CERTIFICATION TEST REPORT

Report Number. : 4790748041-E4V5

Applicant	:	SAMSUNG ELECTRONICS CO., LTD. 129 SAMSUNG-RO, YEONGTONG-GU, SUWON-SI, GYEONGGI-DO, 16677, KOREA
Model	:	SM-F946U, SM-F946U1
FCC ID	:	A3LSMF946U
EUT Description	:	GSM/WCDMA/LTE 5G NR Phone + BT/BLE, DTS/UNII a/b/g/n/ac/ax, NFC, WPT and UWB
Test Standard(s)	:	FCC CFR47 PART 27 SUBPART D,F,H,L,M,O,Q

Date Of Issue:
2023-05-27

Prepared by:
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IAS ACCREDITED
Testing Laboratory
TL-637

Revision History

Rev.	Issue Date	Revisions	Revised By
V1	2023-05-17	Initial issue	Yeonhee Lim
V2	2023-05-22	Updated to address TCB's question	Yeonhee Lim
V3	2023-05-24	Updated to address TCB's question	Yeonhee Lim
V4	2023-05-26	Updated to address TCB's question	Yeonhee Lim
V5	2023-05-27	Updated to address TCB's question	Yeonhee Lim

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1. ATTESTATION OF TEST RESULTS

COMPANY NAME:	SAMSUNG ELECTRONICS CO., LTD.
EUT DESCRIPTION:	GSM/WCDMA/LTE 5G NR Phone + BT/BLE, DTS/UNII a/b/g/n/ac/ax, NFC, WPT and UWB.
MODEL NUMBER:	SM-F946U, SM-F946U1
SERIAL NUMBER:	R3CW20L0JZE, R3CW20NZSHN, R3CW20NZV7D (CONDUCTED); R3CW20P0BFD, R3CW20P0AXJ, R3CW20P0BMZ, R3CW20P0AZT (RADIATED);
DATE TESTED:	2023-03-13 - 2023-05-26;

APPLICABLE STANDARDS	
STANDARD	**TEST RESULTS**
FCC PART 27D,F,H,L,M,O,Q	Complies

UL KOREA LTD. tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by UL KOREA LTD. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Note: The results documented in this report apply only to the tested sample, under the conditions and Modes of operation as described herein. This document may not be altered or revised in any way unless done so by UL KOREA LTD. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL KOREA LTD. will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by IAS, any agency of the Federal Government, or any agency of any government.

Approved & Released For
UL KOREA LTD. By:

Seokhwan Hong
Suwon Lab Engineer
UL KOREA LTD.

Tested By:

Yeonhee Lim
Suwon Lab Engineer
UL KOREA LTD.

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2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with following methods.

1. FCC CFR 47 Part 2.
2. FCC CFR 47 Part 27.
3. ANSI TIA-603-E, 2016
4. ANSI C63.26, 2015
5. KDB 971168 D01 Power Meas License Digital Systems v03r01

3. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 218 Maeyeong-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do,16675, Korea. Line conducted emissions are measured only at the 218 address. The following table identifies which facilities were utilized for radiated emission measurements documented in this report. Specific facilities are also identified in the test results sections.

218 Maeyeong-ro
☒ Chamber 1(3m semi-anechoic chamber)
☒ Chamber 2(3m semi-anechoic chamber)
☐ Chamber 3(3m semi-anechoic chamber)
☒ Chamber 4(3m Full-anechoic chamber)
☐ Chamber 5(3m Full-anechoic chamber)

UL KOREA LTD. is accredited by IAS, Laboratory Code TL-637. The full scope of accreditation can be viewed at https://www.iasonline.org/wp-content/uploads/2017/05/TL-637-cert-New.pdf.

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

4.2. SAMPLE CALCULATION

Where relevant, the following sample calculation is provided:

EIRP = PSA reading with EUT worst orientation (dBm) + Path loss (dB) – cable loss(between the SG and substitution antenna) + Substitution Antenna Factor (dBi)

ERP = PSA reading with EUT worst orientation (dBm) + Path loss (dB) – cable loss(between the SG and substitution antenna)

(Path loss = Signal generator output – PSA reading with substitution antenna)

4.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

PARAMETER	UNCERTAINTY
Conducted Disturbance, 0.15 to 30 MHz	2.80 dB
Radiated Disturbance, 30 MHz to 1 GHz	3.92 dB
Radiated Disturbance, 1 GHz to 18 GHz	5.06 dB
Radiated Disturbance, 18 GHz to 40 GHz	6.02 dB

Uncertainty figures are valid to a confidence level of 95%.

4.4. DECISION RULE

Decision rule for statement(s) of conformity is based on Procedure 2, Clause 4.4.3 in IEC Guide 115:2021.

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5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

The EUT is a GSM/WCDMA/LTE 5G NR Phone + BT/BLE, DTS/UNII a/b/g/n/ac/ax, NFC, WPT and UWB. This test report addresses the WWAN operational Mode.

Representative Model	Difference	Derivative Model
		SM-F946U1
SM-F946U	Hardware	Same as SM-F946U
	Software	Different UI

Thus, SM-F946U was set for final test.

5.2. MAXIMUM OUTPUT POWER

The transmitter has a maximum average radiated ERP / EIRP output powers as follows:

WCDMA

FCC Part 27						
Band	Frequency Range [MHz]	Modulation	Conducted		Radiated (ANT B)	
			Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
Band 4	1710 ~ 1755	Rel. 99	**24.04**	**253.51**	**24.33**	**271.02**
		HSDPA	23.07	202.77	23.58	228.03

LTE Band 7 (ANT B)

FCC Part 27							
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted (ANT B)		Radiated (ANT B)	
				Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
Band 7	2510 ~ 2560	20	QPSK	**23.64**	**231.21**	24.23	264.85
			16QAM	23.06	202.30	23.48	222.84
			64QAM	21.88	154.17		
			256QAM	18.90	77.62		
	2507.5 ~ 2562.5	15	QPSK	23.17	207.49	24.23	264.85
			16QAM	22.64	183.65	23.63	230.67
			64QAM	21.44	139.32		
			256QAM	18.47	70.31		
	2505 ~ 2565	10	QPSK	23.31	214.29	24.50	281.84
			16QAM	22.65	184.08	23.57	227.51
			64QAM	21.50	141.25		
			256QAM	18.44	69.82		
	2502.5 ~ 2567.5	5	QPSK	23.10	204.17	**24.59**	**287.74**
			16QAM	22.39	173.38	23.86	243.22
			64QAM	21.34	136.14		
			256QAM	18.40	69.18		

LTE Band 7 (ANT F)

FCC Part 27							
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted (ANT F)		Radiated (ANT F)	
				Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
Band 7	2510 ~ 2560	20	QPSK	23.41	219.28		
			16QAM	22.85	192.75		
			64QAM	21.65	146.22		
			256QAM	18.70	74.13		
	2507.5 ~ 2562.5	15	QPSK	23.38	217.77		
			16QAM	22.73	187.50		
			64QAM	21.61	144.88		
			256QAM	18.85	76.74		
	2505 ~ 2565	10	QPSK	**23.62**	**230.14**	**24.09**	**256.29**
			16QAM	22.79	190.11	23.14	206.13
			64QAM	21.86	153.46		
			256QAM	18.81	76.03		
	2502.5 ~ 2567.5	5	QPSK	23.40	218.78		
			16QAM	22.56	180.30		
			64QAM	21.61	144.88		
			256QAM	18.69	73.96		

LTE Band 12

FCC Part 27									
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted		Radiated (ANT A+B)		Radiated (ANT A)	
				Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
Band 12	704 ~ 711	10	QPSK	23.85	242.66	17.57	57.15	**19.26**	**84.33**
			16QAM	23.25	211.35	16.81	47.97	18.11	64.71
			64QAM	22.01	158.85				
			256QAM	18.96	78.70				
	701.5 ~ 713.5	5	QPSK	**23.94**	**247.74**	**18.26**	**66.99**	18.99	79.25
			16QAM	23.11	204.64	17.19	52.36	18.15	65.31
			64QAM	22.01	158.85				
			256QAM	19.08	80.91				
	700.5 ~ 714.5	3	QPSK	23.90	245.47	17.70	58.88	19.20	83.18
			16QAM	23.19	208.45	16.70	46.77	18.19	65.92
			64QAM	22.18	165.20				
			256QAM	19.12	81.66				
	699.7 ~ 715.3	1.4	QPSK	23.92	246.60	17.77	59.84	19.12	81.66
			16QAM	23.09	203.70	16.58	45.50	18.00	63.10
			64QAM	22.10	162.18				
			256QAM	18.93	78.16				

LTE Band 13

FCC Part 27									
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted		Radiated (ANT A+B)		Radiated (ANT A)	
				Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
Band 13	782	10	QPSK	**23.89**	**244.91**	19.91	97.95	19.05	80.35
			16QAM	23.22	209.89	18.97	78.89	18.08	64.27
			64QAM	22.11	162.55				
			256QAM	19.01	79.62				
	779.5 ~ 784.5	5	QPSK	23.88	244.34	**19.97**	**99.31**	**19.63**	**91.83**
			16QAM	23.26	211.84	18.80	75.86	18.57	71.94
			64QAM	22.10	162.18				
			256QAM	19.04	80.17				

LTE Band 30 (ANT B)

FCC Part 27							
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted (ANT B)		Radiated (ANT B)	
				Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
Band 30	2310	10	QPSK	22.33	171.00	20.94	124.17
			16QAM	21.66	146.55	20.10	102.33
			64QAM	20.42	110.15		
			256QAM	17.41	55.08		
	2307.5 ~ 2312.5	5	QPSK	**22.41**	**174.18**	**21.54**	**142.56**
			16QAM	21.68	147.23	20.61	115.08
			64QAM	20.59	114.55		
			256QAM	17.59	57.41		

LTE Band 30 (ANT F)

FCC Part 27							
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted (ANT F)		Radiated (ANT F)	
				Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
Band 30	2310	10	QPSK	22.82	191.43		
			16QAM	22.33	171.00		
			64QAM	21.47	140.28		
			256QAM	18.43	69.66		
	2307.5 ~ 2312.5	5	QPSK	**23.00**	**199.53**	**22.00**	**158.49**
			16QAM	22.29	169.43	20.79	119.95
			64QAM	21.48	140.60		
			256QAM	18.48	70.47		

LTE Band 41 (PC2, ANT B)

FCC Part 27							
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted (ANT B)		Radiated (ANT B)	
				Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
Band 41	2506 ~ 2680	20	QPSK	**25.34**	**341.98**	24.23	264.85
			16QAM	24.85	305.49	22.98	198.61
			64QAM	23.63	230.67		
			256QAM	20.59	114.55		
	2503.5 ~ 2682.5	15	QPSK	25.11	324.34	24.32	270.40
			16QAM	24.64	291.07	23.16	207.01
			64QAM	23.65	231.74		
			256QAM	20.39	109.40		
	2501 ~ 2685	10	QPSK	25.27	336.51	24.39	274.79
			16QAM	24.69	294.44	23.47	222.33
			64QAM	23.60	229.09		
			256QAM	20.46	111.17		
	2498.5 ~ 2687.5	5	QPSK	25.27	336.51	**24.41**	**276.06**
			16QAM	24.73	297.17	23.76	237.68
			64QAM	23.59	228.56		
			256QAM	20.47	111.43		

LTE Band 41 (PC2, ANT F)

FCC Part 27							
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted (ANT F)		Radiated (ANT F)	
				Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
Band 41	2506 ~ 2680	20	QPSK	25.42	348.34		
			16QAM	24.83	304.09		
			64QAM	23.64	231.21		
			256QAM	20.47	111.43		
	2503.5 ~ 2682.5	15	QPSK	**25.44**	**349.95**	**24.96**	**313.32**
			16QAM	24.75	298.54	24.37	273.52
			64QAM	23.68	233.35		
			256QAM	20.58	114.29		
	2501 ~ 2685	10	QPSK	25.41	347.54		
			16QAM	24.73	297.17		
			64QAM	23.74	236.59		
			256QAM	20.56	113.76		
	2498.5 ~ 2687.5	5	QPSK	25.40	346.74		
			16QAM	24.85	305.49		
			64QAM	23.77	238.23		
			256QAM	20.49	111.94		

LTE Band 41C (UL CA, ANT B)

Part 27			
EIRP Limit (dBm)	33	ANT Gain (dBi)	-2.4

Frequency Range (MHz)	Bandwidth (MHz)	Modulation	Output Power				Margin
			Conducted Average Power	Antenna Gain	EIRP Average Power		
			(dBm)	dBi	dBm	mW	
2496 ~ 2690	40MHz (20+20)	QPSK	**25.69**	-2.40	**23.29**	**213.30**	-9.71
		16QAM	24.4		22.00	158.49	-11.00
	35MHz (15+20)	QPSK	25.64		23.24	210.86	-9.76
		16QAM	24.31		21.91	155.24	-11.09
	30MHz (15+15)	QPSK	25.60		23.20	208.93	-9.80
		16QAM	24.31		21.91	155.24	-11.09
	25MHz (5+20)	QPSK	**25.69**		**23.29**	**213.30**	-9.71
		16QAM	24.27		21.87	153.82	-11.13

LTE Band 41C (UL CA, ANT F)

Part 27			
EIRP Limit (dBm)	33	ANT Gain (dBi)	-4.6

Frequency Range (MHz)	Bandwidth (MHz)	Modulation	Output Power				Margin
			Conducted Average Power	Antenna Gain	EIRP Average Power		
			(dBm)	dBi	dBm	mW	
2496 ~ 2690	40MHz (20+20)	QPSK	**25.65**	-4.60	**21.05**	**127.35**	-11.95
		16QAM	24.37		19.77	94.84	-13.23
	35MHz (15+20)	QPSK	25.6		21.00	125.89	-12.00
		16QAM	24.23		19.63	91.83	-13.37
	30MHz (15+15)	QPSK	25.46		20.86	121.90	-12.14
		16QAM	24.47		19.87	97.05	-13.13
	25MHz (5+20)	QPSK	25.43		20.83	121.06	-12.17
		16QAM	24.29		19.69	93.11	-13.31

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LTE Band 66 (ANT B)

FCC Part 27							
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted (ANT B)		Radiated (ANT B)	
				Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
Band 66	1720 ~ 1770	20	QPSK	23.61	229.61	24.05	254.10
			16QAM	23.01	199.99	23.62	230.14
			64QAM	21.80	151.36		
			256QAM	18.82	76.21		
	1717.5 ~ 1772.5	15	QPSK	23.77	238.23	24.01	251.77
			16QAM	23.05	201.84	23.18	207.97
			64QAM	21.97	157.40		
			256QAM	18.95	78.52		
	1715 ~ 1775	10	QPSK	**23.90**	**245.47**	23.98	250.03
			16QAM	23.27	212.32	23.37	217.27
			64QAM	22.11	162.55		
			256QAM	19.04	80.17		
	1712.5 ~ 1777.5	5	QPSK	23.77	238.23	**24.08**	**255.86**
			16QAM	23.23	210.38	23.22	209.89
			64QAM	22.12	162.93		
			256QAM	19.12	81.66		
	1711.5 ~ 1778.5	3	QPSK	23.73	236.05	23.97	249.46
			16QAM	23.19	208.45	23.37	217.27
			64QAM	22.13	163.31		
			256QAM	19.09	81.10		
	1710.7 ~ 1779.3	1.4	QPSK	23.68	233.35	23.94	247.74
			16QAM	23.14	206.06	23.19	208.45
			64QAM	22.16	164.44		
			256QAM	19.06	80.54		

LTE Band 66 (ANT F)

FCC Part 27							
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted (ANT F)		Radiated (ANT F)	
				Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
Band 66	1720 ~ 1770	20	QPSK	24.09	256.45		
			16QAM	23.31	214.29		
			64QAM	22.42	174.58		
			256QAM	19.47	88.51		
	1717.5 ~ 1772.5	15	QPSK	24.03	252.93		
			16QAM	23.21	209.41		
			64QAM	22.33	171.00		
			256QAM	19.49	88.92		
	1715 ~ 1775	10	QPSK	24.20	263.03		
			16QAM	23.39	218.27		
			64QAM	22.53	179.06		
			256QAM	19.36	86.30		
	1712.5 ~ 1777.5	5	QPSK	**24.28**	**267.92**	**23.79**	**239.48**
			16QAM	23.45	221.31	23.42	219.61
			64QAM	22.44	175.39		
			256QAM	19.48	88.72		
	1711.5 ~ 1778.5	3	QPSK	24.10	257.04		
			16QAM	23.26	211.84		
			64QAM	22.58	181.13		
			256QAM	19.62	91.62		
	1710.7 ~ 1779.3	1.4	QPSK	24.21	263.63		
			16QAM	23.16	207.01		
			64QAM	22.47	176.60		
			256QAM	19.54	89.95		

LTE Band 66B (UL CA, ANT B)

Part 27			
EIRP Limit (dBm)	33.0	ANT Gain (dBi)	-2.8

Frequency Range (MHz)	Bandwidth (MHz)	Modulation	Output Power				
			Conducted Average Power	Antenna Gain	EIRP Average Power		Margin
			(dBm)	dBi	dBm	mW	
1710 ~ 1780	20MHz (10+10)	QPSK	23.90	-2.80	21.10	128.82	-11.90
		16QAM	23.14		20.34	108.14	-12.66
	15MHz (5+10)	QPSK	23.93		21.13	129.72	-11.87
		16QAM	23.39		20.59	114.55	-12.41
	10MHz (5+5)	QPSK	**24.08**		21.28	134.28	-11.72
		16QAM	23.27		20.47	111.43	-12.53

LTE Band 66B (UL CA, ANT F)

Part 27			
EIRP Limit (dBm)	33.0	ANT Gain (dBi)	-5

Frequency Range (MHz)	Bandwidth (MHz)	Modulation	Output Power				
			Conducted Average Power	Antenna Gain	EIRP Average Power		Margin
			(dBm)	dBi	dBm	mW	
1710 ~ 1780	20MHz (10+10)	QPSK	**24.05**	-5.00	19.05	80.35	-13.95
		16QAM	23.48		18.48	70.47	-14.52
	15MHz (5+10)	QPSK	23.73		18.73	74.64	-14.27
		16QAM	23.38		18.38	68.87	-14.62
	10MHz (5+5)	QPSK	23.67		18.67	73.62	-14.33
		16QAM	23.41		18.41	69.34	-14.59

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LTE Band 66C (UL CA, ANT B)

Part 27			
EIRP Limit (dBm)	33.0	ANT Gain (dBi)	-2.8

Frequency Range (MHz)	Bandwidth (MHz)	Modulation	Output Power				Margin
			Conducted Average Power	Antenna Gain	EIRP Average Power		
			(dBm)	dBi	dBm	mW	
1710 ~ 1780	40MHz (20+20)	QPSK	**23.64**	-2.80	20.84	121.34	-12.16
		16QAM	22.91		20.11	102.57	-12.89
	35MHz (15+20)	QPSK	23.51		20.71	117.76	-12.29
		16QAM	22.84		20.04	100.93	-12.96
	30MHz (15+15)	QPSK	23.63		20.83	121.06	-12.17
		16QAM	22.87		20.07	101.62	-12.93
	25MHz (5+20)	QPSK	23.01		20.21	104.95	-12.79
		16QAM	22.35		19.55	90.16	-13.45

LTE Band 66C (UL CA, ANT F)

Part 27			
EIRP Limit (dBm)	33.0	ANT Gain (dBi)	-5

Frequency Range (MHz)	Bandwidth (MHz)	Modulation	Output Power				Margin
			Conducted Average Power	Antenna Gain	EIRP Average Power		
			(dBm)	dBi	dBm	mW	
1710 ~ 1780	40MHz (20+20)	QPSK	**23.60**	-5.00	18.6	72.44	-14.4
		16QAM	22.75		17.75	59.57	-15.25
	35MHz (15+20)	QPSK	22.96		17.96	62.52	-15.04
		16QAM	22.63		17.63	57.94	-15.37
	30MHz (15+15)	QPSK	22.96		17.96	62.52	-15.04
		16QAM	22.44		17.44	55.46	-15.56
	25MHz (5+20)	QPSK	23.52		18.52	71.12	-14.48
		16QAM	23.34		18.34	68.23	-14.66

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LTE Band 71

FCC Part 27									
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted		Radiated (ANT A+B)		Radiated (ANT A)	
				Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
Band 71	673.0 ~ 688.0	20	QPSK	24.08	255.86	17.33	54.08	18.21	66.22
			16QAM	23.40	218.78	16.48	44.46	17.55	56.89
			64QAM	22.24	167.49				
			256QAM	19.26	84.33				
	670.5 ~ 690.5	15	QPSK	24.26	266.69	17.43	55.34	18.19	65.92
			16QAM	23.52	224.91	16.50	44.67	17.55	56.89
			64QAM	22.36	172.19				
			256QAM	19.34	85.90				
	668.0 ~ 693.0	10	QPSK	**24.40**	**275.42**	**17.70**	**58.88**	18.72	74.47
			16QAM	23.76	237.68	16.72	46.99	17.72	59.16
			64QAM	22.52	178.65				
			256QAM	19.38	86.70				
	665.5 ~ 695.5	5	QPSK	**24.40**	**275.42**	17.69	58.75	**18.75**	**74.99**
			16QAM	23.81	240.44	16.62	45.92	17.66	58.34
			64QAM	22.52	178.65				
			256QAM	19.58	90.78				

NR Band n7 (ANT B)

FCC Part 27								
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted (ANT B)		Radiated (ANT B)	
					Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n7	2520.0 ~ 2550.0	40	DFT-s OFDM	π/2 BPSK	23.24	210.86		
				QPSK	23.33	215.28	22.56	180.30
				16QAM	22.41	174.18	21.51	141.58
				64QAM	21.14	130.02		
				256QAM	18.53	71.29		
			CP-OFDM	QPSK	21.94	156.31		
	2515.0 ~ 2555.0	30	DFT-s OFDM	π/2 BPSK	23.38	217.77		
				QPSK	23.44	220.80	**22.81**	**190.99**
				16QAM	22.45	175.79	21.97	157.40
				64QAM	21.08	128.23		
				256QAM	18.47	70.31		
			CP-OFDM	QPSK	21.92	155.60		
	2512.5 ~ 2557.5	25	DFT-s OFDM	π/2 BPSK	23.24	210.86		
				QPSK	23.21	209.41	22.74	187.93
				16QAM	22.40	173.78	21.76	149.97
				64QAM	21.00	125.89		
				256QAM	18.75	74.99		
			CP-OFDM	QPSK	21.82	152.05		
	2510.0 ~ 2560.0	20	DFT-s OFDM	π/2 BPSK	23.36	216.77		
				QPSK	23.36	216.77	22.59	181.55
				16QAM	22.18	165.20	21.70	147.91
				64QAM	21.06	127.64		
				256QAM	18.43	69.66		
			CP-OFDM	QPSK	21.76	149.97		
	2507.5 ~ 2562.5	15	DFT-s OFDM	π/2 BPSK	**23.45**	**221.31**		
				QPSK	**23.45**	**221.31**	22.41	174.18
				16QAM	22.28	169.04	21.46	139.96
				64QAM	20.99	125.60		
				256QAM	18.29	67.45		
			CP-OFDM	QPSK	21.81	151.71		
	2505.0 ~ 2565.0	10	DFT-s OFDM	π/2 BPSK	23.18	207.97		
				QPSK	23.23	210.38	22.64	183.65
				16QAM	22.08	161.44	21.60	144.54
				64QAM	21.03	126.77		
				256QAM	18.34	68.23		
			CP-OFDM	QPSK	21.57	143.55		
	2502.5 ~ 2567.5	5	DFT-s OFDM	π/2 BPSK	23.26	211.84		
				QPSK	23.18	207.97	22.15	164.06
				16QAM	22.12	162.93	21.20	131.83
				64QAM	20.97	125.03		
				256QAM	18.16	65.46		
			CP-OFDM	QPSK	21.59	144.21		

NR Band n7 (ANT F)

FCC Part 27								
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted (ANT F)		Radiated (ANT F)	
					Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n7	2520.0 ~ 2550.0	40	DFT-s OFDM	π/2 BPSK	23.65	231.74		
				QPSK	**23.76**	**237.68**	**22.01**	**158.83**
				16QAM	22.88	194.09	20.83	121.04
				64QAM	21.32	135.52		
				256QAM	18.33	68.08		
			CP-OFDM	QPSK	22.18	165.20		
	2515.0 ~ 2555.0	30	DFT-s OFDM	π/2 BPSK	23.49	223.36		
				QPSK	23.56	226.99		
				16QAM	22.53	179.06		
				64QAM	21.27	133.97		
				256QAM	18.58	72.11		
			CP-OFDM	QPSK	22.10	162.18		
	2512.5 ~ 2557.5	25	DFT-s OFDM	π/2 BPSK	23.35	216.27		
				QPSK	23.44	220.80		
				16QAM	22.35	171.79		
				64QAM	21.04	127.06		
				256QAM	18.80	75.86		
			CP-OFDM	QPSK	21.89	154.53		
	2510.0 ~ 2560.0	20	DFT-s OFDM	π/2 BPSK	23.60	229.09		
				QPSK	23.57	227.51		
				16QAM	22.34	171.40		
				64QAM	21.00	125.89		
				256QAM	18.38	68.87		
			CP-OFDM	QPSK	21.81	151.71		
	2507.5 ~ 2562.5	15	DFT-s OFDM	π/2 BPSK	23.45	221.31		
				QPSK	23.55	226.46		
				16QAM	22.36	172.19		
				64QAM	21.07	127.94		
				256QAM	18.37	68.71		
			CP-OFDM	QPSK	21.88	154.17		
	2505.0 ~ 2565.0	10	DFT-s OFDM	π/2 BPSK	23.45	221.31		
				QPSK	23.42	219.79		
				16QAM	22.33	171.00		
				64QAM	21.09	128.53		
				256QAM	18.38	68.87		
			CP-OFDM	QPSK	21.79	151.01		
	2502.5 ~ 2567.5	5	DFT-s OFDM	π/2 BPSK	23.43	220.29		
				QPSK	23.47	222.33		
				16QAM	22.42	174.58		
				64QAM	21.10	128.82		
				256QAM	18.46	70.15		
			CP-OFDM	QPSK	21.92	155.60		

NR Band n12

FCC Part 27											
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted		Radiated (ANT A+B)		Radiated (ANT A)	
					Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n12	706.5 ~ 708.5	15	DFT-s OFDM	π/2 BPSK	24.49	281.19				
				QPSK	**24.57**	**286.42**	**17.66**	**58.34**	**19.02**	**79.80**
				16QAM	23.59	228.56	16.67	46.45	17.85	60.95
				64QAM	22.25	167.88				
				256QAM	19.64	92.04				
			CP-OFDM	QPSK	22.85	192.75				
	704 ~ 711	10	DFT-s OFDM	π/2 BPSK	24.38	274.16				
				QPSK	24.47	279.90	17.59	57.41	18.95	78.52
				16QAM	23.39	218.27	16.48	44.46	18.07	64.12
				64QAM	22.10	162.18				
				256QAM	19.42	87.50				
			CP-OFDM	QPSK	22.40	173.78				
	701.5 ~ 713.5	5	DFT-s OFDM	π/2 BPSK	24.44	277.97				
				QPSK	**24.57**	**286.42**	17.49	56.10	18.78	75.51
				16QAM	23.46	221.82	16.58	45.50	17.53	56.62
				64QAM	22.10	162.18				
				256QAM	19.46	88.31				
			CP-OFDM	QPSK	23.20	208.93				

NR Band n30 (ANT B)

FCC Part 27								
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted (ANT B)		Radiated (ANT B)	
					Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n30	2310	10	DFT-s OFDM	π/2 BPSK	22.78	189.67		
				QPSK	**22.85**	**192.75**	**21.05**	**127.35**
				16QAM	21.18	131.22	19.87	97.05
				64QAM	20.00	100.00		
				256QAM	17.85	60.95		
			CP-OFDM	QPSK	21.45	139.64		
	2307.5 ~ 2312.5	5	DFT-s OFDM	π/2 BPSK	22.66	184.50		
				QPSK	22.59	181.55	20.73	118.30
				16QAM	21.73	148.94	19.80	95.50
				64QAM	20.30	107.15		
				256QAM	17.74	59.43		
			CP-OFDM	QPSK	21.31	135.21		

NR Band n30 (ANT F)

FCC Part 27								
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted (ANT F)		Radiated (ANT F)	
					Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n30	2310	10	DFT-s OFDM	π/2 BPSK	22.73	187.50		
				QPSK	**22.84**	**192.31**	**20.07**	**101.62**
				16QAM	21.91	155.24	19.06	80.54
				64QAM	20.45	110.92		
				256QAM	17.66	58.34		
			CP-OFDM	QPSK	21.30	134.90		
	2307.5 ~ 2312.5	5	DFT-s OFDM	π/2 BPSK	22.75	188.36		
				QPSK	22.77	189.23		
				16QAM	21.79	151.01		
				64QAM	20.52	112.72		
				256QAM	17.76	59.70		
			CP-OFDM	QPSK	21.35	136.46		

NR Band n41 (PC2, ANT B)

FCC Part 27								
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted		Radiated (ANT B)	
					Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n41	2546.01 ~ 2640	100	DFT-s OFDM	π/2 BPSK	25.22	332.66		
				QPSK	25.35	343.00	23.33	215.28
				16QAM	24.56	285.76	22.81	190.99
				64QAM	22.34	171.49		
				256QAM	20.62	115.29		
			CP-OFDM	QPSK	23.41	219.19		
	2541 ~ 2644.98	90	DFT-s OFDM	π/2 BPSK	25.76	376.70		
				QPSK	25.64	366.60	23.09	203.70
				16QAM	24.81	302.61	22.57	180.72
				64QAM	22.97	198.31		
				256QAM	21.05	127.29		
			CP-OFDM	QPSK	24.05	254.27		
	2536.02 ~ 2649.99	80	DFT-s OFDM	π/2 BPSK	25.78	378.44		
				QPSK	25.65	366.96	22.67	184.93
				16QAM	24.87	306.92	22.08	161.44
				64QAM	22.85	192.74		
				256QAM	21.04	127.12		
			CP-OFDM	QPSK	24.07	255.32		
	2531.02 ~ 2654.98	70	DFT-s OFDM	π/2 BPSK	25.70	371.54		
				QPSK	25.68	369.63	23.22	209.89
				16QAM	24.87	306.79	21.46	139.96
				64QAM	23.04	201.44		
				256QAM	21.16	130.49		
			CP-OFDM	QPSK	24.10	257.31		
	2526 ~ 2659.98	60	DFT-s OFDM	π/2 BPSK	25.92	390.84		
				QPSK	**25.97**	**395.37**	23.41	219.28
				16QAM	24.98	314.71	22.89	194.54
				64QAM	23.17	207.30		
				256QAM	21.36	136.92		
			CP-OFDM	QPSK	24.12	258.36		
	2521.01 ~ 2665	50	DFT-s OFDM	π/2 BPSK	25.92	390.84		
				QPSK	25.76	376.38	22.54	179.47
				16QAM	24.87	306.90	23.18	207.97
				64QAM	23.14	206.15		
				256QAM	21.15	130.29		
			CP-OFDM	QPSK	24.04	253.48		
	2516.01 ~ 2670	40	DFT-s OFDM	π/2 BPSK	25.95	393.55		
				QPSK	25.71	372.76	23.24	210.86
				16QAM	24.95	312.93	22.56	180.30
				64QAM	23.27	212.19		
				256QAM	21.43	138.93		
			CP-OFDM	QPSK	24.03	252.95		
	2511 ~ 2675	30	DFT-s OFDM	π/2 BPSK	25.84	383.71		
				QPSK	25.89	387.80	**24.00**	**251.19**
				16QAM	24.80	301.92	23.41	219.28
				64QAM	23.01	199.97		
				256QAM	20.87	122.32		
			CP-OFDM	QPSK	23.93	247.08		
	2506.02 ~ 2679.99	20	DFT-s OFDM	π/2 BPSK	25.62	364.75		
				QPSK	25.74	375.29	23.69	233.88
				16QAM	24.61	289.32	22.96	197.70
				64QAM	23.20	209.00		
				256QAM	21.13	129.72		
			CP-OFDM	QPSK	23.78	238.80		

n41	2503.5 ~ 2682.48	15	DFT-s OFDM	π/2 BPSK	25.86	385.48		
				QPSK	25.74	375.10	23.64	231.21
				16QAM	24.71	295.75	23.02	200.45
				64QAM	22.70	186.18		
				256QAM	21.42	138.81		
			CP-OFDM	QPSK	24.16	260.37		
	2501.01 ~ 2685	10	DFT-s OFDM	π/2 BPSK	25.77	377.57		
				QPSK	25.63	365.18	23.85	242.66
				16QAM	24.73	297.13	23.38	217.77
				64QAM	22.85	192.57		
				256QAM	21.02	126.44		
			CP-OFDM	QPSK	24.05	254.17		

NR Band n41 (PC2, SRS1)

FCC Part 27						
Band	Frequency Range [MHz]	BandWidth [MHz]	Conducted		Radiated (ANT F)	
			Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n41	2546.01 ~ 2640.00	100	22.80	190.55		
	2541.00 ~ 2644.98	90	22.73	187.50		
	2536.02 ~ 2649.99	80	22.56	180.30		
	2531.02 ~ 2654.98	70	22.49	177.42		
	2526.00 ~ 2659.98	60	22.71	186.64		
	2521.01 ~ 2665.00	50	22.81	190.99		
	2516.01 ~ 2670.00	40	**22.91**	**195.43**	20.04	100.93
	2511.00 ~ 2675.00	30	22.88	194.09		
	2506.02 ~ 2679.99	20	22.81	190.99		
	2503.5 ~ 2682.48	15	22.86	193.20		
	2501.01 ~ 2685.00	10	22.79	190.11		

NR Band n41 (PC2, SRS2)

FCC Part 27						
Band	Frequency Range [MHz]	BandWidth [MHz]	Conducted		Radiated (ANT C)	
			Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n41	2546.01 ~ 2640.00	100	21.84	152.76		
	2541.00 ~ 2644.98	90	22.20	165.96		
	2536.02 ~ 2649.99	80	22.15	164.06		
	2531.02 ~ 2654.98	70	21.86	153.46		
	2526.00 ~ 2659.98	60	21.93	155.96		
	2521.01 ~ 2665.00	50	21.87	153.82		
	2516.01 ~ 2670.00	40	21.70	147.91		
	2511.00 ~ 2675.00	30	22.00	158.49		
	2506.02 ~ 2679.99	20	22.10	162.18		
	2503.5 ~ 2682.48	15	22.02	159.22		
	2501.01 ~ 2685.00	10	**22.24**	**167.49**	14.41	27.61

NR Band n41 (PC2, SRS3)

FCC Part 27						
Band	Frequency Range [MHz]	BandWidth [MHz]	Conducted		Radiated (ANT H)	
			Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n41	2546.01 ~ 2640.00	100	14.87	30.69		
	2541.00 ~ 2644.98	90	14.98	31.48		
	2536.02 ~ 2649.99	80	14.99	31.55		
	2531.02 ~ 2654.98	70	15.20	33.11		
	2526.00 ~ 2659.98	60	15.18	32.96		
	2521.01 ~ 2665.00	50	14.86	30.62		
	2516.01 ~ 2670.00	40	15.56	35.97		
	2511.00 ~ 2675.00	30	**15.57**	**36.06**	12.41	17.42
	2506.02 ~ 2679.99	20	15.53	35.73		
	2503.5 ~ 2682.48	15	15.54	35.81		
	2501.01 ~ 2685.00	10	**15.57**	**36.06**		

NR Band n41 (PC2, ANT F)

FCC Part 27								
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted		Radiated (ANT F)	
					Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n41	2546.01 ~ 2640	100	DFT-s OFDM	π/2 BPSK	26.48	444.63		
				QPSK	26.49	445.66	24.76	299.23
				16QAM	25.45	350.75	24.07	255.27
				64QAM	23.97	249.46		
				256QAM	21.68	147.23		
			CP-OFDM	QPSK	24.87	306.90		
	2541 ~ 2644.98	90	DFT-s OFDM	π/2 BPSK	26.48	444.63		
				QPSK	26.49	445.66	25.11	324.34
				16QAM	25.30	338.84	24.83	304.09
				64QAM	23.94	247.74		
				256QAM	21.79	151.01		
			CP-OFDM	QPSK	24.85	305.49		
	2536.02 ~ 2649.99	80	DFT-s OFDM	π/2 BPSK	26.54	450.82		
				QPSK	26.55	451.86	24.14	259.42
				16QAM	25.51	355.63	23.59	228.56
				64QAM	24.03	252.93		
				256QAM	21.80	151.36		
			CP-OFDM	QPSK	25.04	319.15		
	2531.02 ~ 2654.98	70	DFT-s OFDM	π/2 BPSK	26.50	446.68		
				QPSK	26.51	447.71	24.87	306.90
				16QAM	25.70	371.54	24.51	282.49
				64QAM	24.06	254.68		
				256QAM	21.87	153.82		
			CP-OFDM	QPSK	25.06	320.63		
	2526 ~ 2659.98	60	DFT-s OFDM	π/2 BPSK	26.70	467.74		
				QPSK	**26.77**	**475.34**	24.75	298.54
				16QAM	25.55	358.92	24.37	273.53
				64QAM	24.17	261.22		
				256QAM	21.92	155.60		
			CP-OFDM	QPSK	24.84	304.79		
	2521.01 ~ 2665	50	DFT-s OFDM	π/2 BPSK	26.70	467.74		
				QPSK	26.72	469.89	24.87	306.90
				16QAM	25.19	330.37	24.37	273.53
				64QAM	24.17	261.22		
				256QAM	21.90	154.88		
			CP-OFDM	QPSK	25.02	317.69		
	2516.01 ~ 2670	40	DFT-s OFDM	π/2 BPSK	26.71	468.81		
				QPSK	26.74	472.06	25.02	317.69
				16QAM	24.81	302.69	24.38	274.16
				64QAM	23.96	248.89		
				256QAM	21.93	155.96		
			CP-OFDM	QPSK	24.73	297.17		
	2511 ~ 2675	30	DFT-s OFDM	π/2 BPSK	26.66	463.45		
				QPSK	26.74	472.06	25.02	317.69
				16QAM	24.76	299.23	24.32	270.40
				64QAM	23.90	245.47		
				256QAM	21.75	149.62		
			CP-OFDM	QPSK	25.05	319.89		

n41	2506.02 ~ 2679.99	20	DFT-s OFDM	π/2 BPSK	26.45	441.57		
				QPSK	26.49	445.66	24.92	310.46
				16QAM	25.13	325.84	24.30	269.15
				64QAM	24.08	255.86		
				256QAM	21.89	154.53		
			CP-OFDM	QPSK	25.10	323.59		
	2503.5 ~ 2682.48	15	DFT-s OFDM	π/2 BPSK	26.59	456.04		
				QPSK	26.60	457.09	24.95	312.61
				16QAM	25.04	319.15	24.37	273.53
				64QAM	24.08	255.86		
				256QAM	21.82	152.05		
			CP-OFDM	QPSK	24.99	315.50		
	2501.01 ~ 2685	10	DFT-s OFDM	π/2 BPSK	26.41	437.52		
				QPSK	26.43	439.54	**25.15**	**327.34**
				16QAM	25.26	335.74	24.54	284.45
				64QAM	23.97	249.46		
				256QAM	21.73	148.94		
			CP-OFDM	QPSK	24.28	267.92		

NR Band n41 (PC2, Upper, SRS1)

FCC Part 27						
Band	Frequency Range [MHz]	BandWidth [MHz]	Conducted		Radiated (ANT B)	
			Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n41	2546.01 ~ 2640.00	100	22.82	191.43		
	2541.00 ~ 2644.98	90	22.91	195.43		
	2536.02 ~ 2649.99	80	22.72	187.07		
	2531.02 ~ 2654.98	70	22.65	184.08		
	2526.00 ~ 2659.98	60	22.69	185.78		
	2521.01 ~ 2665.00	50	22.89	194.54		
	2516.01 ~ 2670.00	40	22.92	195.88		
	2511.00 ~ 2675.00	30	22.88	194.09		
	2506.02 ~ 2679.99	20	22.86	193.20		
	2503.5 ~ 2682.48	15	**22.96**	**197.70**	20.27	106.41
	2501.01 ~ 2685.00	10	22.72	187.07		

NR Band n41 (PC2, Upper, SRS2)

FCC Part 27						
Band	Frequency Range [MHz]	BandWidth [MHz]	Conducted		Radiated (ANT C)	
			Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n41	2546.01 ~ 2640.00	100	17.04	50.58		
	2541.00 ~ 2644.98	90	17.13	51.64		
	2536.02 ~ 2649.99	80	17.14	51.76		
	2531.02 ~ 2654.98	70	17.38	54.70		
	2526.00 ~ 2659.98	60	17.37	54.58		
	2521.01 ~ 2665.00	50	17.25	53.09		
	2516.01 ~ 2670.00	40	17.30	53.70		
	2511.00 ~ 2675.00	30	**17.75**	**59.57**	13.17	20.75
	2506.02 ~ 2679.99	20	17.67	58.48		
	2503.5 ~ 2682.48	15	17.59	57.41		
	2501.01 ~ 2685.00	10	17.46	55.72		

NR Band n41 (PC2, Upper, SRS3)

FCC Part 27						
Band	Frequency Range [MHz]	BandWidth [MHz]	Conducted		Radiated (ANT H)	
			Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n41	2546.01 ~ 2640.00	100	19.71	93.54		
	2541.00 ~ 2644.98	90	19.61	91.41		
	2536.02 ~ 2649.99	80	**19.76**	**94.62**	12.45	17.58
	2531.02 ~ 2654.98	70	19.60	91.20		
	2526.00 ~ 2659.98	60	19.73	93.97		
	2521.01 ~ 2665.00	50	19.72	93.76		
	2516.01 ~ 2670.00	40	19.63	91.83		
	2511.00 ~ 2675.00	30	19.52	89.54		
	2506.02 ~ 2679.99	20	19.40	87.10		
	2503.5 ~ 2682.48	15	19.38	86.70		
	2501.01 ~ 2685.00	10	19.30	85.11		

NR Band n66 (ANT B)

FCC Part 27								
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted (ANT B)		Radiated (ANT B)	
					Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n66	1730.0 ~ 1760.0	40	DFT-s OFDM	π/2 BPSK	23.62	230.14		
				QPSK	23.68	233.35	22.92	195.88
				16QAM	22.65	184.08	21.64	145.88
				64QAM	21.15	130.32		
				256QAM	18.50	70.79		
			CP-OFDM	QPSK	22.00	158.49		
	1725.0 ~ 1765.0	30	DFT-s OFDM	π/2 BPSK	23.63	230.67		
				QPSK	23.72	235.50	23.28	212.81
				16QAM	22.58	181.13	22.46	176.20
				64QAM	21.21	132.13		
				256QAM	18.59	72.28		
			CP-OFDM	QPSK	22.03	159.59		
	1722.5 ~ 1767.5	25	DFT-s OFDM	π/2 BPSK	23.64	231.21		
				QPSK	**23.80**	**239.88**	22.65	184.08
				16QAM	22.75	188.36	21.76	149.97
				64QAM	21.38	137.40		
				256QAM	18.70	74.13		
			CP-OFDM	QPSK	22.23	167.11		
	1720.0 ~ 1770.0	20	DFT-s OFDM	π/2 BPSK	23.63	230.67		
				QPSK	23.66	232.27	23.10	204.17
				16QAM	22.66	184.50	22.19	165.58
				64QAM	21.25	133.35		
				256QAM	18.60	72.44		
			CP-OFDM	QPSK	22.06	160.69		
	1717.5 ~ 1772.5	15	DFT-s OFDM	π/2 BPSK	23.68	233.35		
				QPSK	23.73	236.05	22.72	187.07
				16QAM	22.60	181.97	22.07	161.06
				64QAM	21.28	134.28		
				256QAM	18.58	72.11		
			CP-OFDM	QPSK	21.98	157.76		
	1715.0 ~ 1775.0	10	DFT-s OFDM	π/2 BPSK	23.53	225.42		
				QPSK	23.68	233.35	**23.49**	**223.36**
				16QAM	22.64	183.65	22.72	187.07
				64QAM	21.29	134.59		
				256QAM	18.47	70.31		
			CP-OFDM	QPSK	21.82	152.05		
	1712.5 ~ 1777.5	5	DFT-s OFDM	π/2 BPSK	23.55	226.46		
				QPSK	23.54	225.94	23.06	202.30
				16QAM	22.49	177.42	22.20	165.96
				64QAM	21.22	132.43		
				256QAM	18.25	66.83		
			CP-OFDM	QPSK	21.86	153.46		

NR Band n66 (ANT F)

FCC Part 27								
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted (ANT F)		Radiated (ANT F)	
					Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n66	1730.0 ~ 1760.0	40	DFT-s OFDM	π/2 BPSK	23.31	214.29		
				QPSK	23.38	217.77		
				16QAM	22.37	172.58		
				64QAM	20.98	125.31		
				256QAM	18.78	75.51		
			CP-OFDM	QPSK	21.77	150.31		
	1725.0 ~ 1765.0	30	DFT-s OFDM	π/2 BPSK	23.34	215.77		
				QPSK	23.42	219.79		
				16QAM	22.31	170.22		
				64QAM	20.99	125.60		
				256QAM	18.27	67.14		
			CP-OFDM	QPSK	21.79	151.01		
	1722.5 ~ 1767.5	25	DFT-s OFDM	π/2 BPSK	23.28	212.81		
				QPSK	**23.47**	**222.33**	**22.40**	**173.78**
				16QAM	22.34	171.40	21.53	142.23
				64QAM	21.06	127.64		
				256QAM	18.34	68.23		
			CP-OFDM	QPSK	21.86	153.46		
	1720.0 ~ 1770.0	20	DFT-s OFDM	π/2 BPSK	23.17	207.49		
				QPSK	23.24	210.86		
				16QAM	22.23	167.11		
				64QAM	20.86	121.90		
				256QAM	18.13	65.01		
			CP-OFDM	QPSK	21.69	147.57		
	1717.5 ~ 1772.5	15	DFT-s OFDM	π/2 BPSK	23.17	207.49		
				QPSK	23.31	214.29		
				16QAM	22.26	168.27		
				64QAM	20.97	125.03		
				256QAM	18.26	66.99		
			CP-OFDM	QPSK	22.09	161.81		
	1715.0 ~ 1775.0	10	DFT-s OFDM	π/2 BPSK	23.32	214.78		
				QPSK	23.34	215.77		
				16QAM	22.34	171.40		
				64QAM	20.90	123.03		
				256QAM	18.23	66.53		
			CP-OFDM	QPSK	21.74	149.28		
	1712.5 ~ 1777.5	5	DFT-s OFDM	π/2 BPSK	23.19	208.45		
				QPSK	23.23	210.38		
				16QAM	22.24	167.49		
				64QAM	20.90	123.03		
				256QAM	18.19	65.92		
			CP-OFDM	QPSK	21.69	147.57		

NR Band n71

FCC Part 27										
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted		Radiated (ANT A+B)		Radiated (ANT A)	
					Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n71	673.0 ~ 688.0	20	DFT-s OFDM	π/2 BPSK	24.76	299.23				
				QPSK	24.95	312.61	16.91	49.09	17.32	53.95
				16QAM	23.97	249.46	16.20	41.69	16.23	41.98
				64QAM	22.61	182.39				
				256QAM	19.85	96.61				
			CP-OFDM	QPSK	23.35	216.27				
	670.5 ~ 690.5	15	DFT-s OFDM	π/2 BPSK	24.82	303.39				
				QPSK	24.96	313.33	**17.18**	**52.24**	17.57	57.15
				16QAM	24.00	251.19	16.19	41.59	16.46	44.26
				64QAM	22.63	183.23				
				256QAM	19.94	98.63				
			CP-OFDM	QPSK	23.35	216.27				
	668.0 ~ 693.0	10	DFT-s OFDM	π/2 BPSK	24.96	313.33				
				QPSK	24.98	314.77	16.94	49.43	18.45	69.98
				16QAM	23.89	244.91	15.97	39.54	16.90	48.98
				64QAM	22.68	185.35				
				256QAM	19.94	98.63				
			CP-OFDM	QPSK	22.97	198.15				
	665.5 ~ 695.5	5	DFT-s OFDM	π/2 BPSK	24.92	310.46				
				QPSK	**25.02**	**317.69**	17.09	51.17	**18.73**	**74.64**
				16QAM	23.99	250.61	16.35	43.15	17.77	59.84
				64QAM	22.73	187.50				
				256QAM	19.95	98.86				
			CP-OFDM	QPSK	23.39	218.27				

NR Band n77(PC2, 3450-3550 MHz)

FCC Part 27								
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted		Radiated (ANT F)	
					Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n77	3499.98	100	DFT-s OFDM	π/2 BPSK	26.63	459.87		
				QPSK	26.61	458.66	24.66	292.42
				16QAM	25.71	372.40	23.75	237.14
				64QAM	23.93	247.14		
				256QAM	21.72	148.59		
			CP-OFDM	QPSK	24.79	301.57		
	3495.00 ~ 3504.99	90	DFT-s OFDM	π/2 BPSK	26.92	491.98		
				QPSK	26.93	493.51	24.99	315.50
				16QAM	25.75	376.15	24.16	260.62
				64QAM	24.19	262.23		
				256QAM	21.79	150.93		
			CP-OFDM	QPSK	24.97	313.93		
	3490.02 ~ 3510.0	80	DFT-s OFDM	π/2 BPSK	26.95	495.03		
				QPSK	**26.95**	**495.45**	25.00	316.23
				16QAM	25.91	390.14	24.05	254.10
				64QAM	24.30	268.99		
				256QAM	22.02	159.07		
			CP-OFDM	QPSK	25.19	330.58		
	3485.01 ~ 3514.98	70	DFT-s OFDM	π/2 BPSK	26.86	484.84		
				QPSK	26.85	484.22	24.99	315.50
				16QAM	25.97	395.58	24.11	257.63
				64QAM	24.47	280.21		
				256QAM	22.46	176.20		
			CP-OFDM	QPSK	25.22	332.60		
	3480.00 ~ 3519.99	60	DFT-s OFDM	π/2 BPSK	26.85	483.73		
				QPSK	26.87	486.34	25.32	340.41
				16QAM	25.76	376.67	24.39	274.79
				64QAM	24.28	267.93		
				256QAM	22.26	168.27		
			CP-OFDM	QPSK	25.29	337.80		
	3475.02 ~ 3525.00	50	DFT-s OFDM	π/2 BPSK	26.79	477.40		
				QPSK	26.84	482.93	25.26	335.74
				16QAM	25.88	387.26	24.37	273.53
				64QAM	24.22	264.24		
				256QAM	22.23	167.11		
			CP-OFDM	QPSK	25.23	333.43		
	3470.01 ~ 3529.98	40	DFT-s OFDM	π/2 BPSK	26.70	467.71		
				QPSK	26.58	454.94	**25.51**	**355.63**
				16QAM	25.38	345.40	24.56	285.76
				64QAM	24.15	260.13		
				256QAM	22.48	177.01		
			CP-OFDM	QPSK	25.00	316.01		
	3465.00 ~ 3535.02	30	DFT-s OFDM	π/2 BPSK	26.49	446.16		
				QPSK	26.51	448.19	25.40	346.74
				16QAM	25.36	343.37	24.52	283.14
				64QAM	24.19	262.61		
				256QAM	22.00	158.49		
			CP-OFDM	QPSK	25.11	324.16		

n77	3460.02 ~ 3540.00	20	DFT-s OFDM	π/2 BPSK	26.46	442.54		
				QPSK	26.49	445.24	25.18	329.61
				16QAM	25.39	345.91	24.39	274.79
				64QAM	24.12	258.29		
				256QAM	22.06	160.69		
			CP-OFDM	QPSK	25.07	321.72		
	3457.50 ~ 3542.49	15	DFT-s OFDM	π/2 BPSK	26.47	443.12		
				QPSK	26.47	444.02	25.36	343.56
				16QAM	25.33	340.86	24.54	284.45
				64QAM	23.96	248.88		
				256QAM	22.03	159.59		
			CP-OFDM	QPSK	24.89	308.00		
	3455.01 ~ 3544.98	10	DFT-s OFDM	π/2 BPSK	26.36	432.92		
				QPSK	26.39	435.45	25.12	325.09
				16QAM	25.76	376.41	24.31	269.77
				64QAM	24.20	263.03		
				256QAM	21.80	151.36		
			CP-OFDM	QPSK	25.39	345.94		

NR Band n77(PC2, 3450-3550 MHz, SRS1)

FCC Part 27						
Band	Frequency Range [MHz]	BandWidth [MHz]	Conducted		Radiated (ANT D)	
			Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n77	3499.98	100	17.21	52.60		
	3495.00 ~ 3504.99	90	17.29	53.58		
	3490.02 ~ 3510.00	80	17.27	53.33		
	3485.01 ~ 3514.98	70	17.26	53.21		
	3480.00 ~ 3519.99	60	17.25	53.09		
	3475.02 ~ 3525.00	50	17.26	53.21		
	3470.01 ~ 3529.98	40	**17.57**	**57.15**	18.21	66.22
	3465.00 ~ 3535.02	30	17.55	56.89		
	3460.02 ~ 3540.00	20	17.45	55.59		
	3457.50 ~ 3542.49	15	17.43	55.34		
	3455.01 ~ 3549.99	10	17.32	53.95		

NR Band n77(PC2, 3450-3550 MHz, SRS2)

FCC Part 27						
Band	Frequency Range [MHz]	BandWidth [MHz]	Conducted		Radiated (ANT G)	
			Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n77	3499.98	100	**22.27**	**168.66**		
	3495.00 ~ 3504.99	90	22.04	159.96		
	3490.02 ~ 3510.00	80	22.15	164.06		
	3485.01 ~ 3514.98	70	22.09	161.81		
	3480.00 ~ 3519.99	60	21.95	156.68		
	3475.02 ~ 3525.00	50	22.00	158.49		
	3470.01 ~ 3529.98	40	22.21	166.34		
	3465.00 ~ 3535.02	30	22.21	166.34		
	3460.02 ~ 3540.00	20	22.26	168.27		
	3457.50 ~ 3542.49	15	**22.27**	**168.66**	22.58	181.13
	3455.01 ~ 3549.99	10	22.19	165.58		

NR Band n77(PC2, 3450-3550 MHz, SRS3)

FCC Part 27						
Band	Frequency Range [MHz]	BandWidth [MHz]	Conducted		Radiated (ANT A)	
			Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n77	3499.98	100	16.98	49.89		
	3495.00 ~ 3504.99	90	17.25	53.11		
	3490.02 ~ 3510.00	80	17.29	53.60		
	3485.01 ~ 3514.98	70	17.30	53.73		
	3480.00 ~ 3519.99	60	17.57	57.17		
	3475.02 ~ 3525.00	50	17.52	56.52		
	3470.01 ~ 3529.98	40	**17.91**	**61.83**	19.12	81.66
	3465.00 ~ 3535.02	30	17.90	61.69		
	3460.02 ~ 3540.00	20	17.87	61.26		
	3457.50 ~ 3542.49	15	17.87	61.26		
	3455.01 ~ 3549.99	10	17.65	58.24		

NR Band n77(PC2, 3700-3980 MHz)

FCC Part 27								
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted		Radiated (ANT F)	
					Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n77	3750.0 ~ 3930.0	100	DFT-s OFDM	π/2 BPSK	26.93	493.51		
				QPSK	26.95	495.12	22.57	180.60
				16QAM	25.95	393.78	21.70	148.02
				64QAM	24.29	268.62		
				256QAM	22.32	170.61		
			CP-OFDM	QPSK	25.38	345.47		
	3745.02 ~ 3934.98	90	DFT-s OFDM	π/2 BPSK	26.95	494.93		
				QPSK	26.94	494.31	22.01	158.77
				16QAM	25.84	383.85	21.06	127.72
				64QAM	24.36	272.80		
				256QAM	22.43	174.83		
			CP-OFDM	QPSK	25.26	335.67		
	3740.01 ~ 3939.99	80	DFT-s OFDM	π/2 BPSK	26.93	493.60		
				QPSK	26.93	493.07	22.19	165.62
				16QAM	25.84	383.39	21.17	131.04
				64QAM	24.44	277.78		
				256QAM	22.24	167.61		
			CP-OFDM	QPSK	25.37	344.14		
	3735.02 ~ 3944.98	70	DFT-s OFDM	π/2 BPSK	26.95	495.03		
				QPSK	26.96	497.05	22.15	164.07
				16QAM	25.98	396.39	21.24	133.12
				64QAM	24.32	270.41		
				256QAM	22.16	164.48		
			CP-OFDM	QPSK	25.25	334.74		
	3730.02 ~ 3949.98	60	DFT-s OFDM	π/2 BPSK	26.94	494.87		
				QPSK	26.95	495.14	22.26	168.14
				16QAM	25.91	389.65	21.31	135.11
				64QAM	24.30	269.18		
				256QAM	22.19	165.58		
			CP-OFDM	QPSK	25.29	338.35		
	3725.01 ~ 3954.99	50	DFT-s OFDM	π/2 BPSK	26.97	497.74		
				QPSK	**27.00**	**500.67**	22.38	173.08
				16QAM	25.96	394.02	21.42	138.82
				64QAM	24.34	271.64		
				256QAM	22.24	167.49		
			CP-OFDM	QPSK	25.10	323.59		
	3720.02 ~ 3960.0	40	DFT-s OFDM	π/2 BPSK	26.84	483.06		
				QPSK	26.84	483.12	22.61	182.45
				16QAM	25.89	388.15	21.79	151.02
				64QAM	24.22	264.24		
				256QAM	22.35	171.79		
			CP-OFDM	QPSK	24.96	313.11		
	3715.02 ~ 3964.98	30	DFT-s OFDM	π/2 BPSK	26.81	480.14		
				QPSK	26.83	481.58	22.74	187.97
				16QAM	25.60	363.12	21.90	154.91
				64QAM	24.43	277.33		
				256QAM	22.38	172.98		
			CP-OFDM	QPSK	25.36	343.21		

n77	3710.01 ~ 3969.99	20	DFT-s OFDM	π/2 BPSK	26.85	484.62		
				QPSK	26.87	486.59	22.78	189.71
				16QAM	25.47	352.39	21.48	140.45
				64QAM	24.31	269.65		
				256QAM	22.24	167.49		
			CP-OFDM	QPSK	25.18	329.42		
	3707.52 ~ 3972.48	15	DFT-s OFDM	π/2 BPSK	26.82	481.08		
				QPSK	26.84	483.17	23.23	210.46
				16QAM	25.70	371.71	22.05	160.20
				64QAM	24.40	275.14		
				256QAM	22.35	171.79		
			CP-OFDM	QPSK	25.19	330.38		
	3705.00 ~ 3975.00	10	DFT-s OFDM	π/2 BPSK	26.65	462.52		
				QPSK	26.67	464.35	**23.27**	**212.56**
				16QAM	25.51	355.88	22.47	176.70
				64QAM	24.32	270.56		
				256QAM	22.15	164.06		
			CP-OFDM	QPSK	25.17	328.57		

NR Band n77(PC2, 3700-3980 MHz, SRS1)

FCC Part 27						
Band	Frequency Range [MHz]	BandWidth [MHz]	Conducted		Radiated (ANT D)	
			Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n77	3750.00 ~ 3930.00	100	17.43	55.34		
	3745.02 ~ 3934.98	90	17.49	56.10		
	3740.01 ~ 3939.99	80	17.46	55.72		
	3735.02 ~ 3944.98	70	17.43	55.34		
	3730.02 ~ 3949.98	60	17.56	57.02		
	3725.01 ~ 3954.99	50	17.57	57.15		
	3720.02 ~ 3960.00	40	17.77	59.84		
	3715.02 ~ 3964.98	30	17.81	60.39		
	3710.01 ~ 3969.99	20	**17.83**	**60.67**	15.10	32.36
	3707.52 ~ 3972.48	15	17.82	60.53		
	3705.00 ~ 3975.00	10	17.66	58.34		

NR Band n77(PC2, 3700-3980 MHz, SRS2)

FCC Part 27						
Band	Frequency Range [MHz]	BandWidth [MHz]	Conducted		Radiated (ANT G)	
			Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n77	3750.00 ~ 3930.00	100	22.62	182.81		
	3745.02 ~ 3934.98	90	22.32	170.61		
	3740.01 ~ 3939.99	80	22.36	172.19		
	3735.02 ~ 3944.98	70	22.43	174.98		
	3730.02 ~ 3949.98	60	22.43	174.98		
	3725.01 ~ 3954.99	50	22.40	173.78		
	3720.02 ~ 3960.0	40	22.65	184.08		
	3715.02 ~ 3964.98	30	**22.77**	**189.23**	19.42	87.50
	3710.01 ~ 3969.99	20	22.67	184.93		
	3707.52 ~ 3972.48	15	22.64	183.65		
	3705.00 ~ 3975.00	10	22.42	174.58		

NR Band n77(PC2, 3700-3980 MHz, SRS3)

FCC Part 27						
Band	Frequency Range [MHz]	BandWidth [MHz]	Conducted		Radiated (ANT A)	
			Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n77	3750.00 ~ 3930.00	100	16.62	45.92		
	3745.02 ~ 3934.98	90	17.17	52.14		
	3740.01 ~ 3939.99	80	17.12	51.55		
	3735.02 ~ 3944.98	70	17.08	51.07		
	3730.02 ~ 3949.98	60	17.06	50.84		
	3725.01 ~ 3954.99	50	17.27	53.36		
	3720.02 ~ 3960.0	40	17.26	53.24		
	3715.02 ~ 3964.98	30	**17.54**	**56.78**	14.59	28.77
	3710.01 ~ 3969.99	20	17.50	56.26		
	3707.52 ~ 3972.48	15	17.52	56.52		
	3705.00 ~ 3975.00	10	17.45	55.62		

5.3. DESCRIPTION OF AVAILABLE ANTENNAS

The radio utilizes a internal antenna for the supported bands with a maximum peak gain as follow:

Frequency (MHz)	Peak Gain (dBi/dBd)
LTE Band 4 / LTE Band 66 / NR Band n66 1710 - 1780 MHz	-2.8 (ANT B)
	-5.0 (ANT F)
LTE Band 38, 41 / NR Band n38, n41 2496 - 2690 MHz	-2.4 (ANT B)
	-4.6 (ANT F)
LTE Band 7 / n7 2500 - 2570 MHz	-2.4 (ANT B)
	-4.5 (ANT F)
NR Band n41 2496 - 2690 MHz	-2.4 (ANT B)_Main
	-4.6 (ANT F)_SRS1
	-9.1 (ANT C)_SRS2
	-6.4 (ANT H)_SRS3
LTE Band 12 / NR Band n12 699 - 716 MHz	-5.3
LTE Band 13 777 - 787 MHz	-5.0
LTE Band 30 / NR Band n30 2305 - 2315 MHz	-2.7 (ANT B)
	-4.0 (ANT F)
LTE Band 71 / NR Band n71 663 – 698 MHz	-5.5
NR Band n77 3450-3550 MHz	-3.8 (ANT F)
	-5.8 (ANT D)
	-4.4 (ANT G)
	-5.9 (ANT A)
NR Band n77 3700-3980 MHz	-3.8 (ANT F)
	-5.8 (ANT D)
	-4.4 (ANT G)
	-5.9 (ANT A)

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5.4. WORST-CASE ORIENTATION

Following Modes should be considered as worst-case scenario for all other measurements.

- UMTS REL 99/HSDPA

For LTE Bands the worst-case scenario for all measurements is based on the average conducted output power measurement investigation results. Output power measurements were measured on QPSK, 16QAM, 64QAM and 256QAM modulations. However, the out of band emissions and spurious radiation were only performed on bandwidth and RB offset(with RB size 1) with the highest power in QPSK.

For NR Bands the worst-case scenario for all measurements is based on the average conducted output power measurement investigation results. Output power measurements were measured on π/2 BPSK, QPSK, 16QAM, 64QAM and 256QAM modulations. It was found that QPSK and 16QAM results were worst case as below.

For NR Band n41 supported both ANT B(Main Port) and ANT F(Sub Port).
For NR Band n41,Upper refers to the results of the ANT F test.
For NR Band n41,Upper tuen up has higher than n41 (ANT B) so, both Tx Hopping and NSA mode were full tested and worst case is reported.

Both NSA and SA modes were tested and worst case is reported. the out of band emissions and spurious radiation were only performed on bandwidth and RB offset(with RB size 1) with the highest conducted power.

In case of the same target power ANT B and ANT F. ANT F Radiated tests are perfoemed spot check, because ANT F gain is lower than ANT B (Approximately 2 dB).

This device supports AFS (Adaptive Frame Switching) Mode for below 1GHz Bands.
The adaptive frame switching (AFS) mode of device operates only in the radiated state.
So both folded and open conditions were tested and worst data is reported.

Condition	Antenna
Open, Half open, Full folded	A+B
Full folded (Grip)	A

This device supports Tx Hopping Mode for above 1GHz LTE/NR Bands.
So both folded and open modes were tested and worst data is reported.

Condition	Antenna
Open, Half folded, Full folded (Normal)	B
Open, Half folded, Full folded (Tx hopping)	F

This device supports SRS (sounding reference signal) 1, 2, 3 Mode for NR TDD bands. For each SRS 1, 2 and 3, Conducted power and radiated measurement were performed through FTM Mode provide by the customer. The worst-case scenario for all measurements is based on the average conducted output power measurement investigation results. SRS1,2,3 the worstcase scenario was radiated tested and reported

- NR Worst case

BAND	NSA or SA	Antenna
n12	NSA	A+B
	NSA	B
n71	NSA	A+B
	NSA	B

BAND	NSA or SA or Tx hopping	Antenna
n7	NSA	B
	Tx hopping	F
n30	NSA	B
	Tx hopping	F
n66	NSA	B
	Tx hopping	F

BAND	NSA or SA or SRS	Antenna
n41(PC2)	SA	B
	SRS1	F
	SRS2	C
	SRS3	H
n41(PC2, Upper)	SA	F
	SRS1	B
	SRS2	H
	SRS3	C
n77(PC2)	NSA	F
	SRS1	D
	SRS2	G
	SRS3	A

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LTE Band 4
LTE Band 4 (Frequency range: 1710-1755 MHz) is covered by LTE Band 66 (Frequency range: 1710-1780 MHz) due to overlapping frequency range, same maximum tune-up limit and same channel bandwidth.

LTE Band 38
LTE Band 38 (Frequency range: 2570-2620 MHz) is covered by LTE Band 41(PC2) (Frequency range: 2496-2690 MHz) due to overlapping frequency range, same maximum tune-up limit and same channel bandwidth.

LTE Band 41(PC3)
LTE Band 41(PC3, Frequency range : 2496-2690 MHz) is covered by LTE Band 41(PC2) (Frequency range: 2496-2690 MHz) due to same frequency range, same channel bandwidth and maximum tune-up limit is higher than LTE Band41(PC3).

NR Band 38
NR Band 38 (Frequency range: 2570-2620 MHz) is covered by NR Band 41(PC2) (Frequency range: 2496-2690 MHz) due to overlapping frequency range, same maximum tune-up limit and same channel bandwidth.

NR Band 41(PC3, SRS 1, 2, 3)
NR Band 41(PC3, Frequency range : 2496-2690 MHz) is covered by NR Band 41(PC2) (Frequency range: 2496-2690 MHz) due to same frequency range, same channel bandwidth and maximum tune-up limit is higher than NR Band 41(PC3).

NR Band 77(PC3, SRS 1, 2, 3)
NR Band 77(PC3, Frequency range : 3450-3550 MHz, 3700-3980 MHz) is covered by NR Band 77(PC2, Frequency range : 3450-3550 MHz, 3700-3980 MHz) due to same frequency range, same channel bandwidth and maximum tune-up limit is higher than NR Band 77(PC3).

- Conducted Spurious Emission (ANT A)

Highest conducted output power setting for each bands				
LTE Band	**Frequency (MHz)**	**Bandwidth (MHz)**	**RB size**	**RB offset**
12	701.5	5	1	12
	707.5		1	24
	713.5		1	12
13	782.0	10	1	0
71	665.5	5	1	12
	680.5		1	12
	695.5		1	12
NR Band	**Frequency (MHz)**	**Bandwidth (MHz)**	**RB size**	**RB offset**
12	701.5	5	1	13
	707.5		1	13
	713.5		1	1
71	665.5	5	1	1
	680.5		1	13
	695.5		1	13

- Conducted Spurious Emission (ANT B)

Highest conducted output power setting for each bands				
LTE Band	**Frequency (MHz)**	**Bandwidth (MHz)**	**RB size**	**RB offset**
7	2510.0	20	1	0
	2535.0		1	0
	2560.0		1	49
30	2307.5	5	1	12
	2310.0		1	12
	2312.5		1	12
41(PC2)	2506.0	20	1	49
	2593.0		1	49
	2680.0		1	0
66	1715.0	10	1	25
	1745.0		1	25
	1775.0		1	25
NR Band	**Frequency (MHz)**	**Bandwidth (MHz)**	**RB size**	**RB offset**
7	2507.5	15	1	1
	2535.0		1	77
	2562.5		1	40
30	2310.0	10	1	26
41(PC2)	2526.00	60	1	1
	2592.99		1	160
	2659.98		1	1
66	1722.5	25	1	131
	1745.0		1	131
	1767.5		1	131

- Conducted Spurious Emission (ANT F)

Highest conducted output power setting for each bands				
LTE Band	**Frequency (MHz)**	**Bandwidth (MHz)**	**RB size**	**RB offset**
7	2505.0	10	1	25
	2535.0		1	25
	2565.0		1	25
30	2307.5	5	1	12
	2310.0		1	12
	2312.5		1	12
41(PC2)	2503.5	15	1	0
	2593.0		1	74
	2682.5		1	0
66	1712.5	5	1	12
	1745.0		1	12
	1777.5		1	0
NR Band	**Frequency (MHz)**	**Bandwidth (MHz)**	**RB size**	**RB offset**
7	2520.0	40	1	108
	2535.0		1	214
	2550.0		1	1
30	2310.0	10	1	26
41(PC2)	2526.00	60	1	81
	2592.99		1	131
	2659.98		1	1
66	1722.5	25	1	131
	1745.0		1	131
	1767.5		1	131
77(PC2) (3450-3550 MHz)	3490.00	80	1	215
	3499.98		1	215
	3510.00		1	109
77(PC2) (3700-3980 MHz)	3725.00	50	1	131
	3840.00		1	67
	3955.00		1	131

- Radiated Spurious Emission(ANT A+B)

Highest EIRP setting for each bands				
LTE Band	**Frequency (MHz)**	**Bandwidth (MHz)**	**RB size**	**RB offset**
12	701.5	5	1	12
	707.5		1	24
	713.5		1	12
13	779.5	5	1	12
	782.0		1	12
	784.5		1	12
71	668.0	10	1	0
	680.5		1	25
	693.0		1	0
NR Band	**Frequency (MHz)**	**Bandwidth (MHz)**	**RB size**	**RB offset**
12	706.5	15	1	40
	707.5		1	1
	708.5		1	1
71	670.5	15	1	1
	680.5		1	1
	690.5		1	1

- Radiated Spurious Emission(ANT A)

Highest EIRP setting for each bands				
LTE Band	**Frequency (MHz)**	**Bandwidth (MHz)**	**RB size**	**RB offset**
12	704.0	10	1	25
	707.5		1	49
	711.0		1	49
13	779.5	5	1	12
	782.0		1	12
	784.5		1	12
71	665.5	5	1	12
	680.5		1	12
	695.5		1	12
NR Band	**Frequency (MHz)**	**Bandwidth (MHz)**	**RB size**	**RB offset**
12	706.5	15	1	40
	707.5		1	1
	708.5		1	1
71	665.5	5	1	1
	680.5		1	13
	695.5		1	13

- Radiated Spurious Emission(ANT B)

Highest EIRP setting for each bands				
LTE Band	**Frequency (MHz)**	**Bandwidth (MHz)**	**RB size**	**RB offset**
7	2502.5	5	1	12
	2535.0		1	24
	2567.5		1	24
30	2307.5	5	1	12
	2310.0		1	12
	2312.5		1	12
41(PC2)	2498.5	5	1	12
	2593.0		1	0
	2687.5		1	0
66	1712.5	5	1	0
	1745.0		1	12
	1777.5		1	12
NR Band	**Frequency (MHz)**	**Bandwidth (MHz)**	**RB size**	**RB offset**
7	2515.0	30	1	1
	2535.0		1	1
	2555.0		1	1
30	2310.0	10	1	26
41(PC2)	2511.00	30	1	76
	2592.99		1	76
	2675.00		1	1
66	1715.0	10	1	26
	1745.0		1	26
	1775.0		1	1

- Radiated Spurious Emission(ANT F)

Highest EIRP setting for each bands				
LTE Band	**Frequency (MHz)**	**Bandwidth (MHz)**	**RB size**	**RB offset**
7	2505.0	10	1	25
	2535.0		1	25
	2565.0		1	25
30	2307.5	5	1	12
	2310.0		1	12
	2312.5		1	12
41(PC2)	2503.5	15	1	0
	2593.0		1	74
	2682.5		1	0
66	1712.5	5	1	12
	1745.0		1	12
	1777.5		1	0
NR Band	**Frequency (MHz)**	**Bandwidth (MHz)**	**RB size**	**RB offset**
7	2520.0	40	1	108
	2535.0		1	214
	2550.0		1	1
30	2310.0	10	1	26
41(PC2), Upper	2501.01	10	1	22
	2592.99		1	22
	2685.00		1	1
66	1722.5	25	1	131
	1745.0		1	131
	1767.5		1	131
77(PC2) (3450-3550 MHz)	3470.01	40	1	104
	3499.98		1	104
	3529.98		1	53
77(PC2) (3700-3980 MHz)	3705.00	10	1	22
	3840.00		1	12
	3975.00		1	1

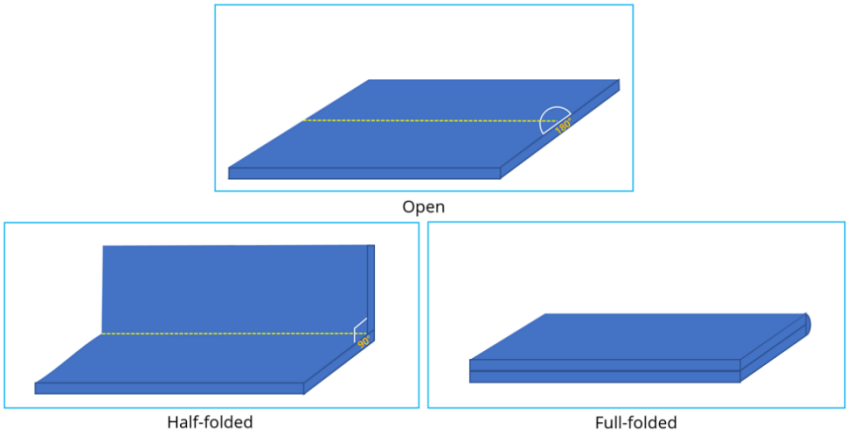
- Uplink CA (ANT B / ANT F)

Highest conducted output power setting for each bands					
LTE Band	**Component Carrier**	**Frequency (MHz)**	**Bandwidth (MHz)**	**RB size**	**RB offset**
66B	PCC	1742.6	5	1	24
	SCC	1747.4	5	1	0
66C	PCC	1735.1	20	1	99
	SCC	1754.9	20	1	0
41C	PCC	2506.0	20	1	99
	SCC	2525.8	20	1	0

For LTE anchor, the band with highest output power was chosen among the possible combinations with NR Bands.

NR Band	LTE Band
7	2, **5**, 66
12	2, 48, **66**
30	2, **5**, 12, 14, 66
66	2, **5**, 7, 12, 13, 14, 30, 48
71	2, 48, **66**
77(PC2) (3450-3550 MHz)	2, **5**, 7, 12, 13, 14, 30, 66, 71
77(PC2) (3700-3980 MHz)	2, **5**, 7, 12, 13, 14, 30, 66, 71

The fundamental and radiated spurious emission were investigated in three orthogonal orientations X, Y and Z, it was determined that below orientation was worst-case orientation for each band.



Band	ANT	ERP/EIRP			RSE		
		X	Y	Z	X	Y	Z
WCDMA B4	B	Open	-	-	Open	-	-
LTE B7	B	-	Half-folded	-	-	Full-folded	-
	F	-	Half-folded	-	-	Half-folded	-
LTE B12	A+B	Open	-	-	-	Half-folded	-
	A	-	-	Full-folded	-	-	Full-folded
LTE B13	A+B	Open	-	-	-	-	Open
	A	-	-	Full-folded	-	-	Half-folded
LTE B30	B	Half-folded	-	-	Half-folded	-	-
	F	-	-	Open	-	-	Open
LTE B41(PC2)	B	Half-folded	-	-	-	Open	-
	F	-	-	Open	-	Open	-
LTE B66	B	Open	-	-	Open	-	-
	F	Open	-	-	Open	-	-
LTE B71	A+B	Open	-	-	-	-	Full-folded
	A	-	-	Full-folded	-	Full-folded	-
NR n7	B	-	Half-folded	-	-	-	Open
	F	-	Half-folded	-	-	Half-folded	-
NR n12	A+B	Open	-	-	Open	-	-
	A	-	-	Full-folded	-	Full-folded	-
NR n30	B	Half-folded	-	-	Open	-	-
	F	Half-folded	-	-	Half-folded	-	-
NR n41(PC2)	B	Open	-	-	-	Open	-
	F (SRS1)	Half-folded	-	-	Half-folded	-	-
	C (SRS2)	Open	-	-	-	-	Full-folded
	H (SRS3)	-	Half-folded	-	-	Half-folded	-
NR n41(PC2), Upper	F	Open	-	-	-	-	Open
	B (SRS1)	Half-folded	-	-	-	-	Full-folded
	C (SRS2)	Open	-	-	-	Half-folded	-
	H (SRS3)	Open	-	-	-	-	Full-folded
NR n66	B	Open	-	-	Open	-	-
	F	Open	-	-	Open	-	-
NR n71	A+B	Open	-	-	-	Full-folded	-
	A	-	-	Full-folded	-	Full-folded	-
NR n77(PC2) (3450 - 3550 MHz)	F	Open	-	-	-	Open	-
	D (SRS1)	Open	-	-	Open	-	-
	G (SRS2)	Open	-	-	Open	-	-
	A (SRS3)	Open	-	-	Open	-	-
NR n77(PC2) (3700 - 3980 MHz)	F	Half-folded	-	-	-	Half-folded	-
	D (SRS1)	Open			Open	-	-
	G (SRS2)	Open			Open	-	-
	A (SRS3)	-	-	Open	-	Half-folded	-
LTE B41C(UL CA)	B				-	Open	-
	F				-	-	Half-folded
LTE B66B(UL CA)	B				Half-folded	-	-
	F				-	Half-folded	-
LTE B66C(UL CA)	B				Open	-	-
	F				Open	-	-

Note : For ERP/EIRP testing, the EUT didn't attached with travel adapter. But radiated spurious testing, the EUT attached with travel adapter for the worst case condition. The EUT is continuously communicated with the call box during the tests.

5.5. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Support Equipment List				
Description	**Manufacture**	**Model**	**Serial Number**	**FCC ID**
Charger	SAMSUNG	EP-TA800	R37N9QP4SL9DK3	N/A
Data Cable	SAMSUNG	WBR0062M	GH39-02112A	N/A

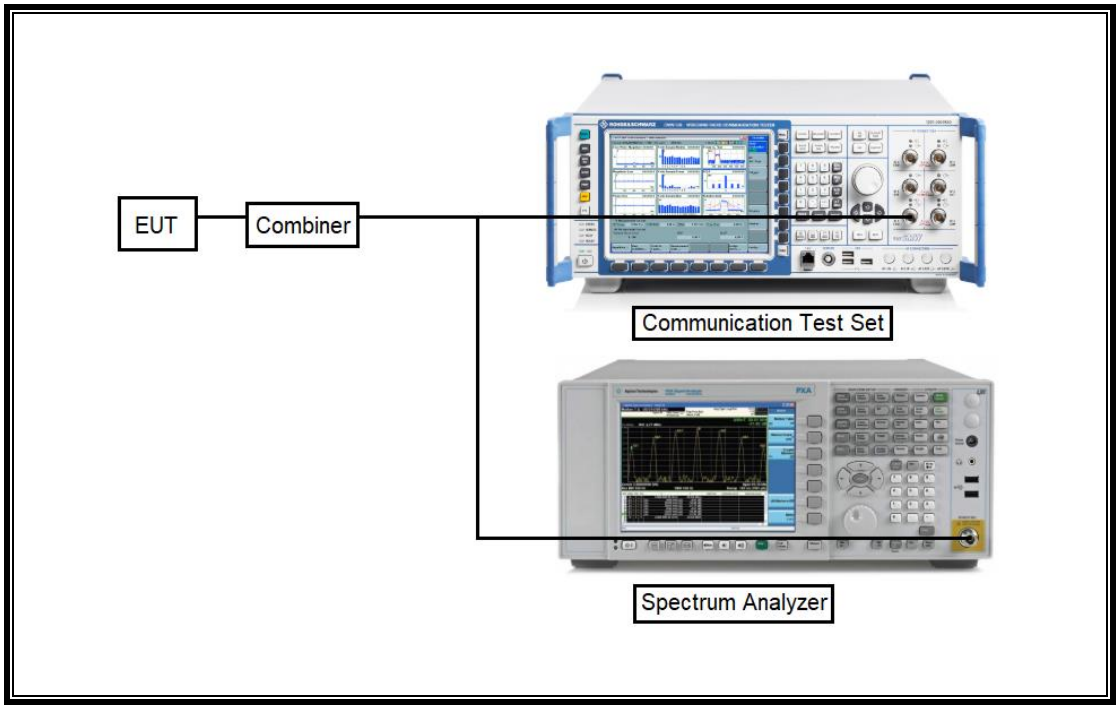
I/O CABLE

I/O Cable List						
Cable No.	**Port**	**# of identical ports**	**Connector Type**	**Cable Type**	**Cable Length (m)**	**Remarks**
1	DC Power	1	C Type	Shielded	1.0 m	N/A

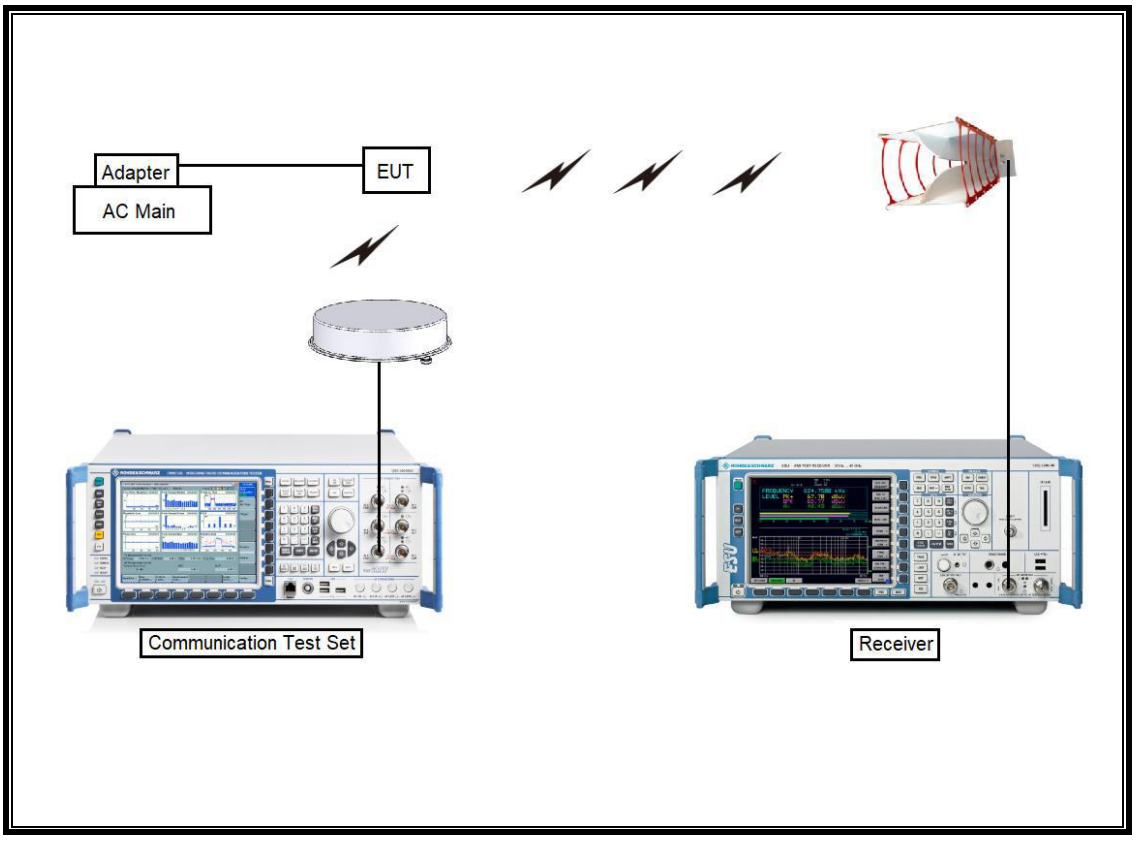
TEST SETUP

The EUT is continuously communicated with the call box during the tests.

SETUP DIAGRAM FOR TESTS (CONDUCTED TEST SETUP)



SETUP DIAGRAM FOR TESTS (RADIATED TEST SETUP)



6. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was utilized for the tests documented in this report:

Test Equipment List				
Description	**Manufacturer**	**Model**	**S/N**	**Cal Due**
Antenna, Tuned Dipole 400~1000 MHz	ETS	3121D DB4	00164753	2025-01-17
Directional Antenna	Cobham	FPA3-0.8-6.0R/1329	110367-0003	N/A
Directional Antenna	Cobham	FPA3-0.8-6.0R/1329	80108-0004	N/A
Antenna, Horn, 40 GHz	ETS	3116C	00168645	2023-10-13
Preamplifier	ETS	3115-PA	00167475	2023-08-04
Preamplifier	ETS	3116C-PA	00168841	2023-08-04
Antenna, Bilog, 30MHz-1GHz	SCHWARZBECK	VULB9163	750	2024-08-15
Antenna, Bilog, 30MHz-1GHz	SCHWARZBECK	VULB9163	845	2024-08-15
Antenna, Bilog, 30MHz-1GHz	SCHWARZBECK	VULB9163	749	2024-08-15
Antenna, Horn, 18 GHz	ETS	3115	00161451	2024-08-21
Antenna, Horn, 18 GHz	ETS	3117	00168717	2024-08-21
Communications Test Set	R&S	CMW500	169796	2024-01-05
DC Power Supply	Agilent / HP	E3640A	MY54226395	2023-08-02
Preamplifier, 1000 MHz	Sonoma	310N	341282	2023-08-02
Preamplifier, 1000 MHz	Sonoma	310N	351741	2023-08-02
Preamplifier, 18 GHz	Miteq	AFS42-00101800-25-S-42	2029169	2023-08-01
Preamplifier, 18 GHz	Miteq	AFS42-00101800-25-S-42	1896138	2023-08-01
Spectrum Analyzer, 44 GHz	Agilent / HP	N9030A	MY54170614	2023-08-03
Spectrum Analyzer, 44 GHz	Agilent / HP	N9030A	MY54490312	2023-08-01
Spectrum Analyzer, 44 GHz	KEYSIGHT	N9030B	MY60070693	2024-01-09
EMI Test Receive, 40 GHz	R&S	ESU40	100439	2023-08-02
EMI Test Receive, 40 GHz	R&S	ESU40	100457	2023-07-29
High Pass Filter 1.2GHz	Micro-Tronics	HPM50108-02	G005	2023-08-01
High Pass Filter 1.2GHz	Micro-Tronics	HPM50108-02	G006	2023-08-01
High Pass Filter 2.8GHz	Micro-Tronics	HPM50111-02	010	2023-08-01
High Pass Filter 2.8GHz	Micro-Tronics	HPM50111-02	011	2023-08-01
High Pass Filter 4GHz	Micro-Tronics	HPM50118-02	G001	2023-08-01
High Pass Filter 4GHz	Micro-Tronics	HPM50118-02	G002	2023-08-01
Attenuator	PASTERNACK	PE7087-10	A009	2023-08-03
Attenuator	PASTERNACK	PE7087-10	A001	2023-08-03
Attenuator	PASTERNACK	PE7087-10	A008	2023-08-03
Attenuator	PASTERNACK	PE7004-10	2	2023-08-01
Attenuator	PASTERNACK	PE7395-10	A011	2023-08-03
Antenna, Loop, 9kHz-30MHz	R&S	HFH2-Z2	100418	2023-10-06
Temperature Chamber	ESPEC	SH-642	93001109	2023-08-01
Power Splitter	MINI-CIRCUITS	WA1534	UL003	2024-01-09
Power Splitter	MINI-CIRCUITS	WA1534	UL004	2024-01-09
UXM 5G Wireless Test Platform	KEYSIGHT	E7515B	MY57510655	2024-01-09
UXM 5G Wireless Test Platform	KEYSIGHT	E7515B	MY58010202	2024-01-27
UXM 5G Wireless Test Platform	KEYSIGHT	E7515B	MY58460570	2023-12-08

UL Software			
Description	**Manufacturer**	**Model**	**Version**
Antenna port test software	UL	CLT	Ver 3.4
Radiated software	UL	UL EMC	Ver 9.5
Antenna port test software (5G NR FR1)	UL	UL iM	Ver 1.06

7. SUMMARY TABLE

FCC Part Section	Test Description	Test Limit	Test Condition	Test Result
2.1049	Occupied Band width (99%)	N/A	Conducted	Pass
27.53(g),(h), 27.53(l)(2) 27.53(n)(2)	Band Edge / Conducted Spurious Emission	-13dBm		Pass
27.53(m)	Conducted Spurious Emission	-25dBm		Pass
27.53(a),(m)	Emission mask	Section 9.2.2		Pass
2.1046	Conducted output power	N/A		Pass
27.54	Frequency Stability	2.5PPM		Pass
27.50(c)(10) 27.50(b)(10)	Effective Radiated Power	34.77dBm	Radiated	Pass
27.50(h)(2) 27.50(j)(3) 27.50(k)(3)	Equivalent Isotropic Radiated Power	33dBm		Pass
27.50(d)(4)		30dBm		Pass
27.53 (g),(h)	Radiated Spurious Emission	-13dBm		Pass
27.53(f)		-40dBm		Pass
27.53(m) 27.53(l)(2) 27.53(n)(2)		-25dBm		Pass

8. CONDUCTED RESULTS

8.1. CONDUCTED OUTPUT POWER

Test Procedure

Per KDB 971168 D01 Power Meas License Digital Systems v03r01;

The transmitter output was connected to either CMW500 Test Set or E7515B Test set and configured to operate at maximum power.

NOTE

5G NR: All Waveforms (CP-OFDM vs DFT-s_OFDM) and modulations (π/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM) were investigated to determine the worst case configuration. All Modes of operation were investigated and the worst case configuration results are reported in this section.

RESULTS

See the following pages.

8.1.1. CONDUCTED AVERAGE OUTPUT POWER

WCDMA B4

Mode		UL Ch No.	Freq. (MHz)	Maximum Average Power (dBm) Pmax		
				Measured Pwr	MPR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	1312	1712.4	24.04	N/A	24.8
		1413	1732.6	23.97		
		1513	1752.6	23.90		
HSDPA	Subtest 1	1312	1712.4	23.07	0	23.8
		1413	1732.6	23.00		
		1513	1752.6	22.92		
	Subtest 2	1312	1712.4	23.06	0	23.8
		1413	1732.6	22.99		
		1513	1752.6	22.89		
	Subtest 3	1312	1712.4	22.54	0.5	23.3
		1413	1732.6	22.49		
		1513	1752.6	22.41		
	Subtest 4	1312	1712.4	22.52	0.5	23.3
		1413	1732.6	22.49		
		1513	1752.6	22.41		
HSUPA	Subtest 1	1312	1712.4	23.03	0	23.8
		1413	1732.6	22.97		
		1513	1752.6	22.92		
	Subtest 2	1312	1712.4	21.05	2	21.8
		1413	1732.6	20.98		
		1513	1752.6	20.90		
	Subtest 3	1312	1712.4	22.01	1	22.8
		1413	1732.6	21.99		
		1513	1752.6	21.93		
	Subtest 4	1312	1712.4	21.05	2	21.8
		1413	1732.6	21.02		
		1513	1752.6	20.91		
	Subtest 5	1312	1712.4	22.66	0	23.8
		1413	1732.6	22.57		
		1513	1752.6	22.51		
DC-HSDPA	Subtest 1	1312	1712.4	23.06	0	23.8
		1413	1732.6	23.05		
		1513	1752.6	22.93		
	Subtest 2	1312	1712.4	23.07	0	23.8
		1413	1732.6	23.03		
		1513	1752.6	22.94		
	Subtest 3	1312	1712.4	22.58	0.5	23.3
		1413	1732.6	22.51		
		1513	1752.6	22.43		
	Subtest 4	1312	1712.4	22.56	0.5	23.3
		1413	1732.6	22.51		
		1513	1752.6	22.42		

LTE Band 7 (ANT B)

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Average Power (dBm) Pmax			MPR	Tune-up Limit
				Measured Pwr (dBm)				
				20850	21100	21350		
				2510 MHz	2535 MHz	2560 MHz		
20 MHz	QPSK	1	0	23.60	23.57	23.46	0.0	25.0
		1	49	23.64	23.50	23.48	0.0	25.0
		1	99	23.52	23.43	23.38	0.0	25.0
		50	0	22.74	22.56	22.53	1.0	24.0
		50	24	22.76	22.64	22.59	1.0	24.0
		50	50	22.70	22.58	22.55	1.0	24.0
		100	0	22.73	22.63	22.57	1.0	24.0
	16QAM	1	0	23.02	22.76	22.72	1.0	24.0
		1	49	23.06	22.80	22.75	1.0	24.0
		1	99	22.99	22.74	22.63	1.0	24.0
		50	0	21.76	21.58	21.55	2.0	23.0
		50	24	21.77	21.66	21.63	2.0	23.0
		50	50	21.72	21.63	21.57	2.0	23.0
		100	0	21.74	21.64	21.60	2.0	23.0
	64QAM	1	0	21.88	21.80	21.63	2.0	23.0
		1	49	21.79	21.78	21.64	2.0	23.0
		1	99	21.86	21.62	21.56	2.0	23.0
		50	0	20.74	20.57	20.53	3.0	22.0
		50	24	20.75	20.66	20.60	3.0	22.0
		50	50	20.69	20.60	20.55	3.0	22.0
		100	0	20.72	20.64	20.60	3.0	22.0
	256QAM	1	0	18.83	18.72	18.64	5.0	20.0
		1	49	18.87	18.72	18.67	5.0	20.0
		1	99	18.90	18.77	18.71	5.0	20.0
		50	0	18.72	18.56	18.51	5.0	20.0
		50	24	18.73	18.66	18.60	5.0	20.0
		50	50	18.70	18.61	18.56	5.0	20.0
		100	0	18.70	18.65	18.58	5.0	20.0
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				20825	21100	21375		
				2507.5 MHz	2535 MHz	2562.5 MHz		
15 MHz	QPSK	1	0	23.00	23.04	23.06	0.0	25.0
		1	37	23.05	23.16	23.17	0.0	25.0
		1	74	23.03	23.16	23.17	0.0	25.0
		36	0	21.96	22.06	22.08	1.0	24.0
		36	20	21.97	22.06	22.09	1.0	24.0
		36	39	22.07	22.17	22.19	1.0	24.0
		75	0	21.98	22.08	22.11	1.0	24.0
	16QAM	1	0	22.21	22.33	22.45	1.0	24.0
		1	37	22.30	22.62	22.64	1.0	24.0
		1	74	22.27	22.51	22.59	1.0	24.0
		36	0	21.00	21.08	21.11	2.0	23.0
		36	20	21.01	21.09	21.11	2.0	23.0
		36	39	21.09	21.16	21.21	2.0	23.0
		75	0	21.02	21.10	21.14	2.0	23.0
	64QAM	1	0	21.11	21.23	21.12	2.0	23.0
		1	37	21.32	21.44	21.29	2.0	23.0
		1	74	21.23	21.44	21.25	2.0	23.0
		36	0	20.00	20.10	20.03	3.0	22.0
		36	20	20.02	20.12	20.01	3.0	22.0
		36	39	20.10	20.20	20.12	3.0	22.0
		75	0	20.04	20.13	20.04	3.0	22.0
	256QAM	1	0	18.20	18.25	18.18	5.0	20.0
		1	37	18.41	18.40	18.35	5.0	20.0
		1	74	18.38	18.47	18.39	5.0	20.0
		36	0	17.99	18.12	18.00	5.0	20.0
		36	20	18.01	18.12	18.05	5.0	20.0
		36	39	18.10	18.19	18.10	5.0	20.0
		75	0	18.03	18.12	18.03	5.0	20.0

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				20800	21100	21400		
				2505 MHz	2535 MHz	2565 MHz		
10 MHz	QPSK	1	0	23.22	23.24	23.21	0.0	25.0
		1	25	23.27	23.30	23.28	0.0	25.0
		1	49	23.26	23.31	23.23	0.0	25.0
		25	0	22.26	22.19	22.20	1.0	24.0
		25	12	22.29	22.29	22.27	1.0	24.0
		25	25	22.26	22.30	22.26	1.0	24.0
		50	0	22.26	22.30	22.26	1.0	24.0
	16QAM	1	0	22.60	22.59	22.57	1.0	24.0
		1	25	22.63	22.59	22.57	1.0	24.0
		1	49	22.65	22.62	22.61	1.0	24.0
		25	0	21.28	21.23	21.18	2.0	23.0
		25	12	21.30	21.33	21.30	2.0	23.0
		25	25	21.28	21.32	21.27	2.0	23.0
		50	0	21.26	21.29	21.27	2.0	23.0
	64QAM	1	0	21.47	21.42	21.32	2.0	23.0
		1	25	21.49	21.46	21.36	2.0	23.0
		1	49	21.50	21.44	21.32	2.0	23.0
		25	0	20.25	20.14	20.05	3.0	22.0
		25	12	20.28	20.23	20.21	3.0	22.0
		25	25	20.27	20.22	20.21	3.0	22.0
		50	0	20.30	20.21	20.20	3.0	22.0
	256QAM	1	0	18.30	18.22	18.20	5.0	20.0
		1	25	18.40	18.44	18.34	5.0	20.0
		1	49	18.36	18.39	18.28	5.0	20.0
		25	0	18.24	18.15	18.11	5.0	20.0
		25	12	18.29	18.24	18.26	5.0	20.0
		25	25	18.28	18.23	18.21	5.0	20.0
		50	0	18.25	18.22	18.20	5.0	20.0

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				20775	21100	21425		
				2502.5 MHz	2535 MHz	2567.5 MHz		
5 MHz	QPSK	1	0	23.08	23.02	23.01	0.0	25.0
		1	12	23.10	23.06	23.04	0.0	25.0
		1	24	23.08	23.09	23.09	0.0	25.0
		12	0	23.07	23.04	23.09	1.0	24.0
		12	7	23.07	23.08	23.07	1.0	24.0
		12	13	23.06	23.08	23.05	1.0	24.0
		25	0	22.06	22.06	22.03	1.0	24.0
	16QAM	1	0	22.27	22.33	22.29	1.0	24.0
		1	12	22.29	22.36	22.33	1.0	24.0
		1	24	22.39	22.37	22.38	1.0	24.0
		12	0	22.17	22.12	22.21	2.0	23.0
		12	7	22.17	22.12	22.20	2.0	23.0
		12	13	22.14	22.14	22.20	2.0	23.0
		25	0	21.09	21.07	21.09	2.0	23.0
	64QAM	1	0	21.12	21.26	21.14	2.0	23.0
		1	12	21.15	21.31	21.15	2.0	23.0
		1	24	21.21	21.34	21.13	2.0	23.0
		12	0	20.97	21.08	20.99	3.0	22.0
		12	7	20.98	21.08	21.00	3.0	22.0
		12	13	20.98	21.11	20.97	3.0	22.0
		25	0	19.96	20.06	19.96	3.0	22.0
	256QAM	1	0	18.18	18.33	18.14	5.0	20.0
		1	12	18.19	18.33	18.13	5.0	20.0
		1	24	18.22	18.40	18.34	5.0	20.0
		12	0	17.97	18.12	18.00	5.0	20.0
		12	7	17.97	18.08	17.97	5.0	20.0
		12	13	17.95	18.09	17.96	5.0	20.0
		25	0	17.95	18.07	17.94	5.0	20.0

LTE Band 7 (ANT F)

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Average Power (dBm) Pmax			MPR	Tune-up Limit
				Measured Pwr (dBm)				
				20850	21100	21350		
				2510 MHz	2535 MHz	2560 MHz		
20 MHz	QPSK	1	0	23.21	23.21	23.29	0.0	25.0
		1	49	23.23	23.19	23.40	0.0	25.0
		1	99	23.19	23.18	23.41	0.0	25.0
		50	0	22.25	22.29	22.42	1.0	24.0
		50	24	22.35	22.34	22.45	1.0	24.0
		50	50	22.30	22.31	22.48	1.0	24.0
		100	0	22.34	22.32	22.40	1.0	24.0
	16QAM	1	0	22.61	22.66	22.71	1.0	24.0
		1	49	22.71	22.61	22.80	1.0	24.0
		1	99	22.61	22.63	22.85	1.0	24.0
		50	0	21.28	21.29	21.44	2.0	23.0
		50	24	21.37	21.35	21.45	2.0	23.0
		50	50	21.32	21.30	21.52	2.0	23.0
		100	0	21.36	21.34	21.47	2.0	23.0
	64QAM	1	0	21.41	21.44	21.52	2.0	23.0
		1	49	21.45	21.43	21.65	2.0	23.0
		1	99	21.39	21.43	21.64	2.0	23.0
		50	0	20.26	20.30	20.41	3.0	22.0
		50	24	20.37	20.36	20.45	3.0	22.0
		50	50	20.33	20.33	20.50	3.0	22.0
		100	0	20.36	20.37	20.43	3.0	22.0
	256QAM	1	0	18.44	18.47	18.57	5.0	20.0
		1	49	18.48	18.59	18.60	5.0	20.0
		1	99	18.51	18.51	18.70	5.0	20.0
		50	0	18.29	18.27	18.41	5.0	20.0
		50	24	18.56	18.35	18.43	5.0	20.0
		50	50	18.52	18.31	18.50	5.0	20.0
		100	0	18.39	18.34	18.42	5.0	20.0

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				20825	21100	21375		
				2507.5 MHz	2535 MHz	2562.5 MHz		
15 MHz	QPSK	1	0	23.22	23.17	23.25	0.0	25.0
		1	37	23.36	23.19	23.37	0.0	25.0
		1	74	23.38	23.21	23.38	0.0	25.0
		36	0	22.32	22.18	22.31	1.0	24.0
		36	20	22.33	22.18	22.33	1.0	24.0
		36	39	22.40	22.24	22.42	1.0	24.0
		75	0	22.35	22.19	22.35	1.0	24.0
	16QAM	1	0	22.47	22.39	22.43	1.0	24.0
		1	37	22.73	22.49	22.53	1.0	24.0
		1	74	22.65	22.41	22.57	1.0	24.0
		36	0	21.33	21.19	21.35	2.0	23.0
		36	20	21.37	21.21	21.36	2.0	23.0
		36	39	21.42	21.26	21.44	2.0	23.0
		75	0	21.38	21.21	21.37	2.0	23.0
	64QAM	1	0	21.46	21.42	21.38	2.0	23.0
		1	37	21.56	21.50	21.61	2.0	23.0
		1	74	21.57	21.47	21.61	2.0	23.0
		36	0	20.34	20.23	20.34	3.0	22.0
		36	20	20.37	20.20	20.37	3.0	22.0
		36	39	20.44	20.26	20.46	3.0	22.0
		75	0	20.36	20.20	20.38	3.0	22.0
	256QAM	1	0	18.50	18.47	18.58	5.0	20.0
		1	37	18.64	18.45	18.76	5.0	20.0
		1	74	18.74	18.53	18.85	5.0	20.0
		36	0	18.41	18.22	18.43	5.0	20.0
		36	20	18.42	18.22	18.42	5.0	20.0
		36	39	18.47	18.27	18.47	5.0	20.0
		75	0	18.41	18.21	18.40	5.0	20.0

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				20800	21100	21400		
				2505 MHz	2535 MHz	2565 MHz		
10 MHz	QPSK	1	0	23.32	23.34	23.54	0.0	25.0
		1	25	23.38	23.35	23.62	0.0	25.0
		1	49	23.33	23.30	23.56	0.0	25.0
		25	0	22.30	22.28	22.51	1.0	24.0
		25	12	22.39	22.35	22.62	1.0	24.0
		25	25	22.36	22.33	22.59	1.0	24.0
		50	0	22.38	22.35	22.59	1.0	24.0
	16QAM	1	0	22.51	22.45	22.79	1.0	24.0
		1	25	22.54	22.50	22.75	1.0	24.0
		1	49	22.49	22.50	22.77	1.0	24.0
		25	0	21.32	21.30	21.54	2.0	23.0
		25	12	21.40	21.37	21.61	2.0	23.0
		25	25	21.40	21.33	21.59	2.0	23.0
		50	0	21.37	21.34	21.61	2.0	23.0
	64QAM	1	0	21.60	21.59	21.80	2.0	23.0
		1	25	21.60	21.58	21.86	2.0	23.0
		1	49	21.56	21.55	21.78	2.0	23.0
		25	0	20.32	20.32	20.54	3.0	22.0
		25	12	20.41	20.40	20.67	3.0	22.0
		25	25	20.39	20.41	20.65	3.0	22.0
		50	0	20.40	20.37	20.62	3.0	22.0
	256QAM	1	0	18.43	18.47	18.66	5.0	20.0
		1	25	18.52	18.61	18.81	5.0	20.0
		1	49	18.49	18.56	18.76	5.0	20.0
		25	0	18.34	18.35	18.57	5.0	20.0
		25	12	18.44	18.41	18.68	5.0	20.0
		25	25	18.38	18.41	18.63	5.0	20.0
		50	0	18.40	18.39	18.65	5.0	20.0

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				20775	21100	21425		
				2502.5 MHz	2535 MHz	2567.5 MHz		
5 MHz	QPSK	1	0	23.20	23.18	23.24	0.0	25.0
		1	12	23.22	23.15	23.25	0.0	25.0
		1	24	23.33	23.18	23.40	0.0	25.0
		12	0	23.22	23.21	23.29	1.0	24.0
		12	7	23.25	23.16	23.29	1.0	24.0
		12	13	23.33	23.16	23.35	1.0	24.0
		25	0	22.27	22.17	22.29	1.0	24.0
	16QAM	1	0	22.29	22.36	22.49	1.0	24.0
		1	12	22.29	22.37	22.50	1.0	24.0
		1	24	22.43	22.44	22.56	1.0	24.0
		12	0	22.24	22.36	22.24	2.0	23.0
		12	7	22.27	22.25	22.20	2.0	23.0
		12	13	22.34	22.23	22.26	2.0	23.0
		25	0	21.29	21.17	21.32	2.0	23.0
	64QAM	1	0	21.48	21.41	21.48	2.0	23.0
		1	12	21.52	21.39	21.47	2.0	23.0
		1	24	21.60	21.45	21.61	2.0	23.0
		12	0	21.30	21.22	21.28	3.0	22.0
		12	7	21.29	21.21	21.29	3.0	22.0
		12	13	21.34	21.20	21.34	3.0	22.0
		25	0	20.29	20.19	20.33	3.0	22.0
	256QAM	1	0	18.52	18.44	18.64	5.0	20.0
		1	12	18.58	18.38	18.51	5.0	20.0
		1	24	18.69	18.44	18.62	5.0	20.0
		12	0	18.31	18.21	18.33	5.0	20.0
		12	7	18.35	18.18	18.37	5.0	20.0
		12	13	18.35	18.20	18.35	5.0	20.0
		25	0	18.35	18.20	18.35	5.0	20.0

LTE Band 12

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)			MPR	Tune-up Limit
				Measured Pwr (dBm)				
				23060	23095	23130		
				704 MHz	707.5 MHz	711 MHz		
10 MHz	QPSK	1	0	23.70	23.66	23.67	0.0	25.5
		1	25	23.71	23.68	23.82	0.0	25.5
		1	49	23.66	23.81	23.85	0.0	25.5
		25	0	22.62	22.62	22.67	1.0	24.5
		25	12	22.70	22.73	22.87	1.0	24.5
		25	25	22.70	22.75	22.77	1.0	24.5
		50	0	22.71	22.75	22.81	1.0	24.5
	16QAM	1	0	23.06	23.02	22.95	1.0	24.5
		1	25	22.97	23.07	23.12	1.0	24.5
		1	49	22.97	23.25	23.17	1.0	24.5
		25	0	21.62	21.64	21.69	2.0	23.5
		25	12	21.73	21.75	21.82	2.0	23.5
		25	25	21.66	21.78	21.77	2.0	23.5
		50	0	21.69	21.71	21.82	2.0	23.5
	64QAM	1	0	21.77	21.75	21.83	2.0	23.5
		1	25	21.77	21.79	22.00	2.0	23.5
		1	49	21.77	21.89	22.01	2.0	23.5
		25	0	20.60	20.60	20.67	3.0	22.5
		25	12	20.70	20.69	20.81	3.0	22.5
		25	25	20.65	20.77	20.78	3.0	22.5
		50	0	20.67	20.69	20.80	3.0	22.5
	256QAM	1	0	18.77	18.76	18.71	5.0	20.5
		1	25	18.83	18.84	18.90	5.0	20.5
		1	49	18.84	18.90	18.96	5.0	20.5
		25	0	18.63	18.61	18.67	5.0	20.5
		25	12	18.70	18.71	18.80	5.0	20.5
		25	25	18.68	18.66	18.81	5.0	20.5
		50	0	18.68	18.69	18.78	5.0	20.5
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				23035	23095	23155		
				701.5 MHz	707.5 MHz	713.5 MHz		
5 MHz	QPSK	1	0	23.66	23.57	23.82	0.0	25.5
		1	12	23.73	23.69	23.94	0.0	25.5
		1	24	23.63	23.74	23.82	0.0	25.5
		12	0	22.64	22.61	22.76	1.0	24.5
		12	7	22.73	22.71	22.89	1.0	24.5
		12	13	22.68	22.69	22.87	1.0	24.5
		25	0	22.67	22.67	22.85	1.0	24.5
	16QAM	1	0	22.78	22.80	23.09	1.0	24.5
		1	12	22.86	22.87	23.11	1.0	24.5
		1	24	22.74	22.89	23.04	1.0	24.5
		12	0	21.60	21.64	21.79	2.0	23.5
		12	7	21.71	21.74	21.92	2.0	23.5
		12	13	21.68	21.71	21.89	2.0	23.5
		25	0	21.66	21.69	21.86	2.0	23.5
	64QAM	1	0	21.74	21.75	21.98	2.0	23.5
		1	12	21.80	21.79	22.01	2.0	23.5
		1	24	21.73	21.75	22.00	2.0	23.5
		12	0	20.62	20.58	20.79	3.0	22.5
		12	7	20.73	20.70	20.89	3.0	22.5
		12	13	20.67	20.66	20.85	3.0	22.5
		25	0	20.67	20.65	20.83	3.0	22.5
	256QAM	1	0	18.80	18.67	18.85	5.0	20.5
		1	12	18.91	18.79	19.08	5.0	20.5
		1	24	18.79	18.75	18.98	5.0	20.5
		12	0	18.63	18.61	18.79	5.0	20.5
		12	7	18.71	18.71	18.87	5.0	20.5
		12	13	18.67	18.69	18.82	5.0	20.5
		25	0	18.70	18.69	18.83	5.0	20.5

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				23025	23095	23165		
				700.5 MHz	707.5 MHz	714.5 MHz		
3 MHz	QPSK	1	0	23.59	23.55	23.82	0.0	25.5
		1	8	23.68	23.71	23.90	0.0	25.5
		1	14	23.61	23.63	23.82	0.0	25.5
		8	0	22.67	22.58	22.80	1.0	24.5
		8	4	22.71	22.68	22.82	1.0	24.5
		8	7	22.70	22.69	22.91	1.0	24.5
		15	0	22.66	22.66	22.81	1.0	24.5
	16QAM	1	0	22.81	22.78	23.07	1.0	24.5
		1	8	22.89	22.86	23.19	1.0	24.5
		1	14	22.75	22.75	23.03	1.0	24.5
		8	0	21.72	21.63	21.81	2.0	23.5
		8	4	21.75	21.74	21.84	2.0	23.5
		8	7	21.73	21.73	21.92	2.0	23.5
		15	0	21.68	21.70	21.78	2.0	23.5
	64QAM	1	0	21.69	21.86	22.01	2.0	23.5
		1	8	21.83	21.95	22.18	2.0	23.5
		1	14	21.71	21.84	22.05	2.0	23.5
		8	0	20.71	20.62	20.84	3.0	22.5
		8	4	20.73	20.72	20.88	3.0	22.5
		8	7	20.70	20.72	20.98	3.0	22.5
		15	0	20.66	20.67	20.79	3.0	22.5
	256QAM	1	0	18.74	18.62	18.94	5.0	20.5
		1	8	18.89	18.81	19.12	5.0	20.5
		1	14	18.72	18.73	18.99	5.0	20.5
		8	0	18.71	18.63	18.83	5.0	20.5
		8	4	18.75	18.75	18.89	5.0	20.5
		8	7	18.73	18.72	18.93	5.0	20.5
		15	0	18.68	18.71	18.82	5.0	20.5

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				23017	23095	23173		
				699.7 MHz	707.5 MHz	715.3 MHz		
1.4 MHz	QPSK	1	0	23.64	23.61	23.86	0.0	25.5
		1	3	23.65	23.67	23.91	0.0	25.5
		1	5	23.62	23.65	23.92	0.0	25.5
		3	0	23.65	23.62	23.87	0.0	25.5
		3	1	23.66	23.68	23.89	0.0	25.5
		3	3	23.64	23.67	23.87	0.0	25.5
		6	0	22.65	22.65	22.78	1.0	24.5
	16QAM	1	0	22.82	22.81	23.04	1.0	24.5
		1	3	22.80	22.81	23.09	1.0	24.5
		1	5	22.74	22.87	23.05	1.0	24.5
		3	0	22.73	22.65	22.86	1.0	24.5
		3	1	22.72	22.72	22.88	1.0	24.5
		3	3	22.71	22.71	22.92	1.0	24.5
		6	0	21.78	21.64	21.75	2.0	23.5
	64QAM	1	0	21.73	21.75	21.98	2.0	23.5
		1	3	21.80	21.81	22.10	2.0	23.5
		1	5	21.70	21.80	22.07	2.0	23.5
		3	0	21.73	21.64	21.95	2.0	23.5
		3	1	21.73	21.68	21.96	2.0	23.5
		3	3	21.72	21.68	21.97	2.0	23.5
		6	0	20.61	20.63	20.83	3.0	22.5
	256QAM	1	0	18.79	18.76	18.87	5.0	20.5
		1	3	18.80	18.91	18.93	5.0	20.5
		1	5	18.75	18.88	18.92	5.0	20.5
		3	0	18.71	18.63	18.88	5.0	20.5
		3	1	18.73	18.75	18.91	5.0	20.5
		3	3	18.71	18.72	18.93	5.0	20.5
		6	0	18.58	18.61	18.77	5.0	20.5

LTE Band 13

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)			MPR	Tune-up Limit
				Measured Pwr (dBm)				
					23230			
					782 MHz			
10 MHz	QPSK	1	0		23.89		0.0	25.5
		1	25		23.87		0.0	25.5
		1	49		23.69		0.0	25.5
		25	0		22.83		1.0	24.5
		25	12		22.82		1.0	24.5
		25	25		22.73		1.0	24.5
		50	0		22.84		1.0	24.5
	16QAM	1	0		23.22		1.0	24.5
		1	25		23.17		1.0	24.5
		1	49		23.03		1.0	24.5
		25	0		21.87		2.0	23.5
		25	12		21.85		2.0	23.5
		25	25		21.72		2.0	23.5
		50	0		21.86		2.0	23.5
	64QAM	1	0		22.11		2.0	23.5
		1	25		22.10		2.0	23.5
		1	49		21.94		2.0	23.5
		25	0		20.88		3.0	22.5
		25	12		20.85		3.0	22.5
		25	25		20.79		3.0	22.5
		50	0		20.85		3.0	22.5
	256QAM	1	0		18.92		5.0	20.5
		1	25		19.01		5.0	20.5
		1	49		18.81		5.0	20.5
		25	0		18.87		5.0	20.5
		25	12		18.82		5.0	20.5
		25	25		18.79		5.0	20.5
		50	0		18.82		5.0	20.5

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				23205	23230	23255		
				779.5 MHz	782 MHz	784.5 MHz		
5 MHz	QPSK	1	0	23.88	23.79	23.76	0.0	25.5
		1	12	23.88	23.86	23.77	0.0	25.5
		1	24	23.78	23.74	23.65	0.0	25.5
		12	0	22.79	22.74	22.79	1.0	24.5
		12	7	22.88	22.80	22.79	1.0	24.5
		12	13	22.83	22.76	22.65	1.0	24.5
		25	0	22.87	22.76	22.75	1.0	24.5
	16QAM	1	0	22.93	23.21	23.03	1.0	24.5
		1	12	22.94	23.26	23.03	1.0	24.5
		1	24	22.81	23.16	22.92	1.0	24.5
		12	0	21.81	21.87	21.72	2.0	23.5
		12	7	21.90	21.91	21.74	2.0	23.5
		12	13	21.87	21.88	21.61	2.0	23.5
		25	0	21.86	21.78	21.74	2.0	23.5
	64QAM	1	0	22.05	22.02	21.95	2.0	23.5
		1	12	22.02	22.10	21.97	2.0	23.5
		1	24	21.97	21.95	21.83	2.0	23.5
		12	0	20.82	20.80	20.81	3.0	22.5
		12	7	20.91	20.84	20.80	3.0	22.5
		12	13	20.86	20.81	20.65	3.0	22.5
		25	0	20.86	20.79	20.77	3.0	22.5
	256QAM	1	0	18.86	18.90	18.79	5.0	20.5
		1	12	18.94	19.04	18.81	5.0	20.5
		1	24	18.81	18.81	18.62	5.0	20.5
		12	0	18.75	18.78	18.75	5.0	20.5
		12	7	18.86	18.80	18.79	5.0	20.5
		12	13	18.81	18.78	18.64	5.0	20.5
		25	0	18.85	18.79	18.72	5.0	20.5

LTE Band 30 (ANT B)

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Average Power (dBm) Pmax			MPR	Tune-up Limit
				Measured Pwr (dBm)				
					27710			
					2310 MHz			
10 MHz	QPSK	1	0		22.33		0.0	24.0
		1	25		22.29		0.0	24.0
		1	49		22.26		0.0	24.0
		25	0		21.31		1.0	23.0
		25	12		21.30		1.0	23.0
		25	25		21.29		1.0	23.0
		50	0		21.28		1.0	23.0
	16QAM	1	0		21.66		1.0	23.0
		1	25		21.56		1.0	23.0
		1	49		21.62		1.0	23.0
		25	0		20.27		2.0	22.0
		25	12		20.29		2.0	22.0
		25	25		20.30		2.0	22.0
		50	0		20.27		2.0	22.0
	64QAM	1	0		20.39		2.0	22.0
		1	25		20.42		2.0	22.0
		1	49		20.39		2.0	22.0
		25	0		19.28		3.0	21.0
		25	12		19.30		3.0	21.0
		25	25		19.26		3.0	21.0
		50	0		19.26		3.0	21.0
	256QAM	1	0		17.39		5.0	19.0
		1	25		17.41		5.0	19.0
		1	49		17.35		5.0	19.0
		25	0		17.28		5.0	19.0
		25	12		17.28		5.0	19.0
		25	25		17.29		5.0	19.0
		50	0		17.28		5.0	19.0

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				27685	27710	27735		
				2307.5 MHz	2310 MHz	2312.5 MHz		
5 MHz	QPSK	1	0	22.34	22.38	22.30	0.0	24.0
		1	12	22.38	22.40	22.41	0.0	24.0
		1	24	22.26	22.38	22.30	0.0	24.0
		12	0	21.33	21.39	21.25	1.0	23.0
		12	7	21.34	21.44	21.37	1.0	23.0
		12	13	21.33	21.41	21.36	1.0	23.0
		25	0	21.33	21.41	21.34	1.0	23.0
	16QAM	1	0	21.58	21.60	21.48	1.0	23.0
		1	12	21.54	21.68	21.58	1.0	23.0
		1	24	21.53	21.64	21.54	1.0	23.0
		12	0	20.32	20.39	20.24	2.0	22.0
		12	7	20.36	20.45	20.37	2.0	22.0
		12	13	20.33	20.38	20.34	2.0	22.0
		25	0	20.32	20.38	20.36	2.0	22.0
	64QAM	1	0	20.44	20.49	20.45	2.0	22.0
		1	12	20.43	20.51	20.59	2.0	22.0
		1	24	20.33	20.49	20.52	2.0	22.0
		12	0	19.32	19.40	19.25	3.0	21.0
		12	7	19.36	19.44	19.38	3.0	21.0
		12	13	19.32	19.41	19.35	3.0	21.0
		25	0	19.34	19.41	19.36	3.0	21.0
	256QAM	1	0	17.48	17.54	17.29	5.0	19.0
		1	12	17.52	17.59	17.40	5.0	19.0
		1	24	17.47	17.53	17.33	5.0	19.0
		12	0	17.32	17.41	17.29	5.0	19.0
		12	7	17.35	17.42	17.40	5.0	19.0
		12	13	17.33	17.41	17.34	5.0	19.0
		25	0	17.30	17.38	17.32	5.0	19.0

LTE Band 30 (ANT F)

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)			MPR	Tune-up Limit
				Measured Pwr (dBm)				
					27710			
					2310 MHz			
10 MHz	QPSK	1	0		22.81		0.0	24.0
		1	25		22.81		0.0	24.0
		1	49		22.82		0.0	24.0
		25	0		21.80		1.0	23.0
		25	12		21.84		1.0	23.0
		25	25		21.75		1.0	23.0
		50	0		21.76		1.0	23.0
	16QAM	1	0		22.33		1.0	23.0
		1	25		22.21		1.0	23.0
		1	49		22.21		1.0	23.0
		25	0		20.83		2.0	22.0
		25	12		20.88		2.0	22.0
		25	25		20.78		2.0	22.0
		50	0		20.81		2.0	22.0
	64QAM	1	0		21.47		2.0	22.0
		1	25		21.46		2.0	22.0
		1	49		21.36		2.0	22.0
		25	0		20.33		3.0	21.0
		25	12		20.32		3.0	21.0
		25	25		20.26		3.0	21.0
		50	0		20.29		3.0	21.0
	256QAM	1	0		18.43		5.0	19.0
		1	25		18.43		5.0	19.0
		1	49		18.34		5.0	19.0
		25	0		18.29		5.0	19.0
		25	12		18.31		5.0	19.0
		25	25		18.29		5.0	19.0
		50	0		18.26		5.0	19.0

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				27685	27710	27735		
				2307.5 MHz	2310 MHz	2312.5 MHz		
5 MHz	QPSK	1	0	22.94	22.80	22.76	0.0	24.0
		1	12	23.00	22.82	22.89	0.0	24.0
		1	24	22.91	22.74	22.80	0.0	24.0
		12	0	21.79	21.77	21.73	1.0	23.0
		12	7	21.83	21.80	21.75	1.0	23.0
		12	13	21.80	21.77	21.80	1.0	23.0
		25	0	21.76	21.79	21.68	1.0	23.0
	16QAM	1	0	22.12	22.25	22.05	1.0	23.0
		1	12	22.23	22.29	22.20	1.0	23.0
		1	24	22.17	22.22	22.09	1.0	23.0
		12	0	20.75	20.77	20.70	2.0	22.0
		12	7	20.81	20.80	20.73	2.0	22.0
		12	13	20.78	20.74	20.72	2.0	22.0
		25	0	20.83	20.81	20.75	2.0	22.0
	64QAM	1	0	21.42	21.34	21.43	2.0	22.0
		1	12	21.34	21.30	21.48	2.0	22.0
		1	24	21.22	21.37	21.45	2.0	22.0
		12	0	20.29	20.31	20.16	3.0	21.0
		12	7	20.31	20.31	20.21	3.0	21.0
		12	13	20.27	20.25	20.26	3.0	21.0
		25	0	20.23	20.27	20.15	3.0	21.0
	256QAM	1	0	18.36	18.48	18.24	5.0	19.0
		1	12	18.47	18.42	18.44	5.0	19.0
		1	24	18.33	18.39	18.35	5.0	19.0
		12	0	18.29	18.29	18.23	5.0	19.0
		12	7	18.34	18.31	18.23	5.0	19.0
		12	13	18.25	18.28	18.21	5.0	19.0
		25	0	18.24	18.25	18.20	5.0	19.0

LTE Band 41 (PC2) (ANT B)

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)			MPR	Tune-up Limit
				Measured Pwr (dBm)				
				39750	40620	41490		
				2506 MHz	2593 MHz	2680 MHz		
20 MHz	QPSK	1	0	24.84	25.05	25.13	0.0	26.5
		1	49	24.91	25.34	25.00	0.0	26.5
		1	99	24.82	25.21	24.90	0.0	26.5
		50	0	24.05	24.14	24.08	1.0	25.5
		50	24	24.03	24.23	24.08	1.0	25.5
		50	50	23.97	24.17	24.07	1.0	25.5
		100	0	24.00	24.22	24.06	1.0	25.5
	16QAM	1	0	24.34	24.39	24.40	1.0	25.5
		1	49	24.40	24.71	24.61	1.0	25.5
		1	99	24.21	24.85	24.48	1.0	25.5
		50	0	22.99	23.06	23.10	2.0	24.5
		50	24	22.99	23.16	23.06	2.0	24.5
		50	50	23.00	23.22	23.08	2.0	24.5
		100	0	23.01	23.19	23.10	2.0	24.5
	64QAM	1	0	23.24	23.45	23.44	2.0	24.5
		1	49	23.40	23.56	23.49	2.0	24.5
		1	99	23.23	23.63	23.33	2.0	24.5
		50	0	22.20	22.26	22.26	3.0	23.5
		50	24	22.24	22.36	22.29	3.0	23.5
		50	50	22.18	22.34	22.26	3.0	23.5
		100	0	22.19	22.32	22.24	3.0	23.5
	256QAM	1	0	19.84	20.21	20.23	5.0	21.5
		1	49	20.29	20.36	20.25	5.0	21.5
		1	99	20.21	20.59	20.14	5.0	21.5
		50	0	20.07	20.19	20.19	5.0	21.5
		50	24	20.06	20.31	20.19	5.0	21.5
		50	50	20.05	20.35	20.11	5.0	21.5
		100	0	20.06	20.25	20.19	5.0	21.5
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				39725	40620	41515		
				2503.5 MHz	2593 MHz	2682.5 MHz		
15 MHz	QPSK	1	0	24.92	25.01	25.06	0.0	26.5
		1	37	24.91	25.07	24.98	0.0	26.5
		1	74	24.90	25.11	24.99	0.0	26.5
		36	0	23.95	24.11	24.03	1.0	25.5
		36	20	23.96	24.17	23.97	1.0	25.5
		36	39	23.91	24.22	23.97	1.0	25.5
		75	0	23.98	24.22	23.97	1.0	25.5
	16QAM	1	0	24.32	24.40	24.34	1.0	25.5
		1	37	24.19	24.41	24.38	1.0	25.5
		1	74	24.19	24.64	24.31	1.0	25.5
		36	0	23.02	23.10	23.04	2.0	24.5
		36	20	23.02	23.22	23.03	2.0	24.5
		36	39	22.97	23.21	23.03	2.0	24.5
		75	0	22.94	23.23	22.99	2.0	24.5
	64QAM	1	0	23.26	23.49	23.25	2.0	24.5
		1	37	23.30	23.65	23.34	2.0	24.5
		1	74	23.23	23.63	23.30	2.0	24.5
		36	0	22.21	22.30	22.23	3.0	23.5
		36	20	22.23	22.39	22.22	3.0	23.5
		36	39	22.17	22.35	22.20	3.0	23.5
		75	0	22.17	22.34	22.24	3.0	23.5
	256QAM	1	0	19.93	20.31	20.11	5.0	21.5
		1	37	19.79	20.38	20.05	5.0	21.5
		1	74	19.90	20.39	20.04	5.0	21.5
		36	0	20.06	20.18	20.16	5.0	21.5
		36	20	20.04	20.36	20.10	5.0	21.5
		36	39	19.98	20.30	20.13	5.0	21.5
		75	0	20.02	20.34	20.11	5.0	21.5

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				39700	40620	41540		
				2501 MHz	2593 MHz	2685 MHz		
10 MHz	QPSK	1	0	25.04	25.13	25.09	0.0	26.5
		1	25	25.09	25.27	25.02	0.0	26.5
		1	49	25.04	25.23	25.00	0.0	26.5
		25	0	24.09	24.19	24.09	1.0	25.5
		25	12	24.03	24.31	24.09	1.0	25.5
		25	25	24.05	24.32	24.07	1.0	25.5
		50	0	24.08	24.25	24.09	1.0	25.5
	16QAM	1	0	24.42	24.69	24.53	1.0	25.5
		1	25	24.46	24.66	24.47	1.0	25.5
		1	49	24.38	24.62	24.43	1.0	25.5
		25	0	23.05	23.17	23.14	2.0	24.5
		25	12	23.12	23.27	23.16	2.0	24.5
		25	25	23.04	23.29	23.15	2.0	24.5
		50	0	23.00	23.31	23.12	2.0	24.5
	64QAM	1	0	23.57	23.60	23.35	2.0	24.5
		1	25	23.60	22.72	23.47	2.0	24.5
		1	49	23.47	22.72	23.38	2.0	24.5
		25	0	22.31	22.34	22.32	3.0	23.5
		25	12	22.27	22.49	22.31	3.0	23.5
		25	25	22.26	22.49	22.29	3.0	23.5
		50	0	22.29	22.46	22.32	3.0	23.5
	256QAM	1	0	20.28	20.28	20.16	5.0	21.5
		1	25	20.22	20.41	20.22	5.0	21.5
		1	49	20.29	20.46	20.27	5.0	21.5
		25	0	20.13	20.32	20.15	5.0	21.5
		25	12	20.17	20.44	20.21	5.0	21.5
		25	25	20.13	20.43	20.18	5.0	21.5
		50	0	20.21	20.38	20.18	5.0	21.5

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				39675	40620	41565		
				2498.5 MHz	2593 MHz	2687.5 MHz		
5 MHz	QPSK	1	0	25.04	25.27	25.20	0.0	26.5
		1	12	25.06	25.25	25.09	0.0	26.5
		1	24	24.98	25.22	25.00	0.0	26.5
		12	0	24.12	24.16	24.11	1.0	25.5
		12	7	24.10	24.33	24.16	1.0	25.5
		12	13	24.06	24.27	24.09	1.0	25.5
		25	0	24.05	24.24	24.11	1.0	25.5
	16QAM	1	0	24.47	24.54	24.50	1.0	25.5
		1	12	24.58	24.55	24.47	1.0	25.5
		1	24	24.38	24.73	24.43	1.0	25.5
		12	0	23.02	23.28	23.12	2.0	24.5
		12	7	23.08	23.41	23.15	2.0	24.5
		12	13	23.06	23.40	23.11	2.0	24.5
		25	0	23.07	23.32	23.12	2.0	24.5
	64QAM	1	0	23.45	23.48	23.24	2.0	24.5
		1	12	23.49	23.58	23.35	2.0	24.5
		1	24	23.51	23.59	23.27	2.0	24.5
		12	0	22.22	22.35	22.30	3.0	23.5
		12	7	22.25	22.46	22.29	3.0	23.5
		12	13	22.18	22.45	22.21	3.0	23.5
		25	0	22.15	22.39	22.26	3.0	23.5
	256QAM	1	0	20.20	20.47	20.28	5.0	21.5
		1	12	20.27	20.46	20.44	5.0	21.5
		1	24	20.21	20.47	20.26	5.0	21.5
		12	0	20.21	20.23	20.19	5.0	21.5
		12	7	20.23	20.40	20.21	5.0	21.5
		12	13	20.16	20.36	20.11	5.0	21.5
		25	0	20.11	20.36	20.10	5.0	21.5

LTE Band 41 (PC2) (ANT F)

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)			MPR	Tune-up Limit
				Measured Pwr (dBm)				
				39750	40620	41490		
				2506 MHz	2593 MHz	2680 MHz		
20 MHz	QPSK	1	0	24.62	24.31	24.87	0.0	26.5
		1	49	24.63	25.18	24.74	0.0	26.5
		1	99	24.69	25.42	24.73	0.0	26.5
		50	0	23.66	24.18	23.90	1.0	25.5
		50	24	23.73	24.29	23.91	1.0	25.5
		50	50	23.75	24.36	23.85	1.0	25.5
		100	0	23.71	24.32	23.90	1.0	25.5
	16QAM	1	0	24.06	24.51	24.44	1.0	25.5
		1	49	24.18	24.83	24.16	1.0	25.5
		1	99	24.07	24.83	24.23	1.0	25.5
		50	0	22.65	23.18	22.95	2.0	24.5
		50	24	22.78	23.29	22.95	2.0	24.5
		50	50	22.75	23.39	22.85	2.0	24.5
		100	0	22.71	23.30	22.91	2.0	24.5
	64QAM	1	0	22.86	23.46	23.07	2.0	24.5
		1	49	23.03	23.58	23.01	2.0	24.5
		1	99	22.76	23.64	22.96	2.0	24.5
		50	0	21.64	22.23	21.94	3.0	23.5
		50	24	21.77	22.36	21.96	3.0	23.5
		50	50	21.75	22.35	21.86	3.0	23.5
		100	0	21.76	22.31	21.91	3.0	23.5
	256QAM	1	0	19.67	20.30	20.15	5.0	21.5
		1	49	19.40	20.43	19.99	5.0	21.5
		1	99	19.67	20.47	19.98	5.0	21.5
		50	0	19.62	20.17	19.90	5.0	21.5
		50	24	19.76	20.35	19.99	5.0	21.5
		50	50	19.72	20.38	19.80	5.0	21.5
		100	0	19.73	20.32	19.90	5.0	21.5
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				39725	40620	41515		
				2503.5 MHz	2593 MHz	2682.5 MHz		
15 MHz	QPSK	1	0	24.86	25.20	24.82	0.0	26.5
		1	37	24.82	25.29	24.63	0.0	26.5
		1	74	24.80	25.44	24.60	0.0	26.5
		36	0	23.88	24.23	23.70	1.0	25.5
		36	20	23.86	24.30	23.73	1.0	25.5
		36	39	23.75	24.34	23.71	1.0	25.5
		75	0	23.82	24.31	23.75	1.0	25.5
	16QAM	1	0	24.22	24.47	23.95	1.0	25.5
		1	37	24.14	24.61	24.01	1.0	25.5
		1	74	24.16	24.75	23.99	1.0	25.5
		36	0	22.91	23.23	22.74	2.0	24.5
		36	20	22.89	23.34	22.75	2.0	24.5
		36	39	22.78	23.35	22.74	2.0	24.5
		75	0	22.86	23.36	22.76	2.0	24.5
	64QAM	1	0	22.78	23.43	22.94	2.0	24.5
		1	37	22.89	23.54	22.98	2.0	24.5
		1	74	22.76	23.68	22.99	2.0	24.5
		36	0	21.78	22.26	21.94	3.0	23.5
		36	20	21.79	22.42	21.95	3.0	23.5
		36	39	21.77	22.39	21.84	3.0	23.5
		75	0	21.76	22.37	21.89	3.0	23.5
	256QAM	1	0	20.02	20.23	19.72	5.0	21.5
		1	37	19.99	20.43	19.68	5.0	21.5
		1	74	19.91	20.58	19.88	5.0	21.5
		36	0	19.91	20.24	19.70	5.0	21.5
		36	20	19.88	20.33	19.70	5.0	21.5
		36	39	19.78	20.36	19.71	5.0	21.5
		75	0	19.90	20.35	19.72	5.0	21.5

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				39700	40620	41540		
				2501 MHz	2593 MHz	2685 MHz		
10 MHz	QPSK	1	0	24.72	25.28	24.96	0.0	26.5
		1	25	24.84	25.38	24.77	0.0	26.5
		1	49	24.80	25.41	24.72	0.0	26.5
		25	0	23.84	24.32	23.78	1.0	25.5
		25	12	23.88	24.45	23.81	1.0	25.5
		25	25	23.82	24.45	23.80	1.0	25.5
		50	0	23.81	24.42	23.77	1.0	25.5
	16QAM	1	0	24.19	24.63	24.05	1.0	25.5
		1	25	24.19	24.72	24.06	1.0	25.5
		1	49	24.13	24.73	24.08	1.0	25.5
		25	0	22.83	23.32	22.80	2.0	24.5
		25	12	22.87	23.48	22.82	2.0	24.5
		25	25	22.83	23.43	22.83	2.0	24.5
		50	0	22.87	23.38	22.79	2.0	24.5
	64QAM	1	0	23.40	23.62	23.11	2.0	24.5
		1	25	23.55	23.72	23.12	2.0	24.5
		1	49	23.54	23.74	23.00	2.0	24.5
		25	0	22.42	23.38	21.95	3.0	23.5
		25	12	22.48	22.51	21.96	3.0	23.5
		25	25	22.49	22.52	21.91	3.0	23.5
		50	0	22.47	22.51	21.92	3.0	23.5
	256QAM	1	0	19.91	20.40	19.81	5.0	21.5
		1	25	19.90	20.56	19.82	5.0	21.5
		1	49	19.86	20.54	19.79	5.0	21.5
		25	0	19.87	20.36	19.73	5.0	21.5
		25	12	19.87	20.50	19.76	5.0	21.5
		25	25	19.81	20.47	19.77	5.0	21.5
		50	0	19.83	20.46	19.75	5.0	21.5

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				39675	40620	41565		
				2498.5 MHz	2593 MHz	2687.5 MHz		
5 MHz	QPSK	1	0	24.63	25.28	24.89	0.0	26.5
		1	12	24.69	25.40	24.91	0.0	26.5
		1	24	24.62	25.36	24.82	0.0	26.5
		12	0	23.70	24.31	23.83	1.0	25.5
		12	7	23.75	24.46	23.88	1.0	25.5
		12	13	23.70	24.39	23.91	1.0	25.5
		25	0	23.70	24.40	23.89	1.0	25.5
	16QAM	1	0	24.03	24.68	24.34	1.0	25.5
		1	12	24.13	24.85	24.55	1.0	25.5
		1	24	24.04	24.74	23.42	1.0	25.5
		12	0	22.68	23.32	22.95	2.0	24.5
		12	7	22.76	23.43	22.97	2.0	24.5
		12	13	22.69	23.44	22.92	2.0	24.5
		25	0	22.81	23.47	22.97	2.0	24.5
	64QAM	1	0	22.86	23.46	23.15	2.0	24.5
		1	12	23.01	23.77	23.22	2.0	24.5
		1	24	22.90	23.58	23.01	2.0	24.5
		12	0	22.29	22.37	21.87	3.0	23.5
		12	7	22.26	22.45	21.96	3.0	23.5
		12	13	22.26	22.45	21.92	3.0	23.5
		25	0	21.76	22.43	21.92	3.0	23.5
	256QAM	1	0	19.80	20.35	20.06	5.0	21.5
		1	12	19.93	20.49	20.18	5.0	21.5
		1	24	19.85	20.41	20.02	5.0	21.5
		12	0	19.73	20.30	19.96	5.0	21.5
		12	7	19.77	20.46	19.95	5.0	21.5
		12	13	19.73	20.41	19.94	5.0	21.5
		25	0	19.72	20.40	19.92	5.0	21.5

LTE Band 41 (PC2) (UL CA) (ANT B)

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB	PCC RB	SCC1 RB	SCC1 RB	Conducted Average Power (dBm)	
			Size	Offset	Size	Offset	QPSK	16QAM
40MHz (20MHz / 20MHz)	2506	2525.8	1	99	1	0	25.69	24.20
			1	0	1	99	17.02	17.29
			100	0	100	0	23.64	22.64
	2583.1	2602.9	1	99	1	0	25.62	24.40
			1	0	1	99	17.18	17.30
			100	0	100	0	23.73	22.77
	2660.2	2680	1	99	1	0	25.53	24.11
			1	0	1	99	17.26	17.36
			100	0	100	0	23.67	22.70

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB	PCC RB	SCC1 RB	SCC1 RB	Conducted Average Power (dBm)	
			Size	Offset	Size	Offset	QPSK	16QAM
35MHz (15MHz / 20MHz)	2503.5	2520.6	1	74	1	0	25.40	24.23
			1	0	1	99	17.11	17.30
			75	0	100	0	23.62	22.62
	2583.2	2600.3	1	74	1	0	25.56	24.31
			1	0	1	99	17.23	17.31
			75	0	100	0	23.71	22.73
	2662.9	2680	1	74	1	0	25.64	24.10
			1	0	1	99	17.38	17.34
			75	0	100	0	23.65	22.67

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB	PCC RB	SCC1 RB	SCC1 RB	Conducted Average Power (dBm)	
			Size	Offset	Size	Offset	QPSK	16QAM
30MHz (15MHz / 15MHz)	2503.5	2518.5	1	74	1	0	25.39	24.10
			1	0	1	74	17.17	17.32
			75	0	75	0	23.57	22.60
	2585.5	2600.5	1	74	1	0	25.60	24.31
			1	0	1	74	17.22	17.32
			75	0	75	0	23.70	22.74
	2667.5	2682.5	1	74	1	0	25.31	24.16
			1	0	1	74	17.23	17.32
			75	0	75	0	23.57	22.63

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB	PCC RB	SCC1 RB	SCC1 RB	Conducted Average Power (dBm)	
			Size	Offset	Size	Offset	QPSK	16QAM
25MHz (5MHz / 20MHz)	2498.5	2510.2	1	24	1	0	25.58	24.06
			1	0	1	99	17.14	17.34
			25	0	100	0	23.62	22.64
	2583.6	2595.3	1	24	1	0	25.69	24.27
			1	0	1	99	17.28	17.53
			25	0	100	0	23.71	22.74
	2668.3	2680	1	24	1	0	25.48	24.14
			1	0	1	99	17.25	17.34
			25	0	100	0	23.60	22.64

LTE Band 41 (PC2) (UL CA) (ANT F)

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB	PCC RB	SCC1 RB	SCC1 RB	Conducted Average Power (dBm)	
			Size	Offset	Size	Offset	QPSK	16QAM
40MHz (20MHz / 20MHz)	2506	2525.8	1	99	1	0	25.16	23.75
			1	0	1	99	16.62	16.85
			100	0	100	0	23.15	22.15
	2583.1	2602.9	1	99	1	0	25.55	24.37
			1	0	1	99	17.18	17.45
			100	0	100	0	23.70	22.69
	2660.2	2680	1	99	1	0	25.65	24.21
			1	0	1	99	17.22	17.54
			100	0	100	0	23.63	22.69

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB	PCC RB	SCC1 RB	SCC1 RB	Conducted Average Power (dBm)	
			Size	Offset	Size	Offset	QPSK	16QAM
35MHz (15MHz / 20MHz)	2503.5	2520.6	1	74	1	0	25.13	23.82
			1	0	1	99	16.92	17.02
			75	0	100	0	23.14	22.15
	2583.2	2600.3	1	74	1	0	25.60	24.23
			1	0	1	99	17.20	17.33
			75	0	100	0	23.65	22.60
	2662.9	2680	1	74	1	0	25.43	24.14
			1	0	1	99	17.12	17.46
			75	0	100	0	23.58	22.62

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB	PCC RB	SCC1 RB	SCC1 RB	Conducted Average Power (dBm)	
			Size	Offset	Size	Offset	QPSK	16QAM
30MHz (15MHz / 15MHz)	2503.5	2518.5	1	74	1	0	25.02	23.73
			1	0	1	74	16.69	16.91
			75	0	75	0	23.11	22.11
	2585.5	2600.5	1	74	1	0	25.46	24.47
			1	0	1	74	17.25	17.33
			75	0	75	0	23.64	22.68
	2667.5	2682.5	1	74	1	0	25.41	24.01
			1	0	1	74	17.08	17.27
			75	0	75	0	23.53	22.57

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB	PCC RB	SCC1 RB	SCC1 RB	Conducted Average Power (dBm)	
			Size	Offset	Size	Offset	QPSK	16QAM
25MHz (5MHz / 20MHz)	2498.5	2510.2	1	24	1	0	25.03	23.76
			1	0	1	99	16.67	16.82
			25	0	100	0	23.00	22.04
	2583.6	2595.3	1	24	1	0	25.43	24.29
			1	0	1	99	17.11	17.52
			25	0	100	0	23.58	22.55
	2668.3	2680	1	24	1	0	25.38	24.04
			1	0	1	99	17.12	17.25
			25	0	100	0	23.55	22.52

LTE Band 66 (ANT B)

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Average Power (dBm) Pmax			MPR	Tune-up Limit
				Measured Pwr (dBm)				
				132072	132322	132572		
				1720 MHz	1745 MHz	1770 MHz		
20 MHz	QPSK	1	0	23.58	23.48	23.32	0.0	25.0
		1	49	23.51	23.41	23.19	0.0	25.0
		1	99	23.61	23.40	23.04	0.0	25.0
		50	0	22.56	22.42	22.37	1.0	24.0
		50	24	22.62	22.49	22.34	1.0	24.0
		50	50	22.65	22.47	22.27	1.0	24.0
		100	0	22.63	22.49	22.34	1.0	24.0
	16QAM	1	0	23.01	22.85	22.76	1.0	24.0
		1	49	22.89	22.85	22.50	1.0	24.0
		1	99	23.00	22.81	22.46	1.0	24.0
		50	0	21.60	21.44	21.39	2.0	23.0
		50	24	21.67	21.51	21.39	2.0	23.0
		50	50	21.66	21.49	21.45	2.0	23.0
		100	0	21.64	21.50	21.38	2.0	23.0
	64QAM	1	0	21.80	21.66	21.56	2.0	23.0
		1	49	21.80	21.59	21.56	2.0	23.0
		1	99	21.75	21.59	21.54	2.0	23.0
		50	0	20.57	20.41	20.35	3.0	22.0
		50	24	20.66	20.46	20.35	3.0	22.0
		50	50	20.63	20.45	20.40	3.0	22.0
		100	0	20.64	20.45	20.34	3.0	22.0
	256QAM	1	0	18.82	18.65	18.52	5.0	20.0
		1	49	18.79	18.62	18.54	5.0	20.0
		1	99	18.81	18.68	18.58	5.0	20.0
		50	0	18.58	18.43	18.35	5.0	20.0
		50	24	18.64	18.50	18.35	5.0	20.0
		50	50	18.65	18.45	18.38	5.0	20.0
		100	0	18.65	18.46	18.35	5.0	20.0

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				132047	132322	132597		
				1717.5 MHz	1745 MHz	1772.5 MHz		
15 MHz	QPSK	1	0	23.74	23.59	23.50	0.0	25.0
		1	37	23.70	23.53	23.48	0.0	25.0
		1	74	23.77	23.59	23.40	0.0	25.0
		36	0	22.79	22.53	22.49	1.0	24.0
		36	20	22.77	22.59	22.56	1.0	24.0
		36	39	22.76	22.58	22.55	1.0	24.0
		75	0	22.76	22.58	22.55	1.0	24.0
	16QAM	1	0	23.04	22.83	22.83	1.0	24.0
		1	37	23.02	22.75	22.79	1.0	24.0
		1	74	23.05	22.83	22.76	1.0	24.0
		36	0	21.83	21.58	21.53	2.0	23.0
		36	20	21.81	21.62	21.58	2.0	23.0
		36	39	21.79	21.61	21.58	2.0	23.0
		75	0	21.81	21.61	21.58	2.0	23.0
	64QAM	1	0	21.93	21.72	21.69	2.0	23.0
		1	37	21.91	21.71	21.69	2.0	23.0
		1	74	21.97	21.69	21.65	2.0	23.0
		36	0	20.79	20.55	20.51	3.0	22.0
		36	20	20.78	20.62	20.57	3.0	22.0
		36	39	20.77	20.60	20.55	3.0	22.0
		75	0	20.77	20.60	20.57	3.0	22.0
	256QAM	1	0	18.92	18.68	18.49	5.0	20.0
		1	37	18.87	18.71	18.59	5.0	20.0
		1	74	18.95	18.77	18.57	5.0	20.0
		36	0	18.80	18.55	18.49	5.0	20.0
		36	20	18.80	18.64	18.58	5.0	20.0
		36	39	18.77	18.63	18.57	5.0	20.0
		75	0	18.79	18.62	18.59	5.0	20.0

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				132022	132322	132622		
				1715 MHz	1745 MHz	1775 MHz		
10 MHz	QPSK	1	0	23.90	23.68	23.61	0.0	25.0
		1	25	23.90	23.75	23.69	0.0	25.0
		1	49	23.88	23.68	23.65	0.0	25.0
		25	0	22.90	22.61	22.62	1.0	24.0
		25	12	22.92	22.73	22.71	1.0	24.0
		25	25	22.89	22.72	22.68	1.0	24.0
		50	0	22.90	22.72	22.67	1.0	24.0
	16QAM	1	0	23.27	23.06	23.11	1.0	24.0
		1	25	23.26	23.08	23.05	1.0	24.0
		1	49	23.20	23.06	23.07	1.0	24.0
		25	0	21.93	21.69	21.64	2.0	23.0
		25	12	21.96	21.75	21.72	2.0	23.0
		25	25	21.93	21.76	21.71	2.0	23.0
		50	0	21.90	21.73	21.69	2.0	23.0
	64QAM	1	0	22.07	21.80	21.83	2.0	23.0
		1	25	22.11	21.85	21.88	2.0	23.0
		1	49	22.03	21.79	21.88	2.0	23.0
		25	0	20.91	20.61	20.57	3.0	22.0
		25	12	20.92	20.74	20.70	3.0	22.0
		25	25	20.89	20.71	20.68	3.0	22.0
		50	0	20.90	20.72	20.68	3.0	22.0
	256QAM	1	0	18.93	18.71	18.76	5.0	20.0
		1	25	19.04	18.82	18.86	5.0	20.0
		1	49	18.98	18.79	18.84	5.0	20.0
		25	0	18.92	18.66	18.56	5.0	20.0
		25	12	18.94	18.78	18.68	5.0	20.0
		25	25	18.92	18.73	18.67	5.0	20.0
		50	0	18.91	18.71	18.69	5.0	20.0

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				131997	132322	132647		
				1712.5 MHz	1745 MHz	1777.5 MHz		
5 MHz	QPSK	1	0	23.7	23.7	23.6	0.0	25.0
		1	12	23.5	23.8	23.7	0.0	25.0
		1	24	23.6	23.7	23.6	0.0	25.0
		12	0	22.8	22.6	22.6	1.0	24.0
		12	7	22.9	22.7	22.6	1.0	24.0
		12	13	22.9	22.7	22.6	1.0	24.0
		25	0	22.9	22.7	22.6	1.0	24.0
	16QAM	1	0	23.2	23.0	23.1	1.0	24.0
		1	12	23.2	23.2	23.2	1.0	24.0
		1	24	23.2	23.1	23.1	1.0	24.0
		12	0	21.9	21.7	21.7	2.0	23.0
		12	7	22.0	21.8	21.7	2.0	23.0
		12	13	21.9	21.7	21.7	2.0	23.0
		25	0	21.9	21.8	21.6	2.0	23.0
	64QAM	1	0	22.0	21.8	21.8	2.0	23.0
		1	12	22.1	21.9	21.8	2.0	23.0
		1	24	22.1	21.8	21.8	2.0	23.0
		12	0	20.8	20.6	20.6	3.0	22.0
		12	7	21.0	20.8	20.6	3.0	22.0
		12	13	20.9	20.7	20.7	3.0	22.0
		25	0	20.9	20.7	20.6	3.0	22.0
	256QAM	1	0	19.0	18.7	18.8	5.0	20.0
		1	12	19.1	18.8	18.9	5.0	20.0
		1	24	19.0	18.7	18.8	5.0	20.0
		12	0	18.8	18.7	18.6	5.0	20.0
		12	7	19.0	18.7	18.6	5.0	20.0
		12	13	18.9	18.7	18.6	5.0	20.0
		25	0	18.9	18.7	18.5	5.0	20.0

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				131987	132322	132657		
				1711.5 MHz	1745 MHz	1778.5 MHz		
3 MHz	QPSK	1	0	23.67	23.65	23.55	0.0	25.0
		1	8	23.66	23.73	23.68	0.0	25.0
		1	14	23.61	23.66	23.58	0.0	25.0
		8	0	22.90	22.68	22.55	1.0	24.0
		8	4	22.94	22.70	22.59	1.0	24.0
		8	7	22.90	22.69	22.57	1.0	24.0
		15	0	22.89	22.69	22.54	1.0	24.0
	16QAM	1	0	23.15	23.02	23.02	1.0	24.0
		1	8	23.19	23.08	23.13	1.0	24.0
		1	14	23.16	23.02	23.09	1.0	24.0
		8	0	22.01	21.69	21.62	2.0	23.0
		8	4	22.05	21.73	21.69	2.0	23.0
		8	7	22.06	21.71	21.66	2.0	23.0
		15	0	21.93	21.71	21.62	2.0	23.0
	64QAM	1	0	21.98	21.80	21.78	2.0	23.0
		1	8	22.13	21.92	21.88	2.0	23.0
		1	14	22.04	21.88	21.76	2.0	23.0
		8	0	20.91	20.74	20.63	3.0	22.0
		8	4	20.96	20.75	20.66	3.0	22.0
		8	7	20.95	20.76	20.67	3.0	22.0
		15	0	20.92	20.75	20.56	3.0	22.0
	256QAM	1	0	18.91	18.79	18.60	5.0	20.0
		1	8	19.09	18.87	18.80	5.0	20.0
		1	14	19.00	18.70	18.69	5.0	20.0
		8	0	18.93	18.71	18.56	5.0	20.0
		8	4	18.98	18.75	18.59	5.0	20.0
		8	7	18.96	18.73	18.61	5.0	20.0
		15	0	18.92	18.72	18.58	5.0	20.0

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				131979	132322	132665		
				1710.7 MHz	1745 MHz	1779.3 MHz		
1.4 MHz	QPSK	1	0	23.53	23.66	23.56	0.0	25.0
		1	3	23.56	23.68	23.58	0.0	25.0
		1	5	23.58	23.65	23.55	0.0	25.0
		3	0	23.55	23.66	23.60	0.0	25.0
		3	1	23.56	23.66	23.61	0.0	25.0
		3	3	23.56	23.66	23.61	0.0	25.0
		6	0	22.85	22.65	22.58	1.0	24.0
	16QAM	1	0	23.11	23.05	22.84	1.0	24.0
		1	3	23.14	23.03	22.82	1.0	24.0
		1	5	23.13	22.99	22.82	1.0	24.0
		3	0	22.92	22.87	22.79	1.0	24.0
		3	1	22.91	22.88	22.78	1.0	24.0
		3	3	22.94	22.87	22.76	1.0	24.0
		6	0	21.89	21.74	21.67	2.0	23.0
	64QAM	1	0	22.16	21.81	21.78	2.0	23.0
		1	3	22.12	21.82	21.94	2.0	23.0
		1	5	22.15	21.74	21.74	2.0	23.0
		3	0	21.98	21.80	21.72	2.0	23.0
		3	1	22.00	21.80	21.74	2.0	23.0
		3	3	22.03	21.81	21.73	2.0	23.0
		6	0	20.97	20.64	20.56	3.0	22.0
	256QAM	1	0	19.04	18.80	18.70	5.0	20.0
		1	3	19.06	18.77	18.72	5.0	20.0
		1	5	18.96	18.68	18.69	5.0	20.0
		3	0	18.92	18.65	18.61	5.0	20.0
		3	1	18.98	18.69	18.64	5.0	20.0
		3	3	18.92	18.70	18.62	5.0	20.0
		6	0	18.90	18.70	18.65	5.0	20.0

LTE Band 66 (ANT F)

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Average Power (dBm) Pmax			MPR	Tune-up Limit
				Measured Pwr (dBm)				
				132072	132322	132572		
				1720 MHz	1745 MHz	1770 MHz		
20 MHz	QPSK	1	0	23.03	23.94	24.09	0.0	25.0
		1	49	23.19	23.93	23.92	0.0	25.0
		1	99	23.86	24.01	23.90	0.0	25.0
		50	0	22.28	22.91	23.09	1.0	24.0
		50	24	22.50	22.98	22.99	1.0	24.0
		50	50	22.83	23.02	22.90	1.0	24.0
		100	0	22.60	22.94	23.08	1.0	24.0
	16QAM	1	0	22.42	23.18	23.31	1.0	24.0
		1	49	22.49	23.07	22.98	1.0	24.0
		1	99	23.11	23.21	22.96	1.0	24.0
		50	0	21.50	21.95	22.18	2.0	23.0
		50	24	21.72	21.97	22.02	2.0	23.0
		50	50	21.87	22.03	21.97	2.0	23.0
		100	0	21.82	21.97	22.14	2.0	23.0
	64QAM	1	0	21.87	22.16	22.20	2.0	23.0
		1	49	21.90	22.25	22.42	2.0	23.0
		1	99	21.93	22.21	22.34	2.0	23.0
		50	0	20.69	20.95	21.10	3.0	22.0
		50	24	20.80	20.94	21.18	3.0	22.0
		50	50	20.80	21.02	21.23	3.0	22.0
		100	0	20.78	20.93	21.14	3.0	22.0
	256QAM	1	0	18.74	19.10	19.40	5.0	20.0
		1	49	19.01	19.08	19.26	5.0	20.0
		1	99	19.05	19.27	19.47	5.0	20.0
		50	0	18.66	18.94	19.15	5.0	20.0
		50	24	18.79	18.98	19.15	5.0	20.0
		50	50	18.82	19.05	19.21	5.0	20.0
		100	0	18.78	18.95	19.14	5.0	20.0
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				132047	132322	132597		
				1717.5 MHz	1745 MHz	1772.5 MHz		
15 MHz	QPSK	1	0	23.63	24.00	23.51	0.0	25.0
		1	37	23.52	23.85	23.07	0.0	25.0
		1	74	23.74	24.03	23.37	0.0	25.0
		36	0	22.54	22.92	22.58	1.0	24.0
		36	20	22.58	22.93	22.37	1.0	24.0
		36	39	22.78	22.95	22.50	1.0	24.0
		75	0	22.63	22.92	22.56	1.0	24.0
	16QAM	1	0	22.56	23.04	22.79	1.0	24.0
		1	37	22.49	22.83	22.36	1.0	24.0
		1	74	22.89	23.21	22.69	1.0	24.0
		36	0	21.55	21.90	21.80	2.0	23.0
		36	20	21.63	21.96	21.59	2.0	23.0
		36	39	21.79	22.02	21.71	2.0	23.0
		75	0	21.74	21.96	21.79	2.0	23.0
	64QAM	1	0	21.33	22.11	22.33	2.0	23.0
		1	37	21.29	22.17	22.00	2.0	23.0
		1	74	21.84	22.25	22.23	2.0	23.0
		36	0	20.21	20.98	21.20	3.0	22.0
		36	20	20.27	20.98	21.00	3.0	22.0
		36	39	20.53	21.05	21.10	3.0	22.0
		75	0	20.47	20.95	21.16	3.0	22.0
	256QAM	1	0	18.69	19.00	19.21	5.0	20.0
		1	37	18.62	19.13	19.07	5.0	20.0
		1	74	19.01	19.19	19.49	5.0	20.0
		36	0	18.54	18.99	19.18	5.0	20.0
		36	20	18.62	18.95	19.17	5.0	20.0
		36	39	18.87	19.08	19.21	5.0	20.0
		75	0	18.78	18.97	19.18	5.0	20.0

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				132022	132322	132622		
				1715 MHz	1745 MHz	1775 MHz		
10 MHz	QPSK	1	0	23.68	23.97	24.20	0.0	25.0
		1	25	23.33	24.04	23.96	0.0	25.0
		1	49	23.77	24.10	24.19	0.0	25.0
		25	0	22.50	22.98	23.10	1.0	24.0
		25	12	22.46	23.00	23.04	1.0	24.0
		25	25	22.66	23.05	23.22	1.0	24.0
		50	0	22.55	22.96	23.14	1.0	24.0
	16QAM	1	0	22.81	23.11	23.29	1.0	24.0
		1	25	22.37	23.12	22.97	1.0	24.0
		1	49	23.02	23.12	23.39	1.0	24.0
		25	0	21.56	22.01	22.10	2.0	23.0
		25	12	21.52	22.03	22.09	2.0	23.0
		25	25	21.77	22.08	22.29	2.0	23.0
		50	0	21.68	21.97	22.20	2.0	23.0
	64QAM	1	0	21.79	22.11	22.53	2.0	23.0
		1	25	21.84	22.27	22.32	2.0	23.0
		1	49	21.84	22.21	22.43	2.0	23.0
		25	0	20.75	20.97	21.23	3.0	22.0
		25	12	20.83	21.03	21.27	3.0	22.0
		25	25	20.82	21.09	21.33	3.0	22.0
		50	0	20.74	20.96	21.24	3.0	22.0
	256QAM	1	0	18.85	19.05	19.34	5.0	20.0
		1	25	19.02	19.18	19.32	5.0	20.0
		1	49	18.93	19.23	19.36	5.0	20.0
		25	0	18.77	19.00	19.27	5.0	20.0
		25	12	18.90	19.03	19.28	5.0	20.0
		25	25	18.86	19.08	19.36	5.0	20.0
		50	0	18.85	18.99	19.24	5.0	20.0

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				131997	132322	132647		
				1712.5 MHz	1745 MHz	1777.5 MHz		
5 MHz	QPSK	1	0	23.66	23.89	24.28	0.0	25.0
		1	12	23.78	24.06	24.15	0.0	25.0
		1	24	23.65	23.97	24.22	0.0	25.0
		12	0	22.68	22.97	23.18	1.0	24.0
		12	7	22.75	22.96	23.23	1.0	24.0
		12	13	22.70	23.01	23.33	1.0	24.0
		25	0	22.68	22.94	23.22	1.0	24.0
	16QAM	1	0	22.80	23.14	23.29	1.0	24.0
		1	12	22.67	23.24	23.23	1.0	24.0
		1	24	22.86	23.09	23.45	1.0	24.0
		12	0	21.68	21.94	22.19	2.0	23.0
		12	7	21.72	21.96	22.25	2.0	23.0
		12	13	21.70	22.01	22.28	2.0	23.0
		25	0	21.72	21.96	22.24	2.0	23.0
	64QAM	1	0	21.80	22.14	22.44	2.0	23.0
		1	12	21.88	22.28	22.42	2.0	23.0
		1	24	21.97	22.20	22.39	2.0	23.0
		12	0	20.77	21.02	21.25	3.0	22.0
		12	7	20.78	20.98	21.29	3.0	22.0
		12	13	20.76	21.03	21.34	3.0	22.0
		25	0	20.75	20.91	21.21	3.0	22.0
	256QAM	1	0	18.73	19.03	19.29	5.0	20.0
		1	12	18.76	19.30	19.48	5.0	20.0
		1	24	18.77	19.19	19.39	5.0	20.0
		12	0	18.80	18.99	19.23	5.0	20.0
		12	7	18.83	19.01	19.24	5.0	20.0
		12	13	18.77	19.07	19.31	5.0	20.0
		25	0	18.73	18.99	19.27	5.0	20.0

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				131987	132322	132657		
				1711.5 MHz	1745 MHz	1778.5 MHz		
3 MHz	QPSK	1	0	23.50	24.00	24.10	0.0	25.0
		1	8	23.24	24.08	24.08	0.0	25.0
		1	14	23.10	24.00	24.10	0.0	25.0
		8	0	22.21	23.00	23.09	1.0	24.0
		8	4	22.19	23.03	23.13	1.0	24.0
		8	7	22.17	23.09	23.14	1.0	24.0
		15	0	22.14	22.99	23.09	1.0	24.0
	16QAM	1	0	22.20	23.26	22.95	1.0	24.0
		1	8	22.12	23.23	23.22	1.0	24.0
		1	14	22.12	23.23	23.24	1.0	24.0
		8	0	21.20	22.03	22.12	2.0	23.0
		8	4	21.21	22.10	22.20	2.0	23.0
		8	7	21.25	22.19	22.26	2.0	23.0
		15	0	21.20	22.01	22.23	2.0	23.0
	64QAM	1	0	21.79	22.18	22.36	2.0	23.0
		1	8	21.63	22.28	22.58	2.0	23.0
		1	14	21.57	22.11	22.35	2.0	23.0
		8	0	20.51	21.05	21.29	3.0	22.0
		8	4	20.52	21.09	21.34	3.0	22.0
		8	7	20.51	21.18	21.33	3.0	22.0
		15	0	20.48	21.03	21.35	3.0	22.0
	256QAM	1	0	18.76	19.15	19.36	5.0	20.0
		1	8	18.82	19.24	19.62	5.0	20.0
		1	14	18.83	19.19	19.56	5.0	20.0
		8	0	18.74	19.06	19.28	5.0	20.0
		8	4	18.77	19.10	19.32	5.0	20.0
		8	7	18.77	19.11	19.29	5.0	20.0
		15	0	18.72	19.09	19.27	5.0	20.0

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				131979	132322	132665		
				1710.7 MHz	1745 MHz	1779.3 MHz		
1.4 MHz	QPSK	1	0	23.38	24.11	24.21	0.0	25.0
		1	3	23.22	24.14	24.11	0.0	25.0
		1	5	23.11	24.06	24.04	0.0	25.0
		3	0	23.01	23.99	23.92	0.0	25.0
		3	1	22.94	23.95	23.88	0.0	25.0
		3	3	22.89	23.91	23.86	0.0	25.0
		6	0	22.05	23.03	23.06	1.0	24.0
	16QAM	1	0	22.02	23.16	23.13	1.0	24.0
		1	3	22.14	23.16	23.16	1.0	24.0
		1	5	22.10	23.15	23.15	1.0	24.0
		3	0	22.04	22.99	23.04	1.0	24.0
		3	1	22.05	23.02	23.07	1.0	24.0
		3	3	22.03	22.99	23.05	1.0	24.0
		6	0	21.24	21.96	22.23	2.0	23.0
	64QAM	1	0	21.75	22.19	22.38	2.0	23.0
		1	3	21.55	22.26	22.47	2.0	23.0
		1	5	21.46	22.24	22.38	2.0	23.0
		3	0	21.45	22.16	22.45	2.0	23.0
		3	1	21.41	22.14	22.42	2.0	23.0
		3	3	21.40	22.12	22.41	2.0	23.0
		6	0	20.36	21.09	21.36	3.0	22.0
	256QAM	1	0	18.67	19.25	19.54	5.0	20.0
		1	3	18.69	19.16	19.51	5.0	20.0
		1	5	18.65	19.25	19.49	5.0	20.0
		3	0	18.60	19.08	19.36	5.0	20.0
		3	1	18.64	19.14	19.31	5.0	20.0
		3	3	18.62	19.10	19.36	5.0	20.0
		6	0	18.53	19.16	19.47	5.0	20.0

LTE Band 66B (UL CA) (ANT B)

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB	PCC RB	SCC1 RB	SCC1 RB	Conducted Average Power (dBm)	
			Size	Offset	Size	Offset	QPSK	16QAM
20MHz (10MHz / 10MHz)	1715.0	1724.9	1	49	1	0	23.57	22.96
			1	0	1	49	13.71	13.87
			50	0	50	0	22.12	21.17
	1740.1	1750	1	49	1	0	23.90	23.14
			1	0	1	49	13.57	13.70
			50	0	50	0	22.03	21.05
	1765.1	1775.0	1	49	1	0	23.51	22.91
			1	0	1	49	13.53	13.78
			50	0	50	0	22.00	21.00

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB	PCC RB	SCC1 RB	SCC1 RB	Conducted Average Power (dBm)	
			Size	Offset	Size	Offset	QPSK	16QAM
15MHz (5MHz / 10MHz)	1712.5	1719.7	1	24	1	0	23.31	22.71
			1	0	1	49	14.19	14.45
			25	0	50	0	22.18	21.29
	1740.2	1747.5	1	24	1	0	23.93	23.39
			1	0	1	49	14.12	14.31
			25	0	50	0	22.12	21.09
	1767.8	1775.0	1	24	1	0	23.49	22.83
			1	0	1	49	14.01	14.23
			25	0	50	0	21.98	21.00

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB	PCC RB	SCC1 RB	SCC1 RB	Conducted Average Power (dBm)	
			Size	Offset	Size	Offset	QPSK	16QAM
10MHz (5MHz / 5MHz)	1712.5	1717.3	1	24	1	0	23.24	22.78
			1	0	1	24	14.23	14.45
			25	0	25	0	22.10	21.28
	1742.6	1747.4	1	24	1	0	24.08	23.27
			1	0	1	24	14.12	14.39
			25	0	25	0	22.12	21.15
	1772.7	1777.5	1	24	1	0	23.47	22.91
			1	0	1	24	14.08	14.25
			25	0	25	0	22.03	21.05

LTE Band 66B (UL CA) (ANT F)

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB	PCC RB	SCC1 RB	SCC1 RB	Conducted Average Power (dBm)	
			Size	Offset	Size	Offset	QPSK	16QAM
20MHz (10MHz / 10MHz)	1715.0	1724.9	1	49	1	0	23.77	23.01
			1	0	1	49	13.51	13.92
			50	0	50	0	22.01	21.05
	1740.1	1750	1	49	1	0	24.05	23.48
			1	0	1	49	13.74	14.08
			50	0	50	0	22.27	21.31
	1765.1	1775.0	1	49	1	0	23.53	23.05
			1	0	1	49	14.01	14.55
			50	0	50	0	22.49	21.50

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB	PCC RB	SCC1 RB	SCC1 RB	Conducted Average Power (dBm)	
			Size	Offset	Size	Offset	QPSK	16QAM
15MHz (5MHz / 10MHz)	1712.5	1719.7	1	24	1	0	22.96	22.37
			1	0	1	49	13.93	13.92
			25	0	50	0	21.75	20.72
	1740.2	1747.5	1	24	1	0	23.73	23.38
			1	0	1	49	14.23	14.75
			25	0	50	0	22.29	21.37
	1767.8	1775.0	1	24	1	0	23.22	23.04
			1	0	1	49	14.48	15.11
			25	0	50	0	22.19	21.28

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB	PCC RB	SCC1 RB	SCC1 RB	Conducted Average Power (dBm)	
			Size	Offset	Size	Offset	QPSK	16QAM
10MHz (5MHz / 5MHz)	1712.5	1717.3	1	24	1	0	22.67	22.26
			1	0	1	24	14.04	14.55
			25	0	25	0	21.42	20.59
	1742.6	1747.4	1	24	1	0	23.67	23.41
			1	0	1	24	14.33	14.83
			25	0	25	0	22.40	21.43
	1772.7	1777.5	1	24	1	0	23.30	23.02
			1	0	1	24	14.58	14.99
			25	0	25	0	22.26	21.24

LTE Band 66C (UL CA) (ANT B)

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB Size	PCC RB Offset	SCC1 RB Size	SCC1 RB Offset	Conducted Average Power (dBm) QPSK	Conducted Average Power (dBm) 16QAM
40MHz (20MHz / 20MHz)	1720.0	1739.8	1	99	1	0	23.00	22.16
			1	0	1	99	15.72	15.86
			100	0	100	0	21.76	20.77
	1735.1	1754.9	1	99	1	0	23.64	22.91
			1	0	1	99	15.64	15.76
			100	0	100	0	21.95	21.11
	1750.2	1770.0	1	99	1	0	23.15	22.37
			1	0	1	99	15.53	15.82
			100	0	100	0	21.92	21.02

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB Size	PCC RB Offset	SCC1 RB Size	SCC1 RB Offset	Conducted Average Power (dBm) QPSK	Conducted Average Power (dBm) 16QAM
35MHz (15MHz / 20MHz)	1717.8	1734.6	1	74	1	0	22.56	21.90
			1	0	1	99	15.70	15.90
			75	0	100	0	21.38	20.52
	1735.3	1752.3	1	74	1	0	23.51	22.84
			1	0	1	99	15.58	15.72
			75	0	100	0	21.85	21.03
	1752.9	1770.0	1	74	1	0	22.78	22.10
			1	0	1	99	15.54	15.75
			75	0	100	0	21.88	21.01

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB Size	PCC RB Offset	SCC1 RB Size	SCC1 RB Offset	Conducted Average Power (dBm) QPSK	Conducted Average Power (dBm) 16QAM
30MHz (15MHz / 15MHz)	1717.5	1732.5	1	74	1	0	22.53	22.03
			1	0	1	74	15.73	15.91
			75	0	75	0	21.32	20.46
	1737.5	1752.5	1	74	1	0	23.63	22.87
			1	0	1	74	15.60	15.79
			75	0	75	0	21.91	21.08
	1757.5	1772.5	1	74	1	0	22.68	22.05
			1	0	1	74	15.54	15.73
			75	0	75	0	21.53	20.74

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB Size	PCC RB Offset	SCC1 RB Size	SCC1 RB Offset	Conducted Average Power (dBm) QPSK	Conducted Average Power (dBm) 16QAM
25MHz (5MHz / 20MHz)	1712.5	1724.2	1	24	1	0	22.33	22.02
			1	0	1	99	15.74	16.28
			25	0	100	0	21.03	20.19
	1735.6	1747.3	1	24	1	0	23.01	22.35
			1	0	1	99	15.45	16.06
			25	0	100	0	21.63	20.72
	1758.3	1770.0	1	24	1	0	22.21	21.90
			1	0	1	99	15.37	15.84
			25	0	100	0	21.20	20.50

LTE Band 66C (UL CA) (ANT F)

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB	PCC RB	SCC1 RB	SCC1 RB	Conducted Average Power (dBm)	
			Size	Offset	Size	Offset	QPSK	16QAM
40MHz (20MHz / 20MHz)	1720.0	1739.8	1	99	1	0	22.56	22.15
			1	0	1	99	15.71	16.19
			100	0	100	0	21.01	20.11
	1735.1	1754.9	1	99	1	0	23.60	22.71
			1	0	1	99	15.75	16.62
			100	0	100	0	21.69	20.79
	1750.2	1770.0	1	99	1	0	22.95	22.75
			1	0	1	99	15.79	16.44
			100	0	100	0	21.66	20.86

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB	PCC RB	SCC1 RB	SCC1 RB	Conducted Average Power (dBm)	
			Size	Offset	Size	Offset	QPSK	16QAM
35MHz (15MHz / 20MHz)	1717.8	1734.6	1	74	1	0	22.35	21.86
			1	0	1	99	15.60	16.12
			75	0	100	0	20.87	19.95
	1735.3	1752.3	1	74	1	0	22.95	22.63
			1	0	1	99	15.92	16.40
			75	0	100	0	21.66	20.84
	1752.9	1770.0	1	74	1	0	22.96	22.58
			1	0	1	99	15.95	16.41
			75	0	100	0	21.68	20.78

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB	PCC RB	SCC1 RB	SCC1 RB	Conducted Average Power (dBm)	
			Size	Offset	Size	Offset	QPSK	16QAM
30MHz (15MHz / 15MHz)	1717.5	1732.5	1	74	1	0	22.53	22.16
			1	0	1	74	15.91	16.52
			75	0	75	0	21.67	20.68
	1737.5	1752.5	1	74	1	0	22.96	22.44
			1	0	1	74	15.91	16.48
			75	0	75	0	21.60	20.73
	1757.5	1772.5	1	74	1	0	22.52	21.97
			1	0	1	74	16.08	16.49
			75	0	75	0	21.49	20.55

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB	PCC RB	SCC1 RB	SCC1 RB	Conducted Average Power (dBm)	
			Size	Offset	Size	Offset	QPSK	16QAM
25MHz (5MHz / 20MHz)	1712.5	1724.2	1	24	1	0	22.82	22.48
			1	0	1	99	15.66	16.21
			25	0	100	0	21.69	20.71
	1735.6	1747.3	1	24	1	0	23.38	23.34
			1	0	1	99	15.97	16.60
			25	0	100	0	22.34	21.36
	1758.3	1770.0	1	24	1	0	23.52	23.23
			1	0	1	99	16.04	16.81
			25	0	100	0	22.47	21.54

LTE Band 71

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Average Power (dBm) Pmax			MPR	Tune-up Limit
				Measured Pwr (dBm)				
				133222	133297	133372		
				673 MHz	680.5 MHz	688 MHz		
20 MHz	QPSK	1	0	23.92	24.07	23.74	0.0	25.5
		1	49	23.85	24.08	23.67	0.0	25.5
		1	99	23.73	23.89	23.43	0.0	25.5
		50	0	22.90	23.11	22.80	1.0	24.5
		50	24	22.92	23.06	22.74	1.0	24.5
		50	50	22.83	22.97	22.66	1.0	24.5
		100	0	22.95	23.05	22.77	1.0	24.5
	16QAM	1	0	23.35	23.35	23.21	1.0	24.5
		1	49	23.27	23.40	23.13	1.0	24.5
		1	99	23.13	23.19	22.82	1.0	24.5
		50	0	21.92	22.12	21.80	2.0	23.5
		50	24	21.93	22.07	21.72	2.0	23.5
		50	50	21.83	21.98	21.62	2.0	23.5
		100	0	21.95	22.04	21.75	2.0	23.5
	64QAM	1	0	22.08	22.24	21.94	2.0	23.5
		1	49	22.07	22.24	21.80	2.0	23.5
		1	99	21.93	21.98	21.61	2.0	23.5
		50	0	20.91	21.07	20.75	3.0	22.5
		50	24	20.91	21.04	20.71	3.0	22.5
		50	50	20.81	20.96	20.60	3.0	22.5
		100	0	20.95	21.03	20.74	3.0	22.5
	256QAM	1	0	19.16	19.26	18.88	5.0	20.5
		1	49	19.05	19.24	18.72	5.0	20.5
		1	99	19.02	19.14	18.63	5.0	20.5
		50	0	18.93	19.09	18.78	5.0	20.5
		50	24	18.92	19.07	18.72	5.0	20.5
		50	50	18.86	19.00	18.67	5.0	20.5
		100	0	18.95	19.04	18.75	5.0	20.5

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				133197	133297	133397		
				670.5 MHz	680.5 MHz	690.5 MHz		
15 MHz	QPSK	1	0	24.26	24.12	24.01	0.0	25.5
		1	37	24.22	24.14	23.91	0.0	25.5
		1	74	24.22	23.95	23.79	0.0	25.5
		36	0	23.21	23.14	23.02	1.0	24.5
		36	20	23.25	23.11	22.98	1.0	24.5
		36	39	23.23	23.03	22.87	1.0	24.5
		75	0	23.30	23.09	23.01	1.0	24.5
	16QAM	1	0	23.45	23.41	23.33	1.0	24.5
		1	37	23.52	23.43	23.22	1.0	24.5
		1	74	23.41	23.27	23.07	1.0	24.5
		36	0	22.24	22.12	22.03	2.0	23.5
		36	20	22.28	22.11	21.97	2.0	23.5
		36	39	22.25	22.03	21.84	2.0	23.5
		75	0	22.29	22.07	21.99	2.0	23.5
	64QAM	1	0	22.36	22.31	22.13	2.0	23.5
		1	37	22.35	22.27	22.02	2.0	23.5
		1	74	22.25	22.02	21.77	2.0	23.5
		36	0	21.18	21.08	20.97	3.0	22.5
		36	20	21.20	21.04	20.91	3.0	22.5
		36	39	21.15	20.93	20.75	3.0	22.5
		75	0	21.21	21.04	20.94	3.0	22.5
	256QAM	1	0	19.34	19.30	19.12	5.0	20.5
		1	37	19.18	19.26	18.95	5.0	20.5
		1	74	19.22	19.11	18.82	5.0	20.5
		36	0	19.19	19.11	18.97	5.0	20.5
		36	20	19.17	19.03	18.92	5.0	20.5
		36	39	19.11	18.96	18.79	5.0	20.5
		75	0	19.21	19.04	18.93	5.0	20.5

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				133172	133297	133422		
				668 MHz	680.5 MHz	693 MHz		
10 MHz	QPSK	1	0	24.40	24.21	24.06	0.0	25.5
		1	25	24.35	24.22	24.02	0.0	25.5
		1	49	24.27	24.04	23.92	0.0	25.5
		25	0	23.36	23.20	23.09	1.0	24.5
		25	12	23.42	23.18	23.08	1.0	24.5
		25	25	23.38	23.10	23.00	1.0	24.5
		50	0	23.41	23.14	23.07	1.0	24.5
	16QAM	1	0	23.76	23.33	23.38	1.0	24.5
		1	25	23.64	23.33	23.32	1.0	24.5
		1	49	23.63	23.19	23.21	1.0	24.5
		25	0	22.38	22.21	22.10	2.0	23.5
		25	12	22.44	22.20	22.09	2.0	23.5
		25	25	22.45	22.13	21.98	2.0	23.5
		50	0	22.40	22.18	22.06	2.0	23.5
	64QAM	1	0	22.51	22.47	22.17	2.0	23.5
		1	25	22.52	22.40	22.14	2.0	23.5
		1	49	22.35	22.19	21.94	2.0	23.5
		25	0	21.35	21.19	21.01	3.0	22.5
		25	12	21.40	21.17	21.00	3.0	22.5
		25	25	21.31	21.04	20.85	3.0	22.5
		50	0	21.38	21.12	20.97	3.0	22.5
	256QAM	1	0	19.38	19.26	19.07	5.0	20.5
		1	25	19.37	19.32	19.03	5.0	20.5
		1	49	19.24	19.07	18.80	5.0	20.5
		25	0	19.31	19.15	18.97	5.0	20.5
		25	12	19.36	19.14	18.97	5.0	20.5
		25	25	19.31	19.06	18.80	5.0	20.5
		50	0	19.33	19.10	18.96	5.0	20.5

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				133147	133297	133447		
				665.5 MHz	680.5 MHz	695.5 MHz		
5 MHz	QPSK	1	0	24.38	24.20	23.88	0.0	25.5
		1	12	24.40	24.28	23.95	0.0	25.5
		1	24	24.33	24.18	23.83	0.0	25.5
		12	0	23.36	23.21	23.00	1.0	24.5
		12	7	23.45	23.24	22.99	1.0	24.5
		12	13	23.38	23.19	22.94	1.0	24.5
		25	0	23.39	23.19	22.98	1.0	24.5
	16QAM	1	0	23.76	23.63	23.33	1.0	24.5
		1	12	23.81	23.75	23.34	1.0	24.5
		1	24	23.74	23.66	23.25	1.0	24.5
		12	0	22.36	22.25	22.02	2.0	23.5
		12	7	22.44	22.28	22.02	2.0	23.5
		12	13	22.38	22.24	21.97	2.0	23.5
		25	0	22.41	22.22	21.98	2.0	23.5
	64QAM	1	0	22.45	22.43	21.99	2.0	23.5
		1	12	22.46	22.52	22.05	2.0	23.5
		1	24	22.40	22.36	21.89	2.0	23.5
		12	0	21.34	21.21	20.91	3.0	22.5
		12	7	21.43	21.24	20.94	3.0	22.5
		12	13	21.39	21.18	20.87	3.0	22.5
		25	0	21.40	21.18	20.88	3.0	22.5
	256QAM	1	0	19.48	19.28	18.93	5.0	20.5
		1	12	19.58	19.39	18.95	5.0	20.5
		1	24	19.46	19.20	18.74	5.0	20.5
		12	0	19.30	19.18	18.86	5.0	20.5
		12	7	19.40	19.18	18.90	5.0	20.5
		12	13	19.35	19.15	18.84	5.0	20.5
		25	0	19.34	19.16	18.83	5.0	20.5

NR Band n7 (ANT B)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Average Power (dBm) Pmax			MPR	Tune-up Limit
					Measured Pwr (dBm)				
					504000	507000	510000		
					2520 MHz	2535 MHz	2550 MHz		
40 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.06	22.70	22.65	0.0	24.0
			1	108	23.02	23.11	22.15	0.0	24.0
			1	214	22.94	23.24	22.41	0.0	24.0
			108	0	22.23	22.32	22.01	0.5	23.5
			108	54	23.13	23.18	23.09	0.0	24.0
			108	108	22.05	22.31	22.23	0.5	23.5
			216	0	22.15	22.32	21.95	0.5	23.5
		QPSK	1	1	22.97	22.80	22.52	0.0	24.0
			1	108	23.16	23.26	22.17	0.0	24.0
			1	214	23.02	23.33	22.40	0.0	24.0
			108	0	22.27	22.39	22.06	1.0	23.0
			108	54	23.19	23.20	23.13	0.0	24.0
			108	108	22.11	22.33	22.26	1.0	23.0
			216	0	22.15	22.33	22.17	1.0	23.0
		16QAM	1	1	21.99	22.10	21.99	1.0	23.0
			1	108	22.13	22.24	21.73	1.0	23.0
			1	214	22.03	22.41	21.92	1.0	23.0
		64QAM	1	1	21.10	21.14	20.67	2.5	21.5
		256QAM	1	1	17.42	18.53	18.08	4.5	19.5
	CP-OFDM	QPSK	1	1	21.94	21.93	21.60	1.5	22.5
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					503000	507000	511000		
					2515 MHz	2535 MHz	2555 MHz		
30 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.38	23.10	22.78	0.0	24.0
			1	80	23.11	22.96	22.66	0.0	24.0
			1	158	22.87	23.10	22.66	0.0	24.0
			80	0	22.23	22.06	22.08	0.5	23.5
			80	40	23.13	23.00	23.18	0.0	24.0
			80	80	22.04	21.96	22.29	0.5	23.5
			160	0	22.20	22.11	22.00	0.5	23.5
		QPSK	1	1	23.44	23.28	22.76	0.0	24.0
			1	80	23.24	23.11	22.72	0.0	24.0
			1	158	23.01	23.13	22.68	0.0	24.0
			80	0	22.31	22.16	22.12	1.0	23.0
			80	40	23.18	23.02	23.22	0.0	24.0
			80	80	22.08	22.02	22.32	1.0	23.0
			160	0	22.21	22.06	22.20	1.0	23.0
		16QAM	1	1	22.45	22.19	22.11	1.0	23.0
		64QAM	1	1	21.08	20.87	20.70	2.5	21.5
		256QAM	1	1	18.47	18.23	18.05	4.5	19.5
	CP-OFDM	QPSK	1	1	21.92	21.79	21.59	1.5	22.5
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					502500	507000	511500		
					2512.5 MHz	2535 MHz	2557.5 MHz		
25 MHz	DFT-s-OFDM	π/2 BPSK	1	1	22.97	23.05	22.89	0.0	24.0
			1	67	23.14	22.94	23.03	0.0	24.0
			1	131	22.98	23.06	22.98	0.0	24.0
			64	0	22.32	22.10	22.11	0.5	23.5
			64	35	23.24	23.04	23.12	0.0	24.0
			64	69	22.22	22.03	22.22	0.5	23.5
			128	0	22.24	22.10	22.11	0.5	23.5
		QPSK	1	1	23.12	23.14	22.92	0.0	24.0
			1	67	23.18	23.05	22.90	0.0	24.0
			1	131	23.13	23.14	22.76	0.0	24.0
			64	0	22.33	22.09	22.15	1.0	23.0
			64	35	23.21	23.03	23.09	0.0	24.0
			64	69	22.27	22.07	22.24	1.0	23.0
			128	0	22.28	22.09	22.19	1.0	23.0
		16QAM	1	1	22.40	22.18	22.04	1.0	23.0
		64QAM	1	1	21.00	20.75	20.59	2.5	21.5
		256QAM	1	1	18.75	18.61	18.39	4.5	19.5
	CP-OFDM	QPSK	1	1	21.82	21.62	21.50	1.5	22.5

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					502000	507000	512000		
					2510 MHz	2535 MHz	2560 MHz		
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.23	22.91	23.02	0.0	24.0
			1	53	23.13	22.94	22.49	0.0	24.0
			1	104	22.45	22.95	21.99	0.0	24.0
			50	0	22.42	22.12	22.31	0.5	23.5
			50	28	22.90	23.12	23.36	0.0	24.0
			50	56	22.41	22.07	22.42	0.5	23.5
			100	0	22.42	22.09	22.40	0.5	23.5
		QPSK	1	1	23.15	22.89	23.20	0.0	24.0
			1	53	23.09	23.05	23.22	0.0	24.0
			1	104	22.47	23.14	22.77	0.0	24.0
			50	0	22.41	22.13	22.39	1.0	23.0
			50	28	22.89	23.13	23.36	0.0	24.0
			50	56	22.41	22.09	22.45	1.0	23.0
			100	0	22.50	22.19	22.42	1.0	23.0
		16QAM	1	1	22.18	21.82	22.18	1.0	23.0
			1	53	22.16	22.14	22.25	1.0	23.0
			1	104	21.45	22.10	21.81	1.0	23.0
		64QAM	1	1	21.06	20.77	20.96	2.5	21.5
		256QAM	1	1	18.43	18.16	18.28	4.5	19.5
	CP-OFDM	QPSK	1	1	21.52	21.52	21.76	1.5	22.5
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					501500	507000	512500		
					2507.5 MHz	2535 MHz	2562.5 MHz		
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.09	22.80	23.19	0.0	24.0
			1	40	22.98	23.20	22.87	0.0	24.0
			1	77	22.45	23.28	22.48	0.0	24.0
			36	0	22.27	21.99	22.34	0.5	23.5
			36	22	23.12	23.03	23.45	0.0	24.0
			36	43	22.31	22.00	22.39	0.5	23.5
			75	0	22.33	22.05	22.49	0.5	23.5
		QPSK	1	1	23.06	23.02	23.28	0.0	24.0
			1	40	23.04	22.97	23.34	0.0	24.0
			1	77	22.56	23.12	22.99	0.0	24.0
			36	0	22.34	22.09	22.38	1.0	23.0
			36	22	23.12	23.05	23.45	0.0	24.0
			36	43	22.34	22.09	22.48	1.0	23.0
			75	0	22.35	22.13	22.51	1.0	23.0
		16QAM	1	1	22.11	22.13	22.28	1.0	23.0
		64QAM	1	1	20.97	20.75	20.99	2.5	21.5
		256QAM	1	1	17.62	18.06	18.29	4.5	19.5
	CP-OFDM	QPSK	1	1	21.66	21.58	21.81	1.5	22.5
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					501000	507000	513000		
					2505 MHz	2535 MHz	2565 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	22.79	22.93	22.85	0.0	24.0
			1	26	23.09	22.95	22.83	0.0	24.0
			1	50	22.78	22.95	22.29	0.0	24.0
			25	0	22.19	22.03	22.33	0.5	23.5
			25	14	22.22	23.03	23.18	0.0	24.0
			25	27	22.19	22.07	22.40	0.5	23.5
			50	0	22.20	22.03	22.32	0.5	23.5
		QPSK	1	1	22.85	23.00	23.04	0.0	24.0
			1	26	23.17	23.05	23.12	0.0	24.0
			1	50	22.89	23.06	22.66	0.0	24.0
			25	0	22.26	22.09	22.33	1.0	23.0
			25	14	23.23	23.04	23.06	0.0	24.0
			25	27	22.25	22.07	22.39	1.0	23.0
			50	0	22.23	22.06	22.32	1.0	23.0
		16QAM	1	1	21.74	22.07	22.08	1.0	23.0
		64QAM	1	1	21.03	20.74	20.97	2.5	21.5
		256QAM	1	1	18.34	18.02	18.28	4.5	19.5
	CP-OFDM	QPSK	1	1	21.33	21.57	21.40	1.5	22.5

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					500500	507000	513500		
					2502.5 MHz	2535 MHz	2567.5 MHz		
5 MHz	DFT-s-OFDM	π/2 BPSK	1	1	22.77	22.91	23.00	0.0	24.0
			1	13	22.87	22.93	22.68	0.0	24.0
			1	23	23.07	22.95	22.44	0.0	24.0
			12	0	22.33	22.00	22.36	0.5	23.5
			12	7	23.26	23.04	23.20	0.0	24.0
			12	13	22.32	22.10	22.42	0.5	23.5
			25	0	22.35	22.04	22.36	0.5	23.5
		QPSK	1	1	22.74	22.97	23.02	0.0	24.0
			1	13	22.91	23.05	22.79	0.0	24.0
			1	23	23.17	23.05	22.60	0.0	24.0
			12	0	22.50	22.02	22.35	1.0	23.0
			12	7	22.28	23.06	23.18	0.0	24.0
			12	13	22.39	22.13	22.39	1.0	23.0
			25	0	22.29	22.05	22.23	1.0	23.0
		16QAM	1	1	21.91	22.07	22.12	1.0	23.0
		64QAM	1	1	20.70	20.78	20.97	2.5	21.5
		256QAM	1	1	18.16	17.99	17.67	4.5	19.5
	CP-OFDM	QPSK	1	1	21.50	21.58	21.59	1.5	22.5

NR Band n7 (ANT F)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)			MPR	Tune-up Limit
					Measured Pwr (dBm)				
					504000	507000	510000		
					2520 MHz	2535 MHz	2550 MHz		
40 MHz	DFT-s-OFDM	π/2 BPSK	1	1	22.21	23.30	23.18	0.0	24.0
			1	108	23.30	23.33	23.65	0.0	24.0
			1	214	22.99	23.49	23.02	0.0	24.0
			108	0	22.26	22.34	22.40	0.5	23.5
			108	54	23.18	23.39	23.23	0.0	24.0
			108	108	22.28	22.41	22.39	0.5	23.5
			216	0	22.22	22.42	21.58	0.5	23.5
		QPSK	1	1	22.24	23.47	23.76	0.0	24.0
			1	108	23.34	23.39	23.29	0.0	24.0
			1	214	23.07	23.58	23.60	0.0	24.0
			108	0	22.30	22.36	21.94	1.0	23.0
			108	54	23.26	23.39	23.25	0.0	24.0
			108	108	22.29	22.46	22.45	1.0	23.0
			216	0	22.23	22.43	21.74	1.0	23.0
		16QAM	1	1	21.50	22.40	21.30	1.0	23.0
			1	108	22.31	22.50	22.88	1.0	23.0
			1	214	22.31	22.58	22.17	1.0	23.0
		64QAM	1	1	20.59	21.13	21.32	2.5	21.5
		256QAM	1	1	18.33	17.52	18.23	4.5	19.5
	CP-OFDM	QPSK	1	1	22.18	22.00	21.71	1.5	22.5

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					503000	507000	511000		
					2515 MHz	2535 MHz	2555 MHz		
30 MHz	DFT-s-OFDM	π/2 BPSK	1	1	22.83	23.42	22.64	0.0	24.0
			1	80	23.03	23.40	23.20	0.0	24.0
			1	158	23.04	23.49	22.25	0.0	24.0
			80	0	22.13	22.44	22.18	0.5	23.5
			80	40	23.11	23.38	23.26	0.0	24.0
			80	80	21.99	22.47	22.32	0.5	23.5
			160	0	22.12	22.45	22.27	0.5	23.5
		QPSK	1	1	22.79	23.54	22.14	0.0	24.0
			1	80	23.14	23.47	22.79	0.0	24.0
			1	158	23.15	23.56	21.80	0.0	24.0
			80	0	22.16	22.48	22.20	1.0	23.0
			80	40	23.09	23.43	23.27	0.0	24.0
			80	80	22.08	22.47	22.29	1.0	23.0
			160	0	22.13	22.45	22.27	1.0	23.0
		16QAM	1	1	21.77	22.53	21.96	1.0	23.0
		64QAM	1	1	20.85	21.27	20.88	2.5	21.5
		256QAM	1	1	18.23	18.58	18.22	4.5	19.5
	CP-OFDM	QPSK	1	1	21.67	22.10	21.73	1.5	22.5

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					502500	507000	511500		
					2512.5 MHz	2535 MHz	2557.5 MHz		
25 MHz	DFT-s-OFDM	π/2 BPSK	1	1	22.52	23.26	23.10	0.0	24.0
			1	67	23.09	23.26	23.19	0.0	24.0
			1	131	23.05	23.29	22.57	0.0	24.0
			64	0	22.21	22.34	22.18	0.5	23.5
			64	35	23.21	23.33	23.35	0.0	24.0
			64	69	22.16	22.38	22.36	0.5	23.5
			128	0	22.21	22.33	22.31	0.5	23.5
		QPSK	1	1	22.51	23.39	23.10	0.0	24.0
			1	67	23.19	23.28	23.24	0.0	24.0
			1	131	23.12	23.44	22.81	0.0	24.0
			64	0	22.25	22.38	22.22	1.0	23.0
			64	35	23.17	23.34	23.32	0.0	24.0
			64	69	22.14	22.42	22.36	1.0	23.0
			128	0	22.22	22.38	22.32	1.0	23.0
		16QAM	1	1	21.79	22.35	22.18	1.0	23.0
		64QAM	1	1	20.42	21.04	20.76	2.5	21.5
		256QAM	1	1	18.62	18.80	18.50	4.5	19.5
	CP-OFDM	QPSK	1	1	21.68	21.89	21.64	1.5	22.5

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					502000	507000	512000		
					2510 MHz	2535 MHz	2560 MHz		
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1	22.74	23.03	23.19	0.0	24.0
			1	53	23.14	23.08	23.34	0.0	24.0
			1	104	23.15	23.13	22.88	0.0	24.0
			50	0	22.31	22.19	22.44	0.5	23.5
			50	28	23.21	23.18	23.60	0.0	24.0
			50	56	22.33	22.12	22.64	0.5	23.5
			100	0	22.38	22.21	22.56	0.5	23.5
		QPSK	1	1	22.77	23.15	23.34	0.0	24.0
			1	53	23.24	23.15	23.56	0.0	24.0
			1	104	23.28	23.19	22.88	0.0	24.0
			50	0	22.40	22.20	22.50	1.0	23.0
			50	28	23.25	23.19	23.57	0.0	24.0
			50	56	22.31	22.15	22.64	1.0	23.0
			100	0	22.40	22.24	22.59	1.0	23.0
		16QAM	1	1	21.70	22.16	22.34	1.0	23.0
			1	53	22.24	22.18	22.47	1.0	23.0
			1	104	22.21	22.24	21.80	1.0	23.0
		64QAM	1	1	20.90	20.85	21.00	2.5	21.5
		256QAM	1	1	18.36	18.23	18.38	4.5	19.5
	CP-OFDM	QPSK	1	1	21.21	21.73	21.81	1.5	22.5

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					501500	507000	512500		
					2507.5 MHz	2535 MHz	2562.5 MHz		
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.01	23.02	23.29	0.0	24.0
			1	40	23.07	23.02	23.45	0.0	24.0
			1	77	23.02	23.15	22.91	0.0	24.0
			36	0	22.21	22.13	23.21	0.5	23.5
			36	22	23.25	23.13	23.34	0.0	24.0
			36	43	22.24	22.12	23.00	0.5	23.5
			75	0	22.27	22.17	22.91	0.5	23.5
		QPSK	1	1	22.94	23.10	23.37	0.0	24.0
			1	40	23.24	23.09	23.50	0.0	24.0
			1	77	23.20	23.14	22.80	0.0	24.0
			36	0	22.29	22.19	22.55	1.0	23.0
			36	22	23.31	23.14	23.55	0.0	24.0
			36	43	22.32	22.15	22.62	1.0	23.0
			75	0	22.32	22.23	22.54	1.0	23.0
		16QAM	1	1	21.97	22.11	22.36	1.0	23.0
		64QAM	1	1	20.87	20.82	21.07	2.5	21.5
		256QAM	1	1	18.30	18.17	18.37	4.5	19.5
	CP-OFDM	QPSK	1	1	21.73	21.69	21.88	1.5	22.5

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					501000	507000	513000		
					2505 MHz	2535 MHz	2565 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.01	23.00	23.16	0.0	24.0
			1	26	23.02	23.09	22.76	0.0	24.0
			1	50	22.98	23.13	22.16	0.0	24.0
			25	0	22.05	22.07	22.46	0.5	23.5
			25	14	23.11	23.08	23.45	0.0	24.0
			25	27	22.07	22.03	22.43	0.5	23.5
			50	0	22.09	22.07	22.48	0.5	23.5
		QPSK	1	1	22.99	23.07	23.37	0.0	24.0
			1	26	23.10	23.11	23.36	0.0	24.0
			1	50	23.09	23.16	22.77	0.0	24.0
			25	0	22.93	22.11	22.90	1.0	23.0
			25	14	22.11	23.07	23.42	0.0	24.0
			25	27	22.08	22.09	22.48	1.0	23.0
			50	0	22.11	22.08	22.46	1.0	23.0
		16QAM	1	1	22.00	22.11	22.33	1.0	23.0
		64QAM	1	1	20.69	20.80	21.09	2.5	21.5
		256QAM	1	1	18.05	18.08	18.38	4.5	19.5
	CP-OFDM	QPSK	1	1	21.45	21.62	21.79	1.5	22.5

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					500500	507000	513500		
					2502.5 MHz	2535 MHz	2567.5 MHz		
5 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.00	22.93	23.30	0.0	24.0
			1	13	23.04	22.98	23.18	0.0	24.0
			1	23	23.06	23.02	22.90	0.0	24.0
			12	0	22.11	21.98	22.41	0.5	23.5
			12	7	23.13	23.07	23.43	0.0	24.0
			12	13	22.17	22.11	22.57	0.5	23.5
			25	0	22.15	22.06	22.46	0.5	23.5
		QPSK	1	1	23.08	23.03	23.43	0.0	24.0
			1	13	23.16	23.04	23.32	0.0	24.0
			1	23	23.11	23.04	23.13	0.0	24.0
			12	0	22.11	22.03	22.44	1.0	23.0
			12	7	23.13	23.10	23.47	0.0	24.0
			12	13	22.25	22.12	22.62	1.0	23.0
			25	0	22.12	22.05	22.45	1.0	23.0
		16QAM	1	1	22.16	22.14	22.42	1.0	23.0
		64QAM	1	1	20.80	20.75	21.10	2.5	21.5
		256QAM	1	1	18.12	18.02	18.46	4.5	19.5
	CP-OFDM	QPSK	1	1	21.62	21.61	21.92	1.5	22.5

NR Band n12

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)			MPR	Tune-up Limit
					Measured Pwr (dBm)				
					141300	141500	141700		
					706.5 MHz	707.5 MHz	708.5 MHz		
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.11	24.40	24.23	0.0	25.5
			1	40	24.33	24.33	24.30	0.0	25.5
			1	77	24.14	24.12	23.99	0.0	25.5
			36	0	23.52	23.49	23.52	0.5	25.0
			36	22	24.49	24.49	24.48	0.0	25.5
			36	43	23.41	23.44	23.29	0.5	25.0
			75	0	23.55	23.51	23.50	0.5	25.0
		QPSK	1	1	23.99	24.57	24.51	0.0	25.5
			1	40	24.47	24.53	24.46	0.0	25.5
			1	77	24.36	24.33	24.15	0.0	25.5
			36	0	23.58	23.57	23.55	1.0	24.5
			36	22	24.52	24.51	24.50	0.0	25.5
			36	43	23.45	23.45	23.31	1.0	24.5
			75	0	23.54	23.52	23.52	1.0	24.5
		16QAM	1	1	22.98	23.59	23.50	1.0	24.5
			1	40	23.40	23.41	23.38	1.0	24.5
			1	77	23.20	23.24	23.06	1.0	24.5
		64QAM	1	1	22.06	22.25	22.24	2.5	23.0
		256QAM	1	1	19.54	19.64	19.59	4.5	21.0
	CP-OFDM	QPSK	1	1	22.77	22.85	22.55	1.5	24.0
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					140800	141500	142200		
					704 MHz	707.5 MHz	711 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.74	24.38	24.17	0.0	25.5
			1	26	24.24	24.26	23.53	0.0	25.5
			1	50	24.22	24.15	23.88	0.0	25.5
			25	0	23.37	23.39	23.28	0.5	25.0
			25	14	24.38	24.37	24.14	0.0	25.5
			25	27	23.29	23.25	23.07	0.5	25.0
			50	0	23.37	23.41	23.17	0.5	25.0
		QPSK	1	1	23.96	24.47	24.37	0.0	25.5
			1	26	24.34	24.34	24.31	0.0	25.5
			1	50	24.27	24.29	24.02	0.0	25.5
			25	0	23.43	23.44	23.34	1.0	24.5
			25	14	24.39	24.40	24.19	0.0	25.5
			25	27	23.34	23.29	23.09	1.0	24.5
			50	0	23.38	23.40	23.31	1.0	24.5
		16QAM	1	1	22.57	23.39	23.33	1.0	24.5
		64QAM	1	1	21.60	22.10	22.07	2.5	23.0
		256QAM	1	1	19.42	19.39	19.31	4.5	21.0
	CP-OFDM	QPSK	1	1	22.38	22.40	22.30	1.5	24.0
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					140300	141500	142700		
					701.5 MHz	707.5 MHz	713.5 MHz		
5 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.34	24.32	24.09	0.0	25.5
			1	13	24.31	24.30	24.03	0.0	25.5
			1	23	24.32	24.16	23.96	0.0	25.5
			12	0	23.43	23.40	23.19	0.5	25.0
			12	7	24.44	24.36	24.09	0.0	25.5
			12	13	23.37	23.36	23.06	0.5	25.0
			25	0	23.44	23.37	23.13	0.5	25.0
		QPSK	1	1	24.45	24.35	24.23	0.0	25.5
			1	13	24.57	24.37	24.16	0.0	25.5
			1	23	24.49	24.33	24.17	0.0	25.5
			12	0	23.46	23.41	23.26	1.0	24.5
			12	7	24.46	24.40	24.10	0.0	25.5
			12	13	23.44	23.37	23.12	1.0	24.5
			25	0	23.43	23.41	23.13	1.0	24.5
		16QAM	1	1	23.46	23.40	23.16	1.0	24.5
		64QAM	1	1	22.10	22.08	21.90	2.5	23.0
		256QAM	1	1	19.46	19.41	19.18	4.5	21.0
	CP-OFDM	QPSK	1	1	22.88	22.84	23.20	1.5	24.0

NR Band n30 (ANT B)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Average Power (dBm) Pamx			MPR	Tune-up Limit
					Measured Pwr (dBm)				
						462000			
						2310 MHz			
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1		21.86		0.0	23.5
			1	26		22.16		0.0	23.5
			1	50		21.95		0.0	23.5
			25	0		21.79		0.5	23.0
			25	14		22.78		0.0	23.5
			25	27		21.78		0.5	23.0
			50	0		21.71		0.5	23.0
		QPSK	1	1		21.81		0.0	23.5
			1	26		22.12		0.0	23.5
			1	50		21.96		0.0	23.5
			25	0		21.84		1.0	22.5
			25	14		22.85		0.0	23.5
			25	27		21.87		1.0	22.5
			50	0		21.47		1.0	22.5
		16QAM	1	1		20.82		1.0	22.5
			1	26		21.18		1.0	22.5
			1	50		21.03		1.0	22.5
		64QAM	1	1		20.00		2.5	21.0
		256QAM	1	1		17.85		4.5	19.0
	CP-OFDM	QPSK	1	1		21.45		1.5	22.0
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					461500	462000	462500		
					2307.5 MHz	2310 MHz	2312.5 MHz		
5 MHz	DFT-s-OFDM	π/2 BPSK	1	1	22.53	22.60	22.49	0.0	23.5
			1	13	22.62	22.62	22.11	0.0	23.5
			1	23	22.56	22.59	22.11	0.0	23.5
			12	0	21.68	21.70	21.68	0.5	23.0
			12	7	22.66	22.38	22.12	0.0	23.5
			12	13	21.65	21.72	21.40	0.5	23.0
			25	0	21.68	21.63	21.35	0.5	23.0
		QPSK	1	1	22.30	22.14	22.03	0.0	23.5
			1	13	22.20	22.04	21.69	0.0	23.5
			1	23	22.39	21.99	21.75	0.0	23.5
			12	0	21.64	21.68	21.39	1.0	22.5
			12	7	22.59	22.20	22.04	0.0	23.5
			12	13	21.78	21.43	21.28	1.0	22.5
			25	0	21.64	21.43	21.15	1.0	22.5
		16QAM	1	1	21.73	21.36	21.19	1.0	22.5
		64QAM	1	1	20.30	20.13	19.96	2.5	21.0
		256QAM	1	1	17.64	17.74	17.73	4.5	19.0
	CP-OFDM	QPSK	1	1	21.23	21.30	21.31	1.5	22.0

NR Band n30 (ANT F)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)			MPR	Tune-up Limit
					Measured Pwr (dBm)				
						462000			
						2310 MHz			
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1		22.72		0.0	23.5
			1	26		22.73		0.0	23.5
			1	50		22.66		0.0	23.5
			25	0		22.68		0.5	23.0
			25	14		21.75		0.0	23.5
			25	27		21.75		0.5	23.0
			50	0		21.79		0.5	23.0
		QPSK	1	1		22.77		0.0	23.5
			1	26		22.80		0.0	23.5
			1	50		22.70		0.0	23.5
			25	0		21.79		1.0	22.5
			25	14		22.84		0.0	23.5
			25	27		21.80		1.0	22.5
			50	0		21.77		1.0	22.5
		16QAM	1	1		21.83		1.0	22.5
			1	26		21.91		1.0	22.5
			1	50		21.85		1.0	22.5
		64QAM	1	1		20.45		2.5	21.0
		256QAM	1	1		17.66		4.5	19.0
	CP-OFDM	QPSK	1	1		21.30		1.5	22.0

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					461500	462000	462500		
					2307.5 MHz	2310 MHz	2312.5 MHz		
5 MHz	DFT-s-OFDM	π/2 BPSK	1	1	22.51	22.61	22.67	0.0	23.5
			1	13	22.56	22.75	22.69	0.0	23.5
			1	23	22.63	22.67	22.65	0.0	23.5
			12	0	21.66	21.73	22.66	0.5	23.0
			12	7	22.65	22.70	22.71	0.0	23.5
			12	13	21.75	21.68	21.70	0.5	23.0
			25	0	21.72	21.71	21.68	0.5	23.0
		QPSK	1	1	22.58	22.71	22.68	0.0	23.5
			1	13	22.67	22.76	22.77	0.0	23.5
			1	23	22.64	22.74	22.65	0.0	23.5
			12	0	21.68	21.74	21.71	1.0	22.5
			12	7	22.70	22.76	22.75	0.0	23.5
			12	13	21.74	21.76	21.70	1.0	22.5
			25	0	21.73	21.75	21.72	1.0	22.5
		16QAM	1	1	21.70	21.78	21.79	0.0	23.5
		64QAM	1	1	20.35	20.52	20.50	2.5	21.0
		256QAM	1	1	17.64	17.76	17.71	4.5	19.0
	CP-OFDM	QPSK	1	1	21.27	21.30	21.35	1.5	22.0

NR Band n41 (PC2) (ANT B)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)				
					Measured Pwr (dBm)			MPR	Tune-up Limit
					509202	518598	528000		
					2546.01 MHz	2592.99 MHz	2640 MHz		
100 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.38	24.96	24.99	0.0	26.0
			1	137	24.76	24.90	24.68	0.0	26.0
			1	271	25.22	24.71	24.84	0.0	26.0
			135	0	24.13	24.05	23.71	0.5	25.5
			135	69	24.79	24.90	24.73	0.0	26.0
			135	138	24.32	23.75	23.76	0.5	25.5
			270	0	24.16	24.01	23.88	0.5	25.5
		QPSK	1	1	24.57	25.02	25.01	0.0	26.0
			1	137	24.87	24.98	24.71	0.0	26.0
			1	271	25.35	24.79	24.98	0.0	26.0
			135	0	24.31	24.16	23.81	1.0	25.0
			135	69	24.91	25.07	24.82	0.0	26.0
			135	138	24.40	23.79	23.92	1.0	25.0
			270	0	24.25	24.04	23.92	1.0	25.0
		16QAM	1	1	23.28	23.36	23.95	1.0	25.0
			1	137	23.77	24.20	23.78	1.0	25.0
			1	271	24.56	23.78	24.08	1.0	25.0
		64QAM	1	1	21.51	21.65	22.34	2.5	23.5
		256QAM	1	1	20.62	20.58	20.35	4.5	21.5
	CP-OFDM	QPSK	1	1	22.70	22.82	23.41	1.5	24.5
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					508200	518598	528996		
					2541 MHz	2592.99 MHz	2644.98 MHz		
90 MHz	DFT-s-OFDM	π/2 BPSK	1	1	25.21	25.34	25.76	0.0	26.0
			1	123	25.14	25.47	25.70	0.0	26.0
			1	243	25.30	25.73	25.42	0.0	26.0
			120	0	24.70	25.02	25.27	0.5	25.5
			120	63	25.25	25.69	25.72	0.0	26.0
			120	125	24.66	24.00	25.07	0.5	25.5
			243	0	24.73	25.05	25.24	0.5	25.5
		QPSK	1	1	25.26	25.26	25.61	0.0	26.0
			1	123	25.04	25.47	25.40	0.0	26.0
			1	243	25.22	25.59	25.03	0.0	26.0
			120	0	24.20	24.46	24.68	1.0	25.0
			120	63	25.25	25.64	25.60	0.0	26.0
			120	125	24.20	24.68	24.42	1.0	25.0
			243	0	24.26	24.60	24.58	1.0	25.0
		16QAM	1	1	24.62	24.67	24.81	1.0	25.0
		64QAM	1	1	22.70	22.78	22.97	2.5	23.5
		256QAM	1	1	20.77	20.74	21.05	4.5	21.5
	CP-OFDM	QPSK	1	1	23.62	23.56	24.05	1.5	24.5
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					507204	518598	529998		
					2536.02 MHz	2592.99 MHz	2649.99 MHz		
80 MHz	DFT-s-OFDM	π/2 BPSK	1	1	25.31	25.37	25.78	0.0	26.0
			1	109	25.26	25.56	25.53	0.0	26.0
			1	215	25.34	25.74	25.17	0.0	26.0
			108	0	24.71	24.11	25.09	0.5	25.5
			108	55	25.33	25.67	25.67	0.0	26.0
			108	109	24.26	24.80	24.56	0.5	25.5
			216	0	24.74	24.63	24.66	0.5	25.5
		QPSK	1	1	25.24	25.19	25.65	0.0	26.0
			1	109	25.14	25.49	25.36	0.0	26.0
			1	215	25.26	25.58	24.92	0.0	26.0
			108	0	24.05	24.51	24.53	1.0	25.0
			108	55	25.21	25.54	25.46	0.0	26.0
			108	109	24.16	24.64	24.53	1.0	25.0
			216	0	24.25	24.58	24.47	1.0	25.0
		16QAM	1	1	24.33	24.50	24.87	1.0	25.0
		64QAM	1	1	22.70	22.62	22.85	2.5	23.5
		256QAM	1	1	20.94	20.74	21.04	4.5	21.5
	CP-OFDM	QPSK	1	1	23.63	23.68	24.07	1.5	24.5

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					506202	518598	531000		
					2531.02 MHz	2592.99 MHz	2655 MHz		
70 MHz	DFT-s-OFDM	π/2 BPSK	1	1	25.52	25.30	25.66	0.0	26.0
			1	95	25.23	25.61	25.52	0.0	26.0
			1	187	25.33	25.70	25.12	0.0	26.0
			90	0	24.29	24.66	24.85	0.5	25.5
			90	50	25.21	25.69	25.60	0.0	26.0
			90	99	24.25	25.27	24.72	0.5	25.5
			180	0	24.32	24.70	24.63	0.5	25.5
		QPSK	1	1	25.24	25.25	25.68	0.0	26.0
			1	95	25.07	25.45	25.39	0.0	26.0
			1	187	25.08	25.51	24.99	0.0	26.0
			90	0	24.85	24.51	24.68	1.0	25.0
			90	50	25.11	25.58	25.45	0.0	26.0
			90	99	24.18	24.58	24.19	1.0	25.0
			180	0	24.22	24.52	24.50	1.0	25.0
		16QAM	1	1	24.43	24.57	24.87	1.0	25.0
		64QAM	1	1	22.89	22.55	23.04	2.5	23.5
		256QAM	1	1	20.86	20.75	21.16	4.5	21.5
	CP-OFDM	QPSK	1	1	23.36	23.64	24.10	1.5	24.5
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					505200	518598	531996		
					2526 MHz	2592.99 MHz	2659.98 MHz		
60 MHz	DFT-s-OFDM	π/2 BPSK	1	1	25.39	25.47	25.90	0.0	26.0
			1	81	25.45	25.74	25.70	0.0	26.0
			1	160	25.37	25.92	25.33	0.0	26.0
			81	0	24.97	25.27	25.37	0.5	25.5
			81	41	25.40	25.89	25.77	0.0	26.0
			81	81	24.88	25.49	25.11	0.5	25.5
			162	0	24.90	25.39	25.28	0.5	25.5
		QPSK	1	1	25.23	25.34	25.66	0.0	26.0
			1	81	25.21	25.65	25.47	0.0	26.0
			1	160	25.17	25.97	24.97	0.0	26.0
			81	0	24.34	24.68	24.72	1.0	25.0
			81	41	25.28	25.74	25.60	0.0	26.0
			81	81	24.27	24.64	24.44	1.0	25.0
			162	0	24.32	24.66	24.60	1.0	25.0
		16QAM	1	1	24.52	24.81	24.98	1.0	25.0
		64QAM	1	1	22.71	22.62	23.17	2.5	23.5
		256QAM	1	1	21.36	20.84	21.18	4.5	21.5
	CP-OFDM	QPSK	1	1	23.76	23.75	24.12	1.5	24.5
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					504204	518598	532998		
					2521.01 MHz	2592.99 MHz	2665 MHz		
50 MHz	DFT-s-OFDM	π/2 BPSK	1	1	25.42	25.67	25.90	0.0	26.0
			1	67	25.32	25.77	25.58	0.0	26.0
			1	131	25.46	25.92	25.07	0.0	26.0
			64	0	25.00	25.22	25.33	0.5	25.5
			64	35	25.46	25.79	25.71	0.0	26.0
			64	69	24.90	25.42	25.01	0.5	25.5
			128	0	24.92	25.32	25.23	0.5	25.5
		QPSK	1	1	25.37	25.45	25.66	0.0	26.0
			1	67	25.23	25.60	25.39	0.0	26.0
			1	131	25.33	25.76	24.69	0.0	26.0
			64	0	24.36	24.60	24.66	1.0	25.0
			64	35	25.33	25.70	25.51	0.0	26.0
			64	69	24.30	24.79	24.35	1.0	25.0
			128	0	24.36	24.66	24.50	1.0	25.0
		16QAM	1	1	24.62	24.63	24.87	1.0	25.0
		64QAM	1	1	22.74	22.96	23.14	2.5	23.5
		256QAM	1	1	20.80	20.94	21.15	4.5	21.5
	CP-OFDM	QPSK	1	1	23.78	23.92	24.04	1.5	24.5

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					503202	518598	534000		
					2516.01 MHz	2592.99 MHz	2670 MHz		
40 MHz	DFT-s-OFDM	π/2 BPSK	1	1	25.60	25.31	25.84	0.0	26.0
			1	53	25.40	23.71	25.52	0.0	26.0
			1	104	25.53	25.95	24.97	0.0	26.0
			50	0	25.10	25.37	25.21	0.5	25.5
			50	28	25.50	25.91	25.67	0.0	26.0
			50	56	25.02	25.47	25.19	0.5	25.5
			100	0	25.00	25.42	25.12	0.5	25.5
		QPSK	1	1	25.41	25.27	25.57	0.0	26.0
			1	53	25.34	25.60	25.17	0.0	26.0
			1	104	25.32	25.71	24.55	0.0	26.0
			50	0	24.60	24.69	24.53	1.0	25.0
			50	28	25.35	25.70	25.37	0.0	26.0
			50	56	24.34	24.67	24.40	1.0	25.0
			100	0	24.41	24.90	24.47	1.0	25.0
		16QAM	1	1	24.59	24.29	24.95	1.0	25.0
		64QAM	1	1	22.86	22.95	23.27	2.5	23.5
		256QAM	1	1	21.43	21.02	21.04	4.5	21.5
	CP-OFDM	QPSK	1	1	23.93	23.76	24.03	1.5	24.5
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					502200	518598	534996		
					2511 MHx	2592.99 MHz	2675.0 MHz		
30 MHz	DFT-s-OFDM	π/2 BPSK	1	1	25.51	25.68	25.77	0.0	26.0
			1	39	25.41	25.80	25.42	0.0	26.0
			1	76	25.52	25.76	24.99	0.0	26.0
			36	0	25.11	25.35	25.16	0.5	25.5
			36	21	25.41	25.84	25.74	0.0	26.0
			36	42	25.01	25.49	25.14	0.5	25.5
			75	0	24.98	25.42	25.16	0.5	25.5
		QPSK	1	1	25.31	25.47	25.40	0.0	26.0
			1	39	25.28	25.59	25.18	0.0	26.0
			1	76	25.32	25.89	24.53	0.0	26.0
			36	0	24.34	24.66	24.44	1.0	25.0
			36	21	25.14	25.74	25.38	0.0	26.0
			36	42	24.16	24.79	24.45	1.0	25.0
			75	0	24.41	24.78	24.38	1.0	25.0
			1	76	24.52	24.80	24.74	1.0	25.0
		64QAM	1	1	23.01	22.31	22.65	2.5	23.5
		256QAM	1	1	20.46	20.49	20.87	4.5	21.5
	CP-OFDM	QPSK	1	1	23.88	23.93	23.91	1.5	24.5
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					501204	518598	535998		
					2506.02 MHz	2592.99 MHz	2679.99 MHz		
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.62	23.52	25.62	0.0	26.0
			1	26	25.06	25.07	25.43	0.0	26.0
			1	49	25.42	25.32	25.10	0.0	26.0
			25	0	23.22	23.18	25.13	0.5	25.5
			25	13	24.50	24.50	25.52	0.0	26.0
			25	26	24.97	24.99	25.01	0.5	25.5
			50	0	24.83	24.89	25.05	0.5	25.5
		QPSK	1	1	23.57	24.99	25.16	0.0	26.0
			1	26	23.98	24.45	24.39	0.0	26.0
			1	49	24.18	24.73	24.28	0.0	26.0
			25	0	24.34	24.74	24.21	1.0	25.0
			25	13	24.73	25.74	24.33	0.0	26.0
			25	26	24.30	24.74	24.26	1.0	25.0
			50	0	24.20	24.11	24.54	1.0	25.0
		16QAM	1	1	23.43	24.06	24.61	1.0	25.0
		64QAM	1	1	21.33	23.20	22.52	2.5	23.5
		256QAM	1	1	20.87	21.13	20.63	4.5	21.5
	CP-OFDM	QPSK	1	1	22.01	23.54	23.78	1.5	24.5

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					500700	518598	536496		
					2503.5 MHz	2592.99 MHz	2682.48MHz		
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.52	25.60	25.45	0.0	26.0
			1	19	24.06	25.67	25.09	0.0	26.0
			1	36	25.31	25.86	25.11	0.0	26.0
			18	0	23.48	24.81	25.15	0.5	25.5
			18	10	24.05	25.77	24.84	0.0	26.0
			18	20	24.41	25.15	25.08	0.5	25.5
			36	0	24.01	24.79	25.09	0.5	25.5
		QPSK	1	1	23.51	25.56	24.83	0.0	26.0
			1	19	23.98	25.60	24.63	0.0	26.0
			1	36	25.21	25.64	24.57	0.0	26.0
			18	0	23.41	24.68	24.17	1.0	25.0
			18	10	23.94	25.74	24.33	0.0	26.0
			18	20	24.33	24.81	24.31	1.0	25.0
			36	0	23.37	24.76	24.37	1.0	25.0
		16QAM	1	1	24.42	24.71	24.18	1.0	25.0
		64QAM	1	1	21.39	22.65	22.70	2.5	23.5
		256QAM	1	1	20.16	21.07	21.42	4.5	21.5
	CP-OFDM	QPSK	1	1	22.10	24.16	23.68	1.5	24.5
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					500202	518598	537000		
					2501.01 MHz	2592.99 MHz	2685 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.79	25.64	25.27	0.0	26.0
			1	12	23.54	25.66	24.89	0.0	26.0
			1	22	24.51	25.63	25.13	0.0	26.0
			12	0	23.03	25.29	24.73	0.5	25.5
			12	6	23.56	25.77	24.67	0.0	26.0
			12	12	23.28	25.32	25.02	0.5	25.5
			24	0	25.34	25.31	25.01	0.5	25.5
		QPSK	1	1	23.60	25.42	24.89	0.0	26.0
			1	12	23.51	25.52	24.52	0.0	26.0
			1	22	24.44	25.60	24.72	0.0	26.0
			12	0	23.48	24.59	24.18	1.0	25.0
			12	6	23.50	25.63	24.23	0.0	26.0
			12	12	23.73	24.58	24.28	1.0	25.0
			24	0	22.75	24.60	24.20	1.0	25.0
		16QAM	1	1	22.57	24.73	24.43	1.0	25.0
		64QAM	1	1	21.62	22.85	22.70	2.5	23.5
		256QAM	1	1	20.37	21.02	20.64	4.5	21.5
	CP-OFDM	QPSK	1	1	22.02	24.05	23.65	1.5	24.5

NR Band n41 (PC2, SRS1) (ANT B)

BW (MHz)	RB Allocation	RB offset	Maximum Average Power (dBm) SRS1				
			Measured Pwr (dBm)			MPR	Tune-up Limit
100 MHz	1	1	509202	518598	528000		
			2546.01 MHz	2592.99 MHz	2640 MHz		
			22.80	22.65	22.62	0.0	
90 MHz	1	1	508200	518598	528996	MPR	
			2541 MHz	2592.99 MHz	2644.98 MHz		
			22.73	22.66	22.44	0.0	
80 MHz	1	1	507204	518598	529998	MPR	
			2536.02 MHz	2592.99 MHz	2649.99 MHz		
			22.55	22.56	22.29	0.0	
70 MHz	1	1	506202	518598	531996	MPR	
			2531.02 MHz	2592.99 MHz	2659.98 MHz		
			22.49	22.38	22.44	0.0	
60 MHz	1	1	505200	518598	531996	MPR	
			2526 MHz	2592.99 MHz	2659.98 MHz		
			22.71	22.62	22.36	0.0	
50 MHz	1	1	504204	518598	532998	MPR	
			2521.01 MHz	2592.99 MHz	2665 MHz		
			22.81	22.78	22.28	0.0	23.0
40 MHz	1	1	503202	518598	534000	MPR	
			2516.01 MHz	2592.99 MHz	2670 MHz		
			22.91	22.68	22.41	0.0	
30 MHz	1	1	502200	518598	534996	MPR	
			2511 MHx	2592.99 MHz	2675.0 MHz		
			22.88	22.61	22.36	0.0	
20 MHz	1	1	501204	518598	535998	MPR	
			2506.02 MHz	2592.99 MHz	2679.99 MHz		
			22.81	22.58	22.47	0.0	
15 MHz	1	1	500700	518598	536496	MPR	
			2503.5 MHz	2592.99 MHz	2682.48MHz		
			22.86	22.61	22.63	0.0	
10 MHz	1	1	500202	518598	537000	MPR	
			2501.01 MHz	2592.99 MHz	2685 MHz		
			22.79	22.51	22.49	0.0	

NR Band n41 (PC2, SRS2) (ANT B)

BW (MHz)	RB Allocation	RB offset	Maximum Average Power (dBm) SRS2				
			Measured Pwr (dBm)			MPR	Tune-up Limit
100 MHz	1	1	509202	518598	528000		
			2546.01 MHz	2592.99 MHz	2640 MHz		
			21.84	21.56	21.59	0.0	
90 MHz	1	1	508200	518598	528996	MPR	
			2541 MHz	2592.99 MHz	2644.98 MHz		
			22.20	21.85	21.79	0.0	
80 MHz	1	1	507204	518598	529998	MPR	
			2536.02 MHz	2592.99 MHz	2649.99 MHz		
			22.15	21.75	21.67	0.0	
70 MHz	1	1	506202	518598	531996	MPR	
			2531.02 MHz	2592.99 MHz	2659.98 MHz		
			21.86	21.66	21.52	0.0	
60 MHz	1	1	505200	518598	531996	MPR	
			2526 MHz	2592.99 MHz	2659.98 MHz		
			21.93	21.70	21.53	0.0	
50 MHz	1	1	504204	518598	532998	MPR	
			2521.01 MHz	2592.99 MHz	2665 MHz		
			20.46	21.87	21.46	0.0	22.5
40 MHz	1	1	503202	518598	534000	MPR	
			2516.01 MHz	2592.99 MHz	2670 MHz		
			20.16	21.70	21.48	0.0	
30 MHz	1	1	502200	518598	534996	MPR	
			2511 MHz	2592.99 MHz	2675.0 MHz		
			20.24	22.00	21.44	0.0	
20 MHz	1	1	501204	518598	535998	MPR	
			2506.02 MHz	2592.99 MHz	2679.99 MHz		
			20.21	22.10	21.88	0.0	
15 MHz	1	1	500700	518598	536496	MPR	
			2503.5 MHz	2592.99 MHz	2682.48MHz		
			20.11	22.02	21.47	0.0	
10 MHz	1	1	500202	518598	537000	MPR	
			2501.01 MHz	2592.99 MHz	2685 MHz		
			20.37	22.24	21.84	0.0	

NR Band n41 (PC2, SRS3) (ANT B)

BW (MHz)	RB Allocation	RB offset	Maximum Average Power (dBm) SRS3				
			Measured Pwr (dBm)			MPR	Tune-up Limit
100 MHz	1	1	509202	518598	528000	MPR	
			2546.01 MHz	2592.99 MHz	2640 MHz		
			14.56	14.54	14.87	0.0	
90 MHz	1	1	508200	518598	528996	MPR	
			2541 MHz	2592.99 MHz	2644.98 MHz		
			14.57	14.53	14.98	0.0	
80 MHz	1	1	507204	518598	529998	MPR	
			2536.02 MHz	2592.99 MHz	2649.99 MHz		
			14.54	14.52	14.99	0.0	
70 MHz	1	1	506202	518598	531996	MPR	
			2531.02 MHz	2592.99 MHz	2659.98 MHz		
			14.59	14.53	15.20	0.0	
60 MHz	1	1	505200	518598	531996	MPR	
			2526 MHz	2592.99 MHz	2659.98 MHz		
			14.70	14.59	15.18	0.0	
50 MHz	1	1	504204	518598	532998	MPR	
			2521.01 MHz	2592.99 MHz	2665 MHz		
			14.86	14.62	14.58	0.0	17.0
40 MHz	1	1	503202	518598	534000	MPR	
			2516.01 MHz	2592.99 MHz	2670 MHz		
			14.94	14.63	15.56	0.0	
30 MHz	1	1	502200	518598	534996	MPR	
			2511 MHx	2592.99 MHz	2675.0 MHz		
			14.98	14.65	15.57	0.0	
20 MHz	1	1	501204	518598	535998	MPR	
			2506.02 MHz	2592.99 MHz	2679.99 MHz		
			14.99	14.57	15.53	0.0	
15 MHz	1	1	500700	518598	536496	MPR	
			2503.5 MHz	2592.99 MHz	2682.48MHz		
			14.91	14.58	15.54	0.0	
10 MHz	1	1	500202	518598	537000	MPR	
			2501.01 MHz	2592.99 MHz	2685 MHz		
			14.75	14.53	15.57	0.0	

NR Band n41 (PC2, ANT F)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)				
					Measured Pwr (dBm)			MPR	Tune-up Limit
					509202	518598	528000		
					2546.01 MHz	2592.99 MHz	2640 MHz		
100 MHz	DFT-s-OFDM	π/2 BPSK	1	1	26.12	26.32	26.29	0.0	27.0
			1	137	26.15	26.40	26.32	0.0	27.0
			1	271	25.91	26.48	25.90	0.0	27.0
			135	0	25.21	25.37	25.51	0.5	26.5
			135	69	26.20	26.47	26.43	0.0	27.0
			135	138	25.04	25.60	25.20	0.5	26.5
			270	0	25.09	25.46	25.33	0.5	26.5
		QPSK	1	1	26.06	26.29	26.26	0.0	27.0
			1	137	26.10	26.38	26.36	0.0	27.0
			1	271	25.89	26.44	25.85	0.0	27.0
			135	0	25.34	25.38	25.56	1.0	26.0
			135	69	25.23	26.49	26.46	0.0	27.0
			135	138	25.03	25.60	25.22	1.0	26.0
			270	0	25.10	25.50	25.34	1.0	26.0
		16QAM	1	1	25.10	25.28	25.31	1.0	26.0
			1	137	25.12	25.38	25.30	1.0	26.0
			1	271	24.90	25.45	24.86	1.0	26.0
		64QAM	1	1	23.68	23.86	23.97	2.5	24.5
		256QAM	1	1	21.47	21.68	21.66	4.5	22.5
	CP-OFDM	QPSK	1	1	24.68	24.80	24.87	1.5	25.5
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					508200	518598	528996		
					2541 MHz	2592.99 MHz	2644.98 MHz		
90 MHz	DFT-s-OFDM	π/2 BPSK	1	1	25.95	26.22	26.35	0.0	27.0
			1	123	26.02	26.33	26.39	0.0	27.0
			1	243	25.95	26.45	25.98	0.0	27.0
			120	0	25.20	25.32	25.52	0.5	26.5
			120	63	26.08	26.41	26.48	0.0	27.0
			120	125	25.06	25.54	25.18	0.5	26.5
			243	0	25.08	25.44	25.35	0.5	26.5
		QPSK	1	1	25.96	26.19	26.34	0.0	27.0
			1	123	26.01	26.34	26.39	0.0	27.0
			1	243	25.93	26.44	25.89	0.0	27.0
			120	0	25.20	25.12	25.55	1.0	26.0
			120	63	26.12	25.32	26.49	0.0	27.0
			120	125	25.06	25.58	25.18	1.0	26.0
			243	0	25.12	25.43	25.37	1.0	26.0
		16QAM	1	1	25.00	25.23	25.30	1.0	26.0
		64QAM	1	1	23.58	23.78	23.94	2.5	24.5
		256QAM	1	1	21.35	21.33	21.79	4.5	22.5
	CP-OFDM	QPSK	1	1	24.40	24.75	24.85	1.5	25.5
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					507204	518598	529998		
					2536.02 MHz	2592.99 MHz	2649.99 MHz		
80 MHz	DFT-s-OFDM	π/2 BPSK	1	1	26.04	26.18	26.44	0.0	27.0
			1	109	26.04	26.36	26.21	0.0	27.0
			1	215	25.88	26.54	25.87	0.0	27.0
			108	0	25.19	25.34	25.01	0.5	26.5
			108	55	26.10	26.42	25.50	0.0	27.0
			108	109	25.08	25.58	25.08	0.5	26.5
			216	0	25.14	25.44	25.30	0.5	26.5
		QPSK	1	1	25.99	26.19	26.42	0.0	27.0
			1	109	25.98	26.33	26.18	0.0	27.0
			1	215	25.88	26.55	25.74	0.0	27.0
			108	0	25.21	25.36	25.50	1.0	26.0
			108	55	26.11	26.45	26.42	0.0	27.0
			108	109	25.09	25.59	25.09	1.0	26.0
			216	0	25.11	25.47	25.31	1.0	26.0
		16QAM	1	1	25.00	25.18	25.51	1.0	26.0
		64QAM	1	1	23.57	23.84	24.03	2.5	24.5
		256QAM	1	1	21.41	21.62	21.80	4.5	22.5
	CP-OFDM	QPSK	1	1	24.52	23.48	25.04	1.5	25.5

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					506202	518598	531000		
					2531.02 MHz	2592.99 MHz	2655 MHz		
70 MHz	DFT-s-OFDM	π/2 BPSK	1	1	26.11	26.20	25.74	0.0	27.0
			1	95	26.10	26.31	25.16	0.0	27.0
			1	187	25.95	26.50	25.45	0.0	27.0
			90	0	25.79	25.77	25.96	0.5	26.5
			90	50	26.18	26.44	26.22	0.0	27.0
			90	99	25.67	26.05	25.54	0.5	26.5
			180	0	25.66	25.94	25.76	0.5	26.5
		QPSK	1	1	26.12	25.72	25.64	0.0	27.0
			1	95	26.03	26.20	26.19	0.0	27.0
			1	187	25.98	26.51	25.73	0.0	27.0
			90	0	25.28	25.25	25.45	1.0	26.0
			90	50	26.14	26.36	26.16	0.0	27.0
			90	99	25.15	25.52	25.02	1.0	26.0
			180	0	25.16	25.41	25.22	1.0	26.0
		16QAM	1	1	25.33	25.31	25.70	1.0	26.0
		64QAM	1	1	23.74	23.73	24.06	2.5	24.5
		256QAM	1	1	21.32	21.46	21.87	4.5	22.5
	CP-OFDM	QPSK	1	1	24.45	24.73	25.06	1.5	25.5
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					505200	518598	531996		
					2526 MHz	2592.99 MHz	2659.98 MHz		
60 MHz	DFT-s-OFDM	π/2 BPSK	1	1	26.17	26.30	26.58	0.0	27.0
			1	81	26.34	26.55	26.34	0.0	27.0
			1	160	26.14	26.70	26.05	0.0	27.0
			81	0	25.31	25.57	25.59	0.5	26.5
			81	41	26.35	26.61	26.40	0.0	27.0
			81	81	25.29	25.71	25.27	0.5	26.5
			162	0	25.36	25.63	25.43	0.5	26.5
		QPSK	1	1	25.96	26.29	26.50	0.0	27.0
			1	81	26.25	26.53	26.27	0.0	27.0
			1	160	26.10	26.77	26.00	0.0	27.0
			81	0	25.29	25.72	25.60	1.0	26.0
			81	41	26.35	26.62	26.40	0.0	27.0
			81	81	25.29	25.71	25.28	1.0	26.0
			162	0	25.35	25.63	25.44	1.0	26.0
		16QAM	1	1	25.00	25.36	25.55	1.0	26.0
		64QAM	1	1	23.79	23.91	24.17	2.5	24.5
		256QAM	1	1	21.54	21.68	21.92	4.5	22.5
	CP-OFDM	QPSK	1	1	24.54	24.84	23.44	1.5	25.5
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					504204	518598	532998		
					2521.01 MHz	2592.99 MHz	2665 MHz		
50 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.74	25.70	25.97	0.0	27.0
			1	67	25.79	26.27	25.32	0.0	27.0
			1	131	25.81	26.70	25.75	0.0	27.0
			64	0	24.91	25.54	25.49	0.5	26.5
			64	35	26.06	26.57	26.07	0.0	27.0
			64	69	25.38	25.68	24.64	0.5	26.5
			128	0	24.83	25.56	24.78	0.5	26.5
		QPSK	1	1	24.81	25.57	26.04	0.0	27.0
			1	67	25.88	26.12	25.41	0.0	27.0
			1	131	25.84	26.72	25.83	0.0	27.0
			64	0	24.52	25.17	25.11	1.0	26.0
			64	35	25.97	26.47	25.81	0.0	27.0
			64	69	25.38	25.70	24.62	1.0	26.0
			128	0	24.86	25.52	24.67	1.0	26.0
		16QAM	1	1	23.90	24.62	25.19	1.0	26.0
		64QAM	1	1	23.04	23.79	24.17	2.5	24.5
		256QAM	1	1	21.55	21.75	21.90	4.5	22.5
	CP-OFDM	QPSK	1	1	24.61	24.70	25.02	1.5	25.5

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					503202	518598	534000		
					2516.01 MHz	2592.99 MHz	2670 MHz		
40 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.61	25.36	25.84	0.0	27.0
			1	53	25.70	26.20	25.52	0.0	27.0
			1	104	25.88	26.71	25.77	0.0	27.0
			50	0	25.08	25.59	25.46	0.5	26.5
			50	28	25.85	26.56	25.77	0.0	27.0
			50	56	25.31	25.81	24.90	0.5	26.5
			100	0	24.78	25.40	24.76	0.5	26.5
		QPSK	1	1	25.40	25.24	25.53	0.0	27.0
			1	53	25.46	26.10	25.24	0.0	27.0
			1	104	25.71	26.74	25.52	0.0	27.0
			50	0	25.19	25.61	25.48	1.0	26.0
			50	28	25.96	26.57	25.76	0.0	27.0
			50	56	25.36	25.80	24.95	1.0	26.0
			100	0	24.69	25.42	24.71	1.0	26.0
		16QAM	1	1	23.77	24.59	24.81	1.0	26.0
		64QAM	1	1	22.86	23.68	23.96	2.5	24.5
		256QAM	1	1	21.73	21.90	21.93	4.5	22.5
	CP-OFDM	QPSK	1	1	24.32	24.51	24.73	1.5	25.5
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					502200	518598	534996		
					2511 MHx	2592.99 MHz	2675.0 MHz		
30 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.78	25.56	25.77	0.0	27.0
			1	39	25.55	26.26	25.53	0.0	27.0
			1	76	26.12	26.66	25.87	0.0	27.0
			36	0	25.19	25.54	25.35	0.5	26.5
			36	21	25.92	26.53	25.66	0.0	27.0
			36	42	25.37	25.67	25.02	0.5	26.5
			75	0	24.75	25.56	24.73	0.5	26.5
		QPSK	1	1	24.79	25.53	25.46	0.0	27.0
			1	39	25.60	26.22	25.25	0.0	27.0
			1	76	26.14	26.74	25.64	0.0	27.0
			36	0	25.21	25.04	25.35	1.0	26.0
			36	21	26.00	25.53	25.66	0.0	27.0
			36	42	25.40	25.70	25.07	1.0	26.0
			75	0	24.79	25.52	24.85	1.0	26.0
		16QAM	1	1	24.03	24.70	24.76	1.0	26.0
		64QAM	1	1	23.13	23.72	23.90	2.5	24.5
		256QAM	1	1	21.60	21.75	21.66	4.5	22.5
	CP-OFDM	QPSK	1	1	23.98	25.05	23.40	1.5	25.5
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					501204	518598	535998		
					2506.02 MHz	2592.99 MHz	2679.99 MHz		
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.85	25.93	25.73	0.0	27.0
			1	26	25.63	26.34	25.66	0.0	27.0
			1	49	26.01	26.45	25.67	0.0	27.0
			25	0	25.08	25.50	25.13	0.5	26.5
			25	13	26.08	26.14	25.54	0.0	27.0
			25	26	25.26	25.60	25.07	0.5	26.5
			50	0	24.71	25.31	24.78	0.5	26.5
		QPSK	1	1	24.76	25.66	25.39	0.0	27.0
			1	26	25.56	26.13	25.36	0.0	27.0
			1	49	25.92	26.49	25.43	0.0	27.0
			25	0	24.86	24.32	25.07	1.0	26.0
			25	13	25.60	25.53	25.50	0.0	27.0
			25	26	25.26	25.60	25.04	1.0	26.0
			50	0	24.66	25.40	24.63	1.0	26.0
		16QAM	1	1	23.93	25.13	24.61	1.0	26.0
		64QAM	1	1	23.02	24.08	23.79	2.5	24.5
		256QAM	1	1	21.65	21.89	21.63	4.5	22.5
	CP-OFDM	QPSK	1	1	23.88	25.10	23.15	1.5	25.5

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					500700	518598	536496		
					2503.5 MHz	2592.99 MHz	2682.48MHz		
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.91	26.15	25.58	0.0	27.0
			1	19	25.41	26.25	25.26	0.0	27.0
			1	36	26.05	26.56	25.52	0.0	27.0
			18	0	25.19	25.55	25.16	0.5	26.5
			18	10	25.70	26.59	25.23	0.0	27.0
			18	20	25.40	25.63	25.13	0.5	26.5
			36	0	24.61	25.57	24.67	0.5	26.5
		QPSK	1	1	24.88	25.90	25.49	0.0	27.0
			1	19	25.41	26.04	25.18	0.0	27.0
			1	36	26.04	26.60	25.42	0.0	27.0
			18	0	25.24	25.02	25.15	1.0	26.0
			18	10	25.75	25.54	25.27	0.0	27.0
			18	20	25.38	25.63	24.83	1.0	26.0
			36	0	24.68	25.29	24.73	1.0	26.0
		16QAM	1	1	24.02	25.04	24.70	1.0	26.0
		64QAM	1	1	23.11	24.08	23.79	2.5	24.5
		256QAM	1	1	21.45	21.82	21.61	4.5	22.5
	CP-OFDM	QPSK	1	1	24.23	24.99	24.18	1.5	25.5
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					500202	518598	537000		
					2501.01 MHz	2592.99 MHz	2685 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	25.01	26.39	25.30	0.0	27.0
			1	12	25.08	26.38	25.00	0.0	27.0
			1	22	25.76	26.40	25.26	0.0	27.0
			12	0	24.79	25.44	24.85	0.5	26.5
			12	6	25.33	26.41	25.18	0.0	27.0
			12	12	25.17	25.46	24.92	0.5	26.5
			24	0	24.15	25.26	24.41	0.5	26.5
		QPSK	1	1	24.78	25.85	25.26	0.0	27.0
			1	12	24.86	25.75	24.92	0.0	27.0
			1	22	25.52	26.18	25.23	0.0	27.0
			12	0	24.74	25.45	24.80	1.0	26.0
			12	6	25.41	26.43	25.19	0.0	27.0
			12	12	25.22	25.49	24.90	1.0	26.0
			24	0	24.48	25.24	24.47	1.0	26.0
		16QAM	1	1	24.23	25.26	24.48	1.0	26.0
		64QAM	1	1	23.33	23.97	23.50	2.5	24.5
		256QAM	1	1	21.49	21.73	21.28	4.5	22.5
	CP-OFDM	QPSK	1	1	24.28	23.49	24.06	1.5	25.5

NR Band n41 (PC2, ANT F, SRS1)

BW (MHz)	RB Allocation	RB offset	Maximum Average Power (dBm) SRS1				
			Measured Pwr (dBm)			MPR	Tune-up Limit
100 MHz	1	1	509202	518598	528000		
			2546.01 MHz	2592.99 MHz	2640 MHz		
			22.82	22.43	22.07	0.0	
90 MHz	1	1	508200	518598	528996	MPR	
			2541 MHz	2592.99 MHz	2644.98 MHz		
			22.91	22.43	22.09	0.0	
80 MHz	1	1	507204	518598	529998	MPR	
			2536.02 MHz	2592.99 MHz	2649.99 MHz		
			22.72	22.19	21.89	0.0	
70 MHz	1	1	506202	518598	531996	MPR	
			2531.02 MHz	2592.99 MHz	2659.98 MHz		
			22.65	22.24	22.02	0.0	
60 MHz	1	1	505200	518598	531996	MPR	
			2526 MHz	2592.99 MHz	2659.98 MHz		
			22.69	22.44	22.20	0.0	
50 MHz	1	1	504204	518598	532998	MPR	
			2521.01 MHz	2592.99 MHz	2665 MHz		
			22.89	22.52	22.29	0.0	23.0
40 MHz	1	1	503202	518598	534000	MPR	
			2516.01 MHz	2592.99 MHz	2670 MHz		
			22.92	22.67	22.49	0.0	
30 MHz	1	1	502200	518598	534996	MPR	
			2511 MHx	2592.99 MHz	2675.0 MHz		
			22.88	22.58	22.46	0.0	
20 MHz	1	1	501204	518598	535998	MPR	
			2506.02 MHz	2592.99 MHz	2679.99 MHz		
			22.86	22.47	22.35	0.0	
15 MHz	1	1	500700	518598	536496	MPR	
			2503.5 MHz	2592.99 MHz	2682.48MHz		
			22.96	22.44	22.44	0.0	
10 MHz	1	1	500202	518598	537000	MPR	
			2501.01 MHz	2592.99 MHz	2685 MHz		
			22.72	22.40	22.36	0.0	

NR Band n41 (PC2, ANT F, SRS2)

BW (MHz)	RB Allocation	RB offset	Maximum Average Power (dBm) SRS2				
			Measured Pwr (dBm)			MPR	Tune-up Limit
100 MHz	1	1	509202	518598	528000		
			2546.01 MHz	2592.99 MHz	2640 MHz		
			16.71	16.66	17.04	0.0	
90 MHz	1	1	508200	518598	528996	MPR	
			2541 MHz	2592.99 MHz	2644.98 MHz		
			16.72	16.64	17.13	0.0	
80 MHz	1	1	507204	518598	529998	MPR	
			2536.02 MHz	2592.99 MHz	2649.99 MHz		
			16.70	16.63	17.14	0.0	
70 MHz	1	1	506202	518598	531996	MPR	
			2531.02 MHz	2592.99 MHz	2659.98 MHz		
			16.72	16.58	17.38	0.0	
60 MHz	1	1	505200	518598	531996	MPR	
			2526 MHz	2592.99 MHz	2659.98 MHz		
			16.74	16.69	17.37	0.0	
50 MHz	1	1	504204	518598	532998	MPR	
			2521.01 MHz	2592.99 MHz	2665 MHz		
			16.78	16.83	17.25	0.0	19.0
40 MHz	1	1	503202	518598	534000	MPR	
			2516.01 MHz	2592.99 MHz	2670 MHz		
			16.52	16.77	17.30	0.0	
30 MHz	1	1	502200	518598	534996	MPR	
			2511 MHx	2592.99 MHz	2675.0 MHz		
			16.70	16.79	17.75	0.0	
20 MHz	1	1	501204	518598	535998	MPR	
			2506.02 MHz	2592.99 MHz	2679.99 MHz		
			16.88	16.69	17.67	0.0	
15 MHz	1	1	500700	518598	536496	MPR	
			2503.5 MHz	2592.99 MHz	2682.48MHz		
			16.55	16.68	17.59	0.0	
10 MHz	1	1	500202	518598	537000	MPR	
			2501.01 MHz	2592.99 MHz	2685 MHz		
			16.58	16.60	17.46	0.0	

NR Band n41 (PC2, ANT F, SRS3)

BW (MHz)	RB Allocation	RB offset	Maximum Average Power (dBm) SRS3				
			Measured Pwr (dBm)			MPR	Tune-up Limit
100 MHz	1	1	509202	518598	528000		
			2546.01 MHz	2592.99 MHz	2640 MHz		
			19.71	19.41	18.80	0.0	
90 MHz	1	1	508200	518598	528996	MPR	
			2541 MHz	2592.99 MHz	2644.98 MHz		
			19.61	19.41	18.83	0.0	
80 MHz	1	1	507204	518598	529998	MPR	
			2536.02 MHz	2592.99 MHz	2649.99 MHz		
			19.76	19.28	18.75	0.0	
70 MHz	1	1	506202	518598	531996	MPR	
			2531.02 MHz	2592.99 MHz	2659.98 MHz		
			19.60	19.39	18.86	0.0	
60 MHz	1	1	505200	518598	531996	MPR	
			2526 MHz	2592.99 MHz	2659.98 MHz		
			19.73	19.40	18.88	0.0	
50 MHz	1	1	504204	518598	532998	MPR	
			2521.01 MHz	2592.99 MHz	2665 MHz		
			19.72	19.49	18.89	0.0	20.0
40 MHz	1	1	503202	518598	534000	MPR	
			2516.01 MHz	2592.99 MHz	2670 MHz		
			19.63	19.47	19.03	0.0	
30 MHz	1	1	502200	518598	534996	MPR	
			2511 MHx	2592.99 MHz	2675.0 MHz		
			19.52	19.51	19.04	0.0	
20 MHz	1	1	501204	518598	535998	MPR	
			2506.02 MHz	2592.99 MHz	2679.99 MHz		
			19.40	19.40	18.90	0.0	
15 MHz	1	1	500700	518598	536496	MPR	
			2503.5 MHz	2592.99 MHz	2682.48MHz		
			19.38	19.36	18.97	0.0	
10 MHz	1	1	500202	518598	537000	MPR	
			2501.01 MHz	2592.99 MHz	2685 MHz		
			19.21	19.30	18.99	0.0	

NR Band n66 (ANT B)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Average Power (dBm) Pamx			MPR	Tune-up Limit
					Measured Pwr (dBm)				
					346000	349000	352000		
					1730 MHz	1745 MHz	1760 MHz		
40 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.09	23.26	23.28	0.0	24.5
			1	108	23.31	23.39	23.49	0.0	24.5
			1	214	23.34	23.45	23.42	0.0	24.5
			108	0	22.32	22.39	22.53	0.5	24.0
			108	54	23.46	23.45	23.62	0.0	24.5
			108	108	22.55	22.61	22.71	0.5	24.0
			216	0	22.50	22.61	22.67	0.5	24.0
		QPSK	1	1	23.27	23.34	23.44	0.0	24.5
			1	108	23.46	23.56	23.58	0.0	24.5
			1	214	23.48	23.57	23.61	0.0	24.5
			108	0	22.37	22.46	22.54	1.0	23.5
			108	54	23.54	23.46	23.68	0.0	24.5
			108	108	22.58	22.65	22.72	1.0	23.5
			216	0	22.50	22.61	22.68	1.0	23.5
		16QAM	1	1	22.26	22.43	22.42	1.0	23.5
			1	108	22.52	22.52	22.64	1.0	23.5
			1	214	22.48	22.63	22.65	1.0	23.5
		64QAM	1	1	20.94	21.03	21.15	2.5	22.0
		256QAM	1	1	18.25	18.34	18.50	4.5	20.0
	CP-OFDM	QPSK	1	1	21.82	21.89	22.00	1.5	23.0
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					345000	349000	353000		
					1725 MHz	1745 MHz	1765 MHz		
30 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.22	23.40	23.41	0.0	24.5
			1	80	23.40	23.45	23.52	0.0	24.5
			1	158	23.36	23.59	23.55	0.0	24.5
			80	0	22.41	22.57	22.62	0.5	24.0
			80	40	23.49	23.51	23.63	0.0	24.5
			80	80	22.59	22.75	22.71	0.5	24.0
			160	0	22.51	22.54	22.66	0.5	24.0
		QPSK	1	1	23.34	23.53	23.55	0.0	24.5
			1	80	23.51	23.63	23.62	0.0	24.5
			1	158	23.49	23.72	23.66	0.0	24.5
			80	0	22.45	22.65	22.61	1.0	23.5
			80	40	23.53	23.53	23.65	0.0	24.5
			80	80	22.58	22.79	22.77	1.0	23.5
			160	0	22.52	22.64	22.72	1.0	23.5
		16QAM	1	1	22.37	22.58	22.56	1.0	23.5
		64QAM	1	1	21.02	21.20	21.21	2.5	22.0
		256QAM	1	1	18.39	18.59	18.58	4.5	20.0
	CP-OFDM	QPSK	1	1	21.91	22.03	22.00	1.5	23.0
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					344500	349000	353500		
					1722.5 MHz	1745 MHz	1767.5 MHz		
25 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.39	23.43	23.64	0.0	24.5
			1	67	23.17	23.12	23.45	0.0	24.5
			1	131	23.62	23.61	23.21	0.0	24.5
			64	0	22.35	22.40	22.53	0.5	24.0
			64	35	23.33	23.42	23.60	0.0	24.5
			64	69	22.43	22.47	22.69	0.5	24.0
			128	0	22.35	22.51	22.60	0.5	24.0
		QPSK	1	1	23.53	23.44	23.78	0.0	24.5
			1	67	23.30	23.23	23.54	0.0	24.5
			1	131	23.78	23.52	23.80	0.0	24.5
			64	0	22.40	22.39	22.58	1.0	23.5
			64	35	23.32	23.32	23.59	0.0	24.5
			64	69	22.45	22.42	22.72	1.0	23.5
			128	0	22.37	22.39	22.64	1.0	23.5
		16QAM	1	1	22.56	22.58	22.75	1.0	23.5
		64QAM	1	1	21.28	21.26	21.38	2.5	22.0
		256QAM	1	1	18.57	18.57	18.70	4.5	20.0
	CP-OFDM	QPSK	1	1	22.05	21.97	22.23	1.5	23.0

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					344000	349000	354000		
					1720 MHz	1745 MHz	1770 MHz		
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.20	23.32	23.45	0.0	24.5
			1	53	23.18	23.29	23.44	0.0	24.5
			1	104	23.30	23.44	23.47	0.0	24.5
			50	0	22.41	22.55	22.51	0.5	24.0
			50	28	23.36	23.52	23.63	0.0	24.5
			50	56	22.47	22.46	22.70	0.5	24.0
			100	0	22.37	22.50	22.61	0.5	24.0
		QPSK	1	1	23.31	23.44	23.56	0.0	24.5
			1	53	23.32	23.40	23.52	0.0	24.5
			1	104	23.44	23.53	23.57	0.0	24.5
			50	0	22.42	22.56	22.56	1.0	23.5
			50	28	23.36	23.54	23.66	0.0	24.5
			50	56	22.47	22.50	22.68	1.0	23.5
			100	0	22.42	22.56	22.67	1.0	23.5
		16QAM	1	1	22.36	22.44	22.66	1.0	23.5
			1	53	22.35	22.45	22.57	1.0	23.5
			1	104	22.46	22.59	22.71	1.0	23.5
		64QAM	1	1	21.03	21.17	21.25	2.5	22.0
		256QAM	1	1	18.32	18.48	18.60	4.5	20.0
	CP-OFDM	QPSK	1	1	21.88	21.93	22.06	1.5	23.0
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					343500	349000	354500		
					1717.5 MHz	1745 MHz	1772.5 MHz		
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.29	23.31	23.52	0.0	24.5
			1	40	23.30	23.33	23.49	0.0	24.5
			1	77	23.44	23.51	23.40	0.0	24.5
			36	0	22.38	22.60	22.59	0.5	24.0
			36	22	23.41	23.55	23.68	0.0	24.5
			36	43	22.43	22.50	22.66	0.5	24.0
			75	0	22.49	22.57	22.68	0.5	24.0
		QPSK	1	1	23.38	23.46	23.57	0.0	24.5
			1	40	23.37	23.47	23.59	0.0	24.5
			1	77	23.53	23.59	23.45	0.0	24.5
			36	0	22.43	22.59	22.63	1.0	23.5
			36	22	23.43	23.55	23.73	0.0	24.5
			36	43	22.49	22.57	22.69	1.0	23.5
			75	0	22.52	22.60	22.73	1.0	23.5
		16QAM	1	1	22.41	22.38	22.60	1.0	23.5
		64QAM	1	1	21.04	21.24	21.28	2.5	22.0
		256QAM	1	1	18.37	18.57	18.58	4.5	20.0
	CP-OFDM	QPSK	1	1	21.91	21.98	20.69	1.5	23.0
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					343000	349000	355000		
					1715 MHz	1745 MHz	1775 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.20	23.19	23.53	0.0	24.5
			1	26	23.32	23.15	23.43	0.0	24.5
			1	50	23.29	23.26	23.18	0.0	24.5
			25	0	22.28	22.40	22.60	0.5	24.0
			25	14	23.41	23.43	23.53	0.0	24.5
			25	27	22.38	22.39	22.60	0.5	24.0
			50	0	22.41	22.40	22.60	0.5	24.0
		QPSK	1	1	23.34	23.31	23.58	0.0	24.5
			1	26	23.44	23.37	23.52	0.0	24.5
			1	50	23.37	23.36	23.22	0.0	24.5
			25	0	22.31	22.56	22.62	1.0	23.5
			25	14	23.43	23.68	23.36	0.0	24.5
			25	27	22.45	22.41	22.60	1.0	23.5
			50	0	22.40	22.32	22.60	1.0	23.5
		16QAM	1	1	22.34	22.35	22.64	1.0	23.5
		64QAM	1	1	21.02	20.99	21.29	2.5	22.0
		256QAM	1	1	18.19	18.30	18.47	4.5	20.0
	CP-OFDM	QPSK	1	1	21.82	21.78	21.72	1.5	23.0

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					342500	349000	355500		
					1712.5 MHz	1745 MHz	1777.5 MHz		
5 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.16	23.12	23.47	0.0	24.5
			1	13	23.16	22.88	23.07	0.0	24.5
			1	23	23.23	23.06	22.98	0.0	24.5
			12	0	22.26	22.43	22.59	0.5	24.0
			12	7	23.24	23.25	23.55	0.0	24.5
			12	13	22.36	22.38	22.68	0.5	24.0
			25	0	22.31	22.56	22.56	0.5	24.0
		QPSK	1	1	23.25	23.35	23.54	0.0	24.5
			1	13	23.29	23.02	23.18	0.0	24.5
			1	23	23.31	23.16	23.04	0.0	24.5
			12	0	22.31	22.43	22.58	1.0	23.5
			12	7	23.13	23.41	23.54	0.0	24.5
			12	13	22.81	22.42	22.68	1.0	23.5
			25	0	23.01	22.42	22.62	1.0	23.5
		16QAM	1	1	22.21	22.31	22.49	1.0	23.5
		64QAM	1	1	20.54	21.04	21.22	2.5	22.0
		256QAM	1	1	18.25	18.18	17.53	4.5	20.0
	CP-OFDM	QPSK	1	1	21.73	21.86	21.48	1.5	23.0

NR Band n66 (ANT F)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)			MPR	Tune-up Limit
					Measured Pwr (dBm)				
					346000	349000	352000		
					1730 MHz	1745 MHz	1760 MHz		
40 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.06	23.10	23.07	0.0	24.0
			1	108	23.10	23.19	23.16	0.0	24.0
			1	214	23.11	23.15	23.24	0.0	24.0
			108	0	22.18	22.21	22.23	0.5	23.5
			108	54	23.26	23.31	23.28	0.0	24.0
			108	108	22.31	22.31	22.38	0.5	23.5
			216	0	22.31	22.32	22.35	0.5	23.5
		QPSK	1	1	23.18	23.23	23.15	0.0	24.0
			1	108	23.23	23.29	23.30	0.0	24.0
			1	214	23.22	23.32	23.38	0.0	24.0
			108	0	22.20	22.30	22.24	1.0	23.0
			108	54	23.27	23.32	23.36	0.0	24.0
			108	108	22.27	22.35	22.42	1.0	23.0
			216	0	22.32	22.35	22.35	1.0	23.0
		16QAM	1	1	22.25	22.29	22.22	1.0	23.0
			1	108	22.29	22.35	22.26	1.0	23.0
			1	214	22.27	22.37	22.35	1.0	23.0
		64QAM	1	1	20.85	20.98	20.91	2.5	21.5
		256QAM	1	1	18.19	18.24	18.78	4.5	19.5
	CP-OFDM	QPSK	1	1	21.66	21.77	21.68	1.5	22.5

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					345000	349000	353000		
					1725 MHz	1745 MHz	1765 MHz		
30 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.17	23.13	23.13	0.0	24.0
			1	80	23.11	23.22	23.18	0.0	24.0
			1	158	23.15	23.20	23.29	0.0	24.0
			80	0	22.21	22.21	22.35	0.5	23.5
			80	40	23.34	23.29	23.29	0.0	24.0
			80	80	22.34	22.34	22.45	0.5	23.5
			160	0	22.35	22.34	22.34	0.5	23.5
		QPSK	1	1	23.22	23.29	23.26	0.0	24.0
			1	80	23.24	23.29	23.32	0.0	24.0
			1	158	23.23	23.33	23.42	0.0	24.0
			80	0	22.25	22.29	22.34	1.0	23.0
			80	40	23.35	23.32	23.34	0.0	24.0
			80	80	22.41	22.36	22.47	1.0	23.0
			160	0	22.39	22.36	22.34	1.0	23.0
		16QAM	1	1	22.31	22.28	22.29	1.0	23.0
		64QAM	1	1	20.95	20.99	20.99	2.5	21.5
		256QAM	1	1	18.27	18.27	18.27	4.5	19.5
	CP-OFDM	QPSK	1	1	21.79	21.79	21.78	1.5	22.5

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					344500	349000	353500		
					1722.5 MHz	1745 MHz	1767.5 MHz		
25 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.11	23.18	23.17	0.0	24.0
			1	67	22.80	22.87	23.01	0.0	24.0
			1	131	23.25	23.28	23.22	0.0	24.0
			64	0	22.00	22.02	22.02	0.5	23.5
			64	35	22.94	23.00	23.11	0.0	24.0
			64	69	22.10	22.03	22.09	0.5	23.5
			128	0	22.01	22.06	22.12	0.5	23.5
		QPSK	1	1	23.27	23.29	23.26	0.0	24.0
			1	67	22.93	22.96	23.06	0.0	24.0
			1	131	23.36	23.47	23.47	0.0	24.0
			64	0	21.98	22.09	22.06	1.0	23.0
			64	35	22.99	23.02	23.14	0.0	24.0
			64	69	22.08	22.08	22.12	1.0	23.0
			128	0	22.00	22.06	22.16	1.0	23.0
		16QAM	1	1	22.34	22.33	22.32	1.0	23.0
		64QAM	1	1	20.97	21.03	21.06	2.5	21.5
		256QAM	1	1	18.27	18.34	18.29	4.5	19.5
	CP-OFDM	QPSK	1	1	21.81	21.86	21.84	1.5	22.5

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					344000	349000	354000		
					1720 MHz	1745 MHz	1770 MHz		
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.05	22.88	22.99	0.0	24.0
			1	53	22.97	22.82	23.08	0.0	24.0
			1	104	23.13	22.90	23.12	0.0	24.0
			50	0	22.13	21.97	22.09	0.5	23.5
			50	28	23.06	22.96	23.17	0.0	24.0
			50	56	22.24	21.95	22.17	0.5	23.5
			100	0	22.14	22.02	22.18	0.5	23.5
		QPSK	1	1	23.12	23.02	23.13	0.0	24.0
			1	53	23.06	22.91	23.16	0.0	24.0
			1	104	23.24	23.09	23.24	0.0	24.0
			50	0	22.18	22.00	22.13	1.0	23.0
			50	28	23.14	22.96	23.22	0.0	24.0
			50	56	22.23	22.00	22.21	1.0	23.0
			100	0	22.16	22.02	22.25	1.0	23.0
		16QAM	1	1	22.23	22.08	22.09	1.0	23.0
			1	53	22.11	22.02	22.28	1.0	23.0
			1	104	22.26	22.05	22.21	1.0	23.0
		64QAM	1	1	20.82	20.73	20.86	2.5	21.5
		256QAM	1	1	18.13	18.04	18.13	4.5	19.5
	CP-OFDM	QPSK	1	1	21.69	21.54	21.68	1.5	22.5
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					343500	349000	354500		
					1717.5 MHz	1745 MHz	1772.5 MHz		
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.11	23.10	23.12	0.0	24.0
			1	40	23.04	23.05	23.08	0.0	24.0
			1	77	23.11	23.10	23.17	0.0	24.0
			36	0	22.18	22.18	22.59	0.5	23.5
			36	22	23.15	22.77	22.24	0.0	24.0
			36	43	22.14	22.73	22.23	0.5	23.5
			75	0	22.15	22.77	22.23	0.5	23.5
		QPSK	1	1	23.16	23.14	23.20	0.0	24.0
			1	40	23.11	23.10	23.16	0.0	24.0
			1	77	23.13	23.19	23.31	0.0	24.0
			36	0	22.19	22.21	22.28	1.0	23.0
			36	22	23.16	23.17	23.23	0.0	24.0
			36	43	22.25	22.20	22.24	1.0	23.0
			75	0	22.20	22.19	22.27	1.0	23.0
		16QAM	1	1	22.23	22.22	22.26	1.0	23.0
		64QAM	1	1	20.83	20.86	20.97	2.5	21.5
		256QAM	1	1	18.18	18.18	18.26	4.5	19.5
	CP-OFDM	QPSK	1	1	22.09	21.71	21.81	1.5	22.5
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					343000	349000	355000		
					1715 MHz	1745 MHz	1775 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	22.93	23.03	23.14	0.0	24.0
			1	26	22.97	23.04	23.26	0.0	24.0
			1	50	22.92	22.99	23.14	0.0	24.0
			25	0	22.01	22.11	22.19	0.5	23.5
			25	14	23.02	23.09	23.32	0.0	24.0
			25	27	22.04	22.15	22.34	0.5	23.5
			50	0	22.00	22.11	22.30	0.5	23.5
		QPSK	1	1	23.00	23.10	23.20	0.0	24.0
			1	26	23.05	23.14	23.34	0.0	24.0
			1	50	23.01	23.04	23.28	0.0	24.0
			25	0	22.01	22.13	22.36	1.0	23.0
			25	14	23.02	23.11	23.33	0.0	24.0
			25	27	22.06	22.12	22.35	1.0	23.0
			50	0	22.01	22.13	22.30	1.0	23.0
		16QAM	1	1	20.69	22.23	22.34	1.0	23.0
		64QAM	1	1	20.69	20.82	20.90	2.5	21.5
		256QAM	1	1	18.05	18.12	18.23	4.5	19.5
	CP-OFDM	QPSK	1	1	21.56	21.64	21.74	1.5	22.5

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					342500	349000	355500		
					1712.5 MHz	1745 MHz	1777.5 MHz		
5 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.10	23.07	22.92	0.0	24.0
			1	13	23.11	23.10	22.92	0.0	24.0
			1	23	23.10	23.11	22.88	0.0	24.0
			12	0	22.20	22.20	21.96	0.5	23.5
			12	7	23.19	23.17	23.01	0.0	24.0
			12	13	22.20	22.18	21.97	0.5	23.5
			25	0	22.17	22.15	21.98	0.5	23.5
		QPSK	1	1	23.15	23.16	22.97	0.0	24.0
			1	13	23.18	23.22	23.00	0.0	24.0
			1	23	23.16	23.16	22.97	0.0	24.0
			12	0	22.21	22.21	22.03	1.0	23.0
			12	7	23.23	23.18	23.03	0.0	24.0
			12	13	22.23	22.21	22.01	1.0	23.0
			25	0	22.20	22.23	22.03	1.0	23.0
		16QAM	1	1	22.24	22.23	22.07	1.0	23.0
		64QAM	1	1	20.87	20.90	20.72	2.5	21.5
		256QAM	1	1	18.19	18.18	18.03	4.5	19.5
	CP-OFDM	QPSK	1	1	21.68	21.69	21.48	1.5	22.5

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BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Reduced Average Power (dBm)			MPR	Tune-up Limit
					Measured Pwr (dBm)				
					134600	136100	137600		
					673 MHz	680.5 MHz	688 MHz		
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.76	24.73	24.55	0.0	25.5
			1	53	24.61	24.63	24.32	0.0	25.5
			1	104	24.41	24.47	24.24	0.0	25.5
			50	0	23.71	23.77	23.51	0.5	25.0
			50	28	24.67	24.68	24.41	0.0	25.5
			50	56	23.58	23.57	23.43	0.5	25.0
			100	0	23.73	23.73	23.50	0.5	25.0
		QPSK	1	1	24.95	24.90	24.67	0.0	25.5
			1	53	24.76	24.72	24.50	0.0	25.5
			1	104	24.53	24.59	24.31	0.0	25.5
			50	0	23.83	23.79	23.57	1.0	24.5
			50	28	24.69	24.65	24.43	0.0	25.5
			50	56	23.60	23.64	23.37	1.0	24.5
			100	0	23.76	23.74	23.52	1.0	24.5
		16QAM	1	1	23.97	23.86	23.76	1.0	24.5
			1	53	23.74	23.73	23.47	1.0	24.5
			1	104	23.57	23.60	23.38	1.0	24.5
		64QAM	1	1	22.61	22.56	22.31	2.5	23.0
		256QAM	1	1	19.85	19.76	19.55	4.5	21.0
	CP-OFDM	QPSK	1	1	23.35	23.25	23.14	1.5	24.0
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					134100	136100	138100		
					670.5 MHz	680.5 MHz	690.5 MHz		
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.82	24.75	24.37	0.0	25.5
			1	40	24.63	24.69	24.30	0.0	25.5
			1	77	24.58	24.51	24.26	0.0	25.5
			36	0	23.82	23.81	23.46	0.5	25.0
			36	22	24.73	24.73	24.35	0.0	25.5
			36	43	23.67	23.68	23.31	0.5	25.0
			75	0	23.81	23.82	23.43	0.5	25.0
		QPSK	1	1	24.96	24.93	24.53	0.0	25.5
			1	40	24.79	24.82	24.41	0.0	25.5
			1	77	24.65	24.71	24.29	0.0	25.5
			36	0	23.88	23.82	23.46	1.0	24.5
			36	22	24.76	24.76	24.41	0.0	25.5
			36	43	23.67	23.74	23.35	1.0	24.5
			75	0	23.81	23.81	23.46	1.0	24.5
		16QAM	1	1	24.00	23.94	23.59	1.0	24.5
		64QAM	1	1	22.63	22.59	22.21	2.5	23.0
		256QAM	1	1	19.94	19.89	19.51	4.5	21.0
	CP-OFDM	QPSK	1	1	23.35	23.32	22.91	1.5	24.0
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					133600	136100	138600		
					668 MHz	680.5 MHz	693 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.83	24.61	24.52	0.0	25.5
			1	26	24.74	24.57	24.52	0.0	25.5
			1	50	24.74	24.50	24.48	0.0	25.5
			25	0	23.91	23.70	23.50	0.5	25.0
			25	14	24.96	24.67	24.46	0.0	25.5
			25	27	23.86	23.61	23.43	0.5	25.0
			50	0	23.90	23.67	23.45	0.5	25.0
		QPSK	1	1	24.98	24.79	24.57	0.0	25.5
			1	26	24.88	24.71	24.55	0.0	25.5
			1	50	24.88	24.59	24.46	0.0	25.5
			25	0	23.93	23.72	23.57	1.0	24.5
			25	14	24.94	24.64	24.45	0.0	25.5
			25	27	23.91	23.65	23.42	1.0	24.5
			50	0	23.93	23.67	23.51	1.0	24.5
		16QAM	1	1	23.89	23.75	23.58	1.0	24.5
		64QAM	1	1	22.68	22.46	22.25	2.5	23.0
		256QAM	1	1	19.94	19.76	19.56	4.5	21.0
	CP-OFDM	QPSK	1	1	21.81	22.70	22.97	1.5	24.0

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					133100	136100	139100		
					665.5 MHz	680.5 MHz	695.5 MHz		
5 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.81	24.57	24.45	0.0	25.5
			1	13	24.82	24.66	24.51	0.0	25.5
			1	23	24.73	24.53	24.45	0.0	25.5
			12	0	23.93	23.80	23.47	0.5	25.0
			12	7	24.92	23.61	24.50	0.0	25.5
			12	13	23.92	23.56	23.48	0.5	25.0
			25	0	23.90	23.66	23.48	0.5	25.0
		QPSK	1	1	25.02	24.67	24.52	0.0	25.5
			1	13	24.95	24.70	24.56	0.0	25.5
			1	23	24.88	24.60	24.38	0.0	25.5
			12	0	24.00	23.68	23.50	1.0	24.5
			12	7	24.99	24.72	24.51	0.0	25.5
			12	13	23.96	23.64	23.48	1.0	24.5
			25	0	23.95	23.68	23.51	1.0	24.5
		16QAM	1	1	23.99	23.74	23.55	1.0	24.5
		64QAM	1	1	22.73	22.37	22.21	2.5	23.0
		256QAM	1	1	19.95	19.66	19.49	4.5	21.0
	CP-OFDM	QPSK	1	1	23.39	23.11	22.90	1.5	24.0

NR Band n77(PC2)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)						MPR	Tune-up Limit
					Measured Pwr (dBm)							
					[redacted]	633332	[redacted]	650000	656000	662000		
						3499.98MHz		3750 MHz	3840 MHz	3930 MHz		
100 MHz	DFT-s-OFDM	π/2 BPSK	1	1		26.23		25.62	26.38	26.78	0.0	27.0
			1	137		26.58		26.08	26.93	26.62	0.0	27.0
			1	271		26.43		26.10	26.68	26.81	0.0	27.0
			135	0		26.02		25.48	26.19	26.29	0.5	26.5
			135	69		26.63		26.16	26.89	26.62	0.0	27.0
			135	138		25.90		25.66	26.32	26.02	0.5	26.5
			270	0		26.07		25.52	26.25	26.19	0.5	26.5
		QPSK	1	1		26.28		25.75	26.42	26.81	0.0	27.0
			1	137		26.61		26.06	26.93	26.64	0.0	27.0
			1	271		26.44		26.02	26.86	26.80	0.0	27.0
			135	0		25.54		24.92	25.75	25.69	1.0	26.0
			135	69		26.60		26.18	26.95	26.66	0.0	27.0
			135	138		25.43		25.19	25.95	25.62	1.0	26.0
			270	0		25.58		25.01	25.88	25.80	1.0	26.0
		16QAM	1	1		25.41		24.78	25.51	25.95	1.0	26.0
			1	137		25.71		25.17	25.93	25.83	1.0	26.0
			1	271		25.48		25.26	25.77	25.73	1.0	26.0
		64QAM	1	1		23.93		23.34	24.02	24.29	2.5	24.5
		256QAM	1	1		21.72		21.06	21.68	22.32	4.5	22.5
	CP-OFDM	QPSK	1	1		24.79		24.23	25.05	25.38	1.5	25.5

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)						MPR	Tune-up Limit
					633000	633332	633666	649666	656000	662332		
					3495MHz	3499.98MHz	3504.99MHz	3744.99MHz	3840 MHz	3934.98MHz		
90 MHz	DFT-s-OFDM	π/2 BPSK	1	1	26.45	26.49	26.44	26.00	26.60	26.94	0.0	27.0
			1	123	26.69	26.81	26.76	26.41	26.79	26.67	0.0	27.0
			1	243	26.71	26.78	26.75	26.55	26.70	26.95	0.0	27.0
			120	0	26.36	26.31	26.30	26.25	26.37	26.38	0.5	26.5
			120	63	26.87	26.92	26.84	26.40	26.87	26.76	0.0	27.0
			120	125	26.46	26.42	26.29	26.45	26.25	26.34	0.5	26.5
			243	0	26.22	26.35	26.36	26.27	26.37	26.43	0.5	26.5
		QPSK	1	1	26.28	26.36	26.33	25.72	26.43	26.75	0.0	27.0
			1	123	26.56	26.79	26.70	26.23	26.85	26.41	0.0	27.0
			1	243	26.66	26.86	26.71	26.42	26.83	26.79	0.0	27.0
			120	0	25.62	25.61	25.75	25.15	25.83	25.75	1.0	26.0
			120	63	26.68	26.93	26.79	26.26	26.94	26.61	0.0	27.0
			120	125	25.68	25.67	25.74	25.35	25.88	25.61	1.0	26.0
			243	0	25.73	25.77	25.78	25.23	25.96	25.76	1.0	26.0
		16QAM	1	1	25.71	25.66	25.75	25.15	25.84	25.79	1.0	26.0
		64QAM	1	1	24.14	24.19	24.15	23.62	24.36	24.33	2.5	24.5
		256QAM	1	1	21.72	21.73	21.79	21.24	22.07	22.43	4.5	22.5
	CP-OFDM	QPSK	1	1	24.84	24.96	24.97	24.38	25.02	25.26	1.5	25.5

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)						MPR	Tune-up Limit
					632668	633332	634000	649334	656000	662666		
					3490.02 MHz	3499.98MHz	3510 MHz	3740.01 MHz	3840 MHz	3939.99 MHz		
80 MHz	DFT-s-OFDM	π/2 BPSK	1	1	26.47	26.51	26.61	25.84	26.72	26.79	0.0	27.0
			1	109	26.72	26.81	26.71	26.21	26.83	26.63	0.0	27.0
			1	215	26.76	26.72	26.68	26.38	26.93	26.87	0.0	27.0
			108	0	26.21	26.22	26.29	26.14	26.43	26.34	0.5	26.5
			108	55	26.88	26.95	26.81	26.32	26.81	26.78	0.0	27.0
			108	109	26.23	26.21	26.29	26.46	26.38	26.30	0.5	26.5
			216	0	26.42	26.32	26.30	26.25	26.48	26.26	0.5	26.5
		QPSK	1	1	26.37	26.42	26.52	25.86	26.67	26.72	0.0	27.0
			1	109	26.63	26.70	26.67	26.20	26.93	26.60	0.0	27.0
			1	215	26.73	26.64	26.66	26.34	26.83	26.82	0.0	27.0
			108	0	25.67	25.66	25.80	25.23	25.97	25.88	1.0	26.0
			108	55	26.83	26.90	26.81	26.33	26.85	26.79	0.0	27.0
			108	109	25.81	25.78	25.77	25.43	25.90	25.80	1.0	26.0
			216	0	25.81	25.80	25.80	25.27	25.82	25.73	1.0	26.0
		16QAM	1	1	25.69	25.75	25.91	25.21	25.76	25.84	1.0	26.0
		64QAM	1	1	24.24	24.16	24.30	23.78	24.44	24.18	2.5	24.5
		256QAM	1	1	21.91	21.97	22.02	21.56	22.19	22.24	4.5	22.5
	CP-OFDM	QPSK	1	1	24.96	25.08	25.19	24.51	25.22	25.37	1.5	25.5

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BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)						MPR	Tune-up Limit
					632334	633332	634332	649000	656000	663000		
					3485.01 MHz	3499.98MHz	3514.98 MHz	3735MHz	3840 MHz	3945MHz		
70 MHz	DFT-s-OFDM	π/2 BPSK	1	1	26.04	26.06	26.81	26.79	26.47	26.51	0.0	27.0
			1	95	25.94	26.38	26.86	26.70	26.72	26.81	0.0	27.0
			1	187	25.88	26.37	26.76	26.93	26.76	26.72	0.0	27.0
			90	0	26.23	26.23	25.77	26.45	26.45	26.26	0.5	26.5
			90	50	26.08	26.35	26.00	26.81	26.88	26.95	0.0	27.0
			90	99	26.05	26.48	25.43	26.49	26.47	26.30	0.5	26.5
			180	0	25.61	25.85	25.75	25.95	26.29	26.38	0.5	26.5
		QPSK	1	1	26.35	26.51	26.55	25.82	26.60	26.69	0.0	27.0
			1	95	26.69	26.70	26.50	26.11	26.96	26.61	0.0	27.0
			1	187	26.65	26.69	26.52	26.27	26.84	26.76	0.0	27.0
			90	0	25.64	25.80	25.79	25.19	25.95	25.75	1.0	26.0
			90	50	26.76	26.85	26.73	26.27	26.54	26.67	0.0	27.0
			90	99	25.78	25.76	25.73	25.41	25.87	25.80	1.0	26.0
			180	0	25.76	25.86	25.80	25.31	25.89	25.78	1.0	26.0
		16QAM	1	1	25.36	25.67	25.97	25.09	25.98	25.82	1.0	26.0
		64QAM	1	1	23.90	24.11	24.47	23.67	24.01	24.32	2.5	24.5
		256QAM	1	1	21.97	22.46	22.17	21.14	22.10	22.16	4.5	22.5
	CP-OFDM	QPSK	1	1	24.92	25.11	25.22	24.40	25.25	25.22	1.5	25.5

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)						MPR	Tune-up Limit
					632000	633332	634666	648668	656000	663332		
					3480 MHz	3499.98MHz	3519.99 MHz	3730.02 MHz	3840 MHz	3949.98 MHz		
60 MHz	DFT-s-OFDM	π/2 BPSK	1	1	26.31	26.46	26.75	25.85	26.81	26.64	0.0	27.0
			1	81	26.73	26.79	26.85	26.13	26.84	26.71	0.0	27.0
			1	160	26.68	26.70	26.77	26.31	26.79	26.94	0.0	27.0
			81	0	26.11	26.21	26.34	25.58	26.21	26.29	0.5	26.5
			81	41	26.62	26.83	26.84	26.20	26.92	26.83	0.0	27.0
			81	81	26.20	26.34	26.36	25.85	26.46	26.46	0.5	26.5
			162	0	26.15	26.30	26.34	25.68	26.41	26.32	0.5	26.5
		QPSK	1	1	26.45	26.52	26.74	25.80	26.76	26.73	0.0	27.0
			1	81	26.76	26.80	26.81	26.09	26.83	26.77	0.0	27.0
			1	160	26.64	26.75	26.75	26.28	26.75	26.95	0.0	27.0
			81	0	25.68	25.81	25.83	25.17	26.00	25.78	1.0	26.0
			81	41	26.61	26.87	26.85	26.20	26.86	26.80	0.0	27.0
			81	81	25.67	25.84	25.83	25.34	25.97	25.93	1.0	26.0
			162	0	25.61	25.84	25.85	25.21	25.89	25.82	1.0	26.0
		16QAM	1	1	25.34	25.56	25.76	24.92	25.91	25.72	1.0	26.0
		64QAM	1	1	23.87	24.11	24.28	23.42	24.30	24.15	2.5	24.5
		256QAM	1	1	21.85	22.13	22.26	21.40	22.18	22.19	4.5	22.5
	CP-OFDM	QPSK	1	1	24.84	25.04	25.29	24.44	25.29	25.21	1.5	25.5

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)						MPR	Tune-up Limit
					631668	633332	635000	648334	656000	663666		
					3475.02 MHz	3499.98MHz	3525 MHz	3725.01 MHz	3840 MHz	3954.99 MHz		
50 MHz	DFT-s-OFDM	π/2 BPSK	1	1	26.44	26.67	26.78	25.84	26.90	26.81	0.0	27.0
			1	67	26.52	26.71	26.64	26.11	26.97	26.89	0.0	27.0
			1	131	26.72	26.66	26.64	26.22	26.75	26.90	0.0	27.0
			64	0	26.41	26.37	25.87	26.03	26.45	26.41	0.5	26.5
			64	35	26.59	26.79	26.72	26.17	26.42	26.45	0.0	27.0
			64	69	26.49	26.50	26.40	26.22	26.41	26.45	0.5	26.5
			128	0	26.11	26.37	25.88	26.13	25.97	25.91	0.5	26.5
		QPSK	1	1	26.50	26.65	26.84	25.87	26.78	26.90	0.0	27.0
			1	67	26.50	26.65	26.70	26.13	26.87	26.93	0.0	27.0
			1	131	26.71	26.65	26.68	26.22	26.72	26.95	0.0	27.0
			64	0	25.57	25.92	25.87	25.01	25.95	25.94	1.0	26.0
			64	35	26.57	26.78	26.71	26.15	26.45	27.00	0.0	27.0
			64	69	25.57	25.58	25.97	25.94	25.67	25.91	1.0	26.0
			128	0	25.56	25.32	25.87	25.12	25.47	25.37	1.0	26.0
		16QAM	1	1	25.73	25.88	25.49	25.96	25.77	25.92	1.0	26.0
		64QAM	1	1	24.00	24.22	23.45	23.54	24.34	23.76	2.5	24.5
		256QAM	1	1	22.01	22.12	22.23	22.08	22.14	22.24	4.5	22.5
	CP-OFDM	QPSK	1	1	25.00	25.18	25.23	25.06	24.49	25.10	1.5	25.5

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)						MPR	Tune-up Limit
					631334	633332	635332	648000	656000	664000		
					3470.01 MHz	3499.98MHz	3529.98 MHz	3720.02 MHz	3840 MHz	3960 MHz		
40 MHz	DFT-s-OFDM	π/2 BPSK	1	1	26.12	26.43	25.84	25.70	26.61	26.84	0.0	27.0
			1	53	26.18	26.37	26.09	25.67	26.72	26.32	0.0	27.0
			1	104	26.56	26.70	25.73	25.85	26.75	26.56	0.0	27.0
			50	0	25.79	26.05	25.54	25.18	26.18	26.46	0.5	26.5
			50	28	26.34	26.48	26.16	25.79	26.83	26.42	0.0	27.0
			50	56	25.97	26.05	25.46	25.44	26.35	26.49	0.5	26.5
			100	0	25.87	25.99	25.62	25.25	26.32	26.49	0.5	26.5
		QPSK	1	1	26.20	26.51	25.94	25.70	26.66	26.40	0.0	27.0
			1	53	26.15	26.40	26.09	25.69	26.70	26.41	0.0	27.0
			1	104	26.58	26.57	25.76	25.92	26.83	26.61	0.0	27.0
			50	0	25.32	25.56	25.13	24.69	25.72	25.97	1.0	26.0
			50	28	26.32	26.52	26.25	25.68	26.84	26.47	0.0	27.0
			50	56	25.50	25.57	25.00	24.85	25.84	25.88	1.0	26.0
			100	0	25.30	25.52	25.11	24.72	25.80	25.94	1.0	26.0
		16QAM	1	1	25.33	25.38	24.70	24.62	25.48	25.89	1.0	26.0
		64QAM	1	1	23.61	24.15	23.56	23.39	24.13	24.22	2.5	24.5
		256QAM	1	1	21.79	21.56	22.48	22.31	22.35	22.33	4.5	22.5
	CP-OFDM	QPSK	1	1	24.68	25.00	24.42	24.26	24.96	24.35	1.5	25.5
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)						MPR	Tune-up Limit
					631000	633332	635668	647668	656000	664332		
					3465 MHz	3499.98MHz	3535.02 MHz	3715.02 MHz	3840 MHz	3964.98 MHz		
30 MHz	DFT-s-OFDM	π/2 BPSK	1	1	26.18	26.49	26.49	25.53	26.56	26.72	0.0	27.0
			1	39	26.11	26.34	26.39	25.60	26.70	26.71	0.0	27.0
			1	76	26.37	26.46	26.47	25.79	26.79	26.78	0.0	27.0
			36	0	25.75	26.04	26.02	25.17	26.16	26.35	0.5	26.5
			36	21	26.23	26.44	26.49	25.65	26.81	26.76	0.0	27.0
			36	42	25.92	26.05	26.01	25.34	26.35	26.26	0.5	26.5
			75	0	25.76	26.04	25.76	25.17	26.04	26.30	0.5	26.5
		QPSK	1	1	26.16	26.46	26.19	25.60	26.24	26.82	0.0	27.0
			1	39	26.18	26.38	26.27	25.57	26.44	26.81	0.0	27.0
			1	76	26.42	26.45	26.13	25.80	26.38	26.83	0.0	27.0
			36	0	25.30	25.59	25.56	24.68	25.71	25.84	1.0	26.0
			36	21	26.26	26.47	26.51	25.64	26.82	26.78	0.0	27.0
			36	42	25.39	25.56	25.48	24.89	25.83	25.82	1.0	26.0
			75	0	25.30	25.50	25.54	24.72	25.80	25.86	1.0	26.0
		16QAM	1	1	25.12	25.34	25.36	24.58	25.46	25.60	1.0	26.0
		64QAM	1	1	23.81	24.05	24.19	23.25	24.15	24.43	2.5	24.5
		256QAM	1	1	22.00	21.49	21.45	21.34	22.25	22.38	4.5	22.5
	CP-OFDM	QPSK	1	1	24.70	25.11	24.98	24.26	25.06	25.36	1.5	25.5
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)						MPR	Tune-up Limit
					630668	633332	636000	647334	656000	664666		
					3460.02 MHz	3499.98MHz	3540 MHz	3710.01 MHz	3840 MHz	3969.99 MHz		
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1	26.10	26.44	26.44	25.47	26.62	26.60	0.0	27.0
			1	26	25.64	25.89	25.96	25.06	26.32	26.21	0.0	27.0
			1	49	25.67	25.92	25.88	25.09	26.34	26.20	0.0	27.0
			25	0	25.70	26.00	25.85	25.13	26.34	26.18	0.5	26.5
			25	13	26.18	26.46	26.40	25.64	26.85	26.66	0.0	27.0
			25	26	25.74	26.00	25.86	25.13	26.35	26.21	0.5	26.5
			50	0	25.71	25.93	25.93	25.25	25.32	25.26	0.5	26.5
		QPSK	1	1	26.10	26.46	26.19	25.50	26.61	26.63	0.0	27.0
			1	26	25.22	25.40	25.47	24.56	25.81	25.73	0.0	27.0
			1	49	25.19	25.39	25.41	24.63	25.85	25.77	0.0	27.0
			25	0	25.22	25.51	25.33	24.62	25.83	25.67	1.0	26.0
			25	13	26.16	26.49	26.36	25.61	26.87	26.66	0.0	27.0
			25	26	25.26	25.51	25.37	24.63	25.89	25.75	1.0	26.0
			50	0	25.70	25.97	25.90	25.34	25.30	25.27	1.0	26.0
		16QAM	1	1	25.03	25.35	25.39	24.44	25.47	25.43	1.0	26.0
		64QAM	1	1	23.79	24.09	24.12	23.14	24.31	24.11	2.5	24.5
		256QAM	1	1	21.70	22.05	22.06	21.94	22.20	22.24	4.5	22.5
	CP-OFDM	QPSK	1	1	24.64	25.07	24.92	24.11	25.00	25.18	1.5	25.5

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)						MPR	Tune-up Limit
					630500	633332	636168	647168	656000	664832		
					3457.5 MHz	3499.98MHz	3542.52 MHz	3709.52 MHz	3840 MHz	3972.48 MHz		
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	25.97	26.35	26.29	25.50	26.67	26.73	0.0	27.0
			1	19	26.12	26.30	26.17	25.43	26.65	26.67	0.0	27.0
			1	36	26.19	26.47	26.26	25.53	26.60	26.82	0.0	27.0
			18	0	25.54	25.95	25.86	25.04	26.28	26.22	0.5	26.5
			18	10	26.15	26.41	26.32	25.50	26.79	26.74	0.0	27.0
			18	20	25.72	26.00	25.92	25.09	26.35	26.28	0.5	26.5
			36	0	25.67	25.94	25.88	25.08	26.35	26.21	0.5	26.5
		QPSK	1	1	26.01	26.40	26.31	25.53	26.70	26.76	0.0	27.0
			1	19	26.09	26.30	26.21	25.51	26.74	26.69	0.0	27.0
			1	36	26.19	26.47	26.43	25.53	26.81	26.84	0.0	27.0
			18	0	25.05	25.44	25.37	24.52	25.82	25.69	1.0	26.0
			18	10	26.14	26.38	26.34	25.56	26.78	26.71	0.0	27.0
			18	20	25.23	25.50	25.45	24.62	25.88	25.82	1.0	26.0
			36	0	25.14	25.37	25.34	24.55	25.85	25.75	1.0	26.0
		16QAM	1	1	24.93	25.31	25.33	24.38	25.47	25.70	1.0	26.0
		64QAM	1	1	23.65	23.96	23.95	23.17	24.30	24.40	2.5	24.5
		256QAM	1	1	21.58	22.03	21.93	21.45	22.25	22.35	4.5	22.5
	CP-OFDM	QPSK	1	1	24.59	24.89	24.82	24.04	25.16	25.19	1.5	25.5

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)						MPR	Tune-up Limit
					630334	633332	636332	647000	656000	665000		
					3455.01 MHz	3499.98 MHz	3544.98 MHz	3705 MHz	3840 MHz	3975 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	25.92	26.24	26.18	25.33	26.51	26.58	0.0	27.0
			1	12	25.95	26.32	26.23	25.49	26.65	26.53	0.0	27.0
			1	22	26.03	26.35	26.29	25.46	26.56	26.65	0.0	27.0
			12	0	25.55	25.89	25.74	24.94	26.09	26.19	0.5	26.5
			12	6	26.03	26.36	25.73	25.50	26.64	26.64	0.0	27.0
			12	12	25.56	25.87	25.74	24.94	26.11	26.18	0.5	26.5
			24	0	25.57	25.88	25.74	25.00	26.12	26.16	0.5	26.5
		QPSK	1	1	26.01	26.30	25.73	25.41	26.56	26.65	0.0	27.0
			1	12	25.98	26.34	25.71	25.44	26.56	26.55	0.0	27.0
			1	22	25.97	26.34	25.73	25.45	26.53	26.62	0.0	27.0
			12	0	25.03	25.43	25.72	24.48	25.63	25.76	1.0	26.0
			12	6	26.06	26.39	25.71	25.48	26.60	26.67	0.0	27.0
			12	12	25.04	25.40	25.77	24.50	25.64	25.69	1.0	26.0
			24	0	25.05	25.41	25.76	24.48	25.65	25.64	1.0	26.0
		16QAM	1	1	24.85	25.23	25.76	24.25	25.51	25.34	1.0	26.0
		64QAM	1	1	23.58	23.95	24.20	23.01	24.05	24.32	2.5	24.5
		256QAM	1	1	21.56	21.80	21.75	21.77	22.06	22.15	4.5	22.5
	CP-OFDM	QPSK	1	1	24.39	24.81	25.39	23.90	25.08	25.17	1.5	25.5

NR Band n77(PC2, SRS1)

BW (MHz)	RB Allocation	RB offset	Maximum Average Power (dBm) SRS1							
			Measured Pwr (dBm)						MPR	Tune-up Limit
100 MHz	1	1	[redacted]	633332	[redacted]	650000	656000	662000		
				3499.98MHz		3750 MHz	3840 MHz	3930 MHz		
				17.21		16.83	17.43	16.54	0.0	
90 MHz	1	1	633000	633332	633666	649666	656000	662332	MPR	
			3495MHz	3499.98MHz	3504.99MHz	3744.99MHz	3840 MHz	3934.98MHz		
			17.25	17.29	17.25	16.73	17.49	16.55	0.0	
80 MHz	1	1	632668	633332	634000	649334	656000	662666	MPR	
			3490.02 MHz	3499.98MHz	3510 MHz	3740.01 MHz	3840 MHz	3939.99 MHz		
			17.27	17.25	17.26	16.76	17.46	16.51	0.0	
70 MHz	1	1	632334	633332	634332	649000	656000	663000	MPR	
			3485.01 MHz	3499.98MHz	3514.98 MHz	3735MHz	3840 MHz	3945MHz		
			17.23	17.26	17.25	16.74	17.43	16.42	0.0	
60 MHz	1	1	632000	633332	634666	648668	656000	663332	MPR	
			3480 MHz	3499.98MHz	3519.99 MHz	3730.02 MHz	3840 MHz	3949.98 MHz		
			17.25	17.23	17.21	16.84	17.56	17.11	0.0	
50 MHz	1	1	631668	633332	635000	648334	656000	663666	MPR	
			3475.02 MHz	3499.98MHz	3525 MHz	3725.01 MHz	3840 MHz	3954.99 MHz		
			17.26	17.26	17.20	16.88	17.57	16.53	0.0	18.0
40 MHz	1	1	631334	633332	635332	648000	656000	664000	MPR	
			3470.01 MHz	3499.98MHz	3529.98 MHz	3720.02 MHz	3840 MHz	3960 MHz		
			17.51	17.57	17.53	17.12	17.77	17.42	0.0	
30 MHz	1	1	631000	633332	635668	647668	656000	664332	MPR	
			3465 MHz	3499.98MHz	3535.02 MHz	3715.02 MHz	3840 MHz	3964.98 MHz		
			17.52	17.55	17.53	17.23	17.81	17.32	0.0	
20 MHz	1	1	630668	633332	636000	647334	656000	664666	MPR	
			3460.02 MHz	3499.98MHz	3540 MHz	3710.01 MHz	3840 MHz	3969.99 MHz		
			17.42	17.45	17.43	17.22	17.83	17.35	0.0	
15 MHz	1	1	630500	633332	636168	647168	656000	664832	MPR	
			3457.5 MHz	3499.98MHz	3542.52 MHz	3709.52 MHz	3840 MHz	3972.48 MHz		
			17.40	17.43	17.41	17.25	17.82	17.40	0.0	
10 MHz	1	1	630334	633332	636332	647000	656000	665000	MPR	
			3455.01 MHz	3499.98 MHz	3544.98 MHz	3705 MHz	3840 MHz	3975 MHz		
			17.30	17.32	17.30	17.01	17.66	17.11	0.0	

NR Band n77(PC2, SRS2)

BW (MHz)	RB Allocation	RB offset	Maximum Average Power (dBm) SRS2							
			Measured Pwr (dBm)						MPR	Tune-up Limit
100 MHz	1	1	[redacted]	633332	[redacted]	650000	656000	662000		
				3499.98MHz		3750 MHz	3840 MHz	3930 MHz		
				22.27		21.70	22.62	21.78	0.0	
90 MHz	1	1	633000	633332	633666	649666	656000	662332	MPR	
			3495MHz	3499.98MHz	3504.99MHz	3744.99MHz	3840 MHz	3934.98MHz		
			22.04	21.98	22.00	21.18	22.32	21.80	0.0	
80 MHz	1	1	632668	633332	634000	649334	656000	662666	MPR	
			3490.02 MHz	3499.98MHz	3510 MHz	3740.01 MHz	3840 MHz	3939.99 MHz		
			22.15	22.06	22.06	21.36	22.36	21.72	0.0	
70 MHz	1	1	632334	633332	634332	649000	656000	663000	MPR	
			3485.01 MHz	3499.98MHz	3514.98 MHz	3735MHz	3840 MHz	3945MHz		
			21.97	22.04	22.09	21.47	22.43	21.80	0.0	
60 MHz	1	1	632000	633332	634666	648668	656000	663332	MPR	
			3480 MHz	3499.98MHz	3519.99 MHz	3730.02 MHz	3840 MHz	3949.98 MHz		
			21.68	21.78	21.95	21.56	22.43	22.08	0.0	
50 MHz	1	1	631668	633332	635000	648334	656000	663666	MPR	
			3475.02 MHz	3499.98MHz	3525 MHz	3725.01 MHz	3840 MHz	3954.99 MHz		
			21.73	21.81	22.00	21.25	22.40	21.67	0.0	23.0
40 MHz	1	1	631334	633332	635332	648000	656000	664000	MPR	
			3470.01 MHz	3499.98MHz	3529.98 MHz	3720.02 MHz	3840 MHz	3960 MHz		
			22.01	22.15	22.21	21.57	22.65	21.96	0.0	
30 MHz	1	1	631000	633332	635668	647668	656000	664332	MPR	
			3465 MHz	3499.98MHz	3535.02 MHz	3715.02 MHz	3840 MHz	3964.98 MHz		
			21.96	22.18	22.21	21.56	22.77	22.09	0.0	
20 MHz	1	1	630668	633332	636000	647334	656000	664666	MPR	
			3460.02 MHz	3499.98MHz	3540 MHz	3710.01 MHz	3840 MHz	3969.99 MHz		
			21.89	22.11	22.26	21.37	22.67	21.96	0.0	
15 MHz	1	1	630500	633332	636168	647168	656000	664832	MPR	
			3457.5 MHz	3499.98MHz	3542.52 MHz	3709.52 MHz	3840 MHz	3972.48 MHz		
			21.88	22.10	22.27	21.81	22.64	21.89	0.0	
10 MHz	1	1	630334	633332	636332	647000	656000	665000	MPR	
			3455.01 MHz	3499.98 MHz	3544.98 MHz	3705 MHz	3840 MHz	3975 MHz		
			21.84	22.02	22.19	21.31	22.42	21.77	0.0	

NR Band n77(PC2, SRS3)

BW (MHz)	RB Allocation	RB offset	Maximum Average Power (dBm) SRS3							
			Measured Pwr (dBm)						MPR	
100 MHz	1	1	[redacted]	633332	[redacted]	650000	656000	662000		
				3499.98MHz		3750 MHz	3840 MHz	3930 MHz		
				16.98		15.82	16.62	16.20	0.0	
90 MHz	1	1	633000	633332	633666	649666	656000	662332	MPR	
			3495MHz	3499.98MHz	3504.99MHz	3744.99MHz	3840 MHz	3934.98MHz		
			17.22	17.23	17.25	17.08	17.17	16.09	0.0	
80 MHz	1	1	632668	633332	634000	649334	656000	662666	MPR	
			3490.02 MHz	3499.98MHz	3510 MHz	3740.01 MHz	3840 MHz	3939.99 MHz		
			17.18	17.25	17.29	16.68	17.12	16.06	0.0	
70 MHz	1	1	632334	633332	634332	649000	656000	663000	MPR	
			3485.01 MHz	3499.98MHz	3514.98 MHz	3735MHz	3840 MHz	3945MHz		
			17.14	17.24	17.30	16.72	17.08	15.99	0.0	
60 MHz	1	1	632000	633332	634666	648668	656000	663332	MPR	
			3480 MHz	3499.98MHz	3519.99 MHz	3730.02 MHz	3840 MHz	3949.98 MHz		
			17.15	17.33	17.57	16.72	17.06	15.92	0.0	
50 MHz	1	1	631668	633332	635000	648334	656000	663666	MPR	
			3475.02 MHz	3499.98MHz	3525 MHz	3725.01 MHz	3840 MHz	3954.99 MHz		
			17.05	17.32	17.52	16.93	17.27	16.13	0.0	18.0
40 MHz	1	1	631334	633332	635332	648000	656000	664000	MPR	
			3470.01 MHz	3499.98MHz	3529.98 MHz	3720.02 MHz	3840 MHz	3960 MHz		
			17.28	17.60	17.91	16.86	17.26	16.07	0.0	
30 MHz	1	1	631000	633332	635668	647668	656000	664332	MPR	
			3465 MHz	3499.98MHz	3535.02 MHz	3715.02 MHz	3840 MHz	3964.98 MHz		
			17.18	17.57	17.90	17.22	17.54	16.36	0.0	
20 MHz	1	1	630668	633332	636000	647334	656000	664666	MPR	
			3460.02 MHz	3499.98MHz	3540 MHz	3710.01 MHz	3840 MHz	3969.99 MHz		
			17.00	17.43	17.87	17.17	17.50	16.17	0.0	
15 MHz	1	1	630500	633332	636168	647168	656000	664832	MPR	
			3457.5 MHz	3499.98MHz	3542.52 MHz	3709.52 MHz	3840 MHz	3972.48 MHz		
			16.99	17.39	17.87	17.19	17.52	16.29	0.0	
10 MHz	1	1	630334	633332	636332	647000	656000	665000	MPR	
			3455.01 MHz	3499.98 MHz	3544.98 MHz	3705 MHz	3840 MHz	3975 MHz		
			16.89	17.29	17.65	17.10	17.45	16.35	0.0	

8.2. PEAK TO AVERAGE RATIO

Test Procedure

Per KDB 971168 D01 Power Meas License Digital Systems v03r01;

The transmitter output was connected to either CMW500 Test Set or E7515B Test set and configured to operate at maximum power.The PAR were measured on the Spectrum Analyzer.

Test Spec

In addition, when the transmitter power is measured in terms of average value, the peak-to-average ratio of the power shall not exceed 13 dB.

NOTE

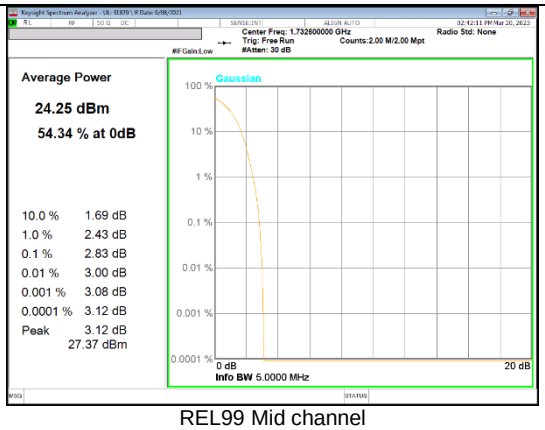
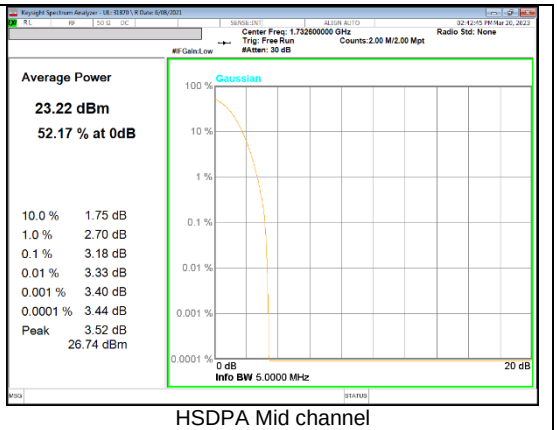
5G NR: All Waveforms (CP-OFDM vs DFT-s_OFDM) and modulations (π/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM) were investigated to determine the worst case configuration. All Modes of operation were investigated and the worst case configuration results are reported in this section.

RESULTS

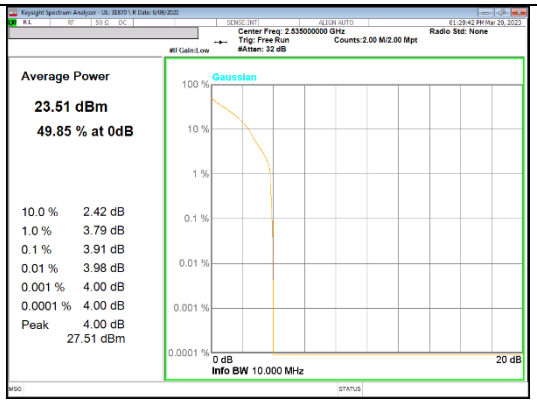
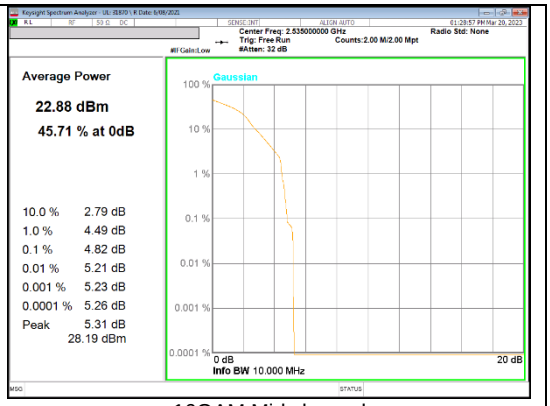
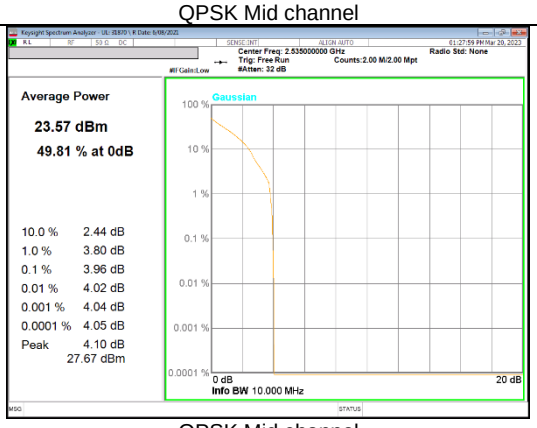
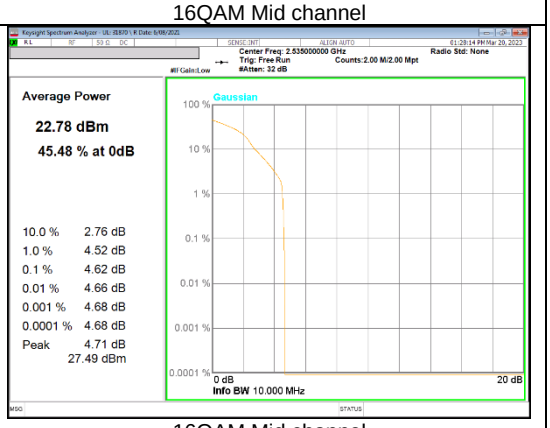
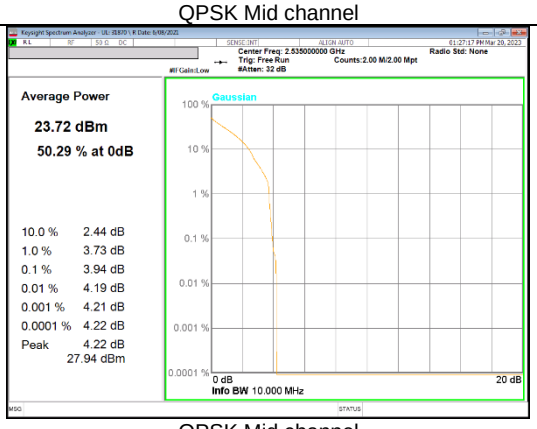
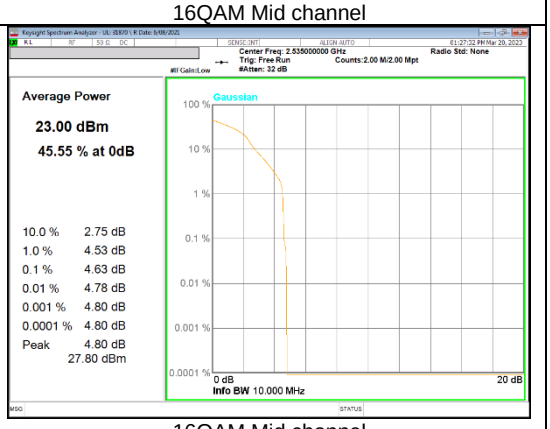
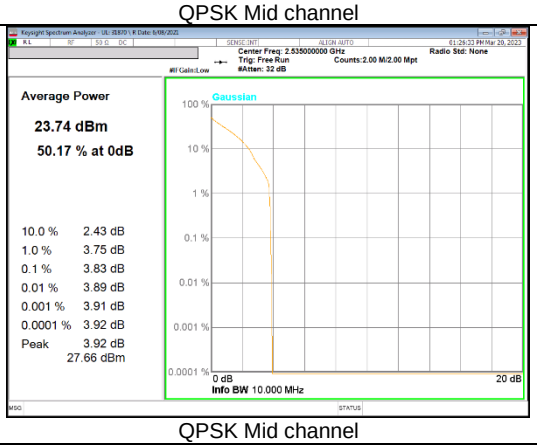
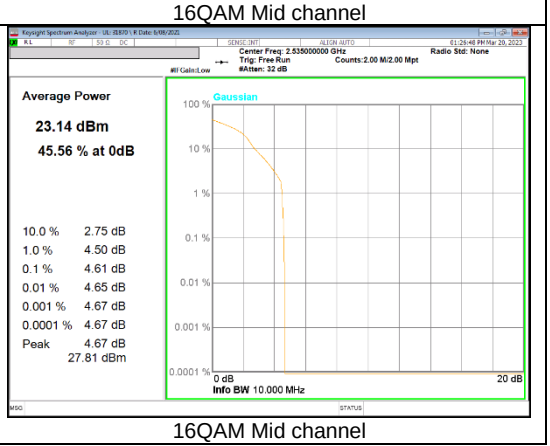
See the following pages.

8.2.1. CONDUCTED PEAK TO AVERAGE RESULT

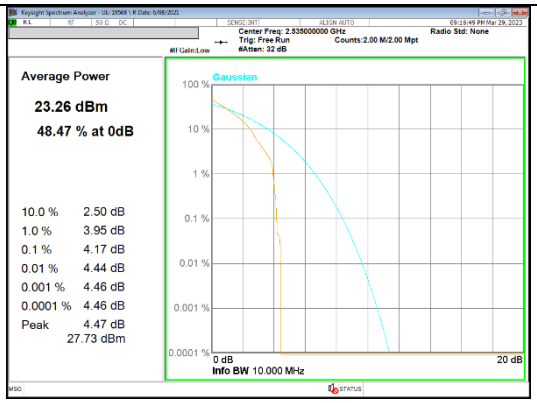
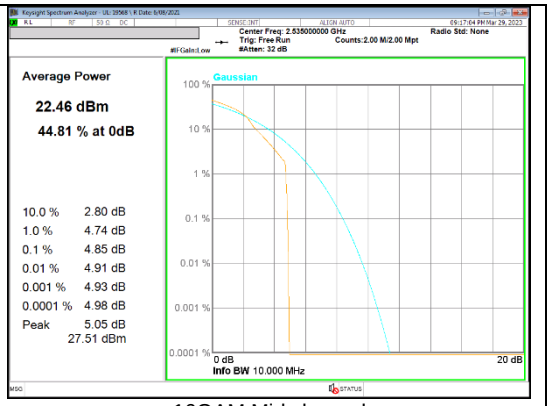
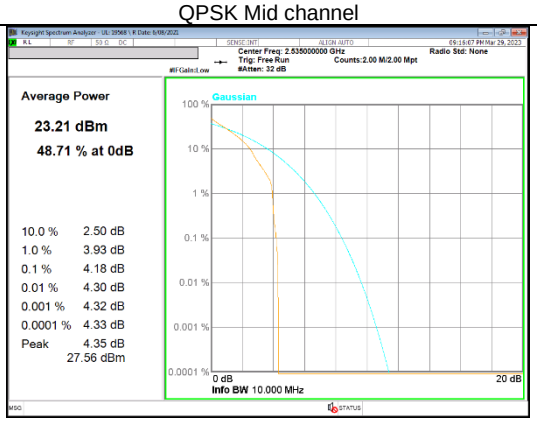
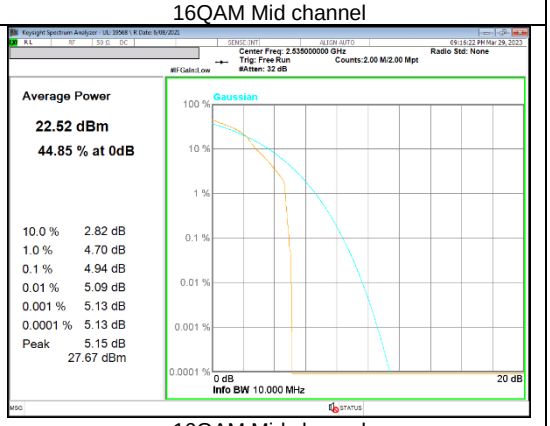
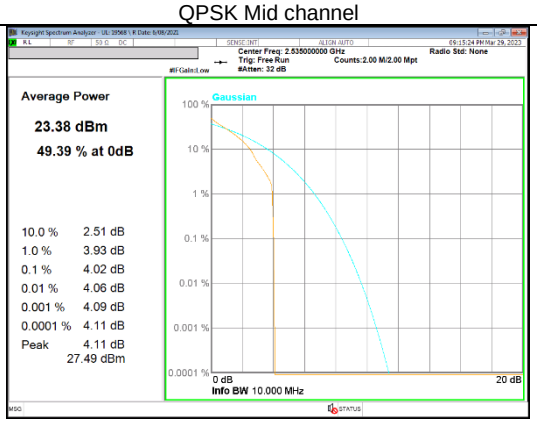
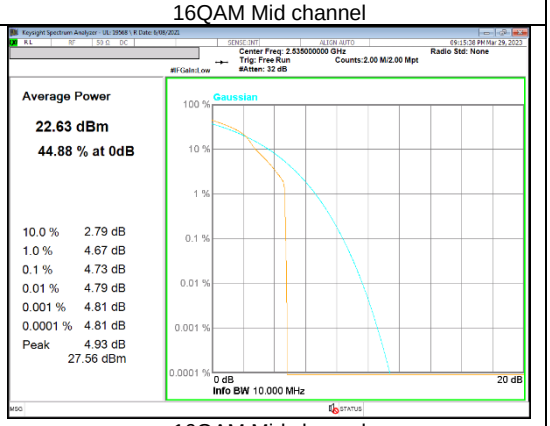
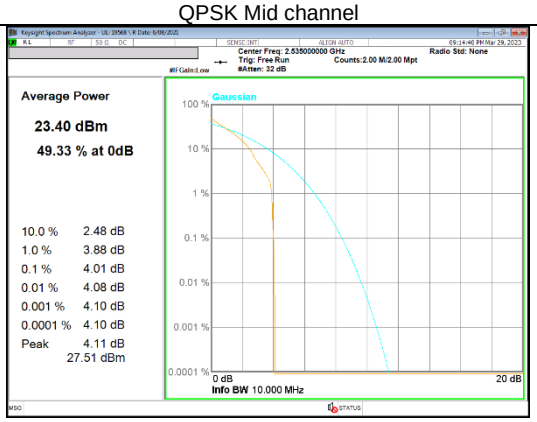
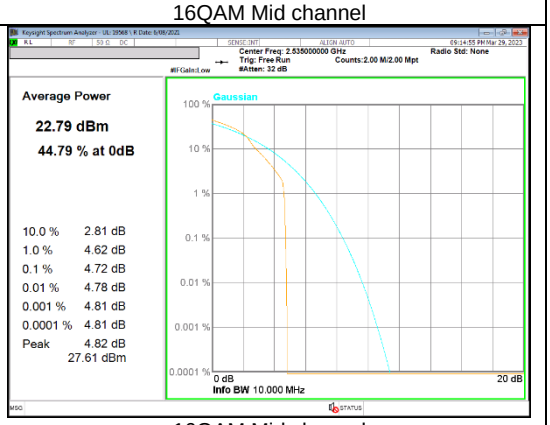
WCDMA

Band 4		
	REL99 Mid channel	HSDPA Mid channel

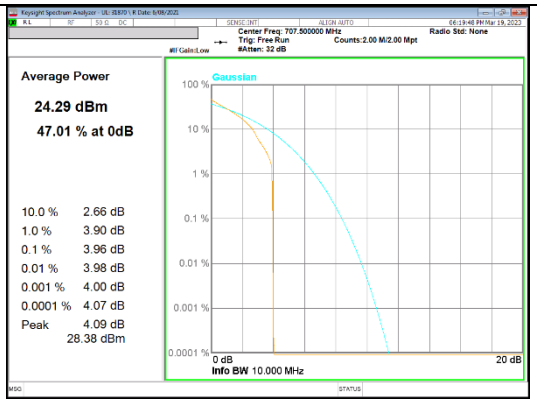
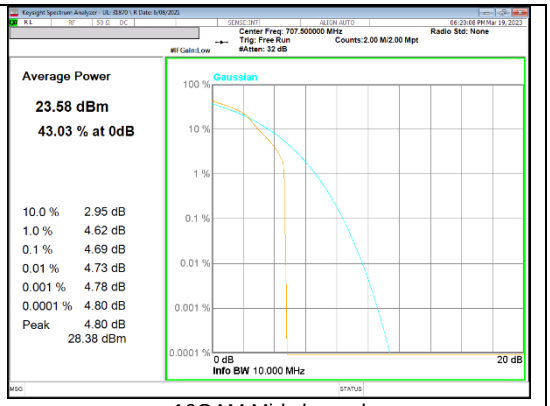
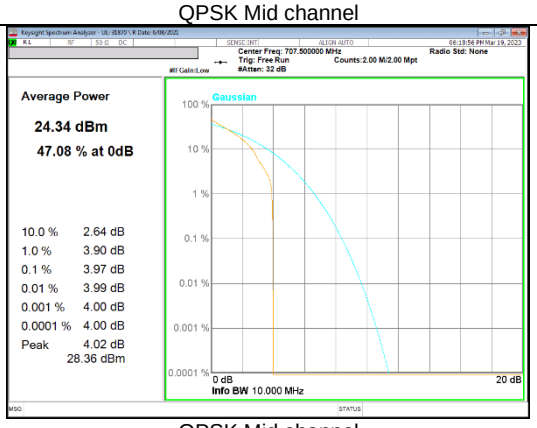
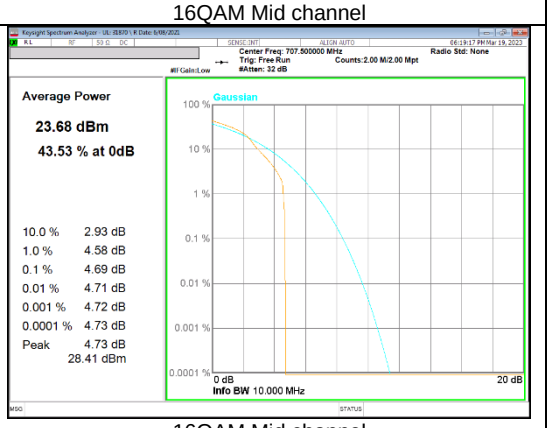
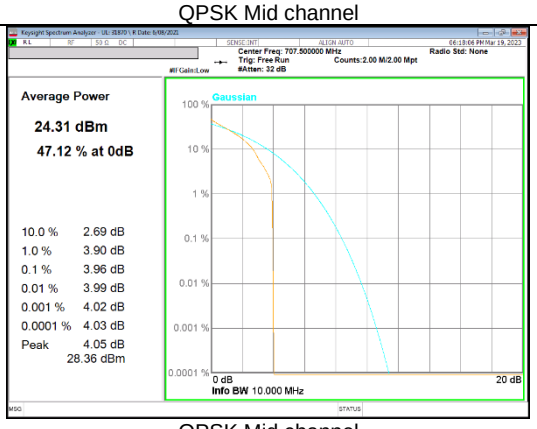
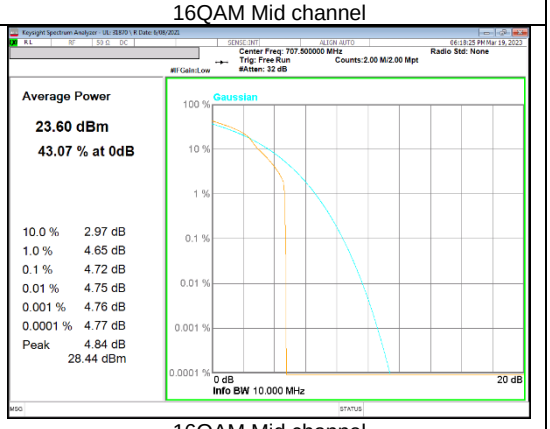
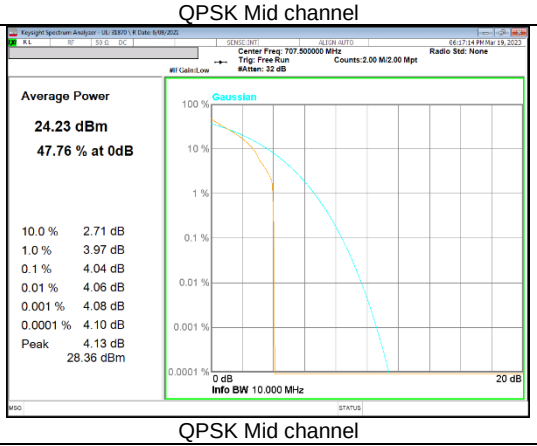
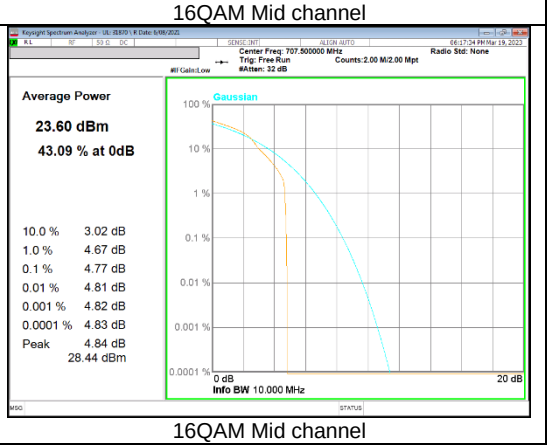
LTE Band 7 (ANT B)

20 MHz	 QPSK Mid channel	 16QAM Mid channel
15 MHz	 QPSK Mid channel	 16QAM Mid channel
10 MHz	 QPSK Mid channel	 16QAM Mid channel
5 MHz	 QPSK Mid channel	 16QAM Mid channel

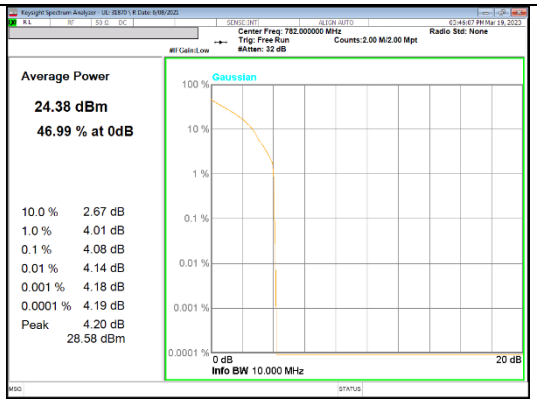
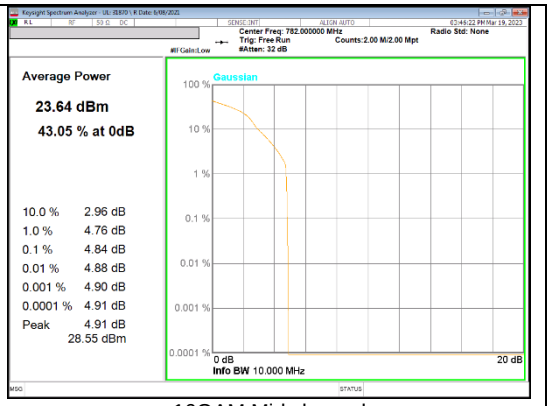
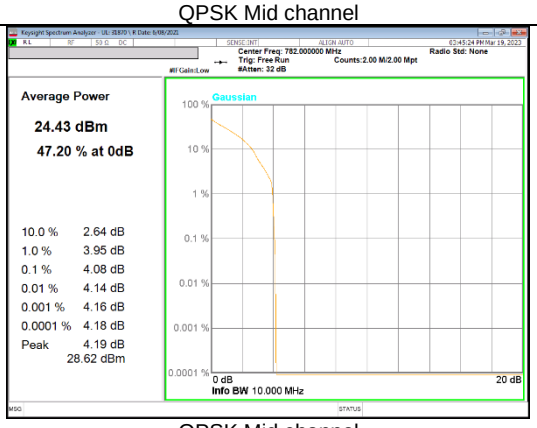
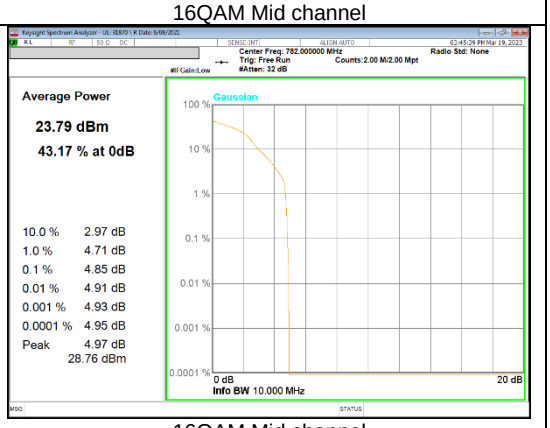
LTE Band 7 (ANT F)

20 MHz	 QPSK Mid channel	 16QAM Mid channel
15 MHz	 QPSK Mid channel	 16QAM Mid channel
10 MHz	 QPSK Mid channel	 16QAM Mid channel
5 MHz	 QPSK Mid channel	 16QAM Mid channel

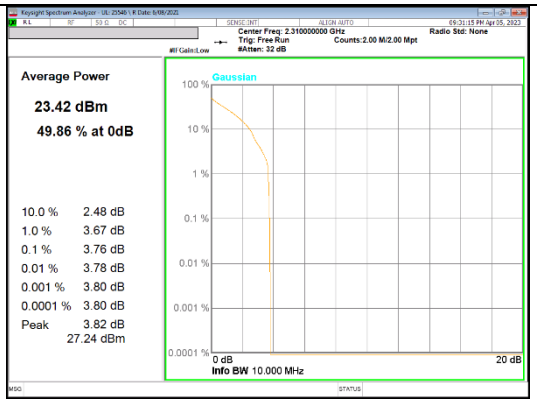
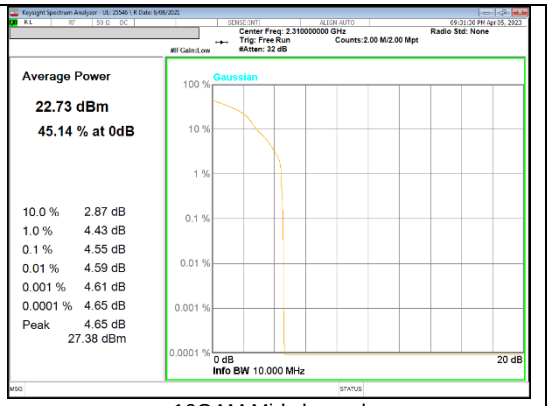
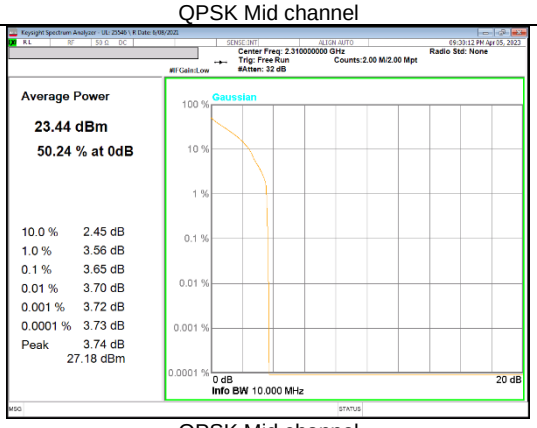
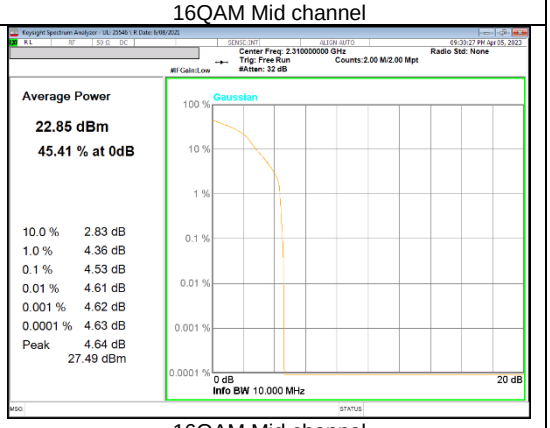
LTE Band 12

10 MHz	 QPSK Mid channel	 16QAM Mid channel
5 MHz	 QPSK Mid channel	 16QAM Mid channel
3 MHz	 QPSK Mid channel	 16QAM Mid channel
1.4 MHz	 QPSK Mid channel	 16QAM Mid channel

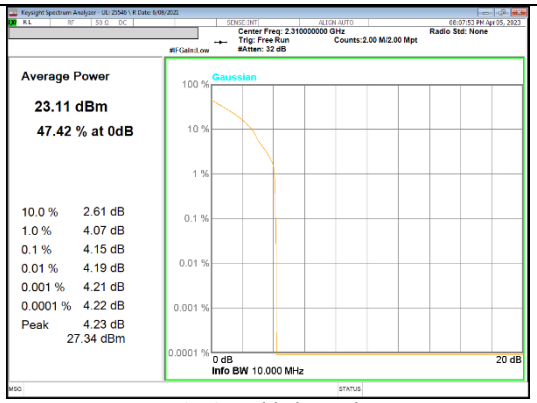
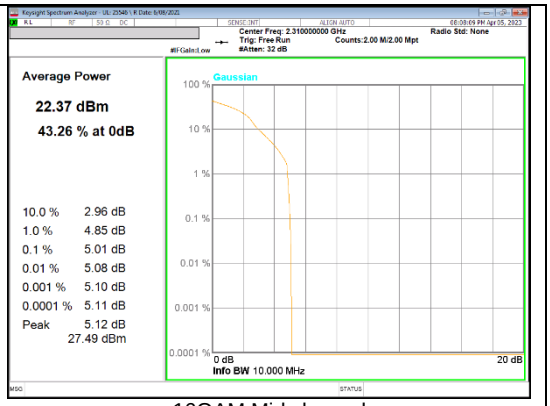
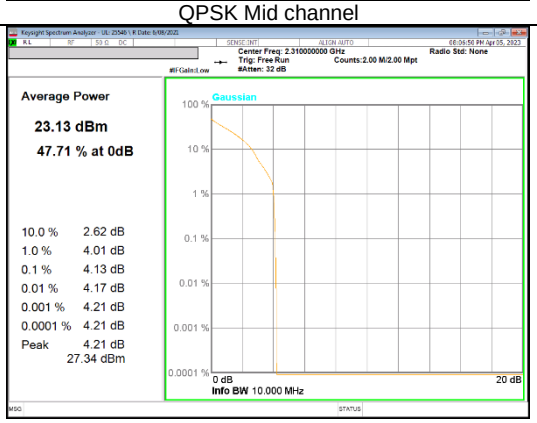
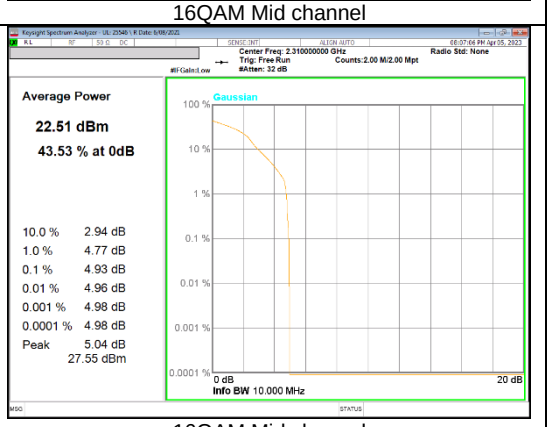
LTE Band 13

10 MHz	 QPSK Mid channel	 16QAM Mid channel
5 MHz	 QPSK Mid channel	 16QAM Mid channel

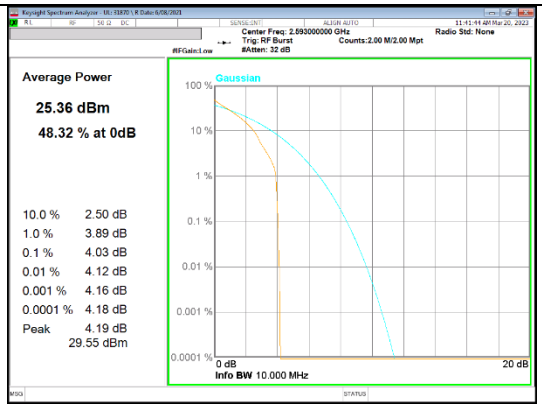
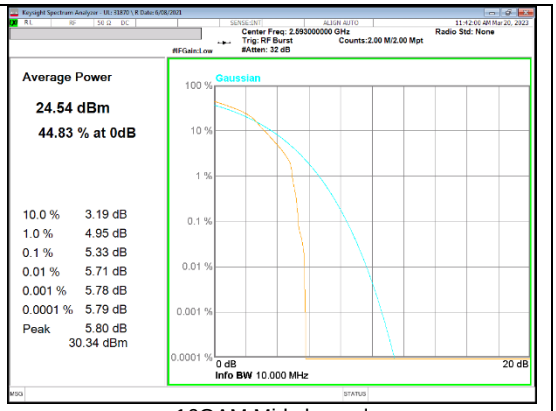
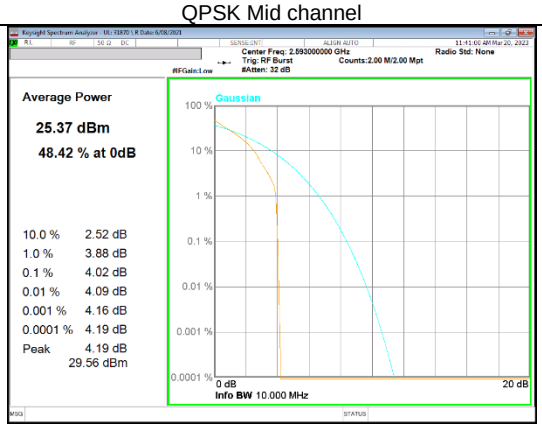
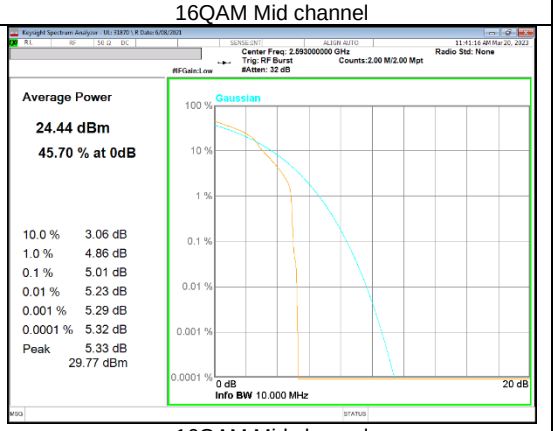
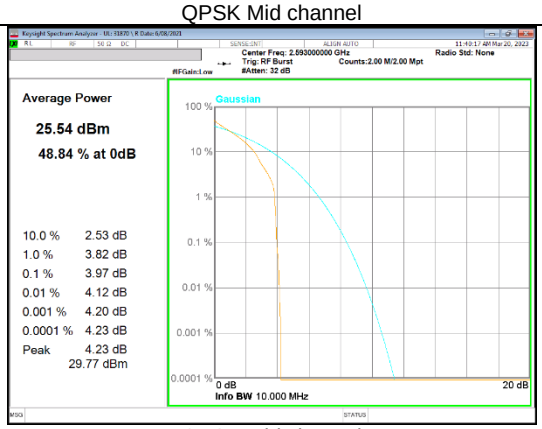
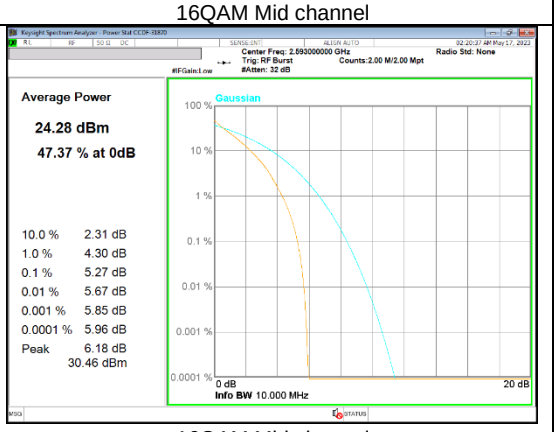
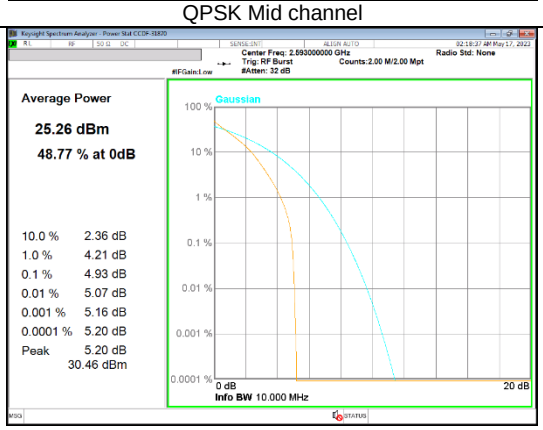
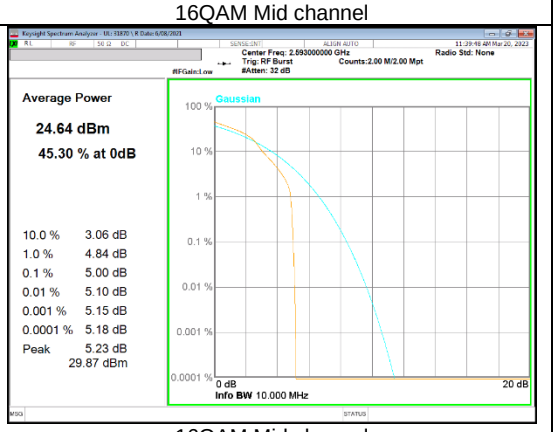
LTE Band 30 (ANT B)

10 MHz	 QPSK Mid channel	 16QAM Mid channel
5 MHz	 QPSK Mid channel	 16QAM Mid channel

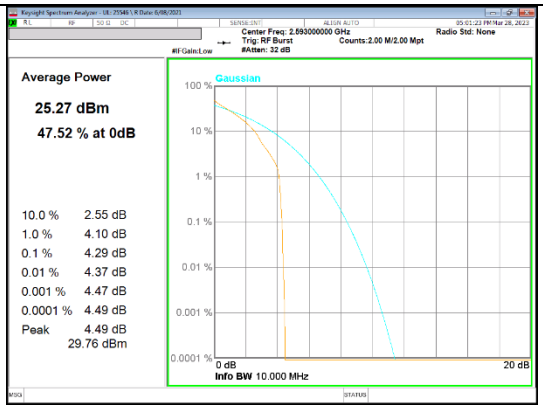
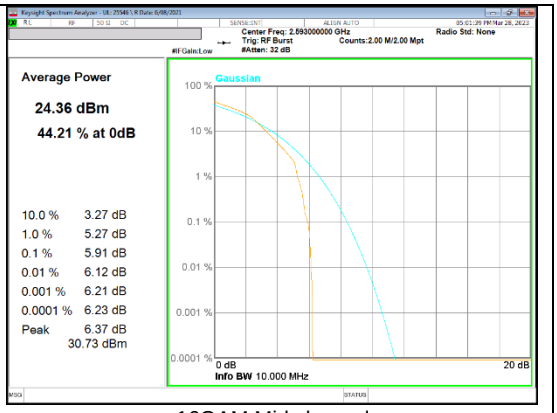
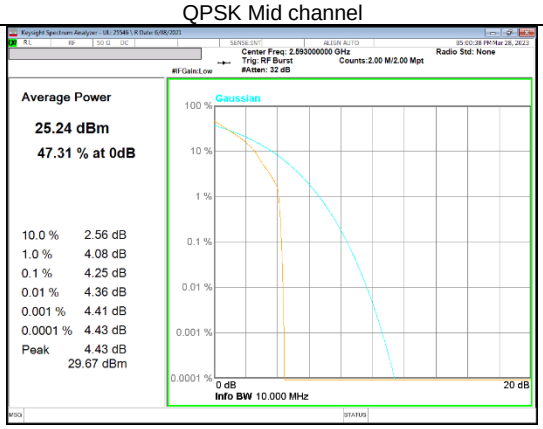
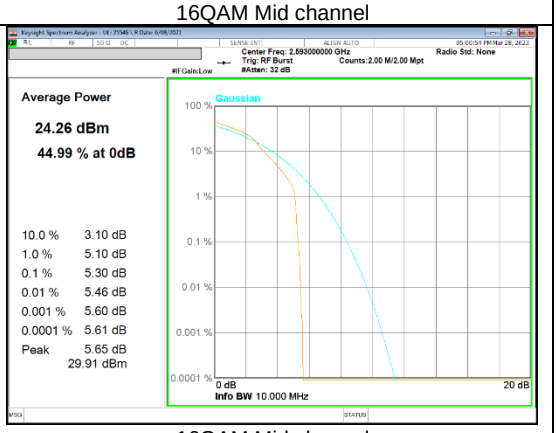
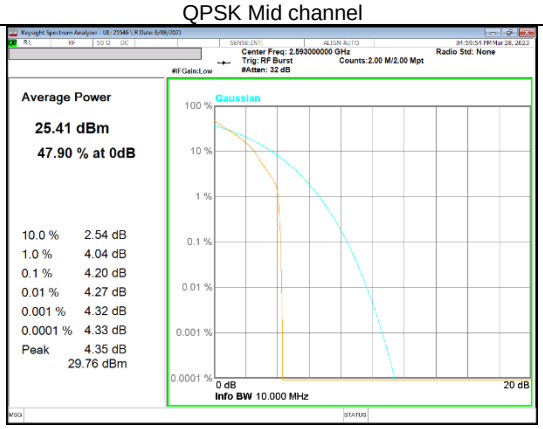
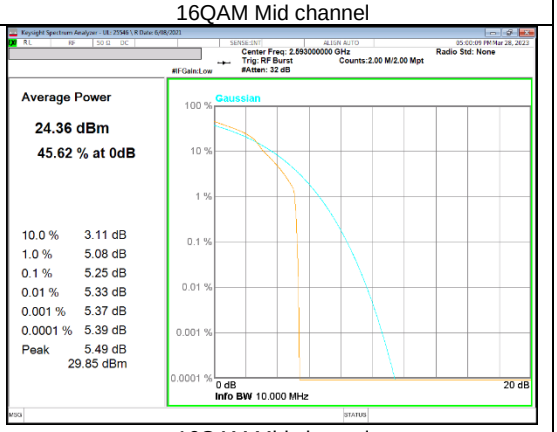
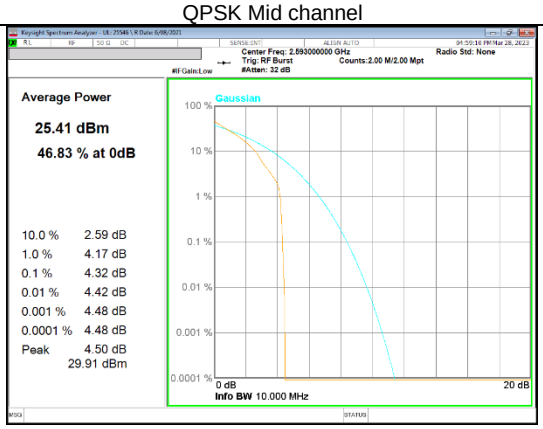
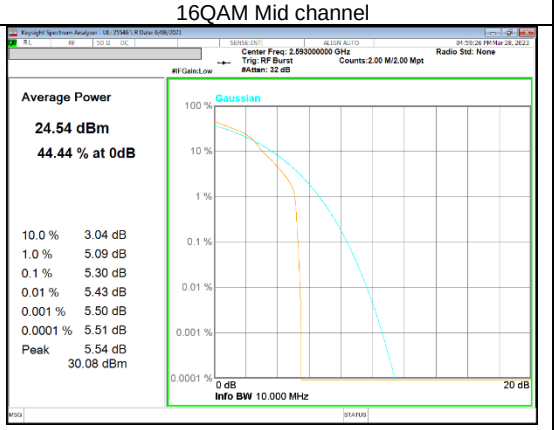
LTE Band 30 (ANT F)

10 MHz	 QPSK Mid channel	 16QAM Mid channel
5 MHz	 QPSK Mid channel	 16QAM Mid channel

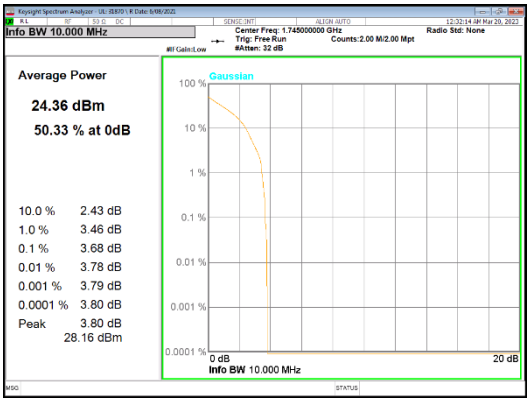
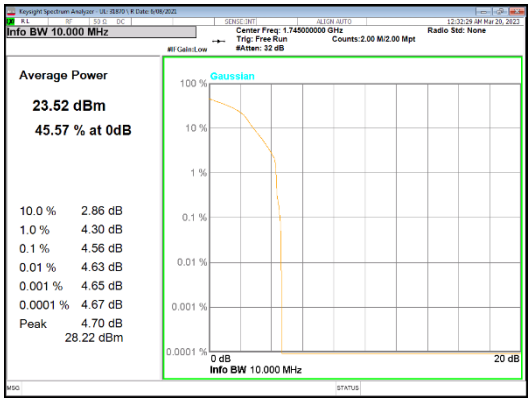
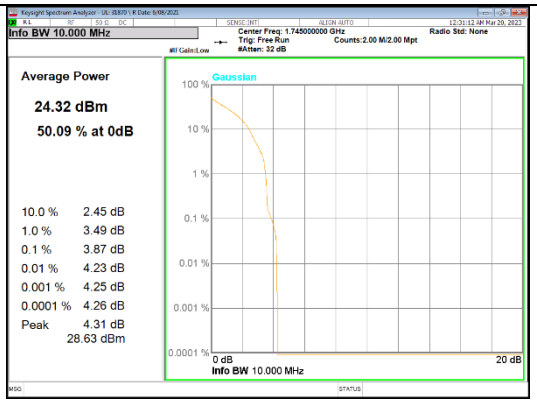
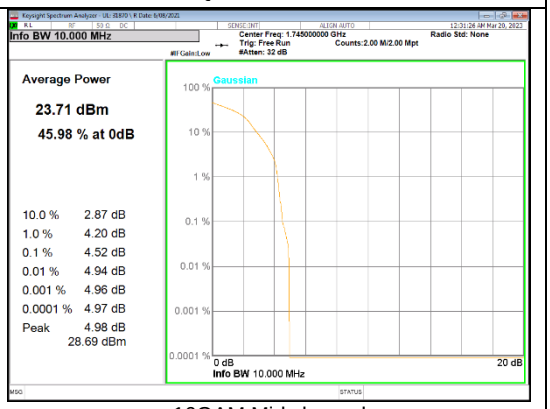
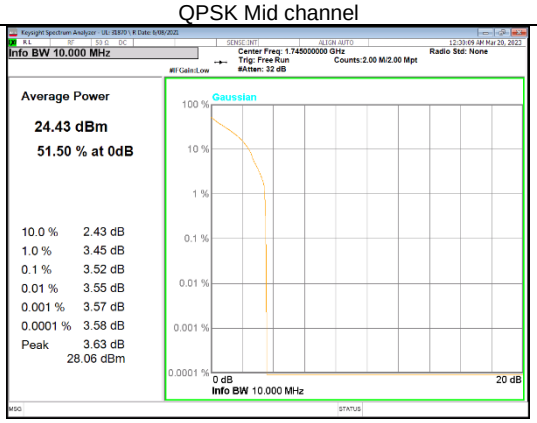
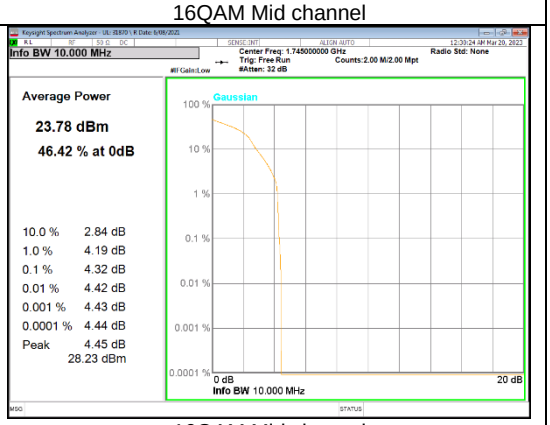
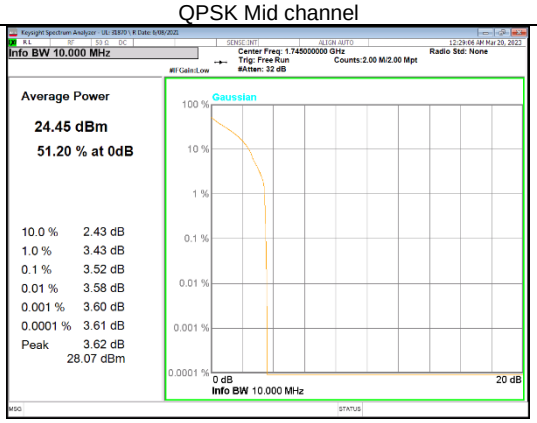
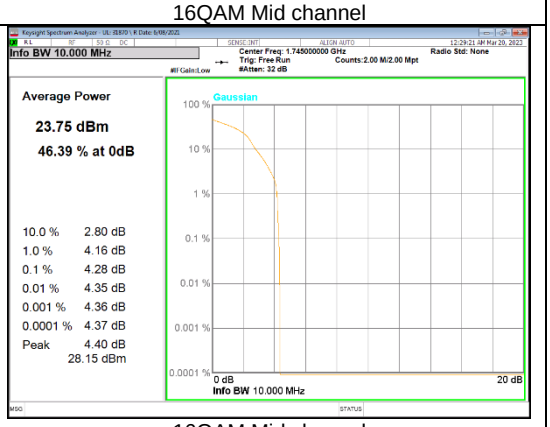
LTE Band 41(PC2) (ANT B)

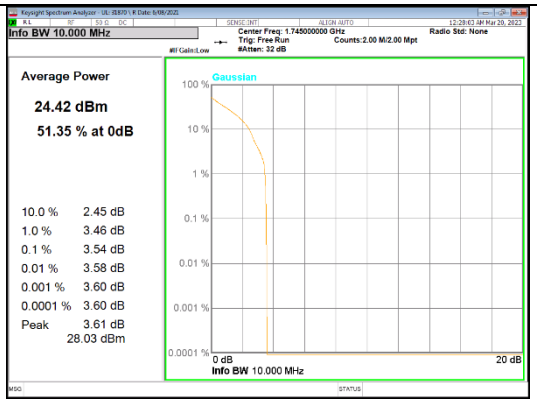
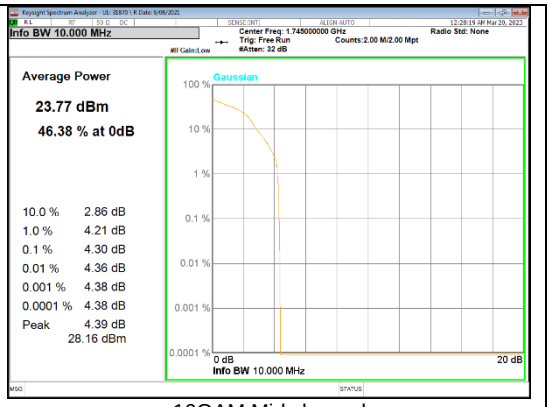
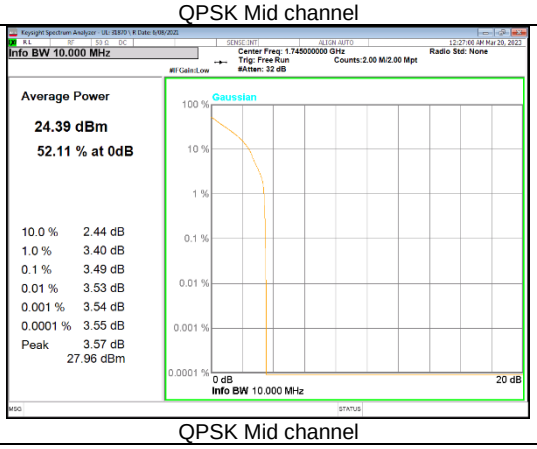
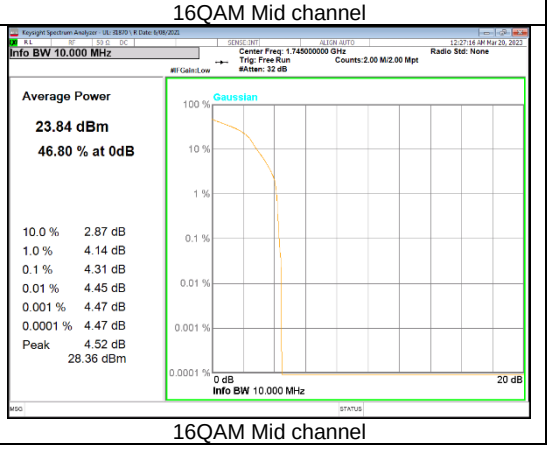
20 MHz	 QPSK Mid channel	 16QAM Mid channel
15 MHz	 QPSK Mid channel	 16QAM Mid channel
10 MHz	 QPSK Mid channel	 16QAM Mid channel
5 MHz	 QPSK Mid channel	 16QAM Mid channel

LTE Band 41(PC2) (ANT F)

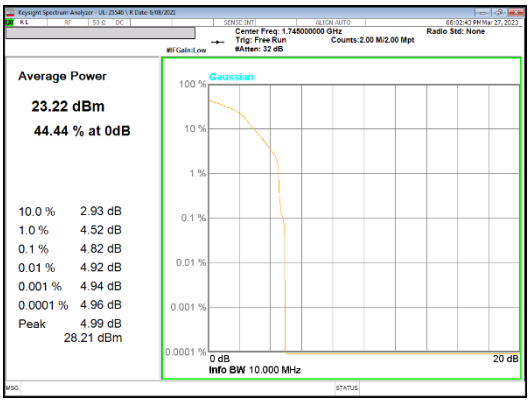
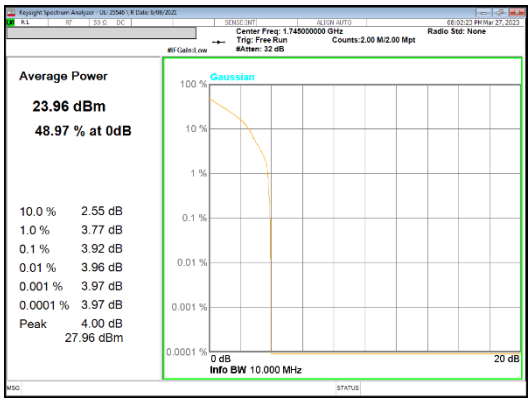
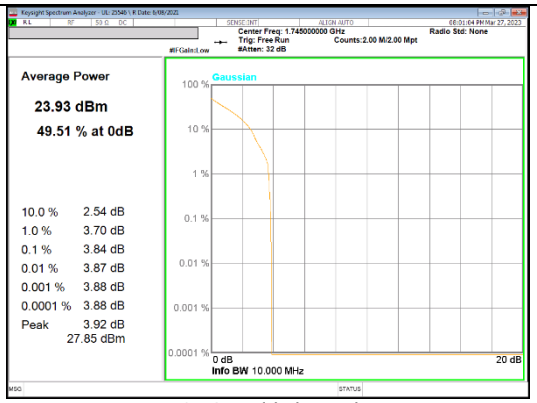
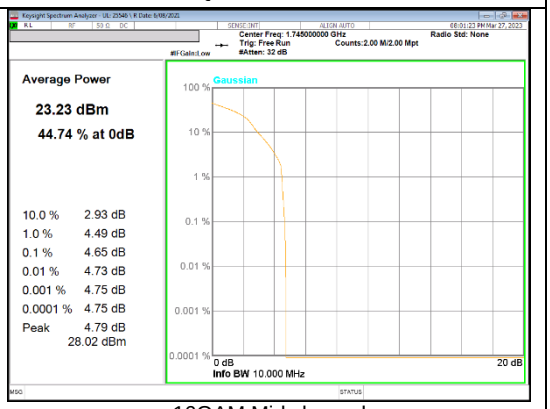
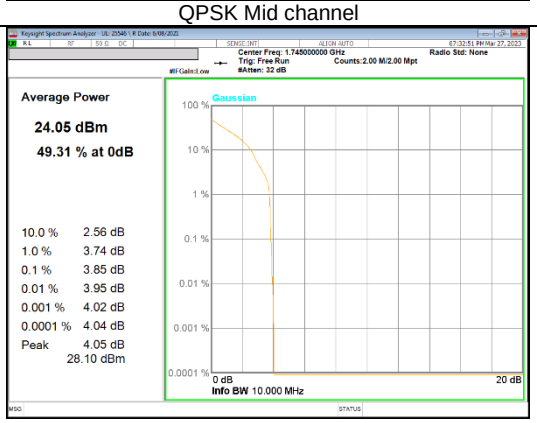
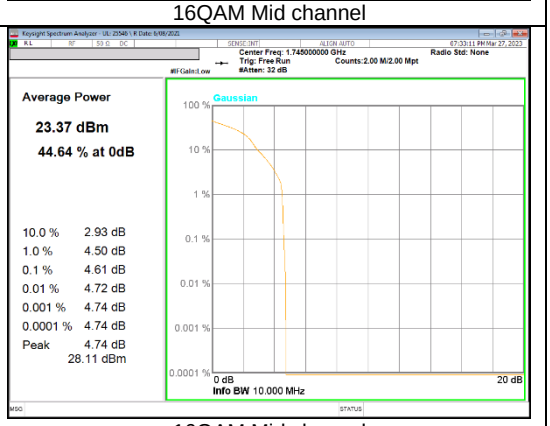
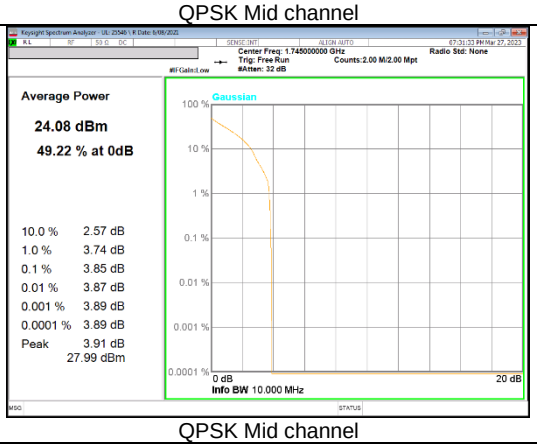
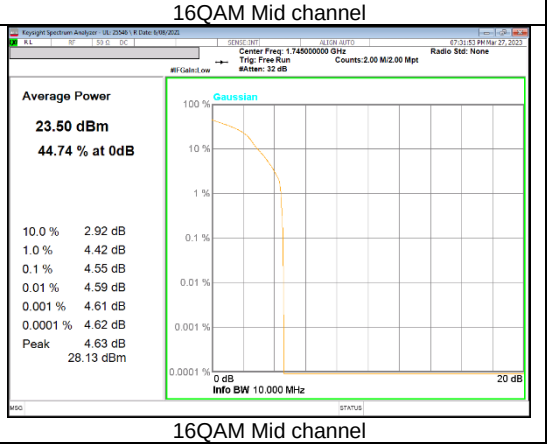
20 MHz	 QPSK Mid channel	 16QAM Mid channel
15 MHz	 QPSK Mid channel	 16QAM Mid channel
10 MHz	 QPSK Mid channel	 16QAM Mid channel
5 MHz	 QPSK Mid channel	 16QAM Mid channel

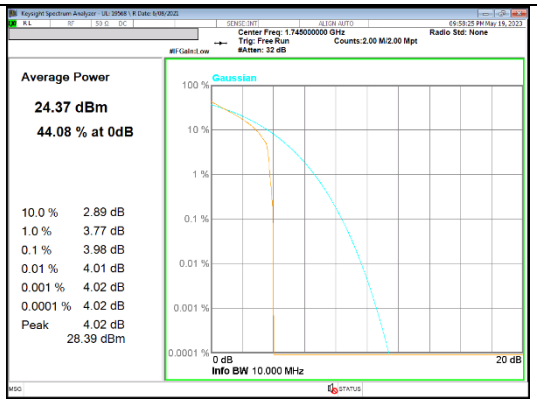
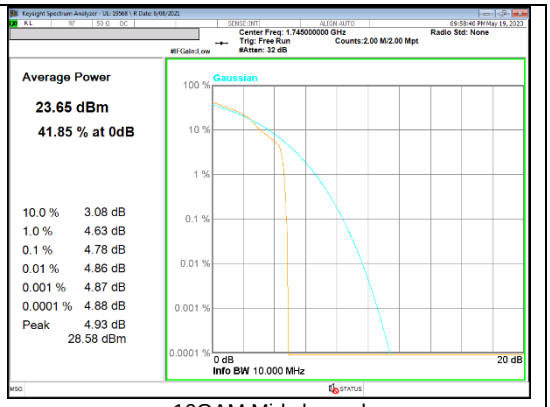
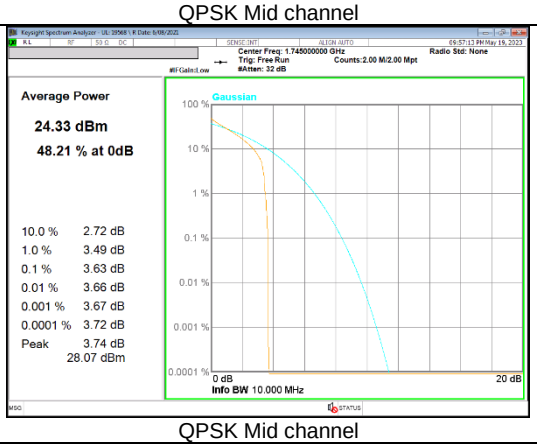
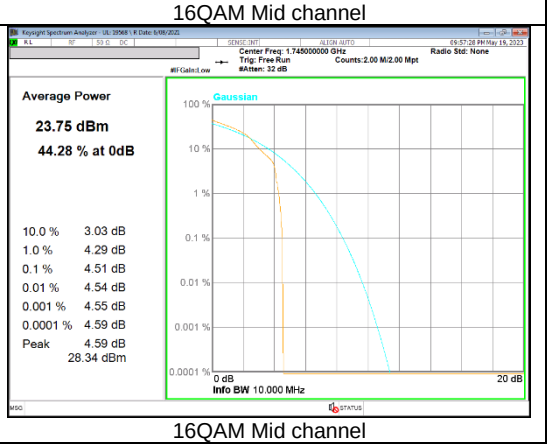
LTE Band 66 (ANT B)

20 MHz	 QPSK Mid channel	 16QAM Mid channel
15 MHz	 QPSK Mid channel	 16QAM Mid channel
10 MHz	 QPSK Mid channel	 16QAM Mid channel
5 MHz	 QPSK Mid channel	 16QAM Mid channel

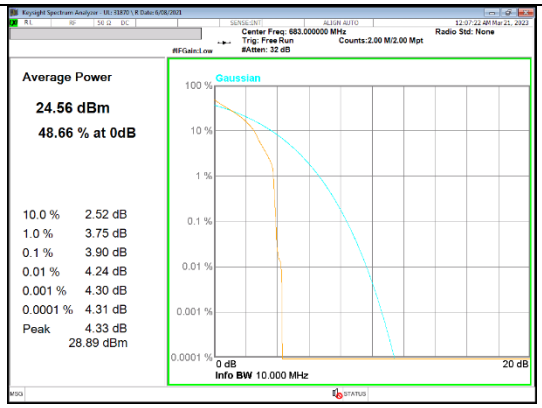
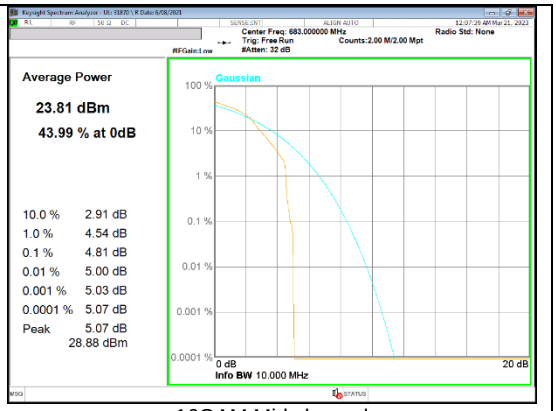
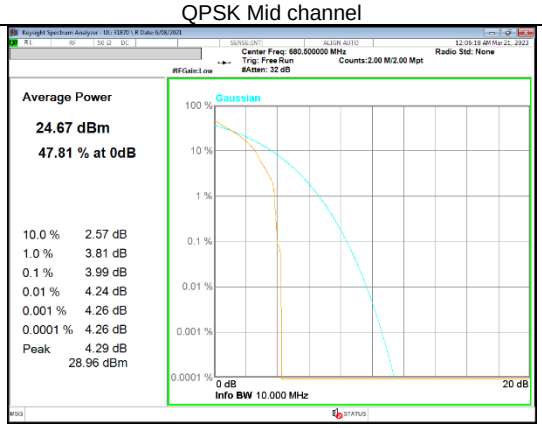
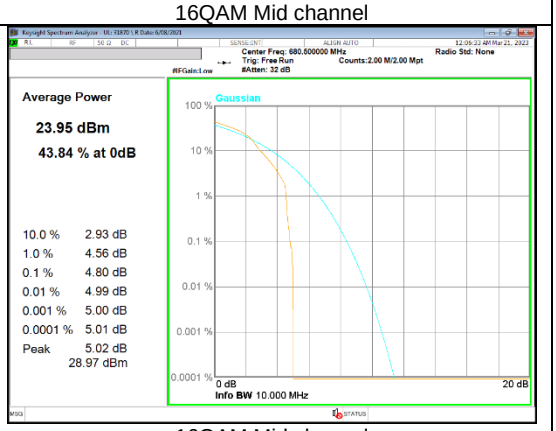
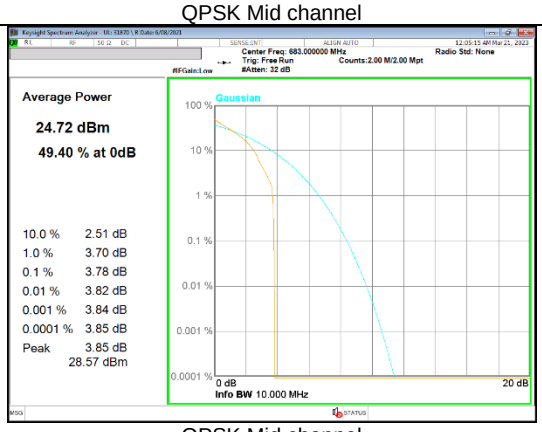
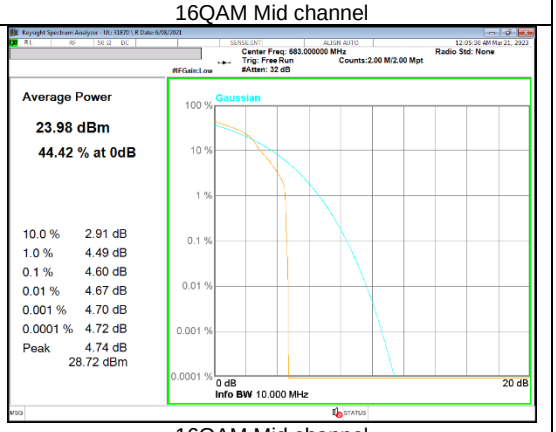
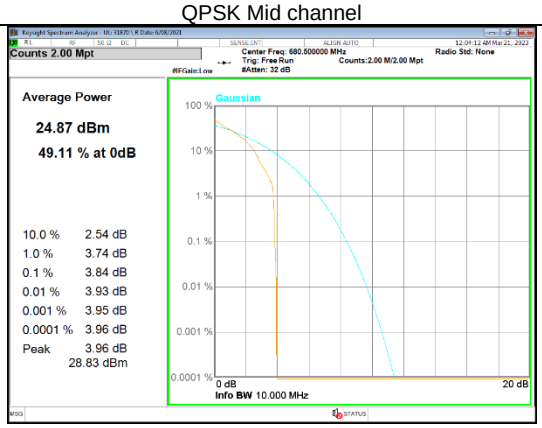
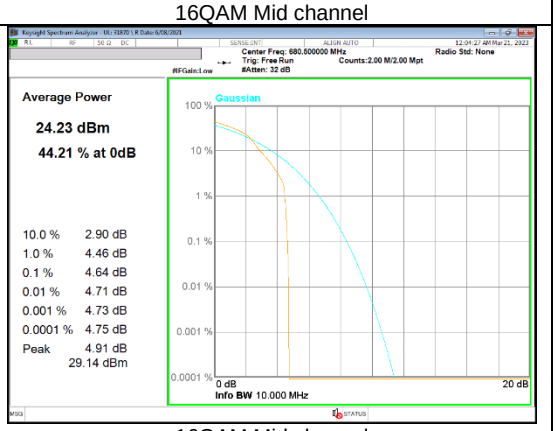
3 MHz	 QPSK Mid channel	 16QAM Mid channel
1.4 MHz	 QPSK Mid channel	 16QAM Mid channel

LTE Band 66 (ANT F)

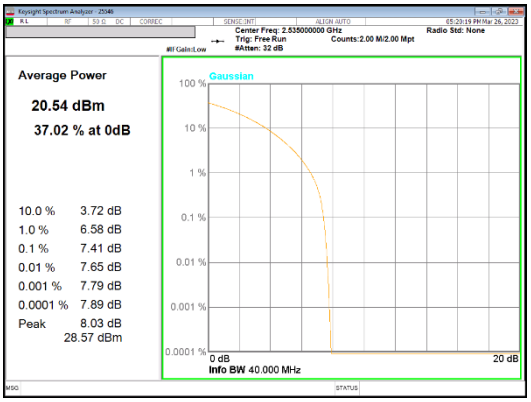
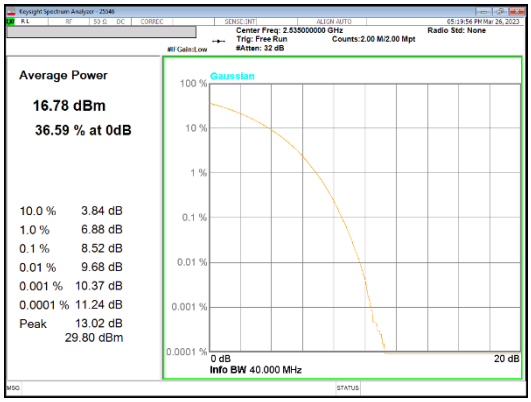
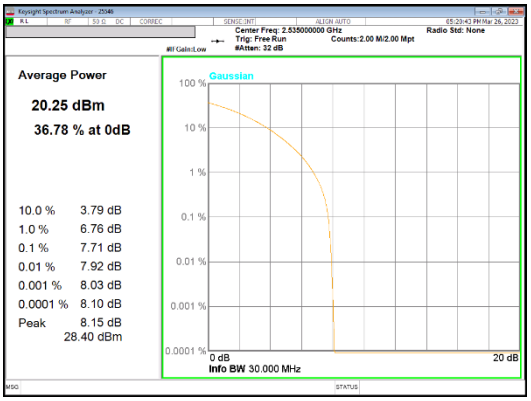
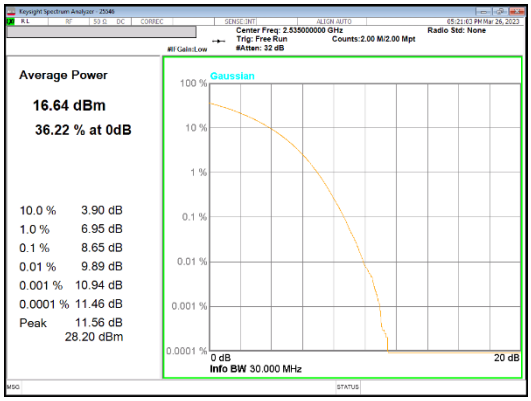
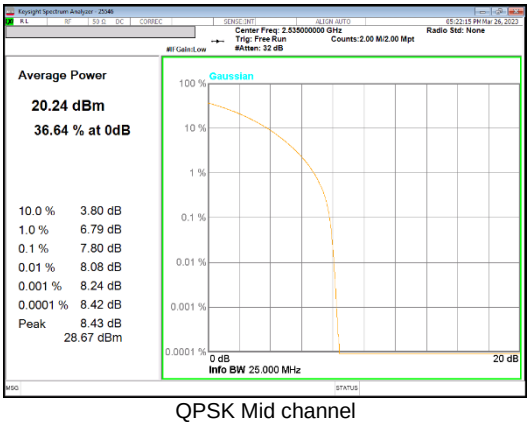
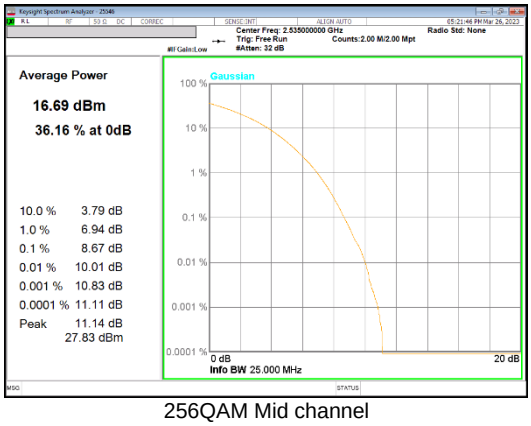
20 MHz	 QPSK Mid channel	 16QAM Mid channel
15 MHz	 QPSK Mid channel	 16QAM Mid channel
10 MHz	 QPSK Mid channel	 16QAM Mid channel
5 MHz	 QPSK Mid channel	 16QAM Mid channel

3 MHz	 QPSK Mid channel	 16QAM Mid channel
1.4 MHz	 QPSK Mid channel	 16QAM Mid channel

LTE Band 71

20 MHz	 QPSK Mid channel	 16QAM Mid channel
15 MHz	 QPSK Mid channel	 16QAM Mid channel
10 MHz	 QPSK Mid channel	 16QAM Mid channel
5 MHz	 QPSK Mid channel	 16QAM Mid channel

NR Band n7 CP-OFDM (ANT B)

40 MHz	 QPSK Mid channel	 256QAM Mid channel
30 MHz	 QPSK Mid channel	 256QAM Mid channel
25 MHz	 QPSK Mid channel	 256QAM Mid channel