

4. AD-Converter Values with inputs shorted

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

	High Range (LSB)	Low Range (LSB)
Channel X	16018	15267
Channel Y	16080	17949
Channel Z	16076	14569

5. Input Offset Measurement

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

Input 10M Ω

	Average (μ V)	min. Offset (μ V)	max. Offset (μ V)	Std. Deviation (μ V)
Channel X	-1.70	-2.41	-0.69	0.30
Channel Y	-1.27	-2.05	-0.34	0.35
Channel Z	-0.62	-1.45	0.08	0.30

6. Input Offset Current

Nominal Input circuitry offset current on all channels: <25fA

7. Input Resistance (Typical values for information)

	Zeroing (kOhm)	Measuring (MOhm)
Channel X	200	200
Channel Y	200	200
Channel Z	200	200

8. Low Battery Alarm Voltage (Typical values for information)

Typical values	Alarm Level (VDC)
Supply (+ Vcc)	+7.9
Supply (- Vcc)	-7.6

9. Power Consumption (Typical values for information)

Typical values	Switched off (mA)	Stand by (mA)	Transmitting (mA)
Supply (+ Vcc)	+0.01	+6	+14
Supply (- Vcc)	-0.01	-8	-9



In Collaboration with
s p e a g
CALIBRATION LABORATORY



中国认可
国际互认
校准
CALIBRATION
CNAS L0570

Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China
Tel: +86-10-62304633-2512 Fax: +86-10-62304633-2504
E-mail: cttl@chinattl.com [Http://www.chinattl.cn](http://www.chinattl.cn)

Client **Auden**

Certificate No: **Z21-60210**

CALIBRATION CERTIFICATE

Object **EX3DV4 - SN : 3975**

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

Calibration date: **June 07, 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	16-Jun-20(CTTL, No.J20X04344)	Jun-21
Power sensor NRP-Z91	101547	16-Jun-20(CTTL, No.J20X04344)	Jun-21
Power sensor NRP-Z91	101548	16-Jun-20(CTTL, No.J20X04344)	Jun-21
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 1556	15-Jan-21(SPEAG, No.DAE4-1556_Jan21)	Jan-22

Secondary Standards	ID #	Cal Date(Calibrated by, Certificate No.)	Scheduled Calibration
SignalGenerator MG3700A	6201052605	23-Jun-20(CTTL, No.J20X04343)	Jun-21
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: June 09, 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), $\theta=0$ 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:

- a) 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
- b) 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
- c) 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
- d) 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:3975

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm($\mu\text{V}/(\text{V}/\text{m})^2$) ^A	0.41	0.45	0.51	$\pm 10.0\%$
DCP(mV) ^B	105.1	102.2	102.1	

Modulation Calibration Parameters

UID	Communication System Name		A dB	B dB $\sqrt{\mu\text{V}}$	C	D dB	VR mV	Unc ^E (k=2)
0	CW	X	0.0	0.0	1.0	0.00	163.0	$\pm 2.6\%$
		Y	0.0	0.0	1.0		171.0	
		Z	0.0	0.0	1.0		183.8	

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

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

^B Numerical linearization parameter: uncertainty not required.

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



Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China
 Tel: +86-10-62304633-2512 Fax: +86-10-62304633-2504
 E-mail: cttl@chinattl.com [Http://www.chinattl.cn](http://www.chinattl.cn)

DASY/EASY – Parameters of Probe: EX3DV4 – SN:3975

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	10.04	10.04	10.04	0.40	0.75	±12.1%
835	41.5	0.90	9.54	9.54	9.54	0.17	1.18	±12.1%
900	41.5	0.97	9.52	9.52	9.52	0.17	1.14	±12.1%
1450	40.5	1.20	8.59	8.59	8.59	0.12	1.28	±12.1%
1750	40.1	1.37	8.38	8.38	8.38	0.28	0.92	±12.1%
1900	40.0	1.40	7.92	7.92	7.92	0.21	1.15	±12.1%
2000	40.0	1.40	7.97	7.97	7.97	0.19	1.21	±12.1%
2300	39.5	1.67	7.84	7.84	7.84	0.65	0.67	±12.1%
2450	39.2	1.80	7.60	7.60	7.60	0.67	0.67	±12.1%
2600	39.0	1.96	7.35	7.35	7.35	0.65	0.67	±12.1%
3300	38.2	2.71	6.88	6.88	6.88	0.44	0.96	±13.3%
3500	37.9	2.91	6.82	6.82	6.82	0.42	0.95	±13.3%
3700	37.7	3.12	6.52	6.52	6.52	0.44	1.03	±13.3%
3900	37.5	3.32	6.40	6.40	6.40	0.40	1.25	±13.3%
4100	37.2	3.53	6.50	6.50	6.50	0.40	1.15	±13.3%
4200	37.1	3.63	6.32	6.32	6.32	0.40	1.25	±13.3%
4400	36.9	3.84	6.19	6.19	6.19	0.35	1.35	±13.3%
4600	36.7	4.04	6.10	6.10	6.10	0.45	1.20	±13.3%
4800	36.4	4.25	6.05	6.05	6.05	0.45	1.20	±13.3%
4950	36.3	4.40	5.86	5.86	5.86	0.45	1.26	±13.3%
5250	35.9	4.71	5.31	5.31	5.31	0.40	1.55	±13.3%
5600	35.5	5.07	4.82	4.82	4.82	0.50	1.30	±13.3%
5750	35.4	5.22	4.90	4.90	4.90	0.50	1.30	±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.

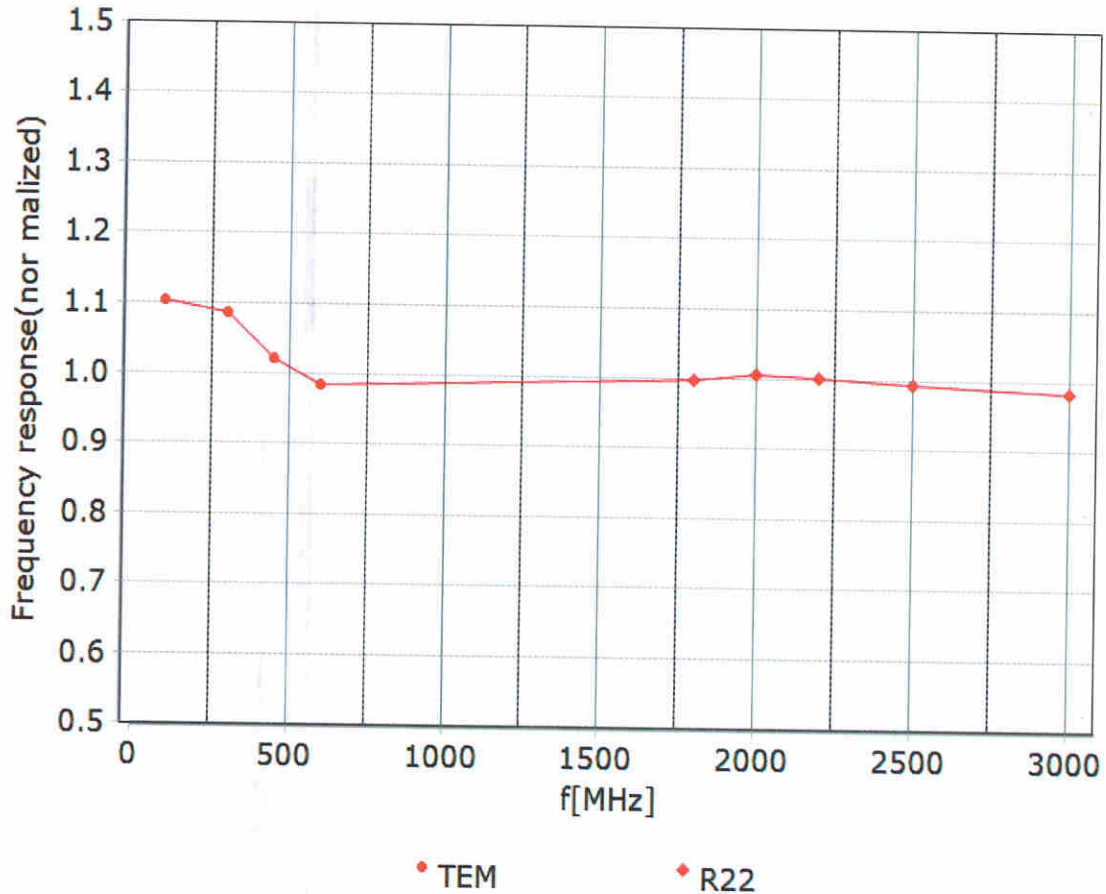
^F At frequency below 3 GHz, the validity of tissue parameters (ϵ and σ) can be relaxed to ±10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters (ϵ and σ) is restricted to ±5%. The uncertainty is the RSS of the ConvF uncertainty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



Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China
Tel: +86-10-62304633-2512 Fax: +86-10-62304633-2504
E-mail: cttl@chinattl.com [Http://www.chinattl.cn](http://www.chinattl.cn)

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



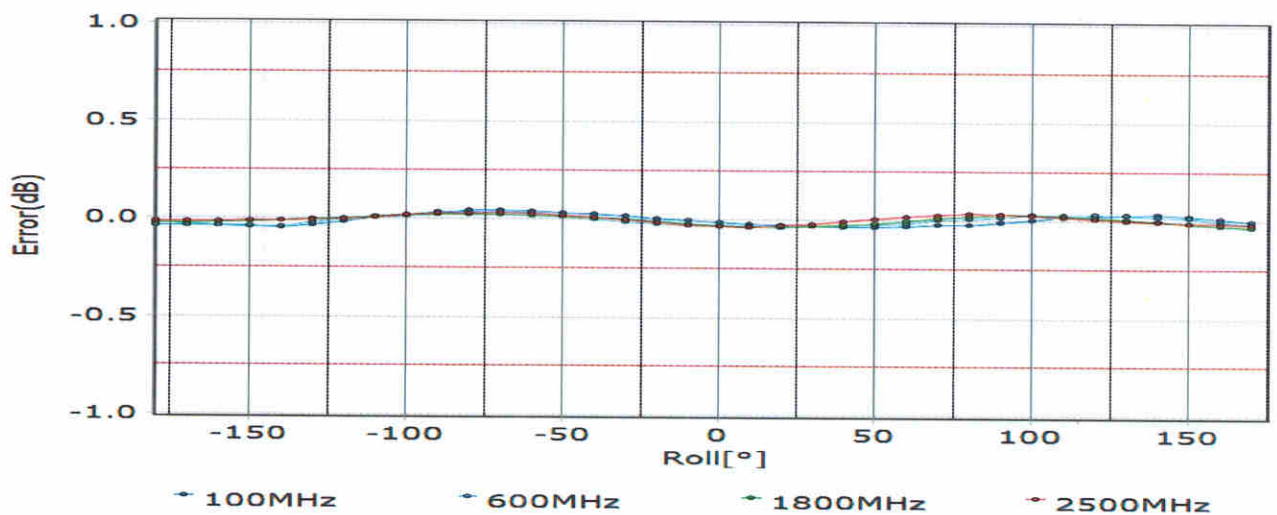
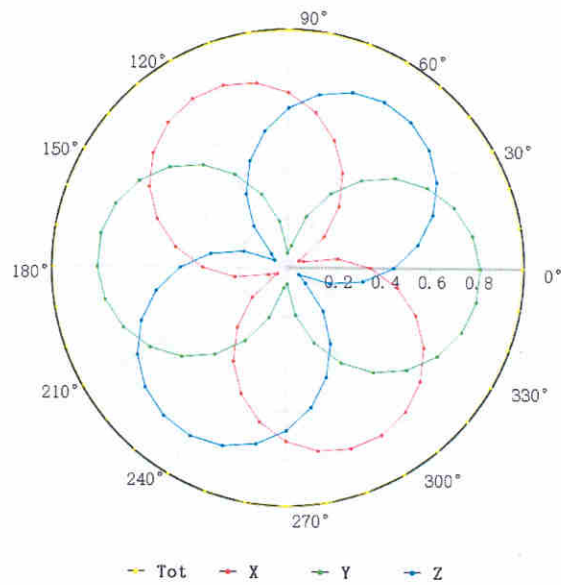
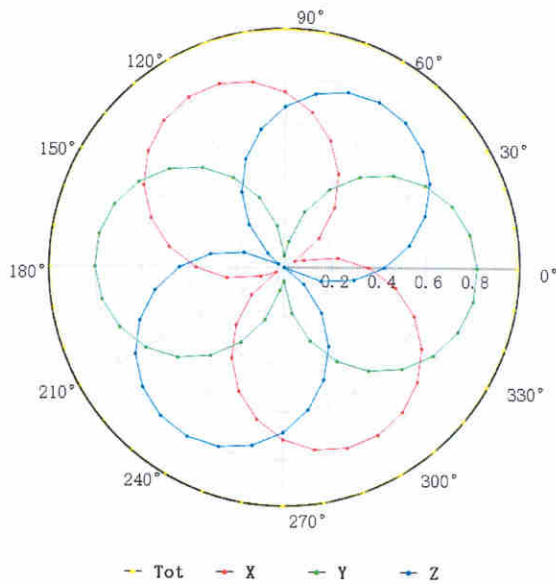
Uncertainty of Frequency Response of E-field: $\pm 7.4\%$ ($k=2$)



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

f=600 MHz, TEM

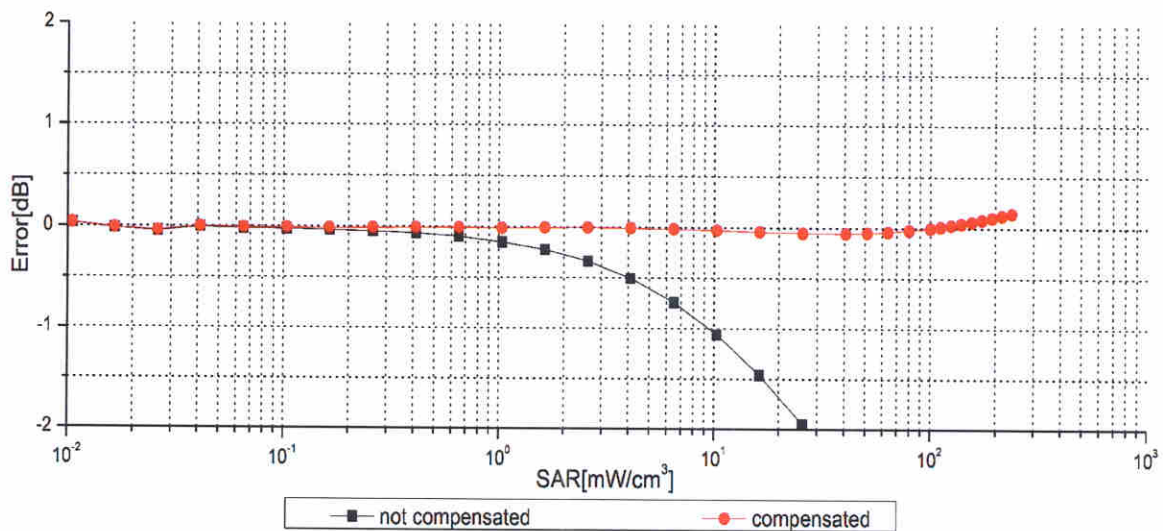
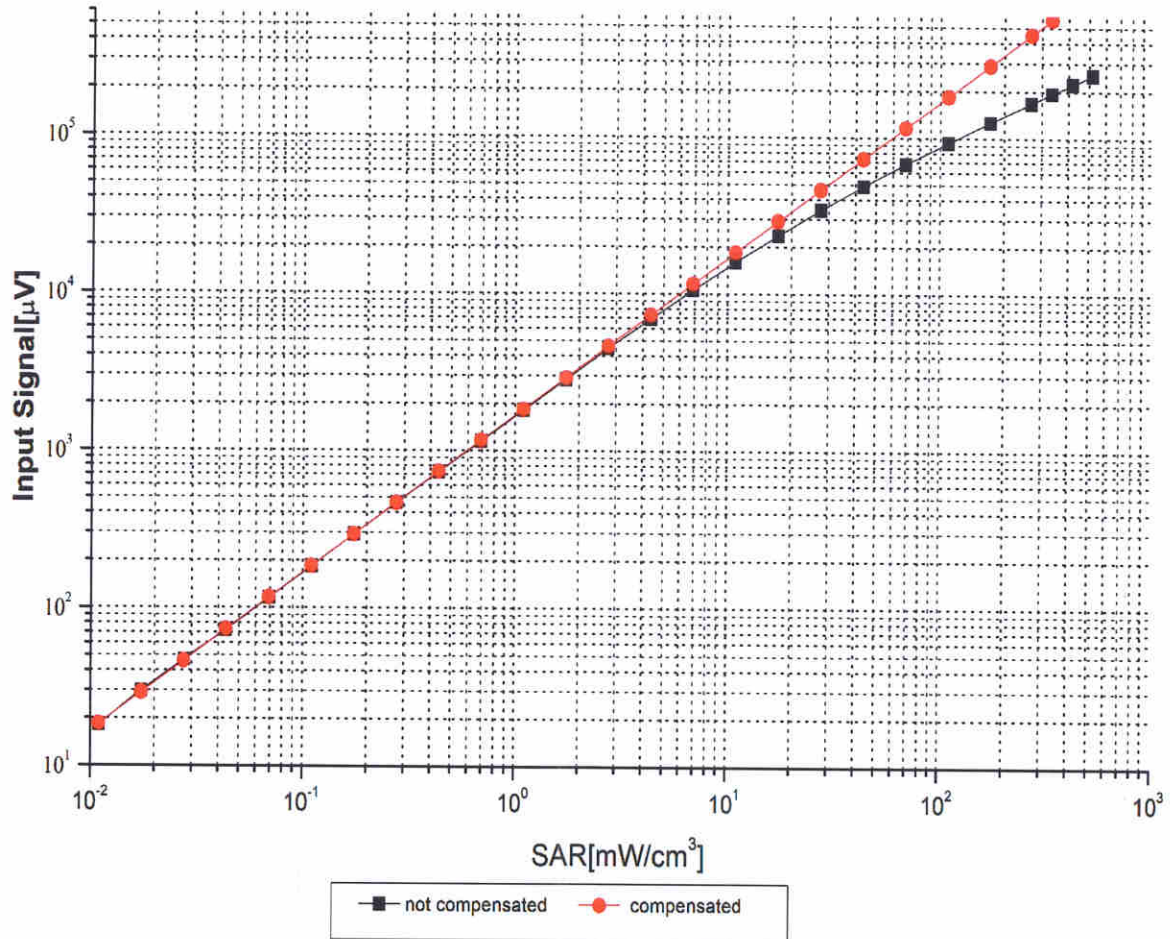
f=1800 MHz, R22



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



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



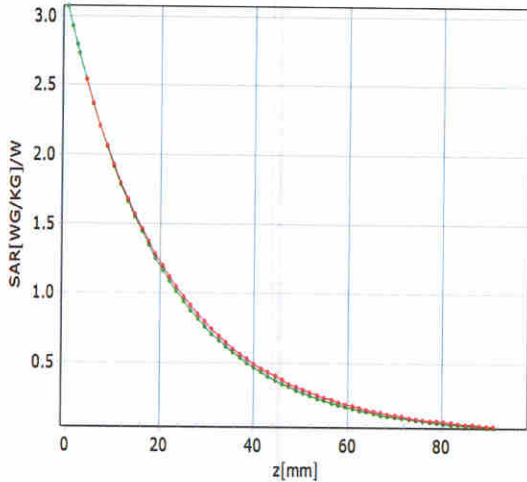
Uncertainty of Linearity Assessment: $\pm 0.9\%$ ($k=2$)



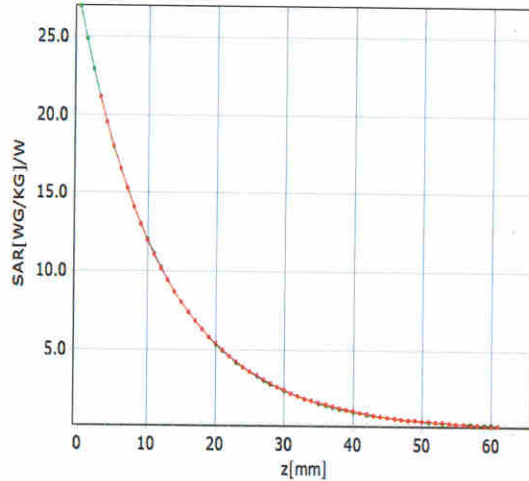
Conversion Factor Assessment

f=750 MHz,WGLS R9(H_convF)

f=1750 MHz,WGLS R22(H_convF)

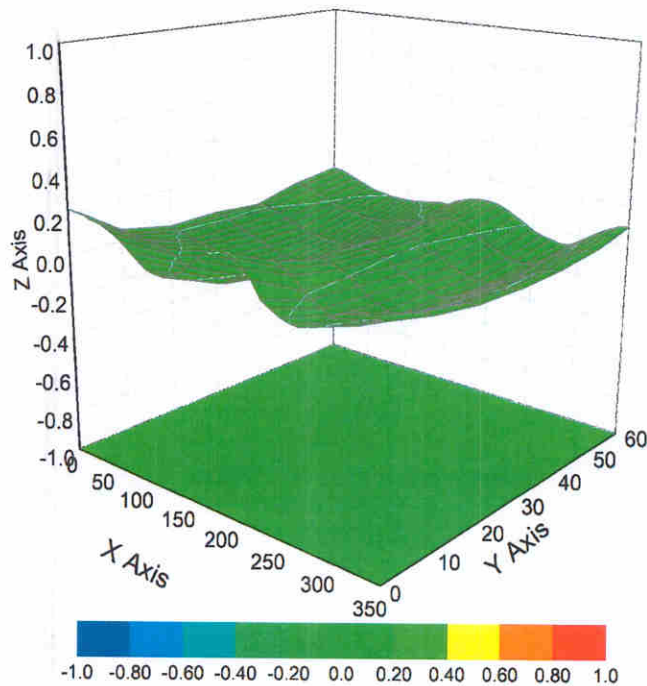


* analytical * measured



* analytical * measured

Deviation from Isotropy in Liquid



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



Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China
Tel: +86-10-62304633-2512 Fax: +86-10-62304633-2504
E-mail: cttl@chinattl.com [Http://www.chinattl.cn](http://www.chinattl.cn)

DASY/EASY – Parameters of Probe: EX3DV4 – SN:3975

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	86.5
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.



GSM850_Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	125	180	251		125	180	251	
TX Channel	824.2	836.4	848.8	824.2	836.4	848.8		
Frequency (MHz)								
GSM 1 Tx slot	32.39	32.28	32.13	33.50	23.39	23.28	23.13	24.50
GPRS 1 Tx slots	32.50	32.25	32.15	33.50	23.50	23.25	23.15	24.50
GPRS 2 Tx slots	30.18	29.92	30.58	31.50	24.18	23.92	24.58	25.50
GPRS 3 Tx slots	28.76	29.34	29.18	30.50	24.50	25.08	24.92	26.24
GPRS 4 Tx slots	27.18	27.67	27.49	29.00	24.18	24.67	24.49	26.00
EDGE (GMSK 1 Tx slots)	32.45	32.22	32.11	33.50	23.45	23.22	23.11	24.50
EDGE (GMSK 2 Tx slots)	30.20	29.93	30.55	31.50	24.20	23.93	24.55	25.50
EDGE (GMSK 3 Tx slots)	28.75	29.27	29.15	30.50	24.49	25.01	24.89	26.24
EDGE (GMSK 4 Tx slots)	27.26	27.66	27.47	29.00	24.26	24.66	24.47	26.00
EDGE 1 Tx slots	26.87	26.83	26.76	28.00	17.87	17.83	17.76	19.00
EDGE 2 Tx slots	24.24	24.12	24.19	25.50	18.24	18.12	18.19	19.50
EDGE 3 Tx slots	23.03	23.05	22.91	24.50	18.77	18.79	18.65	20.24
EDGE 4 Tx slots	22.24	22.27	22.17	24.00	19.24	19.27	19.17	21.00
DTM Multi-slot class 5	GSM 1 Tx slot 30.16	29.90	30.43	31.50	24.15	23.81	24.42	25.48
DTM Multi-slot class 9	GSM 1 Tx slot 30.08	29.85	30.46	31.50	24.10	23.84	24.49	25.48
DTM Multi-slot class 11	GSM 1 Tx slot 30.17	29.88	30.57	31.50				
DTM Multi-slot class 5	GSM 2 Tx slots 28.74	29.39	29.22	30.50	24.55	25.12	24.90	26.24
DTM Multi-slot class 9	GPRS 2 Tx slots 28.84	29.37	29.13	30.50				
DTM Multi-slot class 5	GSM 1 Tx slot 22.24	22.27	22.17	24.00	22.14	21.89	22.31	23.44
DTM Multi-slot class 9	GSM 1 Tx slot 30.16	30.00	30.64	31.50	22.07	21.92	22.45	23.44
DTM Multi-slot class 11	EDGE 1 Tx slot 26.81	26.82	26.76	28.00	21.54	21.78	21.70	23.24
DTM Multi-slot class 5	EDGE 2 Tx slots 22.78	22.68	22.69	24.50				

GSM1900_Ant 3	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	561	610		512	561	610	
TX Channel	1850.2	1880	1909.8	1850.2	1880	1909.8		
Frequency (MHz)								
GSM 1 Tx slot	28.63	28.62	28.22	29.50	19.63	19.62	19.22	20.50
GPRS 1 Tx slot	28.66	28.58	28.28	29.50	19.66	19.58	19.28	20.50
GPRS 2 Tx slots	26.92	26.39	26.21	27.00	20.92	20.39	20.21	21.00
GPRS 3 Tx slots	25.78	25.28	25.14	26.00	21.52	21.02	20.88	21.74
GPRS 4 Tx slots	24.56	24.39	23.99	25.00	21.56	21.39	20.99	22.00
EDGE (GMSK 1 Tx slot)	28.67	28.61	28.31	29.50	19.67	19.61	19.31	20.50
EDGE (GMSK 2 Tx slots)	26.92	26.43	26.25	27.00	20.92	20.43	20.25	21.00
EDGE (GMSK 3 Tx slots)	25.85	25.33	25.10	26.00	21.59	21.07	20.84	21.74
EDGE (GMSK 4 Tx slots)	24.49	24.32	23.94	25.00	21.49	21.32	20.94	22.00
EDGE 1 Tx slot	25.05	24.96	24.95	26.00	16.05	15.96	15.95	17.00
EDGE 2 Tx slots	23.55	23.44	23.07	24.50	17.55	17.44	17.07	18.50
EDGE 3 Tx slots	22.61	22.60	22.44	24.00	16.54	16.51	16.35	17.74
EDGE 4 Tx slots	20.02	20.06	19.99	21.00	17.02	17.06	16.99	18.00
DTM Multi-slot class 5	GSM 1 Tx slot 26.76	26.25	26.05	27.00	20.78	20.26	20.03	20.98
DTM Multi-slot class 9	GSM 1 Tx slot 26.82	26.23	26.14	27.00	20.84	20.22	20.16	20.98
DTM Multi-slot class 11	GSM 1 Tx slot 26.71	26.29	26.20	26.00	21.51	21.08	20.89	21.74
DTM Multi-slot class 5	GSM 2 Tx slots 25.80	25.36	25.12	27.00				
DTM Multi-slot class 9	GSM 1 Tx slot 23.20	23.16	22.76	24.50	19.43	19.14	18.87	19.91
DTM Multi-slot class 11	GSM 1 Tx slot 26.86	26.39	26.25	27.00	19.42	19.03	18.85	19.91
DTM Multi-slot class 5	EDGE 1 Tx slot 23.31	23.11	22.83	24.50				
DTM Multi-slot class 9	GSM 1 Tx slot 25.94	25.35	25.14	26.00	18.89	18.49	18.32	19.51
DTM Multi-slot class 11	EDGE 2 Tx slots 20.54	20.45	20.34	22.00				

Band	WCDMA II_Ant 3	Tx Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Rx Channel	WCDMA II_Ant 4			Tune-up Limit (dBm)
			9662	9400	9638			9662	9800	9938	
3GPP Rel 99	AMR 12.2Kbps	23.32	23.32	23.28	24.00	24.31	24.42	24.40	25.00		
3GPP Rel 99	RMC 12.2Kbps	23.35	23.36	23.30	24.00	24.38	24.46	24.41	25.00		
3GPP Rel 6	HSDPA Subtest-1	22.36	22.38	22.32	23.00	22.27	22.29	22.19	24.00		
3GPP Rel 6	HSDPA Subtest-2	22.37	22.36	22.37	23.00	22.23	22.25	22.18	24.00		
3GPP Rel 6	HSDPA Subtest-3	21.88	21.87	21.87	22.50	22.78	22.78	22.68	23.50		
3GPP Rel 6	HSDPA Subtest-4	21.84	21.80	21.78	22.50	22.78	22.78	22.62	23.50		
3GPP Rel 8	DC-HSDPA Subtest-1	22.38	22.35	22.33	23.00	23.42	23.57	23.41	24.00		
3GPP Rel 8	DC-HSDPA Subtest-2	22.37	22.32	22.35	23.00	23.38	23.58	23.44	24.00		
3GPP Rel 8	DC-HSDPA Subtest-3	21.91	21.90	21.83	22.50	22.88	23.07	22.82	23.50		
3GPP Rel 8	DC-HSDPA Subtest-4	21.86	21.82	21.80	22.50	22.92	23.08	22.95	23.50		
3GPP Rel 6	HSUPA Subtest-1	22.27	22.34	22.34	23.00	22.01	22.06	22.03	24.00		
3GPP Rel 6	HSUPA Subtest-2	20.31	20.36	20.35	21.00	20.07	20.03	20.05	22.00		
3GPP Rel 6	HSUPA Subtest-3	21.31	21.34	21.35	22.00	21.05	21.01	21.03	23.00		
3GPP Rel 6	HSUPA Subtest-4	20.33	20.36	20.35	21.00	20.06	20.12	20.01	22.00		
3GPP Rel 6	HSUPA Subtest-5	22.30	22.40	22.30	23.00	22.11	22.20	22.03	24.00		

Band	WCDMA V_Ant 0	Tx Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Rx Channel	WCDMA V_Ant 1			Tune-up Limit (dBm)
			4132	4182	4233			4132	4182	4233	
3GPP Rel 99	AMR 12.2Kbps	24.26	24.25	24.23	25.00	24.34	24.30	24.35	25.00		
3GPP Rel 99	RMC 12.2Kbps	24.24	24.27	24.21	25.00	24.31	24.36	24.32	25.00		
3GPP Rel 6	HSDPA Subtest-1	22.21	22.23	22.15	23.00	22.11	22.28	22.15	24.00		
3GPP Rel 6	HSDPA Subtest-2	22.26	22.20	22.11	23.00	22.15	22.27	22.22	24.00		
3GPP Rel 6	HSDPA Subtest-3	22.75	22.76	22.78	23.50	22.72	22.76	22.81	23.50		
3GPP Rel 6	HSDPA Subtest-4	22.71	22.70	22.71	23.50	22.74	22.78	22.70	23.50		
3GPP Rel 8	DC-HSDPA Subtest-1	23.41	23.45	23.39	24.00	23.15	23.39	23.18	24.00		
3GPP Rel 8	DC-HSDPA Subtest-2	23.48	23.43	23.45	24.00	23.12	23.34	23.29	24.00		
3GPP Rel 8	DC-HSDPA Subtest-3	23.05	23.03	22.85	23.50	22.71	22.95	22.74	23.50		
3GPP Rel 8	DC-HSDPA Subtest-4	22.96	22.91	22.91	23.50	22.83	22.97	22.81	23.50		
3GPP Rel 6	HSUPA Subtest-1	22.60	22.41	22.47	23.00	22.15	22.19	22.05	24.00		
3GPP Rel 6	HSUPA Subtest-2	20.43	20.37	20.55	22.00	21.05	21.14	21.00	23.00		
3GPP Rel 6	HSUPA Subtest-3	21.57	21.39	21.48	22.00	22.11	22.22	22.14	22.00		
3GPP Rel 6	HSUPA Subtest-4	20.57	20.41	20.47	22.00	21.06	21.19	21.04	22.00		
3GPP Rel 6	HSUPA Subtest-5	22.56	22.40	22.49	24.00	23.05	23.20	23.05	24.00		

Conducted Full Power

GSM850_Ant 1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	125	180	251		125	180	251	
TX Channel	824.2	836.4	848.8	824.2	836.4	848.8		
Frequency (MHz)								
GSM 1 Tx slot	32.62	32.29	32.21	33.50	23.62	23.29	23.21	24.50
GPRS 1 Tx slots	32.67	32.33	32.27	33.50	23.67	23.33	23.27	24.50
GPRS 2 Tx slots	30.36	29.99	30.74	31.50	24.36	23.99	24.74	25.50
GPRS 3 Tx slots	28.83	29.41	29.30	30.50	24.57	25.15	25.04	26.24
GPRS 4 Tx slots	27.27	27.77	27.67	29.00	24.27	24.77	24.67	26.00
EDGE (GMSK 1 Tx slot)	32.61	32.31	32.27	33.50	23.61	23.31	23.27	24.50
EDGE (GMSK 2 Tx slots)	30.26	29.93	30.77	31.50	24.26	24.03	24.77	25.50
EDGE (GMSK 3 Tx slots)	28.83	29.40	29.30	30.50	24.57	25.14	25.04	26.24
EDGE (GMSK 4 Tx slots)	27.30	27.79	27.67	29.00	24.30	24.79	24.67	26.00
EDGE 1 Tx slot	27.16	26.99	27.00	28.00	18.16	17.99	18.00	19.00
EDGE 2 Tx slots	24.33	24.25	24.37	25.50	18.33	18.25	18.37	19.50
EDGE 3 Tx slots	23.12	22.95	23.11	24.50	18.86	18.69	18.85	20.24
EDGE 4 Tx slots	22.38	22.32	22.29	24.00	19.39	19.32	19.29	21.00
DTM Multi-slot class 5	GSM 1 Tx slot 30.25	29.82	30.61	31.50	24.28	23.90	24.59	



Table with columns: Band 2_Ant 3 (Default), BW MHz, Modulation, RB Size, RB Offset, Power, Turn-up Time, MPR. Includes sub-headers for Channel, Frequency (MHz), and Channel for multiple rows.

Table with columns: Band 2_Ant 4 (Default), BW MHz, Modulation, RB Size, RB Offset, Power, Turn-up Time, MPR. Includes sub-headers for Channel, Frequency (MHz), and Channel for multiple rows.

Table with columns: Band 4_Ant 3 (Default), BW MHz, Modulation, RB Size, RB Offset, Power, Turn-up Time, MPR. Includes sub-headers for Channel, Frequency (MHz), and Channel for multiple rows.

Table with columns: Band 4_Ant 4 (Default), BW MHz, Modulation, RB Size, RB Offset, Power, Turn-up Time, MPR. Includes sub-headers for Channel, Frequency (MHz), and Channel for multiple rows.



Band 5_Ant 0 (Default)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Hgt. Ch. / Freq.	Power Msk. Ch. / Freq.	Turn-up time (min)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.81	23.82	23.79			
10	QPSK	1	25	23.74	23.85	23.77	25	0	
10	QPSK	1	49	23.73	23.85	23.88			
10	QPSK	25	0	22.92	22.93	22.88			
10	QPSK	25	12	22.82	22.74	22.83			
10	QPSK	25	25	22.92	22.74	22.74	24	1	
10	QPSK	50	0	22.81	22.82	22.82			
10	QPSK	50	0	22.82	22.74	22.83			
10	HQAM	1	25	23.84	23.18	23.08	24	1	
10	HQAM	1	49	23.28	22.92	23.32			
10	HQAM	25	0	21.84	21.83	21.78			
10	HQAM	25	12	21.83	21.84	21.90	23	2	
10	HQAM	25	25	21.81	21.86	21.81			
10	HQAM	50	0	21.90	21.79	21.81			
10	HQAM	1	0	21.70	22.17	21.83			
10	HQAM	1	25	22.16	21.84	22.07	23	2	
10	HQAM	1	49	22.15	21.83	21.88			
10	HQAM	25	0	20.88	20.88	20.75			
10	HQAM	25	12	20.95	20.80	20.79	22	3	
10	HQAM	25	25	20.72	20.90	20.82			
10	HQAM	50	0	20.80	20.79	20.84			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.87	23.75	23.87			
5	QPSK	1	12	23.83	23.70	23.65	25	0	
5	QPSK	1	24	23.68	23.60	23.65			
5	QPSK	12	0	22.79	22.88	22.81			
5	QPSK	12	7	22.76	22.89	22.79	24	1	
5	QPSK	12	14	22.80	22.74	22.69			
5	QPSK	25	0	22.70	22.72	22.73			
5	HQAM	1	0	23.16	23.17	23.22			
5	HQAM	1	24	22.99	22.63	22.98	24	1	
5	HQAM	12	0	21.80	21.70	21.84			
5	HQAM	12	7	21.71	21.73	21.78	23	2	
5	HQAM	12	14	21.76	21.73	21.77			
5	HQAM	25	0	21.81	21.79	21.88			
5	HQAM	25	7	21.77	21.79	21.85	23	2	
5	HQAM	25	14	21.68	21.82	21.77			
5	HQAM	12	0	20.83	20.85	20.72			
5	HQAM	12	7	20.84	20.72	20.69	22	3	
5	HQAM	12	14	20.72	20.79	20.73			
5	HQAM	25	0	20.72	20.70	20.74			
Channel									
Frequency (MHz)									
3	QPSK	1	0	23.72	23.81	23.65			
3	QPSK	1	8	23.62	23.78	23.70	25	0	
3	QPSK	1	14	23.69	23.59	23.60			
3	QPSK	8	0	22.77	22.81	22.86			
3	QPSK	8	4	22.74	22.67	22.75	24	1	
3	QPSK	8	7	22.83	22.68	22.68			
3	QPSK	15	0	22.13	22.84	22.67			
3	HQAM	1	0	23.10	23.03	23.24	24	1	
3	HQAM	1	8	22.93	22.14	22.80	24	1	
3	HQAM	1	14	23.18	22.88	23.24			
3	HQAM	8	0	21.74	21.80	21.71			
3	HQAM	8	4	21.78	21.77	21.75	23	2	
3	HQAM	8	7	21.71	21.73	21.78			
3	HQAM	15	0	21.95	21.84	21.72			
3	HQAM	1	0	21.67	22.09	21.70			
3	HQAM	1	8	22.03	21.77	21.84	23	2	
3	HQAM	1	14	22.04	21.79	21.78			
3	HQAM	8	0	20.84	20.80	20.74			
3	HQAM	8	4	20.81	20.77	20.77	22	3	
3	HQAM	8	7	20.74	20.81	20.80			
3	HQAM	15	0	20.78	20.72	20.70			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	23.71	23.80	23.70			
1.4	QPSK	1	3	23.60	23.66	23.64	25	0	
1.4	QPSK	1	5	23.71	23.63	23.63			
1.4	QPSK	3	0	22.87	22.79	22.75			
1.4	QPSK	3	1	23.68	23.64	23.73			
1.4	QPSK	3	3	23.66	23.81	23.65	24	1	
1.4	QPSK	6	0	22.79	22.89	22.68			
1.4	QPSK	6	0	23.18	23.10	23.32			
1.4	HQAM	1	3	22.91	23.35	22.98	24	1	
1.4	HQAM	1	5	23.18	22.97	22.90			
1.4	HQAM	3	0	22.81	22.76	22.75	24	1	
1.4	HQAM	3	1	22.76	22.79	22.81			
1.4	HQAM	3	3	22.82	22.82	22.88			
1.4	HQAM	6	0	21.82	21.64	21.74	23	2	
1.4	HQAM	1	0	21.87	22.23	21.94			
1.4	HQAM	1	3	22.34	21.94	22.15			
1.4	HQAM	1	5	22.21	21.89	21.68	23	2	
1.4	HQAM	3	0	22.03	21.99	21.86			
1.4	HQAM	3	1	22.06	21.96	21.68			
1.4	HQAM	3	3	21.88	22.01	21.92			
1.4	HQAM	6	0	20.98	20.89	21.02	22	3	

Band 5_Ant 1 (Default)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Hgt. Ch. / Freq.	Power Msk. Ch. / Freq.	Turn-up time (min)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.11	24.18	24.08			
10	QPSK	1	25	24.02	24.17	24.08	25	0	
10	QPSK	1	49	24.09	23.98	24.04			
10	QPSK	25	0	23.23	23.26	23.24			
10	QPSK	25	12	23.21	23.18	23.21	24	1	
10	QPSK	25	25	23.14	23.17	23.11			
10	QPSK	50	0	23.20	23.25	23.15			
10	QPSK	50	0	23.23	23.09	23.19			
10	HQAM	1	25	23.58	23.43	23.25	24	1	
10	HQAM	1	49	23.60	23.29	23.46			
10	HQAM	25	0	22.29	22.24	22.20			
10	HQAM	25	12	22.23	22.27	22.20	23	2	
10	HQAM	25	25	22.22	22.23	22.16			
10	HQAM	50	0	22.23	22.09	22.19	22	3	
10	HQAM	1	0	22.12	22.51	22.49			
10	HQAM	1	25	22.40	22.33	22.35	23	2	
10	HQAM	1	49	22.38	22.47	22.49			
10	HQAM	25	0	21.03	21.17	21.21			
10	HQAM	25	12	21.06	21.11	21.20	22	3	
10	HQAM	25	25	21.17	21.18	21.25			
10	HQAM	50	0	21.17	21.23	21.24			
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.04	24.06	24.06			
5	QPSK	1	12	23.99	24.12	23.93	25	0	
5	QPSK	1	24	24.01	23.85	24.03			
5	QPSK	12	0	23.11	23.12	23.23			
5	QPSK	12	7	23.14	23.05	23.17	24	1	
5	QPSK	12	14	23.08	23.00	23.07			
5	QPSK	25	0	23.09	23.22	23.03			
5	HQAM	1	0	23.83	23.48	23.45			
5	HQAM	1	12	23.81	23.92	23.93	24	1	
5	HQAM	1	24	23.87	23.17	23.30			
5	HQAM	12	0	22.11	22.22	21.98			
5	HQAM	12	7	22.16	22.16	22.16	23	2	
5	HQAM	12	14	22.12	22.12	22.01			
5	HQAM	25	0	22.28	22.02	22.14			
5	HQAM	25	7	22.25	22.38	22.30	23	2	
5	HQAM	1	12	22.31	22.31	22.34			
5	HQAM	1	24	22.27	22.42	22.39			
5	HQAM	12	0	20.89	21.13	21.13			
5	HQAM	12	7	21.19	21.10	21.17	22	3	
5	HQAM	12	14	21.03	21.09	21.03			
5	HQAM	25	0	21.13	21.14	21.18			
Channel									
Frequency (MHz)									
3	QPSK	1	0	24.01	24.03	23.97			
3	QPSK	1	8	24.01	24.10	23.97	25	0	
3	QPSK	1	14	24.02	23.98	23.96			
3	QPSK	8	0	23.11	23.01	23.17			
3	QPSK	8	4	23.10	23.09	23.11	24	1	
3	QPSK	8	7	23.13	23.07	23.10			
3	QPSK	15	0	23.12	23.13	23.05			
3	HQAM	1	0	23.81	23.51	23.49			
3	HQAM	1	8	23.46	23.38	23.23	24	1	
3	HQAM	1	14	23.88	23.81	23.83			
3	HQAM	8	0	22.16	22.19	22.20			
3	HQAM	8	4	22.41	22.16	22.16	23	2	
3	HQAM	8	7	22.31	22.31	21.90			
3	HQAM	15	0	22.13	22.06	22.15			
3	HQAM	1	0	22.03	22.47	22.47			
3	HQAM	1	8	22.35	22.24	22.22	23	2	
3	HQAM	1	14	22.14	22.34	22.48			
3	HQAM	8	0	21.00	21.16	21.19			
3	HQAM	8	4	21.24	21.09	21.19	22	3	
3	HQAM	8	7	21.11	21.15	21.22			
3	HQAM	15	0	21.13	21.19	21.23			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	24.05	24.05	23.93			
1.4	QPSK	1	3	23.98	24.03	24.02	25	0	
1.4	QPSK	1	5	23.99	23.90	23.93			
1.4	QPSK	3	0	24.12	24.14	24.11			
1.4	QPSK	3	1	24.11	24.00	24.05			
1.4	QPSK	3	3	23.99	24.10	24.00	24	1	
1.4	QPSK	6	0	23.15	23.12	23.00			
1.4	QPSK	6	0	23.80	23.66	23.61			
1.4	HQAM	1	3	23.54	23.29	23.12	24	1	
1.4	HQAM	1	5	23.40	23.20	23.44			
1.4	HQAM	3	0	23.05	23.16	22.98			



Band 12_Ant 0 (Default)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power High Ch / Freq.	Power High Ch / Freq. 200kHz	Time-up limit (dB)	MPR (dB)		
Channel										
Frequency (MHz)										
764	767.5	711								
10	QPSK	1	0	24.09	24.24	24.10				
10	QPSK	1	25	24.03	24.18	24.03	25	0		
10	QPSK	1	49	24.03	24.02	24.01				
10	QPSK	25	0	23.16	23.18	23.14				
10	QPSK	25	12	23.11	23.17	23.02	24	1		
10	QPSK	25	25	23.14	23.16	23.12				
10	QPSK	50	0	23.11	23.15	23.12				
10	QPSK	50	0	23.32	23.36	23.33				
10	HQAM	1	25	23.47	23.71	23.38	24	1		
10	HQAM	1	49	23.73	23.57	23.65				
10	HQAM	1	49	23.52	23.31	23.43				
10	HQAM	25	12	23.17	23.25	23.10	23	2		
10	HQAM	25	25	23.20	23.31	23.26				
10	HQAM	50	0	22.33	22.45	22.33				
10	HQAM	1	0	22.20	22.27	22.40				
10	HQAM	1	25	22.26	22.47	22.26				
10	HQAM	1	49	22.32	22.31	22.41				
10	HQAM	25	0	21.19	21.11	21.07				
10	HQAM	25	12	21.22	21.27	21.04	22	3		
10	HQAM	25	25	21.20	21.17	21.16				
10	HQAM	50	0	21.28	21.11	21.04				
Channel										
Frequency (MHz)										
705.5	707.5	713.5								
5	QPSK	1	0	23.98	24.00	24.04				
5	QPSK	1	12	23.99	24.05	23.94	25	0		
5	QPSK	1	24	23.93	23.87	23.99				
5	QPSK	12	0	23.02	23.17	23.13				
5	QPSK	12	7	23.06	23.16	23.02	24	1		
5	QPSK	12	13	23.02	23.02	23.02				
5	QPSK	25	0	23.09	23.04	23.02				
5	HQAM	1	0	23.53	23.56	23.26	24	1		
5	HQAM	1	24	23.58	23.44	23.64				
5	HQAM	12	0	22.28	22.11	22.00				
5	HQAM	12	13	22.29	22.20	22.10	23	2		
5	HQAM	25	0	22.08	22.18	22.08				
5	HQAM	25	0	22.18	22.16	22.34				
5	HQAM	1	12	22.25	22.39	22.18	23	2		
5	HQAM	12	0	21.09	21.05	21.02				
5	HQAM	12	7	21.17	21.17	21.01	22	3		
5	HQAM	25	0	21.16	21.07	20.90				
Channel										
Frequency (MHz)										
2305.5	2309.5	2316.5								
3	QPSK	1	0	24.07	23.99	24.08				
3	QPSK	1	8	24.03	24.12	23.93	25	0		
3	QPSK	1	14	23.88	23.91	23.91				
3	QPSK	8	0	23.05	23.16	23.07				
3	QPSK	8	4	23.01	23.04	22.98	24	1		
3	QPSK	8	7	22.95	23.08	22.93				
3	QPSK	15	0	23.05	23.07	22.98				
3	HQAM	1	0	23.31	23.45	23.42	24	1		
3	HQAM	1	8	23.39	23.51	23.10				
3	HQAM	1	14	23.18	23.36	23.10				
3	HQAM	8	0	21.94	21.82	21.94				
3	HQAM	8	4	22.12	21.97	21.80	23	2		
3	HQAM	8	7	22.01	22.05	21.92				
3	HQAM	15	0	21.91	21.98	22.01				
3	HQAM	1	8	22.10	22.42	22.01	23	2		
3	HQAM	1	14	22.33	22.29	22.15				
3	HQAM	8	0	21.96	21.96	21.98				
3	HQAM	8	4	21.05	21.03	21.02	22	3		
3	HQAM	8	7	21.06	21.02	20.93				
3	HQAM	16	0	21.17	21.01	20.91				
Channel										
Frequency (MHz)										
699.7	707.5	716.3								
1.4	QPSK	1	0	23.99	24.06	23.96				
1.4	QPSK	1	3	24.02	24.00	23.85	25	0		
1.4	QPSK	1	5	23.97	23.91	23.87				
1.4	QPSK	3	0	23.03	24.07	23.95				
1.4	QPSK	3	1	23.07	23.93	23.87				
1.4	QPSK	3	3	24.00	23.95	24.01				
1.4	QPSK	6	0	22.99	23.02	22.95	24	1		
1.4	HQAM	1	0	23.84	23.81	23.84				
1.4	HQAM	1	3	23.48	23.83	23.21				
1.4	HQAM	1	5	23.67	23.42	23.94				
1.4	HQAM	3	0	23.13	23.10	23.11	24	1		
1.4	HQAM	3	1	23.07	23.24	22.95				
1.4	HQAM	3	3	23.29	23.22	23.29				
1.4	HQAM	6	0	22.04	22.19	21.89	23	2		
1.4	HQAM	1	0	23.17	22.43	22.38				
1.4	HQAM	1	3	22.16	22.49	22.25				
1.4	HQAM	1	5	22.16	22.16	22.40				
1.4	HQAM	3	0	21.18	21.07	21.00	23	2		
1.4	HQAM	3	1	21.29	21.05	21.05				
1.4	HQAM	3	3	21.20	21.03	21.01				
1.4	HQAM	6	0	21.28	21.17	21.06	22	3		

Band 12_Ant 1 (Default)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power High Ch / Freq.	Power High Ch / Freq. 200kHz	Time-up limit (dB)	MPR (dB)		
Channel										
Frequency (MHz)										
764	767.5	711								
10	QPSK	1	0	24.09	24.24	24.10				
10	QPSK	1	25	24.03	24.13	24.03	25	0		
10	QPSK	1	49	24.03	24.02	24.01				
10	QPSK	25	0	23.16	23.18	23.14				
10	QPSK	25	12	23.11	23.17	23.02	24	1		
10	QPSK	25	25	23.14	23.16	23.12				
10	QPSK	50	0	23.11	23.15	23.12				
10	QPSK	50	0	23.32	23.36	23.33				
10	HQAM	1	25	23.47	23.71	23.38	24	1		
10	HQAM	1	49	23.73	23.57	23.65				
10	HQAM	1	49	23.52	23.31	23.43				
10	HQAM	25	12	23.17	23.25	23.10	23	2		
10	HQAM	25	25	23.20	23.31	23.26				
10	HQAM	50	0	22.33	22.45	22.33				
10	HQAM	1	0	22.20	22.27	22.40				
10	HQAM	1	25	22.26	22.47	22.26				
10	HQAM	1	49	22.32	22.31	22.41				
10	HQAM	25	0	21.19	21.11	21.07				
10	HQAM	25	12	21.22	21.27	21.04	22	3		
10	HQAM	25	25	21.20	21.17	21.16				
10	HQAM	50	0	21.28	21.11	21.04				
Channel										
Frequency (MHz)										
705.5	707.5	713.5								
5	QPSK	1	0	23.98	24.00	24.04				
5	QPSK	1	12	23.99	24.05	23.94	25	0		
5	QPSK	1	24	23.93	23.87	23.99				
5	QPSK	12	0	23.02	23.17	23.13				
5	QPSK	12	7	23.06	23.16	23.02	24	1		
5	QPSK	12	13	23.02	23.02	23.02				
5	QPSK	25	0	23.09	23.04	23.02				
5	HQAM	1	0	23.53	23.56	23.26	24	1		
5	HQAM	1	24	23.58	23.44	23.64				
5	HQAM	12	0	22.28	22.11	22.00				
5	HQAM	12	13	22.29	22.20	22.10	23	2		
5	HQAM	25	0	22.08	22.18	22.08				
5	HQAM	25	0	22.18	22.16	22.34				
5	HQAM	1	12	22.25	22.39	22.18	23	2		
5	HQAM	12	0	21.09	21.05	21.02				
5	HQAM	12	7	21.17	21.17	21.01	22	3		
5	HQAM	25	0	21.16	21.07	20.90				
Channel										
Frequency (MHz)										
2305.5	2309.5	2316.5								
3	QPSK	1	0	24.07	23.99	24.08				
3	QPSK	1	8	24.03	24.12	23.93	25	0		
3	QPSK	1	14	23.88	23.91	23.91				
3	QPSK	8	0	23.05	23.16	23.07				



Band 17_Ant 0 (Default)

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								
Frequency (MHz)				709	710	711		
10	QPSK	1	0	23.97	24.14	24.37	25	0
10	QPSK	1	25	24.06	24.21	24.44		
10	QPSK	1	49	24.31	24.37	24.93		
10	QPSK	25	0	25.09	25.12	25.11		
10	QPSK	25	12	25.04	25.08	25.09		
10	QPSK	25	25	25.34	25.38	25.61		
10	QPSK	50	0	25.04	25.08	25.07		
10	QPSK	50	0	25.19	25.18	25.68		
10	HQAM	1	0	25.25	25.44	25.57	24	1
10	HQAM	1	49	25.17	25.45	25.59		
10	HQAM	25	0	25.14	25.24	25.56		
10	HQAM	25	12	25.18	25.19	25.16		
10	HQAM	25	25	25.18	25.22	25.07		
10	HQAM	1	0	25.25	25.32	25.19		
10	HQAM	1	25	25.14	25.21	25.02		
10	HQAM	1	49	25.08	25.43	25.58		
10	HQAM	25	0	25.35	25.15	25.03		
10	HQAM	25	12	25.18	25.17	25.05		
10	HQAM	25	25	25.18	25.15	25.03		
10	HQAM	50	0	25.15	25.39	25.03		
Channel								
Frequency (MHz)				2359	2374	2385		
5	QPSK	1	0	23.84	24.08	23.74	25	0
5	QPSK	1	12	23.92	23.89	24.12		
5	QPSK	1	24	23.81	23.96	23.81		
5	QPSK	12	0	22.89	22.81	22.87		
5	QPSK	12	7	22.96	22.94	23.01		
5	QPSK	12	13	22.84	23.04	23.09		
5	QPSK	25	0	22.99	22.62	22.84		
5	HQAM	1	0	23.05	23.05	23.52		
5	HQAM	1	24	23.04	23.38	23.59		
5	HQAM	12	0	22.08	23.19	22.04		
5	HQAM	12	7	22.16	22.13	22.05		
5	HQAM	12	13	22.06	22.13	22.15		
5	HQAM	25	0	22.07	22.09	22.08		
5	HQAM	25	0	22.12	22.30	22.05		
5	HQAM	1	12	21.90	22.36	21.95		
5	HQAM	1	24	21.98	22.37	21.83		
5	HQAM	12	0	21.85	21.03	21.81		
5	HQAM	12	7	21.07	21.02	21.06		
5	HQAM	12	13	21.08	21.03	21.07		
5	HQAM	25	0	21.02	21.09	21.81		

Band 17_Ant 1 (Default)

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								
Frequency (MHz)				709	710	711		
10	QPSK	1	0	24.16	24.19	24.13	25	0
10	QPSK	1	25	24.13	24.11	24.11		
10	QPSK	1	49	23.96	24.11	24.12		
10	QPSK	25	0	25.18	25.23	25.21		
10	QPSK	25	12	25.12	25.17	25.12		
10	QPSK	25	25	25.17	25.22	25.19		
10	QPSK	50	0	25.14	25.18	25.07		
10	QPSK	50	0	25.24	25.51	25.29		
10	HQAM	1	0	25.24	25.45	25.58	24	1
10	HQAM	1	49	25.11	25.54	25.71		
10	HQAM	25	0	25.28	25.15	25.12		
10	HQAM	25	12	25.23	25.22	25.19		
10	HQAM	25	25	25.29	25.19	25.31		
10	HQAM	50	0	25.15	25.10	25.21		
10	HQAM	50	0	25.23	25.28	25.17		
10	HQAM	1	0	25.22	25.50	25.41		
10	HQAM	1	49	25.15	25.39	25.25		
10	HQAM	25	0	25.18	25.15	25.10		
10	HQAM	25	12	25.10	25.20	25.18		
10	HQAM	25	25	25.12	25.13	25.18		
10	HQAM	50	0	25.13	25.14	25.07		
Channel								
Frequency (MHz)				2359	2374	2385		
5	QPSK	1	0	24.16	24.09	23.91	25	0
5	QPSK	1	12	24.05	24.00	24.00		
5	QPSK	1	24	23.94	24.00	24.11		
5	QPSK	12	0	22.96	23.10	23.01		
5	QPSK	12	7	23.20	23.07	23.07		
5	QPSK	12	13	23.05	23.12	23.18		
5	QPSK	25	0	23.06	23.03	22.94		
5	HQAM	1	0	23.38	23.30	23.29		
5	HQAM	1	24	23.42	23.37	23.47		
5	HQAM	12	0	21.94	22.02	22.05		
5	HQAM	12	7	22.12	22.18	22.10		
5	HQAM	12	13	21.94	22.05	22.25		
5	HQAM	25	0	22.13	22.00	22.20		
5	HQAM	25	0	22.12	22.22	22.12		
5	HQAM	1	12	22.47	22.56	22.31		
5	HQAM	1	24	22.14	22.32	22.14		
5	HQAM	12	0	21.98	21.07	21.03		
5	HQAM	12	7	21.18	21.18	21.08		
5	HQAM	12	13	21.07	21.17	21.09		
5	HQAM	25	0	21.21	21.22	21.04		

Band 25_Ant 3 (Default)

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								
Frequency (MHz)				1882	1880	1905		
30	QPSK	1	0	22.13	22.19	22.12	23	0
30	QPSK	1	49	22.09	22.03	22.04		
30	QPSK	1	99	22.01	22.03	22.01		
30	QPSK	50	0	21.68	21.69	21.65		
30	QPSK	50	24	21.59	21.62	21.61		
30	QPSK	50	50	21.66	21.67	21.60		
30	HQAM	1	0	21.66	21.67	21.60		
30	HQAM	1	49	21.31	21.31	21.43		
30	HQAM	1	99	21.65	21.69	21.68		
30	HQAM	50	0	20.99	20.95	20.94		
30	HQAM	50	24	20.91	20.93	20.95		
30	HQAM	50	50	20.95	20.98	20.98		
30	HQAM	100	0	20.97	20.97	20.94		
30	HQAM	1	0	20.15	20.15	20.07		
30	HQAM	1	49	20.95	20.97	20.24		
30	HQAM	1	99	20.93	20.95	20.15		
30	HQAM	50	0	19.09	19.05	19.32		
30	HQAM	50	24	19.07	19.02	19.35		
30	HQAM	50	50	19.02	19.01	19.32		
30	HQAM	100	0	19.03	19.01	19.32		
Channel								
Frequency (MHz)				18715	18810	18885		
15	QPSK	1	0	22.03	22.03	22.04		
15	QPSK	1	37	22.01	22.09	22.02		
15	QPSK	1	74	21.99	21.99	21.95		
15	QPSK	36	0	21.62	21.62	21.60		
15	QPSK	36	20	21.67	21.69	21.68		
15	QPSK	36	36	21.62	21.62	21.62		
15	QPSK	75	0	21.68	21.65	21.68		
15	HQAM	1	0	21.23	21.13	21.10		
15	HQAM	1	37	21.30	21.30	21.22		
15	HQAM	1	74	21.12	21.08	21.19		
15	HQAM	36	0	20.94	20.95	20.94		
15	HQAM	36	20	20.93	20.90	20.93		
15	HQAM	36	36	20.92	20.97	20.99		
15	HQAM	75	0	20.90	20.90	20.89		
15	HQAM	75	0	20.92	20.11	20.92		
15	HQAM	1	37	20.12	20.07	20.18		
15	HQAM	1	74	20.12	20.06	20.15		
15	HQAM	36	0	19.01	19.03	19.03		
15	HQAM	36	20	19.01	19.02	19.00		
15	HQAM	75	0	19.08	19.01	19.02		
Channel								
Frequency (MHz)				26390	26340	26560		
10	QPSK	1	0	22.04	22.01	22.00	23	0
10	QPSK	1	25	22.02	22.07	22.00		
10	QPSK	1	49	22.04	22.03	22.05		
10	QPSK	25	0	21.15	21.14	21.04		
10	QPSK	25	12	21.18	21.13	21.15		
10	QPSK	25	25	21.11	21.05	21.10		
10	QPSK	50	0	21.11	21.13	22.16		
10	HQAM	1	0	21.52	21.42	21.29		
10	HQAM	1	25	21.29	21.30	21.37		
10	HQAM	1	49	21.38	21.38	21.36		
10	HQAM	25	0	20.16	20.15	20.07		
10	HQAM	25	12	20.15	20.15	20.14		
10	HQAM	25	25	20.14	20.12	20.12		
10	HQAM	50	0	20.14	20.12	20.12		
10	HQAM	50	0	20.12	20.11	20.02		
10	HQAM	1	0	20.29	20.28	20.28		
10	HQAM	1	49	20.18	20.14	20.19		
10	HQAM	25	0	19				



Band 26_Ant 0 (Default)

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power, Power Hyst, Power Freq, Tuning Int, MPR. Multiple sub-headers for Frequency (MHz) and Channel.

Band 26_Ant 1 (Default)

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power, Power Hyst, Power Freq, Tuning Int, MPR. Multiple sub-headers for Frequency (MHz) and Channel.

Band 66_Ant 3 (Default)

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power, Power Hyst, Power Freq, Tuning Int, MPR. Multiple sub-headers for Frequency (MHz) and Channel.

Band 66_Ant 4 (Default)

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power, Power Hyst, Power Freq, Tuning Int, MPR. Multiple sub-headers for Frequency (MHz) and Channel.



Band 38_Ant 3 (Default)

BWP (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch / Freq	Mid Ch / Freq	High Ch / Freq		
Channel								
Frequency (MHz)								
20	QPSK	1	0	22.03	21.91	21.89	23	0
20	QPSK	1	49	22.09	21.97	21.95		
20	QPSK	1	99	22.15	22.03	22.01		
20	QPSK	50	0	21.09	20.97	20.95		
20	QPSK	50	24	21.11	21.12	20.91	22	1
20	QPSK	50	53	21.02	21.03	20.98		
20	QPSK	100	0	21.03	21.08	21.00		
20	16QAM	1	0	21.00	21.20	20.83	22	1
20	16QAM	1	49	21.06	21.27	21.11		
20	16QAM	1	99	21.24	21.22	21.22		
20	16QAM	50	0	20.08	19.94	19.90		
20	16QAM	50	24	20.09	19.96	19.98	21	2
20	16QAM	50	53	20.12	20.08	20.03		
20	16QAM	100	0	20.10	19.86	19.88		
20	16QAM	100	24	20.10	20.00	19.90	21	2
20	16QAM	100	49	20.28	20.00	20.24		
20	16QAM	1	99	20.24	20.21	19.99		
20	16QAM	50	0	19.00	18.94	18.89		
20	16QAM	50	24	18.18	18.91	18.94	20	3
20	16QAM	50	53	18.32	18.90	19.00		
20	16QAM	100	0	18.11	18.92	18.88		
Channel								
Frequency (MHz)								
15	QPSK	1	0	21.69	21.75	21.86	23	0
15	QPSK	1	49	21.72	21.75	21.88		
15	QPSK	1	97	21.79	21.86	21.87		
15	QPSK	1	74	21.91	21.92	21.88		
15	QPSK	36	0	21.08	20.87	20.86	22	1
15	QPSK	36	20	21.09	20.87	20.87		
15	QPSK	36	39	21.09	21.03	21.03		
15	QPSK	75	0	21.14	21.04	21.04		
15	16QAM	1	0	21.14	21.08	21.08	22	1
15	16QAM	1	37	21.37	21.16	21.14		
15	16QAM	1	74	21.33	21.10	21.24		
15	16QAM	36	0	20.19	19.90	19.93	21	2
15	16QAM	36	20	20.19	20.05	20.12		
15	16QAM	36	39	20.12	20.11	20.07		
15	16QAM	75	0	20.19	19.93	20.06	21	2
15	16QAM	75	20	20.22	19.91	20.08		
15	16QAM	75	39	20.12	20.08	20.07	20	3
15	16QAM	1	74	20.25	19.90	20.03		
15	16QAM	36	0	19.08	18.92	19.00		
15	16QAM	36	20	19.18	19.04	19.08		
15	16QAM	36	39	19.08	18.96	19.04		
15	16QAM	75	0	18.94	18.99	19.03	19.5	3
15	16QAM	75	20	19.03	18.90	19.00		
Channel								
Frequency (MHz)								
10	QPSK	1	0	22.00	21.93	22.08	23	0
10	QPSK	1	25	22.00	22.00	21.97		
10	QPSK	1	49	21.95	22.14	21.93		
10	QPSK	25	0	21.16	21.90	21.98	22	1
10	QPSK	25	12	21.20	21.04	20.99		
10	QPSK	25	25	21.30	21.07	21.10		
10	QPSK	50	0	21.21	21.10	21.08		
10	16QAM	1	0	21.27	21.59	21.41	22	1
10	16QAM	1	25	21.87	21.32	21.60		
10	16QAM	1	49	21.61	21.38	21.17		
10	16QAM	25	0	20.19	20.12	20.04		
10	16QAM	25	12	20.12	20.04	20.16	21	2
10	16QAM	25	25	20.23	20.21	20.11		
10	16QAM	50	0	20.26	20.03	20.08		
10	16QAM	1	0	20.48	20.20	20.08	21	2
10	16QAM	1	25	20.45	20.16	20.20		
10	16QAM	1	49	20.13	20.36	20.48		
10	16QAM	25	0	19.22	19.10	19.18		
10	16QAM	25	12	19.35	19.13	19.08	20	3
10	16QAM	25	25	19.24	19.09	19.10		
10	16QAM	50	0	19.19	19.11	19.01		
Channel								
Frequency (MHz)								
5	QPSK	1	0	22.12	22.09	22.10	23	0
5	QPSK	1	12	22.13	22.02	21.92		
5	QPSK	1	24	22.09	22.07	21.99		
5	QPSK	12	0	21.00	21.00	21.11	22	1
5	QPSK	12	7	21.25	21.12	21.10		
5	QPSK	12	13	21.18	21.14	21.11		
5	QPSK	25	0	21.24	21.04	21.13		
5	16QAM	1	0	21.51	21.43	21.57	22	1
5	16QAM	1	12	21.42	21.30	21.53		
5	16QAM	1	24	21.27	21.20	21.33		
5	16QAM	12	0	20.18	20.15	20.11	21	2
5	16QAM	12	7	20.24	20.19	20.23		
5	16QAM	12	13	20.28	20.19	20.13		
5	16QAM	25	0	20.35	20.08	20.15	21	2
5	16QAM	25	0	20.35	20.20	20.09		
5	16QAM	1	12	20.27	20.32	20.03		
5	16QAM	1	24	19.94	20.41	20.20	20	3
5	16QAM	12	0	19.19	19.11	19.10		
5	16QAM	12	7	18.27	19.17	19.21		
5	16QAM	12	13	18.38	19.02	19.19		
5	16QAM	25	0	18.19	19.07	19.11	19.5	3

Band 38_Ant 4 (Default)

BWP (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch / Freq	Mid Ch / Freq	High Ch / Freq		
Channel								
Frequency (MHz)								
20	QPSK	1	0	22.45	22.40	22.34	24.5	0
20	QPSK	1	49	22.49	22.52	22.62		
20	QPSK	1	99	22.39	22.73	22.72		
20	QPSK	50	0	22.48	22.52	22.53		
20	QPSK	50	24	22.61	22.62	22.28	23.5	1
20	QPSK	50	53	22.60	22.63	22.63		
20	QPSK	100	0	22.62	22.65	22.57		
20	16QAM	1	0	22.59	22.80	22.80	23.5	1
20	16QAM	1	49	22.67	22.81	22.84		
20	16QAM	1	99	22.58	22.85	22.85		
20	16QAM	50	0	21.42	21.56	21.56	22.5	2
20	16QAM	50	24	21.63	21.74	21.74		
20	16QAM	50	53	21.64	21.61	21.73		
20	16QAM	100	0	21.60	21.69	21.59		
20	16QAM	100	24	21.74	21.63	21.50	22.5	2
20	16QAM	100	49	21.90	21.97	21.81		
20	16QAM	1	99	21.74	21.88	21.84		
20	16QAM	50	0	20.51	20.55	20.43		
20	16QAM	50	24	20.60	20.53	20.63	21.5	3
20	16QAM	50	53	20.75	20.65	20.68		
20	16QAM	100	0	20.54	20.56	20.56		
Channel								
Frequency (MHz)								
15	QPSK	1	0	22.70	22.60	22.75	24.5	0
15	QPSK	1	49	22.72	22.65	22.72		
15	QPSK	1	97	22.49	22.68	22.56		
15	QPSK	1	74	23.48	23.48	23.58		
15	QPSK	36	0	22.58	22.62	22.68	23.5	1
15	QPSK	36	20	22.62	22.61	22.62		
15	QPSK	36	39	22.56	22.61	22.62		
15	QPSK	75	0	22.54	22.45	22.87	23.5	1
15	16QAM	1	0	22.64	22.86	22.92		
15	16QAM	1	37	22.88	23.03	22.90		
15	16QAM	1	74	22.86	22.78	22.79	23.5	1
15	16QAM	36	0	21.61	21.66	21.49	22.5	2
15	16QAM	36	20	21.74	21.64	21.78		
15	16QAM	36	39	21.63	21.64	21.68		
15	16QAM	75	0	21.55	21.55	21.83	22.5	2
15	16QAM	75	20	21.44	21.50	21.84		
15	16QAM	75	39	21.54	21.56	21.49		
15	16QAM	1	74	21.05	21.56	21.59	21.5	3
15	16QAM	36	0	20.55	20.57	20.49		
15	16QAM	36	20	20.73	20.65	20.77		
15	16QAM	36	39	20.54	20.67	20.66		
15	16QAM	75	0	20.61	20.52	20.60	21.5	3
15	16QAM	75	20	20.69	20.60	20.74		
Channel								
Frequency (MHz)								
10	QPSK	1	0	23.83	23.80	23.87	24.5	0
10	QPSK	1	49	23.85	23.85	23.62		
10	QPSK	25	0	23.70	23.66	23.69		
10	QPSK	25	12	22.71	22.68	22.71	23.5	1
10	QPSK	25	25	22.67	22.74	22.74		
10	QPSK	50	0	22.82	22.71	22.71		
10	16QAM	1	0	23.01	22.96	23.06	23.5	



Band 41 HPUE_Ant 3 (Default)

BW [MHz]	Modulation	RIS Size	RIS Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Power High Mod Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up Int (s)	MFR (dB)
Channel											
39750 40186 40600 41095 41460											
Frequency (MHz)											
20	QPSK	1	0	23.77	23.61	23.63	23.67	23.61	23.63	24.5	0
20	QPSK	1	49	23.85	23.74	23.56	23.66	23.60	23.60		
20	QPSK	1	99	23.86	23.65	23.58	23.71	23.60	23.59		
20	QPSK	50	0	22.81	22.77	22.72	22.81	22.84	22.84		
20	QPSK	50	24	22.83	22.87	22.86	22.70	22.84	22.84	23.5	1
20	QPSK	50	49	22.82	22.81	22.60	22.62	22.84	22.84		
20	QPSK	100	0	22.83	22.78	22.62	22.58	22.45	22.45		
20	QPSK	100	1	22.85	22.82	22.81	22.72	22.36	22.36		
20	QPSK	100	49	23.21	22.98	23.05	22.86	23.00	23.00	23.5	1
20	QPSK	100	99	23.11	23.21	22.85	22.89	23.11	23.11		
20	QPSK	50	0	21.92	21.78	21.64	21.74	21.86	21.86		
20	QPSK	50	24	22.00	21.98	21.72	21.78	21.89	21.89		
20	QPSK	50	49	21.99	21.91	21.63	21.74	21.81	21.81	22.5	2
20	QPSK	100	0	21.99	21.85	21.77	21.79	21.44	21.44		
20	QPSK	100	1	21.91	21.72	21.71	21.75	21.70	21.70		
20	QPSK	100	49	22.24	21.83	21.86	21.74	21.92	21.92		
20	QPSK	100	99	22.02	22.01	21.69	21.69	21.90	21.90	21.5	3
20	QPSK	50	0	20.98	20.78	20.62	20.69	20.57	20.57		
20	QPSK	50	24	20.91	20.78	20.62	20.70	20.51	20.51		
20	QPSK	50	49	20.92	20.86	20.79	20.83	20.82	20.82		
Channel											
39720 40173 40500 41095 41510											
Frequency (MHz)											
15	QPSK	1	0	23.70	23.46	23.75	23.53	23.50	23.50	24.00	0
15	QPSK	1	37	23.62	23.63	23.60	23.62	23.48	23.48		
15	QPSK	1	74	23.65	23.60	23.63	23.54	23.70	23.70		
15	QPSK	36	0	22.80	22.66	22.74	22.74	22.82	22.82		
15	QPSK	36	24	22.86	22.77	22.67	22.77	22.86	22.86	23.5	1
15	QPSK	36	39	22.84	22.72	22.77	22.71	22.66	22.66		
15	QPSK	75	0	22.73	22.71	22.81	22.77	22.60	22.60		
15	QPSK	75	1	22.69	22.71	22.67	22.65	22.68	22.68		
15	QPSK	75	1	22.69	22.69	22.68	22.67	22.68	22.68	23.5	1
15	QPSK	75	37	22.73	22.65	22.67	22.67	22.68	22.68		
15	QPSK	100	1	22.71	22.69	22.66	22.66	22.68	22.68		
15	QPSK	100	37	22.66	22.65	22.63	22.68	22.68	22.68		
15	QPSK	100	1	22.66	22.48	22.69	22.40	22.73	22.73	23.0	2
15	QPSK	100	37	22.61	21.68	21.69	21.68	21.48	21.48		
15	QPSK	50	0	21.86	21.61	21.60	21.74	21.81	21.81		
15	QPSK	50	20	21.84	21.61	21.61	21.74	21.81	21.81		
15	QPSK	50	39	21.82	21.66	21.66	21.64	21.59	21.59	22.0	2
15	QPSK	50	74	21.84	21.70	21.64	21.64	21.59	21.59		
15	QPSK	100	1	21.40	21.47	21.38	21.41	21.17	21.17		
15	QPSK	100	37	21.45	21.46	21.38	21.41	21.17	21.17		
15	QPSK	100	1	21.40	21.41	21.38	21.41	21.17	21.17	22.0	2
15	QPSK	100	37	21.45	21.46	21.38	21.41	21.17	21.17		
15	QPSK	75	0	20.97	20.99	20.88	20.70	20.59	20.59		
15	QPSK	75	1	20.94	20.71	20.83	20.70	20.64	20.64		
15	QPSK	75	1	20.94	20.71	20.83	20.70	20.64	20.64	21.5	3
15	QPSK	36	0	20.84	20.71	20.63	20.70	20.63	20.63		
15	QPSK	36	39	20.82	20.81	20.62	20.65	20.58	20.58		
15	QPSK	75	0	20.82	20.58	20.62	20.64	20.57	20.57		
Channel											
39700 40160 40500 41095 41510											
Frequency (MHz)											
10	QPSK	1	0	23.70	23.47	23.68	23.46	23.52	23.52	24.00	0
10	QPSK	1	25	23.61	23.59	23.74	23.60	23.77	23.77		
10	QPSK	1	49	23.63	23.58	23.64	23.51	23.47	23.47		
10	QPSK	25	0	22.70	22.65	22.78	22.69	22.69	22.69		
10	QPSK	25	12	22.82	22.72	22.59	22.58	22.58	22.58	23.5	1
10	QPSK	25	25	22.80	22.68	22.77	22.73	22.58	22.58		
10	QPSK	50	0	22.70	22.68	22.68	22.71	22.81	22.81		
10	QPSK	50	1	22.68	22.73	22.63	22.64	22.67	22.67		
10	QPSK	50	1	22.68	22.67	22.63	22.62	22.68	22.68	23.5	1
10	QPSK	100	1	22.67	22.59	22.59	22.65	22.38	22.38		
10	QPSK	100	1	22.67	22.59	22.59	22.65	22.38	22.38		
10	QPSK	100	49	22.67	22.59	22.59	22.65	22.38	22.38		
10	QPSK	100	1	22.67	22.59	22.59	22.65	22.38	22.38	22.5	2
10	QPSK	100	25	21.89	21.87	21.89	21.87	21.80	21.80		
10	QPSK	100	25	21.91	21.74	21.86	21.84	21.80	21.80		
10	QPSK	100	25	21.91	21.79	21.86	21.84	21.74	21.74		
10	QPSK	100	50	21.77	21.73	21.79	21.82	21.65	21.65	22.5	2
10	QPSK	100	1	21.89	21.67	21.70	21.69	21.60	21.60		
10	QPSK	100	1	21.89	21.75	22.02	21.70	21.69	21.69		
10	QPSK	100	49	21.84	21.86	22.01	21.84	21.81	21.81		
10	QPSK	100	1	20.90	20.71	20.65	20.74	20.64	20.64	21.5	3
10	QPSK	100	1	20.90	20.71	20.65	20.74	20.64	20.64		
10	QPSK	100	25	20.88	20.59	20.67	20.69	20.70	20.70		
10	QPSK	100	50	20.91	20.71	20.65	20.74	20.69	20.69		
Channel											
39675 40148 40600 41095 41460											
Frequency (MHz)											
5	QPSK	1	0	23.67	23.46	23.73	23.53	23.56	23.56	24.00	0
5	QPSK	1	12	23.78	23.65	23.64	23.67	23.46	23.46		
5	QPSK	1	24	23.67	23.58	23.56	23.60	23.73	23.73		
5	QPSK	12	0	22.75	22.68	22.75	22.60	22.60	22.60		
5	QPSK	12	7	22.79	22.78	22.65	22.80	22.87	22.87	23.5	1
5	QPSK	12	13	22.87	22.75	22.86	22.79	22.62	22.62		
5	QPSK	25	0	22.75	22.76	22.77	22.77	22.77	22.77		
5	QPSK	25	1	22.83	22.75	22.91	22.82	22.74	22.74		
5	QPSK	25	1	22.83	22.75	22.91	22.82	22.74	22.74	23.5	1
5	QPSK	100	1	22.78	22.68	22.68	22.68	22.68	22.68		
5	QPSK	100	1	22.78	22.68	22.68	22.68	22.68	22.68		
5	QPSK	100	1	22.78	22.68	22.68	22.68	22.68	22.68		
5	QPSK	100	1	22.78	22.68	22.68	22.68	22.68	22.68	22.5	2
5	QPSK	100	12	21.81	21.72	21.86	21.78	21.58	21.58		
5	QPSK	100	12	21.87	21.85	21.85	21.79	21.62	21.62		
5	QPSK	100	12	21.76	21.69	21.82	21.81	21.73	21.73		
5	QPSK	100	1	21.75	21.60	21.71	21.65	21.50	21.50	22.0	2
5	QPSK	100	1	21.75	21.60	21.71	21.65	21.50	21.50		
5	QPSK	100	1	21.75	21.60	21.71	21.65	21.50	21.50		
5	QPSK	100	1	21.75	21.60	21.71	21.65	21.50	21.50		
5	QPSK	100	1	21.75	21.60	21.71	21.65	21.50	21.50	22.0	2
5	QPSK	100	1	21.75	21.60	21.71	21.65	21.50	21.50		
5	QPSK	100	1	21.75	21.60	21.71	21.65	21.50	21.50		
5	QPSK	100	1	21.75	21.60	21.71	21.65	21.50	21.50		
5	QPSK	100	1	21.75	21.60	21.71	21.65	21.50	21.50	21.5	3
5	QPSK	100	1	21.75	21.60	21.71	21.65	21.50	21.50		
5	QPSK	100	1	21.75	21.60	21.71	21.65	21.50	21.50		
5	QPSK	100	1	21.75	21.60	21.71	21.65	21.50	21.50		

Band 41_Ant 4 (Default)

BW [MHz]	Modulation	RIS Size	RIS Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Power High Mod Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up Int (s)	MFR (dB)
Channel											
39750 40186 40600 41095 41460											
Frequency (MHz)											
20	QPSK	1	0	23.49	23.43	23.48	23.39	23.32	23.32	24	0
20	QPSK	1	49	23.38	23.47	23.50	23.55	23.53	23.53		
20	QPSK	1	99	22.81	22.81	22					



Reduced Power for receiver on

Table with 12 columns: GSM850_Ant_0, TX Channel, Burst Average Power (dBm), Tune-up Limit (dBm), Frame-Average Power (dBm), Tune-up Limit (dBm). Rows include GSM 1 Tx slot, GPRS 1 Tx slot, GPRS 2 Tx slots, GPRS 3 Tx slots, GPRS 4 Tx slots, EDGE(GMSK 1 Tx slot), EDGE(GMSK 2 Tx slots), EDGE(GMSK 3 Tx slots), EDGE(GMSK 4 Tx slots), EDGE 1 Tx slot, EDGE 2 Tx slots, EDGE 3 Tx slots, DTM Multi-slot class 5, DTM Multi-slot class 9, DTM Multi-slot class 11.

Table with 12 columns: GSM850_Ant_1, TX Channel, Burst Average Power (dBm), Tune-up Limit (dBm), Frame-Average Power (dBm), Tune-up Limit (dBm). Rows include GSM 1 Tx slot, GPRS 1 Tx slot, GPRS 2 Tx slots, GPRS 3 Tx slots, GPRS 4 Tx slots, EDGE(GMSK 1 Tx slot), EDGE(GMSK 2 Tx slots), EDGE(GMSK 3 Tx slots), EDGE(GMSK 4 Tx slots), EDGE 1 Tx slot, EDGE 2 Tx slots, EDGE 3 Tx slots, DTM Multi-slot class 5, DTM Multi-slot class 9, DTM Multi-slot class 11.

Table with 12 columns: GSM1900_Ant_3, TX Channel, Burst Average Power (dBm), Tune-up Limit (dBm), Frame-Average Power (dBm), Tune-up Limit (dBm). Rows include GSM 1 Tx slot, GPRS 1 Tx slot, GPRS 2 Tx slots, GPRS 3 Tx slots, GPRS 4 Tx slots, EDGE(GMSK 1 Tx slot), EDGE(GMSK 2 Tx slots), EDGE(GMSK 3 Tx slots), EDGE(GMSK 4 Tx slots), EDGE 1 Tx slot, EDGE 2 Tx slots, EDGE 3 Tx slots, DTM Multi-slot class 5, DTM Multi-slot class 9, DTM Multi-slot class 11.

Table with 12 columns: GSM1900_Ant_4, TX Channel, Burst Average Power (dBm), Tune-up Limit (dBm), Frame-Average Power (dBm), Tune-up Limit (dBm). Rows include GSM 1 Tx slot, GPRS 1 Tx slot, GPRS 2 Tx slots, GPRS 3 Tx slots, GPRS 4 Tx slots, EDGE(GMSK 1 Tx slot), EDGE(GMSK 2 Tx slots), EDGE(GMSK 3 Tx slots), EDGE(GMSK 4 Tx slots), EDGE 1 Tx slot, EDGE 2 Tx slots, EDGE 3 Tx slots, DTM Multi-slot class 5, DTM Multi-slot class 9, DTM Multi-slot class 11.

Table with 12 columns: Band, WCDMA IV_Ant_3, WCDMA IV_Ant_4, WCDMA IV_Ant_4, WCDMA IV_Ant_4, WCDMA IV_Ant_4, WCDMA IV_Ant_4, WCDMA IV_Ant_4, WCDMA IV_Ant_4, WCDMA IV_Ant_4, WCDMA IV_Ant_4, WCDMA IV_Ant_4. Rows include 3GPP Rel 99, 3GPP Rel 6, 3GPP Rel 8, 3GPP Rel 6, 3GPP Rel 6, 3GPP Rel 6, 3GPP Rel 8, 3GPP Rel 8, 3GPP Rel 6, 3GPP Rel 6, 3GPP Rel 6, 3GPP Rel 6.

Table with 12 columns: Band, WCDMA IV_Ant_3, WCDMA IV_Ant_4, WCDMA IV_Ant_4, WCDMA IV_Ant_4, WCDMA IV_Ant_4, WCDMA IV_Ant_4, WCDMA IV_Ant_4, WCDMA IV_Ant_4, WCDMA IV_Ant_4, WCDMA IV_Ant_4, WCDMA IV_Ant_4. Rows include 3GPP Rel 99, 3GPP Rel 6, 3GPP Rel 6, 3GPP Rel 6, 3GPP Rel 6, 3GPP Rel 6, 3GPP Rel 8, 3GPP Rel 8, 3GPP Rel 6, 3GPP Rel 6, 3GPP Rel 6, 3GPP Rel 6.

Table with 12 columns: Band, WCDMA V_Ant_0, WCDMA V_Ant_1, WCDMA V_Ant_1, WCDMA V_Ant_1, WCDMA V_Ant_1, WCDMA V_Ant_1, WCDMA V_Ant_1, WCDMA V_Ant_1, WCDMA V_Ant_1, WCDMA V_Ant_1, WCDMA V_Ant_1. Rows include 3GPP Rel 99, 3GPP Rel 99, 3GPP Rel 6, 3GPP Rel 6, 3GPP Rel 6, 3GPP Rel 6, 3GPP Rel 8, 3GPP Rel 8, 3GPP Rel 6, 3GPP Rel 6, 3GPP Rel 6, 3GPP Rel 6.

Table with 12 columns: Band, WCDMA IV_Ant_3, WCDMA IV_Ant_4, WCDMA IV_Ant_4, WCDMA IV_Ant_4, WCDMA IV_Ant_4, WCDMA IV_Ant_4, WCDMA IV_Ant_4, WCDMA IV_Ant_4, WCDMA IV_Ant_4, WCDMA IV_Ant_4, WCDMA IV_Ant_4. Rows include 3GPP Rel 99, 3GPP Rel 99, 3GPP Rel 6, 3GPP Rel 6, 3GPP Rel 6, 3GPP Rel 6, 3GPP Rel 8, 3GPP Rel 8, 3GPP Rel 6, 3GPP Rel 6, 3GPP Rel 6, 3GPP Rel 6.



Band 5_Ant 0 (DSI18)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power HCP / Freq.	Power Ch. / Freq.	Turn-up lim (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.81	23.82	23.79				
10	QPSK	1	25	23.74	23.82	23.77	25	0		
10	QPSK	1	49	23.73	23.86	23.68				
10	QPSK	25	0	22.92	22.93	22.88				
10	QPSK	25	12	22.82	22.74	22.83	24	1		
10	QPSK	25	25	22.81	22.82	22.74				
10	QPSK	50	0	22.81	22.82	22.82				
10	QPSK	50	0	21.96	21.99	21.91	24	1		
10	ISQAM	1	25	23.84	23.18	23.08				
10	ISQAM	1	49	23.28	22.92	23.32	23	2		
10	ISQAM	1	24	21.84	21.93	21.78				
10	ISQAM	25	12	21.83	21.84	21.90	23	2		
10	ISQAM	25	25	21.81	21.86	21.81				
10	ISQAM	25	0	21.96	21.99	21.91	22	3		
10	ISQAM	1	0	21.70	22.17	21.83				
10	ISQAM	1	25	22.16	21.84	22.07	23	2		
10	ISQAM	1	49	22.15	21.83	21.88				
10	ISQAM	25	0	20.88	20.88	20.75				
10	ISQAM	25	12	20.95	20.89	20.79	22	3		
10	ISQAM	25	25	20.77	20.89	20.82				
10	ISQAM	50	0	20.80	20.79	20.84				
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.87	23.78	23.87				
5	QPSK	1	12	23.63	23.70	23.65	25	0		
5	QPSK	1	24	23.68	23.60	23.65				
5	QPSK	12	0	22.79	22.88	22.81				
5	QPSK	12	7	22.76	22.89	22.79	24	1		
5	QPSK	12	12	22.80	22.84	22.80				
5	QPSK	25	0	22.70	22.72	22.73				
5	ISQAM	1	0	23.16	23.17	23.22				
5	ISQAM	1	24	23.16	22.63	23.28	24	1		
5	ISQAM	12	0	21.90	21.70	21.84				
5	ISQAM	12	7	21.71	21.73	21.78	23	2		
5	ISQAM	12	13	21.76	21.73	21.77				
5	ISQAM	25	0	21.81	21.79	21.88				
5	ISQAM	25	7	21.87	21.79	21.85	23	2		
5	ISQAM	12	0	20.83	20.82	20.72				
5	ISQAM	12	7	20.84	20.72	20.69	22	3		
5	ISQAM	12	13	20.77	20.76	20.75				
5	ISQAM	25	0	20.72	20.70	20.74				
Channel										
Frequency (MHz)										
3	QPSK	1	0	23.72	23.81	23.85				
3	QPSK	1	8	23.82	23.78	23.79	25	0		
3	QPSK	1	14	23.69	23.59	23.60				
3	QPSK	8	0	22.77	22.81	22.86				
3	QPSK	8	4	22.74	22.87	22.78	24	1		
3	QPSK	8	7	22.83	22.88	22.83				
3	QPSK	15	0	22.13	22.84	22.67				
3	ISQAM	1	0	23.10	23.05	23.24	24	1		
3	ISQAM	1	8	22.93	23.14	22.80				
3	ISQAM	1	14	23.18	22.88	23.04	23	2		
3	ISQAM	8	0	21.78	21.77	21.78				
3	ISQAM	8	7	21.71	21.73	21.76	23	2		
3	ISQAM	15	0	21.95	21.84	21.72				
3	ISQAM	15	0	21.67	22.09	21.83	23	2		
3	ISQAM	8	4	20.81	20.77	20.77				
3	ISQAM	8	7	20.74	20.81	20.80	22	3		
3	ISQAM	15	0	20.76	20.72	20.70				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	23.71	23.80	23.70				
1.4	QPSK	1	3	23.80	23.66	23.64	25	0		
1.4	QPSK	1	5	23.71	23.53	23.63				
1.4	QPSK	3	0	22.67	23.79	23.75				
1.4	QPSK	3	1	23.68	23.64	23.79	24	1		
1.4	QPSK	3	3	23.66	23.81	23.85				
1.4	ISQAM	1	0	22.79	22.89	22.86	24	1		
1.4	ISQAM	1	0	23.18	23.10	23.32				
1.4	ISQAM	1	3	22.91	23.35	22.98				
1.4	ISQAM	1	5	23.18	22.97	23.29	24	1		
1.4	ISQAM	3	0	22.81	22.76	22.75				
1.4	ISQAM	3	1	22.76	22.82	22.88	24	1		
1.4	ISQAM	3	3	22.76	22.79	22.81				
1.4	ISQAM	6	0	21.82	21.84	21.74	23	2		
1.4	ISQAM	6	0	21.87	22.23	21.94				
1.4	ISQAM	3	0	22.03	21.99	21.88	23	2		
1.4	ISQAM	3	1	22.08	21.86	21.86				
1.4	ISQAM	3	1	21.99	21.96	21.98				
1.4	ISQAM	3	3	21.98	22.01	21.92				
1.4	ISQAM	6	0	20.88	20.89	21.02	22	3		

Band 5_Ant 1 (DSI18)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power HCP / Freq.	Power Ch. / Freq.	Turn-up lim (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.11	24.18	24.08				
10	QPSK	1	25	24.02	24.17	24.08	25	0		
10	QPSK	1	49	24.09	23.98	24.04				
10	QPSK	25	0	23.23	23.26	23.24				
10	QPSK	25	12	23.21	23.18	23.21	24	1		
10	QPSK	25	25	23.14	23.17	23.11				
10	QPSK	50	0	23.20	23.25	23.15				
10	QPSK	50	0	22.33	22.89	22.82	24	1		
10	ISQAM	1	25	23.86	23.43	23.25				
10	ISQAM	1	49	23.60	23.29	23.46				
10	ISQAM	1	49	23.62	23.29	23.46	23	2		
10	ISQAM	25	12	23.21	23.18	23.21				
10	ISQAM	25	12	23.22	23.27	23.20				
10	ISQAM	25	25	23.22	23.23	23.16				
10	ISQAM	50	0	22.33	22.89	22.82	22	3		
10	ISQAM	1	0	22.12	22.51	22.49				
10	ISQAM	1	25	22.40	22.33	22.36	23	2		
10	ISQAM	1	49	22.38	22.47	22.19				
10	ISQAM	25	0	21.93	21.17	21.21				
10	ISQAM	25	12	21.46	21.11	21.25	22	3		
10	ISQAM	25	12	21.17	21.18	21.23				
10	ISQAM	50	0	21.17	21.23	21.24				
Channel										
Frequency (MHz)										
5	QPSK	1	0	24.04	24.06	24.06				
5	QPSK	1	12	23.69	24.12	23.63	25	0		
5	QPSK	1	24	24.01	23.85	24.03				
5	QPSK	12	0	23.11	23.12	23.23				
5	QPSK	12	7	23.14	23.05	23.17	24	1		
5	QPSK	12	13	23.08	23.09	23.07				
5	QPSK	25	0	23.09	23.22	23.03				
5	ISQAM	1	0	23.63	23.48	23.45				
5	ISQAM	1	12	23.61	23.32	23.34	24	1		
5	ISQAM	1	24	23.67	23.17	23.30				
5	ISQAM	12	0	22.11	22.22	21.98				
5	ISQAM	12	7	22.16	21.96	22.19	23	2		
5	ISQAM	12	13	22.12	22.12	22.01				
5	ISQAM	25	0	22.48	22.02	22.14				
5	ISQAM	25	0	21.87	21.38	21.39	23	2		
5	ISQAM	1	12	22.31	22.31	22.24				
5	ISQAM	1	24	22.31	22.42	22.38	23	2		
5	ISQAM	12	0	20.89	21.13	21.13				
5	ISQAM	12	7	21.19	21.10	21.17	22	3		
5	ISQAM	12	13	21.07	21.29	21.23				
5	ISQAM	25	0	21.13	21.14	21.18				
Channel										
Frequency (MHz)										
3	QPSK	1	0	24.01	24.03	23.97				
3	QPSK	1	8	24.01	24.10	23.97	25	0		
3	QPSK	1	14	24.02	23.98	23.86				
3	QPSK	8	0	23.11	23.01	23.17				
3	QPSK	8	4	23.10	23.09	23.11	24	1		
3	QPSK	8	7	23.13	23.07	23.16				
3	QPSK	15	0							



Band 12_Ant 0 (DS18)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Max Ch. / Freq.	Turn-up limit (dBm)	MPE (dB)	
Channel 704									
Frequency (MHz)									
10	QPSK	1	0	24.09	24.15	24.03			
10	QPSK	1	25	24.09	24.15	24.03	25	0	
10	QPSK	1	49	23.86	23.99	23.92			
10	QPSK	25	0	23.11	23.16	23.09			
10	QPSK	25	12	23.07	23.08	23.03			
10	QPSK	25	25	23.09	23.12	23.08	24	1	
10	QPSK	50	0	23.10	23.12	22.89			
10	IQPSAM	1	0	23.32	23.46	23.45			
10	IQPSAM	1	25	23.43	23.52	23.27	24	1	
10	IQPSAM	1	49	23.23	23.47	23.12			
10	IQPSAM	25	0	22.04	21.95	22.04			
10	IQPSAM	25	12	22.20	22.24	22.03			
10	IQPSAM	25	25	22.12	22.17	22.06	23	2	
10	IQPSAM	50	0	22.00	22.00	22.07			
10	IQPSAM	1	0	22.20	22.30	22.04			
10	IQPSAM	1	25	22.15	22.24	22.10			
10	IQPSAM	1	49	22.43	21.98	22.22			
10	IQPSAM	25	0	21.03	21.07	21.05			
10	IQPSAM	25	12	21.11	21.10	21.11			
10	IQPSAM	25	25	21.12	21.11	21.03	22	3	
10	IQPSAM	50	0	21.18	21.00	21.00			
Channel 705									
Frequency (MHz)									
5	QPSK	1	0	23.94	24.01	24.02			
5	QPSK	1	12	23.94	23.82	23.67	25	0	
5	QPSK	1	24	23.81	23.85	23.69			
5	QPSK	12	0	23.86	23.61	22.96			
5	QPSK	12	7	23.02	22.87	22.62	24	1	
5	QPSK	12	13	22.08	22.11	22.00			
5	QPSK	25	0	23.04	23.09	22.84			
5	IQPSAM	1	0	23.18	23.34	23.30			
5	IQPSAM	1	24	23.20	23.34	23.05	24	1	
5	IQPSAM	12	0	21.97	21.87	21.80			
5	IQPSAM	12	7	22.04	22.03	21.95			
5	IQPSAM	12	13	22.12	22.08	21.91	23	2	
5	IQPSAM	25	0	21.95	21.94	22.02			
5	IQPSAM	25	0	22.12	22.06	21.94			
5	IQPSAM	1	12	22.13	22.40	21.95	23	2	
5	IQPSAM	1	24	22.08	21.94	22.01			
5	IQPSAM	12	0	21.01	21.01	21.04			
5	IQPSAM	12	7	21.10	21.03	21.06	22	3	
5	IQPSAM	12	13	21.08	21.09	21.02			
5	IQPSAM	25	0	21.09	21.07	20.95			
Channel 2305									
Frequency (MHz)									
3	QPSK	1	0	23.97	24.00	23.99			
3	QPSK	1	8	23.85	23.80	23.83	25	0	
3	QPSK	1	14	23.70	23.85	23.86			
3	QPSK	8	0	23.07	23.03	23.00			
3	QPSK	8	4	23.06	22.90	23.02	24	1	
3	QPSK	8	7	22.95	23.06	23.00			
3	QPSK	15	0	23.05	23.07	22.88			
3	IQPSAM	1	0	23.31	23.40	23.42			
3	IQPSAM	1	8	23.30	23.31	23.10	24	1	
3	IQPSAM	1	14	23.18	23.30	23.10			
3	IQPSAM	8	0	21.94	21.82	21.94			
3	IQPSAM	8	4	22.12	21.97	21.80	23	2	
3	IQPSAM	8	7	22.01	22.05	21.82			
3	IQPSAM	15	0	21.91	21.98	22.01			
3	IQPSAM	1	8	22.10	22.42	22.01	23	2	
3	IQPSAM	1	14	22.33	22.09	22.15			
3	IQPSAM	8	0	20.96	21.06	20.98			
3	IQPSAM	8	4	21.05	21.03	21.02			
3	IQPSAM	8	7	21.06	21.02	20.93	22	3	
3	IQPSAM	15	0	21.17	20.91	20.91			
Channel 2305									
Frequency (MHz)									
1.4	QPSK	1	0	23.90	23.90	23.83			
1.4	QPSK	1	3	23.90	23.83	23.85	25	0	
1.4	QPSK	3	0	23.99	23.91	23.85			
1.4	QPSK	3	1	23.87	23.86	23.93			
1.4	QPSK	3	3	23.96	23.91	23.89			
1.4	QPSK	6	0	23.08	23.06	22.82	24	1	
1.4	IQPSAM	1	0	23.30	23.45	23.44			
1.4	IQPSAM	1	3	23.42	23.44	23.17			
1.4	IQPSAM	1	5	23.02	23.45	23.41			
1.4	IQPSAM	3	0	23.08	22.85	22.89	24	1	
1.4	IQPSAM	3	1	23.17	23.91	23.93			
1.4	IQPSAM	3	3	23.11	23.02	22.98			
1.4	IQPSAM	6	0	21.92	21.93	21.83	23	2	
1.4	IQPSAM	1	0	22.16	22.17	22.00			
1.4	IQPSAM	1	3	22.11	22.40	22.28			
1.4	IQPSAM	1	5	22.28	22.13	22.15			
1.4	IQPSAM	3	0	22.12	22.10	22.05	23	2	
1.4	IQPSAM	3	1	23.06	23.04	23.03			
1.4	IQPSAM	3	3	22.10	22.03	22.01			
1.4	IQPSAM	6	0	21.20	21.85	21.67	22	3	

Band 12_Ant 1 (DS18)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Max Ch. / Freq.	Turn-up limit (dBm)	MPE (dB)	
Channel 704									
Frequency (MHz)									
10	QPSK	1	0	24.09	24.24	24.10			
10	QPSK	1	25	24.03	24.13	24.03	25	0	
10	QPSK	1	49	24.03	24.02	24.01			
10	QPSK	25	0	23.16	23.18	23.14			
10	QPSK	25	12	23.11	23.17	23.08	24	1	
10	QPSK	25	25	23.14	23.16	23.12			
10	QPSK	50	0	23.11	23.15	23.12			
10	IQPSAM	1	0	23.39	23.63	23.60			
10	IQPSAM	1	25	23.47	23.71	23.38	24	1	
10	IQPSAM	1	49	23.73	23.57	23.65			
10	IQPSAM	25	0	22.17	22.19	22.12			
10	IQPSAM	25	12	22.03	22.10	22.10	23	2	
10	IQPSAM	25	25	22.40	22.31	22.30			
10	IQPSAM	50	0	22.33	22.25	22.20			
10	IQPSAM	1	0	22.23	22.57	22.40			
10	IQPSAM	1	25	22.25	22.47	22.26	23	2	
10	IQPSAM	1	49	22.92	23.31	23.41			
10	IQPSAM	25	0	21.19	21.11	21.07			
10	IQPSAM	25	12	21.22	21.27	21.04	22	3	
10	IQPSAM	25	25	21.29	21.17	21.16			
10	IQPSAM	50	0	21.26	21.11	21.04			
Channel 705									
Frequency (MHz)									
5	QPSK	1	0	23.98	24.00	24.04			
5	QPSK	1	12	23.99	24.05	23.94	25	0	
5	QPSK	1	24	23.91	23.87	23.99			
5	QPSK	12	0	23.02	23.17	23.13			
5	QPSK	12	7	23.06	23.16	23.02	24	1	
5	QPSK	12	13	22.07	22.08	22.00			
5	QPSK	25	0	23.09	23.03	23.02			
5	IQPSAM	1	0	23.65	23.56	23.26			
5	IQPSAM	1	24	23.68	23.44	23.64	24	1	
5	IQPSAM	12	0	22.08	22.11	22.00			
5	IQPSAM	12	7	22.14	22.14	22.00	23	2	
5	IQPSAM	12	13	22.29	22.20	22.10			
5	IQPSAM	25	0	22.08	22.16	22.00			
5	IQPSAM	25	0	22.18	22.12	22.34			
5	IQPSAM	1	12	22.25	22.39	22.18	23	2	
5	IQPSAM	1	24	22.05	22.06	22.09			
5	IQPSAM	12	0	21.09	21.05	21.02			
5	IQPSAM	12	7	21.17	21.17	21.01	22	3	
5	IQPSAM	12	13	21.20	21.12	21.11			
5	IQPSAM	25	0	21.16	21.07	20.90			
Channel 2305									
Frequency (MHz)									
3	QPSK	1	0	24.07	23.99	24.00			
3	QPSK	1	8	24.03	24.12	23.90	25	0	
3	QPSK	1	14	23.86	23.91	23.91			
3	QPSK	8	0	23.05	23.16	23.07			
3	QPSK	8	4	23.01	23.04	22.96	24	1	
3	QPSK	8	7	23.12	23.13	23.11			
3	QPSK	15	0	23.09	23.11	23.11			
3	IQPSAM	1	0	23.50	23.53	23.28			
3	IQPSAM	1	8	23.46	23.42	23.21	24	1	
3	IQPSAM	1	14	23.80	23.48	23.60			
3	IQPSAM	8	0	22.92	22.97	22.99			
3	IQPSAM	8	4	22.15	23.91	22.90	23	2	
3	IQPSAM	8	7	22.28	22.26	22.16			
3	IQPSAM	15	0	21.98	22.16	21.80			
3	IQPSAM	1	8	22.21	22.21	22.27			
3	IQPSAM	1	14	22.18	22.25	22.30			
3	IQPSAM	8	0	21.98	21.03	21.60			
3	IQPSAM	8	4	21.20	21.17	20.98	22	3	
3	IQPSAM	8	7	21.26	21.14	21.15			
3	IQPSAM	15	0	21.24	21.07	20.96			
Channel 2305									
Frequency (MHz)									
1.4	QPSK	1	0	23.89	24.06	23.86			
1.4	QPSK	1	3	24.02	24.00	23.89	25	0	
1.4	QPSK	1	5	23.97	23.91	23.87			
1.4	QPSK	3	0	23.83	24.07	23.85			
1.4	QPSK	3	1	23.97	23.93	23.97			
1.4	QPSK	3	3	24.00	23.95	24.01			
1.4	QPSK	6	0	22.89	23.02	22.96	24	1	
1.4	IQPSAM	1	0	23.84	23.81	23.81			
1.4	IQPSAM	1	3	23.46	23.83	23.21			
1.4	IQPSAM	1	5	23.67	23.42	23.94			
1.4	IQPSAM	3	0	23.13	23.10	23.11	24	1	
1.4	IQPSAM	3	1	23.07	23.94	22.95			
1.4	IQPSAM	3	3	23.29	23.22	22.99			
1.4	IQPSAM	6	0	22.04	22.19	21.89	23	2	
1.4	IQPSAM	1	0	22.17	22.43	22.36			
1.4	IQ								



Band 17_Ant 0 (DS18)										
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										
Frequency (MHz)										
10	QPSK	1	0	23.97	24.14	23.87				
10	QPSK	1	25	24.06	24.21	24.04				
10	QPSK	1	49	23.91	23.97	23.93			25	0
10	QPSK	25	0	23.09	23.12	23.11				
10	QPSK	25	12	23.04	23.08	23.09				
10	QPSK	25	25	23.04	23.06	23.01			24	1
10	QPSK	50	0	23.04	23.08	23.07				
10	ISDM	1	0	23.19	23.18	23.08				
10	ISDM	1	25	23.85	23.44	23.57			24	1
10	ISDM	1	49	23.87	23.45	23.69				
10	ISDM	25	0	22.14	22.04	22.08				
10	ISDM	25	12	22.17	22.20	22.20				
10	ISDM	25	25	22.14	22.19	22.16			23	2
10	ISDM	50	0	22.18	22.22	22.07				
10	ISDM	1	0	22.25	22.32	22.19				
10	ISDM	1	25	21.94	22.21	22.02				
10	ISDM	1	49	22.08	22.43	22.08				
10	ISDM	25	0	20.95	21.05	21.03				
10	ISDM	25	12	21.09	21.01	21.05				
10	ISDM	25	25	21.18	21.10	21.03			22	3
10	ISDM	50	0	21.05	20.99	21.03				
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.84	24.08	23.74				
5	QPSK	1	12	23.92	23.89	24.12			25	0
5	QPSK	1	24	23.81	23.96	23.81				
5	QPSK	12	0	22.89	22.81	22.87				
5	QPSK	12	7	22.99	22.94	23.01			24	1
5	QPSK	12	13	22.84	23.04	23.09				
5	QPSK	25	0	22.96	22.92	22.94				
5	ISDM	1	0	23.05	23.05	23.02				
5	ISDM	1	24	23.54	23.38	23.59			24	1
5	ISDM	12	0	22.08	21.96	22.04				
5	ISDM	12	7	22.18	22.13	22.05				
5	ISDM	12	13	22.06	22.13	22.15			23	2
5	ISDM	25	0	22.07	21.98	22.05				
5	ISDM	1	0	22.12	22.30	22.05				
5	ISDM	1	12	21.90	22.36	21.95			23	2
5	ISDM	1	24	21.99	22.23	21.83				
5	ISDM	12	0	20.85	21.03	21.01				
5	ISDM	12	7	21.07	20.92	20.98			22	3
5	ISDM	12	13	21.08	21.03	20.97				
5	ISDM	25	0	21.02	20.95	21.01				

Band 17_Ant 1 (DS18)										
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										
Frequency (MHz)										
10	QPSK	1	0	24.16	24.19	24.13				
10	QPSK	1	25	24.13	24.11	24.11			25	0
10	QPSK	1	49	23.96	24.11	24.12				
10	QPSK	25	0	23.18	23.23	23.21				
10	QPSK	25	12	23.12	23.17	23.12				
10	QPSK	25	25	23.17	23.22	23.19			24	1
10	QPSK	50	0	23.14	23.18	23.07				
10	ISDM	1	0	23.94	23.91	23.99				
10	ISDM	1	25	23.71	23.45	23.68			24	1
10	ISDM	1	49	23.71	23.54	23.71				
10	ISDM	25	0	22.08	22.15	22.12				
10	ISDM	25	12	22.21	22.22	22.19				
10	ISDM	25	25	22.09	22.19	22.31			23	2
10	ISDM	50	0	22.15	22.10	22.21				
10	ISDM	1	0	22.23	22.28	22.17				
10	ISDM	1	25	22.02	22.50	22.41			23	2
10	ISDM	1	49	22.15	22.39	22.23				
10	ISDM	25	0	21.18	21.15	21.10				
10	ISDM	25	12	21.30	21.20	21.38			22	3
10	ISDM	25	25	21.23	21.23	21.18				
10	ISDM	50	0	21.23	21.24	21.07				
Channel										
Frequency (MHz)										
5	QPSK	1	0	24.16	24.09	23.91				
5	QPSK	1	12	24.05	24.00	24.00			25	0
5	QPSK	1	24	23.94	24.00	24.11				
5	QPSK	12	0	22.96	23.10	23.01				
5	QPSK	12	7	23.20	23.07	23.07			24	1
5	QPSK	12	13	23.05	23.12	23.18				
5	QPSK	25	0	23.09	23.03	22.94				
5	ISDM	1	0	23.38	23.30	23.29				
5	ISDM	1	24	23.42	23.37	23.47			24	1
5	ISDM	12	0	21.94	22.02	22.05				
5	ISDM	12	7	22.12	22.16	22.10				
5	ISDM	12	13	21.94	22.05	22.20			23	2
5	ISDM	25	0	22.13	22.00	22.20				
5	ISDM	1	0	22.12	22.22	22.12				
5	ISDM	1	12	22.07	22.56	22.31			23	2
5	ISDM	1	24	22.14	22.32	22.14				
5	ISDM	12	0	21.08	21.07	21.03				
5	ISDM	12	7	21.18	21.18	21.08			22	3
5	ISDM	12	13	21.17	21.17	21.09				
5	ISDM	25	0	21.21	21.22	21.04				

Band 25_Ant 3 (DS18)										
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										
Frequency (MHz)										
30	QPSK	1	0	18.12	18.13	17.98				
30	QPSK	1	49	18.09	18.03	17.91			19	0
30	QPSK	1	99	18.09	18.03	17.79				
30	QPSK	50	0	18.07	18.09	17.90				
30	QPSK	50	24	18.20	18.03	17.81				
30	QPSK	50	50	17.99	18.05	17.73			19	0
30	QPSK	100	0	18.05	18.08	17.83				
30	ISDM	1	49	18.03	18.07	17.88			19	0
30	ISDM	1	99	17.94	18.05	17.75				
30	ISDM	50	0	18.20	18.03	17.81				
30	ISDM	50	24	18.03	18.05	17.83			19	0
30	ISDM	50	50	18.03	17.95	17.87				
30	ISDM	100	0	18.20	17.94	17.76				
30	ISDM	1	0	18.03	18.04	17.83				
30	ISDM	1	49	17.86	18.00	17.79			19	0
30	ISDM	1	99	18.02	18.00	17.82				
30	ISDM	50	0	17.94	18.02	17.80				
30	ISDM	50	24	17.90	18.00	17.75			19	0
30	ISDM	50	50	17.86	18.06	17.85				
30	ISDM	100	0	18.09	17.97	17.84				
Channel										
Frequency (MHz)										
15	QPSK	1	0	17.89	18.02	18.05				
15	QPSK	1	37	17.81	17.81	17.89			19	0
15	QPSK	1	74	17.88	17.91	17.81				
15	QPSK	38	0	17.88	17.77	17.84				
15	QPSK	38	20	17.90	17.96	17.94			19	0
15	ISDM	1	0	17.89	17.85	17.88				
15	ISDM	1	37	17.89	17.89	17.99				
15	ISDM	1	74	17.78	17.79	17.84				
15	ISDM	38	0	17.82	17.93	17.93			19	0
15	ISDM	38	39	17.80	17.91	17.86				
15	ISDM	38	79	17.80	17.79	17.79			19	0
15	ISDM	75	0	17.80	17.94	17.76				
15	ISDM	1	0	17.86	17.84	17.80				
15	ISDM	1	37	17.88	17.91	17.79			19	0
15	ISDM	1	74	17.88	17.96	17.86				
15	ISDM	38	0	17.92	17.93	17.88				
15	ISDM	38	39	17.86	17.92	17.81			19	0
15	ISDM	38	79	17.86	17.92	17.81				
15	ISDM	75	0	17.84	17.88	17.83				
Channel										
Frequency (MHz)										
3	QPSK	1	0	17.81	18.01	18.05				
3	QPSK	1	25	17.87	17.92	17.89			19	0
3	QPSK	1	49	17.80	17.88	17.89				
3	QPSK	25	0	17.80	17.88	17.82				
3	QPSK	25	12	17.87	17.87	17.90			19	0
3	QPSK	25	25	17.87	17.96	17.91				
3	QPSK	50	0	17.81	17.90	17.87				
3	ISDM	1	0	17.86	17.79	17.85				
3	ISDM	1	25	17.86	17.94	17.86			19	0
3	ISDM	1	49	17.89	17.85	17.86				
3	ISDM	25	0	17.96	17.89	17.86				
3	ISDM	25	12	17.86	17.99	17.94			19	0
3	ISDM	25	25	17.84	17.78	17.80				
3	ISDM	50	0	17.80	17.87	17.85				
3	ISDM	1	0	17.88	17.84	17.80			19	0
3	ISDM	1	49	17.90	17.83	17.80				
3	ISDM	1	99	17.80	17.87	17.86				
3	ISDM	25	12	17.87	17.87	17.84			19	0
3	ISDM	25	25	17.87	17.93	1				



Band 26_Ant 0 (DS18)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq	Power H / Freq	Power L / Freq	Turn-up limit (dB)	MFR (dB)		
Channel										
Frequency (MHz)										
15	QPSK	1	0	23.80	23.80	23.83			25	0
15	QPSK	1	37	23.81	23.83	23.81				
15	QPSK	1	74	23.86	23.88	23.84				
15	QPSK	36	0	23.93	23.95	23.99				
15	QPSK	36	20	23.90	23.92	23.95				
15	QPSK	36	39	23.91	23.92	23.84			24	1
15	QPSK	75	0	23.85	23.87	23.81				
15	QPSK	15	0	23.11	23.13	23.08				
15	HQAM	1	37	23.29	23.19	23.15			24	1
15	HQAM	1	74	23.36	23.24	23.00				
15	HQAM	15	0	23.11	23.13	23.08				
15	HQAM	36	20	23.91	23.81	23.75				
15	HQAM	36	39	23.87	23.91	23.84			23	2
15	HQAM	75	0	23.87	23.89	23.86				
15	HQAM	15	0	23.11	23.13	23.08				
15	HQAM	1	37	23.24	23.04	23.14			23	2
15	HQAM	1	74	23.36	23.04	23.14				
15	HQAM	36	20	23.96	23.94	23.91				
15	HQAM	36	39	23.93	23.95	23.95				
15	HQAM	75	0	23.91	23.92	23.85			22	3
15	HQAM	15	0	23.07	23.09	23.02				
15	HQAM	1	0	23.59	23.59	23.58				
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.70	23.74	23.82				
10	QPSK	1	25	23.68	23.72	23.75			25	0
10	QPSK	1	49	23.91	23.93	23.91				
10	QPSK	25	0	23.91	23.92	23.84				
10	QPSK	25	12	23.81	23.83	23.83				
10	QPSK	25	25	23.80	23.82	23.81				
10	QPSK	50	0	23.75	23.80	23.78			24	1
10	HQAM	1	0	23.58	23.14	23.02				
10	HQAM	15	0	23.08	23.06	23.06				
10	HQAM	1	49	23.95	23.81	23.98			24	1
10	HQAM	25	0	23.87	23.89	23.88				
10	HQAM	25	12	23.84	23.81	23.71				
10	HQAM	25	25	23.72	23.84	23.91			23	2
10	HQAM	50	0	23.68	23.71	23.75				
10	HQAM	1	49	23.95	23.81	23.98				
10	HQAM	15	0	23.08	23.06	23.06				
10	HQAM	1	49	23.95	23.81	23.98			23	2
10	HQAM	25	0	23.87	23.89	23.88				
10	HQAM	25	12	23.84	23.81	23.71				
10	HQAM	25	25	23.72	23.84	23.91				
10	HQAM	50	0	23.68	23.71	23.75				
10	HQAM	1	49	23.95	23.81	23.98			23	2
10	HQAM	15	0	23.08	23.06	23.06				
10	HQAM	1	49	23.95	23.81	23.98				
10	HQAM	25	0	23.87	23.89	23.88			22	3
10	HQAM	25	12	23.84	23.81	23.71				
10	HQAM	25	25	23.72	23.84	23.91				
10	HQAM	50	0	23.68	23.71	23.75				
10	HQAM	1	49	23.95	23.81	23.98				
10	HQAM	15	0	23.08	23.06	23.06				
10	HQAM	1	49	23.95	23.81	23.98			22	3
10	HQAM	25	0	23.87	23.89	23.88				
10	HQAM	25	12	23.84	23.81	23.71				
10	HQAM	25	25	23.72	23.84	23.91				
10	HQAM	50	0	23.68	23.71	23.75				
10	HQAM	1	49	23.95	23.81	23.98				
10	HQAM	15	0	23.08	23.06	23.06				
10	HQAM	1	49	23.95	23.81	23.98			22	3
10	HQAM	25	0	23.87	23.89	23.88				
10	HQAM	25	12	23.84	23.81	23.71				
10	HQAM	25	25	23.72	23.84	23.91				
10	HQAM	50	0	23.68	23.71	23.75				
10	HQAM	1	49	23.95	23.81	23.98				
10	HQAM	15	0	23.08	23.06	23.06				
10	HQAM	1	49	23.95	23.81	23.98			22	3
10	HQAM	25	0	23.87	23.89	23.88				
10	HQAM	25	12	23.84	23.81	23.71				
10	HQAM	25	25	23.72	23.84	23.91				
10	HQAM	50	0	23.68	23.71	23.75				
10	HQAM	1	49	23.95	23.81	23.98				
10	HQAM	15	0	23.08	23.06	23.06				
10	HQAM	1	49	23.95	23.81	23.98			22	3
10	HQAM	25	0	23.87	23.89	23.88				
10	HQAM	25	12	23.84	23.81	23.71				
10	HQAM	25	25	23.72	23.84	23.91				
10	HQAM	50	0	23.68	23.71	23.75				
10	HQAM	1	49	23.95	23.81	23.98				
10	HQAM	15	0	23.08	23.06	23.06				
10	HQAM	1	49	23.95	23.81	23.98			22	3
10	HQAM	25	0	23.87	23.89	23.88				
10	HQAM	25	12	23.84	23.81	23.71				
10	HQAM	25	25	23.72	23.84	23.91				
10	HQAM	50	0	23.68	23.71	23.75				
10	HQAM	1	49	23.95	23.81	23.98				
10	HQAM	15	0	23.08	23.06	23.06				
10	HQAM	1	49	23.95	23.81	23.98			22	3
10	HQAM	25	0	23.87	23.89	23.88				
10	HQAM	25	12	23.84	23.81	23.71				
10	HQAM	25	25	23.72	23.84	23.91				
10	HQAM	50	0	23.68	23.71	23.75				
10	HQAM	1	49	23.95	23.81	23.98				
10	HQAM	15	0	23.08	23.06	23.06				
10	HQAM	1	49	23.95	23.81	23.98			22	3
10	HQAM	25	0	23.87	23.89	23.88				
10	HQAM	25	12	23.84	23.81	23.71				
10	HQAM	25	25	23.72	23.84	23.91				
10	HQAM	50	0	23.68	23.71	23.75				
10	HQAM	1	49	23.95	23.81	23.98				
10	HQAM	15	0	23.08	23.06	23.06				
10	HQAM	1	49	23.95	23.81	23.98			22	3
10	HQAM	25	0	23.87	23.89	23.88				
10	HQAM	25	12	23.84	23.81	23.71				
10	HQAM	25	25	23.72	23.84	23.91				
10	HQAM	50	0	23.68	23.71	23.75				
10	HQAM	1	49	23.95	23.81	23.98				
10	HQAM	15	0	23.08	23.06	23.06				
10	HQAM	1	49	23.95	23.81	23.98			22	3
10	HQAM	25	0	23.87	23.89	23.88				
10	HQAM	25	12	23.84	23.81	23.71				
10	HQAM	25	25	23.72	23.84	23.91				
10	HQAM	50	0	23.68	23.71	23.75				
10	HQAM	1	49	23.95	23.81	23.98				
10	HQAM	15	0	23.08	23.06	23.06				
10	HQAM	1	49	23.95	23.81	23.98			22	3
10	HQAM	25	0	23.87	23.89	23.88				
10	HQAM	25	12	23.84	23.81	23.71				
10	HQAM	25	25	23.72	23.84	23.91				
10	HQAM	50	0	23.68	23.71	23.75				
10	HQAM	1	49	23.95	23.81	23.98				
10	HQAM	15	0	23.08	23.06	23.06				
10	HQAM	1	49	23.95	23.81	23.98			22	3
10	HQAM	25	0	23.87	23.89	23.88				
10	HQAM	25	12	23.84	23.81	23.71				
10	HQAM	25	25	23.72	23.84	23.91				
10	HQAM	50	0	23.68	23.71	23.75				
10	HQAM	1	49	23.95	23.81	23.98				
10	HQAM	15	0	23.08	23.06	23.06				
10	HQAM	1	49	23.95	23.81	23.98			22	3
10	HQAM	25	0	23.87	23.89	23.88				</



Band 38_Ant 3 (DS118)									
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									
37850 38000 38150									
Frequency (MHz)									
20	QPSK	1	0	18.54	18.52	18.53			
20	QPSK	1	49	18.51	18.53	18.59	19.5	0	
20	QPSK	1	99	18.52	18.53	18.59			
20	QPSK	50	0	18.35	18.45	18.24			
20	QPSK	50	24	18.35	18.56	18.35	19.5	0	
20	QPSK	50	51	18.42	18.37	18.27			
20	QPSK	100	0	18.42	18.53	18.30			
20	16QAM	1	0	18.39	18.36	18.18			
20	16QAM	1	49	18.32	18.44	18.33	19.5	0	
20	16QAM	1	99	18.42	18.45	18.33			
20	16QAM	50	0	18.33	18.44	18.25			
20	16QAM	50	24	18.33	18.40	18.24	19.5	0	
20	16QAM	50	50	18.42	18.48	18.29			
20	16QAM	100	0	18.44	18.51	18.31			
20	16QAM	1	0	18.42	18.51	18.25			
20	16QAM	1	49	18.48	18.36	18.31	19.5	0	
20	16QAM	1	99	18.32	18.44	18.33			
20	16QAM	50	0	18.51	18.51	18.33			
20	16QAM	50	24	18.49	18.42	18.32	19.5	0	
20	16QAM	50	50	18.44	18.39	18.29			
20	16QAM	100	0	18.51	18.39	18.20			
Channel									
37925 38000 38175									
Frequency (MHz)									
15	QPSK	1	0	18.44	18.49	18.50			
15	QPSK	1	37	18.57	18.40	18.38	19.5	0	
15	QPSK	1	74	18.55	18.55	18.45			
15	QPSK	36	0	18.25	18.23	18.21			
15	QPSK	36	20	18.42	18.39	18.39	19.5	0	
15	QPSK	36	39	18.31	18.30	18.39			
15	QPSK	75	0	18.48	18.41	18.43			
15	16QAM	1	0	18.39	18.38	18.30			
15	16QAM	1	37	18.50	18.51	18.45	19.5	0	
15	16QAM	1	74	18.35	18.29	18.30			
15	16QAM	36	0	18.41	18.51	18.46			
15	16QAM	36	20	18.43	18.45	18.35	19.5	0	
15	16QAM	36	39	18.31	18.40	18.39			
15	16QAM	75	0	18.31	18.40	18.39			
15	16QAM	1	0	18.39	18.38	18.37			
15	16QAM	1	37	18.52	18.44	18.40	19.5	0	
15	16QAM	1	74	18.35	18.29	18.34			
15	16QAM	36	0	18.41	18.41	18.47			
15	16QAM	36	20	18.40	18.47	18.39	19.5	0	
15	16QAM	36	39	18.41	18.43	18.49			
15	16QAM	75	0	18.44	18.46	18.47			
Channel									
37978 38000 38225									
Frequency (MHz)									
5	QPSK	1	0	18.52	18.48	18.42			
5	QPSK	1	25	18.42	18.44	18.44	19.5	0	
5	QPSK	1	49	18.43	18.42	18.44			
5	QPSK	25	0	18.26	18.24	18.20			
5	QPSK	25	12	18.40	18.53	18.54	19.5	0	
5	QPSK	25	25	18.41	18.41	18.38			
5	QPSK	50	0	18.32	18.40	18.45			
5	16QAM	1	0	18.35	18.30	18.24			
5	16QAM	1	25	18.47	18.48	18.43	19.5	0	
5	16QAM	1	49	18.24	18.41	18.39			
5	16QAM	25	0	18.51	18.51	18.49			
5	16QAM	25	12	18.48	18.49	18.46	19.5	0	
5	16QAM	25	25	18.31	18.27	18.28			
5	16QAM	50	0	18.33	18.31	18.43			
5	16QAM	1	0	18.34	18.36	18.38			
5	16QAM	1	25	18.37	18.42	18.36	19.5	0	
5	16QAM	1	49	18.35	18.36	18.36			
5	16QAM	25	0	18.44	18.43	18.46			
5	16QAM	25	12	18.41	18.46	18.45	19.5	0	
5	16QAM	25	25	18.38	18.41	18.35			
5	16QAM	50	0	18.40	18.50	18.49			
Channel									
37778 38000 38225									
Frequency (MHz)									
5	QPSK	1	0	18.52	18.48	18.42			
5	QPSK	1	12	18.42	18.42	18.43	19.5	0	
5	QPSK	1	24	18.40	18.40	18.39			
5	QPSK	12	0	18.25	18.22	18.24			
5	QPSK	12	7	18.40	18.40	18.47	19.5	0	
5	QPSK	12	19	18.31	18.35	18.31			
5	QPSK	25	0	18.44	18.47	18.44			
5	16QAM	1	0	18.37	18.28	18.37			
5	16QAM	1	12	18.40	18.30	18.45	19.5	0	
5	16QAM	1	24	18.28	18.28	18.39			
5	16QAM	12	0	18.45	18.48	18.46			
5	16QAM	12	7	18.44	18.40	18.47	19.5	0	
5	16QAM	12	13	18.31	18.28	18.31			
5	16QAM	25	0	18.41	18.33	18.30			
5	16QAM	1	0	18.37	18.41	18.27	19.5	0	
5	16QAM	1	12	18.40	18.36	18.35			
5	16QAM	1	24	18.27	18.34	18.24			
5	16QAM	12	0	18.42	18.46	18.42	19.5	0	
5	16QAM	12	7	18.42	18.46	18.42			
5	16QAM	12	13	18.43	18.34	18.42			
5	16QAM	25	0	18.47	18.45	18.44			

Band 38_Ant 4 (DS118)									
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									
37850 38000 38150									
Frequency (MHz)									
20	QPSK	1	0	23.45	23.45	23.70			
20	QPSK	1	49	23.49	23.52	23.62	24.5	0	
20	QPSK	1	99	23.30	23.75	23.72			
20	QPSK	50	0	22.48	22.52	22.53			
20	QPSK	50	24	22.61	22.62	22.35	23.5	1	
20	QPSK	50	50	22.80	22.81	22.82			
20	QPSK	100	0	22.62	22.65	22.37			
20	16QAM	1	0	22.59	22.80	22.99			
20	16QAM	1	49	22.97	22.81	22.82	23.5	1	
20	16QAM	1	99	22.58	22.85	22.85			
20	16QAM	50	0	21.42	21.56	21.38			
20	16QAM	50	24	21.61	21.61	21.32	22.5	2	
20	16QAM	50	50	21.64	21.61	21.73			
20	16QAM	100	0	21.40	21.59	21.59			
20	16QAM	1	0	21.74	21.63	21.50			
20	16QAM	1	49	21.90	21.97	21.81	22.5	2	
20	16QAM	1	99	21.74	21.68	21.56			
20	16QAM	50	0	20.51	20.55	20.43			
20	16QAM	50	24	20.60	20.53	20.63	21.5	3	
20	16QAM	50	50	20.75	20.65	20.68			
20	16QAM	100	0	20.54	20.56	20.56			
Channel									
37925 38000 38175									
Frequency (MHz)									
15	QPSK	1	0	23.38	23.32	23.55			
15	QPSK	1	37	23.49	23.69	23.56	24.5	0	
15	QPSK	1	74	23.48	23.48	23.58			
15	QPSK	36	0	22.58	22.52	22.58			
15	QPSK	36	20	22.46	22.53	22.53	19.5	1	
15	QPSK	36	39	22.50	22.61	22.62			
15	QPSK	75	0	22.54	22.45	22.87			
15	16QAM	1	0	22.61	22.65	21.78			
15	16QAM	1	37	22.88	23.03	22.90	19.5	1	
15	16QAM	1	74	22.66	22.76	22.79			
15	16QAM	36	0	21.61	21.69	21.49			
15	16QAM	36	20	21.74	21.64	21.78	22.5	2	
15	16QAM	36	39	21.88	21.87	21.83			
15	16QAM	75	0	21.65	21.67	21.63			
15	16QAM	1	0	21.44	21.50	21.84			
15	16QAM	1	37	21.65	21.65	21.78	22.5	2	
15	16QAM	1	74	21.65	21.56	21.59			
15	16QAM	36	0	20.55	20.57	20.49			
15	16QAM	36	20	20.68	20.61	20.77	21.5	3	
15	16QAM	36	39	20.54	20.61	20.38			
15	16QAM	75	0	20.61	20.52	20.60			
Channel									
37978 38000 38225									
Frequency (MHz)									
10	QPSK	1	0	23.63	23.65	23.67			
10	QPSK	1	35	23.69	23.65	23.62	24.5	0	
10	QPSK	1	49	23.65	23.65	23.62			
10	QPSK	25	0	22.30	22.65	22.59			
10	QPSK	25	12	22.71	22.65	22.71	23.5	1	
10	QPSK	25	25	22.67	22.74	22.74			
10	QPSK	50	0	22.62	22.71	22.71			
10	16QAM	1	0	23.01	22.98	23.08			
10	16QAM	1	25	23.12	23.11	23.04	23.5	1	
10	16QAM	1	49	22.98	22.81	22.94			
10	16QAM	25	0	21.70	21.69	21.65			
10	16QAM	25	12	21.87	21.78	21.72	22.5	2	
10	16QAM	25	25	21.78	21.74	21.86			
10	16QAM	50	0	21.71	21.74	21.68			
10	16QAM	1	0	21.60	21.74	21.69			
10	16QAM	1	25	21.85	22.03	22.10	22.5	2	
10	16QAM	1	49	22.15	22.15	21.87			
10	16QAM	25	0	20.61	20.68	20.58			
10	16QAM	25	12	20.68	20.68	20.65	21.5	3	
10	16QAM	25	25	20.78	20.70	20.82			
10	16QAM	50	0	20.70	20.63	20.74			
Channel									
37778 38000 38225									
Frequency (MHz)									
5	QPSK	1	0	23.50	23.50	23.63			



Band 41 HPUe_Ant 3 (DS118)

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (Low Ch / Freq), Power (Mid Ch / Freq), Power (High Ch / Freq), Power (Low Ch / Freq), Power (Mid Ch / Freq), Power (High Ch / Freq), Tune-up limit (dBm), MPR (dB). Includes sub-headers for Channel and Frequency (MHz).

Band 41_Ant 4 (DS118)

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (Low Ch / Freq), Power (Mid Ch / Freq), Power (High Ch / Freq), Power (Low Ch / Freq), Power (Mid Ch / Freq), Power (High Ch / Freq), Tune-up limit (dBm), MPR (dB). Includes sub-headers for Channel and Frequency (MHz).

Band 41 HPUe_Ant 4 (DS118)

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (Low Ch / Freq), Power (Mid Ch / Freq), Power (High Ch / Freq), Power (Low Ch / Freq), Power (Mid Ch / Freq), Power (High Ch / Freq), Tune-up limit (dBm), MPR (dB). Includes sub-headers for Channel and Frequency (MHz).



Reduced Power for receiver off/Hotspot

GSM850_Ant 0		Burst Average Power (dBm)			Frame-Average Power (dBm)			Tune-up			
TX Channel	Frequency (MHz)	128	199	251	128	199	251	Limit (dBm)	128	199	251
GSM 1 Tx slot	32.39	32.28	32.13	33.50	23.39	23.28	23.13	24.50			
GPRS 1 Tx slot	32.50	32.25	32.15	33.50	23.50	23.25	23.15	24.50			
GPRS 2 Tx slots	30.18	29.92	30.58	31.50	24.18	23.92	24.58	25.50			
GPRS 3 Tx slots	28.76	29.34	29.18	30.50	24.50	25.08	24.92	26.24			
GPRS 4 Tx slots	27.18	27.67	27.49	29.00	24.18	24.67	24.49	26.00			
EDGE(GMSK 1 Tx slot)	32.45	32.22	32.11	33.50	23.45	23.22	23.11	24.50			
EDGE(GMSK 2 Tx slots)	30.20	29.93	30.55	31.50	24.20	23.93	24.55	25.50			
EDGE(GMSK 3 Tx slots)	28.75	29.27	29.15	30.50	24.49	25.01	24.89	26.24			
EDGE(GMSK 4 Tx slots)	27.26	27.66	27.47	29.00	24.26	24.66	24.47	26.00			
EDGE 1 Tx slot	26.87	26.83	26.76	26.00	17.87	17.83	17.76	19.00			
EDGE 2 Tx slots	24.24	24.12	24.19	25.50	18.24	18.12	18.19	19.50			
EDGE 3 Tx slots	23.03	23.05	22.91	24.50	18.77	18.79	18.65	20.24			
EDGE 4 Tx slots	22.24	22.27	22.17	24.00	19.24	19.27	19.17	21.00			
DTM Multi-slot class 5	GSM 1 Tx slot	30.13	29.88	30.42	31.50	24.10	23.84	24.46	25.48		
	GPRS 1 Tx slot	30.12	29.85	30.54	31.50						
DTM Multi-slot class 9	GSM 1 Tx slot	30.07	29.87	30.54	31.50	24.02	23.83	24.48	25.48		
	GPRS 1 Tx slot	30.01	29.84	30.46	31.50						
DTM Multi-slot class 11	GSM 1 Tx slot	28.61	29.26	29.03	30.50	24.36	24.95	24.80	26.24		
	GPRS 2 Tx slots	28.62	29.19	29.07	30.50						
DTM Multi-slot class 5	GSM 1 Tx slot	30.17	29.97	30.49	31.50	22.07	21.87	22.32	23.44		
	EDGE 1 Tx slot	23.97	23.74	23.38	25.50						
DTM Multi-slot class 9	GSM 1 Tx slot	30.27	29.90	30.85	31.50	22.14	21.83	22.45	23.44		
	EDGE 1 Tx slot	23.91	23.84	23.90	25.50						
DTM Multi-slot class 11	GSM 1 Tx slot	28.74	29.26	29.23	30.50	21.47	21.83	21.77	23.24		
	EDGE 2 Tx slots	22.72	22.74	22.62	24.50						

GSM1900_Ant 3		Burst Average Power (dBm)			Frame-Average Power (dBm)			Tune-up			
TX Channel	Frequency (MHz)	512	851	810	512	851	810	Limit (dBm)	512	851	810
GSM 1 Tx slot	1850.2	1880	1909.8	29.50	19.63	19.62	19.22	20.50			
GPRS 1 Tx slot	28.66	28.58	28.28	29.50	19.66	19.58	19.28	20.50			
GPRS 2 Tx slots	26.92	26.39	26.21	27.00	20.92	20.39	20.21	21.00			
GPRS 3 Tx slots	25.78	25.28	25.14	26.00	21.52	21.02	20.88	21.74			
GPRS 4 Tx slots	24.56	24.39	23.99	25.00	21.56	21.39	20.99	22.00			
EDGE(GMSK 1 Tx slot)	28.97	28.66	28.24	29.50	19.67	19.61	19.31	20.50			
EDGE(GMSK 2 Tx slots)	26.92	26.43	26.25	27.00	20.92	20.43	20.25	21.00			
EDGE(GMSK 3 Tx slots)	25.85	25.33	25.10	26.00	21.59	21.07	20.84	21.74			
EDGE(GMSK 4 Tx slots)	24.49	24.32	23.94	25.00	21.49	21.32	20.94	22.00			
EDGE 1 Tx slot	25.05	24.96	24.95	26.00	16.05	15.96	15.95	17.00			
EDGE 2 Tx slots	23.55	23.44	23.07	24.50	17.55	17.44	17.07	18.50			
EDGE 3 Tx slots	20.80	20.77	20.61	22.00	16.54	16.51	16.35	17.74			
EDGE 4 Tx slots	20.02	20.06	19.88	21.50	17.02	17.06	16.99	18.00			
DTM Multi-slot class 5	GSM 1 Tx slot	26.80	26.38	26.10	27.00	20.78	20.28	20.08	20.98		
	GPRS 1 Tx slot	26.81	26.22	26.10	27.00						
DTM Multi-slot class 9	GSM 1 Tx slot	26.87	26.25	26.23	27.00	20.85	20.23	20.16	20.98		
	GPRS 1 Tx slot	26.87	26.25	26.13	27.00						
DTM Multi-slot class 11	GSM 1 Tx slot	25.87	25.30	25.24	26.00	21.62	21.01	20.96	21.74		
	GPRS 2 Tx slots	25.88	25.26	25.21	26.00						
DTM Multi-slot class 5	GSM 1 Tx slot	27.01	26.46	26.24	27.50	19.50	19.06	18.80	19.91		
	EDGE 1 Tx slot	23.25	23.06	22.70	24.50						
DTM Multi-slot class 9	GSM 1 Tx slot	26.90	26.47	26.24	27.00	19.41	19.08	18.82	19.91		
	EDGE 1 Tx slot	23.20	23.08	22.76	24.50						
DTM Multi-slot class 11	GSM 1 Tx slot	25.92	25.35	25.05	26.00	18.84	18.51	18.24	19.51		
	EDGE 2 Tx slots	20.45	20.51	20.28	22.00						

Band	TX Channel	Rx Channel	Frequency (MHz)	WCDMA IV_Ant 3	WCDMA IV_Ant 4	Tune-up Limit (dBm)			
3GPP Rel 99	AMR 12.2Kbps	9262	9400	9538	9262	9400	9538	25.00	
	RMC 12.2Kbps	9662	9800	9938	9662	9800	9938	22.00	
3GPP Rel 6	HSDPA Subtest-1	1852.4	1880	1907.6	1852.4	1880	1907.6	20.00	
	HSDPA Subtest-2	19.71	19.75	19.64	20.50	21.68	21.77	21.66	22.00
3GPP Rel 6	HSDPA Subtest-3	18.96	18.98	18.62	19.50	20.24	20.26	20.16	21.00
	HSDPA Subtest-4	18.97	18.96	18.97	19.50	20.20	20.22	20.15	21.00
3GPP Rel 8	DC-HSDPA Subtest-1	18.48	18.47	18.47	19.00	19.75	19.75	19.65	20.50
	DC-HSDPA Subtest-2	18.44	18.50	18.38	19.00	19.75	19.75	19.59	20.50
3GPP Rel 8	DC-HSDPA Subtest-3	18.98	18.95	18.93	19.50	20.39	20.54	20.38	21.00
	DC-HSDPA Subtest-4	18.97	18.92	18.95	19.50	20.35	20.55	20.41	21.00
3GPP Rel 8	DC-HSDPA Subtest-5	18.51	18.50	18.43	19.00	19.85	20.04	19.79	20.50
	DC-HSDPA Subtest-6	18.46	18.42	18.40	19.00	19.89	20.05	19.92	20.50
3GPP Rel 6	HSUPA Subtest-1	18.87	18.94	18.94	19.50	18.98	19.03	19.00	21.00
	HSUPA Subtest-2	16.91	16.96	16.95	17.50	17.04	17.00	17.02	19.00
3GPP Rel 6	HSUPA Subtest-3	17.91	17.94	17.95	18.50	18.02	17.98	18.00	20.00
	HSUPA Subtest-4	16.93	16.96	16.95	17.50	17.03	17.09	16.98	19.00
3GPP Rel 6	HSUPA Subtest-5	18.90	19.00	18.90	19.50	18.08	19.17	19.00	21.00

Band	TX Channel	Rx Channel	Frequency (MHz)	WCDMA IV_Ant 0	WCDMA IV_Ant 1	Tune-up Limit (dBm)			
3GPP Rel 99	AMR 12.2Kbps	4132	4182	4233	4132	4182	4233	25.00	
	RMC 12.2Kbps	4357	4407	4458	4357	4407	4458	24.00	
3GPP Rel 6	HSDPA Subtest-1	826.4	836.4	846.6	826.4	836.4	846.6	20.00	
	HSDPA Subtest-2	24.26	24.25	24.23	25.00	24.34	24.30	24.35	25.00
3GPP Rel 6	HSDPA Subtest-3	24.24	24.27	24.21	25.00	24.31	24.36	24.32	25.00
	HSDPA Subtest-4	23.21	23.23	23.15	24.00	23.11	23.28	23.15	24.00
3GPP Rel 6	HSDPA Subtest-5	23.26	23.20	23.11	24.00	23.15	23.27	23.22	24.00
	HSDPA Subtest-6	22.75	22.76	22.78	23.50	22.72	22.76	22.81	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.71	22.70	22.71	23.50	22.74	22.78	22.70	23.50
	DC-HSDPA Subtest-2	23.41	23.45	23.39	24.00	23.15	23.39	23.18	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	23.48	23.43	23.45	24.00	23.12	23.34	23.29	24.00
	DC-HSDPA Subtest-4	23.05	23.03	22.85	23.50	22.71	22.95	22.74	23.50
3GPP Rel 6	HSUPA Subtest-1	22.96	22.91	22.91	23.50	22.83	22.97	22.81	23.50
	HSUPA Subtest-2	22.80	22.41	22.47	24.00	23.15	23.19	23.05	24.00
3GPP Rel 6	HSUPA Subtest-3	20.43	20.37	20.55	22.00	21.05	21.14	21.00	22.00
	HSUPA Subtest-4	21.57	21.39	21.48	23.00	22.11	22.22	22.14	23.00
3GPP Rel 6	HSUPA Subtest-5	20.57	20.41	20.47	22.00	21.06	21.19	21.04	22.00
	HSUPA Subtest-6	22.56	22.40	22.49	24.00	23.05	23.20	23.05	24.00

GSM850_Ant 1		Burst Average Power (dBm)			Frame-Average Power (dBm)			Tune-up			
TX Channel	Frequency (MHz)	128	199	251	128	199	251	Limit (dBm)	128	199	251
GSM 1 Tx slot	32.42	32.29	32.13	33.50	23.42	23.29	23.13	24.50			
GPRS 1 Tx slot	32.67	32.33	32.27	33.50	23.67	23.33	23.27	24.50			
GPRS 2 Tx slots	30.36	29.99	30.74	31.50	24.36	23.99	24.74	25.50			
GPRS 3 Tx slots	28.83	29.41	29.30	30.50	24.57	25.15	25.04	26.24			
GPRS 4 Tx slots	27.27	27.77	27.67	29.00	24.27	24.77	24.67	26.00			
EDGE(GMSK 1 Tx slot)	32.51	32.31	32.27	33.50	23.51	23.31	23.27	24.50			
EDGE(GMSK 2 Tx slots)	30.26	29.93	30.77	31.50	24.26	23.93	24.77	25.50			
EDGE(GMSK 3 Tx slots)	28.83	29.44	29.33	30.50	24.57	25.18	25.07	26.24			
EDGE(GMSK 4 Tx slots)	27.30	27.79	27.67	29.00	24.30	24.79	24.67	26.00			
EDGE 1 Tx slot	27.16	26.99	27.00	28.00	18.16	17.99	18.00	19.00			
EDGE 2 Tx slots											



Band 2_Ant 3 (DS117)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./F.Freq.	Power Ch./F.Freq.	Power Ch./F.Freq.	Turn-up time (min)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	21.02	21.11	21.09				
20	QPSK	1	49	20.87	20.70	20.81	22	0		
20	QPSK	50	0	20.99	21.03	20.98				
20	QPSK	50	24	20.88	20.98	20.92				
20	QPSK	50	50	20.73	20.80	20.85	22	0		
20	QPSK	100	0	20.73	20.87	20.72				
20	QPSK	100	24	20.82	20.92	20.82				
20	QPSK	100	49	20.87	20.72	20.81	22	0		
20	HQAM	1	0	20.89	20.90	20.80				
20	HQAM	1	49	20.83	20.90	20.85				
20	HQAM	50	24	20.81	20.89	20.77	21	1		
20	HQAM	50	50	20.76	20.86	20.85				
20	HQAM	100	0	20.76	20.86	20.85				
20	HQAM	100	24	20.86	20.82	20.88				
20	HQAM	100	49	20.84	20.85	20.80	21	1		
20	HQAM	1	49	20.83	20.48	20.42				
20	HQAM	50	0	19.44	19.51	19.46				
20	HQAM	50	24	19.54	19.57	19.52				
20	HQAM	50	50	19.56	19.59	19.49	20	2		
20	HQAM	100	0	19.49	19.52	19.43				
Channel										
Frequency (MHz)										
15	QPSK	1	0	21.00	20.97	21.01				
15	QPSK	1	37	20.87	20.91	20.88	22	0		
15	QPSK	1	74	20.87	20.97	20.92				
15	QPSK	36	0	20.89	20.88	20.96				
15	QPSK	36	20	20.90	20.96	20.87	22	0		
15	QPSK	36	50	20.82	20.82	20.78				
15	QPSK	75	0	20.83	20.77	20.81				
15	HQAM	1	0	20.93	20.91	20.88				
15	HQAM	1	37	20.84	20.91	20.87	22	0		
15	HQAM	1	74	20.86	20.88	20.78				
15	HQAM	36	0	19.78	19.81	19.86				
15	HQAM	36	20	19.82	19.76	19.84	21	1		
15	HQAM	36	50	19.78	19.79	19.72				
15	HQAM	75	0	19.76	19.91	19.86				
15	HQAM	75	20	19.83	19.84	19.47				
15	HQAM	1	37	20.43	20.41	20.35	21	1		
15	HQAM	1	74	20.43	20.41	20.35				
15	HQAM	36	0	19.41	19.47	19.42				
15	HQAM	36	20	19.51	19.54	19.50	20	2		
15	HQAM	36	50	19.56	19.59	19.49				
15	HQAM	75	0	19.51	19.44	19.49				
Channel										
Frequency (MHz)										
10	QPSK	1	0	21.00	20.99	21.00				
10	QPSK	1	25	20.88	20.77	20.89	22	0		
10	QPSK	1	49	20.99	20.98	20.82				
10	QPSK	1	74	20.91	20.99	20.90				
10	QPSK	25	12	20.82	20.85	20.89	22	0		
10	QPSK	25	12	20.87	20.77	20.71				
10	QPSK	25	24	20.74	20.82	20.86				
10	HQAM	1	0	20.92	20.86	20.88				
10	HQAM	1	25	20.80	20.98	20.82	22	0		
10	HQAM	1	49	20.92	20.87	20.82				
10	HQAM	1	74	20.96	20.86	20.84				
10	HQAM	25	0	19.76	19.85	19.84				
10	HQAM	25	12	19.86	19.83	19.75	21	1		
10	HQAM	25	24	19.81	19.82	19.70				
10	HQAM	50	0	19.89	19.89	19.81				
10	HQAM	50	12	19.91	19.89	19.81				
10	HQAM	50	24	19.85	19.85	19.82	21	1		
10	HQAM	1	25	20.38	20.35	20.46				
10	HQAM	1	49	20.54	20.87	20.54				
10	HQAM	1	74	20.54	20.87	20.54				
10	HQAM	25	0	19.51	19.49	19.55				
10	HQAM	25	12	19.51	19.50	19.43	20	2		
10	HQAM	25	24	19.46	19.47	19.43				
Channel										
Frequency (MHz)										
5	QPSK	1	0	21.04	21.06	20.87				
5	QPSK	1	12	20.82	20.89	20.82	22	0		
5	QPSK	1	24	20.96	20.87	20.95				
5	QPSK	12	0	20.89	21.01	20.88				
5	QPSK	12	12	20.90	20.86	20.89	22	0		
5	QPSK	12	13	20.73	20.70	20.66				
5	QPSK	25	0	20.84	20.76	20.75				
5	QPSK	25	12	20.83	20.87	20.81	22	0		
5	HQAM	1	0	20.94	20.91	20.87				
5	HQAM	1	12	20.84	20.85	20.57	22	0		
5	HQAM	1	24	20.96	20.92	20.84				
5	HQAM	12	0	19.87	19.85	19.78				
5	HQAM	12	7	19.84	19.78	19.75	21	1		
5	HQAM	12	13	19.87	19.85	19.78				
5	HQAM	25	0	19.90	19.78	19.87				
5	HQAM	1	0	20.47	20.51	20.50				
5	HQAM	1	12	20.46	20.52	20.48	21	1		
5	HQAM	1	24	20.50	20.66	20.63				
5	HQAM	12	0	19.56	19.47	19.48				
5	HQAM	12	7	19.45	19.48	19.45	20	2		
5	HQAM	12	13	19.55	19.52	19.54				
5	HQAM	25	0	19.46	19.47	19.43				
Channel										
Frequency (MHz)										
3	QPSK	1	0	20.96	21.00	21.07				
3	QPSK	1	8	20.86	20.78	20.80	22	0		
3	QPSK	1	14	20.85	20.86	20.59				
3	QPSK	8	0	20.99	21.00	20.95				
3	QPSK	8	4	20.86	20.87	20.87	22	0		
3	QPSK	8	7	20.77	20.78	20.72				
3	QPSK	15	0	20.86	20.96	20.86				
3	HQAM	1	0	20.98	20.98	20.98	22	0		
3	HQAM	1	14	20.92	20.77	20.83				
3	HQAM	8	0	19.76	19.86	19.89				
3	HQAM	8	4	19.75	19.77	19.79	21	1		
3	HQAM	8	7	19.78	19.84	19.73				
3	HQAM	16	0	19.85	19.84	19.82				
3	HQAM	1	0	20.50	20.48	20.48				
3	HQAM	1	8	20.35	20.41	20.44	21	1		
3	HQAM	1	14	20.56	20.54	20.57				
3	HQAM	8	0	19.43	19.50	19.48				
3	HQAM	8	4	19.47	19.54	19.47	20	2		
3	HQAM	8	7	19.48	19.57	19.56				
3	HQAM	15	0	19.42	19.51	19.49				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	21.02	20.96	21.08				
1.4	QPSK	1	3	20.78	20.79	20.51	22	0		
1.4	QPSK	1	5	20.83	20.95	20.86				
1.4	QPSK	1	20.89	20.92	20.95					
1.4	QPSK	3	1	20.92	20.97	20.96				
1.4	QPSK	3	3	20.72	20.74	20.68				
1.4	QPSK	6	0	20.84	20.84	20.78	22	0		
1.4	HQAM	1	0	20.89	20.94	20.85				
1.4	HQAM	1	3	20.44	20.43	20.49	22	0		
1.4	HQAM	1	5	20.77	20.88	20.82				
1.4	HQAM	3	0	20.85	20.89	20.83				
1.4	HQAM	3	3	20.82	20.84	20.88				
1.4	HQAM	3	3	20.72	20.74	20.82				
1.4	HQAM	6	0	19.78	19.85	19.89	21	1		
1.4	HQAM	1	0	20.44	20.43	20.49				
1.4	HQAM	1	5	20.27	20.43	20.39				
1.4	HQAM	1	5	20.56	20.68	20.56	21	1		
1.4	HQAM	3	0	19.46	19.47	19.48				
1.4	HQAM	3	1	20.55	20.53	20.49				
1.4	HQAM	3	3	20.51	20.51	20.55				
1.4	HQAM	6	0	19.46	19.46	19.47	20	2		

Band 2_Ant 4 (DS117)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./F.Freq.	Power Ch./F.Freq.	Power Ch./F.Freq.	Turn-up time (min)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	21.86	22.02	22.01				
20	QPSK	1	49	21.83	21.99	21.80	23	0		
20	QPSK	50	0	21.84	21.97	21.97				
20	QPSK	50	24	21.88	21.93	21.88				
20	QPSK	50	50	21.81	21.92	21.88	23	0		
20	QPSK	100	0	21.89	21.96	21.80				
20	QPSK	100	24	21.92	21.95	21.80				
20	QPSK	100	49	21.86	21.84	21.78				
20	HQAM	1	0	21.83	21.88	21.81				
20	HQAM	1	49	21.83	21.96	21.80				
20	HQAM	50	24	20.97	21.02	20.99				
20	HQAM	50	50	21.00	21.13	20.98				
20	HQAM	100	0	21.02	21.00	20.99				
20	HQAM	100	24	20.89	21.14	20.98				
20	HQAM	100	49	21.02	21.07	21.00				
20	HQAM	50	0	19.44	19.52	19.50				
20	HQAM	50	24	19.40	19.51	19.53	21	2		
20	HQAM	50	50	19.45	19.54	19.48				
20	HQAM	100	0	19.40	19.52	19.43				
Channel										
Frequency (MHz)										
15	QPSK	1	0	21.88	21.88	21.86				
15	QPSK	1	37	21.61	21.81	21.77	22	0		
15	QPSK	1	74	21.83	21.92	21.81				
15	QPSK	36	0	21.84	21.81	21.81				



Band 5_Ant 0 (DSI17)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Hd. / Freq.	Power Ch. / Freq.	Turn-up lim. (dB)	MRR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.81	23.82	23.79			
10	QPSK	1	25	23.74	23.75	23.77	25	0	
10	QPSK	1	49	23.73	23.68	23.68			
10	QPSK	25	0	22.92	22.93	22.88			
10	QPSK	25	12	22.82	22.74	22.83			
10	QPSK	25	25	22.81	22.82	22.74	24	1	
10	QPSK	50	0	22.81	22.82	22.82			
10	QPSK	50	0	22.82	22.78	22.82			
10	ISQAM	1	25	23.84	23.18	23.08	24	1	
10	ISQAM	1	49	23.28	23.25	23.32			
10	ISQAM	1	73	23.18	23.22	23.18			
10	ISQAM	25	12	21.84	21.90	21.90	23	2	
10	ISQAM	25	25	21.81	21.98	21.81			
10	ISQAM	25	0	21.86	21.89	21.81			
10	ISQAM	1	0	21.70	22.17	21.83			
10	ISQAM	1	25	22.16	21.84	22.07	23	2	
10	ISQAM	1	49	22.15	21.83	21.88			
10	ISQAM	25	0	20.88	20.88	20.75			
10	ISQAM	25	12	20.85	20.88	20.79	22	3	
10	ISQAM	25	25	20.77	20.85	20.82			
10	ISQAM	50	0	20.80	20.79	20.84			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.87	23.75	23.87			
5	QPSK	1	12	23.63	23.70	23.65			
5	QPSK	1	24	23.68	23.60	23.65			
5	QPSK	12	0	22.79	22.88	22.81			
5	QPSK	12	7	22.76	22.89	22.79	24	1	
5	QPSK	12	12	22.80	22.74	22.80			
5	QPSK	25	0	22.70	22.72	22.73			
5	ISQAM	1	0	23.18	23.17	23.22			
5	ISQAM	1	24	23.09	23.08	23.08	24	1	
5	ISQAM	12	0	21.80	21.70	21.84			
5	ISQAM	12	7	21.71	21.73	21.78	23	2	
5	ISQAM	12	13	21.76	21.73	21.77			
5	ISQAM	25	0	21.81	21.79	21.88			
5	ISQAM	25	0	21.82	21.76	21.82			
5	ISQAM	1	12	22.09	21.78	21.99	23	2	
5	ISQAM	1	24	22.06	21.79	21.85			
5	ISQAM	12	0	20.83	20.82	20.72			
5	ISQAM	12	7	20.84	20.72	20.69	22	3	
5	ISQAM	12	13	20.77	20.76	20.75			
5	ISQAM	25	0	20.72	20.70	20.74			
Channel									
Frequency (MHz)									
3	QPSK	1	0	23.72	23.81	23.85			
3	QPSK	1	8	23.62	23.78	23.70	25	0	
3	QPSK	1	14	23.69	23.59	23.60			
3	QPSK	8	0	22.77	22.81	22.88			
3	QPSK	8	4	22.74	22.67	22.75	24	1	
3	QPSK	8	7	22.83	22.68	22.68			
3	QPSK	15	0	22.13	22.84	22.67			
3	ISQAM	1	0	23.10	23.05	23.24			
3	ISQAM	1	8	22.93	23.14	22.80	24	1	
3	ISQAM	1	14	23.18	22.88	23.24			
3	ISQAM	8	0	21.74	21.80	21.71			
3	ISQAM	8	4	21.78	21.77	21.75	23	2	
3	ISQAM	8	7	21.71	21.73	21.78			
3	ISQAM	15	0	21.95	21.84	21.72			
3	ISQAM	1	0	21.67	22.09	21.70			
3	ISQAM	1	8	22.03	21.77	21.84	23	2	
3	ISQAM	1	14	22.04	21.79	21.78			
3	ISQAM	8	0	20.84	20.82	20.74			
3	ISQAM	8	4	20.81	20.77	20.77	22	3	
3	ISQAM	8	7	20.74	20.81	20.80			
3	ISQAM	15	0	20.78	20.72	20.79			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	23.71	23.80	23.70			
1.4	QPSK	1	3	23.60	23.66	23.64	25	0	
1.4	QPSK	1	5	23.71	23.63	23.63			
1.4	QPSK	3	0	22.67	22.79	22.75			
1.4	QPSK	3	1	22.68	22.64	22.79			
1.4	QPSK	3	3	22.66	22.81	22.65	24	1	
1.4	ISQAM	1	0	22.79	22.89	22.68			
1.4	ISQAM	1	0	23.18	23.10	23.32			
1.4	ISQAM	1	3	22.91	23.35	22.98	24	1	
1.4	ISQAM	1	5	22.98	22.97	22.99			
1.4	ISQAM	3	0	22.81	22.75	22.75			
1.4	ISQAM	3	1	22.76	22.82	22.88	24	1	
1.4	ISQAM	3	3	22.78	22.79	22.81			
1.4	ISQAM	1	0	21.82	21.84	21.74	23	2	
1.4	ISQAM	1	0	21.87	22.23	21.84			
1.4	ISQAM	3	0	22.21	21.89	21.88	23	2	
1.4	ISQAM	3	0	22.03	21.99	21.86			
1.4	ISQAM	3	1	22.08	21.86	21.88			
1.4	ISQAM	3	3	21.88	22.01	21.82			
1.4	ISQAM	5	0	20.92	20.89	21.02	22	3	

Band 5_Ant 1 (DSI17)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Hd. / Freq.	Power Ch. / Freq.	Turn-up lim. (dB)	MRR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.11	24.18	24.08			
10	QPSK	1	25	24.02	24.17	24.08	25	0	
10	QPSK	1	49	24.09	23.98	24.04			
10	QPSK	25	0	23.23	23.26	23.24			
10	QPSK	25	12	23.21	23.18	23.21			
10	QPSK	25	25	23.14	23.17	23.11	24	1	
10	QPSK	50	0	23.20	23.25	23.15			
10	QPSK	50	0	23.22	23.25	23.22			
10	ISQAM	1	25	23.98	23.43	23.25	24	1	
10	ISQAM	1	49	23.60	23.29	23.46			
10	ISQAM	1	73	23.67	23.29	23.50			
10	ISQAM	25	12	22.22	22.27	22.20	23	2	
10	ISQAM	25	25	22.22	22.23	22.20			
10	ISQAM	50	0	22.23	22.05	22.19	22	3	
10	ISQAM	50	0	22.17	21.23	21.24			
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.04	24.06	24.06			
5	QPSK	1	12	23.69	24.12	23.63	25	0	
5	QPSK	1	24	24.01	23.85	24.00			
5	QPSK	12	0	23.11	23.12	23.23			
5	QPSK	12	7	23.14	23.05	23.17	24	1	
5	QPSK	12	13	23.08	23.09	23.07			
5	QPSK	25	0	23.09	23.22	23.03			
5	ISQAM	1	0	23.63	23.48	23.45			
5	ISQAM	1	12	23.61	23.32	23.33	24	1	
5	ISQAM	1	24	23.57	23.17	23.30			
5	ISQAM	12	0	22.11	22.22	21.98			
5	ISQAM	12	7	22.16	21.16	21.21	23	2	
5	ISQAM	12	13	22.12	22.12	22.01			
5	ISQAM	25	0	22.28	22.02	22.14			
5	ISQAM	25	0	21.87	21.38	21.39			
5	ISQAM	1	12	22.31	22.31	22.24	23	2	
5	ISQAM	1	24	22.28	22.42	22.38			
5	ISQAM	12	0	20.89	21.13	21.13			
5	ISQAM	12	7	21.19	21.10	21.17	22	3	
5	ISQAM	12	13	21.17	21.18	21.23			
5	ISQAM	25	0	21.13	21.14	21.18			
Channel									
Frequency (MHz)									
3	QPSK	1	0	24.01	24.03	23.97			
3	QPSK	1	8	24.01	24.10	23.87	25	0	
3	QPSK	1	14	24.02	23.98	23.96			
3	QPSK	8	0	23.11	23.21	23.17			
3	QPSK	8	4	23.10	23.05	23.11	24	1	
3	QPSK	8	7	23.13	23.07	23.08			
3	QPSK	15	0	23.12	23.13	23.05			
3	ISQAM	1	0	23.81	23.51	23.49			
3	ISQAM	1	8	23.46	23.38	23.23	24	1	
3	ISQAM	1	14	23.58	23.21	23.45			
3	ISQAM	8	0	22.16	22.19	22.20			
3	ISQAM	8	4	22.21	22.16	22.16	23	2	
3	ISQAM	8	7	22.17	22.13	21.98			
3	ISQAM	15	0	22.13	22.06	22.15			
3	ISQAM	1	0	22.03	22.47	22.47			
3	ISQAM	1	8						



Band 12_Ant 0 (DS17)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPE (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.53	23.58	23.46				
10	QPSK	1	25	23.44	23.52	23.43			24.5	0
10	QPSK	1	49	23.43	23.54	23.44				
10	QPSK	25	0	22.88	22.96	22.84				
10	QPSK	25	12	22.82	22.92	22.83				
10	QPSK	25	25	22.87	22.81	22.90			24	0.5
10	QPSK	50	0	22.79	22.89	22.83				
10	HQAM	1	0	22.82	22.92	22.88				
10	HQAM	1	25	22.79	22.82	22.82			24	0.5
10	HQAM	1	49	22.77	22.95	22.79				
10	HQAM	1	73	21.81	21.91	21.80				
10	HQAM	25	12	21.87	21.92	21.88			23	1.5
10	HQAM	25	25	21.79	21.87	21.87				
10	HQAM	50	0	21.82	21.89	21.88				
10	HQAM	1	0	21.81	21.81	21.80			23	1.5
10	HQAM	1	25	21.92	21.91	21.85				
10	HQAM	1	49	21.76	21.85	21.82				
10	HQAM	25	0	20.76	20.90	20.81				
10	HQAM	25	12	20.87	20.82	20.88			22	2.5
10	HQAM	25	25	20.81	20.86	20.80				
10	HQAM	50	0	20.82	20.85	20.86				
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.83	23.84	23.46				
5	QPSK	1	12	23.47	23.42	23.45			24.5	0
5	QPSK	1	24	23.44	23.50	23.43				
5	QPSK	12	0	22.84	22.88	22.84				
5	QPSK	12	7	22.81	22.84	22.81			24	0.5
5	QPSK	12	13	22.87	22.82	22.88				
5	QPSK	25	0	22.78	22.88	22.85				
5	HQAM	1	0	22.83	22.89	22.81				
5	HQAM	1	24	22.79	22.84	22.72			24	0.5
5	HQAM	1	48	21.82	21.88	21.78				
5	HQAM	12	13	21.81	21.84	21.77			23	1.5
5	HQAM	25	0	21.74	21.81	21.81				
5	HQAM	1	0	21.80	21.75	21.73				
5	HQAM	1	12	21.88	21.77	21.80			23	1.5
5	HQAM	12	0	20.89	20.85	20.83				
5	HQAM	12	7	20.81	20.75	20.78			22	2.5
5	HQAM	12	13	20.78	20.78	20.77				
5	HQAM	25	0	20.82	20.82	20.79				
Channel										
Frequency (MHz)										
3	QPSK	1	0	23.53	23.54	23.52				
3	QPSK	1	8	23.38	23.39	23.49			24.5	0
3	QPSK	1	14	23.41	23.44	23.53				
3	QPSK	8	0	22.83	22.89	22.85				
3	QPSK	8	4	22.78	22.80	22.85			24	0.5
3	QPSK	8	7	22.87	22.72	22.86				
3	QPSK	15	0	22.79	22.78	22.78				
3	HQAM	1	0	22.78	22.92	22.80				
3	HQAM	1	8	22.73	22.74	22.61			24	0.5
3	HQAM	1	14	22.82	22.91	22.82				
3	HQAM	8	0	21.78	21.78	21.78				
3	HQAM	8	4	21.78	21.88	21.81			23	1.5
3	HQAM	8	7	21.77	21.80	21.77				
3	HQAM	15	0	21.83	21.73	21.79				
3	HQAM	1	0	21.74	21.67	21.74				
3	HQAM	1	8	21.80	21.78	21.80			23	1.5
3	HQAM	1	14	21.76	21.84	21.73				
3	HQAM	8	0	20.87	20.83	20.88				
3	HQAM	8	4	20.77	20.81	20.79			22	2.5
3	HQAM	8	7	20.77	20.78	20.79				
3	HQAM	15	0	20.76	20.84	20.83				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	23.96	23.46	23.46				
1.4	QPSK	1	3	23.48	23.42	23.45			24.5	0
1.4	QPSK	1	5	23.50	23.42	23.46				
1.4	QPSK	3	0	22.80	22.86	22.81				
1.4	QPSK	3	1	22.79	22.88	22.79				
1.4	QPSK	3	3	22.73	22.79	22.80				
1.4	QPSK	6	0	22.88	22.94	22.80			24	0.5
1.4	HQAM	1	0	22.88	22.78	22.88				
1.4	HQAM	1	3	22.89	22.77	22.73				
1.4	HQAM	1	5	22.80	22.86	22.81			24	0.5
1.4	HQAM	3	0	22.80	22.78	22.85				
1.4	HQAM	3	1	22.81	22.87	22.86				
1.4	HQAM	3	3	22.86	22.94	22.85				
1.4	HQAM	6	0	21.77	21.77	21.74			23	1.5
1.4	HQAM	1	0	21.75	21.75	21.75				
1.4	HQAM	1	3	21.84	21.89	21.80				
1.4	HQAM	1	5	21.81	21.74	21.84			23	1.5
1.4	HQAM	3	0	21.83	21.80	21.86				
1.4	HQAM	3	1	21.76	21.79	21.79				
1.4	HQAM	3	3	21.80	21.80	21.83				
1.4	HQAM	6	0	20.88	20.78	20.77			22	2.5

Band 12_Ant 1 (DS17)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPE (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.09	24.24	24.10				
10	QPSK	1	25	24.03	24.02	24.03			25	0
10	QPSK	1	49	24.03	24.02	24.01				
10	QPSK	25	0	23.16	23.18	23.14				
10	QPSK	25	12	23.11	23.17	23.08				
10	QPSK	25	25	23.14	23.16	23.12			24	1
10	QPSK	50	0	23.11	23.15	23.12				
10	HQAM	1	0	23.09	23.03	23.05				
10	HQAM	1	25	23.07	23.11	23.08			24	1
10	HQAM	1	49	23.73	23.57	23.65				
10	HQAM	1	73	22.32	22.19	22.12				
10	HQAM	25	12	22.33	22.22	22.10			23	2
10	HQAM	25	25	22.40	22.31	22.30				
10	HQAM	50	0	22.33	22.25	22.29				
10	HQAM	1	0	22.23	22.27	22.40				
10	HQAM	1	25	22.28	22.47	22.26			23	2
10	HQAM	1	49	22.92	23.31	22.41				
10	HQAM	25	0	21.19	21.11	21.07				
10	HQAM	25	12	21.22	21.27	21.04			22	3
10	HQAM	25	25	21.29	21.17	21.16				
10	HQAM	50	0	21.28	21.11	21.04				
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.98	24.00	24.04				
5	QPSK	1	12	23.69	24.05	23.94			25	0
5	QPSK	1	24	23.93	23.87	23.98				
5	QPSK	12	0	23.02	23.17	23.13				
5	QPSK	12	7	23.06	23.15	23.02			24	1
5	QPSK	12	13	23.02	23.12	23.09				
5	QPSK	25	0	23.09	23.03	23.02				
5	HQAM	1	0	23.03	23.08	23.26				
5	HQAM	1	24	23.08	23.44	23.64			24	1
5	HQAM	12	0	22.08	22.11	22.00				
5	HQAM	12	13	22.09	22.22	22.19			23	2
5	HQAM	25	0	22.08	22.18	22.06				
5	HQAM	25	13	22.18	22.32	22.34				
5	HQAM	1	12	22.25	22.39	22.18			23	2
5	HQAM	12	0	21.09	21.05	21.02				
5	HQAM	12	7	21.17	21.17	21.01			22	3
5	HQAM	12	13	21.27	21.17	21.16				
5	HQAM	25	0	21.16	21.07	20.99				
Channel										
Frequency (MHz)										
3	QPSK	1	0	24.07	23.99	24.05				
3	QPSK	1	8	24.03	24.12	23.93			25	0
3	QPSK	1	14	23.88	23.91	23.91				
3	QPSK	8	0	23.05	23.16	23.07				
3	QPSK	8	4	23.01	23.04	22.98			24	1
3	QPSK	8	7	23.12	23.13	23.11				
3	HQAM	1	0	23.00</						



Band 17_Ant 0 (DS17)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dB)	MPR (dB)		
Channel										
Frequency (MHz)				709	710	711				
10	QPSK	1	0	23.49	23.51	23.50	24.5	0		
10	QPSK	1	25	23.48	23.42	23.47				
10	QPSK	1	49	23.42	23.47	23.47				
10	QPSK	25	0	22.92	22.93	22.92				
10	QPSK	25	12	22.88	22.78	22.81				
10	QPSK	25	25	22.88	22.68	22.71	24	0.5		
10	QPSK	50	0	22.79	22.80	22.78				
10	QPSK	50	0	21.94	21.79	21.79				
10	IQAM	1	0	22.72	22.79	22.79	24	0.5		
10	IQAM	1	49	22.93	22.88	22.84				
10	IQAM	25	0	21.84	21.79	21.79				
10	IQAM	25	12	21.81	21.81	21.81	23	1.5		
10	IQAM	25	25	21.84	21.82	21.72				
10	IQAM	50	0	21.12	21.75	21.79				
10	IQAM	1	0	21.88	21.72	21.80	23	1.5		
10	IQAM	1	49	21.92	21.76	21.81				
10	IQAM	25	0	20.87	20.88	20.88				
10	IQAM	25	12	20.76	20.72	20.77	22	2.5		
10	IQAM	25	25	20.83	20.85	20.76				
10	IQAM	50	0	20.79	20.81	20.75				
Channel										
Frequency (MHz)				709.5	710	713.5				
5	QPSK	1	0	23.46	23.37	23.38	24.5	0		
5	QPSK	1	12	23.30	23.37	23.35				
5	QPSK	1	24	23.30	23.31	23.41				
5	QPSK	12	0	22.82	22.78	22.86				
5	QPSK	12	7	22.83	22.83	22.83	24	0.5		
5	QPSK	12	13	22.85	22.83	22.85				
5	QPSK	25	0	22.67	22.78	22.68				
5	IQAM	1	0	22.78	22.79	22.78				
5	IQAM	1	12	22.75	22.84	22.74	24	0.5		
5	IQAM	1	24	22.83	22.85	22.85				
5	IQAM	12	0	21.84	21.72	21.78				
5	IQAM	12	7	21.81	21.74	21.79	23	1.5		
5	IQAM	12	13	21.80	21.74	21.69				
5	IQAM	25	0	21.60	21.79	21.61				
5	IQAM	1	0	21.57	21.71	21.67	23	1.5		
5	IQAM	1	12	21.64	21.84	21.74				
5	IQAM	1	24	21.70	21.70	21.72				
5	IQAM	12	0	20.81	20.87	20.83				
5	IQAM	12	7	20.89	20.87	20.88	22	2.5		
5	IQAM	12	13	20.94	20.79	20.75				
5	IQAM	25	0	20.75	20.73	20.77				

Band 17_Ant 1 (DS17)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dB)	MPR (dB)		
Channel										
Frequency (MHz)				709	710	711				
10	QPSK	1	0	24.16	24.19	24.13	25	0		
10	QPSK	1	25	24.13	24.11	24.11				
10	QPSK	1	49	23.96	24.11	24.12				
10	QPSK	25	0	23.18	23.23	23.21				
10	QPSK	25	12	23.12	23.17	23.12	24	1		
10	QPSK	25	25	23.17	23.22	23.19				
10	QPSK	50	0	23.14	23.18	23.07				
10	IQAM	1	0	23.04	23.01	23.28				
10	IQAM	1	25	23.71	23.45	23.58	24	1		
10	IQAM	1	49	23.71	23.54	23.71				
10	IQAM	25	0	22.98	22.95	22.12				
10	IQAM	25	12	22.93	22.22	22.19	23	2		
10	IQAM	25	25	22.89	22.19	22.31				
10	IQAM	50	0	22.15	22.10	22.21				
10	IQAM	1	0	22.23	22.28	22.17				
10	IQAM	1	25	22.60	22.50	22.41	23	2		
10	IQAM	1	49	22.15	22.30	22.25				
10	IQAM	25	0	21.18	21.15	21.10				
10	IQAM	25	12	21.20	21.20	21.88	22	3		
10	IQAM	25	25	21.23	21.23	21.18				
10	IQAM	50	0	21.23	21.24	21.27				
Channel										
Frequency (MHz)				709.5	710	713.5				
5	QPSK	1	0	24.16	24.09	23.91				
5	QPSK	1	12	24.05	24.00	24.00	25	0		
5	QPSK	1	24	23.94	24.00	24.11				
5	QPSK	12	0	22.96	23.10	23.01				
5	QPSK	12	7	23.20	23.07	23.07	24	1		
5	QPSK	12	13	23.05	23.12	23.18				
5	QPSK	25	0	23.06	23.03	22.94				
5	IQAM	1	0	23.38	23.30	23.20				
5	IQAM	1	12	23.32	23.32	23.31	24	1		
5	IQAM	1	24	23.42	23.37	23.47				
5	IQAM	12	0	21.84	22.02	22.05				
5	IQAM	12	7	22.12	22.18	22.10	23	2		
5	IQAM	12	13	21.94	22.05	22.20				
5	IQAM	25	0	22.13	22.00	22.20				
5	IQAM	1	0	22.12	22.22	22.12	23	2		
5	IQAM	1	12	22.47	22.56	22.31				
5	IQAM	1	24	22.14	22.32	22.14				
5	IQAM	12	0	21.08	21.07	21.03				
5	IQAM	12	7	21.18	21.18	21.08	22	3		
5	IQAM	12	13	21.17	21.17	21.09				
5	IQAM	25	0	21.21	21.22	21.04				

Band 25_Ant 3 (DS17)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dB)	MPR (dB)		
Channel										
Frequency (MHz)				1898	1899	1900				
30	QPSK	1	0	20.97	21.05	21.04	22	0		
30	QPSK	1	49	20.97	20.82	20.72				
30	QPSK	50	0	20.95	21.04	21.02				
30	QPSK	50	24	20.97	20.84	20.85	22	0		
30	QPSK	100	0	20.92	20.96	20.85				
30	IQAM	1	49	20.89	20.73	20.67	22	0		
30	IQAM	1	99	20.83	20.68	20.57				
30	IQAM	50	0	20.35	20.40	20.38				
30	IQAM	50	24	19.48	19.53	19.43	21	1		
30	IQAM	50	50	19.34	19.44	19.34				
30	IQAM	100	0	19.39	19.39	19.33				
30	IQAM	1	0	20.86	20.71	20.62	21	1		
30	IQAM	1	49	20.33	20.35	20.20				
30	IQAM	50	0	19.48	19.48	19.38	20	2		
30	IQAM	50	24	19.34	19.39	19.38				
30	IQAM	100	0	19.40	19.45	19.40				
30	IQAM	100	0	19.51	19.53	19.51				
Channel										
Frequency (MHz)				1897.5	1899	1907.5				
15	QPSK	1	0	20.99	20.99	20.92				
15	QPSK	1	37	20.85	20.73	20.83	22	0		
15	QPSK	1	74	20.82	20.74	20.85				
15	QPSK	36	0	20.82	21.00	20.91				
15	QPSK	36	20	20.67	20.76	20.78	22	0		
15	QPSK	75	0	20.81	20.95	20.95				
15	IQAM	1	0	20.58	20.58	20.49				
15	IQAM	1	37	20.52	20.74	20.67	22	0		
15	IQAM	1	74	20.62	20.64	20.56				
15	IQAM	36	0	19.34	19.35	19.37				
15	IQAM	36	20	19.42	19.42	19.31	21	1		
15	IQAM	36	36	19.32	19.43	19.38				
15	IQAM	75	0	19.48	19.26	19.26				
15	IQAM	1	0	20.68	20.63	20.60	22	1		
15	IQAM	1	37	20.38	20.24	20.23	21	1		
15	IQAM	1	74	20.48	20.48	20.40				
15	IQAM	36	0	19.45	19.44	19.45				
15	IQAM	36	20	19.54	19.58	19.53	20	2		
15	IQAM	75	0	19.44	19.48	19.43				
Channel										
Frequency (MHz)				1899	1900	1907.5				
10	QPSK	1	0	20.94	21.00	21.04	22	0		
10	QPSK	1	25							



Band 26_Ant 0 (DS17)											
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Hsp. / Freq.	Power Lvl. / Freq.	Time-up limit (min)	MFR (dB)			
Channel											
Frequency (MHz)											
15	QPSK	1	0	23.80	23.80	23.83	25	0			
15	QPSK	1	37	23.81	23.83	23.81					
15	QPSK	1	74	23.86	23.88	23.84					
15	QPSK	36	0	23.93	23.95	23.99					
15	QPSK	36	20	23.90	23.92	23.96					
15	QPSK	36	39	23.91	23.92	23.84					
15	QPSK	75	0	23.85	23.87	23.81					
15	QPSK	75	23	23.89	23.91	23.93					
15	16QAM	1	37	23.29	23.19	23.15	24	1			
15	16QAM	1	74	23.26	23.24	23.00					
15	16QAM	36	0	23.11	23.10	23.08					
15	16QAM	36	20	23.11	23.11	23.15					
15	16QAM	36	39	23.11	23.11	23.15					
15	16QAM	75	0	23.19	23.19	23.18					
15	16QAM	75	23	23.22	23.22	23.26					
15	64QAM	1	0	21.99	22.23	22.38					
15	64QAM	1	37	22.24	22.03	22.14					
15	64QAM	1	74	22.16	22.03	21.94					
15	64QAM	36	0	20.96	20.94	20.74					
15	64QAM	36	20	20.97	20.73	20.85					
15	64QAM	36	39	21.03	21.00	21.02					
15	64QAM	75	0	21.01	20.92	20.81					
15	64QAM	75	23	20.95	20.95	20.95					
Channel											
Frequency (MHz)											
15	QPSK	1	0	23.70	23.74	23.82					
15	QPSK	1	25	23.68	23.72	23.75					
15	QPSK	1	49	23.69	23.68	23.50					
15	QPSK	25	0	22.91	22.92	22.84					
15	QPSK	25	12	22.81	22.83	22.83					
15	QPSK	25	24	22.82	22.82	22.84					
15	QPSK	50	0	22.75	22.88	22.78					
15	16QAM	1	0	23.08	23.14	23.02					
15	16QAM	1	37	23.16	23.09	23.04					
15	16QAM	1	74	23.16	23.09	23.04					
15	16QAM	36	0	21.87	21.80	21.88					
15	16QAM	36	20	21.84	21.80	21.71					
15	16QAM	36	39	21.84	21.80	21.71					
15	16QAM	75	0	21.86	21.80	21.75					
15	16QAM	75	23	21.85	21.80	21.87					
15	64QAM	1	0	22.29	21.97	21.13					
15	64QAM	1	37	22.19	22.06	22.06					
15	64QAM	1	74	22.10	22.03	21.95					
15	64QAM	36	0	20.90	20.87	20.87					
15	64QAM	36	20	20.90	20.87	20.87					
15	64QAM	36	39	20.90	20.87	20.87					
15	64QAM	75	0	20.91	21.00	21.02					
15	64QAM	75	23	20.95	20.95	20.95					
Channel											
Frequency (MHz)											
15	QPSK	1	0	23.72	23.74	23.69					
15	QPSK	1	12	23.80	23.82	23.76					
15	QPSK	1	24	23.53	23.65	23.50					
15	QPSK	1	49	23.47	23.58	23.50					
15	QPSK	12	7	22.81	22.85	22.82					
15	QPSK	12	13	22.79	22.79	22.77					
15	QPSK	25	0	22.82	22.82	22.88					
15	QPSK	25	12	22.93	22.93	22.93					
15	16QAM	1	0	23.03	23.03	23.07					
15	16QAM	1	12	23.22	23.07	23.09					
15	16QAM	1	24	23.17	23.19	23.14					
15	16QAM	12	0	21.75	21.79	21.84					
15	16QAM	12	7	21.87	21.74	21.80					
15	16QAM	12	13	21.77	21.78	21.86					
15	16QAM	25	0	21.89	21.84	21.78					
15	16QAM	25	12	21.93	21.93	21.93					
15	16QAM	25	24	21.93	21.93	21.93					
15	16QAM	50	0	21.16	21.99	22.10					
15	64QAM	1	0	22.14	21.97	22.01					
15	64QAM	1	37	22.03	22.03	22.03					
15	64QAM	1	74	22.03	22.03	22.03					
15	64QAM	36	0	20.84	20.84	20.84					
15	64QAM	36	20	20.84	20.84	20.84					
15	64QAM	36	39	20.84	20.84	20.84					
15	64QAM	75	0	20.85	20.95	21.05					
15	64QAM	75	23	20.89	20.89	20.89					
Channel											
Frequency (MHz)											
15	QPSK	1	0	23.77	23.77	23.82					
3	QPSK	1	0	23.80	23.80	23.88					
3	QPSK	1	14	23.56	23.63	23.69					
3	QPSK	8	0	22.88	22.86	22.82					
3	QPSK	8	4	22.79	22.76	22.80					
3	QPSK	8	7	22.82	22.79	22.82					
3	16QAM	1	0	23.27	22.83	23.08					
3	16QAM	1	8	23.27	23.03	23.09					
3	16QAM	1	16	23.63	23.61	23.69					
3	16QAM	8	0	21.78	21.76	21.83					
3	16QAM	8	4	21.85	21.72	21.69					
3	16QAM	8	7	21.78	21.68	21.85					
3	64QAM	1	0	21.94	21.82	21.80					
3	64QAM	1	8	21.86	22.10	22.23					
3	64QAM	1	16	22.05	22.09	22.05					
3	64QAM	14	0	20.84	20.80	20.73					
3	64QAM	14	8	20.80	20.80	20.76					
3	64QAM	14	7	20.97	20.90	20.93					
3	64QAM	15	0	20.83	20.90	20.78					
Channel											
Frequency (MHz)											
14	QPSK	1	0	23.75	23.71	23.80					
14	QPSK	1	8	23.79	23.80	23.71					
14	QPSK	1	16	23.56	23.62	23.61					
14	QPSK	3	0	23.64	23.76	23.64					
14	QPSK	3	1	23.80	23.50	23.50					
14	QPSK	3	1	23.81	23.64	23.83					
14	QPSK	6	0	22.80	22.78	22.75					
14	16QAM	1	0	23.08	23.10	23.04					
14	16QAM	1	8	23.17	23.10	23.11					
14	16QAM	1	16	23.27	23.07	23.03					
14	16QAM	3	0	22.89	22.73	22.80					
14	16QAM	3	8	22.79	22.73	22.69					
14	16QAM	3	16	22.87	22.88	23.17					
14	64QAM	1	0	21.87	22.12	22.28					
14	64QAM	1	8	22.19	21.87	22.08					
14	64QAM	1	16	22.05	21.97	22.06					
14	64QAM	3	0	21.93	21.85	21.69					
14	64QAM	3	1	21.89	21.71	21.80					
14	64QAM	3	3	22.02	21.86	22.01					
14	64QAM	6	0	20.91	20.90	20.76					

Band 26_Ant 1 (DS17)											
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Hsp. / Freq.	Power Lvl. / Freq.	Time-up limit (min)	MFR (dB)			
Channel											
Frequency (MHz)											
15	QPSK	1	0	24.21	24.22	24.12					
15	QPSK	1	37	24.04	24.13	24.03					
15	QPSK	1	74	23.93	24.06	23.90					
15	QPSK	36	0	23.23	23.25	23.16					
15	QPSK	36	20	23.22	23.29	23.15					
15	QPSK	36	39	23.16	23.09	23.09					
15	QPSK	75	0	23.14	23.18	23.08					
15	QPSK	75	23	23.12	23.12	23.15					
15	16QAM	1	37	23.51	23.52	23.13					
15	16QAM	1	74	23.50	23.55	23.61					
15	16QAM	36	0	22.14	22.21	22.02					
15	16QAM	36	20	22.25	22.12	22.31					
15	16QAM	36	39	22.24	22.19	22.06					
15	16QAM	75	0	22.07	22.02	22.15					
15	16QAM	75	23	22.07	22.10	22.34					
15	64QAM	1	0	22.57	22.10	22.34					
15	64QAM	1	37	22.35	22.31	22.17					
15	64QAM	1	74	22.21	22.36	22.32					
15	64QAM	36	0	21.07	21.13	21.13					
15	64QAM	36	20	21.16	21.07	21.15					
15	64QAM	36	39	21.09	21.05	21.04					
15	64QAM	75	0	21.32	21.07	21.03					
15	64QAM	75	23	21.07	21.07	21.07					
Channel											
Frequency (MHz)											
15	QPSK	1	0	23.79	23.72	24.06					
15	QPSK	1	25	24.01	24.03	23.64					
15	QPSK	1	49	23.91	23.83	23.64					
15	QPSK	25	0	22.86	23.01	23.06					
15	QPSK	25	12	23.10	23.03	22.80					
15	QPSK	25	24	23.11	23.03	22.82					
15	QPSK	50	0	23.14	23.00	22.86					
15	16QAM	1	0	23.27	23.20	23.40					
15	16QAM	1	37	23.22	23.19	23.09					
15	16QAM	1	74	23.20	23.16	23.07					
15	16QAM	36	0	21.96	22.08	22.05					
15	16QAM	36	20	21.94	21.90	21.89					
15	16QAM	36	39	22.08	22.06	22.08					
15	16QAM	75	0	22.07	22.06	21.91					
15	16QAM	75	23	22.10	22.10	22.17					



Band 38_Ant 3 (DS117)										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up Int (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
37850	38000	38150								
20	QPSK	1	0	18.99	19.11	18.99	20	0		
20	QPSK	1	49	18.96	19.02	18.94	20	0		
20	QPSK	1	99	18.93	19.02	18.92	20	0		
20	QPSK	50	0	18.93	19.15	18.82	20	0		
20	QPSK	50	24	18.98	19.18	19.02	20	0		
20	QPSK	50	50	18.93	19.15	18.97	20	0		
20	QPSK	100	0	18.82	19.02	19.00	20	0		
20	16QAM	1	0	18.97	19.09	18.96	20	0		
20	16QAM	1	49	18.96	19.06	18.98	20	0		
20	16QAM	1	99	18.81	19.03	18.93	20	0		
20	16QAM	50	0	18.92	19.07	18.91	20	0		
20	16QAM	50	24	18.94	19.16	19.01	20	0		
20	16QAM	50	50	18.92	19.02	18.95	20	0		
20	16QAM	100	0	18.90	19.05	18.93	20	0		
20	16QAM	100	0	18.82	19.15	18.95	20	0		
20	16QAM	1	49	18.81	19.08	18.96	20	0		
20	16QAM	1	99	18.96	19.12	18.98	20	0		
20	16QAM	50	0	18.82	19.14	18.90	20	0		
20	16QAM	50	24	18.78	19.15	18.83	20	0		
20	16QAM	50	50	18.92	19.01	18.91	20	0		
20	16QAM	100	0	18.78	19.13	18.94	20	0		
Channel										
Frequency (MHz)										
37925	38000	38175								
15	QPSK	1	0	18.97	19.07	18.92	20	0		
15	QPSK	1	37	18.97	19.02	18.98	20	0		
15	QPSK	1	74	19.05	19.07	19.01	20	0		
15	QPSK	36	0	18.82	18.84	18.84	20	0		
15	QPSK	36	20	18.82	18.84	18.84	20	0		
15	QPSK	36	39	18.73	18.74	18.75	20	0		
15	QPSK	75	0	18.76	18.85	18.73	20	0		
15	16QAM	1	37	18.98	18.92	18.98	20	0		
15	16QAM	1	74	18.78	18.76	18.79	20	0		
15	16QAM	36	0	18.81	18.88	18.88	20	0		
15	16QAM	36	20	18.89	18.91	18.86	20	0		
15	16QAM	36	39	18.79	18.78	18.77	20	0		
15	16QAM	75	0	18.71	18.76	18.66	20	0		
15	16QAM	1	0	18.74	18.82	18.77	20	0		
15	16QAM	1	37	18.76	18.79	18.77	20	0		
15	16QAM	1	74	18.80	18.76	18.72	20	0		
15	16QAM	36	0	18.80	18.83	18.83	20	0		
15	16QAM	36	20	18.88	18.74	18.77	20	0		
15	16QAM	36	39	18.80	18.79	18.85	20	0		
15	16QAM	75	0	18.79	18.71	18.69	20	0		
Channel										
Frequency (MHz)										
37975	38000	38225								
10	QPSK	1	0	18.94	18.94	18.96	20	0		
10	QPSK	1	25	18.91	18.91	18.91	20	0		
10	QPSK	1	49	18.99	19.02	19.05	20	0		
10	QPSK	25	0	18.87	18.90	18.89	20	0		
10	QPSK	25	12	18.91	18.94	18.97	20	0		
10	QPSK	25	25	18.80	18.73	18.81	20	0		
10	QPSK	50	0	18.86	18.76	18.75	20	0		
10	16QAM	1	0	18.84	18.87	18.83	20	0		
10	16QAM	1	25	18.83	18.83	18.84	20	0		
10	16QAM	1	49	18.82	18.82	18.74	20	0		
10	16QAM	25	0	18.80	18.89	18.82	20	0		
10	16QAM	25	12	18.88	18.80	18.83	20	0		
10	16QAM	25	25	18.79	18.82	18.86	20	0		
10	16QAM	50	0	18.87	18.77	18.87	20	0		
10	16QAM	1	0	18.79	18.74	18.84	20	0		
10	16QAM	1	25	18.74	18.74	18.77	20	0		
10	16QAM	1	49	18.75	18.76	18.73	20	0		
10	16QAM	25	0	18.76	18.76	18.76	20	0		
10	16QAM	25	12	18.76	18.75	18.77	20	0		
10	16QAM	25	25	18.79	18.80	18.88	20	0		
10	16QAM	50	0	18.72	18.70	18.76	20	0		
Channel										
Frequency (MHz)										
37975	38000	38225								
5	QPSK	1	0	18.94	18.96	18.90	20	0		
5	QPSK	1	12	18.81	18.92	18.95	20	0		
5	QPSK	1	24	18.93	18.94	18.96	20	0		
5	QPSK	12	0	18.90	18.90	18.91	20	0		
5	QPSK	12	7	18.93	18.87	18.91	20	0		
5	QPSK	12	14	18.95	18.74	18.92	20	0		
5	QPSK	25	0	18.88	18.87	18.88	20	0		
5	16QAM	1	0	18.95	18.93	18.96	20	0		
5	16QAM	1	12	18.88	18.81	18.83	20	0		
5	16QAM	1	24	18.74	18.74	18.69	20	0		
5	16QAM	12	0	18.81	18.88	18.83	20	0		
5	16QAM	12	7	18.87	18.91	18.90	20	0		
5	16QAM	12	14	18.79	18.84	18.89	20	0		
5	16QAM	25	0	18.86	18.79	18.68	20	0		
5	16QAM	25	12	18.79	18.76	18.76	20	0		
5	16QAM	25	14	18.75	18.77	18.71	20	0		
5	16QAM	1	24	18.97	18.76	18.76	20	0		
5	16QAM	12	0	18.77	18.78	18.79	20	0		
5	16QAM	12	7	18.72	18.75	18.68	20	0		
5	16QAM	12	14	18.84	18.81	18.86	20	0		
5	16QAM	25	0	18.89	18.69	18.74	20	0		

Band 38_Ant 4 (DS117)										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up Int (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
37850	38000	38150								
20	QPSK	1	0	22.02	22.01	22.03	24	0		
20	QPSK	1	49	22.14	22.09	22.05	24	0		
20	QPSK	1	99	22.15	22.09	22.05	24	0		
20	QPSK	50	0	22.03	22.05	22.01	24	0		
20	QPSK	50	24	22.26	22.08	22.23	24	0		
20	QPSK	50	50	22.03	22.05	22.03	24	0		
20	QPSK	100	0	22.03	22.03	22.49	24	0		
20	16QAM	1	0	22.48	22.88	22.42	24	0		
20	16QAM	1	49	22.45	22.91	22.49	24	0		
20	16QAM	1	99	22.45	22.90	22.49	24	0		
20	16QAM	50	0	21.80	21.97	21.83	24	0		
20	16QAM	50	24	21.59	21.90	21.49	24	0		
20	16QAM	50	50	21.59	21.86	21.81	24	0		
20	16QAM	100	0	21.28	21.97	21.61	24	0		
20	16QAM	100	0	21.47	21.53	21.95	24	0		
20	16QAM	1	49	21.47	21.67	21.49	24	0		
20	16QAM	1	99	21.48	21.66	21.50	24	0		
20	16QAM	50	0	21.09	21.18	21.14	24	0		
20	16QAM	50	24	21.08	21.03	21.02	24	0		
20	16QAM	50	50	21.03	21.05	21.04	24	0		
20	16QAM	100	0	20.99	21.11	21.02	24	0		
Channel										
Frequency (MHz)										
37925	38000	38175								
15	QPSK	1	0	22.26	22.99	22.90	24	0		
15	QPSK	1	37	22.07	22.97	22.11	24	0		
15	QPSK	1	74	22.07	23.12	22.09	24	0		
15	QPSK	36	0	22.47	22.39	22.49	24	0		
15	QPSK	36	20	22.46	22.39	22.49	24	0		
15	QPSK	36	39	22.42	22.42	22.33	24	0		
15	QPSK	75	0	22.44	22.44	22.44	24	0		
15	16QAM	1	37	22.40	22.90	22.42	24	0		
15	16QAM	1	74	22.49	22.38	22.42	24	0		
15	16QAM	1	74	22.30	22.32	22.36	24	0		
15	16QAM	36	0	21.80	21.89	21.84	24	0		
15	16QAM	36	20	21.48	21.58	21.53	24	0		
15	16QAM	36	39	21.51	21.43	21.52	24	0		
15	16QAM	75	0	21.45	21.44	21.32	24	0		
15	16QAM	1	0	21.45	21.44	21.32	24	0		
15	16QAM	1	37	21.45	21.44	21.43	24			



Band 41 HPUE_Ant 3 (DS117)

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch / Freq, Power High Ch / Freq, Power Mid Ch / Freq, Power High Ch / Freq, Power High Ch / Freq, Tune-up limit (dBm), MPR (dB). Includes sub-tables for Channel, Frequency (MHz), and Channel.

Band 41_Ant 4 (DS117)

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch / Freq, Power High Ch / Freq, Power Mid Ch / Freq, Power High Ch / Freq, Power High Ch / Freq, Tune-up limit (dBm), MPR (dB). Includes sub-tables for Channel, Frequency (MHz), and Channel.

Band 41 HPUE_Ant 4 (DS117)

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch / Freq, Power High Ch / Freq, Power Mid Ch / Freq, Power High Ch / Freq, Power High Ch / Freq, Tune-up limit (dBm), MPR (dB). Includes sub-tables for Channel, Frequency (MHz), and Channel.



Conducted Full Power for EN-DC

Band 5_Ant 0(Default)

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Mid, Power High, Turn-up limit, MPR (dB). Rows include OFDM and IQAM channels with various frequency and power settings.

Table with columns: Channel, Frequency (MHz), Power Low, Power Mid, Power High, Turn-up limit, MPR (dB). Rows include OFDM and IQAM channels for channel 5.

Table with columns: Channel, Frequency (MHz), Power Low, Power Mid, Power High, Turn-up limit, MPR (dB). Rows include OFDM and IQAM channels for channel 3.

Table with columns: Channel, Frequency (MHz), Power Low, Power Mid, Power High, Turn-up limit, MPR (dB). Rows include OFDM and IQAM channels for channel 1.4.

Band 5_Ant 1(Default)

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Mid, Power High, Turn-up limit, MPR (dB). Rows include OFDM and IQAM channels with various frequency and power settings.

Table with columns: Channel, Frequency (MHz), Power Low, Power Mid, Power High, Turn-up limit, MPR (dB). Rows include OFDM and IQAM channels for channel 5.

Table with columns: Channel, Frequency (MHz), Power Low, Power Mid, Power High, Turn-up limit, MPR (dB). Rows include OFDM and IQAM channels for channel 3.

Table with columns: Channel, Frequency (MHz), Power Low, Power Mid, Power High, Turn-up limit, MPR (dB). Rows include OFDM and IQAM channels for channel 1.4.

Band 7_Ant 3(Default)

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Mid, Power High, Turn-up limit, MPR (dB). Rows include OFDM and IQAM channels with various frequency and power settings.

Table with columns: Channel, Frequency (MHz), Power Low, Power Mid, Power High, Turn-up limit, MPR (dB). Rows include OFDM and IQAM channels for channel 15.

Table with columns: Channel, Frequency (MHz), Power Low, Power Mid, Power High, Turn-up limit, MPR (dB). Rows include OFDM and IQAM channels for channel 10.

Table with columns: Channel, Frequency (MHz), Power Low, Power Mid, Power High, Turn-up limit, MPR (dB). Rows include OFDM and IQAM channels for channel 5.

Band 7_Ant 4(Default)

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Mid, Power High, Turn-up limit, MPR (dB). Rows include OFDM and IQAM channels with various frequency and power settings.

Table with columns: Channel, Frequency (MHz), Power Low, Power Mid, Power High, Turn-up limit, MPR (dB). Rows include OFDM and IQAM channels for channel 15.

Table with columns: Channel, Frequency (MHz), Power Low, Power Mid, Power High, Turn-up limit, MPR (dB). Rows include OFDM and IQAM channels for channel 10.

Table with columns: Channel, Frequency (MHz), Power Low, Power Mid, Power High, Turn-up limit, MPR (dB). Rows include OFDM and IQAM channels for channel 5.



Band 7_Ant 5(Default)											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Mid Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Turn-up limit (dBm)	MRR (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	2170	2170	2170					
20	QPSK	1	49	2172	2180	2188	23	0			
20	QPSK	1	99	2174	2181	2189					
20	QPSK	50	0	2054	2059	2074					
20	QPSK	50	24	2056	2065	2075	20	1			
20	QPSK	50	50	2061	2064	2065					
20	QPSK	100	0	2054	2062	2070					
20	QPSK	1	0	2061	2063	2062					
20	HQAM	1	49	2073	2088	2074	22	1			
20	HQAM	50	0	1920	1925	1930					
20	HQAM	50	0	1920	1923	1922					
20	HQAM	50	24	1924	1934	1941	21	2			
20	HQAM	100	0	1924	1928	1945					
20	HQAM	1	0	1926	1928	1927					
20	HQAM	1	49	1928	1941	1933	21	2			
20	HQAM	50	0	1929	1938	1940					
20	HQAM	50	24	1932	1942	1948	20	3			
20	HQAM	100	0	1932	1937	1943					
20	HQAM	1	0	1937	1938	1938					
20	HQAM	1	49	1938	1941	1941					
20	HQAM	50	0	1941	1942	1942					
20	HQAM	50	24	1942	1948	1948	19	2			
20	HQAM	100	0	1942	1948	1948					
20	HQAM	1	0	1947	1948	1948					
20	HQAM	1	49	1948	1949	1949	19	2			
20	HQAM	50	0	1949	1949	1949					
20	HQAM	50	24	1949	1949	1949	18	3			
20	HQAM	100	0	1949	1949	1949					
Channel											
Frequency (MHz)											
15	QPSK	1	0	2179	2180	2180					
15	QPSK	1	37	2180	2179	2179	23	0			
15	QPSK	1	74	2180	2180	2180					
15	QPSK	36	0	2068	2070	2072					
15	HQAM	36	39	2068	2068	2068	22	1			
15	QPSK	36	39	2068	2068	2068					
15	QPSK	75	0	2062	2065	2069					
15	HQAM	75	0	2062	2065	2069					
15	HQAM	1	37	2070	2072	2072	22	1			
15	HQAM	1	74	2070	2069	2064					
15	HQAM	36	39	2068	2068	2068	21	2			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	21	2			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	19	2			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	19	2			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15	HQAM	36	39	2068	2068	2068					
15	HQAM	36	39	2068	2068	2068	18	3			
15											

**Band 26_Ant 0(Default)**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Middle Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Turn-up limit (dBm)	MFR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	0	821.5	831.5	841.5		
15	QPSK	1	37	22.53	22.96	22.61	24	0
15	QPSK	1	74	22.49	22.60	22.58		
15	QPSK	36	0	22.57	22.54	22.58	24	0
15	QPSK	36	36	22.62	22.65	22.59		
15	QPSK	75	0	22.55	22.63	22.64	24	0
15	QPSK	1	0	22.54	22.75	22.72		
15	HQAM	1	37	22.71	22.78	22.61	24	0
15	HQAM	1	74	22.82	22.83	22.81		
15	HQAM	36	0	22.96	22.13	22.10		
15	HQAM	36	36	22.86	22.12	22.03	23	1
15	HQAM	75	0	22.95	22.10	22.11		
15	HQAM	1	0	22.05	22.10	22.18		
15	HQAM	1	0	22.12	22.17	22.11		
15	HQAM	36	36	22.12	22.14	22.11		
15	HQAM	1	0	22.02	22.10	22.08		
15	HQAM	1	74	22.02	22.03	22.02		
15	HQAM	36	0	21.14	21.19	21.05		
15	HQAM	36	36	21.27	21.28	21.18	22	2
15	HQAM	75	0	21.11	21.14	21.11		
Channel								
Frequency (MHz)								
10	QPSK	1	0	819	831.5	844		
10	QPSK	1	0	22.77	22.77	22.84		
10	QPSK	1	20	22.87	22.87	22.87	24	0
10	QPSK	1	49	22.47	22.52	22.45		
10	QPSK	25	0	22.87	22.58	22.58		
10	QPSK	25	25	22.87	22.58	22.58	24	0
10	QPSK	50	0	22.87	22.62	22.49		
10	QPSK	50	50	22.87	22.62	22.49	24	0
10	QPSK	1	26	22.83	22.70	22.65	24	0
10	HQAM	1	49	22.48	22.67	22.54		
10	HQAM	1	26	22.03	22.03	22.03		
10	HQAM	25	12	21.98	22.00	22.03	23	1
10	HQAM	25	25	22.11	22.03	22.04		
10	HQAM	50	0	22.03	22.08	22.11		
10	HQAM	1	0	22.03	22.08	22.11		
10	HQAM	1	26	22.22	22.14	22.18	23	1
10	HQAM	25	0	21.15	21.11	21.13		
10	HQAM	25	12	21.98	21.13	21.04	22	2
10	HQAM	25	25	21.98	21.13	21.04		
10	HQAM	50	0	21.06	21.11	21.04		
Channel								
Frequency (MHz)								
5	QPSK	1	0	22.75	22.52	22.72		
5	QPSK	1	12	22.89	22.64	22.62	24	0
5	QPSK	12	0	22.85	22.83	22.84		
5	QPSK	12	6	22.85	22.83	22.83		
5	QPSK	12	7	22.49	22.55	22.59		
5	QPSK	12	13	22.81	22.83	22.84	24	0
5	QPSK	25	0	22.52	22.54	22.54		
5	HQAM	1	0	22.86	22.73	22.68		
5	HQAM	12	0	22.87	22.83	22.84	24	0
5	HQAM	1	24	22.59	22.53	22.47		
5	HQAM	12	0	22.82	21.99	22.03		
5	HQAM	12	6	22.82	21.99	22.07		
5	HQAM	12	13	21.99	22.09	22.07	23	1
5	HQAM	25	0	22.09	22.18	22.04		
5	HQAM	1	12	22.17	22.18	22.25	23	1
5	HQAM	1	24	21.97	21.89	21.92		
5	HQAM	12	0	21.92	21.92	21.94		
5	HQAM	12	7	21.95	21.98	21.97	22	2
5	HQAM	12	13	21.22	21.20	21.14		
5	HQAM	25	0	21.11	21.08	21.04		
Channel								
Frequency (MHz)								
3	QPSK	1	0	22.85	22.83	22.80		
3	QPSK	1	8	22.98	22.59	22.58	24	0
3	QPSK	1	14	22.46	22.55	22.58		
3	QPSK	8	0	22.85	22.83	22.88		
3	QPSK	8	4	22.58	22.52	22.63	24	0
3	QPSK	8	7	22.81	22.62	22.51		
3	QPSK	15	0	22.66	22.68	22.66		
3	HQAM	1	0	22.74	22.68	22.66		
3	HQAM	1	8	22.61	22.71	22.71	24	0
3	HQAM	1	14	22.52	22.63	22.64		
3	HQAM	8	0	22.61	22.11	22.03		
3	HQAM	8	4	22.63	22.67	22.61	23	1
3	HQAM	15	0	22.66	22.10	22.11		
3	HQAM	1	0	22.17	22.24	22.17		
3	HQAM	1	14	21.96	21.90	21.96		
3	HQAM	8	0	21.15	21.15	21.13		
3	HQAM	8	7	21.99	21.93	21.97	22	2
3	HQAM	15	0	21.27	21.20	21.19		
3	HQAM	15	0	21.06	21.02	21.05		
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	814.7	831.5	848.3		
1.4	QPSK	1	0	22.85	22.82	22.74		
1.4	QPSK	1	3	22.81	22.84	22.86	24	0
1.4	QPSK	1	6	22.59	22.59	22.55		
1.4	QPSK	3	0	22.57	22.57	22.64		
1.4	QPSK	3	1	22.80	22.52	22.49		
1.4	QPSK	3	3	22.53	22.58	22.57		
1.4	QPSK	8	0	22.80	22.57	22.57	24	0
1.4	HQAM	1	0	22.62	22.60	22.66		
1.4	HQAM	1	3	22.83	22.68	22.61		
1.4	HQAM	1	6	22.50	22.50	22.49	24	0
1.4	HQAM	3	0	22.79	22.88	22.74		
1.4	HQAM	3	1	22.86	22.74	22.82		
1.4	HQAM	3	3	22.68	22.77	22.65		
1.4	HQAM	8	0	22.16	22.17	22.08	23	1
1.4	HQAM	1	0	22.14	22.09	22.12		
1.4	HQAM	1	3	22.23	22.27	22.22		
1.4	HQAM	1	6	22.07	22.07	22.12		
1.4	HQAM	3	0	22.15	22.18	22.09	23	1
1.4	HQAM	3	1	22.13	22.06	22.08		
1.4	HQAM	3	3	22.23	22.23	22.20		
1.4	HQAM	8	0	21.11	21.08	21.12	22	2

Band 26_Ant 1(Default)

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Middle Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Turn-up limit (dBm)	MFR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	0	821.5	831.5	841.5		
15	QPSK	1	37	22.54	22.66	22.61	24	0
15	QPSK	1	74	22.58	22.84	22.67		
15	QPSK	36	0	22.71	22.78	22.61	24	0
15	QPSK	36	36	22.68	22.71	22.50		
15	QPSK	75	0	22.58	22.72	22.67		
15	QPSK	1	0	22.58	22.79	22.70		
15	HQAM	1	37	22.62	22.85	22.65		
15	HQAM	1	74	22.50	22.85	22.45	24	0
15	HQAM	36	0	22.16	22.20	22.14		
15	HQAM	36	36	22.18	22.87	21.84	23	1
15	HQAM	75	0	22.16	22.13	21.89		
15	HQAM	1	0	21.91	22.05	21.94		
15	HQAM	1	0	22.04	22.15	22.05		
15	HQAM	36	36	21.07	21.13	21.03	23	1
15	HQAM	1	74	21.99	22.09	21.95		
15	HQAM	36	0	21.23	21.32	21.29		
15	HQAM	36	36	21.27	21.16	21.10	22	2
15	HQAM	75	0	21.12	21.14	21.09		
Channel								
Frequency (MHz)								
10	QPSK	1	0	819	831.5	844		
10	QPSK	1	0	22.67	22.67	22.69		
10	QPSK	1	24	22.52	22.69	22.64	24	0
10	QPSK	1	49	22.51	22.62	22.56		
10	QPSK	25	0	22.74	22.74	22.76		
10	QPSK	25	25	22.64	22.61	22.67	24	0
10	QPSK	50	0	22.69	22.64	22.67		
10	QPSK	50	50	22.66	22.68	22.67	24	0
10	QPSK	1	26	22.42	22.40	22.52		
10	HQAM	1	49	22.51	22.82	22.60		
10	HQAM	1	26	22.08	22.08	22.08		
10	HQAM	25	12	21.93	21.96	21.94	23	1
10	HQAM	25	25	22.05	22.10	21.89		
10	HQAM	50	0	22.04	22.09	22.07		
10	HQAM	1	0	22.08	22.00	22.14		
10	HQAM	1	26	22.01	22.07	22.01		
10	HQAM	25	0	21.29	21.28	21.22	23	1
10	HQAM	25	12	21.07	21.07	21.03		
10	HQAM	25	25	21.07	21.10	21.03	22	2
10	HQAM	50	0	21.07	21.06	21.12		
Channel								
Frequency (MHz)								
5	QPSK	1	0	22.69	22.71	22.80		
5	QPSK	1	12	22.61	22.58	22.61	24	0
5	QPSK	12	0	22.68	22.74	22.73		
5	QPSK	12	7	22.64	22.62	22.65	24	0
5	QPSK	12	13	22.64	22.68	22.67		
5	QPSK	25	0	22.57	22.57	22.58		
5	HQAM	1	0	22.58	22.57	22.61		
5	HQAM	12	0	22.66	22.67	22.67	24	0
5	HQAM	1	24	22.56	22.56	22.60		
5	HQAM	12	0	22.16	22.13	22.14		
5	HQAM	12	6	22.16	22.16	22.18	23	1
5	HQAM	12	13	21.98	22.06	22.07		
5	HQAM	25	0	21.97	21.95	21.96		
5	HQAM	1	12	21.94	21.94	21.94		
5	HQAM	1	12	22.10	22.08	21.98	23	1
5	HQAM	1	24	22.02	22.08	22.05		
5	HQAM	12	0	21.92	21.92	21.92		
5	HQAM	12	7	21.95	21.98	21.97	22	2
5	HQAM	12	13	21.06	21.12	21.06		
5	HQAM	25	0	21.04	21.10	21.05		
Channel								
Frequency (MHz)								
3	QPSK	1	0	22.68	22.73	22.70		
3	QPSK	1	8	22.64	22.54	22.58	24	0
3	QPSK	1	14	22.54	22.87	22.62		
3	QPSK	8	0	22.74	22			



Reduced Power for EN-DC receiver on

Band 5_Ant 0(DS18)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low (20465)	Power Middle (20525)	Power High (20585)	Turn-up (dB)	Turn-off (dB)	MRR (dB)
Channel									
Frequency (MHz)									
10	QPSK	1	0	17.78	17.81	17.84	19	0	
10	QPSK	1	25	17.78	17.81	17.84	19	0	
10	QPSK	1	49	17.49	17.62	17.65	19	0	
10	QPSK	25	0	17.78	17.78	17.78	19	0	
10	QPSK	25	12	17.60	17.71	17.82	19	0	
10	QPSK	25	25	17.67	17.72	17.81	19	0	
10	QPSK	50	0	17.78	17.78	17.78	19	0	
10	QPSK	50	0	17.82	17.85	17.82	19	0	
10	HQAM	1	25	17.71	17.84	17.80	19	0	
10	HQAM	1	49	17.77	17.83	17.79	19	0	
10	HQAM	25	0	17.67	17.78	17.70	19	0	
10	HQAM	25	12	17.68	17.80	17.68	19	0	
10	HQAM	25	25	17.68	17.78	17.65	19	0	
10	HQAM	50	0	17.70	17.74	17.66	19	0	
10	HQAM	1	0	17.24	17.31	17.19	19	0	
10	HQAM	1	25	17.26	17.35	17.23	19	0	
10	HQAM	1	49	17.44	17.48	17.44	19	0	
10	HQAM	25	0	17.54	17.78	17.66	19	0	
10	HQAM	25	12	17.70	17.79	17.71	19	0	
10	HQAM	25	25	17.67	17.83	17.77	19	0	
10	HQAM	50	0	17.70	17.78	17.76	19	0	
Channel									
Frequency (MHz)									
5	QPSK	1	0	17.88	17.78	17.75	19	0	
5	QPSK	1	25	17.87	17.75	17.77	19	0	
5	QPSK	1	49	17.54	17.61	17.49	19	0	
5	QPSK	12	0	17.77	17.71	17.72	19	0	
5	QPSK	12	7	17.81	17.68	17.68	19	0	
5	QPSK	12	13	17.67	17.82	17.65	19	0	
5	QPSK	25	0	17.67	17.71	17.71	19	0	
5	QPSK	25	12	17.85	17.75	17.85	19	0	
5	HQAM	1	12	17.67	17.74	17.74	19	0	
5	HQAM	1	24	17.79	17.75	17.68	19	0	
5	HQAM	1	48	17.54	17.62	17.62	19	0	
5	HQAM	12	7	17.68	17.77	17.72	19	0	
5	HQAM	12	13	17.72	17.71	17.63	19	0	
5	HQAM	25	0	17.72	17.73	17.63	19	0	
5	HQAM	1	0	17.26	17.20	17.22	19	0	
5	HQAM	1	12	17.33	17.34	17.30	19	0	
5	HQAM	1	24	17.34	17.46	17.44	19	0	
5	HQAM	12	0	17.68	17.73	17.69	19	0	
5	HQAM	12	7	17.70	17.75	17.74	19	0	
5	HQAM	12	13	17.80	17.81	17.78	19	0	
5	HQAM	25	0	17.75	17.77	17.71	19	0	
Channel									
Frequency (MHz)									
3	QPSK	1	0	17.65	17.70	17.67	19	0	
3	QPSK	1	8	17.68	17.67	17.75	19	0	
3	QPSK	1	14	17.63	17.66	17.61	19	0	
3	QPSK	8	0	17.69	17.74	17.64	19	0	
3	QPSK	8	4	17.69	17.60	17.66	19	0	
3	QPSK	8	7	17.63	17.63	17.63	19	0	
3	QPSK	15	0	17.68	17.65	17.65	19	0	
3	HQAM	1	0	17.62	17.62	17.64	19	0	
3	HQAM	1	8	17.70	17.78	17.79	19	0	
3	HQAM	1	14	17.73	17.75	17.77	19	0	
3	HQAM	8	0	17.74	17.67	17.74	19	0	
3	HQAM	8	4	17.76	17.73	17.73	19	0	
3	HQAM	8	7	17.75	17.67	17.71	19	0	
3	HQAM	15	0	17.73	17.66	17.67	19	0	
3	HQAM	1	0	17.19	17.19	17.20	19	0	
3	HQAM	1	8	17.20	17.30	17.22	19	0	
3	HQAM	1	14	17.43	17.46	17.38	19	0	
3	HQAM	8	0	17.14	17.76	17.71	19	0	
3	HQAM	8	4	17.72	17.75	17.69	19	0	
3	HQAM	8	7	17.76	17.77	17.80	19	0	
3	HQAM	15	0	17.75	17.69	17.68	19	0	
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	17.82	17.83	17.73	19	0	
1.4	QPSK	1	3	17.70	17.80	17.68	19	0	
1.4	QPSK	1	5	17.58	17.49	17.54	19	0	
1.4	QPSK	3	0	17.64	17.72	17.65	19	0	
1.4	QPSK	3	1	17.68	17.62	17.62	19	0	
1.4	QPSK	3	3	17.63	17.65	17.71	19	0	
1.4	QPSK	6	0	17.68	17.61	17.71	19	0	
1.4	HQAM	1	0	17.72	17.77	17.81	19	0	
1.4	HQAM	1	3	17.62	17.74	17.82	19	0	
1.4	HQAM	1	5	17.70	17.81	17.77	19	0	
1.4	HQAM	3	0	17.68	17.67	17.71	19	0	
1.4	HQAM	3	1	17.78	17.65	17.74	19	0	
1.4	HQAM	3	3	17.66	17.66	17.65	19	0	
1.4	HQAM	6	0	17.65	17.66	17.62	19	0	
1.4	HQAM	1	0	17.19	17.27	17.23	19	0	
1.4	HQAM	1	3	17.28	17.28	17.34	19	0	
1.4	HQAM	1	5	17.37	17.34	17.42	19	0	
1.4	HQAM	3	0	17.77	17.68	17.71	19	0	
1.4	HQAM	3	1	17.71	17.75	17.75	19	0	
1.4	HQAM	3	3	17.77	17.79	17.76	19	0	
1.4	HQAM	6	0	17.77	17.69	17.75	19	0	

Band 5_Ant 1(DS18)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low (20465)	Power Middle (20525)	Power High (20585)	Turn-up (dB)	Turn-off (dB)	MRR (dB)
Channel									
Frequency (MHz)									
10	QPSK	1	0	20.37	20.37	20.37	21.5	0	
10	QPSK	1	25	20.37	20.37	20.37	21.5	0	
10	QPSK	1	49	20.31	20.38	20.34	21.5	0	
10	QPSK	25	0	20.43	20.43	20.34	21.5	0	
10	QPSK	25	12	20.38	20.42	20.32	21.5	0	
10	QPSK	25	25	20.35	20.46	20.31	21.5	0	
10	QPSK	50	0	20.29	20.39	20.30	21.5	0	
10	QPSK	50	0	20.29	20.41	20.30	21.5	0	
10	HQAM	1	25	20.34	20.40	20.38	21.5	0	
10	HQAM	1	49	20.32	20.38	20.33	21.5	0	
10	HQAM	25	0	20.38	20.41	20.37	21.5	0	
10	HQAM	25	12	20.35	20.42	20.39	21.5	0	
10	HQAM	25	25	20.23	20.36	20.27	21.5	0	
10	HQAM	50	0	20.30	20.40	20.35	21.5	0	
10	HQAM	1	0	20.39	20.50	20.35	21.5	0	
10	HQAM	1	25	20.38	20.41	20.38	21.5	0	
10	HQAM	1	49	20.34	20.38	20.27	21.5	0	
10	HQAM	25	0	20.41	20.44	20.40	21.5	0	
10	HQAM	25	12	20.48	20.50	20.42	21.5	0	
10	HQAM	25	25	20.38	20.42	20.41	21.5	0	
10	HQAM	50	0	20.37	20.41	20.34	21.5	0	
Channel									
Frequency (MHz)									
5	QPSK	1	0	20.37	20.37	20.40	21.5	0	
5	QPSK	1	12	20.29	20.34	20.31	21.5	0	
5	QPSK	1	24	20.31	20.28	20.27	21.5	0	
5	QPSK	12	0	20.35	20.46	20.43	21.5	0	
5	QPSK	12	7	20.32	20.32	20.38	21.5	0	
5	QPSK	12	13	20.34	20.39	20.38	21.5	0	
5	QPSK	25	0	20.24	20.31	20.34	21.5	0	
5	QPSK	25	12	20.38	20.34	20.38	21.5	0	
5	HQAM	1	12	20.35	20.38	20.38	21.5	0	
5	HQAM	1	24	20.28	20.23	20.31	21.5	0	
5	HQAM	1	48	20.34	20.32	20.31	21.5	0	
5	HQAM	12	7	20.35	20.27	20.39	21.5	0	
5	HQAM	12	13	20.29	20.29	20.35	21.5	0	
5	HQAM	25	0	20.46	20.48	20.41	21.5	0	
5	HQAM	1	0	20.30	20.26	20.37	21.5	0	
5	HQAM	1	12	20.34	20.34	20.38	21.5	0	
5	HQAM	1	24	20.36	20.36	20.38	21.5	0	
5	HQAM	12	0	20.38	20.43	20.43	21.5	0	
5	HQAM	12	13	20.32	20.32	20.35	21.5	0	
5	HQAM	25	0	20.37	20.34	20.40	21.5	0	
Channel									
Frequency (MHz)									
3	QPSK	1	0	20.49	20.44	20.41	21.5	0	
3	QPSK	1	8	20.30	20.38	20.35	21.5	0	
3	QPSK	1	14	20.34</					



Band 7_Ant 5(DS18)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Power Ch. Flat	Turn-up (dB)	Turn-down (dB)	MRR (dB)
Channel										
Frequency (MHz)										
20	QPSK	1	0	13.70	13.70	13.70	13.70	15	0	
20	QPSK	1	49	13.80	13.80	13.85	13.85	15	0	
20	QPSK	1	99	13.74	13.83	13.69	13.69	15	0	
20	QPSK	50	0	13.70	13.70	13.85	13.85	15	0	
20	QPSK	50	24	13.73	13.87	13.82	13.82	15	0	
20	QPSK	50	50	13.78	13.85	13.80	13.80	15	0	
20	QPSK	100	0	13.81	13.87	13.88	13.88	15	0	
20	QPSK	100	0	13.81	13.82	13.88	13.88	15	0	
20	HQAM	1	49	13.66	13.74	13.69	13.69	15	0	
20	HQAM	1	49	13.53	13.67	13.58	13.58	15	0	
20	HQAM	50	0	13.85	13.87	13.80	13.80	15	0	
20	HQAM	50	24	13.76	13.89	13.74	13.74	15	0	
20	HQAM	100	0	13.82	13.92	13.84	13.84	15	0	
20	HQAM	100	0	13.82	13.92	13.90	13.90	15	0	
20	BQAM	1	0	13.62	13.72	13.71	13.71	15	0	
20	BQAM	1	49	13.53	13.67	13.58	13.58	15	0	
20	BQAM	1	99	13.69	13.71	13.62	13.62	15	0	
20	BQAM	50	0	13.74	13.83	13.70	13.70	15	0	
20	BQAM	50	24	13.83	13.77	13.75	13.75	15	0	
20	BQAM	50	50	13.87	13.70	13.66	13.66	15	0	
20	BQAM	100	0	13.91	13.95	13.84	13.84	15	0	
Channel										
Frequency (MHz)										
15	QPSK	1	0	13.93	13.93	14.02	14.02	15	0	
15	QPSK	1	49	13.80	13.93	13.83	13.83	15	0	
15	QPSK	1	74	13.80	13.74	13.70	13.70	15	0	
15	QPSK	36	0	13.79	13.85	13.79	13.79	15	0	
15	QPSK	36	36	13.86	13.72	13.75	13.75	15	0	
15	QPSK	36	36	13.70	13.83	13.73	13.73	15	0	
15	QPSK	75	0	13.90	13.88	13.89	13.89	15	0	
15	QPSK	75	0	13.88	13.92	13.88	13.88	15	0	
15	HQAM	1	37	13.88	13.88	13.72	13.72	15	0	
15	HQAM	1	74	13.75	13.70	13.71	13.71	15	0	
15	HQAM	36	0	13.72	13.81	13.81	13.81	15	0	
15	HQAM	36	20	13.84	13.85	13.84	13.84	15	0	
15	HQAM	36	39	13.77	13.85	13.78	13.78	15	0	
15	HQAM	36	39	13.83	13.88	13.88	13.88	15	0	
15	BQAM	1	0	13.58	13.61	13.64	13.64	15	0	
15	BQAM	1	37	13.57	13.54	13.58	13.58	15	0	
15	BQAM	1	74	13.62	13.68	13.69	13.69	15	0	
15	BQAM	36	0	13.74	13.79	13.80	13.80	15	0	
15	BQAM	36	20	13.87	13.76	13.74	13.74	15	0	
15	BQAM	36	39	13.82	13.82	13.84	13.84	15	0	
15	BQAM	75	0	13.88	13.92	13.92	13.92	15	0	
Channel										
Frequency (MHz)										
10	QPSK	1	0	13.94	13.98	14.03	14.03	15	0	
10	QPSK	1	25	13.85	13.88	13.81	13.81	15	0	
10	QPSK	1	49	13.74	13.81	13.73	13.73	15	0	
10	QPSK	25	0	13.80	13.82	13.89	13.89	15	0	
10	QPSK	25	12	13.75	13.73	13.85	13.85	15	0	
10	QPSK	25	25	13.76	13.76	13.75	13.75	15	0	
10	QPSK	50	0	13.86	13.79	13.87	13.87	15	0	
10	HQAM	1	0	13.81	13.77	13.73	13.73	15	0	
10	HQAM	1	25	13.60	13.66	13.68	13.68	15	0	
10	HQAM	1	49	13.76	13.84	13.69	13.69	15	0	
10	HQAM	25	0	13.74	13.85	13.81	13.81	15	0	
10	HQAM	25	12	13.76	13.86	13.81	13.81	15	0	
10	HQAM	25	25	13.78	13.88	13.82	13.82	15	0	
10	HQAM	50	0	13.91	13.78	13.67	13.67	15	0	
10	HQAM	50	0	13.81	13.87	13.69	13.69	15	0	
10	BQAM	1	25	13.65	13.61	13.56	13.56	15	0	
10	BQAM	1	49	13.94	13.87	13.81	13.81	15	0	
10	BQAM	1	49	13.85	13.84	13.82	13.82	15	0	
10	BQAM	25	12	13.81	13.76	13.82	13.82	15	0	
10	BQAM	25	25	13.86	13.86	13.80	13.80	15	0	
10	BQAM	50	0	13.87	13.92	13.90	13.90	15	0	
Channel										
Frequency (MHz)										
5	QPSK	1	0	13.98	13.98	13.91	13.91	15	0	
5	QPSK	1	12	13.89	13.84	13.83	13.83	15	0	
5	QPSK	1	24	13.78	13.75	13.73	13.73	15	0	
5	QPSK	12	0	13.76	13.81	13.84	13.84	15	0	
5	QPSK	12	7	13.86	13.77	13.75	13.75	15	0	
5	QPSK	12	13	13.77	13.72	13.70	13.70	15	0	
5	QPSK	25	0	13.81	13.88	13.77	13.77	15	0	
5	HQAM	1	0	13.72	13.73	13.67	13.67	15	0	
5	HQAM	1	12	13.66	13.62	13.64	13.64	15	0	
5	HQAM	1	24	13.74	13.69	13.68	13.68	15	0	
5	HQAM	12	0	13.78	13.77	13.79	13.79	15	0	
5	HQAM	12	7	13.80	13.87	13.84	13.84	15	0	
5	HQAM	12	13	13.81	13.72	13.77	13.77	15	0	
5	HQAM	25	0	13.83	13.87	13.84	13.84	15	0	
5	BQAM	1	0	13.69	13.80	13.81	13.81	15	0	
5	BQAM	1	12	13.65	13.64	13.66	13.66	15	0	
5	BQAM	1	24	13.84	13.83	13.82	13.82	15	0	
5	BQAM	12	0	13.77	13.82	13.74	13.74	15	0	
5	BQAM	12	7	13.75	13.68	13.71	13.71	15	0	
5	BQAM	12	13	13.75	13.68	13.71	13.71	15	0	
5	BQAM	25	0	13.87	13.89	13.86	13.86	15	0	
5	BQAM	25	13	13.82	13.85	13.82	13.82	15	0	
5	BQAM	25	0	13.92	13.88	13.92	13.92	15	0	

Band 7_Ant 5(DS18)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Power Ch. Flat	Turn-up (dB)	Turn-down (dB)	MRR (dB)
Channel										
Frequency (MHz)										
20	QPSK	1	0	13.84	13.84	13.82	13.82	15	0	
20	QPSK	1	49	13.80	13.82	13.80	13.80	15	0	
20	QPSK	1	99	13.87	13.88	13.86	13.86	15	0	
20	QPSK	50	0	13.80	13.83	13.80	13.80	15	0	
20	QPSK	50	24	13.86	13.86	13.84	13.84	15	0	
20	QPSK	50	50	13.87	13.88	13.86	13.86	15	0	
20	QPSK	100	0	13.81	13.83	13.80	13.80	15	0	
20	QPSK	100	0	13.83	13.82	13.86	13.86	15	0	
20	HQAM	1	49	13.87	13.83	13.81	13.81	15	0	
20	HQAM	1	49	13.63	13.74	13.65	13.65	15	0	
20	HQAM	50	0	13.81	13.81	13.80	13.80	15	0	
20	HQAM	50	24	13.77	13.87	13.83	13.83	15	0	
20	HQAM	100	0	13.80	13.84	13.81	13.81	15	0	
20	HQAM	100	0	13.83	13.71	13.85	13.85	15	0	
20	BQAM	1	0	13.68	13.83	13.78	13.78	15	0	
20	BQAM	1	49	13.63	13.77	13.65	13.65	15	0	
20	BQAM	1	99	13.74	13.62	13.68	13.68	15	0	
20	BQAM	50	0	13.69	13.73	13.62	13.62	15	0	
20	BQAM	50	24	13.69	13.62	13.61	13.61	15	0	
20	BQAM	50	50	13.81	13.45	13.37	13.37	18	1.5	
20	BQAM	100	0	13.80	13.83	13.82	13.82	15	0	
Channel										
Frequency (MHz)										
15	QPSK	1	0	13.86	13.81	13.87	13.87	15	0	
15	QPSK	1	37	13.83	13.86	13.88	13.88	15	0	
15	QPSK	1	74	13.84	13.84	13.80	13.80	15	0	
15	QPSK	36	0	13.87	13.88	13.87	13.87	15	0	
15	QPSK	36	36	13.81	13.85	13.84	13.84	15	0	
15	QPSK	75	0	13.86	13.89	13.87	13.87	15	0	
15	QPSK	75	0	13.83	13.85	13.84	13.84	15	0	
15	HQAM	1	37	13.85	13.29	13.33	13.33	15		



Band 26_Ant 0(DS18)

BW (MHz)	Modulation	RB Size	RB Offset	Power Low	Power Mid	Power High	Turn-up	MPR
				26175	26695	26995		
15	QPSK	1	0	17.23	17.43	17.59		
15	QPSK	1	37	17.06	17.21	17.07		
15	QPSK	1	74	17.01	17.02	16.99		
15	QPSK	36	0	17.23	17.23	17.26		
15	QPSK	36	20	17.03	17.15	17.11		
15	QPSK	36	39	17.13	17.23	17.22		
15	QPSK	75	0	17.18	17.28	17.18		
15	16QAM	1	0	17.06	17.15	17.04		
15	16QAM	1	37	17.38	17.48	17.39		
15	16QAM	1	74	17.23	17.23	17.23		
15	16QAM	36	0	17.23	17.23	17.23		
15	16QAM	36	20	16.97	17.08	16.95		
15	16QAM	36	39	17.22	17.24	17.12		
15	16QAM	75	0	17.03	17.14	17.01		
15	16QAM	1	0	17.26	17.28	17.21		
15	16QAM	1	37	17.23	17.25	17.24		
15	16QAM	1	74	17.08	17.20	17.10		
15	16QAM	36	0	17.13	17.25	17.23		
15	16QAM	36	20	17.12	17.19	17.13		
15	16QAM	36	39	17.11	17.21	17.16		
15	16QAM	75	0	17.18	17.22	17.18		

Channel	Frequency (MHz)	Turn-up (dB)	MPR (dB)					
Channel	815	815	844					
15	QPSK	1	0	21.26	21.22	21.20		
15	QPSK	1	37	21.04	21.07	21.05		
15	QPSK	1	74	21.16	21.22	21.08		
15	QPSK	36	0	21.05	21.05	21.05		
15	QPSK	36	20	21.08	21.30	21.18		
15	QPSK	36	39	21.17	21.27	21.23		
15	QPSK	75	0	21.06	21.06	21.06		
15	16QAM	1	0	20.95	21.10	21.01		
15	16QAM	1	37	21.12	21.21	21.15		
15	16QAM	1	74	21.03	21.07	21.02		
15	16QAM	36	0	21.06	21.17	21.14		
15	16QAM	36	20	21.10	21.17	21.12		
15	16QAM	36	39	21.06	21.16	21.07		
15	16QAM	75	0	21.01	21.06	21.05		
15	16QAM	1	0	21.21	21.26	21.13		
15	16QAM	1	37	20.90	21.05	20.93		
15	16QAM	1	74	21.01	21.07	20.97		
15	16QAM	36	0	21.27	21.34	21.25		
15	16QAM	36	20	21.03	21.09	21.07		
15	16QAM	36	39	21.06	21.10	21.06		
15	16QAM	75	0	21.07	21.15	21.14		

Channel	Frequency (MHz)	Turn-up (dB)	MPR (dB)					
Channel	819	815	844					
15	QPSK	1	0	21.26	21.22	21.20		
15	QPSK	1	37	21.04	21.07	21.05		
15	QPSK	1	74	21.16	21.22	21.08		
15	QPSK	36	0	21.05	21.05	21.05		
15	QPSK	36	20	21.08	21.30	21.18		
15	QPSK	36	39	21.17	21.27	21.23		
15	QPSK	75	0	21.06	21.06	21.06		
15	16QAM	1	0	21.13	21.13	21.13		
15	16QAM	1	37	21.06	21.06	20.95		
15	16QAM	1	74	21.00	21.00	20.91		
15	16QAM	36	0	21.12	21.07	21.09		
15	16QAM	36	20	21.05	21.11	21.02		
15	16QAM	36	39	21.14	21.23	21.14		
15	16QAM	75	0	21.13	21.13	21.24		
15	16QAM	1	0	21.31	21.31	21.26		
15	16QAM	1	37	20.96	20.95	20.95		
15	16QAM	1	74	21.01	21.01	21.01		
15	16QAM	36	0	21.31	21.31	21.26		
15	16QAM	36	20	21.02	21.03	21.02		
15	16QAM	36	39	21.09	21.09	21.08		
15	16QAM	75	0	21.11	21.08	21.09		

Channel	Frequency (MHz)	Turn-up (dB)	MPR (dB)					
Channel	26175	26695	27025					
5	QPSK	1	0	21.20	21.20	21.23		
5	QPSK	1	12	21.16	21.20	21.22		
5	QPSK	1	25	21.19	21.21	21.25		
5	QPSK	12	0	21.20	21.21	21.24		
5	QPSK	12	7	21.23	21.28	21.24		
5	QPSK	12	13	21.24	21.31	21.25		
5	QPSK	25	0	21.18	21.27	21.21		
5	16QAM	1	0	21.08	21.03	20.98		
5	16QAM	1	12	21.17	21.15	21.14		
5	16QAM	1	24	21.02	20.98	21.03		
5	16QAM	12	0	21.10	21.06	21.07		
5	16QAM	12	7	21.16	21.20	21.16		
5	16QAM	12	13	21.13	21.08	21.04		
5	16QAM	25	0	21.03	20.97	20.95		
5	16QAM	1	12	21.00	20.97	21.00		
5	16QAM	1	24	20.92	20.93	21.01		
5	16QAM	12	7	21.09	21.07	21.08		
5	16QAM	12	13	21.06	21.02	21.08		
5	16QAM	25	0	21.00	21.07	21.07		

Channel	Frequency (MHz)	Turn-up (dB)	MPR (dB)					
Channel	26175	26695	27025					
3	QPSK	1	0	21.20	21.20	21.22		
3	QPSK	1	8	21.16	21.13	21.14		
3	QPSK	1	14	21.18	21.10	21.19		
3	QPSK	8	0	21.31	21.21	21.21		
3	QPSK	8	4	21.30	21.25	21.20		
3	QPSK	8	7	21.24	21.12	21.22		
3	16QAM	1	0	21.06	21.03	21.07		
3	16QAM	1	8	21.08	21.19	21.15		
3	16QAM	1	14	21.01	21.03	20.95		
3	16QAM	8	0	21.06	21.02	21.14		
3	16QAM	8	4	21.11	21.05	21.08		
3	16QAM	8	7	21.07	21.14	21.15		
3	16QAM	15	0	21.03	20.99	20.92		
3	16QAM	1	0	21.13	21.18	21.15		
3	16QAM	1	8	21.00	21.04	20.97		
3	16QAM	1	14	21.03	20.94	20.93		
3	16QAM	8	0	21.25	21.33	21.26		
3	16QAM	8	4	21.01	21.02	21.07		
3	16QAM	8	7	21.08	21.08	21.09		
3	16QAM	15	0	21.10	21.10	21.14		

Channel	Frequency (MHz)	Turn-up (dB)	MPR (dB)					
Channel	814.7	831.5	848.3					
1.4	QPSK	1	0	21.31	21.33	21.28		
1.4	QPSK	1	3	21.18	21.22	21.17		
1.4	QPSK	1	5	21.07	21.21	21.20		
1.4	QPSK	3	0	21.22	21.18	21.21		
1.4	QPSK	3	1	21.20	21.20	21.17		
1.4	QPSK	3	3	21.13	21.16	21.15		
1.4	QPSK	8	0	21.29	21.20	21.23		
1.4	16QAM	1	0	21.02	20.97	21.00		
1.4	16QAM	1	3	21.11	21.19	21.17		
1.4	16QAM	1	5	21.04	20.92	20.99		
1.4	16QAM	3	0	21.02	21.08	21.05		
1.4	16QAM	3	1	21.15	21.05	21.14		
1.4	16QAM	3	3	21.03	21.11	21.07		
1.4	16QAM	8	0	21.05	21.03	21.00		
1.4	16QAM	1	0	21.15	21.14	21.22		
1.4	16QAM	1	3	21.03	21.04	21.01		
1.4	16QAM	1	5	21.00	21.02	20.94		
1.4	16QAM	3	0	21.31	21.31	21.25		
1.4	16QAM	3	1	21.01	21.08	21.03		
1.4	16QAM	3	3	21.00	21.09	21.07		
1.4	16QAM	8	0	21.14	21.13	21.10		

Channel	Frequency (MHz)	Turn-up (dB)	MPR (dB)					
Channel	815	815	845					
1.4	QPSK	1	0	23.24	23.19	23.21		
1.4	QPSK	1	1	23.29	23.32	23.28		
1.4	QPSK	3	0	23.15	23.30	23.38		
1.4	QPSK	3	1	23.16	23.31	23.30		
1.4	QPSK	8	0	23.23	23.26	23.33		
1.4	16QAM	1	0	22.30	22.60	22.43		
1.4	16QAM	1	5	22.58	22.13	22.61		
1.4	16QAM	3	0	22.08	22.48	22.53		
1.4	16QAM	3	1	22.59	22.92	22.61		
1.4	16QAM	3	3	22.41	22.43	22.21		
1.4	16QAM	8	0	21.40	21.47	21.48		
1.4	16QAM	1	0	21.58	21.88	21.45		
1.4	16QAM	1	3	21.32	21.38	21.27		
1.4	16QAM	1	5	21.43	21.51	21.49		
1.4	16QAM	3	0	21.17	21.37	21.43		
1.4	16QAM	3	1	21.53	21.09	21.53		
1.4	16QAM	3	3	21.21	21.33	21.28		
1.4	16QAM	8	0	20.19	20.28	20.22		

Band 26_Ant 1(DS18)

BW (MHz)	Modulation	RB Size	RB Offset	Power Low	Power Mid	Power High	Turn-up	MPR
				26175	26695	26995		
15	QPSK	1	0	17.23	17.43	17.59		
15	QPSK	1	37	17.06	17.21	17.07		
15	QPSK	1	74	17.01	17.02	16.99		
15	QPSK	36	0	17.23	17.23	17.26		
15	QPSK	36	20	17.03	17.15	17.11		
15	QPSK	36	39	17.13	17.23	17.22		
15	QPSK	75	0	17.18	17.28	17.18		
15	16QAM	1	0	17.06	17.15	17.04		
15	16QAM	1	37	17.38	17.48	17.39		
15	16QAM	1	74	17.23	17.23	17.23		
15	16QAM	36	0	17.23	17.23	17.23		
15	16QAM	36	20	16.97	17.08	16.95		
15	16QAM	36	39	17.22	17.24	17.12		
15	16QAM	75	0	17.03	17.14	17.01		
15	16QAM	1	0	17.26	17.28	17.21		
15	16QAM	1	37	17.23	17.25	17.24		
15	16QAM	1	74	17.08	17.20	17.10		
15	16QAM	36	0	17.13	17.25	17.23		
15	16QAM	36	20	17.12	17.19</			



Reduced Power for receiver off/Hotspot

Table for Band 5_Ant 0(DS117) with columns: Channel, Power Low, Power Middle, Power High, Turn-up, and MPR. Includes sub-tables for Frequency (MHz) and Channel for various modulation types like QPSK and HQAM.

Table for Band 5_Ant 1(DS117) with columns: Channel, Power Low, Power Middle, Power High, Turn-up, and MPR. Includes sub-tables for Frequency (MHz) and Channel for various modulation types like QPSK and HQAM.

Table for Band 7_Ant 1(DS117) with columns: Channel, Power Low, Power Middle, Power High, Turn-up, and MPR. Includes sub-tables for Frequency (MHz) and Channel for various modulation types like QPSK and HQAM.

Table for Band 7_Ant 4(DS117) with columns: Channel, Power Low, Power Middle, Power High, Turn-up, and MPR. Includes sub-tables for Frequency (MHz) and Channel for various modulation types like QPSK and HQAM.

Conducted Full Power for Inter CA LTE

Band 2_Ant 4(Default)											
BW [MHz]	Modulation	RB Size	RB Offset	Power [Ch. / Freq.]	Power [Ch. / Freq.]	Power [Ch. / Freq.]	Time-up [min]	MPR [dB]			
Channel											
Frequency [MHz]											
20	QPSK	1	0	23.21	23.26	23.04					
20	QPSK	1	49	23.99	23.21	22.96					
20	QPSK	1	99	24.44	23.19	22.78					
20	QPSK	50	0	22.16	22.18	22.15					
20	QPSK	50	24	22.15	22.12	22.12					
20	QPSK	50	99	22.11	22.08	22.14					
20	QPSK	100	0	22.12	22.13	22.10					
20	16QAM	1	0	22.43	22.69	22.11					
20	16QAM	1	49	22.43	22.49	22.15					
20	16QAM	1	99	22.35	22.26	22.17					
20	16QAM	50	0	21.99	21.99	21.98					
20	16QAM	50	24	21.94	21.93	21.14					
20	16QAM	50	99	21.99	21.13	21.63					
20	16QAM	100	0	21.14	21.86	21.13					
20	16QAM	1	0	21.45	21.56	21.09					
20	16QAM	1	49	21.40	21.56	21.06					
20	16QAM	1	99	21.18	21.10	21.09					
20	16QAM	50	0	20.20	20.14	20.11					
20	16QAM	50	24	20.21	20.14	20.11					
20	16QAM	50	99	20.13	20.10	20.06					
20	16QAM	100	0	20.19	20.06	20.03					
				18975	18990	19125					
Channel											
Frequency [MHz]											
15	QPSK	1	0	23.10	23.00	22.98					
15	QPSK	1	37	23.07	23.08	22.83					
15	QPSK	1	74	22.81	22.95	22.84					
15	QPSK	1	111	23.02	22.91	22.91					
15	QPSK	36	20	22.02	22.07	22.09					
15	QPSK	36	70	22.02	22.00	22.03					
15	QPSK	36	111	22.04	21.99	22.02					
15	16QAM	1	0	22.38	22.44	22.04					
15	16QAM	1	37	22.29	22.47	22.08					
15	16QAM	1	74	22.29	22.32	22.04					
15	16QAM	36	0	21.04	21.04	21.05					
15	16QAM	1	20	21.12	21.00	21.01					
15	16QAM	36	70	21.06	21.00	20.99					
15	16QAM	75	0	21.10	20.92	21.09					
15	16QAM	1	20	21.27	21.43	21.06					
15	16QAM	1	37	21.27	21.43	21.26					
15	16QAM	1	74	21.16	20.96	21.08					
15	16QAM	36	0	20.32	20.14	20.09					
15	16QAM	36	20	20.14	20.07	20.07					
15	16QAM	36	39	20.08	20.20	19.98					
15	16QAM	75	0	19.50	19.94	19.97					
Channel											
Frequency [MHz]											
10	QPSK	1	0	18.95	18.93	19.05					
10	QPSK	1	23	18.93	18.93	19.03					
10	QPSK	1	49	18.76	18.87	18.84					
10	QPSK	25	0	18.15	18.16	18.01					
10	QPSK	25	23	18.09	18.22	18.08					
10	QPSK	25	25	18.16	18.01	18.01					
10	QPSK	50	0	18.01	18.05	18.07					
10	16QAM	1	0	18.40	18.41	18.34					
10	16QAM	1	49	18.38	18.46	18.37					
10	16QAM	1	99	18.33	18.46	18.31					
10	16QAM	25	0	18.46	18.47	18.55					
10	16QAM	25	12	18.58	18.58	18.56					
10	16QAM	25	19	18.49	18.49	18.49					
10	16QAM	50	0	18.50	18.48	18.43					
10	16QAM	1	0	18.42	18.45	18.40					
10	16QAM	1	49	18.38	18.46	18.37					
10	16QAM	1	99	18.38	18.46	18.31					
10	16QAM	25	0	18.29	18.32	18.32					
10	16QAM	25	12	18.50	18.50	18.52					
10	16QAM	25	19	18.40	18.47	18.44					
10	16QAM	50	0	18.50	18.47	18.48					
				18950	18960	19075					
Channel											
Frequency [MHz]											
5	QPSK	1	0	21.60	21.58	21.63					
5	QPSK	1	12	21.55	21.63	21.56					
5	QPSK	1	24	21.57	21.63	21.64					
5	QPSK	12	0	20.56	20.55	20.51					
5	QPSK	12	7	20.39	20.29	20.24					
5	QPSK	12	14	20.32	20.26	20.42					
5	QPSK	25	0	20.30	20.40	20.30					
5	QPSK	1	12	20.37	20.30	20.51					
5	16QAM	1	24	20.88	20.70	20.63					
5	16QAM	1	12	19.90	19.90	19.85					
5	16QAM	12	7	19.52	19.48	19.51					
5	16QAM	1	13	19.48	19.40	19.41					
5	16QAM	12	0	19.58	19.47	19.39					
5	16QAM	1	0	19.38	19.47	19.37					
5	16QAM	1	12	19.29	19.25	19.31					
5	16QAM	12	0	19.39	19.36	19.45					
5	16QAM	12	7	18.48	18.47	18.48					
5	16QAM	12	14	18.46	18.38	18.46					
5	16QAM	25	0	18.45	18.47	18.52					
				18915	18930	19193					
Channel											
Frequency [MHz]											
1.4	QPSK	1	0	21.58	21.42	21.42					
1.4	QPSK	1	5	21.54	21.64	21.63					
1.4	QPSK	1	5	21.58	21.61	21.54					
1.4	QPSK	3	1	21.51	21.51	21.52					
1.4	QPSK	3	1	21.28	21.37	21.39					
1.4	QPSK	3	3	21.34	21.46	21.47					
1.4	QPSK	1	0	20.62	20.74	20.73					
1.4	16QAM	1	3	20.85	20.82	20.50					
1.4	16QAM	1	0	20.76	20.69	20.66					
1.4	16QAM	3	0	20.41	20.51	20.40					
1.4	16QAM	6	0	19.46	19.45	19.40					
1.4	16QAM	1	0	19.44	19.46	19.45					
1.4	16QAM	1	5	19.37	19.35	19.37					
1.4	16QAM	1	5	19.38	19.25	19.24					
1.4	16QAM	3	0	19.24	19.25	19.31					
1.4	16QAM	3	1	19.51	19.50	19.45					
1.4	16QAM	3	1	19.40	19.39	19.43					
1.4	16QAM	6	0	18.46	18.46	18.51					

Band 2_Ant 5(Default)											
BW [MHz]	Modulation	RB Size	RB Offset	Power [Ch. / Freq.]	Power [Ch. / Freq.]	Power [Ch. / Freq.]	Time-up [min]	MPR [dB]			
Channel											
Frequency [MHz]											
20	QPSK	1	0	21.72	22.02	21.74					
20	QPSK	1	49	21.67	21.80	21.74					
20	QPSK	1	99	21.50	21.62	21.63					
20	QPSK	50	0	20.80	20.67	20.62					
20	QPSK	50	24	20.40	20.45	20.34					
20	QPSK	50	99	20.49	20.63	20.54					
20	QPSK	100	0	20.43	20.55	20.47					
20	16QAM	1	0	20.77	20.89	20.77					
20	16QAM	1	49	20.93	20.96	20.86					
20	16QAM	1	99	20.71	20.52	20.77					
20	16QAM	50	0	19.51	19.58	19.46					
20	16QAM	50	24	19.58	19.67	19.45					
20	16QAM	50	99	19.54	19.62	19.56					
20	16QAM	100	0	19.54	19.62	19.56					
20	16QAM	1	0	19.40	19.46	19.51					
20	16QAM	1	49	19.40	19.45	19.41					
20	16QAM	1	99	19.33	19.38	19.27					
20	16QAM	50	0	18.34	18.47	18.42					
20	16QAM	50	24	18.54	18.55	18.47					
20	16QAM	50	99	18.46	18.58	18.47					
20	16QAM	100	0	18.54	18.58	18.53					
Channel											
Frequency [MHz]											
15	QPSK	1	0	21.58	21.64	21.61					
15	QPSK	1	37	21.40	21.53	21.67					
15	QPSK	1	74	21.53	21.65	21.63					
15	QPSK	1	111	21.58	21.65	21.62					
15	QPSK	36	20	20.35	20.34	20.26					
15	QPSK	36	70	20.36	20.43	20.44					
15	QPSK	36	111	20.29	20.28	20.33					
15	16QAM	1	0	20.70	20.72	20.63					
15	16QAM	1	37	20.81	20.86	20.80					
15	16QAM	1	74	20.68	20.68	20.65					
15	16QAM	36	0	19.45	19.56	19.52					
15	16QAM	36	20	19.49	19.49	19.49					
15	16QAM	36	70	19.44	19.47	19.47					
15	16QAM	75	0	19.46	19.49	19.52					
15	16QAM	1	20	19.29	19.28	19.33					
15	16QAM	1	37	19.38	19.37	19.28					
1											



Reduced Power for Inter CA LTE receiver on

Band 2_Ant 4(DS18)											
BW [MHz]	Modulation	RB Size	RB Offset	Power [dBm]	Power [dBm]	Power [dBm]	Time-up [min]	MFR [dB]			
Channel				Ch./Freq	Ch./Freq	Ch./Freq					
Channel 18875 18900 19185											
Frequency (MHz)											
20	QPSK	1	0	23.21	23.26	23.04					
20	QPSK	1	49	23.09	23.21	23.26					
20	QPSK	1	99	23.09	23.21	23.26					
20	QPSK	50	0	22.16	22.18	22.15					
20	QPSK	50	24	22.15	22.12	22.12					
20	QPSK	50	50	22.11	22.08	22.14					
20	QPSK	100	0	22.12	22.13	22.10					
20	16QAM	1	0	22.43	22.59	22.11					
20	16QAM	1	49	22.43	22.49	22.15					
20	16QAM	1	99	22.35	22.20	22.17					
20	16QAM	50	0	21.09	21.09	21.08					
20	16QAM	50	24	20.94	21.01	21.14					
20	16QAM	50	50	21.09	21.13	21.03					
20	16QAM	100	0	21.14	21.02	21.13					
20	16QAM	1	49	21.40	21.56	21.26					
20	16QAM	1	99	21.18	21.10	21.09					
20	16QAM	50	0	20.94	21.01	21.14					
20	16QAM	50	24	20.21	20.14	20.11					
20	16QAM	50	50	20.13	20.16	20.05					
20	16QAM	100	0	20.19	20.08	20.03					
Channel 18875 18900 19185											
Frequency (MHz)											
15	QPSK	1	0	23.10	23.00	22.98					
15	QPSK	1	37	23.07	23.08	22.83					
15	QPSK	1	74	22.81	22.95	22.84					
15	QPSK	1	111	22.02	22.22	22.02					
15	QPSK	36	20	22.02	22.07	22.09					
15	QPSK	36	39	22.08	22.00	22.03					
15	QPSK	36	79	22.04	21.99	22.02					
15	16QAM	1	0	22.38	22.44	22.04					
15	16QAM	1	37	22.29	22.47	22.08					
15	16QAM	1	74	21.82	21.89	21.09					
15	16QAM	36	0	21.04	21.04	21.05					
15	16QAM	36	20	21.12	21.00	21.09					
15	16QAM	36	39	20.98	21.06	21.09					
15	16QAM	75	0	21.16	20.92	21.09					
15	16QAM	1	37	21.27	21.43	21.26					
15	16QAM	1	74	21.16	20.96	21.06					
15	16QAM	36	0	21.04	21.04	21.05					
15	16QAM	36	20	20.14	20.07	20.07					
15	16QAM	36	39	20.28	20.20	19.98					
15	16QAM	75	0	21.03	20.98	21.00					
Channel 18850 18900 19150											
Frequency (MHz)											
10	QPSK	1	0	23.13	23.13	23.03					
10	QPSK	1	25	23.04	23.10	22.84					
10	QPSK	1	49	22.78	22.87	22.84					
10	QPSK	25	0	22.15	22.16	22.01					
10	QPSK	25	12	22.09	22.08	22.08					
10	QPSK	25	25	22.06	22.01	21.91					
10	QPSK	50	0	22.01	22.05	22.07					
10	16QAM	1	0	22.40	22.43	22.03					
10	16QAM	1	25	22.37	22.48	22.04					
10	16QAM	1	49	22.02	22.16	22.11					
10	16QAM	25	0	21.03	21.08	21.08					
10	16QAM	25	12	21.12	20.91	21.08					
10	16QAM	25	25	21.08	20.99	21.12					
10	16QAM	50	0	21.23	21.14	21.08					
10	16QAM	1	49	21.43	21.14	21.08					
10	16QAM	1	49	21.05	21.09	21.04					
10	16QAM	25	0	20.11	20.11	20.12					
10	16QAM	25	12	20.14	20.07	20.07					
10	16QAM	25	25	20.13	20.17	20.09					
10	16QAM	50	0	20.19	20.15	20.08					
Channel 18825 18900 19075											
Frequency (MHz)											
5	QPSK	1	0	23.08	23.24	23.02					
5	QPSK	1	12	22.98	23.14	22.92					
5	QPSK	1	24	22.81	22.97	22.79					
5	QPSK	12	0	22.14	22.14	22.01					
5	QPSK	12	7	22.01	22.02	22.05					
5	QPSK	12	14	22.04	22.02	22.02					
5	QPSK	25	0	22.00	22.05	21.99					
5	QPSK	1	12	22.29	22.36	22.06					
5	16QAM	1	24	22.25	22.12	22.12					
5	16QAM	1	12	22.07	22.07	21.07					
5	16QAM	12	7	21.20	20.99	20.99					
5	16QAM	12	14	21.20	21.11	20.98					
5	16QAM	12	21	21.43	21.23	21.09					
5	16QAM	1	12	21.31	21.45	21.25					
5	16QAM	1	24	20.94	21.00	21.04					
5	16QAM	12	0	20.10	20.05	20.11					
5	16QAM	12	7	20.19	20.06	20.02					
5	16QAM	12	14	20.18	20.03	20.12					
5	16QAM	25	0	20.24	20.10	20.06					
5	16QAM	15	0	20.16	20.03	20.02					
Channel 18815 18900 19185											
Frequency (MHz)											
3	QPSK	1	0	23.16	23.16	22.98					
3	QPSK	1	8	23.01	23.15	22.85					
3	QPSK	1	14	22.78	22.80	22.73					
3	QPSK	8	0	22.01	22.02	22.02					
3	QPSK	8	4	22.13	22.11	22.07					
3	QPSK	8	7	21.98	22.06	22.13					
3	QPSK	15	0	21.97	22.04	22.06					
3	16QAM	1	0	22.35	22.48	22.01					
3	16QAM	1	8	22.25	22.19	22.10					
3	16QAM	8	0	20.98	20.98	21.06					
3	16QAM	8	4	21.10	20.99	21.09					
3	16QAM	15	0	20.95	21.07	20.99					
3	16QAM	1	8	21.38	21.47	21.17					
3	16QAM	1	14	21.05	21.01	21.06					
3	16QAM	8	0	20.18	20.03	20.12					
3	16QAM	8	4	20.14	20.11	20.05					
3	16QAM	8	7	20.15	20.18	20.08					
3	16QAM	15	0	20.16	20.03	20.02					
Channel 18807 18900 19193											
Frequency (MHz)											
1.4	QPSK	1	0	17.07	17.23	17.65					
1.4	QPSK	1	3	16.96	17.00	16.98					
1.4	QPSK	1	5	17.13	16.96	17.61					
1.4	QPSK	3	0	16.95	16.95	16.92					
1.4	QPSK	3	1	16.99	16.70	16.61					
1.4	QPSK	3	3	16.70	16.84	16.55					
1.4	QPSK	6	0	16.79	16.81	16.73					
1.4	QPSK	1	0	16.74	17.08	16.90					
1.4	16QAM	1	3	16.87	16.87	16.85					
1.4	16QAM	1	0	16.82	16.89	16.82					
1.4	16QAM	3	0	16.56	16.79	16.70					
1.4	16QAM	3	1	16.54	16.73	16.55					
1.4	16QAM	3	1	16.92	17.03	16.61					
1.4	16QAM	6	0	16.69	16.92	16.82					
1.4	16QAM	1	0	16.62	16.84	16.63					
1.4	16QAM	3	0	16.63	16.88	16.82					
1.4	16QAM	1	0	16.90	16.80	16.78					
1.4	16QAM	3	0	16.96	16.84	16.72					
1.4	16QAM	3	1	16.84	16.81	16.71					
1.4	16QAM	3	3	16.98	16.91	16.80					
1.4	16QAM	6	0	16.80	16.70	16.83					

Band 2_Ant 5(DS18)											
BW [MHz]	Modulation	RB Size	RB Offset	Power [dBm]							



Band 2_Ant 4(DS117)

BW [MHz]	Modulation	RS Size	RB Offset	Power [W]	Power Ch./Frac.	Power Ch./Frac.	Power Ch./Frac.	Time-up [s]	MPR [dB]
Channel	Channel			18700	18900	19100			
Frequency (MHz)			Time-up [s]	MPR [dB]					
20	QPSK	1	0	22.16	22.28	22.15			
20	QPSK	1	49	22.13	22.21	22.07	23	0	
20	QPSK	1	29	22.16	22.06	22.07	23	0	
20	QPSK	50	0	22.10	22.18	22.14			
20	QPSK	50	24	22.02	22.12	21.99	23	0	
20	QPSK	50	29	21.98	22.08	22.02	23	0	
20	QPSK	100	0	21.99	22.13	22.03			
20	16QAM	1	0	21.91	22.01	21.88			
20	16QAM	1	49	21.77	21.91	21.78	23	0	
20	16QAM	1	29	21.83	21.88	21.82	23	0	
20	16QAM	50	0	21.80	21.80	21.86			
20	16QAM	50	24	20.86	20.96	20.82	23	0	
20	16QAM	50	29	21.09	21.13	20.98	22	1	
20	16QAM	100	0	21.01	21.02	20.93			
20	64QAM	1	0	21.07	21.15	21.04			
20	64QAM	1	49	21.51	21.44	21.42	22	1	
20	64QAM	1	29	21.11	21.10	21.03	22	1	
20	64QAM	50	0	20.84	20.84	20.86			
20	64QAM	50	24	20.06	20.14	20.06	21	2	
20	64QAM	50	29	20.09	20.10	20.06	21	2	
20	64QAM	100	0	19.98	20.08	20.01			
Channel									
Frequency (MHz)			Time-up [s]	MPR [dB]					
15	QPSK	1	0	22.17	22.00	22.19			
15	QPSK	1	37	21.95	21.99	22.06	23	0	
15	QPSK	1	74	21.83	21.78	21.86	23	0	
15	QPSK	36	20	22.04	22.11	22.05	23	0	
15	QPSK	36	39	22.09	22.11	22.10	23	0	
15	QPSK	36	79	22.02	22.09	22.02	23	0	
15	16QAM	1	0	21.76	21.72	21.82			
15	16QAM	1	37	21.79	21.76	21.80	23	0	
15	16QAM	1	74	21.12	21.16	21.15	22	1	
15	16QAM	36	0	20.94	21.07	21.00			
15	16QAM	36	39	20.98	21.08	20.99	22	1	
15	16QAM	36	79	21.01	20.99	21.09	22	1	
15	64QAM	1	0	21.34	21.34	21.34	22	1	
15	64QAM	1	37	21.31	21.34	21.34	22	1	
15	64QAM	1	74	21.10	21.12	21.17	21	2	
15	64QAM	36	0	20.19	20.12	20.14	21	2	
15	64QAM	36	39	20.09	20.10	20.08	21	2	
15	64QAM	36	79	20.08	20.10	20.08	21	2	
Channel									
Frequency (MHz)			Time-up [s]	MPR [dB]					
10	QPSK	1	0	22.07	22.11	22.07	23	0	
10	QPSK	1	49	21.81	21.84	21.88	23	0	
10	QPSK	25	0	22.08	22.13	22.06			
10	QPSK	25	24	22.07	22.10	22.10	23	0	
10	QPSK	25	25	22.06	22.04	22.00			
10	QPSK	50	0	22.09	22.11	22.05			
10	16QAM	1	0	21.75	21.79	21.73	23	0	
10	16QAM	1	49	21.89	21.86	21.97	23	0	
10	16QAM	1	24	21.88	21.88	21.07	23	0	
10	16QAM	25	0	21.09	21.17	21.10	22	1	
10	16QAM	25	24	21.13	21.10	21.06	22	1	
10	16QAM	25	25	21.37	21.38	21.43	22	1	
10	64QAM	1	0	21.34	21.34	21.34	22	1	
10	64QAM	1	49	21.14	21.11	21.05	22	1	
10	64QAM	25	0	20.15	20.10	20.18	21	2	
10	64QAM	25	24	20.04	20.10	20.09	21	2	
10	64QAM	25	25	20.15	20.10	20.12	21	2	
Channel									
Frequency (MHz)			Time-up [s]	MPR [dB]					
5	QPSK	1	0	22.18	22.10	22.07	23	0	
5	QPSK	1	12	21.99	22.02	22.09	23	0	
5	QPSK	12	6	22.11	22.08	22.08	23	0	
5	QPSK	12	7	22.08	22.13	22.04	23	0	
5	QPSK	25	0	22.06	22.06	22.06			
5	QPSK	25	0	22.06	22.09	22.08			
5	16QAM	1	0	21.74	21.78	21.75	23	0	
5	16QAM	1	24	21.69	21.67	21.69	23	0	
5	16QAM	12	7	21.20	21.19	21.14	22	1	
5	16QAM	12	13	21.26	21.23	21.28	22	1	
5	16QAM	25	0	21.09	21.11	21.11	21	2	
5	16QAM	25	0	21.34	21.31	21.37	21	2	
5	64QAM	1	0	21.38	21.27	21.27	21	2	
5	64QAM	12	6	21.09	21.11	21.04	21	2	
5	64QAM	12	7	20.15	20.15	20.15			
5	64QAM	12	7	20.13	20.15	20.20	21	2	
5	64QAM	25	0	20.09	20.11	20.11			
5	64QAM	25	0	20.14	20.12	20.13			
Channel									
Frequency (MHz)			Time-up [s]	MPR [dB]					
3	QPSK	1	0	22.07	22.11	22.17	23	0	
3	QPSK	1	8	22.01	22.06	22.05	23	0	
3	QPSK	1	14	21.80	21.86	21.80	23	0	
3	QPSK	8	4	22.10	22.10	22.00	23	0	
3	QPSK	8	4	22.06	22.10	22.14	23	0	
3	QPSK	15	7	22.03	22.08	22.08	23	0	
3	16QAM	1	0	21.79	21.74	21.72	23	0	
3	16QAM	1	14	21.71	21.73	21.67	23	0	
3	16QAM	8	0	20.88	21.04	21.06	22	1	
3	16QAM	8	4	21.09	21.11	21.10	22	1	
3	16QAM	15	7	21.01	20.98	20.94	22	1	
3	64QAM	1	0	21.01	21.07	20.99	22	1	
3	64QAM	1	8	21.25	21.20	21.30	22	1	
3	64QAM	1	14	21.04	21.09	21.12	22	1	
3	64QAM	8	0	20.11	20.13	20.12	21	2	
3	64QAM	8	4	20.17	20.13	20.19	21	2	
3	64QAM	8	7	20.07	20.03	20.08	21	2	
3	64QAM	15	0	20.00	20.14	20.16			
Channel									
Frequency (MHz)			Time-up [s]	MPR [dB]					
1.4	QPSK	1	0	22.07	22.10	22.17	23	0	
1.4	QPSK	1	5	21.83	21.77	21.84	23	0	
1.4	QPSK	3	1	22.10	22.09	22.04			
1.4	QPSK	3	1	22.10	22.08	22.10			
1.4	QPSK	3	3	22.05	22.10	22.05	23	0	
1.4	16QAM	1	0	21.77	21.82	21.81	23	0	
1.4	16QAM	1	3	21.76	21.73	21.71	23	0	
1.4	16QAM	3	0	21.68	21.71	21.65	23	0	
1.4	16QAM	3	1	22.09	22.15	22.21			
1.4	16QAM	3	1	22.07	21.98	22.04			
1.4	16QAM	6	0	21.12	21.08	21.09	22	1	
1.4	64QAM	1	0	21.41	21.36	21.41	22	1	
1.4	64QAM	1	3	21.31	21.36	21.36	22	1	
1.4	64QAM	3	0	21.14	21.17	21.12	21	2	
1.4	64QAM	3	1	21.19	21.15	21.17	21	2	
1.4	64QAM	3	1	21.04	21.08	21.08	21	2	
1.4	64QAM	6	0	20.16	20.18	20.17	21	2	

Band 2_Ant 5(DS117)

BW [MHz]	Modulation	RS Size	RB Offset	Power [W]	Power Ch./Frac.	Power Ch./Frac.	Power Ch./Frac.	Time-up [s]	MPR [dB]
Channel	Channel			18700	18900	19100			
Frequency (MHz)			Time-up [s]	MPR [dB]					
20	QPSK	1	0	20.96	20.85	20.38			
20	QPSK	1	49	20.59	20.50	20.58	21.5	0	
20	QPSK	1	29	20.43	20.44	20.44			
20	QPSK	50	0	20.48	20.56	20.48			
20	QPSK	50	24	20.49	20.53	20.40	21.5	0	
20	QPSK	50	29	20.43	20.44	20.60			
20	QPSK	100	0	20.39	20.48	20.45			
20	16QAM	1	0	20.60	20.84	20.62			
20	16QAM	1	49	20.58	20.59	20.58	21.5	0	
20	16QAM	1	29	20.29	20.37	20.31			
20	16QAM	50	0	19.28	19.41	19.21			
20	16QAM	50	24	19.40	19.35	19.25	20.5	1	
20	16QAM	50	29	19.45	19.53	19.48			
20	16QAM	100	0	19.51	19.54	19.45			
20	64QAM	1	0	19.45	19.50	19.43			
20	64QAM	1	49	19.26	19.30	19.25	20.5	1	
20	64QAM	1	29	19.15	19.23	19.19			
20	64QAM	50	0	18.44	18.47	18.45			
20	64QAM	50	24	18.40	18.45	18.35	19.5	2	
20	64QAM	50	29	18.37	18.46	18.42			
20	64QAM	100	0	18.45	18.48	18.47			
Channel									
Frequency (MHz)			Time-up [s]	MPR [dB]					
15	QPSK	1	0	20.49	20.45	20.45			
15	QPSK	1	37	20.28	20.37	20.29	21.5	0	
15	QPSK	1	74	20.44	20.50	20.42			
15	QPSK	36	20	20.35	20.37	20.36	21.5	0	
15	QPSK	36	39	20.37	20.32	20.34			
15	QPSK	36	79	20.29	20.27	20.27			
15	16QAM	1	0	20.59	20.48	20.54			
15	16QAM	1	37	20.41	20.49	20.50	21.5	0	
15	16QAM	1	74	20.18	20.18	20.19			
15	16QAM	36	0	19.25	19.15	19.15			
15	16QAM	36	39	19.46	19.39	19.49	20.5	1	
15	16QAM	36	79	19.34	19.41	19.40			
15	16QAM	75	0	19.39	19.41	19.45			



Inter Band UL CA

PCC:Ant4		SCC:Ant3		Tune up Power (dBm)			
CA_2A-7A							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	PCC		SCC		Tune up Power (dBm)	
		RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	
18700	20850	QPSK	1	0	1	0	23.24
			1	49	1	49	23.21
			1	99	1	99	23.34
			50	0	50	0	23.32
			50	24	50	24	23.25
			50	50	50	50	23.04
			100	0	100	0	23.15
18900	21100	QPSK	1	0	1	0	23.33
			1	49	1	49	23.10
			1	99	1	99	23.23
			50	0	50	0	23.22
			50	24	50	24	23.09
			50	50	50	50	22.98
			100	0	100	0	23.07
19100	21350	QPSK	1	0	1	0	23.17
			1	49	1	49	23.08
			1	99	1	99	23.27
			50	0	50	0	23.18
			50	24	50	24	23.13
			50	50	50	50	22.95
			100	0	100	0	23.04

PCC:Ant3		SCC:Ant4		Tune up Power (dBm)			
CA_7A-2A							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	PCC		SCC		Tune up Power (dBm)	
		RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	
20850	18700	QPSK	1	0	1	0	23.71
			1	49	1	49	23.88
			1	99	1	99	23.85
			50	0	50	0	23.81
			50	24	50	24	23.75
			50	50	50	50	23.72
			100	0	100	0	23.86
21100	18900	QPSK	1	0	1	0	23.61
			1	49	1	49	23.80
			1	99	1	99	23.82
			50	0	50	0	23.68
			50	24	50	24	23.72
			50	50	50	50	23.66
			100	0	100	0	23.74
21350	19100	QPSK	1	0	1	0	23.60
			1	49	1	49	23.87
			1	99	1	99	23.84
			50	0	50	0	23.74
			50	24	50	24	23.68
			50	50	50	50	23.63
			100	0	100	0	23.83

PCC:Ant5		SCC:Ant6		Tune up Power (dBm)			
CA_2A-7A							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	PCC		SCC		Tune up Power (dBm)	
		RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	
18700	20850	QPSK	1	0	1	0	21.95
			1	49	1	49	22.16
			1	99	1	99	22.27
			50	0	50	0	21.87
			50	24	50	24	22.09
			50	50	50	50	21.81
			100	0	100	0	21.98
18900	21100	QPSK	1	0	1	0	21.89
			1	49	1	49	22.04
			1	99	1	99	22.11
			50	0	50	0	21.77
			50	24	50	24	22.03
			50	50	50	50	21.71
			100	0	100	0	21.93
19100	21350	QPSK	1	0	1	0	21.88
			1	49	1	49	22.07
			1	99	1	99	22.20
			50	0	50	0	21.79
			50	24	50	24	21.97
			50	50	50	50	21.70
			100	0	100	0	21.83

PCC:Ant6		SCC:Ant5		Tune up Power (dBm)			
CA_7A-2A							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	PCC		SCC		Tune up Power (dBm)	
		RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	
20850	18700	QPSK	1	0	1	0	21.60
			1	49	1	49	21.95
			1	99	1	99	21.97
			50	0	50	0	22.04
			50	24	50	24	21.70
			50	50	50	50	21.48
			100	0	100	0	21.97
21100	18900	QPSK	1	0	1	0	21.49
			1	49	1	49	21.80
			1	99	1	99	21.89
			50	0	50	0	21.85
			50	24	50	24	21.65
			50	50	50	50	21.43
			100	0	100	0	21.83
21350	19100	QPSK	1	0	1	0	21.53
			1	49	1	49	21.83
			1	99	1	99	21.81
			50	0	50	0	21.88
			50	24	50	24	21.59
			50	50	50	50	21.39
			100	0	100	0	21.86

PCC:Ant5		SCC:Ant3		Tune up Power (dBm)			
CA_2A-7A							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	PCC		SCC		Tune up Power (dBm)	
		RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	
18700	20850	QPSK	1	0	1	0	21.93
			1	49	1	49	21.83
			1	99	1	99	21.94
			50	0	50	0	21.89
			50	24	50	24	21.73
			50	50	50	50	21.79
			100	0	100	0	21.77
18900	21100	QPSK	1	0	1	0	22.03
			1	49	1	49	21.94
			1	99	1	99	21.93
			50	0	50	0	21.96
			50	24	50	24	21.86
			50	50	50	50	21.88
			100	0	100	0	21.85
19100	21350	QPSK	1	0	1	0	21.92
			1	49	1	49	21.85
			1	99	1	99	21.83
			50	0	50	0	21.87
			50	24	50	24	21.71
			50	50	50	50	21.74
			100	0	100	0	21.73

PCC:Ant3		SCC:Ant5		Tune up Power (dBm)			
CA_7A-2A							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	PCC		SCC		Tune up Power (dBm)	
		RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	
20850	18700	QPSK	1	0	1	0	22.75
			1	49	1	49	22.60
			1	99	1	99	22.56
			50	0	50	0	22.37
			50	24	50	24	22.26
			50	50	50	50	22.26
			100	0	100	0	22.33
21100	18900	QPSK	1	0	1	0	22.82
			1	49	1	49	22.69
			1	99	1	99	22.73
			50	0	50	0	22.43
			50	24	50	24	22.34
			50	50	50	50	22.35
			100	0	100	0	22.38
21350	19100	QPSK	1	0	1	0	22.75
			1	49	1	49	22.61
			1	99	1	99	22.59
			50	0	50	0	22.32
			50	24	50	24	22.23
			50	50	50	50	22.26
			100	0	100	0	22.29

PCC:Ant4		SCC:Ant6		Tune up Power (dBm)			
CA_2A-7A							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	PCC		SCC		Tune up Power (dBm)	
		RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	
18700	20850	QPSK	1	0	1	0	22.43
			1	49	1	49	22.37
			1	99	1	99	22.35
			50	0	50	0	22.24
			50	24	50	24	22.26
			50	50	50	50	22.20
			100	0	100	0	22.35
18900	21100	QPSK	1	0	1	0	22.37
			1	49	1	49	22.22
			1	99	1	99	22.26
			50	0	50	0	22.27
			50	24	50	24	22.24
			50	50	50	50	22.28
			100	0	100	0	22.36
19100	21350	QPSK	1	0	1	0	22.37
			1	49	1	49	22.21
			1	99	1	99	22.24
			50	0	50	0	22.33
			50	24	50	24	22.19
			50	50	50	50	22.25
			100	0	100	0	22.27

PCC:Ant6		SCC:Ant4		Tune up Power (dBm)			
CA_7A-2A							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	PCC		SCC		Tune up Power (dBm)	
		RB Size	RB offset	RB Size	RB offset	Measured Power (dBm)	
20850	18700	QPSK	1	0	1	0	21.48
			1	49	1	49	21.35
			1	99	1	99	21.40
			50	0	50	0	21.72
			50	24	50	24	21.66
			50	50	50	50	21.62
			100	0	100	0	22.08
21100	18900	QPSK	1	0	1	0	21.36
			1	49	1	49	21.28
			1	99	1	99	21.32
			50	0	50	0	21.61
			50	24	50	24	21.57
			50	50	50	50	21.57
			100	0	100	0	21.75
21350	19100	QPSK	1	0	1	0	21.40
			1	49	1	49	21.24
			1	99	1	99	21.27
			50	0	50	0	21.62
			50	24	50	24	21.61
			50	50	50	50	21.51
			100	0	100	0	21.68



UL Intra-CA Power

CA_7C - ANT3											
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	49	0	0	1	0	Full Power	21.31	23.00
21100	20902	QPSK	1	49	0	0	1	0	Full Power	21.52	23.00
21350	21152	QPSK	1	49	0	0	1	0	Full Power	21.81	23.00
20850	21048	QPSK	50	0	0	0	1	0	DSI 18	15.58	17.00
21100	20902	QPSK	50	0	0	0	1	0	DSI 18	15.61	17.00
21350	21152	QPSK	50	0	0	0	1	0	DSI 18	15.53	17.00
20850	21048	QPSK	50	0	0	0	1	0	DSI 17	17.70	19.00
21100	20902	QPSK	50	0	0	0	1	0	DSI 17	17.76	19.00
21350	21152	QPSK	50	0	0	0	1	0	DSI 17	17.71	19.00

CA_38C - ANT3											
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	Full Power	21.61	23.00
37901	38099	QPSK	1	0	0	0	1	0	Full Power	21.54	23.00
38150	37952	QPSK	1	0	0	0	1	0	Full Power	21.40	23.00
37850	38048	QPSK	50	24	0	0	1	0	DSI 18	18.44	19.50
37901	38099	QPSK	50	24	0	0	1	0	DSI 18	18.52	19.50
38150	37952	QPSK	50	24	0	0	1	0	DSI 18	18.46	19.50
37850	38048	QPSK	50	24	0	0	1	0	DSI 17	19.11	20.00
37901	38099	QPSK	50	24	0	0	1	0	DSI 17	19.08	20.00
38150	37952	QPSK	50	24	0	0	1	0	DSI 17	18.94	20.00

CA_7C - ANT4											
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	Full Power	22.76	24.00
21100	20902	QPSK	1	0	0	0	1	0	Full Power	22.75	24.00
21350	21152	QPSK	1	0	0	0	1	0	Full Power	22.71	24.00
20850	21048	QPSK	1	0	0	0	1	0	DSI 18	22.76	24.00
21100	20902	QPSK	1	0	0	0	1	0	DSI 18	22.75	24.00
21350	21152	QPSK	1	0	0	0	1	0	DSI 18	22.71	24.00
20850	21048	QPSK	50	0	0	0	1	0	DSI 17	20.38	21.50
21100	20902	QPSK	50	0	0	0	1	0	DSI 17	20.43	21.50
21350	21152	QPSK	50	0	0	0	1	0	DSI 17	20.34	21.50

CA_38C - ANT4											
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	99	0	0	1	0	Full Power	23.19	24.50
37901	38099	QPSK	1	99	0	0	1	0	Full Power	23.07	24.50
38150	37952	QPSK	1	99	0	0	1	0	Full Power	23.11	24.50
37850	38048	QPSK	1	99	0	0	1	0	DSI 18	23.19	24.50
37901	38099	QPSK	1	99	0	0	1	0	DSI 18	23.07	24.50
38150	37952	QPSK	1	99	0	0	1	0	DSI 18	23.11	24.50
37850	38048	QPSK	1	99	0	0	1	0	DSI 17	22.86	24.00
37901	38099	QPSK	1	99	0	0	1	0	DSI 17	22.91	24.00
38150	37952	QPSK	1	99	0	0	1	0	DSI 17	22.93	24.00



CA_41C - ANT3											
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	99	0	0	1	0	Full Power	21.30	22.50
40185	40383	QPSK	1	99	0	0	1	0	Full Power	21.12	22.50
40620	40422	QPSK	1	99	0	0	1	0	Full Power	21.13	22.50
41055	40857	QPSK	1	99	0	0	1	0	Full Power	21.07	22.50
41490	41292	QPSK	1	99	0	0	1	0	Full Power	20.89	22.50
39750	39948	QPSK	1	99	0	0	1	0	DSI 18	18.45	19.50
40185	40383	QPSK	1	99	0	0	1	0	DSI 18	18.39	19.50
40620	40422	QPSK	1	99	0	0	1	0	DSI 18	18.36	19.50
41055	40857	QPSK	1	99	0	0	1	0	DSI 18	18.28	19.50
41490	41292	QPSK	1	99	0	0	1	0	DSI 18	18.10	19.50
39750	39948	QPSK	1	99	0	0	1	0	DSI 17	18.45	19.50
40185	40383	QPSK	1	99	0	0	1	0	DSI 17	18.39	19.50
40620	40422	QPSK	1	99	0	0	1	0	DSI 17	18.36	19.50
41055	40857	QPSK	1	99	0	0	1	0	DSI 17	18.28	19.50
41490	41292	QPSK	1	99	0	0	1	0	DSI 17	18.10	19.50

CA_41C - ANT4											
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	99	0	0	1	0	Full Power	22.80	24.00
40185	40383	QPSK	1	99	0	0	1	0	Full Power	20.73	24.00
40620	40422	QPSK	1	99	0	0	1	0	Full Power	22.72	24.00
41055	40857	QPSK	1	99	0	0	1	0	Full Power	22.67	24.00
41490	41292	QPSK	1	99	0	0	1	0	Full Power	22.75	24.00
39750	39948	QPSK	1	99	0	0	1	0	DSI 18	22.80	24.00
40185	40383	QPSK	1	99	0	0	1	0	DSI 18	20.73	24.00
40620	40422	QPSK	1	99	0	0	1	0	DSI 18	22.72	24.00
41055	40857	QPSK	1	99	0	0	1	0	DSI 18	22.67	24.00
41490	41292	QPSK	1	99	0	0	1	0	DSI 18	22.75	24.00
39750	39948	QPSK	1	99	0	0	1	0	DSI 17	22.80	24.00
40185	40383	QPSK	1	99	0	0	1	0	DSI 17	20.73	24.00
40620	40422	QPSK	1	99	0	0	1	0	DSI 17	22.72	24.00
41055	40857	QPSK	1	99	0	0	1	0	DSI 17	22.67	24.00
41490	41292	QPSK	1	99	0	0	1	0	DSI 17	22.75	24.00



DL CA Power

Full Power															
2CC															
Configure	CA Configuration	PCC							SCC				Power		
		LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx Power (dBm)	W/O CA Tx Power (dBm)	
Inter-Band	CA_2A-5A	2	20	1880	18900	QPSK	1	0	5	10	881.5	2525	22.88	23.26	
	CA_4A-5A	4	20	1732.5	20175	QPSK	1	0	5	10	881.5	2525	23.16	23.37	
	CA_4A-7A	4	20	1732.5	20175	QPSK	1	0	7	20	2655	3100	23.12	23.37	
	CA_5A-38A	5	10	836.5	20525	QPSK	1	0	38	20	2595	38000	24.11	24.18	
	CA_5A-41A	5	10	836.5	20525	QPSK	1	0	41	20	2593	40620	24.12	24.18	
	CA_12A-66A	12	10	707.5	23095	QPSK	1	0	66	20	2155	66886	24.17	24.24	
	CA_26A-41A	26	15	831.5	26865	QPSK	1	0	41	20	2593	40620	23.94	24.22	
Inter-Band	Non-Contiguous	CA_4A-4A	4	20	1732.5	20175	QPSK	1	0	4	5	2152.5	2375	23.03	23.37
		CA_7B	7	15	2532.6	21076	QPSK	1	0	7	5	2661.9	3169	23.01	23.16
		CA_38C	38	20	2580	37850	QPSK	1	99	38	20	2599.80	38048	23.70	23.73

3CC																			
Configure	CA Configuration	PCC							SCC1				SCC2				Power		
		LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx Power (dBm)	W/O CA Tx Power (dBm)	
Inter-Band	CA_4A-7C	4	20	1732.5	20175	QPSK	1	0	7	20	2655	3100	7	20	2674.8	3298	23.12	23.37	
	CA_5A-7A-7A	5	10	836.5	20525	QPSK	1	0	7	20	2655	3100	7	5	2622.5	2775	24.04	24.18	
	CA_26A-41C	26	15	831.5	26865	QPSK	1	0	41	5	2687.5	41565	41	20	2675.8	41448	23.92	24.22	
Intra-Band	Contiguous	CA_41A-41A-41A	41	20	2593	40620	QPSK	1	99	41	5	2687.5	41565	41	20	2675.8	41448	23.21	23.78
		CA_41A-41C	41	20	2593	40620	QPSK	1	99	41	5	2687.5	41565	41	20	2675.8	41448	23.33	23.78
		CA_41D	41	20	2593	40620	QPSK	1	99	41	20	2612.8	40816	41	20	2632.6	41016	23.13	23.78

4CC																						
Configure	CA Configuration	PCC							SCC1				SCC2				SCC3		Power			
		LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx Power (dBm)	W/O CA Tx Power (dBm)
Intra-Band	CA_5A-7A-66A-66A	5	10	836.5	20525	QPSK	1	0	7	20	2655	3100	66	20	2155	66886	66	5	2197.5	67311	24.15	24.18

5CC																										
Configure	CA Configuration	PCC							SCC1				SCC2				SCC3				SCC4		Power			
		LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx Power (dBm)	W/O CA Tx Power (dBm)
Inter-Band	CA_5A-7C-66A-66A	5	10	836.5	20525	QPSK	1	0	7	20	2655	3100	7	20	2660.2	3152	66	20	2155	66886	66	5	2197.5	67311	24.13	24.18



Conducted full Power for NR SA

n2_Ant 3 (Default)							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPE (dB)
Channel							
Frequency (MHz)				1840	1840	1840	0.0
20	QPSK	1	1	22.05	22.08	22.07	23.2
20	QPSK	1	53	22.05	22.18	22.02	0.0
20	QPSK	1	104	22.05	22.15	21.94	0.5
20	QPSK	50	0	21.08	21.17	21.01	22.7
20	QPSK	50	28	22.01	22.13	21.93	0.5
20	QPSK	50	56	21.03	21.12	20.94	22.7
20	QPSK	100	0	21.08	21.11	21.04	0.5
20	16QAM	1	1	21.12	21.48	20.95	22.2
20	16QAM	1	1	19.85	19.76	19.34	22.7
20	256QAM	1	1	17.33	17.72	17.44	4.5
Channel							
Frequency (MHz)				31350	31350	31350	0.0
10	QPSK	1	1	22.20	22.14	22.04	23.2
Channel							
Frequency (MHz)				31350	31350	31350	0.0
10	QPSK	1	1	22.12	21.99	21.89	22.2
Channel							
Frequency (MHz)				1840.5	1840	1840.5	0.0
5	QPSK	1	1	22.05	21.98	21.91	22.2

n2_Ant 4 (Default)							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPE (dB)
Channel							
Frequency (MHz)				1840	1840	1840	0.0
20	QPSK	1	1	22.08	22.16	22.04	24.2
20	QPSK	1	53	22.01	22.08	22.48	0.0
20	QPSK	1	104	22.01	22.05	22.45	0.5
20	QPSK	50	0	21.08	21.08	21.54	22.7
20	QPSK	50	28	22.08	22.05	22.51	0.5
20	QPSK	50	56	21.09	21.08	21.45	22.7
20	QPSK	100	0	21.08	21.06	21.48	0.5
20	16QAM	1	1	21.01	21.08	21.54	22.2
20	16QAM	1	1	20.32	20.12	20.15	21.7
20	256QAM	1	1	18.24	18.12	18.04	4.5
Channel							
Frequency (MHz)				31350	31350	31350	0.0
10	QPSK	1	1	22.49	22.34	22.23	24.2
Channel							
Frequency (MHz)				31350	31350	31350	0.0
10	QPSK	1	1	22.31	22.30	22.05	24.2
Channel							
Frequency (MHz)				1840.5	1840	1840.5	0.0
5	QPSK	1	1	22.05	22.05	21.91	24.2

n5_Ant 0 (Default)							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPE (dB)
Channel							
Frequency (MHz)				1840	1840	1840	0.0
20	QPSK	1	1	21.92	21.91	21.93	24.2
20	QPSK	1	53	22.02	22.07	22.49	0.0
20	QPSK	1	104	22.07	22.08	22.44	0.5
20	QPSK	50	0	22.42	22.49	22.37	22.7
20	QPSK	50	28	22.08	22.05	22.54	0.5
20	QPSK	50	56	22.34	22.33	22.32	22.7
20	QPSK	100	0	22.34	22.34	22.42	0.5
20	16QAM	1	1	22.50	22.58	22.58	22.2
20	16QAM	1	1	21.15	20.97	21.16	21.7
20	256QAM	1	1	19.05	18.98	19.05	4.5
Channel							
Frequency (MHz)				1840.5	1840	1840.5	0.0
10	QPSK	1	1	22.08	22.04	22.03	24.2
Channel							
Frequency (MHz)				1840	1840	1840	0.0
10	QPSK	1	1	22.07	22.01	22.01	24.2
Channel							
Frequency (MHz)				1840.5	1840	1840.5	0.0
5	QPSK	1	1	22.05	22.02	22.01	24.2



n12_Ant 0 (Default)							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel							
				141500	141500	141500	
Frequency (MHz)							
				30.4	30.4	30.4	
10	QPSK	1	1	23.23	23.28	23.23	
15	QPSK	1	40	23.10	23.25	23.19	24.2 0.0
15	QPSK	1	77	23.10	23.24	23.18	
15	QPSK	36	0	22.72	22.72	22.7	0.5
15	QPSK	36	29	23.10	23.20	23.18	24.2 0.0
15	QPSK	36	43	22.58	22.58	22.55	0.5
15	QPSK	72	0	22.68	22.68	22.65	0.5
15	16QAM	1	1	22.55	22.58	22.55	0.5 1.0
15	16QAM	1	1	21.20	21.21	21.26	21.7 2.5
15	256QAM	1	1	19.98	19.97	19.97	4.5
Channel							
				140800	141500	142200	Tune-up limit (dBm) MPR
Frequency (MHz)							
				30.4	30.4	31.1	(dBm) (dB)
10	QPSK	1	1	23.07	22.68	23.08	24.2 0.0
Channel							
				140200	141000	142000	Tune-up limit (dBm) MPR
Frequency (MHz)							
				30.5	30.5	31.3	(dBm) (dB)
5	QPSK	1	1	22.92	23.08	23.10	24.2 0.0

n12_Ant 1 (Default)							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel							
				141500	141500	141500	
Frequency (MHz)							
				30.4	30.4	30.4	
10	QPSK	1	1	22.67	22.91	22.68	
15	QPSK	1	40	22.70	22.89	22.85	24.2 0.0
15	QPSK	1	77	22.74	22.80	22.80	
15	QPSK	36	0	21.73	21.77	21.72	0.5
15	QPSK	36	29	22.74	22.70	22.70	0.5
15	QPSK	36	43	21.88	21.89	21.88	0.5
15	QPSK	72	0	21.89	21.88	21.88	0.5
15	16QAM	1	1	21.69	21.81	21.51	0.5 1.0
15	16QAM	1	1	20.58	20.38	20.24	21.7 2.5
15	256QAM	1	1	19.40	19.38	19.21	19.7 4.5
Channel							
				140800	141500	142200	Tune-up limit (dBm) MPR
Frequency (MHz)							
				30.4	30.4	31.1	(dBm) (dB)
10	QPSK	1	1	22.73	22.72	22.68	24.2 0.0
Channel							
				140200	141000	142000	Tune-up limit (dBm) MPR
Frequency (MHz)							
				30.5	30.5	31.3	(dBm) (dB)
5	QPSK	1	1	22.68	22.71	22.75	24.2 0.0

n13_Ant 0 (Default)							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel							
				155000	155000	155000	
Frequency (MHz)							
				31.0	31.0	31.0	
10	QPSK	1	1	23.03			
10	QPSK	1	26		23.03		24.2 0.0
10	QPSK	1	50		23.00		
10	QPSK	36	0	22.01		22.7	0.5
10	QPSK	36	14	23.00		22.4	0.5
10	QPSK	36	27	22.07		22.07	0.5
10	QPSK	72	0	22.06		22.06	0.5
10	16QAM	1	1	21.77		23.2	1.0
10	16QAM	1	1	20.54		21.7	2.5
10	256QAM	1	1	19.21		19.7	4.5
Channel							
				155000	155000	155000	Tune-up limit (dBm) MPR
Frequency (MHz)							
				31.0	31.0	31.0	(dBm) (dB)
5	QPSK	1	1	22.96	22.68	22.58	24.2 0.0



n26_Ant 0 (Default)							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Media Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel							
20	QPSK	1	1	22.04	22.10	22.25	24.2
Frequency (MHz)							
20	QPSK	1	53	22.05	22.07	22.02	0.0
20	QPSK	1	104	22.09	22.05	22.06	0.5
20	QPSK	50	3	22.07	22.30	22.7	0.5
20	QPSK	50	28	22.21	22.02	22.14	0.0
20	QPSK	50	56	22.28	22.30	22.23	0.5
20	QPSK	100	0	22.28	22.28	22.28	0.0
20	16QAM	1	1	22.41	22.37	22.53	1.0
20	16QAM	1	1	20.86	21.05	20.94	2.5
20	16QAM	1	1	18.80	18.80	18.7	4.5
Channel							
15	QPSK	1	1	22.24	22.21	22.72	24.2
Frequency (MHz)							
15	QPSK	1	1	22.05	22.72	22.55	24.2
Frequency (MHz)							
15	QPSK	1	1	22.05	22.72	22.55	0.0
Channel							
5	QPSK	1	1	22.03	22.25	22.20	24.2

n26_Ant 1 (Default)							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Media Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel							
20	QPSK	1	1	23.18	23.31	23.28	24.2
Frequency (MHz)							
20	QPSK	1	53	23.17	23.28	23.24	0.0
20	QPSK	1	104	23.15	23.25	23.10	0.5
20	QPSK	50	3	23.03	23.72	23.51	0.5
20	QPSK	50	28	23.21	23.02	23.26	0.0
20	QPSK	50	56	23.28	23.28	23.21	0.5
20	QPSK	100	0	23.28	23.28	23.28	0.0
20	16QAM	1	1	23.51	23.48	23.53	1.0
20	16QAM	1	1	20.88	20.92	21.05	2.5
20	16QAM	1	1	18.80	18.80	18.7	4.5
Channel							
15	QPSK	1	1	23.08	23.21	23.20	24.2
Frequency (MHz)							
15	QPSK	1	1	23.14	23.26	23.27	24.2
Frequency (MHz)							
15	QPSK	1	1	23.14	23.26	23.27	0.0
Channel							
5	QPSK	1	1	23.13	23.14	23.22	24.2

n66_Ant 3 (Default)							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Media Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel							
40	QPSK	1	1	22.08	22.22	22.08	23.2
Frequency (MHz)							
40	QPSK	1	104	22.09	22.07	22.10	0.0
40	QPSK	1	214	22.11	22.06	22.02	0.5
40	QPSK	108	3	22.10	22.28	22.52	0.0
40	QPSK	108	56	22.13	22.18	22.28	0.0
40	QPSK	108	108	22.21	22.07	22.08	0.0
40	QPSK	216	0	22.21	22.18	22.18	0.0
40	16QAM	1	1	21.08	21.10	21.14	1.0
40	16QAM	1	1	20.24	20.38	20.52	2.5
40	16QAM	1	1	18.41	18.50	18.79	4.5
Channel							
30	QPSK	1	1	21.99	22.15	22.04	23.2
Frequency (MHz)							
30	QPSK	1	1	21.99	22.15	22.04	0.0
Channel							
20	QPSK	1	1	22.05	22.21	22.07	23.2
Frequency (MHz)							
20	QPSK	1	1	22.05	22.21	22.07	0.0
Channel							
15	QPSK	1	1	22.10	22.17	22.27	23.2
Frequency (MHz)							
15	QPSK	1	1	22.10	22.17	22.27	0.0
Channel							
10	QPSK	1	1	22.06	22.12	22.23	23.2
Frequency (MHz)							
10	QPSK	1	1	22.06	22.12	22.23	0.0
Channel							
5	QPSK	1	1	22.07	22.13	22.08	23.2

n66_Ant 4 (Default)							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Media Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel							
40	QPSK	1	1	22.06	22.10	22.03	24.2
Frequency (MHz)							
40	QPSK	1	104	22.04	22.02	22.08	0.0
40	QPSK	1	214	22.06	22.01	22.01	0.5
40	QPSK	108	3	22.04	22.09	22.18	0.5
40	QPSK	108	56	22.05	22.01	22.04	0.0
40	QPSK	108	108	22.10	22.14	22.01	0.5
40	QPSK	216	0	22.10	22.01	22.01	0.0
40	16QAM	1	1	21.08	21.04	21.08	1.0
40	16QAM	1	1	20.24	20.30	20.40	2.5
40	16QAM	1	1	18.41	18.52	18.42	4.5
Channel							
30	QPSK	1	1	22.02	22.10	22.08	24.2
Frequency (MHz)							
30	QPSK	1	1	22.02	22.10	22.08	0.0
Channel							
20	QPSK	1	1	22.00	22.15	22.05	24.2
Frequency (MHz)							
20	QPSK	1	1	22.00	22.15	22.05	0.0
Channel							
15	QPSK	1	1	22.05	22.02	22.01	24.2
Frequency (MHz)							
15	QPSK	1	1	22.05	22.02	22.01	0.0
Channel							
10	QPSK	1	1	22.01	22.10	22.05	24.2
Frequency (MHz)							
10	QPSK	1	1	22.01	22.10	22.05	0.0
Channel							
5	QPSK	1	1	22.06	22.00	22.01	24.2



n38_Ant 3 (Default)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Time-up (min)	MPE (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.42	21.46	21.50		22.7	0.0
30	QPSK	1	36	21.52	21.51	21.48			
30	QPSK	1	75	21.41	21.47	21.48			
30	QPSK	36	0	21.40	21.48	21.47		22.7	0.0
30	QPSK	36	18	21.45	21.51	21.48			
30	QPSK	36	37	21.44	21.48	21.48		22.7	0.0
30	QPSK	75	0	21.40	21.48	21.48			
30	QPSK	1	1	21.42	21.46	21.50		22.7	0.0
30	84QAM	1	1	20.38	19.85	19.53	20.2	2.5	
30	84QAM	1	1	17.80	17.93	18.05	18.2	4.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.44	21.48	21.48		22.7	0.0

n38_Ant 4 (Default)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Time-up (min)	MPE (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.50	21.56	21.58			
30	QPSK	1	36	22.05	22.04	22.03	24.2	0.0	
30	QPSK	1	75	22.06	22.07	22.02			
30	QPSK	36	0	22.04	22.07	22.03	23.7	0.5	
30	QPSK	36	18	22.05	22.05	22.01	23.2	0.5	
30	QPSK	36	37	22.38	22.26	22.40	23.7	0.5	
30	QPSK	75	0	22.06	22.04	22.03			
30	84QAM	1	1	22.01	22.45	22.71	23.2	1.0	
30	84QAM	1	1	21.12	21.81	21.05	21.7	2.5	
30	84QAM	1	1	19.01	19.70	19.35	19.7	4.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.04	21.94	22.26	24.2	0.0	

n41_Ant 3 (Default)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Time-up (min)	MPE (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	21.13	21.56	21.17			
100	QPSK	1	137	20.95	21.18	20.80	22.7	0.0	
100	QPSK	1	274	21.02	20.97	20.95			
100	QPSK	135	0	20.22	20.20	20.20	22.2	0.5	
100	QPSK	135	66	21.26	21.28	21.48	23.7	0.5	
100	QPSK	135	138	20.22	20.24	20.21	22.2	0.5	
100	QPSK	270	0	20.20	20.20	20.20			
100	84QAM	1	1	19.15	19.24	19.32	19.7	1.0	
100	84QAM	1	1	17.92	18.54	18.84	20.2	2.5	
100	84QAM	1	1	16.18	16.87	16.54	18.2	4.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.03	21.38	21.07	22.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	21.08	21.38	21.14	22.7	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.13	21.42	21.13	22.7	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	21.14	21.12	21.08	22.7	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	21.07	21.53	21.16	22.7	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.03	21.33	21.11	22.7	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.08	21.34	21.12	22.7	0.0	

n41_Ant 4 (Default)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Time-up (min)	MPE (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	20.74	20.75	20.73			
100	QPSK	1	137	20.80	20.71	20.80	24.2	0.0	
100	QPSK	1	274	20.70	20.71	20.80			
100	QPSK	135	0	21.73	21.70	21.68	23.7	0.5	
100	QPSK	135	66	21.76	21.70	21.65	24.2	0.5	
100	QPSK	135	138	21.87	21.68	21.78	23.7	0.5	
100	QPSK	270	0	21.60	21.70	21.60			
100	84QAM	1	1	21.41	21.50	21.50	23.2	1.0	
100	84QAM	1	1	19.88	19.85	19.88	21.7	2.5	
100	84QAM	1	1	17.73	17.85	17.77	18.2	4.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.73	20.70	20.70	24.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.88	20.60	20.85	24.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.74	20.71	20.72	24.2	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.69	20.70	20.63	24.2	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.88	20.78	20.88	24.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.73	20.70	20.70	24.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.71	20.74	20.68	24.2	0.0	



n2_Ant 3 (DS18)							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel							
Frequency (MHz)							
20	QPSK	1	1	15.01	15.13	15.11	0.0
20	QPSK	1	53	15.04	15.05	15.43	16.7
20	QPSK	1	104	15.01	15.07	15.43	0.0
20	QPSK	50	0	15.04	15.04	15.43	16.7
20	QPSK	50	28	15.01	15.08	15.03	0.0
20	QPSK	50	56	15.04	15.03	15.03	16.7
20	QPSK	100	0	15.04	15.04	15.03	0.0
20	QPSK	100	8	15.04	15.03	15.03	16.7
20	MSKDM	1	1	15.04	15.71	15.31	16.7
20	MSKDM	1	1	15.04	15.42	15.93	0.0
Channel							
Frequency (MHz)							
18	QPSK	1	1	15.03	15.08	15.38	16.7
Channel							
Frequency (MHz)							
10	QPSK	1	1	15.03	15.73	15.30	16.7
Channel							
Frequency (MHz)							
4	QPSK	1	1	15.03	15.08	15.38	16.7

Reduced Power for NR SA receiver on							
n2_Ant 4 (DS18)							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel							
Frequency (MHz)							
20	QPSK	1	1	22.08	22.16	22.54	0.0
20	QPSK	1	53	22.01	22.08	22.46	24.2
20	QPSK	1	104	22.03	22.05	22.43	0.0
20	QPSK	50	0	21.98	21.88	21.54	23.7
20	QPSK	50	28	22.01	22.03	22.31	0.0
20	QPSK	50	56	21.98	21.88	21.43	23.7
20	QPSK	100	0	21.97	21.88	21.43	0.0
20	QPSK	100	8	21.97	21.88	21.43	23.7
20	MSKDM	1	1	20.92	20.12	20.10	21.7
20	MSKDM	1	1	19.24	19.12	19.04	4.5
Channel							
Frequency (MHz)							
15	QPSK	1	1	22.09	22.34	22.20	24.2
Channel							
Frequency (MHz)							
10	QPSK	1	1	22.01	22.20	22.00	24.2
Channel							
Frequency (MHz)							
4	QPSK	1	1	22.02	22.03	22.02	24.2

n5_Ant 0 (DS18)							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel							
Frequency (MHz)							
20	QPSK	1	1	23.02	23.05	23.00	0.0
20	QPSK	1	53	22.92	22.87	22.85	24.2
20	QPSK	1	104	22.97	22.98	22.84	0.0
20	QPSK	50	0	22.92	22.48	22.37	23.7
20	QPSK	50	28	22.98	23.00	22.84	0.0
20	QPSK	50	56	22.94	22.33	22.32	23.7
20	QPSK	100	0	22.94	22.48	22.42	0.0
20	QPSK	100	8	22.94	22.48	22.42	23.7
20	MSKDM	1	1	22.00	22.08	22.08	23.0
20	MSKDM	1	1	21.15	20.97	21.06	21.7
20	MSKDM	1	1	19.05	19.08	19.00	4.5
Channel							
Frequency (MHz)							
10	QPSK	1	1	22.98	22.94	22.03	24.2
Channel							
Frequency (MHz)							
10	QPSK	1	1	22.97	22.91	22.84	24.2
Channel							
Frequency (MHz)							
4	QPSK	1	1	22.06	22.03	22.04	24.2



n5_Ant 1 (DS18)							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Power
Channel				168000	167500	167000	
20	QPSK	1	1	23.11	23.00	22.92	
20	QPSK	1	1	23.05	22.99	22.90	24.2
20	QPSK	50	0	22.55	22.48	22.42	0.0
20	QPSK	50	0	22.38	22.34	22.30	0.0
20	QPSK	50	56	22.52	22.39	22.18	0.0
20	QPSK	100	0	22.48	22.36	22.28	0.0
20	16QAM	1	1	22.40	22.52	22.27	1.0
20	16QAM	1	1	20.80	20.98	20.79	2.5
20	256QAM	1	1	18.97	18.95	18.76	4.5
Channel				168300	167800	167300	
10	QPSK	1	1	23.17	23.11	23.03	24.2
Channel				168600	168100	167600	
10	QPSK	1	1	23.00	22.97	22.90	24.2
Channel				168900	168400	167900	
0	QPSK	1	1	23.02	23.05	23.12	0.0

n7_Ant 3 (DS18)							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Power
Channel				200000	199500	199000	
50	QPSK	1	1	15.17	15.20	15.17	
50	QPSK	1	1	14.84	15.21	15.12	15.7
50	QPSK	1	255	15.01	15.16	15.09	0.0
50	QPSK	135	3	14.86	15.02	15.05	0.0
50	QPSK	135	66	15.11	15.15	15.13	0.0
50	QPSK	135	135	15.09	15.10	15.11	0.0
50	QPSK	270	0	15.05	15.11	15.10	0.0
50	16QAM	1	1	15.18	15.17	15.10	0.0
50	16QAM	1	1	14.82	14.98	15.15	0.0
50	256QAM	1	1	14.81	14.82	14.82	0.0
Channel				200300	199800	199300	
40	QPSK	1	1	15.13	15.17	15.13	0.0
Channel				200600	200100	199600	
30	QPSK	1	1	15.12	15.19	15.02	0.0
Channel				200900	200400	199900	
30	QPSK	1	1	15.11	15.18	15.01	0.0
Channel				201200	200700	200200	
20	QPSK	1	1	15.02	15.21	15.12	0.0
Channel				201500	201000	200500	
20	QPSK	1	1	15.10	15.20	15.10	0.0
Channel				201800	201300	200800	
15	QPSK	1	1	15.13	15.11	15.05	0.0
Channel				202100	201600	201100	
10	QPSK	1	1	15.16	15.24	15.07	0.0
Channel				202400	201900	201400	
5	QPSK	1	1	15.15	15.12	15.08	0.0

n7_Ant 4 (DS18)							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Power
Channel				200000	199500	199000	
50	QPSK	1	1	22.38	22.60	22.37	
50	QPSK	1	1	22.46	22.49	22.45	24.2
50	QPSK	1	254	22.50	22.58	22.50	0.0
50	QPSK	135	3	21.29	21.32	21.41	0.0
50	QPSK	135	66	22.44	22.52	22.51	0.0
50	QPSK	135	135	21.71	21.85	21.84	0.0
50	QPSK	270	0	21.36	21.37	21.36	0.0
50	16QAM	1	1	21.59	21.37	21.35	1.0
50	16QAM	1	1	19.98	19.98	19.91	2.5
50	256QAM	1	1	17.82	18.00	17.71	4.5
Channel				200300	199800	199300	
40	QPSK	1	1	22.34	22.51	22.28	24.2
Channel				200600	200100	199600	
30	QPSK	1	1	22.28	22.38	22.20	24.2
Channel				200900	200400	199900	
30	QPSK	1	1	22.25	22.35	22.25	0.0
Channel				201200	200700	200200	
20	QPSK	1	1	22.27	22.32	22.23	24.2
Channel				201500	201000	200500	
20	QPSK	1	1	22.30	22.31	22.24	0.0
Channel				201800	201300	200800	
10	QPSK	1	1	22.31	22.33	22.28	24.2
Channel				202100	201600	201100	
10	QPSK	1	1	22.26	22.50	22.22	0.0
Channel				202400	201900	201400	
5	QPSK	1	1	22.27	22.50	22.28	24.2



n12_Ant 0 (DS18)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPE (dB)	
Channel									
				141300	141500	141700			
Frequency (MHz)									
				36.4	36.5	36.6			
18	QPSK	1	1	23.23	23.28	23.23			
13	QPSK	1	40	23.10	23.25	23.19	24.2	0.0	
13	QPSK	1	77	23.10	23.24	23.18			
13	QPSK	36	3	22.72	22.72	22.72	23.7	0.5	
13	QPSK	36	29	23.13	23.23	23.18	24.2	0.0	
13	QPSK	36	43	22.58	22.58	22.58	23.7	0.5	
13	QPSK	72	0	22.68	22.68	22.68			
13	HDQAM	1	1	22.55	22.58	22.55	23.2	1.0	
13	HDQAM	1	1	21.20	21.21	21.26	21.7	2.5	
13	HDQAM	1	1	19.98	19.97	19.91	19.7	4.5	
Channel									
				140800	141000	142200	Tune-up limit	MPE	
Frequency (MHz)									
				36.4	36.5	37.1	(dBm)	(dB)	
18	QPSK	1	1	23.07	22.68	23.08	24.2	0.0	
Channel									
				140200	141000	142000	Tune-up limit	MPE	
Frequency (MHz)									
				36.5	36.5	37.3	(dBm)	(dB)	
5	QPSK	1	1	22.92	22.08	22.10	24.2	0.0	

n12_Ant 1 (DS18)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPE (dB)	
Channel									
				141300	141500	141700			
Frequency (MHz)									
				36.4	36.5	36.6			
18	QPSK	1	1	22.67	22.91	22.68			
15	QPSK	1	40	22.10	22.89	22.89	24.2	0.0	
15	QPSK	1	77	22.14	22.80	22.80			
15	QPSK	36	3	21.73	21.77	21.72	23.7	0.5	
15	QPSK	36	29	22.14	22.70	22.13	24.2	0.0	
15	QPSK	36	43	21.68	21.89	21.68	23.7	0.5	
15	QPSK	72	0	21.69	21.89	21.68			
15	HDQAM	1	1	21.69	21.81	21.51	23.2	1.0	
15	HDQAM	1	1	20.58	20.38	20.24	21.7	2.5	
15	HDQAM	1	1	19.40	19.38	19.21	19.7	4.5	
Channel									
				140800	141000	142200	Tune-up limit	MPE	
Frequency (MHz)									
				36.4	36.5	37.1	(dBm)	(dB)	
18	QPSK	1	1	22.23	22.72	22.68	24.2	0.0	
Channel									
				140200	141000	142000	Tune-up limit	MPE	
Frequency (MHz)									
				36.5	36.5	37.3	(dBm)	(dB)	
5	QPSK	1	1	22.68	22.71	22.75	24.2	0.0	

n13_Ant 0 (DS18)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPE (dB)	
Channel									
				155600	155800	156000			
Frequency (MHz)									
				39.2					
18	QPSK	1	1		23.03				
18	QPSK	1	26		23.03		24.2	0.0	
18	QPSK	1	55		23.00				
18	QPSK	36	3		22.01		23.7	0.5	
18	QPSK	36	14		23.00		24.2	0.0	
18	QPSK	36	27		22.07				
18	QPSK	72	0		22.06				
18	HDQAM	1	1		21.77		23.2	1.0	
18	HDQAM	1	1		20.54		21.7	2.5	
18	HDQAM	1	1		19.21		19.7	4.5	
Channel									
				155000	155400	155900	Tune-up limit	MPE	
Frequency (MHz)									
				39.1	39.2	39.3	(dBm)	(dB)	
5	QPSK	1	1	22.96	22.68	22.58	24.2	0.0	



n13_Ant 1 (DS18)							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPS (dB)
Channel							
10	QPSK	1	1	22.84			0.0
Frequency (MHz)							
10	QPSK	1	50	22.76			24.2
10	QPSK	1	50	22.87			0.0
10	QPSK	25	0	21.61			23.7
10	QPSK	25	16	22.65			24.2
10	QPSK	25	27	21.89			23.7
10	QPSK	50	0	21.66			23.7
10	16QAM	1	1	21.63			23.2
10	16QAM	1	1	20.23			21.7
10	16QAM	1	1	18.32			19.7
Channel							
15	QPSK	1	1	22.65	22.77	22.73	24.2
Frequency (MHz)							
15	QPSK	1	1	22.65	22.77	22.73	24.2

n25_Ant 3 (DS18)							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPS (dB)
Channel							
40	QPSK	1	1	15.31	15.35	15.29	16.7
Frequency (MHz)							
40	QPSK	1	108	15.20	15.17	15.11	16.7
40	QPSK	1	214	15.29	15.21	15.18	16.7
40	QPSK	108	0	15.21	15.18	15.15	16.7
40	QPSK	108	56	15.20	15.03	15.23	16.7
40	QPSK	108	108	15.16	15.23	15.17	16.7
40	16QAM	216	0	15.25	15.26	15.24	16.7
40	16QAM	1	1	15.29	15.26	15.14	16.7
40	16QAM	1	1	15.08	15.09	14.80	16.7
40	16QAM	1	1	15.30	15.02	14.85	16.7
Channel							
30	QPSK	1	1	15.24	15.22	15.23	16.7
Frequency (MHz)							
30	QPSK	1	1	15.24	15.22	15.23	16.7
Channel							
25	QPSK	1	1	15.10	15.25	15.17	16.7
Frequency (MHz)							
25	QPSK	1	1	15.20	15.05	15.00	16.7
Channel							
20	QPSK	1	1	15.21	15.20	15.15	16.7
Frequency (MHz)							
20	QPSK	1	1	15.21	15.20	15.15	16.7
Channel							
15	QPSK	1	1	15.20	15.25	15.18	16.7
Frequency (MHz)							
15	QPSK	1	1	15.20	15.25	15.18	16.7
Channel							
10	QPSK	1	1	15.20	15.27	15.23	16.7
Frequency (MHz)							
10	QPSK	1	1	15.20	15.27	15.23	16.7
Channel							
5	QPSK	1	1	15.17	15.31	15.24	16.7

n25_Ant 4 (DS18)							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPS (dB)
Channel							
40	QPSK	1	1	22.84	23.01	22.67	0.0
Frequency (MHz)							
40	QPSK	1	108	22.83	22.80	22.65	24.2
40	QPSK	1	214	22.80	22.98	22.81	0.0
40	QPSK	108	0	22.38	22.38	22.38	23.7
40	QPSK	108	54	22.84	22.82	22.81	24.2
40	QPSK	108	108	22.97	22.33	22.42	23.7
40	16QAM	216	0	22.86	22.86	22.86	23.2
40	16QAM	1	1	22.41	22.43	22.40	23.2
40	16QAM	1	1	20.85	20.73	21.12	21.7
40	16QAM	1	1	18.98	19.01	18.89	19.7
Channel							
30	QPSK	1	1	22.81	22.82	22.78	24.2
Frequency (MHz)							
30	QPSK	1	1	22.81	22.82	22.78	24.2
Channel							
25	QPSK	1	1	22.75	22.82	22.63	24.2
Frequency (MHz)							
25	QPSK	1	1	22.80	22.80	22.80	19.0
Channel							
20	QPSK	1	1	22.79	22.79	22.79	24.2
Frequency (MHz)							
20	QPSK	1	1	22.79	22.79	22.79	24.2
Channel							
15	QPSK	1	1	22.74	22.62	22.73	24.2
Frequency (MHz)							
15	QPSK	1	1	22.74	22.62	22.73	24.2
Channel							
10	QPSK	1	1	22.81	22.84	22.78	24.2
Frequency (MHz)							
10	QPSK	1	1	22.81	22.84	22.78	24.2
Channel							
5	QPSK	1	1	22.82	22.82	22.81	24.2



n26_Ant 0 (DS18)							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Media Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel							
20	QPSK	1	1	22.04	22.10	22.25	24.2
Frequency (MHz)							
20	QPSK	1	53	22.05	22.07	22.02	0.0
20	QPSK	1	104	22.09	22.05	22.06	0.0
20	QPSK	50	3	22.27	22.30	22.7	0.5
20	QPSK	50	28	22.21	22.30	22.1	0.0
20	QPSK	50	56	22.28	22.30	22.2	0.5
20	QPSK	100	0	22.28	22.28	22.28	0.0
20	16QAM	1	1	22.41	22.37	22.5	1.0
20	16QAM	1	1	20.86	21.05	20.94	2.5
20	16QAM	1	1	18.88	18.80	18.7	4.5
Channel							
15	QPSK	1	1	22.24	22.31	22.72	24.2
Frequency (MHz)							
15	QPSK	1	1	22.63	22.72	22.55	24.2
Channel							
5	QPSK	1	1	21.63	21.5	21.6	0.0

n26_Ant 1 (DS18)							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Media Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel							
20	QPSK	1	1	23.18	23.31	23.28	24.2
Frequency (MHz)							
20	QPSK	1	53	23.17	23.28	23.21	0.0
20	QPSK	1	104	23.15	23.25	23.10	0.0
20	QPSK	50	3	23.23	23.72	23.5	0.5
20	QPSK	50	28	23.21	23.28	23.25	0.0
20	QPSK	50	56	23.75	23.82	23.71	0.5
20	QPSK	100	0	23.75	23.75	23.75	0.0
20	16QAM	1	1	23.87	23.88	23.83	1.0
20	16QAM	1	1	20.88	20.92	21.05	2.5
20	16QAM	1	1	18.90	18.89	18.9	4.5
Channel							
15	QPSK	1	1	23.08	23.21	23.20	24.2
Frequency (MHz)							
15	QPSK	1	1	23.14	23.36	23.27	24.2
Channel							
5	QPSK	1	1	21.70	21.5	21.7	0.0

n66_Ant 3 (DS18)							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Media Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel							
40	QPSK	1	1	14.37	14.38	14.33	16.2
Frequency (MHz)							
40	QPSK	1	104	14.39	14.42	14.37	0.0
40	QPSK	1	214	14.33	14.34	14.30	0.0
40	QPSK	108	3	14.38	14.44	14.42	0.0
40	QPSK	108	54	14.32	14.35	14.35	0.0
40	QPSK	108	108	14.38	14.53	14.42	0.0
40	QPSK	216	0	14.40	14.40	14.40	0.0
40	16QAM	1	1	14.51	14.42	14.41	0.0
40	16QAM	1	1	14.35	14.22	14.25	0.0
40	16QAM	1	1	14.17	14.22	14.12	0.0
Channel							
30	QPSK	1	1	14.50	14.44	14.39	16.2
Frequency (MHz)							
20	QPSK	1	1	14.51	14.40	14.29	16.2
Channel							
15	QPSK	1	1	14.52	14.45	14.29	16.2
Frequency (MHz)							
15	QPSK	1	1	14.50	14.50	14.50	16.2
Channel							
10	QPSK	1	1	14.51	14.45	14.25	16.2
Frequency (MHz)							
5	QPSK	1	1	14.34	14.30	14.28	16.2

n66_Ant 4 (DS18)							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Media Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel							
40	QPSK	1	1	22.36	22.19	22.03	24.2
Frequency (MHz)							
40	QPSK	1	104	22.34	22.02	22.08	0.0
40	QPSK	1	214	22.36	22.07	22.01	0.0
40	QPSK	108	3	22.34	22.09	22.08	0.5
40	QPSK	108	54	22.40	22.01	22.04	0.0
40	QPSK	108	108	22.30	22.14	22.01	0.5
40	QPSK	216	0	22.34	22.09	22.09	0.0
40	16QAM	1	1	21.38	21.46	21.68	1.0
40	16QAM	1	1	20.24	20.50	20.80	2.5
40	16QAM	1	1	18.41	18.82	18.42	4.5
Channel							
30	QPSK	1	1	22.30	22.10	22.08	24.2
Frequency (MHz)							
20	QPSK	1	1	22.30	22.15	22.15	24.2
Channel							
15	QPSK	1	1	22.30	22.02	22.00	16.2
Frequency (MHz)							
15	QPSK	1	1	22.30	22.02	22.00	16.2
Channel							
10	QPSK	1	1	22.31	22.10	22.05	24.2
Frequency (MHz)							
5	QPSK	1	1	22.36	22.00	22.00	24.2



n38_Ant 3 (DS118)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Max Ch. Freq.	Power High Ch. Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				917000	919000	920900			
30	QPSK	1	1	13.43	13.58	13.64			
30	QPSK	1	36	13.60	13.75	13.74	15.2	0.0	
30	QPSK	1	75	13.84	13.96	13.88			
30	QPSK	36	0	13.80	13.79	13.80	15.2	0.0	
30	QPSK	36	18	13.85	13.86	13.85	15.2	0.0	
30	QPSK	36	37	13.89	13.78	13.78	15.2	0.0	
30	QPSK	75	0	13.90	13.81	13.81			
30	MSK4M	1	1	13.95	13.70	13.65	15.2	0.0	
30	MSK4M	1	1	13.87	13.48	13.87	15.2	0.0	
30	MSK4M	1	1	13.85	13.80	13.58	15.2	0.0	
Channel									
Frequency (MHz)				918000	919000	920900	Turn-up time (dBm)	MPR (dB)	
30	QPSK	1	1	13.40	13.83	13.70	15.2	0.0	

n38_Ant 4 (DS118)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Max Ch. Freq.	Power High Ch. Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				917000	919000	920900			
30	QPSK	0	1	21.00	21.08	21.08			
30	QPSK	1	36	22.00	22.04	22.00	24.2	0.0	
30	QPSK	1	75	22.00	22.07	22.02			
30	QPSK	36	0	22.04	22.07	22.03	23.7	0.0	
30	QPSK	36	18	22.00	22.00	22.01	23.2	0.0	
30	QPSK	36	37	22.38	22.26	22.40	23.7	0.0	
30	QPSK	75	0	22.40	22.34	22.33			
30	MSK4M	1	1	22.81	22.45	22.74	23.2	1.0	
30	MSK4M	1	1	21.12	21.81	21.05	21.7	2.5	
30	MSK4M	1	1	19.01	19.70	19.20	19.7	4.5	
Channel									
Frequency (MHz)				918000	919000	920900	Turn-up time (dBm)	MPR (dB)	
30	QPSK	1	1	22.04	21.04	22.20	24.2	0.0	

n41_Ant 3 (DS118)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Max Ch. Freq.	Power High Ch. Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				909000	910000	920000			
100	QPSK	1	1	13.05	13.95	13.70			
100	QPSK	1	137	13.77	13.64	13.68	15.2	0.0	
100	QPSK	1	274	13.66	13.60	13.49			
100	QPSK	195	0	13.81	13.70	13.72	15.2	0.0	
100	QPSK	195	96	13.86	13.80	13.81	15.2	0.0	
100	QPSK	195	138	13.75	13.78	13.68	15.2	0.0	
100	QPSK	270	0	13.81	13.81	13.70			
100	MSK4M	1	1	13.80	13.81	13.72	15.2	0.0	
100	MSK4M	1	1	13.78	13.68	13.30	15.2	0.0	
100	MSK4M	1	1	13.68	13.30	13.46	15.2	0.0	
Channel									
Frequency (MHz)				908000	910000	920000	Turn-up time (dBm)	MPR (dB)	
90	QPSK	1	1	13.88	13.87	13.84	15.2	0.0	
Channel									
Frequency (MHz)				907000	910000	920000	Turn-up time (dBm)	MPR (dB)	
80	QPSK	1	1	13.90	13.80	13.71	15.2	0.0	
Channel									
Frequency (MHz)				906000	910000	920000	Turn-up time (dBm)	MPR (dB)	
80	QPSK	1	1	13.90	13.80	13.71	15.2	0.0	
Channel									
Frequency (MHz)				905000	910000	920000	Turn-up time (dBm)	MPR (dB)	
80	QPSK	1	1	13.90	13.84	13.73	15.2	0.0	
Channel									
Frequency (MHz)				904000	910000	920000	Turn-up time (dBm)	MPR (dB)	
80	QPSK	1	1	13.90	13.80	13.71	15.2	0.0	
Channel									
Frequency (MHz)				903000	910000	920000	Turn-up time (dBm)	MPR (dB)	
80	QPSK	1	1	13.90	13.80	13.71	15.2	0.0	
Channel									
Frequency (MHz)				902000	910000	920000	Turn-up time (dBm)	MPR (dB)	
80	QPSK	1	1	13.90	13.80	13.71	15.2	0.0	
Channel									
Frequency (MHz)				901000	910000	920000	Turn-up time (dBm)	MPR (dB)	
80	QPSK	1	1	13.90	13.80	13.71	15.2	0.0	
Channel									
Frequency (MHz)				900000	910000	920000	Turn-up time (dBm)	MPR (dB)	
80	QPSK	1	1	13.90	13.80	13.71	15.2	0.0	

n41_Ant 4 (DS118)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Max Ch. Freq.	Power High Ch. Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				909000	910000	920000			
100	QPSK	1	1	22.74	22.70	22.73			
100	QPSK	1	137	22.80	22.71	22.80	24.2	0.0	
100	QPSK	1	274	22.70	22.71	22.60			
100	QPSK	195	0	22.73	22.70	22.68	23.7	0.0	
100	QPSK	195	96	22.70	22.70	22.65	24.2	0.0	
100	QPSK	195	138	22.87	22.68	22.78	23.7	0.0	
100	QPSK	270	0	22.80	22.70	22.60			
100	MSK4M	1	1	23.41	23.30	23.00	23.0	1.0	
100	MSK4M	1	1	19.88	19.80	19.88	21.7	2.5	
100	MSK4M	1	1	17.73	17.85	17.77	18.7	4.5	
Channel									
Frequency (MHz)				908000	910000	920000	Turn-up time (dBm)	MPR (dB)	
90	QPSK	1	1	22.73	22.70	22.70	24.2	0.0	
Channel									
Frequency (MHz)				907000	910000	920000	Turn-up time (dBm)	MPR (dB)	
80	QPSK	1	1	22.85	22.60	22.85	24.2	0.0	
Channel									
Frequency (MHz)				906000	910000	920000	Turn-up time (dBm)	MPR (dB)	
80	QPSK	1	1	22.85	22.60	22.85	24.2	0.0	
Channel									
Frequency (MHz)				905000	910000	920000	Turn-up time (dBm)	MPR (dB)	
80	QPSK	1	1	22.85	22.60	22.85	24.2	0.0	
Channel									
Frequency (MHz)				904000	910000	920000	Turn-up time (dBm)	MPR (dB)	
80	QPSK	1	1	22.85	22.60	22.85	24.2	0.0	
Channel									
Frequency (MHz)				903000	910000	920000	Turn-up time (dBm)	MPR (dB)	
80	QPSK	1	1	22.85	22.60	22.85	24.2	0.0	
Channel									
Frequency (MHz)				902000	910000	920000	Turn-up time (dBm)	MPR (dB)	
80	QPSK	1	1	22.85	22.60	22.85	24.2	0.0	
Channel									
Frequency (MHz)				901000	910000	920000	Turn-up time (dBm)	MPR (dB)	
80	QPSK	1	1	22.85	22.60	22.85	24.2	0.0	



n2_Ant 3 (DS17)								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPS (dB)
Channel								
Frequency (MHz)				1840	1840	1840		0.0
20	QPSK	1	1	19.00	20.00	19.93		
20	QPSK	1	53	19.01	20.04	19.88	21.2	0.0
20	QPSK	1	104	19.01	19.99	19.77		
20	QPSK	50	0	19.84	19.95	19.81	21.2	0.0
20	QPSK	50	28	19.81	19.98	19.77	21.2	0.0
20	QPSK	50	56	19.87	19.92	19.75	21.2	0.0
20	QPSK	100	0	19.88	19.96	19.78		
20	16QAM	1	1	19.98	19.99	19.73	21.2	0.0
20	16QAM	1	1	19.32	19.51	19.33	20.7	0.5
20	16QAM	1	1	19.38	17.36	19.39	19.7	2.5
Channel								
Frequency (MHz)				371540	371600	369590	Time-up limit (dBm)	MPS (dB)
Frequency (MHz)				1827.5	1830	1827.5		
15	QPSK	1	1	19.04	20.04	19.95	21.2	0.0
Channel								
Frequency (MHz)				371540	371600	369590	Time-up limit (dBm)	MPS (dB)
Frequency (MHz)				1827.5	1830	1827.5		
10	QPSK	1	1	19.88	20.03	19.80	21.2	0.0
Channel								
Frequency (MHz)				1827.5	1830	1827.5		
10	QPSK	1	1	19.02	18.90	19.07	21.2	0.0
10	QPSK	1	1	19.08	20.00	19.81	21.2	0.0

Reduced power for receiver off/HotSpot								
n2_Ant 4 (DS17)								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPS (dB)
Channel								
Frequency (MHz)				1840	1840	1840		0.0
20	QPSK	1	1	20.60	20.94	20.70		
20	QPSK	1	53	20.77	20.77	20.65	22.2	0.0
20	QPSK	1	104	20.55	20.77	20.51		
20	QPSK	50	0	20.59	20.73	20.54	22.2	0.0
20	QPSK	50	28	20.57	20.81	20.51	22.2	0.0
20	QPSK	50	56	20.55	20.78	20.41	22.2	0.0
20	QPSK	100	0	20.55	20.60	20.45		
20	16QAM	1	1	20.60	20.74	20.45	22.2	0.0
20	16QAM	1	1	20.13	20.18	20.05	21.7	0.5
20	16QAM	1	1	19.92	19.20	19.93	20.2	2.0
Channel								
Frequency (MHz)				371500	371600	369590	Time-up limit (dBm)	MPS (dB)
Frequency (MHz)				1827.5	1830	1827.5		
15	QPSK	1	1	20.37	20.75	20.64	22.2	0.0
Channel								
Frequency (MHz)				371500	371600	369590	Time-up limit (dBm)	MPS (dB)
Frequency (MHz)				1827.5	1830	1827.5		
10	QPSK	1	1	20.76	20.78	20.60	22.2	0.0
Channel								
Frequency (MHz)				1827.5	1830	1827.5		
10	QPSK	1	1	18.05	18.80	18.07	21.2	0.0
10	QPSK	1	1	20.75	20.85	20.68	22.3	0.0

n5_Ant 0 (DS17)								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPS (dB)
Channel								
Frequency (MHz)				1840	1840	1840		0.0
20	QPSK	1	1	21.02	21.03	21.03		
20	QPSK	1	53	22.02	22.07	22.00	24.2	0.0
20	QPSK	1	104	22.07	22.00	22.04		
20	QPSK	50	0	22.42	22.49	22.37	23.7	0.5
20	QPSK	50	28	22.08	22.00	22.04	24.2	0.0
20	QPSK	50	56	22.34	22.33	22.32	23.7	0.5
20	QPSK	100	0	22.00	22.00	22.00		
20	16QAM	1	1	22.50	22.50	22.50	23.2	1.0
20	16QAM	1	1	21.15	20.97	21.05	21.7	2.0
20	16QAM	1	1	19.95	19.98	19.95	19.7	4.5
Channel								
Frequency (MHz)				166300	167300	168300	Time-up limit (dBm)	MPS (dB)
Frequency (MHz)				811.5	811.5	811.5		
10	QPSK	1	1	22.98	22.94	22.93	24.2	0.0
Channel								
Frequency (MHz)				166300	167300	168300	Time-up limit (dBm)	MPS (dB)
Frequency (MHz)				811.5	811.5	811.5		
10	QPSK	1	1	22.97	22.91	22.94	24.5	0.0
Channel								
Frequency (MHz)				166300	167300	168300	Time-up limit (dBm)	MPS (dB)
Frequency (MHz)				811.5	811.5	811.5		
5	QPSK	1	1	22.98	23.70	23.70	24.5	0.0



n5_Ant 1 (DS17)								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Media Ch. Freq.	Power High Ch. Freq.	Turn-up time (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
36	QPSK	1	1	23.11	23.33	23.52		0.0
20	QPSK	1	1	23.03	23.00	23.00	24.2	0.0
24	QPSK	1	1	22.95	22.90	22.80		0.0
20	QPSK	50	0	22.53	22.46	22.42	23.7	0.0
26	QPSK	50	0	22.99	23.00	23.00	24.2	0.0
20	QPSK	50	0	22.52	22.50	22.18	23.7	0.0
26	QPSK	100	0	22.48	22.30	22.30		0.0
20	16QAM	1	1	22.28	22.02	22.27	23.2	1.0
20	16QAM	1	1	20.96	20.86	20.79	21.7	2.5
20	16QAM	1	1	19.97	19.93	19.76	19.7	4.5
Channel								
Frequency (MHz)								
16	QPSK	1	1	23.17	23.11	23.03	24.2	0.0
Channel								
Frequency (MHz)								
16	QPSK	1	1	23.08	22.97	22.95	24.2	0.0
Channel								
Frequency (MHz)								
6	QPSK	1	1	23.00	22.93	23.75	24.2	0.0

n7_Ant 3 (DS17)								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Media Ch. Freq.	Power High Ch. Freq.	Turn-up time (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
36	QPSK	1	1	17.61	17.62	17.63		0.0
30	QPSK	1	1	17.59	17.44	17.42	18.2	0.0
30	QPSK	1	1	17.50	17.50	17.51		0.0
30	QPSK	135	0	17.51	17.58	17.47	18.2	0.0
30	QPSK	135	0	17.56	17.50	17.50	18.2	0.0
30	QPSK	135	135	17.55	17.53	17.52	18.2	0.0
30	QPSK	270	0	17.44	17.50	17.49		0.0
30	16QAM	1	1	17.51	17.52	17.49	18.2	0.0
30	16QAM	1	1	17.20	17.30	17.46	18.2	0.0
30	16QAM	1	1	17.15	17.21	16.98	18.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	17.57	17.53	17.42	18.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.58	17.59	17.63	18.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.59	17.53	17.52		0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.59	17.60	17.60		0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.58	17.59	17.63	18.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	17.51	17.48	17.42	18.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	17.59	17.51	17.46	18.2	0.0
Channel								
Frequency (MHz)								
6	QPSK	1	1	17.57	17.49	17.42	18.2	0.0

n7_Ant 4 (DS17)								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Media Ch. Freq.	Power High Ch. Freq.	Turn-up time (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
36	QPSK	1	1	19.07	19.03	19.06		0.0
30	QPSK	1	1	19.07	19.04	19.02	21.2	0.0
30	QPSK	1	1	19.04	19.04	19.07		0.0
30	QPSK	135	0	19.04	19.04	19.48	21.2	0.0
30	QPSK	135	0	19.00	19.00	19.07	21.2	0.0
30	QPSK	135	135	19.06	19.04	19.04	21.2	0.0
30	QPSK	270	0	19.02	19.04	19.04		0.0
30	16QAM	1	1	19.04	19.01	19.08	21.2	0.0
30	16QAM	1	1	18.51	19.02	19.01	21.2	0.0
30	16QAM	1	1	18.01	18.01	17.99	20.7	1.5
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.04	19.03	19.01	21.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.03	19.02	19.03	21.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.00	19.00	19.00		0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.00	19.00	19.00		0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.00	19.04	19.00	21.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.01	19.00	19.00	21.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.01	19.00	19.00	21.2	0.0
Channel								
Frequency (MHz)								
6	QPSK	1	1	19.02	19.00	19.00	21.2	0.0



n12_Ant 0 (DS17)							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel							
				141300	141500	141700	
Frequency (MHz)				30.4	31.0	31.6	
10	QPSK	1	1	23.23	23.08	23.23	
15	QPSK	1	40	23.10	23.20	23.10	24.2
14	QPSK	1	17	23.13	23.04	23.10	
15	QPSK	36	0	22.77	22.72	22.72	0.5
10	QPSK	36	29	23.13	23.00	23.10	0.5
14	QPSK	36	43	22.50	22.55	22.50	0.5
10	QPSK	36	0	22.60	22.60	22.60	0.5
14	16QAM	1	1	22.50	22.50	22.50	1.0
15	16QAM	1	1	21.20	21.21	21.20	2.5
15	256QAM	1	1	19.90	19.97	19.97	4.5
Channel				140800	141500	142200	
Frequency (MHz)				30.4	31.0	31.6	
10	QPSK	1	1	23.07	22.98	23.08	0.0
Channel				140300	141000	141700	
Frequency (MHz)				30.3	30.9	31.5	
5	QPSK	1	1	22.90	22.98	22.90	0.0

n12_Ant 1 (DS17)							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel							
				141300	141500	141700	
Frequency (MHz)				30.4	31.0	31.6	
10	QPSK	1	1	22.67	22.91	22.60	
10	QPSK	1	40	22.70	22.80	22.60	24.2
10	QPSK	1	17	22.74	22.80	22.80	
15	QPSK	36	0	21.75	21.77	21.72	0.5
10	QPSK	36	29	22.24	22.10	22.10	0.5
10	QPSK	36	43	21.88	21.80	21.80	0.5
10	QPSK	36	0	21.70	21.60	21.70	0.5
10	16QAM	1	1	21.69	21.81	21.51	1.0
10	16QAM	1	1	20.00	20.30	20.24	2.5
10	256QAM	1	1	18.40	18.30	18.21	4.5
Channel				140800	141500	142200	
Frequency (MHz)				30.4	31.0	31.6	
10	QPSK	1	1	22.23	22.72	22.60	0.0
Channel				140300	141000	141700	
Frequency (MHz)				30.3	30.9	31.5	
5	QPSK	1	1	22.68	22.71	22.70	0.0

n13_Ant 0 (DS17)							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel							
				155000	155400	155800	
Frequency (MHz)				31.6	32.2	32.8	
10	QPSK	1	1		23.00		
10	QPSK	1	20		23.00		24.2
10	QPSK	1	10		23.00		
10	QPSK	20	0		22.01		23.7
10	QPSK	20	14		23.00		24.2
10	QPSK	20	27		22.07		0.5
10	QPSK	20	0		21.00		
10	16QAM	1	1		21.77		23.2
10	16QAM	1	1		20.94		21.7
10	256QAM	1	1		19.51		19.7
Channel				155000	155400	155800	
Frequency (MHz)				31.6	32.2	32.8	
5	QPSK	1	1	22.96	22.68	22.50	0.0



n13_Ant 1 (DS17)							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	MPS (dB)
Channel							
10	QPSK	1	1	22.84			
10	QPSK	1	36	22.76			24.2
10	QPSK	1	60	22.67			
10	QPSK	25	0	21.61			23.7
10	QPSK	25	16	22.65			24.2
10	QPSK	25	27	21.89			23.7
10	QPSK	60	0	23.56			25.3
10	16QAM	1	1	21.63			23.3
10	16QAM	1	1	20.23			21.7
10	16QAM	1	1	19.32			19.7
Channel							
15990	15650	15990					
Frequency (MHz)	15990	15650	15990				
5	QPSK	1	1	22.65	22.77	22.73	24.2

n25_Ant 3 (DS17)							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	MPS (dB)
Channel							
40	QPSK	1	1	19.65	19.77	19.54	
40	QPSK	1	108	19.50	19.68	19.65	21.2
40	QPSK	1	214	19.34	19.35	19.35	
40	QPSK	108	0	19.62	19.52	19.57	21.2
40	QPSK	108	54	19.63	19.61	19.58	21.2
40	QPSK	108	108	19.58	19.52	19.51	21.2
40	QPSK	216	0	19.62	19.56	19.53	21.2
40	16QAM	1	1	19.65	19.52	19.54	21.2
40	16QAM	1	1	19.60	19.74	19.25	20.7
40	16QAM	1	1	17.23	17.77	17.53	19.7
Channel							
37500	37600	38000					
Frequency (MHz)	37500	37600	38000				
30	QPSK	1	1	19.21	19.71	19.54	21.2
Channel							
37500	37600	38000					
Frequency (MHz)	37500	37600	38000				
25	QPSK	1	1	19.50	19.52	19.46	21.2
Channel							
37200	37500	37600					
Frequency (MHz)	37200	37500	37600				
20	QPSK	1	1	19.27	19.59	19.52	21.2
Channel							
37100	37600	38100					
Frequency (MHz)	37100	37600	38100				
15	QPSK	1	1	19.53	19.35	19.43	21.2
Channel							
37100	37600	38300					
Frequency (MHz)	37100	37600	38300				
10	QPSK	1	1	19.50	19.76	19.53	21.2
Channel							
37100	37600	38200					
Frequency (MHz)	37100	37600	38200				
5	QPSK	1	1	19.62	19.73	19.57	21.2

n25_Ant 4 (DS17)							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	MPS (dB)
Channel							
40	QPSK	1	1	21.00	21.03	21.04	
40	QPSK	1	108	20.86	21.02	20.94	22.2
40	QPSK	1	214	20.65	20.69	20.64	
40	QPSK	108	0	20.79	20.83	20.77	22.2
40	QPSK	108	54	20.85	21.03	20.92	22.2
40	QPSK	108	108	20.72	20.97	20.82	22.2
40	QPSK	216	0	20.84	20.99	20.87	22.2
40	16QAM	1	1	20.77	20.92	20.69	22.2
40	16QAM	1	1	20.64	20.84	20.71	21.7
40	16QAM	1	1	19.73	19.81	19.67	19.7
Channel							
37600	37600	38000					
Frequency (MHz)	37600	37600	38000				
30	QPSK	1	1	20.86	21.05	20.58	22.2
Channel							
37600	37600	38000					
Frequency (MHz)	37600	37600	38000				
25	QPSK	1	1	20.85	20.93	21.03	22.2
Channel							
37200	37600	38000					
Frequency (MHz)	37200	37600	38000				
20	QPSK	1	1	20.69	20.69	21.03	21.2
Channel							
37100	37600	38100					
Frequency (MHz)	37100	37600	38100				
15	QPSK	1	1	20.62	20.35	20.53	22.2
Channel							
37100	37600	38300					
Frequency (MHz)	37100	37600	38300				
10	QPSK	1	1	20.94	20.99	20.50	22.2
Channel							
37600	37600	38200					
Frequency (MHz)	37600	37600	38200				
5	QPSK	1	1	20.91	21.00	20.50	22.2



n26_Ant 0 (DS17)							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	MPR (dB)
20	QPSK	1	1	22.04	22.10	22.20	24.2
20	QPSK	1	83	22.06	22.07	22.07	24.2
20	QPSK	1	164	22.09	22.09	22.09	24.2
20	QPSK	50	0	22.07	22.30	22.30	23.7
20	QPSK	50	28	22.01	22.16	22.16	24.2
20	QPSK	50	56	22.28	22.30	22.30	23.7
20	QPSK	100	0	22.28	22.40	22.40	23.7
20	16QAM	1	1	22.01	22.07	22.05	23.3
20	16QAM	1	1	20.86	21.05	20.94	21.7
20	16QAM	1	1	18.80	18.80	18.80	19.7
Channel							
15	QPSK	1	1	22.24	22.21	22.72	24.2
Channel							
10	QPSK	1	1	22.08	22.72	22.58	24.2
Channel							
5	QPSK	1	1	22.03	22.58	22.30	24.2

n26_Ant 1 (DS17)							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	MPR (dB)
20	QPSK	1	1	23.18	23.31	23.28	24.2
20	QPSK	1	83	23.17	23.26	23.24	24.2
20	QPSK	1	164	23.15	23.25	23.15	24.2
20	QPSK	50	0	22.83	22.72	22.61	23.7
20	QPSK	50	28	22.81	23.08	23.26	24.2
20	QPSK	50	56	22.75	22.82	22.71	23.7
20	QPSK	100	0	22.75	22.76	22.68	23.7
20	16QAM	1	1	22.07	22.05	22.03	23.3
20	16QAM	1	1	20.88	20.92	21.05	21.7
20	16QAM	1	1	19.00	18.99	19.00	19.7
Channel							
15	QPSK	1	1	23.08	23.21	23.20	24.2
Channel							
10	QPSK	1	1	23.14	23.36	23.27	24.2
Channel							
5	QPSK	1	1	23.15	23.15	24.0	24.2

n66_Ant 3 (DS17)							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	MPR (dB)
40	QPSK	1	1	17.14	17.80	17.88	19.7
40	QPSK	1	104	17.13	17.80	17.72	19.7
40	QPSK	1	214	17.14	17.80	17.80	19.7
40	QPSK	100	0	17.73	17.82	17.77	19.7
40	QPSK	100	56	17.78	17.85	17.81	19.7
40	QPSK	100	108	17.88	17.76	17.77	19.7
40	QPSK	216	0	17.80	17.84	17.77	19.7
40	16QAM	1	1	17.08	17.72	17.72	19.7
40	16QAM	1	1	17.46	17.73	17.73	19.7
40	16QAM	1	1	17.55	17.43	17.58	19.7
Channel							
30	QPSK	1	1	17.58	17.80	17.85	19.7
Channel							
20	QPSK	1	1	17.59	17.76	17.80	19.7
Channel							
15	QPSK	1	1	17.55	17.62	17.62	19.7
Channel							
10	QPSK	1	1	17.50	17.60	17.60	19.7
Channel							
5	QPSK	1	1	17.04	17.81	17.84	19.7

n66_Ant 4 (DS17)							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	MPR (dB)
40	QPSK	1	1	21.00	21.20	21.08	22.2
40	QPSK	1	104	20.99	21.10	21.00	22.2
40	QPSK	1	214	21.00	21.11	21.07	22.2
40	QPSK	100	0	20.96	21.05	20.83	22.2
40	QPSK	100	56	21.01	21.08	20.98	22.2
40	QPSK	100	108	20.88	20.80	20.95	22.2
40	QPSK	216	0	20.98	21.00	20.91	22.2
40	16QAM	1	1	20.87	20.90	20.92	22.2
40	16QAM	1	1	20.48	20.44	20.39	21.7
40	16QAM	1	1	19.36	19.44	19.44	19.7
Channel							
30	QPSK	1	1	20.96	21.11	21.02	22.2
Channel							
20	QPSK	1	1	21.00	21.15	21.08	22.2
Channel							
15	QPSK	1	1	20.95	21.03	21.03	22.2
Channel							
10	QPSK	1	1	20.90	21.00	21.00	22.2
Channel							
5	QPSK	1	1	21.07	21.07	21.04	22.2



n38_Ant 3 (DS117)							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Media Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel							
				515000	516000	520000	
Frequency (MHz)							
30	QPSK	1	1	15.56	15.95	16.54	0.0
30	QPSK	1	36	15.86	16.86	18.82	17.7
30	QPSK	1	72	15.92	17.95	19.87	0.0
30	QPSK	36	0	15.82	16.81	18.84	17.7
30	QPSK	36	18	15.92	16.94	18.91	17.7
30	QPSK	36	37	15.83	16.83	18.87	17.7
30	QPSK	72	0	15.84	16.82	18.78	0.0
30	HQAM	1	1	15.78	15.80	15.90	17.7
30	HQAM	1	1	15.83	15.92	16.87	17.7
30	HQAM	1	1	15.87	15.82	15.78	17.7
Channel							
				516000	516000	520000	MPR
Frequency (MHz)							
30	QPSK	1	1	15.91	15.88	15.84	17.7

n38_Ant 4 (DS117)							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Media Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel							
				515000	516000	520000	
Frequency (MHz)							
30	QPSK	1	1	20.05	20.16	20.37	21.2
30	QPSK	1	36	20.04	20.13	20.31	0.0
30	QPSK	1	72	19.98	20.11	19.97	0.0
30	QPSK	36	0	19.97	19.98	19.80	21.2
30	QPSK	36	18	20.00	20.00	19.90	21.2
30	QPSK	36	37	19.97	19.91	19.88	21.2
30	QPSK	72	0	20.01	20.07	19.80	0.0
30	HQAM	1	1	19.95	19.97	19.75	21.2
30	HQAM	1	1	19.88	19.93	19.83	21.2
30	HQAM	1	1	19.71	19.68	19.57	19.7
Channel							
				516000	516000	520000	MPR
Frequency (MHz)							
30	QPSK	1	1	20.08	20.07	20.00	21.2

n41_Ant 3 (DS117)							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Media Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel							
				509000	510000	520000	
Frequency (MHz)							
100	QPSK	1	1	18.35	18.47	18.41	0.0
100	QPSK	1	137	18.28	18.42	18.28	17.7
100	QPSK	1	274	18.27	18.41	18.40	0.0
100	QPSK	137	0	18.38	18.34	18.30	17.7
100	QPSK	137	69	18.41	18.40	18.35	17.7
100	QPSK	137	138	18.38	18.28	18.22	17.7
100	QPSK	275	0	18.31	18.34	18.19	0.0
100	HQAM	1	1	18.31	18.41	18.27	17.7
100	HQAM	1	1	18.32	18.32	18.19	17.7
100	HQAM	1	1	18.30	18.38	18.28	17.7
Channel							
				509000	510000	520000	MPR
Frequency (MHz)							
30	QPSK	1	1	18.38	18.50	18.30	17.7
Channel							
				507000	510000	520000	MPR
Frequency (MHz)							
80	QPSK	1	1	20.08	20.07	20.00	21.2
Channel							
				509000	510000	520000	MPR
Frequency (MHz)							
80	QPSK	1	1	18.28	18.40	18.28	17.7
Channel							
				509000	510000	520000	MPR
Frequency (MHz)							
30	QPSK	1	1	18.35	18.32	18.23	17.7
Channel							
				509000	510000	520000	MPR
Frequency (MHz)							
50	QPSK	1	1	18.28	18.27	18.24	17.7
Channel							
				509000	510000	520000	MPR
Frequency (MHz)							
40	QPSK	1	1	18.38	18.28	18.19	17.7
Channel							
				509000	510000	520000	MPR
Frequency (MHz)							
30	QPSK	1	1	18.38	18.27	18.30	17.7
Channel							
				509000	510000	520000	MPR
Frequency (MHz)							
30	QPSK	1	1	20.08	20.07	20.00	21.2

n41_Ant 4 (DS117)							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Media Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel							
				509000	510000	520000	
Frequency (MHz)							
100	QPSK	1	1	20.21	20.21	20.12	0.0
100	QPSK	1	137	20.18	20.21	19.97	21.2
100	QPSK	1	274	20.09	20.22	20.08	0.0
100	QPSK	137	0	20.18	20.07	19.92	21.2
100	QPSK	137	69	20.18	20.13	20.06	21.2
100	QPSK	137	138	20.16	20.12	20.02	21.2
100	QPSK	275	0	20.12	20.11	19.96	0.0
100	HQAM	1	1	20.15	20.24	20.05	21.2
100	HQAM	1	1	20.11	20.04	20.01	21.2
100	HQAM	1	1	19.71	19.80	19.75	19.7
Channel							
				509000	510000	520000	MPR
Frequency (MHz)							
30	QPSK	1	1	20.15	20.21	20.01	21.2
Channel							
				507000	510000	520000	MPR
Frequency (MHz)							
80	QPSK	1	1	20.08	20.14	20.03	21.2
Channel							
				509000	510000	520000	MPR
Frequency (MHz)							
80	QPSK	1	1	20.18	20.27	20.09	21.2
Channel							
				509000	510000	520000	MPR
Frequency (MHz)							
50	QPSK	1	1	20.17	20.13	20.07	21.2
Channel							
				509000	510000	520000	MPR
Frequency (MHz)							
40	QPSK	1	1	20.14	20.11	20.07	21.2
Channel							
				509000	510000	520000	MPR
Frequency (MHz)							
30	QPSK	1	1	20.20	20.22	20.08	21.2
Channel							
				509000	510000	520000	MPR
Frequency (MHz)							
30	QPSK	1	1	20.08	20.07	20.00	21.2



n41_Ant 3 (Default)

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)								
100	QPSK	1	1	16.35	16.47	16.41	17.7	0.0
100	QPSK	1	137	16.26	16.42	16.28		
100	QPSK	1	271	16.27	16.41	16.40		
100	QPSK	135	0	16.36	16.34	16.30	17.7	0.0
100	QPSK	135	69	16.41	16.42	16.33	17.7	0.0
100	QPSK	135	138	16.36	16.28	16.22		
100	QPSK	270	0	16.31	16.38	16.19	17.7	0.0
100	16QAM	1	1	16.31	16.41	16.27	17.7	0.0
100	64QAM	1	1	16.32	16.32	16.19	17.7	0.0
100	256QAM	1	1	16.38	16.36	16.26	17.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	16.29	16.29	16.20	17.7	0.0
90	QPSK	1	1	16.23	16.29	16.30	17.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	16.28	16.40	16.28	17.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	16.38	16.29	16.21	17.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	16.29	16.29	16.24	17.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	16.38	16.28	16.19	17.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	16.38	16.27	16.30	17.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	16.33	16.30	16.20	17.7	0.0

5G NR N41 MIMO full power

n41_Ant 4 (Default)

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)								
100	QPSK	1	1	17.82	18.12	17.98	19.2	0.0
100	QPSK	1	137	17.81	17.89	17.83		
100	QPSK	1	271	17.88	17.90	17.86		
100	QPSK	135	0	17.86	17.87	17.78	19.2	0.0
100	QPSK	135	69	17.77	17.93	17.83	19.2	0.0
100	QPSK	135	138	17.85	17.92	17.77		
100	QPSK	270	0	17.86	17.92	17.72	19.2	0.0
100	16QAM	1	1	17.86	17.86	17.69	19.2	0.0
100	64QAM	1	1	17.70	17.88	17.71	19.2	0.0
100	256QAM	1	1	17.82	17.81	17.76	19.2	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	17.68	17.83	17.70	19.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	17.72	17.80	17.72	19.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	17.66	17.90	17.69	19.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	17.76	17.87	17.77	19.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	17.66	17.88	17.73	19.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.82	17.91	17.81	19.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	17.83	17.89	17.81	19.2	0.0

n41_Ant 5(Default)

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)								
100	QPSK	1	1	17.22	17.34	17.25	18.7	0.0
100	QPSK	1	137	17.16	17.19	17.21		
100	QPSK	1	271	17.15	17.21	17.22		
100	QPSK	135	0	17.15	17.15	17.14	18.7	0.0
100	QPSK	135	69	17.17	17.25	17.21	18.7	0.0
100	QPSK	135	138	17.16	17.24	17.20		
100	QPSK	270	0	17.08	17.20	17.15	18.7	0.0
100	16QAM	1	1	17.04	17.15	17.07	18.7	0.0
100	64QAM	1	1	17.05	17.20	17.07	18.7	0.0
100	256QAM	1	1	17.15	17.12	17.08	18.7	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	17.10	17.24	17.12	18.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	17.03	17.16	17.18	18.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	17.10	17.19	17.14	18.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	17.10	17.24	17.16	18.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	17.10	17.11	17.06	18.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.09	17.19	17.16	18.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	17.03	17.10	17.07	18.7	0.0



Reduced Power for 5G NR N41 MIMO receiver on

n41_Ant 3 (DSI18)									
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)									
100	QPSK	1	1	13.95	13.99	13.75			
100	QPSK	1	137	13.77	13.64	13.68	15.2	0.0	
100	QPSK	1	271	13.66	13.69	13.49			
100	QPSK	135	0	13.81	13.79	13.72	15.2	0.0	
100	QPSK	135	69	13.88	13.89	13.82	15.2	0.0	
100	QPSK	135	138	13.75	13.78	13.66	15.2	0.0	
100	QPSK	270	0	13.81	13.83	13.76	15.2	0.0	
100	16QAM	1	1	13.80	13.81	13.72	15.2	0.0	
100	64QAM	1	1	13.76	13.85	13.35	15.2	0.0	
100	256QAM	1	1	13.68	13.38	13.46	15.2	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	13.86	13.87	13.61	15.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	13.92	13.92	13.71	15.2	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	13.80	13.94	13.61	15.2	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	13.94	13.89	13.63	15.2	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	13.94	13.89	13.61	15.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	13.89	13.89	13.65	15.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	13.93	13.97	13.63	15.2	0.0	

n41_Ant 4 (DSI18)									
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)									
100	QPSK	1	1	17.04	17.15	17.02			
100	QPSK	1	137	16.87	16.88	16.74	18.2	0.0	
100	QPSK	1	271	16.78	16.75	16.81			
100	QPSK	135	0	16.82	16.86	16.73	18.2	0.0	
100	QPSK	135	69	16.89	16.92	16.50	18.2	0.0	
100	QPSK	135	138	16.84	16.90	16.79	18.2	0.0	
100	QPSK	270	0	16.88	16.89	16.85	18.2	0.0	
100	16QAM	1	1	16.84	16.76	16.85	18.2	0.0	
100	64QAM	1	1	16.74	16.83	16.76	18.2	0.0	
100	256QAM	1	1	16.73	16.73	16.66	18.2	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	16.68	16.83	16.70	18.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.72	16.80	16.72	18.2	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	16.66	16.90	16.69	18.2	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	16.76	16.87	16.77	18.2	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	16.66	16.88	16.73	18.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.82	16.91	16.81	18.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.63	16.89	16.81	18.2	0.0	

n41_Ant 5 (DSI18)									
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)									
100	QPSK	1	1	11.72	11.84	11.75			
100	QPSK	1	137	11.66	11.69	11.71	13.2	0.0	
100	QPSK	1	271	11.65	11.71	11.72			
100	QPSK	135	0	11.65	11.65	11.64	13.2	0.0	
100	QPSK	135	69	11.67	11.75	11.71	13.2	0.0	
100	QPSK	135	138	11.60	11.74	11.70	13.2	0.0	
100	QPSK	270	0	11.58	11.70	11.65	13.2	0.0	
100	16QAM	1	1	11.54	11.65	11.57	13.2	0.0	
100	64QAM	1	1	11.55	11.70	11.57	13.2	0.0	
100	256QAM	1	1	11.65	11.62	11.58	13.2	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	11.60	11.74	11.62	13.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	11.63	11.66	11.68	13.2	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	11.60	11.69	11.64	13.2	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	11.60	11.74	11.60	13.2	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	11.60	11.61	11.56	13.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	11.59	11.69	11.66	13.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	11.53	11.60	11.57	13.2	0.0	



Reduced Power for receiver off/Hotspot_5G NR N41 MIMO

n41_Ant 3 (DS117)									
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)									
100	QPSK	1	1	16.35	16.47	16.41			
100	QPSK	1	137	16.26	16.42	16.28	17.7	0.0	
100	QPSK	1	271	16.27	16.41	16.40			
100	QPSK	135	0	16.36	16.34	16.30	17.7	0.0	
100	QPSK	135	69	16.41	16.42	16.33	17.7	0.0	
100	QPSK	135	138	16.36	16.28	16.22	17.7	0.0	
100	QPSK	270	0	16.31	16.38	16.19	17.7	0.0	
100	16QAM	1	1	16.31	16.41	16.27	17.7	0.0	
100	64QAM	1	1	16.32	16.32	16.19	17.7	0.0	
100	256QAM	1	1	16.38	16.36	16.26	17.7	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	16.23	16.29	16.30	17.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.28	16.40	16.28	17.7	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	16.38	16.29	16.21	17.7	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	16.23	16.29	16.24	17.7	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	16.38	16.23	16.19	17.7	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.38	16.27	16.30	17.7	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.33	16.30	16.23	17.7	0.0	

n41_Ant 4 (DS117)									
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)									
100	QPSK	1	1	17.82	18.12	17.98			
100	QPSK	1	137	17.81	17.89	17.83	19.2	0.0	
100	QPSK	1	271	17.88	17.90	17.86			
100	QPSK	135	0	17.86	17.87	17.78	19.2	0.0	
100	QPSK	135	69	17.77	17.93	17.83	19.2	0.0	
100	QPSK	135	138	17.85	17.92	17.77	19.2	0.0	
100	QPSK	270	0	17.86	17.92	17.72	19.2	0.0	
100	16QAM	1	1	17.86	17.86	17.69	19.2	0.0	
100	64QAM	1	1	17.70	17.88	17.71	19.2	0.0	
100	256QAM	1	1	17.82	17.81	17.76	19.2	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	17.68	17.83	17.70	19.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.72	17.80	17.72	19.2	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	17.66	17.90	17.69	19.2	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	17.76	17.87	17.77	19.2	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	17.66	17.88	17.73	19.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	17.82	17.91	17.81	19.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	17.63	17.89	17.81	19.2	0.0	

n41_Ant 5 (DS117)									
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)									
100	QPSK	1	1	17.22	17.34	17.25			
100	QPSK	1	137	17.16	17.19	17.21	18.7	0.0	
100	QPSK	1	271	17.15	17.21	17.22			
100	QPSK	135	0	17.15	17.15	17.14	18.7	0.0	
100	QPSK	135	69	17.17	17.25	17.21	18.7	0.0	
100	QPSK	135	138	17.16	17.24	17.20	18.7	0.0	
100	QPSK	270	0	17.08	17.20	17.15	18.7	0.0	
100	16QAM	1	1	17.04	17.15	17.07	18.7	0.0	
100	64QAM	1	1	17.05	17.20	17.07	18.7	0.0	
100	256QAM	1	1	17.15	17.12	17.08	18.7	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	17.10	17.24	17.12	18.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.03	17.16	17.18	18.7	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	17.10	17.19	17.14	18.7	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	17.10	17.24	17.16	18.7	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	17.01	17.11	17.06	18.7	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	17.09	17.19	17.16	18.7	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	17.03	17.10	17.07	18.7	0.0	



Conducted full Power for NR NSA

n5_Ant 0(Default)									
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)									
20	QPSK	1	1	23.02	23.05	23.00	24.2	0.0	
20	QPSK	1	53	22.92	22.97	22.89			
20	QPSK	1	104	22.87	22.89	22.84			
20	QPSK	50	0	22.42	22.46	22.37	23.7	0.5	
20	QPSK	50	28	22.86	22.85	22.84	24.2	0.0	
20	QPSK	50	56	22.34	22.33	22.32	23.7	0.5	
20	QPSK	100	0	22.40	22.45	22.42	23.7	0.5	
20	16QAM	1	1	22.50	22.56	22.38	23.2	1.0	
20	64QAM	1	1	21.15	20.97	21.18	21.7	2.5	
20	256QAM	1	1	18.85	18.98	19.05	19.7	4.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.98	22.94	22.93	24.2	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.97	22.91	22.84	24.2	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.96	22.73	22.74	24.2	0.0	

n5_Ant 1(Default)									
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)									
20	QPSK	1	1	23.11	23.20	22.92	24.2	0.0	
20	QPSK	1	53	23.03	23.09	22.80			
20	QPSK	1	104	22.95	22.99	22.89			
20	QPSK	50	0	22.53	22.46	22.42	23.7	0.5	
20	QPSK	50	28	22.86	23.04	22.88	24.2	0.0	
20	QPSK	50	56	22.52	22.39	22.19	23.7	0.5	
20	QPSK	100	0	22.46	22.50	22.28	23.7	0.5	
20	16QAM	1	1	22.49	22.52	22.27	23.2	1.0	
20	64QAM	1	1	20.96	20.96	20.79	21.7	2.5	
20	256QAM	1	1	18.97	18.93	18.76	19.7	4.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.17	23.11	23.03	24.2	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.08	22.97	22.95	24.2	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.92	22.76	22.75	24.2	0.0	

n7_Ant 3(Default)									
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)									
40	QPSK	1	1	22.23	22.27	22.23	23.7	0.0	
40	QPSK	1	108	21.89	22.03	21.99			
40	QPSK	1	214	22.11	22.15	22.13			
40	QPSK	108	0	21.18	21.32	21.31	23.2	0.5	
40	QPSK	108	54	22.28	22.29	22.15	23.7	0.0	
40	QPSK	108	108	21.24	21.29	21.17	23.2	0.5	
40	QPSK	216	0	21.48	21.52	21.38	23.7	0.5	
40	16QAM	1	1	21.12	21.18	21.17	22.7	1.0	
40	64QAM	1	1	18.88	19.11	19.08	21.2	2.5	
40	256QAM	1	1	17.09	17.13	17.06	19.2	4.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.10	22.21	22.20	23.7	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.17	22.32	22.24	23.7	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.05	22.17	22.19	23.7	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.04	22.18	22.19	23.7	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.09	22.23	22.31	23.7	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.12	22.28	22.27	23.7	0.0	



n7_Ant 6(Default)									
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)				2525	2535	2545			
40	QPSK	1	1	19.88	19.88	19.85			
40	QPSK	1	168	19.92	19.87	19.83	20.7	0.0	
40	QPSK	1	214	19.80	19.85	19.83			
40	QPSK	168	0	19.91	19.41	19.34	20.2	0.5	
40	QPSK	168	54	19.84	19.85	19.77	20.7	0.0	
40	QPSK	168	168	19.51	19.54	19.44			
40	QPSK	216	0	19.38	19.52	19.46	20.2	0.5	
40	16QAM	1	1	18.82	19.06	18.91	18.7	1.0	
40	64QAM	1	1	17.42	17.57	17.45	18.2	2.5	
40	256QAM	1	1	15.23	15.36	15.23	16.2	4.5	
Channel									
Frequency (MHz)				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	19.69	19.78	19.71	20.7	0.0	
Channel									
Frequency (MHz)				2512.5	2535	2547.5			
25	QPSK	1	1	19.68	19.70	19.82	20.7	0.0	
Channel									
Frequency (MHz)				501600	507000	512500	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	19.69	19.74	19.76	20.7	0.0	
Channel									
Frequency (MHz)				2507.5	2535	2565.5			
15	QPSK	1	1	19.79	19.70	19.65	20.7	0.0	
Channel									
Frequency (MHz)				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	19.68	19.82	19.75	20.7	0.0	
Channel									
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	19.72	19.68	19.67	20.7	0.0	

n66_Ant 3(Default)									
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)				1790	1745	1760			
40	QPSK	1	1	22.94	23.02	23.01			
40	QPSK	1	168	22.88	23.01	22.98	24.2	0.0	
40	QPSK	1	214	22.90	22.91	22.77			
40	QPSK	168	0	22.47	22.52	22.38	23.7	0.5	
40	QPSK	168	54	22.82	22.92	22.79	24.2	0.0	
40	QPSK	168	168	22.49	22.58	22.52			
40	QPSK	216	0	22.38	22.48	22.37	23.7	0.5	
40	16QAM	1	1	22.18	22.33	22.27	23.2	1.0	
40	64QAM	1	1	20.74	20.88	20.86	21.7	2.5	
40	256QAM	1	1	18.90	18.98	18.81	19.7	4.5	
Channel									
Frequency (MHz)				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	22.81	22.90	22.80	24.2	0.0	
Channel									
Frequency (MHz)				1725	1745	1765			
20	QPSK	1	1	22.82	22.88	22.82	24.2	0.0	
Channel									
Frequency (MHz)				345500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	22.87	22.89	22.91	24.2	0.0	
Channel									
Frequency (MHz)				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	22.93	22.93	22.98	24.2	0.0	
Channel									
Frequency (MHz)				342600	349000	356500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	22.92	22.89	22.91	24.2	0.0	

n66_Ant 6(Default)									
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)				1790	1745	1760			
40	QPSK	1	1	21.22	21.36	21.22			
40	QPSK	1	168	21.25	21.31	21.20	22.2	0.0	
40	QPSK	1	214	21.25	21.26	21.11			
40	QPSK	168	0	20.26	20.29	20.20	21.7	0.5	
40	QPSK	168	54	21.20	21.27	21.19	22.2	0.0	
40	QPSK	168	168	20.32	20.33	20.32			
40	QPSK	216	0	20.31	20.41	20.28	21.7	0.5	
40	16QAM	1	1	20.11	20.15	20.12	21.2	1.0	
40	64QAM	1	1	18.70	18.82	18.87	19.7	2.5	
40	256QAM	1	1	16.99	16.92	16.47	17.7	4.5	
Channel									
Frequency (MHz)				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	21.04	21.16	21.16	22.2	0.0	
Channel									
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	21.16	21.21	21.13	22.2	0.0	
Channel									
Frequency (MHz)				345500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	21.18	21.25	21.06	22.2	0.0	
Channel									
Frequency (MHz)				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	21.09	21.22	21.03	22.2	0.0	
Channel									
Frequency (MHz)				342600	349000	356500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	21.04	21.19	21.02	22.2	0.0	



n41_Ant 5(Default)

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	QPSK	1	1	22.32	22.37	22.28	23.7	0.0
100	QPSK	1	137	22.31	22.36	22.22		
100	QPSK	1	271	22.23	22.34	22.22		
100	QPSK	135	0	21.31	21.38	21.31	23.2	0.5
100	QPSK	135	69	22.33	22.36	22.22	23.7	0.0
100	QPSK	135	138	21.32	21.44	21.36	23.2	0.5
100	QPSK	270	0	21.37	21.52	21.43		
100	16QAM	1	1	20.89	20.93	20.92	22.7	1.0
100	64QAM	1	1	19.43	19.45	19.32	21.2	2.5
100	256QAM	1	1	17.66	17.72	17.70	19.2	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	22.16	22.23	22.18	23.7	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	22.25	22.18	22.14	23.7	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	22.26	22.33	22.26	23.7	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	22.20	22.23	22.08	23.7	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	22.26	22.31	22.22	23.7	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	22.29	22.31	22.17	23.7	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	22.14	22.33	22.21	23.7	0.0



Reduced Power for NR NSA receiver on

n5_Ant 0(DS118)								
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				168800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	17.26	17.44	17.25	18.7	0.0
20	QPSK	1	83	17.00	17.43	17.22		
20	QPSK	1	104	17.12	17.29	17.07		
20	QPSK	50	0	17.18	17.37	17.22	18.7	0.0
20	QPSK	50	28	17.35	17.35	17.34	18.7	0.0
20	QPSK	50	86	17.15	17.27	17.24	18.7	0.0
20	QPSK	100	0	17.26	17.35	17.27	18.7	0.0
20	16QAM	1	1	17.15	17.35	17.17	18.7	0.0
20	64QAM	1	1	17.27	17.36	17.30	18.7	0.0
20	256QAM	1	1	17.15	17.26	17.29	18.7	0.0
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	17.24	17.16	17.15	18.7	0.0
Channel				168900	167300	168900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	17.34	17.16	17.24	18.7	0.0
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				836.5	836.5	846.5		
5	QPSK	1	1	17.19	17.26	17.19	18.7	0.0

n5_Ant 1(DS118)								
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				168800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	20.78	20.81	20.65	21.7	0.0
20	QPSK	1	83	20.60	20.75	20.60		
20	QPSK	1	104	20.65	20.66	20.60		
20	QPSK	50	0	20.62	20.63	20.64	21.7	0.0
20	QPSK	50	28	20.67	20.73	20.60	21.7	0.0
20	QPSK	50	86	20.49	20.77	20.44	21.7	0.0
20	QPSK	100	0	20.48	20.71	20.49	21.7	0.0
20	16QAM	1	1	20.80	20.72	20.40	21.7	0.0
20	64QAM	1	1	20.56	20.60	20.41	21.7	0.0
20	256QAM	1	1	18.74	18.84	18.76	19.7	2.0
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	20.60	20.60	20.58	21.7	0.0
Channel				168900	167300	168900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	20.75	20.65	20.60	21.7	0.0
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				836.5	836.5	846.5		
5	QPSK	1	1	20.64	20.69	20.64	21.7	0.0

n7_Ant 3(DS118)								
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				509000	507000	509000		
Frequency (MHz)				2525	2535	2545		
40	QPSK	1	1	12.18	12.20	12.12	13.2	0.0
40	QPSK	1	108	12.08	12.19	12.10		
40	QPSK	1	214	12.14	12.17	12.11		
40	QPSK	108	0	12.01	12.01	11.94	13.2	0.0
40	QPSK	108	84	12.03	12.13	11.96	13.2	0.0
40	QPSK	108	108	11.97	12.05	11.92	13.2	0.0
40	QPSK	216	0	11.98	12.05	11.85	13.2	0.0
40	16QAM	1	1	11.90	11.98	11.89	13.2	0.0
40	64QAM	1	1	11.92	12.03	11.89	13.2	0.0
40	256QAM	1	1	11.95	11.95	11.78	13.2	0.0
Channel				509000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	11.92	11.83	11.88	13.2	0.0
Channel				509200	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	11.81	12.12	11.80	13.2	0.0
Channel				509200	507000	509200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	12.02	11.93	11.77	13.2	0.0
Channel				507000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	11.84	12.10	11.94	13.2	0.0
Channel				507000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	11.92	12.02	11.81	13.2	0.0
Channel				509500	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	11.97	11.96	11.85	13.2	0.0



n7_Ant 6(DSI18)									
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)				555000	507000	506000			
				2525	2535	2545			
40	QPSK	1	1	16.25	16.33	16.21			
40	QPSK	1	108	16.12	16.20	16.03	17.2	0.0	
40	QPSK	1	214	16.05	16.14	16.10			
40	QPSK	108	0	16.07	16.16	16.13	17.2	0.0	
40	QPSK	108	54	16.17	16.25	16.19	17.2	0.0	
40	QPSK	108	108	15.98	16.09	16.15			
40	QPSK	216	0	16.11	16.15	16.10	17.2	0.0	
40	16QAM	1	1	16.14	16.10	16.04	17.2	0.0	
40	16QAM	1	1	16.16	16.06	16.16	17.2	0.0	
40	256QAM	1	1	15.03	15.32	15.22	19.2	1.0	
Channel									
Frequency (MHz)				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
				2515	2535	2555			
30	QPSK	1	1	16.10	16.20	16.11	17.2	0.0	
Channel									
Frequency (MHz)				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
				2512.5	2535	2557.5			
25	QPSK	1	1	16.19	16.29	16.10	17.2	0.0	
Channel									
Frequency (MHz)				2510	2535	2560	Tune-up limit (dBm)	MPR (dB)	
				16.20	16.13	16.02	17.2	0.0	
20	QPSK	1	1	16.20	16.13	16.02	17.2	0.0	
Channel									
Frequency (MHz)				501500	507000	512000	Tune-up limit (dBm)	MPR (dB)	
				2507.5	2535	2562.5			
15	QPSK	1	1	16.10	16.26	16.05	17.2	0.0	
Channel									
Frequency (MHz)				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
				2505	2535	2565			
10	QPSK	1	1	16.07	16.19	16.08	17.2	0.0	
Channel									
Frequency (MHz)				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
				2502.5	2535	2567.5			
5	QPSK	1	1	16.06	16.28	16.15	17.2	0.0	

n66_Ant 3(DSI18)									
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)				346000	349000	350000			
				1730	1745	1760			
40	QPSK	1	1	13.07	13.12	12.96			
40	QPSK	1	108	12.97	13.03	12.95	14.2	0.0	
40	QPSK	1	214	13.01	13.02	12.95			
40	QPSK	108	0	12.81	12.94	12.78	14.2	0.0	
40	QPSK	108	54	12.94	13.08	12.98	14.2	0.0	
40	QPSK	108	108	12.91	12.98	12.86			
40	QPSK	216	0	12.92	12.93	12.80	14.2	0.0	
40	16QAM	1	1	12.99	13.08	12.84	14.2	0.0	
40	16QAM	1	1	12.89	12.96	12.82	14.2	0.0	
40	256QAM	1	1	13.05	13.08	12.90	14.2	0.0	
Channel									
Frequency (MHz)				345000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
				1725	1745	1765			
30	QPSK	1	1	12.99	13.08	12.87	14.2	0.0	
Channel									
Frequency (MHz)				344000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
				1720	1745	1770			
20	QPSK	1	1	12.98	12.88	12.90	14.2	0.0	
Channel									
Frequency (MHz)				343000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
				1717.5	1745	1772.5			
15	QPSK	1	1	13.04	12.98	12.82	14.2	0.0	
Channel									
Frequency (MHz)				342000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
				1715	1745	1775			
10	QPSK	1	1	12.92	12.92	12.77	14.2	0.0	
Channel									
Frequency (MHz)				342500	349000	350500	Tune-up limit (dBm)	MPR (dB)	
				1717.5	1745	1777.5			
5	QPSK	1	1	12.97	13.03	12.90	14.2	0.0	

n66_Ant 6(DSI18)									
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)				347000	349000	350000			
				1735	1745	1760			
40	QPSK	1	1	17.81	17.94	17.76			
40	QPSK	1	108	17.76	17.93	17.63	18.7	0.0	
40	QPSK	1	214	17.61	17.78	17.67			
40	QPSK	108	0	17.81	17.86	17.67	18.7	0.0	
40	QPSK	108	54	17.84	17.87	17.76	18.7	0.0	
40	QPSK	108	108	17.72	17.80	17.73			
40	QPSK	216	0	17.68	17.76	17.61	18.7	0.0	
40	16QAM	1	1	17.78	17.76	17.59	18.7	0.0	
40	16QAM	1	1	17.70	17.62	17.59	18.7	0.0	
40	256QAM	1	1	16.51	16.53	16.41	17.7	1.0	
Channel									
Frequency (MHz)				346000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
				1725	1745	1765			
30	QPSK	1	1	17.68	17.62	17.54	18.7	0.0	
Channel									
Frequency (MHz)				345000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
				1720	1745	1770			
20	QPSK	1	1	17.77	17.80	17.59	18.7	0.0	
Channel									
Frequency (MHz)				344000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
				1717.5	1745	1772.5			
15	QPSK	1	1	17.76	17.74	17.66	18.7	0.0	
Channel									
Frequency (MHz)				343000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
				1715	1745	1775			
10	QPSK	1	1	17.66	17.68	17.61	18.7	0.0	
Channel									
Frequency (MHz)				342500	349000	350500	Tune-up limit (dBm)	MPR (dB)	
				1717.5	1745	1777.5			
5	QPSK	1	1	17.74	17.80	17.75	18.7	0.0	



n41_Ant 5(DSI18)

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	QPSK	1	1	12.35	12.46	12.38	13.7	0.0
100	QPSK	1	137	12.28	12.27	12.26		
100	QPSK	1	271	12.21	12.40	12.35		
100	QPSK	135	0	12.33	12.29	12.11	13.7	0.0
100	QPSK	135	69	12.34	12.37	12.26	13.7	0.0
100	QPSK	135	138	12.26	12.30	12.18	13.7	0.0
100	QPSK	270	0	12.29	12.32	12.21		
100	16QAM	1	1	12.18	12.17	12.08	13.7	0.0
100	64QAM	1	1	12.18	12.17	12.24	13.7	0.0
100	256QAM	1	1	12.28	12.27	12.10	13.7	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	12.30	12.22	12.14	13.7	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	12.23	12.33	12.23	13.7	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	12.17	12.25	12.07	13.7	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	12.21	12.35	12.16	13.7	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	12.25	12.35	12.21	13.7	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	12.28	12.19	12.11	13.7	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	12.26	12.19	12.22	13.7	0.0



Reduced Power for receiver off/Hotspot

n5_Ant 0(DS117)								
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		
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	17.28	17.44	17.26		
20	QPSK	1	53	17.10	17.43	17.22	18.7	0.0
20	QPSK	1	104	17.12	17.29	17.07		
20	QPSK	50	0	17.18	17.37	17.22	18.7	0.0
20	QPSK	50	28	17.35	17.38	17.34	18.7	0.0
20	QPSK	50	56	17.15	17.27	17.24	18.7	0.0
20	QPSK	100	0	17.26	17.38	17.27		
20	16QAM	1	1	17.15	17.35	17.17	18.7	0.0
20	16QAM	1	1	17.27	17.38	17.30	18.7	0.0
20	256QAM	1	1	17.15	17.38	17.28	18.7	0.0
Channel				166300	167300	168300	Tune-up limit	MPR
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)
15	QPSK	1	1	17.24	17.18	17.15	18.7	0.0
Channel				165800	167300	168800	Tune-up limit	MPR
Frequency (MHz)				829	836.5	844	(dBm)	(dB)
10	QPSK	1	1	17.34	17.18	17.24	18.7	0.0
Channel				165300	167300	166300	Tune-up limit	MPR
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)
5	QPSK	1	1	17.19	17.26	17.19	18.7	0.0

n5_Ant 1(DS117)								
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		
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	17.83	17.89	17.77		
20	QPSK	1	53	17.64	17.97	17.62	18.7	0.0
20	QPSK	1	104	17.79	17.70	17.72		
20	QPSK	50	0	17.75	17.80	17.50	18.7	0.0
20	QPSK	50	28	17.84	17.85	17.86	18.7	0.0
20	QPSK	50	56	17.77	17.76	17.53	18.7	0.0
20	QPSK	100	0	17.78	17.82	17.46		
20	16QAM	1	1	17.72	17.69	17.60	18.7	0.0
20	16QAM	1	1	17.91	17.68	17.60	18.7	0.0
20	256QAM	1	1	17.74	17.82	17.50	18.7	0.0
Channel				166300	167300	168300	Tune-up limit	MPR
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)
15	QPSK	1	1	17.68	17.71	17.71	18.7	0.0
Channel				165800	167300	168800	Tune-up limit	MPR
Frequency (MHz)				829	836.5	844	(dBm)	(dB)
10	QPSK	1	1	17.75	17.87	17.86	18.7	0.0
Channel				165300	167300	166300	Tune-up limit	MPR
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)
5	QPSK	1	1	17.67	17.82	17.88	18.7	0.0

n7_Ant 3(DS117)								
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				506000	507000	508000		
Frequency (MHz)				2525	2535	2545		
40	QPSK	1	1	14.44	14.54	14.53		
40	QPSK	1	108	14.37	14.51	14.50	15.7	0.0
40	QPSK	1	214	14.27	14.44	14.51		
40	QPSK	108	0	14.34	14.36	14.39	15.7	0.0
40	QPSK	108	54	14.42	14.52	14.42	15.7	0.0
40	QPSK	108	108	14.31	14.36	14.30	15.7	0.0
40	QPSK	216	0	14.30	14.41	14.38		
40	16QAM	1	1	14.35	14.43	14.37	15.7	0.0
40	16QAM	1	1	14.36	14.38	14.38	15.7	0.0
40	256QAM	1	1	14.33	14.33	14.25	15.7	0.0
Channel				506000	507000	510000	Tune-up limit	MPR
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)
30	QPSK	1	1	14.32	14.51	14.31	15.7	0.0
Channel				505500	507000	511500	Tune-up limit	MPR
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)
25	QPSK	1	1	14.36	14.45	14.35	15.7	0.0
Channel				505000	507000	512000	Tune-up limit	MPR
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)
20	QPSK	1	1	14.33	14.41	14.25	15.7	0.0
Channel				507000	507000	512500	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	1	14.26	14.46	14.38	15.7	0.0
Channel				507000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	1	14.36	14.37	14.32	15.7	0.0
Channel				506500	507000	513500	Tune-up limit	MPR
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	QPSK	1	1	14.33	14.44	14.33	15.7	0.0



n7_Ant 6(DSI17)									
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)				2525	2535	2545			
40	QPSK	1	1	18.59	18.73	18.69			
40	QPSK	1	108	18.50	18.56	18.61	19.7	0.0	
40	QPSK	1	214	18.45	18.72	18.58			
40	QPSK	108	0	18.39	18.64	18.59	19.7	0.0	
40	QPSK	108	54	18.56	18.70	18.62	19.7	0.0	
40	QPSK	108	108	18.38	18.58	18.42	19.7	0.0	
40	QPSK	216	0	18.38	18.62	18.50			
40	16QAM	1	1	18.36	18.69	18.60	19.7	0.0	
40	64QAM	1	1	17.25	17.42	17.36	18.2	1.5	
40	256QAM	1	1	15.98	15.92	15.95	16.2	3.5	
Channel									
Frequency (MHz)				50500	50700	51000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	18.35	18.47	18.43	19.7	0.0	
Channel									
Frequency (MHz)				50200	50700	51100	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	18.44	18.55	18.50	19.7	0.0	
Channel									
Frequency (MHz)				50300	50700	51200	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	18.34	18.44	18.48	19.7	0.0	
Channel									
Frequency (MHz)				50100	50700	51200	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	18.37	18.48	18.54	19.7	0.0	
Channel									
Frequency (MHz)				50100	50700	51300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	18.45	18.47	18.44	19.7	0.0	
Channel									
Frequency (MHz)				50500	50700	51300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	18.40	18.40	18.50	19.7	0.0	

n66_Ant 3(DSI17)									
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)				1730	1745	1760			
40	QPSK	1	1	18.40	18.44	18.37			
40	QPSK	1	108	18.31	18.32	18.34	17.7	0.0	
40	QPSK	1	214	18.34	18.33	18.25			
40	QPSK	108	0	18.28	18.23	18.33	17.7	0.0	
40	QPSK	108	54	18.35	18.40	18.39	17.7	0.0	
40	QPSK	108	108	18.35	18.21	18.27			
40	QPSK	216	0	18.29	18.35	18.31	17.7	0.0	
40	16QAM	1	1	18.25	18.34	18.21	17.7	0.0	
40	64QAM	1	1	18.25	18.26	18.28	17.7	0.0	
40	256QAM	1	1	18.30	18.41	18.35	17.7	0.0	
Channel									
Frequency (MHz)				34500	34900	35300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	18.20	18.38	18.29	17.7	0.0	
Channel									
Frequency (MHz)				34600	34900	35400	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	18.20	18.33	18.24	17.7	0.0	
Channel									
Frequency (MHz)				34500	34900	35500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1715	1745	1775			
15	QPSK	1	1	18.39	18.24	18.28	17.7	0.0	
Channel									
Frequency (MHz)				34300	34900	35900	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	18.38	18.38	18.22	17.7	0.0	
Channel									
Frequency (MHz)				34200	34900	35500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1712.5	1745	1772.5			
5	QPSK	1	1	18.37	18.33	18.27	17.7	0.0	

n66_Ant 6(DSI17)									
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)				1730	1745	1760			
40	QPSK	1	1	17.81	17.84	17.76			
40	QPSK	1	108	17.78	17.63	17.63	18.7	0.0	
40	QPSK	1	214	17.81	17.78	17.67			
40	QPSK	108	0	17.81	17.86	17.67	18.7	0.0	
40	QPSK	108	54	17.84	17.87	17.75	18.7	0.0	
40	QPSK	108	108	17.72	17.89	17.73	18.7	0.0	
40	QPSK	216	0	17.68	17.76	17.61			
40	16QAM	1	1	17.78	17.76	17.59	18.7	0.0	
40	64QAM	1	1	17.76	17.82	17.69	18.7	0.0	
40	256QAM	1	1	18.51	18.53	18.41	17.7	1.0	
Channel									
Frequency (MHz)				34500	34900	35300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	17.68	17.82	17.64	18.7	0.0	
Channel									
Frequency (MHz)				34600	34900	35400	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	17.77	17.80	17.59	18.7	0.0	
Channel									
Frequency (MHz)				34500	34900	35500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1715	1745	1775			
15	QPSK	1	1	17.78	17.74	17.68	18.7	0.0	
Channel									
Frequency (MHz)				34300	34900	35900	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	17.68	17.89	17.61	18.7	0.0	
Channel									
Frequency (MHz)				34200	34900	35500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1712.5	1745	1772.5			
5	QPSK	1	1	17.74	17.80	17.75	18.7	0.0	



n41_Ant 5(DSI17)

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	QPSK	1	1	15.28	15.42	15.37	16.7	0.0
100	QPSK	1	137	15.25	15.40	15.32		
100	QPSK	1	271	15.12	15.34	15.17		
100	QPSK	135	0	15.29	15.37	15.07	16.7	0.0
100	QPSK	135	69	15.30	15.40	15.23	16.7	0.0
100	QPSK	135	138	15.29	15.39	15.11	16.7	0.0
100	QPSK	270	0	15.22	15.37	15.19		
100	16QAM	1	1	15.12	15.28	15.05	16.7	0.0
100	64QAM	1	1	15.11	15.38	15.03	16.7	0.0
100	256QAM	1	1	15.20	15.26	15.19	16.7	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	15.18	16.7	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	15.11	15.26	15.08	16.7	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	15.28	15.34	15.03	16.7	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	15.12	15.39	15.22	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	15.12	15.22	15.04	16.7	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	15.25	15.34	15.12	16.7	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	15.19	15.36	15.12	16.7	0.0



2.4GHz WLAN/5GHz WLAN Conducted Power

Large data table with multiple columns for channel, frequency, and power levels across various standards like 802.11n, 802.11ac, and 802.11ax.



Region of Development				Region of Development				Region of Development				Region of Development				Region of Development				Region of Development																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
Area	Country	Population (2010)	Population (2015)	Population (2020)	Population (2025)	Population (2030)	Population (2035)	Population (2040)	Population (2045)	Population (2050)	Population (2055)	Population (2060)	Population (2065)	Population (2070)	Population (2075)	Population (2080)	Population (2085)	Population (2090)	Population (2095)	Population (2100)	Population (2105)	Population (2110)	Population (2115)	Population (2120)	Population (2125)	Population (2130)	Population (2135)	Population (2140)	Population (2145)	Population (2150)	Population (2155)	Population (2160)	Population (2165)	Population (2170)	Population (2175)	Population (2180)	Population (2185)	Population (2190)	Population (2195)	Population (2200)	Population (2205)	Population (2210)	Population (2215)	Population (2220)	Population (2225)	Population (2230)	Population (2235)	Population (2240)	Population (2245)	Population (2250)	Population (2255)	Population (2260)	Population (2265)	Population (2270)	Population (2275)	Population (2280)	Population (2285)	Population (2290)	Population (2295)	Population (2300)	Population (2305)	Population (2310)	Population (2315)	Population (2320)	Population (2325)	Population (2330)	Population (2335)	Population (2340)	Population (2345)	Population (2350)	Population (2355)	Population (2360)	Population (2365)	Population (2370)	Population (2375)	Population (2380)	Population (2385)	Population (2390)	Population (2395)	Population (2400)	Population (2405)	Population (2410)	Population (2415)	Population (2420)	Population (2425)	Population (2430)	Population (2435)	Population (2440)	Population (2445)	Population (2450)	Population (2455)	Population (2460)	Population (2465)	Population (2470)	Population (2475)	Population (2480)	Population (2485)	Population (2490)	Population (2495)	Population (2500)	Population (2505)	Population (2510)	Population (2515)	Population (2520)	Population (2525)	Population (2530)	Population (2535)	Population (2540)	Population (2545)	Population (2550)	Population (2555)	Population (2560)	Population (2565)	Population (2570)	Population (2575)	Population (2580)	Population (2585)	Population (2590)	Population (2595)	Population (2600)	Population (2605)	Population (2610)	Population (2615)	Population (2620)	Population (2625)	Population (2630)	Population (2635)	Population (2640)	Population (2645)	Population (2650)	Population (2655)	Population (2660)	Population (2665)	Population (2670)	Population (2675)	Population (2680)	Population (2685)	Population (2690)	Population (2695)	Population (2700)	Population (2705)	Population (2710)	Population (2715)	Population (2720)	Population (2725)	Population (2730)	Population (2735)	Population (2740)	Population (2745)	Population (2750)	Population (2755)	Population (2760)	Population (2765)	Population (2770)	Population (2775)	Population (2780)	Population (2785)	Population (2790)	Population (2795)	Population (2800)	Population (2805)	Population (2810)	Population (2815)	Population (2820)	Population (2825)	Population (2830)	Population (2835)	Population (2840)	Population (2845)	Population (2850)	Population (2855)	Population (2860)	Population (2865)	Population (2870)	Population (2875)	Population (2880)	Population (2885)	Population (2890)	Population (2895)	Population (2900)	Population (2905)	Population (2910)	Population (2915)	Population (2920)	Population (2925)	Population (2930)	Population (2935)	Population (2940)	Population (2945)	Population (2950)	Population (2955)	Population (2960)	Population (2965)	Population (2970)	Population (2975)	Population (2980)	Population (2985)	Population (2990)	Population (2995)	Population (3000)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
116	SDO	1247	1260	1273	1286	1299	1312	1325	1338	1351	1364	1377	1390	1403	1416	1429	1442	1455	1468	1481	1494	1507	1520	1533	1546	1559	1572	1585	1598	1611	1624	1637	1650	1663	1676	1689	1702	1715	1728	1741	1754	1767	1780	1793	1806	1819	1832	1845	1858	1871	1884	1897	1910	1923	1936	1949	1962	1975	1988	2001	2014	2027	2040	2053	2066	2079	2092	2105	2118	2131	2144	2157	2170	2183	2196	2209	2222	2235	2248	2261	2274	2287	2300	2313	2326	2339	2352	2365	2378	2391	2404	2417	2430	2443	2456	2469	2482	2495	2508	2521	2534	2547	2560	2573	2586	2599	2612	2625	2638	2651	2664	2677	2690	2703	2716	2729	2742	2755	2768	2781	2794	2807	2820	2833	2846	2859	2872	2885	2898	2911	2924	2937	2950	2963	2976	2989	3002	3015	3028	3041	3054	3067	3080	3093	3106	3119	3132	3145	3158	3171	3184	3197	3210	3223	3236	3249	3262	3275	3288	3301	3314	3327	3340	3353	3366	3379	3392	3405	3418	3431	3444	3457	3470	3483	3496	3509	3522	3535	3548	3561	3574	3587	3600	3613	3626	3639	3652	3665	3678	3691	3704	3717	3730	3743	3756	3769	3782	3795	3808	3821	3834	3847	3860	3873	3886	3899	3912	3925	3938	3951	3964	3977	3990	4003	4016	4029	4042	4055	4068	4081	4094	4107	4120	4133	4146	4159	4172	4185	4198	4211	4224	4237	4250	4263	4276	4289	4302	4315	4328	4341	4354	4367	4380	4393	4406	4419	4432	4445	4458	4471	4484	4497	4510	4523	4536	4549	4562	4575	4588	4601	4614	4627	4640	4653	4666	4679	4692	4705	4718	4731	4744	4757	4770	4783	4796	4809	4822	4835	4848	4861	4874	4887	4900	4913	4926	4939	4952	4965	4978	4991	5004	5017	5030	5043	5056	5069	5082	5095	5108	5121	5134	5147	5160	5173	5186	5199	5212	5225	5238	5251	5264	5277	5290	5303	5316	5329	5342	5355	5368	5381	5394	5407	5420	5433	5446	5459	5472	5485	5498	5511	5524	5537	5550	5563	5576	5589	5602	5615	5628	5641	5654	5667	5680	5693	5706	5719	5732	5745	5758	5771	5784	5797	5810	5823	5836	5849	5862	5875	5888	5901	5914	5927	5940	5953	5966	5979	5992	6005	6018	6031	6044	6057	6070	6083	6096	6109	6122	6135	6148	6161	6174	6187	6200	6213	6226	6239	6252	6265	6278	6291	6304	6317	6330	6343	6356	6369	6382	6395	6408	6421	6434	6447	6460	6473	6486	6499	6512	6525	6538	6551	6564	6577	6590	6603	6616	6629	6642	6655	6668	6681	6694	6707	6720	6733	6746	6759	6772	6785	6798	6811	6824	6837	6850	6863	6876	6889	6902	6915	6928	6941	6954	6967	6980	6993	7006	7019	7032	7045	7058	7071	7084	7097	7110	7123	7136	7149	7162	7175	7188	7201	7214	7227	7240	7253	7266	7279	7292	7305	7318	7331	7344	7357	7370	7383	7396	7409	7422	7435	7448	7461	7474	7487	7500	7513	7526	7539	7552	7565	7578	7591	7604	7617	7630	7643	7656	7669	7682	7695	7708	7721	7734	7747	7760	7773	7786	7799	7812	7825	7838	7851	7864	7877	7890	7903	7916	7929	7942	7955	7968	7981	7994	8007	8020	8033	8046	8059	8072	8085	8098	8111	8124	8137	8150	8163	8176	8189	8202	8215	8228	8241	8254	8267	8280	8293	8306	8319	8332	8345	8358	8371	8384	8397	8410	8423	8436	8449	8462	8475	8488	8501	8514	8527	8540	8553	8566	8579	8592	8605	8618	8631	8644	8657	8670	8683	8696	8709	8722	8735	8748	8761	8774	8787	8800	8813	8826	8839	8852	8865	8878	8891	8904	8917	8930	8943	8956	8969	8982	8995	9008	9021	9034	9047	9060	9073	9086	9099	9112	9125	9138	9151	9164	9177	9190	9203	9216	9229	9242	9255	9268	9281	9294	9307	9320	9333	9346	9359	9372	9385	9398	9411	9424	9437	9450	9463	9476	9489	9502	9515	9528	9541	9554	9567	9580	9593	9606	9619	9632	9645	9658	9671	9684	9697	9710	9723	9736	9749	9762	9775	9788	9801	9814	9827	9840	9853	9866	9879	9892	9905	9918	9931	9944	9957	9970	9983	9996	10009



Bluetooth Conducted Power

BT BR/EDR

Mode	Channel	Frequency (MHz)	Average power (dBm)									Tune-up Limit
			Packet Type									
			DH1	DH3	DH5	2DH1	2DH3	2DH5	3DH1	3DH3	3DH5	
Bluetooth	CH 0	2402	14.90	15.00	15.10	12.00	12.10	12.20	12.00	12.10	12.20	16.50
	CH 39	2441	14.50	14.60	14.70	11.80	11.90	12.00	11.80	11.90	12.00	16.50
	CH 78	2480	14.50	14.60	14.70	11.50	11.60	11.70	11.50	11.60	11.70	16.50

BT LE

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	6.80	6.70
	CH 19	2440	6.90	6.80
	CH 39	2480	7.00	6.90
Tune-up Limit			9.00	9.00

BT BR/EDR For Receiver on Simultaneous

Mode	Channel	Frequency (MHz)	Average power (dBm)									Tune-up Limit
			Packet Type									
			DH1	DH3	DH5	2DH1	2DH3	2DH5	3DH1	3DH3	3DH5	
Bluetooth	CH 0	2402	5.50	5.50	5.60	3.20	3.20	3.30	3.20	3.20	3.30	7.00
	CH 39	2441	5.30	5.30	5.40	3.00	3.00	3.10	3.00	3.00	3.10	7.00
	CH 78	2480	5.30	5.30	5.40	3.00	3.00	3.10	3.00	3.00	3.10	7.00