CERTIFICATION TEST REPORT

Report Number. : 4791196575-E4V4

Applicant	:	SAMSUNG ELECTRONICS CO., LTD. 129 SAMSUNG-RO, YEONGTONG-GU, SUWON-SI, GYEONGGI-DO, 16677, KOREA
Model	:	SM-F956U, SM-F956U1
FCC ID	:	A3LSMF956U
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:
2024-05-08

Prepared by:
UL KOREA LTD.
26th floor, 152, Teheran-ro, Gangnam-gu Seoul, 06236, Korea

Suwon Test Site: UL KOREA LTD. Suwon Laboratory
218 Maeyeong-ro, Yeongtong-gu,
Suwon-si, Gyeonggi-do, 16675, Korea
TEL: (031) 337-9902
FAX: (031) 213-5433

IAS ACCREDITED
Testing Laboratory
TL-637

Revision History

Rev.	Issue Date	Revisions	Revised By
V1	2024-04-26	Initial issue	Yujin Kim
V2	2024-05-05	Updated to address TCB's question	Yujin Kim
V3	2024-05-07	Updated to address TCB's question	Yujin Kim
V4	2024-05-08	Updated to address TCB's question	Yujin Kim

UL KOREA LTD. Suwon Laboratory FORM ID: FCC_27(05)
218 Maeyeong-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16675, Korea TEL: (031) 337-9902 FAX: (031) 213-5433

TABLE OF CONTENTS

UL KOREA LTD. Suwon Laboratory FORM ID: FCC_27(05)
218 Maeyeong-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16675, Korea TEL: (031) 337-9902 FAX: (031) 213-5433

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-F956U, SM-F956U1
SERIAL NUMBER:	R3CX10W5RBA, R3CX10W5RAL, R3CX10W6A5R, R3CX10EN7PY (CONDUCTED); R3CX10W662L, R3CX10W66ZL, R3CX10W668D (RADIATED);
DATE TESTED:	2024-02-16 - 2024-04-30;

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:

Yujin Kim
Suwon Lab Engineer
UL KOREA LTD.

2. TEST METHODOLOGY

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

1. FCC 47 CFR Part 2.
2. FCC 47 CFR Part 27.
3. ANSI TIA-603-E, 2016
4. ANSI C63.26, 2015
5. KDB 971168 D01 Power Meas License Digital Systems v03r01
6. KDB 971168 D02 Misc Rev Approv License Devices v02r02
7. KDB 412172 D01 Determining ERP and EIRP v01r01
8. KDB 648474 D03 Wireless Chargers Battery Cover v01r04

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.

UL KOREA LTD. Suwon Laboratory FORM ID: FCC_27(05)
218 Maeyeong-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16675, Korea TEL: (031) 337-9902 FAX: (031) 213-5433

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 = SG reading with EUT worst orientation (dBm) - cable loss(between the SG and substitution antenna) + Substitution Antenna Factor (dBi)

ERP = SG reading with EUT worst orientation (dBm) – cable loss(between the SG and substitution antenna) + Substitution Antenna Factor (dBd)

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	2.79 dB
Radiated Disturbance, 9 kHz to 30 MHz	1.69 dB
Radiated Disturbance, 30 MHz to 1 GHz	4.07 dB
Radiated Disturbance, 1 GHz to 18 GHz	4.99 dB
Radiated Disturbance, Above 18 GHz	5.96 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 Clause 4.3.3 in IEC Guide 115:2023.

UL KOREA LTD. Suwon Laboratory FORM ID: FCC_27(05)
218 Maeyeong-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16675, Korea TEL: (031) 337-9902 FAX: (031) 213-5433

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-F956U1
SM-F956U	Hardware	Same as SM-F956U
	Software	Different UI

Thus, SM-F956U was set for final test.

5.2. MAXIMUM OUTPUT POWER

The transmitter has a maximum average radiated ERP/EIRP output powers as follows: Radiated samples were tested to a higher power than conducted resulting in radiated ERP/ EIRP greater than conducted measurements.

WCDMA

FCC Part 27						
Band	Frequency Range [MHz]	Modulation	Conducted (ANT B)		Radiated (ANT B)	
			Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
Band 4	1712.40 ~ 1752.60	Rel. 99	**23.63**	**230.67**	**22.79**	**190.11**
		HSDPA	22.67	184.93	21.42	138.68

UL KOREA LTD. Suwon Laboratory FORM ID: FCC_27(05)
218 Maeyeong-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16675, Korea TEL: (031) 337-9902 FAX: (031) 213-5433

LTE Band 7

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	2510.00 ~ 2560.00	20	QPSK	24.45	278.61	24.41	276.06
			16QAM	23.88	244.34	23.56	226.99
			64QAM	22.80	190.55		
			256QAM	19.63	91.83		
	2507.50 ~ 2562.50	15	QPSK	24.46	279.25	24.26	266.69
			16QAM	23.73	236.05	23.32	214.78
			64QAM	22.68	185.35		
			256QAM	19.66	92.47		
	2505.00 ~ 2565.00	10	QPSK	24.58	287.08	24.36	272.90
			16QAM	23.75	237.14	23.49	223.36
			64QAM	22.71	186.64		
			256QAM	19.76	94.62		
	2502.50 ~ 2567.50	5	QPSK	**24.72**	**296.48**	**24.68**	**293.76**
			16QAM	23.91	246.04	23.59	228.56
			64QAM	22.77	189.23		
			256QAM	19.77	94.84		

FCC Part 27							
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted (ANT E)		Radiated (ANT E)	
				Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
Band 7	2510.00 ~ 2560.00	20	QPSK	23.79	239.33	**24.60**	**288.40**
			16QAM	23.24	210.86	23.41	219.28
			64QAM	22.05	160.32		
			256QAM	19.05	80.35		
	2507.50 ~ 2562.50	15	QPSK	23.65	231.74	24.34	271.64
			16QAM	22.96	197.70	23.66	232.27
			64QAM	21.86	153.46		
			256QAM	18.84	76.56		
	2505.00 ~ 2565.00	10	QPSK	23.76	237.68	24.07	255.27
			16QAM	23.09	203.70	23.22	209.89
			64QAM	21.93	155.96		
			256QAM	18.94	78.34		
	2502.50 ~ 2567.50	5	QPSK	**23.89**	**244.91**	24.02	252.35
			16QAM	23.25	211.35	23.19	208.45
			64QAM	22.00	158.49		
			256QAM	19.01	79.62		

LTE Band 12

FCC Part 27									
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted (ANT A)		Radiated (ANT A+B)		Radiated (ANT A)	
				Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
Band 12	704.00 ~ 711.00	10	QPSK	24.33	271.02	**19.07**	**80.72**	14.89	30.83
			16QAM	23.57	227.51	17.99	62.95	13.91	24.60
			64QAM	22.47	176.60				
			256QAM	19.50	89.13				
	701.50 ~ 713.50	5	QPSK	24.44	277.97	19.05	80.35	15.31	33.96
			16QAM	23.55	226.46	18.05	63.83	14.21	26.36
			64QAM	22.46	176.20				
			256QAM	19.49	88.92				
	700.50 ~ 714.50	3	QPSK	**24.46**	**279.25**	18.90	77.62	**15.32**	**34.04**
			16QAM	23.63	230.67	17.76	59.70	14.47	27.99
			64QAM	22.54	179.47				
			256QAM	19.52	89.54				
	699.70 ~ 715.30	1.4	QPSK	24.33	271.02	19.04	80.17	15.28	33.73
			16QAM	23.42	219.79	18.02	63.39	14.17	26.12
			64QAM	22.41	174.18				
			256QAM	19.35	86.10				

FCC Part 27							
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted (ANT D)		Radiated (ANT D)	
				Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
Band 12	704.00 ~ 711.00	10	QPSK	24.48	280.54	**16.99**	**50.00**
			16QAM	23.76	237.68	16.00	39.81
			64QAM	22.71	186.64		
			256QAM	19.67	92.68		
	701.50 ~ 713.50	5	QPSK	**24.62**	**289.73**	16.98	49.89
			16QAM	23.86	243.22	15.88	38.73
			64QAM	22.78	189.67		
			256QAM	19.84	96.38		
	700.50 ~ 714.50	3	QPSK	24.60	288.40	16.07	40.46
			16QAM	23.78	238.78	16.06	40.36
			64QAM	22.89	194.54		
			256QAM	19.78	95.06		
	699.70 ~ 715.30	1.4	QPSK	24.61	289.07	15.94	39.26
			16QAM	23.67	232.81	15.80	38.02
			64QAM	22.73	187.50		
			256QAM	0.00	1.00		

LTE Band 13

FCC Part 27									
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted (ANT A)		Radiated (ANT A+B)		Radiated (ANT A)	
				Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
Band 13	782.00	10	QPSK	24.87	306.90	19.44	87.90	13.95	24.83
			16QAM	24.07	255.27	18.41	69.34	12.78	18.97
			64QAM	23.04	201.37				
			256QAM	20.21	104.95				
	779.50 ~ 784.50	5	QPSK	**24.91**	**309.74**	**19.74**	**94.19**	**14.13**	**25.88**
			16QAM	24.41	276.06	18.79	75.68	13.13	20.56
			64QAM	23.07	202.77				
			256QAM	20.09	102.09				

FCC Part 27							
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted (ANT D)		Radiated (ANT D)	
				Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
Band 13	782.00	10	QPSK	24.60	288.40	16.51	44.77
			16QAM	23.86	243.22	15.80	38.02
			64QAM	22.83	191.87		
			256QAM	19.84	96.38		
	779.50 ~ 784.50	5	QPSK	**24.83**	**304.09**	**16.90**	**48.98**
			16QAM	24.26	266.69	16.01	39.90
			64QAM	23.08	203.24		
			256QAM	20.02	100.46		

LTE Band 30

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	2310.00	10	QPSK	23.01	199.99	21.37	137.09
			16QAM	22.23	167.11	20.45	110.92
			64QAM	21.30	134.90		
			256QAM	18.21	66.22		
	2307.50 ~ 2312.50	5	QPSK	**23.48**	**222.84**	**21.41**	**138.36**
			16QAM	22.93	196.34	20.50	112.20
			64QAM	21.62	145.21		
			256QAM	18.51	70.96		

FCC Part 27							
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted (ANT E)		Radiated (ANT E)	
				Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
Band 30	2310.00	10	QPSK	22.59	181.55	21.32	135.52
			16QAM	21.94	156.31	20.39	109.40
			64QAM	20.81	120.50		
			256QAM	17.93	62.09		
	2307.50 ~ 2312.50	5	QPSK	**22.84**	**192.31**	**21.41**	**138.36**
			16QAM	22.20	165.96	20.41	109.90
			64QAM	21.02	126.47		
			256QAM	17.92	61.94		

LTE Band 41 (PC2)

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	2506.00 ~ 2680.00	20	QPSK	25.80	380.19	27.11	514.04
			16QAM	25.19	330.37	26.43	439.54
			64QAM	24.03	252.93		
			256QAM	20.91	123.31		
	2503.50 ~ 2682.50	15	QPSK	**25.91**	**389.94**	27.11	514.04
			16QAM	25.10	323.59	26.42	438.53
			64QAM	24.10	257.04		
			256QAM	20.95	124.45		
	2501.00 ~ 2685.00	10	QPSK	25.90	389.05	**27.30**	**537.03**
			16QAM	25.06	320.63	26.46	442.59
			64QAM	24.03	252.93		
			256QAM	20.85	121.62		
	2498.50 ~ 2687.50	5	QPSK	25.83	382.82	27.23	528.45
			16QAM	25.22	332.66	26.23	419.76
			64QAM	24.02	252.35		
			256QAM	20.95	124.45		

FCC Part 27							
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted (ANT E)		Radiated (ANT E)	
				Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
Band 41	2506.00 ~ 2680.00	20	QPSK	25.99	397.19	**25.22**	**332.66**
			16QAM	25.44	349.95	24.35	272.27
			64QAM	24.32	270.40		
			256QAM	21.14	130.02		
	2503.50 ~ 2682.50	15	QPSK	25.97	395.37	24.99	315.50
			16QAM	25.43	349.14	24.22	264.24
			64QAM	24.10	257.04		
			256QAM	21.18	131.22		
	2501.00 ~ 2685.00	10	QPSK	**26.15**	**412.10**	24.83	304.09
			16QAM	25.27	336.51	23.98	250.03
			64QAM	24.17	261.22		
			256QAM	21.19	131.52		
	2498.50 ~ 2687.50	5	QPSK	25.93	391.74	25.10	323.59
			16QAM	25.46	351.56	24.13	258.82
			64QAM	24.19	262.42		
			256QAM	21.24	133.05		

UL KOREA LTD. Suwon Laboratory FORM ID: FCC_27(05)
218 Maeyeong-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16675, Korea TEL: (031) 337-9902 FAX: (031) 213-5433

LTE Band 41C (UL CA)

FCC Part 27							
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted (ANT B)		Radiated (ANT B)	
				Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
41C	2506.00 ~ 2680.00	40MHz (20MHz / 20MHz)	QPSK	**25.81**	**381.07**	**26.87**	**486.41**
			16QAM	24.61	289.07	26.26	422.67
	2503.50 ~ 2682.50	35MHz (15MHz / 20MHz)	QPSK	25.60	363.08		
			16QAM	24.28	267.92		
	2503.50 ~ 2682.50	30MHz (15MHz / 15MHz)	QPSK	25.59	362.24		
			16QAM	24.37	273.53		
	2498.50 ~ 2680.0	25MHz (5MHz / 20MHz)	QPSK	25.61	363.92		
			16QAM	24.55	285.10		

FCC Part 27							
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted (ANT E)		Radiated (ANT E)	
				Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
41C	2506.00 ~ 2680.00	40MHz (20MHz / 20MHz)	QPSK	**26.13**	**410.20**	**22.44**	**175.39**
			16QAM	24.87	306.90	21.08	128.23
	2503.50 ~ 2682.50	35MHz (15MHz / 20MHz)	QPSK	26.10	407.38		
			16QAM	24.85	305.49		
	2503.50 ~ 2682.50	30MHz (15MHz / 15MHz)	QPSK	26.08	405.51		
			16QAM	24.86	306.20		
	2498.50 ~ 2680.0	25MHz (5MHz / 20MHz)	QPSK	26.10	407.38		
			16QAM	24.71	295.80		

LTE Band 66

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	1720.00 ~ 1770.00	20	QPSK	24.02	252.35	23.37	217.27
			16QAM	23.33	215.28	22.61	182.39
			64QAM	22.22	166.72		
			256QAM	19.20	83.18		
	1717.50 ~ 1772.50	15	QPSK	23.98	250.03	23.47	222.33
			16QAM	23.30	213.80	22.68	185.35
			64QAM	22.19	165.58		
			256QAM	19.23	83.75		
	1715.00 ~ 1775.00	10	QPSK	24.02	252.35	23.46	221.82
			16QAM	23.37	217.27	22.67	184.93
			64QAM	22.30	169.82		
			256QAM	19.23	83.75		
	1712.50 ~ 1777.50	5	QPSK	24.29	268.53	23.51	224.39
			16QAM	23.43	220.29	22.63	183.23
			64QAM	22.55	179.89		
			256QAM	19.48	88.72		
	1711.50 ~ 1778.50	3	QPSK	**24.36**	**272.90**	**24.04**	**253.51**
			16QAM	23.62	230.14	23.04	201.37
			64QAM	22.47	176.60		
			256QAM	19.50	89.13		
	1710.70 ~ 1779.30	1.4	QPSK	24.22	264.24	23.90	245.47
			16QAM	23.32	214.78	23.05	201.84
			64QAM	22.47	176.60		
			256QAM	19.41	87.30		

FCC Part 27							
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted (ANT E)		Radiated (ANT E)	
				Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
Band 66	1720.00 ~ 1770.00	20	QPSK	23.76	237.68	23.45	221.31
			16QAM	23.16	207.01	22.81	190.99
			64QAM	22.00	158.49		
			256QAM	19.03	79.98		
	1717.50 ~ 1772.50	15	QPSK	23.77	238.23	23.75	237.14
			16QAM	22.95	197.24	22.85	192.75
			64QAM	22.04	159.96		
			256QAM	19.03	79.98		
	1715.00 ~ 1775.00	10	QPSK	23.86	243.22	23.69	233.88
			16QAM	22.94	196.79	22.99	199.07
			64QAM	22.22	166.72		
			256QAM	19.08	80.91		
	1712.50 ~ 1777.50	5	QPSK	**23.97**	**249.46**	23.66	232.27
			16QAM	23.09	203.70	23.16	207.01
			64QAM	22.30	169.82		
			256QAM	19.24	83.95		
	1711.50 ~ 1778.50	3	QPSK	23.95	248.31	23.53	225.42
			16QAM	23.07	202.77	23.00	199.53
			64QAM	22.17	164.82		
			256QAM	19.16	82.41		
	1710.70 ~ 1779.30	1.4	QPSK	23.84	242.10	**23.87**	**243.78**
			16QAM	22.96	197.70	22.99	199.07
			64QAM	22.19	165.58		
			256QAM	19.09	81.10		

LTE Band 66B (UL CA)

FCC Part 27							
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted (ANT B)		Radiated (ANT B)	
				Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
66B	1715.00 ~ 1775.00	20MHz (10MHz / 10MHz)	QPSK	**23.74**	**236.59**	**24.02**	**252.35**
			16QAM	22.86	193.20	23.08	203.24
	1712.50 ~ 1775.00	15MHz (5MHz / 10MHz)	QPSK	23.69	233.88		
			16QAM	22.70	186.21		
	1712.50 ~ 1777.50	10MHz (5MHz / 5MHz)	QPSK	**23.74**	**236.59**		
			16QAM	22.86	193.20		

FCC Part 27							
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted (ANT E)		Radiated (ANT E)	
				Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
66B	1715.00 ~ 1775.00	20MHz (10MHz / 10MHz)	QPSK	23.88	244.34	**22.45**	**175.79**
			16QAM	23.10	204.17	21.49	140.93
	1712.50 ~ 1775.00	15MHz (5MHz / 10MHz)	QPSK	**23.95**	**248.31**		
			16QAM	23.08	203.24		
	1712.50 ~ 1777.50	10MHz (5MHz / 5MHz)	QPSK	23.93	247.17		
			16QAM	23.09	203.70		

LTE Band 66C (UL CA)

FCC Part 27							
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted (ANT B)		Radiated (ANT B)	
				Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
66C	1720.00 ~ 1770.00	40MHz (20MHz / 20MHz)	QPSK	**23.70**	**234.42**	**23.90**	**245.47**
			16QAM	22.83	191.87	23.26	211.84
	1717.80 ~ 1770.00	35MHz (15MHz / 20MHz)	QPSK	23.63	230.67		
			16QAM	22.86	193.20		
	1717.50 ~ 1772.50	30MHz (15MHz / 15MHz)	QPSK	23.60	229.09		
			16QAM	22.86	193.20		
	1712.50 ~ 1770.00	25MHz (5MHz / 20MHz)	QPSK	23.60	229.09		
			16QAM	22.82	191.43		

FCC Part 27							
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted (ANT E)		Radiated (ANT E)	
				Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
66C	1720.00 ~ 1770.00	40MHz (20MHz / 20MHz)	QPSK	**24.13**	**258.82**	**21.65**	**146.22**
			16QAM	23.33	215.28	20.84	121.34
	1717.80 ~ 1770.00	35MHz (15MHz / 20MHz)	QPSK	24.11	257.63		
			16QAM	23.34	215.92		
	1717.50 ~ 1772.50	30MHz (15MHz / 15MHz)	QPSK	24.07	255.27		
			16QAM	23.40	218.78		
	1712.50 ~ 1770.00	25MHz (5MHz / 20MHz)	QPSK	24.03	252.93		
			16QAM	23.35	216.27		

LTE Band 71

FCC Part 27									
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted (ANT A)		Radiated (ANT A+B)		Radiated (ANT A)	
				Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
Band 71	673.00 ~ 688.00	20	QPSK	24.46	279.25	**19.01**	**79.62**	**15.95**	**39.36**
			16QAM	23.88	244.34	17.97	62.66	14.85	30.55
			64QAM	22.57	180.72				
			256QAM	19.50	89.13				
	670.50 ~ 690.50	15	QPSK	24.41	276.06	18.74	74.82	15.79	37.93
			16QAM	23.69	233.88	17.83	60.67	15.05	31.99
			64QAM	22.64	183.65				
			256QAM	19.49	88.92				
	668.00 ~ 693.00	10	QPSK	24.44	277.97	18.75	74.99	15.59	36.22
			16QAM	23.65	231.74	17.74	59.43	14.81	30.25
			64QAM	22.66	184.50				
			256QAM	19.61	91.41				
	665.50 ~ 695.50	5	QPSK	**24.54**	**284.45**	18.76	75.16	15.76	37.67
			16QAM	23.89	244.91	17.71	59.02	14.81	30.27
			64QAM	22.78	189.67				
			256QAM	19.64	92.04				

FCC Part 27							
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted (ANT D)		Radiated (ANT D)	
				Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
Band 71	673.00 ~ 688.00	20	QPSK	24.33	271.02	**16.47**	**44.36**
			16QAM	23.76	237.68	15.62	36.48
			64QAM	22.46	176.20		
			256QAM	19.44	87.90		
	670.50 ~ 690.50	15	QPSK	24.32	270.40	16.41	43.75
			16QAM	23.58	228.03	15.49	35.40
			64QAM	22.49	177.42		
			256QAM	19.35	86.10		
	668.00 ~ 693.00	10	QPSK	24.34	271.64	14.93	31.12
			16QAM	23.63	230.67	14.84	30.48
			64QAM	22.60	181.97		
			256QAM	19.46	88.31		
	665.50 ~ 695.50	5	QPSK	**24.42**	**276.69**	14.96	31.33
			16QAM	23.98	250.03	15.22	33.27
			64QAM	22.67	184.93		
			256QAM	19.46	88.31		

NR Band n7

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	2520.00 ~ 2550.00	40	DFT-s OFDM	π/2 BPSK	23.46	221.82		
				QPSK	**23.49**	**223.36**	**24.37**	**273.53**
				16QAM	22.28	169.04	23.31	214.29
				64QAM	21.03	126.77		
				256QAM	18.41	69.34		
			CP-OFDM	QPSK	22.06	160.69		
	2517.50 ~ 2552.50	35	DFT-s OFDM	π/2 BPSK	23.34	215.77		
				QPSK	23.34	215.77	24.10	257.04
				16QAM	22.17	164.82	23.22	209.89
				64QAM	20.92	123.59		
				256QAM	18.30	67.61		
			CP-OFDM	QPSK	21.91	155.24		
	2515.00 ~ 2555.00	30	DFT-s OFDM	π/2 BPSK	23.37	217.27		
				QPSK	23.31	214.29	24.03	252.93
				16QAM	22.14	163.68	23.17	207.49
				64QAM	20.91	123.31		
				256QAM	18.29	67.45		
			CP-OFDM	QPSK	22.01	158.85		
	2512.50 ~ 2557.50	25	DFT-s OFDM	π/2 BPSK	23.38	217.77		
				QPSK	23.39	218.27	23.59	228.56
				16QAM	22.17	164.82	22.59	181.55
				64QAM	20.90	123.03		
				256QAM	18.33	68.08		
			CP-OFDM	QPSK	21.95	156.68		
	2510.00 ~ 2560.00	20	DFT-s OFDM	π/2 BPSK	23.33	215.28		
				QPSK	23.32	214.78	23.57	227.51
				16QAM	22.15	164.06	22.61	182.39
				64QAM	20.89	122.74		
				256QAM	18.17	65.61		
			CP-OFDM	QPSK	21.91	155.24		
	2507.50 ~ 2562.50	15	DFT-s OFDM	π/2 BPSK	23.42	219.79		
				QPSK	23.38	217.77	23.36	216.77
				16QAM	22.13	163.31	22.41	174.18
				64QAM	20.92	123.59		
				256QAM	18.32	67.92		
			CP-OFDM	QPSK	21.93	155.96		
	2505.00 ~ 2565.00	10	DFT-s OFDM	π/2 BPSK	23.34	215.77		
				QPSK	23.32	214.78	23.72	235.50
				16QAM	22.15	164.06	22.52	178.65
				64QAM	20.93	123.88		
				256QAM	18.17	65.61		
			CP-OFDM	QPSK	21.91	155.24		
	2502.50 ~ 2567.50	5	DFT-s OFDM	π/2 BPSK	23.35	216.27		
				QPSK	23.32	214.78	23.59	228.56
				16QAM	22.06	160.69	22.62	182.81
				64QAM	20.91	123.31		
				256QAM	18.24	66.68		
			CP-OFDM	QPSK	21.92	155.60		

FCC Part 27								
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted (ANT E)		Radiated (ANT E)	
					Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n7	2520.00 ~ 2550.00	40	DFT-s OFDM	π/2 BPSK	22.62	182.81		
				QPSK	22.55	179.89	22.88	194.09
				16QAM	21.43	139.00	22.02	159.22
				64QAM	20.14	103.28		
				256QAM	17.54	56.75		
			CP-OFDM	QPSK	21.16	130.62		
	2517.50 ~ 2552.50	35	DFT-s OFDM	π/2 BPSK	22.69	185.78		
				QPSK	22.75	188.36	23.07	202.77
				16QAM	21.51	141.58	22.17	164.82
				64QAM	20.23	105.44		
				256QAM	17.61	57.68		
			CP-OFDM	QPSK	21.32	135.52		
	2515.00 ~ 2555.00	30	DFT-s OFDM	π/2 BPSK	22.73	187.50		
				QPSK	22.76	188.80	23.39	218.27
				16QAM	21.58	143.88	22.41	174.18
				64QAM	20.30	107.15		
				256QAM	17.70	58.88		
			CP-OFDM	QPSK	21.30	134.90		
	2512.50 ~ 2557.50	25	DFT-s OFDM	π/2 BPSK	22.79	190.11		
				QPSK	**22.89**	**194.54**	**23.80**	**239.88**
				16QAM	21.59	144.21	22.83	191.87
				64QAM	20.33	107.89		
				256QAM	17.68	58.61		
			CP-OFDM	QPSK	21.41	138.36		
	2510.00 ~ 2560.00	20	DFT-s OFDM	π/2 BPSK	22.73	187.50		
				QPSK	22.76	188.80	23.53	225.42
				16QAM	21.50	141.25	22.47	176.60
				64QAM	20.19	104.47		
				256QAM	17.50	56.23		
			CP-OFDM	QPSK	21.31	135.21		
	2507.50 ~ 2562.50	15	DFT-s OFDM	π/2 BPSK	22.84	192.31		
				QPSK	22.86	193.20	23.78	238.78
				16QAM	21.58	143.88	22.77	189.23
				64QAM	20.29	106.91		
				256QAM	17.62	57.81		
			CP-OFDM	QPSK	21.33	135.83		
	2505.00 ~ 2565.00	10	DFT-s OFDM	π/2 BPSK	22.79	190.11		
				QPSK	22.79	190.11	23.56	226.99
				16QAM	21.57	143.55	22.43	174.98
				64QAM	20.27	106.41		
				256QAM	17.61	57.68		
			CP-OFDM	QPSK	21.37	137.09		
	2502.50 ~ 2567.50	5	DFT-s OFDM	π/2 BPSK	22.78	189.67		
				QPSK	22.79	190.11	23.53	225.42
				16QAM	21.65	146.22	22.65	184.08
				64QAM	20.46	111.17		
				256QAM	17.65	58.21		
			CP-OFDM	QPSK	21.44	139.32		

NR Band n12

FCC Part 27										
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted (ANT A)		Radiated (ANT A+B)		Radiated (ANT A)	
					Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n12	706.50 ~ 708.50	15	DFT-s OFDM	π/2 BPSK	23.89	244.91				
				QPSK	23.85	242.66	**19.04**	**80.17**	**14.34**	**27.16**
				16QAM	22.92	195.88	18.04	63.68	13.78	23.88
				64QAM	21.60	144.54				
				256QAM	18.87	77.09				
			CP-OFDM	QPSK	22.48	177.01				
	704.00 ~ 711.00	10	DFT-s OFDM	π/2 BPSK	23.79	239.33				
				QPSK	23.84	242.10	18.66	73.45	14.19	26.24
				16QAM	22.73	187.50	17.58	57.28	13.03	20.09
				64QAM	21.51	141.58				
				256QAM	18.73	74.64				
			CP-OFDM	QPSK	22.43	174.98				
	701.50 ~ 713.50	5	DFT-s OFDM	π/2 BPSK	23.89	244.91				
				QPSK	**23.90**	**245.47**	18.62	72.78	14.11	25.76
				16QAM	22.77	189.23	17.59	57.41	12.82	19.14
				64QAM	21.48	140.60				
				256QAM	18.89	77.45				
			CP-OFDM	QPSK	22.48	177.01				

FCC Part 27								
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted (ANT D)		Radiated (ANT D)	
					Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n12	706.50 ~ 708.50	15	DFT-s OFDM	π/2 BPSK	23.80	239.88		
				QPSK	23.67	232.81	16.38	43.45
				16QAM	22.71	186.64	15.35	34.28
				64QAM	21.44	139.32		
				256QAM	18.78	75.51		
			CP-OFDM	QPSK	22.34	171.40		
	704.00 ~ 711.00	10	DFT-s OFDM	π/2 BPSK	24.03	252.93		
				QPSK	24.08	255.86	**16.72**	**46.99**
				16QAM	22.90	194.98	15.45	35.08
				64QAM	21.62	145.21		
				256QAM	18.97	78.89		
			CP-OFDM	QPSK	22.57	180.72		
	701.50 ~ 713.50	5	DFT-s OFDM	π/2 BPSK	24.07	255.27		
				QPSK	**24.10**	**257.04**	16.70	46.77
				16QAM	22.90	194.98	15.52	35.65
				64QAM	21.67	146.89		
				256QAM	19.06	80.54		
			CP-OFDM	QPSK	22.67	184.93		

NR Band n30

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	2310.00	10	DFT-s OFDM	π/2 BPSK	22.58	181.13		
				QPSK	**22.61**	**182.39**	21.07	127.94
				16QAM	21.39	137.72	20.21	104.95
				64QAM	20.15	103.51		
				256QAM	17.47	55.85		
			CP-OFDM	QPSK	21.27	133.97		
	2307.50 ~ 2312.50	5	DFT-s OFDM	π/2 BPSK	22.49	177.42		
				QPSK	22.49	177.42	**21.57**	**143.55**
				16QAM	21.39	137.72	20.75	118.85
				64QAM	20.17	103.99		
				256QAM	17.56	57.02		
			CP-OFDM	QPSK	21.18	131.22		

FCC Part 27								
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted (ANT E)		Radiated (ANT E)	
					Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n30	2310.00	10	DFT-s OFDM	π/2 BPSK	21.99	158.12		
				QPSK	22.00	158.49	**21.56**	**143.22**
				16QAM	20.82	120.78	20.47	111.43
				64QAM	19.67	92.68		
				256QAM	17.00	50.12		
			CP-OFDM	QPSK	20.73	118.30		
	2307.50 ~ 2312.50	5	DFT-s OFDM	π/2 BPSK	22.14	163.68		
				QPSK	**22.18**	**165.20**	21.40	138.04
				16QAM	21.07	127.94	20.53	112.98
				64QAM	19.79	95.28		
				256QAM	17.12	51.52		
			CP-OFDM	QPSK	20.84	121.34		

NR Band n41 (PC2, SA_Switching) (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]
n41	2546.01 ~ 2640.00	100	DFT-s OFDM	π/2 BPSK	25.41	347.54		
				QPSK	25.62	364.75	26.00	398.11
				16QAM	24.64	291.07	25.11	324.34
				64QAM	22.83	191.87		
				256QAM	20.77	119.40		
			CP-OFDM	QPSK	23.99	250.61		
	2541.00 ~ 2644.98	90	DFT-s OFDM	π/2 BPSK	25.70	371.54		
				QPSK	25.70	371.54	26.54	450.82
				16QAM	24.57	286.42	25.53	357.27
				64QAM	23.17	207.49		
				256QAM	21.01	126.18		
			CP-OFDM	QPSK	24.28	267.92		
	2536.02 ~ 2649.99	80	DFT-s OFDM	π/2 BPSK	25.67	368.98		
				QPSK	25.67	368.98	26.33	429.54
				16QAM	24.52	283.14	25.42	348.34
				64QAM	23.14	206.06		
				256QAM	20.99	125.60		
			CP-OFDM	QPSK	24.26	266.69		
	2531.02 ~ 2655.00	70	DFT-s OFDM	π/2 BPSK	25.58	361.41		
				QPSK	25.60	363.08	26.01	399.02
				16QAM	24.39	274.79	25.09	322.85
				64QAM	23.03	200.91		
				256QAM	20.85	121.62		
			CP-OFDM	QPSK	24.12	258.23		
	2526.00 ~ 2659.98	60	DFT-s OFDM	π/2 BPSK	25.50	354.81		
				QPSK	25.55	358.92	25.71	372.39
				16QAM	24.31	269.77	24.66	292.42
				64QAM	22.98	198.61		
				256QAM	20.88	122.46		
			CP-OFDM	QPSK	24.30	269.15		
	2521.01 ~ 2664.99	50	DFT-s OFDM	π/2 BPSK	25.76	376.70		
				QPSK	**25.78**	**378.44**	26.04	401.79
				16QAM	24.49	281.19	25.22	332.66
				64QAM	23.08	203.24		
				256QAM	21.03	126.77		
			CP-OFDM	QPSK	24.32	270.40		
	2516.01 ~ 2670.00	40	DFT-s OFDM	π/2 BPSK	25.56	359.75		
				QPSK	25.39	345.94	26.23	419.76
				16QAM	24.53	283.79	25.13	325.84
				64QAM	22.99	199.07		
				256QAM	20.79	119.95		
			CP-OFDM	QPSK	24.11	257.63		
	2511.00 ~ 2674.98	30	DFT-s OFDM	π/2 BPSK	25.69	370.68		
				QPSK	25.64	366.44	26.54	450.82
				16QAM	24.42	276.69	25.40	346.74
				64QAM	23.08	203.24		
				256QAM	20.92	123.59		
			CP-OFDM	QPSK	24.20	263.03		
	2508.51 ~ 2677.50	25	DFT-s OFDM	π/2 BPSK	25.53	357.27		
				QPSK	25.53	357.27	26.50	446.68
				16QAM	24.38	274.16	25.77	377.57
				64QAM	22.75	188.36		
				256QAM	20.76	119.12		
			CP-OFDM	QPSK	24.12	258.23		
n41	2506.02 ~ 2679.99	20	DFT-s OFDM	π/2 BPSK	25.55	358.92		
				QPSK	25.53	357.27	26.59	456.04
				16QAM	24.45	278.61	25.54	358.10
				64QAM	23.00	199.53		
				256QAM	20.74	118.58		
			CP-OFDM	QPSK	24.04	253.51		
	2503.50 ~ 2682.48	15	DFT-s OFDM	π/2 BPSK	25.74	374.97		
				QPSK	25.68	369.83	26.61	458.14
				16QAM	24.41	276.06	25.57	360.58
				64QAM	23.00	199.53		
				256QAM	20.88	122.46		
			CP-OFDM	QPSK	24.25	266.07		
	2501.01 ~ 2685.00	10	DFT-s OFDM	π/2 BPSK	25.65	367.28		
				QPSK	25.69	370.68	**26.80**	**478.63**
				16QAM	24.19	262.42	25.61	363.92
				64QAM	22.77	189.23		
				256QAM	20.60	114.82		
			CP-OFDM	QPSK	23.85	242.66		

NR Band n41 (PC2, SA_Switching, SRS1)

FCC Part 27						
Band	Frequency Range [MHz]	BandWidth [MHz]	Conducted (ANT E)		Radiated (ANT E)	
			Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n41	2546.01 ~ 2640.00	100	26.25	421.70		
	2541.00 ~ 2644.98	90	26.15	412.10		
	2536.02 ~ 2649.99	80	26.21	417.83		
	2531.02 ~ 2655.00	70	26.22	418.79		
	2526.00 ~ 2659.98	60	26.23	419.76		
	2521.01 ~ 2664.99	50	**26.29**	**425.60**	**24.31**	**269.77**
	2516.01 ~ 2670.00	40	26.21	417.83		
	2511.00 ~ 2674.98	30	26.16	413.05		
	2508.51 ~ 2677.50	25	26.21	417.83		
	2506.02 ~ 2679.99	20	26.21	417.83		
	2503.5 ~ 2682.48	15	26.23	419.76		
	2501.01 ~ 2685.00	10	26.21	417.83		

NR Band n41 (PC2, SA_Switching, SRS2)

FCC Part 27						
Band	Frequency Range [MHz]	BandWidth [MHz]	Conducted (ANT C)		Radiated (ANT C)	
			Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n41	2546.01 ~ 2640.00	100	19.37	86.50		
	2541.00 ~ 2644.98	90	19.26	84.33		
	2536.02 ~ 2649.99	80	19.33	85.70		
	2531.02 ~ 2655.00	70	19.61	91.41		
	2526.00 ~ 2659.98	60	19.73	93.97		
	2521.01 ~ 2664.99	50	20.07	101.62		
	2516.01 ~ 2670.00	40	20.23	105.44		
	2511.00 ~ 2674.98	30	20.31	107.40		
	2508.51 ~ 2677.50	25	20.40	109.65		
	2506.02 ~ 2679.99	20	20.38	109.14		
	2503.5 ~ 2682.48	15	20.36	108.64		
	2501.01 ~ 2685.00	10	**20.43**	**110.41**	**14.83**	**30.41**

NR Band n41 (PC2, SA_Switching, SRS3)

FCC Part 27						
Band	Frequency Range [MHz]	BandWidth [MHz]	Conducted (ANT G)		Radiated (ANT G)	
			Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n41	2546.01 ~ 2640.00	100	21.68	147.23		
	2541.00 ~ 2644.98	90	21.45	139.64		
	2536.02 ~ 2649.99	80	21.41	138.36		
	2531.02 ~ 2655.00	70	21.61	144.88		
	2526.00 ~ 2659.98	60	21.52	141.91		
	2521.01 ~ 2664.99	50	**21.85**	**153.11**	**17.51**	**56.36**
	2516.01 ~ 2670.00	40	21.63	145.55		
	2511.00 ~ 2674.98	30	21.42	138.68		
	2508.51 ~ 2677.50	25	21.33	135.83		
	2506.02 ~ 2679.99	20	21.26	133.66		
	2503.5 ~ 2682.48	15	21.41	138.36		
	2501.01 ~ 2685.00	10	21.59	144.21		

NR Band n41 (PC2) (ANT E)

FCC Part 27								
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted (ANT E)		Radiated (ANT E)	
					Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n41	2546.01 ~ 2640.00	100	DFT-s OFDM	π/2 BPSK	26.00	398.11		
				QPSK	26.05	402.72	**26.21**	**417.83**
				16QAM	24.94	311.89	25.39	345.94
				64QAM	23.25	211.35		
				256QAM	21.32	135.52		
			CP-OFDM	QPSK	24.56	285.76		
	2541.00 ~ 2644.98	90	DFT-s OFDM	π/2 BPSK	26.13	410.20		
				QPSK	26.12	409.26	25.28	337.29
				16QAM	25.00	316.23	24.27	267.30
				64QAM	23.64	231.21		
				256QAM	21.38	137.40		
			CP-OFDM	QPSK	24.57	286.42		
	2536.02 ~ 2649.99	80	DFT-s OFDM	π/2 BPSK	26.21	417.83		
				QPSK	26.12	409.26	25.87	386.37
				16QAM	24.92	310.46	25.00	316.23
				64QAM	23.44	220.80		
				256QAM	21.29	134.59		
			CP-OFDM	QPSK	24.61	289.07		
	2531.02 ~ 2655.00	70	DFT-s OFDM	π/2 BPSK	26.18	414.95		
				QPSK	26.19	415.91	25.26	335.74
				16QAM	24.82	303.39	24.39	274.79
				64QAM	23.48	222.84		
				256QAM	21.21	132.13		
			CP-OFDM	QPSK	24.49	281.19		
	2526.00 ~ 2659.98	60	DFT-s OFDM	π/2 BPSK	25.86	385.48		
				QPSK	25.88	387.26	25.58	361.41
				16QAM	24.77	299.92	24.54	284.45
				64QAM	23.37	217.27		
				256QAM	21.14	130.02		
			CP-OFDM	QPSK	24.32	270.40		
	2521.01 ~ 2664.99	50	DFT-s OFDM	π/2 BPSK	26.20	416.87		
				QPSK	26.30	426.58	25.97	395.37
				16QAM	25.08	322.11	24.84	304.79
				64QAM	23.52	224.91		
				256QAM	21.31	135.21		
			CP-OFDM	QPSK	24.55	285.10		
	2516.01 ~ 2670.00	40	DFT-s OFDM	π/2 BPSK	26.14	411.15		
				QPSK	26.02	399.94	25.63	365.59
				16QAM	24.58	287.08	24.65	291.74
				64QAM	23.39	218.27		
				256QAM	21.20	131.83		
			CP-OFDM	QPSK	24.45	278.61		
	2511.00 ~ 2674.98	30	DFT-s OFDM	π/2 BPSK	26.28	424.62		
				QPSK	**26.31**	**427.56**	25.05	319.89
				16QAM	25.10	323.59	23.93	247.17
				64QAM	23.72	235.50		
				256QAM	21.46	139.96		
			CP-OFDM	QPSK	24.72	296.48		
	2508.51 ~ 2677.50	25	DFT-s OFDM	π/2 BPSK	26.12	409.26		
				QPSK	26.30	426.58	25.02	317.69
				16QAM	25.03	318.42	23.92	246.60
				64QAM	23.69	233.88		
				256QAM	21.16	130.62		
			CP-OFDM	QPSK	24.54	284.45		
n41	2506.02 ~ 2679.99	20	DFT-s OFDM	π/2 BPSK	26.06	403.65		
				QPSK	26.09	406.44	24.72	296.48
				16QAM	24.89	308.32	23.67	232.81
				64QAM	23.44	220.80		
				256QAM	21.24	133.05		
			CP-OFDM	QPSK	24.57	286.42		
	2503.50 ~ 2682.48	15	DFT-s OFDM	π/2 BPSK	26.09	406.44		
				QPSK	26.07	404.58	24.80	302.00
				16QAM	24.94	311.89	24.86	306.20
				64QAM	23.56	226.99		
				256QAM	21.33	135.83		
			CP-OFDM	QPSK	24.62	289.73		
	2501.01 ~ 2685.00	10	DFT-s OFDM	π/2 BPSK	26.19	415.91		
				QPSK	26.14	411.15	24.86	306.20
				16QAM	24.92	310.46	23.73	236.05
				64QAM	23.50	223.87		
				256QAM	21.30	134.90		
			CP-OFDM	QPSK	24.63	290.40		

NR Band n41 (PC2, SRS1)

FCC Part 27						
Band	Frequency Range [MHz]	BandWidth [MHz]	Conducted (ANT B)		Radiated (ANT B)	
			Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n41	2546.01 ~ 2640.00	100	24.96	313.33		
	2541.00 ~ 2644.98	90	25.01	316.96		
	2536.02 ~ 2649.99	80	25.06	320.63		
	2531.02 ~ 2655.00	70	25.01	316.96		
	2526.00 ~ 2659.98	60	25.13	325.84		
	2521.01 ~ 2664.99	50	**25.32**	**340.41**	**22.95**	**197.24**
	2516.01 ~ 2670.00	40	25.23	333.43		
	2511.00 ~ 2674.98	30	25.08	322.11		
	2508.51 ~ 2677.50	25	25.13	325.84		
	2506.02 ~ 2679.99	20	25.11	324.34		
	2503.5 ~ 2682.48	15	25.06	320.63		
	2501.01 ~ 2685.00	10	25.17	328.85		

NR Band n41 (PC2, SRS2)

FCC Part 27						
Band	Frequency Range [MHz]	BandWidth [MHz]	Conducted (ANT G)		Radiated (ANT G)	
			Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n41	2546.01 ~ 2640.00	100	20.77	119.40		
	2541.00 ~ 2644.98	90	20.76	119.12		
	2536.02 ~ 2649.99	80	20.65	116.14		
	2531.02 ~ 2655.00	70	20.78	119.67		
	2526.00 ~ 2659.98	60	20.89	122.74		
	2521.01 ~ 2664.99	50	**21.06**	**127.64**	**17.85**	**60.95**
	2516.01 ~ 2670.00	40	21.02	126.47		
	2511.00 ~ 2674.98	30	20.95	124.45		
	2508.51 ~ 2677.50	25	20.91	123.31		
	2506.02 ~ 2679.99	20	20.77	119.40		
	2503.5 ~ 2682.48	15	20.61	115.08		
	2501.01 ~ 2685.00	10	20.33	107.89		

NR Band n41 (PC2, SRS3)

FCC Part 27						
Band	Frequency Range [MHz]	BandWidth [MHz]	Conducted (ANT C)		Radiated (ANT C)	
			Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n41	2546.01 ~ 2640.00	100	18.45	69.98		
	2541.00 ~ 2644.98	90	18.51	70.96		
	2536.02 ~ 2649.99	80	18.55	71.61		
	2531.02 ~ 2655.00	70	18.68	73.79		
	2526.00 ~ 2659.98	60	19.23	83.75		
	2521.01 ~ 2664.99	50	19.21	83.37		
	2516.01 ~ 2670.00	40	19.42	87.50		
	2511.00 ~ 2674.98	30	19.38	86.70		
	2508.51 ~ 2677.50	25	19.43	87.70		
	2506.02 ~ 2679.99	20	19.41	87.30		
	2503.5 ~ 2682.48	15	19.48	88.72		
	2501.01 ~ 2685.00	10	**19.51**	**89.33**	**14.60**	**28.84**

NR Band n66

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	1730.00 ~ 1760.00	40	DFT-s OFDM	π/2 BPSK	23.58	228.03		
				QPSK	23.40	218.78	24.46	279.25
				16QAM	22.41	174.18	23.51	224.39
				64QAM	21.07	127.94		
				256QAM	18.37	68.71		
			CP-OFDM	QPSK	22.11	162.55		
	1727.50 ~ 1762.50	35	DFT-s OFDM	π/2 BPSK	23.97	249.46		
				QPSK	23.89	244.91	**24.66**	**292.42**
				16QAM	22.82	191.43	23.62	230.14
				64QAM	21.46	139.96		
				256QAM	18.84	76.56		
			CP-OFDM	QPSK	22.49	177.42		
	1725.00 ~ 1765.00	30	DFT-s OFDM	π/2 BPSK	24.04	253.51		
				QPSK	23.87	243.78	24.56	285.76
				16QAM	22.91	195.43	23.65	231.74
				64QAM	21.52	141.91		
				256QAM	18.87	77.09		
			CP-OFDM	QPSK	22.51	178.24		
	1722.50 ~ 1767.50	25	DFT-s OFDM	π/2 BPSK	24.02	252.35		
				QPSK	24.04	253.51	24.39	274.79
				16QAM	22.83	191.87	23.43	220.29
				64QAM	21.55	142.89		
				256QAM	18.81	76.03		
			CP-OFDM	QPSK	22.58	181.13		
	1720.00 ~ 1770.00	20	DFT-s OFDM	π/2 BPSK	23.92	246.60		
				QPSK	23.88	244.34	24.57	286.42
				16QAM	22.78	189.67	23.65	231.74
				64QAM	21.50	141.25		
				256QAM	18.75	74.99		
			CP-OFDM	QPSK	22.42	174.58		
	1717.50 ~ 1772.50	15	DFT-s OFDM	π/2 BPSK	24.01	251.77		
				QPSK	**24.05**	**254.10**	24.57	286.42
				16QAM	22.90	194.98	23.59	228.56
				64QAM	21.62	145.21		
				256QAM	18.88	77.27		
			CP-OFDM	QPSK	22.54	179.47		
	1715.00 ~ 1775.00	10	DFT-s OFDM	π/2 BPSK	23.91	246.04		
				QPSK	23.97	249.46	24.55	285.10
				16QAM	22.84	192.31	23.56	226.99
				64QAM	21.54	142.56		
				256QAM	18.83	76.38		
			CP-OFDM	QPSK	22.48	177.01		
	1712.50 ~ 1777.50	5	DFT-s OFDM	π/2 BPSK	23.91	246.04		
				QPSK	23.81	240.44	24.23	264.85
				16QAM	22.80	190.55	23.13	205.59
				64QAM	21.42	138.68		
				256QAM	18.73	74.64		
			CP-OFDM	QPSK	22.28	169.04		

FCC Part 27								
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted (ANT E)		Radiated (ANT E)	
					Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n66	1730.00 ~ 1760.00	40	DFT-s OFDM	π/2 BPSK	23.15	206.54		
				QPSK	23.16	207.01	23.02	200.45
				16QAM	22.03	159.59	21.96	157.04
				64QAM	20.64	115.88		
				256QAM	17.94	62.23		
			CP-OFDM	QPSK	21.65	146.22		
	1727.50 ~ 1762.50	35	DFT-s OFDM	π/2 BPSK	23.68	233.35		
				QPSK	23.67	232.81	23.04	201.37
				16QAM	22.19	165.58	22.01	158.85
				64QAM	20.87	122.18		
				256QAM	18.18	65.77		
			CP-OFDM	QPSK	22.01	158.85		
	1725.00 ~ 1765.00	30	DFT-s OFDM	π/2 BPSK	**23.74**	**236.59**		
				QPSK	**23.74**	**236.59**	23.03	200.91
				16QAM	22.19	165.58	22.07	161.06
				64QAM	20.88	122.46		
				256QAM	18.24	66.68		
			CP-OFDM	QPSK	21.90	154.88		
	1722.50 ~ 1767.50	25	DFT-s OFDM	π/2 BPSK	23.70	234.42		
				QPSK	23.69	233.88	**23.37**	**217.27**
				16QAM	22.30	169.82	22.26	168.27
				64QAM	20.99	125.60		
				256QAM	18.29	67.45		
			CP-OFDM	QPSK	21.92	155.60		
	1720.00 ~ 1770.00	20	DFT-s OFDM	π/2 BPSK	23.42	219.79		
				QPSK	23.44	220.80	22.92	195.88
				16QAM	22.12	162.93	21.86	153.46
				64QAM	20.72	118.03		
				256QAM	18.09	64.42		
			CP-OFDM	QPSK	21.82	152.05		
	1717.50 ~ 1772.50	15	DFT-s OFDM	π/2 BPSK	23.47	222.33		
				QPSK	23.43	220.29	23.03	200.91
				16QAM	22.27	168.66	22.18	165.20
				64QAM	20.96	124.74		
				256QAM	18.27	67.14		
			CP-OFDM	QPSK	21.96	157.04		
	1715.00 ~ 1775.00	10	DFT-s OFDM	π/2 BPSK	23.51	224.39		
				QPSK	23.55	226.46	22.93	196.34
				16QAM	22.27	168.66	21.99	158.12
				64QAM	20.92	123.59		
				256QAM	18.28	67.30		
			CP-OFDM	QPSK	21.98	157.76		
	1712.50 ~ 1777.50	5	DFT-s OFDM	π/2 BPSK	23.57	227.51		
				QPSK	23.57	227.51	22.86	193.20
				16QAM	22.31	170.22	21.79	151.01
				64QAM	21.02	126.47		
				256QAM	18.32	67.92		
			CP-OFDM	QPSK	22.00	158.49		

NR Band n70

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]
n70	1702.5	15	DFT-s OFDM	π/2 BPSK	23.54	225.94		
				QPSK	23.28	212.81	22.95	197.24
				16QAM	21.91	155.24	21.95	156.68
				64QAM	21.17	130.92		
				256QAM	18.52	71.12		
			CP-OFDM	QPSK	22.09	161.81		
	1700.0 -1705.0	10	DFT-s OFDM	π/2 BPSK	23.76	237.68		
				QPSK	23.73	236.05	**23.00**	**199.53**
				16QAM	22.59	181.55	22.01	158.85
				64QAM	21.30	134.90		
				256QAM	18.61	72.61		
			CP-OFDM	QPSK	22.29	169.43		
	1697.5 - 1707.5	5	DFT-s OFDM	π/2 BPSK	23.80	239.88		
				QPSK	**23.81**	**240.44**	22.92	195.88
				16QAM	22.71	186.64	21.98	157.76
				64QAM	21.40	138.04		
				256QAM	18.64	73.11		
			CP-OFDM	QPSK	22.35	171.79		

FCC Part 27								
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted (ANT E)		Radiated (ANT E)	
					Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n70	1702.5	15	DFT-s OFDM	π/2 BPSK	22.95	197.24		
				QPSK	22.95	197.24	22.56	180.30
				16QAM	21.86	153.46	21.51	141.58
				64QAM	20.46	111.17		
				256QAM	17.82	60.53		
			CP-OFDM	QPSK	21.53	142.23		
	1700.0 -1705.0	10	DFT-s OFDM	π/2 BPSK	22.94	196.79		
				QPSK	**22.99**	**199.07**	**22.67**	**184.93**
				16QAM	21.91	155.24	21.69	147.57
				64QAM	20.64	115.88		
				256QAM	17.94	62.23		
			CP-OFDM	QPSK	21.68	147.23		
	1697.5 - 1707.5	5	DFT-s OFDM	π/2 BPSK	22.97	198.15		
				QPSK	22.95	197.24	22.48	177.01
				16QAM	21.90	154.88	21.65	146.22
				64QAM	20.59	114.55		
				256QAM	17.89	61.52		
			CP-OFDM	QPSK	21.53	142.23		

NR Band n71

FCC Part 27											
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted (ANT A)		Radiated (ANT A+B)		Radiated (ANT A)	
					Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n71	673.00 ~ 688.00	20	DFT-s OFDM	π/2 BPSK	24.06	254.68				
				QPSK	**24.07**	**255.27**	18.14	65.16	**15.39**	**34.59**
				16QAM	22.90	194.98	17.21	52.60	14.08	25.59
				64QAM	21.57	143.55				
				256QAM	18.77	75.34				
			CP-OFDM	QPSK	22.47	176.60				
	670.50 ~ 690.50	15	DFT-s OFDM	π/2 BPSK	23.92	246.60				
				QPSK	23.90	245.47	18.15	65.31	15.13	32.58
				16QAM	22.81	190.99	17.09	51.17	13.91	24.60
				64QAM	21.57	143.55				
				256QAM	19.02	79.80				
			CP-OFDM	QPSK	22.40	173.78				
	668.00 ~ 693.00	10	DFT-s OFDM	π/2 BPSK	23.97	249.46				
				QPSK	23.97	249.46	**18.28**	**67.30**	14.89	30.83
				16QAM	22.79	190.11	17.25	53.09	13.66	23.23
				64QAM	21.50	141.25				
				256QAM	18.75	74.99				
			CP-OFDM	QPSK	22.43	174.98				
	665.50 ~ 695.50	5	DFT-s OFDM	π/2 BPSK	23.99	250.61				
				QPSK	24.03	252.93	18.04	63.68	14.82	30.34
				16QAM	22.95	197.24	17.04	50.58	13.67	23.28
				64QAM	21.62	145.21				
				256QAM	19.00	79.43				
			CP-OFDM	QPSK	22.68	185.35				

FCC Part 27								
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted (ANT D)		Radiated (ANT D)	
					Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n71	673.00 ~ 688.00	20	DFT-s OFDM	π/2 BPSK	24.10	257.04		
				QPSK	24.11	257.63	16.15	41.21
				16QAM	22.89	194.54	15.07	32.14
				64QAM	21.62	145.21		
				256QAM	18.83	76.38		
			CP-OFDM	QPSK	22.56	180.30		
	670.50 ~ 690.50	15	DFT-s OFDM	π/2 BPSK	24.77	299.92		
				QPSK	24.83	304.09	16.57	45.39
				16QAM	23.66	232.27	15.64	36.64
				64QAM	22.42	174.58		
				256QAM	20.17	103.99		
			CP-OFDM	QPSK	23.48	222.84		
	668.00 ~ 693.00	10	DFT-s OFDM	π/2 BPSK	24.84	304.79		
				QPSK	24.82	303.39	**16.59**	**45.60**
				16QAM	23.60	229.09	15.58	36.14
				64QAM	22.48	177.01		
				256QAM	19.83	96.16		
			CP-OFDM	QPSK	23.39	218.27		
	665.50 ~ 695.50	5	DFT-s OFDM	π/2 BPSK	24.91	309.74		
				QPSK	**24.92**	**310.46**	16.35	43.15
				16QAM	23.70	234.42	15.57	36.06
				64QAM	22.50	177.83		
				256QAM	20.04	100.93		
			CP-OFDM	QPSK	23.47	222.33		

NR Band n77(PC2, 3450-3550 MHz)

FCC Part 27								
Band	Frequency Range	BandWidth	Modulation	Mode	Conducted (ANT E)		Radiated (ANT E)	
	[MHz]	[MHz]			Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n77	3499.98	100	DFT-s OFDM	π/2 BPSK	24.95	312.61		
				QPSK	24.97	314.05	25.32	340.41
				16QAM	24.74	297.85	24.36	272.90
				64QAM	22.54	179.47		
				256QAM	20.24	105.68		
			CP-OFDM	QPSK	24.63	290.40		
	3495.00 ~ 3504.99	90	DFT-s OFDM	π/2 BPSK	25.87	386.37		
				QPSK	25.90	389.05	25.36	343.56
				16QAM	24.78	300.61	24.44	277.97
				64QAM	23.46	221.82		
				256QAM	21.20	131.83		
			CP-OFDM	QPSK	24.41	276.06		
	3490.02 ~ 3510.00	80	DFT-s OFDM	π/2 BPSK	25.80	380.19		
				QPSK	25.82	381.94	25.28	337.29
				16QAM	24.74	297.85	24.45	278.61
				64QAM	23.24	210.86		
				256QAM	21.08	128.23		
			CP-OFDM	QPSK	24.39	274.79		
	3485.01 ~ 3514.98	70	DFT-s OFDM	π/2 BPSK	25.67	368.98		
				QPSK	25.66	368.13	25.35	342.77
				16QAM	24.68	293.76	24.45	278.61
				64QAM	23.23	210.38		
				256QAM	21.10	128.82		
			CP-OFDM	QPSK	24.32	270.40		
	3480.00 ~ 3519.99	60	DFT-s OFDM	π/2 BPSK	25.72	373.25		
				QPSK	25.81	381.07	25.23	333.43
				16QAM	24.60	288.40	24.18	261.82
				64QAM	23.19	208.45		
				256QAM	20.91	123.31		
			CP-OFDM	QPSK	24.32	270.40		
	3475.02 ~ 3525.00	50	DFT-s OFDM	π/2 BPSK	25.91	389.94		
				QPSK	**25.92**	**390.84**	25.38	345.14
				16QAM	24.82	303.39	24.53	283.79
				64QAM	23.40	218.78		
				256QAM	21.18	131.22		
			CP-OFDM	QPSK	24.45	278.61		
	3470.01 ~ 3529.98	40	DFT-s OFDM	π/2 BPSK	25.75	375.84		
				QPSK	25.72	373.25	25.38	345.14
				16QAM	24.59	287.74	24.49	281.19
				64QAM	23.20	208.93		
				256QAM	20.90	123.03		
			CP-OFDM	QPSK	24.31	269.77		
	3465.00 ~ 3535.02	30	DFT-s OFDM	π/2 BPSK	25.71	372.39		
				QPSK	25.78	378.44	25.81	381.07
				16QAM	24.50	281.84	24.72	296.48
				64QAM	23.35	216.27		
				256QAM	20.98	125.31		
			CP-OFDM	QPSK	24.37	273.53		
n77	3462.51 ~ 3527.48	25	DFT-s OFDM	π/2 BPSK	25.76	376.70		
				QPSK	25.77	377.57	25.87	386.37
				16QAM	24.67	293.09	24.91	309.74
				64QAM	23.28	212.81		
				256QAM	21.01	126.18		
			CP-OFDM	QPSK	24.32	270.40		
	3460.02 ~ 3540.00	20	DFT-s OFDM	π/2 BPSK	25.47	352.37		
				QPSK	25.55	358.92	25.73	374.11
				16QAM	24.50	281.84	24.65	291.74
				64QAM	23.09	203.70		
				256QAM	20.79	119.95		
			CP-OFDM	QPSK	24.19	262.42		
	3457.50 ~ 3542.49	15	DFT-s OFDM	π/2 BPSK	25.45	350.75		
				QPSK	25.44	349.95	25.81	381.07
				16QAM	24.43	277.33	24.91	309.74
				64QAM	23.02	200.45		
				256QAM	20.80	120.23		
			CP-OFDM	QPSK	24.02	252.35		
	3455.01 ~ 3544.98	10	DFT-s OFDM	π/2 BPSK	25.52	356.45		
				QPSK	25.45	350.75	**25.93**	**391.74**
				16QAM	24.57	286.42	24.83	304.09
				64QAM	22.98	198.61		
				256QAM	20.77	119.40		
			CP-OFDM	QPSK	24.18	261.82		

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

FCC Part 27						
Band	Frequency Range [MHz]	BandWidth [MHz]	Conducted (ANT C)		Radiated (ANT C)	
			Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n77	3499.98	100	19.64	92.04		
	3495.00 ~ 3504.99	90	19.55	90.16		
	3490.02 ~ 3510.00	80	19.56	90.36		
	3485.01 ~ 3514.98	70	19.55	90.16		
	3480.00 ~ 3519.99	60	19.53	89.74		
	3475.02 ~ 3525.00	50	**19.72**	**93.76**	**17.39**	**54.83**
	3470.01 ~ 3529.98	40	19.58	90.78		
	3465.00 ~ 3535.02	30	19.55	90.16		
	3462.51 ~ 3537.48	25	19.51	89.33		
	3460.02 ~ 3540.00	20	19.59	90.99		
	3457.50 ~ 3542.49	15	19.49	88.92		
	3455.01 ~ 3549.99	10	19.68	92.90		

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

FCC Part 27						
Band	Frequency Range [MHz]	BandWidth [MHz]	Conducted (ANT F)		Radiated (ANT F)	
			Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n77	3499.98	100	25.35	342.77		
	3495.00 ~ 3504.99	90	25.33	341.19		
	3490.02 ~ 3510.00	80	25.34	341.98		
	3485.01 ~ 3514.98	70	25.39	345.94		
	3480.00 ~ 3519.99	60	25.44	349.95		
	3475.02 ~ 3525.00	50	**25.50**	**354.81**	**22.07**	**161.06**
	3470.01 ~ 3529.98	40	25.48	353.18		
	3465.00 ~ 3535.02	30	25.42	348.34		
	3462.51 ~ 3537.48	25	25.44	349.95		
	3460.02 ~ 3540.00	20	25.44	349.95		
	3457.50 ~ 3542.49	15	25.47	352.37		
	3455.01 ~ 3549.99	10	25.49	354.00		

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

FCC Part 27						
Band	Frequency Range [MHz]	BandWidth [MHz]	Conducted (ANT A)		Radiated (ANT A)	
			Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n77	3499.98	100	22.13	163.31		
	3495.00 ~ 3504.99	90	22.22	166.72		
	3490.02 ~ 3510.00	80	22.23	167.11		
	3485.01 ~ 3514.98	70	22.23	167.11		
	3480.00 ~ 3519.99	60	22.25	167.88		
	3475.02 ~ 3525.00	50	**22.27**	**168.66**	**16.44**	**44.06**
	3470.01 ~ 3529.98	40	22.18	165.20		
	3465.00 ~ 3535.02	30	22.21	166.34		
	3462.51 ~ 3537.48	25	22.25	167.88		
	3460.02 ~ 3540.00	20	22.14	163.68		
	3457.50 ~ 3542.49	15	22.13	163.31		
	3455.01 ~ 3549.99	10	22.11	162.55		

NR Band n77(PC2, 3700-3980 MHz)

FCC Part 27								
Band	Frequency Range	BandWidth	Modulation	Mode	Conducted (ANT E)		Radiated (ANT E)	
	[MHz]	[MHz]			Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n77	3750.00 ~ 3930.00	100	DFT-s OFDM	π/2 BPSK	25.00	316.23		
				QPSK	25.10	323.59	26.29	425.60
				16QAM	25.19	330.37	25.19	330.37
				64QAM	22.66	184.50		
				256QAM	20.34	108.14		
			CP-OFDM	QPSK	24.70	295.12		
	3745.02 ~ 3934.98	90	DFT-s OFDM	π/2 BPSK	25.82	381.94		
				QPSK	25.82	381.94	26.75	473.15
				16QAM	24.82	303.39	25.85	384.59
				64QAM	23.29	213.30		
				256QAM	21.11	129.12		
			CP-OFDM	QPSK	24.33	271.02		
	3740.01 ~ 3939.99	80	DFT-s OFDM	π/2 BPSK	25.92	390.84		
				QPSK	25.93	391.74	26.79	477.53
				16QAM	24.80	302.00	25.86	385.48
				64QAM	23.43	220.29		
				256QAM	21.23	132.74		
			CP-OFDM	QPSK	24.42	276.69		
	3735.02 ~ 3944.98	70	DFT-s OFDM	π/2 BPSK	25.73	374.11		
				QPSK	25.71	372.39	26.82	480.84
				16QAM	24.76	299.23	25.96	394.46
				64QAM	23.31	214.29		
				256QAM	21.11	129.12		
			CP-OFDM	QPSK	24.41	276.06		
	3730.02 ~ 3949.98	60	DFT-s OFDM	π/2 BPSK	25.75	375.84		
				QPSK	25.74	374.97	26.86	485.29
				16QAM	24.68	293.76	25.72	373.25
				64QAM	23.29	213.30		
				256QAM	21.04	127.06		
			CP-OFDM	QPSK	24.31	269.77		
	3725.01 ~ 3954.99	50	DFT-s OFDM	π/2 BPSK	25.93	391.74		
				QPSK	**25.95**	**393.55**	26.88	487.53
				16QAM	24.84	304.79	26.01	399.02
				64QAM	23.37	217.27		
				256QAM	21.15	130.32		
			CP-OFDM	QPSK	24.43	277.33		
	3720.02 ~ 3960.0	40	DFT-s OFDM	π/2 BPSK	25.83	382.82		
				QPSK	25.87	386.37	26.51	447.71
				16QAM	24.70	295.12	25.69	370.68
				64QAM	23.30	213.80		
				256QAM	21.09	128.53		
			CP-OFDM	QPSK	24.35	272.27		
	3715.02 ~ 3964.98	30	DFT-s OFDM	π/2 BPSK	25.74	374.97		
				QPSK	25.76	376.70	26.51	447.71
				16QAM	24.73	297.17	25.50	354.81
				64QAM	23.14	206.06		
				256QAM	20.95	124.45		
			CP-OFDM	QPSK	24.30	269.15		
n77	3712.50 ~ 3967.50	25	DFT-s OFDM	π/2 BPSK	25.81	381.07		
				QPSK	25.82	381.94	**27.11**	**514.04**
				16QAM	24.73	297.17	26.10	407.38
				64QAM	23.30	213.80		
				256QAM	20.75	118.85		
			CP-OFDM	QPSK	23.91	246.04		
	3710.01 ~ 3969.99	20	DFT-s OFDM	π/2 BPSK	25.41	347.54		
				QPSK	25.39	345.94	26.60	457.09
				16QAM	24.30	269.15	25.73	374.11
				64QAM	22.91	195.43		
				256QAM	20.75	118.85		
			CP-OFDM	QPSK	23.91	246.04		
	3707.52 ~ 3972.48	15	DFT-s OFDM	π/2 BPSK	25.40	346.74		
				QPSK	25.37	344.35	26.79	477.53
				16QAM	24.39	274.79	25.91	389.94
				64QAM	23.01	199.99		
				256QAM	20.83	121.06		
			CP-OFDM	QPSK	23.95	248.31		
	3705.00 ~ 3975.00	10	DFT-s OFDM	π/2 BPSK	25.44	349.95		
				QPSK	25.32	340.41	26.63	460.26
				16QAM	24.30	269.15	25.72	373.25
				64QAM	23.11	204.64		
				256QAM	20.76	119.12		
			CP-OFDM	QPSK	23.84	242.10		

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

FCC Part 27						
Band	Frequency Range [MHz]	BandWidth [MHz]	Conducted (ANT C)		Radiated (ANT C)	
			Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n77	3750.00 ~ 3930.00	100	18.05	63.83		
	3745.02 ~ 3934.98	90	18.11	64.71		
	3740.01 ~ 3939.99	80	18.21	66.22		
	3735.02 ~ 3944.98	70	18.25	66.83		
	3730.02 ~ 3949.98	60	18.35	68.39		
	3725.01 ~ 3954.99	50	18.42	69.50		
	3720.02 ~ 3960.00	40	18.41	69.34		
	3715.02 ~ 3964.98	30	**18.53**	**71.29**	**18.02**	**63.39**
	3712.50 ~ 3967.50	25	18.46	70.15		
	3710.01 ~ 3969.99	20	18.51	70.96		
	3707.52 ~ 3972.48	15	18.43	69.66		
	3705.00 ~ 3975.00	10	18.35	68.39		

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

FCC Part 27						
Band	Frequency Range [MHz]	BandWidth [MHz]	Conducted (ANT F)		Radiated (ANT F)	
			Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n77	3750.00 ~ 3930.00	100	25.44	349.95		
	3745.02 ~ 3934.98	90	25.41	347.54		
	3740.01 ~ 3939.99	80	25.41	347.54		
	3735.02 ~ 3944.98	70	25.46	351.56		
	3730.02 ~ 3949.98	60	25.55	358.92		
	3725.01 ~ 3954.99	50	**25.63**	**365.59**	**23.42**	**219.79**
	3720.02 ~ 3960.00	40	25.61	363.92		
	3715.02 ~ 3964.98	30	25.56	359.75		
	3712.50 ~ 3967.50	25	25.48	353.18		
	3710.01 ~ 3969.99	20	25.41	347.54		
	3707.52 ~ 3972.48	15	25.35	342.77		
	3705.00 ~ 3975.00	10	25.31	339.63		

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

FCC Part 27						
Band	Frequency Range [MHz]	BandWidth [MHz]	Conducted (ANT A)		Radiated (ANT A)	
			Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n77	3750.00 ~ 3930.00	100	21.02	126.47		
	3745.02 ~ 3934.98	90	21.05	127.35		
	3740.01 ~ 3939.99	80	21.12	129.42		
	3735.02 ~ 3944.98	70	20.22	105.20		
	3730.02 ~ 3949.98	60	20.19	104.47		
	3725.01 ~ 3954.99	50	21.14	130.02		
	3720.02 ~ 3960.0	40	21.22	132.43		
	3715.02 ~ 3964.98	30	21.25	133.35		
	3712.50 ~ 3967.50	25	**21.38**	**137.40**	**20.40**	**109.65**
	3710.01 ~ 3969.99	20	21.35	136.46		
	3707.52 ~ 3972.48	15	21.28	134.28		
	3705.00 ~ 3975.00	10	21.31	135.21		

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)	Antenna	Peak Gain (dBi/dBd)
LTE Band 4 / LTE Band 66 / NR Band n66 1710 - 1780 MHz	B	-1.8
	E	-4.2
LTE Band 38, 41 / NR Band n38, n41 2496 - 2690 MHz	B	-1.7
	E	-4.5
LTE Band 7 / n7 2500 - 2570 MHz	B	-1.7
	E	-4.4
NR Band n41 2496 - 2690 MHz	E	-4.5
	B	-1.7
	G	-6.2
	C	-6.5
LTE Band 12 / NR Band n12 699 - 716 MHz	A+B	-6.0
	A	-5.4
	D	-5.2
LTE Band 13 777 - 787 MHz	A+B	-4.1
	A	-4.9
	D	-5.4
LTE Band 30 / NR Band n30 2305 - 2315 MHz	B	-2.5
	E	-4.8
NR Band n70 1698 - 1710 MHz	B	-0.8
	E	-4.2
LTE Band 71 / NR Band n71 663 – 698 MHz	A+B	-5.5
	A	-6.3
	D	-5.0
NR Band n77 / n78 3450-3550 MHz	E	-3.5
	C	-2.7
	F	-5.4
	A	-4.0
NR Band n77 / n78 3700-3980 MHz	E	-3.5
	C	-2.7
	F	-5.4
	A	-4.0

5.4. WORST-CASE ORIENTATION

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

- UMTS REL 99/HSDPA
- 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. It was found QPSK and 16QAM results were worst case.

- As for the Antenna Switches supported AFS (Adaptive Frame Switching) and ASDiv (Antenna Switching Diversity) Tx Hopping Algorithm.

Band	Antenna Switching
WCDMA B4	**Tx Hopping**
LTE B7	
LTE B30	
LTE B66	
LTE B41(PC2)	
LTE B12	**AFS (Adaptive Frame Switching), ASDiv (Antenna Switching Diversity)**
LTE B13	
LTE B71	

- 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 QPSK and 16QAM results were worst case.

  NSA and SA and Antenna Switching were tested. Worst case reported both SA and Antenna Switching. So the test case is as below.

NR Band	NSA	SA	Antenna Switching
n7		**Stand Alone**	**Tx Hopping**
n12	LTE B2, B48, B66	**Stand Alone**	**AFS, ASDiv**
n30		**Stand Alone**	**Tx Hopping**
n66	LTE B2, B5, B12, B13	**Stand Alone**	**Tx Hopping**
n41(PC2)	LTE B4, B12, B66	**Stand Alone**	
n41(PC2) SA Switching		**Stand Alone**	**Tx Hopping**
n70		**Stand Alone**	**Tx Hopping**
n71	LTE B2, B48, B66	**Stand Alone**	**AFS, ASDiv**
n77	LTE B2, B5, B12, B13, B25, B66	**Stand Alone**	

- It was tested for all rf ports and 'Main ANT conducted output power test' is higher than 'Sub ANT conducted output power test', so we reported with 'Main ANT'.
  (WCDMA B4, LTE B13, LTE B30, LTE B66, LTE B71, NR n7, NR n30, NR n41, NR n66, NR n70)
- It was tested for all rf ports and 'Sub ANT' conducted output power test' is higher than 'Main ANT conducted output power test', so we reported with 'Sub ANT'
  (LTE B12, LTE B41, LTE B41C, LTE B66B, LTE B66C, NR n12, NR n71)
- So the test case is as below.

Band	Main ANT	Tune up Limit (dBm)	Sub ANT	Tune up Limit (dBm)
WCDMA B4	**B**	**24.5**		
LTE B7	**B**	**24.0**	E	24.0
LTE B12	A	25.2	**D**	**25.2**
LTE B13	**A**	**25.2**	D	25.2
LTE B30	**B**	**24.0**	E	24.0
LTE B41(PC2)	B	26.5	**E**	**26.5**
LTE B41C(PC2) ULCA	B	26.5	**E**	**26.5**
LTE B66	**B**	**25.0**	E	25.0
LTE B66B	B	25.0	**E**	**25.0**
LTE B66C	B	25.0	**E**	**25.0**
LTE B71	**A**	**25.2**	D	25.2
NR n7	**B**	**24.0**	E	24.0
NR n12	A	25.0	**D**	**25.0**
NR n30	**B**	**23.5**	E	23.5
NR n41(PC2)	**E**	**27.0**	**B**	26.0
			SRS 1,2,3	-
NR n66	**B**	**24.5**	E	24.5
NR n70	**B**	**24.0**	E	24.0
NR n71	A	25.0	**D**	**25.0**
NR n77	**E**	**27.0**	SRS 1,2,3	-

Test Item	Test case antenna & port
Conducted output power	All
RF port test	All (Worst case reported)
ERP / EIRP	All
Radiated Spurious Emissions	All

UL KOREA LTD. Suwon Laboratory FORM ID: FCC_27(05)
218 Maeyeong-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16675, Korea TEL: (031) 337-9902 FAX: (031) 213-5433

- Conducted Spurious Emission

Highest conducted output power setting for each bands					
LTE Band	**ANT**	**Frequency (MHz)**	**Bandwidth (MHz)**	**RB size**	**RB offset**
7	B	2502.50	5	1	12
		2535.00		1	12
		2567.50		1	12
12	D	701.50	5	1	12
		707.50		1	0
		713.50		1	12
13	A	779.50	5	1	0
		782.00		1	12
		784.50		1	12
30	B	2307.50	5	1	12
		2310.00		1	12
		2312.50		1	12
41(PC2)	E	2501.00	10	1	25
		2593.00		1	0
		2685.00		1	0
66	B	1711.50	3	1	8
		1745.00		1	8
		1778.50		1	8
71	A	665.50	5	1	0
		680.50		1	12
		695.50		1	0
NR Band	**ANT**	**Frequency (MHz)**	**Bandwidth (MHz)**	**RB size**	**RB offset**
7	B	2520.00	40	1	214
		2535.00		1	1
		2550.00		1	1
12	E	701.50	5	1	12
		707.50		1	12
		713.50		1	12
30	B	2310.00	10	1	1
41(PC2, SA)	E	2511.00	30	1	76
		2592.99		1	1
		2674.98		1	1
66	B	1717.50	15	1	1
		1745.00		1	1
		1772.50		1	39
70	B	1697.50	5	1	1
		1702.50		1	1
		1707.50		1	12
71	E	665.50	5	1	12
		680.50		1	1
		695.50		1	1
77(PC2) (3450-3550 MHz	E	3475.02	50	1	1
		3499.98		1	1
		3525.00		1	1
77(PC2) (3700-3980 MHz)	E	3725.01	50	1	1
		3840.00		1	1
		3954.99		1	67

- Uplink CA Conducted Spurious Emission

Highest conducted output power setting for each bands						
LTE Band	**ANT**	**Component Carrier**	**Frequency (MHz)**	**Bandwidth (MHz)**	**RB size**	**RB offset**
66B	E	PCC	1715.0	10+10	1	49
		SCC	1724.9		1	0
		PCC	1740.1		1	49
		SCC	1750.0		1	0
		PCC	1765.1		1	49
		SCC	1775.0		1	0
66C	E	PCC	1720.0	20+20	1	99
		SCC	1739.8		1	0
		PCC	1735.0		1	99
		SCC	1754.9		1	0
		PCC	1750.2		1	99
		SCC	1770.0		1	0
41C(PC2)	E	PCC	2506.0	20+20	1	99
		SCC	2525.8		1	0
		PCC	2583.1		1	99
		SCC	2602.9		1	0
		PCC	2660.2		1	99
		SCC	2680.0		1	0

- Radiated Spurious Emission

Highest radiated output power setting for each bands					
LTE Band	**ANT**	**Frequency (MHz)**	**Bandwidth (MHz)**	**RB size**	**RB offset**
7	B	2502.50	5	1	12
		2535.00		1	12
		2567.50		1	12
	E	2510.00	20	1	49
		2535.00		1	99
		2560.00		1	99
12	A+B	704.00	10	1	0
		707.50		1	0
		711.00		1	0
	A	700.50	3	1	8
		707.50		1	8
		714.50		1	8
	D	704.00	10	1	0
		707.50		1	0
		711.00		1	25
13	A+B	779.50	5	1	0
		782.00		1	12
		784.50		1	12
	A	779.50	5	1	0
		782.00		1	12
		784.50		1	12
	D	779.50	5	1	12
		782.00		1	12
		784.50		1	12
30	B	2307.50	5	1	1
		2310.00		1	1
		2312.50		1	23
	E	2307.50	5	1	0
		2310.00		1	12
		2312.50		1	0
41(PC2)	B	2501.00	10	1	22
		2593.00		1	22
		2685.00		1	1
	E	2506.00	20	1	99
		2593.00		1	0
		2680.00		1	49
66	B	1711.50	3	1	8
		1745.00		1	8
		1778.50		1	8
	E	1711.50	3	1	8
		1745.00		1	8
		1778.50		1	8
71	A+B	673.00	20	1	0
		680.50		1	0
		688.00		1	0
	A	673.00	20	1	0
		680.50		1	0
		688.00		1	0
	D	673.00	20	1	0
		680.50		1	0
		688.00		1	0

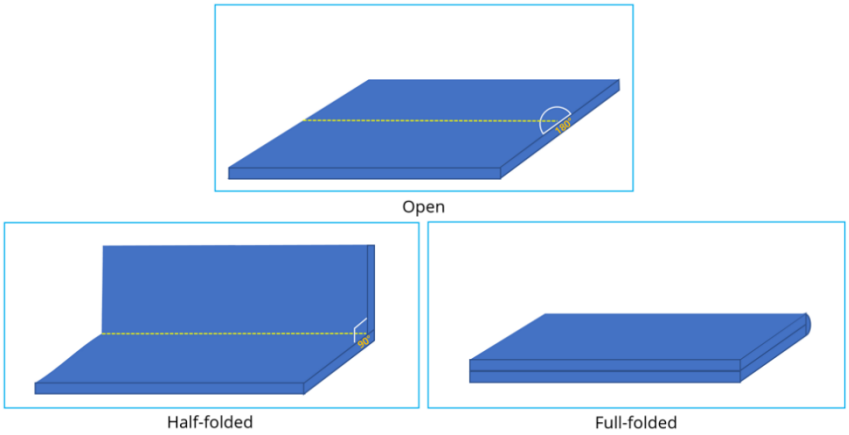
Highest radiated output power setting for each bands					
NR Band	**ANT**	**Frequency (MHz)**	**Bandwidth (MHz)**	**RB size**	**RB offset**
7	B	2520.00	40	1	107
		2535.00		1	1
		2550.00		1	1
	E	2512.50	25	1	66
		2535.00		1	1
		2557.50		1	131
12	A+B	706.50	15	1	1
		707.50		1	1
		708.50		1	1
	A	706.50	15	1	1
		707.50		1	1
		708.50		1	1
	D	704.00	10	1	1
		707.50		1	1
		711.00		1	50
30	B	2307.50	5	1	1
		2310.00		1	1
		2312.50		1	23
	E	2310.00	10	1	1
41(PC2, SA)	B	2501.01	10	1	22
		2592.99		1	22
		2685.00		1	1
	E	2546.01	100	1	271
		2592.99		1	1
		2640.00		1	1
66	B	1727.50	35	1	1
		1745.00		1	1
		1762.50		1	93
	E	1722.50	25	1	1
		1745.00		1	131
		1767.50		1	131
70	B	1700.00	10	1	1
		1702.50		1	1
		1705.00		1	1
	E	1700.00	10	1	1
		1702.50		1	25
		1705.00		1	1
71	A+B	668.00	10	1	50
		680.50		1	25
		693.00		1	1
	A	673.00	20	1	52
		680.50		1	52
		688.00		1	1
	D	668.00	10	1	1
		680.50		1	1
		693.00		1	1
77(PC2) (3450-3550 MHz	E	3455.01	10	1	1
		3499.98		1	1
		3544.98		1	22
77(PC2) (3700-3980 MHz)	E	3712.50	25	1	32
		3840.00		1	32
		3967.50		1	32

UL KOREA LTD. Suwon Laboratory FORM ID: FCC_27(05)
218 Maeyeong-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16675, Korea TEL: (031) 337-9902 FAX: (031) 213-5433

- Uplink CA Radiated Spurious Emission

Highest radiated output power setting for each bands						
LTE Band	**ANT**	**Component Carrier**	**Frequency (MHz)**	**Bandwidth (MHz)**	**RB size**	**RB offset**
66B	B	PCC	1715.0	10+10	1	49
		SCC	1724.9		1	0
		PCC	1740.1		1	49
		SCC	1750.0		1	0
		PCC	1765.1		1	49
		SCC	1775.0		1	0
	E	PCC	1715.0	10+10	1	49
		SCC	1724.9		1	0
		PCC	1740.1		1	49
		SCC	1750.0		1	0
		PCC	1765.1		1	49
		SCC	1775.0		1	0
66C	B	PCC	1720.0	20+20	1	99
		SCC	1739.8		1	0
		PCC	1735.0		1	99
		SCC	1754.9		1	0
		PCC	1750.2		1	99
		SCC	1770.0		1	0
	E	PCC	1720.0	20+20	1	99
		SCC	1739.8		1	0
		PCC	1735.0		1	99
		SCC	1754.9		1	0
		PCC	1750.2		1	99
		SCC	1770.0		1	0
41C(PC2)	B	PCC	2506.0	20+20	1	99
		SCC	2525.8		1	0
		PCC	2583.1		1	99
		SCC	2602.9		1	0
		PCC	2660.2		1	99
		SCC	2680.0		1	0
	E	PCC	2506.0	20+20	1	99
		SCC	2525.8		1	0
		PCC	2583.1		1	99
		SCC	2602.9		1	0
		PCC	2660.2		1	99
		SCC	2680.0		1	0

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	Full-folded	-	-
LTE B7	B	Open	-	-	-	-	Open
	E	Half-folded	-	-	Full-folded	-	-
LTE B12	A+B	Open	-	-	-	Open	-
	A	Full-folded	-	-	-	-	Full-folded
	D	Open	-	-			
LTE B13	A+B	Open	-	-	-	Open	-
	A	Full-folded	-	-	-	Full-folded	-
	D	Open					
LTE B30	B	Open	-	-	-	Full-folded	-
	E	-	Half-folded	-	-	Full-folded	-
LTE B41(PC2)	B	Open	-	-	-	-	Open
	E	Half-folded	-	-	-	Open	-
LTE B41C(PC2)	B	Open	-	-	-	-	Open
	E	Half-folded	-	-	Full-folded	-	-
LTE B66	B	-	-	Open	-	Open	-
	E	Open	-	-	Half-folded	-	-
LTE B66B	B	Open	-	-	-	Half-folded	-
	E	-	-	Open	Open	-	-
LTE B66C	B	-	-	Open	-	Half-folded	-
	E	-	-	Open	-	-	Half-folded
LTE B71	A+B	Open	-	-	-	-	Half-folded
	A	Full-folded	-	-	Full-folded	-	-
	D	Open					

NR n7	B	Open	-	-	-	-	Half-folded
	E	Half-folded	-	-	-	Full-folded	-
NR n12	A+B	Open	-	-	-	-	Full-folded
	A	Full-folded	-	-	-	Full-folded	-
	D	Open					
NR n30	B	Open	-	-	-	-	Open
	E	-	Half-folded	-	-	-	Half-folded
NR n41(PC2, SA)	E	-	Half-folded	-	-	Open	
	B(SRS1)	-	Half-folded	-	-	-	Full-folded
	G(SRS2)	-	Open	-	-	Open	-
	C(SRS3)	-	Half-folded	-	-	Full-folded	-
NR n41(PC2,SA) switching	B	Open	-	-	Full-folded	-	-
	E(SRS1)	Half-folded	-	-	-	Half-folded	-
	C(SRS2)	-	-	Half-folded	-	-	Half-folded
	G(SRS3)	-	Open	-	Half-folded	-	-
NR n66	B	Open	-	-	Half-folded	-	-
	E	Open	-	-	-	-	Full-folded
NR n70	B	Open	-	-	Full-folded	-	
	E	Open	-	-	Full-folded	-	
NR n71	A+B	Open	-	-	-	-	Open
	A	Full-folded	-	-	-	Full-folded	-
	D	Open					
NR n77 (3450-3550 MHz)	E	Open	-	-	Open	-	-
	C(SRS1)	Half-folded	-	-	Open	-	-
	F(SRS2)	-	-	Open	-	Half-folded	-
	A(SRS3)	-	-	Half-folded	-	-	Open
NR n77 (3700-3980 MHz)	E	Open	-	-	-	-	Open
	C(SRS1)	Open	-	-	-	Open	-
	F(SRS2)	Open	-	-	Open	-	-
	A(SRS3)	Half-folded	-	-	Half-folded	-	-

Note1 : For the 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.

Note2 : The EUT supported wireless charging capability. For the radiated spurious testing were performed on wireless charging pad. The worst case is shown in this report.

Note3 : Antenna switching-related actions according to foldable conditions were force operated and tested in factory mode.

LTE Band 4 (ANT B) (ANT E)
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 (ANT B) (ANT E)
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) (ANT B) (ANT E)
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 (ANT E) (ANT B)
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(NSA, PC2) (ANT E)
NR Band 41(NSA, PC2, Frequency range : 2496-2690 MHz) is covered by NR Band 41(SA, PC2) (Frequency range: 2496-2690 MHz)) due to same frequency range, same channel bandwidthand maximum tune-up limit is higher than NR Band 41(NSA).

NR Band 78(PC2) (ANT E)
NR Band 78(PC2, Frequency range : 3450-3550 MHz, 3700-3800 MHz) is covered by NR Band 77(PC2, Frequency range : 3450-3550 MHz, 3700-3980 MHz)) due to overlapping frequency range, same maximum tune-up limit and same channel bandwidth.

NR Band 41(NSA, PC2, SRS 1, 2, 3) (ANT B, ANT G, ANT C)
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 78(PC2, SRS 1, 2, 3) (ANT C, ANT F, ANT A)
NR Band 78(PC2, Frequency range : 3450-3550 MHz, 3700-3800 MHz) is covered by NR Band 77(PC2, Frequency range : 3450-3550 MHz, 3700-3980 MHz)) due to overlapping frequency range, same maximum tune-up limit and same channel bandwidth.

5.5. DESCRIPTION OF TEST SETUP

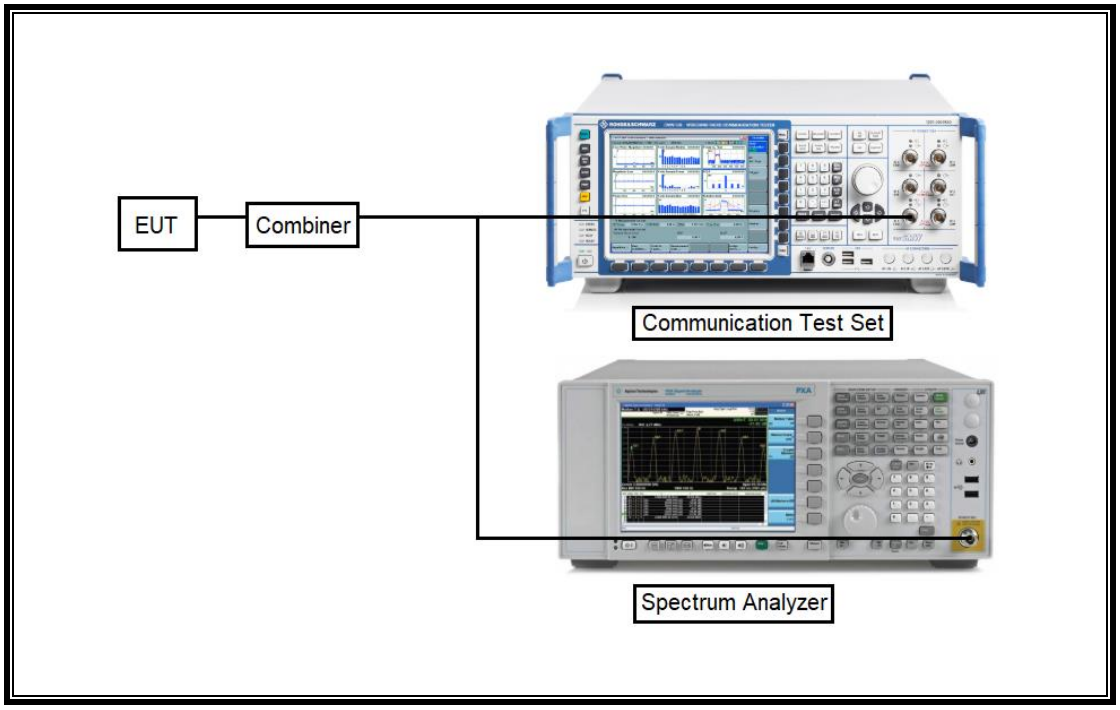
SUPPORT EQUIPMENT

Support Equipment List				
Description	**Manufacture**	**Model**	**Serial Number**	**FCC ID**
Charger	SAMSUNG	EP-TA800	R37N9QP6H39DK3	N/A
Data Cable	SAMSUNG	EP-DN980	GH39-02111A	N/A
Wireless Charger	SAMSUNG	EP-N5200	RF7T20401XMCIS	A3LEPN5200
Wireless Charger	SAMSUNG	EP-P5400	RF7W800BH1CWSB	A3LEPP5400

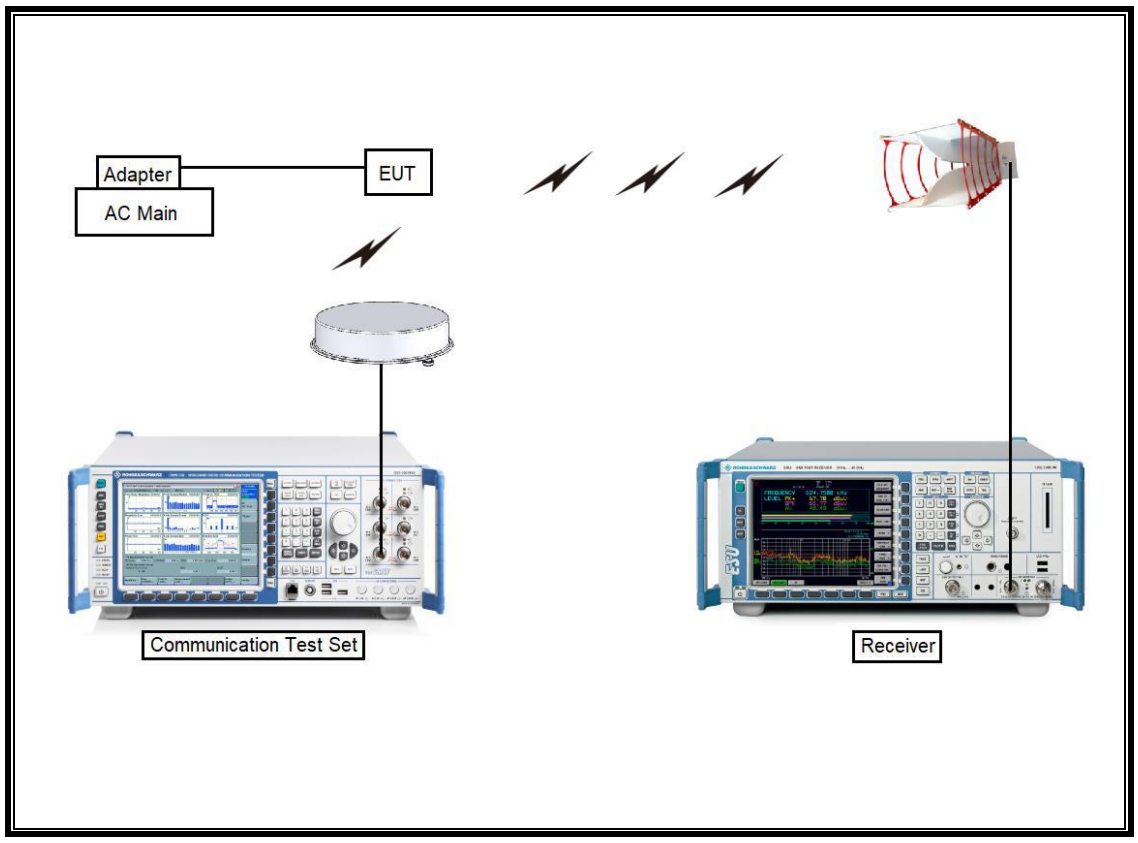
I/O CABLE

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

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	00166155	2024-08-02
Antenna, Horn, 40 GHz	ETS	3116C	00168645	2025-10-05
Preamplifier	ETS	3115-PA	00167475	2024-07-25
Preamplifier	ETS	3116C-PA	00168841	2024-07-25
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	00167211	2024-08-04
Antenna, Horn, 18 GHz	ETS	3115	00161451	2024-08-21
Antenna, Horn, 18 GHz	ETS	3117	00168724	2024-08-04
Antenna, Horn, 18 GHz	ETS	3117	00168717	2024-08-21
Communications Test Set	R&S	CMW500	169797	2024-07-23
DC Power Supply	Agilent / HP	E3640A	MY54226395	2024-07-24
Preamplifier, 1000 MHz	Sonoma	310N	341282	2024-07-24
Preamplifier, 1000 MHz	Sonoma	310N	370599	2024-07-24
Preamplifier, 1000 MHz	Sonoma	310N	351741	2024-07-24
Preamplifier, 18 GHz	Miteq	AFS42-00101800-25-S-42	2029169	2024-07-24
Preamplifier, 18 GHz	Miteq	AFS42-00101800-25-S-42	1896138	2024-07-25
Spectrum Analyzer, 44 GHz	Agilent / HP	N9030A	MY54170614	2024-07-25
Spectrum Analyzer, 44 GHz	Agilent / HP	N9030A	MY54490312	2024-07-24
Spectrum Analyzer, 44 GHz	KEYSIGHT	N9030B	MY57143717	2024-07-24
EMI Test Receive, 40 GHz	R&S	ESU40	100439	2024-07-23
EMI Test Receive, 40 GHz	R&S	ESU40	100457	2024-07-24
High Pass Filter 1.2GHz	Micro-Tronics	HPM50108-02	G005	2024-07-23
High Pass Filter 1.2GHz	Micro-Tronics	HPM50108-02	G006	2024-07-23
High Pass Filter 2.8GHz	Micro-Tronics	HPM50111-02	010	2024-07-24
High Pass Filter 2.8GHz	Micro-Tronics	HPM50111-02	011	2024-07-24
High Pass Filter 4GHz	Micro-Tronics	HPM50118-02	G001	2024-07-24
High Pass Filter 4GHz	Micro-Tronics	HPM50118-02	G002	2024-07-24
Attenuator	PASTERNACK	PE7087-10	A009	2024-07-24
Attenuator	PASTERNACK	PE7087-10	A001	2024-07-24
Attenuator	PASTERNACK	PE7087-10	A008	2024-07-27
Attenuator	PASTERNACK	PE7004-10	2	2024-07-23
Attenuator	PASTERNACK	PE7395-10	A011	2024-07-25
Antenna, Loop, 9kHz-30MHz	R&S	HFH2-Z2	100418	2025-09-06
Temperature Chamber	ESPEC	SH-642	93001109	2024-07-24
Power Splitter	MINI-CIRCUITS	WA1534	UL003	2025-01-02
Power Splitter	MINI-CIRCUITS	WA1534	UL004	2025-01-02
UXM 5G Wireless Test Platform	KEYSIGHT	E7515B	MY57510655	2025-01-03

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 Results
2.1046	Conducted Output Power	N/A	Conducted	Pass
2.1049	Occupied Bandwidth (99%)	N/A		Pass
27.53(c),(g),(h), 27.53(l)(2), 27.53(n)(2)	Conducted Band Edge / Conducted Spurious Emission	-13 dBm		Pass
27.53(m)		-25 dBm		Pass
27.53(a),(m)	Emission Mask	Section 9.2.2		Pass
27.54	Frequency Stability	2.5 ppm		Pass
27.50(b)(10), 27.50(c)(10)	Effective Radiated Power	34.77 dBm	Radiated	Pass
27.50(h)(2)	Effective Isotropic Radiated Power	33 dBm		Pass
27.50(a)(3)		24 dBm		Pass
27.50(j)(3), 27.50(k)(3), 27.50(d)(4)		30 dBm		Pass
27.53(c),(g)(h)	Radiated Spurious Emission	-13 dBm		Pass
27.53(f)		-40 dBm		Pass
27.53(m) 27.53(l)(2), 27.53(n)(2)		-25 dBm		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 (ANT B)

Mode		UL Ch No.	Freq. (MHz)	Maximum Allowed Average Power (dBm)		
				Pmax / DSI = 3		
				Measured Pwr	MPR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	1312	1712.4	23.63	N/A	24.5
		1413	1732.6	23.41		
		1513	1752.6	23.43		
HSDPA	Subtest 1	1312	1712.4	22.67	0	23.5
		1413	1732.6	22.39		
		1513	1752.6	22.39		
	Subtest 2	1312	1712.4	22.66	0	23.5
		1413	1732.6	22.40		
		1513	1752.6	22.42		
	Subtest 3	1312	1712.4	22.10	0.5	23.0
		1413	1732.6	21.87		
		1513	1752.6	21.86		
	Subtest 4	1312	1712.4	22.15	0.5	23.0
		1413	1732.6	21.85		
		1513	1752.6	21.87		
HSUPA	Subtest 1	1312	1712.4	22.65	0	23.5
		1413	1732.6	22.44		
		1513	1752.6	22.43		
	Subtest 2	1312	1712.4	20.66	2	21.5
		1413	1732.6	20.43		
		1513	1752.6	20.45		
	Subtest 3	1312	1712.4	21.63	1	22.5
		1413	1732.6	21.41		
		1513	1752.6	21.43		
	Subtest 4	1312	1712.4	20.61	2	21.5
		1413	1732.6	20.45		
		1513	1752.6	20.46		
	Subtest 5	1312	1712.4	22.20	0	23.5
		1413	1732.6	22.02		
		1513	1752.6	22.00		
DC-HSDPA	Subtest 1	1312	1712.4	22.73	0	23.5
		1413	1732.6	22.46		
		1513	1752.6	22.47		
	Subtest 2	1312	1712.4	22.75	0	23.5
		1413	1732.6	22.46		
		1513	1752.6	22.45		
	Subtest 3	1312	1712.4	22.15	0.5	23.0
		1413	1732.6	21.90		
		1513	1752.6	21.93		
	Subtest 4	1312	1712.4	22.22	0.5	23.0
		1413	1732.6	21.93		
		1513	1752.6	21.92		

LTE Band 7 (ANT B)

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)				
				Pmax / DSI = 3				
				Measured Pwr (dBm)			MPR	Tune-up Limit
				20850	21100	21350		
				2510 MHz	2535 MHz	2560 MHz		
20 MHz	QPSK	1	0	24.39	24.45	24.19	0.0	25.0
		1	49	24.40	24.37	24.14	0.0	25.0
		1	99	24.42	24.35	24.04	0.0	25.0
		50	0	23.40	23.49	23.23	1.0	24.0
		50	24	23.48	23.46	23.21	1.0	24.0
		50	50	23.47	23.42	23.08	1.0	24.0
		100	0	23.47	23.43	23.18	1.0	24.0
	16QAM	1	0	23.88	23.87	23.42	1.0	24.0
		1	49	23.86	23.82	23.34	1.0	24.0
		1	99	23.85	23.81	23.26	1.0	24.0
		50	0	22.41	22.48	22.26	2.0	23.0
		50	24	22.50	22.48	22.26	2.0	23.0
		50	50	22.48	22.45	22.11	2.0	23.0
		100	0	22.48	22.44	22.22	2.0	23.0
	64QAM	1	0	22.79	22.66	22.40	2.0	23.0
		1	49	22.80	22.70	22.34	2.0	23.0
		1	99	22.79	22.65	22.22	2.0	23.0
		50	0	21.40	21.48	21.29	3.0	22.0
		50	24	21.48	21.50	21.26	3.0	22.0
		50	50	21.47	21.45	21.09	3.0	22.0
		100	0	21.47	21.48	21.24	3.0	22.0
	256QAM	1	0	19.56	19.47	19.38	5.0	20.0
		1	49	19.59	19.55	19.31	5.0	20.0
		1	99	19.63	19.43	19.14	5.0	20.0
		50	0	19.35	19.44	19.23	5.0	20.0
		50	24	19.45	19.45	19.22	5.0	20.0
		50	50	19.46	19.42	19.11	5.0	20.0
		100	0	19.44	19.41	19.21	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	24.46	24.45	24.31	0.0	25.0
		1	37	24.44	23.46	24.28	0.0	25.0
		1	74	24.46	24.39	24.30	0.0	25.0
		36	0	23.41	23.52	23.30	1.0	24.0
		36	20	23.51	23.51	23.30	1.0	24.0
		36	39	23.48	23.50	23.18	1.0	24.0
		75	0	23.49	23.50	23.27	1.0	24.0
	16QAM	1	0	23.56	23.70	23.48	1.0	24.0
		1	37	23.54	23.73	23.45	1.0	24.0
		1	74	23.64	23.56	23.26	1.0	24.0
		36	0	22.43	22.56	22.37	2.0	23.0
		36	20	22.53	22.56	22.33	2.0	23.0
		36	39	22.52	22.52	22.23	2.0	23.0
		75	0	22.50	22.55	22.33	2.0	23.0
	64QAM	1	0	22.57	22.60	22.40	2.0	23.0
		1	37	22.66	22.68	22.35	2.0	23.0
		1	74	22.51	22.56	22.27	2.0	23.0
		36	0	21.37	21.49	21.24	3.0	22.0
		36	20	21.48	21.47	21.25	3.0	22.0
		36	39	21.46	21.46	21.10	3.0	22.0
		75	0	21.48	21.46	21.23	3.0	22.0
	256QAM	1	0	19.45	19.61	19.30	5.0	20.0
		1	37	19.50	19.66	19.22	5.0	20.0
		1	74	19.60	19.53	19.09	5.0	20.0
		36	0	19.40	19.46	19.25	5.0	20.0
		36	20	19.49	19.48	19.21	5.0	20.0
		36	39	19.50	19.48	19.14	5.0	20.0
		75	0	19.49	19.49	19.23	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	24.16	24.47	24.31	0.0	25.0
		1	25	24.54	24.58	24.33	0.0	25.0
		1	49	24.49	24.49	24.22	0.0	25.0
		25	0	23.45	23.62	23.31	1.0	24.0
		25	12	23.57	23.57	23.36	1.0	24.0
		25	25	23.51	23.57	23.29	1.0	24.0
		50	0	23.54	23.56	23.31	1.0	24.0
	16QAM	1	0	23.62	23.74	23.38	1.0	24.0
		1	25	23.72	23.75	23.53	1.0	24.0
		1	49	23.71	23.63	23.39	1.0	24.0
		25	0	22.47	22.59	22.36	2.0	23.0
		25	12	22.55	22.58	22.39	2.0	23.0
		25	25	22.53	22.58	22.32	2.0	23.0
		50	0	22.54	22.55	22.33	2.0	23.0
	64QAM	1	0	22.65	22.71	22.42	2.0	23.0
		1	25	22.70	22.71	22.35	2.0	23.0
		1	49	22.66	22.64	22.34	2.0	23.0
		25	0	21.43	21.53	21.30	3.0	22.0
		25	12	21.52	21.55	21.28	3.0	22.0
		25	25	21.47	21.51	21.26	3.0	22.0
		50	0	21.46	21.52	21.26	3.0	22.0
	256QAM	1	0	19.52	19.69	19.33	5.0	20.0
		1	25	19.55	19.76	19.33	5.0	20.0
		1	49	19.45	19.57	19.18	5.0	20.0
		25	0	19.45	19.53	19.30	5.0	20.0
		25	12	19.52	19.55	19.27	5.0	20.0
		25	25	19.46	19.48	19.21	5.0	20.0
		50	0	19.47	19.51	19.22	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	24.52	24.69	24.33	0.0	25.0
		1	12	24.55	24.72	24.37	0.0	25.0
		1	24	24.53	24.70	24.31	0.0	25.0
		12	0	23.49	23.59	23.27	1.0	24.0
		12	7	23.55	23.66	23.32	1.0	24.0
		12	13	23.52	23.63	23.28	1.0	24.0
		25	0	23.52	23.57	23.29	1.0	24.0
	16QAM	1	0	23.72	23.90	23.50	1.0	24.0
		1	12	23.72	23.87	23.50	1.0	24.0
		1	24	23.79	23.91	23.48	1.0	24.0
		12	0	22.56	22.68	22.39	2.0	23.0
		12	7	22.62	22.76	22.45	2.0	23.0
		12	13	22.61	22.74	22.43	2.0	23.0
		25	0	22.52	22.60	22.27	2.0	23.0
	64QAM	1	0	22.62	22.72	22.41	2.0	23.0
		1	12	22.63	22.77	22.45	2.0	23.0
		1	24	22.64	22.74	22.38	2.0	23.0
		12	0	21.48	21.49	21.18	3.0	22.0
		12	7	21.52	21.57	21.26	3.0	22.0
		12	13	21.50	21.56	21.23	3.0	22.0
		25	0	21.46	21.51	21.21	3.0	22.0
	256QAM	1	0	19.49	19.57	19.25	5.0	20.0
		1	12	19.65	19.77	19.34	5.0	20.0
		1	24	19.55	19.63	19.16	5.0	20.0
		12	0	19.46	19.49	19.17	5.0	20.0
		12	7	19.54	19.55	19.24	5.0	20.0
		12	13	19.48	19.51	19.21	5.0	20.0
		25	0	19.48	19.49	19.20	5.0	20.0

LTE Band 7 (ANT E)

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)				
				Pmax / DSI = 3				
				Measured Pwr (dBm)			MPR	Tune-up Limit
				20850	21100	21350		
				2510 MHz	2535 MHz	2560 MHz		
20 MHz	QPSK	1	0	23.63	23.77	23.68	0.0	25.0
		1	49	23.75	23.72	23.71	0.0	25.0
		1	99	23.74	23.79	23.74	0.0	25.0
		50	0	22.72	22.79	22.73	1.0	24.0
		50	24	22.85	22.79	22.81	1.0	24.0
		50	50	22.84	22.86	22.80	1.0	24.0
		100	0	22.82	22.79	22.81	1.0	24.0
	16QAM	1	0	22.96	23.13	23.12	1.0	24.0
		1	49	23.00	23.24	23.11	1.0	24.0
		1	99	23.06	23.22	23.14	1.0	24.0
		50	0	21.75	21.80	21.75	2.0	23.0
		50	24	21.89	21.81	21.86	2.0	23.0
		50	50	21.87	21.86	21.82	2.0	23.0
		100	0	21.84	21.79	21.83	2.0	23.0
	64QAM	1	0	21.94	21.96	21.90	2.0	23.0
		1	49	21.91	22.05	21.95	2.0	23.0
		1	99	21.88	21.88	21.88	2.0	23.0
		50	0	20.75	20.80	20.74	3.0	22.0
		50	24	20.86	20.82	20.84	3.0	22.0
		50	50	20.84	20.86	20.81	3.0	22.0
		100	0	20.84	20.79	20.84	3.0	22.0
	256QAM	1	0	18.89	18.85	18.86	5.0	20.0
		1	49	19.05	18.95	18.94	5.0	20.0
		1	99	18.98	18.93	18.99	5.0	20.0
		50	0	18.74	18.80	18.74	5.0	20.0
		50	24	18.85	18.84	18.84	5.0	20.0
		50	50	18.86	18.89	18.87	5.0	20.0
		100	0	18.82	18.80	18.84	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	23.62	23.51	23.58	0.0	25.0
		1	37	23.62	23.54	23.60	0.0	25.0
		1	74	23.64	23.54	23.65	0.0	25.0
		36	0	22.62	22.58	22.62	1.0	24.0
		36	20	22.57	22.58	22.60	1.0	24.0
		36	39	22.55	22.57	22.64	1.0	24.0
		75	0	22.58	22.56	22.65	1.0	24.0
	16QAM	1	0	22.93	22.75	22.91	1.0	24.0
		1	37	22.91	22.68	22.94	1.0	24.0
		1	74	22.85	22.73	22.96	1.0	24.0
		36	0	21.74	21.59	21.65	2.0	23.0
		36	20	21.68	21.62	21.68	2.0	23.0
		36	39	21.67	21.61	21.79	2.0	23.0
		75	0	21.67	21.54	21.76	2.0	23.0
	64QAM	1	0	21.86	21.59	21.67	2.0	23.0
		1	37	21.82	21.58	21.71	2.0	23.0
		1	74	21.81	21.55	21.73	2.0	23.0
		36	0	20.67	20.52	20.58	3.0	22.0
		36	20	20.59	20.52	20.61	3.0	22.0
		36	39	20.60	20.53	20.69	3.0	22.0
		75	0	20.59	20.58	20.69	3.0	22.0
	256QAM	1	0	18.77	18.72	18.77	5.0	20.0
		1	37	18.80	18.71	18.81	5.0	20.0
		1	74	18.65	18.73	18.84	5.0	20.0
		36	0	18.65	18.52	18.60	5.0	20.0
		36	20	18.56	18.53	18.65	5.0	20.0
		36	39	18.64	18.51	18.76	5.0	20.0
		75	0	18.62	18.52	18.74	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	23.70	23.57	23.64	0.0	25.0
		1	25	23.73	23.54	23.76	0.0	25.0
		1	49	23.68	23.56	23.71	0.0	25.0
		25	0	22.75	22.62	22.71	1.0	24.0
		25	12	22.67	22.66	22.83	1.0	24.0
		25	25	22.66	22.61	22.81	1.0	24.0
		50	0	22.65	22.65	22.80	1.0	24.0
	16QAM	1	0	23.02	22.81	22.95	1.0	24.0
		1	25	23.06	22.80	23.09	1.0	24.0
		1	49	23.00	22.79	23.06	1.0	24.0
		25	0	21.74	21.68	21.73	2.0	23.0
		25	12	21.68	21.68	21.85	2.0	23.0
		25	25	21.65	21.67	21.83	2.0	23.0
		50	0	21.67	21.64	21.82	2.0	23.0
	64QAM	1	0	21.93	21.82	21.83	2.0	23.0
		1	25	21.90	21.86	21.90	2.0	23.0
		1	49	21.91	21.81	21.82	2.0	23.0
		25	0	20.74	20.56	20.66	3.0	22.0
		25	12	20.68	20.60	20.77	3.0	22.0
		25	25	20.69	20.57	20.76	3.0	22.0
		50	0	20.67	20.54	20.71	3.0	22.0
	256QAM	1	0	18.85	18.61	18.79	5.0	20.0
		1	25	18.89	18.57	18.94	5.0	20.0
		1	49	18.75	18.53	18.88	5.0	20.0
		25	0	18.79	18.58	18.69	5.0	20.0
		25	12	18.71	18.55	18.78	5.0	20.0
		25	25	18.65	18.59	18.76	5.0	20.0
		50	0	18.67	18.58	18.75	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	23.80	23.60	23.78	0.0	25.0
		1	12	23.84	23.67	23.89	0.0	25.0
		1	24	23.78	23.62	23.84	0.0	25.0
		12	0	22.70	22.61	22.72	1.0	24.0
		12	7	22.70	22.66	22.77	1.0	24.0
		12	13	22.66	22.64	22.81	1.0	24.0
		25	0	22.64	22.60	22.74	1.0	24.0
	16QAM	1	0	23.15	23.18	23.19	1.0	24.0
		1	12	23.25	23.17	23.23	1.0	24.0
		1	24	23.23	23.19	23.25	1.0	24.0
		12	0	21.76	21.61	21.83	2.0	23.0
		12	7	21.74	21.68	21.90	2.0	23.0
		12	13	21.70	21.67	21.94	2.0	23.0
		25	0	21.71	21.66	21.80	2.0	23.0
	64QAM	1	0	21.94	21.79	21.99	2.0	23.0
		1	12	21.94	21.82	21.94	2.0	23.0
		1	24	21.86	21.72	22.00	2.0	23.0
		12	0	20.70	20.60	20.69	3.0	22.0
		12	7	20.71	20.68	20.80	3.0	22.0
		12	13	20.68	20.61	20.84	3.0	22.0
		25	0	20.67	20.59	20.73	3.0	22.0
	256QAM	1	0	19.01	18.65	18.72	5.0	20.0
		1	12	18.97	18.73	18.87	5.0	20.0
		1	24	18.90	18.64	18.82	5.0	20.0
		12	0	18.71	18.55	18.68	5.0	20.0
		12	7	18.70	18.62	18.74	5.0	20.0
		12	13	18.72	18.57	18.85	5.0	20.0
		25	0	18.65	18.49	18.75	5.0	20.0

LTE Band 12 (ANT A)

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)				
				Pmax / DSI = 1, 3				
				Measured Pwr (dBm)			MPR	Tune-up Limit
				23060	23095	23130		
				704 MHz	707.5 MHz	711 MHz		
10 MHz	QPSK	1	0	24.33	24.20	24.25	0.0	25.2
		1	25	24.25	24.19	24.22	0.0	25.2
		1	49	24.09	24.14	24.17	0.0	25.2
		25	0	23.32	23.24	23.12	1.0	24.2
		25	12	23.30	23.23	23.15	1.0	24.2
		25	25	23.16	23.21	23.21	1.0	24.2
		50	0	23.30	23.25	23.23	1.0	24.2
	16QAM	1	0	23.57	23.53	23.46	1.0	24.2
		1	25	23.45	23.43	23.53	1.0	24.2
		1	49	23.34	23.47	23.45	1.0	24.2
		25	0	22.39	22.27	22.20	2.0	23.2
		25	12	22.38	22.28	22.21	2.0	23.2
		25	25	22.23	22.27	22.28	2.0	23.2
		50	0	22.32	22.26	22.25	2.0	23.2
	64QAM	1	0	22.46	22.47	22.32	2.0	23.2
		1	25	22.46	22.31	22.40	2.0	23.2
		1	49	22.30	22.37	22.34	2.0	23.2
		25	0	21.33	21.24	21.18	3.0	22.2
		25	12	21.32	21.24	21.18	3.0	22.2
		25	25	21.20	21.21	21.23	3.0	22.2
		50	0	21.32	21.25	21.23	3.0	22.2
	256QAM	1	0	19.50	19.42	19.32	5.0	20.2
		1	25	19.50	19.40	19.37	5.0	20.2
		1	49	19.32	19.32	19.28	5.0	20.2
		25	0	19.36	19.26	19.16	5.0	20.2
		25	12	19.36	19.26	19.18	5.0	20.2
		25	25	19.23	19.26	19.25	5.0	20.2
		50	0	19.36	19.26	19.25	5.0	20.2
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	24.41	24.29	24.23	0.0	25.2
		1	12	24.44	24.24	24.28	0.0	25.2
		1	24	24.22	24.12	24.24	0.0	25.2
		12	0	23.40	23.24	23.19	1.0	24.2
		12	7	23.41	23.27	23.31	1.0	24.2
		12	13	23.27	23.23	23.22	1.0	24.2
		25	0	23.34	23.20	23.24	1.0	24.2
	16QAM	1	0	23.54	23.36	23.44	1.0	24.2
		1	12	23.55	23.39	23.50	1.0	24.2
		1	24	23.46	23.26	23.52	1.0	24.2
		12	0	22.40	22.24	22.21	2.0	23.2
		12	7	22.42	22.23	22.32	2.0	23.2
		12	13	22.28	22.17	22.27	2.0	23.2
		25	0	22.35	22.22	22.25	2.0	23.2
	64QAM	1	0	22.40	22.29	22.31	2.0	23.2
		1	12	22.46	22.28	22.33	2.0	23.2
		1	24	22.29	22.13	22.21	2.0	23.2
		12	0	21.33	21.12	21.07	3.0	22.2
		12	7	21.35	21.18	21.13	3.0	22.2
		12	13	21.20	21.12	21.16	3.0	22.2
		25	0	21.18	21.11	21.07	3.0	22.2
	256QAM	1	0	19.49	19.24	19.24	5.0	20.2
		1	12	19.49	19.21	19.38	5.0	20.2
		1	24	19.29	19.14	19.26	5.0	20.2
		12	0	19.30	19.11	19.06	5.0	20.2
		12	7	19.33	19.12	19.13	5.0	20.2
		12	13	19.16	19.07	19.15	5.0	20.2
		25	0	19.17	19.08	19.05	5.0	20.2

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	24.32	24.15	24.16	0.0	25.2
		1	8	24.46	24.20	24.30	0.0	25.2
		1	14	24.21	24.06	24.13	0.0	25.2
		8	0	23.40	23.19	23.19	1.0	24.2
		8	4	23.42	23.19	23.18	1.0	24.2
		8	7	23.37	23.17	23.26	1.0	24.2
		15	0	23.36	23.20	23.20	1.0	24.2
	16QAM	1	0	23.52	23.33	23.29	1.0	24.2
		1	8	23.63	23.38	23.47	1.0	24.2
		1	14	23.44	23.22	23.35	1.0	24.2
		8	0	22.46	22.26	22.26	2.0	23.2
		8	4	22.48	22.27	22.28	2.0	23.2
		8	7	22.46	22.28	22.34	2.0	23.2
		15	0	22.39	22.20	22.24	2.0	23.2
	64QAM	1	0	22.43	22.31	22.22	2.0	23.2
		1	8	22.54	22.39	22.40	2.0	23.2
		1	14	22.31	22.19	22.20	2.0	23.2
		8	0	21.40	21.09	21.15	3.0	22.2
		8	4	21.39	21.12	21.14	3.0	22.2
		8	7	21.31	21.11	21.22	3.0	22.2
		15	0	21.23	21.11	21.09	3.0	22.2
	256QAM	1	0	19.38	19.11	19.15	5.0	20.2
		1	8	19.52	19.26	19.36	5.0	20.2
		1	14	19.25	19.06	19.22	5.0	20.2
		8	0	19.32	19.08	19.09	5.0	20.2
		8	4	19.37	19.10	19.12	5.0	20.2
		8	7	19.27	19.11	19.19	5.0	20.2
		15	0	19.23	19.07	19.08	5.0	20.2

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	24.30	24.11	24.12	0.0	25.2
		1	3	24.33	24.12	24.16	0.0	25.2
		1	5	24.31	24.09	24.12	0.0	25.2
		3	0	24.28	24.10	24.16	0.0	25.2
		3	1	24.28	24.12	24.15	0.0	25.2
		3	3	24.30	24.11	24.17	0.0	25.2
		6	0	23.35	23.10	23.19	1.0	24.2
	16QAM	1	0	23.41	23.25	23.25	1.0	24.2
		1	3	23.42	23.30	23.29	1.0	24.2
		1	5	23.38	23.22	23.23	1.0	24.2
		3	0	23.40	23.14	23.23	1.0	24.2
		3	1	23.37	23.12	23.26	1.0	24.2
		3	3	23.42	23.11	23.25	1.0	24.2
		6	0	22.39	22.16	22.16	2.0	23.2
	64QAM	1	0	22.33	22.18	22.34	2.0	23.2
		1	3	22.41	22.31	22.35	2.0	23.2
		1	5	22.31	22.18	22.28	2.0	23.2
		3	0	22.31	22.06	22.20	2.0	23.2
		3	1	22.30	22.06	22.18	2.0	23.2
		3	3	22.28	22.05	22.19	2.0	23.2
		6	0	21.25	21.06	21.15	3.0	22.2
	256QAM	1	0	19.30	19.13	19.19	5.0	20.2
		1	3	19.35	19.20	19.27	5.0	20.2
		1	5	19.29	19.15	19.15	5.0	20.2
		3	0	19.25	19.09	19.13	5.0	20.2
		3	1	19.24	19.07	19.15	5.0	20.2
		3	3	19.25	19.05	19.16	5.0	20.2
		6	0	19.13	19.02	19.07	5.0	20.2

LTE Band 12 (ANT D)

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)				
				Pmax / DSI = 1, 3				
				Measured Pwr (dBm)			MPR	Tune-up Limit
				23060	23095	23130		
				704 MHz	707.5 MHz	711 MHz		
10 MHz	QPSK	1	0	24.48	24.41	24.32	0.0	25.2
		1	25	24.46	24.35	24.44	0.0	25.2
		1	49	24.26	24.34	24.33	0.0	25.2
		25	0	23.54	23.44	23.34	1.0	24.2
		25	12	23.53	23.43	23.35	1.0	24.2
		25	25	23.41	23.42	23.40	1.0	24.2
		50	0	23.48	23.43	23.40	1.0	24.2
	16QAM	1	0	23.69	23.69	23.72	1.0	24.2
		1	25	23.69	23.62	23.76	1.0	24.2
		1	49	23.48	23.65	23.61	1.0	24.2
		25	0	22.55	22.46	22.38	2.0	23.2
		25	12	22.52	22.43	22.39	2.0	23.2
		25	25	22.39	22.42	22.44	2.0	23.2
		50	0	22.52	22.43	22.43	2.0	23.2
	64QAM	1	0	22.64	22.67	22.70	2.0	23.2
		1	25	22.50	22.60	22.71	2.0	23.2
		1	49	22.32	22.57	22.57	2.0	23.2
		25	0	21.54	21.45	21.34	3.0	22.2
		25	12	21.53	21.42	21.34	3.0	22.2
		25	25	21.41	21.41	21.41	3.0	22.2
		50	0	21.51	21.42	21.40	3.0	22.2
	256QAM	1	0	19.64	19.65	19.50	5.0	20.2
		1	25	19.67	19.43	19.65	5.0	20.2
		1	49	19.45	19.43	19.53	5.0	20.2
		25	0	19.54	19.48	19.33	5.0	20.2
		25	12	19.53	19.46	19.35	5.0	20.2
		25	25	19.39	19.43	19.42	5.0	20.2
		50	0	19.50	19.45	19.40	5.0	20.2
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	24.61	24.48	24.42	0.0	25.2
		1	12	24.62	24.44	24.44	0.0	25.2
		1	24	24.51	24.33	24.39	0.0	25.2
		12	0	23.58	23.42	23.39	1.0	24.2
		12	7	23.60	23.44	23.48	1.0	24.2
		12	13	23.43	23.40	23.43	1.0	24.2
		25	0	23.56	23.39	23.40	1.0	24.2
	16QAM	1	0	23.86	23.63	23.59	1.0	24.2
		1	12	23.83	23.63	23.65	1.0	24.2
		1	24	23.85	23.51	23.61	1.0	24.2
		12	0	22.63	22.47	22.42	2.0	23.2
		12	7	22.64	22.49	22.52	2.0	23.2
		12	13	22.50	22.41	22.44	2.0	23.2
		25	0	22.55	22.41	22.44	2.0	23.2
	64QAM	1	0	22.78	22.54	22.71	2.0	23.2
		1	12	22.73	22.56	22.78	2.0	23.2
		1	24	22.58	22.51	22.65	2.0	23.2
		12	0	21.58	21.43	21.39	3.0	22.2
		12	7	21.64	21.47	21.48	3.0	22.2
		12	13	21.49	21.40	21.45	3.0	22.2
		25	0	21.56	21.38	21.42	3.0	22.2
	256QAM	1	0	19.84	19.64	19.57	5.0	20.2
		1	12	19.84	19.65	19.64	5.0	20.2
		1	24	19.69	19.51	19.52	5.0	20.2
		12	0	19.64	19.43	19.37	5.0	20.2
		12	7	19.66	19.42	19.50	5.0	20.2
		12	13	19.49	19.42	19.44	5.0	20.2
		25	0	19.59	19.39	19.42	5.0	20.2

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	24.56	24.31	24.38	0.0	25.2
		1	8	24.60	24.47	24.50	0.0	25.2
		1	14	24.46	24.30	24.31	0.0	25.2
		8	0	23.58	23.40	23.33	1.0	24.2
		8	4	23.59	23.41	23.38	1.0	24.2
		8	7	23.57	23.42	23.40	1.0	24.2
		15	0	23.59	23.40	23.31	1.0	24.2
	16QAM	1	0	23.67	23.48	23.60	1.0	24.2
		1	8	23.78	23.75	23.62	1.0	24.2
		1	14	23.60	23.53	23.52	1.0	24.2
		8	0	22.64	22.43	22.37	2.0	23.2
		8	4	22.66	22.43	22.41	2.0	23.2
		8	7	22.64	22.40	22.48	2.0	23.2
		15	0	22.62	22.45	22.37	2.0	23.2
	64QAM	1	0	22.70	22.46	22.49	2.0	23.2
		1	8	22.89	22.71	22.66	2.0	23.2
		1	14	22.61	22.47	22.47	2.0	23.2
		8	0	21.60	21.45	21.40	3.0	22.2
		8	4	21.62	21.45	21.39	3.0	22.2
		8	7	21.63	21.45	21.46	3.0	22.2
		15	0	21.60	21.41	21.36	3.0	22.2
	256QAM	1	0	19.67	19.44	19.49	5.0	20.2
		1	8	19.78	19.61	19.65	5.0	20.2
		1	14	19.48	19.44	19.51	5.0	20.2
		8	0	19.61	19.43	19.40	5.0	20.2
		8	4	19.64	19.46	19.44	5.0	20.2
		8	7	19.63	19.43	19.45	5.0	20.2
		15	0	19.59	19.41	19.35	5.0	20.2

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	24.50	24.27	24.32	0.0	25.2
		1	3	24.61	24.34	24.33	0.0	25.2
		1	5	24.50	24.32	24.36	0.0	25.2
		3	0	24.51	24.27	24.35	0.0	25.2
		3	1	24.53	24.30	24.37	0.0	25.2
		3	3	24.52	24.26	24.35	0.0	25.2
		6	0	23.55	23.30	23.37	1.0	24.2
	16QAM	1	0	23.67	23.40	23.46	1.0	24.2
		1	3	23.65	23.42	23.55	1.0	24.2
		1	5	23.59	23.38	23.40	1.0	24.2
		3	0	23.62	23.37	23.35	1.0	24.2
		3	1	23.65	23.36	23.36	1.0	24.2
		3	3	23.66	23.36	23.36	1.0	24.2
		6	0	22.53	22.30	22.36	2.0	23.2
	64QAM	1	0	22.66	22.52	22.61	2.0	23.2
		1	3	22.73	22.55	22.67	2.0	23.2
		1	5	22.62	22.46	22.57	2.0	23.2
		3	0	22.70	22.41	22.48	2.0	23.2
		3	1	22.70	22.45	22.47	2.0	23.2
		3	3	22.70	22.38	22.48	2.0	23.2
		6	0	21.52	21.32	21.30	3.0	22.2
	256QAM	1	0	19.73	19.36	19.45	5.0	20.2
		1	3	19.76	19.45	19.48	5.0	20.2
		1	5	19.66	19.37	19.44	5.0	20.2
		3	0	19.58	19.33	19.41	5.0	20.2
		3	1	19.60	19.35	19.42	5.0	20.2
		3	3	19.62	19.35	19.39	5.0	20.2
		6	0	19.68	19.53	19.41	5.0	20.2

LTE Band 13 (ANT A)

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)			MPR	Tune-up Limit
				Pmax / DSI = 1, 3				
				Measured Pwr (dBm)				
					23230			
					782 MHz			
10 MHz	QPSK	1	0		24.78		0.0	25.5
		1	25		24.87		0.0	25.5
		1	49		24.78		0.0	25.5
		25	0		23.88		1.0	24.5
		25	12		23.93		1.0	24.5
		25	25		23.84		1.0	24.5
		50	0		23.92		1.0	24.5
	16QAM	1	0		24.02		1.0	24.5
		1	25		24.07		1.0	24.5
		1	49		24.04		1.0	24.5
		25	0		22.91		2.0	23.5
		25	12		22.95		2.0	23.5
		25	25		22.89		2.0	23.5
		50	0		22.93		2.0	23.5
	64QAM	1	0		23.04		2.0	23.5
		1	25		23.04		2.0	23.5
		1	49		22.92		2.0	23.5
		25	0		21.89		3.0	22.5
		25	12		21.92		3.0	22.5
		25	25		21.86		3.0	22.5
		50	0		21.92		3.0	22.5
	256QAM	1	0		19.98		5.0	20.5
		1	25		20.21		5.0	20.5
		1	49		19.95		5.0	20.5
		25	0		19.87		5.0	20.5
		25	12		19.89		5.0	20.5
		25	25		19.87		5.0	20.5
		50	0		19.95		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	24.83	24.79	24.79	0.0	25.5
		1	12	24.80	24.91	24.87	0.0	25.5
		1	24	24.75	24.85	24.83	0.0	25.5
		12	0	23.65	23.73	23.73	1.0	24.5
		12	7	23.76	23.76	23.77	1.0	24.5
		12	13	23.72	23.78	23.78	1.0	24.5
		25	0	23.75	23.71	23.73	1.0	24.5
	16QAM	1	0	24.24	24.19	24.30	1.0	24.5
		1	12	24.11	24.26	24.41	1.0	24.5
		1	24	24.14	24.33	24.29	1.0	24.5
		12	0	22.70	22.68	22.86	2.0	23.5
		12	7	22.80	22.73	22.90	2.0	23.5
		12	13	22.70	22.75	22.94	2.0	23.5
		25	0	22.74	22.77	22.77	2.0	23.5
	64QAM	1	0	22.97	22.90	23.00	2.0	23.5
		1	12	22.99	23.00	23.07	2.0	23.5
		1	24	22.94	22.96	23.04	2.0	23.5
		12	0	21.72	21.76	21.80	3.0	22.5
		12	7	21.80	21.81	21.85	3.0	22.5
		12	13	21.77	21.83	21.86	3.0	22.5
		25	0	21.79	21.76	21.73	3.0	22.5
	256QAM	1	0	19.78	19.88	19.93	5.0	20.5
		1	12	19.90	20.08	20.09	5.0	20.5
		1	24	19.77	19.93	19.97	5.0	20.5
		12	0	19.75	19.75	19.77	5.0	20.5
		12	7	19.83	19.81	19.80	5.0	20.5
		12	13	19.77	19.84	19.84	5.0	20.5
		25	0	19.79	19.75	19.76	5.0	20.5

LTE Band 13 (ANT D)

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)			MPR	Tune-up Limit
				Pmax / DSI = 1, 3				
				Measured Pwr (dBm)				
					23230			
					782 MHz			
10 MHz	QPSK	1	0		24.57		0.0	25.5
		1	25		24.60		0.0	25.5
		1	49		24.58		0.0	25.5
		25	0		23.66		1.0	24.5
		25	12		23.62		1.0	24.5
		25	25		23.55		1.0	24.5
		50	0		23.63		1.0	24.5
	16QAM	1	0		23.82		1.0	24.5
		1	25		23.86		1.0	24.5
		1	49		23.66		1.0	24.5
		25	0		22.64		2.0	23.5
		25	12		22.64		2.0	23.5
		25	25		22.56		2.0	23.5
		50	0		22.63		2.0	23.5
	64QAM	1	0		22.82		2.0	23.5
		1	25		22.83		2.0	23.5
		1	49		22.74		2.0	23.5
		25	0		21.60		3.0	22.5
		25	12		21.62		3.0	22.5
		25	25		21.56		3.0	22.5
		50	0		21.65		3.0	22.5
	256QAM	1	0		19.72		5.0	20.5
		1	25		19.84		5.0	20.5
		1	49		19.64		5.0	20.5
		25	0		19.62		5.0	20.5
		25	12		19.65		5.0	20.5
		25	25		19.59		5.0	20.5
		50	0		19.66		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	24.71	24.69	24.79	0.0	25.5
		1	12	24.74	24.77	24.83	0.0	25.5
		1	24	24.69	24.74	24.78	0.0	25.5
		12	0	23.62	23.67	23.74	1.0	24.5
		12	7	23.71	23.69	23.76	1.0	24.5
		12	13	23.68	23.65	23.77	1.0	24.5
		25	0	23.75	23.59	23.68	1.0	24.5
	16QAM	1	0	24.26	23.85	24.17	1.0	24.5
		1	12	24.18	24.03	24.21	1.0	24.5
		1	24	24.08	23.89	24.19	1.0	24.5
		12	0	22.68	22.62	22.79	2.0	23.5
		12	7	22.83	22.67	22.81	2.0	23.5
		12	13	22.77	22.61	22.84	2.0	23.5
		25	0	22.75	22.65	22.77	2.0	23.5
	64QAM	1	0	22.89	22.84	22.97	2.0	23.5
		1	12	22.93	23.00	23.08	2.0	23.5
		1	24	22.86	22.76	22.90	2.0	23.5
		12	0	21.67	21.66	21.79	3.0	22.5
		12	7	21.85	21.70	21.80	3.0	22.5
		12	13	21.77	21.65	21.88	3.0	22.5
		25	0	21.74	21.63	21.75	3.0	22.5
	256QAM	1	0	19.75	19.80	19.85	5.0	20.5
		1	12	19.89	19.96	20.02	5.0	20.5
		1	24	19.77	19.71	19.86	5.0	20.5
		12	0	19.70	19.65	19.73	5.0	20.5
		12	7	19.80	19.65	19.77	5.0	20.5
		12	13	19.74	19.59	19.79	5.0	20.5
		25	0	19.71	19.62	19.73	5.0	20.5

LTE Band 30 (ANT B)

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)			MPR	Tune-up Limit
				Pmax / DSI = 3				
				Measured Pwr (dBm)				
					27710			
					2310 MHz			
10 MHz	QPSK	1	0		22.94		0.0	24.0
		1	25		23.01		0.0	24.0
		1	49		22.96		0.0	24.0
		25	0		22.06		1.0	23.0
		25	12		22.08		1.0	23.0
		25	25		22.06		1.0	23.0
		50	0		21.51		1.0	23.0
	16QAM	1	0		22.23		1.0	23.0
		1	25		22.20		1.0	23.0
		1	49		22.08		1.0	23.0
		25	0		21.12		2.0	22.0
		25	12		21.13		2.0	22.0
		25	25		21.09		2.0	22.0
		50	0		21.10		2.0	22.0
	64QAM	1	0		21.30		2.0	22.0
		1	25		21.29		2.0	22.0
		1	49		21.23		2.0	22.0
		25	0		20.13		3.0	21.0
		25	12		20.10		3.0	21.0
		25	25		20.10		3.0	21.0
		50	0		20.08		3.0	21.0
	256QAM	1	0		18.13		5.0	19.0
		1	25		18.21		5.0	19.0
		1	49		18.01		5.0	19.0
		25	0		18.07		5.0	19.0
		25	12		18.06		5.0	19.0
		25	25		18.05		5.0	19.0
		50	0		18.04		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	23.40	23.33	23.32	0.0	24.0
		1	12	23.40	23.46	23.48	0.0	24.0
		1	24	23.30	23.33	23.43	0.0	24.0
		12	0	22.38	22.41	22.34	1.0	23.0
		12	7	22.32	22.44	22.41	1.0	23.0
		12	13	22.25	22.37	22.44	1.0	23.0
		25	0	22.26	22.36	22.33	1.0	23.0
	16QAM	1	0	22.78	22.83	22.80	1.0	23.0
		1	12	22.78	22.93	22.76	1.0	23.0
		1	24	22.80	22.84	22.88	1.0	23.0
		12	0	21.41	21.39	21.46	2.0	22.0
		12	7	21.36	21.41	21.48	2.0	22.0
		12	13	21.27	21.38	21.52	2.0	22.0
		25	0	21.31	21.40	21.37	2.0	22.0
	64QAM	1	0	21.55	21.50	21.47	2.0	22.0
		1	12	21.58	21.59	21.62	2.0	22.0
		1	24	21.47	21.53	21.49	2.0	22.0
		12	0	20.38	20.39	20.36	3.0	21.0
		12	7	20.34	20.41	20.40	3.0	21.0
		12	13	20.29	20.34	20.43	3.0	21.0
		25	0	20.29	20.34	20.32	3.0	21.0
	256QAM	1	0	18.41	18.46	18.42	5.0	19.0
		1	12	18.48	18.48	18.51	5.0	19.0
		1	24	18.24	18.39	18.46	5.0	19.0
		12	0	18.34	18.35	18.30	5.0	19.0
		12	7	18.32	18.37	18.38	5.0	19.0
		12	13	18.25	18.30	18.37	5.0	19.0
		25	0	18.23	18.30	18.30	5.0	19.0

LTE Band 30 (ANT E)

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)			MPR	Tune-up Limit
				Pmax / DSI = 3				
				Measured Pwr (dBm)				
					27710			
					2310 MHz			
10 MHz	QPSK	1	0		22.53		0.0	24.0
		1	25		22.59		0.0	24.0
		1	49		22.55		0.0	24.0
		25	0		21.56		1.0	23.0
		25	12		21.64		1.0	23.0
		25	25		21.63		1.0	23.0
		50	0		21.17		1.0	23.0
	16QAM	1	0		21.91		1.0	23.0
		1	25		21.94		1.0	23.0
		1	49		21.81		1.0	23.0
		25	0		20.63		2.0	22.0
		25	12		20.63		2.0	22.0
		25	25		20.70		2.0	22.0
		50	0		20.69		2.0	22.0
	64QAM	1	0		20.71		2.0	22.0
		1	25		20.81		2.0	22.0
		1	49		20.77		2.0	22.0
		25	0		19.62		3.0	21.0
		25	12		19.62		3.0	21.0
		25	25		19.69		3.0	21.0
		50	0		19.68		3.0	21.0
	256QAM	1	0		17.74		5.0	19.0
		1	25		17.93		5.0	19.0
		1	49		17.83		5.0	19.0
		25	0		17.63		5.0	19.0
		25	12		17.65		5.0	19.0
		25	25		17.72		5.0	19.0
		50	0		17.70		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	22.73	22.80	22.64	0.0	24.0
		1	12	22.72	22.84	22.60	0.0	24.0
		1	24	22.63	22.78	22.50	0.0	24.0
		12	0	21.63	21.77	21.60	1.0	23.0
		12	7	21.59	21.76	21.63	1.0	23.0
		12	13	21.52	21.81	21.46	1.0	23.0
		25	0	21.53	21.79	21.56	1.0	23.0
	16QAM	1	0	22.20	22.01	22.04	1.0	23.0
		1	12	22.14	22.08	22.01	1.0	23.0
		1	24	22.08	22.01	21.83	1.0	23.0
		12	0	20.83	20.71	20.63	2.0	22.0
		12	7	20.73	20.75	20.68	2.0	22.0
		12	13	20.68	20.77	20.53	2.0	22.0
		25	0	20.56	20.81	20.59	2.0	22.0
	64QAM	1	0	20.96	21.01	20.80	2.0	22.0
		1	12	20.96	21.02	20.84	2.0	22.0
		1	24	20.83	21.01	20.66	2.0	22.0
		12	0	19.72	19.81	19.69	3.0	21.0
		12	7	19.71	19.87	19.71	3.0	21.0
		12	13	19.62	19.81	19.52	3.0	21.0
		25	0	19.61	19.84	19.61	3.0	21.0
	256QAM	1	0	17.80	17.90	17.77	5.0	19.0
		1	12	17.81	17.92	17.76	5.0	19.0
		1	24	17.64	17.81	17.50	5.0	19.0
		12	0	17.69	17.77	17.65	5.0	19.0
		12	7	17.69	17.83	17.67	5.0	19.0
		12	13	17.62	17.85	17.52	5.0	19.0
		25	0	17.62	17.84	17.61	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	25.68	25.68	25.62	0.0	26.5
		1	49	25.75	25.65	25.69	0.0	26.5
		1	99	25.80	25.57	25.54	0.0	26.5
		50	0	24.78	24.69	24.54	1.0	25.5
		50	24	24.83	24.70	24.49	1.0	25.5
		50	50	24.79	24.66	24.56	1.0	25.5
		100	0	24.83	24.71	24.51	1.0	25.5
	16QAM	1	0	25.19	24.91	25.05	1.0	25.5
		1	49	25.12	25.08	25.03	1.0	25.5
		1	99	25.12	24.88	24.78	1.0	25.5
		50	0	23.77	23.68	23.55	2.0	24.5
		50	24	23.87	23.75	23.57	2.0	24.5
		50	50	23.87	23.70	23.56	2.0	24.5
		100	0	23.82	23.71	23.51	2.0	24.5
	64QAM	1	0	23.90	24.01	23.88	2.0	24.5
		1	49	24.00	23.99	23.84	2.0	24.5
		1	99	24.03	23.85	23.73	2.0	24.5
		50	0	22.83	22.70	22.67	3.0	23.5
		50	24	22.85	22.77	22.66	3.0	23.5
		50	50	22.93	22.74	22.63	3.0	23.5
		100	0	22.86	22.74	22.56	3.0	23.5
	256QAM	1	0	20.91	20.83	20.65	5.0	21.5
		1	49	20.74	20.65	20.82	5.0	21.5
		1	99	20.80	20.76	20.49	5.0	21.5
		50	0	20.76	20.65	20.51	5.0	21.5
		50	24	20.84	20.68	20.51	5.0	21.5
		50	50	20.84	20.69	20.50	5.0	21.5
		100	0	20.80	20.68	20.50	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	25.72	25.53	25.53	0.0	26.5
		1	37	25.91	25.54	25.46	0.0	26.5
		1	74	25.71	25.41	25.36	0.0	26.5
		36	0	24.78	24.63	24.49	1.0	25.5
		36	20	24.78	24.65	24.54	1.0	25.5
		36	39	24.74	24.60	24.50	1.0	25.5
		75	0	24.78	24.62	24.49	1.0	25.5
	16QAM	1	0	25.09	24.90	25.05	1.0	25.5
		1	37	25.10	25.05	24.88	1.0	25.5
		1	74	24.95	24.67	24.92	1.0	25.5
		36	0	23.83	23.68	23.52	2.0	24.5
		36	20	23.85	23.73	23.65	2.0	24.5
		36	39	23.83	23.68	23.58	2.0	24.5
		75	0	23.78	23.67	23.57	2.0	24.5
	64QAM	1	0	24.10	23.87	23.75	2.0	24.5
		1	37	24.03	23.92	23.83	2.0	24.5
		1	74	24.08	23.84	23.70	2.0	24.5
		36	0	22.86	22.69	22.64	3.0	23.5
		36	20	22.88	22.75	22.76	3.0	23.5
		36	39	22.85	22.70	22.64	3.0	23.5
		75	0	22.83	22.77	22.68	3.0	23.5
	256QAM	1	0	20.72	20.73	20.72	5.0	21.5
		1	37	20.95	20.77	20.80	5.0	21.5
		1	74	20.82	20.65	20.57	5.0	21.5
		36	0	20.81	20.66	20.47	5.0	21.5
		36	20	20.80	20.73	20.58	5.0	21.5
		36	39	20.80	20.68	20.49	5.0	21.5
		75	0	20.76	20.68	20.55	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	25.73	25.74	25.74	0.0	26.5
		1	25	25.70	25.77	25.61	0.0	26.5
		1	49	25.90	25.51	25.55	0.0	26.5
		25	0	24.76	24.69	24.56	1.0	25.5
		25	12	24.83	24.74	24.52	1.0	25.5
		25	25	24.76	24.73	24.57	1.0	25.5
		50	0	24.77	24.78	24.53	1.0	25.5
	16QAM	1	0	25.05	24.73	24.81	1.0	25.5
		1	25	25.04	24.99	24.84	1.0	25.5
		1	49	25.06	24.76	24.91	1.0	25.5
		25	0	23.82	23.71	23.53	2.0	24.5
		25	12	23.84	23.83	23.63	2.0	24.5
		25	25	23.85	23.72	23.61	2.0	24.5
		50	0	23.82	23.76	23.57	2.0	24.5
	64QAM	1	0	24.03	23.98	23.95	2.0	24.5
		1	25	24.02	24.01	23.91	2.0	24.5
		1	49	23.97	23.96	23.94	2.0	24.5
		25	0	22.91	22.75	22.67	3.0	23.5
		25	12	22.93	22.80	22.70	3.0	23.5
		25	25	22.84	22.81	22.72	3.0	23.5
		50	0	22.87	22.80	22.62	3.0	23.5
	256QAM	1	0	20.72	20.68	20.63	5.0	21.5
		1	25	20.79	20.83	20.77	5.0	21.5
		1	49	20.79	20.85	20.72	5.0	21.5
		25	0	20.77	20.67	20.51	5.0	21.5
		25	12	20.79	20.81	20.57	5.0	21.5
		25	25	20.84	20.65	20.62	5.0	21.5
		50	0	20.76	20.72	20.50	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	25.79	25.50	25.47	0.0	26.5
		1	12	25.83	25.67	25.61	0.0	26.5
		1	24	25.73	25.52	25.52	0.0	26.5
		12	0	24.80	24.70	24.57	1.0	25.5
		12	7	24.82	24.75	24.52	1.0	25.5
		12	13	24.80	24.69	24.53	1.0	25.5
		25	0	24.82	24.67	24.52	1.0	25.5
	16QAM	1	0	25.21	25.06	24.99	1.0	25.5
		1	12	25.22	25.11	24.95	1.0	25.5
		1	24	24.94	25.01	24.75	1.0	25.5
		12	0	23.93	23.76	23.65	2.0	24.5
		12	7	23.99	23.80	23.65	2.0	24.5
		12	13	23.91	23.70	23.67	2.0	24.5
		25	0	23.92	23.74	23.57	2.0	24.5
	64QAM	1	0	23.84	23.78	23.87	2.0	24.5
		1	12	24.02	23.90	23.80	2.0	24.5
		1	24	23.95	23.71	23.79	2.0	24.5
		12	0	22.92	22.86	22.75	3.0	23.5
		12	7	22.94	22.80	22.76	3.0	23.5
		12	13	22.90	22.81	22.74	3.0	23.5
		25	0	22.90	22.73	22.71	3.0	23.5
	256QAM	1	0	20.95	20.69	20.55	5.0	21.5
		1	12	20.92	20.95	20.75	5.0	21.5
		1	24	20.75	20.81	20.45	5.0	21.5
		12	0	20.75	20.68	20.59	5.0	21.5
		12	7	20.83	20.70	20.62	5.0	21.5
		12	13	20.75	20.66	20.59	5.0	21.5
		25	0	20.76	20.71	20.56	5.0	21.5

LTE Band 41 (PC2) (ANT E)

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	25.87	25.92	25.94	0.0	26.5
		1	49	25.96	25.88	25.96	0.0	26.5
		1	99	25.99	25.71	25.38	0.0	26.5
		50	0	24.95	24.88	24.90	1.0	25.5
		50	24	25.03	24.89	24.86	1.0	25.5
		50	50	25.00	24.85	24.84	1.0	25.5
		100	0	25.01	24.89	24.85	1.0	25.5
	16QAM	1	0	25.33	25.32	25.36	1.0	25.5
		1	49	25.36	25.11	25.44	1.0	25.5
		1	99	25.32	25.00	24.71	1.0	25.5
		50	0	23.93	23.92	23.95	2.0	24.5
		50	24	24.08	23.94	23.90	2.0	24.5
		50	50	24.05	23.89	23.89	2.0	24.5
		100	0	24.01	23.91	23.91	2.0	24.5
	64QAM	1	0	23.98	24.07	24.32	2.0	24.5
		1	49	24.16	23.96	24.27	2.0	24.5
		1	99	24.07	23.85	23.83	2.0	24.5
		50	0	22.93	23.01	22.97	3.0	23.5
		50	24	23.08	23.00	22.96	3.0	23.5
		50	50	23.00	23.02	22.94	3.0	23.5
		100	0	22.98	23.04	22.92	3.0	23.5
	256QAM	1	0	20.83	21.06	21.01	5.0	21.5
		1	49	21.01	20.95	21.14	5.0	21.5
		1	99	20.91	20.80	20.85	5.0	21.5
		50	0	20.94	20.91	20.97	5.0	21.5
		50	24	21.02	20.95	20.87	5.0	21.5
		50	50	21.02	20.85	20.96	5.0	21.5
		100	0	21.00	20.92	20.88	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	25.89	25.97	25.94	0.0	26.5
		1	37	25.92	25.91	25.70	0.0	26.5
		1	74	25.87	25.91	25.30	0.0	26.5
		36	0	24.93	24.85	24.83	1.0	25.5
		36	20	24.99	24.90	24.81	1.0	25.5
		36	39	24.93	24.85	24.73	1.0	25.5
		75	0	24.95	24.87	24.77	1.0	25.5
	16QAM	1	0	25.16	25.37	25.36	1.0	25.5
		1	37	25.37	25.24	25.06	1.0	25.5
		1	74	25.43	25.16	24.51	1.0	25.5
		36	0	24.03	23.89	23.88	2.0	24.5
		36	20	24.03	23.98	23.84	2.0	24.5
		36	39	24.06	23.91	23.85	2.0	24.5
		75	0	23.99	23.95	23.85	2.0	24.5
	64QAM	1	0	23.91	23.92	23.95	2.0	24.5
		1	37	24.01	24.00	23.98	2.0	24.5
		1	74	24.10	23.77	23.86	2.0	24.5
		36	0	22.99	22.94	23.18	3.0	23.5
		36	20	23.00	23.03	22.91	3.0	23.5
		36	39	22.96	22.99	22.91	3.0	23.5
		75	0	22.95	22.89	22.81	3.0	23.5
	256QAM	1	0	20.89	20.96	21.04	5.0	21.5
		1	37	21.18	20.96	21.01	5.0	21.5
		1	74	21.05	20.96	20.95	5.0	21.5
		36	0	20.97	20.90	20.83	5.0	21.5
		36	20	20.99	20.96	20.88	5.0	21.5
		36	39	20.90	20.95	20.90	5.0	21.5
		75	0	20.90	20.94	20.84	5.0	21.5

UL KOREA LTD. Suwon Laboratory FORM ID: FCC_27(05)
218 Maeyeong-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16675, Korea TEL: (031) 337-9902 FAX: (031) 213-5433

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	25.81	26.15	25.78	0.0	26.5
		1	25	25.82	25.90	25.77	0.0	26.5
		1	49	25.76	25.81	25.14	0.0	26.5
		25	0	24.95	24.93	24.91	1.0	25.5
		25	12	24.97	24.98	24.79	1.0	25.5
		25	25	24.95	24.95	24.55	1.0	25.5
		50	0	24.95	24.94	24.72	1.0	25.5
	16QAM	1	0	25.25	25.23	25.27	1.0	25.5
		1	25	25.22	25.26	24.87	1.0	25.5
		1	49	25.14	25.23	24.41	1.0	25.5
		25	0	23.92	24.04	23.92	2.0	24.5
		25	12	23.95	24.07	23.87	2.0	24.5
		25	25	23.96	24.00	23.65	2.0	24.5
		50	0	24.06	23.97	23.81	2.0	24.5
	64QAM	1	0	24.04	24.11	24.14	2.0	24.5
		1	25	24.11	24.16	24.17	2.0	24.5
		1	49	23.76	23.96	23.60	2.0	24.5
		25	0	22.94	22.94	22.96	3.0	23.5
		25	12	22.96	23.10	22.97	3.0	23.5
		25	25	22.95	23.04	22.93	3.0	23.5
		50	0	22.94	23.07	22.95	3.0	23.5
	256QAM	1	0	21.05	20.87	21.00	5.0	21.5
		1	25	21.19	20.97	21.06	5.0	21.5
		1	49	20.95	21.06	21.04	5.0	21.5
		25	0	20.91	20.91	20.94	5.0	21.5
		25	12	20.94	20.97	20.92	5.0	21.5
		25	25	20.93	20.89	20.92	5.0	21.5
		50	0	20.92	21.01	20.92	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	25.89	25.92	25.65	0.0	26.5
		1	12	25.93	25.93	25.42	0.0	26.5
		1	24	25.86	25.83	25.04	0.0	26.5
		12	0	25.02	24.96	24.63	1.0	25.5
		12	7	25.01	25.02	24.56	1.0	25.5
		12	13	24.98	24.94	24.43	1.0	25.5
		25	0	24.98	24.95	24.45	1.0	25.5
	16QAM	1	0	25.27	25.36	24.63	1.0	25.5
		1	12	25.37	25.46	24.64	1.0	25.5
		1	24	25.21	25.25	24.33	1.0	25.5
		12	0	24.02	24.07	23.67	2.0	24.5
		12	7	24.08	24.05	23.63	2.0	24.5
		12	13	24.03	24.01	23.52	2.0	24.5
		25	0	24.05	23.98	23.57	2.0	24.5
	64QAM	1	0	24.06	24.11	23.94	2.0	24.5
		1	12	24.16	24.19	23.96	2.0	24.5
		1	24	24.17	24.07	23.70	2.0	24.5
		12	0	22.96	23.04	23.11	3.0	23.5
		12	7	23.04	23.03	23.03	3.0	23.5
		12	13	23.03	23.00	22.96	3.0	23.5
		25	0	22.96	22.99	23.03	3.0	23.5
	256QAM	1	0	21.06	20.96	20.92	5.0	21.5
		1	12	21.06	21.24	21.13	5.0	21.5
		1	24	20.85	21.15	20.86	5.0	21.5
		12	0	20.92	21.07	20.93	5.0	21.5
		12	7	21.03	21.03	20.98	5.0	21.5
		12	13	21.00	21.01	20.86	5.0	21.5
		25	0	20.90	20.96	20.95	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	25.59	24.22
			1	0	1	99	17.33	17.31
			100	0	100	0	24.11	22.96
	2583.1	2602.9	1	99	1	0	25.81	24.61
			1	0	1	99	17.35	17.47
			100	0	100	0	24.08	23.10
	2660.2	2680	1	99	1	0	25.51	24.12
			1	0	1	99	17.16	17.19
			100	0	100	0	23.76	22.80

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	25.35	24.28
			1	0	1	99	17.37	17.44
			75	0	100	0	23.93	22.96
	2583.2	2600.3	1	74	1	0	25.60	24.14
			1	0	1	99	17.38	17.46
			75	0	100	0	23.97.	22.97
	2662.9	2680	1	74	1	0	23.79	22.84
			1	0	1	99	17.23	17.33
			75	0	100	0	23.84	22.86

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
30MHz (15MHz / 15MHz)	2503.5	2518.5	1	74	1	0	25.45	24.32
			1	0	1	74	17.40	17.51
			75	0	75	0	23.90	22.97
	2585.5	2600.5	1	74	1	0	25.59	24.37
			1	0	1	74	16.21	16.41
			75	0	75	0	23.98	23.04
	2667.5	2682.5	1	74	1	0	25.35	24.12
			1	0	1	74	17.35	17.36
			75	0	75	0	23.88	22.85

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	24.33
			1	0	1	99	17.45	17.54
			25	0	100	0	24.17	23.06
	2583.6	2595.3	1	24	1	0	25.61	24.42
			1	0	1	99	17.39	17.40
			25	0	100	0	23.99	23.05
	2668.3	2680	1	24	1	0	25.55	24.55
			1	0	1	99	17.15	17.25
			25	0	100	0	23.81	22.88

LTE Band 41 (PC2, UL CA) (ANT E)

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	26.13	24.87
			1	0	1	99	17.69	17.24
			100	0	100	0	24.36	23.39
	2583.1	2602.9	1	99	1	0	26.11	24.74
			1	0	1	99	17.94	17.74
			100	0	100	0	24.38	23.40
	2660.2	2680	1	99	1	0	26.12	24.52
			1	0	1	99	17.77	17.76
			100	0	100	0	24.36	23.41

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	26.02	24.85
			1	0	1	99	17.82	17.81
			75	0	100	0	24.37	23.41
	2583.2	2600.3	1	74	1	0	26.02	24.78
			1	0	1	99	17.88	17.85
			75	0	100	0	24.38	23.41
	2662.9	2680	1	74	1	0	26.10	24.79
			1	0	1	99	17.82	17.86
			75	0	100	0	24.40	23.42

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	26.02	24.43
			1	0	1	74	17.87	17.93
			75	0	75	0	24.35	23.35
	2585.5	2600.5	1	74	1	0	26.08	24.86
			1	0	1	74	17.91	17.84
			75	0	75	0	24.36	23.41
	2667.5	2682.5	1	74	1	0	26.07	24.76
			1	0	1	74	17.85	18.03
			75	0	75	0	24.38	23.39

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	25.85	24.53
			1	0	1	99	17.87	17.77
			25	0	100	0	24.35	23.33
	2583.6	2595.3	1	24	1	0	26.10	24.69
			1	0	1	99	17.88	17.86
			25	0	100	0	24.39	23.40
	2668.3	2680	1	24	1	0	26.08	24.71
			1	0	1	99	17.82	17.77
			25	0	100	0	24.40	23.34

LTE Band 66 (ANT B)

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)				
				Pmax / DSI = 3				
				Measured Pwr (dBm)			MPR	Tune-up Limit
				132072	132322	132572		
				1720 MHz	1745 MHz	1770 MHz		
20 MHz	QPSK	1	0	23.86	23.66	24.02	0.0	25.0
		1	49	23.89	23.67	23.98	0.0	25.0
		1	99	23.73	23.69	23.98	0.0	25.0
		50	0	22.95	22.71	23.01	1.0	24.0
		50	24	22.85	22.69	22.99	1.0	24.0
		50	50	22.79	22.70	23.00	1.0	24.0
		100	0	22.84	22.70	22.98	1.0	24.0
	16QAM	1	0	23.33	23.02	23.11	1.0	24.0
		1	49	23.33	23.05	23.25	1.0	24.0
		1	99	23.21	23.03	23.23	1.0	24.0
		50	0	21.97	21.77	21.92	2.0	23.0
		50	24	21.88	21.76	22.05	2.0	23.0
		50	50	21.83	21.75	22.05	2.0	23.0
		100	0	21.86	21.75	22.02	2.0	23.0
	64QAM	1	0	22.19	21.90	22.01	2.0	23.0
		1	49	22.22	21.91	22.11	2.0	23.0
		1	99	22.07	21.93	22.19	2.0	23.0
		50	0	20.95	20.73	20.91	3.0	22.0
		50	24	20.87	20.74	21.04	3.0	22.0
		50	50	20.84	20.70	21.03	3.0	22.0
		100	0	20.88	20.68	21.01	3.0	22.0
	256QAM	1	0	19.05	18.79	18.93	5.0	20.0
		1	49	19.03	18.76	19.20	5.0	20.0
		1	99	18.83	18.81	19.19	5.0	20.0
		50	0	18.92	18.72	18.90	5.0	20.0
		50	24	18.87	18.70	19.02	5.0	20.0
		50	50	18.80	18.68	19.00	5.0	20.0
		100	0	18.83	18.68	18.99	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	23.95	23.82	23.90	0.0	25.0
		1	37	23.90	23.74	23.91	0.0	25.0
		1	74	23.81	23.75	23.98	0.0	25.0
		36	0	22.84	22.72	22.97	1.0	24.0
		36	20	22.92	22.76	22.96	1.0	24.0
		36	39	22.87	22.76	23.02	1.0	24.0
		75	0	22.90	22.77	22.95	1.0	24.0
	16QAM	1	0	23.23	23.04	23.25	1.0	24.0
		1	37	23.21	22.99	23.30	1.0	24.0
		1	74	23.12	22.96	23.26	1.0	24.0
		36	0	21.92	21.76	22.03	2.0	23.0
		36	20	21.98	21.83	22.03	2.0	23.0
		36	39	21.94	21.79	22.09	2.0	23.0
		75	0	21.92	21.81	22.01	2.0	23.0
	64QAM	1	0	22.19	21.98	22.10	2.0	23.0
		1	37	22.13	21.94	22.17	2.0	23.0
		1	74	22.01	21.93	22.18	2.0	23.0
		36	0	20.88	20.74	21.01	3.0	22.0
		36	20	20.94	20.80	21.01	3.0	22.0
		36	39	20.93	20.78	21.08	3.0	22.0
		75	0	20.93	20.78	20.99	3.0	22.0
	256QAM	1	0	18.96	18.78	19.14	5.0	20.0
		1	37	18.99	18.77	19.23	5.0	20.0
		1	74	18.89	18.76	19.18	5.0	20.0
		36	0	18.85	18.70	18.98	5.0	20.0
		36	20	18.93	18.78	18.98	5.0	20.0
		36	39	18.89	18.75	19.04	5.0	20.0
		75	0	18.91	18.77	18.96	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	23.82	23.72	23.96	0.0	25.0
		1	25	23.95	23.80	24.02	0.0	25.0
		1	49	23.81	23.67	23.97	0.0	25.0
		25	0	22.93	22.72	23.07	1.0	24.0
		25	12	22.96	22.81	23.06	1.0	24.0
		25	25	22.94	22.80	23.12	1.0	24.0
		50	0	21.92	21.78	22.03	1.0	24.0
	16QAM	1	0	23.18	22.92	23.24	1.0	24.0
		1	25	23.24	22.96	23.37	1.0	24.0
		1	49	23.11	22.82	23.25	1.0	24.0
		25	0	21.95	21.77	22.08	2.0	23.0
		25	12	21.95	21.85	22.12	2.0	23.0
		25	25	21.95	21.82	22.18	2.0	23.0
		50	0	21.97	21.82	22.06	2.0	23.0
	64QAM	1	0	22.07	21.95	22.24	2.0	23.0
		1	25	22.17	21.96	22.30	2.0	23.0
		1	49	22.02	21.84	22.15	2.0	23.0
		25	0	20.97	20.73	21.05	3.0	22.0
		25	12	20.97	20.84	21.05	3.0	22.0
		25	25	20.94	20.80	21.15	3.0	22.0
		50	0	20.96	20.82	21.07	3.0	22.0
	256QAM	1	0	18.98	18.84	19.10	5.0	20.0
		1	25	19.14	18.91	19.23	5.0	20.0
		1	49	18.99	18.83	19.11	5.0	20.0
		25	0	18.95	18.72	19.02	5.0	20.0
		25	12	18.97	18.82	19.05	5.0	20.0
		25	25	18.94	18.79	19.12	5.0	20.0
		50	0	18.96	18.77	19.04	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	24.14	23.82	24.21	0.0	25.0
		1	12	24.14	23.90	24.29	0.0	25.0
		1	24	24.09	23.85	24.09	0.0	25.0
		12	0	23.13	22.82	23.17	1.0	24.0
		12	7	23.17	22.85	23.23	1.0	24.0
		12	13	23.04	22.80	23.28	1.0	24.0
		25	0	23.11	22.81	23.17	1.0	24.0
	16QAM	1	0	23.37	23.00	23.32	1.0	24.0
		1	12	23.43	22.94	23.39	1.0	24.0
		1	24	23.30	22.94	23.30	1.0	24.0
		12	0	22.16	21.80	22.12	2.0	23.0
		12	7	22.17	21.88	22.18	2.0	23.0
		12	13	22.05	21.82	22.23	2.0	23.0
		25	0	22.15	21.85	22.18	2.0	23.0
	64QAM	1	0	22.25	21.90	22.37	2.0	23.0
		1	12	22.34	21.97	22.55	2.0	23.0
		1	24	22.15	21.89	22.47	2.0	23.0
		12	0	21.16	20.85	21.21	3.0	22.0
		12	7	21.23	20.91	21.27	3.0	22.0
		12	13	21.10	20.86	21.31	3.0	22.0
		25	0	21.14	20.83	21.17	3.0	22.0
	256QAM	1	0	19.27	18.99	19.31	5.0	20.0
		1	12	19.34	19.11	19.48	5.0	20.0
		1	24	19.09	19.03	19.41	5.0	20.0
		12	0	19.12	18.80	19.14	5.0	20.0
		12	7	19.19	18.85	19.21	5.0	20.0
		12	13	19.06	18.85	19.26	5.0	20.0
		25	0	19.13	18.79	19.17	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	24.09	23.73	24.18	0.0	25.0
		1	8	24.14	23.85	24.36	0.0	25.0
		1	14	23.99	23.73	24.19	0.0	25.0
		8	0	23.12	22.83	23.17	1.0	24.0
		8	4	23.05	22.86	23.32	1.0	24.0
		8	7	23.03	22.85	23.30	1.0	24.0
		15	0	23.03	22.84	23.20	1.0	24.0
	16QAM	1	0	23.17	22.99	23.50	1.0	24.0
		1	8	23.17	23.01	23.62	1.0	24.0
		1	14	23.10	22.93	23.37	1.0	24.0
		8	0	22.18	21.89	22.29	2.0	23.0
		8	4	22.13	21.91	22.39	2.0	23.0
		8	7	22.11	21.90	22.40	2.0	23.0
		15	0	22.08	21.90	22.22	2.0	23.0
	64QAM	1	0	22.20	21.98	22.21	2.0	23.0
		1	8	22.40	22.14	22.47	2.0	23.0
		1	14	22.22	21.96	22.29	2.0	23.0
		8	0	21.19	20.83	21.19	3.0	22.0
		8	4	21.11	20.84	21.31	3.0	22.0
		8	7	21.14	20.85	21.30	3.0	22.0
		15	0	21.07	20.80	21.21	3.0	22.0
	256QAM	1	0	19.23	18.91	19.22	5.0	20.0
		1	8	19.38	18.98	19.50	5.0	20.0
		1	14	19.12	18.91	19.30	5.0	20.0
		8	0	19.20	18.82	19.17	5.0	20.0
		8	4	19.12	18.84	19.27	5.0	20.0
		8	7	19.12	18.80	19.29	5.0	20.0
		15	0	19.09	18.79	19.16	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	24.07	23.78	24.20	0.0	25.0
		1	3	24.00	23.78	24.21	0.0	25.0
		1	5	24.04	23.74	24.22	0.0	25.0
		3	0	24.05	23.73	24.22	0.0	25.0
		3	1	24.05	23.73	24.17	0.0	25.0
		3	3	24.03	23.72	24.18	0.0	25.0
		6	0	23.05	22.75	23.21	1.0	24.0
	16QAM	1	0	23.20	22.93	23.28	1.0	24.0
		1	3	23.13	22.96	23.26	1.0	24.0
		1	5	23.13	22.91	23.32	1.0	24.0
		3	0	23.12	22.82	23.25	1.0	24.0
		3	1	23.16	22.83	23.24	1.0	24.0
		3	3	23.13	22.82	23.22	1.0	24.0
		6	0	22.09	21.79	22.19	2.0	23.0
	64QAM	1	0	22.42	21.89	22.39	2.0	23.0
		1	3	22.36	21.90	22.47	2.0	23.0
		1	5	22.35	21.85	22.41	2.0	23.0
		3	0	22.15	21.84	22.18	2.0	23.0
		3	1	22.16	21.86	22.20	2.0	23.0
		3	3	22.15	21.81	22.24	2.0	23.0
		6	0	21.15	20.83	21.29	3.0	22.0
	256QAM	1	0	19.22	18.79	19.35	5.0	20.0
		1	3	19.22	18.84	19.41	5.0	20.0
		1	5	19.17	18.75	19.36	5.0	20.0
		3	0	19.21	18.76	19.29	5.0	20.0
		3	1	19.19	18.76	19.26	5.0	20.0
		3	3	19.20	18.76	19.29	5.0	20.0
		6	0	19.1	18.8	19.2	5.0	20.0

LTE Band 66 (ANT E)

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)				
				Pmax				
				Measured Pwr (dBm)			MPR	Tune-up Limit
				132072	132322	132572		
				1720 MHz	1745 MHz	1770 MHz		
20 MHz	QPSK	1	0	23.61	23.44	23.55	0.0	25.0
		1	49	23.62	23.47	23.72	0.0	25.0
		1	99	23.53	23.48	23.76	0.0	25.0
		50	0	22.65	22.50	22.66	1.0	24.0
		50	24	22.59	22.50	22.69	1.0	24.0
		50	50	22.56	22.50	22.75	1.0	24.0
		100	0	22.58	22.48	22.67	1.0	24.0
	16QAM	1	0	22.83	22.86	22.94	1.0	24.0
		1	49	22.94	22.90	23.09	1.0	24.0
		1	99	22.80	22.94	23.16	1.0	24.0
		50	0	21.70	21.52	21.65	2.0	23.0
		50	24	21.62	21.54	21.74	2.0	23.0
		50	50	21.60	21.51	21.79	2.0	23.0
		100	0	21.59	21.50	21.69	2.0	23.0
	64QAM	1	0	21.76	21.55	21.76	2.0	23.0
		1	49	21.93	21.57	21.93	2.0	23.0
		1	99	21.72	21.67	22.00	2.0	23.0
		50	0	20.68	20.49	20.68	3.0	22.0
		50	24	20.60	20.51	20.72	3.0	22.0
		50	50	20.57	20.49	20.78	3.0	22.0
		100	0	20.59	20.49	20.71	3.0	22.0
	256QAM	1	0	18.79	18.48	18.79	5.0	20.0
		1	49	18.82	18.56	19.03	5.0	20.0
		1	99	18.67	18.56	19.00	5.0	20.0
		50	0	18.68	18.52	18.66	5.0	20.0
		50	24	18.63	18.53	18.72	5.0	20.0
		50	50	18.60	18.49	18.79	5.0	20.0
		100	0	18.57	18.50	18.67	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	23.72	23.53	23.70	0.0	25.0
		1	37	23.74	23.50	23.77	0.0	25.0
		1	74	23.62	23.45	23.77	0.0	25.0
		36	0	22.67	22.48	22.70	1.0	24.0
		36	20	22.68	22.50	22.73	1.0	24.0
		36	39	22.61	22.48	22.83	1.0	24.0
		75	0	22.58	22.49	22.73	1.0	24.0
	16QAM	1	0	22.93	22.68	22.84	1.0	24.0
		1	37	22.95	22.64	22.91	1.0	24.0
		1	74	22.82	22.62	22.87	1.0	24.0
		36	0	21.73	21.53	21.75	2.0	23.0
		36	20	21.75	21.57	21.78	2.0	23.0
		36	39	21.62	21.53	21.87	2.0	23.0
		75	0	21.63	21.53	21.76	2.0	23.0
	64QAM	1	0	21.92	21.70	21.94	2.0	23.0
		1	37	21.90	21.71	22.04	2.0	23.0
		1	74	21.76	21.66	22.04	2.0	23.0
		36	0	20.80	20.59	20.78	3.0	22.0
		36	20	20.81	20.59	20.83	3.0	22.0
		36	39	20.72	20.59	20.88	3.0	22.0
		75	0	20.73	20.57	20.79	3.0	22.0
	256QAM	1	0	18.94	18.72	18.91	5.0	20.0
		1	37	18.96	18.72	19.03	5.0	20.0
		1	74	18.77	18.69	18.98	5.0	20.0
		36	0	18.80	18.59	18.77	5.0	20.0
		36	20	18.83	18.61	18.82	5.0	20.0
		36	39	18.71	18.59	18.89	5.0	20.0
		75	0	18.73	18.59	18.79	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	23.70	23.48	23.76	0.0	25.0
		1	25	23.75	23.50	23.86	0.0	25.0
		1	49	23.64	23.47	23.81	0.0	25.0
		25	0	22.74	22.52	22.80	1.0	24.0
		25	12	22.70	22.59	22.89	1.0	24.0
		25	25	22.65	22.53	22.89	1.0	24.0
		50	0	21.65	21.53	21.86	1.0	24.0
	16QAM	1	0	22.85	22.60	22.80	1.0	24.0
		1	25	22.90	22.72	22.94	1.0	24.0
		1	49	22.77	22.62	22.89	1.0	24.0
		25	0	21.78	21.53	21.79	2.0	23.0
		25	12	21.69	21.56	21.92	2.0	23.0
		25	25	21.69	21.56	21.93	2.0	23.0
		50	0	21.68	21.55	21.91	2.0	23.0
	64QAM	1	0	22.03	21.73	21.93	2.0	23.0
		1	25	21.97	21.68	22.22	2.0	23.0
		1	49	21.80	21.56	21.96	2.0	23.0
		25	0	20.82	20.63	20.86	3.0	22.0
		25	12	20.78	20.67	20.98	3.0	22.0
		25	25	20.79	20.62	20.98	3.0	22.0
		50	0	20.76	20.67	20.93	3.0	22.0
	256QAM	1	0	18.91	18.69	18.84	5.0	20.0
		1	25	19.02	18.82	19.08	5.0	20.0
		1	49	18.81	18.76	18.98	5.0	20.0
		25	0	18.83	18.63	18.85	5.0	20.0
		25	12	18.77	18.67	18.99	5.0	20.0
		25	25	18.79	18.64	18.96	5.0	20.0
		50	0	18.75	18.64	18.92	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	23.77	23.52	23.87	0.0	25.0
		1	12	23.81	23.61	23.97	0.0	25.0
		1	24	23.69	23.53	23.94	0.0	25.0
		12	0	22.78	22.54	22.80	1.0	24.0
		12	7	22.73	22.55	22.97	1.0	24.0
		12	13	22.70	22.52	22.88	1.0	24.0
		25	0	22.65	22.55	22.88	1.0	24.0
	16QAM	1	0	22.96	22.77	22.98	1.0	24.0
		1	12	23.02	22.81	23.09	1.0	24.0
		1	24	22.89	22.76	23.00	1.0	24.0
		12	0	21.79	21.54	21.84	2.0	23.0
		12	7	21.79	21.62	22.02	2.0	23.0
		12	13	21.73	21.56	21.97	2.0	23.0
		25	0	21.68	21.56	21.96	2.0	23.0
	64QAM	1	0	21.91	21.77	22.18	2.0	23.0
		1	12	22.09	21.90	22.30	2.0	23.0
		1	24	21.93	21.77	22.20	2.0	23.0
		12	0	20.88	20.63	20.90	3.0	22.0
		12	7	20.86	20.68	21.03	3.0	22.0
		12	13	20.83	20.65	20.99	3.0	22.0
		25	0	20.78	20.66	20.98	3.0	22.0
	256QAM	1	0	18.82	18.75	19.19	5.0	20.0
		1	12	18.89	18.76	19.24	5.0	20.0
		1	24	18.84	18.65	19.15	5.0	20.0
		12	0	18.88	18.64	18.91	5.0	20.0
		12	7	18.84	18.68	19.03	5.0	20.0
		12	13	18.78	18.63	18.98	5.0	20.0
		25	0	18.77	18.64	18.98	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	23.65	23.42	23.82	0.0	25.0
		1	8	23.80	23.55	23.95	0.0	25.0
		1	14	23.65	23.44	23.84	0.0	25.0
		8	0	22.74	22.53	22.82	1.0	24.0
		8	4	22.69	22.56	22.92	1.0	24.0
		8	7	22.67	22.52	22.91	1.0	24.0
		15	0	22.63	22.52	22.90	1.0	24.0
	16QAM	1	0	22.88	22.58	22.99	1.0	24.0
		1	8	23.07	22.73	23.07	1.0	24.0
		1	14	22.85	22.57	23.06	1.0	24.0
		8	0	21.83	21.56	21.86	2.0	23.0
		8	4	21.79	21.58	21.94	2.0	23.0
		8	7	21.75	21.57	21.95	2.0	23.0
		15	0	21.71	21.57	21.92	2.0	23.0
	64QAM	1	0	21.91	21.79	22.03	2.0	23.0
		1	8	22.08	21.96	22.17	2.0	23.0
		1	14	21.89	21.82	22.04	2.0	23.0
		8	0	20.89	20.64	20.94	3.0	22.0
		8	4	20.84	20.68	21.04	3.0	22.0
		8	7	20.85	20.66	21.03	3.0	22.0
		15	0	20.82	20.65	20.99	3.0	22.0
	256QAM	1	0	18.94	18.67	18.92	5.0	20.0
		1	8	19.06	18.76	19.16	5.0	20.0
		1	14	18.85	18.64	19.01	5.0	20.0
		8	0	18.87	18.64	18.95	5.0	20.0
		8	4	18.84	18.68	19.03	5.0	20.0
		8	7	18.82	18.67	19.02	5.0	20.0
		15	0	18.78	18.62	18.96	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	23.81	23.48	23.66	0.0	25.0
		1	3	23.80	23.41	23.60	0.0	25.0
		1	5	23.80	23.43	23.64	0.0	25.0
		3	0	23.84	23.41	23.62	0.0	25.0
		3	1	23.82	23.46	23.65	0.0	25.0
		3	3	23.82	23.45	23.64	0.0	25.0
		6	0	22.84	22.45	22.70	1.0	24.0
	16QAM	1	0	22.96	22.59	22.73	1.0	24.0
		1	3	22.96	22.62	22.79	1.0	24.0
		1	5	22.94	22.62	22.75	1.0	24.0
		3	0	22.89	22.53	22.74	1.0	24.0
		3	1	22.88	22.48	22.76	1.0	24.0
		3	3	22.88	22.46	22.74	1.0	24.0
		6	0	21.91	21.50	21.76	2.0	23.0
	64QAM	1	0	21.78	21.74	22.19	2.0	23.0
		1	3	21.88	21.75	22.18	2.0	23.0
		1	5	21.84	21.75	22.19	2.0	23.0
		3	0	21.87	21.65	22.02	2.0	23.0
		3	1	21.82	21.65	22.03	2.0	23.0
		3	3	21.83	21.65	22.04	2.0	23.0
		6	0	20.72	20.58	20.90	3.0	22.0
	256QAM	1	0	18.85	18.72	19.09	5.0	20.0
		1	3	18.88	18.71	19.08	5.0	20.0
		1	5	18.85	18.71	19.09	5.0	20.0
		3	0	18.81	18.60	18.99	5.0	20.0
		3	1	18.80	18.60	18.98	5.0	20.0
		3	3	18.82	18.65	18.97	5.0	20.0
		6	0	18.83	18.59	19.01	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	23.74	22.86
			1	0	1	49	12.78	12.70
			50	0	50	0	21.43	20.39
	1740.1	1750	1	49	1	0	23.30	22.31
			1	0	1	49	13.12	12.96
			50	0	50	0	21.55	20.63
	1765.1	1775.0	1	49	1	0	23.46	22.72
			1	0	1	49	13.25	13.11
			50	0	50	0	21.74	20.80

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	23.69	22.70
			1	0	1	49	13.92	13.92
			25	0	50	0	21.94	20.97
	1740.2	1747.5	1	24	1	0	23.31	22.37
			1	0	1	49	13.59	13.48
			25	0	50	0	21.60	20.57
	1767.8	1775.0	1	24	1	0	23.51	22.55
			1	0	1	49	13.73	13.66
			25	0	50	0	21.81	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
10MHz (5MHz / 5MHz)	1712.5	1717.3	1	24	1	0	23.15	22.26
			1	0	1	24	13.94	14.06
			25	0	25	0	22.02	21.05
	1742.6	1747.4	1	24	1	0	23.35	22.31
			1	0	1	24	13.59	13.55
			25	0	25	0	21.63	20.66
	1772.7	1777.5	1	24	1	0	23.54	22.64
			1	0	1	24	13.79	13.74
			25	0	25	0	21.88	20.84

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

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	23.95	23.10
			1	0	1	49	13.66	13.74
			50	0	50	0	22.31	21.31
	1740.1	1750	1	49	1	0	23.56	22.83
			1	0	1	49	13.46	13.62
			50	0	50	0	21.95	20.98
	1765.1	1775.0	1	49	1	0	23.81	22.79
			1	0	1	49	13.55	13.71
			50	0	50	0	22.07	21.16

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	23.88	23.08
			1	0	1	49	14.32	14.36
			25	0	50	0	22.33	21.25
	1740.2	1747.5	1	24	1	0	23.63	22.85
			1	0	1	49	14.09	14.20
			25	0	50	0	22.05	21.03
	1767.8	1775.0	1	24	1	0	23.80	23.07
			1	0	1	49	17.21	14.38
			25	0	50	0	22.12	21.21

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	22.37	21.38
			1	0	1	24	14.32	14.41
			25	0	25	0	22.38	21.38
	1742.6	1747.4	1	24	1	0	23.68	22.99
			1	0	1	24	14.06	14.20
			25	0	25	0	22.04	21.11
	1772.7	1777.5	1	24	1	0	23.93	23.09
			1	0	1	24	14.21	14.34
			25	0	25	0	22.27	21.29

LTE Band 66C (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	25.59	24.22
			1	0	1	99	17.33	17.31
			100	0	100	0	24.11	22.96
	2583.1	2602.9	1	99	1	0	25.81	24.61
			1	0	1	99	17.35	17.47
			100	0	100	0	24.08	23.10
	2660.2	2680	1	99	1	0	25.51	24.12
			1	0	1	99	17.16	17.19
			100	0	100	0	23.76	22.80

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	25.35	24.28
			1	0	1	99	17.37	17.44
			75	0	100	0	23.93	22.96
	2583.2	2600.3	1	74	1	0	25.60	24.14
			1	0	1	99	17.38	17.46
			75	0	100	0	23.97.	22.97
	2662.9	2680	1	74	1	0	23.79	22.84
			1	0	1	99	17.23	17.33
			75	0	100	0	23.84	22.86

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
30MHz (15MHz / 15MHz)	2503.5	2518.5	1	74	1	0	25.45	24.32
			1	0	1	74	17.40	17.51
			75	0	75	0	23.90	22.97
	2585.5	2600.5	1	74	1	0	25.59	24.37
			1	0	1	74	16.21	16.41
			75	0	75	0	23.98	23.04
	2667.5	2682.5	1	74	1	0	25.35	24.12
			1	0	1	74	17.35	17.36
			75	0	75	0	23.88	22.85

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	24.33
			1	0	1	99	17.45	17.54
			25	0	100	0	24.17	23.06
	2583.6	2595.3	1	24	1	0	25.61	24.42
			1	0	1	99	17.39	17.40
			25	0	100	0	23.99	23.05
	2668.3	2680	1	24	1	0	25.55	24.55
			1	0	1	99	17.15	17.25
			25	0	100	0	23.81	22.88

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

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	24.13	23.41
			1	0	1	99	15.84	15.91
			100	0	100	0	22.37	21.58
	1735.1	1754.9	1	99	1	0	23.89	23.12
			1	0	1	99	15.82	15.93
			100	0	100	0	22.32	21.32
	1750.2	1770.0	1	99	1	0	23.98	23.29
			1	0	1	99	15.78	15.91
			100	0	100	0	22.31	21.34

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	24.11	23.34
			1	0	1	99	15.92	15.94
			75	0	100	0	22.43	21.44
	1735.3	1752.3	1	74	1	0	23.87	23.20
			1	0	1	99	15.84	15.96
			75	0	100	0	22.27	22.93
	1752.9	1770.0	1	74	1	0	24.01	23.20
			1	0	1	99	15.81	15.93
			75	0	100	0	22.33	21.35

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	24.07	23.40
			1	0	1	74	15.94	16.10
			75	0	75	0	22.43	21.46
	1737.5	1752.5	1	74	1	0	23.96	23.27
			1	0	1	74	15.92	16.02
			75	0	75	0	22.26	21.30
	1757.5	1772.5	1	74	1	0	24.06	23.25
			1	0	1	74	15.84	15.99
			75	0	75	0	22.34	21.37

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	22.53	21.58
			1	0	1	99	15.95	16.06
			25	0	100	0	22.51	21.54
	1735.6	1747.3	1	24	1	0	24.03	23.19
			1	0	1	99	15.84	15.88
			25	0	100	0	22.23	21.21
	1758.3	1770.0	1	24	1	0	24.01	23.35
			1	0	1	99	15.85	15.93
			25	0	100	0	22.33	21.35

LTE Band 71 (ANT A)

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)				
				Pmax / DSI = 1, 3				
				Measured Pwr (dBm)			MPR	Tune-up Limit
				133222	133297	133372		
				673 MHz	680.5 MHz	688 MHz		
20 MHz	QPSK	1	0	24.46	24.25	24.18	0.0	25.2
		1	49	24.33	24.20	23.93	0.0	25.2
		1	99	24.12	23.83	23.60	0.0	25.2
		50	0	23.40	23.30	23.11	1.0	24.2
		50	24	23.33	23.20	23.01	1.0	24.2
		50	50	23.27	22.99	22.81	1.0	24.2
		100	0	23.34	23.07	23.00	1.0	24.2
	16QAM	1	0	23.88	23.62	23.68	1.0	24.2
		1	49	23.68	23.40	23.33	1.0	24.2
		1	99	23.52	23.10	22.97	1.0	24.2
		50	0	22.45	22.29	22.13	2.0	23.2
		50	24	22.38	22.20	22.03	2.0	23.2
		50	50	22.27	21.99	21.82	2.0	23.2
		100	0	22.37	22.09	22.00	2.0	23.2
	64QAM	1	0	22.57	22.50	22.36	2.0	23.2
		1	49	22.47	22.35	22.20	2.0	23.2
		1	99	22.28	22.04	21.84	2.0	23.2
		50	0	21.41	21.25	21.11	3.0	22.2
		50	24	21.34	21.17	21.02	3.0	22.2
		50	50	21.25	20.97	20.81	3.0	22.2
		100	0	21.34	21.06	21.00	3.0	22.2
	256QAM	1	0	19.50	19.46	19.41	5.0	20.2
		1	49	19.46	19.39	19.22	5.0	20.2
		1	99	19.21	18.89	18.80	5.0	20.2
		50	0	19.42	19.27	19.13	5.0	20.2
		50	24	19.36	19.20	19.04	5.0	20.2
		50	50	19.27	18.99	18.84	5.0	20.2
		100	0	19.36	19.11	19.02	5.0	20.2
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	24.41	24.32	24.09	0.0	25.2
		1	37	24.37	24.21	23.87	0.0	25.2
		1	74	24.22	23.96	23.58	0.0	25.2
		36	0	23.38	23.25	23.00	1.0	24.2
		36	20	23.34	23.17	22.92	1.0	24.2
		36	39	23.28	23.08	22.73	1.0	24.2
		75	0	23.34	23.15	22.90	1.0	24.2
	16QAM	1	0	23.69	23.58	23.38	1.0	24.2
		1	37	23.64	23.51	23.16	1.0	24.2
		1	74	23.51	23.21	22.86	1.0	24.2
		36	0	22.44	22.26	22.03	2.0	23.2
		36	20	22.41	22.20	21.95	2.0	23.2
		36	39	22.35	22.14	21.79	2.0	23.2
		75	0	22.38	22.17	21.94	2.0	23.2
	64QAM	1	0	22.64	22.45	22.24	2.0	23.2
		1	37	22.56	22.42	22.06	2.0	23.2
		1	74	22.41	22.13	21.75	2.0	23.2
		36	0	21.42	21.23	21.04	3.0	22.2
		36	20	21.38	21.22	20.94	3.0	22.2
		36	39	21.31	21.12	20.78	3.0	22.2
		75	0	21.37	21.16	20.94	3.0	22.2
	256QAM	1	0	19.46	19.28	19.29	5.0	20.2
		1	37	19.49	19.28	19.07	5.0	20.2
		1	74	19.36	18.97	18.74	5.0	20.2
		36	0	19.41	19.24	19.02	5.0	20.2
		36	20	19.38	19.21	18.94	5.0	20.2
		36	39	19.31	19.13	18.78	5.0	20.2
		75	0	19.40	19.16	18.94	5.0	20.2

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	24.44	24.23	23.94	0.0	25.2
		1	25	24.40	24.20	23.87	0.0	25.2
		1	49	24.33	23.99	23.66	0.0	25.2
		25	0	23.43	23.26	22.92	1.0	24.2
		25	12	23.43	23.24	22.90	1.0	24.2
		25	25	23.37	23.09	22.71	1.0	24.2
		50	0	23.42	23.20	22.88	1.0	24.2
	16QAM	1	0	23.65	23.64	23.30	1.0	24.2
		1	25	23.62	23.56	23.20	1.0	24.2
		1	49	23.54	23.42	22.94	1.0	24.2
		25	0	22.49	22.29	21.96	2.0	23.2
		25	12	22.47	22.27	21.92	2.0	23.2
		25	25	22.42	22.12	21.78	2.0	23.2
		50	0	22.43	22.22	21.90	2.0	23.2
	64QAM	1	0	22.66	22.48	22.13	2.0	23.2
		1	25	22.66	22.40	22.06	2.0	23.2
		1	49	22.54	22.23	21.83	2.0	23.2
		25	0	21.47	21.25	20.94	3.0	22.2
		25	12	21.45	21.25	20.89	3.0	22.2
		25	25	21.38	21.08	20.76	3.0	22.2
		50	0	21.44	21.21	20.89	3.0	22.2
	256QAM	1	0	19.57	19.34	19.03	5.0	20.2
		1	25	19.61	19.36	19.05	5.0	20.2
		1	49	19.44	19.11	18.76	5.0	20.2
		25	0	19.45	19.25	18.93	5.0	20.2
		25	12	19.48	19.26	18.90	5.0	20.2
		25	25	19.44	19.11	18.77	5.0	20.2
		50	0	19.45	19.22	18.90	5.0	20.2

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	24.54	24.34	23.75	0.0	25.2
		1	12	24.50	24.37	23.75	0.0	25.2
		1	24	24.43	24.15	23.61	0.0	25.2
		12	0	23.46	23.26	22.81	1.0	24.2
		12	7	23.46	23.19	22.81	1.0	24.2
		12	13	23.41	23.14	22.63	1.0	24.2
		25	0	23.44	23.16	22.76	1.0	24.2
	16QAM	1	0	23.89	23.72	23.24	1.0	24.2
		1	12	23.81	23.79	23.23	1.0	24.2
		1	24	23.75	23.58	23.07	1.0	24.2
		12	0	22.60	22.18	21.89	2.0	23.2
		12	7	22.58	22.13	21.90	2.0	23.2
		12	13	22.55	22.06	21.76	2.0	23.2
		25	0	22.42	22.17	21.77	2.0	23.2
	64QAM	1	0	22.78	22.51	21.94	2.0	23.2
		1	12	22.75	22.60	21.87	2.0	23.2
		1	24	22.60	22.39	21.69	2.0	23.2
		12	0	21.52	21.31	20.79	3.0	22.2
		12	7	21.51	21.28	20.83	3.0	22.2
		12	13	21.45	21.18	20.67	3.0	22.2
		25	0	21.42	21.21	20.78	3.0	22.2
	256QAM	1	0	19.64	19.57	18.94	5.0	20.2
		1	12	19.62	19.54	19.00	5.0	20.2
		1	24	19.46	19.34	18.71	5.0	20.2
		12	0	19.48	19.34	18.80	5.0	20.2
		12	7	19.51	19.27	18.86	5.0	20.2
		12	13	19.43	19.19	18.71	5.0	20.2
		25	0	19.45	19.20	18.79	5.0	20.2

LTE Band 71 (ANT D)

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)				
				Pmax / DSI = 1, 3				
				Measured Pwr (dBm)			MPR	Tune-up Limit
				133222	133297	133372		
				673 MHz	680.5 MHz	688 MHz		
20 MHz	QPSK	1	0	24.33	24.25	24.18	0.0	25.2
		1	49	24.27	24.11	23.92	0.0	25.2
		1	99	24.07	23.77	23.55	0.0	25.2
		50	0	23.36	23.23	23.05	1.0	24.2
		50	24	23.29	23.13	22.95	1.0	24.2
		50	50	23.22	22.92	22.77	1.0	24.2
		100	0	23.29	23.03	22.97	1.0	24.2
	16QAM	1	0	23.76	23.56	23.58	1.0	24.2
		1	49	23.63	23.34	23.34	1.0	24.2
		1	99	23.45	23.00	22.98	1.0	24.2
		50	0	22.37	22.23	22.08	2.0	23.2
		50	24	22.31	22.16	21.97	2.0	23.2
		50	50	22.23	21.95	21.77	2.0	23.2
		100	0	22.33	22.04	21.97	2.0	23.2
	64QAM	1	0	22.46	22.30	22.38	2.0	23.2
		1	49	22.39	22.18	22.14	2.0	23.2
		1	99	22.20	21.85	21.59	2.0	23.2
		50	0	21.28	21.13	21.00	3.0	22.2
		50	24	21.21	21.07	20.90	3.0	22.2
		50	50	21.13	20.85	20.67	3.0	22.2
		100	0	21.23	20.97	20.89	3.0	22.2
	256QAM	1	0	19.39	19.44	19.28	5.0	20.2
		1	49	19.30	19.27	19.02	5.0	20.2
		1	99	18.97	18.87	18.56	5.0	20.2
		50	0	19.28	19.15	18.98	5.0	20.2
		50	24	19.24	19.05	18.91	5.0	20.2
		50	50	19.14	18.86	18.69	5.0	20.2
		100	0	19.22	18.98	18.88	5.0	20.2
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	24.32	24.19	23.96	0.0	25.2
		1	37	24.28	24.12	23.77	0.0	25.2
		1	74	24.16	23.87	23.50	0.0	25.2
		36	0	23.29	23.12	22.90	1.0	24.2
		36	20	23.26	23.09	22.84	1.0	24.2
		36	39	23.21	22.99	22.66	1.0	24.2
		75	0	23.27	23.03	22.80	1.0	24.2
	16QAM	1	0	23.58	23.43	23.28	1.0	24.2
		1	37	23.56	23.41	23.09	1.0	24.2
		1	74	23.42	23.10	22.78	1.0	24.2
		36	0	22.34	22.15	21.94	2.0	23.2
		36	20	22.32	22.12	21.85	2.0	23.2
		36	39	22.24	22.01	21.69	2.0	23.2
		75	0	22.29	22.08	21.87	2.0	23.2
	64QAM	1	0	22.49	22.30	22.16	2.0	23.2
		1	37	22.46	22.23	21.96	2.0	23.2
		1	74	22.37	21.92	21.66	2.0	23.2
		36	0	21.30	21.11	20.92	3.0	22.2
		36	20	21.26	21.07	20.83	3.0	22.2
		36	39	21.19	20.98	20.63	3.0	22.2
		75	0	21.26	21.04	20.84	3.0	22.2
	256QAM	1	0	19.35	19.29	19.20	5.0	20.2
		1	37	19.32	19.29	18.98	5.0	20.2
		1	74	19.21	18.97	18.63	5.0	20.2
		36	0	19.29	19.11	18.88	5.0	20.2
		36	20	19.26	19.07	18.83	5.0	20.2
		36	39	19.21	19.00	18.65	5.0	20.2
		75	0	19.26	19.05	18.82	5.0	20.2

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	24.34	24.15	23.83	0.0	25.2
		1	25	24.31	24.06	23.71	0.0	25.2
		1	49	24.22	23.91	23.53	0.0	25.2
		25	0	23.34	23.16	22.81	1.0	24.2
		25	12	23.33	23.11	22.79	1.0	24.2
		25	25	23.26	22.96	22.63	1.0	24.2
		50	0	23.31	23.09	22.77	1.0	24.2
	16QAM	1	0	23.62	23.37	23.16	1.0	24.2
		1	25	23.63	23.28	23.07	1.0	24.2
		1	49	23.43	23.11	22.88	1.0	24.2
		25	0	22.37	22.18	21.85	2.0	23.2
		25	12	22.35	22.16	21.82	2.0	23.2
		25	25	22.25	22.01	21.68	2.0	23.2
		50	0	22.34	22.09	21.81	2.0	23.2
	64QAM	1	0	22.60	22.29	22.07	2.0	23.2
		1	25	22.53	22.25	21.96	2.0	23.2
		1	49	22.41	22.08	21.75	2.0	23.2
		25	0	21.34	21.12	20.85	3.0	22.2
		25	12	21.33	21.10	20.80	3.0	22.2
		25	25	21.31	20.92	20.64	3.0	22.2
		50	0	21.35	21.06	20.78	3.0	22.2
	256QAM	1	0	19.46	19.22	18.95	5.0	20.2
		1	25	19.44	19.26	18.95	5.0	20.2
		1	49	19.29	19.00	18.68	5.0	20.2
		25	0	19.32	19.11	18.83	5.0	20.2
		25	12	19.32	19.10	18.81	5.0	20.2
		25	25	19.28	18.98	18.65	5.0	20.2
		50	0	19.33	19.09	18.77	5.0	20.2

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	24.42	24.18	23.69	0.0	25.2
		1	12	24.40	24.18	23.72	0.0	25.2
		1	24	24.33	24.07	23.49	0.0	25.2
		12	0	23.36	23.19	22.67	1.0	24.2
		12	7	23.34	23.14	22.66	1.0	24.2
		12	13	23.33	23.07	22.52	1.0	24.2
		25	0	23.34	23.06	22.61	1.0	24.2
	16QAM	1	0	23.98	23.71	23.09	1.0	24.2
		1	12	23.88	23.75	22.99	1.0	24.2
		1	24	23.75	23.58	22.87	1.0	24.2
		12	0	22.41	22.18	21.70	2.0	23.2
		12	7	22.41	22.14	21.70	2.0	23.2
		12	13	22.36	22.10	21.55	2.0	23.2
		25	0	22.34	22.12	21.64	2.0	23.2
	64QAM	1	0	22.67	22.26	21.78	2.0	23.2
		1	12	22.59	22.34	21.83	2.0	23.2
		1	24	22.53	22.14	21.61	2.0	23.2
		12	0	21.42	21.18	20.69	3.0	22.2
		12	7	21.41	21.12	20.73	3.0	22.2
		12	13	21.37	21.05	20.57	3.0	22.2
		25	0	21.32	21.05	20.66	3.0	22.2
	256QAM	1	0	19.41	19.30	18.74	5.0	20.2
		1	12	19.46	19.33	18.77	5.0	20.2
		1	24	19.32	19.11	18.56	5.0	20.2
		12	0	19.39	19.19	18.69	5.0	20.2
		12	7	19.41	19.14	18.70	5.0	20.2
		12	13	19.34	19.07	18.56	5.0	20.2
		25	0	19.30	19.06	18.63	5.0	20.2

NR Band n7 (ANT B)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)			MPR	Tune-up Limit
					Pmax / DSI = 3				
					Measured Pwr (dBm)				
					504000	507000	510000		
					2520.00 MHz	2535.00 MHz	2550.00 MHz		
40 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.23	23.34	23.46	0.0	24.0
			1	107	23.33	23.30	23.17	0.0	24.0
			1	214	23.33	23.22	23.04	0.0	24.0
			108	0	22.33	22.39	22.42	0.5	23.5
			108	54	23.36	23.45	23.33	0.0	24.0
			108	108	22.41	22.36	22.11	0.5	23.5
			216	0	22.45	22.47	22.32	0.5	23.5
		QPSK	1	1	23.34	23.41	23.40	0.0	24.0
			1	107	23.38	23.32	23.13	0.0	24.0
			1	214	23.38	23.18	23.07	0.0	24.0
			108	0	22.32	22.41	22.39	1.0	23.0
			108	54	23.41	23.49	23.35	0.0	24.0
			108	108	22.40	22.41	22.12	1.0	23.0
			216	0	22.44	22.36	22.36	1.0	23.0
		16QAM	1	1	22.11	22.23	22.28	1.0	23.0
			1	107	22.24	22.20	22.12	1.0	23.0
			1	214	22.23	22.07	21.90	1.0	23.0
		64QAM	1	1	20.84	20.92	21.03	2.5	21.5
		256QAM	1	1	18.23	18.37	18.41	4.5	19.5
	CP-OFDM	QPSK	1	1	21.84	22.01	22.06	1.5	22.5
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					503500	507000	510500		
					2517.50 MHz	2535.00 MHz	2552.50 MHz		
35 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.22	23.16	23.12	0.0	24.0
			1	93	23.29	23.33	23.10	0.0	24.0
			1	186	23.13	23.07	22.83	0.0	24.0
			90	0	22.23	22.36	22.21	0.5	23.5
			90	49	23.34	23.27	23.13	0.0	24.0
			90	98	22.30	22.20	22.03	0.5	23.5
			180	0	22.23	22.23	22.20	0.5	23.5
		QPSK	1	1	23.16	23.18	23.23	0.0	24.0
			1	93	23.28	23.31	23.19	0.0	24.0
			1	186	23.18	23.01	22.90	0.0	24.0
			90	0	22.23	22.33	22.17	1.0	23.0
			90	49	23.34	23.32	23.18	0.0	24.0
			90	98	22.35	22.26	21.99	1.0	23.0
			180	0	22.23	22.23	22.17	1.0	23.0
		16QAM	1	1	22.15	22.17	22.14	1.0	23.0
			1	93	22.07	22.08	21.94	1.0	23.0
			1	186	22.12	21.86	21.83	1.0	23.0
		64QAM	1	1	20.91	20.92	20.80	2.5	21.5
		256QAM	1	1	18.29	18.30	18.25	4.5	19.5
	CP-OFDM	QPSK	1	1	21.89	21.86	21.91	1.5	22.5
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					503000	507000	511000		
					2515.00 MHz	2535.00 MHz	2555.00 MHz		
30 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.29	23.32	23.19	0.0	24.0
			1	79	23.35	23.28	23.00	0.0	24.0
			1	158	23.37	23.16	22.85	0.0	24.0
			80	0	22.33	22.29	22.17	0.5	23.5
			80	40	23.25	23.36	23.04	0.0	24.0
			80	80	22.25	22.17	21.92	0.5	23.5
			160	0	22.23	22.21	21.97	0.5	23.5
		QPSK	1	1	23.17	23.28	23.19	0.0	24.0
			1	79	23.20	23.31	23.05	0.0	24.0
			1	158	23.31	23.15	22.89	0.0	24.0
			80	0	22.21	22.34	22.21	1.0	23.0
			80	40	23.31	23.30	23.14	0.0	24.0
			80	80	22.21	22.13	21.90	1.0	23.0
			160	0	22.22	22.26	22.03	1.0	23.0
		16QAM	1	1	21.99	22.14	22.06	1.0	23.0
			1	79	22.00	22.04	21.82	1.0	23.0
			1	158	22.06	21.94	21.69	1.0	23.0
		64QAM	1	1	20.88	20.91	20.84	2.5	21.5
		256QAM	1	1	18.23	18.29	18.20	4.5	19.5
	CP-OFDM	QPSK	1	1	21.87	22.01	21.77	1.5	22.5

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR
					502500	507000	511500	
					2512.50 MHz	2535.00 MHz	2557.50 MHz	
25 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.13	23.31	23.23	0.0
			1	66	23.25	23.38	23.03	0.0
			1	131	23.35	23.29	22.95	0.0
			64	0	22.26	22.34	22.06	0.5
			64	34	23.32	23.27	23.02	0.0
			64	69	22.28	22.21	21.83	0.5
			128	0	22.21	22.24	22.00	0.5
		QPSK	1	1	23.03	23.36	23.24	0.0
			1	66	23.26	23.28	23.04	0.0
			1	131	23.39	23.16	22.92	0.0
			64	0	22.25	22.26	22.03	1.0
			64	34	23.32	23.25	23.07	0.0
			64	69	22.25	22.22	21.88	1.0
			128	0	22.23	22.19	22.03	1.0
		16QAM	1	1	22.02	22.17	22.06	1.0
			1	66	22.18	22.09	21.85	1.0
			1	131	22.22	22.05	21.70	1.0
		64QAM	1	1	20.87	20.90	20.86	2.5
		256QAM	1	1	18.33	18.30	18.22	4.5
	CP-OFDM	QPSK	1	1	21.92	21.95	21.80	1.5
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR
					502000	507000	512000	
					2510.00 MHz	2535.00 MHz	2560.00 MHz	
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.21	23.28	23.27	0.0
			1	52	23.22	23.30	23.20	0.0
			1	104	23.20	23.15	23.15	0.0
			50	0	22.23	22.22	22.26	0.5
			50	28	23.29	23.33	23.30	0.0
			50	56	22.24	22.18	22.20	0.5
			100	0	22.31	22.22	22.31	0.5
		QPSK	1	1	23.29	23.29	23.26	0.0
			1	52	23.26	23.27	23.23	0.0
			1	104	23.30	23.26	23.23	0.0
			50	0	22.26	22.29	22.26	1.0
			50	28	23.31	23.32	23.26	0.0
			50	56	22.23	22.27	22.21	1.0
			100	0	22.34	22.23	22.37	1.0
		16QAM	1	1	22.15	22.13	22.03	1.0
			1	52	22.16	22.11	22.08	1.0
			1	104	22.09	22.01	22.00	1.0
		64QAM	1	1	20.84	20.89	20.86	2.5
		256QAM	1	1	18.17	18.13	18.16	4.5
	CP-OFDM	QPSK	1	1	21.91	21.91	21.76	1.5
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR
					501500	507000	512500	
					2507.50 MHz	2535.00 MHz	2562.50 MHz	
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.29	23.38	23.15	0.0
			1	39	23.29	23.31	23.02	0.0
			1	77	23.27	23.27	23.00	0.0
			36	0	22.28	22.27	21.97	0.5
			36	21	23.24	23.42	23.09	0.0
			36	43	22.22	22.14	21.91	0.5
			75	0	22.22	22.19	21.96	0.5
		QPSK	1	1	23.24	23.29	23.12	0.0
			1	39	23.16	23.29	22.96	0.0
			1	77	23.21	23.24	22.96	0.0
			36	0	22.21	22.27	22.08	1.0
			36	21	23.36	23.38	23.04	0.0
			36	43	22.21	22.22	21.92	1.0
			75	0	22.25	22.29	21.96	1.0
		16QAM	1	1	22.01	22.13	21.93	1.0
			1	39	22.11	22.09	21.79	1.0
			1	77	22.12	22.10	21.76	1.0
		64QAM	1	1	20.83	20.92	20.66	2.5
		256QAM	1	1	18.29	18.32	18.08	4.5
	CP-OFDM	QPSK	1	1	21.91	21.93	21.70	1.5

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR
					501000	507000	513000	
					2505.00 MHz	2535.00 MHz	2565.00 MHz	
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.09	23.34	22.95	0.0
			1	25	23.26	23.23	22.88	0.0
			1	50	23.26	23.23	22.80	0.0
			25	0	22.15	22.22	21.93	0.5
			25	13	23.21	23.21	22.91	0.0
			25	27	22.15	22.15	21.79	0.5
			50	0	22.15	22.13	21.78	0.5
		QPSK	1	1	23.02	23.22	22.97	0.0
			1	25	23.02	23.32	22.85	0.0
			1	50	23.24	23.16	22.81	0.0
			25	0	22.17	22.25	21.85	1.0
			25	13	23.11	23.20	22.86	0.0
			25	27	22.20	22.25	21.82	1.0
			50	0	22.25	22.23	21.81	1.0
		16QAM	1	1	22.15	22.00	21.82	1.0
			1	25	22.05	22.06	21.64	1.0
			1	50	22.08	22.04	21.65	1.0
		64QAM	1	1	20.93	20.90	20.59	2.5
		256QAM	1	1	18.17	18.17	17.89	4.5
	CP-OFDM	QPSK	1	1	21.88	21.91	21.58	1.5
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR
					500500	507000	513500	
					2502.50 MHz	2535.00 MHz	2567.50 MHz	
5 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.18	23.21	22.81	0.0
			1	12	23.14	23.35	22.89	0.0
			1	23	23.10	23.21	22.84	0.0
			12	0	22.11	22.09	21.78	0.5
			12	6	23.15	23.27	22.88	0.0
			12	13	22.24	22.23	21.80	0.5
			25	0	22.27	22.15	21.84	0.5
		QPSK	1	1	23.03	23.25	22.84	0.0
			1	12	23.10	23.24	22.94	0.0
			1	23	23.16	23.11	22.77	0.0
			12	0	22.12	22.16	21.79	1.0
			12	6	23.01	23.32	22.85	0.0
			12	13	22.27	22.13	21.82	1.0
			25	0	22.21	22.22	21.87	1.0
		16QAM	1	1	22.06	22.05	21.72	1.0
			1	12	22.03	22.15	21.71	1.0
			1	23	22.19	22.04	21.72	1.0
		64QAM	1	1	20.91	20.82	20.50	2.5
		256QAM	1	1	18.24	18.20	17.81	4.5
	CP-OFDM	QPSK	1	1	21.84	21.92	21.48	1.5

NR Band n7 (ANT E)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)			MPR	Tune-up Limit
					Pmax / DSI =3				
					Measured Pwr (dBm)				
					504000	507000	510000		
					2520.00 MHz	2535.00 MHz	2550.00 MHz		
40 MHz	DFT-s-OFDM	π/2 BPSK	1	1	22.26	22.44	22.48	0.0	24.0
			1	107	22.37	22.34	22.40	0.0	24.0
			1	214	22.48	22.45	22.62	0.0	24.0
			108	0	21.37	21.43	21.46	0.5	23.5
			108	54	22.42	22.52	22.56	0.0	24.0
			108	108	21.48	21.40	21.52	0.5	23.5
			216	0	21.46	21.47	21.57	0.5	23.5
		QPSK	1	1	22.36	22.45	**22.49**	0.0	24.0
			1	107	22.32	22.37	22.41	0.0	24.0
			1	214	22.40	**22.49**	22.40	0.0	24.0
			108	0	21.34	21.46	21.50	1.0	23.0
			108	54	22.43	**22.55**	22.54	0.0	24.0
			108	108	21.41	21.44	21.51	1.0	23.0
			216	0	21.49	21.51	21.53	1.0	23.0
		16QAM	1	1	21.22	21.30	21.32	1.0	23.0
			1	107	21.25	21.39	21.35	1.0	23.0
			1	214	21.36	21.29	21.43	1.0	23.0
		64QAM	1	1	19.87	20.09	20.14	2.5	21.5
		256QAM	1	1	17.34	17.51	17.54	4.5	19.5
	CP-OFDM	QPSK	1	1	20.87	21.14	21.16	1.5	22.5
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					503500	507000	510500		
					2517.50 MHz	2535.00 MHz	2552.50 MHz		
35 MHz	DFT-s-OFDM	π/2 BPSK	1	1	22.55	22.47	22.31	0.0	24.0
			1	93	22.56	22.37	22.65	0.0	24.0
			1	186	22.37	22.49	22.65	0.0	24.0
			90	0	21.53	21.53	21.56	0.5	23.5
			90	49	22.68	22.58	22.69	0.0	24.0
			90	98	21.49	21.44	21.61	0.5	23.5
			180	0	21.54	21.49	21.65	0.5	23.5
		QPSK	1	1	22.51	22.46	22.35	0.0	24.0
			1	93	22.58	22.42	22.66	0.0	24.0
			1	186	22.40	22.53	22.70	0.0	24.0
			90	0	21.60	21.58	21.52	1.0	23.0
			90	49	22.68	22.54	22.75	0.0	24.0
			90	98	21.54	21.51	21.60	1.0	23.0
			180	0	21.50	21.52	21.66	1.0	23.0
		16QAM	1	1	21.51	21.42	21.34	1.0	23.0
			1	93	21.41	21.32	21.55	1.0	23.0
			1	186	21.42	21.49	21.64	1.0	23.0
		64QAM	1	1	20.23	20.14	20.07	2.5	21.5
		256QAM	1	1	17.61	17.54	17.43	4.5	19.5
	CP-OFDM	QPSK	1	1	21.32	21.27	20.98	1.5	22.5
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					503000	507000	511000		
					2515.00 MHz	2535.00 MHz	2555.00 MHz		
30 MHz	DFT-s-OFDM	π/2 BPSK	1	1	22.65	22.66	22.50	0.0	24.0
			1	79	22.65	22.50	22.66	0.0	24.0
			1	158	22.57	22.62	22.73	0.0	24.0
			80	0	21.59	21.49	22.59	0.5	23.5
			80	40	22.59	22.54	21.54	0.0	24.0
			80	80	21.52	21.55	21.58	0.5	23.5
			160	0	21.56	21.44	21.62	0.5	23.5
		QPSK	1	1	22.68	22.65	22.49	0.0	24.0
			1	79	22.56	22.50	22.65	0.0	24.0
			1	158	22.59	22.61	22.76	0.0	24.0
			80	0	21.58	21.47	21.54	1.0	23.0
			80	40	22.61	22.54	22.67	0.0	24.0
			80	80	21.57	21.53	21.60	1.0	23.0
			160	0	21.55	21.49	21.64	1.0	23.0
		16QAM	1	1	21.58	21.56	21.39	1.0	23.0
			1	79	21.44	21.36	21.51	1.0	23.0
			1	158	21.44	21.49	21.61	1.0	23.0
		64QAM	1	1	20.30	20.25	20.10	2.5	21.5
		256QAM	1	1	17.70	17.63	17.44	4.5	19.5
	CP-OFDM	QPSK	1	1	21.25	21.30	21.18	1.5	22.5

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					502500	507000	511500		
					2512.50 MHz	2535.00 MHz	2557.50 MHz		
25 MHz	DFT-s-OFDM	π/2 BPSK	1	1	22.72	22.66	22.64	0.0	24.0
			1	66	22.73	22.43	22.62	0.0	24.0
			1	131	22.61	22.56	22.79	0.0	24.0
			64	0	21.68	21.45	21.55	0.5	23.5
			64	34	22.72	22.53	22.70	0.0	24.0
			64	69	21.58	21.46	21.63	0.5	23.5
			128	0	21.70	21.48	21.68	0.5	23.5
		QPSK	1	1	22.72	22.66	22.68	0.0	24.0
			1	66	22.76	22.44	22.72	0.0	24.0
			1	131	22.68	22.60	22.89	0.0	24.0
			64	0	21.69	21.48	21.56	1.0	23.0
			64	34	22.75	22.54	22.71	0.0	24.0
			64	69	21.61	21.44	21.65	1.0	23.0
			128	0	21.68	21.48	21.65	1.0	23.0
		16QAM	1	1	21.59	21.49	21.49	1.0	23.0
			1	66	21.59	21.33	21.52	1.0	23.0
			1	131	21.62	21.54	21.71	1.0	23.0
		64QAM	1	1	20.33	20.27	20.22	2.5	21.5
		256QAM	1	1	17.68	17.54	17.62	4.5	19.5
	CP-OFDM	QPSK	1	1	21.41	21.18	21.25	1.5	22.5

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					502000	507000	512000		
					2510.00 MHz	2535.00 MHz	2560.00 MHz		
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1	22.62	22.52	22.50	0.0	24.0
			1	52	22.65	22.48	22.60	0.0	24.0
			1	104	22.65	22.55	22.73	0.0	24.0
			50	0	21.59	21.42	21.62	0.5	23.5
			50	28	22.69	22.52	22.68	0.0	24.0
			50	56	21.61	21.39	21.67	0.5	23.5
			100	0	21.73	21.56	21.69	0.5	23.5
		QPSK	1	1	22.61	22.51	22.55	0.0	24.0
			1	52	22.67	22.47	22.61	0.0	24.0
			1	104	22.55	22.54	22.76	0.0	24.0
			50	0	21.62	21.41	21.61	1.0	23.0
			50	28	22.71	22.52	22.68	0.0	24.0
			50	56	21.63	21.39	21.72	1.0	23.0
			100	0	21.70	21.55	21.70	1.0	23.0
		16QAM	1	1	21.50	21.35	21.40	1.0	23.0
			1	52	21.56	21.36	21.50	1.0	23.0
			1	104	21.42	21.42	21.60	1.0	23.0
		64QAM	1	1	20.19	20.07	20.13	2.5	21.5
		256QAM	1	1	17.50	17.35	17.42	4.5	19.5
	CP-OFDM	QPSK	1	1	21.31	21.14	21.18	1.5	22.5

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					501500	507000	512500		
					2507.50 MHz	2535.00 MHz	2562.50 MHz		
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	22.64	22.50	22.71	0.0	24.0
			1	39	22.57	22.49	22.69	0.0	24.0
			1	77	22.66	22.52	22.84	0.0	24.0
			36	0	21.58	21.46	21.67	0.5	23.5
			36	21	22.79	22.61	22.76	0.0	24.0
			36	43	21.58	21.46	21.65	0.5	23.5
			75	0	21.62	21.47	21.67	0.5	23.5
		QPSK	1	1	22.70	22.52	22.63	0.0	24.0
			1	39	22.67	22.49	22.60	0.0	24.0
			1	77	22.74	22.53	22.86	0.0	24.0
			36	0	21.62	21.48	21.64	1.0	23.0
			36	21	22.75	22.63	22.71	0.0	24.0
			36	43	21.64	21.45	21.71	1.0	23.0
			75	0	21.66	21.46	21.65	1.0	23.0
		16QAM	1	1	21.58	21.42	21.45	1.0	23.0
			1	39	21.56	21.37	21.56	1.0	23.0
			1	77	21.58	21.40	21.68	1.0	23.0
		64QAM	1	1	20.29	20.13	20.16	2.5	21.5
		256QAM	1	1	17.62	17.51	17.61	4.5	19.5
	CP-OFDM	QPSK	1	1	21.33	21.10	21.25	1.5	22.5

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					501000	507000	513000		
					2505.00 MHz	2535.00 MHz	2565.00 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	22.79	22.54	22.70	0.0	24.0
			1	25	22.76	22.54	22.65	0.0	24.0
			1	50	22.66	22.51	22.68	0.0	24.0
			25	0	21.61	21.46	21.64	0.5	23.5
			25	13	22.67	22.59	22.67	0.0	24.0
			25	27	21.59	21.45	21.62	0.5	23.5
			50	0	21.60	21.48	21.60	0.5	23.5
		QPSK	1	1	22.79	22.57	22.69	0.0	24.0
			1	25	22.69	22.53	22.66	0.0	24.0
			1	50	22.69	22.49	22.66	0.0	24.0
			25	0	21.63	21.45	21.61	1.0	23.0
			25	13	22.68	22.59	22.71	0.0	24.0
			25	27	21.62	21.45	21.60	1.0	23.0
			50	0	21.60	21.43	21.66	1.0	23.0
		16QAM	1	1	21.57	21.40	21.57	1.0	23.0
			1	25	21.57	21.40	21.52	1.0	23.0
			1	50	21.54	21.38	21.55	1.0	23.0
		64QAM	1	1	20.27	20.12	20.26	2.5	21.5
		256QAM	1	1	17.61	17.41	17.56	4.5	19.5
	CP-OFDM	QPSK	1	1	21.37	21.17	21.33	1.5	22.5

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					500500	507000	513500		
					2502.50 MHz	2535.00 MHz	2567.50 MHz		
5 MHz	DFT-s-OFDM	π/2 BPSK	1	1	22.78	22.47	22.61	0.0	24.0
			1	12	22.78	22.58	22.71	0.0	24.0
			1	23	22.70	22.49	22.64	0.0	24.0
			12	0	21.80	21.48	21.53	0.5	23.5
			12	6	22.77	22.56	22.67	0.0	24.0
			12	13	21.68	21.51	21.64	0.5	23.5
			25	0	21.72	21.46	21.57	0.5	23.5
		QPSK	1	1	22.79	22.46	22.62	0.0	24.0
			1	12	22.76	22.57	22.72	0.0	24.0
			1	23	22.68	22.50	22.66	0.0	24.0
			12	0	21.71	21.48	21.58	1.0	23.0
			12	6	22.78	22.57	22.69	0.0	24.0
			12	13	21.68	21.50	21.64	1.0	23.0
			25	0	21.71	21.47	21.65	1.0	23.0
		16QAM	1	1	21.65	21.43	21.55	1.0	23.0
			1	12	21.65	21.44	21.59	1.0	23.0
			1	23	21.66	21.42	21.59	1.0	23.0
		64QAM	1	1	20.46	20.13	20.27	2.5	21.5
		256QAM	1	1	17.65	17.45	17.60	4.5	19.5
	CP-OFDM	QPSK	1	1	21.44	21.21	21.35	1.5	22.5

NR Band n12 (ANT A)

					Maximum Allowed Average Power (dBm)				
					Pmax / DSI = 1, 3				
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					141300	141500	141700		
					706.50 MHz	707.50 MHz	708.50 MHz		
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.86	23.84	23.82	0.0	25.0
			1	39	23.76	23.76	23.70	0.0	25.0
			1	77	23.69	23.67	23.66	0.0	25.0
			36	0	22.83	22.89	22.86	0.5	24.5
			36	21	23.89	23.83	23.80	0.0	25.0
			36	43	22.81	22.81	22.79	0.5	24.5
			75	0	22.82	22.83	22.82	0.5	24.5
		QPSK	1	1	23.83	23.85	23.82	0.0	25.0
			1	39	23.77	23.65	23.74	0.0	25.0
			1	77	23.69	23.65	23.68	0.0	25.0
			36	0	22.89	22.87	22.84	1.0	24.0
			36	21	22.69	23.82	23.80	0.0	25.0
			36	43	22.84	22.81	22.76	1.0	24.0
			75	0	22.85	22.84	22.78	1.0	24.0
		16QAM	1	1	22.92	22.81	22.80	1.0	24.0
			1	39	22.64	22.57	22.67	1.0	24.0
			1	77	22.73	22.63	22.61	1.0	24.0
		64QAM	1	1	21.60	21.53	21.49	2.5	22.5
		256QAM	1	1	18.87	18.87	18.82	4.5	20.5
	CP-OFDM	QPSK	1	1	22.48	22.43	22.45	1.5	23.5
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					140800	141500	142200		
					704.00 MHz	707.50 MHz	711.00 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.78	23.79	23.73	0.0	25.0
			1	25	23.58	23.71	23.68	0.0	25.0
			1	50	23.61	23.66	23.65	0.0	25.0
			25	0	22.74	22.67	22.59	0.5	24.5
			25	13	23.70	23.69	23.66	0.0	25.0
			25	27	22.54	22.60	22.59	0.5	24.5
			50	0	22.68	22.62	22.57	0.5	24.5
		QPSK	1	1	23.84	23.77	23.70	0.0	25.0
			1	25	23.69	23.73	23.70	0.0	25.0
			1	50	23.63	23.71	23.68	0.0	25.0
			25	0	22.72	22.64	22.56	1.0	24.0
			25	13	23.71	23.67	23.63	0.0	25.0
			25	27	22.60	22.58	22.56	1.0	24.0
			50	0	22.64	22.62	22.57	1.0	24.0
		16QAM	1	1	22.73	22.62	22.47	1.0	24.0
			1	25	22.56	22.51	22.58	1.0	24.0
			1	50	22.50	22.55	22.54	1.0	24.0
		64QAM	1	1	21.51	21.30	21.23	2.5	22.5
		256QAM	1	1	18.73	18.62	18.53	4.5	20.5
	CP-OFDM	QPSK	1	1	22.43	22.23	22.19	1.5	23.5
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					140300	141500	142700		
					701.50 MHz	707.50 MHz	713.50 MHz		
5 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.79	23.62	23.55	0.0	25.0
			1	12	23.89	23.73	23.79	0.0	25.0
			1	23	23.69	23.59	23.59	0.0	25.0
			12	0	22.85	22.59	22.56	0.5	24.5
			12	6	23.87	23.64	23.59	0.0	25.0
			12	13	22.68	22.55	22.67	0.5	24.5
			25	0	22.72	22.64	22.55	0.5	24.5
		QPSK	1	1	23.84	23.65	23.58	0.0	25.0
			1	12	23.77	23.75	23.68	0.0	25.0
			1	23	23.69	23.64	23.59	0.0	25.0
			12	0	22.86	22.65	22.59	1.0	24.0
			12	6	23.90	23.65	23.65	0.0	25.0
			12	13	22.70	22.55	22.66	1.0	24.0
			25	0	22.71	22.62	22.57	1.0	24.0
		16QAM	1	1	22.77	22.51	22.56	1.0	24.0
			1	12	22.62	22.54	22.50	1.0	24.0
			1	23	22.60	22.56	22.52	1.0	24.0
		64QAM	1	1	21.48	21.31	21.20	2.5	22.5
		256QAM	1	1	18.87	18.71	18.89	4.5	20.5
	CP-OFDM	QPSK	1	1	22.48	22.28	22.45	1.5	23.5

NR Band n12 (ANT D)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)			MPR	Tune-up Limit
					Pmax / DSI = 1, 3				
					Measured Pwr (dBm)				
					141300	141500	141700		
					706.50 MHz	707.50 MHz	708.50 MHz		
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.80	23.75	23.70	0.0	25.0
			1	39	23.57	23.57	23.59	0.0	25.0
			1	77	23.57	23.52	23.58	0.0	25.0
			36	0	22.70	22.73	22.78	0.5	24.5
			36	21	23.66	23.70	23.68	0.0	25.0
			36	43	22.63	22.60	22.58	0.5	24.5
			75	0	22.67	22.66	22.68	0.5	24.5
		QPSK	1	1	23.41	23.62	23.61	0.0	25.0
			1	39	23.60	23.61	23.57	0.0	25.0
			1	77	23.53	23.49	23.50	0.0	25.0
			36	0	22.75	22.76	22.71	1.0	24.0
			36	21	23.66	23.67	23.61	0.0	25.0
			36	43	22.65	22.63	22.62	1.0	24.0
			75	0	22.68	22.67	22.68	1.0	24.0
		16QAM	1	1	22.71	22.68	22.67	1.0	24.0
			1	39	22.53	22.54	22.50	1.0	24.0
			1	77	22.54	22.48	22.42	1.0	24.0
		64QAM	1	1	21.44	21.40	21.37	2.5	22.5
		256QAM	1	1	18.78	18.76	18.72	4.5	20.5
	CP-OFDM	QPSK	1	1	22.31	22.34	22.22	1.5	23.5
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					140800	141500	142200		
					704.00 MHz	707.50 MHz	711.00 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.03	23.98	23.83	0.0	25.0
			1	25	23.91	23.75	23.89	0.0	25.0
			1	50	23.75	23.87	23.85	0.0	25.0
			25	0	22.93	22.93	22.70	0.5	24.5
			25	13	23.90	23.81	23.77	0.0	25.0
			25	27	22.80	22.72	22.83	0.5	24.5
			50	0	22.80	22.79	22.75	0.5	24.5
		QPSK	1	1	24.08	24.05	23.75	0.0	25.0
			1	25	23.97	23.87	23.80	0.0	25.0
			1	50	23.78	23.90	23.90	0.0	25.0
			25	0	22.97	22.81	22.78	1.0	24.0
			25	13	23.93	23.87	23.78	0.0	25.0
			25	27	22.82	22.73	22.84	1.0	24.0
			50	0	22.84	22.81	22.76	1.0	24.0
		16QAM	1	1	22.86	22.90	22.71	1.0	24.0
			1	25	22.77	22.71	22.68	1.0	24.0
			1	50	22.61	22.68	22.66	1.0	24.0
		64QAM	1	1	21.62	21.57	21.44	2.5	22.5
		256QAM	1	1	18.97	18.89	18.70	4.5	20.5
	CP-OFDM	QPSK	1	1	22.57	22.51	22.36	1.5	23.5
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					140300	141500	142700		
					701.50 MHz	707.50 MHz	713.50 MHz		
5 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.98	23.82	23.70	0.0	25.0
			1	12	24.07	23.78	23.88	0.0	25.0
			1	23	23.90	23.76	23.74	0.0	25.0
			12	0	23.03	23.42	22.72	0.5	24.5
			12	6	23.98	22.81	23.84	0.0	25.0
			12	13	22.96	22.79	22.80	0.5	24.5
			25	0	22.96	22.82	22.83	0.5	24.5
		QPSK	1	1	24.02	23.83	23.71	0.0	25.0
			1	12	24.10	23.91	23.85	0.0	25.0
			1	23	23.87	23.74	23.73	0.0	25.0
			12	0	23.00	22.81	23.55	1.0	24.0
			12	6	24.02	23.86	22.73	0.0	25.0
			12	13	22.95	22.80	22.76	1.0	24.0
			25	0	23.00	22.86	22.79	1.0	24.0
		16QAM	1	1	22.90	22.76	22.66	1.0	24.0
			1	12	22.87	22.68	22.76	1.0	24.0
			1	23	22.90	22.74	22.67	1.0	24.0
		64QAM	1	1	21.67	21.48	21.39	2.5	22.5
		256QAM	1	1	19.06	18.83	18.77	4.5	20.5
	CP-OFDM	QPSK	1	1	22.67	22.41	22.42	1.5	23.5

NR Band n30 (ANT B)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)			MPR	Tune-up Limit
					Pmax / DSI = 3				
					Measured Pwr (dBm)				
						462000			
						2310.00 MHz			
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1		22.44		0.0	23.5
			1	25		22.51		0.0	23.5
			1	50		22.42		0.0	23.5
			25	0		21.52		0.5	23.0
			25	13		22.58		0.0	23.5
			25	27		21.43		0.5	23.0
			50	0		21.56		0.5	23.0
		QPSK	1	1		22.61		0.0	23.5
			1	25		22.57		0.0	23.5
			1	50		22.54		0.0	23.5
			25	0		21.52		1.0	22.5
			25	13		22.56		0.0	23.5
			25	27		21.41		1.0	22.5
			50	0		21.51		1.0	22.5
		16QAM	1	1		21.39		1.0	22.5
			1	25		21.26		1.0	22.5
			1	50		21.23		1.0	22.5
		64QAM	1	1		20.15		2.5	21.0
		256QAM	1	1		17.47		4.5	19.0
	CP-OFDM	QPSK	1	1		21.27		1.5	22.0

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					461500	462000	462500		
					2307.50 MHz	2310.00 MHz	2312.50 MHz		
5 MHz	DFT-s-OFDM	π/2 BPSK	1	1	22.49	22.17	22.31	0.0	23.5
			1	12	22.40	22.11	22.28	0.0	23.5
			1	23	22.19	22.01	22.31	0.0	23.5
			12	0	21.54	21.33	21.39	0.5	23.0
			12	6	22.30	22.04	22.13	0.0	23.5
			12	13	21.32	21.27	21.41	0.5	23.0
			25	0	21.39	21.30	21.37	0.5	23.0
		QPSK	1	1	22.49	22.04	22.01	0.0	23.5
			1	12	22.24	22.02	22.03	0.0	23.5
			1	23	22.06	21.92	22.12	0.0	23.5
			12	0	21.36	21.26	21.21	1.0	22.5
			12	6	22.22	21.99	21.98	0.0	23.5
			12	13	21.24	21.22	21.29	1.0	22.5
			25	0	21.47	21.25	21.26	1.0	22.5
		16QAM	1	1	21.39	21.24	21.06	1.0	22.5
			1	12	21.40	21.16	21.13	1.0	22.5
			1	23	21.22	21.07	21.22	1.0	22.5
		64QAM	1	1	20.17	20.11	20.05	2.5	21.0
		256QAM	1	1	17.47	17.52	17.56	4.5	19.0
	CP-OFDM	QPSK	1	1	21.18	20.95	20.88	1.5	22.0

NR Band n30 (ANT E)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)			MPR	Tune-up Limit
					Pmax / DSI = 3				
					Measured Pwr (dBm)				
						462000			
						2310.00 MHz			
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1		21.84		0.0	23.5
			1	25		21.89		0.0	23.5
			1	50		21.99		0.0	23.5
			25	0		20.87		0.5	23.0
			25	13		21.91		0.0	23.5
			25	27		20.86		0.5	23.0
			50	0		20.84		0.5	23.0
		QPSK	1	1		22.00		0.0	23.5
			1	25		21.95		0.0	23.5
			1	50		21.93		0.0	23.5
			25	0		20.89		1.0	22.5
			25	13		21.96		0.0	23.5
			25	27		20.87		1.0	22.5
			50	0		20.89		1.0	22.5
		16QAM	1	1		20.82		1.0	22.5
			1	25		20.79		1.0	22.5
			1	50		20.79		1.0	22.5
		64QAM	1	1		19.67		2.5	21.0
		256QAM	1	1		17.00		4.5	19.0
	CP-OFDM	QPSK	1	1		20.73		1.5	22.0

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					461500	462000	462500		
					2307.50 MHz	2310.00 MHz	2312.50 MHz		
5 MHz	DFT-s-OFDM	π/2 BPSK	1	1	22.08	22.10	22.07	0.0	23.5
			1	12	22.12	22.04	22.11	0.0	23.5
			1	23	21.98	21.93	21.97	0.0	23.5
			12	0	21.07	21.08	21.05	0.5	23.0
			12	6	22.11	22.14	22.06	0.0	23.5
			12	13	21.02	20.91	20.98	0.5	23.0
			25	0	21.11	20.99	21.01	0.5	23.0
		QPSK	1	1	22.11	22.14	22.03	0.0	23.5
			1	12	22.18	22.09	22.14	0.0	23.5
			1	23	21.91	21.92	21.98	0.0	23.5
			12	0	21.08	21.02	21.06	1.0	22.5
			12	6	22.13	22.04	22.07	0.0	23.5
			12	13	21.00	20.97	21.00	1.0	22.5
			25	0	21.09	20.99	21.04	1.0	22.5
		16QAM	1	1	21.07	20.92	20.98	1.0	22.5
			1	12	21.07	20.90	20.95	1.0	22.5
			1	23	20.87	20.86	20.86	1.0	22.5
		64QAM	1	1	19.79	19.67	19.71	2.5	21.0
		256QAM	1	1	17.12	17.08	17.06	4.5	19.0
	CP-OFDM	QPSK	1	1	20.84	20.67	20.70	1.5	22.0

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

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)			MPR	Tune-up Limit
					Measured Pwr (dBm)				
					509202	518598	528000		
					2546.01 MHz	2592.99 MHz	2640 MHz		
100 MHz	DFT-s-OFDM	π/2 BPSK	1	1	25.41	25.35	25.35	0.0	26.0
			1	137	25.15	25.21	24.95	0.0	26.0
			1	271	25.34	25.10	25.04	0.0	26.0
			135	0	24.87	24.76	24.69	0.5	25.5
			135	69	25.26	25.24	25.09	0.0	26.0
			135	138	24.81	24.64	24.56	0.5	25.5
			270	0	24.77	24.79	24.52	0.5	25.5
		QPSK	1	1	25.62	25.29	25.31	0.0	26.0
			1	137	25.14	25.20	24.97	0.0	26.0
			1	271	25.33	25.25	25.17	0.0	26.0
			135	0	24.32	24.24	24.21	1.0	25.0
			135	69	25.24	25.26	25.15	0.0	26.0
			135	138	24.27	24.17	24.04	1.0	25.0
			270	0	24.29	24.26	24.11	1.0	25.0
		16QAM	1	1	24.64	24.44	24.33	1.0	25.0
			1	137	24.31	24.36	24.03	1.0	25.0
			1	271	24.47	24.30	24.14	1.0	25.0
		64QAM	1	1	22.83	22.61	22.66	2.5	23.5
		256QAM	1	1	20.77	20.66	20.61	4.5	21.5
	CP-OFDM	QPSK	1	1	23.99	23.88	23.90	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	25.70	25.65	25.35	0.0	26.0
			1	123	25.51	25.44	25.34	0.0	26.0
			1	243	25.36	25.56	25.37	0.0	26.0
			120	0	24.62	24.41	24.41	0.5	25.5
			120	63	25.60	25.49	25.44	0.0	26.0
			120	125	24.44	24.42	24.43	0.5	25.5
			243	0	24.60	24.48	24.44	0.5	25.5
		QPSK	1	1	25.70	25.67	25.40	0.0	26.0
			1	123	25.52	25.40	25.38	0.0	26.0
			1	243	25.40	25.54	25.38	0.0	26.0
			120	0	24.50	24.44	24.41	1.0	25.0
			120	63	25.63	25.44	25.45	0.0	26.0
			120	125	24.47	24.35	24.33	1.0	25.0
			243	0	24.61	24.50	24.48	1.0	25.0
		16QAM	1	1	24.57	24.43	24.25	1.0	25.0
		64QAM	1	1	23.17	23.12	22.82	2.5	23.5
		256QAM	1	1	21.01	20.95	20.68	4.5	21.5
	CP-OFDM	QPSK	1	1	24.28	24.13	23.98	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	25.67	25.47	25.43	0.0	26.0
			1	109	25.42	25.27	25.26	0.0	26.0
			1	215	25.35	25.47	25.32	0.0	26.0
			108	0	24.62	24.39	24.40	0.5	25.5
			108	55	25.61	25.40	25.39	0.0	26.0
			108	109	24.44	24.43	24.32	0.5	25.5
			216	0	24.59	24.48	24.40	0.5	25.5
		QPSK	1	1	25.67	25.47	25.40	0.0	26.0
			1	109	25.51	25.28	25.22	0.0	26.0
			1	215	25.33	25.38	25.24	0.0	26.0
			108	0	24.55	22.83	24.34	1.0	25.0
			108	55	25.53	24.37	25.43	0.0	26.0
			108	109	24.47	24.40	24.35	1.0	25.0
			216	0	24.52	24.46	24.44	1.0	25.0
		16QAM	1	1	24.52	24.41	24.16	1.0	25.0
		64QAM	1	1	23.14	22.99	22.90	2.5	23.5
		256QAM	1	1	20.99	20.71	20.68	4.5	21.5
	CP-OFDM	QPSK	1	1	24.26	24.15	23.97	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	2655.00 MHz		
70 MHz	DFT-s-OFDM	π/2 BPSK	1	1	25.54	25.28	25.32	0.0	26.0
			1	95	25.47	25.21	25.20	0.0	26.0
			1	188	25.38	25.29	25.17	0.0	26.0
			90	0	24.26	24.46	24.39	0.5	25.5
			90	50	25.58	25.47	25.47	0.0	26.0
			90	99	24.43	24.40	24.64	0.5	25.5
			180	0	24.36	24.40	24.52	0.5	25.5
		QPSK	1	1	25.55	25.31	25.27	0.0	26.0
			1	95	25.51	25.26	25.16	0.0	26.0
			1	188	25.36	25.35	25.19	0.0	26.0
			90	0	24.65	24.40	24.40	1.0	25.0
			90	50	25.60	25.47	25.41	0.0	26.0
			90	99	24.54	24.42	24.27	1.0	25.0
			180	0	24.53	24.41	24.40	1.0	25.0
		16QAM	1	1	24.39	24.29	24.26	1.0	25.0
		64QAM	1	1	23.03	22.93	22.84	2.5	23.5
		256QAM	1	1	20.85	20.71	20.72	4.5	21.5
	CP-OFDM	QPSK	1	1	24.12	23.87	23.97	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	25.50	25.27	25.25	0.0	26.0
			1	81	25.27	25.17	25.07	0.0	26.0
			1	160	25.27	25.23	25.29	0.0	26.0
			81	0	24.52	24.29	24.26	0.5	25.5
			81	41	25.49	25.38	25.29	0.0	26.0
			81	81	24.39	24.23	24.22	0.5	25.5
			162	0	24.48	24.40	24.38	0.5	25.5
		QPSK	1	1	25.55	25.21	25.29	0.0	26.0
			1	81	25.30	25.15	25.10	0.0	26.0
			1	160	25.31	25.32	25.19	0.0	26.0
			81	0	24.55	24.32	24.30	1.0	25.0
			81	41	25.51	25.31	25.33	0.0	26.0
			81	81	24.35	24.30	24.23	1.0	25.0
			162	0	24.50	24.40	24.35	1.0	25.0
		16QAM	1	1	24.31	24.29	24.14	1.0	25.0
		64QAM	1	1	22.98	22.66	22.71	2.5	23.5
		256QAM	1	1	20.88	20.59	20.56	4.5	21.5
	CP-OFDM	QPSK	1	1	24.15	23.79	24.30	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	2664.99 MHz		
50 MHz	DFT-s-OFDM	π/2 BPSK	1	1	25.71	25.50	25.53	0.0	26.0
			1	67	25.62	25.38	25.38	0.0	26.0
			1	131	25.59	25.57	25.54	0.0	26.0
			64	0	24.75	24.54	24.51	0.5	25.5
			64	35	25.76	25.54	25.64	0.0	26.0
			64	69	24.73	24.50	24.51	0.5	25.5
			128	0	24.65	24.51	24.57	0.5	25.5
		QPSK	1	1	25.78	25.41	25.50	0.0	26.0
			1	67	25.54	25.43	25.37	0.0	26.0
			1	131	25.66	25.50	25.60	0.0	26.0
			64	0	24.68	24.55	24.49	1.0	25.0
			64	35	25.76	25.56	25.58	0.0	26.0
			64	69	24.63	24.52	24.50	1.0	25.0
			128	0	24.69	24.52	24.51	1.0	25.0
		16QAM	1	1	24.49	24.43	24.37	1.0	25.0
		64QAM	1	1	23.08	22.77	23.00	2.5	23.5
		256QAM	1	1	21.03	20.73	20.79	4.5	21.5
	CP-OFDM	QPSK	1	1	24.32	24.08	23.89	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	2670.00 MHz		
40 MHz	DFT-s-OFDM	π/2 BPSK	1	1	25.39	25.22	25.25	0.0	26.0
			1	53	25.18	25.26	25.23	0.0	26.0
			1	104	25.33	25.32	25.19	0.0	26.0
			50	0	24.39	24.67	24.31	0.5	25.5
			50	28	25.56	25.30	25.36	0.0	26.0
			50	56	24.48	24.38	24.32	0.5	25.5
			100	0	24.41	24.49	24.45	0.5	25.5
		QPSK	1	1	25.35	25.20	25.27	0.0	26.0
			1	53	25.15	25.26	25.15	0.0	26.0
			1	104	25.23	25.31	25.19	0.0	26.0
			50	0	24.32	24.35	24.29	1.0	25.0
			50	28	25.35	25.39	25.32	0.0	26.0
			50	56	24.59	24.35	24.30	1.0	25.0
			100	0	24.71	24.45	24.44	1.0	25.0
		16QAM	1	1	24.53	24.10	24.26	1.0	25.0
		64QAM	1	1	22.99	22.67	22.66	2.5	23.5
		256QAM	1	1	20.79	20.56	20.55	4.5	21.5
	CP-OFDM	QPSK	1	1	24.11	23.87	23.86	1.5	24.5
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					502200	518598	534996		
					2511 MHz	2592.99 MHz	2674.98 MHz		
30 MHz	DFT-s-OFDM	π/2 BPSK	1	1	25.69	25.37	25.42	0.0	26.0
			1	39	25.54	25.36	25.39	0.0	26.0
			1	76	25.67	25.33	25.40	0.0	26.0
			36	0	24.61	24.28	24.35	0.5	25.5
			36	21	25.65	25.44	25.45	0.0	26.0
			36	42	24.61	24.41	24.35	0.5	25.5
			75	0	24.59	24.38	24.37	0.5	25.5
		QPSK	1	1	25.63	25.39	25.45	0.0	26.0
			1	39	25.56	25.34	25.39	0.0	26.0
			1	76	25.55	25.33	25.44	0.0	26.0
			36	0	24.57	24.33	24.34	1.0	25.0
			36	21	25.64	25.44	25.44	0.0	26.0
			36	42	24.62	24.40	24.34	1.0	25.0
			75	0	24.59	24.41	24.37	1.0	25.0
		16QAM	1	1	24.42	24.23	24.14	1.0	25.0
		64QAM	1	1	23.08	22.78	22.90	2.5	23.5
		256QAM	1	1	20.92	20.67	20.72	4.5	21.5
	CP-OFDM	QPSK	1	1	24.20	23.98	24.01	1.5	24.5
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					501702	518598	535500		
					2508.51 MHz	2592.99 MHz	2677.50 MHz		
25 MHz	DFT-s-OFDM	π/2 BPSK	1	1	25.52	25.36	25.31	0.0	26.0
			1	32	25.46	25.33	25.30	0.0	26.0
			1	63	25.48	25.41	25.26	0.0	26.0
			32	0	24.46	24.35	24.33	0.5	25.5
			32	16	25.53	25.28	24.16	0.0	26.0
			32	33	24.51	24.32	24.32	0.5	25.5
			64	0	24.55	24.35	24.38	0.5	25.5
		QPSK	1	1	25.53	25.33	25.33	0.0	26.0
			1	32	25.48	25.29	25.36	0.0	26.0
			1	63	25.50	25.31	25.24	0.0	26.0
			32	0	24.56	24.28	24.33	1.0	25.0
			32	16	24.42	25.16	25.40	0.0	26.0
			32	33	24.51	24.33	24.26	1.0	25.0
			64	0	24.66	24.45	24.26	1.0	25.0
		16QAM	1	1	24.38	24.23	24.11	1.0	25.0
		64QAM	1	1	22.75	22.56	22.54	2.5	23.5
		256QAM	1	1	20.76	20.48	20.33	4.5	21.5
	CP-OFDM	QPSK	1	1	24.12	23.95	23.84	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	25.50	25.24	25.28	0.0	26.0
			1	25	25.45	25.28	25.28	0.0	26.0
			1	49	25.43	25.28	25.21	0.0	26.0
			25	0	24.50	24.29	24.43	0.5	25.5
			25	13	25.55	25.32	24.21	0.0	26.0
			25	26	24.49	24.31	24.29	0.5	25.5
			50	0	24.56	24.38	24.36	0.5	25.5
		QPSK	1	1	25.53	25.26	25.27	0.0	26.0
			1	25	25.48	25.27	25.28	0.0	26.0
			1	49	25.44	25.28	25.18	0.0	26.0
			25	0	24.25	24.29	24.24	1.0	25.0
			25	13	24.52	25.33	25.31	0.0	26.0
			25	26	24.50	24.31	24.30	1.0	25.0
			50	0	24.60	24.39	24.35	1.0	25.0
		16QAM	1	1	24.45	24.24	24.06	1.0	25.0
		64QAM	1	1	23.00	22.61	22.60	2.5	23.5
		256QAM	1	1	20.74	20.56	20.45	4.5	21.5
	CP-OFDM	QPSK	1	1	24.04	23.87	23.86	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	25.62	25.25	25.27	0.0	26.0
			1	19	25.56	25.24	25.24	0.0	26.0
			1	36	25.60	25.30	25.32	0.0	26.0
			18	0	24.63	24.26	24.24	0.5	25.5
			18	10	25.74	25.36	25.33	0.0	26.0
			18	20	24.54	24.27	24.32	0.5	25.5
			36	0	24.60	24.29	24.27	0.5	25.5
		QPSK	1	1	25.53	25.30	25.24	0.0	26.0
			1	19	25.60	25.25	25.29	0.0	26.0
			1	36	25.56	25.33	25.36	0.0	26.0
			18	0	24.52	24.29	24.26	1.0	25.0
			18	10	25.68	25.39	25.35	0.0	26.0
			18	20	24.60	24.32	24.21	1.0	25.0
			36	0	24.63	24.28	24.29	1.0	25.0
		16QAM	1	1	24.41	24.23	24.21	1.0	25.0
		64QAM	1	1	23.00	22.69	22.69	2.5	23.5
		256QAM	1	1	20.88	20.58	20.51	4.5	21.5
	CP-OFDM	QPSK	1	1	24.25	23.90	23.85	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	2685.00 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	25.65	25.29	25.33	0.0	26.0
			1	12	25.60	25.26	25.19	0.0	26.0
			1	22	25.64	25.32	25.25	0.0	26.0
			12	0	24.64	24.28	24.20	0.5	25.5
			12	6	25.56	25.32	25.29	0.0	26.0
			12	12	24.40	24.26	24.25	0.5	25.5
			24	0	24.58	24.24	24.21	0.5	25.5
		QPSK	1	1	25.55	25.32	25.25	0.0	26.0
			1	12	25.66	25.30	25.12	0.0	26.0
			1	22	25.69	25.34	25.22	0.0	26.0
			12	0	24.62	24.24	24.82	1.0	25.0
			12	6	25.68	25.30	24.18	0.0	26.0
			12	12	24.65	24.30	24.25	1.0	25.0
			24	0	24.63	24.28	24.21	1.0	25.0
		16QAM	1	1	24.19	24.03	24.13	1.0	25.0
		64QAM	1	1	22.68	22.77	22.68	2.5	23.5
		256QAM	1	1	20.36	20.60	20.45	4.5	21.5
	CP-OFDM	QPSK	1	1	23.73	23.85	23.80	1.5	24.5

NR Band n41 SRS (PC2, SA_Switching) (ANT E, ANT C, ANT G)

Maximum Average Power (dBm) SRS1			Tune-up Limit	Maximum Average Power (dBm) SRS2			Tune-up Limit	Maximum Average Power (dBm) SRS3			Tune-up Limit
			26.5				20.5				22.0
BW (MHz)	RB Allocation	RB offset	MPR	BW (MHz)	RB Allocation	RB offset	MPR	BW (MHz)	RB Allocation	RB offset	MPR
	1	1	0.0		1	1	0.0		1	1	0.0
	Measured Pwr (dBm)				Measured Pwr (dBm)				Measured Pwr (dBm)		
100 MHz	509202	518598	528000	100 MHz	509202	518598	528000	100 MHz	509202	518598	528000
	2546.01 MHz	2592.99 MHz	2640 MHz		2546.01 MHz	2592.99 MHz	2640 MHz		2546.01 MHz	2592.99 MHz	2640 MHz
	26.13	26.25	26.11		19.18	19.37	18.98		21.33	21.68	21.42
90 MHz	508200	518598	528996	90 MHz	508200	518598	528996	90 MHz	508200	518598	528996
	2541 MHz	2592.99 MHz	2644.98 MHz		2541 MHz	2592.99 MHz	2644.98 MHz		2541 MHz	2592.99 MHz	2644.98 MHz
	26.12	26.15	26.15		19.15	19.26	19.14		21.36	21.45	21.41
80 MHz	507204	518598	529998	80 MHz	507204	518598	529998	80 MHz	507204	518598	529998
	2536.02 MHz	2592.99 MHz	2649.99 MHz		2536.02 MHz	2592.99 MHz	2649.99 MHz		2536.02 MHz	2592.99 MHz	2649.99 MHz
	26.08	26.11	26.21		19.23	19.33	19.21		21.38	21.36	21.41
70 MHz	506202	518598	531000	70 MHz	506202	518598	531000	70 MHz	506202	518598	531000
	2531.02 MHz	2592.99 MHz	2655.00 MHz		2531.02 MHz	2592.99 MHz	2655.00 MHz		2531.02 MHz	2592.99 MHz	2655.00 MHz
	26.22	26.15	26.12		19.13	19.25	19.61		21.52	21.58	21.61
60 MHz	505200	518598	531996	60 MHz	505200	518598	531996	60 MHz	505200	518598	531996
	2526 MHz	2592.99 MHz	2659.98 MHz		2526 MHz	2592.99 MHz	2659.98 MHz		2526 MHz	2592.99 MHz	2659.98 MHz
	26.23	26.16	26.21		19.45	19.52	19.73		21.46	21.49	21.52
50 MHz	504204	518598	532998	50 MHz	504204	518598	532998	50 MHz	504204	518598	532998
	2521.01 MHz	2592.99 MHz	2665 MHz		2521.01 MHz	2592.99 MHz	2665 MHz		2521.01 MHz	2592.99 MHz	2665 MHz
	26.24	26.29	26.17		19.61	19.64	20.07		21.81	21.85	21.65
40 MHz	503202	518598	534000	40 MHz	503202	518598	534000	40 MHz	503202	518598	534000
	2516.01 MHz	2592.99 MHz	2670 MHz		2516.01 MHz	2592.99 MHz	2670 MHz		2516.01 MHz	2592.99 MHz	2670 MHz
	26.14	26.21	26.18		19.55	19.61	20.23		21.25	21.63	21.54
30 MHz	502200	518598	534996	30 MHz	502200	518598	534996	30 MHz	502200	518598	534996
	2511 MHx	2592.99 MHz	2675.0 MHz		2511 MHx	2592.99 MHz	2675.0 MHz		2511 MHx	2592.99 MHz	2675.0 MHz
	26.07	26.16	26.11		19.43	19.52	20.31		20.84	21.42	21.33
25 MHz	501696	518598	535500	25 MHz	501696	518598	535500	25 MHz	501696	518598	535500
	2508.48 MHz	2592.99 MHz	2677.50 MHz		2508.48 MHz	2592.99 MHz	2677.50 MHz		2508.48 MHz	2592.99 MHz	2677.50 MHz
	26.12	26.18	26.21		19.54	19.46	20.40		20.76	21.33	21.04
20 MHz	501204	518598	535998	20 MHz	501204	518598	535998	20 MHz	501204	518598	535998
	2506.02 MHz	2592.99 MHz	2679.99 MHz		2506.02 MHz	2592.99 MHz	2679.99 MHz		2506.02 MHz	2592.99 MHz	2679.99 MHz
	26.13	26.21	26.21		19.41	19.43	20.38		20.74	21.26	21.18
15 MHz	500700	518598	536496	15 MHz	500700	518598	536496	15 MHz	500700	518598	536496
	2503.5 MHz	2592.99 MHz	2682.48MHz		2503.5 MHz	2592.99 MHz	2682.48MHz		2503.5 MHz	2592.99 MHz	2682.48MHz
	26.17	26.14	26.23		19.43	19.35	20.36		20.85	21.41	21.33
10 MHz	500202	518598	537000	10 MHz	500202	518598	537000	10 MHz	500202	518598	537000
	2501.01 MHz	2592.99 MHz	2685 MHz		2501.01 MHz	2592.99 MHz	2685 MHz		2501.01 MHz	2592.99 MHz	2685 MHz
	26.11	26.15	26.21		19.03	19.54	20.43		21.11	21.59	21.43

NR Band n41 (PC2, SA) (ANT E)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)			MPR	Tune-up Limit
					Measured Pwr (dBm)				
					509202	518598	528000		
					2546.01 MHz	2592.99 MHz	2640 MHz		
100 MHz	DFT-s-OFDM	π/2 BPSK	1	1	25.98	25.88	25.96	0.0	27.0
			1	137	25.70	25.80	25.77	0.0	27.0
			1	271	26.00	25.94	25.65	0.0	27.0
			135	0	25.32	25.34	25.46	0.5	26.5
			135	69	25.75	25.82	25.70	0.0	27.0
			135	138	25.37	25.42	25.15	0.5	26.5
			270	0	25.34	25.35	25.28	0.5	26.5
		QPSK	1	1	25.84	25.80	26.05	0.0	27.0
			1	137	25.63	25.75	25.60	0.0	27.0
			1	271	26.04	25.80	24.90	0.0	27.0
			135	0	24.74	24.84	24.97	1.0	26.0
			135	69	25.74	25.84	25.72	0.0	27.0
			135	138	24.86	24.86	23.63	1.0	26.0
			270	0	24.81	24.98	24.75	1.0	26.0
		16QAM	1	1	24.93	24.75	24.94	1.0	26.0
			1	137	24.61	24.73	24.62	1.0	26.0
			1	271	24.93	25.00	23.98	1.0	26.0
		64QAM	1	1	23.25	23.08	23.21	2.5	24.5
		256QAM	1	1	21.25	21.27	21.32	4.5	22.5
	CP-OFDM	QPSK	1	1	24.42	24.56	24.56	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	25.67	26.02	26.07	0.0	27.0
			1	123	25.85	26.09	25.81	0.0	27.0
			1	243	26.13	26.04	25.19	0.0	27.0
			120	0	24.71	25.02	24.91	0.5	26.5
			120	63	25.94	26.02	25.81	0.0	27.0
			120	125	25.06	25.03	24.76	0.5	26.5
			243	0	24.98	25.15	24.99	0.5	26.5
		QPSK	1	1	25.73	26.04	26.05	0.0	27.0
			1	123	25.87	26.11	25.74	0.0	27.0
			1	243	26.12	26.05	25.09	0.0	27.0
			120	0	24.62	25.04	24.91	1.0	26.0
			120	63	25.96	26.11	25.78	0.0	27.0
			120	125	25.05	25.04	24.77	1.0	26.0
			243	0	25.00	25.14	25.02	1.0	26.0
		16QAM	1	1	24.69	24.85	25.00	1.0	26.0
		64QAM	1	1	23.28	23.64	23.58	2.5	24.5
		256QAM	1	1	21.07	21.32	21.38	4.5	22.5
	CP-OFDM	QPSK	1	1	24.26	24.55	24.57	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	25.64	25.92	25.96	0.0	27.0
			1	109	25.72	26.00	25.63	0.0	27.0
			1	215	25.95	26.01	25.07	0.0	27.0
			108	0	24.58	25.06	25.22	0.5	26.5
			108	55	25.17	26.21	24.91	0.0	27.0
			108	109	24.90	25.06	24.65	0.5	26.5
			216	0	24.95	25.12	24.88	0.5	26.5
		QPSK	1	1	25.62	25.92	25.95	0.0	27.0
			1	109	25.74	26.00	25.63	0.0	27.0
			1	215	25.96	26.01	24.99	0.0	27.0
			108	0	24.59	24.44	24.63	1.0	26.0
			108	55	25.93	26.12	25.92	0.0	27.0
			108	109	24.91	25.06	24.71	1.0	26.0
			216	0	24.95	25.12	24.93	1.0	26.0
		16QAM	1	1	24.63	24.87	24.92	1.0	26.0
		64QAM	1	1	23.25	23.38	23.44	2.5	24.5
		256QAM	1	1	21.01	21.22	21.29	4.5	22.5
	CP-OFDM	QPSK	1	1	24.24	24.61	24.58	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	2655.00 MHz		
70 MHz	DFT-s-OFDM	π/2 BPSK	1	1	25.51	25.87	25.77	0.0	27.0
			1	95	25.52	25.98	25.55	0.0	27.0
			1	188	25.91	25.93	24.92	0.0	27.0
			90	0	24.59	25.06	24.92	0.5	26.5
			90	50	25.92	26.18	25.75	0.0	27.0
			90	99	25.01	25.06	24.70	0.5	26.5
			180	0	24.86	25.01	24.76	0.5	26.5
		QPSK	1	1	25.49	25.89	25.79	0.0	27.0
			1	95	25.53	26.00	25.57	0.0	27.0
			1	188	25.91	25.97	24.87	0.0	27.0
			90	0	24.59	25.08	24.44	1.0	26.0
			90	50	25.61	26.19	25.88	0.0	27.0
			90	99	25.30	25.05	24.74	1.0	26.0
			180	0	25.31	25.04	24.78	1.0	26.0
		16QAM	1	1	24.52	24.82	24.78	1.0	26.0
		64QAM	1	1	23.07	23.48	23.39	2.5	24.5
		256QAM	1	1	20.88	21.21	21.17	4.5	22.5
	CP-OFDM	QPSK	1	1	24.23	24.49	24.48	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	25.55	25.85	25.82	0.0	27.0
			1	81	25.30	25.86	25.48	0.0	27.0
			1	160	25.77	25.85	24.98	0.0	27.0
			81	0	24.59	24.99	24.75	0.5	26.5
			81	41	25.62	25.33	25.72	0.0	27.0
			81	81	24.75	24.96	24.59	0.5	26.5
			162	0	24.74	25.04	24.76	0.5	26.5
		QPSK	1	1	25.54	25.88	25.72	0.0	27.0
			1	81	25.30	25.83	25.49	0.0	27.0
			1	160	25.79	25.87	24.94	0.0	27.0
			81	0	24.60	24.95	24.72	1.0	26.0
			81	41	25.62	25.18	25.70	0.0	27.0
			81	81	24.76	24.51	24.57	1.0	26.0
			162	0	24.78	24.52	24.80	1.0	26.0
		16QAM	1	1	24.50	24.77	24.73	1.0	26.0
		64QAM	1	1	23.09	23.37	23.25	2.5	24.5
		256QAM	1	1	20.84	21.14	21.01	4.5	22.5
	CP-OFDM	QPSK	1	1	24.06	24.32	24.31	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	2664.99 MHz		
50 MHz	DFT-s-OFDM	π/2 BPSK	1	1	25.72	26.12	25.94	0.0	27.0
			1	67	25.51	26.05	25.83	0.0	27.0
			1	131	26.03	26.19	25.22	0.0	27.0
			64	0	24.79	25.16	24.94	0.5	26.5
			64	35	25.69	26.20	26.03	0.0	27.0
			64	69	24.98	25.17	24.92	0.5	26.5
			128	0	24.99	25.19	24.97	0.5	26.5
		QPSK	1	1	25.68	26.12	25.95	0.0	27.0
			1	67	25.46	26.03	25.83	0.0	27.0
			1	131	26.07	26.21	25.10	0.0	27.0
			64	0	24.70	25.18	24.94	1.0	26.0
			64	35	25.66	26.30	25.99	0.0	27.0
			64	69	25.00	25.18	24.93	1.0	26.0
			128	0	24.88	25.21	24.88	1.0	26.0
		16QAM	1	1	24.62	25.08	24.81	1.0	26.0
		64QAM	1	1	23.24	23.52	23.45	2.5	24.5
		256QAM	1	1	21.00	21.31	21.22	4.5	22.5
	CP-OFDM	QPSK	1	1	24.23	24.55	24.55	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	2670.00 MHz		
40 MHz	DFT-s-OFDM	π/2 BPSK	1	1	25.57	25.90	25.73	0.0	27.0
			1	53	25.43	26.01	25.59	0.0	27.0
			1	104	25.64	26.01	25.17	0.0	27.0
			50	0	24.69	24.33	24.80	0.5	26.5
			50	28	25.60	26.14	25.80	0.0	27.0
			50	56	24.85	25.14	24.66	0.5	26.5
			100	0	24.86	25.18	24.83	0.5	26.5
		QPSK	1	1	25.56	25.90	25.76	0.0	27.0
			1	53	25.35	25.93	25.61	0.0	27.0
			1	104	25.65	26.02	25.04	0.0	27.0
			50	0	24.23	24.25	24.62	1.0	26.0
			50	28	25.53	25.37	25.78	0.0	27.0
			50	56	24.69	24.36	24.68	1.0	26.0
			100	0	24.67	24.88	24.87	1.0	26.0
		16QAM	1	1	24.50	24.12	24.58	1.0	26.0
		64QAM	1	1	23.07	23.39	23.18	2.5	24.5
		256QAM	1	1	20.88	21.20	20.95	4.5	22.5
	CP-OFDM	QPSK	1	1	24.20	24.45	24.28	1.5	25.5
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					502200	518598	534996		
					2511 MHz	2592.99 MHz	2674.98 MHz		
30 MHz	DFT-s-OFDM	π/2 BPSK	1	1	25.79	26.21	25.95	0.0	27.0
			1	39	25.87	26.19	25.74	0.0	27.0
			1	76	26.00	26.18	25.56	0.0	27.0
			36	0	24.79	25.14	24.88	0.5	26.5
			36	21	25.93	26.28	25.91	0.0	27.0
			36	42	24.89	25.20	24.81	0.5	26.5
			75	0	24.89	25.23	24.84	0.5	26.5
		QPSK	1	1	25.75	26.31	25.94	0.0	27.0
			1	39	25.85	26.22	25.80	0.0	27.0
			1	76	25.98	26.17	25.58	0.0	27.0
			36	0	24.78	25.19	24.90	1.0	26.0
			36	21	25.92	26.20	25.89	0.0	27.0
			36	42	24.87	25.25	24.83	1.0	26.0
			75	0	24.87	25.24	24.83	1.0	26.0
		16QAM	1	1	24.73	25.10	24.85	1.0	26.0
		64QAM	1	1	23.24	23.72	23.35	2.5	24.5
		256QAM	1	1	21.02	21.46	21.20	4.5	22.5
	CP-OFDM	QPSK	1	1	24.31	24.72	24.53	1.5	25.5
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					501702	518598	535500		
					2508.51 MHz	2592.99 MHz	2677.50 MHz		
25 MHz	DFT-s-OFDM	π/2 BPSK	1	1	25.52	25.98	25.95	0.0	27.0
			1	32	25.62	26.12	25.74	0.0	27.0
			1	63	25.64	26.02	25.55	0.0	27.0
			32	0	24.88	25.23	24.74	0.5	26.5
			32	16	24.65	26.09	25.46	0.0	27.0
			32	33	24.56	25.33	24.62	0.5	26.5
			64	0	24.76	25.13	24.33	0.5	26.5
		QPSK	1	1	25.65	26.30	25.66	0.0	27.0
			1	32	25.71	26.16	25.74	0.0	27.0
			1	63	25.62	26.15	25.63	0.0	27.0
			32	0	24.66	25.23	24.78	1.0	26.0
			32	16	25.54	25.32	25.61	0.0	27.0
			32	33	24.68	25.16	24.45	1.0	26.0
			64	0	24.33	25.14	24.33	1.0	26.0
		16QAM	1	1	24.38	25.03	24.65	1.0	26.0
		64QAM	1	1	23.23	23.69	23.36	2.5	24.5
		256QAM	1	1	20.99	21.16	21.06	4.5	22.5
	CP-OFDM	QPSK	1	1	24.32	24.54	24.24	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	25.56	25.99	25.63	0.0	27.0
			1	25	25.70	25.99	25.61	0.0	27.0
			1	49	25.68	26.06	25.59	0.0	27.0
			25	0	24.85	25.04	24.65	0.5	26.5
			25	13	24.75	26.06	25.68	0.0	27.0
			25	26	24.74	25.00	24.57	0.5	26.5
			50	0	24.83	25.13	24.63	0.5	26.5
		QPSK	1	1	25.56	26.00	25.61	0.0	27.0
			1	25	25.76	26.03	25.61	0.0	27.0
			1	49	25.69	25.96	25.49	0.0	27.0
			25	0	24.68	25.02	24.65	1.0	26.0
			25	13	25.83	26.09	25.70	0.0	27.0
			25	26	24.83	25.02	24.59	1.0	26.0
			50	0	25.24	25.14	24.60	1.0	26.0
		16QAM	1	1	24.54	24.89	24.61	1.0	26.0
		64QAM	1	1	23.13	23.44	23.15	2.5	24.5
		256QAM	1	1	20.92	21.24	20.93	4.5	22.5
	CP-OFDM	QPSK	1	1	24.22	24.57	24.15	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	25.74	26.02	25.64	0.0	27.0
			1	19	25.79	25.99	25.62	0.0	27.0
			1	36	25.82	26.09	25.60	0.0	27.0
			18	0	24.73	25.01	24.64	0.5	26.5
			18	10	25.89	26.09	25.77	0.0	27.0
			18	20	24.79	25.03	24.59	0.5	26.5
			36	0	24.78	25.04	24.61	0.5	26.5
		QPSK	1	1	25.65	26.04	25.64	0.0	27.0
			1	19	25.76	25.99	25.60	0.0	27.0
			1	36	25.80	26.00	25.49	0.0	27.0
			18	0	25.00	25.04	24.66	1.0	26.0
			18	10	24.80	26.07	25.81	0.0	27.0
			18	20	24.83	25.01	24.61	1.0	26.0
			36	0	24.78	25.03	24.64	1.0	26.0
		16QAM	1	1	24.56	24.94	24.57	1.0	26.0
		64QAM	1	1	23.15	23.56	23.16	2.5	24.5
		256QAM	1	1	20.96	21.33	20.94	4.5	22.5
	CP-OFDM	QPSK	1	1	24.19	24.62	24.27	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	2685.00 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	25.80	26.07	25.62	0.0	27.0
			1	12	25.74	26.11	25.55	0.0	27.0
			1	22	25.81	26.16	25.37	0.0	27.0
			12	0	24.78	24.99	24.60	0.5	26.5
			12	6	25.61	26.19	25.63	0.0	27.0
			12	12	24.78	25.14	24.59	0.5	26.5
			24	0	24.80	25.12	24.59	0.5	26.5
		QPSK	1	1	25.80	26.14	25.64	0.0	27.0
			1	12	25.76	26.09	25.54	0.0	27.0
			1	22	25.73	26.14	25.41	0.0	27.0
			12	0	24.74	24.67	24.61	1.0	26.0
			12	6	25.84	25.10	25.68	0.0	27.0
			12	12	24.79	25.13	24.60	1.0	26.0
			24	0	24.78	25.11	24.60	1.0	26.0
		16QAM	1	1	24.65	24.92	24.55	1.0	26.0
		64QAM	1	1	23.29	23.50	23.17	2.5	24.5
		256QAM	1	1	21.04	21.30	20.93	4.5	22.5
	CP-OFDM	QPSK	1	1	24.41	24.63	24.19	1.5	25.5

NR Band n41 SRS (PC2, SA) (ANT B, ANT G, ANT C)

Maximum Average Power (dBm) SRS1			Tune-up Limit	Maximum Average Power (dBm) SRS2			Tune-up Limit	Maximum Average Power (dBm) SRS3			Tune-up Limit
			26.0				21.5				20.0
BW (MHz)	RB Allocation	RB offset	MPR	BW (MHz)	RB Allocation	RB offset	MPR	BW (MHz)	RB Allocation	RB offset	MPR
	1	1	0.0		1	1	0.0		1	1	0.0
	Measured Pwr (dBm)				Measured Pwr (dBm)				Measured Pwr (dBm)		
100 MHz	509202	518598	528000	100 MHz	509202	518598	528000	100 MHz	509202	518598	528000
	2546.01 MHz	2592.99 MHz	2640 MHz		2546.01 MHz	2592.99 MHz	2640 MHz		2546.01 MHz	2592.99 MHz	2640 MHz
	24.96	24.83	24.92		20.63	20.77	20.55		18.21	18.45	18.33
90 MHz	508200	518598	528996	90 MHz	508200	518598	528996	90 MHz	508200	518598	528996
	2541 MHz	2592.99 MHz	2644.98 MHz		2541 MHz	2592.99 MHz	2644.98 MHz		2541 MHz	2592.99 MHz	2644.98 MHz
	25.01	24.98	24.95		20.71	20.76	20.63		18.16	18.51	18.36
80 MHz	507204	518598	529998	80 MHz	507204	518598	529998	80 MHz	507204	518598	529998
	2536.02 MHz	2592.99 MHz	2649.99 MHz		2536.02 MHz	2592.99 MHz	2649.99 MHz		2536.02 MHz	2592.99 MHz	2649.99 MHz
	25.06	24.89	24.83		20.58	20.61	20.65		18.25	18.55	18.44
70 MHz	506202	518598	531000	70 MHz	506202	518598	531000	70 MHz	506202	518598	531000
	2531.02 MHz	2592.99 MHz	2655.00 MHz		2531.02 MHz	2592.99 MHz	2655.00 MHz		2531.02 MHz	2592.99 MHz	2655.00 MHz
	25.01	24.95	24.98		20.73	20.78	20.71		18.24	18.43	18.68
60 MHz	505200	518598	531996	60 MHz	505200	518598	531996	60 MHz	505200	518598	531996
	2526 MHz	2592.99 MHz	2659.98 MHz		2526 MHz	2592.99 MHz	2659.98 MHz		2526 MHz	2592.99 MHz	2659.98 MHz
	25.13	25.01	24.92		20.71	20.89	20.77		18.28	18.61	19.23
50 MHz	504204	518598	532998	50 MHz	504204	518598	532998	50 MHz	504204	518598	532998
	2521.01 MHz	2592.99 MHz	2665 MHz		2521.01 MHz	2592.99 MHz	2665 MHz		2521.01 MHz	2592.99 MHz	2665 MHz
	25.23	25.32	25.26		20.78	21.06	20.81		18.33	18.71	19.21
40 MHz	503202	518598	534000	40 MHz	503202	518598	534000	40 MHz	503202	518598	534000
	2516.01 MHz	2592.99 MHz	2670 MHz		2516.01 MHz	2592.99 MHz	2670 MHz		2516.01 MHz	2592.99 MHz	2670 MHz
	25.07	25.23	25.11		20.75	21.02	20.88		18.29	18.63	19.42
30 MHz	502200	518598	534996	30 MHz	502200	518598	534996	30 MHz	502200	518598	534996
	2511 MHx	2592.99 MHz	2675.0 MHz		2511 MHx	2592.99 MHz	2675.0 MHz		2511 MHx	2592.99 MHz	2675.0 MHz
	25.07	25.08	24.99		20.62	20.95	20.76		18.32	18.56	19.38
25 MHz	501696	518598	535500	25 MHz	501696	518598	535500	25 MHz	501696	518598	535500
	2508.48 MHz	2592.99 MHz	2677.50 MHz		2508.48 MHz	2592.99 MHz	2677.50 MHz		2508.48 MHz	2592.99 MHz	2677.50 MHz
	25.05	25.13	25.07		20.67	20.91	20.71		18.43	18.52	19.43
20 MHz	501204	518598	535998	20 MHz	501204	518598	535998	20 MHz	501204	518598	535998
	2506.02 MHz	2592.99 MHz	2679.99 MHz		2506.02 MHz	2592.99 MHz	2679.99 MHz		2506.02 MHz	2592.99 MHz	2679.99 MHz
	25.11	25.05	24.99		20.60	20.77	20.58		18.48	18.45	19.41
15 MHz	500700	518598	536496	15 MHz	500700	518598	536496	15 MHz	500700	518598	536496
	2503.5 MHz	2592.99 MHz	2682.48MHz		2503.5 MHz	2592.99 MHz	2682.48MHz		2503.5 MHz	2592.99 MHz	2682.48MHz
	25.03	24.98	25.06		20.37	20.58	20.61		18.45	18.52	19.48
10 MHz	500202	518598	537000	10 MHz	500202	518598	537000	10 MHz	500202	518598	537000
	2501.01 MHz	2592.99 MHz	2685 MHz		2501.01 MHz	2592.99 MHz	2685 MHz		2501.01 MHz	2592.99 MHz	2685 MHz
	25.17	25.07	24.95		20.21	20.30	20.33		18.53	18.43	19.51

NR Band n66 (ANT B)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					346000	349000	352000		
					1730.00 MHz	1745.00 MHz	1760.00 MHz		
40 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.58	23.36	23.23	0.0	24.5
			1	107	23.27	23.03	23.22	0.0	24.5
			1	214	23.20	23.40	23.33	0.0	24.5
			108	0	22.37	22.25	22.07	0.5	24.0
			108	54	23.33	23.29	23.28	0.0	24.5
			108	108	22.12	22.09	22.36	0.5	24.0
			216	0	22.40	22.31	22.24	0.5	24.0
		QPSK	1	1	23.37	23.40	23.13	0.0	24.5
			1	107	23.25	23.08	23.13	0.0	24.5
			1	214	23.17	23.36	23.37	0.0	24.5
			108	0	22.40	22.13	22.08	1.0	23.5
			108	54	23.17	23.21	23.20	0.0	24.5
			108	108	22.10	22.16	22.32	1.0	23.5
			216	0	22.30	22.27	22.28	1.0	23.5
		16QAM	1	1	22.41	22.28	21.98	1.0	23.5
			1	107	22.16	22.13	22.14	1.0	23.5
			1	214	22.03	22.20	22.23	1.0	23.5
		64QAM	1	1	21.07	20.93	20.73	2.5	22.0
		256QAM	1	1	18.37	18.21	17.98	4.5	20.0
	CP-OFDM	QPSK	1	1	22.11	21.93	21.75	1.5	23.0
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					345500	349000	352500		
					1727.50 MHz	1745.00 MHz	1762.50 MHz		
35 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.97	23.71	23.44	0.0	24.5
			1	93	23.92	23.65	23.69	0.0	24.5
			1	186	23.69	23.38	23.61	0.0	24.5
			90	0	22.83	22.69	22.49	0.5	24.0
			90	49	23.83	23.73	23.70	0.0	24.5
			90	98	22.58	22.52	22.61	0.5	24.0
			180	0	22.62	22.59	22.58	0.5	24.0
		QPSK	1	1	23.89	23.79	23.47	0.0	24.5
			1	93	23.78	23.68	23.72	0.0	24.5
			1	186	23.61	23.43	23.64	0.0	24.5
			90	0	22.84	22.72	22.54	1.0	23.5
			90	49	23.82	23.69	23.71	0.0	24.5
			90	98	22.67	22.50	22.61	1.0	23.5
			180	0	22.75	22.61	22.64	1.0	23.5
		16QAM	1	1	22.82	22.63	22.45	1.0	23.5
			1	93	22.70	22.54	22.58	1.0	23.5
			1	186	22.48	22.31	22.62	1.0	23.5
		64QAM	1	1	21.44	21.46	21.11	2.5	22.0
		256QAM	1	1	18.74	18.84	18.36	4.5	20.0
	CP-OFDM	QPSK	1	1	22.43	22.49	22.19	1.5	23.0
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					345000	349000	353000		
					1725.00 MHz	1745.00 MHz	1765.00 MHz		
30 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.04	23.68	23.73	0.0	24.5
			1	79	23.85	23.52	23.72	0.0	24.5
			1	158	23.80	23.58	23.84	0.0	24.5
			80	0	22.92	22.57	22.58	0.5	24.0
			80	40	23.91	23.58	23.74	0.0	24.5
			80	80	22.68	22.40	22.65	0.5	24.0
			160	0	22.71	22.50	22.67	0.5	24.0
		QPSK	1	1	22.74	23.69	23.70	0.0	24.5
			1	79	23.87	23.52	23.66	0.0	24.5
			1	158	23.67	23.53	23.86	0.0	24.5
			80	0	22.91	22.53	22.76	1.0	23.5
			80	40	23.86	23.48	23.65	0.0	24.5
			80	80	22.72	22.42	22.66	1.0	23.5
			160	0	22.80	22.43	22.61	1.0	23.5
		16QAM	1	1	22.91	22.55	22.68	1.0	23.5
			1	79	22.77	22.36	22.54	1.0	23.5
			1	158	22.60	22.42	22.71	1.0	23.5
		64QAM	1	1	21.52	21.28	21.33	2.5	22.0
		256QAM	1	1	18.87	18.69	18.55	4.5	20.0
	CP-OFDM	QPSK	1	1	22.51	22.32	22.28	1.5	23.0

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					344500	349000	353500		
					1722.50 MHz	1745.00 MHz	1767.50 MHz		
25 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.02	23.49	23.78	0.0	24.5
			1	66	23.75	23.49	23.71	0.0	24.5
			1	131	23.60	23.43	23.79	0.0	24.5
			64	0	22.83	22.36	22.63	0.5	24.0
			64	34	23.74	23.43	23.68	0.0	24.5
			64	69	22.67	22.30	22.60	0.5	24.0
			128	0	22.72	22.52	22.62	0.5	24.0
		QPSK	1	1	24.04	23.50	23.76	0.0	24.5
			1	66	23.86	23.43	23.69	0.0	24.5
			1	131	23.62	23.48	23.77	0.0	24.5
			64	0	22.88	22.42	22.68	1.0	23.5
			64	34	23.85	23.40	23.61	0.0	24.5
			64	69	22.72	22.37	22.60	1.0	23.5
			128	0	22.77	22.47	22.62	1.0	23.5
		16QAM	1	1	22.83	22.30	22.69	1.0	23.5
			1	66	22.77	22.23	22.52	1.0	23.5
			1	131	22.54	22.32	22.66	1.0	23.5
		64QAM	1	1	21.55	21.03	21.39	2.5	22.0
		256QAM	1	1	18.81	18.42	18.61	4.5	20.0
	CP-OFDM	QPSK	1	1	22.58	22.08	22.31	1.5	23.0

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					344000	349000	354000		
					1720.00 MHz	1745.00 MHz	1770.00 MHz		
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.92	23.72	23.50	0.0	24.5
			1	52	23.82	23.60	23.62	0.0	24.5
			1	104	23.67	23.47	23.68	0.0	24.5
			50	0	22.80	22.49	22.56	0.5	24.0
			50	28	23.87	23.54	23.63	0.0	24.5
			50	56	22.69	22.50	22.50	0.5	24.0
			100	0	22.72	22.56	22.59	0.5	24.0
		QPSK	1	1	23.78	23.66	23.49	0.0	24.5
			1	52	23.88	23.56	23.53	0.0	24.5
			1	104	23.65	23.53	23.63	0.0	24.5
			50	0	22.69	22.55	22.42	1.0	23.5
			50	28	23.86	23.52	23.59	0.0	24.5
			50	56	22.69	22.49	22.57	1.0	23.5
			100	0	22.81	22.71	22.63	1.0	23.5
		16QAM	1	1	22.78	22.51	22.42	1.0	23.5
			1	52	22.73	22.45	22.45	1.0	23.5
			1	104	22.53	22.36	22.54	1.0	23.5
		64QAM	1	1	21.50	21.22	21.10	2.5	22.0
		256QAM	1	1	18.75	18.49	18.38	4.5	20.0
	CP-OFDM	QPSK	1	1	22.42	22.32	22.18	1.5	23.0

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					343500	349000	354500		
					1717.50 MHz	1745.00 MHz	1772.50 MHz		
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.98	23.78	23.69	0.0	24.5
			1	39	23.86	23.63	23.81	0.0	24.5
			1	77	23.81	23.56	23.83	0.0	24.5
			36	0	22.86	22.60	22.55	0.5	24.0
			36	21	24.01	23.66	23.72	0.0	24.5
			36	43	22.79	22.46	22.55	0.5	24.0
			75	0	22.71	22.54	22.62	0.5	24.0
		QPSK	1	1	24.05	23.68	23.74	0.0	24.5
			1	39	23.76	23.61	23.86	0.0	24.5
			1	77	23.87	23.53	23.86	0.0	24.5
			36	0	22.80	22.59	22.59	1.0	23.5
			36	21	23.86	23.73	23.68	0.0	24.5
			36	43	22.71	22.51	22.61	1.0	23.5
			75	0	22.80	22.56	22.51	1.0	23.5
		16QAM	1	1	22.90	22.55	22.49	1.0	23.5
			1	39	22.73	22.51	22.39	1.0	23.5
			1	77	22.71	22.44	22.61	1.0	23.5
		64QAM	1	1	21.62	21.35	21.23	2.5	22.0
		256QAM	1	1	18.88	18.61	18.46	4.5	20.0
	CP-OFDM	QPSK	1	1	22.54	22.37	22.19	1.5	23.0

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					343000	349000	355000		
					1715.00 MHz	1745.00 MHz	1775.00 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.91	23.68	23.66	0.0	24.5
			1	25	23.75	23.57	23.71	0.0	24.5
			1	50	23.80	23.50	23.73	0.0	24.5
			25	0	22.86	22.47	22.60	0.5	24.0
			25	13	23.86	23.57	23.72	0.0	24.5
			25	27	22.76	22.48	22.66	0.5	24.0
			50	0	22.85	22.39	22.55	0.5	24.0
		QPSK	1	1	23.97	23.55	23.66	0.0	24.5
			1	25	23.93	23.52	23.64	0.0	24.5
			1	50	23.71	23.56	23.76	0.0	24.5
			25	0	22.84	22.47	22.59	1.0	23.5
			25	13	23.94	23.55	23.78	0.0	24.5
			25	27	22.82	22.42	22.67	1.0	23.5
			50	0	22.83	22.45	22.58	1.0	23.5
		16QAM	1	1	22.84	22.33	22.52	1.0	23.5
			1	25	22.83	22.41	22.48	1.0	23.5
			1	50	22.71	22.38	22.52	1.0	23.5
		64QAM	1	1	21.54	21.13	21.27	2.5	22.0
		256QAM	1	1	18.83	18.45	18.57	4.5	20.0
	CP-OFDM	QPSK	1	1	22.48	22.18	22.15	1.5	23.0

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					342500	349000	355500		
					1712.50 MHz	1745.00 MHz	1777.50 MHz		
5 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.77	23.53	23.63	0.0	24.5
			1	12	23.91	23.50	23.74	0.0	24.5
			1	23	23.69	23.48	23.63	0.0	24.5
			12	0	22.80	22.40	22.63	0.5	24.0
			12	6	23.82	23.53	23.69	0.0	24.5
			12	13	22.76	22.37	22.63	0.5	24.0
			25	0	22.68	22.39	22.67	0.5	24.0
		QPSK	1	1	23.71	23.45	23.55	0.0	24.5
			1	12	23.80	23.54	23.78	0.0	24.5
			1	23	23.67	23.45	23.60	0.0	24.5
			12	0	22.76	22.44	22.67	1.0	23.5
			12	6	23.81	23.51	23.74	0.0	24.5
			12	13	22.73	22.38	22.65	1.0	23.5
			25	0	22.71	22.45	22.65	1.0	23.5
		16QAM	1	1	22.80	22.43	22.66	1.0	23.5
			1	12	22.77	22.42	22.58	1.0	23.5
			1	23	22.69	22.36	22.56	1.0	23.5
		64QAM	1	1	21.42	21.05	21.26	2.5	22.0
		256QAM	1	1	18.73	18.36	18.50	4.5	20.0
	CP-OFDM	QPSK	1	1	22.28	21.90	22.20	1.5	23.0

NR Band n66 (ANT E)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)			MPR	Tune-up Limit
					Pmax				
					Measured Pwr (dBm)				
					346000	349000	352000		
					1730.00 MHz	1745.00 MHz	1760.00 MHz		
40 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.11	23.04	22.92	0.0	24.5
			1	107	22.87	22.78	22.97	0.0	24.5
			1	214	22.88	23.11	23.15	0.0	24.5
			108	0	21.94	21.89	22.33	0.5	24.0
			108	54	22.99	22.98	22.93	0.0	24.5
			108	108	21.82	21.90	22.07	0.5	24.0
			216	0	22.00	21.98	21.97	0.5	24.0
		QPSK	1	1	23.04	23.04	22.91	0.0	24.5
			1	107	22.89	22.77	22.96	0.0	24.5
			1	214	22.88	**23.16**	23.11	0.0	24.5
			108	0	21.98	21.86	21.87	1.0	23.5
			108	54	23.01	**23.03**	23.01	0.0	24.5
			108	108	21.79	21.88	22.06	1.0	23.5
			216	0	22.02	21.95	21.95	1.0	23.5
		16QAM	1	1	21.95	21.94	21.79	1.0	23.5
			1	107	21.93	21.77	21.92	1.0	23.5
			1	214	21.74	21.97	22.03	1.0	23.5
		64QAM	1	1	20.62	20.64	20.49	2.5	22.0
		256QAM	1	1	17.94	17.92	17.74	4.5	20.0
	CP-OFDM	QPSK	1	1	21.57	21.65	21.47	1.5	23.0
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					345500	349000	352500		
					1727.50 MHz	1745.00 MHz	1762.50 MHz		
35 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.11	23.14	23.12	0.0	24.5
			1	93	23.30	23.19	23.47	0.0	24.5
			1	186	23.05	23.42	23.68	0.0	24.5
			90	0	22.14	22.16	22.15	0.5	24.0
			90	49	23.19	23.28	23.36	0.0	24.5
			90	98	22.14	22.25	22.45	0.5	24.0
			180	0	22.11	22.16	22.31	0.5	24.0
		QPSK	1	1	23.18	23.20	22.96	0.0	24.5
			1	93	23.24	23.17	23.42	0.0	24.5
			1	186	23.08	23.39	23.67	0.0	24.5
			90	0	22.14	22.15	22.21	1.0	23.5
			90	49	23.23	23.26	23.42	0.0	24.5
			90	98	22.13	22.19	22.43	1.0	23.5
			180	0	22.11	22.14	22.30	1.0	23.5
		16QAM	1	1	22.14	22.19	22.04	1.0	23.5
			1	93	22.10	21.99	22.30	1.0	23.5
			1	186	22.06	22.34	22.49	1.0	23.5
		64QAM	1	1	20.87	20.76	20.64	2.5	22.0
		256QAM	1	1	18.18	18.08	17.93	4.5	20.0
	CP-OFDM	QPSK	1	1	21.69	22.01	21.71	1.5	23.0
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					345000	349000	353000		
					1725.00 MHz	1745.00 MHz	1765.00 MHz		
30 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.28	23.27	23.28	0.0	24.5
			1	79	23.31	23.19	23.50	0.0	24.5
			1	158	23.25	23.44	23.74	0.0	24.5
			80	0	22.14	22.10	22.26	0.5	24.0
			80	40	23.26	23.14	23.49	0.0	24.5
			80	80	22.20	22.22	22.52	0.5	24.0
			160	0	22.22	22.19	22.39	0.5	24.0
		QPSK	1	1	23.30	23.32	23.34	0.0	24.5
			1	79	23.27	23.20	23.53	0.0	24.5
			1	158	23.27	23.45	23.74	0.0	24.5
			80	0	22.19	22.13	22.33	1.0	23.5
			80	40	23.31	23.12	23.48	0.0	24.5
			80	80	22.18	22.22	22.50	1.0	23.5
			160	0	22.18	22.23	22.38	1.0	23.5
		16QAM	1	1	22.09	22.19	22.17	1.0	23.5
			1	79	22.17	22.04	22.41	1.0	23.5
			1	158	22.03	22.27	22.56	1.0	23.5
		64QAM	1	1	20.84	20.86	20.88	2.5	22.0
		256QAM	1	1	18.18	18.20	18.24	4.5	20.0
	CP-OFDM	QPSK	1	1	21.90	21.89	21.79	1.5	23.0

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					344500	349000	353500		
					1722.50 MHz	1745.00 MHz	1767.50 MHz		
25 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.27	23.38	23.43	0.0	24.5
			1	66	23.23	23.16	23.49	0.0	24.5
			1	131	23.08	23.38	23.70	0.0	24.5
			64	0	22.07	22.08	22.26	0.5	24.0
			64	34	23.22	23.25	23.43	0.0	24.5
			64	69	22.08	22.15	22.50	0.5	24.0
			128	0	22.09	22.18	22.38	0.5	24.0
		QPSK	1	1	23.27	23.37	23.40	0.0	24.5
			1	66	23.20	23.21	23.51	0.0	24.5
			1	131	23.23	23.42	23.69	0.0	24.5
			64	0	22.13	22.07	22.34	1.0	23.5
			64	34	23.20	23.14	23.56	0.0	24.5
			64	69	22.16	22.15	22.49	1.0	23.5
			128	0	22.10	22.18	22.36	1.0	23.5
		16QAM	1	1	22.12	22.19	22.30	1.0	23.5
			1	66	22.09	22.05	22.36	1.0	23.5
			1	131	22.08	22.28	22.54	1.0	23.5
		64QAM	1	1	20.82	20.88	20.99	2.5	22.0
		256QAM	1	1	18.12	18.19	18.29	4.5	20.0
	CP-OFDM	QPSK	1	1	21.88	21.82	21.92	1.5	23.0

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					344000	349000	354000		
					1720.00 MHz	1745.00 MHz	1770.00 MHz		
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.06	23.17	23.35	0.0	24.5
			1	52	23.17	23.10	23.37	0.0	24.5
			1	104	23.13	23.26	23.42	0.0	24.5
			50	0	22.07	22.04	22.24	0.5	24.0
			50	28	23.11	23.22	23.32	0.0	24.5
			50	56	22.05	22.05	22.35	0.5	24.0
			100	0	22.14	22.20	22.38	0.5	24.0
		QPSK	1	1	23.09	23.16	23.23	0.0	24.5
			1	52	23.12	23.09	23.36	0.0	24.5
			1	104	23.11	23.25	23.44	0.0	24.5
			50	0	22.04	22.11	22.22	1.0	23.5
			50	28	23.10	23.22	23.38	0.0	24.5
			50	56	22.03	22.06	22.31	1.0	23.5
			100	0	22.12	22.19	22.38	1.0	23.5
		16QAM	1	1	21.92	21.98	22.12	1.0	23.5
			1	52	22.05	22.00	22.20	1.0	23.5
			1	104	21.98	22.09	22.30	1.0	23.5
		64QAM	1	1	20.61	20.71	20.72	2.5	22.0
		256QAM	1	1	17.97	17.99	18.09	4.5	20.0
	CP-OFDM	QPSK	1	1	21.56	21.62	21.82	1.5	23.0

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					343500	349000	354500		
					1717.50 MHz	1745.00 MHz	1772.50 MHz		
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.24	23.22	23.38	0.0	24.5
			1	39	23.15	23.17	23.42	0.0	24.5
			1	77	23.18	23.29	23.47	0.0	24.5
			36	0	22.04	22.08	22.24	0.5	24.0
			36	21	23.26	23.24	23.42	0.0	24.5
			36	43	22.06	22.07	22.36	0.5	24.0
			75	0	22.10	22.09	22.27	0.5	24.0
		QPSK	1	1	23.21	23.21	23.37	0.0	24.5
			1	39	23.17	23.16	23.36	0.0	24.5
			1	77	23.16	23.28	23.43	0.0	24.5
			36	0	22.06	22.05	22.26	1.0	23.5
			36	21	23.25	23.23	23.40	0.0	24.5
			36	43	22.04	22.08	22.34	1.0	23.5
			75	0	22.08	22.09	22.26	1.0	23.5
		16QAM	1	1	22.05	22.10	22.27	1.0	23.5
			1	39	22.03	22.03	22.19	1.0	23.5
			1	77	22.08	22.06	22.31	1.0	23.5
		64QAM	1	1	20.73	20.79	20.96	2.5	22.0
		256QAM	1	1	18.09	18.09	18.27	4.5	20.0
	CP-OFDM	QPSK	1	1	21.72	21.77	21.96	1.5	23.0

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					343000	349000	355000		
					1715.00 MHz	1745.00 MHz	1775.00 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.27	23.12	23.38	0.0	24.5
			1	25	23.30	23.14	23.50	0.0	24.5
			1	50	23.27	23.13	23.50	0.0	24.5
			25	0	22.20	22.10	22.35	0.5	24.0
			25	13	23.26	23.14	23.51	0.0	24.5
			25	27	22.11	22.12	22.41	0.5	24.0
			50	0	22.22	22.09	22.42	0.5	24.0
		QPSK	1	1	23.23	23.16	23.42	0.0	24.5
			1	25	23.30	23.19	23.55	0.0	24.5
			1	50	23.28	23.15	23.47	0.0	24.5
			25	0	22.22	22.08	22.36	1.0	23.5
			25	13	23.27	23.21	23.43	0.0	24.5
			25	27	22.18	22.14	22.43	1.0	23.5
			50	0	22.11	22.10	22.35	1.0	23.5
		16QAM	1	1	22.09	22.01	22.27	1.0	23.5
			1	25	22.14	22.07	22.30	1.0	23.5
			1	50	22.12	22.03	22.34	1.0	23.5
		64QAM	1	1	20.78	20.69	20.92	2.5	22.0
		256QAM	1	1	18.13	18.10	18.28	4.5	20.0
	CP-OFDM	QPSK	1	1	21.81	21.74	21.98	1.5	23.0

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					342500	349000	355500		
					1712.50 MHz	1745.00 MHz	1777.50 MHz		
5 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.07	23.06	23.33	0.0	24.5
			1	12	23.19	23.17	23.57	0.0	24.5
			1	23	23.09	23.10	23.45	0.0	24.5
			12	0	22.09	22.05	22.44	0.5	24.0
			12	6	23.16	23.13	23.53	0.0	24.5
			12	13	22.06	22.09	22.44	0.5	24.0
			25	0	22.12	22.07	22.45	0.5	24.0
		QPSK	1	1	23.11	23.03	23.38	0.0	24.5
			1	12	23.20	23.15	23.55	0.0	24.5
			1	23	23.15	23.16	23.57	0.0	24.5
			12	0	22.07	22.03	22.42	1.0	23.5
			12	6	23.16	23.15	23.51	0.0	24.5
			12	13	22.10	22.08	22.41	1.0	23.5
			25	0	22.12	22.06	22.45	1.0	23.5
		16QAM	1	1	22.03	22.02	22.31	1.0	23.5
			1	12	22.08	21.98	22.40	1.0	23.5
			1	23	22.06	22.02	22.38	1.0	23.5
		64QAM	1	1	20.73	20.64	21.02	2.5	22.0
		256QAM	1	1	18.07	18.06	18.32	4.5	20.0
	CP-OFDM	QPSK	1	1	21.62	21.73	22.00	1.5	23.0

NR Band n70 (ANT B)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)			MPR	Tune-up Limit
					Pmax / DSI = 3				
					Measured Pwr (dBm)				
						340500			
						1702.50 MHz			
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1		23.69		0.0	24.0
			1	39		23.19		0.0	24.0
			1	77		22.96		0.0	24.0
			36	0		22.31		0.5	23.5
			36	21		23.27		0.0	24.0
			36	43		22.04		0.5	23.5
			75	0		22.18		0.5	23.5
		QPSK	1	1		23.54		0.0	24.0
			1	39		23.20		0.0	24.0
			1	77		22.93		0.0	24.0
			36	0		22.33		1.0	23.0
			36	21		23.28		0.0	24.0
			36	43		22.01		1.0	23.0
			75	0		22.24		1.0	23.0
		16QAM	1	1		22.36		1.0	23.0
			1	39		22.12		1.0	23.0
			1	77		21.91		1.0	23.0
		64QAM	1	1		21.17		2.5	21.5
		256QAM	1	1		18.52		4.5	19.5
	CP-OFDM	QPSK	1	1		22.09		1.5	22.5

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					340000	340500	341000		
					1700.00 MHz	1702.50 MHz	1705.00 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.69	23.76	23.58	0.0	24.0
			1	25	23.57	23.63	23.33	0.0	24.0
			1	50	23.46	23.48	23.21	0.0	24.0
			25	0	22.55	22.66	22.43	0.5	23.5
			25	13	23.61	23.57	23.35	0.0	24.0
			25	27	22.39	22.47	22.31	0.5	23.5
			50	0	22.48	22.52	22.29	0.5	23.5
		QPSK	1	1	23.72	23.73	23.60	0.0	24.0
			1	25	23.58	23.59	23.38	0.0	24.0
			1	50	23.44	23.44	23.25	0.0	24.0
			25	0	22.53	22.63	22.41	1.0	23.0
			25	13	23.59	23.63	23.42	0.0	24.0
			25	27	22.43	22.50	22.30	1.0	23.0
			50	0	22.54	22.50	22.30	1.0	23.0
		16QAM	1	1	22.52	22.59	22.45	1.0	23.0
			1	25	22.41	22.46	22.23	1.0	23.0
			1	50	22.31	22.33	22.12	1.0	23.0
		64QAM	1	1	21.28	21.30	21.10	2.5	21.5
		256QAM	1	1	18.61	18.58	18.53	4.5	19.5
	CP-OFDM	QPSK	1	1	22.29	22.24	22.22	1.5	22.5

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					339500	340500	341500		
					1697.50 MHz	1702.50 MHz	1707.50 MHz		
5 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.77	23.48	23.49	0.0	24.0
			1	12	23.78	23.43	23.46	0.0	24.0
			1	23	23.69	23.34	23.28	0.0	24.0
			12	0	22.68	22.42	22.35	0.5	23.5
			12	6	23.80	23.47	23.52	0.0	24.0
			12	13	22.72	22.37	22.38	0.5	23.5
			25	0	22.70	22.35	22.36	0.5	23.5
		QPSK	1	1	23.81	23.49	23.44	0.0	24.0
			1	12	23.77	23.45	23.52	0.0	24.0
			1	23	23.68	23.38	23.29	0.0	24.0
			12	0	22.67	22.35	22.35	1.0	23.0
			12	6	23.79	23.42	23.52	0.0	24.0
			12	13	22.73	22.35	22.39	1.0	23.0
			25	0	22.70	22.36	22.38	1.0	23.0
		16QAM	1	1	22.71	22.42	22.48	1.0	23.0
			1	12	22.68	22.29	22.38	1.0	23.0
			1	23	22.64	22.31	22.29	1.0	23.0
		64QAM	1	1	21.40	21.15	21.16	2.5	21.5
		256QAM	1	1	18.64	18.43	18.47	4.5	19.5
	CP-OFDM	QPSK	1	1	22.35	22.17	22.10	1.5	22.5

NR Band n70 (ANT E)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)			MPR	Tune-up Limit
					Pmax / DSI = 3				
					Measured Pwr (dBm)				
						340500			
						1702.50 MHz			
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1		22.95		0.0	24.0
			1	39		22.67		0.0	24.0
			1	77		22.56		0.0	24.0
			36	0		21.66		0.5	23.5
			36	21		22.66		0.0	24.0
			36	43		21.48		0.5	23.5
			75	0		21.56		0.5	23.5
		QPSK	1	1		22.95		0.0	24.0
			1	39		22.64		0.0	24.0
			1	77		22.53		0.0	24.0
			36	0		21.64		1.0	23.0
			36	21		22.74		0.0	24.0
			36	43		21.54		1.0	23.0
			75	0		21.57		1.0	23.0
		16QAM	1	1		21.86		1.0	23.0
			1	39		21.55		1.0	23.0
			1	77		21.35		1.0	23.0
		64QAM	1	1		20.46		2.5	21.5
		256QAM	1	1		17.82		4.5	19.5
	CP-OFDM	QPSK	1	1		21.53		1.5	22.5

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					340000	340500	341000		
					1700.00 MHz	1702.50 MHz	1705.00 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	22.91	22.77	22.94	0.0	24.0
			1	25	22.94	22.78	22.85	0.0	24.0
			1	50	22.73	22.69	22.62	0.0	24.0
			25	0	21.87	21.80	21.79	0.5	23.5
			25	13	22.89	22.77	22.81	0.0	24.0
			25	27	21.89	21.71	21.72	0.5	23.5
			50	0	21.94	21.74	21.79	0.5	23.5
		QPSK	1	1	22.96	22.76	22.99	0.0	24.0
			1	25	22.90	22.77	22.82	0.0	24.0
			1	50	22.76	22.58	22.62	0.0	24.0
			25	0	21.90	21.84	21.78	1.0	23.0
			25	13	22.92	22.73	22.81	0.0	24.0
			25	27	21.85	21.67	21.77	1.0	23.0
			50	0	21.91	21.80	21.81	1.0	23.0
		16QAM	1	1	21.89	21.72	21.91	1.0	23.0
			1	25	21.87	21.67	21.76	1.0	23.0
			1	50	21.75	21.56	21.65	1.0	23.0
		64QAM	1	1	20.62	20.43	20.64	2.5	21.5
		256QAM	1	1	17.94	17.80	17.93	4.5	19.5
	CP-OFDM	QPSK	1	1	21.66	21.50	21.68	1.5	22.5

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					339500	340500	341500		
					1697.50 MHz	1702.50 MHz	1707.50 MHz		
5 MHz	DFT-s-OFDM	π/2 BPSK	1	1	22.79	22.57	22.51	0.0	24.0
			1	12	22.97	22.56	22.56	0.0	24.0
			1	23	22.80	22.42	22.51	0.0	24.0
			12	0	21.88	21.56	21.59	0.5	23.5
			12	6	22.92	22.54	22.64	0.0	24.0
			12	13	21.87	21.63	21.54	0.5	23.5
			25	0	21.82	21.55	21.56	0.5	23.5
		QPSK	1	1	22.83	22.55	22.57	0.0	24.0
			1	12	22.95	22.55	22.54	0.0	24.0
			1	23	22.79	22.40	22.49	0.0	24.0
			12	0	21.88	21.55	21.58	1.0	23.0
			12	6	22.92	22.57	22.63	0.0	24.0
			12	13	21.85	21.51	21.57	1.0	23.0
			25	0	21.86	21.54	21.65	1.0	23.0
		16QAM	1	1	21.90	21.64	21.63	1.0	23.0
			1	12	21.93	21.53	21.58	1.0	23.0
			1	23	21.87	21.50	21.56	1.0	23.0
		64QAM	1	1	20.59	20.32	20.30	2.5	21.5
		256QAM	1	1	17.89	17.60	17.56	4.5	19.5
	CP-OFDM	QPSK	1	1	21.53	21.30	21.29	1.5	22.5

NR Band n71 (ANT A)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)			MPR	Tune-up Limit
					Pmax / DSI = 1, 3				
					Measured Pwr (dBm)				
					134600	136100	137600		
					673.00 MHz	680.50 MHz	688.00 MHz		
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.87	23.84	23.98	0.0	25.0
			1	52	23.95	23.94	24.00	0.0	25.0
			1	104	23.96	23.94	23.79	0.0	25.0
			50	0	22.85	22.96	22.95	0.5	24.5
			50	28	23.94	24.06	24.02	0.0	25.0
			50	56	22.96	23.02	23.02	0.5	24.5
			100	0	23.08	23.11	23.14	0.5	24.5
		QPSK	1	1	23.75	23.83	24.02	0.0	25.0
			1	52	23.94	23.96	24.00	0.0	25.0
			1	104	23.92	23.90	23.81	0.0	25.0
			50	0	22.91	22.92	22.92	1.0	24.0
			50	28	23.94	24.04	24.07	0.0	25.0
			50	56	22.98	22.90	22.98	1.0	24.0
			100	0	23.11	23.09	23.16	1.0	24.0
		16QAM	1	1	22.72	22.76	22.86	1.0	24.0
			1	52	22.88	22.77	22.90	1.0	24.0
			1	104	22.78	22.78	22.58	1.0	24.0
		64QAM	1	1	21.44	21.46	21.57	2.5	22.5
		256QAM	1	1	18.67	18.66	18.77	4.5	20.5
	CP-OFDM	QPSK	1	1	22.37	22.47	22.47	1.5	23.5
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					134100	136100	138100		
					670.50 MHz	680.50 MHz	690.50 MHz		
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.70	22.76	23.82	0.0	25.0
			1	39	23.77	23.77	23.66	0.0	25.0
			1	77	23.84	23.79	23.60	0.0	25.0
			36	0	22.84	22.80	22.86	0.5	24.5
			36	21	23.78	23.92	23.79	0.0	25.0
			36	43	22.95	22.85	22.73	0.5	24.5
			75	0	22.96	22.98	22.90	0.5	24.5
		QPSK	1	1	23.81	23.85	23.77	0.0	25.0
			1	39	23.71	23.84	23.73	0.0	25.0
			1	77	23.78	23.83	23.67	0.0	25.0
			36	0	22.78	22.80	22.81	1.0	24.0
			36	21	23.89	23.90	23.85	0.0	25.0
			36	43	22.78	22.82	22.78	1.0	24.0
			75	0	22.94	22.97	22.90	1.0	24.0
		16QAM	1	1	22.74	22.81	22.68	1.0	24.0
			1	39	22.82	22.70	22.68	1.0	24.0
			1	77	22.76	22.80	22.54	1.0	24.0
		64QAM	1	1	21.54	21.57	21.46	2.5	22.5
		256QAM	1	1	19.02	18.92	18.97	4.5	20.5
	CP-OFDM	QPSK	1	1	22.40	22.38	22.40	1.5	23.5
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					133600	136100	138600		
					668.00 MHz	680.50 MHz	693.00 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.82	23.92	23.76	0.0	25.0
			1	25	23.80	23.88	23.67	0.0	25.0
			1	50	23.86	23.79	23.62	0.0	25.0
			25	0	22.89	22.91	22.74	0.5	24.5
			25	13	23.91	23.97	23.75	0.0	25.0
			25	27	22.80	22.91	22.79	0.5	24.5
			50	0	22.88	22.97	22.80	0.5	24.5
		QPSK	1	1	23.85	23.87	23.78	0.0	25.0
			1	25	23.87	23.93	23.70	0.0	25.0
			1	50	23.88	23.76	23.63	0.0	25.0
			25	0	22.84	22.96	22.77	1.0	24.0
			25	13	23.90	23.97	23.80	0.0	25.0
			25	27	22.83	22.89	22.70	1.0	24.0
			50	0	22.92	22.99	22.84	1.0	24.0
		16QAM	1	1	22.68	22.79	22.66	1.0	24.0
			1	25	22.66	22.65	22.49	1.0	24.0
			1	50	22.66	22.63	22.43	1.0	24.0
		64QAM	1	1	21.50	21.45	21.31	2.5	22.5
		256QAM	1	1	18.75	18.75	18.60	4.5	20.5
	CP-OFDM	QPSK	1	1	22.43	22.38	22.26	1.5	23.5

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					133100	136100	139100		
					665.50 MHz	680.50 MHz	695.50 MHz		
5 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.86	23.99	23.89	0.0	25.0
			1	12	23.90	23.92	23.83	0.0	25.0
			1	23	23.79	23.94	23.84	0.0	25.0
			12	0	22.92	23.05	22.87	0.5	24.5
			12	6	23.90	23.95	23.79	0.0	25.0
			12	13	22.85	22.97	22.78	0.5	24.5
			25	0	22.99	23.03	22.92	0.5	24.5
		QPSK	1	1	23.90	24.03	23.93	0.0	25.0
			1	12	23.94	23.99	23.82	0.0	25.0
			1	23	23.79	23.95	23.82	0.0	25.0
			12	0	22.93	23.07	22.94	1.0	24.0
			12	6	23.94	23.96	23.81	0.0	25.0
			12	13	22.88	23.08	22.80	1.0	24.0
			25	0	22.96	23.06	22.92	1.0	24.0
		16QAM	1	1	22.78	22.95	22.65	1.0	24.0
			1	12	22.73	22.71	22.54	1.0	24.0
			1	23	22.65	22.81	22.68	1.0	24.0
		64QAM	1	1	21.54	21.62	21.51	2.5	22.5
		256QAM	1	1	19.00	18.96	18.82	4.5	20.5
	CP-OFDM	QPSK	1	1	22.52	22.68	22.52	1.5	23.5

NR Band n71 (ANT D)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Allowed Average Power (dBm)			MPR	Tune-up Limit
					Pmax / DSI = 1, 3				
					Measured Pwr (dBm)				
					134600	136100	137600		
					673.00 MHz	680.50 MHz	688.00 MHz		
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.88	23.93	24.05	0.0	25.0
			1	52	24.06	23.90	23.93	0.0	25.0
			1	104	23.97	23.90	23.83	0.0	25.0
			50	0	23.05	22.96	23.04	0.5	24.5
			50	28	24.06	24.10	23.97	0.0	25.0
			50	56	22.96	23.02	22.83	0.5	24.5
			100	0	23.09	23.10	23.13	0.5	24.5
		QPSK	1	1	23.91	23.86	24.02	0.0	25.0
			1	52	23.97	24.07	23.98	0.0	25.0
			1	104	23.98	23.96	23.75	0.0	25.0
			50	0	23.00	22.99	22.93	1.0	24.0
			50	28	24.08	24.11	23.95	0.0	25.0
			50	56	23.02	23.06	22.82	1.0	24.0
			100	0	23.16	23.12	23.12	1.0	24.0
		16QAM	1	1	22.80	22.76	22.85	1.0	24.0
			1	52	22.89	22.84	22.76	1.0	24.0
			1	104	22.75	22.73	22.54	1.0	24.0
		64QAM	1	1	21.57	21.54	21.62	2.5	22.5
		256QAM	1	1	18.78	18.74	18.83	4.5	20.5
	CP-OFDM	QPSK	1	1	22.46	22.56	22.52	1.5	23.5
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					134100	136100	138100		
					670.50 MHz	680.50 MHz	690.50 MHz		
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.77	24.71	24.49	0.0	25.0
			1	39	24.64	24.61	24.25	0.0	25.0
			1	77	24.62	24.34	23.96	0.0	25.0
			36	0	23.79	23.71	23.44	0.5	24.5
			36	21	24.74	24.64	24.39	0.0	25.0
			36	43	23.71	23.54	23.20	0.5	24.5
			75	0	23.87	23.63	23.45	0.5	24.5
		QPSK	1	1	24.83	24.72	24.49	0.0	25.0
			1	39	24.67	24.63	24.16	0.0	25.0
			1	77	24.63	24.36	23.98	0.0	25.0
			36	0	23.83	23.75	23.40	1.0	24.0
			36	21	24.80	24.62	24.35	0.0	25.0
			36	43	23.75	23.56	23.17	1.0	24.0
			75	0	23.78	23.67	23.42	1.0	24.0
		16QAM	1	1	23.62	23.66	23.40	1.0	24.0
			1	39	23.56	23.50	23.09	1.0	24.0
			1	77	23.61	23.26	22.86	1.0	24.0
		64QAM	1	1	22.42	22.41	22.24	2.5	22.5
		256QAM	1	1	20.17	20.04	19.80	4.5	20.5
	CP-OFDM	QPSK	1	1	23.48	23.33	23.09	1.5	23.5
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					133600	136100	138600		
					668.00 MHz	680.50 MHz	693.00 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.82	24.76	24.38	0.0	25.0
			1	25	24.75	24.69	24.17	0.0	25.0
			1	50	24.67	24.53	24.04	0.0	25.0
			25	0	23.79	23.75	23.36	0.5	24.5
			25	13	24.84	24.77	24.27	0.0	25.0
			25	27	23.70	23.57	23.13	0.5	24.5
			50	0	23.84	23.65	23.28	0.5	24.5
		QPSK	1	1	24.82	24.80	24.36	0.0	25.0
			1	25	24.77	24.71	24.16	0.0	25.0
			1	50	24.71	24.56	24.05	0.0	25.0
			25	0	23.84	23.79	23.26	1.0	24.0
			25	13	24.82	24.76	24.31	0.0	25.0
			25	27	23.76	23.59	23.18	1.0	24.0
			50	0	23.84	23.68	23.29	1.0	24.0
		16QAM	1	1	23.57	23.60	23.21	1.0	24.0
			1	25	23.54	23.45	22.95	1.0	24.0
			1	50	23.54	23.38	22.87	1.0	24.0
		64QAM	1	1	22.48	22.34	22.00	2.5	22.5
		256QAM	1	1	19.83	19.75	19.38	4.5	20.5
	CP-OFDM	QPSK	1	1	23.39	23.32	22.92	1.5	23.5

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					133100	136100	139100		
					665.50 MHz	680.50 MHz	695.50 MHz		
5 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.84	24.86	24.33	0.0	25.0
			1	12	24.91	24.76	24.24	0.0	25.0
			1	23	24.78	24.64	24.18	0.0	25.0
			12	0	23.88	23.77	23.30	0.5	24.5
			12	6	24.86	24.69	24.22	0.0	25.0
			12	13	23.83	23.66	23.16	0.5	24.5
			25	0	23.96	23.73	23.18	0.5	24.5
		QPSK	1	1	24.83	24.72	24.34	0.0	25.0
			1	12	24.92	24.66	24.19	0.0	25.0
			1	23	24.80	24.67	24.19	0.0	25.0
			12	0	23.86	23.75	23.34	1.0	24.0
			12	6	24.90	24.67	24.20	0.0	25.0
			12	13	23.83	23.65	23.13	1.0	24.0
			25	0	23.94	23.71	23.17	1.0	24.0
		16QAM	1	1	23.70	23.59	23.20	1.0	24.0
			1	12	23.67	23.46	22.92	1.0	24.0
			1	23	23.71	23.50	23.11	1.0	24.0
		64QAM	1	1	22.32	22.50	22.13	2.5	22.5
		256QAM	1	1	20.04	19.82	19.47	4.5	20.5
	CP-OFDM	QPSK	1	1	23.47	23.31	23.03	1.5	23.5

NR Band n77 (PC2) (ANT E)

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		
						3499.98 MHz		3750 MHz	3840 MHz	3930 MHz		
100 MHz	DFT-s-OFDM	π/2 BPSK	1	1		24.61		24.81	24.74	25.00	0.0	27.0
			1	137		24.86		24.52	24.72	24.51	0.0	27.0
			1	271		24.76		24.53	24.99	24.51	0.0	27.0
			135	0		24.85		24.68	24.85	24.94	0.5	26.5
			135	69		24.95		24.65	24.94	24.74	0.0	27.0
			135	138		24.93		24.57	24.93	24.60	0.5	26.5
			270	0		24.86		24.65	24.86	24.80	0.5	26.5
		QPSK	1	1		24.63		24.82	24.89	25.10	0.0	27.0
			1	137		24.94		24.54	24.81	24.60	0.0	27.0
			1	271		24.85		24.55	25.05	24.58	0.0	27.0
			135	0		24.83		24.66	24.86	24.94	1.0	26.0
			135	69		24.97		24.68	24.84	24.78	0.0	27.0
			135	138		24.94		24.61	24.96	24.65	1.0	26.0
			270	0		24.95		24.66	24.96	24.84	1.0	26.0
		16QAM	1	1		24.74		24.89	24.98	25.19	1.0	26.0
			1	137		25.02		24.64	24.95	24.81	1.0	26.0
			1	271		24.91		24.63	25.08	24.67	1.0	26.0
		64QAM	1	1		22.54		22.66	22.48	22.51	2.5	24.5
		256QAM	1	1		20.24		20.32	20.28	20.34	4.5	22.5
	CP-OFDM	QPSK	1	1		24.63		24.69	24.66	24.70	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		
					3495 MHz	3499.98 MHz	3504.99 MHz	3744.99MHz	3840 MHz	3934.98MHz		
90 MHz	DFT-s-OFDM	π/2 BPSK	1	1	25.87	25.82	25.77	25.82	25.56	25.42	0.0	27.0
			1	123	25.52	25.50	25.54	25.52	25.42	25.41	0.0	27.0
			1	243	25.53	25.59	25.59	25.47	25.48	25.37	0.0	27.0
			120	1	24.70	24.79	24.70	24.68	24.50	24.47	0.5	26.5
			120	63	25.66	25.65	25.69	25.63	25.46	25.48	0.0	27.0
			120	125	24.50	24.52	24.60	24.53	24.43	24.41	0.5	26.5
			243	0	24.68	24.68	24.74	24.67	24.82	24.60	0.5	26.5
		QPSK	1	1	25.90	25.79	25.76	25.82	24.57	25.48	0.0	27.0
			1	123	25.56	25.51	25.58	25.53	25.38	25.46	0.0	27.0
			1	243	25.53	25.57	25.58	25.57	25.47	25.36	0.0	27.0
			120	1	24.74	24.69	24.68	24.69	24.50	24.45	1.0	26.0
			120	63	25.66	25.66	25.69	25.63	25.45	25.48	0.0	27.0
			120	125	24.49	24.51	24.61	24.53	24.47	24.42	1.0	26.0
			243	0	24.70	24.71	24.74	24.66	24.55	24.50	1.0	26.0
		16QAM	1	1	24.67	24.78	24.51	24.82	24.42	24.45	1.0	26.0
		64QAM	1	1	23.46	23.24	23.28	23.29	23.02	22.91	2.5	24.5
		256QAM	1	1	21.20	21.10	21.02	21.11	20.79	20.72	4.5	22.5
	CP-OFDM	QPSK	1	1	24.41	24.35	24.26	24.33	24.06	24.08	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	3499.98 MHz	3510 MHz	3740.01 MHz	3840 MHz	3939.99 MHz		
80 MHz	DFT-s-OFDM	π/2 BPSK	1	1	25.75	25.80	25.75	25.92	25.62	25.61	0.0	27.0
			1	109	25.48	25.48	25.39	25.51	25.34	25.37	0.0	27.0
			1	215	25.58	25.53	25.53	25.54	25.62	25.44	0.0	27.0
			108	0	24.70	24.50	24.65	24.76	24.62	24.53	0.5	26.5
			108	55	25.68	25.62	25.63	25.68	25.58	25.64	0.0	27.0
			108	109	24.56	24.49	24.45	24.54	24.55	25.59	0.5	26.5
			216	0	24.73	24.69	24.71	24.76	24.62	24.64	0.5	26.5
		QPSK	1	1	25.74	25.82	25.75	25.93	25.63	25.59	0.0	27.0
			1	109	25.48	25.42	25.45	25.52	25.35	25.39	0.0	27.0
			1	215	25.55	25.56	25.56	25.52	25.61	25.46	0.0	27.0
			108	0	24.71	24.67	24.68	24.79	24.68	24.62	1.0	26.0
			108	55	25.68	25.65	25.66	25.70	25.66	25.67	0.0	27.0
			108	109	24.55	24.49	24.53	24.62	24.53	24.50	1.0	26.0
			216	0	24.73	24.68	24.35	24.76	24.64	24.58	1.0	26.0
		16QAM	1	1	24.69	24.74	24.69	24.80	24.56	24.51	1.0	26.0
		64QAM	1	1	23.24	23.21	23.19	23.43	23.10	23.07	2.5	24.5
		256QAM	1	1	21.00	20.99	21.08	21.23	20.86	20.87	4.5	22.5
	CP-OFDM	QPSK	1	1	24.24	24.39	24.37	24.42	24.19	24.13	1.5	25.5

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)						MPR	Tune-up Limit
					632334	633332	634332	649000	656000	663000		
					3485.01 MHz	3499.98 MHz	3514.98 MHz	3735MHz	3840 MHz	3945MHz		
70 MHz	DFT-s-OFDM	π/2 BPSK	1	1	25.67	25.58	25.50	25.73	25.50	25.38	0.0	27.0
			1	95	25.42	25.43	25.43	25.45	25.41	25.30	0.0	27.0
			1	188	25.35	25.42	25.40	25.41	25.43	25.26	0.0	27.0
			90	0	24.71	24.67	24.65	24.62	24.57	24.54	0.5	26.5
			90	50	25.64	25.66	25.64	25.69	25.65	25.49	0.0	27.0
			90	99	24.49	24.53	24.54	24.52	24.58	24.37	0.5	26.5
			180	0	24.59	24.63	24.58	24.66	24.62	24.44	0.5	26.5
		QPSK	1	1	25.65	25.63	25.54	25.71	25.41	25.42	0.0	27.0
			1	95	25.42	25.43	25.43	25.51	25.43	25.29	0.0	27.0
			1	188	25.35	25.42	25.40	25.41	25.45	25.24	0.0	27.0
			90	0	24.70	24.74	24.66	24.93	24.57	24.54	1.0	26.0
			90	50	25.66	24.69	25.66	25.54	25.65	25.49	0.0	27.0
			90	99	24.48	24.54	24.52	24.53	24.51	24.39	1.0	26.0
			180	0	24.61	24.62	24.57	24.69	24.59	24.47	1.0	26.0
		16QAM	1	1	24.68	24.67	24.60	24.76	24.45	24.32	1.0	26.0
		64QAM	1	1	23.23	23.19	23.05	23.31	22.99	23.09	2.5	24.5
		256QAM	1	1	21.10	20.98	20.89	21.11	20.78	20.76	4.5	22.5
	CP-OFDM	QPSK	1	1	24.32	24.21	24.26	24.41	24.11	24.03	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	3499.98 MHz	3519.99 MHz	3730.02 MHz	3840 MHz	3949.98 MHz		
60 MHz	DFT-s-OFDM	π/2 BPSK	1	1	25.72	25.65	25.52	25.75	25.51	25.35	0.0	27.0
			1	81	25.42	25.44	25.25	25.51	25.36	25.21	0.0	27.0
			1	160	25.43	25.39	25.33	25.40	25.51	25.21	0.0	27.0
			81	0	24.66	24.39	24.43	24.71	24.49	24.41	0.5	26.5
			81	41	25.68	24.60	25.51	25.64	25.51	25.38	0.0	27.0
			81	81	24.43	24.50	24.35	24.55	24.47	24.26	0.5	26.5
			162	0	24.61	24.63	24.50	24.71	24.55	24.42	0.5	26.5
		QPSK	1	1	25.72	25.63	25.48	25.74	25.43	25.36	0.0	27.0
			1	81	25.49	25.39	25.35	25.48	25.29	25.21	0.0	27.0
			1	160	25.42	25.44	25.31	25.41	25.48	25.20	0.0	27.0
			81	0	24.57	24.71	24.44	24.71	24.28	24.40	1.0	26.0
			81	41	25.63	25.81	25.44	25.66	25.58	25.39	0.0	27.0
			81	81	24.46	24.33	24.33	24.59	24.46	24.24	1.0	26.0
			162	0	24.69	24.63	24.58	24.70	24.56	24.41	1.0	26.0
		16QAM	1	1	24.60	24.60	24.49	24.68	24.39	24.24	1.0	26.0
		64QAM	1	1	23.19	23.03	22.99	23.29	22.94	22.87	2.5	24.5
		256QAM	1	1	20.91	20.89	20.84	21.04	20.74	20.63	4.5	22.5
	CP-OFDM	QPSK	1	1	24.32	24.20	24.05	24.31	23.99	23.91	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	3499.98 MHz	3525 MHz	3725.01 MHz	3840 MHz	3954.99 MHz		
50 MHz	DFT-s-OFDM	π/2 BPSK	1	1	25.87	25.79	25.67	25.90	25.63	25.59	0.0	27.0
			1	67	25.60	25.66	25.50	25.69	25.65	25.56	0.0	27.0
			1	131	25.66	25.63	25.48	25.62	25.63	25.61	0.0	27.0
			64	0	24.93	24.81	24.75	24.88	24.74	24.65	0.5	26.5
			64	35	25.91	25.86	25.67	25.93	25.74	24.66	0.0	27.0
			64	69	24.66	24.72	24.52	24.74	24.74	24.67	0.5	26.5
			128	0	24.85	24.78	24.67	24.80	24.70	24.75	0.5	26.5
		QPSK	1	1	25.92	25.79	25.63	25.87	25.69	25.50	0.0	27.0
			1	67	25.65	25.69	25.49	25.67	25.63	25.65	0.0	27.0
			1	131	25.73	25.60	25.46	25.62	25.63	25.63	0.0	27.0
			64	0	24.36	24.85	24.74	24.92	24.73	24.67	1.0	26.0
			64	35	25.92	25.88	25.76	25.95	25.74	25.94	0.0	27.0
			64	69	24.71	24.74	24.61	24.78	24.74	24.84	1.0	26.0
			128	0	24.84	24.80	24.62	24.75	24.67	24.74	1.0	26.0
		16QAM	1	1	24.82	24.70	24.67	24.84	24.55	24.56	1.0	26.0
		64QAM	1	1	23.40	23.31	23.26	23.37	23.16	23.10	2.5	24.5
		256QAM	1	1	21.18	20.99	21.01	21.15	20.93	20.88	4.5	22.5
	CP-OFDM	QPSK	1	1	24.45	24.44	24.39	24.43	24.37	24.21	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	3499.98 MHz	3529.98 MHz	3720.02 MHz	3840 MHz	3960 MHz		
40 MHz	DFT-s-OFDM	π/2 BPSK	1	1	25.69	25.55	25.51	25.81	25.42	25.39	0.0	27.0
			1	53	25.58	25.45	25.38	25.62	25.37	25.34	0.0	27.0
			1	104	25.53	25.43	25.37	25.51	25.46	25.35	0.0	27.0
			50	0	24.72	24.58	24.47	24.80	24.70	24.44	0.5	26.5
			50	28	25.75	25.63	25.52	25.83	24.56	25.59	0.0	27.0
			50	56	24.63	24.51	24.43	24.67	24.55	24.50	0.5	26.5
			100	0	24.80	24.69	24.57	24.78	24.62	24.61	0.5	26.5
		QPSK	1	1	25.71	25.56	25.51	25.82	25.43	25.29	0.0	27.0
			1	53	25.59	25.45	25.38	25.62	25.39	25.29	0.0	27.0
			1	104	25.47	25.43	25.38	25.64	25.47	25.39	0.0	27.0
			50	0	24.70	24.59	24.47	24.80	24.37	24.43	1.0	26.0
			50	28	25.72	25.63	25.53	25.77	25.87	25.59	0.0	27.0
			50	56	24.63	24.55	24.42	24.69	24.87	24.50	1.0	26.0
			100	0	24.78	24.67	24.56	24.93	24.59	24.61	1.0	26.0
		16QAM	1	1	24.59	24.50	24.31	24.70	24.47	24.26	1.0	26.0
		64QAM	1	1	23.20	23.10	23.03	23.30	22.92	22.87	2.5	24.5
		256QAM	1	1	20.90	20.87	20.71	21.09	20.77	20.64	4.5	22.5
	CP-OFDM	QPSK	1	1	24.31	24.17	24.02	24.35	24.03	23.94	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	3499.98 MHz	3535.02 MHz	3715.02 MHz	3840 MHz	3964.98 MHz		
30 MHz	DFT-s-OFDM	π/2 BPSK	1	1	25.71	25.62	25.50	25.74	25.55	24.50	0.0	27.0
			1	39	25.57	25.55	25.44	25.68	25.43	25.42	0.0	27.0
			1	76	25.59	25.54	25.39	25.52	25.48	25.54	0.0	27.0
			36	0	24.66	24.72	24.59	24.67	24.52	24.49	0.5	26.5
			36	21	25.69	25.60	25.50	25.73	25.60	25.53	0.0	27.0
			36	42	24.63	24.56	24.43	24.62	24.56	25.69	0.5	26.5
			75	0	24.65	24.57	24.46	24.64	24.45	24.58	0.5	26.5
		QPSK	1	1	25.78	25.63	25.52	25.72	25.53	25.58	0.0	27.0
			1	39	25.70	25.46	25.43	25.69	25.41	25.39	0.0	27.0
			1	76	25.51	25.55	25.36	25.56	25.45	25.51	0.0	27.0
			36	0	24.71	24.26	24.86	24.72	24.58	24.45	1.0	26.0
			36	21	25.71	25.76	24.75	25.76	25.56	25.52	0.0	27.0
			36	42	24.65	24.54	24.43	24.54	24.35	24.54	1.0	26.0
			75	0	24.58	24.77	24.37	24.63	24.51	24.48	1.0	26.0
		16QAM	1	1	24.45	24.50	24.37	24.73	24.51	24.40	1.0	26.0
		64QAM	1	1	23.35	23.13	22.94	23.14	23.05	22.84	2.5	24.5
		256QAM	1	1	20.98	20.90	20.65	20.95	20.80	20.70	4.5	22.5
	CP-OFDM	QPSK	1	1	24.37	24.15	24.23	24.30	24.16	23.92	1.5	25.5
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)						MPR	Tune-up Limit
					630834	633332	635832	647500	656000	664500		
					3462.51 MHz	3499.98 MHz	3537.48 MHz	3712.5 MHz	3840 MHz	3967.5 MHz		
25 MHz	DFT-s-OFDM	π/2 BPSK	1	1	25.76	25.56	25.4	25.79	25.52	25.47	0.0	27.0
			1	32	25.74	25.55	25.39	25.78	25.52	25.46	0.0	27.0
			1	63	25.69	25.49	25.34	25.64	25.47	25.46	0.0	27.0
			32	0	25.75	25.54	25.43	25.8	25.54	25.48	0.5	26.5
			32	16	25.76	25.55	25.47	25.79	25.56	25.48	0.0	27.0
			32	33	25.75	25.55	25.53	25.81	25.55	25.49	0.5	26.5
			64	0	24.69	24.48	24.35	24.69	24.40	24.39	0.5	26.5
		QPSK	1	1	25.76	25.54	25.49	25.79	25.54	25.48	0.0	27.0
			1	32	25.76	25.54	25.42	25.82	25.56	25.48	0.0	27.0
			1	63	25.72	25.45	25.35	25.65	25.47	25.38	0.0	27.0
			32	0	25.77	25.53	25.44	25.81	25.55	25.38	1.0	26.0
			32	16	25.77	25.56	25.44	25.8	25.55	25.48	0.0	27.0
			32	33	25.76	25.54	25.44	25.82	25.55	25.41	1.0	26.0
			64	0	24.73	24.46	24.35	24.72	24.42	24.37	1.0	26.0
		16QAM	1	1	24.67	24.46	24.38	24.73	24.54	24.45	1.0	26.0
		64QAM	1	1	23.28	23.05	22.91	23.30	22.97	22.92	2.5	24.5
		256QAM	1	1	21.01	20.8	20.68	21.11	20.82	20.74	4.5	22.5
	CP-OFDM	QPSK	1	1	24.32	24.19	23.96	24.43	24.16	24.04	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	3499.98 MHz	3540 MHz	3710.01 MHz	3840 MHz	3969.99 MHz		
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1	25.12	25.45	25.35	25.29	25.16	25.05	0.0	27.0
			1	25	24.65	24.93	24.76	24.82	24.75	24.52	0.0	27.0
			1	49	24.81	25.08	24.89	24.89	24.96	24.73	0.0	27.0
			25	0	24.78	25.03	24.73	24.76	24.83	24.65	0.5	26.5
			25	13	25.22	25.47	25.24	25.12	25.41	25.16	0.0	27.0
			25	26	24.70	24.97	24.76	24.77	24.79	24.63	0.5	26.5
			50	0	24.29	24.46	24.21	24.21	24.33	24.13	0.5	26.5
		QPSK	1	1	25.19	25.53	25.37	25.13	25.18	24.98	0.0	27.0
			1	25	25.16	25.44	25.31	25.13	25.34	24.99	0.0	27.0
			1	49	25.29	25.55	25.40	25.38	25.39	25.19	0.0	27.0
			25	0	24.28	24.42	24.25	24.21	24.30	24.12	1.0	26.0
			25	13	25.25	25.50	25.37	25.20	25.33	24.97	0.0	27.0
			25	26	24.21	24.42	24.29	24.22	24.37	24.10	1.0	26.0
			50	0	24.34	24.45	24.29	24.17	24.36	24.17	1.0	26.0
		16QAM	1	1	24.26	24.50	24.46	24.17	24.30	24.15	1.0	26.0
		64QAM	1	1	22.65	23.09	22.79	22.67	22.91	22.72	2.5	24.5
		256QAM	1	1	20.53	20.79	20.72	20.75	20.57	20.45	4.5	22.5
	CP-OFDM	QPSK	1	1	23.87	24.19	24.06	23.91	23.86	23.70	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		
					3457.50 MHz	3499.98 MHz	3542.52 MHz	3707.52 MHz	3840 MHz	3972.48 MHz		
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	25.18	25.45	25.22	25.27	25.34	25.06	0.0	27.0
			1	19	25.22	25.44	25.18	25.07	25.25	25.04	0.0	27.0
			1	36	25.30	25.41	25.19	25.23	25.40	25.00	0.0	27.0
			18	0	24.66	24.96	24.76	24.70	24.82	24.61	0.5	26.5
			18	10	25.33	25.44	25.29	25.26	25.31	25.14	0.0	27.0
			18	20	24.69	24.88	24.64	24.84	24.84	24.61	0.5	26.5
			36	0	24.65	24.86	24.77	24.76	24.79	24.54	0.5	26.5
		QPSK	1	1	25.08	25.34	25.26	25.24	25.31	25.13	0.0	27.0
			1	19	25.14	25.39	25.23	25.15	25.22	25.10	0.0	27.0
			1	36	25.22	25.44	25.09	25.14	25.37	25.13	0.0	27.0
			18	0	24.10	24.43	24.20	24.24	24.26	24.06	1.0	26.0
			18	10	25.19	25.39	25.20	25.28	25.26	25.08	0.0	27.0
			18	20	24.18	24.43	24.27	24.32	24.24	24.14	1.0	26.0
			36	0	24.15	24.36	24.23	24.23	24.25	24.11	1.0	26.0
		16QAM	1	1	24.20	24.43	24.30	24.28	24.39	24.08	1.0	26.0
		64QAM	1	1	22.54	23.02	22.90	22.71	23.01	22.65	2.5	24.5
		256QAM	1	1	20.44	20.80	20.64	20.74	20.83	20.53	4.5	22.5
	CP-OFDM	QPSK	1	1	23.77	24.02	23.91	23.94	23.95	23.80	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	25.22	25.51	25.27	25.05	25.44	25.22	0.0	27.0
			1	12	25.18	25.45	25.07	25.03	25.01	25.22	0.0	27.0
			1	22	25.24	25.48	25.10	25.00	25.08	25.29	0.0	27.0
			12	0	24.72	25.00	24.70	24.58	24.52	24.73	0.5	26.5
			12	6	25.20	25.52	25.12	25.06	25.07	25.23	0.0	27.0
			12	12	24.79	25.01	24.60	24.63	24.55	24.77	0.5	26.5
			24	0	24.63	24.90	24.63	24.53	24.56	24.76	0.5	26.5
		QPSK	1	1	25.26	25.45	25.13	25.13	25.01	25.26	0.0	27.0
			1	12	25.20	25.41	25.04	25.10	24.95	25.30	0.0	27.0
			1	22	25.21	25.42	25.15	25.07	25.14	25.32	0.0	27.0
			12	0	24.15	24.42	24.21	24.07	24.38	24.26	1.0	26.0
			12	6	25.23	25.40	25.18	25.10	25.28	25.28	0.0	27.0
			12	12	24.18	24.42	24.20	24.07	24.36	24.33	1.0	26.0
			24	0	24.25	24.41	24.20	24.07	24.36	24.29	1.0	26.0
		16QAM	1	1	24.18	24.57	24.39	24.16	24.30	24.18	1.0	26.0
		64QAM	1	1	22.62	22.91	22.98	22.65	23.01	23.11	2.5	24.5
		256QAM	1	1	20.40	20.77	20.66	20.60	20.76	20.59	4.5	22.5
	CP-OFDM	QPSK	1	1	23.83	24.18	23.85	23.84	23.81	23.80	1.5	25.5

NR Band n77 SRS (PC2, DoD) (ANT C, ANT F, ANT A)

Maximum Average Power (dBm) SRS1			Tune-up Limit	Maximum Average Power (dBm) SRS2			Tune-up Limit	Maximum Average Power (dBm) SRS3			Tune-up Limit
			20.0				26.0				22.5
BW (MHz)	RB Allocation	RB offset	MPR	BW (MHz)	RB Allocation	RB offset	MPR	BW (MHz)	RB Allocation	RB offset	MPR
	1	1	0.0		1	1	0.0		1	1	0.0
	Measured Pwr (dBm)				Measured Pwr (dBm)				Measured Pwr (dBm)		
100 MHz		633332		100 MHz		633332		100 MHz		633332	
		3499.98 MHz				3499.98 MHz				3499.98 MHz	
		19.64				25.35				22.13	
90 MHz	633000	633332	633666	90 MHz	633000	633332	633666	90 MHz	633000	633332	633666
	3495 MHz	3499.98 MHz	3504.99 MHz		3495 MHz	3499.98 MHz	3504.99 MHz		3495 MHz	3499.98 MHz	3504.99 MHz
	19.55	19.47	19.52		25.33	25.30	25.23		22.15	22.22	22.15
80 MHz	632668	633332	634000	80 MHz	632668	633332	634000	80 MHz	632668	633332	634000
	3490.02 MHz	3499.98 MHz	3510 MHz		3490.02 MHz	3499.98 MHz	3510 MHz		3490.02 MHz	3499.98 MHz	3510 MHz
	19.41	19.56	19.49		25.34	25.25	25.27		22.14	22.23	22.16
70 MHz	632334	633332	634332	70 MHz	632334	633332	634332	70 MHz	632334	633332	634332
	3485.01 MHz	3499.98 MHz	3514.98 MHz		3485.01 MHz	3499.98 MHz	3514.98 MHz		3485.01 MHz	3499.98 MHz	3514.98 MHz
	19.48	19.53	19.55		25.39	25.27	25.35		22.21	22.23	22.17
60 MHz	632000	633332	634666	60 MHz	632000	633332	634666	60 MHz	632000	633332	634666
	3480 MHz	3499.98 MHz	3519.99 MHz		3480 MHz	3499.98 MHz	3519.99 MHz		3480 MHz	3499.98 MHz	3519.99 MHz
	19.53	19.48	19.52		25.44	25.43	25.34		22.18	22.25	22.21
50 MHz	631668	633332	635000	50 MHz	631668	633332	635000	50 MHz	631668	633332	635000
	3475.02 MHz	3499.98 MHz	3525 MHz		3475.02 MHz	3499.98 MHz	3525 MHz		3475.02 MHz	3499.98 MHz	3525 MHz
	19.72	19.66	19.57		25.50	25.46	25.37		22.13	22.27	22.16
40 MHz	631334	633332	635332	40 MHz	631334	633332	635332	40 MHz	631334	633332	635332
	3470.01 MHz	3499.98 MHz	3529.98 MHz		3470.01 MHz	3499.98 MHz	3529.98 MHz		3470.01 MHz	3499.98 MHz	3529.98 MHz
	19.58	19.56	19.48		25.46	25.48	25.35		22.16	22.18	22.17
30 MHz	631000	633332	635668	30 MHz	631000	633332	635668	30 MHz	631000	633332	635668
	3465 MHz	3499.98 MHz	3535.02 MHz		3465 MHz	3499.98 MHz	3535.02 MHz		3465 MHz	3499.98 MHz	3535.02 MHz
	19.55	19.52	19.52		25.39	25.42	25.26		22.14	22.21	22.18
25 MHz	630834	633332	635832	25 MHz	630834	633332	635832	25 MHz	630834	633332	635832
	3462.51 MHz	3499.98 MHz	3537.48 MHz		3462.51 MHz	3499.98 MHz	3537.48 MHz		3462.51 MHz	3499.98 MHz	3537.48 MHz
	19.49	19.50	19.51		25.41	25.44	25.31		22.13	22.25	22.11
20 MHz	630668	633332	636000	20 MHz	630668	633332	636000	20 MHz	630668	633332	636000
	3460.02 MHz	3499.98 MHz	3540 MHz		3460.02 MHz	3499.98 MHz	3540 MHz		3460.02 MHz	3499.98 MHz	3540 MHz
	19.56	19.49	19.59		25.44	25.36	25.30		22.10	22.14	22.08
15 MHz	630500	633332	636168	15 MHz	630500	633332	636168	15 MHz	630500	633332	636168
	3457.5 MHz	3499.98 MHz	3542.52 MHz		3457.5 MHz	3499.98 MHz	3542.52 MHz		3457.5 MHz	3499.98 MHz	3542.52 MHz
	19.47	19.46	19.49		25.47	25.32	25.27		22.07	22.13	22.12
10 MHz	630334	633332	636332	10 MHz	630334	633332	636332	10 MHz	630334	633332	636332
	3455.01 MHz	3499.98 MHz	3544.98 MHz		3455.01 MHz	3499.98 MHz	3544.98 MHz		3455.01 MHz	3499.98 MHz	3544.98 MHz
	19.68	19.52	19.36		25.49	25.29	25.26		22.05	22.11	22.09

NR Band n77 SRS (PC2, Upper) (ANT C, ANT F, ANT A)

Maximum Average Power (dBm) SRS1			Tune-up Limit	Maximum Average Power (dBm) SRS2			Tune-up Limit	Maximum Average Power (dBm) SRS3			Tune-up Limit
			20.0				26.0				22.5
BW (MHz)	RB Allocation	RB offset	MPR	BW (MHz)	RB Allocation	RB offset	MPR	BW (MHz)	RB Allocation	RB offset	MPR
	1	1	0.0		1	1	0.0		1	1	0.0
	Measured Pwr (dBm)				Measured Pwr (dBm)				Measured Pwr (dBm)		
100 MHz	650000	656000	662000	100 MHz	650000	656000	662000	100 MHz	650000	656000	662000
	3750 MHz	3840 MHz	3930 MHz		3750 MHz	3840 MHz	3930 MHz		3750 MHz	3840 MHz	3930 MHz
	18.05	17.76	17.83		25.44	25.37	25.28		20.24	21.02	20.32
90 MHz	649666	656000	662332	90 MHz	649666	656000	662332	90 MHz	649666	656000	662332
	3744.99MHz	3840 MHz	3934.98MHz		3744.99MHz	3840 MHz	3934.98MHz		3744.99MHz	3840 MHz	3934.98MHz
	18.11	17.71	17.72		25.41	25.35	25.33		20.21	21.05	20.23
80 MHz	649334	656000	662666	80 MHz	649334	656000	662666	80 MHz	649334	656000	662666
	3740.01 MHz	3840 MHz	3939.99 MHz		3740.01 MHz	3840 MHz	3939.99 MHz		3740.01 MHz	3840 MHz	3939.99 MHz
	18.21	17.68	17.69		25.39	25.41	25.31		20.26	21.12	20.14
70 MHz	649000	656000	663000	70 MHz	649000	656000	663000	70 MHz	649000	656000	663000
	3735MHz	3840 MHz	3945MHz		3735MHz	3840 MHz	3945MHz		3735MHz	3840 MHz	3945MHz
	18.25	17.66	17.75		25.38	25.46	25.28		20.22	20.08	20.21
60 MHz	648668	656000	663332	60 MHz	648668	656000	663332	60 MHz	648668	656000	663332
	3730.02 MHz	3840 MHz	3949.98 MHz		3730.02 MHz	3840 MHz	3949.98 MHz		3730.02 MHz	3840 MHz	3949.98 MHz
	18.35	17.61	17.77		25.43	25.55	25.30		20.19	20.05	20.13
50 MHz	648334	656000	663666	50 MHz	648334	656000	663666	50 MHz	648334	656000	663666
	3725.01 MHz	3840 MHz	3954.99 MHz		3725.01 MHz	3840 MHz	3954.99 MHz		3725.01 MHz	3840 MHz	3954.99 MHz
	18.42	17.72	17.95		25.51	25.63	25.34		20.28	21.14	20.33
40 MHz	648000	656000	664000	40 MHz	648000	656000	664000	40 MHz	648000	656000	664000
	3720.02 MHz	3840 MHz	3960 MHz		3720.02 MHz	3840 MHz	3960 MHz		3720.02 MHz	3840 MHz	3960 MHz
	18.41	17.77	17.91		25.49	25.61	25.33		20.41	21.22	20.21
30 MHz	647668	656000	664332	30 MHz	647668	656000	664332	30 MHz	647668	656000	664332
	3715.02 MHz	3840 MHz	3964.98 MHz		3715.02 MHz	3840 MHz	3964.98 MHz		3715.02 MHz	3840 MHz	3964.98 MHz
	18.53	17.78	17.78		25.28	25.56	25.29		20.33	21.25	20.22
25 MHz	647500	656000	664500	25 MHz	647500	656000	664500	25 MHz	647500	656000	664500
	3712.5 MHz	3840 MHz	3967.5 MHz		3712.5 MHz	3840 MHz	3967.5 MHz		3712.5 MHz	3840 MHz	3967.5 MHz
	18.46	17.75	17.82		25.36	25.48	25.33		20.35	21.38	20.41
20 MHz	647334	656000	664666	20 MHz	647334	656000	664666	20 MHz	647334	656000	664666
	3710.01 MHz	3840 MHz	3969.99 MHz		3710.01 MHz	3840 MHz	3969.99 MHz		3710.01 MHz	3840 MHz	3969.99 MHz
	18.51	17.62	17.78		25.41	25.34	25.28		20.36	21.35	20.35
15 MHz	647168	656000	664832	15 MHz	647168	656000	664832	15 MHz	647168	656000	664832
	3709.52 MHz	3840 MHz	3972.48 MHz		3709.52 MHz	3840 MHz	3972.48 MHz		3709.52 MHz	3840 MHz	3972.48 MHz
	18.43	17.72	17.76		25.35	25.29	25.30		20.33	21.28	20.14
10 MHz	647000	656000	665000	10 MHz	647000	656000	665000	10 MHz	647000	656000	665000
	3705 MHz	3840 MHz	3975 MHz		3705 MHz	3840 MHz	3975 MHz		3705 MHz	3840 MHz	3975 MHz
	18.35	17.78	17.89		25.31	25.25	25.23		20.46	21.31	20.04

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

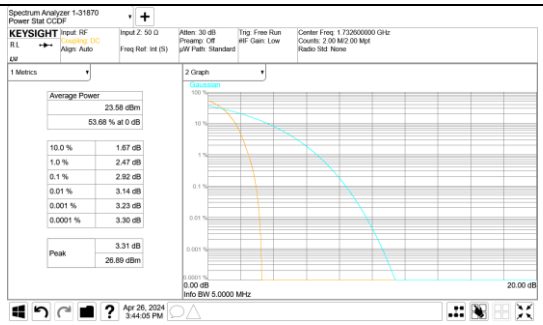
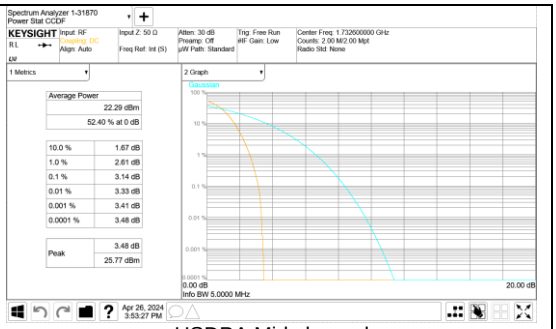
5G NR: All Waveforms (CP-OFDM vs DFT-s_OFDM) and modulations (π/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM) were investigated to determine the worst case configuration. All Modes of operation were investigated and the worst case configuration results are reported in this section.

RESULTS

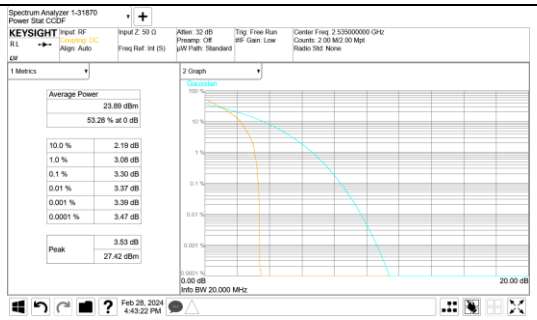
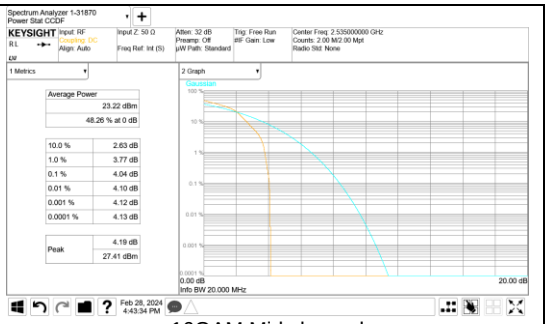
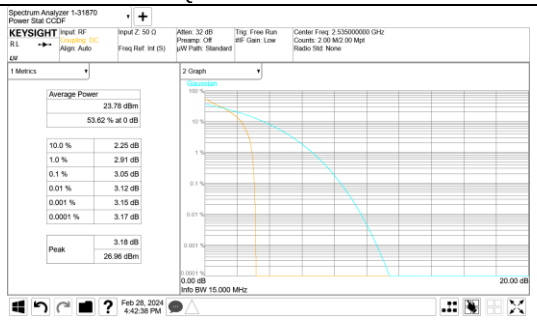
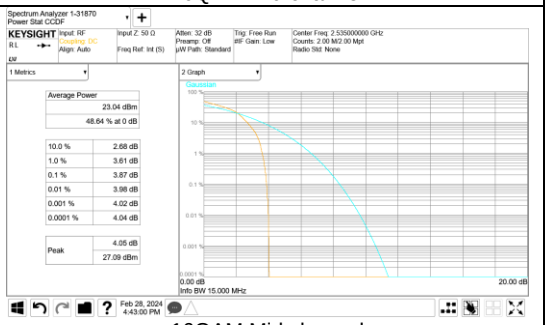
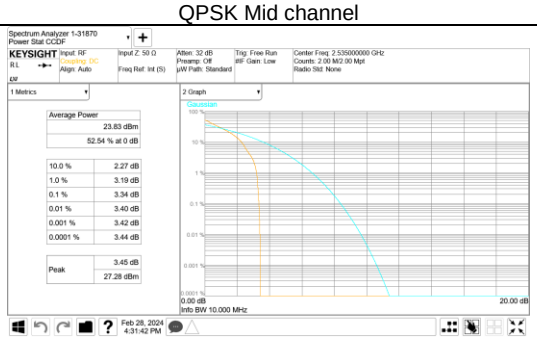
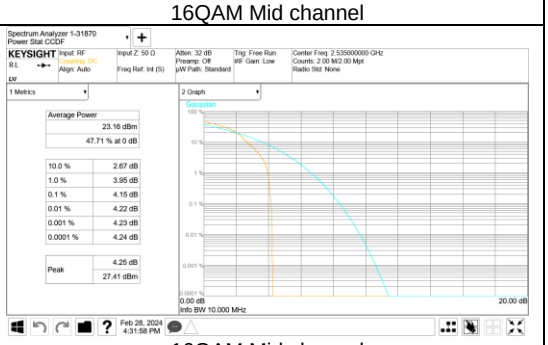
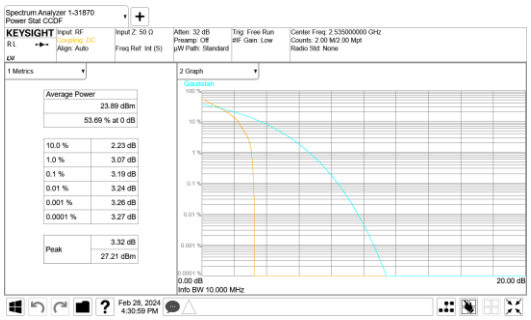
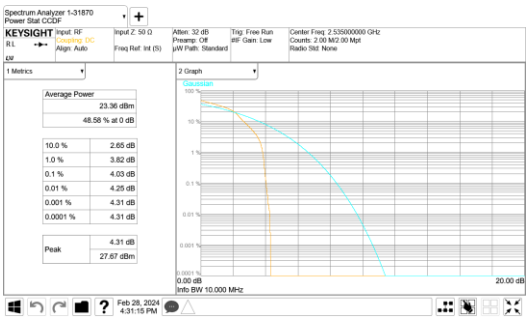
See the following pages.

8.2.1. CONDUCTED PEAK TO AVERAGE RESULT

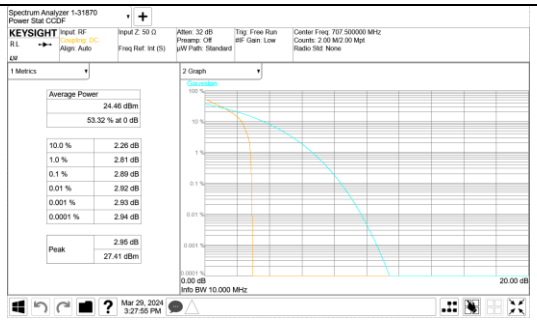
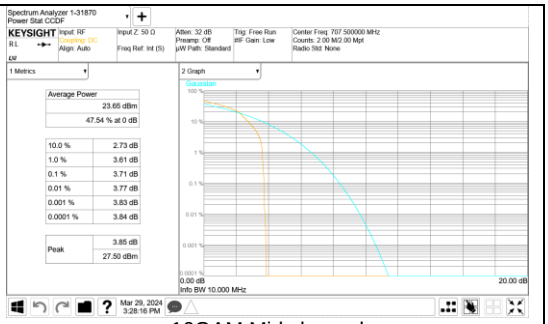
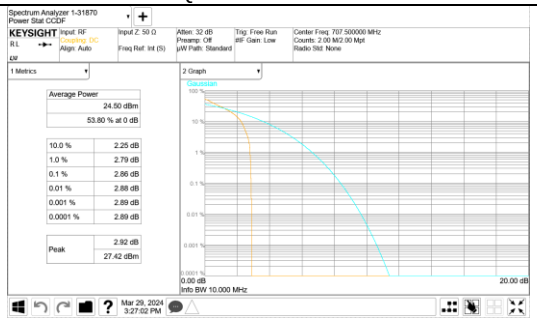
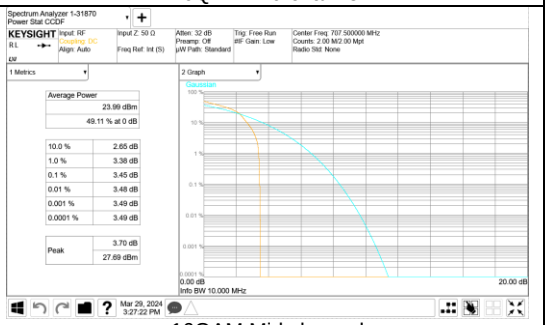
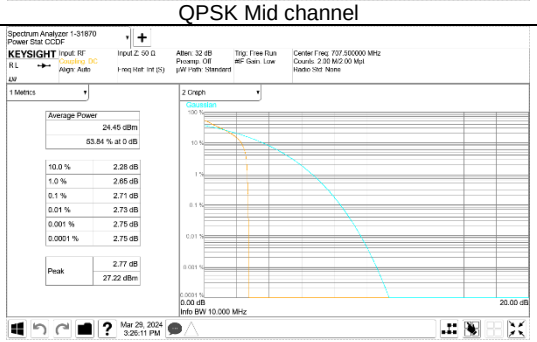
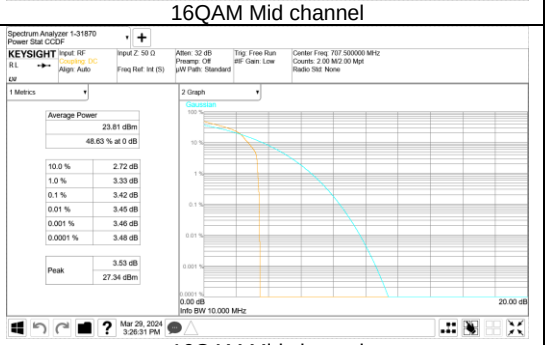
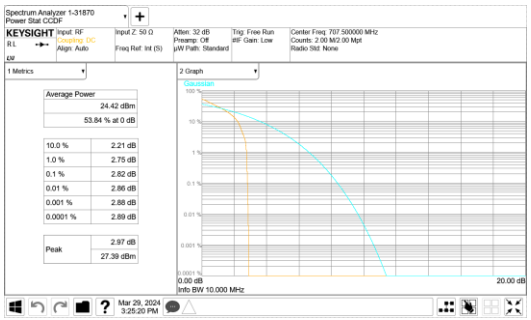
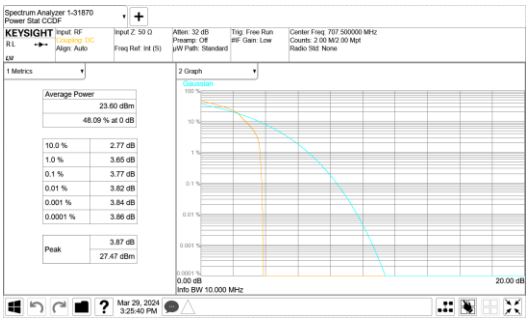
WCDMA

Band 4	 REL99 Mid channel	 HSDPA Mid channel

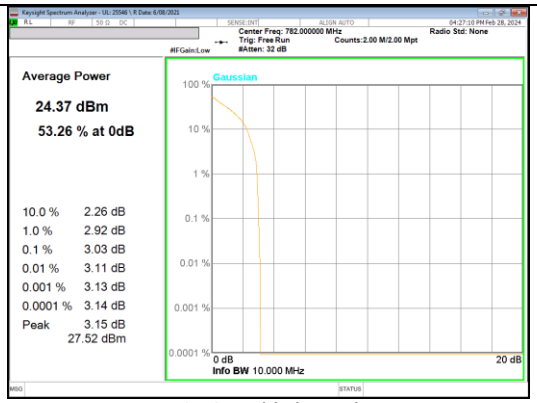
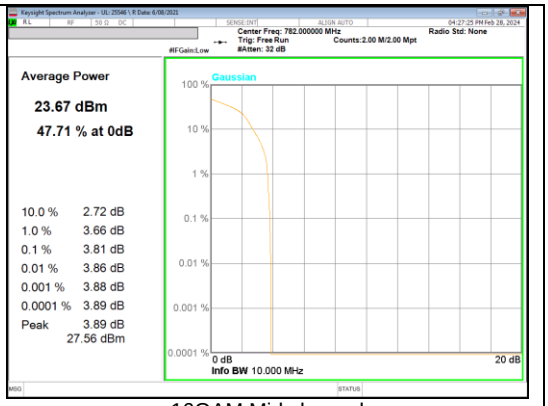
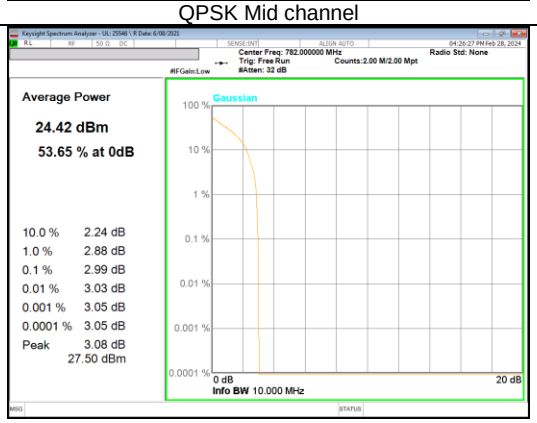
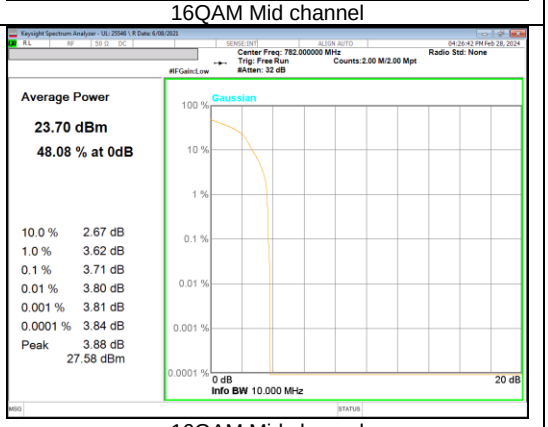
LTE Band 7

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

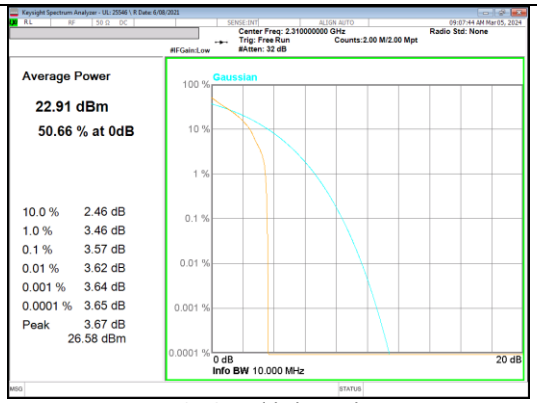
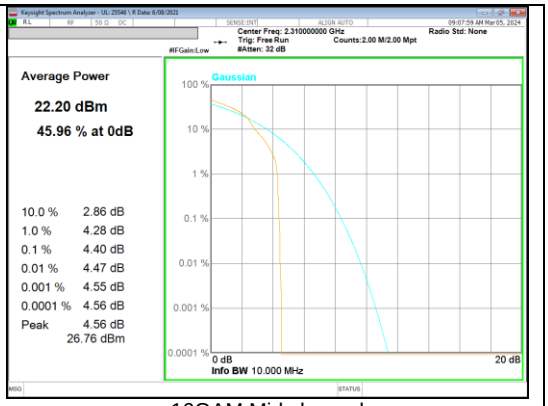
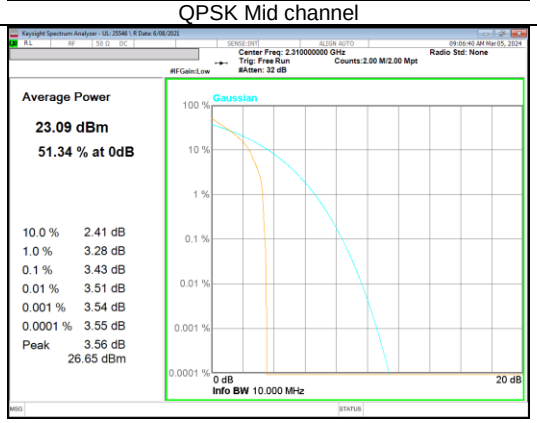
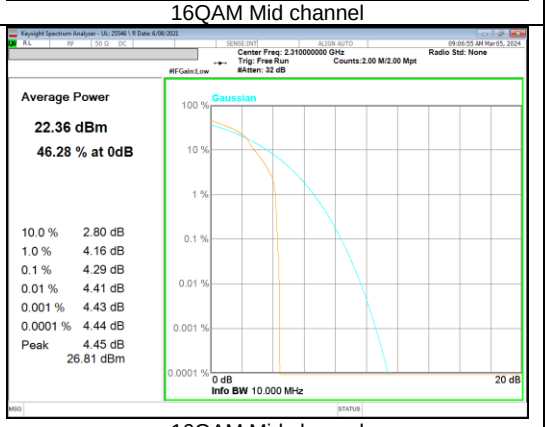
LTE Band 12

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

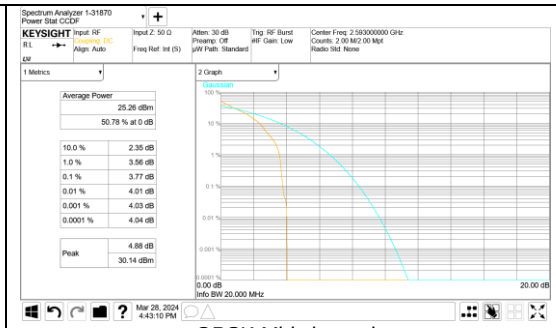
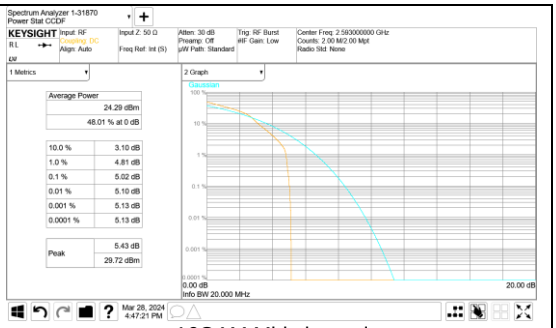
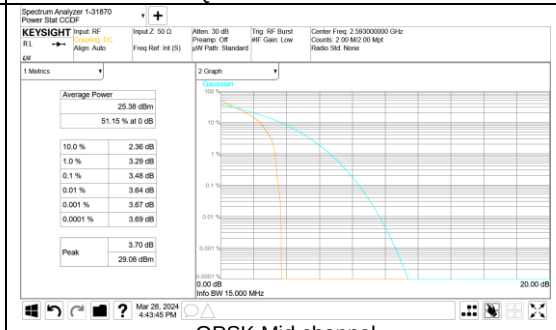
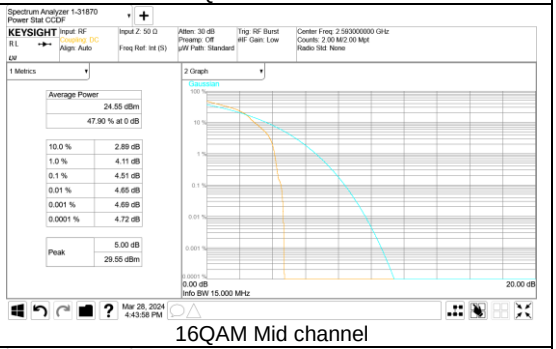
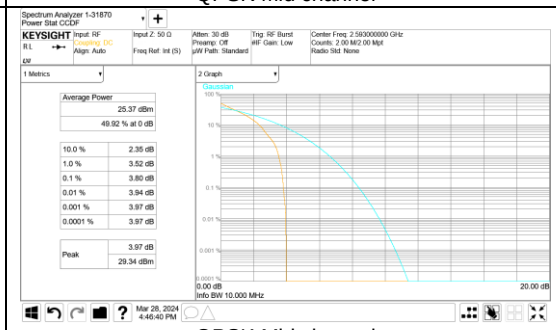
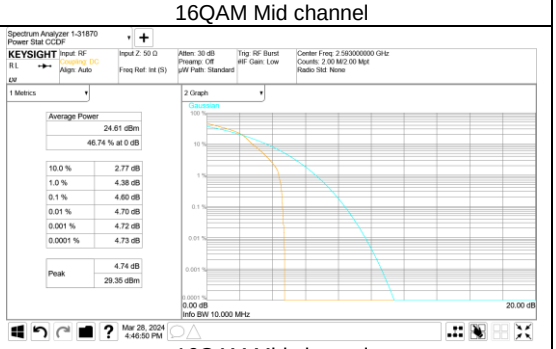
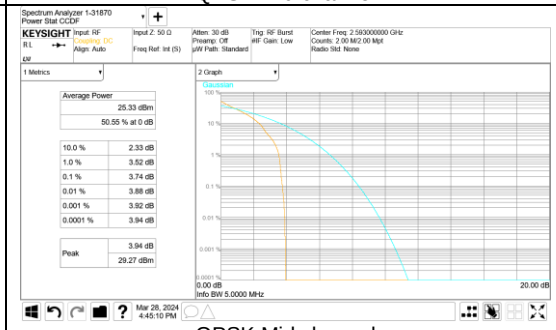
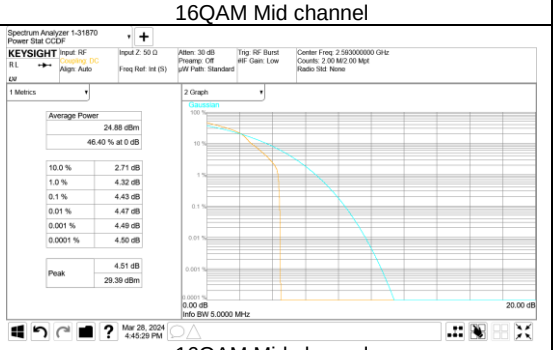
LTE Band 13

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

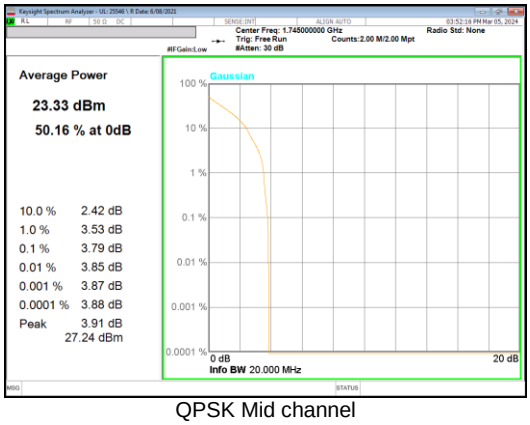
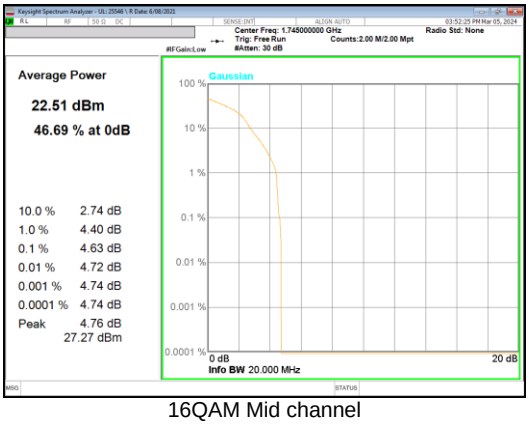
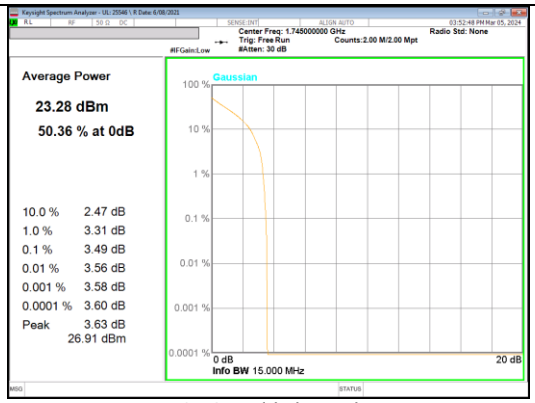
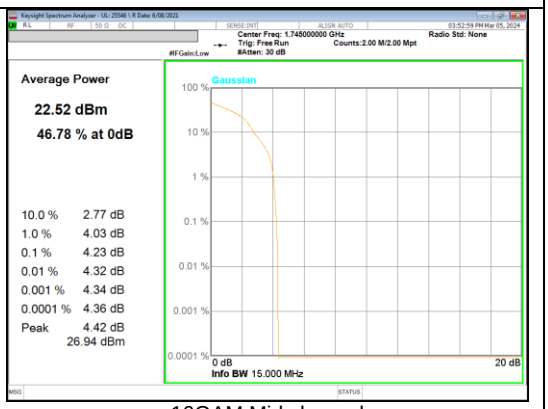
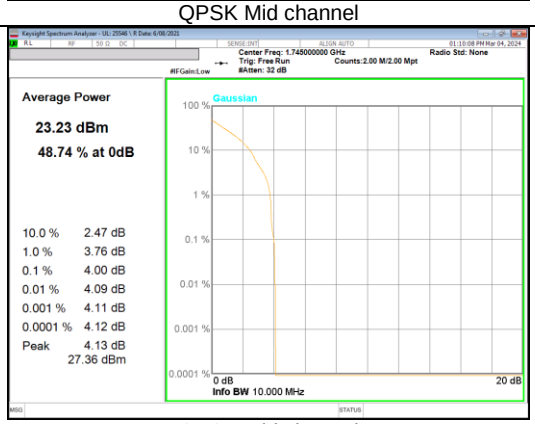
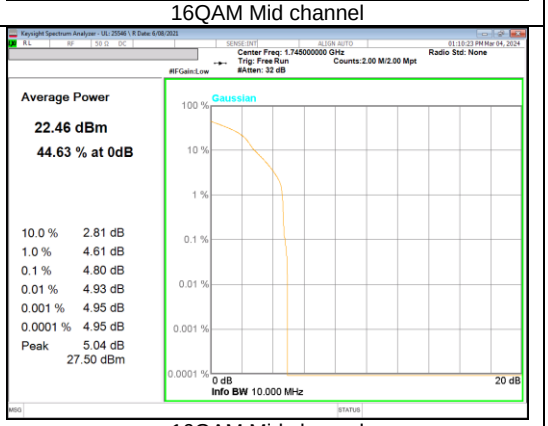
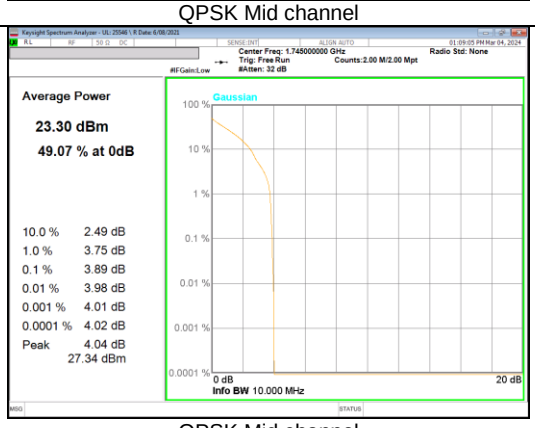
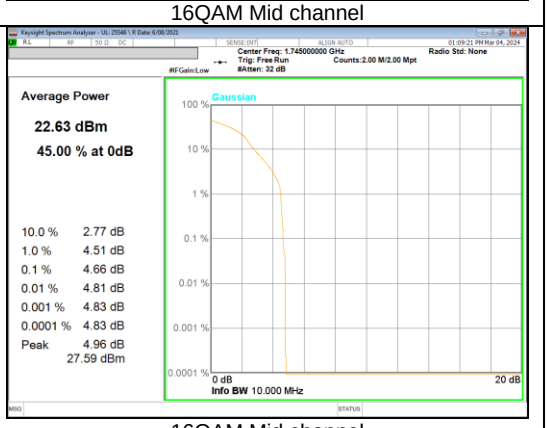
LTE Band 30

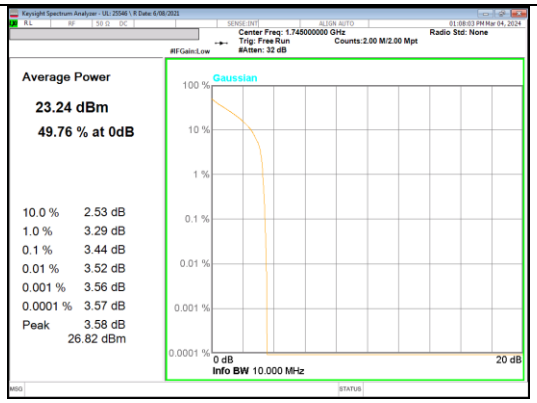
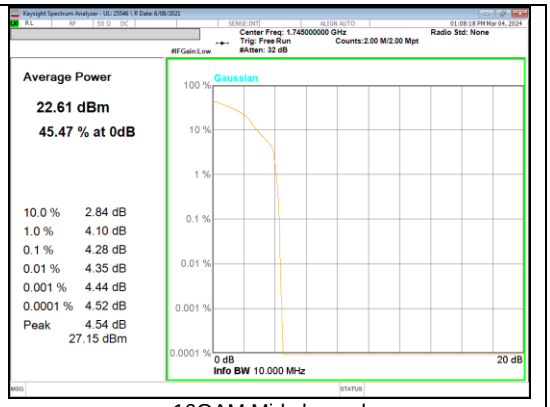
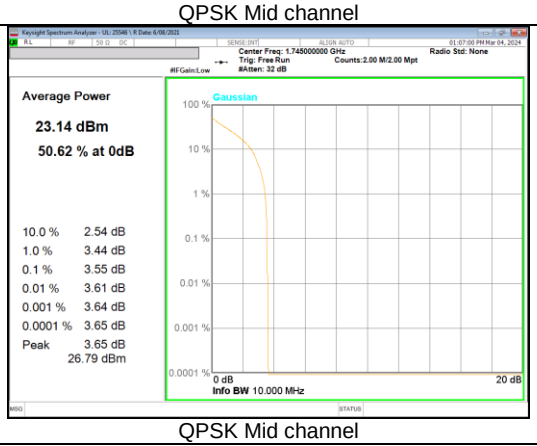
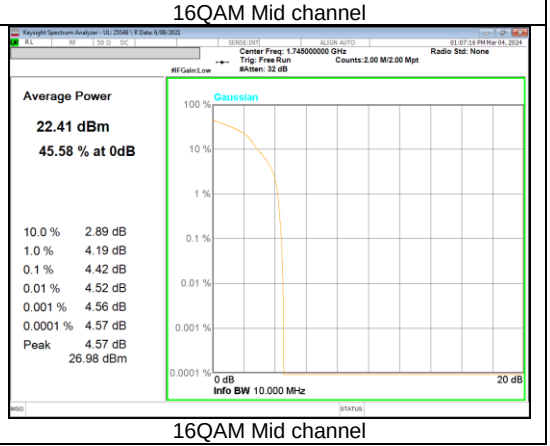
10 MHz	 QPSK Mid channel	 16QAM Mid channel
5 MHz	 QPSK Mid channel	 16QAM Mid channel

LTE Band 41 (PC2)

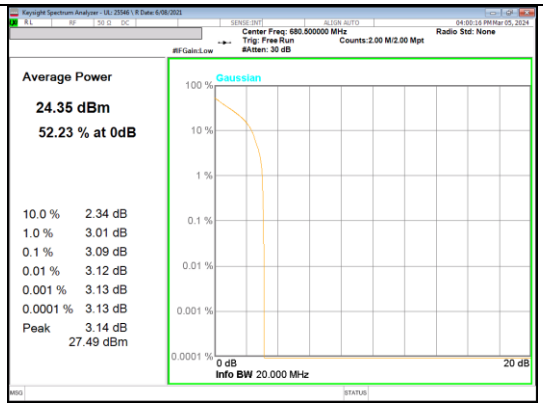
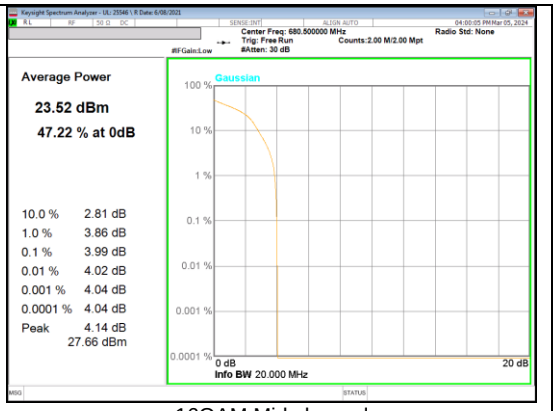
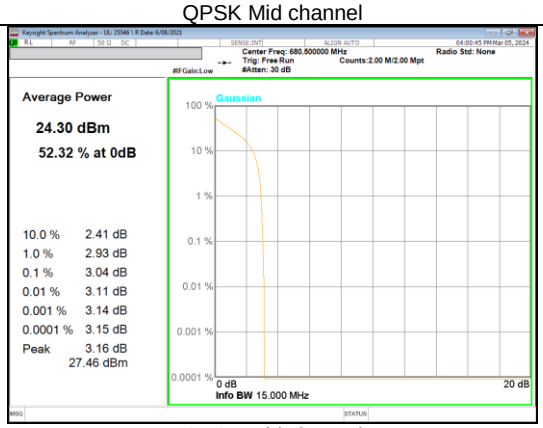
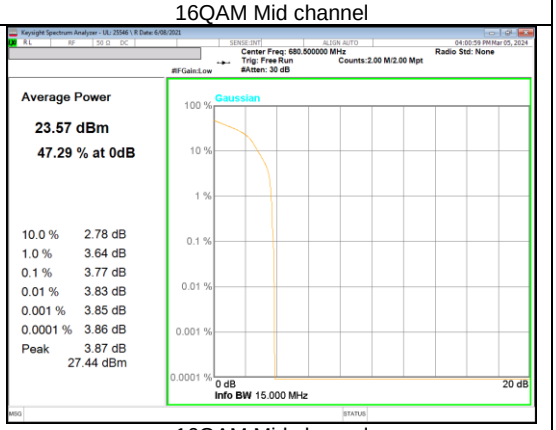
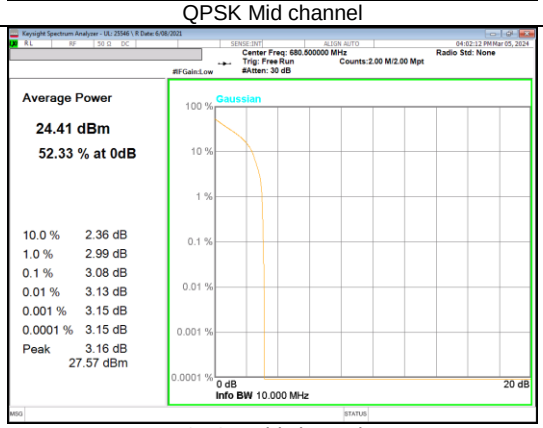
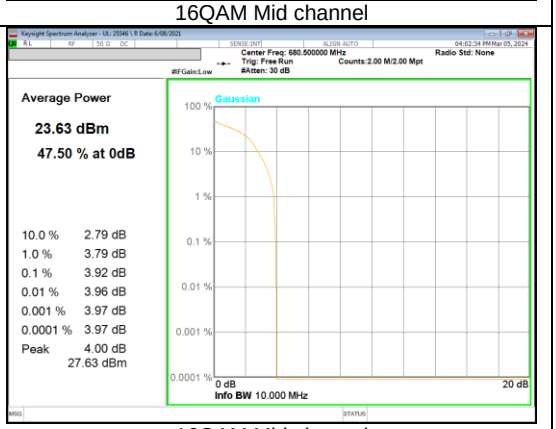
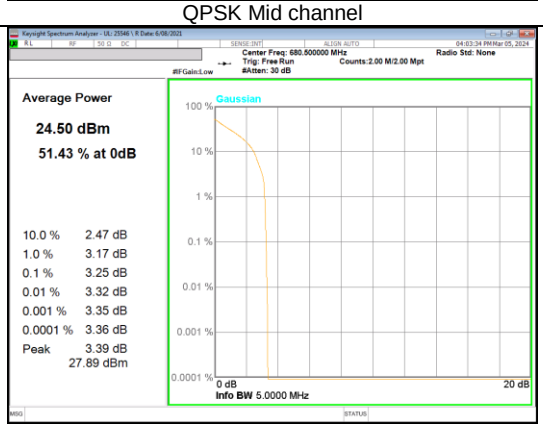
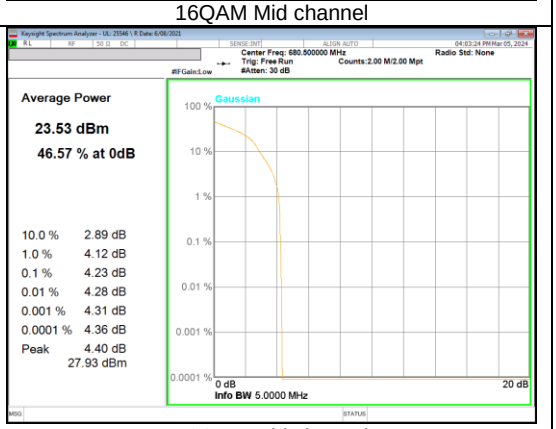
20 MHz	 QPSK Mid channel	 16QAM Mid channel
15 MHz	 QPSK Mid channel	 16QAM Mid channel
10 MHz	 QPSK Mid channel	 16QAM Mid channel
5 MHz	 QPSK Mid channel	 16QAM Mid channel

LTE Band 66

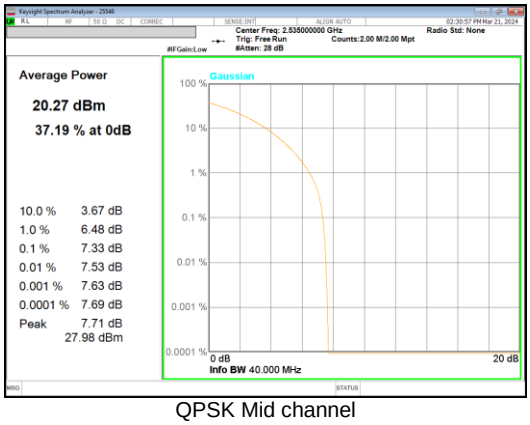
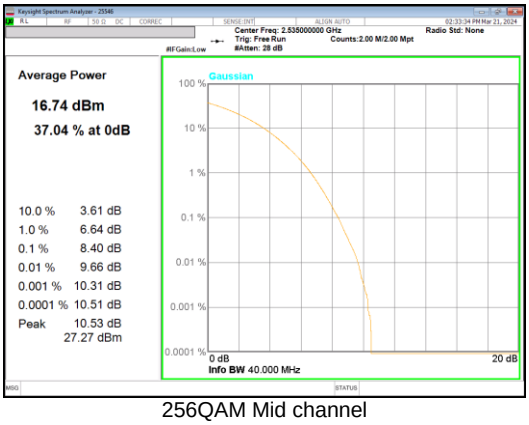
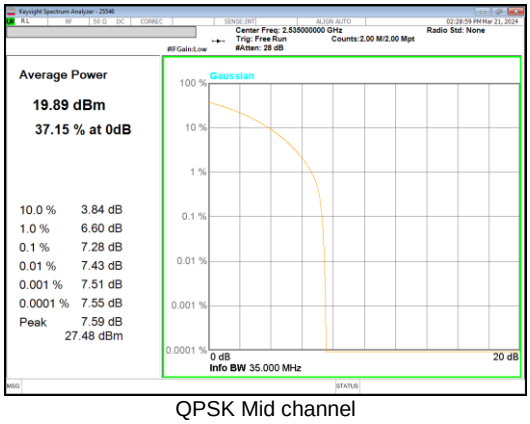
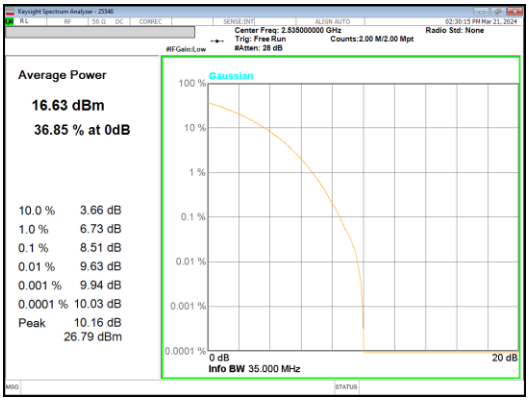
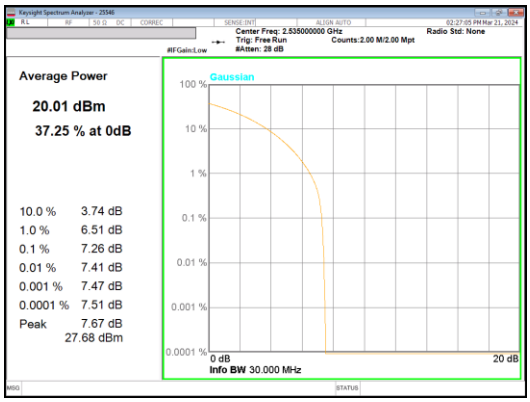
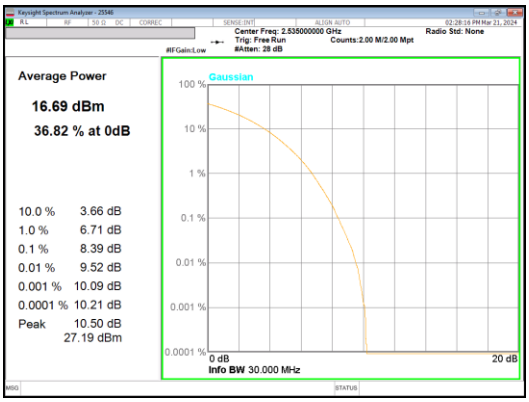
20 MHz	 QPSK Mid channel	 16QAM Mid channel
15 MHz	 QPSK Mid channel	 16QAM Mid channel
10 MHz	 QPSK Mid channel	 16QAM Mid channel
5 MHz	 QPSK Mid channel	 16QAM Mid channel

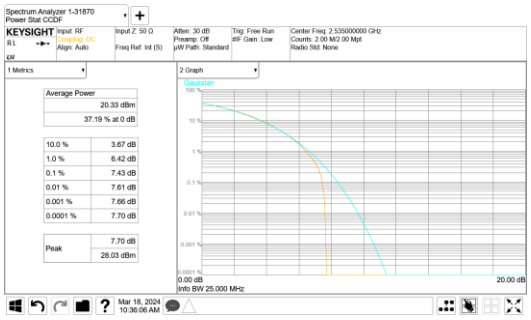
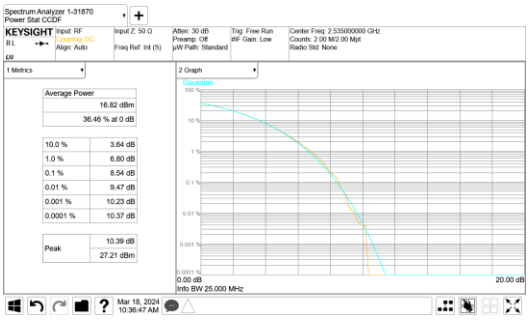
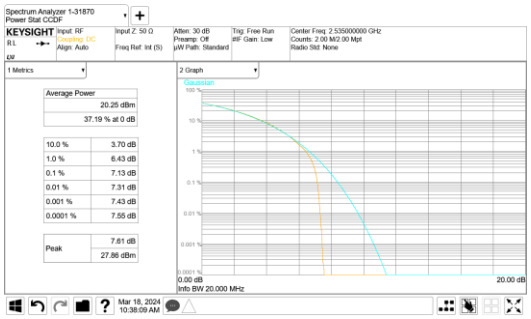
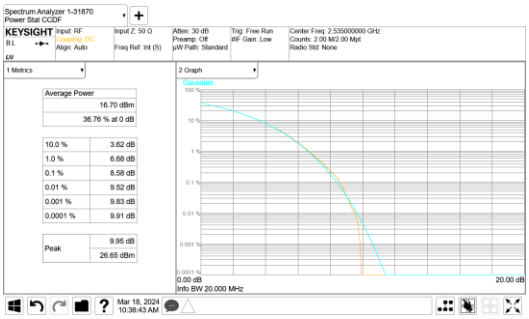
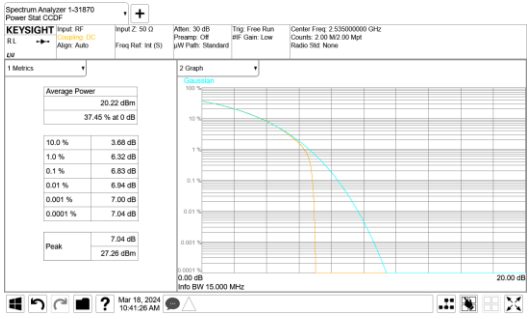
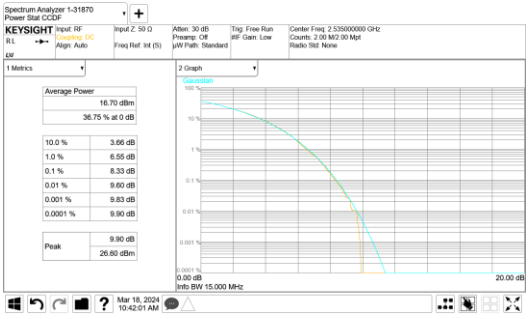
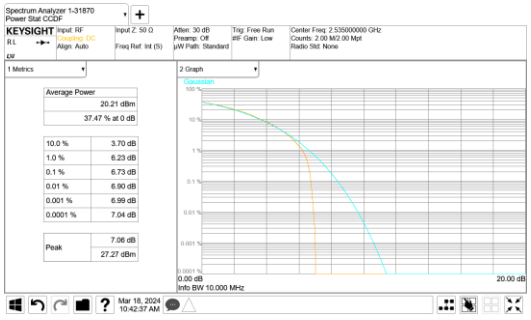
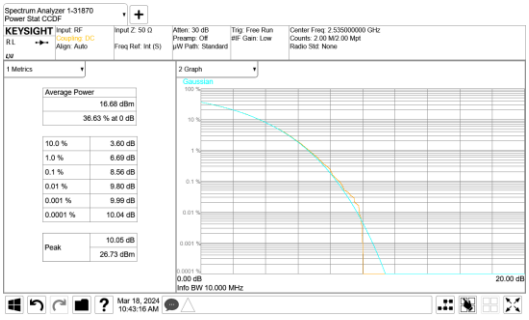
3 MHz	 QPSK Mid channel	 16QAM Mid channel
1.4 MHz	 QPSK Mid channel	 16QAM Mid channel

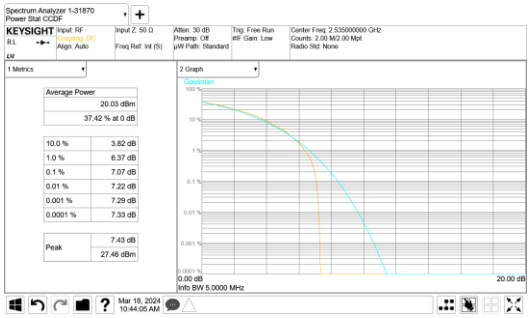
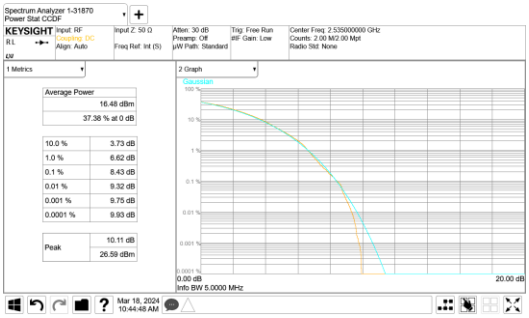
LTE Band 71

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

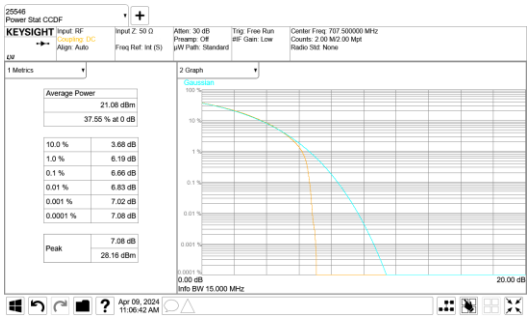
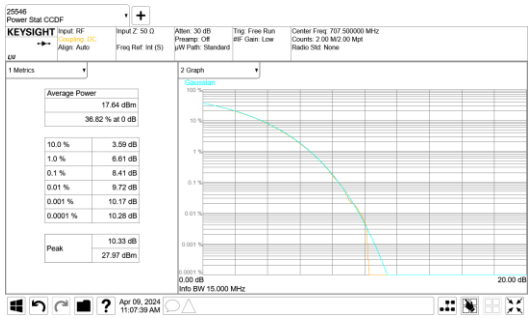
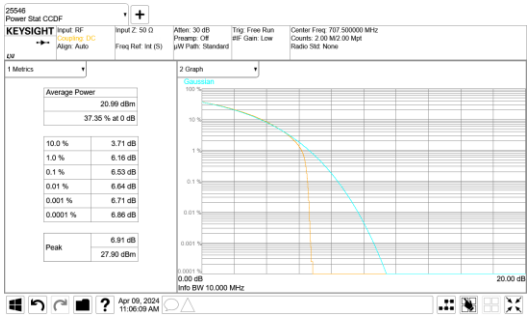
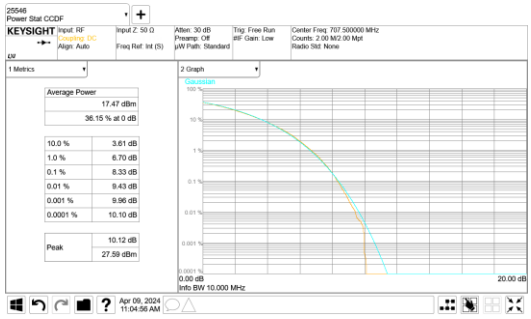
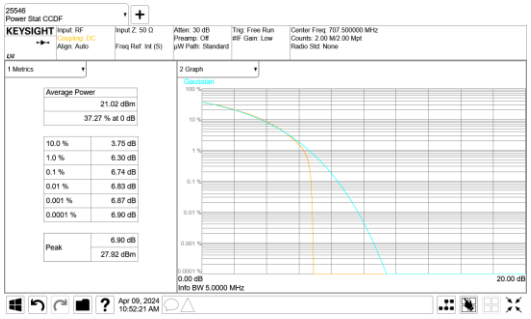
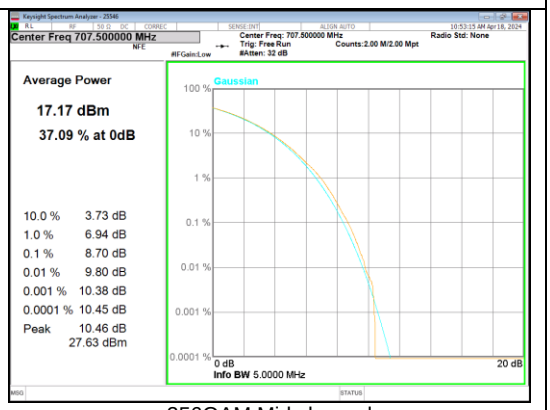
NR Band n7 CP-OFDM

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

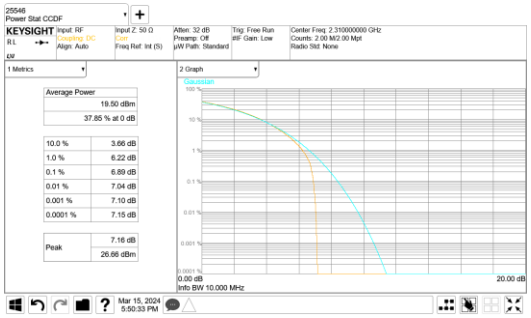
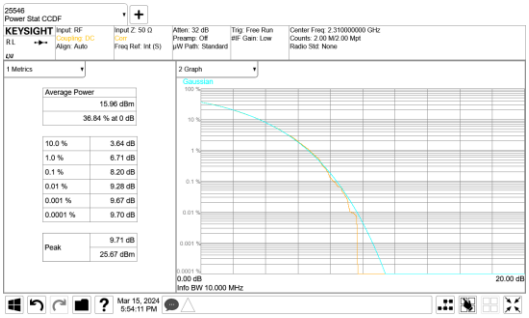
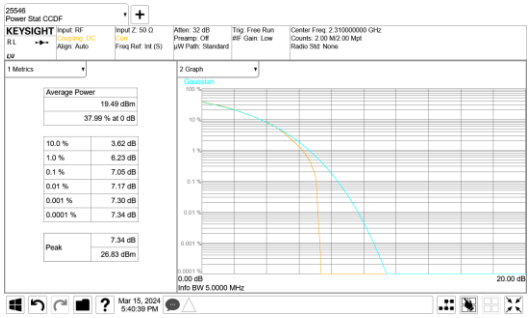
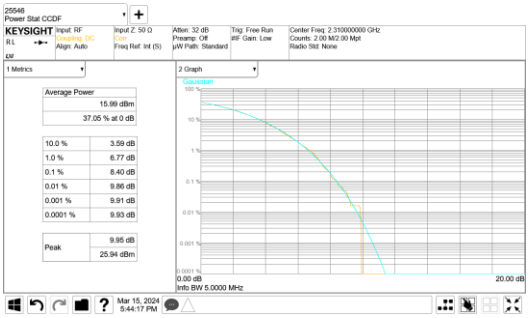
25 MHz	 QPSK Mid channel	 256QAM Mid channel
20 MHz	 QPSK Mid channel	 256QAM Mid channel
15 MHz	 QPSK Mid channel	 256QAM Mid channel
10 MHz	 QPSK Mid channel	 256QAM Mid channel

5 MHz	 QPSK Mid channel	 256QAM Mid channel

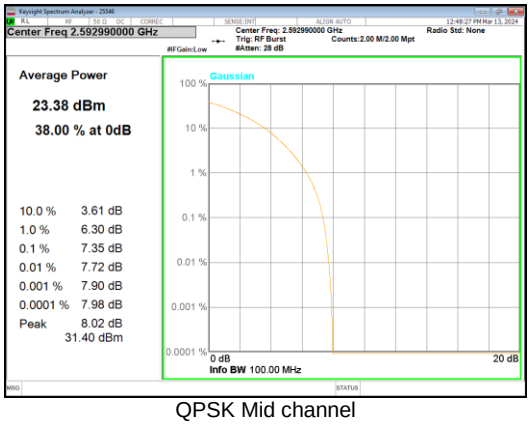
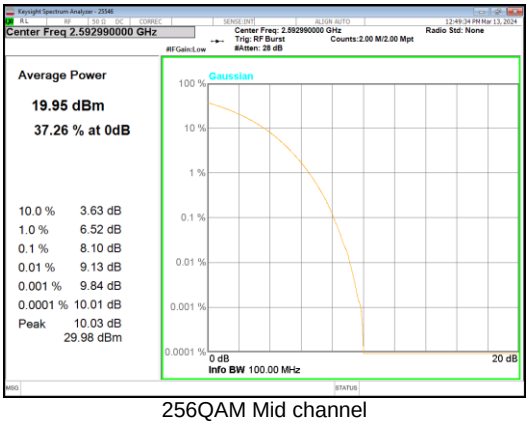
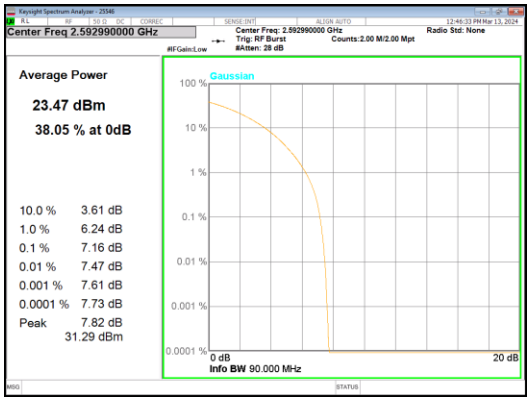
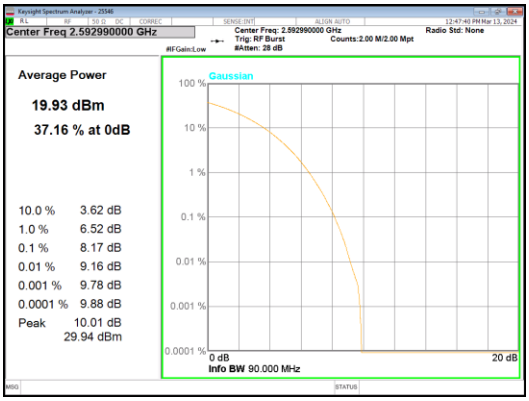
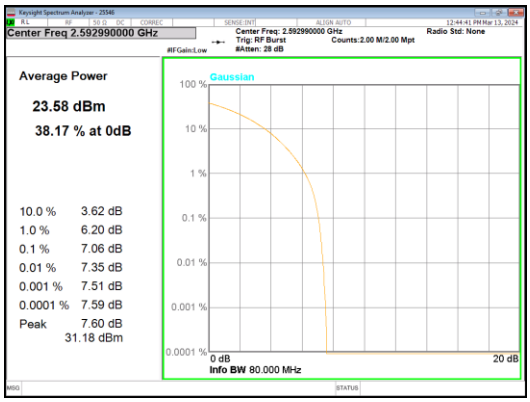
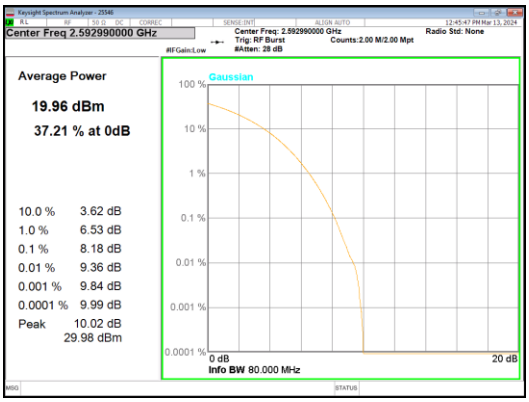
NR Band n12 CP-OFDM

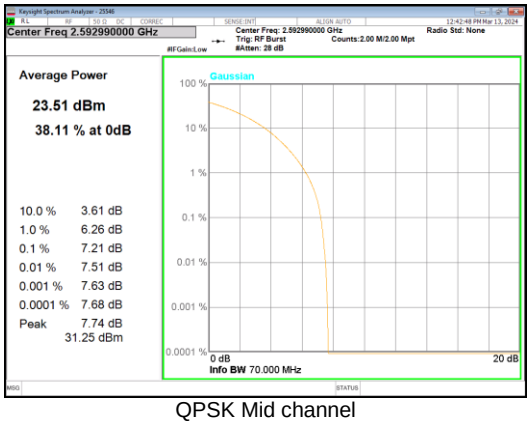
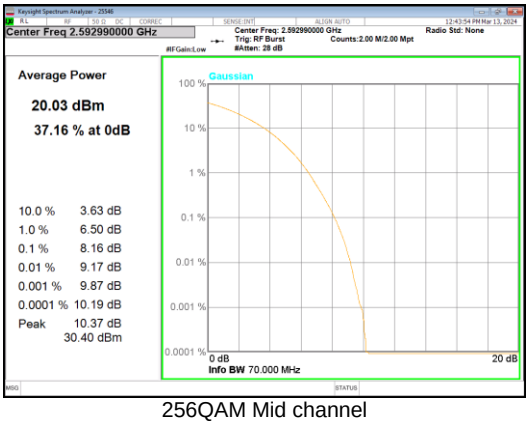
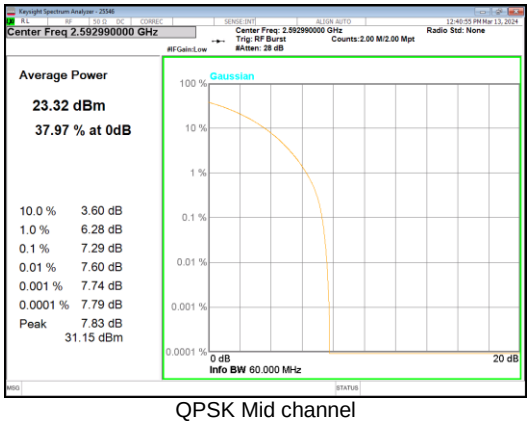
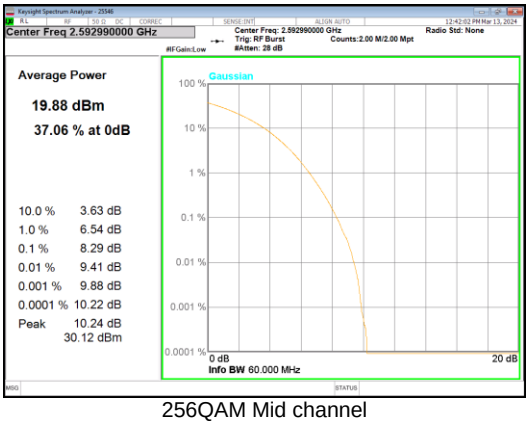
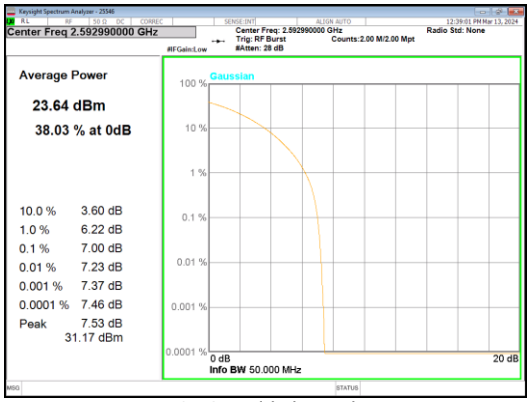
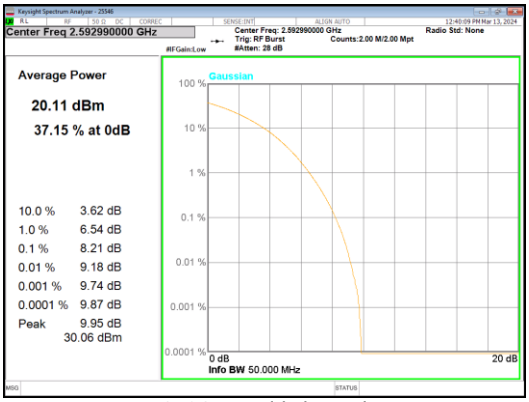
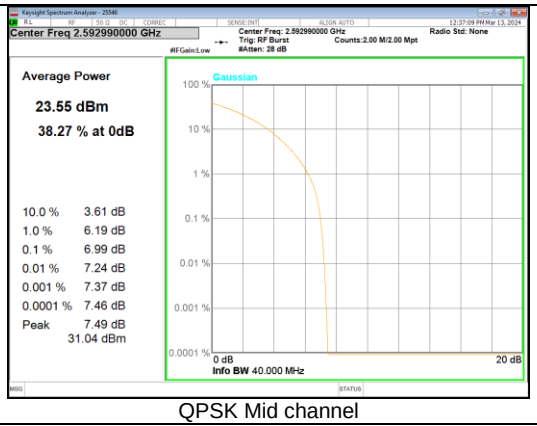
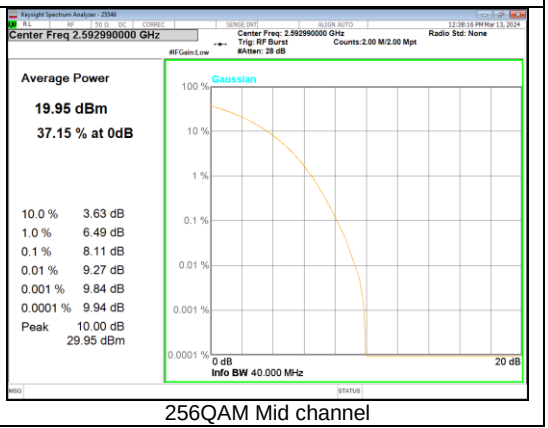
15 MHz	 QPSK Mid channel	 256QAM Mid channel
10 MHz	 QPSK Mid channel	 256QAM Mid channel
5 MHz	 QPSK Mid channel	 256QAM Mid channel

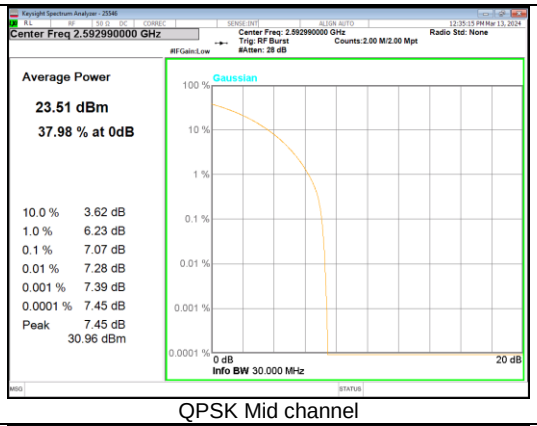
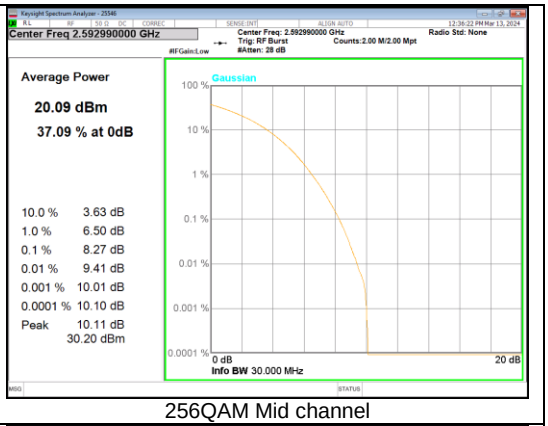
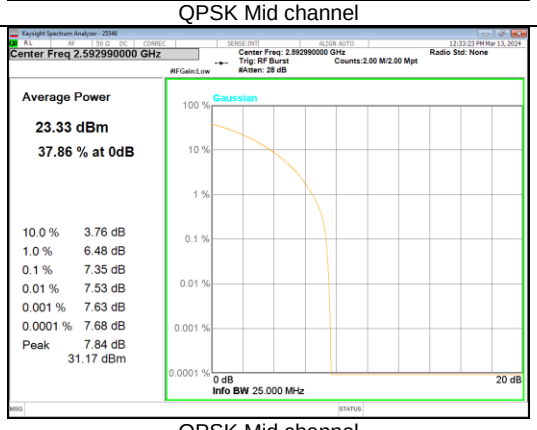
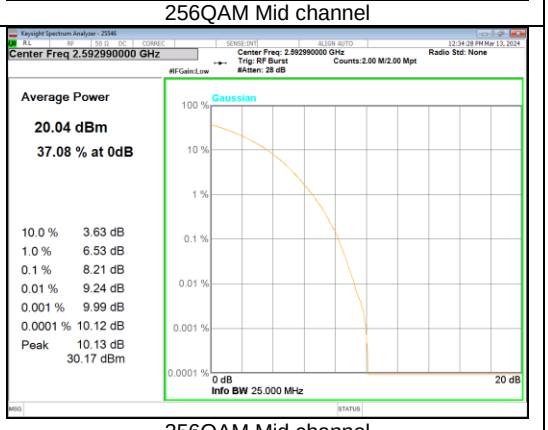
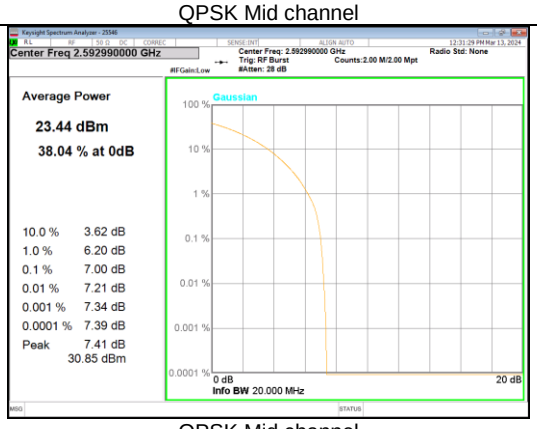
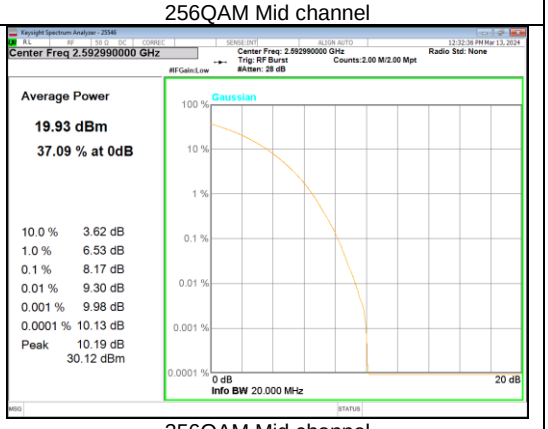
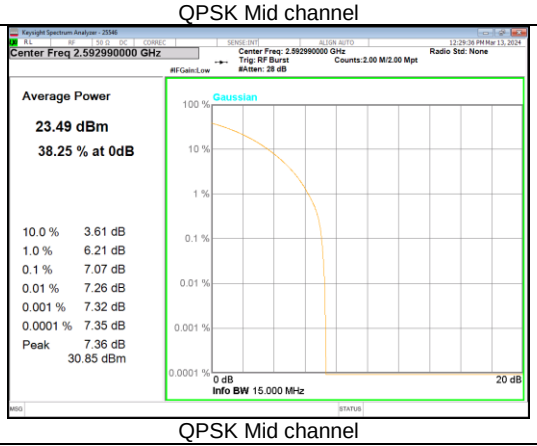
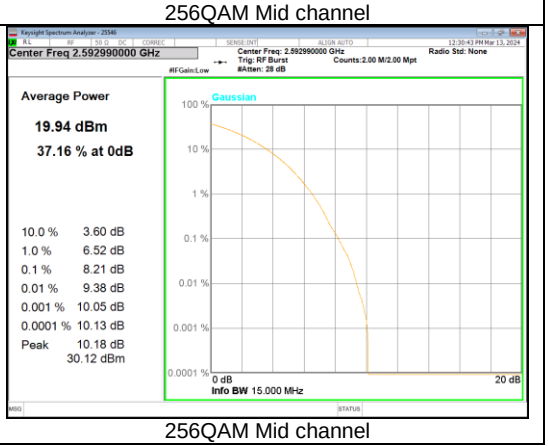
NR Band n30 CP-OFDM

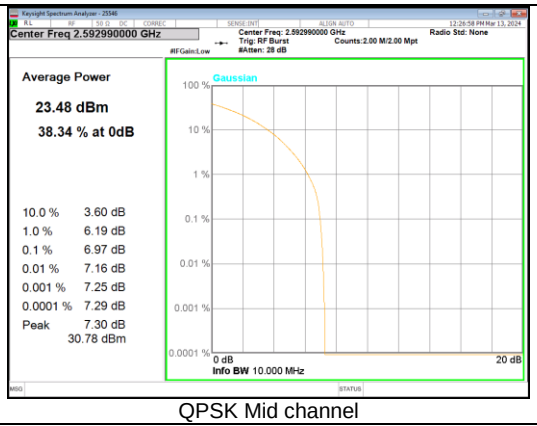
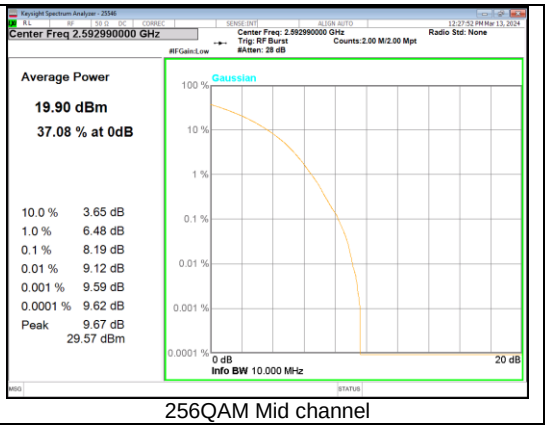
10 MHz	 QPSK Mid channel	 256QAM Mid channel
5 MHz	 QPSK Mid channel	 256QAM Mid channel

NR Band n41(PC2, CP-OFDM)

100 MHz	 QPSK Mid channel	 256QAM Mid channel
90 MHz	 QPSK Mid channel	 256QAM Mid channel
80 MHz	 QPSK Mid channel	 256QAM Mid channel

70 MHz	 QPSK Mid channel	 256QAM Mid channel
60 MHz	 QPSK Mid channel	 256QAM Mid channel
50 MHz	 QPSK Mid channel	 256QAM Mid channel
40 MHz	 QPSK Mid channel	 256QAM Mid channel

30 MHz	 QPSK Mid channel	 256QAM Mid channel
25 MHz	 QPSK Mid channel	 256QAM Mid channel
20 MHz	 QPSK Mid channel	 256QAM Mid channel
15 MHz	 QPSK Mid channel	 256QAM Mid channel

10 MHz		
	QPSK Mid channel	256QAM Mid channel