	21.84				
10	64QAM	1	0	22.38	22.28	22.3		23	2	
10	64QAM	1	26	22.18	22.22	22.25				
10	64QAM	1	40	22.19	22.22	22.07				
10	64QAM	25	0	21.23	21.19	21.18				
10	64QAM	25	12	21.2	21.18	21.19		22	3	
10	64QAM	25	26	21.14	21.14	21.15				
10	64QAM	50	0	21.18	21.17	21.14				
10	256QAM	1	0	18.88	18.78	18.82		20	5	
10	256QAM	1	25	18.90	18.92	18.96				
10	256QAM	1	40	19.02	18.95	18.97				
10	256QAM	25	0	18.74	18.82	18.78				
10	256QAM	25	12	18.80	18.78	18.75		20	5	
10	256QAM	25	26	18.71	18.73	18.67				
10	256QAM	50	0	18.65	18.62	18.75				
Channel				133147	133207	133447	Tune-up (ant. offset)	MPR (dB)		
Frequency (MHz)				660.5	660.5	685				
5	QPSK	1	0	23.87	23.91	23.9		25	0	
5	QPSK	1	12	23.78	23.87	23.84				
5	QPSK	1	24	23.66	23.78	23.7				
5	QPSK	12	0	22.85	22.92	22.86				
5	QPSK	12	7	22.87	22.85	22.82		24	1	
5	QPSK	12	13	22.88	22.84	22.76				
5	QPSK	25	0	22.87	22.91	22.81				
5	16QAM	1	0	23.16	23.2	23.15		24	1	
5	16QAM	1	12	23.16	23.18	23.09				
5	16QAM	1	24	22.97	23.12	23.07				
5	16QAM	12	0	21.98	21.83	21.89				
5	16QAM	12	7	21.84	21.86	21.82		23	2	
5	16QAM	12	18	21.92	21.95	21.77				
5	16QAM	25	0	21.86	21.81	21.83				
5	64QAM	1	0	22.36	22.27	22.16		23	2	
5	64QAM	1	12	22.19	22.28	22.29				
5	64QAM	1	24	22.12	22.1	22.08				
5	64QAM	12	0	21.2	21.12	21.23				
5	64QAM	12	7	21.19	21.14	21.17		22	3	
5	64QAM	12	13	21.16	21.1	21.1				
5	64QAM	25	0	21.18	21.2	21.12				
5	256QAM	1	0	18.87	18.82	18.79		20	5	
5	256QAM	1	12	18.92	18.99	18.93				
5	256QAM	1	24	18.98	18.97	18.98				
5	256QAM	12	0	18.82	18.75	18.84				
5	256QAM	12	7	18.81	18.78	18.73		20	5	
5	256QAM	12	13	18.74	18.77	18.66				
5	256QAM	25	0	18.67	18.71	18.66				

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Reduced Power for DSI5/10/15

GSM900_ANT 1		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	188	251		128	188	251	
Frequency (MHz)		824.2	836.4	848.6		824.2	836.4	848.6	
GSM 1 Tx slot		33.62	33.51	33.58	34.00	24.62	24.51	24.54	25.00
GPRS/EDGE/GMSK 1 Tx slot		33.61	33.49	33.37	34.00	24.61	24.49	24.37	25.00
GPRS/EDGE/GMSK 2 Tx slots		30.50	30.28	30.08	31.00	24.50	24.28	24.08	25.00
GPRS/EDGE/GMSK 3 Tx slots		28.63	28.45	28.18	29.20	24.37	24.19	23.92	24.94
GPRS/EDGE/GMSK 4 Tx slots		27.04	27.07	26.95	28.20	24.04	24.07	23.95	25.00
EDGE 1 Tx slot		27.27	27.54	27.05	28.00	18.27	18.54	18.05	19.00
EDGE 2 Tx slots		25.08	25.09	24.92	25.20	19.08	19.09	18.92	19.20
EDGE 3 Tx slots		23.82	23.83	23.68	24.00	19.56	19.57	19.42	19.74
EDGE 4 Tx slots		23.05	23.18	23.11	23.30	20.05	20.18	20.11	20.50
DTM Multi-slot class 5	GSM 1 Tx slot	30.38	30.14	29.95	31.00	24.43	24.19	23.97	24.98
	GPRS 1 Tx slot	30.52	30.28	30.04	31.00				
DTM Multi-slot class 9	GSM 1 Tx slot	30.34	30.29	30.05	31.00	24.40	24.22	24.04	24.98
	GPRS 1 Tx slot	30.50	30.19	30.07	31.00				
DTM Multi-slot class 11	GSM 1 Tx slot	28.59	28.39	28.18	29.20	24.34	24.14	23.88	24.94
	GPRS 2 Tx slots	28.61	28.41	28.12	29.20				
DTM Multi-slot class 5	GSM 1 Tx slot	30.53	30.32	30.12	31.00	22.53	22.36	22.17	22.98
	EDGE 1 Tx slot	24.81	24.80	24.65	25.20				
DTM Multi-slot class 9	GSM 1 Tx slot	30.51	30.22	30.17	31.00	22.51	22.30	22.20	22.98
	EDGE 1 Tx slot	24.77	24.86	24.60	25.20				
DTM Multi-slot class 11	GSM 1 Tx slot	28.68	28.55	28.27	29.20	21.70	21.62	21.40	22.22
	EDGE 2 Tx slots	23.49	23.48	23.36	24.00				

GSM1900_ANT 3		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
Frequency (MHz)		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1860	1869.8		1850.2	1860	1869.8	
GSM 1 Tx slot		30.08	30.06	29.70	31.00	21.08	21.06	20.70	22.00
GPRS/EDGE/GMSK 1 Tx slot		30.05	29.95	29.85	31.00	21.05	20.95	20.85	22.00
GPRS/EDGE/GMSK 2 Tx slots		28.87	28.90	28.57	29.00	20.87	20.80	20.57	22.00
GPRS/EDGE/GMSK 3 Tx slots		25.18	25.08	24.70	26.20	20.92	20.82	20.44	21.94
GPRS/EDGE/GMSK 4 Tx slots		24.30	24.15	24.01	25.00	21.30	21.15	21.01	22.00
EDGE 1 Tx slot		26.03	25.96	25.80	27.00	17.03	16.96	16.80	18.00
EDGE 2 Tx slots		22.85	22.84	22.72	24.00	16.85	16.84	16.72	18.00
EDGE 3 Tx slots		21.01	20.97	20.88	22.20	16.75	16.71	16.60	17.94
EDGE 4 Tx slots		20.12	19.97	19.91	21.00	17.12	16.97	16.91	18.00
DTM Multi-slot class 5	GSM 1 Tx slot	26.85	26.82	26.58	28.00	20.82	20.79	20.47	21.98
	GPRS 1 Tx slot	26.83	26.81	26.40	28.00				
DTM Multi-slot class 9	GSM 1 Tx slot	26.76	26.64	26.51	28.00	20.74	20.63	20.49	21.98
	GPRS 1 Tx slot	26.77	26.67	26.52	28.00				
DTM Multi-slot class 11	GSM 1 Tx slot	25.12	25.09	24.80	26.20	20.91	20.87	20.47	21.94
	GPRS 2 Tx slots	25.20	25.15	24.70	26.20				
DTM Multi-slot class 5	GSM 1 Tx slot	26.82	26.75	26.66	28.00	19.19	19.12	19.00	20.42
	EDGE 1 Tx slot	22.62	22.56	22.35	24.00				
DTM Multi-slot class 9	GSM 1 Tx slot	26.83	26.76	26.56	28.00	19.17	19.12	18.95	20.42
	EDGE 1 Tx slot	22.52	22.45	22.42	24.00				
DTM Multi-slot class 11	GSM 1 Tx slot	25.15	25.17	24.71	26.20	18.47	18.47	18.14	19.71
	EDGE 2 Tx slots	20.71	20.68	20.52	22.20				

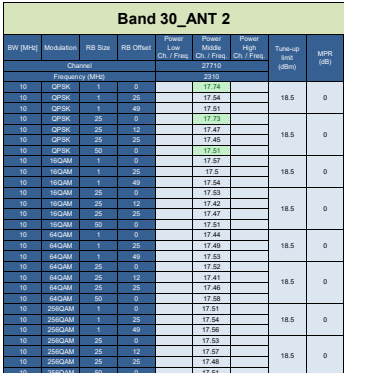
Band		WCDMA IV_ANT 3			Tune-up Limit (dBm)	WCDMA IV_ANT 3			Tune-up Limit (dBm)	WCDMA V_ANT 1			Tune-up Limit (dBm)
TX Channel		9582	9600	9598		1312	1413	1513		4132	4182	4232	
Rx Channel		9662	9600	9598		1537	1638	1738		4387	4407	4458	
Frequency (MHz)		1852.4	1860	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kbps		24.15	24.22	24.20	25.00	24.05	24.18	24.01	25.00	24.01	24.09	24.00	25.00
3GPP Rel 99 FAC 12.2Kbps		24.19	24.25	24.21	25.00	24.08	24.10	24.03	25.00	24.03	24.11	24.01	25.00
3GPP Rel 6 HSDPA Subtest-1		23.31	23.30	23.24	24.00	23.33	23.37	23.21	24.00	22.85	22.83	22.88	24.00
3GPP Rel 6 HSDPA Subtest-2		23.31	23.32	23.24	24.00	23.38	23.36	23.26	24.00	22.83	22.82	22.92	24.00
3GPP Rel 6 HSDPA Subtest-3		22.81	22.78	22.75	23.50	22.88	22.84	22.76	23.50	22.34	22.47	22.37	23.50
3GPP Rel 6 HSDPA Subtest-4		22.81	22.75	22.72	23.50	22.83	22.80	22.72	23.50	22.39	22.39	22.41	23.50
3GPP Rel 6 DC-HSDPA Subtest-1		23.17	23.15	23.10	24.00	23.17	23.28	23.12	24.00	22.77	22.82	22.82	24.00
3GPP Rel 6 DC-HSDPA Subtest-2		23.23	23.21	23.12	24.00	23.25	23.30	23.10	24.00	22.68	22.76	22.76	24.00
3GPP Rel 6 DC-HSDPA Subtest-3		22.72	22.69	22.69	23.50	22.71	22.75	22.62	23.50	22.28	22.38	22.31	23.50
3GPP Rel 6 DC-HSDPA Subtest-4		22.69	22.64	22.66	23.50	22.78	22.84	22.64	23.50	22.23	22.30	22.30	23.50
3GPP Rel 6 HSUPA Subtest-1		23.32	23.35	23.28	24.00	23.39	23.39	23.24	24.00	22.75	22.88	22.86	24.00
3GPP Rel 6 HSUPA Subtest-2		21.32	21.36	21.33	22.00	19.35	19.38	19.22	20.00	20.76	20.85	20.84	22.00
3GPP Rel 6 HSUPA Subtest-3		22.36	22.33	22.29	23.00	20.36	20.34	20.21	21.00	21.76	21.86	21.81	23.00
3GPP Rel 6 HSUPA Subtest-4		21.32	21.34	21.32	22.00	19.37	19.35	19.27	20.00	20.73	20.88	20.83	22.00
3GPP Rel 6 HSUPA Subtest-5		23.30	23.31	23.30	24.00	23.40	23.42	23.40	24.00	22.80	22.90	22.90	24.00
3GPP Rel 7 HSPA+ (16QAM) Subtest-1		20.20	20.30	20.20	21.00	20.30	20.40	20.30	21.00	21.10	21.20	21.10	22.00

Reduced Power for DSI5

GSM850_ANT 0		Burst Average Power (dBm)			Tune-up		Frame-Average Power (dBm)			Tune-up
TX Channel		1791	1847	1851	Limit		1791	1847	1851	Limit
Frequency (MHz)		824.2	836.4	848.8	(dBm)		824.2	836.4	848.8	(dBm)
GSM 1 Tx slot		33.65	33.46	33.26	34.00		24.65	24.46	24.26	25.00
	GPRS/EDGE(GMSK) 1 Tx slot	33.82	33.43	33.24	34.00		24.62	24.43	24.24	25.00
	GPRS/EDGE(GMSK) 2 Tx slots	30.49	30.68	30.70	31.00		24.49	24.68	24.70	25.00
	GPRS/EDGE(GMSK) 3 Tx slots	28.28	28.31	28.02	29.20		24.02	24.05	23.76	24.94
	GPRS/EDGE(GMSK) 4 Tx slots	27.03	27.08	27.01	28.00		24.03	24.08	24.01	25.00
EDGE 1 Tx slot		27.15	27.12	26.91	28.00		18.15	18.12	17.91	19.00
	EDGE 2 Tx slots	25.35	25.01	24.81	26.20		19.05	19.01	18.81	19.20
	EDGE 3 Tx slots	23.83	23.71	23.59	24.00		19.57	19.45	19.33	19.74
EDGE 4 Tx slots		23.07	23.14	23.03	23.50		20.07	20.14	20.03	20.50
	DTM Multi-slot class 5	30.32	30.66	30.56	31.00		24.35	24.63	24.54	24.98
	DTM Multi-slot class 9	30.43	30.65	30.56	31.00					
DTM Multi-slot class 11	GSM 1 Tx slot	30.36	30.61	30.64	31.00		24.37	24.55	24.62	24.98
	GPRS 1 Tx slot	30.43	30.53	30.65	31.00					
	GPRS 2 Tx slots	28.28	28.29	28.07	29.20		23.99	24.02	23.80	24.94
DTM Multi-slot class 5	GSM 1 Tx slot	30.54	30.67	30.64	31.00		22.51	22.61	22.54	22.98
	EDGE 1 Tx slot	24.68	24.67	24.44	25.20					
	EDGE 1 Tx slot	30.48	30.64	30.76	31.00		22.47	22.58	22.66	22.98
DTM Multi-slot class 11	GSM 1 Tx slot	28.24	28.30	28.02	29.20		21.48	21.47	21.24	22.22
	EDGE 2 Tx slots	23.61	23.48	23.34	24.00					

GSM1900_ANT 2		Burst Average Power (dBm)			Tune-up		Frame-Average Power (dBm)			Tune-up
TX Channel		512	661	810	Limit		512	661	810	Limit
Frequency (MHz)		1850.2	1880	1909.8	(dBm)		1850.2	1900	1909.8	(dBm)
GSM 1 Tx slot		24.68	24.71	24.51	25.50		15.68	15.71	15.51	16.50
	GPRS/EDGE(GMSK) 1 Tx slot	24.91	24.69	24.54	25.50		15.91	15.69	15.54	16.50
	GPRS/EDGE(GMSK) 2 Tx slots	21.58	21.42	21.20	22.60		15.58	15.42	15.20	16.50
	GPRS/EDGE(GMSK) 3 Tx slots	19.83	19.67	19.45	20.70		15.57	15.41	15.19	16.44
	GPRS/EDGE(GMSK) 4 Tx slots	19.45	18.65	18.17	19.90		15.45	15.65	15.17	16.50
EDGE 1 Tx slot		20.58	20.44	20.52	21.00		11.58	11.44	11.52	12.00
	EDGE 2 Tx slots	17.95	17.96	17.99	19.70		11.95	11.96	11.99	13.70
	EDGE 3 Tx slots	15.99	15.84	15.68	17.50		11.73	11.58	11.42	13.24
EDGE 4 Tx slots		14.77	14.65	14.74	16.90		11.77	11.65	11.74	13.50
	DTM Multi-slot class 5	21.86	21.71	21.48	22.50		15.80	15.75	15.54	16.48
DTM Multi-slot class 9	GPRS 1 Tx slot	21.79	21.83	21.63	22.50					
	GPRS 1 Tx slot	21.90	21.65	21.62	22.60		15.84	15.71	15.53	16.48
	GPRS 1 Tx slot	21.63	21.61	21.49	22.60					
DTM Multi-slot class 11	GSM 1 Tx slot	20.48	20.02	20.15	20.70		16.08	15.77	15.73	16.44
	GPRS 2 Tx slots	20.27	20.03	19.91	20.70					
	GSM 1 Tx slot	21.84	21.81	21.50	22.60		14.26	14.22	13.96	15.30
DTM Multi-slot class 5	EDGE 1 Tx slot	17.63	17.77	17.62	19.70					
	GSM 1 Tx slot	21.91	21.89	21.79	22.60		14.28	14.29	14.18	15.30
	EDGE 1 Tx slot	17.72	17.79	17.65	19.70					
DTM Multi-slot class 11	GSM 1 Tx slot	26.32	16.91	16.92	26.70		13.46	13.28	13.31	14.59
	EDGE 2 Tx slots	15.44	15.57	15.63	17.50					

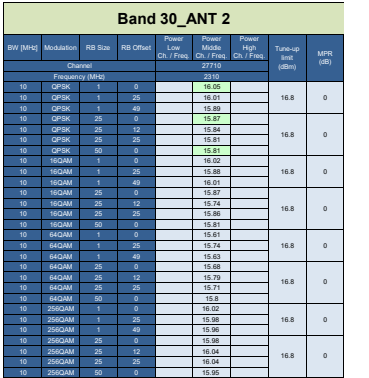
Band		WCDMA II_ ANT 2			Tune-up		WCDMA IV_ ANT 2			Tune-up		WCDMA V_ ANT 0			Tune-up
TX Channel		9682	9800	9938	Limit		1312	1413	1613	Limit		4152	4162	4293	Limit
Frequency (MHz)		1852.4	1880	1909.8	(dBm)		1312.4	1323.8	1323.8	(dBm)		4357	4407	4468	(dBm)
3GPP Rel 99	AMR 12.2kbps	16.83	16.93	16.83	17.50		17.28	17.43	17.19	18.00		22.05	22.11	21.99	23.00
	AMR 12.2kbps	17.02	17.08	17.03	17.50		17.44	17.52	17.36	18.00		22.04	22.17	22.08	23.00
3GPP Rel 6	HSDPA Subtest-1	15.93	15.99	16.01	16.80		16.64	16.73	16.62	17.00		20.88	20.84	20.84	22.00
	HSDPA Subtest-2	16.00	15.87	15.95	16.50		16.67	16.74	16.62	17.00		20.96	20.95	20.91	22.00
3GPP Rel 6	HSDPA Subtest-3	15.34	15.49	15.47	16.00		16.10	16.28	16.05	16.50		20.44	20.41	20.41	21.50
	HSDPA Subtest-4	15.46	15.47	15.47	16.00		16.16	16.24	16.16	16.50		20.46	20.40	20.25	21.50
3GPP Rel 6	DC-HSDPA Subtest-1	15.76	15.84	15.80	16.80		16.61	16.68	16.52	17.00		20.80	20.72	20.78	22.00
	DC-HSDPA Subtest-2	15.82	15.86	15.98	16.50		16.46	16.64	16.51	17.00		20.71	20.82	20.81	22.00
3GPP Rel 6	DC-HSDPA Subtest-3	15.37	15.34	15.30	16.00		15.94	16.17	15.97	16.50		20.24	20.19	20.33	21.50
	DC-HSDPA Subtest-4	15.34	15.36	15.25	16.00		15.99	16.04	16.00	16.50		20.25	20.35	20.11	21.50
3GPP Rel 6	HSUPA Subtest-1	16.04	15.90	16.04	16.50		16.61	16.72	16.50	17.00		20.86	20.97	20.83	22.00
	HSUPA Subtest-2	13.34	13.92	13.90	14.50		12.60	12.65	12.50	13.00		18.86	18.86	18.88	20.00
3GPP Rel 6	HSUPA Subtest-3	14.97	14.91	15.09	15.50		13.61	13.84	13.65	14.00		19.80	19.99	19.89	21.00
	HSUPA Subtest-4	14.07	14.02	13.89	14.50		12.73	12.62	12.58	13.00		18.79	18.99	18.83	20.00
3GPP Rel 6	HSUPA Subtest-5	16.01	16.09	15.96	16.50		16.76	16.59	16.63	17.00		20.69	20.74	20.61	22.00
	HSPA+ (100AM) Subtest-1	12.41	12.41	12.41	13.50		13.33	13.29	13.09	14.00		18.19	18.39	18.23	20.00



	Frequency (MHz)		17115	17460	17785		Time (s)
3	QPSK	1	0	17.53	17.55	17.60	
3	QPSK	1	14	17.42	17.45	17.45	18.5
3	QPSK	1	14	17.36	17.38	17.39	
3	QPSK	8	0	17.4	17.40	17.40	
3	QPSK	8	7	17.39	17.45	17.45	18.5
3	QPSK	8	7	17.35	17.27	17.35	
3	QPSK	15	0	17.39	17.39	17.38	
3	QPSK	15	13	17.33	17.23	17.22	
3	QPSK	1	8	17.28	17.31	17.37	18.5
3	QPSK	1	14	17.42	17.44	17.45	
3	QPSK	8	7	17.39	17.39	17.39	
3	QPSK	8	4	17.37	17.42	17.43	
3	QPSK	8	2	17.3	17.37	17.4	18.5
3	QPSK	8	1	17.3	17.3	17.28	
3	QPSK	1	0	17.32	17.36	17.37	
3	QPSK	1	0	17.4	17.43	17.45	18.5
3	QPSK	1	14	17.38	17.3	17.3	
3	QPSK	8	0	17.39	17.41	17.41	
3	QPSK	8	2	17.34	17.31	17.34	
3	QPSK	8	1	17.31	17.28	17.31	18.5
3	QPSK	16	0	17.39	17.41	17.41	
3	QPSK	16	1	17.37	17.41	17.41	
3	QPSK	16	1	17.34	17.28	17.37	18.5
3	QPSK	1	14	17.32	17.36	17.51	
3	QPSK	8	7	17.41	17.41	17.38	
3	QPSK	8	4	17.28	17.25	17.43	18.5
3	QPSK	8	7	17.33	17.35	17.34	
3	QPSK	8	7	17.33	17.33	17.33	
Channel			131975	132025	132036	Turn-up	Time (s)

3	Frequency (MHz)	1711.5	1745	1771.5			
3	QPSK 1	24.21	24.24	24.26			
3	QPSK 1	24.31	24.31	24.32	20	0	
3	QPSK 1	14	24.07	24.08			
3	QPSK 1	24.17	24.17	24.03			
3	QPSK 1	24.14	24.11	24.07	24	1	
3	QPSK 16	0	23.2	23.19	23.06		
3	QPSK 1	23.04	22.87	22.87			
3	QPSK 1	8	22.61	22.74	22.81	24	1
3	QPSK 1	14	22.6	22.72	22.85		
3	QPSK 1	22.11	22.11	22.12			
3	QPSK 1	4	22.02	22.17	22.25		
3	QPSK 1	7	21.96	22.05	21.98		
3	QPSK 1	18	22.02	22.02	22.02	23	2
3	QPSK 0	15	22.15	22.23	22.29		
3	QPSK 0	22.23	22.24	22.21			
3	QPSK 14	22.18	22.18	22.03			
3	QPSK 0	0	21.02	21.08	21.11		
3	QPSK 0	4	21.12	21.13	21.06		
3	QPSK 0	1	20.9	20.9	20.93	22	
3	QPSK 16	0	21.12	21.17	21.09		
3	QPSK 0	18	19.86	19.86	19.86		
3	QPSK 0	8	19.86	19.91	19.82	20	5
3	QPSK 0	14	19.03	19.03	19.01		
3	QPSK 0	17	19.07	19.07	19.04		
3	QPSK 0	4	19.05	19.11	19.14	20	5
3	QPSK 0	7	19.07	19.08	19.04		
3	QPSK 0	18	19.12	19.12	19.05		
Channel		19.1379	19.2322	19.3265	Turn-up	Time	

	Frequency(%)	1711.5	1740	1776.5	(dB)
3 QPSK	1	0	22.25	22.25	
3 QPSK	8	0	22.25	22.25	23
3 QPSK	1	14	20.18	22.04	22.25
3 QPSK	8	0	22.27	22.31	22.63
3 QPSK	8	7	22.10	22.12	22.18
3 QPSK	8	7	22.13	22.15	22.18
3 QPSK	15	0	22.14	22.21	22.26
3 HQM	1	1	21.97	21.98	21.73
3 HQM	1	8	21.83	21.8	21.77
3 HQM	1	14	21.84	21.81	21.63
3 HQM	8	7	21.92	21.9	21.93
3 HQM	8	4	21.12	21.03	21.03
3 HQM	8	7	21.15	21.13	21.07
3 HQM	15	0	21.14	21.15	21.15
3 HQM	1	8	21.18	21.23	21.11
3 HQM	1	8	21.32	21.28	21.26
3 HQM	1	14	21.3	21.25	21.21
3 HQM	8	0	20.13	20.11	20.09
3 HQM	8	0	20.11	20.17	20.03
3 HQM	8	0	20.12	20.12	20.06
3 HQM	15	0	20.13	20.13	19.92
3 HQM	15	0	19.88	19.88	19.88
3 JSSGM	1	8	18.24	18.19	17.95
3 JSSGM	1	14	18.17	18.06	18.06
3 JSSGM	8	8	18.18	18.06	18.06
3 JSSGM	8	8	18.08	18.11	17.90
3 JSSGM	8	7	18.23	18.02	17.97
3 JSSGM	8	7	18.11	18.06	17.96
Channel		3.9379	3.9252	3.9365	Time (s)
					(μs)



Channel		27665	27710	27736	Turn-on Time (ms)	RPR (dB)		
S	Freq (MHz)	2012.2	2012.3	2012.5				
5	QPSK	0	15.56	15.56	16.8	0		
5	QPSK	1	12	15.9	15.9	16.8	0	
5	QPSK	1	24	15.94	15.96	15.87		
5	QPSK	1	36	15.96	15.98	15.82		
5	QPSK	12	7	15.72	15.72	15.72	16.8	0
5	QPSK	12	13	15.74	15.73	15.74		
5	QPSK	12	19	15.74	15.74	15.77		
5	QPSK	1	0	15.93	15.92	15.89		
5	QPSK	1	12	15.82	15.86	15.85	16.8	0
5	QPSK	1	24	15.89	15.89	15.85		
5	QPSK	12	7	15.81	15.81	15.84		
5	QPSK	12	7	15.76	15.77	15.63	16.8	0
5	QPSK	12	13	15.78	15.82	15.75		
5	QPSK	20	0	15.76	15.18	15.74		
5	QPSK	1	0	15.54	15.53	15.51		
5	QPSK	1	0	15.63	15.63	15.63	16.8	0
5	QPSK	1	24	15.15	15.49	15.51		
5	QPSK	12	0	15.61	15.62	15.62		
5	QPSK	12	7	15.74	15.73	15.72		
5	QPSK	12	13	15.67	15.67	15.67	16.8	0
5	QPSK	20	0	15.79	15.74	15.72		
5	QPSK	1	0	15.83	15.82	15.84		
5	QPSK	1	12	15.85	15.85	15.87	16.8	0
5	QPSK	1	24	15.86	15.91	15.83		
5	QPSK	12	7	15.88	15.88	15.88		
5	QPSK	12	7	15.95	15.95	15.93		
5	QPSK	12	13	15.88	15.86	15.84	16.8	0

Band 66 ANT 2								
Site (MMS)	Modulation	Channel	RF Ch. ID	Power Low (dBm)	Power High (dBm)	Power Frac (dBm)	Turnup and Hold	LOPs (dB)
Frequency (MHz)				1740	1746	1750		
QPSK	1	46		15.83	16.01	15.89	17	0
QPSK	1	46		15.83	15.96	15.87		
QPSK	1	50		15.83	15.96	15.87		
QPSK	50	24		15.79	15.83	15.73	17	0
QPSK	50	24		15.77	15.81	15.79		
QPSK	50	24		15.77	15.81	15.79		
QPSK	1	0		15.89	15.93	15.81		
QPSK	1	0		15.89	15.93	15.81		
QPSK	1	46		15.71	15.84	15.84		
QPSK	50	0		15.93	16.01	15.94		
QPSK	50	50		15.83	15.96	15.87		
QPSK	50	50		15.75	15.92	15.82		
QPSK	50	50		15.77	15.87	15.76		
QPSK	50	50		15.79	15.87	15.79		
QPSK	1	46		15.72	16	15.87	17	0
QPSK	50	24		15.79	15.83	15.76		
QPSK	50	0		15.8	15.97	15.79		
QPSK	50	24		15.86	15.79	15.72	17	0
QPSK	50	24		15.78	15.79	15.77		
QPSK	50	0		15.69	15.81	15.77		
QPSK	50	0		15.67	15.81	15.77		
QPSK	1	46		15.82	15.90	15.80		
QPSK	1	99		15.99	16.01	15.96		
QPSK	50	24		15.92	15.91	15.90		
QPSK	50	24		15.96	16.02	15.93	17	0
QPSK	50	0		15.92	15.92	15.93		
QPSK	50	0		15.92	15.93	15.93		

Channel		15002	15022	15032	Time-on-Air (min)	MW (dB)	
	Frequency (MHz)	1715	1745	1775			
10	QPSK 1	0	16.98	16.98			
10	QPSK 1	0	15.91	15.91	17	0	
10	QPSK 1	49	15.91	15.87	15.92		
10	QPSK 25	0	15.87	15.86	15.87		
10	QPSK 25	49	15.74	15.74	15.81		
10	QPSK 50	25	15.74	15.71	15.68		
10	QPSK 50	0	15.77	15.77	15.75		
10	QPSK 50	49	15.62	15.62	15.62		
10	QPSK 1	25	15.97	15.89	15.93		
10	QPSK 1	49	15.8	15.8	15.72		
10	QPSK 25	0	15.94	15.94	15.92		
10	QPSK 25	12	15.77	15.83	15.83		
10	QPSK 25	25	15.89	15.83	15.88		
10	QPSK 50	0	15.83	15.83	15.83		
10	QPSK 50	1	15.82	15.94	15.95		
10	QPSK 1	25	15.85	15.85	15.92	17	0
10	QPSK 49	0	15.84	15.79	15.76		
10	QPSK 49	0	15.96	15.96	15.95	15.92	
10	QPSK 50	12	15.72	15.7	15.74		
10	QPSK 50	25	15.75	15.7	15.74		
10	QPSK 50	0	15.74	15.75	15.8		
10	25QPSK 1	0	15.91	15.90	15.83		
10	25QPSK 1	49	15.88	15.88	15.88		
10	25QPSK 49	0	15.90	15.97	15.97	17	0
10	25QPSK 25	0	15.88	15.88	15.90		
10	25QPSK 25	49	15.93	15.93	15.93		
10	25QPSK 25	25	15.92	15.98	15.94	17	

10	25000	10	15	15.80	15.84	15.76		
	Frequency (MHz)			15.725	15.745	15.775	Time-step (ns)	(MHz diff)
5	QPSK	1	0	15.96	15.93	15.97		
5	QPSK	1	12	15.98	15.89	15.99	17	
5	QPSK	1	24	15.99	15.89	15.91		
5	QPSK	12	0	15.85	15.95	15.83		
5	QPSK	12	7	15.79	15.95	15.73	17	0
5	QPSK	12	14	15.80	15.8	15.8		
5	QPSK	25	0	15.83	15.81	15.79		
5	QPSK	1	0	15.91	15.84	15.78		
5	QPSK	1	12	15.91	15.87	15.89	17	0
5	QPSK	1	24	15.91	15.81	15.83		
5	QPSK	12	0	15.93	15.89	15.99		
5	QPSK	12	7	15.87	15.87	15.89	17	0
5	QPSK	12	14	15.89	15.79	15.8		
5	QPSK	25	0	15.78	15.82	15.83		
5	QPSK	1	0	15.91	15.81	15.83		
5	QPSK	1	12	15.99	15.97	15.98	17	0
5	QPSK	1	24	15.95	15.73	15.74		
5	QPSK	12	0	15.86	15.81	15.81		
5	QPSK	12	7	15.67	15.69	15.7	17	0
5	QPSK	12	14	15.78	15.76	15.73		
5	QPSK	12	21	15.78	15.76	15.72		
5	25000	1	0	15.87	15.79	15.75		
5	25000	1	12	15.80	15.79	15.84	17	0
5	25000	1	24	15.82	15.82	15.82		
5	25000	12	0	15.97	15.85	15.86		
5	25000	12	7	15.92	15.97	15.98	17	0
5	25000	12	14	15.93	15.93	15.93		

5	Chemical	191967	192222	150822	Turnover (%)	MFR (%)
6	Frequency (MHz)	15.75	15.75	15.75		
7	SPR1	15.80	15.91	16.03		
8	SPR2	15.92	15.92	15.93	17	
9	SPR3	15.91	15.9	15.93		
10	SPR4	15.97	15.94	15.94		
11	SPR5	15.87	15.78	15.83		
12	SPR6	15.71	15.66	15.74		
13	SPR7	15.74	15.74	15.73		
14	HQAM1	15.88	15.88	15.88		
15	HQAM2	15.94	15.98	15.98	17	0
16	HQAM3	15.74	15.74	15.73		
17	HQAM4	15.91	15.9	15.92		
18	HQAM5	15.89	15.78	15.83		
19	HQAM6	15.87	15.82	15.78	17	0
20	HQAM7	15.74	15.84	15.82		
21	HQAM8	15.94	15.82	15.88		
22	HQAM9	15.93	15.98	15.93	17	0
23	HQAM10	15.78	15.78	15.78		
24	HQAM11	15.94	15.91	15.93		
25	HQAM12	15.89	15.88	15.72		
26	HQAM13	15.77	15.75	15.75		
27	HQAM14	15.72	15.77	15.75		
28	HQAM15	15.84	15.77	15.81		
29	HQAM16	15.84	15.74	15.77		
30	HQAM17	15.93	15.94	15.92		
31	HQAM18	15.91	15.91	15.91		
32	HQAM19	15.93	15.86	15.95	17	

1.4	256QAM	3	3	15.95	15.95	15.85		
1.4	256QAM	6	0	15.87	15.78	15.68	17	0

Channel		190407	192322	193527	Turnup (m)	(km)
19	Frequency (MHz)	24.16	24.18	24.19		
19	QPSK -1	37	24.16	24.09	24.11	25
19	QPSK -1	74	24.07	24.01	24.08	
19	QPSK -8	36	23.13	23.15	23.17	
19	QPSK -8	36	23.18	23.08	23.11	
19	QPSK -36	36	23.13	23.09	23.15	24
19	QPSK -36	36	23.13	23.13	23.13	
19	HOAM -1	0	22.73	22.83	22.89	
19	HOAM -1	37	22.66	22.75	22.89	
19	HOAM -1	37	22.67	22.83	22.89	24
19	HOAM -36	0	22.08	22.13	21.96	
19	HOAM -36	20	22.08	22.13	21.96	
19	HOAM -36	20	22.01	22.02	22.01	
19	HOAM -75	0	21.96	22.09	21.95	23
19	HOAM -75	0	22.17	22.18	22.05	
19	HOAM -75	37	22.23	22.28	22.22	
19	HOAM -75	74	22.12	22.15	22.11	
19	HOAM -36	0	21.03	21.11	21.05	22
19	HOAM -36	36	21.10	21.11	21.06	
19	HOAM -36	36	21.03	21.02	20.93	
19	HOAM -75	0	21.09	21.22	21.11	
19	SSBAM -1	37	19.00	19.00	18.87	20
19	SSBAM -1	74	18.88	18.86	18.87	
19	SSBAM -1	36	19.13	19.11	19.05	
19	SSBAM -36	36	19.10	19.10	19.09	
19	SSBAM -36	36	19.12	19.07	19.05	20
19	SSBAM -36	36	19.10	19.10	19.05	

10	SSGMM	10	0	19.15	19.13	19.15			
				19.12	19.14	19.17			
				Frequency (MHz)			Start time	End time	Units
5	QPRK	1	0	24.19	24.15	24.15			
5	QPRK	1	12	24.22	24.05	24.08			
5	QPRK	1	24	24.24	24.05	24.08			
5	QPRK	12	0	23.13	23.15	23.21			
5	QPRK	12	7	23.16	23.15	23.21			
5	QPRK	12	14	23.18	23.15	23.21			
5	QPRK	25	0	23.11	23.11	23.28			
5	NGMM	1	0	22.76	22.62	22.75			
5	NGMM	1	12	22.78	22.65	22.75			
5	NGMM	1	24	22.69	22.84	22.87			
5	NGMM	12	0	22.67	22.66	21.87			
5	NGMM	12	7	22.67	22.19	21.87			
5	NGMM	12	13	21.96	22.07	21.83			
5	NGMM	25	0	22.63	22.66	22.27			
5	NGMM	25	7	22.68	22.14	21.81			
5	NGMM	1	12	22.28	22.28	22.18			
5	NGMM	1	24	22.12	22.12	22.05			
5	NGMM	12	0	21.69	21.69	21.69			
5	NGMM	12	7	21.69	21.69	21.69			
5	NGMM	12	13	21.64	21.66	20.88			
5	NGMM	25	0	21.65	21.27	21.11			
5	SSGMM	1	6	18.88	18.94	18.85			
5	SSGMM	1	12	18.89	18.86	18.83			
5	SSGMM	1	24	18.88	18.88	18.87			
5	SSGMM	12	0	19.13	19.14	19.15			
5	SSGMM	12	7	19.13	19.12	19.13			

5	SSGMM	10	0	19.06	19.4	19.61		
		Channel		19.999	19.992	19.987	Timezone (hrs)	(MPS)
3	QPKR	1	8	24.21	24.23	24.15		
3	QPKR	1	8	24.21	24.23	24.15		
3	QPKR	1	14	24.09	24.07	24.08		
3	QPKR	8	7	23.14	23.18	23.18		
3	QPKR	8	4	23.14	23.21	23.03		
3	QPKR	8	7	23.18	23.02	23.06		
15	QPKR	8	7	23.14	23.19	23.08		
1	HGM1	1	0	22.81	22.87	22.86		
1	HGM1	8	8	22.61	22.74	22.81		
1	HGM1	8	0	22.62	22.77	22.77		
1	HGM1	8	0	22.08	22.11	22.05		
1	HGM1	8	4	22.02	22.17	22.03		
1	HGM1	8	0	21.60	22.05	22.05		
1	HGM1	10	0	22.04	22.02	22.11		
1	HGM1	1	0	22.15	22.23	22.08		
1	HGM1	2	1	22.23	22.24	22.23		
1	HGM1	1	14	22.15	22.18	22.03		
1	HGM1	8	0	21.02	21.08	21.11		
1	HGM1	8	0	21.12	21.13	21.13		
1	HGM1	8	7	21.06	21.1	20.38		
1	HGM1	10	0	21.12	21.17	20.38		
1	SSGMM	1	0	19.00	18.80	18.80		
1	SSGMM	1	8	18.09	19.11	18.52		
1	SSGMM	1	14	18.09	18.90	18.91		
1	SSGMM	8	0	19.07	19.07	19.07		
1	SSGMM	8	4	19.09	19.11	19.14		

3	2550MHz	8	7	18.07	18.00	18.04		
3	2550MHz	8	7	18.07	18.00	18.04		
3	2550MHz	8	7	18.07	18.00	18.04		
Channel								
Frequency (MHz)								
1	QPSK	1	0	24.14	24.24	24.13		
1	QPSK	1	0	24.18	24.1	24.28		
1	QPSK	1	0	24.07	24.08	24.188		
1	QPSK	1	0	24.2	24.2	24.01	25	0
1	QPSK	1	0	24.1	24.18	24.11		
1	QPSK	3	0	24.17	24.17	24.16		
1	QPSK	6	0	23.17	23.17	23.15	25	0
1	QPSK	3	0	23.27	23.02	23.11		
1	QPSK	1	0	22.67	22.73	22.87		
1	QPSK	1	0	22.72	22.72	22.74	25	0
1	QPSK	1	0	22.90	22.90	22.83		
1	QPSK	1	1	22.96	22.98	22.96		
1	QPSK	3	0	23.97	23.08	23.04		
1	QPSK	3	0	22.1	22.04	22.11		
1	QPSK	1	0	22.08	22.13	22.21		
1	QPSK	1	0	22.2	22.23	22.23		
1	QPSK	1	0	22.13	22.1	22.1	25	0
1	QPSK	1	0	22.1	22.12	22.11		
1	QPSK	1	1	22.1	22.11	22.11		
1	QPSK	1	0	22.07	22.07	22.03		
1	QPSK	1	0	21.22	21.18	21.14	25	0
1	25GQAM	1	0	18.02	18.05	18.78		
1	25GQAM	1	0	18.01	18.00	18.00		
1	25GQAM	1	0	18.07	18.00	18.00		
1	25GQAM	3	0	18.06	18.07	18.04	25	0
1	25GQAM	1	0	18.06	18.00	18.00		

1.4	25GQIM	3	3	19.12	19.05	19.05		
1.4	25AQIM	6	0	19.08	19.19	19.05	25	0

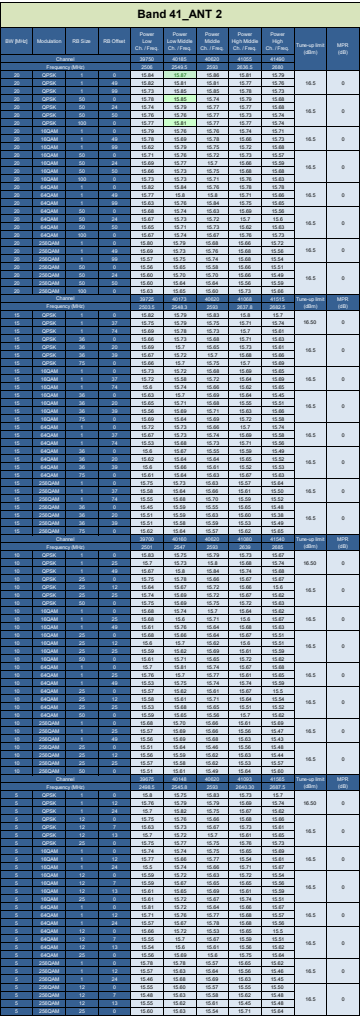
Ch		13047	13052	13057	Time on line (s)	MP (s)
Frequency (MHz)		13047	13052	13057		
16	QPRK	37	22.25	22.25	0	
16	QPRK	1	27	22.25		
16	QPRK	1	74	22.19		
16	QPRK	36	22.24	22.27		
16	QPRK	36	22.17	22.13		
16	QPRK	36	22.13	22.05	0	
16	QPRK	36	22.13	22.05		
16	QPRK	75	22.09	22.13		
16	160M41	1	22.02	21.96		
16	160M41	1	37	21.89		
16	160M41	1	21.85	21.84	0	
16	160M41	36	21.83	21.88		
16	160M41	36	21.83	21.82		
16	160M41	36	21.83	21.83		
16	160M41	36	21.11	21.08		
16	160M41	75	0	21.11	22	1
16	640M41	1	21.21	21.25		
16	640M41	1	21.23	21.25		
16	640M41	1	21.25	21.25		
16	640M41	1	74	21.24		
16	640M41	36	0	20.22	21	2
16	640M41	36	20.15	20.16		
16	640M41	36	20.15	20.15		
16	640M41	36	20.13	20.04		
16	640M41	75	0	20.25		
16	250M41	36	18.16	17.87	19	4
16	250M41	1	74	18.17		
16	250M41	1	74	18.16		
16	250M41	36	18.16	18.01		
16	250M41	36	18.15	18.01		
16	250M41	36	18.15	18.01	19	4
16	250M41	36	18.15	18.01		
16	250M41	36	18.15	18.01		
16	250M41	36	18.15	18.01		
16	250M41	36	18.15	18.01		

Obs		15005	15202	15362	Initial freq	MPE (dB)
Frequency (MHz)		1515	1746	1753		
10	QPRK	1	0	22.23	22.27	22.24
10	QPRK	1	25	22.37	22.31	22.33
10	QPRK	1	49	22.51	22.41	22.21
10	QPRK	25	0	22.27	22.23	22.1
10	QPRK	25	25	22.22	22.19	22.15
10	QPRK	25	25	22.17	22.08	22.1
10	QPRK	50	0	22.02	21.91	21.76
10	16QAM	1	25	21.83	21.73	22.13
10	16QAM	1	49	21.8	21.82	21.87
10	16QAM	25	0	21.68	21.11	21.68
10	16QAM	25	12	21.5	21.32	21.68
10	16QAM	25	25	21.48	21.02	20.93
10	16QAM	50	0	21.35	21.13	21.14
10	64QAM	1	0	21.18	21.26	21.1
10	64QAM	1	25	21.38	21.3	21.29
10	64QAM	1	49	21.32	21.3	21.29
10	64QAM	25	0	20.92	20.55	20.09
10	64QAM	25	12	20.62	20.08	19.97
10	64QAM	25	25	20.18	20.08	19.97
10	64QAM	50	0	20.1	20.08	19.91
10	256QAM	1	0	18.64	17.97	17.99
10	256QAM	1	25	18.44	18.1	18.14
10	256QAM	1	49	18.14	18.13	18.09
10	256QAM	25	0	18.16	18.17	18.03
10	256QAM	25	12	18.03	18.04	18.09
10	256QAM	25	25	18.22	18.09	17.95

5	Channel	0	10	18	25	18.04		
	Frequency (MHz)	0	22.21	22.25	22.21		Turn-on time	MPD (%)
3	QPRK	1	0	22.23	22.25	22.25	23	0
3	QPRK	1	8	22.33	22.2	22.21		
3	QPRK	1	14	22.16	22.24	22.25		
3	QPRK	1	20	22.27	22.31	22.33		
3	QPRK	8	4	22.15	22.2	22.18		
3	QPRK	8	7	22.13	22.15	22.18		
3	QPRK	16	2	22.14	22.21	22.18		
3	16QAM	1	0	21.88	21.88	21.88		
3	16QAM	1	8	21.63	21.8	21.77		
3	16QAM	1	14	21.88	21.8	21.88		
3	16QAM	8	0	21.82	21.15	21.15		
3	16QAM	8	4	21.12	21.03	21.03		
3	16QAM	8	7	21.15	21.13	21.13		
3	16QAM	15	0	21.04	21.15	21.07		
3	64QAM	1	0	21.18	21.23	21.21		
3	64QAM	1	2	21.32	21.28	21.28		
3	64QAM	1	14	21.3	21.25	21.21		
3	64QAM	8	0	20.13	20.11	20.09		
3	64QAM	8	7	20.11	20.17	20.03		
3	64QAM	8	7	20.13	20.02	20.05		
3	256QAM	1	0	20.13	20.15	19.92		
3	256QAM	1	14	19.95	17.96	18.93		
3	256QAM	8	8	18.24	18.19	17.95		
3	256QAM	1	14	18.17	18.06	18.06		
3	256QAM	8	14	18.05	18.18	18.10		
3	256QAM	8	4	18.09	18.11	17.99		

3	256QAM	8	7	18.21	18.02	17.87		
3	256QAM	8	7	18.21	18.11	18.02		
Channel				19.076	19.022	18.966	Totals (dB)	APR (dB)
Frequency (MHz)				22.02	22.04	22.06		
1.4	QPSK	1	5	22.02	22.02	22.03		
1.4	QPSK	1	5	22.02	22.03	22.04		
1.4	QPSK	1	5	22.01	22.02	22.03		
1.4	QPSK	3	9	22.02	22.04	22.06	23	0
1.4	QPSK	3	9	22.03	22.05	22.07		
1.4	QPSK	3	3	22.02	22.06	22.12		
1.4	QPSK	6	0	22.15	22.03	22.15		
1.4	QPSK	3	9	21.98	22.01	22.03		
1.4	16QAM	3	9	21.98	21.85	21.87		
1.4	16QAM	3	9	21.86	21.82	21.87		
1.4	16QAM	3	9	21.96	21.84	21.86	23	0
1.4	16QAM	3	9	21.96	21.86	21.89		
1.4	16QAM	3	3	21.83	21.86	21.69		
1.4	16QAM	3	9	21.11	21.08	21.01		
1.4	64QAM	1	0	21.24	21.21	21.21		
1.4	64QAM	1	3	21.34	21.34	21.25		
1.4	64QAM	1	3	21.31	21.25	21.12		
1.4	64QAM	3	9	21.02	20.98	20.84	23	0
1.4	64QAM	3	9	20.84	20.99	20.75		
1.4	64QAM	3	3	20.83	20.9	20.76		
1.4	64QAM	6	0	20.14	20.11	19.99		
1.4	256QAM	1	0	18.06	17.97	17.95		
1.4	256QAM	1	0	18.17	18.10	18.04		
1.4	256QAM	1	0	18.13	18.07	17.98		
1.4	256QAM	3	0	18.12	18.17	18.09		
1.4	256QAM	3	0	18.08	18.09	18.12		

1-4	256QAM	3	3	18.13	18.12	17.95	23	0
1-4	256QAM	6	0	18.15	18.08	18.03		



Band 41 HPUE ANT 2												
RF Path	Modulation	FE Size	FE Offset	Time Slot (Start/End)	Sub-Carrier Offset (MHz)	Sub-Carrier Width (MHz)	Sub-Carrier Center (MHz)	Sub-Carrier High Edge (MHz)	Sub-Carrier Low Edge (MHz)	Time Slot Start (MHz)	Time Slot End (MHz)	Notes
PROPOSED	QPSK	100	0	17.11	17.11	0.00	17.11	17.12	17.10	17.10	17.12	
PROPOSED	QPSK	100	0	17.13	17.14	0.01	17.13	17.15	17.12	17.12	17.15	REL 3
PROPOSED	QPSK	100	0	17.15	17.16	0.01	17.15	17.17	17.14	17.14	17.17	
PROPOSED	QPSK	100	0	17.17	17.21	0.04	17.19	17.23	17.16	17.16	17.23	
PROPOSED	QPSK	100	0	17.23	17.24	0.01	17.23	17.25	17.22	17.22	17.25	REL 3
PROPOSED	QPSK	100	0	17.25	17.28	0.03	17.26	17.30	17.23	17.23	17.30	
PROPOSED	QPSK	100	0	17.30	17.31	0.01	17.30	17.32	17.29	17.29	17.32	
PROPOSED	QPSK	100	0	17.32	17.33	0.01	17.32	17.34	17.31	17.31	17.34	REL 3
PROPOSED	QPSK	100	0	17.34	17.35	0.01	17.34	17.36	17.33	17.33	17.36	
PROPOSED	QPSK	100	0	17.36	17.37	0.01	17.36	17.38	17.35	17.35	17.38	REL 3
PROPOSED	QPSK	100	0	17.38	17.40	0.02	17.39	17.42	17.36	17.36	17.42	
PROPOSED	QPSK	100	0	17.42	17.43	0.01	17.42	17.44	17.41	17.41	17.44	REL 3
PROPOSED	QPSK	100	0	17.44	17.45	0.01	17.44	17.46	17.43	17.43	17.46	
PROPOSED	QPSK	100	0	17.46	17.47	0.01	17.46	17.48	17.45	17.45	17.48	REL 3
PROPOSED	QPSK	100	0	17.48	17.49	0.01	17.48	17.50	17.47	17.47	17.50	
PROPOSED	QPSK	100	0	17.50	17.51	0.01	17.50	17.52	17.49	17.49	17.52	REL 3
PROPOSED	QPSK	100	0	17.52	17.54	0.02	17.53	17.56	17.50	17.50	17.56	
PROPOSED	QPSK	100	0	17.56	17.57	0.01	17.56	17.58	17.55	17.55	17.58	REL 3
PROPOSED	QPSK	100	0	17.58	17.59	0.01	17.58	17.60	17.57	17.57	17.60	
PROPOSED	QPSK	100	0	17.60	17.61	0.01	17.60	17.62	17.59	17.59	17.62	REL 3
PROPOSED	QPSK	100	0	17.62	17.63	0.01	17.62	17.64	17.61	17.61	17.64	
PROPOSED	QPSK	100	0	17.64	17.65	0.01	17.64	17.66	17.63	17.63	17.66	REL 3
PROPOSED	QPSK	100	0	17.66	17.67	0.01	17.66	17.68	17.65	17.65	17.68	
PROPOSED	QPSK	100	0	17.68	17.69	0.01	17.68	17.70	17.67	17.67	17.70	REL 3
PROPOSED	QPSK	100	0	17.70	17.71	0.01	17.70	17.72	17.69	17.69	17.72	
PROPOSED	QPSK	100	0	17.72	17.73	0.01	17.72	17.74	17.71	17.71	17.74	REL 3
PROPOSED	QPSK	100	0	17.74	17.75	0.01	17.74	17.76	17.73	17.73	17.76	
PROPOSED	QPSK	100	0	17.76	17.77	0.01	17.76	17.78	17.75	17.75	17.78	REL 3
PROPOSED	QPSK	100	0	17.78	17.79	0.01	17.78	17.80	17.77	17.77	17.80	
PROPOSED	QPSK	100	0	17.80	17.81	0.01	17.80	17.82	17.79	17.79	17.82	REL 3
PROPOSED	QPSK	100	0	17.82	17.83	0.01	17.82	17.84	17.81	17.81	17.84	
PROPOSED	QPSK	100	0	17.84	17.85	0.01	17.84	17.86	17.83	17.83	17.86	REL 3
PROPOSED	QPSK	100	0	17.86	17.87	0.01	17.86	17.88	17.85	17.85	17.88	

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Reduced Power for DSI17

GSM900_ANT 1		Burst-Average Power (dBm)			Tune-up		Frame-Average Power (dBm)			Tune-up	
TX Channel		126	186	251	Limit		126	186	251	Limit	
Frequency (MHz)		854.2	858.4	868.8	(dBm)		854.2	858.4	868.8	(dBm)	
GSM 1 Tx slot		33.62	33.51	33.38	34.00		24.62	24.51	24.38	25.00	
GPRS/EDGE(GMSK) 1 Tx slot		33.61	33.49	33.37	34.00		24.61	24.49	24.37	25.00	
GPRS/EDGE(GMSK) 2 Tx slots		30.50	30.28	30.08	31.00		24.50	24.28	24.08	25.00	
GPRS/EDGE(GMSK) 3 Tx slots		28.63	28.45	28.18	29.20		24.37	24.19	23.92	24.94	
GPRS/EDGE(GMSK) 4 Tx slots		27.04	27.07	26.95	28.00		24.04	24.07	23.95	25.00	
EDGE 1 Tx slot		27.27	27.54	27.09	28.90		18.27	18.54	18.05	19.00	
EDGE 2 Tx slots		25.08	25.09	24.92	25.20		19.08	19.09	18.92	19.20	
EDGE 3 Tx slots		23.82	23.83	23.68	24.00		19.58	19.57	19.42	19.74	
EDGE 4 Tx slots		23.05	23.18	23.11	23.80		20.05	20.18	20.11	20.50	
DTM Multi-slot class 5	GSM 1 Tx slot	30.38	30.14	29.65	31.00		24.43	24.19	23.97	24.98	
	GPRS 1 Tx slot	30.52	30.28	30.04	31.00						
DTM Multi-slot class 9	GSM 1 Tx slot	30.34	30.29	30.05	31.00		24.40	24.22	24.04	24.98	
	GPRS 1 Tx slot	30.50	30.19	30.07	31.00						
DTM Multi-slot class 11	GSM 1 Tx slot	28.59	28.39	28.18	29.20		24.34	24.14	23.88	24.94	
	GPRS 2 Tx slots	28.81	28.41	28.12	29.20						
DTM Multi-slot class 5	GSM 1 Tx slot	30.53	30.32	30.12	31.00		22.53	22.36	22.17	22.98	
	EDGE 1 Tx slot	24.81	24.80	24.65	25.20						
DTM Multi-slot class 9	GSM 1 Tx slot	30.51	30.22	30.17	31.00		22.51	22.30	22.20	22.98	
	EDGE 1 Tx slot	24.77	24.88	24.60	25.20						
DTM Multi-slot class 11	GSM 1 Tx slot	28.68	28.55	28.27	29.20		21.70	21.62	21.40	22.22	
	EDGE 2 Tx slots	23.49	23.48	23.36	24.00						

GSM1900_ANT 3		Burst-Average Power (dBm)			Tune-up		Frame-Average Power (dBm)			Tune-up	
TX Channel		512	661	810	Limit		512	661	810	Limit	
Frequency (MHz)		1852.2	1860	1868.8	(dBm)		1852.2	1860	1868.8	(dBm)	
GSM 1 Tx slot		29.05	28.90	29.21	30.00		20.05	19.90	20.21	21.00	
GPRS/EDGE(GMSK) 1 Tx slot		29.21	29.06	29.23	30.00		20.21	20.06	20.23	21.00	
GPRS/EDGE(GMSK) 2 Tx slots		25.86	25.64	25.67	27.00		19.86	19.64	19.67	21.00	
GPRS/EDGE(GMSK) 3 Tx slots		24.09	23.75	23.68	25.20		19.63	19.49	19.62	20.94	
GPRS/EDGE(GMSK) 4 Tx slots		22.62	22.65	22.61	24.00		19.62	19.65	19.61	21.00	
EDGE 1 Tx slot		25.10	25.00	24.75	26.00		16.10	16.00	15.75	17.00	
EDGE 2 Tx slots		21.75	21.79	21.62	23.00		15.75	15.79	15.62	17.00	
EDGE 3 Tx slots		20.10	20.06	19.80	21.20		15.84	15.80	15.54	16.94	
EDGE 4 Tx slots		19.02	18.97	18.83	20.00		16.02	15.97	15.83	17.00	
DTM Multi-slot class 5	GSM 1 Tx slot	25.85	25.85	25.59	27.00		19.86	19.76	19.51	20.98	
	GPRS 1 Tx slot	25.92	25.71	25.46	27.00						
DTM Multi-slot class 9	GSM 1 Tx slot	25.81	25.65	25.42	27.00		19.81	19.60	19.44	20.98	
	GPRS 1 Tx slot	25.86	25.60	25.50	27.00						
DTM Multi-slot class 11	GSM 1 Tx slot	24.14	24.16	23.87	25.20		19.93	19.87	19.60	20.94	
	GPRS 2 Tx slots	24.22	24.11	23.86	25.20						
DTM Multi-slot class 5	GSM 1 Tx slot	25.78	25.74	25.72	27.00		18.19	18.09	18.05	19.42	
	EDGE 1 Tx slot	21.71	21.47	21.39	23.00						
DTM Multi-slot class 9	GSM 1 Tx slot	25.83	25.69	25.49	27.00		18.18	18.05	17.88	19.42	
	EDGE 1 Tx slot	21.96	21.47	21.36	23.00						
DTM Multi-slot class 11	GSM 1 Tx slot	24.06	24.18	23.88	25.20		17.42	17.44	17.16	18.71	
	EDGE 2 Tx slots	19.70	19.59	19.60	21.20						

Band		WCDMA R1 ANT 3			WCDMA R1 ANT 3			WCDMA V ANT 1			Tune-up Limit (dBm)
TX Channel		9262	9400	9538	1312	1413	1513	4132	4182	4233	
Rx Channel		9462	9600	9638	1537	1608	1748	4453	4467	4488	
Frequency (MHz)		1852.4	1880	1907.8	1712.4	1732.6	1752.6	826.4	836.4	846.8	
3GPP Rel 99 AMR 12.2Kbps		19.53	19.62	19.68	20.06	20.13	20.02	21.00	24.01	24.09	25.00
3GPP Rel 99 RMC 12.2Kbps		19.64	19.68	19.65	20.14	20.17	20.05	21.00	24.03	24.11	25.00
3GPP Rel 6 HSDPA Subtest-1		18.96	18.83	18.81	18.50	19.25	19.34	19.14	20.00	22.85	22.88
3GPP Rel 6 HSDPA Subtest-2		18.67	18.77	18.75	19.50	19.40	19.27	19.22	20.00	22.83	22.92
3GPP Rel 6 HSDPA Subtest-3		18.20	18.18	18.31	19.00	18.79	18.78	18.69	19.50	22.34	22.37
3GPP Rel 6 HSDPA Subtest-4		18.45	18.37	18.25	19.00	18.77	18.80	18.81	19.50	22.39	22.41
3GPP Rel 8 DC-HSDPA Subtest-1		18.67	18.59	18.67	19.50	19.26	19.29	19.02	20.00	22.77	22.82
3GPP Rel 8 DC-HSDPA Subtest-2		18.72	18.58	18.63	19.50	19.22	19.34	19.15	20.00	22.68	22.76
3GPP Rel 8 DC-HSDPA Subtest-3		18.20	18.29	18.06	19.00	18.64	18.81	18.58	19.50	22.28	22.31
3GPP Rel 8 DC-HSDPA Subtest-4		18.13	18.19	18.02	19.00	18.86	18.79	18.73	19.50	22.23	22.30
3GPP Rel 6 HSUPA Subtest-1		18.85	18.70	18.80	18.50	19.29	19.34	19.16	20.00	22.75	22.88
3GPP Rel 6 HSUPA Subtest-2		16.81	16.99	16.83	17.50	15.30	15.34	15.24	16.00	20.76	20.85
3GPP Rel 6 HSUPA Subtest-3		17.75	17.68	17.86	18.50	16.29	16.34	16.29	17.00	21.76	21.86
3GPP Rel 6 HSUPA Subtest-4		16.81	16.79	16.88	17.50	15.33	15.34	15.18	16.00	20.73	20.86
3GPP Rel 6 HSUPA Subtest-5		18.90	18.74	18.86	18.50	19.35	19.43	19.47	20.00	22.86	22.90
3GPP Rel 7 HSPA+ (16QAM) Subtest-1		15.70	15.69	15.78	16.50	16.25	16.36	16.31	17.00	21.10	21.20

Band 48_ANT 5									
SV ID	Modulation	FE ID	FE (MHz)	Carrier Freq. (MHz)	Sub-Carrier Freq. (MHz)	Channel Bandwidth (MHz)	Center Freq. (MHz)	Power Spectral Density (dBm/MHz)	Power Spectral Density (dBm/MHz)
Channel				Carrier Freq. (MHz)	Sub-Carrier Freq. (MHz)	Channel Bandwidth (MHz)	Center Freq. (MHz)	Power Spectral Density (dBm/MHz)	Power Spectral Density (dBm/MHz)
Frequency-MHz				Carrier Freq. (MHz)	Sub-Carrier Freq. (MHz)	Channel Bandwidth (MHz)	Center Freq. (MHz)	Power Spectral Density (dBm/MHz)	Power Spectral Density (dBm/MHz)
00	QPSK	00	00	117.0	117.0	18.0	117.0	-100.0	-100.0
01	QPSK	00	01	117.0	117.0	18.0	117.0	-100.0	-100.0
02	QPSK	00	02	117.0	117.0	18.0	117.0	-100.0	-100.0
03	QPSK	00	03	117.0	117.0	18.0	117.0	-100.0	-100.0
04	QPSK	00	04	117.0	117.0	18.0	117.0	-100.0	-100.0
05	QPSK	00	05	117.0	117.0	18.0	117.0	-100.0	-100.0
06	QPSK	00	06	117.0	117.0	18.0	117.0	-100.0	-100.0
07	QPSK	00	07	117.0	117.0	18.0	117.0	-100.0	-100.0
08	QPSK	00	08	117.0	117.0	18.0	117.0	-100.0	-100.0
09	QPSK	00	09	117.0	117.0	18.0	117.0	-100.0	-100.0
10	QPSK	00	10	117.0	117.0	18.0	117.0	-100.0	-100.0
11	QPSK	00	11	117.0	117.0	18.0	117.0	-100.0	-100.0
12	QPSK	00	12	117.0	117.0	18.0	117.0	-100.0	-100.0
13	QPSK	00	13	117.0	117.0	18.0	117.0	-100.0	-100.0
14	QPSK	00	14	117.0	117.0	18.0	117.0	-100.0	-100.0
15	QPSK	00	15	117.0	117.0	18.0	117.0	-100.0	-100.0
16	QPSK	00	16	117.0	117.0	18.0	117.0	-100.0	-100.0
17	QPSK	00	17	117.0	117.0	18.0	117.0	-100.0	-100.0
18	QPSK	00	18	117.0	117.0	18.0	117.0	-100.0	-100.0
19	QPSK	00	19	117.0	117.0	18.0	117.0	-100.0	-100.0
20	QPSK	00	20	117.0	117.0	18.0	117.0	-100.0	-100.0
21	QPSK	00	21	117.0	117.0	18.0	117.0	-100.0	-100.0
22	QPSK	00	22	117.0	117.0	18.0	117.0	-100.0	-100.0
23	QPSK	00	23	117.0	117.0	18.0	117.0	-100.0	-100.0
24	QPSK	00	24	117.0	117.0	18.0	117.0	-100.0	-100.0
25	QPSK	00	25	117.0	117.0	18.0	117.0	-100.0	-100.0
26	QPSK	00	26	117.0	117.0	18.0	117.0	-100.0	-100.0
27	QPSK	00	27	117.0	117.0	18.0	117.0	-100.0	-100.0
28	QPSK	00	28	117.0	117.0	18.0	117.0	-100.0	-100.0
29	QPSK	00	29	117.0	117.0	18.0	117.0	-100.0	-100.0
30	QPSK	00	30	117.0	117.0	18.0	117.0	-100.0	-100.0
31	QPSK	00	31	117.0	117.0	18.0	117.0	-100.0	-100.0
32	QPSK	00	32	117.0	117.0	18.0	117.0	-100.0	-100.0
33	QPSK	00	33	117.0	117.0	18.0	117.0	-100.0	-100.0
34	QPSK	00	34	117.0	117.0	18.0	117.0	-100.0	-100.0
35	QPSK	00	35	117.0	117.0	18.0	117.0	-100.0	-100.0
36	QPSK	00	36	117.0	117.0	18.0	117.0	-100.0	-100.0
37	QPSK	00	37	117.0	117.0	18.0	117.0	-100.0	-100.0
38	QPSK	00	38	117.0	117.0	18.0	117.0	-100.0	-100.0
39	QPSK	00	39	117.0	117.0	18.0			

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Reduced Power for DSI2

GSM650_ANT 1		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	198	251		128	198	251	
Frequency (MHz)		824.2	836.4	848.8	Limit (dBm)	824.2	836.4	848.8	Limit (dBm)
GSM 1 Tx slot		33.62	33.51	33.38		24.62	24.51	24.38	
GPRS/EDGE(GMSK) 1 Tx slot		33.61	33.49	33.37	34.00	24.61	24.49	24.37	25.00
GPRS/EDGE(GMSK) 2 Tx slots		30.50	30.29	30.08	31.00	24.50	24.29	24.08	25.00
GPRS/EDGE(GMSK) 3 Tx slots		28.63	28.45	28.18	29.20	24.37	24.19	23.92	24.94
GPRS/EDGE(GMSK) 4 Tx slots		27.04	27.07	26.96	28.00	24.04	24.07	23.95	25.00
EDGE 1 Tx slot		27.27	27.54	27.05	28.00	18.27	18.54	18.05	19.00
EDGE 2 Tx slots		25.08	25.09	24.92	25.20	19.08	19.09	18.92	19.20
EDGE 3 Tx slots		23.82	23.83	23.68	24.00	19.56	19.57	19.42	19.74
EDGE 4 Tx slots		23.05	23.18	23.11	23.90	20.05	20.18	20.11	20.50
DTM Multi-slot class 5	GSM 1 Tx slot	30.38	30.14	29.96	31.00	24.43	24.19	23.97	24.98
	GPRS 1 Tx slot	30.52	30.28	30.04	31.00				
DTM Multi-slot class 8	GSM 1 Tx slot	30.34	30.29	30.05	31.00	24.40	24.22	24.04	24.98
	GPRS 1 Tx slot	30.50	30.19	30.07	31.00				
DTM Multi-slot class 11	GSM 1 Tx slot	28.55	28.39	28.18	29.20	24.34	24.14	23.88	24.94
	GPRS 2 Tx slots	28.61	28.41	28.12	29.20				
DTM Multi-slot class 5	GSM 1 Tx slot	30.53	30.32	30.12	31.00	22.53	22.38	22.17	22.98
	EDGE 1 Tx slot	24.81	24.80	24.65	25.20				
DTM Multi-slot class 9	GSM 1 Tx slot	30.51	30.22	30.17	31.00	22.51	22.30	22.20	22.98
	EDGE 1 Tx slot	24.77	24.86	24.80	25.20				
DTM Multi-slot class 11	GSM 1 Tx slot	28.68	28.55	28.27	29.20	21.70	21.62	21.40	22.22
	EDGE 2 Tx slots	23.49	23.48	23.36	24.00				

Band		Tune-up Limit (dBm)	WCDMA V_ANT 1			Tune-up Limit (dBm)
TX Channel			4192	4182	4293	
Rx Channel			4397	4407	4498	
Frequency (MHz)			826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	22.00	24.01	24.09	24.00	25.00
3GPP Rel 99	RM 12.2Kbps	22.00	24.03	24.11	24.01	25.00
3GPP Rel 6	HSDPA Subtest-1	21.00	22.85	22.93	22.88	24.00
3GPP Rel 6	HSDPA Subtest-2	21.00	22.83	22.92	22.92	24.00
3GPP Rel 6	HSDPA Subtest-3	20.50	22.34	22.47	22.37	23.50
3GPP Rel 6	HSDPA Subtest-4	20.50	22.39	22.39	22.41	23.50
3GPP Rel 6	DC-HSDPA Subtest-1	21.00	22.77	22.82	22.82	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.00	22.68	22.76	22.76	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	20.50	22.28	22.38	22.31	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	20.50	22.23	22.30	22.30	23.50
3GPP Rel 6	HSUPA Subtest-1	21.00	22.75	22.88	22.88	24.00
3GPP Rel 6	HSUPA Subtest-2	17.00	20.76	20.85	20.84	22.00
3GPP Rel 6	HSUPA Subtest-3	18.00	21.76	21.86	21.81	23.00
3GPP Rel 6	HSUPA Subtest-4	17.00	20.73	20.88	20.83	22.00
3GPP Rel 6	HSUPA Subtest-5	21.00	22.80	22.90	22.90	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	18.00	21.10	21.20	21.10	22.00

Reduced Power for DS17/12

GSM850_ANT1		Burst Average Power (dbm)			Tune-up Limit (dbm)	Frame-Average Power (dbm)			Tune-up Limit (dbm)
TX Channel	Frequency (MHz)	128	189	251		128	189	251	
GSM 1 Tx slot	33.62	33.61	33.51	33.33	34.00	24.62	24.51	24.33	25.00
GPRS/EDGE(GMSK) 1 Tx slot	33.61	33.49	33.37	34.00	24.61	24.49	24.37	25.00	25.00
GPRS/EDGE(GMSK) 2 Tx slots	30.50	30.28	30.08	31.00	24.50	24.28	24.08	25.00	25.00
GPRS/EDGE(GMSK) 3 Tx slots	28.63	28.45	28.18	29.20	24.37	24.19	23.92	24.94	24.94
GPRS/EDGE(GMSK) 4 Tx slots	27.04	27.07	26.95	28.00	24.04	24.07	23.95	25.00	25.00
EDGE 1 Tx slot	27.27	27.54	27.05	28.00	18.27	18.54	18.05	19.00	19.00
EDGE 2 Tx slots	25.08	25.09	24.92	25.20	19.08	19.09	18.92	19.20	19.20
EDGE 3 Tx slots	23.62	23.83	23.68	24.00	19.56	19.57	19.42	19.74	19.74
EDGE 4 Tx slots	23.05	23.18	23.11	23.00	20.05	20.18	20.11	20.50	20.50
DTM Multi-slot class 5	GSM 1 Tx slot	30.38	30.14	29.95	31.00	24.43	24.19	23.97	24.98
DTM Multi-slot class 9	GPRS 1 Tx slot	30.52	30.28	30.04	31.00	24.40	24.22	24.04	24.98
DTM Multi-slot class 11	GSM 1 Tx slot	30.34	30.29	30.05	31.00	24.40	24.22	24.04	24.98
DTM Multi-slot class 5	GPRS 1 Tx slot	30.50	30.15	30.07	31.00	24.40	24.22	24.04	24.98
DTM Multi-slot class 9	GPRS 2 Tx slots	28.59	28.39	28.18	29.20	24.34	24.14	23.88	24.94
DTM Multi-slot class 11	GPRS 2 Tx slots	28.61	28.41	28.12	29.20	24.34	24.14	23.88	24.94
DTM Multi-slot class 5	EDGE 1 Tx slot	30.53	30.32	30.12	31.00	22.53	22.36	22.17	22.98
DTM Multi-slot class 9	EDGE 1 Tx slot	24.81	24.80	24.65	25.20	22.53	22.36	22.17	22.98
DTM Multi-slot class 11	GSM 1 Tx slot	30.51	30.22	30.17	31.00	22.51	22.30	22.20	22.98
DTM Multi-slot class 5	EDGE 1 Tx slot	24.77	24.86	24.60	25.20	22.51	22.30	22.20	22.98
DTM Multi-slot class 9	GSM 1 Tx slot	23.68	23.55	23.27	23.20	21.70	21.62	21.40	22.22
DTM Multi-slot class 11	EDGE 2 Tx slots	23.49	23.48	23.36	24.00	21.70	21.62	21.40	22.22

Band		WCDMA V_ANT1			Tune-up Limit (dbm)
TX Channel	Rx Channel	4132	4182	4233	
Frequency (MHz)		4357	4407	4458	
3GPP Rel 99	AMR 12.2Kbps	24.01	24.09	24.00	25.00
3GPP Rel 99	RMC 12.2Kbps	24.03	24.11	24.01	25.00
3GPP Rel 6	HSDPA Subtest-1	22.85	22.93	22.88	24.00
3GPP Rel 6	HSDPA Subtest-2	22.83	22.92	22.92	24.00
3GPP Rel 6	HSDPA Subtest-3	22.34	22.47	22.37	23.50
3GPP Rel 6	HSDPA Subtest-4	22.39	22.39	22.41	23.50
3GPP Rel 8	DCHSDPA Subtest-1	22.77	22.82	22.82	24.00
3GPP Rel 8	DCHSDPA Subtest-2	22.68	22.76	22.76	24.00
3GPP Rel 8	DCHSDPA Subtest-3	22.28	22.35	22.31	23.50
3GPP Rel 8	DCHSDPA Subtest-4	22.23	22.30	22.30	23.50
3GPP Rel 6	HSPA Subtest-1	22.75	22.88	22.86	24.00
3GPP Rel 6	HSPA Subtest-2	20.76	20.85	20.84	22.00
3GPP Rel 6	HSPA Subtest-3	21.76	21.88	21.81	23.00
3GPP Rel 6	HSPA Subtest-4	20.73	20.86	20.83	22.00
3GPP Rel 6	HSPA Subtest-5	22.80	22.90	22.90	24.00
3GPP Rel 7	HSPA+ (TDD-M) Subtest-1	21.10	21.20	21.10	22.00

Reduced Power for DSI6/11



UL CA with Top Antenna

CA_7C_ANT 2											
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					
20850	21048	QPSK	1	0	0	0	1	0	DS14/9/14	23.39	24.20
21100	21298	QPSK	1	0	0	0	1	0	DS14/9/14	23.47	24.20
21350	21152	QPSK	1	0	0	0	1	0	DS14/9/14	23.51	24.20
20850	21048	QPSK	1	0	0	0	1	0	DS15	15.87	16.70
21100	21298	QPSK	1	0	0	0	1	0	DS15	15.98	16.70
21350	21152	QPSK	1	0	0	0	1	0	DS15	16.09	16.70
20850	21048	QPSK	1	0	0	0	1	0	DS110/15	13.87	14.70
21100	21298	QPSK	1	0	0	0	1	0	DS110/15	13.96	14.70
21350	21152	QPSK	1	0	0	0	1	0	DS110/15	14.04	14.70
20850	21048	QPSK	1	0	0	0	1	0	DS117	18.25	19.50
21100	21298	QPSK	1	0	0	0	1	0	DS117	18.41	19.50
21350	21152	QPSK	1	0	0	0	1	0	DS117	18.46	19.50
20850	21048	QPSK	1	0	0	0	1	0	DS11	20.17	21.20
21100	21298	QPSK	1	0	0	0	1	0	DS11	20.20	21.20
21350	21152	QPSK	1	0	0	0	1	0	DS11	20.31	21.20
20850	21048	QPSK	1	0	0	0	1	0	DS16/11	18.81	19.70
21100	21298	QPSK	1	0	0	0	1	0	DS16/11	18.82	19.70
21350	21152	QPSK	1	0	0	0	1	0	DS16/11	18.84	19.70

CA_38C_ANT 2											
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					
37850	38048	QPSK	1	0	0	0	1	0	DS14/9/14	24.00	24.50
37901	38099	QPSK	1	0	0	0	1	0	DS14/9/14	24.03	24.50
38150	37952	QPSK	1	0	0	0	1	0	DS14/9/14	23.94	24.50
37850	38048	QPSK	1	0	0	0	1	0	DS15	17.51	18.50
37901	38099	QPSK	1	0	0	0	1	0	DS15	17.50	18.50
38150	37952	QPSK	1	0	0	0	1	0	DS15	17.56	18.50
37850	38048	QPSK	1	0	0	0	1	0	DS110/15	15.47	16.50
37901	38099	QPSK	1	0	0	0	1	0	DS110/15	15.43	16.50
38150	37952	QPSK	1	0	0	0	1	0	DS110/15	15.51	16.50
37850	38048	QPSK	1	0	0	0	1	0	DS117	20.41	21.50
37901	38099	QPSK	1	0	0	0	1	0	DS117	20.46	21.50
38150	37952	QPSK	1	0	0	0	1	0	DS117	20.51	21.50
37850	38048	QPSK	1	0	0	0	1	0	DS11	21.47	22.50
37901	38099	QPSK	1	0	0	0	1	0	DS11	21.48	22.50
38150	37952	QPSK	1	0	0	0	1	0	DS11	21.49	22.50
37850	38048	QPSK	1	0	0	0	1	0	DS16/11	19.93	21.00
37901	38099	QPSK	1	0	0	0	1	0	DS16/11	19.94	21.00
38150	37952	QPSK	1	0	0	0	1	0	DS16/11	20.01	21.00

CA_41C_ANT 2											
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	39988	QPSK	1	0	0	0	1	0	DS14/9/14	24.07	25.00
39750	39948	QPSK	1	0	0	0	1	0	DS14/9/14	24.00	25.00
40185	40383	QPSK	1	0	0	0	1	0	DS14/9/14	24.08	25.00
40620	40422	QPSK	1	0	0	0	1	0	DS14/9/14	24.04	25.00
41055	40857	QPSK	1	0	0	0	1	0	DS14/9/14	23.63	25.00
41490	41292	QPSK	1	0	0	0	1	0	DS14/9/14	23.55	25.00
39790	39988	QPSK	1	0	0	0	1	0	DS15	17.50	18.50
39750	39948	QPSK	1	0	0	0	1	0	DS15	17.37	18.50
40185	40383	QPSK	1	0	0	0	1	0	DS15	17.59	18.50
40620	40422	QPSK	1	0	0	0	1	0	DS15	17.57	18.50
41055	40857	QPSK	1	0	0	0	1	0	DS15	17.12	18.50
41490	41292	QPSK	1	0	0	0	1	0	DS15	17.03	18.50
39790	39988	QPSK	1	0	0	0	1	0	DS110/15	15.50	16.50
39750	39948	QPSK	1	0	0	0	1	0	DS110/15	15.38	16.50
40185	40383	QPSK	1	0	0	0	1	0	DS110/15	15.55	16.50
40620	40422	QPSK	1	0	0	0	1	0	DS110/15	15.51	16.50
41055	40857	QPSK	1	0	0	0	1	0	DS110/15	15.07	16.50
41490	41292	QPSK	1	0	0	0	1	0	DS110/15	14.92	16.50
39790	39988	QPSK	1	0	0	0	1	0	DS117	20.51	21.50
39750	39948	QPSK	1	0	0	0	1	0	DS117	20.48	21.50
40185	40383	QPSK	1	0	0	0	1	0	DS117	20.53	21.50
40620	40422	QPSK	1	0	0	0	1	0	DS117	20.51	21.50
41055	40857	QPSK	1	0	0	0	1	0	DS117	20.06	21.50
41490	41292	QPSK	1	0	0	0	1	0	DS117	19.97	21.50
39790	39988	QPSK	1	0	0	0	1	0	DS11	21.49	22.50
39750	39948	QPSK	1	0	0	0	1	0	DS11	21.40	22.50
40185	40383	QPSK	1	0	0	0	1	0	DS11	21.54	22.50
40620	40422	QPSK	1	0	0	0	1	0	DS11	21.52	22.50
41055	40857	QPSK	1	0	0	0	1	0	DS11	21.08	22.50
41490	41292	QPSK	1	0	0	0	1	0	DS11	20.86	22.50
39790	39988	QPSK	1	0	0	0	1	0	DS16/11	20.01	21.00
39750	39948	QPSK	1	0	0	0	1	0	DS16/11	19.95	21.00
40185	40383	QPSK	1	0	0	0	1	0	DS16/11	20.03	21.00
40620	40422	QPSK	1	0	0	0	1	0	DS16/11	19.88	21.00
41055	40857	QPSK	1	0	0	0	1	0	DS16/11	19.54	21.00
41490	41292	QPSK	1	0	0	0	1	0	DS16/11	19.43	21.00

CA_41C(HPUE)_ANT 2											
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	39988	QPSK	1	0	0	0	1	0	DS14/9/14	24.66	27.00
39750	39948	QPSK	1	0	0	0	1	0	DS14/9/14	24.43	27.00
40185	40383	QPSK	1	0	0	0	1	0	DS14/9/14	25.57	27.00
40620	40422	QPSK	1	0	0	0	1	0	DS14/9/14	25.41	27.00
41055	40857	QPSK	1	0	0	0	1	0	DS14/9/14	23.54	27.00
41490	41292	QPSK	1	0	0	0	1	0	DS14/9/14	23.63	27.00
39790	39988	QPSK	1	0	0	0	1	0	DS15	17.71	20.10
39750	39948	QPSK	1	0	0	0	1	0	DS15	17.42	20.10
40185	40383	QPSK	1	0	0	0	1	0	DS15	18.59	20.10
40620	40422	QPSK	1	0	0	0	1	0	DS15	18.49	20.10
41055	40857	QPSK	1	0	0	0	1	0	DS15	16.61	20.10
41490	41292	QPSK	1	0	0	0	1	0	DS15	16.66	20.10
39790	39988	QPSK	1	0	0	0	1	0	DS110/15	15.70	18.10
39750	39948	QPSK	1	0	0	0	1	0	DS110/15	15.42	18.10
40185	40383	QPSK	1	0	0	0	1	0	DS110/15	16.66	18.10
40620	40422	QPSK	1	0	0	0	1	0	DS110/15	16.61	18.10
41055	40857	QPSK	1	0	0	0	1	0	DS110/15	14.52	18.10
41490	41292	QPSK	1	0	0	0	1	0	DS110/15	14.66	18.10
39790	39988	QPSK	1	0	0	0	1	0	DS117	20.64	23.10
39750	39948	QPSK	1	0	0	0	1	0	DS117	20.45	23.10
40185	40383	QPSK	1	0	0	0	1	0	DS117	21.57	23.10
40620	40422	QPSK	1	0	0	0	1	0	DS117	21.51	23.10
41055	40857	QPSK	1	0	0	0	1	0	DS117	19.63	23.10
41490	41292	QPSK	1	0	0	0	1	0	DS117	19.61	23.10
39790	39988	QPSK	1	0	0	0	1	0	DS11	21.67	24.10
39750	39948	QPSK	1	0	0	0	1	0	DS11	21.50	24.10
40185	40383	QPSK	1	0	0	0	1	0	DS11	22.56	24.10
40620	40422	QPSK	1	0	0	0	1	0	DS11	22.47	24.10
41055	40857	QPSK	1	0	0	0	1	0	DS11	20.59	24.10
41490	41292	QPSK	1	0	0	0	1	0	DS11	20.72	24.10
39790	39988	QPSK	1	0	0	0	1	0	DS16/11	20.13	22.60
39750	39948	QPSK	1	0	0	0	1	0	DS16/11	19.97	22.60
40185	40383	QPSK	1	0	0	0	1	0	DS16/11	21.07	22.60
40620	40422	QPSK	1	0	0	0	1	0	DS16/11	21.03	22.60
41055	40857	QPSK	1	0	0	0	1	0	DS16/11	19.08	22.60
41490	41292	QPSK	1	0	0	0	1	0	DS16/11	19.11	22.60

CA_48C_ANT 5											
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					
55340	55538	QPSK	1	0	0	0	1	0	DSM/9/14	23.67	25.00
55830	55632	QPSK	1	0	0	0	1	0	DSM/9/14	23.78	25.00
56150	55952	QPSK	1	0	0	0	1	0	DSM/9/14	23.75	25.00
56640	56442	QPSK	1	0	0	0	1	0	DSM/9/14	23.63	25.00
55340	55538	QPSK	1	0	0	0	1	0	DSIS	16.58	18.00
55830	55632	QPSK	1	0	0	0	1	0	DSIS	16.71	18.00
56150	55952	QPSK	1	0	0	0	1	0	DSIS	16.70	18.00
56640	56442	QPSK	1	0	0	0	1	0	DSIS	16.62	18.00
55340	55538	QPSK	1	0	0	0	1	0	DSI10/15	14.64	16.00
55830	55632	QPSK	1	0	0	0	1	0	DSI10/15	14.66	16.00
56150	55952	QPSK	1	0	0	0	1	0	DSI10/15	14.63	16.00
56640	56442	QPSK	1	0	0	0	1	0	DSI10/15	14.55	16.00
55340	55538	QPSK	1	0	0	0	1	0	DSI17	19.56	21.00
55830	55632	QPSK	1	0	0	0	1	0	DSI17	19.65	21.00
56150	55952	QPSK	1	0	0	0	1	0	DSI17	19.63	21.00
56640	56442	QPSK	1	0	0	0	1	0	DSI17	19.56	21.00
55340	55538	QPSK	1	0	0	0	1	0	DSI1	23.16	24.50
55830	55632	QPSK	1	0	0	0	1	0	DSI1	23.20	24.50
56150	55952	QPSK	1	0	0	0	1	0	DSI1	23.17	24.50
56640	56442	QPSK	1	0	0	0	1	0	DSI1	23.06	24.50
55340	55538	QPSK	1	0	0	0	1	0	DSI6/11	22.01	23.00
55830	55632	QPSK	1	0	0	0	1	0	DSI6/11	22.11	23.00
56150	55952	QPSK	1	0	0	0	1	0	DSI6/11	22.05	23.00
56640	56442	QPSK	1	0	0	0	1	0	DSI6/11	22.06	23.00

CA_48C_ANT 10											
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					
55340	55538	QPSK	1	0	0	0	1	0	DSM/9/14	23.69	25.00
55830	55632	QPSK	1	0	0	0	1	0	DSM/9/14	23.71	25.00
56150	55952	QPSK	1	0	0	0	1	0	DSM/9/14	23.57	25.00
56640	56442	QPSK	1	0	0	0	1	0	DSM/9/14	23.58	25.00
55340	55538	QPSK	1	0	0	0	1	0	DSIS	23.69	25.00
55830	55632	QPSK	1	0	0	0	1	0	DSIS	23.71	25.00
56150	55952	QPSK	1	0	0	0	1	0	DSIS	23.57	25.00
56640	56442	QPSK	1	0	0	0	1	0	DSIS	23.58	25.00
55340	55538	QPSK	1	0	0	0	1	0	DSI10/15	22.07	23.50
55830	55632	QPSK	1	0	0	0	1	0	DSI10/15	22.12	23.50
56150	55952	QPSK	1	0	0	0	1	0	DSI10/15	22.09	23.50
56640	56442	QPSK	1	0	0	0	1	0	DSI10/15	22.07	23.50
55340	55538	QPSK	1	0	0	0	1	0	DSI17	21.12	22.50
55830	55632	QPSK	1	0	0	0	1	0	DSI17	21.15	22.50
56150	55952	QPSK	1	0	0	0	1	0	DSI17	21.10	22.50
56640	56442	QPSK	1	0	0	0	1	0	DSI17	20.97	22.50
55340	55538	QPSK	1	0	0	0	1	0	DSI1	23.69	25.00
55830	55632	QPSK	1	0	0	0	1	0	DSI1	23.71	25.00
56150	55952	QPSK	1	0	0	0	1	0	DSI1	23.57	25.00
56640	56442	QPSK	1	0	0	0	1	0	DSI1	23.58	25.00
55340	55538	QPSK	1	0	0	0	1	0	DSI7/12	23.69	25.00
55830	55632	QPSK	1	0	0	0	1	0	DSI7/12	23.71	25.00
56150	55952	QPSK	1	0	0	0	1	0	DSI7/12	23.57	25.00
56640	56442	QPSK	1	0	0	0	1	0	DSI7/12	23.58	25.00



UL CA with Bottom Antenna

CA_7C_ANT 3											
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					
20850	21048	QPSK	1	0	0	0	1	0	DS14/9/14	22.99	24.20
21100	21298	QPSK	1	0	0	0	1	0	DS14/9/14	23.01	24.20
21350	21152	QPSK	1	0	0	0	1	0	DS14/9/14	23.02	24.20
20850	21048	QPSK	1	0	0	0	1	0	DS15/10/15	22.99	24.20
21100	21298	QPSK	1	0	0	0	1	0	DS15/10/15	23.01	24.20
21350	21152	QPSK	1	0	0	0	1	0	DS15/10/15	23.02	24.20
20850	21048	QPSK	1	0	0	0	1	0	DS117	20.37	21.50
21100	21298	QPSK	1	0	0	0	1	0	DS117	20.41	21.50
21350	21152	QPSK	1	0	0	0	1	0	DS117	20.45	21.50

CA_38C_ANT 3											
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					
37850	38048	QPSK	1	0	0	0	1	0	DS14/9/14	23.03	24.50
37901	38099	QPSK	1	0	0	0	1	0	DS14/9/14	23.36	24.50
38150	37952	QPSK	1	0	0	0	1	0	DS14/9/14	23.42	24.50
37850	38048	QPSK	1	0	0	0	1	0	DS15/10/15	23.03	24.50
37901	38099	QPSK	1	0	0	0	1	0	DS15/10/15	23.36	24.50
38150	37952	QPSK	1	0	0	0	1	0	DS15/10/15	23.42	24.50
37850	38048	QPSK	1	0	0	0	1	0	DS117	22.61	24.00
37901	38099	QPSK	1	0	0	0	1	0	DS117	22.63	24.00
38150	37952	QPSK	1	0	0	0	1	0	DS117	22.67	24.00



CA_41C_ANT 3											
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					
39750	39948	QPSK	1	0	0	0	1	0	DS14/9/14	23.68	25.00
39750	39948	QPSK	1	0	0	0	1	0	DS14/9/14	23.65	25.00
40185	40383	QPSK	1	0	0	0	1	0	DS14/9/14	23.88	25.00
40620	40422	QPSK	1	0	0	0	1	0	DS14/9/14	23.66	25.00
41055	40857	QPSK	1	0	0	0	1	0	DS14/9/14	23.70	25.00
41490	41292	QPSK	1	0	0	0	1	0	DS14/9/14	23.71	25.00
39750	39948	QPSK	1	0	0	0	1	0	DS15/10/15	23.68	25.00
39750	39948	QPSK	1	0	0	0	1	0	DS15/10/15	23.65	25.00
40185	40383	QPSK	1	0	0	0	1	0	DS15/10/15	23.88	25.00
40620	40422	QPSK	1	0	0	0	1	0	DS15/10/15	23.66	25.00
41055	40857	QPSK	1	0	0	0	1	0	DS15/10/15	23.70	25.00
41490	41292	QPSK	1	0	0	0	1	0	DS15/10/15	23.71	25.00
39750	39948	QPSK	1	0	0	0	1	0	DS17	22.61	24.00
39750	39948	QPSK	1	0	0	0	1	0	DS17	22.64	24.00
40185	40383	QPSK	1	0	0	0	1	0	DS17	22.84	24.00
40620	40422	QPSK	1	0	0	0	1	0	DS17	22.69	24.00
41055	40857	QPSK	1	0	0	0	1	0	DS17	22.62	24.00
41490	41292	QPSK	1	0	0	0	1	0	DS17	22.68	24.00

CA_41C(HPUE)_ANT 3											
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					
39750	39948	QPSK	1	0	0	0	1	0	DS14/9/14	25.13	27.00
39750	39948	QPSK	1	0	0	0	1	0	DS14/9/14	24.79	27.00
40185	40383	QPSK	1	0	0	0	1	0	DS14/9/14	25.60	27.00
40620	40422	QPSK	1	0	0	0	1	0	DS14/9/14	25.35	27.00
41055	40857	QPSK	1	0	0	0	1	0	DS14/9/14	24.11	27.00
41490	41292	QPSK	1	0	0	0	1	0	DS14/9/14	24.07	27.00
39750	39948	QPSK	1	0	0	0	1	0	DS15/10/15	25.13	27.00
39750	39948	QPSK	1	0	0	0	1	0	DS15/10/15	24.79	27.00
40185	40383	QPSK	1	0	0	0	1	0	DS15/10/15	25.60	27.00
40620	40422	QPSK	1	0	0	0	1	0	DS15/10/15	25.35	27.00
41055	40857	QPSK	1	0	0	0	1	0	DS15/10/15	24.11	27.00
41490	41292	QPSK	1	0	0	0	1	0	DS15/10/15	24.07	27.00
39750	39948	QPSK	1	0	0	0	1	0	DS17	23.65	25.60
39750	39948	QPSK	1	0	0	0	1	0	DS17	23.30	25.60
40185	40383	QPSK	1	0	0	0	1	0	DS17	24.08	25.60
40620	40422	QPSK	1	0	0	0	1	0	DS17	24.02	25.60
41055	40857	QPSK	1	0	0	0	1	0	DS17	22.63	25.60
41490	41292	QPSK	1	0	0	0	1	0	DS17	22.55	25.60



Default Power&DSI4/9/14

n2_ANT 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mask Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	25.2	0.0
Frequency (MHz)				1850	1880	1900		
20	PI2 BPSK	1	1	22.81	22.68	22.57		
20	PI2 BPSK	1	53	22.79	22.60	22.56		
20	PI2 BPSK	1	104	22.87	22.58	22.49		
20	PI2 BPSK	50	0	22.58	22.58	22.48		
20	PI2 BPSK	50	26	22.51	22.60	22.44		
20	PI2 BPSK	50	56	22.52	22.54	22.40		
20	PI2 BPSK	100	0	22.36	22.82	22.45		
20	QPSK	1	1	23.72	23.73	23.65		
20	QPSK	1	53	23.70	23.62	23.63		
20	QPSK	1	104	23.65	23.66	23.62		
20	QPSK	50	0	23.26	23.49	23.23		
20	QPSK	50	26	23.36	23.60	23.56		
20	QPSK	50	56	22.98	23.09	23.07		
20	QPSK	100	0	23.00	23.06	22.99		
20	16QAM	1	1	23.34	23.41	23.36		
20	64QAM	1	1	21.87	21.86	21.82		
20	256QAM	1	1	19.67	19.73	19.72		
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1902.5	25.2	0.0
15	QPSK	1	1	23.43	23.45	23.43	25.2	0.0
Channel				371000	376000	381000		
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	23.32	23.33	23.36	25.2	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5	25.2	0.0
5	QPSK	1	1	23.41	23.32	23.40	25.2	0.0

n5_ANT 0

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	24.7	0.0
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	22.84	22.99	22.87		
20	PI2 BPSK	1	53	22.86	22.50	22.86	24.2	0.5
20	PI2 BPSK	1	104	22.97	22.84	22.77		
20	PI2 BPSK	50	0	22.37	22.40	22.45		
20	PI2 BPSK	50	26	22.93	22.97	22.96	24.7	0.0
20	PI2 BPSK	50	56	22.47	22.43	22.32	24.2	0.5
20	PI2 BPSK	100	0	22.43	22.49	22.40		
20	QPSK	1	1	23.27	23.44	23.26		
20	QPSK	1	53	23.26	23.41	23.25	24.7	0.0
20	QPSK	1	104	23.18	23.19	23.15		
20	QPSK	50	0	22.93	23.11	22.88		
20	QPSK	50	26	23.08	23.31	23.10	24.7	0.0
20	QPSK	50	56	22.73	22.87	22.83	23.7	1.0
20	QPSK	100	0	22.92	22.93	22.83		
20	16QAM	1	1	22.98	23.14	22.95		
20	64QAM	1	1	21.69	21.70	21.65	22.2	2.5
20	256QAM	1	1	19.46	19.61	19.56	20.2	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	24.7	0.0
15	QPSK	1	1	23.12	23.22	23.10	24.7	0.0
Channel				165500	167300	169100		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.09	23.09	23.16	24.7	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5	24.7	0.0
5	QPSK	1	1	23.13	23.16	23.05	24.7	0.0

n7_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				504000	507000	510000	24.2	0.0
Frequency (MHz)				2520	2535	2550		
40	PI2 BPSK	1	1	22.81	22.92	22.79		
40	PI2 BPSK	1	108	22.84	22.86	22.87	23.7	0.5
40	PI2 BPSK	1	214	22.82	22.79	22.79		
40	PI2 BPSK	108	0	21.67	21.77	21.73		
40	PI2 BPSK	108	54	22.73	22.82	22.78	24.2	0.0
40	PI2 BPSK	108	108	21.73	21.82	21.76	23.7	0.5
40	PI2 BPSK	216	0	21.75	21.83	21.82		
40	QPSK	1	1	23.17	23.34	23.33		
40	QPSK	1	108	23.24	23.21	23.17	24.2	0.0
40	QPSK	1	214	23.12	23.31	23.20		
40	QPSK	108	0	22.62	22.86	22.71		
40	QPSK	108	54	23.04	23.06	23.02	24.2	0.0
40	QPSK	108	108	22.58	22.67	22.52	23.2	1.0
40	QPSK	216	0	22.56	22.75	22.63		
40	16QAM	1	1	22.83	22.74	22.61		
40	64QAM	1	1	21.52	21.63	21.40	21.7	2.5
40	256QAM	1	1	19.26	19.38	19.29	19.7	4.5
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555	24.2	0.0
30	QPSK	1	1	23.02	23.01	22.97	25.2	0.0
Channel				502000	507000	512000		
Frequency (MHz)				2512.5	2535	2557.5	24.2	0.0
25	QPSK	1	1	23.00	22.90	22.96	24.2	0.0
Channel				501000	507000	513000		
Frequency (MHz)				2510	2535	2560	24.2	0.0
20	QPSK	1	1	23.05	23.01	23.01	24.2	0.0
Channel				500500	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5	24.2	0.0
15	QPSK	1	1	22.98	22.99	22.99	24.2	0.0
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565	24.2	0.0
10	QPSK	1	1	23.01	22.79	23.00	24.2	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	24.2	0.0
5	QPSK	1	1	22.97	22.81	23.00	24.2	0.0



n25_ANT 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mask Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI2 BPSK	1	1	23.02	23.04	23.01		
40	PI2 BPSK	1	108	22.99	22.98	22.92	25.2	0.0
40	PI2 BPSK	1	214	23.00	22.96	22.98		
40	PI2 BPSK	108	0	22.96	23.01	23.00	24.7	0.5
40	PI2 BPSK	108	54	23.06	23.13	23.05	25.2	0.0
40	PI2 BPSK	108	108	22.97	22.99	22.95		
40	PI2 BPSK	216	0	22.94	22.99	22.92	24.7	0.5
40	QPSK	1	1	23.50	23.57	23.85		
40	QPSK	1	108	23.87	23.95	23.84	25.2	0.0
40	QPSK	1	214	23.88	23.91	23.85		
40	QPSK	108	0	23.54	23.51	23.49	24.2	1.0
40	QPSK	108	54	23.91	23.72	23.53	25.2	0.0
40	QPSK	108	108	23.35	23.38	23.24	24.2	1.0
40	QPSK	216	0	23.41	23.43	23.40		
40	16QAM	1	1	23.58	23.62	23.57	24.2	1.0
40	64QAM	1	1	22.97	22.14	21.95	22.7	2.5
40	256QAM	1	1	19.92	20.03	19.88	20.7	4.5
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	23.78	23.75	23.73	25.2	0.0
Channel				1862.5	1882.5	1902.5		
25	QPSK	1	1	23.63	23.74	23.69	25.2	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	23.84	23.65	23.78	25.2	0.0
Channel				371000	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	23.73	23.74	23.81	25.2	0.0
Channel				271000	271000	282000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	23.79	23.94	23.82	25.2	0.0
Channel				370500	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	23.75	23.54	23.78	25.2	0.0

n30_ANT 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mask Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)
Channel				462000	462000			
Frequency (MHz)				2310				
10	PI2 BPSK	1	1		23.92			
10	PI2 BPSK	1	25		23.86		25.2	0.0
10	PI2 BPSK	1	50		23.79		24.7	0.5
10	PI2 BPSK	25	0		23.51		25.2	0.0
10	PI2 BPSK	25	14		23.78		25.2	0.0
10	PI2 BPSK	25	27		23.19		24.7	0.5
10	PI2 BPSK	50	0		23.29			
10	QPSK	1	1		24.31			
10	QPSK	1	25		24.28		25.2	0.0
10	QPSK	1	50		24.23			
10	QPSK	25	0		24.15		24.2	1.0
10	QPSK	25	14		24.23		25.2	0.0
10	QPSK	25	27		23.14		24.2	1.0
10	QPSK	50	0		23.16			
10	16QAM	1	1		23.38		24.2	1.0
10	64QAM	1	1		21.91		22.7	2.5
10	256QAM	1	1		19.62		20.7	4.5
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	24.03	24.15	24.06	25.2	0.0

n66_ANT 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mask Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	24.22	24.29	24.16		
40	PI2 BPSK	1	108	24.09	24.17	24.19	25.2	0.0
40	PI2 BPSK	1	214	24.14	24.11	24.22		
40	PI2 BPSK	108	0	23.90	23.99	23.87	24.7	0.5
40	PI2 BPSK	108	54	23.91	24.04	24.00	25.2	0.0
40	PI2 BPSK	108	108	23.75	23.71	23.73		
40	PI2 BPSK	216	0	23.81	23.88	23.86	24.7	0.5
40	QPSK	1	1	24.25	25.31	24.15		
40	QPSK	1	108	24.19	24.04	24.14	25.2	0.0
40	QPSK	1	214	24.12	24.04	24.50		
40	QPSK	108	0	23.81	24.01	23.81	24.2	1.0
40	QPSK	108	54	23.91	24.10	23.85	25.2	0.0
40	QPSK	108	108	22.88	22.78	22.82	24.2	1.0
40	QPSK	216	0	23.09	23.11	23.04		
40	16QAM	1	1	23.42	23.31	23.32	24.2	1.0
40	64QAM	1	1	21.92	21.80	21.77	22.7	2.5
40	256QAM	1	1	19.96	19.71	19.80	20.7	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	24.19	24.18	24.16	25.2	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	24.11	23.98	24.04	25.2	0.0
Channel				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1772.5		
15	QPSK	1	1	24.15	24.06	24.15	25.2	0.0
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	24.17	23.98	24.20	25.2	0.0
Channel				341000	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	24.10	23.89	24.12	25.2	0.0



n38_ANT 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Main Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	24.7	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	23.03	23.09	23.00		
40	PI2 BPSK	1	53	22.87	22.96	22.98		
40	PI2 BPSK	1	104	22.99	23.01	22.98	24.2	0.5
40	PI2 BPSK	50	0	21.93	21.91	21.92		
40	PI2 BPSK	50	28	22.82	22.83	22.81		
40	PI2 BPSK	50	55	21.82	21.86	21.88		
40	PI2 BPSK	100	0	21.89	21.97	21.94	24.7	0.0
40	QPSK	1	1	23.05	23.11	23.01		
40	QPSK	1	53	22.94	23.02	22.99		
40	QPSK	1	104	23.03	23.07	23.06		
40	QPSK	50	0	22.82	22.87	22.83	24.7	0.0
40	QPSK	50	28	23.03	23.05	22.87		
40	QPSK	50	56	22.49	22.61	22.47		
40	QPSK	100	0	22.33	22.39	22.34		
40	16QAM	1	1	22.34	22.56	22.38	22.2	2.5
40	64QAM	1	1	21.18	21.35	21.10		
40	256QAM	1	1	19.08	19.19	19.08		
Channel				517902	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2589.01	2595	2604.99		
30	QPSK	1	1	22.84	22.89	22.82		
Channel				516900	519000	520900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2560	2595	2610		
20	QPSK	1	1	22.88	22.77	22.81		

n41(PC3)_FCC_ANT 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Main Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	526000	24.2	0.0
Frequency (MHz)				2546.01	2562.99	2640		
100	PI2 BPSK	1	1	22.93	23.18	22.85		
100	PI2 BPSK	1	137	22.87	22.83	22.83		
100	PI2 BPSK	1	271	23.01	22.91	21.47	23.7	0.5
100	PI2 BPSK	135	0	21.85	22.87	22.79		
100	PI2 BPSK	135	69	22.89	22.87	22.75		
100	PI2 BPSK	135	138	22.89	22.90	22.68		
100	PI2 BPSK	270	0	22.79	22.84	22.68	24.2	0.0
100	QPSK	1	1	23.11	23.20	23.13		
100	QPSK	1	137	23.11	23.19	23.11		
100	QPSK	1	271	23.03	23.16	23.07		
100	QPSK	135	0	22.77	22.80	22.75	24.2	0.0
100	QPSK	135	69	23.04	23.09	22.96		
100	QPSK	135	138	22.31	22.54	22.46		
100	QPSK	270	0	22.70	22.85	22.70		
100	16QAM	1	1	22.70	22.80	21.97	23.2	1.0
100	64QAM	1	1	20.93	20.44	20.36		
100	256QAM	1	1	19.18	18.60	19.7		
Channel				508200	518598	526996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2562.99	2644.98		
90	QPSK	1	1	22.93	23.01	23.03		
Channel				507204	518598	526996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2562.99	2649.99		
80	QPSK	1	1	22.87	23.01	23.02		
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2562.99	2655		
70	QPSK	1	1	22.88	23.08	23.00		
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2524	2562.99	2659.98		
60	QPSK	1	1	22.89	23.20	23.03		
Channel				504204	518598	532996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.02	2562.99	2664.99		
50	QPSK	1	1	22.88	23.21	22.97		
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2562.99	2670		
40	QPSK	1	1	22.89	23.15	23.02		
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2562.99	2674.98		
30	QPSK	1	1	22.89	23.20	23.05		
Channel				501204	518598	535996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2562.99	2679.99		
20	QPSK	1	1	22.82	23.11	23.01		

n41(PC2)_FCC_ANT 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Med Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	P12 BPSK	1	1	25.51	25.78	25.38		
100	P12 BPSK	1	137	25.40	24.72	24.57	27.2	0.0
100	P12 BPSK	1	271	25.43	24.78	22.15		
100	P12 BPSK	135	0	22.78	24.23	24.22	26.7	0.5
100	P12 BPSK	135	69	25.19	24.67	24.59	27.2	0.0
100	P12 BPSK	135	135	24.79	24.34	23.58		
100	P12 BPSK	270	0	24.43	24.10	23.98	26.7	0.5
100	QPSK	1	1	25.06	25.78	25.74		
100	QPSK	1	137	25.71	25.74	25.67	27.2	0.0
100	QPSK	1	271	25.68	25.74	25.64		
100	QPSK	135	0	23.45	23.73	23.47		
100	QPSK	135	69	25.61	25.64	25.57	27.2	0.0
100	QPSK	135	135	23.84	23.60	23.56		
100	QPSK	270	0	23.53	23.55	23.50	26.2	2.0
100	16QAM	1	1	24.40	24.94	24.87	26.2	1.0
100	64QAM	1	1	23.34	23.36	23.18	24.7	2.5
100	256QAM	1	1	21.16	21.11	21.06	22.7	4.5
Channel				508200	518598	528996	Tune-up limit (dB)	MPR
Frequency (MHz)				2541	2592.99	2641.98		
90	QPSK	1	1	25.25	25.39	25.35	27.2	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	25.31	25.35	25.33	27.2	0.0
Channel				505202	518598	531000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	25.31	25.41	25.35	27.2	0.0
Channel				505200	518598	531996	Tune-up limit (dB)	MPR
Frequency (MHz)				2526	2592.99	2674.98		
60	QPSK	1	1	25.24	25.18	25.35	27.2	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	25.29	25.53	25.30	27.2	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	25.31	25.34	25.29	27.2	0.0
Channel				502200	518598	534996	Tune-up limit (dB)	MPR
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	25.25	25.51	25.35	27.2	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	25.25	25.58	25.26	27.2	0.0

n41(PC3)_FCC_ANT 5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Med Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505002	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	P12 BPSK	1	1	22.37	23.21	23.01		
100	P12 BPSK	1	137	23.05	23.03	22.98	24.2	0.0
100	P12 BPSK	1	271	23.02	23.09	21.35		
100	P12 BPSK	135	0	22.58	22.53	22.51	23.7	0.5
100	P12 BPSK	135	69	22.95	22.96	22.82	24.2	0.0
100	P12 BPSK	135	135	22.43	22.42	21.91		
100	P12 BPSK	270	0	22.35	22.48	22.21	23.7	0.5
100	QPSK	1	1	23.10	23.32	23.01		
100	QPSK	1	137	23.14	23.16	22.95	24.2	0.0
100	QPSK	1	271	23.12	23.12	21.01		
100	QPSK	135	0	21.67	22.03	21.84		
100	QPSK	135	69	22.81	22.95	22.68	24.2	0.0
100	QPSK	135	135	21.96	21.88	21.45		
100	QPSK	270	0	21.89	21.96	21.72	23.2	1.0
100	16QAM	1	1	21.74	21.82	22.19	23.2	1.0
100	64QAM	1	1	20.58	20.75	20.84	21.7	2.5
100	256QAM	1	1	18.35	18.67	18.39	19.7	4.5
Channel				508200	518598	528996	Tune-up limit (dB)	MPR
Frequency (MHz)				2541	2592.99	2641.98		
90	QPSK	1	1	22.95	23.05	23.03	24.2	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	23.01	23.05	22.99	24.2	0.0
Channel				505202	518598	531000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	23.01	23.08	23.05	24.2	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2526	2592.99	2674.98		
60	QPSK	1	1	23.15	23.15	23.04	24.2	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	23.12	23.20	23.08	24.2	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	23.15	23.14	23.06	24.2	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	23.14	23.13	23.01	24.2	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	23.12	23.11	23.04	24.2	0.0

n41(PC2)_FCC_ANT 5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Med Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI2 BPSK	1	1	24.80	24.85	24.78		
100	PI2 BPSK	1	137	24.61	24.64	24.67		
100	PI2 BPSK	1	271	24.68	24.72	24.70	26.2	0.0
100	PI2 BPSK	135	0	24.13	24.10	23.98	25.7	0.5
100	PI2 BPSK	135	69	24.53	24.56	24.52	26.2	0.0
100	PI2 BPSK	135	135	24.03	23.86	23.54		
100	PI2 BPSK	270	0	23.97	24.06	23.67	25.7	0.5
100	QPSK	1	1	24.80	24.85	24.78		
100	QPSK	1	137	24.61	24.64	24.67	26.2	0.0
100	QPSK	1	271	24.68	24.75	24.65		
100	QPSK	135	0	23.64	23.66	23.65		
100	QPSK	135	69	24.61	24.73	24.67	26.2	0.0
100	QPSK	135	135	23.65	23.67	23.57		
100	QPSK	270	0	23.34	23.35	23.16	24.2	2.0
100	16QAM	1	1	23.77	23.80	23.74	25.2	1.0
100	64QAM	1	1	22.37	22.41	22.38	23.7	2.5
100	256QAM	1	1	20.17	20.19	20.09	21.7	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	24.75	24.82	24.72	26.2	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	24.78	24.85	24.80	26.2	0.0
Channel				505202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	24.70	24.80	24.74	26.2	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2674.98		
60	QPSK	1	1	24.80	24.78	24.67	26.2	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	24.61	24.84	24.78	26.2	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	24.69	24.81	24.67	26.2	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	24.69	24.80	24.70	26.2	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	24.69	24.80	24.71	26.2	0.0

n41(PC3)_FCC_ANT 6								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Med Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI2 BPSK	1	1	22.01	22.13	22.12		
100	PI2 BPSK	1	137	22.01	22.13	21.94	23.2	0.0
100	PI2 BPSK	1	271	22.12	22.02	20.84		
100	PI2 BPSK	135	0	22.09	22.04	21.94	22.7	0.5
100	PI2 BPSK	135	69	21.96	22.10	21.84	23.2	0.0
100	PI2 BPSK	135	135	21.99	22.01	21.62		
100	PI2 BPSK	270	0	21.97	22.03	21.92	22.7	0.5
100	QPSK	1	1	22.15	22.21	22.06		
100	QPSK	1	137	22.08	22.06	21.99	23.2	0.0
100	QPSK	1	271	22.16	22.15	20.06		
100	QPSK	135	0	21.63	22.11	21.58		
100	QPSK	135	69	22.05	22.16	22.09	23.2	0.0
100	QPSK	135	135	22.04	21.97	21.58		
100	QPSK	270	0	21.86	22.03	21.78	22.2	1.0
100	16QAM	1	1	22.35	22.01	21.86	22.2	1.0
100	64QAM	1	1	20.82	20.65	20.63	20.7	2.5
100	256QAM	1	1	18.56	18.62	18.47	18.7	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.99	22.08	22.09	23.2	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	22.04	22.06	22.05	23.2	0.0
Channel				505202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	22.01	22.09	22.01	23.2	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2674.98		
60	QPSK	1	1	22.15	22.20	22.08	23.2	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	22.18	22.15	22.09	23.2	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	22.12	22.13	22.10	23.2	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	22.03	22.05	22.01	23.2	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	21.95	22.00	21.85	23.2	0.0

n41(PC2)_FCC_ANT 6									
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				508202	518598	528994	25.2	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	P12 BPSK	1	1	23.95	23.96	23.82			
100	P12 BPSK	1	137	24.07	24.00	23.76			
100	P12 BPSK	1	271	24.01	23.86	23.74	24.7	0.5	
100	P12 BPSK	135	0	23.45	23.50	23.41			
100	P12 BPSK	135	69	23.97	23.92	23.71			
100	P12 BPSK	135	138	23.80	23.41	23.38			
100	P12 BPSK	270	0	23.55	23.70	23.64	24.7	0.5	
100	QPSK	1	1	24.00	24.18	24.09	25.2	0.0	
100	QPSK	1	137	23.87	23.99	23.81			
100	QPSK	1	271	23.77	23.86	23.76			
100	QPSK	135	0	22.37	22.40	22.30			
100	QPSK	135	69	23.87	23.91	23.80	25.2	0.0	
100	QPSK	135	138	22.41	22.45	22.39			
100	QPSK	270	0	23.33	23.35	23.24			
100	16QAM	1	1	22.97	23.02	22.87	24.2	1.0	
100	64QAM	1	1	21.43	21.54	21.63	22.7	2.5	
100	256QAM	1	1	19.49	19.51	19.45	20.7	4.5	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2544	2592.99	2644.99	25.2	0.0	
90	QPSK	1	1	24.02	24.07	24.01			
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	25.2	0.0	
80	QPSK	1	1	23.94	24.13	24.07			
Channel				508202	518598	531090	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655	25.2	0.0	
70	QPSK	1	1	24.03	24.12	24.08			
Channel				508200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.99	25.2	0.0	
60	QPSK	1	1	24.02	24.16	23.99			
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	25.2	0.0	
50	QPSK	1	1	24.01	24.16	24.05			
Channel				503202	518598	534090	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	25.2	0.0	
40	QPSK	1	1	24.00	24.10	24.00			
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.99	25.2	0.0	
30	QPSK	1	1	24.04	24.11	23.97			
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	25.2	0.0	
20	QPSK	1	1	24.02	24.09	24.04			



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mask Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PI2 BPSK	1	1	22.43	22.43	22.29	25.2	0.0
20	PI2 BPSK	1	53	22.35	22.35	22.34		
20	PI2 BPSK	1	104	22.33	22.23	22.28		
20	PI2 BPSK	50	0	22.29	22.27	22.29	24.7	0.5
20	PI2 BPSK	50	28	22.38	22.41	22.26	25.2	0.0
20	PI2 BPSK	50	56	22.28	22.36	22.21	24.7	0.5
20	PI2 BPSK	100	0	22.31	22.32	22.25		
20	QPSK	1	1	24.21	24.25	24.02		
20	QPSK	1	53	24.00	24.11	24.02	25.2	0.0
20	QPSK	1	104	24.06	24.06	23.99	24.2	1.0
20	QPSK	50	0	23.01	23.02	23.01		
20	QPSK	50	28	23.93	24.02	23.92		
20	QPSK	50	56	23.00	23.10	22.99	24.2	1.0
20	QPSK	100	0	22.92	23.04	22.98	24.2	1.0
20	16QAM	1	1	23.28	23.37	23.28		
20	64QAM	1	1	21.64	21.76	21.66		
20	256QAM	1	1	19.54	19.63	19.55	20.7	4.5
Channel				371500	376000	380000	Tune-up limit	MPR
Frequency (MHz)				1857.5	1880	1902.5	25.2	0.0
15	QPSK	1	1	24.16	24.19	23.98	25.2	0.0
Channel				371000	376000	381000	Tune-up limit	MPR
Frequency (MHz)				1855	1880	1905	25.2	0.0
10	QPSK	1	1	24.09	24.23	23.95	25.2	0.0
Channel				370500	376000	381500	Tune-up limit	MPR
Frequency (MHz)				1852.5	1880	1907.5	25.2	0.0
5	QPSK	1	1	24.15	24.20	23.98	25.2	0.0

n5_ANT 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mask Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	24.7	0.0
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	23.26	23.20	23.39		
20	PI2 BPSK	1	53	23.25	23.26	23.18	24.2	0.5
20	PI2 BPSK	1	104	23.12	23.08	23.07		
20	PI2 BPSK	50	0	22.74	22.73	22.87		
20	PI2 BPSK	50	28	23.31	23.30	23.33	24.7	0.0
20	PI2 BPSK	50	56	22.79	22.75	22.86	24.2	0.5
20	PI2 BPSK	100	0	22.74	22.74	22.76		
20	QPSK	1	1	23.34	23.45	23.42		
20	QPSK	1	53	23.32	23.38	23.40	24.7	0.0
20	QPSK	1	104	23.26	23.22	23.24		
20	QPSK	50	0	22.80	22.86	22.84		
20	QPSK	50	28	23.29	23.30	23.27	24.7	0.0
20	QPSK	50	56	22.79	22.76	22.77	23.7	1.0
20	QPSK	100	0	22.77	22.86	22.75		
20	16QAM	1	1	21.08	21.05	21.01		
20	64QAM	1	1	21.51	21.54	21.58	22.2	2.5
20	256QAM	1	1	19.31	19.37	19.36	20.2	4.5
Channel				166300	167300	168300	Tune up limit	MPR
Frequency (MHz)				831.5	836.5	841.5	24.7	0.0
15	QPSK	1	1	23.13	23.17	23.19	24.7	0.0
Channel				166800	167300	168800	Tune-up limit	MPR
Frequency (MHz)				829	836.5	844	24.7	0.0
10	QPSK	1	1	23.11	23.12	23.09	24.7	0.0
Channel				166300	167300	169300	Tune-up limit	MPR
Frequency (MHz)				826.5	836.5	846.5	24.7	0.0
5	QPSK	1	1	23.19	23.16	23.14		

n7_ANT 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mask Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000	24.2	0.0
Frequency (MHz)				2520	2535	2550		
40	PI2 BPSK	1	1	22.89	22.74	22.84		
40	PI2 BPSK	1	108	22.94	22.73	22.85	23.7	0.5
40	PI2 BPSK	1	214	22.87	22.88	22.73		
40	PI2 BPSK	108	0	21.60	21.68	21.59		
40	PI2 BPSK	108	54	22.54	22.60	22.56	24.2	0.0
40	PI2 BPSK	108	108	21.86	21.81	21.54	23.7	0.5
40	PI2 BPSK	216	0	21.99	21.63	21.55		
40	QPSK	1	1	23.15	23.27	23.21		
40	QPSK	1	108	23.14	23.12	23.13	24.2	0.0
40	QPSK	1	214	23.10	23.16	23.11	23.2	1.0
40	QPSK	108	0	22.44	22.59	22.50		
40	QPSK	108	54	23.03	23.22	23.06		
40	QPSK	108	108	22.54	22.61	22.49	23.2	0.0
40	QPSK	216	0	22.50	22.59	22.45	23.2	1.0
40	16QAM	1	1	22.76	22.90	22.80		
40	64QAM	1	1	21.30	21.41	21.36		
40	256QAM	1	1	19.26	19.33	19.24	19.7	4.5
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555	24.2	0.0
30	QPSK	1	1	23.12	23.21	23.10	24.2	0.0
Channel				502000	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5	24.2	0.0
25	QPSK	1	1	23.04	23.17	23.20		
Channel				501000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560	24.2	0.0
20	QPSK	1	1	23.09	23.21	23.09		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2514.5	2535	2562.5	24.2	0.0
15	QPSK	1	1	23.08	23.20	23.12		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	24.2	0.0
10	QPSK	1	1	23.06	23.25	23.09		
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	24.2	0.0
5	QPSK	1	1	23.13	23.26	23.11		



n25_ANT 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mask Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI2 BPSK	1	1	22.41	22.44	22.41		
40	PI2 BPSK	1	108	22.41	22.32	22.30	25.2	0.0
40	PI2 BPSK	1	214	22.35	22.36	22.40		
40	PI2 BPSK	108	0	22.16	22.22	22.17	24.7	0.5
40	PI2 BPSK	108	54	22.30	22.38	22.23	25.2	0.0
40	PI2 BPSK	108	108	22.31	22.32	22.32		
40	PI2 BPSK	216	0	22.29	22.37	22.31	24.7	0.5
40	QPSK	1	1	24.16	24.21	24.08		
40	QPSK	1	108	23.92	23.88	23.88	25.2	0.0
40	QPSK	1	214	23.85	23.84	23.77		
40	QPSK	108	0	22.53	22.81	22.80	24.2	1.0
40	QPSK	108	54	23.70	23.78	23.71	25.2	0.0
40	QPSK	108	108	22.88	22.75	22.78	24.2	1.0
40	QPSK	216	0	22.88	22.90	22.77	24.2	1.0
40	16QAM	1	1	23.42	23.31	23.38	24.2	1.0
40	64QAM	1	1	21.88	21.77	21.73	22.7	2.5
40	256QAM	1	1	19.72	19.55	19.60	20.7	4.5
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1885	1882.5	1880		
30	QPSK	1	1	24.11	24.09	23.97	25.2	0.0
Channel				372000	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1892.5		
25	QPSK	1	1	24.16	24.09	23.98	25.2	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1880	1882.5	1905		
20	QPSK	1	1	24.17	24.19	23.97	25.2	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1882.5	1882.5	1897.4		
15	QPSK	1	1	24.17	24.20	24.04	25.2	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	24.09	24.16	23.96	25.2	0.0
Channel				370000	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	24.07	24.12	23.99	25.2	0.0

n30_ANT 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mask Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)
Channel					462000			
Frequency (MHz)					2310			
10	PI2 BPSK	1	1		22.44			
10	PI2 BPSK	1	26		22.39		25.2	0.0
10	PI2 BPSK	1	50		22.37			
10	PI2 BPSK	25	0		21.34		24.7	0.5
10	PI2 BPSK	25	14		22.34		25.2	0.0
10	PI2 BPSK	25	27		21.32		24.7	0.5
10	PI2 BPSK	50	0		21.33			
10	QPSK	1	1		23.77			
10	QPSK	1	26		23.75		25.2	0.0
10	QPSK	1	50		23.69			
10	QPSK	25	0		20.63		24.2	1.0
10	QPSK	25	14		23.64		25.2	0.0
10	QPSK	25	27		22.63		24.2	1.0
10	QPSK	50	0		22.65		24.2	1.0
10	16QAM	1	1		22.55		24.2	1.0
10	64QAM	1	1		21.35		22.7	2.5
10	256QAM	1	1		19.11		20.7	4.5
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	23.71	23.76	23.68	25.2	0.0

n66_ANT 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mask Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	22.39	22.88	22.39		
40	PI2 BPSK	1	108	22.47	22.35	22.40	25.2	0.0
40	PI2 BPSK	1	214	22.32	22.32	22.37		
40	PI2 BPSK	108	0	21.47	21.41	21.28	24.7	0.5
40	PI2 BPSK	108	54	22.43	22.45	22.38	25.2	0.0
40	PI2 BPSK	108	108	21.38	21.47	21.40	24.7	0.5
40	PI2 BPSK	216	0	21.43	21.47	21.36		
40	QPSK	1	1	24.11	24.15	23.99		
40	QPSK	1	108	23.71	23.94	23.74	25.2	0.0
40	QPSK	1	214	23.86	23.89	23.72		
40	QPSK	108	0	22.77	23.02	22.61	24.2	1.0
40	QPSK	108	54	23.71	23.88	23.86	25.2	0.0
40	QPSK	108	108	22.86	22.97	22.70	24.2	1.0
40	QPSK	216	0	22.86	22.93	22.86	24.2	1.0
40	16QAM	1	1	23.12	23.22	22.96	24.2	1.0
40	64QAM	1	1	21.47	21.79	21.32	22.7	2.5
40	256QAM	1	1	19.35	19.59	19.20	20.7	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	24.05	24.03	23.98	25.2	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	24.08	24.11	23.97	25.2	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
15	QPSK	1	1	24.08	24.11	23.88	25.2	0.0
Channel				343000	349000	356000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	24.01	24.10	23.87	25.2	0.0
Channel				342000	349000	356500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	24.08	24.12	23.88	25.2	0.0

n71_ANT 1								
BW (MHz)	Modulation	RE Size	RE Offset	Power Low Ch. f Freq.	Power Mid Ch. f Freq.	Power High Ch. f Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600	25.2	0.0
Frequency (MHz)				673	680.5	688		
20	PI2 BPSK	1	1	22.71	22.74	22.87		
20	PI2 BPSK	1	53	22.58	22.52	22.52	24.7	0.5
20	PI2 BPSK	1	104	22.54	22.45	22.44		
20	PI2 BPSK	50	0	22.48	22.56	22.50		
20	PI2 BPSK	50	28	22.61	22.66	22.51	24.7	0.5
20	PI2 BPSK	50	56	22.59	22.45	22.53		
20	PI2 BPSK	100	0	22.53	22.55	22.50		
20	QPSK	1	1	24.04	24.13	24.09	25.2	0.0
20	QPSK	1	53	24.03	24.05	23.95		
20	QPSK	1	104	23.99	23.98	23.97		
20	QPSK	50	0	22.85	23.02	22.98	24.2	1.0
20	QPSK	50	28	23.93	23.95	23.93		
20	QPSK	50	56	22.93	22.88	22.86		
20	QPSK	100	0	22.59	23.03	22.88	24.2	1.0
20	16QAM	1	1	22.42	23.22	23.30		
20	64QAM	1	1	20.95	21.69	21.86		
20	256QAM	1	1	18.81	19.55	19.60	20.7	4.5
Channel				134100	136100	138100	Tune-up limit	MPR
Frequency (MHz)				670.5	680.5	690.5	(dBm)	(dB)
15	QPSK	1	1	24.01	24.04	24.03	25.2	0.0
Channel				133600	136100	138600	Tune-up limit	MPR
Frequency (MHz)				668	680.5	693	(dBm)	(dB)
10	QPSK	1	1	23.02	24.03	24.08	25.2	0.0
Channel				131100	131100	131100	Tune-up limit	MPR
Frequency (MHz)				665.5	680.5	695.5	(dBm)	(dB)
5	QPSK	1	1	24.01	24.06	24.07	25.2	0.0



Reduced Power for DSI5

n2_ANT 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power MidCh. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850	1880	1900		
20	PI2 BPSK	1	1	16.96	16.97	16.87	18.2	0.0
20	PI2 BPSK	1	53	16.96	16.92	16.85		
20	PI2 BPSK	1	104	16.91	16.93	16.83		
20	PI2 BPSK	50	0	16.95	16.90	16.88	18.2	0.0
20	PI2 BPSK	50	26	16.91	16.95	16.91	18.2	0.0
20	PI2 BPSK	50	56	16.96	16.96	16.85	18.2	0.0
20	PI2 BPSK	100	0	16.91	16.92	16.84		
20	QPSK	1	1	16.92	17.02	16.99		
20	QPSK	1	53	17.01	16.94	16.94	18.2	0.0
20	QPSK	1	104	16.90	16.91	16.92	18.2	0.0
20	QPSK	50	0	16.97	16.93	16.86		
20	QPSK	50	26	16.96	16.95	16.92		
20	QPSK	50	56	16.92	16.91	16.84	18.2	0.0
20	QPSK	100	0	16.89	16.90	16.87		
20	16QAM	1	1	16.91	16.93	16.91	18.2	0.0
20	64QAM	1	1	16.91	16.97	16.88	18.2	0.0
20	256QAM	1	1	16.91	16.90	16.88	18.2	0.0
Channel				371000	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1902.5	(dBm)	(dB)
15	QPSK	1	1	16.97	16.97	16.90	18.2	0.0
Channel				373000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905	(dBm)	(dB)
10	QPSK	1	1	16.93	16.92	16.89	18.2	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1907.5	(dBm)	(dB)
5	QPSK	1	1	16.95	16.96	16.85	18.2	0.0

n5_ANT 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power MidCh. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	22.30	22.52	22.36	23.7	0.0
20	PI2 BPSK	1	53	22.34	22.53	22.38		
20	PI2 BPSK	1	104	22.33	22.49	22.39		
20	PI2 BPSK	50	0	22.36	22.49	22.40	23.7	0.0
20	PI2 BPSK	50	26	22.34	22.46	22.35	23.7	0.0
20	PI2 BPSK	50	56	22.32	22.48	22.41	23.7	0.0
20	PI2 BPSK	100	0	22.35	22.53	22.41		
20	QPSK	1	1	22.44	22.55	22.44		
20	QPSK	1	53	22.43	22.51	22.38	23.7	0.0
20	QPSK	1	104	22.41	22.56	22.35	23.7	0.0
20	QPSK	50	0	22.43	22.50	22.42		
20	QPSK	50	26	22.36	22.55	22.42		
20	QPSK	50	56	22.32	22.53	22.36	23.7	0.0
20	QPSK	100	0	22.33	22.48	22.33		
20	16QAM	1	1	22.34	22.47	22.37	23.7	0.0
20	64QAM	1	1	20.79	20.98	20.86	22.2	1.5
20	256QAM	1	1	18.81	18.97	18.90	20.2	3.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)
15	QPSK	1	1	22.35	22.54	22.38	23.7	0.0
Channel				165500	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844	(dBm)	(dB)
10	QPSK	1	1	22.34	22.49	22.39	23.7	0.0
Channel				165300	167300	169500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)
5	QPSK	1	1	22.29	22.51	22.53	23.7	0.0

n7_ANT 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power MidCh. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	PI2 BPSK	1	1	15.84	15.87	15.78	16.7	0.0
40	PI2 BPSK	1	108	15.83	15.88	15.84		
40	PI2 BPSK	1	214	15.83	15.84	15.79		
40	PI2 BPSK	108	0	15.81	15.80	15.79	16.7	0.0
40	PI2 BPSK	108	54	15.86	15.87	15.82	16.7	0.0
40	PI2 BPSK	108	108	15.85	15.82	15.79	16.7	0.0
40	PI2 BPSK	216	0	15.80	15.81	15.83		
40	QPSK	1	1	15.92	15.98	15.89		
40	QPSK	1	108	15.88	15.97	15.84	16.7	0.0
40	QPSK	1	214	15.83	15.96	15.80	16.7	0.0
40	QPSK	108	0	15.78	15.85	15.85		
40	QPSK	108	54	15.87	15.95	15.87		
40	QPSK	108	108	15.86	15.85	15.84	16.7	0.0
40	QPSK	216	0	15.82	15.87	15.84		
40	16QAM	1	1	15.79	15.88	15.83	16.7	0.0
40	64QAM	1	1	15.85	15.84	15.79	16.7	0.0
40	256QAM	1	1	15.81	15.81	15.85	16.7	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)
30	QPSK	1	1	15.78	15.86	15.78	16.7	0.0
Channel				502000	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)
25	QPSK	1	1	15.76	15.77	15.75	16.7	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)
20	QPSK	1	1	15.80	15.84	15.81	16.7	0.0
Channel				501000	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	1	15.85	15.86	15.80	16.7	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	1	15.81	15.84	15.86	16.7	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	QPSK	1	1	15.75	15.85	15.84	16.7	0.0

n25_ANT 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mask Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI2 BPSK	1	1	16.99	17.05	17.00		
40	PI2 BPSK	1	108	17.01	16.99	16.97	18.2	0.0
40	PI2 BPSK	1	214	16.97	16.99	16.95		
40	PI2 BPSK	108	0	16.99	17.06	16.94	18.2	0.0
40	PI2 BPSK	108	54	16.96	17.06	16.95	18.2	0.0
40	PI2 BPSK	108	108	16.98	17.03	17.00		
40	PI2 BPSK	216	0	16.97	17.06	16.95	18.2	0.0
40	QPSK	1	1	17.09	17.11	17.04		
40	QPSK	1	108	17.06	17.06	16.96	18.2	0.0
40	QPSK	1	214	17.03	17.05	16.96		
40	QPSK	108	0	16.98	17.02	17.02	18.2	0.0
40	QPSK	108	54	17.04	17.06	17.03	18.2	0.0
40	QPSK	108	108	16.98	17.06	16.95		
40	QPSK	216	0	16.99	17.05	16.99	18.2	0.0
40	16QAM	1	1	16.96	17.04	16.99	18.2	0.0
40	64QAM	1	1	16.95	17.05	16.94	18.2	0.0
40	256QAM	1	1	17.00	17.04	16.95	18.2	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	16.95	16.99	17.02	18.2	0.0
Channel				1862.5	1882.5	1902.5		
25	QPSK	1	1	16.97	16.99	16.87	18.2	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	17.00	16.99	17.00	18.2	0.0
Channel				371000	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	16.97	17.06	17.00	18.2	0.0
Channel				370000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	17.01	17.04	16.94	18.2	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	17.03	17.00	17.02	18.2	0.0

n30_ANT 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mask Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)
Channel				462000				
Frequency (MHz)				2310				
10	PI2 BPSK	1	1		17.85			
10	PI2 BPSK	1	25		17.83		18.7	0.0
10	PI2 BPSK	1	50		17.80			
10	PI2 BPSK	25	0		17.86		18.7	0.0
10	PI2 BPSK	25	14		17.87		18.7	0.0
10	PI2 BPSK	25	27		17.79			
10	PI2 BPSK	50	0		17.87		18.7	0.0
10	QPSK	1	1		17.85			
10	QPSK	1	25		17.97		18.7	0.0
10	QPSK	1	50		17.97			
10	QPSK	25	0		17.83		18.7	0.0
10	QPSK	25	14		17.85		18.7	0.0
10	QPSK	25	27		17.86			
10	QPSK	50	0		17.82		18.7	0.0
10	16QAM	1	1		17.87		18.7	0.0
10	64QAM	1	1		17.86		18.7	0.0
10	256QAM	1	1		17.80		18.7	0.0
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	17.87	17.82	17.82	18.7	0.0

n66_ANT 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mask Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	17.44	17.42	17.39		
40	PI2 BPSK	1	108	17.41	17.44	17.36	18.2	0.0
40	PI2 BPSK	1	214	17.39	17.44	17.43		
40	PI2 BPSK	108	0	17.41	17.42	17.38	18.2	0.0
40	PI2 BPSK	108	54	17.46	17.43	17.36	18.2	0.0
40	PI2 BPSK	108	108	17.46	17.44	17.38		
40	PI2 BPSK	216	0	17.36	17.41	17.36	18.2	0.0
40	QPSK	1	1	17.51	17.53	17.50		
40	QPSK	1	108	17.50	17.48	17.43	18.2	0.0
40	QPSK	1	214	17.47	17.48	17.41		
40	QPSK	108	0	17.44	17.45	17.35	18.2	0.0
40	QPSK	108	54	17.47	17.45	17.44	18.2	0.0
40	QPSK	108	108	17.42	17.43	17.36	18.2	0.0
40	QPSK	216	0	17.43	17.48	17.35		
40	16QAM	1	1	17.39	17.46	17.35	18.2	0.0
40	64QAM	1	1	17.42	17.45	17.36	18.2	0.0
40	256QAM	1	1	17.39	17.46	17.39	18.2	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	17.40	17.41	17.43	18.2	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	17.38	17.40	17.35	18.2	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	17.38	17.45	17.42	18.2	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	17.46	17.46	17.36	18.2	0.0
Channel				342000	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	17.43	17.42	17.35	18.2	0.0



n38_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								
Frequency (MHz)				518004	519000	519996		
40	P12 BPSK	1	1	2595.02	2595	2599.98		
40	P12 BPSK	1	1	15.26	15.25	15.16		
40	P12 BPSK	1	53	15.26	15.23	15.17	16.7	0.0
40	P12 BPSK	1	104	15.29	15.25	15.18		
40	P12 BPSK	50	0	15.26	15.31	15.22	16.7	0.0
40	P12 BPSK	50	28	15.21	15.28	15.21	16.7	0.0
40	P12 BPSK	50	56	15.29	15.24	15.21		
40	P12 BPSK	100	0	15.27	15.26	15.24	16.7	0.0
40	QPSK	1	1	15.35	15.35	15.27		
40	QPSK	1	53	15.30	15.35	15.22	16.7	0.0
40	QPSK	1	104	15.33	15.30	15.24		
40	QPSK	50	0	15.26	15.31	15.21		
40	QPSK	50	28	15.30	15.32	15.25	16.7	0.0
40	QPSK	50	56	15.29	15.28	15.17		
40	QPSK	100	0	15.26	15.27	15.20	16.7	0.0
40	16QAM	1	1	15.25	15.23	15.23	16.7	0.0
40	64QAM	1	1	15.25	15.29	15.22	16.7	0.0
40	256QAM	1	1	15.28	15.30	15.23	16.7	0.0
Channel								
Frequency (MHz)				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	2594.01	2595	2594.99	16.7	0.0
Channel								
Frequency (MHz)				518000	519000	520000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	2590	2595	2610	16.7	0.0

n41(PC2)_FCC_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								
Frequency (MHz)				509202	518098	528000		
Frequency (MHz)				2546.01	2592.99	2650		
100	P12 BPSK	1	1	15.28	15.35	15.17		
100	P12 BPSK	1	137	15.31	15.35	15.17	16.7	0.0
100	P12 BPSK	1	271	15.28	15.35	15.22		
100	P12 BPSK	135	0	15.32	15.37	15.25	16.7	0.0
100	P12 BPSK	135	69	15.31	15.37	15.24	16.7	0.0
100	P12 BPSK	135	133	15.26	15.36	15.21		
100	P12 BPSK	230	0	15.32	15.38	15.21	16.7	0.0
100	QPSK	1	1	15.36	15.41	15.35		
100	QPSK	1	137	15.35	15.34	15.32	16.7	0.0
100	QPSK	1	271	15.34	15.33	15.33		
100	QPSK	135	0	15.26	15.30	15.21		
100	QPSK	135	69	15.33	15.39	15.26	16.7	0.0
100	QPSK	135	138	15.31	15.31	15.20		
100	QPSK	270	0	15.28	15.38	15.19	16.7	0.0
100	16QAM	1	1	15.27	15.35	15.22	16.7	0.0
100	64QAM	1	1	15.28	15.37	15.25	16.7	0.0
100	256QAM	1	1	15.25	15.31	15.21	16.7	0.0
Channel								
Frequency (MHz)				508200	518098	528996	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	2541	2592.99	2644.98	16.7	0.0
Channel								
Frequency (MHz)				507204	518098	528996	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	2536.02	2592.99	2644.99	16.7	0.0
Channel								
Frequency (MHz)				506202	518098	528000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	15.27	15.37	15.17	16.7	0.0
Channel								
Frequency (MHz)				505200	518098	531996	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	2531.01	2592.99	2655	16.7	0.0
Channel								
Frequency (MHz)				504204	518098	532996	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	2521.02	2592.99	2664.99	16.7	0.0
Channel								
Frequency (MHz)				503202	518098	533000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	15.28	15.35	15.17	16.7	0.0
Channel								
Frequency (MHz)				502200	518098	534996	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	2511	2592.99	2674.98	16.7	0.0
Channel								
Frequency (MHz)				501204	518098	535996	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	2506.02	2592.99	2679.99	16.7	0.0

n41(PC3)_FCC_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								
Frequency (MHz)				508202	518098	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	P12 BPSK	1	1	15.28	15.35	15.17		
100	P12 BPSK	1	137	15.31	15.35	15.17	16.7	0.0
100	P12 BPSK	1	271	15.28	15.35	15.22		
100	P12 BPSK	135	0	15.32	15.37	15.25	16.7	0.0
100	P12 BPSK	135	69	15.31	15.37	15.24	16.7	0.0
100	P12 BPSK	135	138	15.26	15.36	15.21		
100	P12 BPSK	270	0	15.32	15.38	15.21	16.7	0.0
100	QPSK	1	1	15.36	15.41	15.35		
100	QPSK	1	137	15.35	15.34	15.32	16.7	0.0
100	QPSK	1	271	15.34	15.33	15.33		
100	QPSK	135	0	15.26	15.30	15.21		
100	QPSK	135	69	15.33	15.39	15.26	16.7	0.0
100	QPSK	135	138	15.31	15.31	15.20		
100	QPSK	270	0	15.28	15.38	15.19	16.7	0.0
100	16QAM	1	1	15.27	15.35	15.22	16.7	0.0
100	64QAM	1	1	15.28	15.37	15.25	16.7	0.0
100	256QAM	1	1	15.25	15.31	15.21	16.7	0.0
Channel								
Frequency (MHz)				508200	518098	528996	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	2541	2592.99	2644.98	16.7	0.0
Channel								
Frequency (MHz)				507204	518098	528996	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	2536.02	2592.99	2644.99	16.7	0.0
Channel								
Frequency (MHz)				506202	518098	528000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	15.27	15.37	15.17	16.7	0.0
Channel								
Frequency (MHz)				505200	518098	531996	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	2531.01	2592.99	2655.98	16.7	0.0
Channel								
Frequency (MHz)				504204	518098	532996	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	2521.02	2592.99	2664.99	16.7	0.0
Channel								
Frequency (MHz)				503202	518098	533000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	15.28	15.35	15.17	16.7	0.0
Channel								
Frequency (MHz)				502200	518098	534996	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	2511	2592.99	2674.98	16.7	0.0
Channel								
Frequency (MHz)				501204	518098	535996	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	2506.02	2592.99	2679.99	16.7	0.0

n41(PC2)_FCC_ANT 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Med. Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI2 BPSK	1	1	16.28	16.35	16.17		
100	PI2 BPSK	1	137	16.31	16.35	16.17	17.7	0.0
100	PI2 BPSK	1	271	16.28	16.35	16.22		
100	PI2 BPSK	135	0	16.32	16.37	16.25	17.7	0.0
100	PI2 BPSK	135	69	16.31	16.37	16.24	17.7	0.0
100	PI2 BPSK	135	135	16.26	16.36	16.21		
100	PI2 BPSK	270	0	16.32	16.38	16.21	17.7	0.0
100	QPSK	1	1	16.36	16.41	16.35		
100	QPSK	1	137	16.35	16.34	16.32	17.7	0.0
100	QPSK	1	271	16.34	16.33	16.33		
100	QPSK	135	0	16.26	16.30	16.21		
100	QPSK	135	69	16.33	16.39	16.26	17.7	0.0
100	QPSK	135	135	16.31	16.31	16.20		
100	QPSK	270	0	16.28	16.38	16.19	17.7	0.0
100	64QAM	1	1	16.27	16.36	16.23	17.7	0.0
100	64QAM	1	1	16.28	16.37	16.25	17.7	0.0
100	256QAM	1	1	16.25	16.31	16.21	17.7	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
80	QPSK	1	1	16.30	16.35	16.21	17.7	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	16.28	16.33	16.23	17.7	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	16.27	16.37	16.17	17.7	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	16.28	16.37	16.25	17.7	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	16.32	16.35	16.18	17.7	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	16.28	16.35	16.17	17.7	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	16.30	16.38	16.17	17.7	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	16.29	16.35	16.18	17.7	0.0

n41(PC3)_FCC_ANT 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Med. Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI2 BPSK	1	1	16.28	16.35	16.17		
100	PI2 BPSK	1	137	16.31	16.35	16.17	17.7	0.0
100	PI2 BPSK	1	271	16.28	16.35	16.22		
100	PI2 BPSK	135	0	16.32	16.37	16.25	17.7	0.0
100	PI2 BPSK	135	69	16.31	16.37	16.24	17.7	0.0
100	PI2 BPSK	135	135	16.26	16.36	16.21		
100	PI2 BPSK	270	0	16.32	16.38	16.21	17.7	0.0
100	QPSK	1	1	16.36	16.41	16.35		
100	QPSK	1	137	16.35	16.34	16.32	17.7	0.0
100	QPSK	1	271	16.34	16.33	16.33		
100	QPSK	135	0	16.26	16.30	16.21		
100	QPSK	135	69	16.33	16.39	16.26	17.7	0.0
100	QPSK	135	135	16.31	16.31	16.20		
100	QPSK	270	0	16.28	16.38	16.19	17.7	0.0
100	64QAM	1	1	16.27	16.36	16.23	17.7	0.0
100	64QAM	1	1	16.28	16.37	16.25	17.7	0.0
100	256QAM	1	1	16.25	16.31	16.21	17.7	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	16.30	16.35	16.21	17.7	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	16.28	16.33	16.23	17.7	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	16.27	16.37	16.17	17.7	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	16.28	16.37	16.25	17.7	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	16.32	16.35	16.18	17.7	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	16.28	16.35	16.17	17.7	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	16.30	16.38	16.17	17.7	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	16.29	16.35	16.18	17.7	0.0

n41(PC2)_FCC_ANT 6								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Med Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI2 BPSK	1	1	17.22	17.28	17.34		
100	PI2 BPSK	1	137	17.18	17.32	17.23	18.2	0.0
100	PI2 BPSK	1	271	17.18	17.32	17.25		
100	PI2 BPSK	135	0	17.18	17.36	17.18	18.2	0.0
100	PI2 BPSK	135	69	17.23	17.33	17.25	18.2	0.0
100	PI2 BPSK	135	135	17.21	17.35	17.26		
100	PI2 BPSK	270	0	17.20	17.30	17.23	18.2	0.0
100	QPSK	1	1	17.32	17.40	17.36		
100	QPSK	1	137	17.27	17.34	17.35	18.2	0.0
100	QPSK	1	271	17.25	17.36	17.27		
100	QPSK	135	0	17.25	17.36	17.20		
100	QPSK	135	69	17.26	17.37	17.27	18.2	0.0
100	QPSK	135	135	17.17	17.29	17.21		
100	QPSK	270	0	17.24	17.36	17.19	18.2	0.0
100	16QAM	1	1	17.24	17.28	17.21	18.2	0.0
100	64QAM	1	1	17.17	17.29	17.20	18.2	0.0
100	256QAM	1	1	17.18	17.29	17.22	18.2	0.0
Channel				508200	518598	528996	Tune-up limit (dB)	MPR
Frequency (MHz)				2641	2692.99	2644.98		
90	QPSK	1	1	17.20	17.31	17.18	18.2	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2636.02	2692.99	2640.99		
80	QPSK	1	1	17.22	17.33	17.25	18.2	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2631.01	2692.99	2655		
70	QPSK	1	1	17.24	17.31	17.26	18.2	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2626	2692.99	2674.98		
60	QPSK	1	1	17.18	17.32	17.22	18.2	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2621.02	2692.99	2664.99		
50	QPSK	1	1	17.25	17.33	17.20	18.2	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2616.01	2692.99	2670		
40	QPSK	1	1	17.22	17.34	17.22	18.2	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2611	2692.99	2674.98		
30	QPSK	1	1	17.22	17.29	17.26	18.2	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2606.02	2692.99	2670.99		
20	QPSK	1	1	17.24	17.28	17.24	18.2	0.0

n41(PC3)_FCC_ANT 6								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Med Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI2 BPSK	1	1	17.22	17.28	17.28		
100	PI2 BPSK	1	137	17.18	17.32	17.23	18.2	0.0
100	PI2 BPSK	1	271	17.18	17.32	17.25		
100	PI2 BPSK	135	0	17.18	17.36	17.18	18.2	0.0
100	PI2 BPSK	135	69	17.23	17.33	17.25	18.2	0.0
100	PI2 BPSK	135	135	17.21	17.35	17.26		
100	PI2 BPSK	270	0	17.20	17.30	17.23	18.2	0.0
100	QPSK	1	1	17.32	17.40	17.36		
100	QPSK	1	137	17.27	17.34	17.35	18.2	0.0
100	QPSK	1	271	17.25	17.36	17.27		
100	QPSK	135	0	17.25	17.36	17.20		
100	QPSK	135	69	17.26	17.37	17.27	18.2	0.0
100	QPSK	135	135	17.17	17.29	17.21		
100	QPSK	270	0	17.24	17.36	17.19	18.2	0.0
100	16QAM	1	1	17.24	17.28	17.21	18.2	0.0
100	64QAM	1	1	17.17	17.29	17.20	18.2	0.0
100	256QAM	1	1	17.18	17.29	17.22	18.2	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2641	2692.99	2644.98		
90	QPSK	1	1	17.20	17.31	17.18	18.2	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2636.02	2692.99	2640.99		
80	QPSK	1	1	17.22	17.33	17.25	18.2	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2631.01	2692.99	2655		
70	QPSK	1	1	17.24	17.31	17.26	18.2	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2626	2692.99	2674.98		
60	QPSK	1	1	17.18	17.32	17.22	18.2	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2621.02	2692.99	2664.99		
50	QPSK	1	1	17.25	17.33	17.20	18.2	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2616.01	2692.99	2670		
40	QPSK	1	1	17.22	17.34	17.22	18.2	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2611	2692.99	2674.98		
30	QPSK	1	1	17.22	17.29	17.26	18.2	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2606.02	2692.99	2670.99		
20	QPSK	1	1	17.24	17.28	17.24	18.2	0.0



Reduced Power for DSI10/15

n2_ANT 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mask Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	PI2 BPSK	1	1	15.81	15.90	15.88	17.2	0.0
20	PI2 BPSK	1	53	15.87	15.91	15.81		
20	PI2 BPSK	1	104	15.95	15.89	15.84	17.2	0.0
20	PI2 BPSK	50	0	15.81	15.92	15.87		
20	PI2 BPSK	50	26	15.86	15.88	15.83	17.2	0.0
20	PI2 BPSK	50	56	15.81	15.87	15.86		
20	PI2 BPSK	100	0	15.86	15.91	15.87	17.2	0.0
20	QPSK	1	1	15.95	15.97	15.91		
20	QPSK	1	53	15.94	15.92	15.84	17.2	0.0
20	QPSK	1	104	15.93	15.92	15.83		
20	QPSK	50	0	15.88	15.88	15.87	17.2	0.0
20	QPSK	50	26	15.99	15.96	15.90		
20	QPSK	50	56	15.81	15.94	15.82	17.2	0.0
20	QPSK	100	0	15.83	15.90	15.89		
20	16QAM	1	1	15.82	15.90	15.85	17.2	0.0
20	64QAM	1	1	15.82	15.94	15.81		
20	256QAM	1	1	15.88	15.88	15.81	17.2	0.0
Channel				371000	376000	380500		
Frequency (MHz)				1867.5	1880	1902.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	15.88	15.92	15.87	17.2	0.0
Channel				1855	1880	1905		
Frequency (MHz)				1855	1880	1905	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	15.84	15.88	15.84	17.2	0.0
Channel				370500	376000	381500		
Frequency (MHz)				1862.5	1880	1897.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	15.87	15.94	15.87	17.2	0.0

n5_ANT 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mask Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	21.44	21.49	21.32	22.7	0.0
20	PI2 BPSK	1	53	21.40	21.51	21.33		
20	PI2 BPSK	1	104	21.38	21.52	21.32	22.7	0.0
20	PI2 BPSK	50	0	21.41	21.48	21.35		
20	PI2 BPSK	50	26	21.44	21.54	21.36	22.7	0.0
20	PI2 BPSK	50	56	21.40	21.47	21.32		
20	PI2 BPSK	100	0	21.42	21.48	21.35	22.7	0.0
20	QPSK	1	1	21.50	21.56	21.47		
20	QPSK	1	53	21.47	21.47	21.42	22.7	0.0
20	QPSK	1	104	21.41	21.53	21.40		
20	QPSK	50	0	21.43	21.49	21.36	22.7	0.0
20	QPSK	50	26	21.40	21.55	21.39		
20	QPSK	50	56	21.41	21.46	21.38	22.7	0.0
20	QPSK	100	0	21.43	21.47	21.30		
20	16QAM	1	1	21.42	21.47	21.33	22.7	0.0
20	64QAM	1	1	21.03	21.06	20.92		
20	256QAM	1	1	18.84	19.15	19.05	22.5	2.5
Channel				166300	167300	168300		
Frequency (MHz)				831.5	836.5	841.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	21.43	21.49	21.37	22.7	0.0
Channel				165500	167300	169300		
Frequency (MHz)				829	836.5	844	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	21.43	21.51	21.30	22.7	0.0
Channel				165300	167300	169500		
Frequency (MHz)				826.5	836.5	846.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	21.38	21.47	21.33	22.7	0.0

n7_ANT 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mask Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	PI2 BPSK	1	1	14.78	14.80	14.74	15.7	0.0
40	PI2 BPSK	1	108	14.73	14.80	14.75		
40	PI2 BPSK	1	216	14.76	14.77	14.79	15.7	0.0
40	PI2 BPSK	108	0	14.77	14.79	14.79		
40	PI2 BPSK	108	54	14.80	14.76	14.74	15.7	0.0
40	PI2 BPSK	108	108	14.73	14.83	14.75		
40	PI2 BPSK	216	0	14.80	14.83	14.75	15.7	0.0
40	QPSK	1	1	14.91	14.98	14.90		
40	QPSK	1	108	14.89	14.88	14.86	15.7	0.0
40	QPSK	1	216	14.85	14.89	14.85		
40	QPSK	108	0	14.81	14.78	14.76	15.7	0.0
40	QPSK	108	54	14.92	14.85	14.82		
40	QPSK	108	108	14.75	14.82	14.80	15.7	0.0
40	QPSK	216	0	14.80	14.82	14.81		
40	16QAM	1	1	14.77	14.84	14.77	15.7	0.0
40	64QAM	1	1	14.79	14.78	14.77		
40	256QAM	1	1	14.76	14.84	14.81	15.7	0.0
Channel				503000	507000	511000		
Frequency (MHz)				2515	2535	2555	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	14.77	14.81	14.80	15.7	0.0
Channel				502000	507000	512000		
Frequency (MHz)				2512.5	2535	2557.5	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	14.69	14.70	14.78	15.7	0.0
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	14.78	14.79	14.80	15.7	0.0
Channel				501000	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	14.75	14.81	14.80	15.7	0.0
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	14.77	14.80	14.73	15.7	0.0
Channel				500500	507000	513500		
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	14.81	14.83	14.78	15.7	0.0

n25_ANT 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mask Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI2 BPSK	1	1	15.92	15.94	15.97		
40	PI2 BPSK	1	108	15.94	16.01	15.90	17.2	0.0
40	PI2 BPSK	1	214	15.92	16.01	15.95	17.2	0.0
40	PI2 BPSK	108	0	15.96	15.97	15.93	17.2	0.0
40	PI2 BPSK	108	54	15.97	16.02	15.94	17.2	0.0
40	PI2 BPSK	108	108	15.94	15.95	15.97		
40	PI2 BPSK	216	0	15.95	16.01	15.96	17.2	0.0
40	QPSK	1	1	16.09	16.11	16.05		
40	QPSK	1	108	16.04	16.08	15.97	17.2	0.0
40	QPSK	1	214	16.06	16.04	16.01		
40	QPSK	108	0	15.91	15.94	15.91	17.2	0.0
40	QPSK	108	54	16.00	16.03	15.99	17.2	0.0
40	QPSK	108	108	15.92	16.02	15.93	17.2	0.0
40	QPSK	216	0	15.93	15.96	15.90		
40	16QAM	1	1	15.91	15.97	15.95	17.2	0.0
40	64QAM	1	1	15.95	16.00	15.96	17.2	0.0
40	256QAM	1	1	15.94	15.98	15.95	17.2	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	15.94	15.97	15.92	17.2	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
25	QPSK	1	1	15.94	15.97	15.91	17.2	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	15.93	15.98	15.91	17.2	0.0
Channel				371000	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	15.93	15.96	15.92	17.2	0.0
Channel				370000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	15.94	16.02	15.97	17.2	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	15.93	15.99	15.92	17.2	0.0

n30_ANT 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mask Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				462000	462000			
Frequency (MHz)				2310				
10	PI2 BPSK	1	1		16.83			
10	PI2 BPSK	1	26		16.88		17.7	0.0
10	PI2 BPSK	1	30		16.87		17.7	0.0
10	PI2 BPSK	25	0		16.83		17.7	0.0
10	PI2 BPSK	25	14		16.85		17.7	0.0
10	PI2 BPSK	25	27		16.89		17.7	0.0
10	PI2 BPSK	50	0		16.83		17.7	0.0
10	QPSK	1	1		16.97			
10	QPSK	1	26		16.91		17.7	0.0
10	QPSK	1	50		16.93		17.7	0.0
10	QPSK	25	0		16.87		17.7	0.0
10	QPSK	25	14		16.92		17.7	0.0
10	QPSK	25	27		16.83		17.7	0.0
10	QPSK	50	0		16.90		17.7	0.0
10	16QAM	1	1		16.87		17.7	0.0
10	64QAM	1	1		16.83		17.7	0.0
10	256QAM	1	1		16.89		17.7	0.0
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	16.85	16.84	16.86	17.7	0.0

n66_ANT 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mask Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	16.25	16.36	16.27		
40	PI2 BPSK	1	108	16.27	16.30	16.33	17.2	0.0
40	PI2 BPSK	1	214	16.29	16.39	16.32		
40	PI2 BPSK	108	0	16.23	16.39	16.29	17.2	0.0
40	PI2 BPSK	108	54	16.27	16.39	16.27	17.2	0.0
40	PI2 BPSK	108	108	16.28	16.32	16.31		
40	PI2 BPSK	216	0	16.31	16.34	16.31	17.2	0.0
40	QPSK	1	1	16.41	16.47	16.45		
40	QPSK	1	108	16.36	16.43	16.38	17.2	0.0
40	QPSK	1	214	16.39	16.42	16.42		
40	QPSK	108	0	16.23	16.34	16.28	17.2	0.0
40	QPSK	108	54	16.32	16.40	16.36	17.2	0.0
40	QPSK	108	108	16.25	16.32	16.28	17.2	0.0
40	QPSK	216	0	16.29	16.37	16.35		
40	16QAM	1	1	16.24	16.37	16.35	17.2	0.0
40	64QAM	1	1	16.28	16.34	16.35	17.2	0.0
40	256QAM	1	1	16.30	16.35	16.35	17.2	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	16.25	16.38	16.31	17.2	0.0
Channel				345000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	16.29	16.33	16.31	17.2	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1772.5		
15	QPSK	1	1	16.27	16.31	16.27	17.2	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	16.29	16.39	16.35	17.2	0.0
Channel				342000	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	16.31	16.32	16.33	17.2	0.0



n38_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				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	13.45	13.56	13.50		
40	PI2 BPSK	1	53	13.43	13.53	13.44	14.7	0.0
40	PI2 BPSK	1	104	13.46	13.58	13.55		
40	PI2 BPSK	50	0	13.47	13.61	13.48	14.7	0.0
40	PI2 BPSK	50	28	13.45	13.56	13.55	14.7	0.0
40	PI2 BPSK	50	56	13.46	13.56	13.48		
40	PI2 BPSK	100	0	13.44	13.58	13.54	14.7	0.0
40	QPSK	1	1	13.56	13.63	13.62		
40	QPSK	1	53	13.47	13.55	13.58	14.7	0.0
40	QPSK	1	104	13.47	13.55	13.57		
40	QPSK	50	0	13.45	13.61	13.54		
40	QPSK	50	28	13.51	13.62	13.57	14.7	0.0
40	QPSK	50	56	13.44	13.56	13.51		
40	QPSK	100	0	13.42	13.58	13.49	14.7	0.0
40	16QAM	1	1	13.45	13.55	13.56	14.7	0.0
40	64QAM	1	1	13.50	13.59	13.48	14.7	0.0
40	256QAM	1	1	13.49	13.55	13.48	14.7	0.0
Channel				517002	519000	520998	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				2584.01	2589	2594.99		
30	QPSK	1	1	13.43	13.55	13.48	14.7	0.0
Channel				516000	519000	520000	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	13.48	13.53	13.55	14.7	0.0

n41(PC3)_FCC_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				509202	518098	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI2 BPSK	1	1	13.55	13.62	13.53		
100	PI2 BPSK	1	137	13.55	13.60	13.53	14.7	0.0
100	PI2 BPSK	1	271	13.52	13.61	13.57		
100	PI2 BPSK	135	0	13.53	13.57	13.60	14.7	0.0
100	PI2 BPSK	135	69	13.59	13.63	13.54	14.7	0.0
100	PI2 BPSK	135	133	13.51	13.61	13.53		
100	PI2 BPSK	230	0	13.55	13.61	13.52	14.7	0.0
100	QPSK	1	1	13.63	13.71	13.62		
100	QPSK	1	137	13.55	13.65	13.53	14.7	0.0
100	QPSK	1	271	13.57	13.70	13.53		
100	QPSK	135	0	13.59	13.55	13.55		
100	QPSK	135	69	13.60	13.64	13.61	14.7	0.0
100	QPSK	135	138	13.56	13.63	13.52		
100	QPSK	270	0	13.51	13.63	13.59	14.7	0.0
100	16QAM	1	1	13.51	13.62	13.57	14.7	0.0
100	64QAM	1	1	13.55	13.63	13.55	14.7	0.0
100	256QAM	1	1	13.52	13.55	13.56	14.7	0.0
Channel				508200	518098	528996	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	13.51	13.59	13.55	14.7	0.0
Channel				507204	518098	529996	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2644.99		
80	QPSK	1	1	13.51	13.57	13.54	14.7	0.0
Channel				506202	518098	531000	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	13.58	13.61	13.52	14.7	0.0
Channel				505200	518098	531996	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	13.56	13.58	13.54	14.7	0.0
Channel				504204	518098	532996	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	13.53	13.57	13.59	14.7	0.0
Channel				503202	518098	534000	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	13.56	13.60	13.56	14.7	0.0
Channel				502200	518098	534996	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.99		
30	QPSK	1	1	13.51	13.61	13.54	14.7	0.0
Channel				501204	518098	535996	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	13.58	13.59	13.51	14.7	0.0

n41(PC2)_FCC_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				508202	518098	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI2 BPSK	1	1	13.55	13.62	13.53		
100	PI2 BPSK	1	137	13.55	13.60	13.53	14.7	0.0
100	PI2 BPSK	1	271	13.52	13.61	13.57		
100	PI2 BPSK	135	0	13.53	13.57	13.60	14.7	0.0
100	PI2 BPSK	135	69	13.59	13.63	13.54	14.7	0.0
100	PI2 BPSK	135	138	13.51	13.61	13.53		
100	PI2 BPSK	270	0	13.59	13.61	13.52	14.7	0.0
100	QPSK	1	1	13.63	13.71	13.62		
100	QPSK	1	137	13.55	13.65	13.53	14.7	0.0
100	QPSK	1	271	13.57	13.70	13.53		
100	QPSK	135	0	13.59	13.55	13.55		
100	QPSK	135	69	13.60	13.64	13.61	14.7	0.0
100	QPSK	135	138	13.56	13.63	13.52		
100	QPSK	270	0	13.51	13.63	13.59	14.7	0.0
100	16QAM	1	1	13.51	13.62	13.57	14.7	0.0
100	64QAM	1	1	13.55	13.63	13.55	14.7	0.0
100	256QAM	1	1	13.52	13.55	13.56	14.7	0.0
Channel				508200	518098	528996	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	13.51	13.59	13.55	14.7	0.0
Channel				507204	518098	529996	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2644.99		
80	QPSK	1	1	13.51	13.57	13.54	14.7	0.0
Channel				506202	518098	531000	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	13.58	13.61	13.52	14.7	0.0
Channel				505200	518098	531996	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	13.56	13.58	13.54	14.7	0.0
Channel				504204	518098	532996	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	13.53	13.57	13.59	14.7	0.0
Channel				503202	518098	534000	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	13.56	13.60	13.56	14.7	0.0
Channel				502200	518098	534996	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.99		
30	QPSK	1	1	13.51	13.61	13.54	14.7	0.0
Channel				501204	518098	535996	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	13.58	13.59	13.51	14.7	0.0



n41(PC3)_FCC_ANT 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Med. Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	P12 BPSK	1	1	15.38	15.47	15.39			
100	P12 BPSK	1	137	15.40	15.50	15.41	16.7	0.0	
100	P12 BPSK	1	271	15.37	15.49	15.37			
100	P12 BPSK	135	0	15.36	15.47	15.36	16.7	0.0	
100	P12 BPSK	135	69	15.40	15.52	15.39	16.7	0.0	
100	P12 BPSK	135	135	15.39	15.54	15.39			
100	P12 BPSK	270	0	15.36	15.54	15.39	16.7	0.0	
100	QPSK	1	1	15.48	15.57	15.54			
100	QPSK	1	137	15.43	15.50	15.52	16.7	0.0	
100	QPSK	1	271	15.41	15.56	15.49			
100	QPSK	135	0	15.36	15.40	15.36	16.7	0.0	
100	QPSK	135	69	15.44	15.56	15.46			
100	QPSK	135	135	15.36	15.54	15.41			
100	QPSK	270	0	15.43	15.51	15.42	16.7	0.0	
100	64QAM	1	1	15.36	15.53	15.42	16.7	0.0	
100	64QAM	1	1	15.36	15.51	15.36	16.7	0.0	
100	256QAM	1	1	15.40	15.53	15.44	16.7	0.0	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.96			
90	QPSK	1	1	15.39	15.49	15.39	16.7	0.0	
Channel				507204	518598	529996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	15.40	15.49	15.42	16.7	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	15.42	15.55	15.40	16.7	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.99			
60	QPSK	1	1	15.36	15.53	15.37	16.7	0.0	
Channel				504204	518598	532996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	15.36	15.54	15.45	16.7	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	15.36	15.48	15.45	16.7	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.99			
30	QPSK	1	1	15.36	15.50	15.37	16.7	0.0	
Channel				501204	518598	535996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	15.42	15.54	15.45	16.7	0.0	

n41(PC2)_FCC_ANT 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Med. Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	P12 BPSK	1	1	15.38	15.47	15.39			
100	P12 BPSK	1	137	15.40	15.50	15.41	16.7	0.0	
100	P12 BPSK	1	271	15.37	15.49	15.37			
100	P12 BPSK	135	0	15.39	15.47	15.36	16.7	0.0	
100	P12 BPSK	135	69	15.40	15.52	15.39	16.7	0.0	
100	P12 BPSK	135	135	15.39	15.54	15.39			
100	P12 BPSK	270	0	15.39	15.54	15.39	16.7	0.0	
100	QPSK	1	1	15.48	15.57	15.54			
100	QPSK	1	137	15.43	15.50	15.52	16.7	0.0	
100	QPSK	1	271	15.41	15.56	15.49			
100	QPSK	135	0	15.36	15.48	15.36	16.7	0.0	
100	QPSK	135	69	15.44	15.56	15.46			
100	QPSK	135	135	15.36	15.54	15.41			
100	QPSK	270	0	15.43	15.51	15.42	16.7	0.0	
100	64QAM	1	1	15.36	15.53	15.42	16.7	0.0	
100	64QAM	1	1	15.36	15.51	15.36	16.7	0.0	
100	256QAM	1	1	15.40	15.53	15.44	16.7	0.0	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.96			
90	QPSK	1	1	15.39	15.49	15.39	16.7	0.0	
Channel				507204	518598	529996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	15.40	15.49	15.42	16.7	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	15.42	15.55	15.40	16.7	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.99			
60	QPSK	1	1	15.36	15.53	15.37	16.7	0.0	
Channel				504204	518598	532996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	15.36	15.54	15.45	16.7	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	15.36	15.48	15.45	16.7	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.99			
30	QPSK	1	1	15.36	15.50	15.37	16.7	0.0	
Channel				501204	518598	535996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	15.42	15.54	15.45	16.7	0.0	



n41(PC3)_FCC_ANT 6									
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	PI2 BPSK	1	1	15.31	15.39	15.32	16.2	0.0	
100	PI2 BPSK	1	137	15.35	15.33	15.28			
100	PI2 BPSK	1	271	15.29	15.33	15.28			
100	PI2 BPSK	135	0	15.34	15.38	15.32	16.2	0.0	
100	PI2 BPSK	135	69	15.35	15.34	15.25	16.2	0.0	
100	PI2 BPSK	135	135	15.30	15.31	15.28	16.2	0.0	
100	PI2 BPSK	270	0	15.29	15.38	15.32			
100	QPSK	1	1	15.37	15.37	15.37		0.0	
100	QPSK	1	137	15.35	15.37	15.34	16.2		
100	QPSK	1	271	15.36	15.39	15.28			
100	QPSK	135	0	15.27	15.35	15.31	16.2	0.0	
100	QPSK	135	69	15.36	15.40	15.33			
100	QPSK	135	135	15.30	15.35	15.29			
100	QPSK	270	0	15.28	15.32	15.25	16.2	0.0	
100	16QAM	1	1	15.33	15.39	15.29	16.2	0.0	
100	64QAM	1	1	15.30	15.35	15.30	16.2	0.0	
100	256QAM	1	1	15.27	15.39	15.30	16.2	0.0	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	15.27	15.37	15.27	16.2	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2640.99			
80	QPSK	1	1	15.29	15.31	15.29	16.2	0.0	
Channel				506202	518598	531099	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	15.31	15.34	15.25	16.2	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	15.31	15.32	15.28	16.2	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	15.27	15.35	15.30	16.2	0.0	
Channel				503202	518598	534099	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	15.35	15.39	15.28	16.2	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	15.30	15.37	15.32	16.2	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	15.29	15.32	15.26	16.2	0.0	

n41(PC2)_FCC_ANT 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Med. Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (db)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	15.31	15.39	15.32	16.2	0.0	
100	PI2 BPSK	1	137	15.35	15.33	15.28			
100	PI2 BPSK	1	271	15.29	15.33	15.28			
100	PI2 BPSK	135	0	15.34	15.38	15.32	16.2	0.0	
100	PI2 BPSK	135	69	15.35	15.34	15.25	16.2	0.0	
100	PI2 BPSK	135	135	15.30	15.31	15.28	16.2	0.0	
100	PI2 BPSK	270	0	15.29	15.38	15.32			
100	QPSK	1	1	15.37	15.43	15.38		0.0	
100	QPSK	1	137	15.35	15.37	15.34	16.2		
100	QPSK	1	271	15.36	15.39	15.28			
100	QPSK	135	0	15.27	15.35	15.31	16.2	0.0	
100	QPSK	135	69	15.36	15.40	15.33			
100	QPSK	135	135	15.30	15.35	15.29			
100	QPSK	270	0	15.28	15.32	15.25	16.2	0.0	
100	16QAM	1	1	15.33	15.39	15.29	16.2	0.0	
100	64QAM	1	1	15.30	15.39	15.30	16.2	0.0	
100	256QAM	1	1	15.27	15.39	15.30	16.2	0.0	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	15.27	15.37	15.27	16.2	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	15.29	15.31	15.29	16.2	0.0	
Channel				506202	518598	531099	Tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	15.31	15.34	15.25	16.2	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	15.31	15.32	15.29	16.2	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	15.27	15.35	15.30	16.2	0.0	
Channel				503202	518598	534099	Tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	15.35	15.39	15.28	16.2	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	15.30	15.37	15.32	16.2	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	15.29	15.32	15.26	16.2	0.0	



Reduced Power for DSI5/10/15

n2_ANT 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mask Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PI2 BPSK	1	1	22.43	22.43	22.29	25.2	0.0
20	PI2 BPSK	1	53	22.35	22.35	22.34		
Frequency (MHz)				22.33	22.23	22.28	24.7	0.5
20	PI2 BPSK	50	0	22.29	22.27	22.29		
20	PI2 BPSK	50	28	22.38	22.41	22.26	25.2	0.0
20	PI2 BPSK	50	56	22.28	22.36	22.21	24.7	0.5
20	PI2 BPSK	100	0	22.31	22.32	22.25		
20	QPSK	1	1	24.21	24.25	24.02	25.2	0.0
20	QPSK	1	53	24.00	24.11	24.02		
20	QPSK	1	104	24.06	24.06	23.99	24.2	1.0
20	QPSK	50	0	23.01	23.02	23.01		
20	QPSK	50	28	23.93	24.02	23.92	25.2	0.0
20	QPSK	50	56	23.00	23.10	22.99	24.2	1.0
20	QPSK	100	0	22.92	23.04	22.98	24.2	1.0
20	16QAM	1	1	23.28	23.37	23.28		
20	64QAM	1	1	21.64	21.76	21.66	24.7	2.5
20	256QAM	1	1	19.54	19.63	19.55	20.7	4.5
Channel				371500	376000	380000	Tune-up limit (dbm)	MPR
Frequency (MHz)				1862.5	1880	1902.5	25.2	0.0
15	QPSK	1	1	24.16	24.19	23.98	25.2	0.0
Channel				371000	376000	381000	Tune-up limit (dbm)	MPR
Frequency (MHz)				1855	1880	1905	25.2	0.0
10	QPSK	1	1	24.09	24.23	23.95	25.2	0.0
Channel				370500	376000	381500	Tune-up limit (dbm)	MPR
Frequency (MHz)				1852.5	1880	1907.5	25.2	0.0
5	QPSK	1	1	24.15	24.20	23.98	25.2	0.0

n5_ANT 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mask Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	23.26	23.20	23.35	24.7	0.0
20	PI2 BPSK	1	53	23.25	23.26	23.18		
Frequency (MHz)				23.12	23.08	23.07		
20	PI2 BPSK	50	0	22.74	22.73	22.87	24.2	0.5
20	PI2 BPSK	50	28	23.31	23.30	23.33	24.7	0.0
20	PI2 BPSK	50	56	22.79	22.75	22.86	24.2	0.5
20	PI2 BPSK	100	0	22.74	22.74	22.76		
20	QPSK	1	1	23.34	23.45	23.42		
20	QPSK	1	53	23.32	23.38	23.40	24.7	0.0
20	QPSK	1	104	23.26	23.22	23.24	23.7	1.0
20	QPSK	50	0	22.80	22.86	22.84		
20	QPSK	50	28	23.29	23.30	23.27	24.7	0.0
20	QPSK	50	56	22.79	22.76	22.77	23.7	1.0
20	QPSK	100	0	22.77	22.86	22.75	23.7	1.0
20	16QAM	1	1	21.08	21.05	21.01		
20	64QAM	1	1	21.51	21.54	21.58	23.2	2.5
20	256QAM	1	1	19.31	19.37	19.36	20.2	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	24.7	0.0
15	QPSK	1	1	23.13	23.17	23.19	24.7	0.0
Channel				166800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844	24.7	0.0
10	QPSK	1	1	23.11	23.12	23.09	24.7	0.0
Channel				166300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5	24.7	0.0
5	QPSK	1	1	23.19	23.16	23.14	24.7	0.0

n7_ANT 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mask Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI2 BPSK	1	1	22.89	22.74	22.84	24.2	0.0
40	PI2 BPSK	1	108	22.94	22.73	22.85		
40	PI2 BPSK	1	214	22.87	22.68	22.73		
40	PI2 BPSK	108	0	21.60	21.68	21.59	23.7	0.5
40	PI2 BPSK	108	54	22.54	22.60	22.56	23.7	0.5
40	PI2 BPSK	108	108	21.68	21.61	21.54		
40	PI2 BPSK	216	0	21.59	21.63	21.55		
40	QPSK	1	1	23.15	23.27	23.21	24.2	0.0
40	QPSK	1	108	23.14	23.12	23.13		
40	QPSK	1	214	23.10	23.16	23.11		
40	QPSK	108	0	22.44	22.59	22.50	23.2	1.0
40	QPSK	108	54	23.03	23.22	23.06	24.2	1.0
40	QPSK	108	108	22.54	22.61	22.49		
40	QPSK	216	0	22.50	22.59	22.45		
40	16QAM	1	1	22.76	22.90	22.80	23.2	1.0
40	64QAM	1	1	21.30	21.41	21.36		
40	256QAM	1	1	19.26	19.33	19.24		
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555	24.2	0.0
30	QPSK	1	1	23.12	23.21	23.10	24.2	0.0
Channel				502000	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5	24.2	0.0
25	QPSK	1	1	23.04	23.17	23.20	24.2	0.0
Channel				501000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560	24.2	0.0
20	QPSK	1	1	23.09	23.21	23.09	24.2	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	24.2	0.0
15	QPSK	1	1	23.08	23.20	23.12	24.2	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	24.2	0.0
10	QPSK	1	1	23.06	23.26	23.09	24.2	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	24.2	0.0
5	QPSK	1	1	23.13	23.26	23.11	24.2	0.0



n25_ANT 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mask Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI2 BPSK	1	1	22.41	22.44	22.41		
40	PI2 BPSK	1	108	22.41	22.32	22.30	25.2	0.0
40	PI2 BPSK	1	214	22.35	22.36	22.40		
40	PI2 BPSK	108	0	22.16	22.22	22.17	24.7	0.5
40	PI2 BPSK	108	54	22.30	22.38	22.23	25.2	0.0
40	PI2 BPSK	108	108	22.31	22.32	22.32		
40	PI2 BPSK	216	0	22.29	22.37	22.31	24.7	0.5
40	QPSK	1	1	24.16	24.21	24.08		
40	QPSK	1	108	23.92	23.88	23.88	25.2	0.0
40	QPSK	1	214	23.85	23.84	23.77		
40	QPSK	108	0	22.53	22.81	22.80	24.2	1.0
40	QPSK	108	54	23.70	23.78	23.71	25.2	0.0
40	QPSK	108	108	22.88	22.75	22.78	24.2	1.0
40	QPSK	216	0	22.88	22.90	22.77	24.2	1.0
40	16QAM	1	1	23.42	23.31	23.38	24.2	1.0
40	64QAM	1	1	21.88	21.77	21.73	22.7	2.5
40	256QAM	1	1	19.72	19.55	19.60	20.7	4.5
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1885	1882.5	1880		
30	QPSK	1	1	24.11	24.09	23.97	25.2	0.0
Channel				372000	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1892.5		
25	QPSK	1	1	24.16	24.09	23.98	25.2	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1880	1882.5	1905		
20	QPSK	1	1	24.17	24.19	23.97	25.2	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1882.5	1882.5	1897.4		
15	QPSK	1	1	24.17	24.20	24.04	25.2	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	24.09	24.16	23.96	25.2	0.0
Channel				370000	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	24.07	24.12	23.99	25.2	0.0

n30_ANT 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mask Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)
Channel					462000			
Frequency (MHz)					2310			
10	PI2 BPSK	1	1		22.44			
10	PI2 BPSK	1	26		22.39		25.2	0.0
10	PI2 BPSK	1	50		22.37			
10	PI2 BPSK	25	0		21.34		24.7	0.5
10	PI2 BPSK	25	14		22.34		25.2	0.0
10	PI2 BPSK	25	27		21.32		24.7	0.5
10	PI2 BPSK	50	0		21.33			
10	QPSK	1	1		23.77			
10	QPSK	1	26		23.75		25.2	0.0
10	QPSK	1	50		23.69			
10	QPSK	25	0		20.63		24.2	1.0
10	QPSK	25	14		23.64		25.2	0.0
10	QPSK	25	27		22.63		24.2	1.0
10	QPSK	50	0		22.65		24.2	1.0
10	16QAM	1	1		22.55		24.2	1.0
10	64QAM	1	1		21.35		22.7	2.5
10	256QAM	1	1		19.11		20.7	4.5
Channel				461000	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	23.71	23.76	23.68	25.2	0.0

n66_ANT 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mask Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	22.39	22.88	22.39		
40	PI2 BPSK	1	108	22.47	22.35	22.40	25.2	0.0
40	PI2 BPSK	1	214	22.32	22.32	22.37		
40	PI2 BPSK	108	0	21.47	21.41	21.28	24.7	0.5
40	PI2 BPSK	108	54	22.43	22.45	22.38	25.2	0.0
40	PI2 BPSK	108	108	21.38	21.47	21.40	24.7	0.5
40	PI2 BPSK	216	0	21.43	21.47	21.36		
40	QPSK	1	1	24.11	24.15	23.99		
40	QPSK	1	108	23.71	23.94	23.74	25.2	0.0
40	QPSK	1	214	23.86	23.89	23.72		
40	QPSK	108	0	22.77	23.02	22.61	24.2	1.0
40	QPSK	108	54	23.71	23.88	23.86	25.2	0.0
40	QPSK	108	108	22.86	22.97	22.70	24.2	1.0
40	QPSK	216	0	22.86	22.93	22.86	24.2	1.0
40	16QAM	1	1	23.12	23.22	22.96	24.2	1.0
40	64QAM	1	1	21.47	21.79	21.32	22.7	2.5
40	256QAM	1	1	19.35	19.59	19.20	20.7	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	24.05	24.03	23.98	25.2	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	24.08	24.11	23.97	25.2	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	24.08	24.11	23.88	25.2	0.0
Channel				343000	349000	356000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	24.01	24.10	23.87	25.2	0.0
Channel				342000	349000	356500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	24.08	24.12	23.88	25.2	0.0

n71_ANT 1								
BW (MHz)	Modulation	RE Size	RE Offset	Power Low Ch. F Freq.	Power Mid Ch. F Freq.	Power High Ch. F Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600	25.2	0.0
Frequency (MHz)				673	680.5	688		
20	PI2 BPSK	1	1	22.71	22.74	22.87		
20	PI2 BPSK	1	53	22.58	22.52	22.52	24.7	0.5
20	PI2 BPSK	1	104	22.54	22.45	22.44		
20	PI2 BPSK	50	0	22.48	22.56	22.50		
20	PI2 BPSK	50	28	22.61	22.66	22.51	24.7	0.5
20	PI2 BPSK	50	56	22.59	22.45	22.53		
20	PI2 BPSK	100	0	22.53	22.55	22.50		
20	QPSK	1	1	24.04	24.13	24.09	25.2	0.0
20	QPSK	1	53	24.03	24.05	23.95		
20	QPSK	1	104	23.99	23.98	23.97		
20	QPSK	50	0	22.85	23.02	22.98	24.2	1.0
20	QPSK	50	28	23.93	23.95	23.93		
20	QPSK	50	56	22.93	22.88	22.86		
20	QPSK	100	0	22.59	23.03	22.88	24.2	1.0
20	16QAM	1	1	22.42	23.22	23.30		
20	64QAM	1	1	20.95	21.69	21.86		
20	256QAM	1	1	18.81	19.55	19.60	20.7	4.5
Channel				134100	136100	138100	Tune-up limit	MPR
Frequency (MHz)				670.5	680.5	690.5	(dBm)	(dB)
15	QPSK	1	1	24.01	24.04	24.03	25.2	0.0
Channel				133600	136100	138600	Tune-up limit	MPR
Frequency (MHz)				668	680.5	693	(dBm)	(dB)
10	QPSK	1	1	23.02	24.03	24.08	25.2	0.0
Channel				131100	131100	131100	Tune-up limit	MPR
Frequency (MHz)				665.5	680.5	695.5	(dBm)	(dB)
5	QPSK	1	1	24.01	24.06	24.07	25.2	0.0



Reduced Power for DSI17

n2_ANT 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mask Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	PI2 BPSK	1	1	20.10	20.19	20.12	21.7	0.0
20	PI2 BPSK	1	53	20.09	20.18	20.12		
20	PI2 BPSK	1	104	20.14	20.13	20.16	21.7	0.0
20	PI2 BPSK	50	0	20.14	20.11	20.09	21.7	0.0
20	PI2 BPSK	50	26	20.06	20.16	20.15	21.7	0.0
20	PI2 BPSK	50	56	20.06	20.17	20.08	21.7	0.0
20	PI2 BPSK	100	0	20.06	20.19	20.14		
20	QPSK	1	1	20.17	20.23	20.20	21.7	0.0
20	QPSK	1	53	20.14	20.21	20.19		
20	QPSK	1	104	20.12	20.19	20.13	21.7	0.0
20	QPSK	50	0	20.08	20.13	20.09		
20	QPSK	50	26	20.15	20.20	20.17	21.7	0.0
20	QPSK	50	56	20.07	20.14	20.08	21.7	0.0
20	QPSK	100	0	20.14	20.16	20.16		
20	16QAM	1	1	20.06	20.16	20.16	21.7	0.0
20	64QAM	1	1	20.07	20.16	20.14	21.7	0.0
20	256QAM	1	1	19.11	19.15	19.09	20.7	1.0
Channel				371000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1902.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	20.06	20.12	20.10	21.7	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1905	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	20.09	20.15	20.08	21.7	0.0
Channel				370000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1907.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	20.12	20.13	20.15	21.7	0.0

n5_ANT 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mask Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	21.85	21.91	21.81	23.2	0.0
20	PI2 BPSK	1	53	21.81	21.85	21.80		
20	PI2 BPSK	1	104	21.89	21.91	21.83	23.2	0.0
20	PI2 BPSK	50	0	21.85	21.86	21.87	23.2	0.0
20	PI2 BPSK	50	26	21.92	21.89	21.89	23.2	0.0
20	PI2 BPSK	50	56	21.84	21.86	21.88	23.2	0.0
20	PI2 BPSK	100	0	21.86	21.87	21.83		
20	QPSK	1	1	21.97	22.02	21.95	23.2	0.0
20	QPSK	1	53	21.91	21.93	21.93		
20	QPSK	1	104	21.90	21.94	21.87	23.2	0.0
20	QPSK	50	0	21.84	21.84	21.83		
20	QPSK	50	26	21.92	21.93	21.89	23.2	0.0
20	QPSK	50	56	21.85	21.92	21.89	23.2	0.0
20	QPSK	100	0	21.86	21.87	21.83		
20	16QAM	1	1	21.84	21.92	21.88	23.2	0.0
20	64QAM	1	1	20.86	20.88	20.88	22.2	1.0
20	256QAM	1	1	18.85	18.89	18.87	20.2	3.0
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	21.76	21.87	21.74	23.2	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	21.79	21.84	21.75	23.2	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	21.83	21.82	21.72	23.2	0.0

n7_ANT 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mask Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	PI2 BPSK	1	1	18.36	18.35	18.35	19.2	0.0
40	PI2 BPSK	1	108	18.21	18.27	18.13		
40	PI2 BPSK	1	214	18.16	18.28	18.20	19.2	0.0
40	PI2 BPSK	108	0	18.23	18.32	18.18	19.2	0.0
40	PI2 BPSK	108	54	18.16	18.27	18.14	19.2	0.0
40	PI2 BPSK	108	108	18.17	18.26	18.20	19.2	0.0
40	PI2 BPSK	216	0	18.20	18.28	18.15		
40	QPSK	1	1	18.32	18.35	18.31	19.2	0.0
40	QPSK	1	108	18.31	18.30	18.25		
40	QPSK	1	214	18.24	18.35	18.26	19.2	0.0
40	QPSK	108	0	18.24	18.28	18.13		
40	QPSK	108	54	18.25	18.34	18.22	19.2	0.0
40	QPSK	108	108	18.18	18.30	18.14	19.2	0.0
40	QPSK	216	0	18.20	18.29	18.14		
40	16QAM	1	1	18.20	18.33	18.21	19.2	0.0
40	64QAM	1	1	18.23	18.27	18.20	19.2	0.0
40	256QAM	1	1	18.23	18.33	18.19	19.2	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	18.20	18.31	18.19	19.2	0.0
Channel				502000	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	18.18	18.21	18.16	19.2	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	18.11	18.17	18.07	19.2	0.0
Channel				501000	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	18.22	18.25	18.19	19.2	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	18.19	18.30	18.20	19.2	0.0
Channel				500000	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	18.19	18.28	18.21	19.2	0.0



n25_ANT 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mask Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI2 BPSK	1	1	20.21	20.25	20.23		
40	PI2 BPSK	1	108	20.20	20.24	20.28	21.7	0.0
40	PI2 BPSK	1	214	20.18	20.22	20.26	21.7	0.0
40	PI2 BPSK	108	0	20.18	20.22	20.22	21.7	0.0
40	PI2 BPSK	108	54	20.22	20.23	20.22	21.7	0.0
40	PI2 BPSK	108	108	20.22	20.25	20.24	21.7	0.0
40	PI2 BPSK	216	0	20.18	20.24	20.27	21.7	0.0
40	QPSK	1	1	20.23	20.37	20.34		
40	QPSK	1	108	20.23	20.34	20.26	21.7	0.0
40	QPSK	1	214	20.26	20.32	20.32		
40	QPSK	108	0	20.15	20.28	20.30	21.7	0.0
40	QPSK	108	54	20.23	20.34	20.31	21.7	0.0
40	QPSK	108	108	20.14	20.27	20.22	21.7	0.0
40	QPSK	216	0	20.21	20.29	20.24		
40	16QAM	1	1	20.21	20.24	20.30	21.7	0.0
40	64QAM	1	1	20.14	20.23	20.29	21.7	0.0
40	256QAM	1	1	19.92	19.99	19.94	20.7	1.0
Channel				373000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	20.19	20.20	20.16	21.7	0.0
Channel				1862.5	1882.5	1902.5		
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	20.18	20.23	20.16	21.7	0.0
Channel				372000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1902		
20	QPSK	1	1	20.17	20.20	20.16	21.7	0.0
Channel				371000	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	20.19	20.16	20.17	21.7	0.0
Channel				271000	271500	282000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	20.13	20.17	20.17	21.7	0.0
Channel				370500	376000	382300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	20.15	20.20	20.19	21.7	0.0

n30_ANT 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mask Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				462000	462000			
Frequency (MHz)				2310				
10	PI2 BPSK	1	1		20.33			
10	PI2 BPSK	1	26		20.27		21.2	0.0
10	PI2 BPSK	1	50		20.30		21.2	0.0
10	PI2 BPSK	25	0		20.29		21.2	0.0
10	PI2 BPSK	25	14		20.32		21.2	0.0
10	PI2 BPSK	25	27		20.32		21.2	0.0
10	PI2 BPSK	50	0		20.26		21.2	0.0
10	QPSK	1	1		20.35			
10	QPSK	1	26		20.29		21.2	0.0
10	QPSK	1	50		20.31			
10	QPSK	25	0		20.26		21.2	0.0
10	QPSK	25	14		20.31		21.2	0.0
10	QPSK	25	27		20.22		21.2	0.0
10	QPSK	50	0		20.11			
10	16QAM	1	1		20.03		21.2	0.0
10	64QAM	1	1		20.38		21.2	0.0
10	256QAM	1	1		19.65		20.7	0.5
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	20.31	20.32	20.34	21.2	0.0

n66_ANT 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mask Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	20.65	20.67	20.63		
40	PI2 BPSK	1	108	20.65	20.66	20.69	21.7	0.0
40	PI2 BPSK	1	214	20.57	20.65	20.56	21.7	0.0
40	PI2 BPSK	108	0	20.63	20.66	20.57	21.7	0.0
40	PI2 BPSK	108	54	20.55	20.58	20.50	21.7	0.0
40	PI2 BPSK	108	108	20.74	20.75	20.74	21.7	0.0
40	PI2 BPSK	216	0	20.60	20.66	20.60	21.7	0.0
40	QPSK	1	1	20.70	20.73	20.71		
40	QPSK	1	108	20.59	20.66	20.63	21.7	0.0
40	QPSK	1	214	20.63	20.65	20.63		
40	QPSK	108	0	20.52	20.61	20.54	21.7	0.0
40	QPSK	108	54	20.67	20.70	20.69	21.7	0.0
40	QPSK	108	108	20.58	20.65	20.62	21.7	0.0
40	QPSK	216	0	20.59	20.61	20.54		
40	16QAM	1	1	20.91	20.94	20.85	21.7	0.0
40	64QAM	1	1	20.78	20.86	20.78	21.7	0.0
40	256QAM	1	1	19.94	19.71	19.65	20.7	1.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	20.69	20.72	20.67	21.7	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	20.67	20.66	20.67	21.7	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1772.5		
15	QPSK	1	1	20.69	20.66	20.68	21.7	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	20.72	20.66	20.70	21.7	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	20.66	20.66	20.65	21.7	0.0



n66_ANT 5									
BW (kHz)	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	25.2	0.0	
Frequency (MHz)				1730	1745	1760			
40	P12 BPSK	1	1	22.36	22.35	22.24	25.2	0.0	
40	P12 BPSK	1	108	22.33	22.27	22.40			
40	P12 BPSK	1	214	22.35	22.39	22.42			
40	P12 BPSK	108	0	21.45	21.40	21.45	24.7	0.5	
40	P12 BPSK	108	54	22.35	22.26	22.42	25.2	0.0	
40	P12 BPSK	108	108	21.43	21.45	21.49	24.7	0.5	
40	P12 BPSK	216	0	21.42	21.35	21.41	25.2	0.0	
40	QPSK	1	1	23.52	23.57	23.63			
40	QPSK	1	108	23.88	23.85	23.96			
40	QPSK	1	214	23.83	23.71	23.66	23.2	2.0	
40	QPSK	108	0	21.89	21.90	21.92			
40	QPSK	108	54	23.83	23.89	23.97			
40	QPSK	108	108	21.96	21.97	22.01	23.2	2.0	
40	QPSK	216	0	21.94	21.95	21.93	24.2	1.0	
40	16QAM	1	1	23.11	22.78	23.03			
40	16QAM	1	1	21.65	21.57	21.52	22.7	2.5	
40	256QAM	1	1	19.45	19.45	19.35	20.7	4.5	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	25.2	0.0	
30	QPSK	1	1	23.90	23.88	23.84			
Channel				341500	345500	349500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	25.2	0.0	
20	QPSK	1	1	23.77	23.78	23.80			
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	25.2	0.0	
15	QPSK	1	1	23.75	23.73	23.83			
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	25.2	0.0	
10	QPSK	1	1	23.80	23.73	23.89			
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	25.2	0.0	
5	QPSK	1	1	23.78	23.68	23.87			

n66_ANT 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit	MPR (dB)	
Channel				346000	349000	352000	23.2	0.0	
Frequency (MHz)				1730	1745	1760			
40	P12 BPSK	1	1	22.11	22.04	21.90	23.2	0.0	
40	P12 BPSK	1	108	22.02	21.89	21.97			
40	P12 BPSK	1	214	21.91	21.90	21.87			
40	P12 BPSK	108	0	21.57	21.39	21.36	22.7	0.5	
40	P12 BPSK	108	54	22.07	21.91	21.98	23.2	0.0	
40	P12 BPSK	108	108	21.46	21.49	21.45	22.7	0.5	
40	P12 BPSK	216	0	21.52	21.35	21.46	23.2	0.0	
40	QPSK	1	1	22.17	22.22	21.92			
40	QPSK	1	108	22.02	21.96	21.94			
40	QPSK	1	214	21.87	21.96	21.93	23.2	0.0	
40	QPSK	108	0	22.00	21.85	21.81			
40	QPSK	108	54	22.03	22.06	21.94			
40	QPSK	108	108	21.92	21.98	21.92	23.2	0.0	
40	QPSK	216	0	22.03	22.04	21.93	23.2	0.0	
40	16QAM	1	1	21.88	22.03	22.08			
40	16QAM	1	1	20.32	20.49	20.45	21.7	1.5	
40	256QAM	1	1	18.57	18.53	18.48	19.7	3.5	
Channel				345000	349000	353000	Tune up limit	MPR (dB)	
Frequency (MHz)				1725	1745	1765	23.2	0.0	
30	QPSK	1	1	21.95	22.05	21.95			
Channel				344000	349000	354000	Tune up limit	MPR (dB)	
Frequency (MHz)				1720	1745	1770	23.2	0.0	
20	QPSK	1	1	22.03	21.90	21.93			
Channel				343500	349000	354500	Tune up limit	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	23.2	0.0	
15	QPSK	1	1	22.01	21.87	21.90			
Channel				343000	349000	355000	Tune up limit	MPR (dB)	
Frequency (MHz)				1715	1745	1775	23.2	0.0	
10	QPSK	1	1	22.05	21.83	22.05			
Channel				342500	349000	355500	Tune up limit	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	23.2	0.0	
5	QPSK	1	1	22.09	21.83	22.14			

n71_ANT 0									
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	23.2	0.0	
Frequency (MHz)				673	680.5	688			
20	P12 BPSK	1	1	21.81	21.87	21.88	23.2	0.0	
20	P12 BPSK	1	53	21.80	21.92	21.89			
20	P12 BPSK	1	104	21.79	21.91	21.87			
20	P12 BPSK	50	0	21.83	21.89	21.86	23.2	0.0	
20	P12 BPSK	50	26	21.82	21.91	21.85	23.2	0.0	
20	P12 BPSK	50	56	21.82	21.90	21.85	23.2	0.0	
20	P12 BPSK	100	0	21.78	21.88	21.86			
20	QPSK	1	1	21.91	21.97	21.96			
20	QPSK	1	53	21.86	21.94	21.95	23.2	0.0	
20	QPSK	1	104	21.84	21.93	21.87	23.2	0.0	
20	QPSK	50	0	21.85	21.86	21.91			
20	QPSK	50	26	21.85	21.93	21.93			
20	QPSK	50	56	21.82	21.91	21.84	23.2	0.0	
20	QPSK	100	0	21.85	21.93	21.88	23.2	0.0	
20	16QAM	1	1	21.84	21.91	21.92			
20	16QAM	1	1	20.31	20.39	20.36	22.7	0.5	
20	256QAM	1	1	18.39	18.53	18.50	20.7	2.5	
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5	23.2	0.0	
15	QPSK	1	1	21.82	21.93	21.88			
Channel				133500	135100	136500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693	23.2	0.0	
10	QPSK	1	1	21.83	21.90	21.90			
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	680.5	695.5	23.2	0.0	
5	QPSK	1	1	21.85	21.87	21.90			

n38_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				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	17.24	17.24	17.20		
40	PI2 BPSK	1	53	17.18	17.22	17.20	18.7	0.0
40	PI2 BPSK	1	104	17.18	17.27	17.25		
40	PI2 BPSK	50	0	17.20	17.23	17.23	18.7	0.0
40	PI2 BPSK	50	28	17.21	17.25	17.23	18.7	0.0
40	PI2 BPSK	50	56	17.21	17.25	17.24		
40	PI2 BPSK	100	0	17.24	17.27	17.26	18.7	0.0
40	QPSK	1	1	17.31	17.35	17.33		
40	QPSK	1	53	17.22	17.34	17.28	18.7	0.0
40	QPSK	1	104	17.30	17.30	17.25		
40	QPSK	50	0	17.26	17.26	17.19		
40	QPSK	50	28	17.27	17.29	17.28	18.7	0.0
40	QPSK	50	56	17.26	17.26	17.21		
40	QPSK	100	0	17.22	17.23	17.19	18.7	0.0
40	16QAM	1	1	17.19	17.27	17.27	18.7	0.0
40	64QAM	1	1	17.25	17.28	17.20	18.7	0.0
40	256QAM	1	1	17.20	17.21	17.23	18.7	0.0
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2584.01	2590	2604.99		
30	QPSK	1	1	17.24	17.22	17.22	18.7	0.0
Channel				516000	519000	520000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	17.22	17.28	17.23	18.7	0.0

n41(PC3)_FCC_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				509202	518098	528000		
Frequency (MHz)				2546.01	2592.99	2650		
100	PI2 BPSK	1	1	17.20	17.33	17.18		
100	PI2 BPSK	1	137	17.19	17.31	17.19	18.7	0.0
100	PI2 BPSK	1	271	17.20	17.27	17.19		
100	PI2 BPSK	135	0	17.16	17.26	17.19	18.7	0.0
100	PI2 BPSK	135	69	17.23	17.32	17.22	18.7	0.0
100	PI2 BPSK	135	138	17.22	17.32	17.22		
100	PI2 BPSK	230	0	17.16	17.30	17.17	18.7	0.0
100	QPSK	1	1	17.33	17.36	17.33		
100	QPSK	1	137	17.25	17.33	17.29	18.7	0.0
100	QPSK	1	271	17.27	17.34	17.29		
100	QPSK	135	0	17.17	17.25	17.17		
100	QPSK	135	69	17.25	17.34	17.24	18.7	0.0
100	QPSK	135	138	17.22	17.28	17.15		
100	QPSK	270	0	17.19	17.33	17.19	18.7	0.0
100	16QAM	1	1	17.16	17.27	17.15	18.7	0.0
100	64QAM	1	1	17.24	17.28	17.22	18.7	0.0
100	256QAM	1	1	17.16	17.33	17.18	18.7	0.0
Channel				508200	518098	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	17.18	17.25	17.20	18.7	0.0
Channel				507204	518098	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2644.99		
80	QPSK	1	1	17.22	17.33	17.17	18.7	0.0
Channel				506202	518098	530000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	17.17	17.32	17.20	18.7	0.0
Channel				505200	518098	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	17.21	17.25	17.22	18.7	0.0
Channel				504204	518098	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	17.24	17.32	17.20	18.7	0.0
Channel				503202	518098	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	17.16	17.32	17.20	18.7	0.0
Channel				502200	518098	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	17.23	17.25	17.16	18.7	0.0
Channel				501204	518098	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	17.18	17.28	17.21	18.7	0.0

n41(PC2)_FCC_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				508202	518098	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI2 BPSK	1	1	17.20	17.33	17.18		
100	PI2 BPSK	1	137	17.19	17.31	17.19	18.7	0.0
100	PI2 BPSK	1	271	17.20	17.27	17.19		
100	PI2 BPSK	135	0	17.16	17.25	17.19	18.7	0.0
100	PI2 BPSK	135	69	17.23	17.32	17.22	18.7	0.0
100	PI2 BPSK	135	138	17.22	17.32	17.22		
100	PI2 BPSK	270	0	17.16	17.30	17.17	18.7	0.0
100	QPSK	1	1	17.33	17.36	17.33		
100	QPSK	1	137	17.25	17.33	17.29	18.7	0.0
100	QPSK	1	271	17.27	17.34	17.29		
100	QPSK	135	0	17.17	17.25	17.17		
100	QPSK	135	69	17.25	17.34	17.24	18.7	0.0
100	QPSK	135	138	17.22	17.28	17.15		
100	QPSK	270	0	17.19	17.33	17.19	18.7	0.0
100	16QAM	1	1	17.16	17.27	17.16	18.7	0.0
100	64QAM	1	1	17.24	17.28	17.22	18.7	0.0
100	256QAM	1	1	17.16	17.33	17.18	18.7	0.0
Channel				508200	518098	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	17.18	17.25	17.20	18.7	0.0
Channel				507204	518098	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	17.22	17.33	17.17	18.7	0.0
Channel				506202	518098	530000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	17.17	17.32	17.20	18.7	0.0
Channel				505200	518098	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	17.21	17.25	17.22	18.7	0.0
Channel				504204	518098	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	17.24	17.32	17.20	18.7	0.0
Channel				503202	518098	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	17.16	17.32	17.20	18.7	0.0
Channel				502200	518098	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	17.23	17.25	17.16	18.7	0.0
Channel				501204	518098	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	17.18	17.28	17.21	18.7	0.0



n41(PC3)_FCC_ANT 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Med. Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	15.77	18.86	18.69			
100	PI2 BPSK	1	137	18.81	18.92	18.69	20.2	0.0	
100	PI2 BPSK	1	271	18.81	18.89	18.70			
100	PI2 BPSK	135	0	18.77	18.69	18.77	20.2	0.0	
100	PI2 BPSK	135	69	18.80	18.86	18.73	20.2	0.0	
100	PI2 BPSK	135	135	18.81	18.83	18.73			
100	PI2 BPSK	270	0	18.85	18.87	18.70	20.2	0.0	
100	QPSK	1	1	18.90	18.95	18.84			
100	QPSK	1	137	18.85	18.92	18.77	20.2	0.0	
100	QPSK	1	271	18.81	18.93	18.81			
100	QPSK	135	0	18.81	18.92	18.74			
100	QPSK	135	69	18.86	18.91	18.78	20.2	0.0	
100	QPSK	135	135	18.78	18.89	18.71			
100	QPSK	270	0	18.78	18.85	18.69	20.2	0.0	
100	64QAM	1	1	18.84	18.90	18.77	20.2	0.0	
100	64QAM	1	1	18.81	18.87	18.71	20.2	0.0	
100	256QAM	1	1	18.84	18.84	18.70	19.7	0.5	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	18.83	18.85	18.75	20.2	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	18.83	18.84	18.72	20.2	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	18.83	18.88	18.72	20.2	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	18.79	18.89	18.73	20.2	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	18.79	18.90	18.69	20.2	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	18.77	18.89	18.69	20.2	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	18.81	18.90	18.69	20.2	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	18.78	18.90	18.70	20.2	0.0	

n41(PC2)_FCC_ANT 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Med. Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	18.77	18.86	18.69			
100	PI2 BPSK	1	137	18.81	18.92	18.69	20.2	0.0	
100	PI2 BPSK	1	271	18.81	18.89	18.70			
100	PI2 BPSK	135	0	18.77	18.69	18.77	20.2	0.0	
100	PI2 BPSK	135	69	18.80	18.86	18.73	20.2	0.0	
100	PI2 BPSK	135	135	18.81	18.83	18.73			
100	PI2 BPSK	270	0	18.85	18.87	18.70	20.2	0.0	
100	QPSK	1	1	18.90	18.95	18.84			
100	QPSK	1	137	18.85	18.92	18.77	20.2	0.0	
100	QPSK	1	271	18.81	18.93	18.81			
100	QPSK	135	0	18.81	18.92	18.74			
100	QPSK	135	69	18.86	18.91	18.78	20.2	0.0	
100	QPSK	135	135	18.78	18.89	18.71			
100	QPSK	270	0	18.78	18.85	18.69	20.2	0.0	
100	64QAM	1	1	18.84	18.90	18.77	20.2	0.0	
100	64QAM	1	1	18.81	18.87	18.71	20.2	0.0	
100	256QAM	1	1	18.84	18.84	18.70	20.2	0.0	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	18.83	18.85	18.75	20.2	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	18.83	18.84	18.72	20.2	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	18.83	18.88	18.72	20.2	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	18.79	18.89	18.73	20.2	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	18.79	18.90	18.69	20.2	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	18.77	18.89	18.69	20.2	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	18.81	18.90	18.69	20.2	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	18.78	18.90	18.70	20.2	0.0	

n41(PC3)_FCC_ANT 6								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Med Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2552.99	2540		
100	PI2 BPSK	1	1	18.65	18.70	18.59		
100	PI2 BPSK	1	137	18.65	18.67	18.61	19.7	0.0
100	PI2 BPSK	1	271	18.65	18.72	18.58		
100	PI2 BPSK	135	0	18.59	18.68	18.64	19.7	0.0
100	PI2 BPSK	135	69	18.66	18.65	18.63	19.7	0.0
100	PI2 BPSK	135	135	18.66	18.66	18.63		
100	PI2 BPSK	270	0	18.61	18.66	18.57	19.7	0.0
100	QPSK	1	1	18.70	18.77	18.71		
100	QPSK	1	137	18.67	18.72	18.62	19.7	0.0
100	QPSK	1	271	18.67	18.70	18.69		
100	QPSK	135	0	18.59	18.67	18.60		
100	QPSK	135	69	18.68	18.74	18.65	19.7	0.0
100	QPSK	135	138	18.65	18.72	18.56		
100	QPSK	270	0	18.67	18.69	18.61	19.7	0.0
100	16QAM	1	1	18.60	18.69	18.54	19.7	0.0
100	64QAM	1	1	18.64	18.73	18.64	19.7	0.0
100	256QAM	1	1	18.09	18.23	18.11	18.7	1.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2552.99	2544.98		
90	QPSK	1	1	18.67	18.67	18.64	19.7	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2552.99	2549.99		
80	QPSK	1	1	18.64	18.73	18.59	19.7	0.0
Channel				505200	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2552.99	2555		
70	QPSK	1	1	18.65	18.67	18.64	19.7	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536	2552.99	2559.98		
60	QPSK	1	1	18.65	18.67	18.61	19.7	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2552.99	2564.99		
50	QPSK	1	1	18.66	18.66	18.61	19.7	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2552.99	2570		
40	QPSK	1	1	18.66	18.66	18.56	19.7	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2552.99	2574.98		
30	QPSK	1	1	18.67	18.73	18.64	19.7	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2552.99	2579.99		
20	QPSK	1	1	18.67	18.71	18.63	19.7	0.0

n41(PC2)_FCC_ANT 6								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Med Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2552.99	2540		
100	PI2 BPSK	1	1	18.60	18.70	18.59		
100	PI2 BPSK	1	137	18.60	18.67	18.61	19.7	0.0
100	PI2 BPSK	1	271	18.65	18.72	18.58		
100	PI2 BPSK	135	0	18.59	18.68	18.64	19.7	0.0
100	PI2 BPSK	135	69	18.66	18.65	18.63	19.7	0.0
100	PI2 BPSK	135	138	18.66	18.66	18.63		
100	PI2 BPSK	270	0	18.61	18.66	18.57	19.7	0.0
100	QPSK	1	1	18.70	18.77	18.71		
100	QPSK	1	137	18.67	18.72	18.62	19.7	0.0
100	QPSK	1	271	18.67	18.70	18.69		
100	QPSK	135	0	18.59	18.67	18.60		
100	QPSK	135	69	18.68	18.74	18.65	19.7	0.0
100	QPSK	135	138	18.65	18.72	18.56		
100	QPSK	270	0	18.67	18.69	18.61	19.7	0.0
100	16QAM	1	1	18.60	18.69	18.54	19.7	0.0
100	64QAM	1	1	18.64	18.73	18.64	19.7	0.0
100	256QAM	1	1	18.09	18.73	18.61	18.7	1.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2552.99	2544.98		
90	QPSK	1	1	18.67	18.67	18.64	19.7	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2552.99	2549.99		
80	QPSK	1	1	18.64	18.73	18.59	19.7	0.0
Channel				505200	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2552.99	2555		
70	QPSK	1	1	18.65	18.67	18.64	19.7	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536	2552.99	2559.98		
60	QPSK	1	1	18.65	18.67	18.61	19.7	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2552.99	2564.99		
50	QPSK	1	1	18.66	18.66	18.61	19.7	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2552.99	2570		
40	QPSK	1	1	18.66	18.66	18.56	19.7	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2552.99	2574.98		
30	QPSK	1	1	18.67	18.73	18.64	19.7	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2552.99	2579.99		
20	QPSK	1	1	18.67	18.71	18.63	19.7	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mask Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)
Channel				375000	376000	380000		
Frequency (MHz)				1860	1860	1900		
20	PI2 BPSK	1	1	19.48	19.54	19.49		
20	PI2 BPSK	1	53	19.52	19.55	19.47	20.7	0.0
20	PI2 BPSK	1	104	19.47	19.55	19.48		
20	PI2 BPSK	50	0	19.49	19.58	19.49	20.7	0.0
20	PI2 BPSK	50	28	19.54	19.53	19.48	20.7	0.0
20	PI2 BPSK	50	56	19.52	19.61	19.50		
20	PI2 BPSK	100	0	19.49	19.55	19.49	20.7	0.0
20	QPSK	1	1	19.54	19.58	19.60		
20	QPSK	1	53	19.61	19.66	19.62	20.7	0.0
20	QPSK	1	104	19.56	19.66	19.59		
20	QPSK	50	0	19.53	19.55	19.48	20.7	0.0
20	QPSK	50	28	19.56	19.62	19.51	20.7	0.0
20	QPSK	50	56	19.61	19.57	19.47		
20	QPSK	100	0	19.55	19.61	19.50	20.7	0.0
20	16QAM	1	1	19.50	19.61	19.50	20.7	0.0
20	64QAM	1	1	19.50	19.54	19.48	20.7	0.0
20	256QAM	1	1	19.51	19.53	19.47	20.7	0.0
Channel				371000	376000	380000	Tune-up limit (dbm)	MPR
Frequency (MHz)				1862.5	1860	1902.5	(dB)	(dB)
15	QPSK	1	1	19.51	19.53	19.45	20.7	0.0
Channel				371000	376000	381000	Tune-up limit (dbm)	MPR
Frequency (MHz)				1865	1860	1905	(dB)	(dB)
10	QPSK	1	1	19.48	19.56	19.47	20.7	0.0
Channel				370000	375000	375000	Tune-up limit (dbm)	MPR
Frequency (MHz)				1852.5	1860	1907.5	(dB)	(dB)
5	QPSK	1	1	19.50	19.55	19.50	20.7	0.0

n5_ANT 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mask Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	23.26	23.20	23.39		
20	PI2 BPSK	1	53	23.25	23.26	23.18	24.7	0.0
20	PI2 BPSK	1	104	23.12	23.08	23.07		
20	PI2 BPSK	50	0	22.74	22.73	22.87	24.2	0.5
20	PI2 BPSK	50	28	23.31	23.30	23.33	24.7	0.0
20	PI2 BPSK	50	56	22.79	22.75	22.86		
20	PI2 BPSK	100	0	22.74	22.74	22.76	24.2	0.5
20	QPSK	1	1	23.34	23.45	23.42		
20	QPSK	1	53	23.32	23.38	23.40	24.7	0.0
20	QPSK	1	104	23.26	23.22	23.24		
20	QPSK	50	0	22.80	22.86	22.84	24.7	0.0
20	QPSK	50	28	23.29	23.30	23.27	24.7	0.0
20	QPSK	50	56	22.79	22.76	22.77		
20	QPSK	100	0	22.77	22.86	22.75	24.7	0.0
20	16QAM	1	1	23.08	23.05	23.01	23.7	1.0
20	64QAM	1	1	21.51	21.54	21.58	22.2	2.5
20	256QAM	1	1	19.31	19.37	19.36	20.2	4.5
Channel				166300	167300	168300	Tune-up limit (dbm)	MPR
Frequency (MHz)				831.5	836.5	841.5	(dB)	(dB)
15	QPSK	1	1	23.13	23.17	23.19	24.7	0.0
Channel				166800	167300	168800	Tune-up limit (dbm)	MPR
Frequency (MHz)				829	836.5	844	(dB)	(dB)
10	QPSK	1	1	23.11	23.12	23.09	24.7	0.0
Channel				165300	167300	167300	Tune-up limit (dbm)	MPR
Frequency (MHz)				826.5	836.5	840.5	(dB)	(dB)
5	QPSK	1	1	23.19	23.16	23.14	24.7	0.0

n7_ANT 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mask Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI2 BPSK	1	1	20.09	20.21	20.16		
40	PI2 BPSK	1	108	20.04	20.23	20.15	21.2	0.0
40	PI2 BPSK	1	264	20.04	20.19	20.19		
40	PI2 BPSK	108	0	20.04	20.16	20.11	21.2	0.0
40	PI2 BPSK	108	54	20.09	20.21	20.13	21.2	0.0
40	PI2 BPSK	108	108	20.05	20.16	20.13	21.2	0.0
40	PI2 BPSK	288	0	20.05	20.21	20.16		
40	QPSK	1	1	20.17	20.25	20.24		
40	QPSK	1	108	20.13	20.24	20.16	21.2	0.0
40	QPSK	1	264	20.14	20.20	20.17		
40	QPSK	108	0	20.08	20.18	20.12	21.2	0.0
40	QPSK	108	54	20.10	20.24	20.20	21.2	0.0
40	QPSK	108	108	20.06	20.21	20.16	21.2	0.0
40	QPSK	288	0	20.05	20.15	20.11	21.2	0.0
40	16QAM	1	1	20.03	20.18	20.19	21.2	0.0
40	64QAM	1	1	20.02	20.15	20.12	21.2	0.0
40	256QAM	1	1	18.56	18.73	18.68	19.7	1.5
Channel				503000	507000	511000	Tune-up limit (dbm)	MPR
Frequency (MHz)				2515	2535	2555	(dB)	(dB)
30	QPSK	1	1	20.08	20.22	20.16	0.0	4.5
Channel				502000	507000	511500	Tune-up limit (dbm)	MPR
Frequency (MHz)				2512.5	2535	2557.5	(dB)	(dB)
25	QPSK	1	1	19.09	20.09	20.12	0.0	4.5
Channel				501000	507000	512000	Tune-up limit (dbm)	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dB)	(dB)
20	QPSK	1	1	20.03	20.21	20.15	0.0	4.5
Channel				501500	507000	512500	Tune-up limit (dbm)	MPR
Frequency (MHz)				2502.5	2535	2562.5	(dB)	(dB)
15	QPSK	1	1	20.02	20.17	20.15	21.2	0.0
Channel				501000	507000	513000	Tune-up limit (dbm)	MPR
Frequency (MHz)				2505	2535	2565	(dB)	(dB)
10	QPSK	1	1	20.02	20.22	20.15	21.2	0.0
Channel				500000	507000	513500	Tune-up limit (dbm)	MPR
Frequency (MHz)				2502.5	2535	2567.5	(dB)	(dB)
5	QPSK	1	1	20.06	20.17	20.13	21.2	0.0



n25_ANT 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mask Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI2 BPSK	1	1	19.82	19.73	19.84		
40	PI2 BPSK	1	108	19.84	19.68	19.82	20.7	0.0
40	PI2 BPSK	1	264	19.81	19.73	19.68		
40	PI2 BPSK	108	0	19.85	19.72	19.69	20.7	0.0
40	PI2 BPSK	108	54	19.81	19.69	19.69	20.7	0.0
40	PI2 BPSK	108	108	19.86	19.73	19.70	20.7	0.0
40	PI2 BPSK	288	0	19.88	19.69	19.62		
40	QPSK	1	1	19.71	19.76	19.76		
40	QPSK	1	108	19.84	19.69	19.72	20.7	0.0
40	QPSK	1	264	19.84	19.76	19.72		
40	QPSK	108	0	19.86	19.74	19.68	20.7	0.0
40	QPSK	108	54	19.83	19.77	19.71	20.7	0.0
40	QPSK	108	108	19.84	19.73	19.64	20.7	0.0
40	QPSK	288	0	19.89	19.73	19.65	20.7	0.0
40	16QAM	1	1	19.84	19.76	19.66	20.7	0.0
40	64QAM	1	1	19.81	19.76	19.65	20.7	0.0
40	256QAM	1	1	19.88	19.68	19.63	20.7	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1885	1882.5	1880		
30	QPSK	1	1	19.81	19.68	19.64	20.7	0.0
Channel				372000	376500	380500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1862.5	1882.5	1892.5		
25	QPSK	1	1	19.87	19.71	19.65	20.7	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1880	1882.5	1905		
20	QPSK	1	1	19.86	19.74	19.68	20.7	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1882.5	1882.5	1897.5		
15	QPSK	1	1	19.86	19.72	19.66	20.7	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	19.86	19.70	19.65	20.7	0.0
Channel				370000	376500	382500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1882.5	1882.5	1912.5		
5	QPSK	1	1	19.89	19.69	19.63	20.7	0.0

n30_ANT 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mask Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					462000			
Frequency (MHz)					2310			
10	PI2 BPSK	1	1		19.89			
10	PI2 BPSK	1	26		19.75		21.2	0.0
10	PI2 BPSK	1	50		18.85			
10	PI2 BPSK	25	0		19.79		21.2	0.0
10	PI2 BPSK	25	14		19.74		21.2	0.0
10	PI2 BPSK	25	27		19.74		21.2	0.0
10	PI2 BPSK	50	0		19.81			
10	QPSK	1	1		19.89			
10	QPSK	1	26		19.85		21.2	0.0
10	QPSK	1	50		19.89			
10	QPSK	25	0		19.74		21.2	0.0
10	QPSK	25	14		19.75		21.2	0.0
10	QPSK	25	27		19.73		21.2	0.0
10	QPSK	50	0		19.73		21.2	0.0
10	16QAM	1	1		19.71		21.2	0.0
10	64QAM	1	1		19.80		21.2	0.0
10	256QAM	1	1		19.33		20.7	0.5
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	19.81	19.79	19.81	21.2	0.0

n66_ANT 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mask Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	19.79	19.86	19.81		
40	PI2 BPSK	1	108	19.76	19.79	19.73	21.2	0.0
40	PI2 BPSK	1	264	19.83	19.84	19.72		
40	PI2 BPSK	108	0	19.72	19.85	19.80	21.2	0.0
40	PI2 BPSK	108	54	19.71	19.75	19.69	21.2	0.0
40	PI2 BPSK	108	108	19.76	19.89	19.82	21.2	0.0
40	PI2 BPSK	288	0	19.73	19.80	19.71		
40	QPSK	1	1	19.84	19.96	19.92		
40	QPSK	1	108	19.86	19.92	19.88	21.2	0.0
40	QPSK	1	264	19.86	19.86	19.85		
40	QPSK	108	0	19.79	19.82	19.76	21.2	0.0
40	QPSK	108	54	19.81	19.88	19.85	21.2	0.0
40	QPSK	108	108	19.72	19.81	19.76	21.2	0.0
40	QPSK	288	0	19.73	19.81	19.78	21.2	0.0
40	16QAM	1	1	19.76	19.87	19.84	21.2	0.0
40	64QAM	1	1	19.76	19.85	19.76	21.2	0.0
40	256QAM	1	1	19.22	19.31	19.27	21.2	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	19.80	19.92	19.83	21.2	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	19.91	19.87	19.84	21.2	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	19.93	19.93	19.86	21.2	0.0
Channel				343000	349000	356000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	19.86	19.90	19.84	21.2	0.0
Channel				342000	349000	356500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	19.86	19.92	19.87	21.2	0.0

n71_ANT 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [MHz]	Power Middle Ch. [MHz]	Power High Ch. [MHz]	Tune-up limit (dBm)	MPR (db)
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	P12 BPSK	1	1	22.71	22.74	22.67	25.2	0.0
20	P12 BPSK	1	33	22.58	22.52	22.52		
20	P12 BPSK	1	104	22.54	22.45	22.44		
20	P12 BPSK	50	0	22.48	22.56	22.50	24.7	0.5
20	P12 BPSK	50	28	22.61	22.66	22.51	25.2	0.0
20	P12 BPSK	50	56	22.58	22.45	22.53	24.7	0.5
20	P12 BPSK	100	0	22.53	22.56	22.50		
20	QPSK	1	1	24.04	24.13	24.09		
20	QPSK	1	33	24.03	24.05	23.95	25.2	0.0
20	QPSK	1	104	23.99	23.98	23.97		
20	QPSK	50	0	22.88	23.02	22.95	24.2	1.0
20	QPSK	50	28	23.93	23.98	23.93	25.2	0.0
20	QPSK	50	56	22.93	22.88	22.86	24.2	1.0
20	QPSK	100	0	22.99	23.03	22.88	24.2	1.0
20	16QAM	1	1	22.42	23.22	23.20	24.2	1.0
20	64QAM	1	1	20.95	21.69	21.86	22.7	2.5
20	256QAM	1	1	18.81	19.55	19.60	20.7	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (db)
Frequency (MHz)				673.5	680.5	688.2		
15	QPSK	1	1	22.46	22.62	22.61	25.2	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (db)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.41	22.50	22.41	25.2	0.0
Channel				133100	136100	137100	Tune-up limit (dBm)	MPR (db)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	22.48	22.40	22.50	25.2	0.0



n38_ANT 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996	22.7	0.0	
Frequency (MHz)				2560.62	2565	2569.98			
40	P12 BPSK	1	1	21.28	21.35	21.21			
40	P12 BPSK	1	83	21.29	21.29	21.16			
40	P12 BPSK	1	104	21.27	21.31	21.18	22.7	0.0	
40	P12 BPSK	50	0	21.32	21.33	21.20			
40	P12 BPSK	50	26	21.28	21.35	21.30			
40	P12 BPSK	50	66	21.27	21.30	21.23			
40	P12 BPSK	100	0	21.32	21.36	21.18	22.7	0.0	
40	QPSK	1	1	21.38	21.40	21.31			
40	QPSK	1	53	21.29	21.34	21.22			
40	QPSK	1	104	21.33	21.39	21.22			
40	QPSK	50	0	21.29	21.31	21.23	22.7	0.0	
40	QPSK	50	26	21.34	21.37	21.25			
40	QPSK	50	66	21.35	21.36	21.22			
40	QPSK	100	0	21.30	21.33	21.30			
40	16QAM	1	1	21.36	21.33	21.30	22.7	0.0	
40	16QAM	1	1	21.33	21.28	21.24			
40	256QAM	1	1	19.78	19.78	19.69			
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2561.01	2565	2569.99	22.7	0.0	
30	QPSK	1	1	21.30	21.29	21.24			
Channel				516000	519000	522000			
Frequency (MHz)				2560	2565	2610			
20	QPSK	1	1	21.27	21.33	21.24	22.7	0.0	

n41(PC3)_FCC_ANT 3									
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	22.7	0.0	
Frequency (MHz)				2546.01	2552.99	2640			
100	P12 BPSK	1	1	21.37	21.33	21.35			
100	P12 BPSK	1	137	21.38	21.34	21.27			
100	P12 BPSK	1	271	21.35	21.36	21.31	22.7	0.0	
100	P12 BPSK	135	0	21.37	21.31	21.31			
100	P12 BPSK	135	69	21.31	21.35	21.31			
100	P12 BPSK	135	138	21.35	21.31	21.32			
100	P12 BPSK	270	0	21.36	21.33	21.30	22.7	0.0	
100	QPSK	1	1	21.42	21.51	21.48			
100	QPSK	1	137	21.41	21.48	21.47			
100	QPSK	1	271	21.34	21.44	21.45			
100	QPSK	135	0	21.37	21.38	21.35	22.7	0.0	
100	QPSK	135	69	21.40	21.45	21.41			
100	QPSK	135	138	21.31	21.44	21.36			
100	QPSK	270	0	21.34	21.38	21.36			
100	16QAM	1	1	21.37	21.36	21.30	22.7	0.0	
100	64QAM	1	1	21.34	21.37	21.33			
100	256QAM	1	1	21.32	21.36	21.29			
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2552.99	2644.98	22.7	0.0	
90	QPSK	1	1	21.37	21.36	21.28			
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2552.99	2649.99			
80	QPSK	1	1	21.37	21.35	21.27	22.7	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2552.99	2655			
70	QPSK	1	1	21.36	21.34	21.35			
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2552.99	2659.98	22.7	0.0	
60	QPSK	1	1	21.38	21.35	21.29			
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2552.99	2664.99			
50	QPSK	1	1	21.35	21.32	21.28	22.7	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2552.99	2670			
40	QPSK	1	1	21.36	21.30	21.32			
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2552.99	2674.98	22.7	0.0	
30	QPSK	1	1	21.31	21.34	21.32			
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2552.99	2679.99			
20	QPSK	1	1	21.39	21.36	21.29	22.7	0.0	

n41(PC2)_FCC_ANT 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	22.7	0.0	
Frequency (MHz)				2546.01	2552.99	2560			
100	P12 BPSK	1	1	21.37	21.33	21.35			
100	P12 BPSK	1	137	21.38	21.34	21.27			
100	P12 BPSK	1	271	21.35	21.36	21.31	22.7	0.0	
100	P12 BPSK	135	0	21.37	21.31	21.31			
100	P12 BPSK	135	69	21.31	21.35	21.31			
100	P12 BPSK	135	138	21.35	21.31	21.32			
100	P12 BPSK	270	0	21.36	21.33	21.30	22.7	0.0	
100	QPSK	1	1	21.42	21.51	21.48			
100	QPSK	1	137	21.41	21.48	21.47			
100	QPSK	1	271	21.34	21.44	21.45			
100	QPSK	135	0	21.37	21.38	21.30	22.7	0.0	
100	QPSK	135	69	21.40	21.45	21.41			
100	QPSK	135	138	21.31	21.44	21.36			
100	QPSK	270	0	21.34	21.38	21.36			
100	16QAM	1	1	21.37	21.36	21.30	22.7	0.0	
100	16QAM	1	1	21.34	21.37	21.33			
100	256QAM	1	1	21.32	21.36	21.29			
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2541	2552.99	2644.99	22.7	0.0	
90	QPSK	1	1	21.37	21.36	21.29			
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2562.99	2649.99			
80	QPSK	1	1	21.37	21.35	21.27	22.7	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2562.99	2655			
70	QPSK	1	1	21.36	21.34	21.35		22.7	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2526	2572.99	2659.99	22.7	0.0	
60	QPSK	1	1	21.38	21.35	21.29			
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2562.99	2664.99			
50	QPSK	1	1	21.35	21.32	21.28	22.7	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2562.99	2670			
40	QPSK	1	1	21.36	21.30	21.32		22.7	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2511	2572.99	2674.99	22.7	0.0	
30	QPSK	1	1	21.31	21.34	21.32			
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2562.99	2679.99			
20	QPSK	1	1	21.39	21.36	21.29	22.7	0.0	



Reduced Power for DSI1

n2_ANT 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mask Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1850	1880	1900		
20	PI2 BPSK	1	1	21.28	21.29	21.04		
20	PI2 BPSK	1	53	21.11	21.30	21.23	22.2	0.0
20	PI2 BPSK	1	104	21.26	21.29	21.29		
20	PI2 BPSK	50	0	21.25	21.31	21.21		
20	PI2 BPSK	50	26	21.15	21.18	21.11	22.2	0.0
20	PI2 BPSK	50	56	21.30	21.18	21.08		
20	PI2 BPSK	100	0	21.29	21.29	21.31	22.2	0.0
20	QPSK	1	1	21.16	21.41	21.30		
20	QPSK	1	53	21.01	21.21	21.28	22.2	0.0
20	QPSK	1	104	21.11	21.26	21.22		
20	QPSK	50	0	21.16	21.27	21.28	22.2	0.0
20	QPSK	50	26	21.33	21.30	21.33	22.2	0.0
20	QPSK	50	56	21.30	21.25	21.23		
20	QPSK	100	0	21.22	21.31	21.23	22.2	0.0
20	16QAM	1	1	21.37	21.32	21.15	22.2	0.0
20	16QAM	1	1	21.21	21.15	21.08	22.2	0.0
20	256QAM	1	1	19.99	19.90	19.76	20.7	1.5
Channel				371000	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1902.5		
15	QPSK	1	1	21.04	21.22	21.13	22.2	0.0
Channel				371000	371000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	21.09	21.26	21.24	22.2	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1907.5		
5	QPSK	1	1	21.02	21.25	21.26	22.2	0.0

n5_ANT 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mask Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	22.84	22.99	22.87		
20	PI2 BPSK	1	53	22.86	22.80	22.86	24.7	0.0
20	PI2 BPSK	1	104	22.97	22.84	22.77		
20	PI2 BPSK	50	0	22.97	22.40	22.45	24.2	0.5
20	PI2 BPSK	50	26	22.93	22.97	22.96	24.7	0.5
20	PI2 BPSK	50	56	22.47	22.43	22.32		
20	PI2 BPSK	100	0	22.43	22.49	22.40	24.2	0.5
20	QPSK	1	1	23.27	23.44	23.25		
20	QPSK	1	53	23.26	23.41	23.25	24.7	0.0
20	QPSK	1	104	23.18	23.19	23.15		
20	QPSK	50	0	22.93	23.11	22.88	24.7	0.0
20	QPSK	50	26	23.08	23.31	23.10	24.7	0.0
20	QPSK	50	56	22.73	22.87	22.63		
20	QPSK	100	0	22.92	23.03	22.83	24.7	0.0
20	16QAM	1	1	22.98	23.14	22.95	23.7	1.0
20	16QAM	1	1	21.69	21.70	21.65	22.2	2.5
20	256QAM	1	1	19.46	19.61	19.56	19.2	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.12	23.22	23.10	24.7	0.0
Channel				165500	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.05	23.09	23.16	24.7	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.13	23.16	23.05	24.7	0.0

n7_ANT 2

n7_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				507000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI2 BPSK	1	1	20.32	20.33	20.35		
40	PI2 BPSK	1	108	20.33	20.37	20.32	21.2	0.0
40	PI2 BPSK	1	214	20.28	20.33	20.28		
40	PI2 BPSK	108	0	20.27	20.33	20.32	21.2	0.0
40	PI2 BPSK	108	54	20.27	20.29	20.33	21.2	0.0
40	PI2 BPSK	108	108	20.33	20.33	20.31	21.2	0.0
40	PI2 BPSK	216	0	20.26	20.33	20.33		
40	QPSK	1	1	20.39	20.45	20.39		
40	QPSK	1	108	20.37	20.40	20.31	21.2	0.0
40	QPSK	1	214	20.31	20.41	20.34		
40	QPSK	108	0	20.28	20.34	20.30	21.2	0.0
40	QPSK	108	54	20.34	20.36	20.37	21.2	0.0
40	QPSK	108	108	20.25	20.34	20.31		
40	QPSK	216	0	20.33	20.37	20.30	21.2	0.0
40	16QAM	1	1	20.33	20.29	20.35	21.2	0.0
40	64QAM	1	1	20.32	20.29	20.28	21.2	0.0
40	256QAM	1	1	18.77	18.80	18.86	18.7	1.5
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	20.29	20.36	20.29	21.2	0.0
Channel				502000	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	20.26	20.19	20.28	21.2	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	20.33	20.29	20.29	21.2	0.0
Channel				501000	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	20.28	20.29	20.31	21.2	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	20.30	20.37	20.30	21.2	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	20.25	20.35	20.35	21.2	0.0



n25_ANT 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mask Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI2 BPSK	1	1	21.38	21.34	21.14		
40	PI2 BPSK	1	108	21.13	21.31	21.28	22.2	0.0
40	PI2 BPSK	1	214	21.29	21.40	21.43		
40	PI2 BPSK	108	0	21.39	21.46	21.31	22.2	0.0
40	PI2 BPSK	108	54	21.29	21.34	21.23	22.2	0.0
40	PI2 BPSK	108	108	21.41	21.23	21.16		
40	PI2 BPSK	216	0	21.42	21.26	21.34	22.2	0.0
40	QPSK	1	1	21.22	21.47	21.33		
40	QPSK	1	108	21.14	21.30	21.29	22.2	0.0
40	QPSK	1	214	21.15	21.31	21.24		
40	QPSK	108	0	21.21	21.42	21.31	22.2	0.0
40	QPSK	108	54	21.26	21.45	21.38	22.2	0.0
40	QPSK	108	108	21.37	21.41	21.37		
40	QPSK	216	0	21.38	21.40	21.24	22.2	0.0
40	16QAM	1	1	21.38	21.40	21.30	22.2	0.0
40	64QAM	1	1	21.28	21.17	21.20	22.2	0.0
40	256QAM	1	1	20.00	19.98	19.88	20.7	1.5
Channel				373000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	21.12	21.25	21.23	22.2	0.0
Channel				1862.5	1882.5	1902.5		
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	21.27	21.25	21.11	22.2	0.0
Channel				372000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	21.30	21.24	21.12	22.2	0.0
Channel				371000	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	21.19	21.23	21.15	22.2	0.0
Channel				271000	271000	302000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	21.26	21.26	21.23	22.2	0.0
Channel				370500	376000	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	21.13	21.11	21.21	22.2	0.0

n30_ANT 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mask Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				460000	462000			
Frequency (MHz)				2310				
10	PI2 BPSK	1	1	21.36				
10	PI2 BPSK	1	25	21.35			22.2	0.0
10	PI2 BPSK	1	50	21.30				
10	PI2 BPSK	25	0	21.29			22.2	0.0
10	PI2 BPSK	25	14	21.35			22.2	0.0
10	PI2 BPSK	25	27	21.35			22.2	0.0
10	PI2 BPSK	50	0	21.29				
10	QPSK	1	1	21.45				
10	QPSK	1	25	21.40			22.2	0.0
10	QPSK	1	50	21.40				
10	QPSK	25	0	21.36			22.2	0.0
10	QPSK	25	14	21.37			22.2	0.0
10	QPSK	25	27	21.29			22.2	0.0
10	QPSK	50	0	21.28				
10	16QAM	1	1	21.29			22.2	0.0
10	64QAM	1	1	21.28			22.2	0.0
10	256QAM	1	1	19.80			19.7	1.5
Channel				461500	462000	462000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	21.34	21.35	21.26	22.2	0.0

n66_ANT 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mask Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	24.22	24.29	24.16		
40	PI2 BPSK	1	108	24.09	24.17	24.19	25.2	0.0
40	PI2 BPSK	1	214	24.14	24.11	24.22		
40	PI2 BPSK	108	0	23.90	23.99	23.87	25.2	0.0
40	PI2 BPSK	108	54	23.91	24.04	24.00	25.2	0.0
40	PI2 BPSK	108	108	23.75	23.71	23.73		
40	PI2 BPSK	216	0	23.81	23.88	23.85	25.2	0.0
40	QPSK	1	1	24.25	24.31	24.15		
40	QPSK	1	108	24.19	24.04	24.14	25.2	0.0
40	QPSK	1	214	24.12	24.04	24.00		
40	QPSK	108	0	23.81	24.01	23.81	25.2	0.0
40	QPSK	108	54	23.91	24.10	23.85	25.2	0.0
40	QPSK	108	108	22.88	22.78	22.82		
40	QPSK	216	0	23.09	23.11	23.04	25.2	0.0
40	16QAM	1	1	23.42	23.31	23.32	25.2	0.0
40	64QAM	1	1	21.92	21.80	21.77	25.2	0.0
40	256QAM	1	1	19.96	19.71	19.80	25.2	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	24.19	24.18	24.16	25.2	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	24.11	23.98	24.04	25.2	0.0
Channel				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1772.5		
15	QPSK	1	1	24.15	24.06	24.15	25.2	0.0
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	24.17	23.98	24.20	25.2	0.0
Channel				341000	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	24.10	23.89	24.12	25.2	0.0

n66_ANT 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	22.36	22.35	22.24			
40	PI2 BPSK	1	108	22.33	22.27	22.40	25.2	0.0	
40	PI2 BPSK	1	214	22.35	22.39	22.42	24.7	0.5	
40	PI2 BPSK	108	0	21.45	21.40	21.45			
40	PI2 BPSK	108	54	22.33	22.26	22.42		0.0	
40	PI2 BPSK	108	108	21.43	21.45	21.49	24.7	0.5	
40	PI2 BPSK	216	0	21.42	21.35	21.41			
40	QPSK	1	1	23.92	23.97	23.83			
40	QPSK	1	108	23.88	23.85	23.96	25.2	0.0	
40	QPSK	1	214	23.83	23.71	23.66	23.2	2.0	
40	QPSK	108	0	21.90	21.90	21.92			
40	QPSK	108	54	23.83	23.85	23.87		0.0	
40	QPSK	108	108	21.96	21.97	22.01	23.2	2.0	
40	QPSK	216	0	21.94	21.95	21.93			
40	16QAM	1	1	23.11	22.78	23.03	24.2	1.0	
40	64QAM	1	1	21.65	21.57	21.52	22.7	2.5	
40	256QAM	1	1	19.45	19.45	19.35	20.7	4.5	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	25.2	0.0	
30	QPSK	1	1	23.90	23.88	23.84	25.2	0.0	
Channel				344000	349000	354000		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	23.77	23.78	23.80	25.2	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	25.2	0.0	
15	QPSK	1	1	23.79	23.73	23.83	25.2	0.0	
Channel				343000	349000	355000		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	23.80	23.73	23.93	25.2	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	25.2	0.0	
5	QPSK	1	1	23.78	23.68	23.87	25.2	0.0	

n71_ANT 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Main Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI2 BPSK	1	1	22.37	22.45	22.42		
20	PI2 BPSK	1	53	22.33	22.38	22.23		
20	PI2 BPSK	1	104	22.28	22.23	22.14		
20	PI2 BPSK	50	0	22.37	22.41	22.24	24.7	0.5
20	PI2 BPSK	50	26	22.36	22.50	22.34		
20	PI2 BPSK	50	56	22.39	22.24	22.26		
20	PI2 BPSK	100	0	22.29	22.32	22.28	24.7	0.5
20	QPSK	1	1	23.87	23.90	23.89		
20	QPSK	1	53	23.64	23.71	23.60		
20	QPSK	1	104	23.64	23.65	23.54		
20	QPSK	50	0	23.45	23.48	23.46	24.2	1.0
20	QPSK	50	26	23.56	23.58	23.56		
20	QPSK	50	56	23.11	23.11	23.04		
20	QPSK	100	0	23.11	23.03	23.16		
20	16QAM	1	1	23.41	23.45	23.40	24.2	1.0
20	64QAM	1	1	21.96	21.96	21.93		
20	256QAM	1	1	19.75	19.75	19.65	20.7	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5	25.2	0.0
15	QPSK	1	1	23.79	23.90	23.74	25.2	0.0
Channel				133500	136100	138500		
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	23.85	23.71	23.78	25.2	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5	25.2	0.0
5	QPSK	1	1	23.77	23.68	23.82	25.2	0.0

n38_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				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	19.87	19.84	19.77		
40	PI2 BPSK	1	53	19.71	19.81	19.76	21.2	0.0
40	PI2 BPSK	1	104	19.71	19.88	19.81		
40	PI2 BPSK	50	0	19.74	19.87	19.81	21.2	0.0
40	PI2 BPSK	50	28	19.88	19.86	19.73	21.2	0.0
40	PI2 BPSK	50	56	19.89	19.81	19.77		
40	PI2 BPSK	100	0	19.74	19.85	19.78	21.2	0.0
40	QPSK	1	1	19.85	19.92	19.86		
40	QPSK	1	53	19.79	19.85	19.82	21.2	0.0
40	QPSK	1	104	19.81	19.90	19.82		
40	QPSK	50	0	19.70	19.82	19.75		
40	QPSK	50	28	19.76	19.90	19.82	21.2	0.0
40	QPSK	50	56	19.68	19.89	19.75		
40	QPSK	100	0	19.73	19.89	19.79	21.2	0.0
40	16QAM	1	1	19.89	19.86	19.81	21.2	0.0
40	64QAM	1	1	19.74	19.89	19.79	21.2	0.0
40	256QAM	1	1	18.87	18.87	18.75	20.2	1.0
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2584.01	2590	2604.99		
30	QPSK	1	1	19.19	19.85	19.78	21.2	0.0
Channel				516000	519000	520000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	19.71	19.88	19.78	21.2	0.0

n41(PC3)_FCC_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				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI2 BPSK	1	1	19.93	19.88	19.87		
100	PI2 BPSK	1	137	19.93	19.93	19.96		
100	PI2 BPSK	1	271	19.92	19.93	19.89	21.2	0.0
100	PI2 BPSK	135	0	19.93	20.01	19.97	21.2	0.0
100	PI2 BPSK	135	69	19.92	19.99	19.89	21.2	0.0
100	PI2 BPSK	135	138	19.91	19.99	19.90		
100	PI2 BPSK	230	0	19.87	19.95	19.97	21.2	0.0
100	QPSK	1	1	20.04	20.08	20.04		
100	QPSK	1	137	20.03	20.00	20.02	21.2	0.0
100	QPSK	1	271	20.01	20.02	19.96		
100	QPSK	135	0	19.96	19.99	19.97		
100	QPSK	135	69	19.96	20.02	19.98	21.2	0.0
100	QPSK	135	138	19.87	19.97	19.93		
100	QPSK	270	0	19.93	20.00	19.93	21.2	0.0
100	16QAM	1	1	19.94	19.94	19.95	21.2	0.0
100	64QAM	1	1	19.92	19.98	19.95	21.2	0.0
100	256QAM	1	1	18.37	18.45	18.40	19.7	1.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	19.93	19.93	19.96	21.2	0.0
Channel				507204	518598	529996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2644.99		
80	QPSK	1	1	19.91	19.93	19.89	21.2	0.0
Channel				506202	518598	530000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	19.88	19.98	19.95	21.2	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.99		
60	QPSK	1	1	19.90	20.00	19.97	21.2	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	19.95	19.99	19.90	21.2	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	19.92	19.99	19.96	21.2	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	19.93	19.94	19.95	21.2	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	19.88	19.96	19.94	21.2	0.0

n41(PC2)_FCC_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				508202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI2 BPSK	1	1	19.93	19.88	19.87		
100	PI2 BPSK	1	137	19.93	19.93	19.96	21.2	0.0
100	PI2 BPSK	1	271	19.92	19.93	19.89		
100	PI2 BPSK	135	0	19.93	20.01	19.97	21.2	0.0
100	PI2 BPSK	135	69	19.92	19.99	19.89	21.2	0.0
100	PI2 BPSK	135	138	19.91	19.99	19.90		
100	PI2 BPSK	270	0	19.87	19.95	19.97	21.2	0.0
100	QPSK	1	1	20.04	20.08	20.04		
100	QPSK	1	137	20.03	20.00	20.02	21.2	0.0
100	QPSK	1	271	20.01	20.02	19.96		
100	QPSK	135	0	19.96	19.99	19.97		
100	QPSK	135	69	19.96	20.02	19.98	21.2	0.0
100	QPSK	135	138	19.87	19.97	19.95		
100	QPSK	270	0	19.93	20.00	19.93	21.2	0.0
100	16QAM	1	1	19.94	19.94	19.95	21.2	0.0
100	64QAM	1	1	19.92	19.98	19.95	21.2	0.0
100	256QAM	1	1	18.37	18.45	18.40	19.7	1.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	19.93	19.93	19.96	21.2	0.0
Channel				507204	518598	529996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2644.99		
80	QPSK	1	1	19.91	19.93	19.89	21.2	0.0
Channel				506202	518598	530000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	19.88	19.98	19.95	21.2	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.99		
60	QPSK	1	1	19.90	20.00	19.97	21.2	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	19.95	19.99	19.90	21.2	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	19.92	19.99	19.96	21.2	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	19.93	19.94	19.95	21.2	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	19.88	19.96	19.94	21.2	0.0

n41(PC3)_FCC_ANT 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Med. Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	23.11	23.53	23.11	24.2	0.0	
100	PI2 BPSK	1	137	23.18	23.44	23.23			
100	PI2 BPSK	1	271	23.39	23.45	23.60			
100	PI2 BPSK	135	0	22.79	22.84	22.68	23.7	0.5	
100	PI2 BPSK	135	69	23.27	23.22	22.88	24.2	0.0	
100	PI2 BPSK	135	135	22.74	22.62	22.20	23.7	0.5	
100	PI2 BPSK	270	0	22.63	22.76	22.41			
100	QPSK	1	1	23.68	23.76	23.63			
100	QPSK	1	137	23.53	23.59	23.63	24.2	0.0	
100	QPSK	1	271	23.52	23.62	23.58	24.2	0.0	
100	QPSK	135	0	23.05	23.63	23.55			
100	QPSK	135	69	23.48	23.61	23.54			
100	QPSK	135	135	23.52	23.62	23.43	23.2	1.0	
100	QPSK	270	0	23.23	23.30	23.05			
100	64QAM	1	1	23.64	23.64	23.59	23.2	1.0	
100	64QAM	1	1	20.24	20.25	20.30	21.7	3.5	
100	256QAM	1	1	20.08	20.12	20.04	19.7	4.5	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	23.77	23.68	23.41	24.2	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	23.76	23.71	23.35	24.2	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	23.79	23.76	23.43	24.2	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	23.67	23.61	23.42	24.2	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	23.74	23.79	23.33	24.2	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	23.75	23.79	23.36	24.2	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	23.71	23.67	23.34	24.2	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	23.67	23.74	23.45	24.2	0.0	

n41(PC2)_FCC_ANT 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Med. Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	23.11	23.53	23.11	25.2	0.0	
100	PI2 BPSK	1	137	23.18	23.44	23.23			
100	PI2 BPSK	1	271	23.39	23.45	23.60			
100	PI2 BPSK	135	0	22.79	22.84	22.68	25.2	0.0	
100	PI2 BPSK	135	69	23.27	23.22	22.88	25.2	0.0	
100	PI2 BPSK	135	135	22.74	22.62	22.20	25.2	0.0	
100	PI2 BPSK	270	0	22.63	22.76	22.41			
100	QPSK	1	1	23.68	23.76	23.63			
100	QPSK	1	137	23.53	23.59	23.63	25.2	0.0	
100	QPSK	1	271	23.52	23.62	23.58	25.2	0.0	
100	QPSK	135	0	23.05	23.63	23.55			
100	QPSK	135	69	23.48	23.61	23.54			
100	QPSK	135	135	23.52	23.62	23.43	24.2	1.0	
100	QPSK	270	0	23.23	23.30	23.05			
100	64QAM	1	1	23.64	23.64	23.59	24.2	1.0	
100	64QAM	1	1	20.24	20.25	20.30	23.7	1.5	
100	256QAM	1	1	20.08	20.12	20.04	21.7	3.5	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	23.77	23.68	23.41	25.2	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	23.76	23.71	23.35	25.2	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	23.79	23.76	23.43	25.2	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	23.67	23.61	23.42	25.2	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	23.74	23.79	23.33	25.2	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	23.75	23.79	23.36	25.2	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	23.71	23.67	23.34	25.2	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	23.67	23.74	23.45	25.2	0.0	



Reduced Power for DSI6/11

n2_ANT 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mask Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850	1880	1900		
20	PI2 BPSK	1	1	19.96	20.03	20.04	21.2	0.0
20	PI2 BPSK	1	53	20.05	20.10	20.06		
20	PI2 BPSK	1	104	19.94	20.08	19.94		
20	PI2 BPSK	50	0	20.04	20.22	19.95	21.2	0.0
20	PI2 BPSK	50	26	20.04	20.04	19.95	21.2	0.0
20	PI2 BPSK	50	56	19.97	20.12	19.97	21.2	0.0
20	PI2 BPSK	100	0	19.98	20.08	20.11		
20	QPSK	1	1	20.17	20.22	20.13	21.2	0.0
20	QPSK	1	53	20.07	20.19	20.15		
20	QPSK	1	104	20.11	20.05	20.09		
20	QPSK	50	0	19.96	20.06	19.98	21.2	0.0
20	QPSK	50	26	19.96	20.15	20.06	21.2	0.0
20	QPSK	50	56	19.98	20.15	20.01	21.2	0.0
20	QPSK	100	0	19.96	20.12	19.92		
20	16QAM	1	1	19.98	20.09	19.95	21.2	0.0
20	64QAM	1	1	19.96	20.17	20.07	21.2	0.0
20	256QAM	1	1	19.94	19.89	19.73	20.7	0.5
Channel				371000	376000	380500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1867.5	1880	1902.5	(dBm)	(dB)
15	QPSK	1	1	20.15	20.16	20.04	21.2	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1855	1880	1905	(dBm)	(dB)
10	QPSK	1	1	20.17	20.20	20.04	21.2	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1862.5	1880	1907.5	(dBm)	(dB)
5	QPSK	1	1	20.07	20.20	20.15	21.2	0.0

n5_ANT 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mask Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	22.84	22.99	22.87	24.7	0.0
20	PI2 BPSK	1	53	22.86	22.90	22.86		
20	PI2 BPSK	1	104	22.87	22.84	22.77		
20	PI2 BPSK	50	0	22.37	22.40	22.45	24.2	0.5
20	PI2 BPSK	50	26	22.93	22.97	22.96	24.7	0.0
20	PI2 BPSK	50	56	22.47	22.43	22.32	24.2	0.5
20	PI2 BPSK	100	0	22.43	22.49	22.40		
20	QPSK	1	1	23.27	23.44	23.25	24.7	0.0
20	QPSK	1	53	23.26	23.41	23.25		
20	QPSK	1	104	23.18	23.19	23.15		
20	QPSK	50	0	22.83	23.11	22.88	24.7	0.0
20	QPSK	50	26	23.08	23.31	23.10	24.7	0.0
20	QPSK	50	56	22.73	22.87	22.63	24.7	0.0
20	QPSK	100	0	22.92	23.03	22.83		
20	16QAM	1	1	22.98	23.14	22.95	23.7	1.0
20	64QAM	1	1	21.69	21.70	21.65	22.2	2.5
20	256QAM	1	1	19.46	19.61	19.56	20.2	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)
15	QPSK	1	1	23.12	23.22	23.10	24.7	0.0
Channel				165500	167300	169000	Tune-up limit (dBm)	MPR
Frequency (MHz)				829	836.5	844	(dBm)	(dB)
10	QPSK	1	1	23.09	23.09	23.16	24.7	0.0
Channel				165300	167300	169500	Tune-up limit (dBm)	MPR
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)
5	QPSK	1	1	23.13	23.16	23.05	24.7	0.0

n7_ANT 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mask Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	PI2 BPSK	1	1	19.28	19.30	19.27	20.2	0.0
40	PI2 BPSK	1	108	19.24	19.33	19.30		
40	PI2 BPSK	1	214	19.23	19.33	19.25		
40	PI2 BPSK	108	0	19.24	19.36	19.30	20.2	0.0
40	PI2 BPSK	108	54	19.21	19.38	19.24	20.2	0.0
40	PI2 BPSK	108	108	19.27	19.32	19.25	20.2	0.0
40	PI2 BPSK	216	0	19.25	19.36	19.32		
40	QPSK	1	1	19.36	19.44	19.34	20.2	0.0
40	QPSK	1	108	19.34	19.43	19.29		
40	QPSK	1	214	19.27	19.35	19.32		
40	QPSK	108	0	19.25	19.31	19.25	20.2	0.0
40	QPSK	108	54	19.30	19.39	19.33	20.2	0.0
40	QPSK	108	108	19.29	19.33	19.29	20.2	0.0
40	QPSK	216	0	19.27	19.30	19.28		
40	16QAM	1	1	19.26	19.35	19.28	20.2	0.0
40	64QAM	1	1	19.22	19.32	19.27	20.2	0.0
40	256QAM	1	1	19.07	19.08	19.07	19.7	0.5
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)
30	QPSK	1	1	19.27	19.33	19.31	20.2	0.0
Channel				502000	507000	511500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)
25	QPSK	1	1	19.17	19.29	19.21	20.2	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)
20	QPSK	1	1	19.29	19.36	19.31	20.2	0.0
Channel				501000	507000	512500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	1	19.29	19.33	19.29	20.2	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	1	19.27	19.34	19.27	20.2	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	QPSK	1	1	19.25	19.35	19.25	20.2	0.0



n25_ANT 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mask Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI2 BPSK	1	1	20.09	20.19	20.03		
40	PI2 BPSK	1	108	20.04	20.17	20.11	21.2	0.0
40	PI2 BPSK	1	214	19.97	20.22	20.07	21.2	0.0
40	PI2 BPSK	108	0	20.01	20.24	20.03	21.2	0.0
40	PI2 BPSK	108	54	20.01	20.15	20.00	21.2	0.0
40	PI2 BPSK	108	108	20.06	20.25	20.07		
40	PI2 BPSK	216	0	20.02	20.12	20.15	21.2	0.0
40	QPSK	1	1	20.17	20.27	20.15		
40	QPSK	1	108	20.10	20.18	20.09	21.2	0.0
40	QPSK	1	214	20.09	20.14	20.12		
40	QPSK	108	0	20.11	20.15	20.15	21.2	0.0
40	QPSK	108	54	20.15	20.20	20.16	21.2	0.0
40	QPSK	108	108	20.07	20.13	20.06	21.2	0.0
40	QPSK	216	0	20.12	20.16	20.13		
40	16QAM	1	1	19.97	20.06	19.96	21.2	0.0
40	64QAM	1	1	20.00	20.20	20.03	21.2	0.0
40	256QAM	1	1	19.98	19.95	19.85	20.7	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	20.05	20.19	20.14	21.2	0.0
Channel				1862.5	1882.5	1902.5		
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	20.12	20.23	20.10	21.2	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	20.08	20.20	20.11	21.2	0.0
Channel				371000	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	20.14	20.21	20.15	21.2	0.0
Channel				271000	271000	282000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	20.11	20.24	20.11	21.2	0.0
Channel				370500	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	20.05	20.15	20.11	21.2	0.0

n30_ANT 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mask Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				464000	462000			
Frequency (MHz)					2310			
10	PI2 BPSK	1	1		19.86			
10	PI2 BPSK	1	25		19.84		20.7	0.0
10	PI2 BPSK	1	50		19.80		20.7	0.0
10	PI2 BPSK	25	0		19.82		20.7	0.0
10	PI2 BPSK	25	14		19.86		20.7	0.0
10	PI2 BPSK	25	27		19.86		20.7	0.0
10	PI2 BPSK	50	0		19.80		20.7	0.0
10	QPSK	1	1		19.95			
10	QPSK	1	25		19.87		20.7	0.0
10	QPSK	1	50		19.87		20.7	0.0
10	QPSK	25	0		19.88		20.7	0.0
10	QPSK	25	14		19.91		20.7	0.0
10	QPSK	25	27		19.88		20.7	0.0
10	QPSK	50	0		19.88		20.7	0.0
10	16QAM	1	1		19.87		20.7	0.0
10	64QAM	1	1		19.82		20.7	0.0
10	256QAM	1	1		19.75		20.7	0.0
Channel				461500	462000	462000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	19.80	19.84	19.81	20.7	0.0

n66_ANT 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mask Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	23.30	23.22	23.11		
40	PI2 BPSK	1	108	23.20	23.14	23.10	24.2	0.0
40	PI2 BPSK	1	214	23.11	23.05	23.06	24.2	0.0
40	PI2 BPSK	108	0	23.05	23.24	23.05	24.2	0.0
40	PI2 BPSK	108	54	23.02	23.17	23.21	24.2	0.0
40	PI2 BPSK	108	108	23.17	23.14	23.29		
40	PI2 BPSK	216	0	23.15	23.21	23.07	24.2	0.0
40	QPSK	1	1	23.18	23.20	23.25		
40	QPSK	1	108	23.00	23.21	23.23	24.2	0.0
40	QPSK	1	214	23.15	23.24	23.27		
40	QPSK	108	0	23.20	23.15	23.20	24.2	0.0
40	QPSK	108	54	23.21	23.25	23.28	24.2	0.0
40	QPSK	108	108	23.01	23.16	23.22	24.2	0.0
40	QPSK	216	0	23.24	23.25	23.19		
40	16QAM	1	1	23.17	23.23	23.12	24.2	0.0
40	64QAM	1	1	21.88	21.88	21.91	22.7	1.5
40	256QAM	1	1	19.69	19.55	19.76	20.7	3.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	23.11	23.15	23.13	24.2	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.16	23.19	23.13	24.2	0.0
Channel				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1772.5		
15	QPSK	1	1	23.18	23.16	23.14	24.2	0.0
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.10	23.18	23.08	24.2	0.0
Channel				341000	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.11	23.18	23.10	24.2	0.0

n66_ANT 5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Main Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000	25.2	0.0
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	22.36	22.35	22.24		
40	PI2 BPSK	1	108	22.33	22.27	22.40	24.7	0.5
40	PI2 BPSK	1	214	22.35	22.39	22.42		
40	PI2 BPSK	108	0	21.45	21.40	21.45		
40	PI2 BPSK	108	54	22.33	22.26	22.42	24.7	0.5
40	PI2 BPSK	108	108	21.43	21.45	21.49		
40	PI2 BPSK	216	0	21.42	21.35	21.41		
40	QPSK	1	1	23.92	23.97	23.83	25.2	0.0
40	QPSK	1	108	23.85	23.85	23.96		
40	QPSK	1	214	23.83	23.71	23.66		
40	QPSK	108	0	21.90	21.90	21.92	25.2	0.0
40	QPSK	108	54	23.83	23.85	23.87		
40	QPSK	108	108	21.96	21.97	22.01		
40	QPSK	216	0	21.94	21.95	21.93	24.2	1.0
40	16QAM	1	1	23.11	22.78	23.03		
40	64QAM	1	1	21.65	21.57	21.52		
40	256QAM	1	1	19.45	19.45	19.35	20.7	4.5
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	23.90	23.88	23.84	25.2	0.0
Channel				345000	349000	353000		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.77	23.78	23.80	25.2	0.0
Channel				343500	349000	354500		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.79	23.73	23.83	25.2	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.80	23.73	23.93	25.2	0.0
Channel				342000	349000	356000		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.78	23.68	23.87	25.2	0.0

n71_ANT 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Main Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134500	136100	137600	25.2	0.0
Frequency (MHz)				673	680.5	688		
20	PI2 BPSK	1	1	22.37	22.45	22.42		
20	PI2 BPSK	1	53	22.33	22.38	22.23	24.7	0.5
20	PI2 BPSK	1	104	22.28	22.23	22.14		
20	PI2 BPSK	50	0	22.37	22.41	22.24		
20	PI2 BPSK	50	26	22.36	22.50	22.34	24.7	0.5
20	PI2 BPSK	50	56	22.39	22.24	22.26		
20	PI2 BPSK	100	0	22.28	22.32	22.28		
20	QPSK	1	1	23.87	23.90	23.89	25.2	0.0
20	QPSK	1	53	23.64	23.71	23.60		
20	QPSK	1	104	23.64	23.65	23.54		
20	QPSK	50	0	23.45	23.48	23.46	24.2	1.0
20	QPSK	50	26	23.56	23.58	23.56		
20	QPSK	50	56	23.11	23.11	23.04		
20	QPSK	100	0	23.11	23.03	23.16	24.2	1.0
20	16QAM	1	1	23.41	23.45	23.40		
20	64QAM	1	1	21.95	21.95	21.93		
20	256QAM	1	1	19.75	19.75	19.65	20.7	4.5
Channel				134100	136100	138100		
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	23.79	23.90	23.74	25.2	0.0
Channel				133500	135100	136600		
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	23.85	23.71	23.78	25.2	0.0
Channel				133100	136100	139100		
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	23.77	23.68	23.82	25.2	0.0



n38_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								
Frequency (MHz)				518004	519000	519996		
40	P1/2 BPSK	1	1	2595.02	2595	2599.98		
40	P1/2 BPSK	1	1	18.22	18.28	18.26		
40	P1/2 BPSK	1	53	18.23	18.29	18.29	19.7	0.0
40	P1/2 BPSK	1	104	18.26	18.27	18.30		
40	P1/2 BPSK	50	0	18.23	18.26	18.23	19.7	0.0
40	P1/2 BPSK	50	28	18.22	18.26	18.28	19.7	0.0
40	P1/2 BPSK	50	56	18.26	18.30	18.26		
40	P1/2 BPSK	100	0	18.21	18.32	18.24	19.7	0.0
40	QPSK	1	1	18.37	18.44	18.35		
40	QPSK	1	53	18.31	18.41	18.34	19.7	0.0
40	QPSK	1	104	18.33	18.36	18.33		
40	QPSK	50	0	18.31	18.25	18.26		
40	QPSK	50	28	18.29	18.35	18.32	19.7	0.0
40	QPSK	50	56	18.28	18.33	18.26		
40	QPSK	100	0	18.28	18.30	18.23	19.7	0.0
40	16QAM	1	1	18.27	18.32	18.26	19.7	0.0
40	64QAM	1	1	18.28	18.28	18.27	19.7	0.0
40	256QAM	1	1	18.20	18.31	18.31	19.7	0.0
Channel								
Frequency (MHz)				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	2594.01	2595	2594.99	19.7	0.0
Channel								
Frequency (MHz)				518000	519000	520000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	2590	2595	2610	19.7	0.0

n41(PC3)_FCC_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								
Frequency (MHz)				509202	518098	528000		
Frequency (MHz)				2546.01	2592.99	2650		
100	P1/2 BPSK	1	1	18.34	18.43	18.45		
100	P1/2 BPSK	1	137	18.30	18.47	18.45	19.7	0.0
100	P1/2 BPSK	1	271	18.37	18.50	18.40		
100	P1/2 BPSK	135	0	18.38	18.50	18.46	19.7	0.0
100	P1/2 BPSK	135	69	18.31	18.50	18.38	19.7	0.0
100	P1/2 BPSK	135	133	18.38	18.47	18.44		
100	P1/2 BPSK	230	0	18.31	18.51	18.43	19.7	0.0
100	QPSK	1	1	18.48	18.53	18.50		
100	QPSK	1	137	18.44	18.45	18.44	19.7	0.0
100	QPSK	1	271	18.47	18.48	18.45		
100	QPSK	135	0	18.34	18.51	18.40		
100	QPSK	135	69	18.40	18.52	18.47	19.7	0.0
100	QPSK	135	138	18.36	18.49	18.41		
100	QPSK	270	0	18.32	18.44	18.42	19.7	0.0
100	16QAM	1	1	18.34	18.48	18.39	19.7	0.0
100	64QAM	1	1	18.34	18.47	18.44	19.7	0.0
100	256QAM	1	1	18.34	18.48	18.42	19.7	0.0
Channel								
Frequency (MHz)				508200	518098	528996	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	2541	2592.99	2644.98	19.7	0.0
Channel								
Frequency (MHz)				507204	518098	528996	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	2536.02	2592.99	2644.99	19.7	0.0
Channel								
Frequency (MHz)				506202	518098	528000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	18.37	18.46	18.40	19.7	0.0
Channel								
Frequency (MHz)				505200	518098	531996	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	2531.01	2592.99	2655	19.7	0.0
Channel								
Frequency (MHz)				504204	518098	532998	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	2521.02	2592.99	2654.99	19.7	0.0
Channel								
Frequency (MHz)				503202	518098	534000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	18.35	18.50	18.38	19.7	0.0
Channel								
Frequency (MHz)				502200	518098	534996	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	2511	2592.99	2674.98	19.7	0.0
Channel								
Frequency (MHz)				501204	518098	535998	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	2506.02	2592.99	2679.99	19.7	0.0

n41(PC2)_FCC_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								
Frequency (MHz)				508202	518098	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	P1/2 BPSK	1	1	18.34	18.43	18.45		
100	P1/2 BPSK	1	137	18.30	18.47	18.45	19.7	0.0
100	P1/2 BPSK	1	271	18.37	18.50	18.40		
100	P1/2 BPSK	135	0	18.38	18.50	18.46	19.7	0.0
100	P1/2 BPSK	135	69	18.31	18.50	18.38	19.7	0.0
100	P1/2 BPSK	135	138	18.38	18.47	18.44		
100	P1/2 BPSK	270	0	18.31	18.51	18.43	19.7	0.0
100	QPSK	1	1	18.48	18.53	18.50		
100	QPSK	1	137	18.44	18.45	18.44	19.7	0.0
100	QPSK	1	271	18.47	18.48	18.45		
100	QPSK	135	0	18.34	18.51	18.40		
100	QPSK	135	69	18.40	18.52	18.47	19.7	0.0
100	QPSK	135	138	18.36	18.49	18.41		
100	QPSK	270	0	18.32	18.44	18.42	19.7	0.0
100	16QAM	1	1	18.34	18.48	18.39	19.7	0.0
100	64QAM	1	1	18.34	18.47	18.44	19.7	0.0
100	256QAM	1	1	18.34	18.48	18.42	19.7	0.0
Channel								
Frequency (MHz)				508200	518098	528996	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	2541	2592.99	2644.98	19.7	0.0
Channel								
Frequency (MHz)				507204	518098	528996	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	2536.02	2592.99	2644.99	19.7	0.0
Channel								
Frequency (MHz)				506202	518098	528000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	18.37	18.46	18.40	19.7	0.0
Channel								
Frequency (MHz)				505200	518098	531996	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	2531.01	2592.99	2655	19.7	0.0
Channel								
Frequency (MHz)				504204	518098	532998	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	2521.02	2592.99	2654.99	19.7	0.0
Channel								
Frequency (MHz)				503202	518098	534000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	18.35	18.50	18.38	19.7	0.0
Channel								
Frequency (MHz)				502200	518098	534996	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	2511	2592.99	2674.98	19.7	0.0
Channel								
Frequency (MHz)				501204	518098	535998	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	2506.02	2592.99	2679.99	19.7	0.0

n41(PC3)_FCC_ANT 5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Med Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI2 BPSK	1	1	22.97	23.21	23.01		
100	PI2 BPSK	1	137	23.04	23.03	22.98	24.2	0.0
100	PI2 BPSK	1	271	23.02	23.09	21.35		
100	PI2 BPSK	135	0	22.58	22.53	22.51	23.7	0.5
100	PI2 BPSK	135	69	22.85	22.96	22.82	24.2	0.0
100	PI2 BPSK	135	135	22.43	22.42	21.91	23.7	0.5
100	PI2 BPSK	270	0	22.36	22.48	22.21		
100	QPSK	1	1	23.10	23.32	23.01		
100	QPSK	1	137	23.14	23.16	22.95	24.2	0.0
100	QPSK	1	271	23.12	23.12	21.01		
100	QPSK	135	0	21.57	22.03	21.84		
100	QPSK	135	69	22.81	22.95	22.68	24.2	0.0
100	QPSK	135	135	21.95	21.88	21.45		
100	QPSK	270	0	21.89	21.96	21.72	23.2	1.0
100	16QAM	1	1	21.74	21.92	22.19	23.2	1.0
100	64QAM	1	1	20.58	20.75	20.84	21.7	2.5
100	256QAM	1	1	18.35	18.57	18.39	19.7	4.5
Channel				508200	518598	528996	Tune-up limit (dB)	MPR
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	22.95	23.06	23.03	24.2	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	23.01	23.05	22.99	24.2	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	23.01	23.08	23.05	24.2	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2531	2592.99	2654.98		
60	QPSK	1	1	23.18	23.15	23.04	24.2	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	23.12	23.20	23.08	24.2	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	23.15	23.14	23.06	24.2	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	23.14	23.13	23.01	24.2	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	23.12	23.11	23.04	24.2	0.0

n41(PC2)_FCC_ANT 5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Med Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI2 BPSK	1	1	22.97	23.21	23.01		
100	PI2 BPSK	1	137	23.04	23.03	22.98	24.2	0.0
100	PI2 BPSK	1	271	23.02	23.09	21.35		
100	PI2 BPSK	135	0	22.58	22.53	22.51	24.2	0.0
100	PI2 BPSK	135	69	22.85	22.96	22.82	24.2	0.0
100	PI2 BPSK	135	135	22.43	22.42	21.91		
100	PI2 BPSK	270	0	22.36	22.48	22.21	24.2	0.0
100	QPSK	1	1	23.10	23.32	23.01		
100	QPSK	1	137	23.14	23.16	22.95	24.2	0.0
100	QPSK	1	271	23.12	23.12	21.01		
100	QPSK	135	0	21.57	22.03	21.84		
100	QPSK	135	69	22.81	22.95	22.68	24.2	0.0
100	QPSK	135	135	21.95	21.88	21.45		
100	QPSK	270	0	21.89	21.96	21.72	24.2	0.0
100	16QAM	1	1	21.74	21.92	22.19	24.2	0.0
100	64QAM	1	1	20.58	20.75	20.84	23.7	0.5
100	256QAM	1	1	18.35	18.57	18.39	21.7	2.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	22.95	23.06	23.03	24.2	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	23.01	23.05	22.99	24.2	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	23.01	23.08	23.05	24.2	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2531	2592.99	2654.98		
60	QPSK	1	1	23.18	23.15	23.04	24.2	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	23.12	23.20	23.08	24.2	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	23.15	23.14	23.06	24.2	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	23.14	23.13	23.01	24.2	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	23.12	23.11	23.04	24.2	0.0



Reduced Power for DSI2

n5_ANT 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Main Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				166800	167300	167800	
Frequency (MHz)				834	836.5	839	
20	PI2 BPSK	1	1	23.28	23.20	23.36	24.7
20	PI2 BPSK	1	53	23.25	23.26	23.18	
20	PI2 BPSK	50	0	22.74	22.73	22.87	24.2
20	PI2 BPSK	50	21	23.31	23.30	23.33	24.7
20	PI2 BPSK	50	56	22.79	22.76	22.86	24.2
20	PI2 BPSK	100	0	22.74	22.74	22.76	
20	QPSK	1	1	23.34	23.45	23.42	24.7
20	QPSK	1	53	23.32	23.38	23.40	
20	QPSK	1	104	23.26	23.22	23.24	24.7
20	QPSK	50	5	22.80	22.86	22.84	
20	QPSK	50	21	23.29	23.30	23.27	24.7
20	QPSK	50	56	22.79	22.76	22.77	24.7
20	QPSK	100	0	22.77	22.86	22.76	24.7
20	16QAM	1	1	23.08	23.06	23.01	23.7
20	64QAM	1	1	21.51	21.64	21.58	22.2
20	256QAM	1	1	19.31	19.37	19.36	20.2
Channel				168300	167300	168300	
Frequency (MHz)				841.5	844.5	841.5	
15	QPSK	1	1	23.13	23.17	23.19	24.7
Channel				166800	167300	168800	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	1	23.11	23.12	23.08	24.7
Channel				165300	836.5	165300	
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	1	23.19	23.16	23.14	24.7

n71_ANT 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Main Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				134600	136100	137600	
Frequency (MHz)				673	680.5	688	
20	PI2 BPSK	1	1	22.71	22.74	22.67	25.2
20	PI2 BPSK	1	53	22.58	22.52	22.52	
20	PI2 BPSK	50	0	22.48	22.56	22.44	24.7
20	PI2 BPSK	50	28	22.61	22.66	22.61	25.2
20	PI2 BPSK	50	56	22.58	22.45	22.53	24.7
20	PI2 BPSK	100	0	22.53	22.55	22.50	
20	QPSK	1	1	24.04	24.13	24.09	25.2
20	QPSK	1	53	24.03	24.05	23.95	
20	QPSK	1	104	23.98	23.96	23.97	24.2
20	QPSK	50	5	23.88	23.92	23.88	
20	QPSK	50	28	23.93	23.99	23.93	25.2
20	QPSK	50	56	22.93	22.88	22.86	24.2
20	QPSK	100	0	22.99	23.03	22.88	24.2
20	16QAM	1	1	22.42	23.22	23.29	24.2
20	64QAM	1	1	20.95	21.69	21.86	22.7
20	256QAM	1	1	18.81	19.65	19.60	20.7
Channel				134100	136100	138100	
Frequency (MHz)				681.5	680.5	686.5	
15	QPSK	1	1	24.01	24.04	24.03	25.2
Channel				135600	136100	138600	
Frequency (MHz)				688	680.5	693	
10	QPSK	1	1	23.92	24.03	24.03	25.2
Channel				133100	680.5	133100	
Frequency (MHz)				685.5	680.5	695.5	
5	QPSK	1	1	24.01	24.06	24.07	25.2

n5_ANT 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Main Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	24.7	0.0
Frequency (MHz)				834	836	839		
20	PI2 BPSK	1	1	23.28	23.20	23.36	24.7	0.0
20	PI2 BPSK	1	53	23.25	23.26	23.18		
20	PI2 BPSK	50	104	23.12	23.08	23.07	24.2	0.5
20	PI2 BPSK	50	0	22.74	22.73	22.87		
20	PI2 BPSK	50	21	23.31	23.30	23.33	24.7	0.0
20	PI2 BPSK	50	56	22.79	22.75	22.86		
20	PI2 BPSK	100	0	22.74	22.74	22.76	24.2	0.5
20	QPSK	1	1	23.34	23.45	23.42		
20	QPSK	1	53	23.32	23.38	23.40	24.7	0.0
20	QPSK	1	104	23.26	23.22	23.24		
20	QPSK	50	5	22.80	22.86	22.84	24.7	0.0
20	QPSK	50	21	23.29	23.30	23.27		
20	QPSK	50	56	22.79	22.76	22.77	24.7	0.0
20	QPSK	100	0	22.77	22.86	22.76		
20	16QAM	1	1	23.08	23.06	23.01	23.7	1.0
20	64QAM	1	1	21.51	21.64	21.68		
20	256QAM	1	1	19.31	19.37	19.36	20.2	4.5
Channel				166300	167300	168300		
Frequency (MHz)				831.5	834.5	837.5	24.7	0.0
15	QPSK	1	1	23.13	23.17	23.19		
Channel				166800	167300	168800	24.7	0.0
Frequency (MHz)				829 <th>836.5<th>844</th></th>	836.5 <th>844</th>	844		
10	QPSK	1	1	23.11	23.12	23.09	24.7	0.0
Channel				167300	167300	167300		
Frequency (MHz)				826.5 <th>836.5<th>846.5</th><th rowspan="2">24.7<th rowspan="2">0.0</th></th></th>	836.5 <th>846.5</th> <th rowspan="2">24.7<th rowspan="2">0.0</th></th>	846.5	24.7 <th rowspan="2">0.0</th>	0.0
5	QPSK	1	1	23.19	23.16	23.14		

n71_ANT 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Main Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600	25.2	0.0
Frequency (MHz)				673	680.5	688		
20	PI2 BPSK	1	1	22.71	22.74	22.67	25.2	0.0
20	PI2 BPSK	1	53	22.98	22.92	22.92		
20	PI2 BPSK	50	104	22.54	22.44	22.44	24.7	0.5
20	PI2 BPSK	50	0	22.48	22.50	22.50		
20	PI2 BPSK	50	21	22.61	22.66	22.61	24.7	0.5
20	PI2 BPSK	50	56	22.58	22.45	22.53		
20	PI2 BPSK	100	0	22.53	22.55	22.50	24.09	0.0
20	QPSK	1	1	24.04	24.13	24.09		
20	QPSK	1	53	24.03	24.05	23.95	24.2	1.0
20	QPSK	1	104	23.99	23.96	23.97		
20	QPSK	50	5	23.85	23.02	22.98	24.2	1.0
20	QPSK	50	21	23.93	23.99	23.93		
20	QPSK	50	56	22.93	22.88	22.86	24.2	1.0
20	QPSK	100	0	22.99	23.03	22.88		
20	16QAM	1	1	22.42	23.22	23.29	24.2	1.0
20	64QAM	1	1	20.95	21.69	21.86		
20	256QAM	1	1	18.81	19.65	19.60	20.7	4.5
Channel				134100	136100	138100		
Frequency (MHz)				669.5	680.5	688.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	24.01	24.04	24.03	25.2	0.0
Channel				135600	136100	138600	25.2	0.0
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	23.92	24.03	24.03	25.2	0.0
Channel				137100	137600	137600		
Frequency (MHz)				665.5 <th>680.5</th> <th>695.5<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th>	680.5	695.5 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	24.01	24.06	24.07	25.2	0.0



Default Power&DSI4/9/14

Par270 n77(PC3)_FCC_ANT 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Medu Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	22.76	22.89	22.77	24.7	0.0	
100	PI2 BPSK	1	137	22.88	22.81	22.75			
100	PI2 BPSK	1	271	22.85	22.82	22.69			
100	PI2 BPSK	135	0	22.25	22.29	22.24	24.2	0.5	
100	PI2 BPSK	135	69	22.86	22.87	22.63	24.7	0.0	
100	PI2 BPSK	135	135	22.36	22.19	22.07	24.2	0.5	
100	PI2 BPSK	270	0	22.27	22.28	22.16			
100	QPSK	1	1	22.87	22.90	22.79	24.7	0.0	
100	QPSK	1	137	22.81	22.84	22.78			
100	QPSK	1	271	22.71	22.83	22.68			
100	QPSK	135	0	22.74	22.81	22.68	24.7	0.0	
100	QPSK	135	69	22.87	22.88	22.76			
100	QPSK	135	138	22.62	22.75	22.69			
100	QPSK	270	0	22.05	22.09	22.01	23.7	1.0	
100	16QAM	1	1	22.04	22.07	21.97	23.7	1.0	
100	64QAM	1	1	20.85	20.95	20.81	22.2	2.5	
100	256QAM	1	1	18.59	18.72	18.61	20.2	4.5	
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3743.02	3840	3934.98			
90	QPSK	1	1	22.85	22.72	22.83	24.7	0.0	
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3939.99			
80	QPSK	1	1	22.83	22.88	22.80	24.7	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	22.80	22.83	22.83	24.7	0.0	
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98			
60	QPSK	1	1	22.80	22.78	22.83	24.7	0.0	
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3954.99			
50	QPSK	1	1	22.80	22.88	22.86	24.7	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	22.86	22.82	22.82	24.7	0.0	
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3974.98			
30	QPSK	1	1	22.85	22.14	22.80	24.7	0.0	
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3969.99			
20	QPSK	1	1	22.81	22.85	22.88	24.7	0.0	

Par270 n77(PC2)_FCC_ANT 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Medu Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	24.94	25.17	24.99	26.7	0.0	
100	PI2 BPSK	1	137	24.99	25.02	24.94			
100	PI2 BPSK	1	271	25.16	25.03	24.75			
100	PI2 BPSK	135	0	24.42	24.46	24.37	26.2	0.5	
100	PI2 BPSK	135	69	24.92	25.05	24.91	26.7	0.0	
100	PI2 BPSK	135	138	24.41	24.38	24.19	26.2	0.5	
100	PI2 BPSK	270	0	26.37	24.98	24.32			
100	QPSK	1	1	24.94	25.18	25.01	26.7	0.0	
100	QPSK	1	137	24.90	25.03	24.95			
100	QPSK	1	271	24.84	24.96	24.89			
100	QPSK	135	0	23.63	23.89	23.63	26.7	0.0	
100	QPSK	135	69	24.81	24.82	24.79			
100	QPSK	135	138	23.75	23.87	23.74			
100	QPSK	270	0	24.02	24.09	23.97	25.7	1.0	
100	16QAM	1	1	23.58	24.07	23.91	25.7	1.0	
100	64QAM	1	1	22.46	22.52	22.47	24.2	2.5	
100	256QAM	1	1	20.19	20.35	20.20	22.2	4.5	
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3743.02	3840	3934.98			
90	QPSK	1	1	24.93	25.05	24.90	26.7	0.0	
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3939.99			
80	QPSK	1	1	24.92	24.99	24.88	26.7	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	24.89	25.02	24.89	26.7	0.0	
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98			
60	QPSK	1	1	24.95	24.85	24.91	26.7	0.0	
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3954.99			
50	QPSK	1	1	24.88	24.87	24.96	26.7	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	24.89	25.16	24.88	26.7	0.0	
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3974.98			
30	QPSK	1	1	24.87	25.02	24.95	26.7	0.0	
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3969.99			
20	QPSK	1	1	24.95	25.01	24.93	26.7	0.0	

Par27Q n77(PC3)_FCC_ANT 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332					
Frequency (MHz)				3499.98					
100	PI2 BPSK	1	1		22.89		24.7	0.0	
100	PI2 BPSK	1	137		22.89				
100	PI2 BPSK	1	271		22.89				
100	PI2 BPSK	135	0		22.43		24.2	0.5	
100	PI2 BPSK	135	69		22.67		24.7	0.0	
100	PI2 BPSK	135	135		22.41		24.2	0.5	
100	PI2 BPSK	270	0		22.34				
100	QPSK	1	1		22.91		24.7	0.0	
100	QPSK	1	137		22.61				
100	QPSK	1	271		22.75				
100	QPSK	135	0		22.75		24.7	0.0	
100	QPSK	135	69		22.79				
100	QPSK	135	135		22.77				
100	QPSK	270	0		22.31		23.7	1.0	
100	MSAM	1	1		22.27		23.7	1.0	
100	MSAM	1	1		20.47		22.2	2.5	
100	256QAM	1	1		18.33		20.2	4.5	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99			
90	QPSK	1	1		22.66	22.63	22.68	24.7	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495.02	3499.98	3510			
80	QPSK	1	1		22.70	22.64	22.68	24.7	0.0
Channel				631574	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3499.98	3514.98			
70	QPSK	1	1		22.60	22.66	22.59	24.7	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3519.99			
60	QPSK	1	1		22.67	22.68	22.61	24.7	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1		22.63	22.82	22.66	24.7	0.0
Channel				631324	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1		22.66	22.82	22.63	24.7	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3534.99			
30	QPSK	1	1		22.69	22.79	22.60	24.7	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1		22.63	22.85	22.70	24.7	0.0

Par27Q n77(PC2)_FCC_ANT 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332					
Frequency (MHz)				3499.98					
100	PI2 BPSK	1	1		25.69		26.7	0.0	
100	PI2 BPSK	1	137		25.35				
100	PI2 BPSK	1	271		25.46				
100	PI2 BPSK	135	0		24.81		26.2	0.5	
100	PI2 BPSK	135	69		25.36		26.7	0.0	
100	PI2 BPSK	135	135		24.77		26.2	0.5	
100	PI2 BPSK	270	0		24.81				
100	QPSK	1	1		25.70		26.7	0.0	
100	QPSK	1	137		25.32				
100	QPSK	1	271		25.44				
100	QPSK	135	0		24.00		26.7	0.0	
100	QPSK	135	69		25.24				
100	QPSK	135	135		25.85				
100	QPSK	270	0		24.21		25.7	1.0	
100	16QAM	1	1		24.28		25.7	1.0	
100	64QAM	1	1		23.03		24.2	2.5	
100	256QAM	1	1		20.81		22.2	4.5	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99			
90	QPSK	1	1		25.20	25.44	25.20	26.7	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3499.98	3510			
80	QPSK	1	1		25.20	25.41	25.24	26.7	0.0
Channel				632314	633332	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3499.98	3514.98			
70	QPSK	1	1		25.18	25.35	25.22	26.7	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3519.99			
60	QPSK	1	1		25.24	25.51	25.22	26.7	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.98	3525			
50	QPSK	1	1		25.19	25.59	25.26	26.7	0.0
Channel				631324	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3529.98			
40	QPSK	1	1		25.25	25.61	25.25	26.7	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3534.99			
30	QPSK	1	1		25.27	25.61	25.26	26.7	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540			
20	QPSK	1	1		25.19	25.68	25.16	26.7	0.0

Par270 n77(PC3)_FCC_ANT 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Main Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	22.28	22.86	23.31	24.2	0.0
100	PI2 BPSK	1	137	22.37	22.31	22.29		
100	PI2 BPSK	1	271	22.35	22.38	22.24		
100	PI2 BPSK	135	0	22.32	22.29	22.22	23.7	0.5
100	PI2 BPSK	135	69	22.23	22.35	22.23	24.2	0.0
100	PI2 BPSK	135	135	22.13	22.12	22.18	23.7	0.5
100	PI2 BPSK	270	0	22.19	22.21	22.20		
100	QPSK	1	1	22.69	22.87	22.71		
100	QPSK	1	137	22.53	22.73	22.56	24.2	0.0
100	QPSK	1	271	22.54	22.71	22.54	24.2	0.0
100	QPSK	135	0	22.64	22.81	22.65		
100	QPSK	135	69	22.81	22.82	22.76		
100	QPSK	135	135	22.46	22.66	22.51	23.2	1.0
100	QPSK	270	0	21.71	21.88	21.71		
100	MSAM	1	1	21.53	21.71	21.56		
100	MSAM	1	1	20.63	20.81	20.68	21.7	2.5
100	256QAM	1	1	18.22	18.39	18.28	19.7	4.5
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3743.02	3840	3934.98		
90	QPSK	1	1	22.36	22.45	22.29	24.2	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	QPSK	1	1	22.30	22.48	22.33	24.2	0.0
Channel				649000	656000	662992	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	22.33	22.53	22.38	24.2	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3731.02	3840	3949.98		
60	QPSK	1	1	22.32	22.66	22.37	24.2	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	QPSK	1	1	22.33	22.66	22.38	24.2	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	22.28	22.82	22.38	24.2	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3716.02	3840	3964.98		
30	QPSK	1	1	22.30	22.82	22.35	24.2	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	QPSK	1	1	22.34	22.69	22.29	24.2	0.0

Par270 n77(PC2)_FCC_ANT 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Main Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	24.87	25.16	24.91	26.2	0.0
100	PI2 BPSK	1	137	24.92	24.93	24.95		
100	PI2 BPSK	1	271	24.87	24.90	24.91		
100	PI2 BPSK	135	0	24.89	24.87	24.86	25.7	0.5
100	PI2 BPSK	135	69	24.77	24.94	24.84	26.2	0.0
100	PI2 BPSK	135	135	24.81	24.82	24.81	25.7	0.5
100	PI2 BPSK	270	0	24.76	24.87	24.86		
100	QPSK	1	1	24.96	25.14	25.01		
100	QPSK	1	137	24.94	25.13	24.97	26.2	0.0
100	QPSK	1	271	24.83	25.02	24.87	26.2	0.0
100	QPSK	135	0	24.29	24.47	24.30		
100	QPSK	135	69	24.58	24.80	24.64		
100	QPSK	135	135	24.09	24.32	24.13	25.2	1.0
100	QPSK	270	0	24.06	24.28	24.11		
100	MSAM	1	1	24.07	24.28	24.11		
100	MSAM	1	1	22.77	22.97	22.82	23.7	2.5
100	256QAM	1	1	20.51	20.71	20.54	21.7	4.5
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3743.02	3840	3934.98		
90	QPSK	1	1	24.81	24.92	24.74	26.2	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	QPSK	1	1	24.74	25.03	24.85	26.2	0.0
Channel				649000	656000	662992	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	24.82	25.02	24.77	26.2	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3731.02	3840	3949.98		
60	QPSK	1	1	24.72	25.09	24.79	26.2	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	QPSK	1	1	24.74	24.89	24.82	26.2	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	24.74	25.07	24.76	26.2	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3716.02	3840	3964.98		
30	QPSK	1	1	24.73	25.03	24.80	26.2	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	QPSK	1	1	24.70	24.91	24.83	26.2	0.0

Par27Q n77(PC3)_FCC_ANT 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Med. Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332				
Frequency (MHz)				3499.98				
100	PI2 BPSK	1	1		22.68		24.2	0.0
100	PI2 BPSK	1	137		22.51			
100	PI2 BPSK	1	271		22.56			
100	PI2 BPSK	135	0		22.36		23.7	0.5
100	PI2 BPSK	135	69		22.62		24.2	0.0
100	PI2 BPSK	135	135		22.31		23.7	0.5
100	PI2 BPSK	270	0		22.61			
100	QPSK	1	1		22.71		24.2	0.0
100	QPSK	1	137		22.55			
100	QPSK	1	271		22.63			
100	QPSK	135	0		22.53		24.2	0.0
100	QPSK	135	69		22.64			
100	QPSK	135	135		22.54			
100	QPSK	270	0		21.81		23.2	1.0
100	64QAM	1	1		21.71		23.2	1.0
100	64QAM	1	1		20.29		21.7	2.5
100	256QAM	1	1		18.24		18.7	4.5
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	QPSK	1	1		22.58	22.47	22.53	24.2 0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495.02	3499.98	3510		
80	QPSK	1	1		22.53	22.48	22.59	24.2 0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	QPSK	1	1		22.54	22.52	22.59	24.2 0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3519.99		
60	QPSK	1	1		22.59	22.66	22.65	24.2 0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	QPSK	1	1		22.53	22.67	22.53	24.2 0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	QPSK	1	1		22.60	22.65	22.63	24.2 0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	QPSK	1	1		22.54	22.62	22.62	24.2 0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	QPSK	1	1		22.58	22.48	22.56	24.2 0.0

Par27Q n77(PC2)_FCC_ANT 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Med. Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332				
Frequency (MHz)				3499.98				
100	PI2 BPSK	1	1		25.16		26.2	0.0
100	PI2 BPSK	1	137		24.34			
100	PI2 BPSK	1	271		24.94			
100	PI2 BPSK	135	0		24.89		25.7	0.5
100	PI2 BPSK	135	69		24.92		26.2	0.0
100	PI2 BPSK	135	135		24.91		25.7	0.5
100	PI2 BPSK	270	0		24.83			
100	QPSK	1	1		25.13		26.2	0.0
100	QPSK	1	137		24.88			
100	QPSK	1	271		25.06			
100	QPSK	135	0		24.42		26.2	0.0
100	QPSK	135	69		25.01			
100	QPSK	135	135		24.36			
100	QPSK	270	0		24.29		25.2	1.0
100	64QAM	1	1		24.16		25.2	1.0
100	64QAM	1	1		22.93		23.7	2.5
100	256QAM	1	1		20.70		21.7	4.5
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	QPSK	1	1		25.02	24.99	24.98	26.2 0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	QPSK	1	1		25.04	25.01	24.97	26.2 0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	QPSK	1	1		25.05	25.03	25.00	26.2 0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3519.99		
60	QPSK	1	1		25.05	25.08	25.04	26.2 0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	QPSK	1	1		24.98	25.03	25.02	26.2 0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	QPSK	1	1		24.98	25.09	24.99	26.2 0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	QPSK	1	1		25.05	25.18	25.00	26.2 0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	QPSK	1	1		24.99	25.09	25.01	26.2 0.0

Reduced Power for DS15

Par270 n77(PC2)_FCC_ANT 5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Med Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	14.12	14.23	14.19		
100	PI2 BPSK	1	137	14.08	14.21	14.23	15.7	0.0
100	PI2 BPSK	1	271	14.10	14.24	14.20		
100	PI2 BPSK	135	0	14.13	14.20	14.20	15.7	0.0
100	PI2 BPSK	135	69	14.08	14.22	14.16	15.7	0.0
100	PI2 BPSK	135	135	14.11	14.24	14.18		
100	PI2 BPSK	270	0	14.08	14.26	14.16	15.7	0.0
100	QPSK	1	1	14.22	14.30	14.29		
100	QPSK	1	137	14.21	14.27	14.26	15.7	0.0
100	QPSK	1	271	14.20	14.23	14.23		
100	QPSK	135	0	14.13	14.24	14.18		
100	QPSK	135	69	14.16	14.27	14.24	15.7	0.0
100	QPSK	135	138	14.08	14.19	14.21		
100	QPSK	270	0	14.12	14.23	14.19	15.7	0.0
100	16QAM	1	1	14.16	14.22	14.16	15.7	0.0
100	64QAM	1	1	14.08	14.20	14.23	15.7	0.0
100	256QAM	1	1	14.11	14.24	14.18	15.7	0.0
Channel				648968	650000	662332	Tune-up limit (dB)	MPR
Frequency (MHz)				3743.02	3840	3943.98		
80	QPSK	1	1	13.94	14.03	13.97	15.7	0.0
Channel				649334	650000	660666	Tune-up limit (dBm)	MPR
Frequency (MHz)				3740.01	3840	3939.99		
80	QPSK	1	1	13.88	14.00	14.02	15.7	0.0
Channel				649000	650000	660000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	13.94	14.04	14.00	15.7	0.0
Channel				648968	650000	663332	Tune-up limit (dBm)	MPR
Frequency (MHz)				3733.02	3840	3943.98		
60	QPSK	1	1	13.95	14.05	13.99	15.7	0.0
Channel				648334	650000	660666	Tune-up limit (dBm)	MPR
Frequency (MHz)				3725.01	3840	3954.99		
50	QPSK	1	1	13.96	14.06	13.96	15.7	0.0
Channel				649000	650000	660000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	13.90	14.03	13.97	15.7	0.0
Channel				647968	650000	664332	Tune-up limit (dBm)	MPR
Frequency (MHz)				3713.02	3840	3973.98		
30	QPSK	1	1	13.90	14.06	13.96	15.7	0.0
Channel				647334	650000	660666	Tune-up limit (dBm)	MPR
Frequency (MHz)				3710.01	3840	3969.99		
20	QPSK	1	1	13.95	14.00	13.96	15.7	0.0

Par270 n77(PC2)_FCC_ANT 5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Med Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000	633332	633666		
Frequency (MHz)				3459.98				
100	PI2 BPSK	1	1		14.67			
100	PI2 BPSK	1	137		14.54		15.7	0.0
100	PI2 BPSK	1	271		14.56			
100	PI2 BPSK	135	0		14.59		15.7	0.0
100	PI2 BPSK	135	69		14.59		15.7	0.0
100	PI2 BPSK	135	138		14.53			
100	PI2 BPSK	270	0		14.53		15.7	0.0
100	QPSK	1	1		14.73			
100	QPSK	1	137		14.66		15.7	0.0
100	QPSK	1	271		14.65			
100	QPSK	135	0		14.67			
100	QPSK	135	69		14.71		15.7	0.0
100	QPSK	135	138		14.66			
100	QPSK	270	0		14.65		15.7	0.0
100	16QAM	1	1		14.64		15.7	0.0
100	64QAM	1	1		14.69		15.7	0.0
100	256QAM	1	1		14.64		15.7	0.0
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR
Frequency (MHz)				3450	3459.98	3464.98		
80	QPSK	1	1	14.51	14.67	14.57	15.7	0.0
Channel				630668	633332	634000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3455.02	3459.98	3510		
80	QPSK	1	1	14.55	14.65	14.58	15.7	0.0
Channel				632332	633332	634332	Tune-up limit (dBm)	MPR
Frequency (MHz)				3455.01	3459.98	3514.98		
70	QPSK	1	1	14.56	14.66	14.60	15.7	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR
Frequency (MHz)				3450	3459.98	3518.98		
60	QPSK	1	1	14.52	14.63	14.58	15.7	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3475.02	3459.98	3525		
50	QPSK	1	1	14.57	14.64	14.61	15.7	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR
Frequency (MHz)				3470.01	3459.98	3529.98		
40	QPSK	1	1	14.53	14.67	14.55	15.7	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR
Frequency (MHz)				3450	3459.98	3534.98		
30	QPSK	1	1	14.51	14.65	14.55	15.7	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3455.02	3459.98	3540		
20	QPSK	1	1	14.59	14.65	14.56	15.7	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Main Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	14.12	14.23	14.19		
100	PI2 BPSK	1	137	14.08	14.21	14.23	15.7	0.0
100	PI2 BPSK	1	271	14.10	14.24	14.20		
100	PI2 BPSK	135	0	14.13	14.20	14.20	15.7	0.0
100	PI2 BPSK	135	69	14.08	14.22	14.16	15.7	0.0
100	PI2 BPSK	138	138	14.11	14.24	14.18		
100	PI2 BPSK	270	0	14.08	14.26	14.19	15.7	0.0
100	QPSK	1	1	14.22	14.30	14.29		
100	QPSK	1	137	14.21	14.27	14.26	15.7	0.0
100	QPSK	1	271	14.20	14.23	14.23		
100	QPSK	135	0	14.13	14.24	14.16		
100	QPSK	135	69	14.16	14.27	14.24	15.7	0.0
100	QPSK	138	138	14.06	14.19	14.21		
100	QPSK	270	0	14.12	14.23	14.19	15.7	0.0
100	64QAM	1	1	14.15	14.22	14.18	15.7	0.0
100	64QAM	1	1	14.08	14.20	14.23	15.7	0.0
100	256QAM	1	1	14.11	14.24	14.18	15.7	0.0
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3743.02	3840	3934.98		
90	QPSK	1	1	13.94	14.03	13.97	15.7	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	QPSK	1	1	13.88	14.00	14.02	15.7	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	13.94	14.04	14.00	15.7	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3731.02	3840	3943.98		
60	QPSK	1	1	13.95	14.05	13.99	15.7	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3728.01	3840	3954.99		
50	QPSK	1	1	13.95	14.05	13.96	15.7	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	13.90	14.03	13.97	15.7	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3717.02	3840	3964.98		
30	QPSK	1	1	13.90	14.05	13.95	15.7	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	QPSK	1	1	13.95	14.00	13.96	15.7	0.0

Par27Q n77(PC3)_FCC_ANT 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Main Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633332			
Frequency (MHz)					3499.68			
100	PI2 BPSK	1	1		14.87			
100	PI2 BPSK	1	137		14.84		15.7	0.0
100	PI2 BPSK	1	271		14.86			
100	PI2 BPSK	135	0		14.89		15.7	0.0
100	PI2 BPSK	135	69		14.89		15.7	0.0
100	PI2 BPSK	138	138		14.83		15.7	0.0
100	PI2 BPSK	270	0		14.83			
100	QPSK	1	1		14.73			
100	QPSK	1	137		14.88		15.7	0.0
100	QPSK	1	271		14.89			
100	QPSK	135	0		14.82			
100	QPSK	135	69		14.71		15.7	0.0
100	QPSK	138	138		14.85			
100	QPSK	270	0		14.85		15.7	0.0
100	64QAM	1	1		14.84		15.7	0.0
100	64QAM	1	1		14.89		15.7	0.0
100	256QAM	1	1		14.84		15.7	0.0
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.68	3504.99		
90	QPSK	1	1	14.51	14.67	14.67	15.7	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.68	3510		
80	QPSK	1	1	14.55	14.65	14.68	15.7	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.68	3514.98		
70	QPSK	1	1	14.56	14.66	14.60	15.7	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.68	3518.99		
60	QPSK	1	1	14.52	14.63	14.58	15.7	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.68	3525		
50	QPSK	1	1	14.57	14.64	14.61	15.7	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.68	3529.98		
40	QPSK	1	1	14.53	14.67	14.55	15.7	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.68	3534.99		
30	QPSK	1	1	14.51	14.69	14.55	15.7	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.68	3540		
20	QPSK	1	1	14.59	14.69	14.56	15.7	0.0



Par27O n77(PC2)_FCC_ANT 10									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Med. Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	22.13	22.21	22.29	23.2	0.0	
100	PI2 BPSK	1	137	22.14	22.21	22.15			
100	PI2 BPSK	1	271	22.16	22.21	22.20			
100	PI2 BPSK	135	0	22.14	22.23	22.16	23.2	0.0	
100	PI2 BPSK	135	69	22.14	22.19	22.19	23.2	0.0	
100	PI2 BPSK	135	135	22.16	22.23	22.16	23.2	0.0	
100	PI2 BPSK	270	0	22.17	22.22	22.24			
100	QPSK	1	1	22.26	22.31	22.29			
100	QPSK	1	137	22.25	22.25	22.28	23.2	0.0	
100	QPSK	1	271	22.23	22.26	22.26			
100	QPSK	135	0	22.15	22.24	22.20			
100	QPSK	135	69	22.21	22.28	22.25	23.2	0.0	
100	QPSK	135	135	22.14	22.20	22.20			
100	QPSK	270	0	22.20	22.22	22.17	23.2	0.0	
100	MSAM	1	1	22.16	22.27	22.19	23.2	0.0	
100	MSAM	1	1	22.20	22.23	22.16	23.2	0.0	
100	256QAM	1	1	20.69	20.71	20.71	21.7	1.5	
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3743.02	3840	3934.98			
90	QPSK	1	1	22.19	22.26	22.21	23.2	0.0	
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3939.99			
80	QPSK	1	1	22.15	22.26	22.24	23.2	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	22.17	22.24	22.23	23.2	0.0	
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3733.02	3840	3943.98			
60	QPSK	1	1	22.14	22.20	22.23	23.2	0.0	
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3729.01	3840	3954.99			
50	QPSK	1	1	22.12	22.20	22.16	23.2	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	22.20	22.24	22.20	23.2	0.0	
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3713.02	3840	3963.98			
30	QPSK	1	1	22.18	22.24	22.15	23.2	0.0	
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3969.99			
20	QPSK	1	1	22.18	22.22	22.21	23.2	0.0	

Par27Q n77(PC2)_FCC_ANT 10									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Med. Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633332				
Frequency (MHz)					3499.68				
100	PI2 BPSK	1	1				23.2	0.0	
100	PI2 BPSK	1	137						
100	PI2 BPSK	1	271						
100	PI2 BPSK	135	0				23.2	0.0	
100	PI2 BPSK	135	69				23.2	0.0	
100	PI2 BPSK	135	135				23.2	0.0	
100	PI2 BPSK	270	0						
100	QPSK	1	1		22.32				
100	QPSK	1	137		22.29		23.2	0.0	
100	QPSK	1	271		22.29				
100	QPSK	135	0		22.26				
100	QPSK	135	69		22.29		23.2	0.0	
100	QPSK	135	135		22.22				
100	QPSK	270	0		22.26		23.2	0.0	
100	MSAM	1	1		22.26		23.2	0.0	
100	MSAM	1	1		22.26		23.2	0.0	
100	256QAM	1	1		20.78		21.7	1.5	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.68	3504.32			
90	QPSK	1	1	22.23	22.26	22.16	23.2	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3499.68	3510			
80	QPSK	1	1	22.18	22.24	22.13	23.2	0.0	
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3499.68	3514.98			
70	QPSK	1	1	22.16	22.22	22.21	23.2	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.68	3519.99			
60	QPSK	1	1	22.15	22.26	22.14	23.2	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.68	3525			
50	QPSK	1	1	22.22	22.26	22.18	23.2	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.68	3529.98			
40	QPSK	1	1	22.20	22.24	22.15	23.2	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.68	3534.32			
30	QPSK	1	1	22.23	22.26	22.19	23.2	0.0	
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.68	3540			
20	QPSK	1	1	22.22	22.22	22.18	23.2	0.0	



Par27O n77(PC3)_FCC_ANT 10									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Med. Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	22.13	22.21	22.29	23.2	0.0	
100	PI2 BPSK	1	137	22.14	22.21	22.15			
100	PI2 BPSK	1	271	22.16	22.21	22.20			
100	PI2 BPSK	135	0	22.14	22.23	22.16	23.2	0.0	
100	PI2 BPSK	135	69	22.14	22.19	22.19	23.2	0.0	
100	PI2 BPSK	135	135	22.16	22.23	22.16	23.2	0.0	
100	PI2 BPSK	270	0	22.17	22.22	22.24			
100	QPSK	1	1	22.26	22.31	22.29			
100	QPSK	1	137	22.25	22.25	22.28	23.2	0.0	
100	QPSK	1	271	22.23	22.26	22.26			
100	QPSK	135	0	22.15	22.24	22.20			
100	QPSK	135	69	22.21	22.28	22.25	23.2	0.0	
100	QPSK	135	135	22.14	22.20	22.20			
100	QPSK	270	0	22.20	22.22	22.17	23.2	0.0	
100	MSAM	1	1	22.16	22.27	22.19	23.2	0.0	
100	MSAM	1	1	20.70	20.73	20.66	21.7	1.5	
100	256QAM	1	1	18.69	18.71	18.71	19.7	3.5	
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3743.02	3840	3934.98			
90	QPSK	1	1	22.19	22.26	22.21	23.2	0.0	
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3939.99			
80	QPSK	1	1	22.15	22.26	22.24	23.2	0.0	
Channel				649000	656000	662992	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	22.17	22.24	22.23	23.2	0.0	
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3731.02	3840	3943.98			
60	QPSK	1	1	22.14	22.20	22.23	23.2	0.0	
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3728.01	3840	3944.99			
50	QPSK	1	1	22.12	22.20	22.16	23.2	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	22.20	22.24	22.20	23.2	0.0	
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3714.02	3840	3964.98			
30	QPSK	1	1	22.18	22.24	22.15	23.2	0.0	
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3969.99			
20	QPSK	1	1	22.16	22.22	22.21	23.2	0.0	

Par27Q n77(PC3)_FCC_ANT 10									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Med. Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633332	633666			
Frequency (MHz)				3495.88	3500	3505.88			
100	PI2 BPSK	1	1	22.26	22.29	22.28	23.2	0.0	
100	PI2 BPSK	1	137	22.21	22.29	22.21			
100	PI2 BPSK	1	271	22.26	22.29	22.26			
100	PI2 BPSK	135	0	22.25	22.29	22.25	23.2	0.0	
100	PI2 BPSK	135	69	22.27	22.27	22.27	23.2	0.0	
100	PI2 BPSK	135	135	22.26	22.26	22.26	23.2	0.0	
100	PI2 BPSK	270	0	22.24	22.24	22.24			
100	QPSK	1	1	22.32	22.32	22.32			
100	QPSK	1	137	22.29	22.29	22.29	23.2	0.0	
100	QPSK	1	271	22.29	22.29	22.29			
100	QPSK	135	0	22.26	22.26	22.26			
100	QPSK	135	69	22.29	22.29	22.29	23.2	0.0	
100	QPSK	135	135	22.22	22.22	22.22			
100	QPSK	270	0	22.26	22.26	22.26	23.2	0.0	
100	MSAM	1	1	22.26	22.26	22.26	23.2	0.0	
100	MSAM	1	1	20.76	20.76	20.76	21.7	1.5	
100	256QAM	1	1	18.76	18.76	18.76	19.7	3.5	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3499.88	3504.88			
90	QPSK	1	1	22.23	22.25	22.16	23.2	0.0	
Channel				632666	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3499.88	3510			
80	QPSK	1	1	22.18	22.24	22.13	23.2	0.0	
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3499.88	3514.98			
70	QPSK	1	1	22.16	22.22	22.21	23.2	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3499.88	3518.99			
60	QPSK	1	1	22.15	22.26	22.14	23.2	0.0	
Channel				631666	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3499.88	3525			
50	QPSK	1	1	22.22	22.26	22.18	23.2	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3499.88	3529.98			
40	QPSK	1	1	22.20	22.24	22.15	23.2	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3499.88	3534.99			
30	QPSK	1	1	22.23	22.26	22.19	23.2	0.0	
Channel				630666	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3499.88	3540			
20	QPSK	1	1	22.22	22.22	22.18	23.2	0.0	

Reduced Power for DSI10/15

Par270 n77(PC2)_FCC_ANT 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Med. Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	P12 BPSK	1	1	13.17	13.28	13.18		14.7	0.0
100	P12 BPSK	1	137	13.22	13.29	13.23			
100	P12 BPSK	1	271	13.19	13.29	13.17			
100	P12 BPSK	135	0	13.21	13.24	13.21	14.7	0.0	
100	P12 BPSK	135	69	13.16	13.25	13.22	14.7	0.0	
100	P12 BPSK	135	135	13.16	13.28	13.17		14.7	0.0
100	P12 BPSK	270	0	13.15	13.25	13.21			
100	QPSK	1	1	13.28	13.34	13.27		14.7	0.0
100	QPSK	1	137	13.27	13.25	13.22			
100	QPSK	1	271	13.20	13.26	13.22			
100	QPSK	135	0	13.20	13.29	13.21	14.7	0.0	
100	QPSK	135	69	13.23	13.30	13.24		14.7	0.0
100	QPSK	135	135	13.16	13.28	13.16			
100	QPSK	270	0	13.22	13.28	13.17	14.7	0.0	
100	MSAM	1	1	13.14	13.28	13.21	14.7	0.0	
100	MSAM	1	1	13.18	13.21	13.17	14.7	0.0	
100	256QAM	1	1	13.21	13.22	13.22	14.7	0.0	
Channel				649668	656000	662332	Tune-up limit (dB)	MPR	
Frequency (MHz)				3743.02	3840	3934.98			
90	QPSK	1	1	13.18	13.24	13.21	14.7	0.0	
Channel				649334	656000	662666	Tune-up limit (dB)	MPR	
Frequency (MHz)				3740.01	3840	3939.99			
80	QPSK	1	1	13.21	13.28	13.17	14.7	0.0	
Channel				649000	656000	663000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	13.20	13.29	13.15	14.7	0.0	
Channel				648668	656000	663332	Tune-up limit (dB)	MPR	
Frequency (MHz)				3731.02	3840	3943.98			
60	QPSK	1	1	13.19	13.23	13.21	14.7	0.0	
Channel				648334	656000	663666	Tune-up limit (dB)	MPR	
Frequency (MHz)				3728.01	3840	3944.99			
50	QPSK	1	1	13.21	13.22	13.15	14.7	0.0	
Channel				648000	656000	664000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	13.14	13.26	13.22	14.7	0.0	
Channel				647668	656000	664332	Tune-up limit (dB)	MPR	
Frequency (MHz)				3716.02	3840.00	3964.98			
30	QPSK	1	1	13.16	13.24	13.15	14.7	0.0	
Channel				647334	656000	664666	Tune-up limit (dB)	MPR	
Frequency (MHz)				3710.01	3840	3969.99			
20	QPSK	1	1	13.15	13.22	13.18	14.7	0.0	

Par27Q n77(PC2)_FCC_ANT 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Med. Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633332	633666			
Frequency (MHz)				3495.88	3500	3504.12			
100	P12 BPSK	1	1	13.72	13.69	13.72		14.7	0.0
100	P12 BPSK	1	137	13.69	13.73	13.69			
100	P12 BPSK	1	271	13.67	13.73	13.67			
100	P12 BPSK	135	0	13.73	13.73	13.73	14.7	0.0	
100	P12 BPSK	135	69	13.71	13.71	13.71	14.7	0.0	
100	P12 BPSK	135	135	13.66	13.66	13.66		14.7	0.0
100	P12 BPSK	270	0	13.72	13.72	13.72			
100	QPSK	1	1	13.83	13.83	13.83		14.7	0.0
100	QPSK	1	137	13.81	13.81	13.78			
100	QPSK	1	271	13.78	13.78	13.75			
100	QPSK	135	0	13.75	13.75	13.75	14.7	0.0	
100	QPSK	135	69	13.75	13.75	13.66		14.7	0.0
100	QPSK	135	135	13.66	13.66	13.66			
100	QPSK	270	0	13.72	13.72	13.72	14.7	0.0	
100	MSAM	1	1	13.70	13.70	13.70	14.7	0.0	
100	MSAM	1	1	13.68	13.68	13.68	14.7	0.0	
100	256QAM	1	1	13.86	13.86	13.86	14.7	0.0	
Channel				633000	633332	633666	Tune-up limit (dB)	MPR	
Frequency (MHz)				3495	3499.88	3504.12			
90	QPSK	1	1	13.65	13.70	13.65	14.7	0.0	
Channel				632668	633332	634000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3490.02	3499.88	3510			
80	QPSK	1	1	13.67	13.70	13.63	14.7	0.0	
Channel				632334	633332	634332	Tune-up limit (dB)	MPR	
Frequency (MHz)				3485.01	3499.88	3514.98			
70	QPSK	1	1	13.68	13.72	13.60	14.7	0.0	
Channel				632000	633332	634666	Tune-up limit (dB)	MPR	
Frequency (MHz)				3480	3499.88	3518.99			
60	QPSK	1	1	13.71	13.67	13.67	14.7	0.0	
Channel				631668	633332	635000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3475.02	3499.88	3525			
50	QPSK	1	1	13.65	13.73	13.60	14.7	0.0	
Channel				631334	633332	635332	Tune-up limit (dB)	MPR	
Frequency (MHz)				3470.01	3499.88	3529.98			
40	QPSK	1	1	13.70	13.69	13.62	14.7	0.0	
Channel				631000	633332	635666	Tune-up limit (dB)	MPR	
Frequency (MHz)				3465	3499.88	3534.99			
30	QPSK	1	1	13.64	13.68	13.67	14.7	0.0	
Channel				630668	633332	636000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3460.02	3499.88	3540			
20	QPSK	1	1	13.69	13.66	13.65	14.7	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Main Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	13.17	13.28	13.18		
100	PI2 BPSK	1	137	13.22	13.29	13.23	14.7	0.0
100	PI2 BPSK	1	271	13.19	13.29	13.17		
100	PI2 BPSK	135	0	13.21	13.24	13.21	14.7	0.0
100	PI2 BPSK	135	69	13.16	13.29	13.22	14.7	0.0
100	PI2 BPSK	135	135	13.16	13.28	13.17		
100	PI2 BPSK	270	0	13.15	13.25	13.21	14.7	0.0
100	QPSK	1	1	13.28	13.34	13.27		
100	QPSK	1	137	13.27	13.25	13.22	14.7	0.0
100	QPSK	1	271	13.20	13.26	13.22		
100	QPSK	135	0	13.20	13.29	13.21		
100	QPSK	135	69	13.23	13.30	13.24	14.7	0.0
100	QPSK	135	135	13.16	13.28	13.16		
100	QPSK	270	0	13.22	13.28	13.17	14.7	0.0
100	64QAM	1	1	13.14	13.28	13.21	14.7	0.0
100	64QAM	1	1	13.18	13.21	13.17	14.7	0.0
100	256QAM	1	1	13.21	13.22	13.22	14.7	0.0
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3743.02	3840	3934.98		
90	QPSK	1	1	13.18	13.24	13.21	14.7	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	QPSK	1	1	13.21	13.28	13.17	14.7	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	13.20	13.29	13.15	14.7	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3731.02	3840	3943.98		
60	QPSK	1	1	13.19	13.23	13.21	14.7	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3728.01	3840	3954.99		
50	QPSK	1	1	13.21	13.22	13.15	14.7	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3950		
40	QPSK	1	1	13.14	13.26	13.22	14.7	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3714.02	3840.00	3954.98		
30	QPSK	1	1	13.16	13.24	13.15	14.7	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3959.99		
20	QPSK	1	1	13.15	13.22	13.18	14.7	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Main Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633332			
Frequency (MHz)					3469.68			
100	PI2 BPSK	1	1		13.72			
100	PI2 BPSK	1	137		13.69		14.7	0.0
100	PI2 BPSK	1	271		13.67			
100	PI2 BPSK	135	0		13.73		14.7	0.0
100	PI2 BPSK	135	69		13.71		14.7	0.0
100	PI2 BPSK	135	135		13.66		14.7	0.0
100	PI2 BPSK	270	0		13.72			
100	QPSK	1	1		13.83			
100	QPSK	1	137		13.81		14.7	0.0
100	QPSK	1	271		13.78			
100	QPSK	135	0		13.75		14.7	0.0
100	QPSK	135	69		13.75			
100	QPSK	135	135		13.66			
100	QPSK	270	0		13.72		14.7	0.0
100	64QAM	1	1		13.70		14.7	0.0
100	64QAM	1	1		13.68		14.7	0.0
100	256QAM	1	1		13.66		14.7	0.0
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3469.68	3474.32		
90	QPSK	1	1	13.65	13.70	13.65	14.7	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3469.68	3470		
80	QPSK	1	1	13.67	13.70	13.63	14.7	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3469.68	3474.98		
70	QPSK	1	1	13.68	13.72	13.60	14.7	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3450	3469.68	3474.99		
60	QPSK	1	1	13.71	13.67	13.67	14.7	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3469.68	3475		
50	QPSK	1	1	13.65	13.73	13.60	14.7	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3469.68	3479.98		
40	QPSK	1	1	13.70	13.69	13.62	14.7	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3469.68	3474.99		
30	QPSK	1	1	13.64	13.68	13.67	14.7	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3469.68	3470		
20	QPSK	1	1	13.69	13.66	13.65	14.7	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Med. Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	21.10	21.17	21.10		
100	PI2 BPSK	1	137	21.11	21.12	21.10	22.2	0.0
100	PI2 BPSK	1	271	21.05	21.11	21.13		
100	PI2 BPSK	135	0	21.11	21.10	21.15	22.2	0.0
100	PI2 BPSK	135	69	21.08	21.15	21.12	22.2	0.0
100	PI2 BPSK	135	135	21.06	21.16	21.11		
100	PI2 BPSK	270	0	21.06	21.12	21.12	22.2	0.0
100	QPSK	1	1	21.20	21.25	21.23		
100	QPSK	1	137	21.12	21.21	21.19	22.2	0.0
100	QPSK	1	271	21.13	21.20	21.14		
100	QPSK	135	0	21.08	21.14	21.12		
100	QPSK	135	69	21.14	21.19	21.18	22.2	0.0
100	QPSK	135	135	21.05	21.14	21.09		
100	QPSK	270	0	21.07	21.13	21.10	22.2	0.0
100	64QAM	1	1	21.11	21.13	21.14	22.2	0.0
100	64QAM	1	1	21.06	21.12	21.10	22.2	0.0
100	256QAM	1	1	20.70	20.73	20.72	21.7	0.5
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3743.02	3840	3934.98		
90	QPSK	1	1	21.07	21.13	21.12	22.2	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	QPSK	1	1	21.06	21.18	21.11	22.2	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	21.06	21.18	21.10	22.2	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3732.02	3840	3943.98		
60	QPSK	1	1	21.10	21.11	21.12	22.2	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3729.01	3840	3954.99		
50	QPSK	1	1	21.13	21.17	21.10	22.2	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	21.06	21.12	21.12	22.2	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3717.02	3840	3964.98		
30	QPSK	1	1	21.08	21.15	21.15	22.2	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	QPSK	1	1	21.10	21.12	21.13	22.2	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Med. Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633332			
Frequency (MHz)					3469.68			
100	PI2 BPSK	1	1		21.32			
100	PI2 BPSK	1	137		21.28		22.2	0.0
100	PI2 BPSK	1	271		21.24			
100	PI2 BPSK	135	0		21.31		22.2	0.0
100	PI2 BPSK	135	69		21.30		22.2	0.0
100	PI2 BPSK	135	135		21.29		22.2	0.0
100	PI2 BPSK	270	0		21.32			
100	QPSK	1	1		21.34			
100	QPSK	1	137		21.30		22.2	0.0
100	QPSK	1	271		21.32			
100	QPSK	135	0		21.34			
100	QPSK	135	69		21.33		22.2	0.0
100	QPSK	135	135		21.27			
100	QPSK	270	0		21.30		22.2	0.0
100	64QAM	1	1		21.25		22.2	0.0
100	64QAM	1	1		21.25		22.2	0.0
100	256QAM	1	1		20.72		21.7	0.5
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3469.68	3474.99		
90	QPSK	1	1	21.19	21.28	21.21	22.2	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3469.68	3470		
80	QPSK	1	1	21.23	21.28	21.19	22.2	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3469.68	3474.99		
70	QPSK	1	1	21.20	21.25	21.16	22.2	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3450	3469.68	3474.99		
60	QPSK	1	1	21.25	21.27	21.14	22.2	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3469.68	3475		
50	QPSK	1	1	21.24	21.30	21.14	22.2	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3469.68	3470.98		
40	QPSK	1	1	21.20	21.28	21.18	22.2	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3469.68	3474.99		
30	QPSK	1	1	21.20	21.30	21.15	22.2	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3469.68	3460		
20	QPSK	1	1	21.25	21.25	21.17	22.2	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Main Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	21.10	21.17	21.10		
100	PI2 BPSK	1	137	21.11	21.12	21.10	22.2	0.0
100	PI2 BPSK	1	271	21.05	21.11	21.13		
100	PI2 BPSK	135	0	21.11	21.10	21.15	22.2	0.0
100	PI2 BPSK	135	69	21.08	21.15	21.12	22.2	0.0
100	PI2 BPSK	135	135	21.06	21.16	21.11		
100	PI2 BPSK	270	0	21.06	21.12	21.12	22.2	0.0
100	QPSK	1	1	21.20	21.25	21.23		
100	QPSK	1	137	21.12	21.21	21.19	22.2	0.0
100	QPSK	1	271	21.13	21.20	21.14		
100	QPSK	135	0	21.08	21.14	21.12		
100	QPSK	135	69	21.14	21.19	21.18	22.2	0.0
100	QPSK	135	135	21.05	21.14	21.09		
100	QPSK	270	0	21.07	21.13	21.10	22.2	0.0
100	MSAM	1	1	21.11	21.13	21.14	22.2	0.0
100	MSAM	1	1	20.56	20.62	20.60	21.7	0.5
100	256QAM	1	1	18.70	18.73	18.72	19.7	2.5
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3743.02	3840	3933.98		
90	QPSK	1	1	21.07	21.13	21.12	22.2	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	QPSK	1	1	21.06	21.16	21.11	22.2	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	21.06	21.18	21.10	22.2	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3733.02	3840	3943.98		
60	QPSK	1	1	21.10	21.11	21.12	22.2	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	QPSK	1	1	21.13	21.17	21.10	22.2	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	21.06	21.12	21.12	22.2	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3713.02	3840	3963.98		
30	QPSK	1	1	21.08	21.16	21.15	22.2	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	QPSK	1	1	21.10	21.12	21.13	22.2	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Main Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000	633332	633666		
Frequency (MHz)				3495.68				
100	PI2 BPSK	1	1	21.32				
100	PI2 BPSK	1	137	21.28			22.2	0.0
100	PI2 BPSK	1	271	21.24				
100	PI2 BPSK	135	0	21.31			22.2	0.0
100	PI2 BPSK	135	69	21.30			22.2	0.0
100	PI2 BPSK	135	135	21.29			22.2	0.0
100	PI2 BPSK	270	0	21.32				
100	QPSK	1	1	21.34				
100	QPSK	1	137	21.30			22.2	0.0
100	QPSK	1	271	21.32				
100	QPSK	135	0	21.34				
100	QPSK	135	69	21.33			22.2	0.0
100	QPSK	135	135	21.27				
100	QPSK	270	0	21.30			22.2	0.0
100	MSAM	1	1	21.26			22.2	0.0
100	MSAM	1	1	20.75			21.7	0.5
100	256QAM	1	1	18.72			19.7	2.5
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3499.98	3504.99		
90	QPSK	1	1	21.19	21.26	21.21	22.2	0.0
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3499.98	3510		
80	QPSK	1	1	21.23	21.28	21.19	22.2	0.0
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3499.98	3514.98		
70	QPSK	1	1	21.20	21.25	21.16	22.2	0.0
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3499.98	3519.99		
60	QPSK	1	1	21.25	21.27	21.14	22.2	0.0
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3499.98	3525		
50	QPSK	1	1	21.24	21.30	21.14	22.2	0.0
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3499.98	3529.98		
40	QPSK	1	1	21.20	21.28	21.18	22.2	0.0
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3499.98	3534.99		
30	QPSK	1	1	21.20	21.30	21.15	22.2	0.0
Channel				630668	633332	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3499.98	3540		
20	QPSK	1	1	21.25	21.26	21.17	22.2	0.0

Reduced Power for DS11

Par270 n77(PC2)_FCC_ANT 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Med Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	20.66	20.68	20.54			
100	PI2 BPSK	1	137	20.68	20.73	20.55	22.2	0.0	
100	PI2 BPSK	1	271	20.68	20.65	20.56			
100	PI2 BPSK	135	0	20.70	20.72	20.54	22.2	0.0	
100	PI2 BPSK	135	69	20.70	20.71	20.56	22.2	0.0	
100	PI2 BPSK	135	138	20.68	20.67	20.61			
100	PI2 BPSK	270	0	20.64	20.69	20.58	22.2	0.0	
100	QPSK	1	1	20.74	20.75	20.67			
100	QPSK	1	137	20.67	20.69	20.66	22.2	0.0	
100	QPSK	1	271	20.65	20.74	20.64			
100	QPSK	135	0	20.67	20.68	20.61			
100	QPSK	135	69	20.72	20.74	20.62	22.2	0.0	
100	QPSK	135	138	20.71	20.70	20.55			
100	QPSK	270	0	20.69	20.70	20.60	22.2	0.0	
100	16QAM	1	1	20.70	20.68	20.60	22.2	0.0	
100	64QAM	1	1	20.64	20.72	20.55	22.2	0.0	
100	256QAM	1	1	18.60	18.54	18.47	20.2	2.0	
Channel				648968	650000	662332	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3743.02	3840	3943.98			
80	QPSK	1	1	20.66	20.68	20.60	22.2	0.0	
Channel				649334	650000	662666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3949.99			
80	QPSK	1	1	20.69	20.72	20.56	22.2	0.0	
Channel				649700	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	20.65	20.68	20.59	22.2	0.0	
Channel				648968	650000	663332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3743.02	3840	3943.98			
60	QPSK	1	1	20.66	20.71	20.60	22.2	0.0	
Channel				648334	650000	663666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3954.99			
50	QPSK	1	1	20.67	20.72	20.60	22.2	0.0	
Channel				649000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	20.68	20.68	20.54	22.2	0.0	
Channel				647968	650000	664332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3713.02	3840	3972.98			
30	QPSK	1	1	20.63	20.64	20.63	22.2	0.0	
Channel				647334	650000	664666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3969.99			
20	QPSK	1	1	20.63	20.69	20.63	22.2	0.0	

Par27Q n77(PC2)_FCC_ANT 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Med Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633332				
Frequency (MHz)					3469.98				
100	PI2 BPSK	1	1		21.28				
100	PI2 BPSK	1	137		21.29		22.2	0.0	
100	PI2 BPSK	1	271		21.28				
100	PI2 BPSK	135	0		21.26		22.2	0.0	
100	PI2 BPSK	135	69		21.27		22.2	0.0	
100	PI2 BPSK	135	138		21.26		22.2	0.0	
100	PI2 BPSK	270	0		21.52				
100	QPSK	1	1		21.31				
100	QPSK	1	137		21.26		22.2	0.0	
100	QPSK	1	271		21.28				
100	QPSK	135	0		21.25		22.2	0.0	
100	QPSK	135	69		21.30				
100	QPSK	135	138		21.27				
100	QPSK	270	0		21.27		22.2	0.0	
100	16QAM	1	1		21.27		22.2	0.0	
100	64QAM	1	1		21.27		22.2	0.0	
100	256QAM	1	1		18.63		20.2	2.0	
Channel				633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3469.98	3474.98			
80	QPSK	1	1	21.19	21.23	21.23	22.2	0.0	
Channel				630968	633332	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465.02	3469.98	3510			
80	QPSK	1	1	21.22	21.25	21.21	22.2	0.0	
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3469.98	3514.98			
70	QPSK	1	1	21.15	21.26	21.26	22.2	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3469.98	3518.98			
60	QPSK	1	1	21.18	21.25	21.25	22.2	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3476.02	3469.98	3525			
50	QPSK	1	1	21.17	21.25	21.22	22.2	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3469.98	3529.98			
40	QPSK	1	1	21.17	21.25	21.21	22.2	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3469.98	3534.98			
30	QPSK	1	1	18.73	18.74	18.65	22.2	0.0	
Channel				630968	633332	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465.02	3469.98	3540			
20	QPSK	1	1	21.20	21.25	21.21	22.2	0.0	