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Glossary:

TSL	tissue simulating liquid
NORM _{x,y,z}	sensitivity in free space
ConvF	sensitivity in TSL / NORM _{x,y,z}
DCP	diode compression point
CF	crest factor (1/duty_cycle) of the RF signal
A, B, C, D	modulation dependent linearization parameters
Polarization φ	φ rotation around probe axis
Polarization ϑ	ϑ rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., $\vartheta = 0$ 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) IEC/IEEE 62209-1528, "Measurement Procedure For The Assessment Of Specific Absorption Rate Of Human Exposure To Radio Frequency Fields From Hand-Held And Body-Worn Wireless Communication Devices - Part 1528: Human Models, Instrumentation And Procedures (Frequency Range of 4 MHz to 10 GHz)", October 2020.
- b) 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 $\vartheta = 0$ ($f \leq 900$ MHz in TEM-cell; $f > 1800$ MHz: R22 waveguide). *NORM_{x,y,z}* are only intermediate values, i.e., the uncertainties of *NORM_{x,y,z}* does not affect 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 with CW signal (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}*; *D_{x,y,z}*; *VR_{x,y,z}*: *A, B, C, D* 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 $f \leq 800$ MHz) and inside waveguide using analytical field distributions based on power measurements for $f > 800$ MHz. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values 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 ± 50 MHz to ± 100 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:7706

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm ($\mu\text{V}/(\text{V}/\text{m})^2$) ^A	0.69	0.69	0.65	$\pm 10.1 \%$
DCP (mV) ^B	106.9	107.7	105.2	

Calibration Results for Modulation Response

UID	Communication System Name		A dB	B dB $\sqrt{\mu\text{V}}$	C	D dB	VR mV	Max dev.	Max Unc ^E (k=2)
0	CW	X	0.00	0.00	1.00	0.00	154.0	$\pm 3.5 \%$	$\pm 4.7 \%$
		Y	0.00	0.00	1.00		160.3		
		Z	0.00	0.00	1.00		148.7		
10352-AAA	Pulse Waveform (200Hz, 10%)	X	1.60	60.94	6.36	10.00	60.0	$\pm 2.9 \%$	$\pm 9.6 \%$
		Y	1.62	61.21	6.77		60.0		
		Z	1.63	60.93	6.47		60.0		
10353-AAA	Pulse Waveform (200Hz, 20%)	X	0.84	60.00	4.82	6.99	80.0	$\pm 2.6 \%$	$\pm 9.6 \%$
		Y	10.00	72.00	9.00		80.0		
		Z	0.78	60.00	4.77		80.0		
10354-AAA	Pulse Waveform (200Hz, 40%)	X	0.48	60.00	3.59	3.98	95.0	$\pm 2.3 \%$	$\pm 9.6 \%$
		Y	8.00	70.00	7.00		95.0		
		Z	0.12	138.94	0.56		95.0		
10355-AAA	Pulse Waveform (200Hz, 60%)	X	9.90	158.18	5.42	2.22	120.0	$\pm 1.6 \%$	$\pm 9.6 \%$
		Y	11.35	155.51	7.56		120.0		
		Z	6.16	160.00	17.66		120.0		
10387-AAA	QPSK Waveform, 1 MHz	X	0.78	65.29	12.72	1.00	150.0	$\pm 4.6 \%$	$\pm 9.6 \%$
		Y	0.57	62.71	10.79		150.0		
		Z	0.58	63.40	11.91		150.0		
10388-AAA	QPSK Waveform, 10 MHz	X	1.49	65.93	14.14	0.00	150.0	$\pm 1.3 \%$	$\pm 9.6 \%$
		Y	1.30	64.46	12.93		150.0		
		Z	1.35	65.38	13.64		150.0		
10396-AAA	64-QAM Waveform, 100 kHz	X	1.81	65.52	16.23	3.01	150.0	$\pm 0.8 \%$	$\pm 9.6 \%$
		Y	1.81	65.48	16.17		150.0		
		Z	1.71	64.70	16.01		150.0		
10399-AAA	64-QAM Waveform, 40 MHz	X	2.95	66.28	15.05	0.00	150.0	$\pm 2.4 \%$	$\pm 9.6 \%$
		Y	2.79	65.65	14.57		150.0		
		Z	2.84	66.07	14.93		150.0		
10414-AAA	WLAN CCDF, 64-QAM, 40MHz	X	4.03	65.80	15.24	0.00	150.0	$\pm 4.4 \%$	$\pm 9.6 \%$
		Y	3.85	65.47	14.91		150.0		
		Z	3.84	65.73	15.13		150.0		

Note: For details on UID parameters see Appendix

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 Pages 5 and 6).

^B Numerical linearization parameter: uncertainty not required.

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

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7706

Sensor Model Parameters

	C1 fF	C2 fF	α V^{-1}	T1 $ms.V^{-2}$	T2 $ms.V^{-1}$	T3 ms	T4 V^{-2}	T5 V^{-1}	T6
X	13.4	95.77	32.92	4.43	0.00	4.90	0.68	0.00	1.00
Y	11.6	84.11	33.49	4.96	0.00	4.95	0.70	0.00	1.00
Z	10.6	76.88	33.37	1.03	0.00	4.90	0.47	0.00	1.00

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	-151.1
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm

Note: Measurement distance from surface can be increased to 3-4 mm for an *Area Scan* job.

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7706

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)	Unc (k=2)
750	41.9	0.89	10.86	10.86	10.86	0.40	0.85	± 12.0 %
835	41.5	0.90	10.57	10.57	10.57	0.40	0.82	± 12.0 %
900	41.5	0.97	10.29	10.29	10.29	0.37	0.84	± 12.0 %
1750	40.1	1.37	9.22	9.22	9.22	0.25	0.86	± 12.0 %
1900	40.0	1.40	8.80	8.80	8.80	0.20	0.86	± 12.0 %
2000	40.0	1.40	8.64	8.64	8.64	0.24	0.86	± 12.0 %
2300	39.5	1.67	8.47	8.47	8.47	0.24	0.90	± 12.0 %
2450	39.2	1.80	8.29	8.29	8.29	0.23	0.90	± 12.0 %
2600	39.0	1.96	8.02	8.02	8.02	0.19	0.90	± 12.0 %
3300	38.2	2.71	7.63	7.63	7.63	0.30	1.35	± 14.0 %
3500	37.9	2.91	7.55	7.55	7.55	0.30	1.35	± 14.0 %
3700	37.7	3.12	7.50	7.50	7.50	0.30	1.35	± 14.0 %
3900	37.5	3.32	7.20	7.20	7.20	0.40	1.60	± 14.0 %
4100	37.2	3.53	7.13	7.13	7.13	0.40	1.60	± 14.0 %
4200	37.1	3.63	7.07	7.07	7.07	0.40	1.70	± 14.0 %
4400	36.9	3.84	6.86	6.86	6.86	0.40	1.70	± 14.0 %
4600	36.7	4.04	6.70	6.70	6.70	0.40	1.70	± 14.0 %
4800	36.4	4.25	6.45	6.45	6.45	0.40	1.80	± 14.0 %
4950	36.3	4.40	6.19	6.19	6.19	0.40	1.80	± 14.0 %
5250	35.9	4.71	6.07	6.07	6.07	0.40	1.80	± 14.0 %
5600	35.5	5.07	5.30	5.30	5.30	0.40	1.80	± 14.0 %
5750	35.4	5.22	5.49	5.49	5.49	0.40	1.80	± 14.0 %

^C Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the 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. Validity of ConvF assessed at 6 MHz is 4-9 MHz, and ConvF assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity can be extended to ± 110 MHz.

^F At frequencies up to 6 GHz, the validity of tissue parameters (ϵ and σ) can be relaxed to ± 10% if liquid compensation formula is applied to measured SAR values. 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 frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7706

Calibration Parameter Determined in Head Tissue Simulating Media

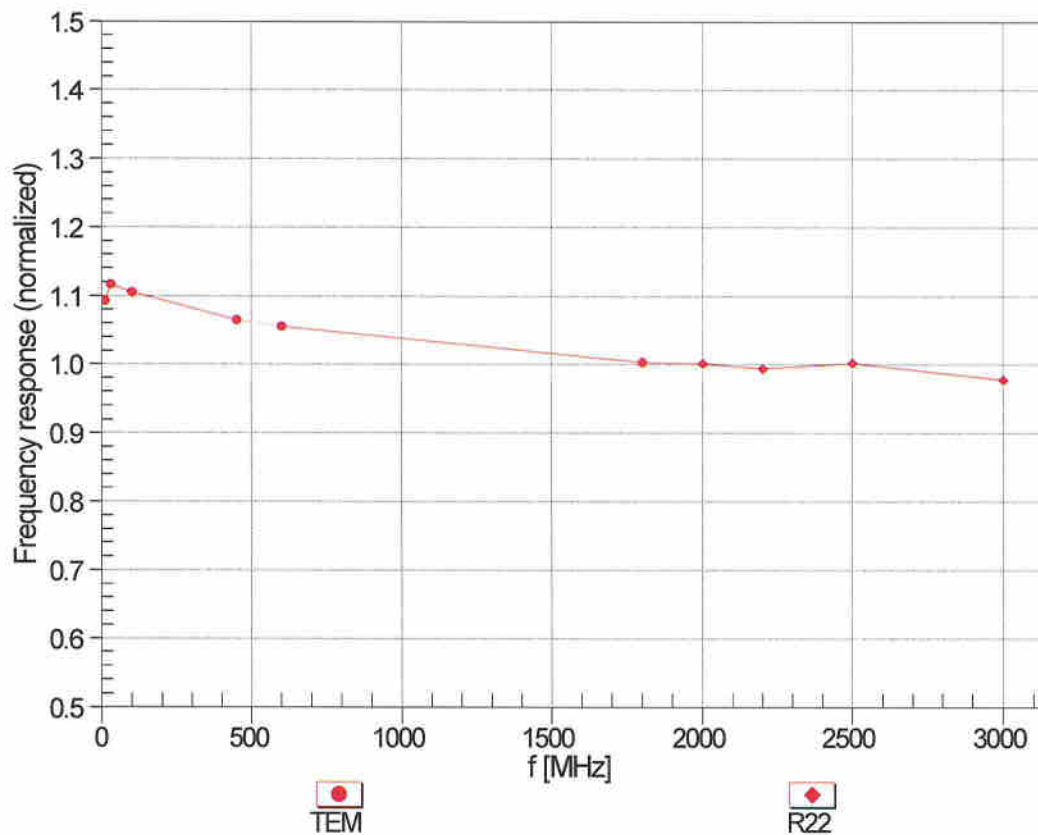
f (MHz) ^C	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)
6500	34.5	6.07	6.05	6.05	6.05	0.20	2.50	± 18.6 %

^C Frequency validity above 6GHz is ± 700 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band.

^F At frequencies 6-10 GHz, the validity of tissue parameters (ϵ and σ) can be relaxed to ± 10% if liquid compensation formula is applied to measured SAR values. 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; below ± 2% for frequencies between 3-6 GHz; and below ± 4% for frequencies between 6-10 GHz at any distance larger than half the probe tip diameter from the boundary.

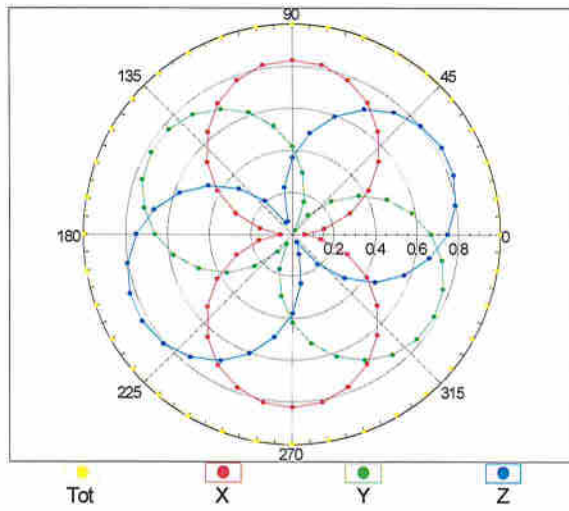
Frequency Response of E-Field (TEM-Cell:ifi110 EXX, Waveguide: R22)



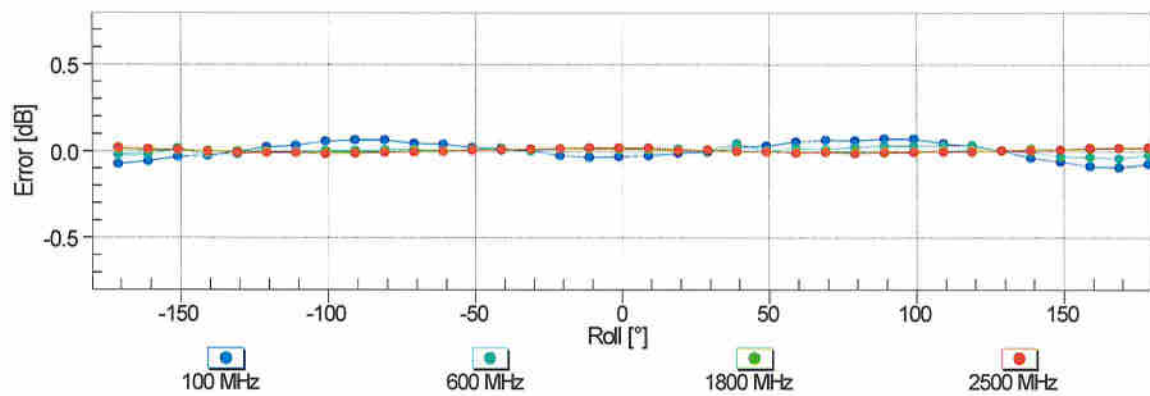
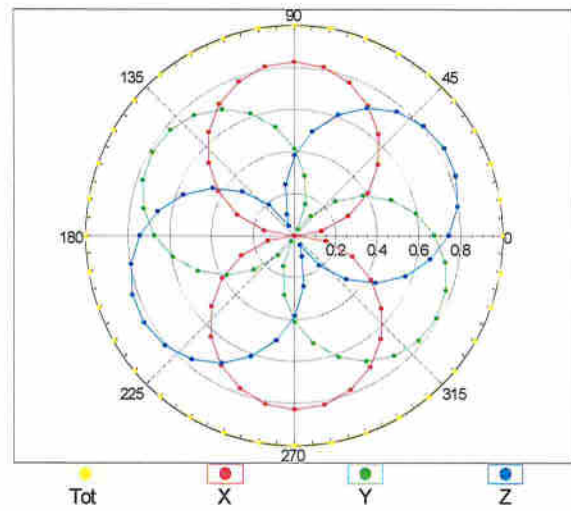
Uncertainty of Frequency Response of E-field: $\pm 6.3\%$ (k=2)

Receiving Pattern (ϕ), $\vartheta = 0^\circ$

f=600 MHz, TEM

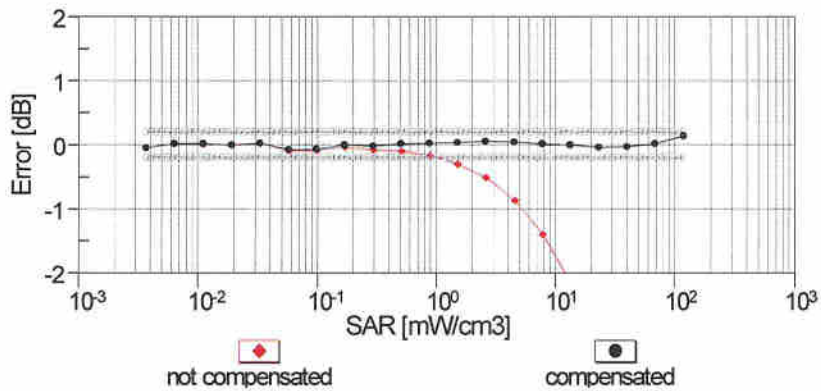
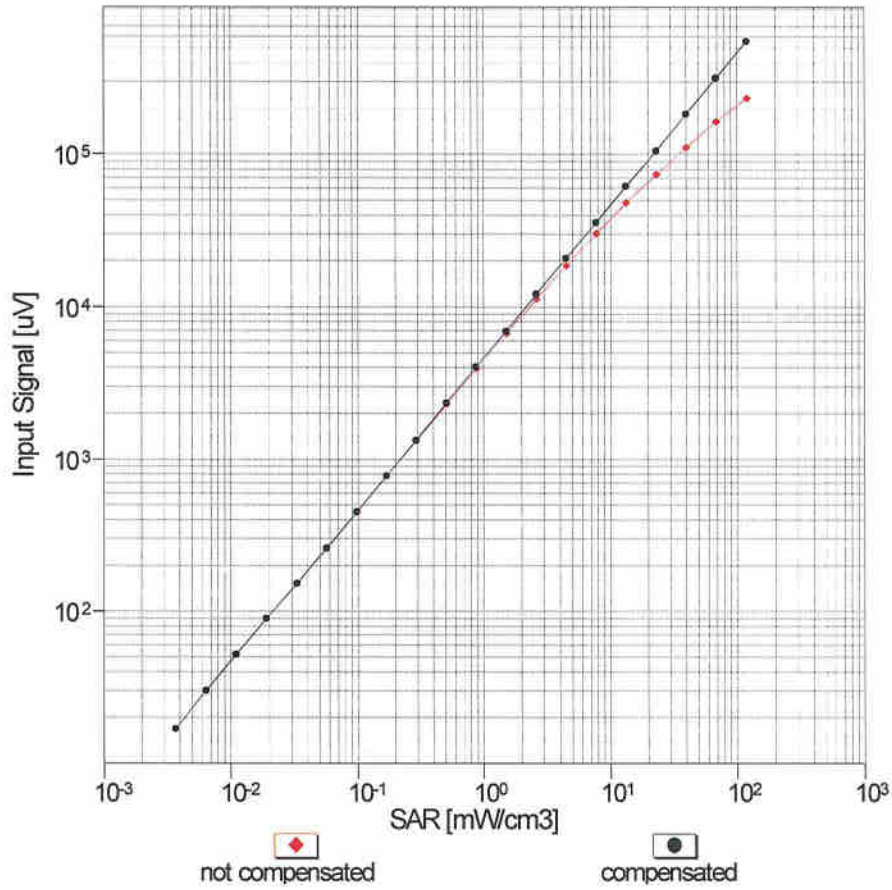


f=1800 MHz, R22



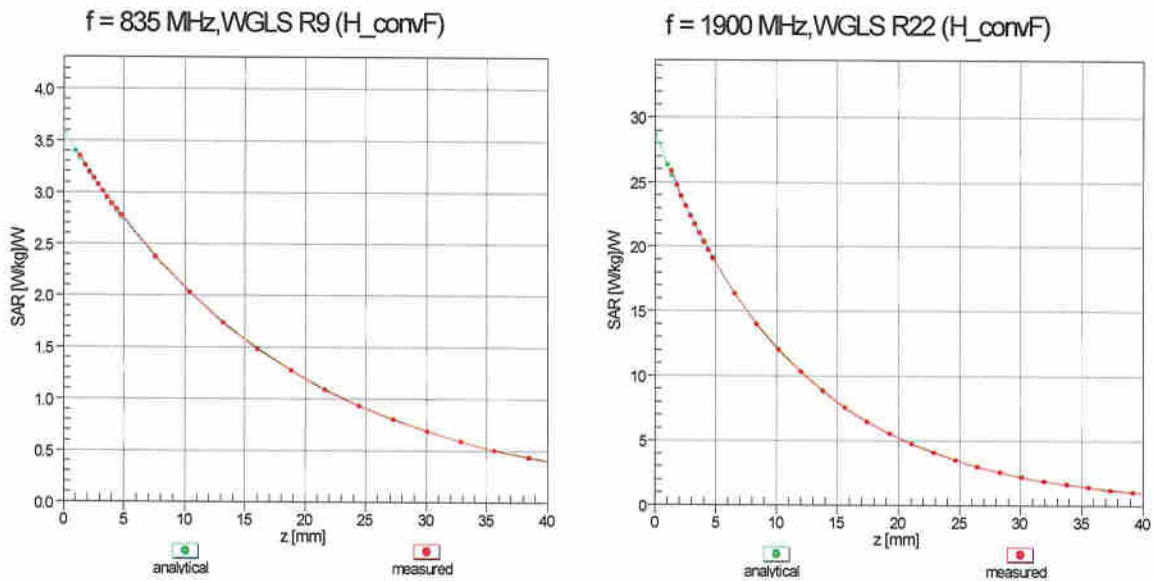
Uncertainty of Axial Isotropy Assessment: $\pm 0.5\%$ (k=2)

Dynamic Range f(SAR_{head}) (TEM cell , f_{eval}= 1900 MHz)

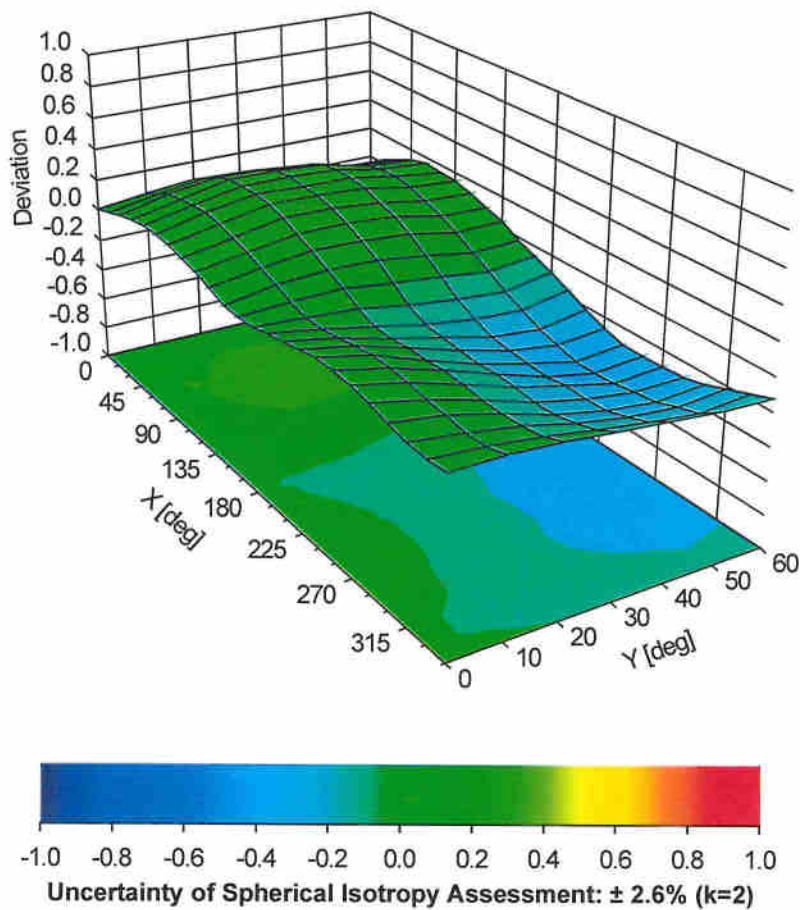


Uncertainty of Linearity Assessment: ± 0.6% (k=2)

Conversion Factor Assessment



Deviation from Isotropy in Liquid Error (ϕ, ϑ), f = 900 MHz



Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E (k=2)
0	-	CW	CW	0.00	± 4.7 %
10010	CAA	SAR Validation (Square, 100ms, 10ms)	Test	10.00	± 9.6 %
10011	CAB	UMTS-FDD (WCDMA)	WCDMA	2.91	± 9.6 %
10012	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	± 9.6 %
10013	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	± 9.6 %
10021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	± 9.6 %
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	± 9.6 %
10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56	± 9.6 %
10025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	± 9.6 %
10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	± 9.6 %
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	± 9.6 %
10028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	± 9.6 %
10029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	± 9.6 %
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	± 9.6 %
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	± 9.6 %
10032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	± 9.6 %
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	7.74	± 9.6 %
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	± 9.6 %
10035	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	± 9.6 %
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	± 9.6 %
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	± 9.6 %
10038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.10	± 9.6 %
10039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.57	± 9.6 %
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS	7.78	± 9.6 %
10044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	± 9.6 %
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	± 9.6 %
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	± 9.6 %
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	± 9.6 %
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	± 9.6 %
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	± 9.6 %
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	± 9.6 %
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	± 9.6 %
10062	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	± 9.6 %
10063	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	± 9.6 %
10064	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	± 9.6 %
10065	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	± 9.6 %
10066	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	± 9.6 %
10067	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	± 9.6 %
10068	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	± 9.6 %
10069	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	WLAN	10.56	± 9.6 %
10071	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	± 9.6 %
10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	± 9.6 %
10073	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	± 9.6 %
10074	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	± 9.6 %
10075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	± 9.6 %
10076	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	± 9.6 %
10077	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	± 9.6 %
10081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	± 9.6 %
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	4.77	± 9.6 %
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	± 9.6 %
10097	CAB	UMTS-FDD (HSDPA)	WCDMA	3.98	± 9.6 %
10098	CAB	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	± 9.6 %
10099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	± 9.6 %

10100	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	± 9.6 %
10101	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	± 9.6 %
10102	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10103	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	± 9.6 %
10104	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	± 9.6 %
10105	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	± 9.6 %
10108	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	5.80	± 9.6 %
10109	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10110	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	5.75	± 9.6 %
10111	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	6.44	± 9.6 %
10112	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	6.59	± 9.6 %
10113	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	± 9.6 %
10114	CAD	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	± 9.6 %
10115	CAD	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	± 9.6 %
10116	CAD	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	± 9.6 %
10117	CAD	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	± 9.6 %
10118	CAD	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	± 9.6 %
10119	CAD	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	± 9.6 %
10140	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.49	± 9.6 %
10141	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	± 9.6 %
10142	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10143	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	± 9.6 %
10144	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	± 9.6 %
10145	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	± 9.6 %
10146	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	± 9.6 %
10147	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	± 9.6 %
10149	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	± 9.6 %
10150	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10151	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	± 9.6 %
10152	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.92	± 9.6 %
10153	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD	10.05	± 9.6 %
10154	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	5.75	± 9.6 %
10155	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10156	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	± 9.6 %
10157	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	± 9.6 %
10158	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	± 9.6 %
10159	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	6.56	± 9.6 %
10160	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.82	± 9.6 %
10161	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10162	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	± 9.6 %
10166	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	± 9.6 %
10167	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	± 9.6 %
10168	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.79	± 9.6 %
10169	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10170	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10171	AAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.49	± 9.6 %
10172	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10173	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10174	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10175	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10176	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10177	CAI	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10178	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10179	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10180	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10181	CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %

10182	CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10183	AAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10184	CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10185	CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	± 9.6 %
10186	AAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10187	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10188	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10189	AAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10193	CAD	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	± 9.6 %
10194	CAD	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	± 9.6 %
10195	CAD	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	± 9.6 %
10196	CAD	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	± 9.6 %
10197	CAD	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
10198	CAD	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
10219	CAD	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	± 9.6 %
10220	CAD	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
10221	CAD	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
10222	CAD	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	± 9.6 %
10223	CAD	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.48	± 9.6 %
10224	CAD	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.08	± 9.6 %
10225	CAB	UMTS-FDD (HSPA+)	WCDMA	5.97	± 9.6 %
10226	CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	± 9.6 %
10227	CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	± 9.6 %
10228	CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	± 9.6 %
10229	CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10230	CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10231	CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	± 9.6 %
10232	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10233	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10234	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10235	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10236	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10237	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10238	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10239	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10240	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10241	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.82	± 9.6 %
10242	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	± 9.6 %
10243	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	± 9.6 %
10244	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	± 9.6 %
10245	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	± 9.6 %
10246	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	± 9.6 %
10247	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.91	± 9.6 %
10248	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD	10.09	± 9.6 %
10249	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	± 9.6 %
10250	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.81	± 9.6 %
10251	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	± 9.6 %
10252	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	± 9.6 %
10253	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	± 9.6 %
10254	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	± 9.6 %
10255	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20	± 9.6 %
10256	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	± 9.6 %
10257	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	± 9.6 %
10258	CAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	± 9.6 %
10259	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.98	± 9.6 %
10260	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	± 9.6 %

10261	CAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	± 9.6 %
10262	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	± 9.6 %
10263	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	± 9.6 %
10264	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	± 9.6 %
10265	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	± 9.6 %
10266	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	± 9.6 %
10267	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	± 9.6 %
10268	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.06	± 9.6 %
10269	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.13	± 9.6 %
10270	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TDD	9.58	± 9.6 %
10274	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	WCDMA	4.87	± 9.6 %
10275	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	3.96	± 9.6 %
10277	CAA	PHS (QPSK)	PHS	11.81	± 9.6 %
10278	CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	PHS	11.81	± 9.6 %
10279	CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	PHS	12.18	± 9.6 %
10290	AAB	CDMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	± 9.6 %
10291	AAB	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.46	± 9.6 %
10292	AAB	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.39	± 9.6 %
10293	AAB	CDMA2000, RC3, SO3, Full Rate	CDMA2000	3.50	± 9.6 %
10295	AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	12.49	± 9.6 %
10297	AAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	± 9.6 %
10298	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10299	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.39	± 9.6 %
10300	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10301	AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	WiMAX	12.03	± 9.6 %
10302	AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3CTRL)	WiMAX	12.57	± 9.6 %
10303	AAA	IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	WiMAX	12.52	± 9.6 %
10304	AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	WiMAX	11.86	± 9.6 %
10305	AAA	IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC)	WiMAX	15.24	± 9.6 %
10306	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC)	WiMAX	14.67	± 9.6 %
10307	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC)	WiMAX	14.49	± 9.6 %
10308	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	WiMAX	14.46	± 9.6 %
10309	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3)	WiMAX	14.58	± 9.6 %
10310	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3)	WiMAX	14.57	± 9.6 %
10311	AAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	± 9.6 %
10313	AAA	iDEN 1:3	iDEN	10.51	± 9.6 %
10314	AAA	iDEN 1:6	iDEN	13.48	± 9.6 %
10315	AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc dc)	WLAN	1.71	± 9.6 %
10316	AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc dc)	WLAN	8.36	± 9.6 %
10317	AAD	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc dc)	WLAN	8.36	± 9.6 %
10352	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	± 9.6 %
10353	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	± 9.6 %
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	± 9.6 %
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	± 9.6 %
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	± 9.6 %
10387	AAA	QPSK Waveform, 1 MHz	Generic	5.10	± 9.6 %
10388	AAA	QPSK Waveform, 10 MHz	Generic	5.22	± 9.6 %
10396	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	± 9.6 %
10399	AAA	64-QAM Waveform, 40 MHz	Generic	6.27	± 9.6 %
10400	AAE	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc dc)	WLAN	8.37	± 9.6 %
10401	AAE	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc dc)	WLAN	8.60	± 9.6 %
10402	AAE	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc dc)	WLAN	8.53	± 9.6 %
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	± 9.6 %
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	± 9.6 %
10406	AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	± 9.6 %
10410	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %

10414	AAA	WLAN CCDF, 64-QAM, 40MHz	Generic	8.54	± 9.6 %
10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc dc)	WLAN	1.54	± 9.6 %
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10417	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Long)	WLAN	8.14	± 9.6 %
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short)	WLAN	8.19	± 9.6 %
10422	AAC	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	± 9.6 %
10423	AAC	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	± 9.6 %
10424	AAC	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	± 9.6 %
10425	AAC	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	± 9.6 %
10426	AAC	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	± 9.6 %
10427	AAC	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	± 9.6 %
10430	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	± 9.6 %
10431	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	± 9.6 %
10432	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
10433	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
10434	AAA	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	± 9.6 %
10435	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10447	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	± 9.6 %
10448	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.53	± 9.6 %
10449	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.51	± 9.6 %
10450	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	± 9.6 %
10451	AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	± 9.6 %
10453	AAD	Validation (Square, 10ms, 1ms)	Test	10.00	± 9.6 %
10456	AAC	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc dc)	WLAN	8.63	± 9.6 %
10457	AAA	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	± 9.6 %
10458	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	± 9.6 %
10459	AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	± 9.6 %
10460	AAA	UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	± 9.6 %
10461	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10462	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.30	± 9.6 %
10463	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.56	± 9.6 %
10464	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10465	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10466	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10467	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10468	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10469	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.56	± 9.6 %
10470	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10471	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10472	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10473	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10474	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10475	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10477	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 %
10478	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 %
10479	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10480	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.18	± 9.6 %
10481	AAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	± 9.6 %
10482	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.71	± 9.6 %
10483	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, Sub)	LTE-TDD	8.39	± 9.6 %
10484	AAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.47	± 9.6 %
10485	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.59	± 9.6 %
10486	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.38	± 9.6 %
10487	AAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.60	± 9.6 %
10488	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.70	± 9.6 %

10489	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.31	± 9.6 %
10490	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	± 9.6 %
10491	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10492	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.41	± 9.6 %
10493	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.55	± 9.6 %
10494	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10495	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.37	± 9.6 %
10496	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	± 9.6 %
10497	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.67	± 9.6 %
10498	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.40	± 9.6 %
10499	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.68	± 9.6 %
10500	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.67	± 9.6 %
10501	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD	8.44	± 9.6 %
10502	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.52	± 9.6 %
10503	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.72	± 9.6 %
10504	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.31	± 9.6 %
10505	AAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	± 9.6 %
10506	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10507	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.36	± 9.6 %
10508	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.55	± 9.6 %
10509	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.99	± 9.6 %
10510	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.49	± 9.6 %
10511	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.51	± 9.6 %
10512	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10513	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.42	± 9.6 %
10514	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	± 9.6 %
10515	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc dc)	WLAN	1.58	± 9.6 %
10516	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc dc)	WLAN	1.57	± 9.6 %
10517	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc dc)	WLAN	1.58	± 9.6 %
10518	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
10519	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc dc)	WLAN	8.39	± 9.6 %
10520	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc dc)	WLAN	8.12	± 9.6 %
10521	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc dc)	WLAN	7.97	± 9.6 %
10522	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc dc)	WLAN	8.45	± 9.6 %
10523	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc dc)	WLAN	8.08	± 9.6 %
10524	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc dc)	WLAN	8.27	± 9.6 %
10525	AAC	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc dc)	WLAN	8.36	± 9.6 %
10526	AAC	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc dc)	WLAN	8.42	± 9.6 %
10527	AAC	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc dc)	WLAN	8.21	± 9.6 %
10528	AAC	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc dc)	WLAN	8.36	± 9.6 %
10529	AAC	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc dc)	WLAN	8.36	± 9.6 %
10531	AAC	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc dc)	WLAN	8.43	± 9.6 %
10532	AAC	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc dc)	WLAN	8.29	± 9.6 %
10533	AAC	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc dc)	WLAN	8.38	± 9.6 %
10534	AAC	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc dc)	WLAN	8.45	± 9.6 %
10535	AAC	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc dc)	WLAN	8.45	± 9.6 %
10536	AAC	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc dc)	WLAN	8.32	± 9.6 %
10537	AAC	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc dc)	WLAN	8.44	± 9.6 %
10538	AAC	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc dc)	WLAN	8.54	± 9.6 %
10540	AAC	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc dc)	WLAN	8.39	± 9.6 %
10541	AAC	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc dc)	WLAN	8.46	± 9.6 %
10542	AAC	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc dc)	WLAN	8.65	± 9.6 %
10543	AAC	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc dc)	WLAN	8.65	± 9.6 %
10544	AAC	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc dc)	WLAN	8.47	± 9.6 %
10545	AAC	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc dc)	WLAN	8.55	± 9.6 %
10546	AAC	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc dc)	WLAN	8.35	± 9.6 %

10547	AAC	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc dc)	WLAN	8.49	± 9.6 %
10548	AAC	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc dc)	WLAN	8.37	± 9.6 %
10550	AAC	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc dc)	WLAN	8.39	± 9.6 %
10551	AAC	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc dc)	WLAN	8.50	± 9.6 %
10552	AAC	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc dc)	WLAN	8.42	± 9.6 %
10553	AAC	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc dc)	WLAN	8.45	± 9.6 %
10554	AAD	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc dc)	WLAN	8.48	± 9.6 %
10555	AAD	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc dc)	WLAN	8.47	± 9.6 %
10556	AAD	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc dc)	WLAN	8.50	± 9.6 %
10557	AAD	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc dc)	WLAN	8.52	± 9.6 %
10558	AAD	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc dc)	WLAN	8.61	± 9.6 %
10560	AAD	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc dc)	WLAN	8.73	± 9.6 %
10561	AAD	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc dc)	WLAN	8.56	± 9.6 %
10562	AAD	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc dc)	WLAN	8.69	± 9.6 %
10563	AAD	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc dc)	WLAN	8.77	± 9.6 %
10564	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc dc)	WLAN	8.25	± 9.6 %
10565	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc)	WLAN	8.45	± 9.6 %
10566	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc dc)	WLAN	8.13	± 9.6 %
10567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc)	WLAN	8.00	± 9.6 %
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc)	WLAN	8.37	± 9.6 %
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc)	WLAN	8.10	± 9.6 %
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc dc)	WLAN	8.30	± 9.6 %
10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc)	WLAN	1.99	± 9.6 %
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc dc)	WLAN	1.99	± 9.6 %
10573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc)	WLAN	1.98	± 9.6 %
10574	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc dc)	WLAN	1.98	± 9.6 %
10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	± 9.6 %
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	± 9.6 %
10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	± 9.6 %
10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	± 9.6 %
10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	± 9.6 %
10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	± 9.6 %
10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	± 9.6 %
10582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	± 9.6 %
10583	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	± 9.6 %
10584	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	± 9.6 %
10585	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	± 9.6 %
10586	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	± 9.6 %
10587	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	± 9.6 %
10588	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	± 9.6 %
10589	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	± 9.6 %
10590	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	± 9.6 %
10591	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc)	WLAN	8.63	± 9.6 %
10592	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc dc)	WLAN	8.79	± 9.6 %
10593	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc dc)	WLAN	8.64	± 9.6 %
10594	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc dc)	WLAN	8.74	± 9.6 %
10595	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc dc)	WLAN	8.74	± 9.6 %
10596	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc)	WLAN	8.71	± 9.6 %
10597	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc)	WLAN	8.72	± 9.6 %
10598	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc dc)	WLAN	8.50	± 9.6 %
10599	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc dc)	WLAN	8.79	± 9.6 %
10600	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc dc)	WLAN	8.88	± 9.6 %
10601	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc dc)	WLAN	8.82	± 9.6 %
10602	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc)	WLAN	8.94	± 9.6 %
10603	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc dc)	WLAN	9.03	± 9.6 %
10604	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc dc)	WLAN	8.76	± 9.6 %

10605	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc dc)	WLAN	8.97	± 9.6 %
10606	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc dc)	WLAN	8.82	± 9.6 %
10607	AAC	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc dc)	WLAN	8.64	± 9.6 %
10608	AAC	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc dc)	WLAN	8.77	± 9.6 %
10609	AAC	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc dc)	WLAN	8.57	± 9.6 %
10610	AAC	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc dc)	WLAN	8.78	± 9.6 %
10611	AAC	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc dc)	WLAN	8.70	± 9.6 %
10612	AAC	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10613	AAC	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc dc)	WLAN	8.94	± 9.6 %
10614	AAC	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc dc)	WLAN	8.59	± 9.6 %
10615	AAC	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10616	AAC	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc dc)	WLAN	8.82	± 9.6 %
10617	AAC	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc dc)	WLAN	8.81	± 9.6 %
10618	AAC	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc dc)	WLAN	8.58	± 9.6 %
10619	AAC	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc dc)	WLAN	8.86	± 9.6 %
10620	AAC	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc dc)	WLAN	8.87	± 9.6 %
10621	AAC	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10622	AAC	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc dc)	WLAN	8.68	± 9.6 %
10623	AAC	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc dc)	WLAN	8.82	± 9.6 %
10624	AAC	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc dc)	WLAN	8.96	± 9.6 %
10625	AAC	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc dc)	WLAN	8.96	± 9.6 %
10626	AAC	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc dc)	WLAN	8.83	± 9.6 %
10627	AAC	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc dc)	WLAN	8.88	± 9.6 %
10628	AAC	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc dc)	WLAN	8.71	± 9.6 %
10629	AAC	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc dc)	WLAN	8.85	± 9.6 %
10630	AAC	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc dc)	WLAN	8.72	± 9.6 %
10631	AAC	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc dc)	WLAN	8.81	± 9.6 %
10632	AAC	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc dc)	WLAN	8.74	± 9.6 %
10633	AAC	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc dc)	WLAN	8.83	± 9.6 %
10634	AAC	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc dc)	WLAN	8.80	± 9.6 %
10635	AAC	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc dc)	WLAN	8.81	± 9.6 %
10636	AAD	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc dc)	WLAN	8.83	± 9.6 %
10637	AAD	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc dc)	WLAN	8.79	± 9.6 %
10638	AAD	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc dc)	WLAN	8.86	± 9.6 %
10639	AAD	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc dc)	WLAN	8.85	± 9.6 %
10640	AAD	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc dc)	WLAN	8.98	± 9.6 %
10641	AAD	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc dc)	WLAN	9.06	± 9.6 %
10642	AAD	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc dc)	WLAN	9.06	± 9.6 %
10643	AAD	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc dc)	WLAN	8.89	± 9.6 %
10644	AAD	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc dc)	WLAN	9.05	± 9.6 %
10645	AAD	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc dc)	WLAN	9.11	± 9.6 %
10646	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub=2,7)	LTE-TDD	11.96	± 9.6 %
10647	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7)	LTE-TDD	11.96	± 9.6 %
10648	AAA	CDMA2000 (1x Advanced)	CDMA2000	3.45	± 9.6 %
10652	AAE	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	± 9.6 %
10653	AAE	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	± 9.6 %
10654	AAD	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	± 9.6 %
10655	AAE	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	± 9.6 %
10658	AAA	Pulse Waveform (200Hz, 10%)	Test	10.00	± 9.6 %
10659	AAA	Pulse Waveform (200Hz, 20%)	Test	6.99	± 9.6 %
10660	AAA	Pulse Waveform (200Hz, 40%)	Test	3.98	± 9.6 %
10661	AAA	Pulse Waveform (200Hz, 60%)	Test	2.22	± 9.6 %
10662	AAA	Pulse Waveform (200Hz, 80%)	Test	0.97	± 9.6 %
10670	AAA	Bluetooth Low Energy	Bluetooth	2.19	± 9.6 %
10671	AAC	IEEE 802.11ax (20MHz, MCS0, 90pc dc)	WLAN	9.09	± 9.6 %
10672	AAC	IEEE 802.11ax (20MHz, MCS1, 90pc dc)	WLAN	8.57	± 9.6 %

10673	AAC	IEEE 802.11ax (20MHz, MCS2, 90pc dc)	WLAN	8.78	± 9.6 %
10674	AAC	IEEE 802.11ax (20MHz, MCS3, 90pc dc)	WLAN	8.74	± 9.6 %
10675	AAC	IEEE 802.11ax (20MHz, MCS4, 90pc dc)	WLAN	8.90	± 9.6 %
10676	AAC	IEEE 802.11ax (20MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
10677	AAC	IEEE 802.11ax (20MHz, MCS6, 90pc dc)	WLAN	8.73	± 9.6 %
10678	AAC	IEEE 802.11ax (20MHz, MCS7, 90pc dc)	WLAN	8.78	± 9.6 %
10679	AAC	IEEE 802.11ax (20MHz, MCS8, 90pc dc)	WLAN	8.89	± 9.6 %
10680	AAC	IEEE 802.11ax (20MHz, MCS9, 90pc dc)	WLAN	8.80	± 9.6 %
10681	AAC	IEEE 802.11ax (20MHz, MCS10, 90pc dc)	WLAN	8.62	± 9.6 %
10682	AAC	IEEE 802.11ax (20MHz, MCS11, 90pc dc)	WLAN	8.83	± 9.6 %
10683	AAC	IEEE 802.11ax (20MHz, MCS0, 99pc dc)	WLAN	8.42	± 9.6 %
10684	AAC	IEEE 802.11ax (20MHz, MCS1, 99pc dc)	WLAN	8.26	± 9.6 %
10685	AAC	IEEE 802.11ax (20MHz, MCS2, 99pc dc)	WLAN	8.33	± 9.6 %
10686	AAC	IEEE 802.11ax (20MHz, MCS3, 99pc dc)	WLAN	8.28	± 9.6 %
10687	AAC	IEEE 802.11ax (20MHz, MCS4, 99pc dc)	WLAN	8.45	± 9.6 %
10688	AAC	IEEE 802.11ax (20MHz, MCS5, 99pc dc)	WLAN	8.29	± 9.6 %
10689	AAC	IEEE 802.11ax (20MHz, MCS6, 99pc dc)	WLAN	8.55	± 9.6 %
10690	AAC	IEEE 802.11ax (20MHz, MCS7, 99pc dc)	WLAN	8.29	± 9.6 %
10691	AAC	IEEE 802.11ax (20MHz, MCS8, 99pc dc)	WLAN	8.25	± 9.6 %
10692	AAC	IEEE 802.11ax (20MHz, MCS9, 99pc dc)	WLAN	8.29	± 9.6 %
10693	AAC	IEEE 802.11ax (20MHz, MCS10, 99pc dc)	WLAN	8.25	± 9.6 %
10694	AAC	IEEE 802.11ax (20MHz, MCS11, 99pc dc)	WLAN	8.57	± 9.6 %
10695	AAC	IEEE 802.11ax (40MHz, MCS0, 90pc dc)	WLAN	8.78	± 9.6 %
10696	AAC	IEEE 802.11ax (40MHz, MCS1, 90pc dc)	WLAN	8.91	± 9.6 %
10697	AAC	IEEE 802.11ax (40MHz, MCS2, 90pc dc)	WLAN	8.61	± 9.6 %
10698	AAC	IEEE 802.11ax (40MHz, MCS3, 90pc dc)	WLAN	8.89	± 9.6 %
10699	AAC	IEEE 802.11ax (40MHz, MCS4, 90pc dc)	WLAN	8.82	± 9.6 %
10700	AAC	IEEE 802.11ax (40MHz, MCS5, 90pc dc)	WLAN	8.73	± 9.6 %
10701	AAC	IEEE 802.11ax (40MHz, MCS6, 90pc dc)	WLAN	8.86	± 9.6 %
10702	AAC	IEEE 802.11ax (40MHz, MCS7, 90pc dc)	WLAN	8.70	± 9.6 %
10703	AAC	IEEE 802.11ax (40MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10704	AAC	IEEE 802.11ax (40MHz, MCS9, 90pc dc)	WLAN	8.56	± 9.6 %
10705	AAC	IEEE 802.11ax (40MHz, MCS10, 90pc dc)	WLAN	8.69	± 9.6 %
10706	AAC	IEEE 802.11ax (40MHz, MCS11, 90pc dc)	WLAN	8.66	± 9.6 %
10707	AAC	IEEE 802.11ax (40MHz, MCS0, 99pc dc)	WLAN	8.32	± 9.6 %
10708	AAC	IEEE 802.11ax (40MHz, MCS1, 99pc dc)	WLAN	8.55	± 9.6 %
10709	AAC	IEEE 802.11ax (40MHz, MCS2, 99pc dc)	WLAN	8.33	± 9.6 %
10710	AAC	IEEE 802.11ax (40MHz, MCS3, 99pc dc)	WLAN	8.29	± 9.6 %
10711	AAC	IEEE 802.11ax (40MHz, MCS4, 99pc dc)	WLAN	8.39	± 9.6 %
10712	AAC	IEEE 802.11ax (40MHz, MCS5, 99pc dc)	WLAN	8.67	± 9.6 %
10713	AAC	IEEE 802.11ax (40MHz, MCS6, 99pc dc)	WLAN	8.33	± 9.6 %
10714	AAC	IEEE 802.11ax (40MHz, MCS7, 99pc dc)	WLAN	8.26	± 9.6 %
10715	AAC	IEEE 802.11ax (40MHz, MCS8, 99pc dc)	WLAN	8.45	± 9.6 %
10716	AAC	IEEE 802.11ax (40MHz, MCS9, 99pc dc)	WLAN	8.30	± 9.6 %
10717	AAC	IEEE 802.11ax (40MHz, MCS10, 99pc dc)	WLAN	8.48	± 9.6 %
10718	AAC	IEEE 802.11ax (40MHz, MCS11, 99pc dc)	WLAN	8.24	± 9.6 %
10719	AAC	IEEE 802.11ax (80MHz, MCS0, 90pc dc)	WLAN	8.81	± 9.6 %
10720	AAC	IEEE 802.11ax (80MHz, MCS1, 90pc dc)	WLAN	8.87	± 9.6 %
10721	AAC	IEEE 802.11ax (80MHz, MCS2, 90pc dc)	WLAN	8.76	± 9.6 %
10722	AAC	IEEE 802.11ax (80MHz, MCS3, 90pc dc)	WLAN	8.55	± 9.6 %
10723	AAC	IEEE 802.11ax (80MHz, MCS4, 90pc dc)	WLAN	8.70	± 9.6 %
10724	AAC	IEEE 802.11ax (80MHz, MCS5, 90pc dc)	WLAN	8.90	± 9.6 %
10725	AAC	IEEE 802.11ax (80MHz, MCS6, 90pc dc)	WLAN	8.74	± 9.6 %
10726	AAC	IEEE 802.11ax (80MHz, MCS7, 90pc dc)	WLAN	8.72	± 9.6 %
10727	AAC	IEEE 802.11ax (80MHz, MCS8, 90pc dc)	WLAN	8.66	± 9.6 %
10728	AAC	IEEE 802.11ax (80MHz, MCS9, 90pc dc)	WLAN	8.65	± 9.6 %

10729	AAC	IEEE 802.11ax (80MHz, MCS10, 90pc dc)	WLAN	8.64	± 9.6 %
10730	AAC	IEEE 802.11ax (80MHz, MCS11, 90pc dc)	WLAN	8.67	± 9.6 %
10731	AAC	IEEE 802.11ax (80MHz, MCS0, 99pc dc)	WLAN	8.42	± 9.6 %
10732	AAC	IEEE 802.11ax (80MHz, MCS1, 99pc dc)	WLAN	8.46	± 9.6 %
10733	AAC	IEEE 802.11ax (80MHz, MCS2, 99pc dc)	WLAN	8.40	± 9.6 %
10734	AAC	IEEE 802.11ax (80MHz, MCS3, 99pc dc)	WLAN	8.25	± 9.6 %
10735	AAC	IEEE 802.11ax (80MHz, MCS4, 99pc dc)	WLAN	8.33	± 9.6 %
10736	AAC	IEEE 802.11ax (80MHz, MCS5, 99pc dc)	WLAN	8.27	± 9.6 %
10737	AAC	IEEE 802.11ax (80MHz, MCS6, 99pc dc)	WLAN	8.36	± 9.6 %
10738	AAC	IEEE 802.11ax (80MHz, MCS7, 99pc dc)	WLAN	8.42	± 9.6 %
10739	AAC	IEEE 802.11ax (80MHz, MCS8, 99pc dc)	WLAN	8.29	± 9.6 %
10740	AAC	IEEE 802.11ax (80MHz, MCS9, 99pc dc)	WLAN	8.48	± 9.6 %
10741	AAC	IEEE 802.11ax (80MHz, MCS10, 99pc dc)	WLAN	8.40	± 9.6 %
10742	AAC	IEEE 802.11ax (80MHz, MCS11, 99pc dc)	WLAN	8.43	± 9.6 %
10743	AAC	IEEE 802.11ax (160MHz, MCS0, 90pc dc)	WLAN	8.94	± 9.6 %
10744	AAC	IEEE 802.11ax (160MHz, MCS1, 90pc dc)	WLAN	9.16	± 9.6 %
10745	AAC	IEEE 802.11ax (160MHz, MCS2, 90pc dc)	WLAN	8.93	± 9.6 %
10746	AAC	IEEE 802.11ax (160MHz, MCS3, 90pc dc)	WLAN	9.11	± 9.6 %
10747	AAC	IEEE 802.11ax (160MHz, MCS4, 90pc dc)	WLAN	9.04	± 9.6 %
10748	AAC	IEEE 802.11ax (160MHz, MCS5, 90pc dc)	WLAN	8.93	± 9.6 %
10749	AAC	IEEE 802.11ax (160MHz, MCS6, 90pc dc)	WLAN	8.90	± 9.6 %
10750	AAC	IEEE 802.11ax (160MHz, MCS7, 90pc dc)	WLAN	8.79	± 9.6 %
10751	AAC	IEEE 802.11ax (160MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10752	AAC	IEEE 802.11ax (160MHz, MCS9, 90pc dc)	WLAN	8.81	± 9.6 %
10753	AAC	IEEE 802.11ax (160MHz, MCS10, 90pc dc)	WLAN	9.00	± 9.6 %
10754	AAC	IEEE 802.11ax (160MHz, MCS11, 90pc dc)	WLAN	8.94	± 9.6 %
10755	AAC	IEEE 802.11ax (160MHz, MCS0, 99pc dc)	WLAN	8.64	± 9.6 %
10756	AAC	IEEE 802.11ax (160MHz, MCS1, 99pc dc)	WLAN	8.77	± 9.6 %
10757	AAC	IEEE 802.11ax (160MHz, MCS2, 99pc dc)	WLAN	8.77	± 9.6 %
10758	AAC	IEEE 802.11ax (160MHz, MCS3, 99pc dc)	WLAN	8.69	± 9.6 %
10759	AAC	IEEE 802.11ax (160MHz, MCS4, 99pc dc)	WLAN	8.58	± 9.6 %
10760	AAC	IEEE 802.11ax (160MHz, MCS5, 99pc dc)	WLAN	8.49	± 9.6 %
10761	AAC	IEEE 802.11ax (160MHz, MCS6, 99pc dc)	WLAN	8.58	± 9.6 %
10762	AAC	IEEE 802.11ax (160MHz, MCS7, 99pc dc)	WLAN	8.49	± 9.6 %
10763	AAC	IEEE 802.11ax (160MHz, MCS8, 99pc dc)	WLAN	8.53	± 9.6 %
10764	AAC	IEEE 802.11ax (160MHz, MCS9, 99pc dc)	WLAN	8.54	± 9.6 %
10765	AAC	IEEE 802.11ax (160MHz, MCS10, 99pc dc)	WLAN	8.54	± 9.6 %
10766	AAC	IEEE 802.11ax (160MHz, MCS11, 99pc dc)	WLAN	8.51	± 9.6 %
10767	AAE	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.99	± 9.6 %
10768	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10769	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10770	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10771	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10772	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	± 9.6 %
10773	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	± 9.6 %
10774	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10775	AAD	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	± 9.6 %
10776	AAD	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10777	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10778	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10779	AAC	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.42	± 9.6 %
10780	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	± 9.6 %
10781	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	± 9.6 %
10782	AAD	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	± 9.6 %
10783	AAE	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	± 9.6 %
10784	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	± 9.6 %

10785	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10786	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10787	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	± 9.6 %
10788	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10789	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10790	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10791	AAE	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	± 9.6 %
10792	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	± 9.6 %
10793	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	± 9.6 %
10794	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10795	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	± 9.6 %
10796	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10797	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10798	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10799	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
10801	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10802	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	± 9.6 %
10803	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
10805	AAD	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10806	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10809	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10810	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10812	AAD	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10817	AAE	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10818	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10819	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	± 9.6 %
10820	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10821	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10822	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10823	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10824	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10825	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10827	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.42	± 9.6 %
10828	AAD	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	± 9.6 %
10829	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10830	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.63	± 9.6 %
10831	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	± 9.6 %
10832	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	± 9.6 %
10833	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10834	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	± 9.6 %
10835	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10836	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	± 9.6 %
10837	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	± 9.6 %
10839	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10840	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	± 9.6 %
10841	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	± 9.6 %
10843	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	± 9.6 %
10844	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10846	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10854	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10855	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10856	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10857	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10858	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10859	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10860	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %

10861	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10863	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10864	AAD	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10865	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10866	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10868	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	± 9.6 %
10869	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10870	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.86	± 9.6 %
10871	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10872	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.52	± 9.6 %
10873	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	± 9.6 %
10874	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10875	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10876	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.39	± 9.6 %
10877	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	± 9.6 %
10878	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 9.6 %
10879	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.12	± 9.6 %
10880	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.38	± 9.6 %
10881	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10882	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.96	± 9.6 %
10883	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.57	± 9.6 %
10884	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	± 9.6 %
10885	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	± 9.6 %
10886	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10887	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10888	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	± 9.6 %
10889	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	± 9.6 %
10890	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.40	± 9.6 %
10891	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	± 9.6 %
10892	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 9.6 %
10897	AAC	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	± 9.6 %
10898	AAB	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10899	AAB	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10900	AAB	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10901	AAB	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10902	AAB	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10903	AAB	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10904	AAB	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10905	AAB	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10906	AAB	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10907	AAC	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	± 9.6 %
10908	AAB	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10909	AAB	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	± 9.6 %
10910	AAB	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10911	AAB	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10912	AAB	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10913	AAB	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10914	AAB	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	± 9.6 %
10915	AAB	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10916	AAB	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10917	AAB	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10918	AAC	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10919	AAB	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10920	AAB	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10921	AAB	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10922	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	± 9.6 %

10923	AAB	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10924	AAB	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10925	AAB	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	± 9.6 %
10926	AAB	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10927	AAB	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10928	AAC	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10929	AAC	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10930	AAC	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10931	AAC	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10932	AAC	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10933	AAC	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10934	AAC	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10935	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10936	AAC	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10937	AAC	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	± 9.6 %
10938	AAC	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10939	AAC	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	± 9.6 %
10940	AAC	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	± 9.6 %
10941	AAC	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10942	AAC	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10943	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	± 9.6 %
10944	AAC	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	± 9.6 %
10945	AAC	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10946	AAC	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10947	AAC	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10948	AAC	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10949	AAC	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10950	AAC	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10951	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	± 9.6 %
10952	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25	± 9.6 %
10953	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.15	± 9.6 %
10954	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	± 9.6 %
10955	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	± 9.6 %
10956	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	± 9.6 %
10957	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	± 9.6 %
10958	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	± 9.6 %
10959	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	± 9.6 %
10960	AAC	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	± 9.6 %
10961	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.36	± 9.6 %
10962	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.40	± 9.6 %
10963	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10964	AAC	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	± 9.6 %
10965	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	± 9.6 %
10966	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10967	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	± 9.6 %
10968	AAB	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.49	± 9.6 %
10972	AAB	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11.59	± 9.6 %
10973	AAB	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	9.06	± 9.6 %
10974	AAB	5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FR1 TDD	10.28	± 9.6 %
10978	AAA	ULLA BDR	ULLA	2.23	± 9.6 %
10979	AAA	ULLA HDR4	ULLA	7.02	± 9.6 %
10980	AAA	ULLA HDR8	ULLA	8.82	± 9.6 %
10981	AAA	ULLA HDRp4	ULLA	1.50	± 9.6 %
10982	AAA	ULLA HDRp8	ULLA	1.44	± 9.6 %

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



Appendix E. Conducted RF Output Power Table

The detailed power tables are shown as follows.



Full&Default Power Mode

Part270 n77 Ant3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)				3750	3840	3930	
100	PI2 BPSK	1	1	22.75	22.80	22.88	
100	PI2 BPSK	1	137	22.64	22.75	22.88	24.0
100	PI2 BPSK	1	271	22.67	22.71	22.59	
100	PI2 BPSK	135	0	22.16	22.30	22.26	23.5
100	PI2 BPSK	135	69	22.61	22.77	22.70	24.0
100	PI2 BPSK	135	138	22.24	22.32	22.29	
100	PI2 BPSK	270	0	22.26	22.37	22.35	23.5
100	QPSK	1	1	22.75	22.81	22.84	
100	QPSK	1	137	22.66	22.79	22.69	24.0
100	QPSK	1	271	22.67	22.74	22.66	
100	QPSK	135	0	21.87	21.82	21.80	23.0
100	QPSK	135	69	22.63	22.78	22.71	24.0
100	QPSK	135	138	21.86	21.75	21.86	23.0
100	QPSK	270	0	21.76	21.82	21.81	
100	16QAM	1	1	21.37	21.48	21.32	23.0
100	64QAM	1	1	20.01	20.16	20.11	21.5
100	256QAM	1	1	18.14	18.18	18.09	19.5
Channel							
Frequency (MHz)				3745.02	3840	3935.01	
90	QPSK	1	1	22.74	22.74	22.47	24.0
Channel							
Frequency (MHz)				649334	656000	662666	
80	QPSK	1	1	3740.01	3840	3940.02	24.0
Channel							
Frequency (MHz)				649000	656000	663000	
70	QPSK	1	1	22.73	22.64	22.61	24.0
Channel							
Frequency (MHz)				648968	656000	663334	
60	QPSK	1	1	22.63	22.65	22.56	24.0
Channel							
Frequency (MHz)				648334	656000	663666	
50	QPSK	1	1	22.82	22.72	22.50	24.0
Channel							
Frequency (MHz)				3720	3840	3960	
40	QPSK	1	1	22.74	22.77	22.57	24.0
Channel							
Frequency (MHz)				647668	656000	664334	
30	QPSK	1	1	22.75	22.70	22.49	24.0
Channel							
Frequency (MHz)				647500	656000	664500	
25	QPSK	1	1	22.86	22.67	22.56	24.0
Channel							
Frequency (MHz)				647334	656000	664666	
20	QPSK	1	1	22.73	22.71	22.47	24.0
Channel							
Frequency (MHz)				647168	656000	664834	
15	QPSK	1	1	3707.52	3840	3972.51	24.0
Channel							
Frequency (MHz)				3705	3840	3975	
10	QPSK	1	1	22.67	22.78	22.52	24.0

Part270 n77 PC2 Ant3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)				3750	3840	3930	
100	PI2 BPSK	1	1	25.68	25.78	25.74	
100	PI2 BPSK	1	137	25.65	25.62	25.79	27.0
100	PI2 BPSK	1	271	25.64	25.77	25.69	
100	PI2 BPSK	135	0	25.22	25.37	25.20	26.5
100	PI2 BPSK	135	69	25.77	25.85	25.82	27.0
100	PI2 BPSK	135	138	25.27	25.33	25.18	26.5
100	PI2 BPSK	270	0	25.29	25.39	25.24	
100	QPSK	1	1	25.78	25.69	25.84	
100	QPSK	1	137	25.67	25.62	25.80	27.0
100	QPSK	1	271	25.69	25.78	25.68	
100	QPSK	135	0	24.69	24.81	24.69	26.0
100	QPSK	135	69	25.66	25.77	25.72	27.0
100	QPSK	135	138	24.64	24.62	24.72	26.0
100	QPSK	270	0	24.71	24.90	24.83	
100	16QAM	1	1	24.77	24.85	24.79	26.0
100	64QAM	1	1	23.35	23.39	23.28	24.5
100	256QAM	1	1	20.99	21.02	20.88	22.5
Channel							
Frequency (MHz)				3745.02	3840	3935.01	
90	QPSK	1	1	25.62	25.82	25.69	27.0
Channel							
Frequency (MHz)				648334	656000	662666	
80	QPSK	1	1	25.76	25.72	25.72	27.0
Channel							
Frequency (MHz)				648000	656000	663000	
70	QPSK	1	1	25.72	25.78	25.70	27.0
Channel							
Frequency (MHz)				648668	656000	663334	
60	QPSK	1	1	25.68	25.77	25.81	27.0
Channel							
Frequency (MHz)				648334	656000	663666	
50	QPSK	1	1	25.60	25.74	25.75	27.0
Channel							
Frequency (MHz)				3720	3840	3960	
40	QPSK	1	1	25.65	25.81	25.70	27.0
Channel							
Frequency (MHz)				647668	656000	664334	
30	QPSK	1	1	25.68	25.71	25.76	27.0
Channel							
Frequency (MHz)				647500	656000	664500	
25	QPSK	1	1	25.73	25.76	25.79	27.0
Channel							
Frequency (MHz)				647334	656000	664666	
20	QPSK	1	1	25.76	25.79	25.81	27.0
Channel							
Frequency (MHz)				647168	656000	664834	
15	QPSK	1	1	25.72	25.83	25.74	27.0
Channel							
Frequency (MHz)				3705	3840	3975	
10	QPSK	1	1	25.66	25.86	25.80	27.0



Part270 n78 Ant3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				650000	650000	650000				
Frequency (MHz)				3750	3750	3750				
100	PI2 BPSK	1	1		22.90					
100	PI2 BPSK	1	137		22.97		24.0	0.0		
100	PI2 BPSK	1	271		22.97					
100	PI2 BPSK	135	0		22.59		23.5	0.5		
100	PI2 BPSK	135	69		22.92		24.0	0.0		
100	PI2 BPSK	135	138		22.64		23.5	0.5		
100	PI2 BPSK	270	0		22.69					
100	QPSK	1	1		23.08					
100	QPSK	1	137		23.04		24.0	0.0		
100	QPSK	1	271		23.00					
100	QPSK	135	0		22.03		23.0	1.0		
100	QPSK	135	69		23.01		24.0	0.0		
100	QPSK	135	138		22.03		23.0	1.0		
100	QPSK	270	0		22.19					
100	16QAM	1	1		21.92		23.0	1.0		
100	64QAM	1	1		20.97		21.5	2.5		
100	256QAM	1	1		18.93		19.5	4.5		
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3745.02	3750	3755.01	24.0	0.0		
90	QPSK	1	1		22.88	22.75	22.84	24.0	0.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3740.01	3750	3760.02	24.0	0.0		
80	QPSK	1	1		22.92	22.84	22.82	24.0	0.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3735	3750	3765	24.0	0.0		
70	QPSK	1	1		22.98	23.01	22.80	24.0	0.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3730.02	3750	3750.01	24.0	0.0		
60	QPSK	1	1		22.85	22.87	22.88	24.0	0.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3725.01	3750	3755.02	24.0	0.0		
50	QPSK	1	1		22.76	22.85	22.80	24.0	0.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3720	3750	3780	24.0	0.0		
40	QPSK	1	1		22.84	22.85	22.86	24.0	0.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3715.02	3750	3765.01	24.0	0.0		
30	QPSK	1	1		22.85	22.85	22.85	24.0	0.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3712.5	3750	3767.5	24.0	0.0		
25	QPSK	1	1		22.91	23.02	22.90	24.0	0.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3710.01	3750	3760.02	24.0	0.0		
20	QPSK	1	1		22.83	22.91	22.83	24.0	0.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3707.52	3750	3762.51	24.0	0.0		
15	QPSK	1	1		22.86	22.87	22.84	24.0	0.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3705	3750	3795	24.0	0.0		
10	QPSK	1	1		22.87	22.91	22.84	24.0	0.0	0.0

Part270 n78 PC2 Ant3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				650000	650000	650000				
Frequency (MHz)				3750	3750	3750				
100	PI2 BPSK	1	1		25.80					
100	PI2 BPSK	1	137		25.79		27.0	0.0		
100	PI2 BPSK	1	271		25.63					
100	PI2 BPSK	135	0		25.42		26.5	0.5		
100	PI2 BPSK	135	69		25.75		27.0	0.0		
100	PI2 BPSK	135	138		25.25		26.5	0.5		
100	PI2 BPSK	270	0		25.28					
100	QPSK	1	1		25.86					
100	QPSK	1	137		25.82		27.0	0.0		
100	QPSK	1	271		25.69					
100	QPSK	135	0		24.91		26.0	1.0		
100	QPSK	135	69		25.84		27.0	0.0		
100	QPSK	135	138		24.71		26.0	1.0		
100	QPSK	270	0		24.78					
100	16QAM	1	1		25.07		26.0	1.0		
100	64QAM	1	1		23.73		24.5	2.5		
100	256QAM	1	1		21.55		22.5	4.5		
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3745.02	3750	3755.01	27.0	0.0		
90	QPSK	1	1		25.80	25.85	25.78	27.0	0.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3740.01	3750	3760.02	27.0	0.0		
80	QPSK	1	1		25.90	25.78	25.85	27.0	0.0	0.0
Channel				649000	#VALUE!	651000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3735	3750	3765	27.0	0.0		
70	QPSK	1	1		25.73	25.75	25.75	27.0	0.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3730.02	3750	3750.01	27.0	0.0		
60	QPSK	1	1		25.80	25.81	25.81	27.0	0.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3725.01	3750	3755.02	27.0	0.0		
50	QPSK	1	1		25.77	25.79	25.85	27.0	0.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3720	3750	3780	27.0	0.0		
40	QPSK	1	1		25.81	25.84	25.79	27.0	0.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3715.02	3750	3765.01	27.0	0.0		
30	QPSK	1	1		25.75	25.74	25.81	27.0	0.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3712.5	3750	3767.5	27.0	0.0		
25	QPSK	1	1		25.80	25.75	25.74	27.0	0.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3710.01	3750	3760.02	27.0	0.0		
20	QPSK	1	1		25.72	25.76	25.80	27.0	0.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3707.52	3750	3762.51	27.0	0.0		
15	QPSK	1	1		25.78	25.82	25.82	27.0	0.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3705	3750	3795	27.0	0.0		
10	QPSK	1	1		25.80	25.66	25.73	27.0	0.0	0.0



Part270 n77 Ant7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 655000	Power High Ch. / Freq. 660000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pl2 BPSK	1	1	23.56	23.61	23.05			
100	Pl2 BPSK	1	137	23.44	23.56	23.03	24.0	0.0	
100	Pl2 BPSK	1	271	23.22	23.41	23.05			
100	Pl2 BPSK	135	0	23.42	23.35	23.11	23.5	0.5	
100	Pl2 BPSK	135	69	23.38	23.55	23.01	24.0	0.0	
100	Pl2 BPSK	135	138	23.28	23.35	22.91	23.5	0.5	
100	Pl2 BPSK	270	0	23.40	23.43	22.98			
100	QPSK	1	1	23.54	23.65	23.08			
100	QPSK	1	137	23.49	23.53	23.10	24.0	0.0	
100	QPSK	1	271	23.35	23.43	23.03			
100	QPSK	135	0	22.66	22.65	22.95	23.0	1.0	
100	QPSK	135	69	23.51	23.58	23.01	24.0	0.0	
100	QPSK	135	138	22.44	22.38	22.29	23.0	1.0	
100	QPSK	270	0	22.43	22.45	22.39			
100	16QAM	1	1	22.54	22.59	22.66	23.0	1.0	
100	16QAM	1	1	21.45	21.34	20.98	21.5	2.5	
100	256QAM	1	1	19.01	19.03	19.05	19.5	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.47	22.59	22.01	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.50	22.60	22.03	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.47	22.51	22.06	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.38	22.54	22.01	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.44	22.57	22.05	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.47	22.63	22.05	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.51	22.53	22.01	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.49	22.60	22.05	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.50	22.55	22.05	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.47	22.58	22.04	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.38	22.64	22.03	24.0	0.0	

Part270 n78 Ant7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 655000	Power High Ch. / Freq. 660000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pl2 BPSK	1	1	23.56	23.61	23.05			
100	Pl2 BPSK	1	137	23.44	23.56	23.03	24.0	0.0	
100	Pl2 BPSK	1	271	23.22	23.41	23.05			
100	Pl2 BPSK	135	0	23.42	23.35	23.11	23.5	0.5	
100	Pl2 BPSK	135	69	23.38	23.55	23.01	24.0	0.0	
100	Pl2 BPSK	135	138	23.28	23.35	22.91	23.5	0.5	
100	Pl2 BPSK	270	0	23.40	23.43	22.98			
100	QPSK	1	1	23.54	23.65	23.08			
100	QPSK	1	137	23.49	23.53	23.10	24.0	0.0	
100	QPSK	1	271	23.35	23.43	23.03			
100	QPSK	135	0	22.66	22.65	22.95	23.0	1.0	
100	QPSK	135	69	23.51	23.58	23.01	24.0	0.0	
100	QPSK	135	138	22.44	22.38	22.29	23.0	1.0	
100	QPSK	270	0	22.43	22.45	22.39			
100	16QAM	1	1	22.54	22.59	22.66	23.0	1.0	
100	16QAM	1	1	21.45	21.34	20.98	21.5	2.5	
100	256QAM	1	1	19.01	19.03	19.05	19.5	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.47	22.59	22.01	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.50	22.60	22.03	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.47	22.51	22.06	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.38	22.54	22.01	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.44	22.57	22.05	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.47	22.63	22.05	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.51	22.53	22.01	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.49	22.60	22.05	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.50	22.55	22.05	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.47	22.58	22.04	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.38	22.64	22.03	24.0	0.0	



Part270 n77 DSI2 Standalone Ant3

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	PI2 BPSK	1	1	18.81	18.86	18.65		
100	PI2 BPSK	1	137	18.58	18.70	18.73	19.7	0.0
100	PI2 BPSK	1	271	18.59	18.73	18.56		
100	PI2 BPSK	135	0	18.22	18.26	18.33	19.7	0.0
100	PI2 BPSK	135	69	18.57	18.85	18.68	19.7	0.0
100	PI2 BPSK	135	138	18.27	18.40	18.28		
100	PI2 BPSK	270	0	18.24	18.39	18.33	19.7	0.0
100	QPSK	1	1	18.93	18.98	18.71		
100	QPSK	1	137	18.58	18.74	18.72	19.7	0.0
100	QPSK	1	271	18.60	18.71	18.63		
100	QPSK	135	0	17.98	18.23	18.39	19.7	0.0
100	QPSK	135	69	18.60	18.82	18.72	19.7	0.0
100	QPSK	135	138	18.56	18.65	18.60		
100	QPSK	270	0	18.66	18.72	18.61	19.7	0.0
100	16QAM	1	1	17.87	17.98	17.82	19.7	0.0
100	64QAM	1	1	18.51	18.66	18.61	19.7	0.0
100	256QAM	1	1	17.84	17.88	17.53	19.5	0.2
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.75	18.82	18.48	19.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.72	18.82	18.65	19.7	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.75	18.70	18.64	19.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.69	18.72	18.61	19.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.65	18.72	18.49	19.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.67	18.74	18.50	19.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.73	18.83	18.47	19.7	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	18.62	18.68	18.50	19.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.68	18.77	18.52	19.7	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.77	18.83	18.60	19.7	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.65	18.75	18.47	19.7	0.0

Reduced Power Mode

Part270 n77 PC2 DSI2 Standalone Ant3

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	PI2 BPSK	1	1	21.99	22.12	22.10		
100	PI2 BPSK	1	137	21.94	22.04	22.06	22.7	0.0
100	PI2 BPSK	1	271	21.90	22.02	21.92		
100	PI2 BPSK	135	0	22.02	22.10	22.09	22.7	0.0
100	PI2 BPSK	135	69	21.90	22.09	22.00	22.7	0.0
100	PI2 BPSK	135	138	21.91	22.00	21.94		
100	PI2 BPSK	270	0	21.86	22.07	22.02	22.7	0.0
100	QPSK	1	1	22.07	22.20	22.15		
100	QPSK	1	137	21.99	22.11	22.09	22.7	0.0
100	QPSK	1	271	21.96	22.08	21.97		
100	QPSK	135	0	22.11	22.17	22.13	22.7	0.0
100	QPSK	135	69	21.97	22.18	22.05	22.7	0.0
100	QPSK	135	138	21.96	22.07	21.98		
100	QPSK	270	0	21.92	22.11	22.08	22.7	0.0
100	16QAM	1	1	22.03	22.08	22.10	22.7	0.0
100	64QAM	1	1	22.05	22.11	22.12	22.7	0.0
100	256QAM	1	1	22.05	22.02	22.08	22.5	0.2
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.07	22.09	22.08	22.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.92	22.15	21.97	22.7	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	21.98	22.15	22.08	22.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.92	22.02	21.94	22.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	21.98	21.99	21.90	22.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.89	22.12	22.00	22.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	21.89	22.05	21.89	22.7	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	21.89	22.05	21.99	22.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.07	22.09	22.08	22.7	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.98	22.12	22.00	22.7	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.90	22.03	21.90	22.7	0.0

Part270 n78 DSI2 Standalone Ant3

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	PI2 BPSK	1	1		18.40			
100	PI2 BPSK	1	137		18.50		19.7	0.0
100	PI2 BPSK	1	271		18.49			
100	PI2 BPSK	135	0		18.11		19.7	0.0
100	PI2 BPSK	135	69		18.43		19.7	0.0
100	PI2 BPSK	135	138		18.12			
100	PI2 BPSK	270	0		18.20		19.7	0.0
100	QPSK	1	1		18.56			
100	QPSK	1	137		18.54		19.7	0.0
100	QPSK	1	271		18.51			
100	QPSK	135	0		17.52		19.7	0.0
100	QPSK	135	69		18.48		19.7	0.0
100	QPSK	135	138		17.52			
100	QPSK	270	0		17.88		19.7	0.0
100	16QAM	1	1		18.25		19.7	0.0
100	64QAM	1	1		18.16		19.7	0.0
100	256QAM	1	1		18.15		19.5	0.2
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.39	18.26	18.36	19.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.39	18.36	18.32	19.7	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.44	18.41	18.29	19.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.37	18.37	18.35	19.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.27	18.42	18.38	19.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.37	18.38	18.35	19.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.37	18.34	18.34	19.7	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	18.43	18.42	18.38	19.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.30	18.43	18.30	19.7	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.38	18.37	18.44	19.7	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.38	18.38	18.36	19.7	0.0



Part270 n78 PC2 DS12 Standalone Ant3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000				
Frequency (MHz)				3750				
100	PI/2 BPSK	1	1	22.06			22.7	0.0
100	PI/2 BPSK	1	137	21.96				
100	PI/2 BPSK	1	271	21.95				
100	PI/2 BPSK	135	0	22.03			22.7	0.0
100	PI/2 BPSK	135	69	22.01			22.7	0.0
100	PI/2 BPSK	135	138	21.95			22.7	0.0
100	PI/2 BPSK	270	0	21.97				
100	QPSK	1	1	22.15				
100	QPSK	1	137	22.07			22.7	0.0
100	QPSK	1	271	22.02				
100	QPSK	135	0	22.08			22.7	0.0
100	QPSK	135	69	22.14			22.7	0.0
100	QPSK	135	138	22.01			22.7	0.0
100	QPSK	270	0	22.07				
100	16QAM	1	1	22.00			22.7	0.0
100	64QAM	1	1	21.13			22.7	0.0
100	256QAM	1	1	22.10			22.5	0.2
Channel				649688	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	22.01	21.99	22.01	22.7	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	21.85	22.09	21.92	22.7	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	21.91	22.06	22.04	22.7	0.0
Channel				648688	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.03		
60	QPSK	1	1	21.84	21.93	21.89	22.7	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	21.82	21.93	21.84	22.7	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3760		
40	QPSK	1	1	21.81	22.06	21.94	22.7	0.0
Channel				647688	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3765.01		
30	QPSK	1	1	21.79	21.99	21.91	22.7	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3767.5		
25	QPSK	1	1	21.80	22.00	21.94	22.7	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3760.02		
20	QPSK	1	1	22.00	22.04	21.98	22.7	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3762.51		
15	QPSK	1	1	21.82	22.07	22.03	22.7	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3765		
10	QPSK	1	1	21.83	21.99	21.84	22.7	0.0



Part270 n77 DSI2 Standalone Ant7

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			3750	3840	3930		
	Frequency (MHz)			20.06	20.07	19.95		
100	Pi/2 BPSK	1	1	19.95	19.98	19.86	21.0	0.0
100	Pi/2 BPSK	1	137	19.96	19.97	19.92		
100	Pi/2 BPSK	1	271	19.93	20.04	19.92	21.0	0.0
100	Pi/2 BPSK	135	0	19.94	19.89	19.76	21.0	0.0
100	Pi/2 BPSK	135	69	19.89	19.89	19.94	21.0	0.0
100	Pi/2 BPSK	135	138	19.92	19.98	19.95		
100	Pi/2 BPSK	270	0	20.04	20.14	19.99		
100	QPSK	1	1	20.00	20.11	19.79	21.0	0.0
100	QPSK	1	137	19.82	19.94	20.05		
100	QPSK	1	271	19.90	19.82	19.99	21.0	0.0
100	QPSK	135	0	19.88	20.10	19.90	21.0	0.0
100	QPSK	135	69	19.75	19.80	19.82	21.0	0.0
100	QPSK	135	138	19.87	19.98	19.83		
100	QPSK	270	0	19.81	19.79	19.72	21.0	0.0
100	16QAM	1	1	19.88	19.93	19.42	21.0	0.0
100	256QAM	1	1	19.31	19.35	19.36	19.5	1.5
	Channel			648968	650000	650334	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			3745.02	3840	3765.01		
90	QPSK	1	1	20.00	20.05	19.94	21.0	0.0
	Channel			649334	650000	652968	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			3740.01	3740	3760.02		
80	QPSK	1	1	19.90	19.89	19.95	21.0	0.0
	Channel			649000	650000	663000	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			3735	3840	3945		
70	QPSK	1	1	19.99	19.95	19.91	21.0	0.0
	Channel			648668	650000	663334	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			3730.02	3840	3950.03		
60	QPSK	1	1	19.88	19.95	19.93	21.0	0.0
	Channel			648334	650000	663668	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			3725.01	3840	3955.02		
50	QPSK	1	1	20.02	20.00	19.83	21.0	0.0
	Channel			648000	650000	663000	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			3720	3840	3960		
40	QPSK	1	1	19.85	19.89	19.98	21.0	0.0
	Channel			647668	650000	664334	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			3715.02	3840	3952.01		
30	QPSK	1	1	19.20	20.02	19.77	21.0	0.0
	Channel			647500	650000	664500	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			3712.5	3840	3967.5		
25	QPSK	1	1	20.03	20.06	20.03	21.0	0.0
	Channel			647334	650000	664668	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			3710.01	3840	3970.02		
20	QPSK	1	1	19.88	19.89	19.89	21.0	0.0
	Channel			647168	650000	664834	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			3707.52	3840	3972.51		
15	QPSK	1	1	19.80	19.88	20.04	21.0	0.0
	Channel			647000	650000	665000	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			3705	3840	3975		
10	QPSK	1	1	20.00	19.95	19.90	21.0	0.0

Part270 n78 DSI2 Standalone Ant7

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			3750				
	Frequency (MHz)			20.00				
100	Pi/2 BPSK	1	1	19.95			21.0	0.0
100	Pi/2 BPSK	1	137	19.96				
100	Pi/2 BPSK	1	271	19.93			21.0	0.0
100	Pi/2 BPSK	135	0	19.94			21.0	0.0
100	Pi/2 BPSK	135	69	19.89			21.0	0.0
100	Pi/2 BPSK	135	138	19.92			21.0	0.0
100	Pi/2 BPSK	270	0	20.04			21.0	0.0
100	QPSK	1	1	20.00			21.0	0.0
100	QPSK	1	137	19.82				
100	QPSK	1	271	19.90			21.0	0.0
100	QPSK	135	0	19.88			21.0	0.0
100	QPSK	135	69	19.75			21.0	0.0
100	QPSK	135	138	19.87			21.0	0.0
100	QPSK	270	0	19.81			21.0	0.0
100	16QAM	1	1	19.88			21.0	0.0
100	256QAM	1	1	19.31			19.5	1.5
	Channel			648968	650000	650334	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			3745.02	3760	3765.01		
90	QPSK	1	1	19.89	19.91	19.87	21.0	0.0
	Channel			648334	650000	650668	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			3740.01	3760	3760.02		
80	QPSK	1	1	19.91	19.82	19.12	21.0	0.0
	Channel			649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			3735	3760	3765		
70	QPSK	1	1	19.86	19.97	19.81	21.0	0.0
	Channel			648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			3730.02	3760	3770.01		
60	QPSK	1	1	19.84	19.88	19.86	21.0	0.0
	Channel			648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			3725.01	3760	3775.02		
50	QPSK	1	1	20.00	19.82	19.81	21.0	0.0
	Channel			648000	650000	651000	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			3720	3760	3780		
40	QPSK	1	1	19.77	19.86	19.93	21.0	0.0
	Channel			647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			3715.02	3760	3785.01		
30	QPSK	1	1	19.75	20.02	19.90	21.0	0.0
	Channel			647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			3712.5	3760	3787.5		
25	QPSK	1	1	20.00	20.00	19.93	21.0	0.0
	Channel			647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			3710.01	3760	3790.02		
20	QPSK	1	1	19.79	19.77	19.80	21.0	0.0
	Channel			647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			3707.52	3760	3792.51		
15	QPSK	1	1	19.78	19.73	19.98	21.0	0.0
	Channel			647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			3705	3760	3795		
10	QPSK	1	1	19.94	19.87	19.82	21.0	0.0



Part270 n77 DSI2 Simultaneous Ant3									
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)				3750	3840	3930			
100	PI2 BPSK	1	1	17.31	17.27	17.23			
100	PI2 BPSK	1	137	17.20	17.19	17.16			0.0
100	PI2 BPSK	1	271	17.21	17.19	17.34			0.0
100	PI2 BPSK	135	0	17.10	17.22	17.19			18.2
100	PI2 BPSK	135	69	17.20	17.21	17.11			18.2
100	PI2 BPSK	135	138	17.25	17.27	17.27			18.2
100	PI2 BPSK	270	0	17.08	17.24	17.24			18.2
100	QPSK	1	1	17.20	17.55	17.84			0.0
100	QPSK	1	137	17.15	17.20	17.08			18.2
100	QPSK	1	271	17.18	17.30	17.30			18.2
100	QPSK	135	0	17.27	17.31	17.30			18.2
100	QPSK	135	69	17.29	17.35	17.22			18.2
100	QPSK	135	138	17.17	17.23	17.14			18.2
100	QPSK	270	0	17.18	17.33	17.28			18.2
100	16QAM	1	1	16.89	16.94	16.74			18.2
100	16QAM	1	1	17.27	17.22	17.23			18.2
100	256QAM	1	1	17.21	17.24	17.11			18.2
Channel									
Frequency (MHz)				3745.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	17.16	17.24	16.88			18.2
Channel									
Frequency (MHz)				649334	650000	649668	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	17.18	17.23	16.89			18.2
Channel									
Frequency (MHz)				645000	650000	649500	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	17.14	17.26	16.92			18.2
Channel									
Frequency (MHz)				646868	650000	646334	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	17.24	17.24	17.02			18.2
Channel									
Frequency (MHz)				648334	650000	648688	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	17.16	17.25	16.90			18.2
Channel									
Frequency (MHz)				3720	3840	3960	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	17.22	17.39	17.05			18.2
Channel									
Frequency (MHz)				647668	650000	644334	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	17.21	17.33	16.83			18.2
Channel									
Frequency (MHz)				647500	650000	644500	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	17.09	17.17	16.88			18.2
Channel									
Frequency (MHz)				647334	650000	644668	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	17.15	17.19	17.17			18.2
Channel									
Frequency (MHz)				647168	650000	644834	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	17.01	17.31	17.03			18.2
Channel									
Frequency (MHz)				3705	3840	3975	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	17.22	17.39	17.05			18.2

Part270 n77 PC2 DSI2 Simultaneous Ant3									
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)				3750	3840	3930			
100	PI2 BPSK	1	1	20.33	20.30	20.22			0.0
100	PI2 BPSK	1	137	20.26	20.14	20.17			21.2
100	PI2 BPSK	1	271	20.26	20.11	20.32			21.2
100	PI2 BPSK	135	0	20.14	20.28	20.19			21.2
100	PI2 BPSK	135	69	20.24	20.16	20.05			21.2
100	PI2 BPSK	135	138	20.19	20.21	20.22			21.2
100	PI2 BPSK	270	0	20.06	20.27	20.21			21.2
100	QPSK	1	1	20.15	20.54	20.02			0.0
100	QPSK	1	137	20.17	20.19	20.04			21.2
100	QPSK	1	271	20.17	20.33	20.33			21.2
100	QPSK	135	0	20.22	20.32	20.20			21.2
100	QPSK	135	69	20.25	20.35	20.18			21.2
100	QPSK	135	138	20.17	20.02	20.13			21.2
100	QPSK	270	0	20.22	20.31	20.28			21.2
100	16QAM	1	1	19.92	19.91	19.70			21.2
100	16QAM	1	1	20.23	20.24	20.21			21.2
100	256QAM	1	1	20.28	20.22	20.17			21.2
Channel									
Frequency (MHz)				3745.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	19.86	19.92	19.74			21.2
Channel									
Frequency (MHz)				649334	650000	649668	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	19.85	19.99	19.70			21.2
Channel									
Frequency (MHz)				645000	650000	649500	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	19.94	19.93	19.75			21.2
Channel									
Frequency (MHz)				648688	650000	646334	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	19.92	19.98	19.73			21.2
Channel									
Frequency (MHz)				648334	650000	646688	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	19.84	19.91	19.70			21.2
Channel									
Frequency (MHz)				3720	3840	3960	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	19.84	19.94	19.79			21.2
Channel									
Frequency (MHz)				647668	650000	644334	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	19.90	19.89	19.70			21.2
Channel									
Frequency (MHz)				647500	650000	644500	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	19.87	19.92	19.71			21.2
Channel									
Frequency (MHz)				647334	650000	644668	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	19.92	19.91	19.78			21.2
Channel									
Frequency (MHz)				647168	650000	644834	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	19.85	19.96	19.77			21.2
Channel									
Frequency (MHz)				3705	3840	3975	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	19.92	20.00	19.70			21.2

Part270 n78 DSI2 Simultaneous Ant3									
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)				3750	3750	3750			
100	PI2 BPSK	1	1			17.23			18.2
100	PI2 BPSK	1	137			17.11			0.0
100	PI2 BPSK	1	271			17.16			18.2
100	PI2 BPSK	135	0			17.02			18.2
100	PI2 BPSK	135	69			17.12			18.2
100	PI2 BPSK	135	138			17.21			18.2
100	PI2 BPSK	270	0			17.00			18.2
100	QPSK	1	1			17.35			18.2
100	QPSK	1	137			17.09			0.0
100	QPSK	1	271			17.10			18.2
100	QPSK	135	0			17.18			18.2
100	QPSK	135	69			17.23			18.2
100	QPSK	135	138			17.00			18.2
100	QPSK	270	0			17.10			18.2
100	16QAM	1	1			16.81			18.2
100	16QAM	1	1			17.20			18.2
100	256QAM	1	1			17.16			18.2
Channel									
Frequency (MHz)				646868	650000	646334	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	17.12	17.19	16.82			18.2
Channel									
Frequency (MHz)				649334	650000	649668	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	17.14	17.21	16.81			18.2
Channel									
Frequency (MHz)				645000	650000	649500	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	17.11	17.18	16.81			18.2
Channel									
Frequency (MHz)				648688	650000	646334	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	17.10	17.18	16.85			18.2
Channel									
Frequency (MHz)				648334	650000	646688	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	17.09	17.22	16.84			18.2
Channel									
Frequency (MHz)				3720	3750	3780	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	17.11	17.18	16.83			18.2
Channel									
Frequency (MHz)				647668	650000	646334	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	17.13	17.21	16.84			18.2
Channel									
Frequency (MHz)				647500	650000	646500	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	17.11	17.19	16.85			18.2
Channel									
Frequency (MHz)				647334	650000	646268	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	17.13	17.20	16.82			18.2
Channel									
Frequency (MHz)				647168	650000	646834	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	17.09	17.21	16.85			18.2
Channel									
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	17.12	17.22	16.85			18.2



Part270 n78 PC2 DSI2 Simultaneous Ant3									
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				3750	3750	3750			
Frequency (MHz)									
100	PI2 BPSK	1	1		20.29				
100	PI2 BPSK	1	137		20.17		21.2	0.0	
100	PI2 BPSK	1	271		20.19		21.2	0.0	
100	PI2 BPSK	135	0		20.05		21.2	0.0	
100	PI2 BPSK	135	69		20.14		21.2	0.0	
100	PI2 BPSK	135	138		20.14		21.2	0.0	
100	PI2 BPSK	270	0		19.98		21.2	0.0	
100	QPSK	1	1		20.31				
100	QPSK	1	137		20.13		21.2	0.0	
100	QPSK	1	271		20.12		21.2	0.0	
100	QPSK	135	0		20.16		21.2	0.0	
100	QPSK	135	69		20.18		21.2	0.0	
100	QPSK	135	138		20.15		21.2	0.0	
100	QPSK	270	0		20.15		21.2	0.0	
100	16QAM	1	1		19.86		21.2	0.0	
100	16QAM	1	1		20.18		21.2	0.0	
100	256QAM	1	1		20.17		21.2	0.0	
Channel				649688	650000	650334		MPR	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		19.87	20.16	19.87	21.2	0.0
Channel				649334	650000	650668		MPR	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		19.89	20.18	19.83	21.2	0.0
Channel				649000	650000	651000		MPR	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		19.88	20.17	19.85	21.2	0.0
Channel				648668	650000	651334		MPR	
Frequency (MHz)				3730.02	3750	3730.01			
60	QPSK	1	1		19.85	20.17	19.85	21.2	0.0
Channel				648334	650000	651668		MPR	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		19.86	20.18	19.83	21.2	0.0
Channel				648000	650000	652000		MPR	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		19.82	20.17	19.84	21.2	0.0
Channel				647668	650000	652334		MPR	
Frequency (MHz)				3715.02	3750	3765.01			
30	QPSK	1	1		19.87	20.19	19.82	21.2	0.0
Channel				647300	650000	652500		MPR	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1		19.85	20.18	19.83	21.2	0.0
Channel				647334	650000	652668		MPR	
Frequency (MHz)				3710.01	3750	3780.02			
20	QPSK	1	1		19.87	20.15	19.84	21.2	0.0
Channel				647188	650000	652834		MPR	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		19.86	20.15	19.83	21.2	0.0
Channel				647000	650000	653000		MPR	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		19.88	20.14	19.85	21.2	0.0



Part270 n77 DSI2 Simultaneous Ant7

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)				3750	3840	3930		
100	PI2 BPSK	1	1	18.80	18.72	18.67		
100	PI2 BPSK	1	137	18.65	18.74	18.61	19.9	0.0
100	PI2 BPSK	1	271	18.72	18.68	18.57		
100	PI2 BPSK	135	0	18.78	18.78	18.71	19.9	0.0
100	PI2 BPSK	135	69	18.77	18.83	18.64	19.9	0.0
100	PI2 BPSK	135	138	18.71	18.79	18.70	19.9	0.0
100	PI2 BPSK	270	0	18.81	18.73	18.76		
100	QPSK	1	1	18.86	18.80	18.63		
100	QPSK	1	137	18.71	18.78	18.58	19.9	0.0
100	QPSK	1	271	18.73	18.73	18.67		
100	QPSK	135	0	18.68	18.70	18.63	19.9	0.0
100	QPSK	135	69	18.69	18.68	18.75	19.9	0.0
100	QPSK	135	138	18.73	18.67	18.66	19.9	0.0
100	QPSK	270	0	18.71	18.77	18.68		
100	16QAM	1	1	18.70	18.68	18.73	19.9	0.0
100	64QAM	1	1	18.72	18.81	18.19	19.9	0.0
100	256QAM	1	1	18.72	18.70	18.68	19.5	0.4
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	18.58	18.77	18.84	19.9	0.0
Channel								
Frequency (MHz)				649334	656000	652668		
80	QPSK	1	1	3740.01	3840	3940.02		
Channel								
Frequency (MHz)				649000	656000	663000		
70	QPSK	1	1	18.80	18.69	18.70	19.9	0.0
Channel								
Frequency (MHz)				648668	656000	663334		
60	QPSK	1	1	18.74	18.70	18.75	19.9	0.0
Channel								
Frequency (MHz)				648334	656000	663668		
50	QPSK	1	1	3745.01	3840	3955.02		
Channel								
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	18.74	18.74	18.64	19.9	0.0
Channel								
Frequency (MHz)				647668	656000	664334		
30	QPSK	1	1	3713.02	3840	3955.01		
Channel								
Frequency (MHz)				647500	656000	664500		
25	QPSK	1	1	18.68	18.75	18.71	19.9	0.0
Channel								
Frequency (MHz)				647334	656000	664668		
20	QPSK	1	1	18.69	18.84	18.76	19.9	0.0
Channel								
Frequency (MHz)				647168	656000	664834		
15	QPSK	1	1	3707.52	3840	3972.51		
Channel								
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	18.71	18.77	18.85	19.9	0.0

Part270 n78 DSI2 Simultaneous Ant7

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)				3750	3760	3760		
100	PI2 BPSK	1	1	18.74				
100	PI2 BPSK	1	137	18.58			19.9	0.0
100	PI2 BPSK	1	271	18.63				
100	PI2 BPSK	135	0	18.71			19.9	0.0
100	PI2 BPSK	135	69	18.71			19.9	0.0
100	PI2 BPSK	135	138	18.62			19.9	0.0
100	PI2 BPSK	270	0	18.70				
100	QPSK	1	1	18.78				
100	QPSK	1	137	18.68			19.9	0.0
100	QPSK	1	271	18.64				
100	QPSK	135	0	18.61			19.9	0.0
100	QPSK	135	69	18.63			19.9	0.0
100	QPSK	135	138	18.60			19.9	0.0
100	QPSK	270	0	18.62				
100	16QAM	1	1	18.66			19.9	0.0
100	64QAM	1	1	18.64			19.9	0.0
100	256QAM	1	1	18.67			19.5	0.4
Channel								
Frequency (MHz)				649668	650000	650334		
90	QPSK	1	1	18.63	18.64	18.66	19.9	0.0
Channel								
Frequency (MHz)				649334	650000	650668		
80	QPSK	1	1	3740.01	3760	3760.02		
Channel								
Frequency (MHz)				649000	650000	651000		
70	QPSK	1	1	18.62	18.68	18.65	19.9	0.0
Channel								
Frequency (MHz)				648668	650000	651334		
60	QPSK	1	1	18.60	18.68	18.61	19.9	0.0
Channel								
Frequency (MHz)				648334	650000	651668		
50	QPSK	1	1	3745.01	3760	3775.02		
Channel								
Frequency (MHz)				3720	3760	3780		
40	QPSK	1	1	18.59	18.64	18.61	19.9	0.0
Channel								
Frequency (MHz)				647668	650000	652334		
30	QPSK	1	1	3713.02	3760	3765.01		
Channel								
Frequency (MHz)				647500	650000	652500		
25	QPSK	1	1	18.62	18.67	18.64	19.9	0.0
Channel								
Frequency (MHz)				647334	650000	652668		
20	QPSK	1	1	18.62	18.68	18.64	19.9	0.0
Channel								
Frequency (MHz)				647168	650000	652834		
15	QPSK	1	1	3707.52	3760	3792.51		
Channel								
Frequency (MHz)				3705	3760	3795		
10	QPSK	1	1	18.63	18.65	18.63	19.9	0.0



Part270 n77 DSI3 Standalone Ant3										
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)				3750	3840	3930				
100	PI2 BPSK	1	1	19.54	19.59	19.59				
100	PI2 BPSK	1	137	19.53	19.58	19.44		0.0		
100	PI2 BPSK	1	271	19.49	19.57	19.44				
100	PI2 BPSK	135	0	19.49	19.59	19.42	20.3	0.0		
100	PI2 BPSK	135	69	19.49	19.57	19.45	20.3	0.0		
100	PI2 BPSK	135	138	19.54	19.61	19.42	20.3	0.0		
100	PI2 BPSK	270	0	19.50	19.57	19.48				
100	QPSK	1	1	19.56	19.66	19.52				
100	QPSK	1	137	19.52	19.60	19.42	20.3	0.0		
100	QPSK	1	271	19.50	19.57	19.43				
100	QPSK	135	0	19.49	19.58	19.42	20.3	0.0		
100	QPSK	135	69	19.51	19.59	19.46	20.3	0.0		
100	QPSK	135	138	19.49	19.51	19.46	20.3	0.0		
100	QPSK	270	0	19.50	19.55	19.44				
100	16QAM	1	1	19.52	19.61	19.46	20.3	0.0		
100	16QAM	1	1	19.35	19.39	19.34	20.3	0.0		
100	256QAM	1	1	19.14	19.18	19.09	19.5	0.8		
Channel										
Frequency (MHz)				3745.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)		
90	QPSK	1	1	19.51	19.57	19.45	20.3	0.0		
Channel										
Frequency (MHz)				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)		
80	QPSK	1	1	19.50	19.50	19.48	20.3	0.0		
Channel										
Frequency (MHz)				649000	650000	653000	Tune-up limit (dBm)	MPR (dB)		
70	QPSK	1	1	19.50	19.58	19.43	20.3	0.0		
Channel										
Frequency (MHz)				648668	650000	653334	Tune-up limit (dBm)	MPR (dB)		
60	QPSK	1	1	19.53	19.58	19.44	20.3	0.0		
Channel										
Frequency (MHz)				648334	650000	653668	Tune-up limit (dBm)	MPR (dB)		
50	QPSK	1	1	19.49	19.58	19.46	20.3	0.0		
Channel										
Frequency (MHz)				3720	3840	3960	Tune-up limit (dBm)	MPR (dB)		
40	QPSK	1	1	19.53	19.62	19.45	20.3	0.0		
Channel										
Frequency (MHz)				647668	650000	654334	Tune-up limit (dBm)	MPR (dB)		
30	QPSK	1	1	19.50	19.62	19.42	20.3	0.0		
Channel										
Frequency (MHz)				647500	650000	654500	Tune-up limit (dBm)	MPR (dB)		
25	QPSK	1	1	19.49	19.61	19.46	20.3	0.0		
Channel										
Frequency (MHz)				647334	650000	654668	Tune-up limit (dBm)	MPR (dB)		
20	QPSK	1	1	19.51	19.56	19.43	20.3	0.0		
Channel										
Frequency (MHz)				647168	650000	654834	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	1	19.52	19.60	19.47	20.3	0.0		
Channel										
Frequency (MHz)				3705	3840	3975	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	1	19.52	19.61	19.44	20.3	0.0		

Part270 n77 PC2 DSI3 Standalone Ant3										
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)				3750	3840	3930				
100	PI2 BPSK	1	1	22.54	22.57	22.45				
100	PI2 BPSK	1	137	22.55	22.58	22.43	23.3	0.0		
100	PI2 BPSK	1	271	22.48	22.59	22.48				
100	PI2 BPSK	135	0	22.51	22.59	22.42	23.3	0.0		
100	PI2 BPSK	135	69	22.49	22.57	22.46	23.3	0.0		
100	PI2 BPSK	135	138	22.56	22.61	22.42	23.3	0.0		
100	PI2 BPSK	270	0	22.51	22.55	22.47				
100	QPSK	1	1	22.57	22.63	22.51				
100	QPSK	1	137	22.50	22.58	22.42	23.3	0.0		
100	QPSK	1	271	22.51	22.60	22.45				
100	QPSK	135	0	22.47	22.56	22.42	23.3	0.0		
100	QPSK	135	69	22.51	22.59	22.48	23.3	0.0		
100	QPSK	135	138	22.47	22.50	22.47	23.3	0.0		
100	QPSK	270	0	22.48	22.54	22.41				
100	16QAM	1	1	22.52	22.58	22.43	23.3	0.0		
100	16QAM	1	1	22.35	22.41	22.37	23.3	0.0		
100	256QAM	1	1	20.99	21.02	20.88	22.5	0.8		
Channel										
Frequency (MHz)				3745.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)		
90	QPSK	1	1	22.36	22.37	22.36	23.3	0.0		
Channel										
Frequency (MHz)				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)		
80	QPSK	1	1	22.34	22.40	22.30	23.3	0.0		
Channel										
Frequency (MHz)				649000	650000	653000	Tune-up limit (dBm)	MPR (dB)		
70	QPSK	1	1	22.38	22.36	22.32	23.3	0.0		
Channel										
Frequency (MHz)				648668	650000	653334	Tune-up limit (dBm)	MPR (dB)		
60	QPSK	1	1	22.38	22.37	22.37	23.3	0.0		
Channel										
Frequency (MHz)				648334	650000	653668	Tune-up limit (dBm)	MPR (dB)		
50	QPSK	1	1	22.36	22.40	22.32	23.3	0.0		
Channel										
Frequency (MHz)				3720	3840	3960	Tune-up limit (dBm)	MPR (dB)		
40	QPSK	1	1	22.34	22.37	22.35	23.3	0.0		
Channel										
Frequency (MHz)				647668	650000	654334	Tune-up limit (dBm)	MPR (dB)		
30	QPSK	1	1	22.34	22.41	22.37	23.3	0.0		
Channel										
Frequency (MHz)				647500	650000	654500	Tune-up limit (dBm)	MPR (dB)		
25	QPSK	1	1	22.34	22.41	22.37	23.3	0.0		
Channel										
Frequency (MHz)				647334	650000	654668	Tune-up limit (dBm)	MPR (dB)		
20	QPSK	1	1	22.34	22.37	22.33	23.3	0.0		
Channel										
Frequency (MHz)				647168	650000	654834	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	1	22.38	22.37	22.36	23.3	0.0		
Channel										
Frequency (MHz)				3705	3840	3975	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	1	22.34	22.37	22.36	23.3	0.0		

Part270 n78 DSI3 Standalone Ant3										
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)				3750	3750	3750				
100	PI2 BPSK	1	1			19.37			20.3	0.0
100	PI2 BPSK	1	137			19.38				0.0
100	PI2 BPSK	1	271			19.35				
100	PI2 BPSK	135	0			19.37			20.3	0.0
100	PI2 BPSK	135	69			19.36			20.3	0.0
100	PI2 BPSK	135	138			19.32			20.3	0.0
100	PI2 BPSK	270	0			19.42				
100	QPSK	1	1			19.46				
100	QPSK	1	137			19.33			20.3	0.0
100	QPSK	1	271			19.36				
100	QPSK	135	0			19.37			20.3	0.0
100	QPSK	135	69			19.39			20.3	0.0
100	QPSK	135	138			19.31			20.3	0.0
100	QPSK	270	0			19.37				
100	16QAM	1	1			19.36			20.3	0.0
100	16QAM	1	1			19.24			20.3	0.0
100	256QAM	1	1			18.52			19.5	0.8
Channel										
Frequency (MHz)				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)		
90	QPSK	1	1	19.40	19.36	19.41	20.3	0.0		
Channel										
Frequency (MHz)				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)		
80	QPSK	1	1	19.42	19.39	19.40	20.3	0.0		
Channel										
Frequency (MHz)				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)		
70	QPSK	1	1	19.39	19.38	19.42	20.3	0.0		
Channel										
Frequency (MHz)				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)		
60	QPSK	1	1	19.40	19.37	19.39	20.3	0.0		
Channel										
Frequency (MHz)				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)		
50	QPSK	1	1	19.42	19.38	19.38	20.3	0.0		
Channel										
Frequency (MHz)				3720	3750	3780	Tune-up limit (dBm)	MPR (dB)		
40	QPSK	1	1	19.41	19.35	19.37	20.3	0.0		
Channel										
Frequency (MHz)				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)		
30	QPSK	1	1	19.40	19.36	19.35	20.3	0.0		
Channel										
Frequency (MHz)				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)		
25	QPSK	1	1	19.38	19.35	19.41	20.3	0.0		
Channel										
Frequency (MHz)				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)		
20	QPSK	1	1	19.42	19.36	19.41	20.3	0.0		
Channel										
Frequency (MHz)				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	1	19.40	19.34	19.41	20.3	0.0		
Channel										
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	1	19.42	19.34	19.41	20.3	0.0		



Part270 n78 PC2 DSI3 Standalone Ant3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)	
Channel				3760	3760	3760			
Frequency (MHz)									
100	PI2 BPSK	1	1		22.39				
100	PI2 BPSK	1	137		22.34		23.3	0.0	
100	PI2 BPSK	1	271		22.40		23.3	0.0	
100	PI2 BPSK	135	0		22.30		23.3	0.0	
100	PI2 BPSK	135	69		22.37		23.3	0.0	
100	PI2 BPSK	135	138		22.33		23.3	0.0	
100	PI2 BPSK	270	0		22.38				
100	QPSK	1	1		22.41				
100	QPSK	1	137		22.36		23.3	0.0	
100	QPSK	1	271		22.37				
100	QPSK	135	0		22.35		23.3	0.0	
100	QPSK	135	69		22.39		23.3	0.0	
100	QPSK	135	138		22.30		23.3	0.0	
100	QPSK	270	0		22.33				
100	16QAM	1	1		22.32		23.3	0.0	
100	16QAM	1	1		22.28		23.3	0.0	
100	256QAM	1	1		21.55		22.5	0.8	
Channel				649688	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		22.24	22.36	22.17	23.3	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		22.30	22.37	22.17	23.3	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		22.27	22.34	22.16	23.3	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3750.01			
60	QPSK	1	1		22.26	22.33	22.17	23.3	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		22.26	22.32	22.17	23.3	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		22.27	22.37	22.21	23.3	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3765.01			
30	QPSK	1	1		22.29	22.34	22.20	23.3	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1		22.24	22.32	22.17	23.3	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		22.29	22.32	22.20	23.3	0.0
Channel				647188	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		22.25	22.36	22.17	23.3	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		22.26	22.36	22.18	23.3	0.0



Part270 n77 DSI3 Standalone Ant7

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 65000	Power Middle Ch. / Freq. 65000	Power High Ch. / Freq. 65000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	Pl2 BPSK	1	1	20.40	20.50	20.43		
100	Pl2 BPSK	1	137	20.39	20.47	20.45	21.5	0.0
100	Pl2 BPSK	1	271	20.40	20.50	20.46		
100	Pl2 BPSK	135	0	20.40	20.47	20.46	21.5	0.0
100	Pl2 BPSK	135	69	20.39	20.48	20.43	21.5	0.0
100	Pl2 BPSK	135	138	20.41	20.48	20.42	21.5	0.0
100	Pl2 BPSK	270	0	20.37	20.49	20.43		
100	QPSK	1	1	20.48	20.55	20.51		
100	QPSK	1	137	20.38	20.48	20.44	21.5	0.0
100	QPSK	1	271	20.40	20.50	20.45		
100	QPSK	135	0	20.40	20.47	20.45	21.5	0.0
100	QPSK	135	69	20.39	20.49	20.41	24.0	0.0
100	QPSK	135	138	20.40	20.46	20.47	21.5	0.0
100	QPSK	270	0	20.42	20.48	20.42		
100	16QAM	1	1	20.37	20.47	20.45	21.5	0.0
100	64QAM	1	1	20.42	20.48	20.43	21.5	0.0
100	256QAM	1	1	19.01	19.03	19.05	19.5	2.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	20.41	20.45	20.46	21.5	0.0
Channel								
Frequency (MHz)				649334	656000	652668		
80	QPSK	1	1	3740.01	3840	3940.02		
Channel								
Frequency (MHz)				649000	655000	653000		
70	QPSK	1	1	20.39	20.48	20.42	21.5	0.0
Channel								
Frequency (MHz)				648668	655000	653334		
60	QPSK	1	1	20.38	20.49	20.41	21.5	0.0
Channel								
Frequency (MHz)				648334	655000	653668		
50	QPSK	1	1	3745.01	3840	3955.02		
Channel								
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	20.39	20.51	20.43	21.5	0.0
Channel								
Frequency (MHz)				647668	655000	654334		
30	QPSK	1	1	3713.02	3840	3955.01		
Channel								
Frequency (MHz)				647500	655000	654500		
25	QPSK	1	1	20.40	20.47	20.47	21.5	0.0
Channel								
Frequency (MHz)				647334	655000	654668		
20	QPSK	1	1	20.38	20.51	20.42	21.5	0.0
Channel								
Frequency (MHz)				647168	655000	654834		
15	QPSK	1	1	3707.52	3840	3972.51		
Channel								
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	20.39	20.46	20.42	21.5	0.0

Part270 n78 DSI3 Standalone Ant7

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 65000	Power Middle Ch. / Freq. 65000	Power High Ch. / Freq. 65000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3760	3760		
100	Pl2 BPSK	1	1		20.35			
100	Pl2 BPSK	1	137		20.36		21.5	0.0
100	Pl2 BPSK	1	271		20.39			
100	Pl2 BPSK	135	0		20.40		21.5	0.0
100	Pl2 BPSK	135	69		20.33		21.5	0.0
100	Pl2 BPSK	135	138		20.35		21.5	0.0
100	Pl2 BPSK	270	0		20.37			
100	QPSK	1	1		20.46			
100	QPSK	1	137		20.37		21.5	0.0
100	QPSK	1	271		20.41			
100	QPSK	135	0		20.31		21.5	0.0
100	QPSK	135	69		20.35		23.4	0.0
100	QPSK	135	138		20.30		21.5	0.0
100	QPSK	270	0		20.31			
100	16QAM	1	1		20.37		21.5	0.0
100	64QAM	1	1		20.36		21.5	0.0
100	256QAM	1	1		18.98		18.5	2.0
Channel								
Frequency (MHz)				648668	650000	650334		
90	QPSK	1	1	20.33	20.42	20.39	21.5	0.0
Channel								
Frequency (MHz)				648334	650000	650668		
80	QPSK	1	1	3740.01	3760	3760.02		
Channel								
Frequency (MHz)				648000	650000	651000		
70	QPSK	1	1	20.34	20.39	20.34	21.5	0.0
Channel								
Frequency (MHz)				648668	650000	651334		
60	QPSK	1	1	20.31	20.41	20.37	21.5	0.0
Channel								
Frequency (MHz)				648334	650000	651668		
50	QPSK	1	1	3726.01	3760	3775.02		
Channel								
Frequency (MHz)				3720	3760	3780		
40	QPSK	1	1	20.28	20.40	20.38	21.5	0.0
Channel								
Frequency (MHz)				647668	650000	652334		
30	QPSK	1	1	3713.02	3760	3765.01		
Channel								
Frequency (MHz)				647500	650000	652500		
25	QPSK	1	1	20.31	20.40	20.37	21.5	0.0
Channel								
Frequency (MHz)				647334	650000	652668		
20	QPSK	1	1	20.29	20.41	20.39	21.5	0.0
Channel								
Frequency (MHz)				647168	650000	652834		
15	QPSK	1	1	3707.52	3760	3792.51		
Channel								
Frequency (MHz)				3705	3760	3795		
10	QPSK	1	1	20.31	20.37	20.35	21.5	0.0



Part270 n77 DSI3 Simultaneous Ant3

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)				3750	3840	3930		
100	PI2 BPSK	1	1	17.88	17.99	17.87		
100	PI2 BPSK	1	137	17.90	17.99	17.92		0.0
100	PI2 BPSK	1	271	17.88	17.98	17.85		
100	PI2 BPSK	138	0	17.90	17.97	17.84	19.0	0.0
100	PI2 BPSK	138	69	17.89	17.98	17.84	19.0	0.0
100	PI2 BPSK	138	138	17.89	17.96	17.93	19.0	0.0
100	PI2 BPSK	270	0	17.87	17.95	17.87		
100	QPSK	1	1	17.95	18.02	18.02		
100	QPSK	1	137	17.85	17.94	17.84	19.0	0.0
100	QPSK	1	271	17.90	17.94	17.97		
100	QPSK	138	0	17.88	17.95	17.97	19.0	0.0
100	QPSK	138	69	17.85	17.99	17.88	19.0	0.0
100	QPSK	138	138	17.89	17.96	17.83	19.0	0.0
100	QPSK	270	0	17.88	17.97	17.83	19.0	0.0
100	16QAM	1	1	17.88	17.94	17.92	19.0	0.0
100	16QAM	1	1	17.88	17.95	17.95	19.0	0.0
100	256QAM	1	1	17.90	17.95	17.93	19.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	17.69	17.77	17.75	19.0	0.0
Channel								
Frequency (MHz)				649334	650000	649668	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	17.70	17.75	17.72	19.0	0.0
Channel								
Frequency (MHz)				649000	650000	649000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	17.70	17.77	17.77	19.0	0.0
Channel								
Frequency (MHz)				648668	650000	648334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	17.69	17.78	17.74	19.0	0.0
Channel								
Frequency (MHz)				648334	650000	648668	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	17.69	17.73	17.75	19.0	0.0
Channel								
Frequency (MHz)				3720	3840	3960	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	17.69	17.73	17.77	19.0	0.0
Channel								
Frequency (MHz)				647668	650000	648334	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	17.69	17.76	17.75	19.0	0.0
Channel								
Frequency (MHz)				647500	650000	647500	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	17.70	17.74	17.75	19.0	0.0
Channel								
Frequency (MHz)				647334	650000	648668	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	17.70	17.77	17.77	19.0	0.0
Channel								
Frequency (MHz)				647168	650000	648434	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	17.68	17.77	17.75	19.0	0.0
Channel								
Frequency (MHz)				3705	3840	3975	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	17.67	17.74	17.74	19.0	0.0

Part270 n77 PC2 DSI3 Simultaneous Ant3

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)				3750	3840	3930		
100	PI2 BPSK	1	1	20.70	20.78	20.78		
100	PI2 BPSK	1	137	20.71	20.78	20.72	22.0	0.0
100	PI2 BPSK	1	271	20.69	20.77	20.77		
100	PI2 BPSK	138	0	20.67	20.77	20.75	22.0	0.0
100	PI2 BPSK	138	69	20.70	20.77	20.72	22.0	0.0
100	PI2 BPSK	138	138	20.66	20.77	20.75	22.0	0.0
100	PI2 BPSK	270	0	20.64	20.72	20.78		
100	QPSK	1	1	20.74	20.84	20.80		
100	QPSK	1	137	20.67	20.75	20.73	22.0	0.0
100	QPSK	1	271	20.71	20.76	20.75		
100	QPSK	138	0	20.66	20.75	20.75	22.0	0.0
100	QPSK	138	69	20.74	20.79	20.70	22.0	0.0
100	QPSK	138	138	20.71	20.72	20.72	22.0	0.0
100	QPSK	270	0	20.69	20.76	20.70	22.0	0.0
100	16QAM	1	1	20.66	20.72	20.72	22.0	0.0
100	16QAM	1	1	20.67	20.78	20.76	22.0	0.0
100	256QAM	1	1	20.73	20.73	20.74	22.0	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	20.68	20.73	20.77	22.0	0.0
Channel								
Frequency (MHz)				649334	650000	649668	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	20.67	20.74	20.70	22.0	0.0
Channel								
Frequency (MHz)				649000	650000	649000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	20.68	20.77	20.74	22.0	0.0
Channel								
Frequency (MHz)				648668	650000	648334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	20.66	20.73	20.75	22.0	0.0
Channel								
Frequency (MHz)				648334	650000	648668	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	20.71	20.78	20.72	22.0	0.0
Channel								
Frequency (MHz)				3720	3840	3960	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	20.69	20.74	20.72	22.0	0.0
Channel								
Frequency (MHz)				647668	650000	648334	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	20.68	20.73	20.74	22.0	0.0
Channel								
Frequency (MHz)				647500	650000	647500	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	20.70	20.76	20.77	22.0	0.0
Channel								
Frequency (MHz)				647334	650000	648668	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	20.67	20.77	20.73	22.0	0.0
Channel								
Frequency (MHz)				647168	650000	648434	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	20.68	20.73	20.78	22.0	0.0
Channel								
Frequency (MHz)				3705	3840	3975	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	20.68	20.72	20.77	22.0	0.0

Part270 n78 DSI3 Simultaneous Ant3

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)				3750	3750	3750		
100	PI2 BPSK	1	1		17.87			
100	PI2 BPSK	1	137		17.85		19.0	0.0
100	PI2 BPSK	1	271		17.86			
100	PI2 BPSK	138	0		17.86		19.0	0.0
100	PI2 BPSK	138	69		17.66		19.0	0.0
100	PI2 BPSK	138	138		17.89		19.0	0.0
100	PI2 BPSK	270	0		17.88			
100	QPSK	1	1		17.72			
100	QPSK	1	137		17.86		19.0	0.0
100	QPSK	1	271		17.70			
100	QPSK	138	0		17.59		19.0	0.0
100	QPSK	138	69		17.80		19.0	0.0
100	QPSK	138	138		17.51		19.0	0.0
100	QPSK	270	0		17.59		19.0	0.0
100	16QAM	1	1		17.65		19.0	0.0
100	16QAM	1	1		17.87		19.0	0.0
100	256QAM	1	1		17.87		19.0	0.0
Channel								
Frequency (MHz)				648668	650000	649334	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	17.55	17.58	17.63	19.0	0.0
Channel								
Frequency (MHz)				649334	650000	650968	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	17.54	17.59	17.62	19.0	0.0
Channel								
Frequency (MHz)				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	17.52	17.60	17.61	19.0	0.0
Channel								
Frequency (MHz)				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	17.54	17.59	17.62	19.0	0.0
Channel								
Frequency (MHz)				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	17.52	17.59	17.57	19.0	0.0
Channel								
Frequency (MHz)				3720	3750	3780	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	17.54	17.58	17.58	19.0	0.0
Channel								
Frequency (MHz)				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	17.53	17.59	17.62	19.0	0.0
Channel								
Frequency (MHz)				647500	650000	652900	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	17.52	17.61	17.61	19.0	0.0
Channel								
Frequency (MHz)				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	17.52	17.63	17.61	19.0	0.0
Channel								
Frequency (MHz)				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	17.52	17.64	17.61	19.0	0.0
Channel								
Frequency (MHz)				3705	3750	3795	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	17.55	17.60	17.60	19.0	0.0



Part270 n78 PC2 DSI3 Simultaneous Ant3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1		20.67			
100	PI2 BPSK	1	137		20.61		22.0	0.0
100	PI2 BPSK	1	271		20.86			
100	PI2 BPSK	135	0		20.83		22.0	0.0
100	PI2 BPSK	135	89		20.82		22.0	0.0
100	PI2 BPSK	135	138		20.64		22.0	0.0
100	PI2 BPSK	270	0		20.60			
100	QPSK	1	1		20.88			
100	QPSK	1	137		20.84		22.0	0.0
100	QPSK	1	271		20.67			
100	QPSK	135	0		20.64		22.0	0.0
100	QPSK	135	89		20.65		22.0	0.0
100	QPSK	135	138		20.61		22.0	0.0
100	QPSK	270	0		20.83		22.0	0.0
100	16QAM	1	1		20.83		22.0	0.0
100	16QAM	1	1		20.67		22.0	0.0
100	256QAM	1	1		20.67		22.0	0.0
Channel				649688	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01	22.0	0.0
90	QPSK	1	1	20.49	20.52	20.50	22.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02	22.0	0.0
80	QPSK	1	1	20.51	20.50	20.50	22.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765	22.0	0.0
70	QPSK	1	1	20.48	20.52	20.51	22.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01	22.0	0.0
60	QPSK	1	1	20.49	20.48	20.51	22.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02	22.0	0.0
50	QPSK	1	1	20.45	20.51	20.48	22.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780	22.0	0.0
40	QPSK	1	1	20.48	20.49	20.49	22.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01	22.0	0.0
30	QPSK	1	1	20.49	20.53	20.51	22.0	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5	22.0	0.0
25	QPSK	1	1	20.48	20.51	20.49	22.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02	22.0	0.0
20	QPSK	1	1	20.48	20.47	20.51	22.0	0.0
Channel				647188	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51	22.0	0.0
15	QPSK	1	1	20.50	20.53	20.51	22.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795	22.0	0.0
10	QPSK	1	1	20.45	20.51	20.51	22.0	0.0



Part270 n77 DSI3 Simultaneous Ant7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	MPR (dB)
Channel							
Frequency (MHz)				3750	3840	3930	
100	PI2 BPSK	1	1	19.32	19.36	19.31	
100	PI2 BPSK	1	137	19.36	19.34	19.33	20.5
100	PI2 BPSK	1	271	19.33	19.38	19.36	
100	PI2 BPSK	135	0	19.36	19.37	19.36	20.5
100	PI2 BPSK	135	69	19.36	19.37	19.35	20.5
100	PI2 BPSK	135	138	19.33	19.35	19.32	20.5
100	PI2 BPSK	270	0	19.33	19.39	19.32	
100	QPSK	1	1	19.41	19.43	19.40	
100	QPSK	1	137	19.32	19.39	19.31	20.5
100	QPSK	1	271	19.37	19.33	19.32	
100	QPSK	135	0	19.37	19.38	19.31	20.5
100	QPSK	135	69	19.35	19.39	19.31	20.5
100	QPSK	135	138	19.32	19.31	19.33	20.5
100	QPSK	270	0	19.36	19.37	19.32	
100	16QAM	1	1	19.35	19.38	19.33	20.5
100	16QAM	1	137	19.37	19.37	19.31	20.5
100	256QAM	1	1	18.49	18.52	18.57	19.5
Channel							
Frequency (MHz)				649668	650000	650334	MPR (dB)
90	QPSK	1	1	19.26	19.28	19.22	20.5
Channel							
Frequency (MHz)				649334	650000	650668	Tune-up limit (dBm)
80	QPSK	1	1	19.23	19.27	19.23	20.5
Channel							
Frequency (MHz)				649000	650000	650000	Tune-up limit (dBm)
70	QPSK	1	1	19.26	19.27	19.21	20.5
Channel							
Frequency (MHz)				648668	650000	651334	Tune-up limit (dBm)
60	QPSK	1	1	19.24	19.25	19.26	20.5
Channel							
Frequency (MHz)				648334	650000	650668	Tune-up limit (dBm)
50	QPSK	1	1	19.22	19.25	19.25	20.5
Channel							
Frequency (MHz)				647900	650000	650000	Tune-up limit (dBm)
40	QPSK	1	1	19.22	19.27	19.25	20.5
Channel							
Frequency (MHz)				647668	650000	651334	Tune-up limit (dBm)
30	QPSK	1	1	19.21	19.24	19.22	20.5
Channel							
Frequency (MHz)				647300	650000	650500	Tune-up limit (dBm)
25	QPSK	1	1	19.22	19.27	19.24	20.5
Channel							
Frequency (MHz)				647334	650000	650668	Tune-up limit (dBm)
20	QPSK	1	1	19.26	19.25	19.22	20.5
Channel							
Frequency (MHz)				647188	650000	650834	Tune-up limit (dBm)
15	QPSK	1	1	19.27	19.27	19.22	20.5
Channel							
Frequency (MHz)				647000	650000	650000	Tune-up limit (dBm)
10	QPSK	1	1	19.26	19.24	19.24	20.5

Part270 n78 DSI3 Simultaneous Ant7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	MPR (dB)
Channel							
Frequency (MHz)				3750	3750	3750	
100	PI2 BPSK	1	1		19.23		
100	PI2 BPSK	1	137		19.25		20.5
100	PI2 BPSK	1	271		19.26		
100	PI2 BPSK	135	0		19.28		20.5
100	PI2 BPSK	135	69		19.26		20.5
100	PI2 BPSK	135	138		19.27		20.5
100	PI2 BPSK	270	0		19.23		
100	QPSK	1	1		19.26		
100	QPSK	1	137		19.24		20.5
100	QPSK	1	271		19.23		
100	QPSK	135	0		19.25		20.5
100	QPSK	135	69		19.27		20.5
100	QPSK	135	138		19.25		20.5
100	QPSK	270	0		19.26		
100	16QAM	1	1		19.28		20.5
100	16QAM	1	137		19.25		20.5
100	256QAM	1	1		18.64		19.5
Channel							
Frequency (MHz)				648668	650000	650334	Tune-up limit (dBm)
90	QPSK	1	1	19.17	19.22	19.18	20.5
Channel							
Frequency (MHz)				649334	650000	650668	Tune-up limit (dBm)
80	QPSK	1	1	19.17	19.22	19.16	20.5
Channel							
Frequency (MHz)				649000	650000	651000	Tune-up limit (dBm)
70	QPSK	1	1	19.17	19.19	19.12	20.5
Channel							
Frequency (MHz)				648668	650000	651334	Tune-up limit (dBm)
60	QPSK	1	1	19.20	19.22	19.14	20.5
Channel							
Frequency (MHz)				648334	650000	651668	Tune-up limit (dBm)
50	QPSK	1	1	19.16	19.20	19.12	20.5
Channel							
Frequency (MHz)				647900	650000	652000	Tune-up limit (dBm)
40	QPSK	1	1	19.21	19.18	19.12	20.5
Channel							
Frequency (MHz)				647668	650000	652334	Tune-up limit (dBm)
30	QPSK	1	1	19.21	19.20	19.12	20.5
Channel							
Frequency (MHz)				647300	650000	652500	Tune-up limit (dBm)
25	QPSK	1	1	19.21	19.21	19.16	20.5
Channel							
Frequency (MHz)				647334	650000	652668	Tune-up limit (dBm)
20	QPSK	1	1	19.20	19.19	19.13	20.5
Channel							
Frequency (MHz)				647188	650000	652834	Tune-up limit (dBm)
15	QPSK	1	1	19.19	19.23	19.18	20.5
Channel							
Frequency (MHz)				647000	650000	653000	Tune-up limit (dBm)
10	QPSK	1	1	19.17	19.22	19.15	20.5



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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	20.88	21.01	20.94	21.7	0.0
100	PI2 BPSK	1	137	20.87	20.95	20.94		
100	PI2 BPSK	1	271	20.85	20.96	20.94		
100	PI2 BPSK	135	0	20.88	20.97	20.94	21.7	0.0
100	PI2 BPSK	135	69	20.88	21.01	20.90	21.7	0.0
100	PI2 BPSK	135	138	20.87	20.97	20.90	21.7	0.0
100	PI2 BPSK	270	0	20.87	21.01	20.92		
100	QPSK	1	1	20.93	21.06	20.99		
100	QPSK	1	137	20.85	20.98	20.95	21.7	0.0
100	QPSK	1	271	20.87	21.00	20.90		
100	QPSK	135	0	20.85	20.91	20.95	21.7	0.0
100	QPSK	135	69	20.85	20.96	20.94	21.7	0.0
100	QPSK	135	138	20.89	20.96	20.90	21.7	0.0
100	QPSK	270	0	20.88	20.91	20.90		
100	16QAM	1	1	20.89	20.96	20.90	21.7	0.0
100	16QAM	1	1	20.01	20.16	20.11	21.5	0.2
100	256QAM	1	1	18.14	18.18	18.09	19.5	2.2
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.85	21.01	20.95	21.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.88	20.96	20.93	21.7	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	20.89	20.98	20.94	21.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.83	20.96	20.89	21.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.86	20.96	20.91	21.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.87	20.97	20.93	21.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.86	20.97	20.93	21.7	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	20.85	20.96	20.91	21.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.86	20.98	20.92	21.7	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.85	20.99	20.91	21.7	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.85	21.00	20.93	21.7	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	23.90	23.91	23.96	24.7	0.0
100	PI2 BPSK	1	137	23.86	23.92	23.93		
100	PI2 BPSK	1	271	23.83	23.99	23.92		
100	PI2 BPSK	135	0	23.88	23.96	23.92	24.7	0.0
100	PI2 BPSK	135	69	23.86	24.01	23.89	24.7	0.0
100	PI2 BPSK	135	138	23.87	23.97	23.93	24.7	0.0
100	PI2 BPSK	270	0	23.89	24.00	23.93		
100	QPSK	1	1	23.92	24.02	23.98		
100	QPSK	1	137	23.86	23.97	23.98	24.7	0.0
100	QPSK	1	271	23.84	23.98	23.88		
100	QPSK	135	0	23.86	23.89	23.90	24.7	0.0
100	QPSK	135	69	23.84	23.95	23.91	24.7	0.0
100	QPSK	135	138	23.90	23.90	23.90	24.7	0.0
100	QPSK	270	0	23.87	23.94	23.90		
100	16QAM	1	1	23.86	23.93	23.91	24.7	0.0
100	16QAM	1	1	23.35	23.39	23.28	24.5	0.2
100	256QAM	1	1	20.99	21.02	20.88	22.5	2.2
Channel								
Frequency (MHz)								
90	QPSK	1	1	23.87	23.89	23.89	24.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.90	23.90	23.91	24.7	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	23.88	23.91	23.93	24.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	23.87	23.88	23.90	24.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.90	23.90	23.90	24.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.91	23.88	23.87	24.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	23.90	23.91	23.89	24.7	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	23.90	23.89	23.92	24.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.89	23.91	23.91	24.7	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.90	23.90	23.87	24.7	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.89	23.89	23.90	24.7	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		20.83		21.7	0.0
100	PI2 BPSK	1	137		20.84			
100	PI2 BPSK	1	271		20.85			
100	PI2 BPSK	135	0		20.84		21.7	0.0
100	PI2 BPSK	135	69		20.79		21.7	0.0
100	PI2 BPSK	135	138		20.79		21.7	0.0
100	PI2 BPSK	270	0		20.83			
100	QPSK	1	1		20.99			
100	QPSK	1	137		20.86		21.7	0.0
100	QPSK	1	271		20.76			
100	QPSK	135	0		20.86		21.7	0.0
100	QPSK	135	69		20.82		21.7	0.0
100	QPSK	135	138		20.71		21.7	0.0
100	QPSK	270	0		20.77			
100	16QAM	1	1		20.77		21.7	0.0
100	16QAM	1	1		20.97		21.5	0.2
100	256QAM	1	1		18.93		19.5	2.2
Channel								
Frequency (MHz)								
90	QPSK	1	1	648683	650000	652334	660334	660334
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.72	20.88	20.84	21.7	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	20.77	20.91	20.82	21.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.78	20.89	20.86	21.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.73	20.88	20.84	21.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.76	20.88	20.85	21.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.76	20.92	20.85	21.7	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	20.76	20.88	20.85	21.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.75	20.90	20.85	21.7	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.72	20.91	20.86	21.7	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.77	20.90	20.83	21.7	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)
Channel				3750	3750	3750		
Frequency (MHz)								
100	PI/2 BPSK	1	1	23.85				
100	PI/2 BPSK	1	137	23.80			24.7	0.0
100	PI/2 BPSK	1	271	23.82				
100	PI/2 BPSK	135	0	23.80			24.7	0.0
100	PI/2 BPSK	135	69	23.77			24.7	0.0
100	PI/2 BPSK	135	138	23.81			24.7	0.0
100	PI/2 BPSK	270	0	23.85				
100	QPSK	1	1	23.87				
100	QPSK	1	137	23.88			24.7	0.0
100	QPSK	1	271	23.78				
100	QPSK	135	0	23.77			24.7	0.0
100	QPSK	135	69	23.81			24.7	0.0
100	QPSK	135	138	23.78			24.7	0.0
100	QPSK	270	0	23.80				
100	16QAM	1	1	23.82			24.7	0.0
100	16QAM	1	1	23.73			24.5	0.2
100	256QAM	1	1	21.55			22.5	2.2
Channel				649688	650000	650334		MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	23.78	23.81	23.75	24.7	0.0
Channel				649334	650000	650668		MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	23.79	23.78	23.79	24.7	0.0
Channel				649000	650000	651000		MPR (dB)
Frequency (MHz)				3735	#VALUE!	3765		
70	QPSK	1	1	23.73	23.78	23.81	24.7	0.0
Channel				648668	650000	651334		MPR (dB)
Frequency (MHz)				3730.02	3750	3730.01		
60	QPSK	1	1	23.78	23.75	23.75	24.7	0.0
Channel				648334	650000	651668		MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	23.73	23.81	23.80	24.7	0.0
Channel				648000	650000	653000		MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	23.75	23.81	23.77	24.7	0.0
Channel				647668	650000	652334		MPR (dB)
Frequency (MHz)				3715.02	3750	3765.01		
30	QPSK	1	1	23.75	23.78	23.77	24.7	0.0
Channel				647500	650000	652500		MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	23.79	23.78	23.78	24.7	0.0
Channel				647334	650000	652668		MPR (dB)
Frequency (MHz)				3710.01	3750	3780.02		
20	QPSK	1	1	23.75	23.78	23.78	24.7	0.0
Channel				647188	650000	652834		MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	23.73	23.79	23.78	24.7	0.0
Channel				647000	650000	653000		MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	23.78	23.78	23.81	24.7	0.0



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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 65000	Power Middle Ch. / Freq. 65500	Power High Ch. / Freq. 65900	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pl/2 BPSK	1	1	23.56	23.61	23.05		
100	Pl/2 BPSK	1	137	23.44	23.56	23.03	24.0	0.0
100	Pl/2 BPSK	1	271	23.22	23.41	23.05		
100	Pl/2 BPSK	135	0	23.42	23.35	23.11	23.5	0.5
100	Pl/2 BPSK	135	69	23.38	23.55	23.01	24.0	0.0
100	Pl/2 BPSK	135	138	23.28	23.35	22.91	23.5	0.5
100	Pl/2 BPSK	270	0	23.49	23.43	22.98		
100	QPSK	1	1	23.54	23.65	23.08		
100	QPSK	1	137	23.49	23.53	23.10	24.0	0.0
100	QPSK	1	271	23.35	23.43	23.03		
100	QPSK	135	0	22.66	22.65	22.95	23.0	1.0
100	QPSK	135	69	23.51	23.58	23.01	24.0	0.0
100	QPSK	135	138	22.44	22.38	22.29		
100	QPSK	270	0	22.43	22.45	22.39	23.0	1.0
100	16QAM	1	1	22.54	22.59	22.68	23.0	1.0
100	16QAM	1	1	21.45	21.34	20.98	21.5	2.5
100	256QAM	1	1	19.01	19.03	19.05	19.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.47	22.59	22.01	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.50	22.60	22.03	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	22.47	22.51	22.06	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.38	22.54	22.01	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.44	22.57	22.05	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.47	22.63	22.05	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.51	22.53	22.01	24.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	22.49	22.60	22.05	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.50	22.55	22.05	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.47	22.58	22.04	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.38	22.64	22.03	24.0	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 65000	Power Middle Ch. / Freq. 65500	Power High Ch. / Freq. 65900	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pl/2 BPSK	1	1	23.56	23.61	23.05		
100	Pl/2 BPSK	1	137	23.44	23.56	23.03	24.0	0.0
100	Pl/2 BPSK	1	271	23.22	23.41	23.05		
100	Pl/2 BPSK	135	0	23.42	23.35	23.11	23.5	0.5
100	Pl/2 BPSK	135	69	23.38	23.55	23.01	24.0	0.0
100	Pl/2 BPSK	135	138	23.28	23.35	22.91	23.5	0.5
100	Pl/2 BPSK	270	0	23.49	23.43	22.98		
100	QPSK	1	1	23.54	23.65	23.08		
100	QPSK	1	137	23.49	23.53	23.10	24.0	0.0
100	QPSK	1	271	23.35	23.43	23.03		
100	QPSK	135	0	22.66	22.65	22.95	23.0	1.0
100	QPSK	135	69	23.51	23.58	23.01	24.0	0.0
100	QPSK	135	138	22.44	22.38	22.29		
100	QPSK	270	0	22.43	22.45	22.39	23.0	1.0
100	16QAM	1	1	22.54	22.59	22.68	23.0	1.0
100	16QAM	1	1	21.45	21.34	20.98	21.5	2.5
100	256QAM	1	1	19.01	19.03	19.05	19.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.47	22.59	22.01	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.50	22.60	22.03	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	22.47	22.51	22.06	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.38	22.54	22.01	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.44	22.57	22.05	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.47	22.63	22.05	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.51	22.53	22.01	24.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	22.49	22.60	22.05	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.50	22.55	22.05	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.47	22.58	22.04	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.38	22.64	22.03	24.0	0.0



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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
				3750	3840	3930		
100	PI2 BPSK	1	1	20.88	21.01	20.94		
100	PI2 BPSK	1	137	20.87	20.95	20.94		0.0
100	PI2 BPSK	1	271	20.85	20.96	20.94		
100	PI2 BPSK	135	6	20.88	20.97	20.94	21.7	0.0
100	PI2 BPSK	135	69	20.88	21.01	20.90	21.7	0.0
100	PI2 BPSK	135	138	20.87	20.97	20.90	21.7	0.0
100	PI2 BPSK	270	0	20.87	21.01	20.92		
100	QPSK	1	1	20.93	21.06	20.99		
100	QPSK	1	137	20.85	20.98	20.95	21.7	0.0
100	QPSK	1	271	20.87	21.00	20.90		
100	QPSK	135	0	20.85	20.91	20.95	21.7	0.0
100	QPSK	135	69	20.85	20.96	20.94	21.7	0.0
100	QPSK	135	138	20.89	20.96	20.90	21.7	0.0
100	QPSK	270	0	20.88	20.91	20.90		
100	16QAM	1	1	20.89	20.96	20.90	21.7	0.0
100	16QAM	1	1	20.01	20.16	20.11	21.5	0.2
100	256QAM	1	1	18.14	18.18	18.09	19.5	2.2
Channel								
Frequency (MHz)								
				3745.02	3840	3935.01		
90	QPSK	1	1	20.85	21.01	20.95	21.7	0.0
Channel								
Frequency (MHz)								
				649334	650000	650666		MPR
80	QPSK	1	1	3740.01	3840	3940.02		
Channel								
Frequency (MHz)								
				649000	650000	651000		MPR
70	QPSK	1	1	20.89	20.98	20.94	21.7	0.0
Channel								
Frequency (MHz)								
				648668	650000	651334		MPR
60	QPSK	1	1	20.83	20.96	20.89	21.7	0.0
Channel								
Frequency (MHz)								
				648334	650000	650668		MPR
50	QPSK	1	1	20.86	20.96	20.91	21.7	0.0
Channel								
Frequency (MHz)								
				3720	3840	3960		
40	QPSK	1	1	20.87	20.97	20.93	21.7	0.0
Channel								
Frequency (MHz)								
				647668	650000	654334		MPR
30	QPSK	1	1	3715.02	3840	3955.01		
Channel								
Frequency (MHz)								
				647500	650000	654500		MPR
25	QPSK	1	1	20.85	20.96	20.91	21.7	0.0
Channel								
Frequency (MHz)								
				647334	650000	654668		MPR
20	QPSK	1	1	20.86	20.98	20.92	21.7	0.0
Channel								
Frequency (MHz)								
				647168	650000	654834		MPR
15	QPSK	1	1	20.85	20.99	20.91	21.7	0.0
Channel								
Frequency (MHz)								
				3705	3840	3975		
10	QPSK	1	1	20.85	21.00	20.93	21.7	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
				3750	3840	3930		
100	PI2 BPSK	1	1	23.90	23.91	23.96		
100	PI2 BPSK	1	137	23.86	23.92	23.93	24.7	0.0
100	PI2 BPSK	1	271	23.88	23.99	23.92		
100	PI2 BPSK	135	6	23.88	23.96	23.92	24.7	0.0
100	PI2 BPSK	135	69	23.86	24.01	23.89	24.7	0.0
100	PI2 BPSK	135	138	23.87	23.97	23.93	24.7	0.0
100	PI2 BPSK	270	0	23.89	24.00	23.93		
100	QPSK	1	1	23.92	24.02	23.98		
100	QPSK	1	137	23.86	23.97	23.98	24.7	0.0
100	QPSK	1	271	23.84	23.98	23.88		
100	QPSK	135	0	23.86	23.89	23.90	24.7	0.0
100	QPSK	135	69	23.84	23.95	23.91	24.7	0.0
100	QPSK	135	138	23.90	23.90	23.90	24.7	0.0
100	QPSK	270	0	23.87	23.94	23.90		
100	16QAM	1	1	23.86	23.93	23.91	24.7	0.0
100	16QAM	1	1	23.35	23.39	23.28	24.5	0.2
100	256QAM	1	1	20.99	21.02	20.88	22.5	2.2
Channel								
Frequency (MHz)								
				3745.02	3840	3935.01		
90	QPSK	1	1	23.87	23.89	23.89	24.7	0.0
Channel								
Frequency (MHz)								
				649334	650000	650668		MPR
80	QPSK	1	1	3740.01	3840	3940.02		
Channel								
Frequency (MHz)								
				649000	650000	651000		MPR
70	QPSK	1	1	23.88	23.91	23.93	24.7	0.0
Channel								
Frequency (MHz)								
				648668	650000	651334		MPR
60	QPSK	1	1	23.87	23.88	23.90	24.7	0.0
Channel								
Frequency (MHz)								
				648334	650000	650668		MPR
50	QPSK	1	1	23.90	23.90	23.90	24.7	0.0
Channel								
Frequency (MHz)								
				3720	3840	3960		
40	QPSK	1	1	23.91	23.88	23.87	24.7	0.0
Channel								
Frequency (MHz)								
				647668	650000	654334		MPR
30	QPSK	1	1	3715.02	3840	3955.01		
Channel								
Frequency (MHz)								
				647500	650000	654500		MPR
25	QPSK	1	1	23.90	23.89	23.92	24.7	0.0
Channel								
Frequency (MHz)								
				647334	650000	654668		MPR
20	QPSK	1	1	23.89	23.91	23.91	24.7	0.0
Channel								
Frequency (MHz)								
				647168	650000	654834		MPR
15	QPSK	1	1	23.90	23.90	23.87	24.7	0.0
Channel								
Frequency (MHz)								
				3705	3840	3975		
10	QPSK	1	1	23.89	23.89	23.90	24.7	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
				3750	3750	3750			
100	PI2 BPSK	1	1		20.83		21.7	0.0	
100	PI2 BPSK	1	137		20.84				
100	PI2 BPSK	1	271		20.85				
100	PI2 BPSK	135	0		20.84		21.7	0.0	
100	PI2 BPSK	135	69		20.79		21.7	0.0	
100	PI2 BPSK	135	138		20.79		21.7	0.0	
100	PI2 BPSK	270	0		20.83				
100	QPSK	1	1		20.99				
100	QPSK	1	137		20.86		21.7	0.0	
100	QPSK	1	271		20.76				
100	QPSK	135	0		20.86		21.7	0.0	
100	QPSK	135	69		20.82		21.7	0.0	
100	QPSK	135	138		20.71		21.7	0.0	
100	QPSK	270	0		20.77				
100	16QAM	1	1		20.77		21.7	0.0	
100	16QAM	1	1		20.97		21.5	0.2	
100	256QAM	1	1		18.93		19.5	2.2	
Channel									
Frequency (MHz)									
				648668	650000	650334		MPR	
90	QPSK	1	1		20.74	20.90	20.84	21.7	0.0
Channel									
Frequency (MHz)									
				649334	650000	650668		MPR	
80	QPSK	1	1		20.72	20.88	20.84	21.7	0.0
Channel									
Frequency (MHz)									
				649000	650000	651000		MPR	
70	QPSK	1	1		20.77	20.91	20.82	21.7	0.0
Channel									
Frequency (MHz)									
				648668	650000	651334		MPR	
60	QPSK	1	1		20.78	20.89	20.86	21.7	0.0
Channel									
Frequency (MHz)									
				648334	650000	651668		MPR	
50	QPSK	1	1		20.73	20.88	20.84	21.7	0.0
Channel									
Frequency (MHz)									
				3720	3750	3780			
40	QPSK	1	1		20.76	20.88	20.85	21.7	0.0
Channel									
Frequency (MHz)									
				647668	650000	652334		MPR	
30	QPSK	1	1		3715.02	3750	3765.01		
Channel									
Frequency (MHz)									
				647500	650000	652500		MPR	
25	QPSK	1	1		20.76	20.88	20.85	21.7	0.0
Channel									
Frequency (MHz)									
				647334	650000	652668		MPR	
20	QPSK	1	1		20.75	20.90	20.85	21.7	0.0
Channel									
Frequency (MHz)									
				647168	650000	652834		MPR	
15	QPSK	1	1		20.72	20.91	20.86	21.7	0.0
Channel									
Frequency (MHz)									
				3705	3750	3795			
10	QPSK	1	1		20.77	20.90	20.83	21.7	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)
Channel				3750	3750	3750		
Frequency (MHz)								
100	PI2 BPSK	1	1	23.85				
100	PI2 BPSK	1	137	23.80			24.7	0.0
100	PI2 BPSK	1	271	23.82			24.7	0.0
100	PI2 BPSK	135	0	23.80			24.7	0.0
100	PI2 BPSK	135	69	23.77			24.7	0.0
100	PI2 BPSK	135	138	23.81			24.7	0.0
100	PI2 BPSK	270	0	23.85				
100	QPSK	1	1	23.87				
100	QPSK	1	137	23.88			24.7	0.0
100	QPSK	1	271	23.78				
100	QPSK	135	0	23.77			24.7	0.0
100	QPSK	135	69	23.81			24.7	0.0
100	QPSK	135	138	23.78			24.7	0.0
100	QPSK	270	0	23.80				
100	16QAM	1	1	23.82			24.7	0.0
100	16QAM	1	1	23.73			24.5	0.2
100	256QAM	1	1	21.55			22.5	2.2
Channel				649688	650000	650334		MPR
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	23.78	23.81	23.75	24.7	0.0
Channel				649334	650000	650668		MPR
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	23.79	23.78	23.79	24.7	0.0
Channel				649000	650000	651000		MPR
Frequency (MHz)				3735	#VALUE!	3765		
70	QPSK	1	1	23.73	23.78	23.81	24.7	0.0
Channel				648668	650000	651334		MPR
Frequency (MHz)				3730.02	3750	3730.01		
60	QPSK	1	1	23.78	23.75	23.75	24.7	0.0
Channel				648334	650000	651668		MPR
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	23.73	23.81	23.80	24.7	0.0
Channel				648000	650000	653000		MPR
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	23.75	23.81	23.77	24.7	0.0
Channel				647668	650000	652334		MPR
Frequency (MHz)				3715.02	3750	3765.01		
30	QPSK	1	1	23.75	23.78	23.77	24.7	0.0
Channel				647500	650000	652500		MPR
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	23.79	23.78	23.78	24.7	0.0
Channel				647334	650000	652668		MPR
Frequency (MHz)				3710.01	3750	3780.02		
20	QPSK	1	1	23.75	23.78	23.78	24.7	0.0
Channel				647188	650000	652834		MPR
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	23.73	23.79	23.78	24.7	0.0
Channel				647000	650000	653000		MPR
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	23.78	23.78	23.81	24.7	0.0



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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 65000	Power Middle Ch./Freq. 65000	Power High Ch./Freq. 65000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	23.56	23.61	23.05		
100	PI2 BPSK	1	137	23.44	23.58	23.03	24.0	0.0
100	PI2 BPSK	1	271	23.22	23.41	23.05		
100	PI2 BPSK	135	0	23.42	23.35	23.11	23.5	0.5
100	PI2 BPSK	135	69	23.38	23.65	23.01	24.0	0.0
100	PI2 BPSK	135	138	23.28	23.35	22.91	23.5	0.5
100	PI2 BPSK	270	0	23.40	23.43	22.98		
100	QPSK	1	1	23.54	23.85	23.08		
100	QPSK	1	137	23.49	23.53	23.10	24.0	0.0
100	QPSK	1	271	23.35	23.43	23.03		
100	QPSK	135	0	22.66	22.65	22.95	23.0	1.0
100	QPSK	135	69	23.51	23.58	23.01	24.0	0.0
100	QPSK	135	138	22.57	22.67	22.92	24.0	1.0
100	QPSK	270	0	22.43	23.45	22.94		
100	16QAM	1	1	22.54	22.59	22.68	23.0	1.0
100	16QAM	1	1	21.45	21.34	20.98	21.5	2.5
100	256QAM	1	1	19.01	19.03	19.05	19.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.47	22.59	22.01	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.50	22.60	22.03	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	22.47	22.51	22.06	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.38	22.54	22.01	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.44	22.57	22.05	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.47	22.63	22.05	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.51	22.53	22.01	24.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	22.49	22.60	22.05	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.50	22.55	22.05	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.47	22.58	22.04	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.38	22.64	22.03	24.0	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 65000	Power Middle Ch./Freq. 65000	Power High Ch./Freq. 65000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	22.74	22.74	22.74		
100	PI2 BPSK	1	137	22.69	22.69	22.69	24.0	0.0
100	PI2 BPSK	1	271	22.63	22.63	22.63		
100	PI2 BPSK	135	0	22.39	22.39	22.39	23.5	0.5
100	PI2 BPSK	135	69	22.71	22.71	22.71	24.0	0.0
100	PI2 BPSK	135	138	22.61	22.61	22.61	23.5	0.5
100	PI2 BPSK	270	0	22.40	22.40	22.40		
100	QPSK	1	1	22.77	22.77	22.77		
100	QPSK	1	137	22.57	22.57	22.57	24.0	0.0
100	QPSK	1	271	22.47	22.47	22.47		
100	QPSK	135	0	22.31	22.31	22.31	23.0	1.0
100	QPSK	135	69	22.74	22.74	22.74	24.0	0.0
100	QPSK	135	138	21.45	21.45	21.45	23.0	1.0
100	QPSK	270	0	22.52	22.52	22.52		
100	16QAM	1	1	22.19	22.19	22.19	23.0	1.0
100	16QAM	1	1	21.14	21.14	21.14	21.5	2.5
100	256QAM	1	1	19.16	19.16	19.16	19.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.66	22.67	22.67	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.63	22.63	22.72	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	22.68	22.61	22.74	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.64	22.68	22.68	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.74	22.68	22.73	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.68	22.74	22.61	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.72	22.72	22.62	24.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	22.74	22.62	22.61	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.74	22.60	22.59	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.71	22.71	22.65	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.67	22.73	22.68	24.0	0.0