

CERTIFICATION TEST REPORT

Report Number. : 4791196626-E4V2

Applicant : SAMSUNG ELECTRONICS CO., LTD.
129 SAMSUNG-RO, YEONGTONG-GU, SUWON-SI,
GYEONGGI-DO, 16677, KOREA

Model : SM-F956B, SM-F956B/DS

FCC ID : A3LSMF956B

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 47 CFR PART 27 SUBPART F,H,L,M,O,Q

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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

Revision History

<u>Rev.</u>	<u>Issue Date</u>	<u>Revisions</u>	<u>Revised By</u>
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1. ATTESTATION OF TEST RESULTS

COMPANY NAME: SAMSUNG ELECTRONICS CO., LTD.

EUT DESCRIPTION: GSM/WCDMA/LTE/5G NR Phone + BT/BLE, DTS/UNII a/b/g/n/ac/ax, NFC, WPT and UWB.

MODEL NUMBER: SM-F956B, SM-F956B/DS

SERIAL NUMBER: 7b4573d88a507ece, R3CX10SANKJ (CONDUCTED); R3CX10SANYE, R3CX10SANMD, R3CX10SAP1K, R3CX10SANKJ, R3CX10SANNH, R3CX403NAPV, R3CX403N9CM (RADIATED);

DATE TESTED: 2024-02-23 - 2024-05-02;


APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC PART 27F,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:

Tested By:



Seokhwan Hong
Suwon Lab Engineer
UL KOREA LTD.

Yeonhee Lim
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	
<input checked="" type="checkbox"/>	Chamber 1(3m semi-anechoic chamber)
<input checked="" type="checkbox"/>	Chamber 2(3m semi-anechoic chamber)
<input type="checkbox"/>	Chamber 3(3m semi-anechoic chamber)
<input checked="" type="checkbox"/>	Chamber 4(3m Full-anechoic chamber)
<input type="checkbox"/>	Chamber 5(3m Full-anechoic chamber)

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

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

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

4.2. SAMPLE CALCULATION

Where relevant, the following sample calculation is provided:

$EIRP = SG \text{ reading with EUT worst orientation (dBm)} - \text{cable loss(between the SG and substitution antenna)} + \text{Substitution Antenna Factor (dBi)}$

$ERP = SG \text{ reading with EUT worst orientation (dBm)} - \text{cable loss(between the SG and substitution antenna)} + \text{Substitution Antenna Factor (dBd)}$

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.

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-F956B/DS
SM-F956B	Hardware	Different Sim Tray
	Software	Same as SM-F956B

The model SM-F956B was used for final testing and is representative of the test results in this report.

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 EIRP greater than conducted measurements.

WCDMA B4

FCC Part 27							
Band	ANT	Frequency Range [MHz]	Modulation	Conducted		Radiated	
				Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
Band 4	B	1712.40 ~ 1752.60	Rel. 99	23.80	239.88	24.24	265.46
			HSDPA	22.81	190.99	22.97	198.15

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	24.72	296.48	17.41	55.08	15.10	32.36
			16QAM	24.13	258.82	16.12	40.93	13.82	24.10
			64QAM	22.87	193.64				
			256QAM	19.96	99.08				
	701.50 ~ 713.50	5	QPSK	24.55	285.10	17.69	58.75	15.34	34.20
			16QAM	23.95	248.31	16.55	45.19	14.19	26.24
			64QAM	22.65	184.08				
			256QAM	19.68	92.90				
	700.50 ~ 714.50	3	QPSK	24.49	281.19	17.70	58.88	15.14	32.66
			16QAM	23.93	247.17	16.73	47.10	14.33	27.10
			64QAM	22.72	187.07				
			256QAM	19.63	91.83				
	699.70 ~ 715.30	1.4	QPSK	24.38	274.16	17.48	55.98	15.32	34.04
			16QAM	23.67	232.81	16.15	41.21	14.81	30.27
			64QAM	22.61	182.39				
			256QAM	19.56	90.36				

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	24.80	302.00	16.55	45.19
			16QAM	24.05	254.10	15.49	35.40
			64QAM	22.97	198.15		
			256QAM	19.86	96.83		
	701.50 ~ 713.50	5	QPSK	24.43	277.33	16.19	41.59
			16QAM	23.53	225.42	15.09	32.28
			64QAM	22.60	181.97		
			256QAM	19.63	91.83		
	700.50 ~ 714.50	3	QPSK	24.43	277.33	14.98	31.48
			16QAM	23.53	225.42	14.84	30.48
			64QAM	22.60	181.97		
			256QAM	19.63	91.83		
	699.70 ~ 715.30	1.4	QPSK	24.32	270.40	14.91	30.97
			16QAM	23.46	221.82	14.77	29.99
			64QAM	22.51	178.24		
			256QAM	19.44	87.90		

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	23.32	214.78	17.60	57.51	15.08	32.21
			16QAM	22.60	181.97	16.45	44.13	14.08	25.59
			64QAM	21.45	139.64				
			256QAM	18.45	69.98				
	779.50 ~ 784.50	5	QPSK	23.22	209.89	17.86	61.09	15.46	35.16
			16QAM	22.60	181.97	16.83	48.19	14.29	26.85
			64QAM	21.44	139.32				
			256QAM	18.41	69.34				

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	23.00	199.53	15.60	36.31		
			16QAM	22.27	168.66	14.58	28.71		
			64QAM	21.11	129.12				
			256QAM	18.17	65.61				
	779.50 ~ 784.50	5	QPSK	23.32	214.78	15.44	34.99		
			16QAM	22.54	179.47	14.38	27.42		
			64QAM	21.45	139.64				
			256QAM	18.47	70.31				

LTE Band 41(PC2)

FCC Part 27								
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted		Radiated	
					Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
Band 41	B	2506.00 ~ 2680.00	20	QPSK	25.83	382.82	27.60	575.44
				16QAM	25.38	345.14	26.96	496.59
				64QAM	24.31	269.77		
				256QAM	21.06	127.64		
		2503.50 ~ 2682.50	15	QPSK	25.91	389.94	27.60	575.44
				16QAM	25.37	344.35	27.05	506.99
				64QAM	23.86	243.22		
				256QAM	21.01	126.18		
		2501.00 ~ 2685.00	10	QPSK	25.93	391.74	27.50	562.34
				16QAM	25.29	338.06	26.99	500.03
				64QAM	24.24	265.46		
				256QAM	21.16	130.62		
		2498.50 ~ 2687.50	5	QPSK	25.96	394.46	27.62	578.10
				16QAM	25.42	348.34	26.85	484.17
				64QAM	24.08	255.86		
				256QAM	21.14	130.02		
Band 41	E	2506.00 ~ 2680.00	20	QPSK	26.10	407.38	24.80	302.00
				16QAM	25.51	355.63	24.05	254.10
				64QAM	24.41	276.06		
				256QAM	21.22	132.43		
		2503.50 ~ 2682.50	15	QPSK	25.78	378.44	24.69	294.44
				16QAM	25.04	319.15	24.16	260.62
				64QAM	24.04	253.51		
				256QAM	20.97	125.03		
		2501.00 ~ 2685.00	10	QPSK	25.76	376.70	24.77	299.92
				16QAM	25.11	324.34	24.16	260.62
				64QAM	24.08	255.86		
				256QAM	20.87	122.18		
		2498.50 ~ 2687.50	5	QPSK	25.81	381.07	24.73	297.17
				16QAM	25.25	334.97	24.07	255.27
				64QAM	23.98	250.03		
				256QAM	21.00	125.89		

LTE Band 66

FCC Part 27										
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted		Radiated			
					Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]		
Band 66	B	1720.00 ~ 1770.00	20	QPSK	23.79	239.33	23.03	200.91		
				16QAM	23.23	210.38	22.02	159.22		
				64QAM	22.07	161.06				
				256QAM	19.07	80.72				
		1717.50 ~ 1772.50	15	QPSK	23.80	239.88	22.93	196.34		
				16QAM	23.08	203.24	22.29	169.43		
				64QAM	22.00	158.49				
		1715.00 ~ 1775.00	10	256QAM	19.02	79.80				
				QPSK	23.81	240.44	22.83	191.87		
				16QAM	23.18	207.97	22.40	173.78		
		1712.50 ~ 1777.50	5	64QAM	22.02	159.22				
				256QAM	19.00	79.43				
				QPSK	23.94	247.74	22.91	195.43		
				16QAM	23.40	218.78	22.36	172.19		
		1711.50 ~ 1778.50	3	64QAM	22.07	161.06				
				256QAM	19.05	80.35				
				QPSK	23.90	245.47	22.88	194.09		
				16QAM	23.35	216.27	22.40	173.78		
		1710.70 ~ 1779.30	1.4	64QAM	22.13	163.31				
				256QAM	19.15	82.22				
				QPSK	23.80	239.88	22.95	197.24		
				16QAM	23.16	207.01	22.16	164.44		
		Band 66	E	1720.00 ~ 1770.00	20	64QAM	22.08	161.44		
						256QAM	19.03	79.98		
QPSK	23.37					217.27	22.62	182.81		
16QAM	22.76					188.80	21.90	154.88		
1717.50 ~ 1772.50	15			64QAM	21.50	141.25				
				256QAM	18.59	72.28				
				QPSK	23.69	233.88	22.79	190.11		
				16QAM	22.94	196.79	21.90	154.88		
1715.00 ~ 1775.00	10			64QAM	21.86	153.46				
				256QAM	18.78	75.51				
				QPSK	23.72	235.50	22.70	186.21		
				16QAM	23.02	200.45	21.99	158.12		
1712.50 ~ 1777.50	5			64QAM	21.86	153.46				
				256QAM	18.88	77.27				
				QPSK	23.77	238.23	22.62	182.81		
				16QAM	23.11	204.64	21.94	156.31		
1711.50 ~ 1778.50	3			64QAM	21.95	156.68				
				256QAM	18.96	78.70				
				QPSK	23.77	238.23	22.01	158.85		
				16QAM	23.11	204.64	21.47	140.28		
1710.70 ~ 1779.30	1.4			64QAM	22.08	161.44				
				256QAM	19.03	79.98				
				QPSK	23.64	231.21	22.14	163.68		
				16QAM	22.90	194.98	21.47	140.28		
				64QAM	21.87	153.82				
				256QAM	18.85	76.74				
				QPSK	23.64	231.21	22.14	163.68		
				16QAM	22.90	194.98	21.47	140.28		

NR Band n41

FCC Part 27										
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted		Radiated		
						Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]	
n41	E	2546.01 ~ 2640.00	100	DFT-s OFDM	$\pi/2$ BPSK	24.48	280.54			
					QPSK	24.58	287.08	25.07	321.37	
					16QAM	23.70	234.42	24.25	266.07	
					64QAM	22.17	164.82			
					256QAM	20.07	101.62			
				C-OFDM	QPSK	23.02	200.45			
					$\pi/2$ BPSK	24.45	278.61			
					QPSK	24.53	283.79	24.79	301.30	
					16QAM	23.47	222.33	23.89	244.91	
					64QAM	22.08	161.44			
		2541.00 ~ 2644.98	90	DFT-s OFDM	256QAM	19.85	96.61			
					CP-OFDM	QPSK	23.02	200.45		
					$\pi/2$ BPSK	24.31	269.77			
					QPSK	24.46	279.25	24.63	290.40	
					16QAM	23.41	219.28	23.80	239.88	
				CP-OFDM	64QAM	21.96	157.04			
					256QAM	19.74	94.19			
					QPSK	22.93	196.34			
					$\pi/2$ BPSK	24.21	263.63			
					QPSK	24.28	267.92	23.25	211.35	
		2531.02 ~ 2654.98	70	DFT-s OFDM	16QAM	23.25	211.35	22.52	178.65	
					64QAM	21.75	149.62			
					256QAM	19.77	94.84			
					CP-OFDM	QPSK	22.80	190.55		
					$\pi/2$ BPSK	24.11	257.63			
				CP-OFDM	QPSK	24.09	256.45	23.89	244.91	
					16QAM	23.11	204.64	23.10	204.17	
					64QAM	21.53	142.23			
					256QAM	19.55	90.16			
					QPSK	22.55	179.89			
		2521.01 ~ 2665.00	50	DFT-s OFDM	$\pi/2$ BPSK	24.19	262.42			
					QPSK	24.33	271.02	23.95	248.31	
					16QAM	23.24	210.86	23.03	200.91	
					64QAM	21.74	149.28			
					256QAM	19.75	94.41			
				CP-OFDM	QPSK	22.76	188.80			
					$\pi/2$ BPSK	24.39	274.79			
					QPSK	24.38	274.16	24.01	251.77	
					16QAM	23.46	221.82	22.81	190.99	
					64QAM	21.84	152.76			
		2511.00 ~ 2675.00	40	DFT-s OFDM	256QAM	19.86	96.83			
					CP-OFDM	QPSK	22.84	192.31		
					$\pi/2$ BPSK	24.46	279.25			
					QPSK	24.51	282.49	23.99	250.61	
					16QAM	23.49	223.36	23.07	202.77	
				CP-OFDM	64QAM	21.93	155.96			
					256QAM	19.99	99.77			
					QPSK	22.95	197.24			
$\pi/2$ BPSK	24.28				267.92					
QPSK	24.27				267.30	24.15	260.02			
2508.51 ~ 2677.50	25	DFT-s OFDM	16QAM	23.34	215.77	23.33	215.28			
			64QAM	21.86	153.46					
			256QAM	19.79	95.28					
			CP-OFDM	QPSK	22.91	195.43				
			$\pi/2$ BPSK	24.24	265.46					
		CP-OFDM	QPSK	24.31	269.77	24.21	263.63			
			16QAM	23.26	211.84	23.49	223.36			
			64QAM	21.86	153.46					
			256QAM	19.69	93.11					
			QPSK	22.86	193.20					
2503.50 ~ 2682.48	15	DFT-s OFDM	$\pi/2$ BPSK	24.29	268.53					
			QPSK	24.38	274.16	24.44	277.97			
			16QAM	23.18	207.97	24.04	253.51			
			64QAM	21.71	148.25					
			256QAM	19.71	93.54					
		CP-OFDM	QPSK	22.76	188.80					
			$\pi/2$ BPSK	24.24	265.46					
			QPSK	24.29	268.53	24.32	270.40			
			16QAM	23.25	211.35	23.57	227.51			
			64QAM	21.83	152.41					
CP-OFDM	256QAM	19.79	95.28							
	QPSK	22.75	188.36							

NR Band n41(SRS1)

FCC Part 27							
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Conducted		Radiated	
				Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n41	B	2546.01 ~ 2640.00	100	24.28	267.92		
		2541.00 ~ 2644.98	90	24.77	299.92		
		2536.02 ~ 2649.99	80	24.61	289.07		
		2531.02 ~ 2654.98	70	24.61	289.07		
		2526.00 ~ 2659.98	60	24.76	299.23		
		2521.01 ~ 2665.00	50	24.70	295.12		
		2516.01 ~ 2670.00	40	24.83	304.09	24.23	264.85
		2511.00 ~ 2675.00	30	24.81	302.69		
		2508.51 ~ 2677.50	25	24.75	298.54		
		2506.02 ~ 2679.99	20	24.80	302.00		
		2503.5 ~ 2682.48	15	24.68	293.76		
2501.01 ~ 2685.00	10	24.46	279.25				

NR Band n41(SRS2)

FCC Part 27							
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Conducted		Radiated	
				Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n41	G	2546.01 ~ 2640.00	100	19.77	94.84		
		2541.00 ~ 2644.98	90	19.47	88.51		
		2536.02 ~ 2649.99	80	19.76	94.62		
		2531.02 ~ 2654.98	70	19.66	92.47		
		2526.00 ~ 2659.98	60	19.87	97.05		
		2521.01 ~ 2665.00	50	19.87	97.05	12.43	17.50
		2516.01 ~ 2670.00	40	19.67	92.68		
		2511.00 ~ 2675.00	30	19.80	95.50		
		2508.51 ~ 2677.50	25	19.78	95.06		
		2506.02 ~ 2679.99	20	19.49	88.92		
		2503.5 ~ 2682.48	15	19.52	89.54		
2501.01 ~ 2685.00	10	19.15	82.22				

NR Band n41(SRS3)

FCC Part 27							
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Conducted		Radiated	
				Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n41	C	2546.01 ~ 2640.00	100	17.50	56.23		
		2541.00 ~ 2644.98	90	17.68	58.61		
		2536.02 ~ 2649.99	80	17.66	58.34		
		2531.02 ~ 2654.98	70	17.58	57.28		
		2526.00 ~ 2659.98	60	17.74	59.43		
		2521.01 ~ 2665.00	50	18.19	65.92		
		2516.01 ~ 2670.00	40	18.05	63.83		
		2511.00 ~ 2675.00	30	18.11	64.71		
		2508.51 ~ 2677.50	25	18.11	64.71		
		2506.02 ~ 2679.99	20	18.00	63.10		
		2503.5 ~ 2682.48	15	18.10	64.57		
2501.01 ~ 2685.00	10	18.26	66.99	13.45	22.13		

NR Band n41 Switching (SA)

FCC Part 27									
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted		Radiated	
						Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n41	B	2546.01 ~ 2640.00	100	DFT-s OFDM	$\pi/2$ BPSK	23.97	249.46		
					QPSK	23.96	248.89	26.84	483.06
					16QAM	22.98	198.61	26.31	427.56
					64QAM	21.56	143.22		
					256QAM	19.38	86.70		
				CP-OFDM	QPSK	22.68	185.35		
		2541.00 ~ 2644.98	90	DFT-s OFDM	$\pi/2$ BPSK	24.04	253.51		
					QPSK	24.04	253.51	26.48	444.63
					16QAM	22.98	198.61	25.62	364.75
					64QAM	21.45	139.64		
					256QAM	19.30	85.11		
				CP-OFDM	QPSK	22.53	179.06		
		2536.02 ~ 2649.99	80	DFT-s OFDM	$\pi/2$ BPSK	24.01	251.77		
					QPSK	23.98	250.03	26.51	447.71
					16QAM	22.90	194.98	25.93	391.74
					64QAM	21.40	138.04		
					256QAM	19.26	84.33		
				CP-OFDM	QPSK	22.55	179.89		
		2531.02 ~ 2654.98	70	DFT-s OFDM	$\pi/2$ BPSK	24.09	256.45		
					QPSK	24.11	257.63	26.37	433.51
					16QAM	22.74	187.93	25.76	376.70
					64QAM	21.31	135.21		
					256QAM	19.19	82.99		
				CP-OFDM	QPSK	22.47	176.60		
		2526.00 ~ 2659.98	60	DFT-s OFDM	$\pi/2$ BPSK	23.86	243.22		
					QPSK	23.91	246.04	26.25	421.70
					16QAM	22.64	183.65	25.57	360.58
					64QAM	21.25	133.35		
					256QAM	19.06	80.54		
				CP-OFDM	QPSK	22.39	173.38		
		2521.01 ~ 2665.00	50	DFT-s OFDM	$\pi/2$ BPSK	24.19	262.42		
					QPSK	24.21	263.63	26.48	444.63
					16QAM	22.96	197.70	25.57	360.58
					64QAM	21.43	139.00		
					256QAM	19.29	84.92		
				CP-OFDM	QPSK	22.51	178.24		
		2516.01 ~ 2670.00	40	DFT-s OFDM	$\pi/2$ BPSK	23.96	248.89		
					QPSK	23.97	249.46	26.57	453.94
					16QAM	22.66	184.50	25.83	382.82
					64QAM	21.30	134.90		
					256QAM	19.12	81.66		
				CP-OFDM	QPSK	22.32	170.61		
		2511.00 ~ 2675.00	30	DFT-s OFDM	$\pi/2$ BPSK	24.03	252.93		
					QPSK	24.04	253.51	26.52	448.75
					16QAM	22.82	191.43	26.05	402.72
					64QAM	21.40	138.04		
					256QAM	19.23	83.75		
				CP-OFDM	QPSK	22.54	179.47		
2508.51 ~ 2677.50	25	DFT-s OFDM	$\pi/2$ BPSK	24.14	259.42				
			QPSK	24.23	264.94	26.62	459.20		
			16QAM	23.36	216.70	26.02	399.94		
			64QAM	21.96	156.96				
			256QAM	19.53	89.78				
		CP-OFDM	QPSK	22.74	188.09				
2506.02 ~ 2679.99	20	DFT-s OFDM	$\pi/2$ BPSK	23.84	242.10				
			QPSK	23.86	243.22	26.74	472.06		
			16QAM	22.64	183.65	25.97	395.37		
			64QAM	21.26	133.66				
			256QAM	19.09	81.10				
		CP-OFDM	QPSK	22.40	173.78				
2503.50 ~ 2682.48	15	DFT-s OFDM	$\pi/2$ BPSK	24.01	251.77				
			QPSK	24.00	251.19	26.27	423.64		
			16QAM	22.76	188.80	25.47	352.37		
			64QAM	21.36	136.77				
			256QAM	19.14	82.04				
		CP-OFDM	QPSK	22.50	177.83				
2501.01 ~ 2685.00	10	DFT-s OFDM	$\pi/2$ BPSK	23.88	244.34				
			QPSK	23.91	246.04	26.46	442.59		
			16QAM	22.71	186.64	25.83	382.82		
			64QAM	21.32	135.52				
			256QAM	19.15	82.22				
		CP-OFDM	QPSK	22.47	176.60				

NR Band n41(SRS1)

FCC Part 27							
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Conducted		Radiated	
				Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n41	E	2546.01 ~ 2640.00	100	23.86	243.22		
		2541.00 ~ 2644.98	90	24.00	251.19		
		2536.02 ~ 2649.99	80	23.98	250.03		
		2531.02 ~ 2654.98	70	23.89	244.91		
		2526.00 ~ 2659.98	60	24.00	251.19		
		2521.01 ~ 2665.00	50	24.24	265.46	22.62	182.81
		2516.01 ~ 2670.00	40	24.08	255.86		
		2511.00 ~ 2675.00	30	24.16	260.62		
		2508.51 ~ 2677.50	25	24.13	258.82		
		2506.02 ~ 2679.99	20	23.94	247.74		
2503.5 ~ 2682.48	15	23.92	246.60				
2501.01 ~ 2685.00	10	24.11	257.63				

NR Band n41(SRS2)

FCC Part 27							
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Conducted		Radiated	
				Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n41	C	2546.01 ~ 2640.00	100	17.50	56.23		
		2541.00 ~ 2644.98	90	17.55	56.89		
		2536.02 ~ 2649.99	80	17.61	57.68		
		2531.02 ~ 2654.98	70	17.60	57.54		
		2526.00 ~ 2659.98	60	17.71	59.02		
		2521.01 ~ 2665.00	50	17.88	61.38	16.14	41.11
		2516.01 ~ 2670.00	40	17.76	59.70		
		2511.00 ~ 2675.00	30	17.78	59.98		
		2508.51 ~ 2677.50	25	17.78	59.98		
		2506.02 ~ 2679.99	20	17.72	59.16		
2503.5 ~ 2682.48	15	17.71	59.02				
2501.01 ~ 2685.00	10	17.74	59.43				

NR Band n41(SRS3)

FCC Part 27							
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Conducted		Radiated	
				Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n41	G	2546.01 ~ 2640.00	100	20.10	102.33		
		2541.00 ~ 2644.98	90	20.23	105.44		
		2536.02 ~ 2649.99	80	20.24	105.68		
		2531.02 ~ 2654.98	70	20.18	104.23		
		2526.00 ~ 2659.98	60	20.26	106.17		
		2521.01 ~ 2665.00	50	20.42	110.15	10.72	11.80
		2516.01 ~ 2670.00	40	20.24	105.68		
		2511.00 ~ 2675.00	30	20.10	102.33		
		2508.51 ~ 2677.50	25	20.30	107.15		
		2506.02 ~ 2679.99	20	19.65	92.26		
2503.5 ~ 2682.48	15	19.60	91.20				
2501.01 ~ 2685.00	10	19.59	90.99				

NR Band n66

FCC Part 27											
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted		Radiated			
						Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]		
n66	B	1730.00 ~ 1760.00	40	DFT-s OFDM	$\pi/2$ BPSK	23.97	249.46				
					QPSK	24.03	252.93	24.07	255.27		
					16QAM	22.87	193.64	23.05	201.84		
					64QAM	21.63	145.55				
				CP-OFDM	QPSK	22.65	184.08				
					$\pi/2$ BPSK	24.16	260.62				
					QPSK	24.25	266.07	24.40	275.42		
					16QAM	23.20	208.93	23.40	218.78		
		1727.50 ~ 1762.50	35	DFT-s OFDM	16QAM	21.95	156.68				
					64QAM	19.22	83.56				
					256QAM	19.22	83.56				
					QPSK	22.88	194.09				
				CP-OFDM	QPSK	22.88	194.09				
					$\pi/2$ BPSK	24.39	274.79				
					QPSK	24.44	277.97	24.41	276.06		
					16QAM	23.26	211.84	23.43	220.29		
		1725.00 ~ 1765.00	30	DFT-s OFDM	64QAM	21.98	157.76				
					256QAM	19.34	85.90				
					QPSK	22.98	198.61				
					CP-OFDM	QPSK	22.98	198.61			
				1722.50 ~ 1767.50	25	DFT-s OFDM	$\pi/2$ BPSK	24.40	275.42		
							QPSK	24.46	279.25	24.49	281.19
							16QAM	23.29	213.30	23.47	222.33
							64QAM	21.98	157.76		
		CP-OFDM	256QAM			19.30	85.11				
			QPSK			22.98	198.61				
			$\pi/2$ BPSK			24.25	266.07				
			QPSK			24.26	266.69	24.25	266.07		
		1720.00 ~ 1770.00	20	DFT-s OFDM	16QAM	23.07	202.77	23.25	211.35		
					64QAM	21.85	153.11				
					256QAM	19.18	82.79				
					QPSK	22.76	188.80				
CP-OFDM	QPSK			22.76	188.80						
	$\pi/2$ BPSK			24.37	273.53						
	QPSK			24.42	276.69	24.53	283.79				
	16QAM			23.22	209.89	23.56	226.99				
1717.50 ~ 1772.50	15	DFT-s OFDM	64QAM	21.95	156.68						
			256QAM	19.27	84.53						
			QPSK	22.97	198.15						
			CP-OFDM	QPSK	22.97	198.15					
		CP-OFDM	$\pi/2$ BPSK	24.33	271.02						
			QPSK	24.35	272.27	24.57	286.42				
			16QAM	23.22	209.89	23.52	224.91				
			64QAM	21.93	155.96						
1715.00 ~ 1775.00	10	DFT-s OFDM	256QAM	19.24	83.95						
			QPSK	22.92	195.88						
			CP-OFDM	QPSK	22.92	195.88					
			$\pi/2$ BPSK	24.34	271.64						
		CP-OFDM	QPSK	24.31	269.77	23.97	249.46				
			16QAM	23.18	207.97	22.98	198.61				
			64QAM	21.67	153.82						
			256QAM	19.22	83.56						
1712.50 ~ 1777.50	5	DFT-s OFDM	QPSK	22.89	194.54						
			CP-OFDM	QPSK	22.89	194.54					
			$\pi/2$ BPSK	24.34	271.64						
			QPSK	24.31	269.77	23.97	249.46				
		CP-OFDM	16QAM	23.18	207.97	22.98	198.61				
			64QAM	21.67	153.82						
			256QAM	19.22	83.56						
			QPSK	22.89	194.54						

FCC Part 27									
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted		Radiated	
						Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n66	E	1730.00 ~ 1760.00	40	DFT-s OFDM	$\pi/2$ BPSK	23.28	212.81		
					QPSK	23.29	213.30	22.23	167.11
					16QAM	22.20	165.96	21.41	138.36
					64QAM	20.86	121.90		
				256QAM	18.13	65.01			
				CP-OFDM	QPSK	21.82	152.05		
				DFT-s OFDM	$\pi/2$ BPSK	23.40	218.78		
					QPSK	23.44	220.80	22.04	159.96
		16QAM	22.35		171.79	21.32	135.52		
		64QAM	20.95		124.45				
		256QAM	18.29	67.45					
		CP-OFDM	QPSK	22.03	159.59				
		1725.00 ~ 1765.00	30	DFT-s OFDM	$\pi/2$ BPSK	23.56	226.99		
					QPSK	23.55	226.46	22.02	159.22
					16QAM	22.37	172.58	21.09	128.53
					64QAM	21.02	126.47		
				256QAM	18.39	69.02			
				CP-OFDM	QPSK	22.09	161.81		
				DFT-s OFDM	$\pi/2$ BPSK	23.52	224.91		
					QPSK	23.52	224.91	22.05	160.32
		16QAM	22.38		172.98	21.04	127.06		
		64QAM	21.08		128.23				
		256QAM	18.38	68.87					
		CP-OFDM	QPSK	22.09	161.81				
		1720.00 ~ 1770.00	20	DFT-s OFDM	$\pi/2$ BPSK	23.36	216.77		
					QPSK	23.39	218.27	22.14	163.68
					16QAM	22.27	168.66	21.24	133.05
					64QAM	20.91	123.31		
				256QAM	18.29	67.45			
				CP-OFDM	QPSK	22.00	158.49		
				DFT-s OFDM	$\pi/2$ BPSK	23.57	227.51		
					QPSK	23.55	226.46	22.10	162.18
		16QAM	22.38		172.98	21.76	149.97		
		64QAM	21.09		128.53				
		256QAM	18.40	69.18					
		CP-OFDM	QPSK	22.17	164.82				
		1715.00 ~ 1775.00	10	DFT-s OFDM	$\pi/2$ BPSK	23.49	223.36		
					QPSK	23.53	225.42	22.06	160.69
					16QAM	22.39	173.38	21.19	131.52
					64QAM	21.10	128.82		
				256QAM	18.41	69.34			
				CP-OFDM	QPSK	22.05	160.32		
				DFT-s OFDM	$\pi/2$ BPSK	23.49	223.36		
					QPSK	23.47	222.33	21.36	136.77
		16QAM	22.36		172.19	20.37	108.89		
		64QAM	21.01		126.18				
		256QAM	18.34	68.23					
		CP-OFDM	QPSK	22.00	158.49				

NR Band n77(3450-3550 MHz)

FCC Part 27										
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted		Radiated		
						Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]	
n77	E	3499.98	100	DFT-s OFDM	$\pi/2$ BPSK	23.87	243.78			
					QPSK	23.88	244.34	24.16	260.62	
					16QAM	22.92	195.88	23.32	214.78	
					64QAM	21.15	130.32			
					256QAM	19.09	81.10			
		C-OFDM	QPSK	22.34	171.40					
			$\pi/2$ BPSK	24.50	281.84					
			QPSK	24.71	295.80	24.22	264.24			
			16QAM	23.22	209.89	23.69	233.88			
			64QAM	22.00	158.49					
		DFT-s OFDM	256QAM	19.80	95.50					
			CP-OFDM	QPSK	22.78	189.67				
			3490.02 ~ 3510.00	80	DFT-s OFDM	$\pi/2$ BPSK	24.49	281.19		
						QPSK	24.72	296.48	24.24	265.46
						16QAM	23.33	215.28	23.51	224.39
		64QAM				21.97	157.40			
		256QAM				19.79	95.28			
		CP-OFDM	QPSK	22.82	191.43					
			3485.01 ~ 3514.98	70	DFT-s OFDM	$\pi/2$ BPSK	24.43	277.33		
						QPSK	24.57	286.42	24.40	275.42
						16QAM	23.04	201.37	23.86	243.22
						64QAM	21.42	138.68		
		256QAM				19.75	94.41			
		CP-OFDM	QPSK	22.83	191.87					
			3480.00 ~ 3519.99	60	DFT-s OFDM	$\pi/2$ BPSK	24.43	277.33		
						QPSK	24.47	279.90	24.71	295.80
						16QAM	23.23	210.38	23.36	216.77
						64QAM	21.31	135.21		
		256QAM				19.74	94.19			
		CP-OFDM	QPSK	22.95	197.24					
			3475.02 ~ 3525.00	50	DFT-s OFDM	$\pi/2$ BPSK	24.68	293.76		
						QPSK	24.80	302.00	24.71	295.80
						16QAM	23.51	224.39	24.24	265.46
						64QAM	22.04	159.96		
		256QAM				19.97	99.31			
		CP-OFDM	QPSK	23.14	206.06					
			3470.01 ~ 3529.98	40	DFT-s OFDM	$\pi/2$ BPSK	24.74	297.85		
						QPSK	24.78	300.61	24.45	278.61
						16QAM	23.63	230.67	23.95	248.31
						64QAM	22.25	167.88		
		256QAM				20.06	101.39			
		CP-OFDM	QPSK	23.18	207.97					
			3465.00 ~ 3535.02	30	DFT-s OFDM	$\pi/2$ BPSK	23.89	244.91		
						QPSK	24.34	271.64	24.65	291.74
						16QAM	23.41	219.28	23.60	229.09
						64QAM	22.00	158.49		
		256QAM				19.90	97.72			
		CP-OFDM	QPSK	23.05	201.84					
3462.51 ~ 3537.48	25		DFT-s OFDM	$\pi/2$ BPSK	23.88	244.34				
				QPSK	23.90	245.47	24.63	290.40		
				16QAM	22.93	196.34	23.63	230.67		
				64QAM	21.48	140.60				
		256QAM		19.50	89.13					
CP-OFDM	QPSK	22.54	179.47							
	3460.02 ~ 3540.00	20	DFT-s OFDM	$\pi/2$ BPSK	23.89	244.91				
				QPSK	24.25	266.07	24.46	279.25		
				16QAM	23.24	210.86	23.35	216.27		
				64QAM	21.93	155.96				
256QAM				19.74	94.19					
CP-OFDM	QPSK	22.91	195.43							
	3457.50 ~ 3542.49	15	DFT-s OFDM	$\pi/2$ BPSK	23.89	244.91				
				QPSK	24.32	270.40	25.00	316.23		
				16QAM	23.20	208.93	24.21	263.63		
				64QAM	22.04	159.96				
256QAM				19.72	93.76					
CP-OFDM	QPSK	22.75	188.36							
	3455.01 ~ 3549.99	10	DFT-s OFDM	$\pi/2$ BPSK	23.78	238.78				
				QPSK	24.21	263.63	24.97	314.05		
				16QAM	23.39	218.27	24.00	251.19		
				64QAM	22.06	160.69				
256QAM				19.99	99.77					
CP-OFDM	QPSK	22.68	185.35							

NR Band n77(3450-3550 MHz, SRS1)

FCC Part 27							
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Conducted		Radiated	
				Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n77	C	3499.98	100	15.94	39.26		
		3495.00 ~ 3504.99	90	16.02	39.99		
		3490.02 ~ 3510.00	80	16.07	40.46		
		3485.01 ~ 3514.98	70	15.90	38.90		
		3480.00 ~ 3519.99	60	16.04	40.18		
		3475.02 ~ 3525.00	50	16.32	42.85	14.11	25.76
		3470.01 ~ 3529.98	40	16.25	42.17		
		3465.00 ~ 3535.02	30	16.26	42.27		
		3462.51 ~ 3537.48	25	16.28	42.46		
		3460.02 ~ 3540.00	20	16.16	41.30		
		3457.50 ~ 3542.49	15	16.21	41.78		
3455.01 ~ 3549.99	10	16.21	41.78				

NR Band n77(3450-3550 MHz, SRS2)

FCC Part 27							
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Conducted		Radiated	
				Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n77	F	3499.98	100	24.78	300.61		
		3495.00 ~ 3504.99	90	24.97	314.05		
		3490.02 ~ 3510.00	80	24.93	311.17		
		3485.01 ~ 3514.98	70	24.87	306.90		
		3480.00 ~ 3519.99	60	25.00	316.23		
		3475.02 ~ 3525.00	50	25.24	334.20	21.07	127.94
		3470.01 ~ 3529.98	40	25.15	327.34		
		3465.00 ~ 3535.02	30	25.22	332.66		
		3462.51 ~ 3537.48	25	25.20	331.13		
		3460.02 ~ 3540.00	20	25.16	328.10		
		3457.50 ~ 3542.49	15	25.18	329.61		
3455.01 ~ 3549.99	10	25.20	331.13				

NR Band n77(3450-3550 MHz, SRS3)

FCC Part 27							
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Conducted		Radiated	
				Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n77	A	3499.98	100	19.11	81.47		
		3495.00 ~ 3504.99	90	19.26	84.33		
		3490.02 ~ 3510.00	80	19.27	84.53		
		3485.01 ~ 3514.98	70	19.14	82.04		
		3480.00 ~ 3519.99	60	19.24	83.95		
		3475.02 ~ 3525.00	50	19.54	89.95	14.70	29.51
		3470.01 ~ 3529.98	40	19.40	87.10		
		3465.00 ~ 3535.02	30	19.48	88.72		
		3462.51 ~ 3537.48	25	19.47	88.51		
		3460.02 ~ 3540.00	20	19.38	86.70		
		3457.50 ~ 3542.49	15	19.42	87.50		
3455.01 ~ 3549.99	10	19.43	87.70				

NR Band n77(3700-3980 MHz)

FCC Part 27										
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted		Radiated		
						Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]	
n77	E	3750.00 ~ 3930.00	100	DFT-s OFDM	$\pi/2$ BPSK	23.28	212.81			
					QPSK	23.36	216.77	25.76	376.70	
					16QAM	22.88	194.09	25.30	338.84	
					64QAM	21.19	131.52			
					256QAM	19.12	81.66			
				C-OFDM	QPSK	22.19	165.58			
					$\pi/2$ BPSK	24.05	254.10			
					QPSK	24.18	261.82	25.51	355.63	
					16QAM	23.32	214.78	24.45	278.61	
					64QAM	21.56	143.22			
		3745.02 ~ 3934.98	90	DFT-s OFDM	256QAM	19.80	95.50			
					CP-OFDM	QPSK	22.77	189.23		
					$\pi/2$ BPSK	23.94	247.74			
					QPSK	24.11	257.63	25.78	378.44	
					16QAM	23.07	202.77	25.15	327.34	
				CP-OFDM	64QAM	21.73	148.94			
					256QAM	19.52	89.54			
					QPSK	22.74	187.93			
					$\pi/2$ BPSK	23.84	242.10			
					QPSK	24.05	254.10	25.52	356.45	
		3740.01 ~ 3939.99	80	DFT-s OFDM	16QAM	22.83	191.87	24.82	303.39	
					64QAM	21.16	130.62			
					256QAM	19.45	88.10			
					CP-OFDM	QPSK	22.75	188.36		
					$\pi/2$ BPSK	24.14	259.42			
				CP-OFDM	QPSK	24.08	255.86	25.81	381.07	
					16QAM	22.94	196.79	25.20	331.13	
					64QAM	21.59	144.21			
					256QAM	19.42	87.50			
					QPSK	22.58	181.13			
		3735.02 ~ 3944.98	70	DFT-s OFDM	$\pi/2$ BPSK	24.14	259.42			
					QPSK	24.08	255.86	25.61	363.92	
					16QAM	23.21	209.41	24.48	280.54	
					64QAM	21.78	150.66			
					256QAM	19.51	89.33			
				CP-OFDM	QPSK	22.77	189.23			
					$\pi/2$ BPSK	24.12	258.23			
					QPSK	23.99	250.61	25.37	344.35	
					16QAM	22.95	197.24	24.88	307.61	
					64QAM	21.52	141.91			
		3730.02 ~ 3949.98	60	DFT-s OFDM	256QAM	19.26	84.33			
					CP-OFDM	QPSK	22.47	176.60		
					$\pi/2$ BPSK	23.52	224.91			
					QPSK	24.19	262.42	25.48	353.18	
					16QAM	22.84	192.31	24.31	269.77	
				CP-OFDM	64QAM	21.43	139.00			
					256QAM	19.41	87.30			
					QPSK	22.61	182.39			
$\pi/2$ BPSK	23.45				221.31					
QPSK	23.90				245.47	25.41	347.54			
3725.01 ~ 3954.99	50	DFT-s OFDM	16QAM	22.45	175.79	24.50	281.84			
			64QAM	20.99	125.60					
			256QAM	19.07	80.72					
			CP-OFDM	QPSK	22.03	159.59				
			$\pi/2$ BPSK	23.68	233.35					
		CP-OFDM	QPSK	24.22	264.24	25.22	332.66			
			16QAM	22.71	186.64	24.00	251.19			
			64QAM	21.29	134.59					
			256QAM	19.24	83.95					
			QPSK	22.40	173.78					
3720.02 ~ 3960.0	40	DFT-s OFDM	$\pi/2$ BPSK	23.59	228.56					
			QPSK	23.96	248.89	25.24	334.20			
			16QAM	22.55	179.89	24.35	272.27			
			64QAM	21.29	134.59					
			256QAM	19.30	85.11					
		CP-OFDM	QPSK	22.42	174.58					
			$\pi/2$ BPSK	23.51	224.39					
			QPSK	23.95	248.31	25.22	332.66			
			16QAM	22.60	181.97	23.97	249.46			
			64QAM	21.36	136.77					
3715.02 ~ 3964.98	30	DFT-s OFDM	256QAM	19.10	81.28					
			CP-OFDM	QPSK	22.57	180.72				
			$\pi/2$ BPSK	23.52	224.91					
			QPSK	24.19	262.42	25.48	353.18			
			16QAM	22.84	192.31	24.31	269.77			
		CP-OFDM	64QAM	21.43	139.00					
			256QAM	19.41	87.30					
			QPSK	22.61	182.39					
			$\pi/2$ BPSK	23.45	221.31					
			QPSK	23.90	245.47	25.41	347.54			
3712.50 ~ 3967.50	25	DFT-s OFDM	16QAM	22.45	175.79	24.50	281.84			
			64QAM	20.99	125.60					
			256QAM	19.07	80.72					
			CP-OFDM	QPSK	22.03	159.59				
			$\pi/2$ BPSK	23.68	233.35					
		CP-OFDM	QPSK	24.22	264.24	25.22	332.66			
			16QAM	22.71	186.64	24.00	251.19			
			64QAM	21.29	134.59					
			256QAM	19.24	83.95					
			QPSK	22.40	173.78					
3710.01 ~ 3969.99	20	DFT-s OFDM	$\pi/2$ BPSK	23.59	228.56					
			QPSK	23.96	248.89	25.24	334.20			
			16QAM	22.55	179.89	24.35	272.27			
			64QAM	21.29	134.59					
			256QAM	19.30	85.11					
		CP-OFDM	QPSK	22.42	174.58					
			$\pi/2$ BPSK	23.51	224.39					
			QPSK	23.95	248.31	25.22	332.66			
			16QAM	22.60	181.97	23.97	249.46			
			64QAM	21.36	136.77					
3707.52 ~ 3972.48	15	DFT-s OFDM	256QAM	19.10	81.28					
			CP-OFDM	QPSK	22.57	180.72				
			$\pi/2$ BPSK	23.52	224.91					
			QPSK	24.19	262.42	25.48	353.18			
			16QAM	22.84	192.31	24.31	269.77			
		CP-OFDM	64QAM	21.43	139.00					
			256QAM	19.41	87.30					
			QPSK	22.61	182.39					
			$\pi/2$ BPSK	23.45	221.31					
			QPSK	23.90	245.47	25.41	347.54			
3705.00 ~ 3975.00	10	DFT-s OFDM	16QAM	22.45	175.79	24.50	281.84			
			64QAM	20.99	125.60					
			256QAM	19.07	80.72					
			CP-OFDM	QPSK	22.03	159.59				
			$\pi/2$ BPSK	23.68	233.35					
		CP-OFDM	QPSK	24.22	264.24	25.22	332.66			
			16QAM	22.71	186.64	24.00	251.19			
			64QAM	21.29	134.59					
			256QAM	19.24	83.95					
			QPSK	22.40	173.78					

NR Band n77(3700-3980 MHz, SRS1)

FCC Part 27							
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Conducted		Radiated	
				Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n77	C	3750.00 ~ 3930.00	100	16.31	42.76		
		3745.02 ~ 3934.98	90	16.45	44.16		
		3740.01 ~ 3939.99	80	16.54	45.08		
		3735.02 ~ 3944.98	70	16.38	43.45		
		3730.02 ~ 3949.98	60	16.45	44.16		
		3725.01 ~ 3954.99	50	16.75	47.32		
		3720.02 ~ 3960.00	40	16.65	46.24		
		3715.02 ~ 3964.98	30	16.71	46.88		
		3712.50 ~ 3967.50	25	16.80	47.86	15.37	34.43
		3710.01 ~ 3969.99	20	16.61	45.81		
3707.52 ~ 3972.48	15	16.68	46.56				
3705.00 ~ 3975.00	10	16.70	46.77				

NR Band n77(3700-3980 MHz, SRS2)

FCC Part 27							
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Conducted		Radiated	
				Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n77	F	3750.00 ~ 3930.00	100	25.33	341.19		
		3745.02 ~ 3934.98	90	25.45	350.75		
		3740.01 ~ 3939.99	80	25.41	347.54		
		3735.02 ~ 3944.98	70	25.31	339.63		
		3730.02 ~ 3949.98	60	25.22	332.66		
		3725.01 ~ 3954.99	50	25.46	351.56	25.23	333.43
		3720.02 ~ 3960.00	40	25.45	350.75		
		3715.02 ~ 3964.98	30	25.44	349.95		
		3712.50 ~ 3967.50	25	25.24	334.20		
		3710.01 ~ 3969.99	20	25.40	346.74		
3707.52 ~ 3972.48	15	25.39	345.94				
3705.00 ~ 3975.00	10	25.41	347.54				

NR Band n77(3700-3980 MHz, SRS3)

FCC Part 27							
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Conducted		Radiated	
				Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n77	A	3750.00 ~ 3930.00	100	18.70	74.13		
		3745.02 ~ 3934.98	90	18.78	75.51		
		3740.01 ~ 3939.99	80	18.74	74.82		
		3735.02 ~ 3944.98	70	18.77	75.34		
		3730.02 ~ 3949.98	60	18.80	75.86		
		3725.01 ~ 3954.99	50	18.98	79.07	18.88	77.27
		3720.02 ~ 3960.00	40	18.92	77.98		
		3715.02 ~ 3964.98	30	18.93	78.16		
		3712.50 ~ 3967.50	25	18.94	78.34		
		3710.01 ~ 3969.99	20	18.92	77.98		
3707.52 ~ 3972.48	15	18.90	77.62				
3705.00 ~ 3975.00	10	18.91	77.80				

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)	ANT	Peak Gain (dBi/dBd)
LTE Band 12 699 - 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 41 / NR Band n41 2496 - 2690 MHz	E	-4.5
	B	-1.7
	G	-6.2
	C	-6.5
WCDMA Band 4 / LTE Band 4, 66 / NR Band n66 1710 - 1780 MHz	B	-1.8
	E	-4.2
NR Band n77 3450-3550 MHz, 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**
 The worst-case scenario for all measurements is based on the average conducted output power measurement investigation results. Output power measurements were measured on REL 99 and HSDPA modulations. It was found REL 99 results were worst case.
- **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 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) and Tx Hopping Algorithm. So the test case is as below

Band	Antenna Switching
LTE B12	AFS (Adaptive Frame Switching) / ASDiv (Antenna Switching Diversity)
LTE B13	
LTE B66	Tx Hopping
LTE B41	

- **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 $\pi/2$ BPSK, QPSK, 16QAM, 64QAM and 256QAM modulations. It was found QPSK and 16QAM results were worst case.

This device supports NSA and SA and Antenna Switching Mode.

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

NR Band	NSA	SA	Antenna Switching
n66	LTE B2, B5, B12, B13	Stand Alone	Tx Hopping
n41	LTE B4, B12, B66	Stand Alone	
n41 Switching (SA)		Stand Alone	Tx Hopping
n77	LTE B2, B5, B12, B13, B25, B66	Stand Alone	

- The AFS mode of device operates only in radiated state.
 So both folded and open modes were tested and worst data is reported.

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

- It was tested for all rf ports and, 'Main ANT' conducted test power is the same or higher than 'Sub ANT', so we reported with 'Main ANT' (LTE B13, LTE B66, NR n66, NR n41)
- It was tested for all rf ports and, 'Sub ANT' conducted test power is the same or higher than 'Main ANT', so we reported with 'Sub ANT' (LTE B12, LTE B41)
- So the test case is as below.

Band	Main ANT	Tune up Limit (dBm)	Sub ANT	Tune up Limit (dBm)
WCDMA B4	<u>B</u>	<u>24.8</u>		
LTE B12	A	25.5	<u>D</u>	<u>25.5</u>
LTE B13	<u>A</u>	<u>25.0</u>	D	25.0
LTE B66	<u>B</u>	<u>24.5</u>	E	24.5
LTE B41	B	26.5	<u>E</u>	<u>27.0</u>
NR n41	<u>E</u>	<u>25.0</u>	B	25.0
			SRS 1,2,3	-
NR n66	<u>B</u>	<u>24.5</u>	E	24.0
NR n77	<u>E</u>	<u>25.5</u>	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

Note : In case of LTE B41 Emission Mask of RF port testing, it is the worst condition in the Main ANT. For other LTE B41 RF port tests, the Sub ANT are in the worst condition.

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 17 (ANT A+B) (ANT A) (ANT D)

LTE Band 17 (Frequency range: 704-716 MHz) is covered by LTE Band 12 (Frequency range: 699-716 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).

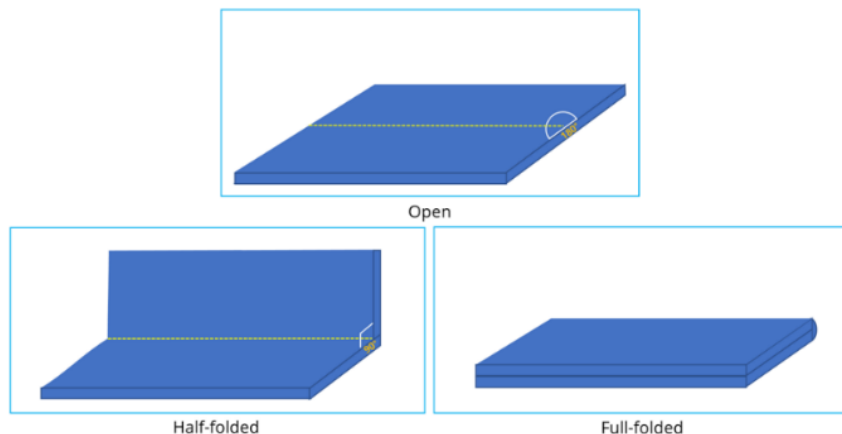
● Conducted Spurious Emission

Highest conducted output power setting for each bands					
LTE Band	ANT	Frequency (MHz)	Bandwidth (MHz)	RB size	RB offset
12	D	704.00	10	1	25
		707.50		1	25
		711.00		1	25
13	A	782.00	10	1	25
41(PC2)	E	2506.00	20	1	49
		2593.00		1	49
		2680.00		1	49
66	B	1712.50	5	1	12
		1745.00		1	12
		1777.50		1	12
NR Band	ANT	Frequency (MHz)	Bandwidth (MHz)	RB size	RB offset
41	E	2546.01	100	1	1
		2592.99		1	1
		2640.00		1	1
66	B	1722.50	25	1	1
		1745.00		1	1
		1767.50		1	1
77 (3450-3550 MHz)	E	3475.02	50	1	131
		3499.98		1	131
		3525.00		1	1
77 (3700-3980 MHz)	E	3725.01	50	1	131
		3840.00		1	1
		3954.99		1	131

● Radiated Spurious Emission

Highest ERP/EIRP setting for each bands					
LTE Band	ANT	Frequency (MHz)	Bandwidth (MHz)	RB size	RB offset
12	A+B	700.50	3	1	8
		707.50		1	8
		714.50		1	8
	A	701.50	5	1	12
		707.50		1	12
		713.50		1	12
	D	704.00	10	1	25
		707.50		1	25
		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	782.00	10	1	0	
41(PC2)	B	2498.50	5	1	12
		2593.00		1	12
		2687.50		1	12
	E	2506.00	20	1	49
		2593.00		1	49
		2680.00		1	49
66	B	1720.00	20	1	49
		1745.00		1	0
		1770.00		1	0
	E	1717.50	15	1	0
		1745.00		1	0
		1772.50		1	74
NR Band	ANT	Frequency (MHz)	Bandwidth (MHz)	RB size	RB offset
41	E	2546.01	100	1	1
		2592.99		1	1
		2640.00		1	1
41 Switching (SA)	B	2546.01	100	1	271
		2592.99		1	1
		2640.00		1	1
66	B	1715.00	10	1	1
		1745.00		1	1
		1775.00		1	1
	E	1730.00	40	1	1
		1745.00		1	1
		1760.00		1	1
77 (3450-3550 MHz)	E	3457.50	15	1	36
		3499.98		1	1
		3542.49		1	1
77 (3700-3980 MHz)	E	3730.02	60	1	160
		3840.00		1	160
		3949.98		1	160

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



Band	ANT	ERP/EIRP			RSE		
		X	Y	Z	X	Y	Z
WCDMA B4	B	Open	-	-	Open	-	-
LTE B12	A+B	-	-	Open	Open	-	-
	A	-	-	Full-folded	-	-	Full-folded
	D	-	-	Open	-	-	Open
LTE B13	A+B	Open	-	-	-	-	Open
	A	-	-	Full-folded	-	-	Full-folded
	D	-	-	Open	-	-	Open
LTE B41(PC2)	B	Open	-	-	-	Open	-
	E	-	Half-folded	-	-	-	Open
LTE B66	B	-	-	Open	-	-	Half-folded
	E	-	-	Open	-	-	Full-folded
NR n41	E	-	Half-folded	-	-	Half-folded	-
	B(SRS1)	Open	-	-	-	Open	-
	G(SRS2)	-	Full-folded	-	-	Half-folded	-
	C(SRS3)	Half-folded	-	-	Half-folded	-	-
NR n41 Switching (SA)	B	Open	-	-	Open	-	-
	E(SRS1)	Half-folded	-	-	Half-folded	-	-
	C(SRS2)	-	Open	-	-	Open	-
	G(SRS3)	-	Half-folded	-	-	Half-folded	-
NR n66	B	Open	-	-	-	Open	-
	E	-	-	Open	-	-	Open

NR n77 (3450-3550 MHz)	E	Open	-	-	Open	-	-
	C(SRS1)	Open	-	-	Open	-	-
	F(SRS2)	-	-	Open	-	-	Open
	A(SRS3)	Half-folded	-	-	-	Full-folded	-
NR n77 (3700-3980 MHz)	E	Open	-	-	-	Half-folded	-
	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.

5.5. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Support Equipment List				
Description	Manufacture	Model	Serial Number	FCC ID
Charger	SAMSUNG	EP-TA800	R37N9QP4R69DK3	N/A
Data Cable	SAMSUNG	EP-DN980	GH39-02117A	N/A
Wireless Charger	SAMSUNG	EP-N5200	RF7T20401XMCIS	A3LEPN5200
Wireless Charger	SAMSUNG	EP-P5400	RF7W800BH1CWSB	A3LEPP5400

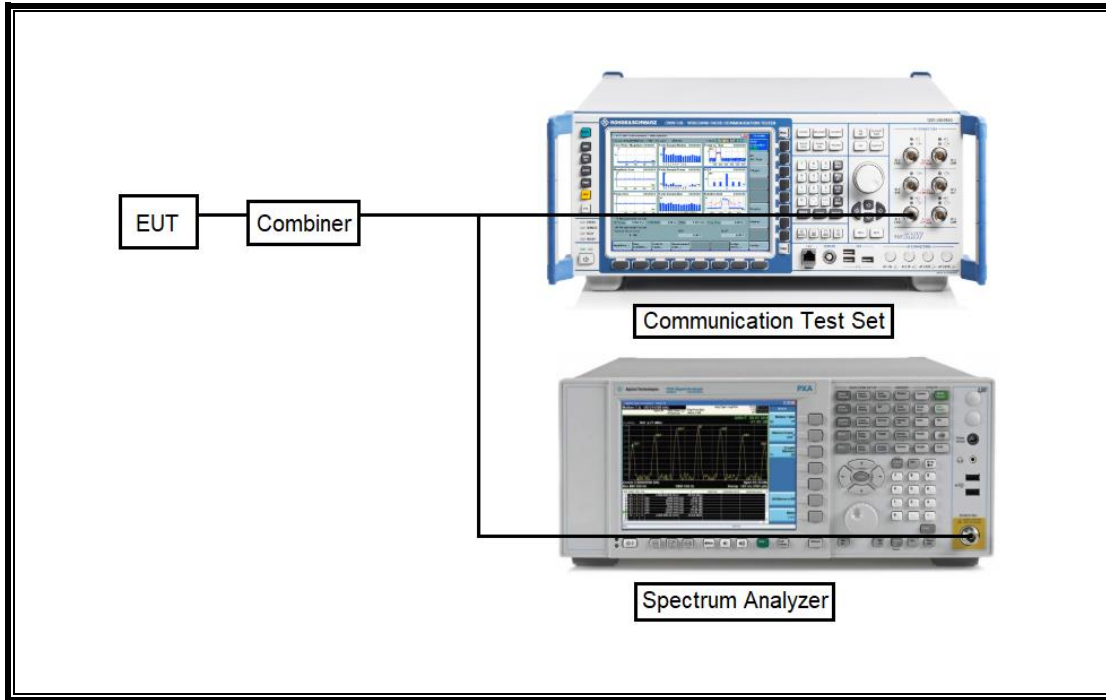
I/O CABLE

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

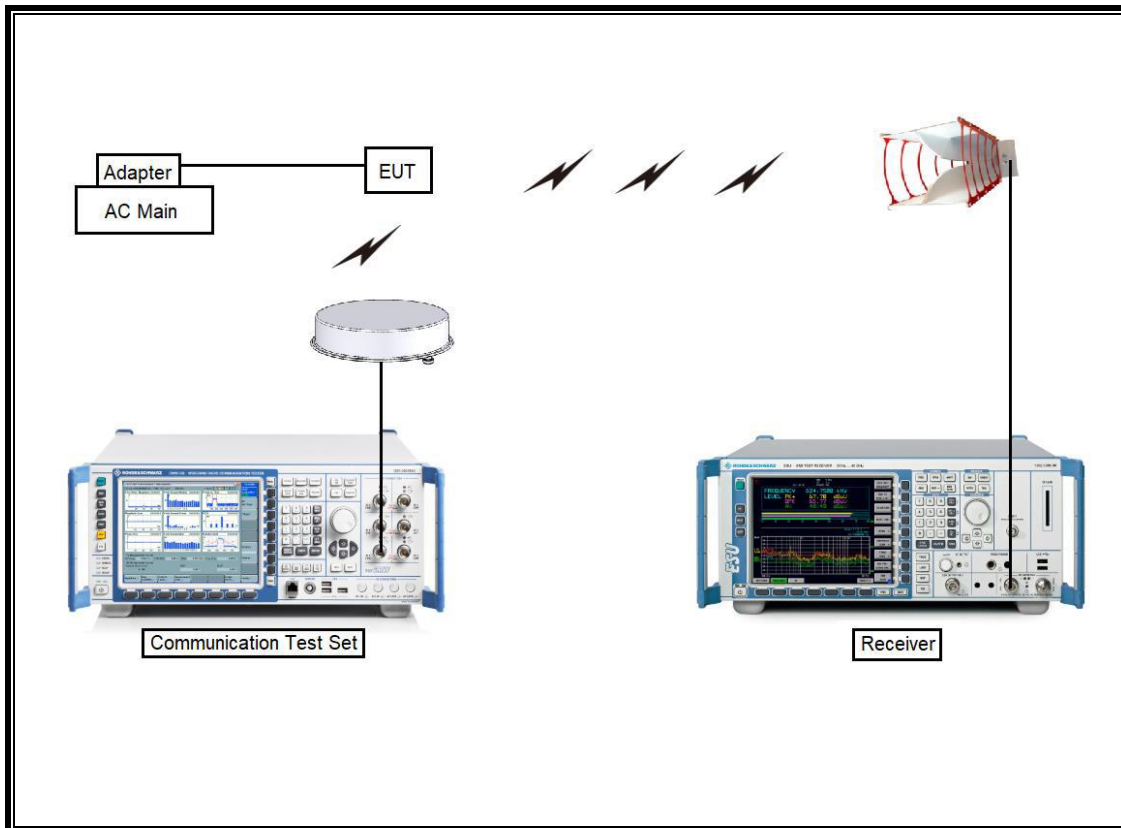
TEST SETUP

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

SETUP DIAGRAM FOR TESTS (CONDUCTED TEST SETUP)



SETUP DIAGRAM FOR TESTS (RADIATED TEST SETUP)



6. TEST AND MEASUREMENT EQUIPMENT

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

Test Equipment List				
Description	Manufacturer	Model	S/N	Cal Due
Antenna, Tuned Dipole 400~1000 MHz	ETS	3121D DB4	00164753	2025-01-17
Directional Antenna	Cobham	FPA3-0.8-6.0R/1329	110367-0003	N/A
Directional Antenna	Cobham	FPA3-0.8-6.0R/1329	80108-0004	N/A
Antenna, Horn, 40 GHz	ETS	3116C	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	PASTERNAK	PE7087-10	A009	2024-07-24
Attenuator	PASTERNAK	PE7087-10	A001	2024-07-24
Attenuator	PASTERNAK	PE7087-10	A008	2024-07-27
Attenuator	PASTERNAK	PE7004-10	2	2024-07-23
Attenuator	PASTERNAK	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
UXM5G 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), 27.53(g), 27.53(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(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
27.50(h)(2), 27.50(j)(3), 27.50(k)(3), 27.50(d)(4)	Effective Isotropic Radiated Power	33 dBm	Pass	
		30 dBm	Pass	
27.53(c), 27.53(g) 27.53(h)	Radiated Spurious Emission	-13 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 ($\pi/2$ 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 (ANT B)

Mode		UL Ch No.	Freq. (MHz)	Maximum Average Power (dBm)		
				Measured Pwr	MPR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	1312	1712.4	23.80	N/A	24.8
		1413	1732.6	23.64		
		1513	1752.6	23.50		
HSDPA	Subtest 1	1312	1712.4	22.81	0	23.8
		1413	1732.6	22.68		
		1513	1752.6	22.46		
	Subtest 2	1312	1712.4	22.76	0	23.8
		1413	1732.6	22.66		
		1513	1752.6	22.50		
	Subtest 3	1312	1712.4	22.26	0.5	23.3
		1413	1732.6	22.15		
		1513	1752.6	21.97		
	Subtest 4	1312	1712.4	22.28	0.5	23.3
		1413	1732.6	22.16		
		1513	1752.6	21.98		
HSUPA	Subtest 1	1312	1712.4	22.76	0	23.8
		1413	1732.6	22.65		
		1513	1752.6	22.48		
	Subtest 2	1312	1712.4	20.73	2	21.8
		1413	1732.6	20.64		
		1513	1752.6	20.46		
	Subtest 3	1312	1712.4	21.72	1	22.8
		1413	1732.6	21.67		
		1513	1752.6	21.46		
	Subtest 4	1312	1712.4	20.73	2	21.8
		1413	1732.6	20.66		
		1513	1752.6	20.54		
	Subtest 5	1312	1712.4	22.35	0	23.8
		1413	1732.6	22.25		
		1513	1752.6	22.15		

LTE Band 12 (ANT A)

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)					
				Measured Pwr (dBm)			MPR	Tune-up Limit	
				23060 704.00 MHz	23095 707.50 MHz	23130 711.00 MHz			
10 MHz	QPSK	1	0	24.44	24.48	24.59	0.0	25.5	
		1	25	24.54	24.63	24.72	0.0	25.5	
		1	49	24.61	24.70	24.60	0.0	25.5	
		25	0	23.46	23.54	23.62	1.0	24.5	
		25	12	23.58	23.59	23.69	1.0	24.5	
		25	25	23.58	23.71	23.74	1.0	24.5	
	16QAM	50	0	23.60	23.58	23.66	1.0	24.5	
		1	0	23.78	23.68	24.03	1.0	24.5	
		1	25	23.94	23.82	24.04	1.0	24.5	
		1	49	23.99	23.85	24.13	1.0	24.5	
		25	0	22.47	22.62	22.63	2.0	23.5	
		25	12	22.59	22.64	22.61	2.0	23.5	
	64QAM	25	25	22.59	22.77	22.72	2.0	23.5	
		50	0	22.56	22.64	22.68	2.0	23.5	
		1	0	22.58	22.68	22.76	2.0	23.5	
		1	25	22.72	22.79	22.87	2.0	23.5	
		1	49	22.73	22.82	22.78	2.0	23.5	
		25	0	21.49	21.57	21.65	3.0	22.5	
	256QAM	25	12	21.61	21.63	21.67	3.0	22.5	
		25	25	21.62	21.70	21.74	3.0	22.5	
		50	0	21.59	21.62	21.64	3.0	22.5	
		1	0	19.52	19.52	19.71	5.0	20.5	
		1	25	19.78	19.75	19.96	5.0	20.5	
		1	49	19.73	19.69	19.83	5.0	20.5	
5 MHz	QPSK	25	0	19.48	19.59	19.64	5.0	20.5	
		25	12	19.60	19.64	19.66	5.0	20.5	
		25	25	19.64	19.72	19.70	5.0	20.5	
		50	0	19.59	19.60	19.65	5.0	20.5	
		1	0	24.38	24.46	24.44	0.0	25.5	
		1	12	24.45	24.55	24.53	0.0	25.5	
	16QAM	1	24	24.38	24.39	24.44	0.0	25.5	
		12	0	23.37	23.39	23.38	1.0	24.5	
		12	7	23.42	23.41	23.47	1.0	24.5	
		12	13	23.39	23.47	23.40	1.0	24.5	
		25	0	23.37	23.40	23.41	1.0	24.5	
		1	0	23.86	23.82	23.78	1.0	24.5	
	64QAM	1	12	23.95	23.83	23.92	1.0	24.5	
		1	24	23.83	23.77	23.77	1.0	24.5	
		12	0	22.36	22.46	22.52	2.0	23.5	
		12	7	22.48	22.45	22.64	2.0	23.5	
		12	13	22.41	22.51	22.56	2.0	23.5	
		25	0	22.42	22.44	22.48	2.0	23.5	
	256QAM	1	0	22.51	22.51	22.56	2.0	23.5	
		1	12	22.61	22.61	22.65	2.0	23.5	
		1	24	22.49	22.46	22.52	2.0	23.5	
		12	0	21.36	21.38	21.35	3.0	22.5	
		12	7	21.45	21.38	21.44	3.0	22.5	
		12	13	21.38	21.44	21.41	3.0	22.5	
5 MHz	256QAM	25	0	21.39	21.34	21.39	3.0	22.5	
		1	0	19.54	19.46	19.50	5.0	20.5	
		1	12	19.68	19.58	19.65	5.0	20.5	
		1	24	19.53	19.45	19.47	5.0	20.5	
		12	0	19.35	19.37	19.38	5.0	20.5	
		12	7	19.46	19.37	19.45	5.0	20.5	
	5 MHz	256QAM	12	13	19.39	19.42	19.42	5.0	20.5
			25	0	19.38	19.36	19.42	5.0	20.5

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				23025	23095	23165		
				700.50 MHz	707.50 MHz	714.50 MHz		
3 MHz	QPSK	1	0	24.35	24.39	24.37	0.0	25.5
		1	8	24.45	24.49	24.44	0.0	25.5
		1	14	24.34	24.37	24.31	0.0	25.5
		8	0	23.39	23.34	23.36	1.0	24.5
		8	4	23.41	23.34	23.42	1.0	24.5
		8	7	23.37	23.41	23.40	1.0	24.5
	16QAM	15	0	23.39	23.37	23.40	1.0	24.5
		1	0	23.72	23.79	23.79	1.0	24.5
		1	8	23.86	23.79	23.93	1.0	24.5
		1	14	23.63	23.65	23.79	1.0	24.5
		8	0	22.52	22.44	22.37	2.0	23.5
		8	4	22.49	22.46	22.47	2.0	23.5
	64QAM	8	7	22.48	22.54	22.47	2.0	23.5
		15	0	22.41	22.35	22.48	2.0	23.5
		1	0	22.60	22.57	22.52	2.0	23.5
		1	8	22.72	22.68	22.63	2.0	23.5
		1	14	22.54	22.49	22.51	2.0	23.5
		8	0	21.44	21.38	21.37	3.0	22.5
	256QAM	8	4	21.40	21.38	21.47	3.0	22.5
		8	7	21.42	21.47	21.46	3.0	22.5
		15	0	21.36	21.35	21.43	3.0	22.5
		1	0	19.35	19.48	19.45	5.0	20.5
		1	8	19.56	19.63	19.62	5.0	20.5
		1	14	19.43	19.51	19.44	5.0	20.5
1.4 MHz	QPSK	8	0	19.41	19.37	19.37	5.0	20.5
		8	4	19.42	19.40	19.45	5.0	20.5
		8	7	19.40	19.47	19.44	5.0	20.5
		15	0	19.36	19.34	19.41	5.0	20.5
		1	0	24.26	24.36	24.34	0.0	25.5
		1	3	24.25	24.38	24.31	0.0	25.5
	16QAM	1	5	24.27	24.38	24.35	0.0	25.5
		3	0	24.26	24.34	24.31	0.0	25.5
		3	1	24.24	24.36	24.31	0.0	25.5
		3	3	24.25	24.36	24.26	0.0	25.5
		6	0	23.31	23.30	23.34	1.0	24.5
		1	0	23.48	23.67	23.58	1.0	24.5
	64QAM	1	3	23.52	23.67	23.56	1.0	24.5
		1	5	23.49	23.67	23.57	1.0	24.5
		3	0	23.42	23.49	23.47	1.0	24.5
		3	1	23.42	23.51	23.47	1.0	24.5
		3	3	23.44	23.51	23.46	1.0	24.5
		6	0	22.35	22.35	22.47	2.0	23.5
	256QAM	1	0	22.53	22.57	22.41	2.0	23.5
		1	3	22.51	22.59	22.47	2.0	23.5
		1	5	22.49	22.61	22.40	2.0	23.5
		3	0	22.36	22.37	22.46	2.0	23.5
		3	1	22.37	22.38	22.48	2.0	23.5
		3	3	22.38	22.41	22.46	2.0	23.5
QPSK	6	0	21.40	21.33	21.33	3.0	22.5	
	1	0	19.41	19.46	19.49	5.0	20.5	
	1	3	19.44	19.56	19.51	5.0	20.5	
	1	5	19.41	19.51	19.47	5.0	20.5	
	3	0	19.40	19.40	19.42	5.0	20.5	
	3	1	19.39	19.41	19.43	5.0	20.5	
16QAM	3	3	19.42	19.47	19.39	5.0	20.5	
	6	0	19.25	19.34	19.39	5.0	20.5	
	1	0	24.26	24.36	24.34	0.0	25.5	
	1	3	24.25	24.38	24.31	0.0	25.5	
	1	5	24.27	24.38	24.35	0.0	25.5	
	3	0	24.26	24.34	24.31	0.0	25.5	
64QAM	3	1	24.24	24.36	24.31	0.0	25.5	
	3	3	24.25	24.36	24.26	0.0	25.5	
	6	0	23.31	23.30	23.34	1.0	24.5	
	1	0	23.48	23.67	23.58	1.0	24.5	
	1	3	23.52	23.67	23.56	1.0	24.5	
	1	5	23.49	23.67	23.57	1.0	24.5	
256QAM	3	0	23.42	23.49	23.47	1.0	24.5	
	3	1	23.42	23.51	23.47	1.0	24.5	
	3	3	23.44	23.51	23.46	1.0	24.5	
	6	0	22.35	22.35	22.47	2.0	23.5	
	1	0	22.53	22.57	22.41	2.0	23.5	
	1	3	22.51	22.59	22.47	2.0	23.5	
QPSK	1	5	22.49	22.61	22.40	2.0	23.5	
	3	0	22.36	22.37	22.46	2.0	23.5	
	3	1	22.37	22.38	22.48	2.0	23.5	
	3	3	22.38	22.41	22.46	2.0	23.5	
	6	0	21.40	21.33	21.33	3.0	22.5	
	1	0	19.41	19.46	19.49	5.0	20.5	
16QAM	1	3	19.44	19.56	19.51	5.0	20.5	
	1	5	19.41	19.51	19.47	5.0	20.5	
	3	0	19.40	19.40	19.42	5.0	20.5	
	3	1	19.39	19.41	19.43	5.0	20.5	
	3	3	19.42	19.47	19.39	5.0	20.5	
	6	0	19.25	19.34	19.39	5.0	20.5	

LTE Band 12 (ANT D)

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)				
				Measured Pwr (dBm)			MPR	Tune-up Limit
				23060 704.00 MHz	23095 707.50 MHz	23130 711.00 MHz		
10 MHz	QPSK	1	0	24.50	24.51	24.71	0.0	25.5
		1	25	24.58	24.65	24.80	0.0	25.5
		1	49	24.58	24.63	24.68	0.0	25.5
		25	0	23.54	23.65	23.67	1.0	24.5
		25	12	23.65	23.69	23.72	1.0	24.5
		25	25	23.70	23.77	23.79	1.0	24.5
	16QAM	50	0	23.63	23.67	23.69	1.0	24.5
		1	0	23.66	23.78	23.99	1.0	24.5
		1	25	23.78	24.02	24.05	1.0	24.5
		1	49	23.82	23.95	23.99	1.0	24.5
		25	0	22.53	22.70	22.75	2.0	23.5
		25	12	22.67	22.76	22.77	2.0	23.5
	64QAM	25	25	22.76	22.82	22.81	2.0	23.5
		50	0	22.66	22.71	22.72	2.0	23.5
		1	0	22.72	22.71	22.83	2.0	23.5
		1	25	22.90	22.97	22.97	2.0	23.5
		1	49	22.84	22.88	22.96	2.0	23.5
		25	0	21.55	21.67	21.70	3.0	22.5
	256QAM	25	12	21.67	21.71	21.73	3.0	22.5
		25	25	21.75	21.78	21.78	3.0	22.5
		50	0	21.67	21.68	21.69	3.0	22.5
		1	0	19.63	19.74	19.77	5.0	20.5
		1	25	19.79	19.82	19.86	5.0	20.5
		1	49	19.67	19.84	19.82	5.0	20.5
5 MHz	QPSK	25	0	19.55	19.65	19.68	5.0	20.5
		25	12	19.66	19.67	19.69	5.0	20.5
		25	25	19.74	19.74	19.74	5.0	20.5
		50	0	19.65	19.65	19.67	5.0	20.5
		1	0	24.27	24.35	24.29	0.0	25.5
		1	12	24.37	24.43	24.36	0.0	25.5
	16QAM	1	24	24.23	24.28	24.28	0.0	25.5
		12	0	23.25	23.28	23.27	1.0	24.5
		12	7	23.34	23.30	23.36	1.0	24.5
		12	13	23.32	23.32	23.29	1.0	24.5
		25	0	23.27	23.27	23.30	1.0	24.5
		1	0	23.46	23.45	23.38	1.0	24.5
	64QAM	1	12	23.53	23.53	23.48	1.0	24.5
		1	24	23.47	23.44	23.38	1.0	24.5
		12	0	22.22	22.32	22.32	2.0	23.5
		12	7	22.32	22.32	22.38	2.0	23.5
		12	13	22.25	22.39	22.38	2.0	23.5
		25	0	22.31	22.25	22.33	2.0	23.5
	256QAM	1	0	22.39	22.46	22.53	2.0	23.5
		1	12	22.48	22.57	22.60	2.0	23.5
		1	24	22.35	22.41	22.50	2.0	23.5
		12	0	21.24	21.30	21.30	3.0	22.5
		12	7	21.33	21.31	21.36	3.0	22.5
		12	13	21.30	21.36	21.35	3.0	22.5
256QAM	25	0	21.32	21.25	21.35	3.0	22.5	
	1	0	19.40	19.43	19.45	5.0	20.5	
	1	12	19.48	19.63	19.59	5.0	20.5	
	1	24	19.38	19.46	19.40	5.0	20.5	
	12	0	19.25	19.29	19.27	5.0	20.5	
	12	7	19.35	19.31	19.34	5.0	20.5	
256QAM	12	13	19.33	19.33	19.34	5.0	20.5	
	25	0	19.29	19.25	19.36	5.0	20.5	

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				23025	23095	23165		
				700.50 MHz	707.50 MHz	714.50 MHz		
3 MHz	QPSK	1	0	24.27	24.35	24.29	0.0	25.5
		1	8	24.37	24.43	24.36	0.0	25.5
		1	14	24.23	24.28	24.28	0.0	25.5
		8	0	23.25	23.28	23.27	1.0	24.5
		8	4	23.34	23.30	23.36	1.0	24.5
		8	7	23.32	23.32	23.29	1.0	24.5
	16QAM	15	0	23.27	23.27	23.30	1.0	24.5
		1	0	23.46	23.45	23.38	1.0	24.5
		1	8	23.53	23.53	23.48	1.0	24.5
		1	14	23.47	23.44	23.38	1.0	24.5
		8	0	22.22	22.32	22.32	2.0	23.5
		8	4	22.32	22.32	22.38	2.0	23.5
	64QAM	8	7	22.25	22.39	22.38	2.0	23.5
		15	0	22.31	22.25	22.33	2.0	23.5
		1	0	22.39	22.46	22.53	2.0	23.5
		1	8	22.48	22.57	22.60	2.0	23.5
		1	14	22.35	22.41	22.50	2.0	23.5
		8	0	21.24	21.30	21.30	3.0	22.5
	256QAM	8	4	21.33	21.31	21.36	3.0	22.5
		8	7	21.30	21.36	21.35	3.0	22.5
		15	0	21.32	21.25	21.35	3.0	22.5
		1	0	19.40	19.43	19.45	5.0	20.5
		1	8	19.48	19.63	19.59	5.0	20.5
		1	14	19.38	19.46	19.40	5.0	20.5
1.4 MHz	QPSK	8	0	19.25	19.29	19.27	5.0	20.5
		8	4	19.35	19.31	19.34	5.0	20.5
		8	7	19.33	19.33	19.34	5.0	20.5
		15	0	19.29	19.25	19.36	5.0	20.5
		1	0	24.19	24.28	24.27	0.0	25.5
		1	3	24.15	24.27	24.27	0.0	25.5
	16QAM	1	5	24.15	24.32	24.27	0.0	25.5
		3	0	24.20	24.26	24.23	0.0	25.5
		3	1	24.19	24.26	24.22	0.0	25.5
		3	3	24.19	24.32	24.20	0.0	25.5
		6	0	23.20	23.25	23.27	1.0	24.5
		1	0	23.31	23.42	23.34	1.0	24.5
	64QAM	1	3	23.32	23.44	23.36	1.0	24.5
		1	5	23.26	23.46	23.30	1.0	24.5
		3	0	23.28	23.29	23.35	1.0	24.5
		3	1	23.26	23.24	23.38	1.0	24.5
		3	3	23.29	23.30	23.36	1.0	24.5
		6	0	22.28	22.30	22.43	2.0	23.5
	256QAM	1	0	22.41	22.38	22.44	2.0	23.5
		1	3	22.40	22.44	22.51	2.0	23.5
		1	5	22.38	22.45	22.45	2.0	23.5
		3	0	22.29	22.36	22.36	2.0	23.5
		3	1	22.30	22.36	22.39	2.0	23.5
		3	3	22.31	22.38	22.35	2.0	23.5
256QAM	6	0	21.16	21.21	21.36	3.0	22.5	
	1	0	19.39	19.34	19.42	5.0	20.5	
	1	3	19.37	19.40	19.44	5.0	20.5	
	1	5	19.39	19.39	19.38	5.0	20.5	
	3	0	19.33	19.26	19.35	5.0	20.5	
	3	1	19.32	19.27	19.34	5.0	20.5	
256QAM	3	3	19.31	19.31	19.32	5.0	20.5	
	6	0	19.23	19.36	19.22	5.0	20.5	

LTE Band 13 (ANT A)

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)					
				Measured Pwr (dBm)			MPR	Tune-up Limit	
					23230				
10 MHz	QPSK	1	0		23.30		0.0	25.0	
		1	25		23.32		0.0	25.0	
		1	49		23.22		0.0	25.0	
		25	0		22.34		1.0	24.0	
		25	12		22.33		1.0	24.0	
		25	25		22.29		1.0	24.0	
	16QAM	50	0		22.31		1.0	24.0	
		1	0		22.58		1.0	24.0	
		1	25		22.60		1.0	24.0	
		1	49		22.44		1.0	24.0	
		25	0		21.34		2.0	23.0	
		25	12		21.34		2.0	23.0	
	64QAM	25	25		21.30		2.0	23.0	
		50	0		21.30		2.0	23.0	
		1	0		21.45		2.0	23.0	
		1	25		21.41		2.0	23.0	
		1	49		21.35		2.0	23.0	
		25	0		20.34		3.0	22.0	
	256QAM	25	12		20.32		3.0	22.0	
		25	25		20.27		3.0	22.0	
		50	0		20.28		3.0	22.0	
		1	0		18.40		5.0	20.0	
		1	25		18.45		5.0	20.0	
		1	49		18.28		5.0	20.0	
	5 MHz	QPSK	25	0		18.30		5.0	20.0
			25	12		18.28		5.0	20.0
			25	25		18.26		5.0	20.0
			50	0		18.27		5.0	20.0
1			0		23.22	23.17	23.09	0.0	25.0
1			12		23.18	23.19	23.18	0.0	25.0
16QAM		1	24		23.09	23.08	23.09	0.0	25.0
		12	0		22.17	22.13	22.05	1.0	24.0
		12	7		22.11	22.16	22.07	1.0	24.0
		12	13		22.06	22.12	22.11	1.0	24.0
		25	0		22.07	22.13	22.03	1.0	24.0
		1	0		22.58	22.56	22.56	1.0	24.0
64QAM		1	12		22.53	22.60	22.59	1.0	24.0
		1	24		22.49	22.55	22.53	1.0	24.0
		12	0		21.17	21.17	21.17	2.0	23.0
		12	7		21.17	21.18	21.21	2.0	23.0
		12	13		21.09	21.12	21.25	2.0	23.0
		25	0		21.09	21.13	21.09	2.0	23.0
256QAM		1	0		21.35	21.44	21.22	2.0	23.0
		1	12		21.41	21.43	21.35	2.0	23.0
		1	24		21.32	21.36	21.22	2.0	23.0
		12	0		20.20	20.18	20.10	3.0	22.0
		12	7		20.18	20.21	20.10	3.0	22.0
		12	13		20.09	20.13	20.14	3.0	22.0
256QAM		25	0		20.13	20.15	20.05	3.0	22.0
		1	0		18.26	18.22	18.28	5.0	20.0
		1	12		18.32	18.26	18.41	5.0	20.0
		1	24		18.11	18.15	18.29	5.0	20.0
	12	0		18.19	18.17	18.08	5.0	20.0	
	12	7		18.13	18.18	18.11	5.0	20.0	
256QAM	12	13		18.07	18.11	18.13	5.0	20.0	
	25	0		18.09	18.11	18.06	5.0	20.0	

LTE Band 13 (ANT D)

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)					
				Measured Pwr (dBm)			MPR	Tune-up Limit	
				23230	782.00 MHz				
10 MHz	QPSK	1	0		23.00		0.0	25.0	
		1	25		22.95		0.0	25.0	
		1	49		22.87		0.0	25.0	
		25	0		22.01		1.0	24.0	
		25	12		21.97		1.0	24.0	
		25	25		21.95		1.0	24.0	
	16QAM	50	0		21.98		1.0	24.0	
		1	0		22.27		1.0	24.0	
		1	25		22.19		1.0	24.0	
		1	49		22.10		1.0	24.0	
		25	0		21.04		2.0	23.0	
		25	12		21.04		2.0	23.0	
	64QAM	25	25		20.98		2.0	23.0	
		50	0		20.99		2.0	23.0	
		1	0		21.11		2.0	23.0	
		1	25		21.06		2.0	23.0	
		1	49		21.04		2.0	23.0	
		25	0		20.04		3.0	22.0	
	256QAM	25	12		20.00		3.0	22.0	
		25	25		19.91		3.0	22.0	
		50	0		19.98		3.0	22.0	
		1	0		18.11		5.0	20.0	
		1	25		18.17		5.0	20.0	
		1	49		17.96		5.0	20.0	
5 MHz	QPSK	25	0		18.00		5.0	20.0	
		25	12		18.01		5.0	20.0	
		25	25		17.96		5.0	20.0	
		50	0		17.96		5.0	20.0	
		1	0		23.29	23.24	23.11	0.0	25.0
		1	12		23.32	23.22	23.21	0.0	25.0
	16QAM	1	24		23.20	23.17	23.11	0.0	25.0
		12	0		22.28	22.20	22.09	1.0	24.0
		12	7		22.28	22.22	22.12	1.0	24.0
		12	13		22.14	22.13	22.16	1.0	24.0
		25	0		22.22	22.18	22.10	1.0	24.0
		1	0		22.52	22.36	22.35	1.0	24.0
	64QAM	1	12		22.54	22.35	22.34	1.0	24.0
		1	24		22.45	22.28	22.25	1.0	24.0
		12	0		21.29	21.21	21.19	2.0	23.0
		12	7		21.32	21.22	21.21	2.0	23.0
		12	13		21.17	21.19	21.22	2.0	23.0
		25	0		21.25	21.18	21.09	2.0	23.0
	256QAM	1	0		21.37	21.30	21.42	2.0	23.0
		1	12		21.39	21.36	21.45	2.0	23.0
		1	24		21.31	21.27	21.28	2.0	23.0
		12	0		20.14	20.23	20.25	3.0	22.0
		12	7		20.17	20.27	20.27	3.0	22.0
		12	13		20.18	20.18	20.16	3.0	22.0
256QAM	25	0		20.10	20.22	20.25	3.0	22.0	
	1	0		18.26	18.35	18.42	5.0	20.0	
	1	12		18.35	18.40	18.47	5.0	20.0	
	1	24		18.21	18.26	18.25	5.0	20.0	
	12	0		18.10	18.22	18.24	5.0	20.0	
	12	7		18.13	18.24	18.29	5.0	20.0	
256QAM	12	13		18.17	18.20	18.13	5.0	20.0	
	25	0		18.08	18.16	18.21	5.0	20.0	

LTE Band 41 (PC2) (ANT B)

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)				
				Measured Pwr (dBm)			MPR	Tune-up Limit
				20850 2510.00 MHz	21100 2535.00 MHz	21350 2560.00 MHz		
20 MHz	QPSK	1	0	25.83	25.64	25.52	0.0	26.5
		1	49	25.81	25.79	25.73	0.0	26.5
		1	99	25.79	25.67	25.52	0.0	26.5
		50	0	24.79	24.66	24.58	1.0	25.5
		50	24	24.85	24.81	24.70	1.0	25.5
		50	50	24.82	24.80	24.70	1.0	25.5
	16QAM	100	0	24.82	24.78	24.59	1.0	25.5
		1	0	25.29	25.02	24.91	1.0	25.5
		1	49	25.27	25.38	25.09	1.0	25.5
		1	99	25.18	25.23	24.91	1.0	25.5
		50	0	23.84	23.70	23.63	2.0	24.5
		50	24	23.88	23.81	23.72	2.0	24.5
	64QAM	50	50	23.88	23.82	23.72	2.0	24.5
		100	0	23.87	23.81	23.59	2.0	24.5
		1	0	24.21	23.94	23.95	2.0	24.5
		1	49	24.31	24.14	24.15	2.0	24.5
		1	99	24.29	24.06	24.08	2.0	24.5
		50	0	22.97	22.88	22.78	3.0	23.5
	256QAM	50	24	23.03	22.98	22.83	3.0	23.5
		50	50	23.03	22.96	22.88	3.0	23.5
		100	0	23.00	22.95	22.76	3.0	23.5
		1	0	20.73	20.72	20.98	5.0	21.5
		1	49	20.93	21.01	21.06	5.0	21.5
		1	99	20.80	20.88	20.98	5.0	21.5
15 MHz	QPSK	50	0	20.55	20.71	20.77	5.0	21.5
		50	24	20.69	20.81	20.85	5.0	21.5
		50	50	20.66	20.75	20.83	5.0	21.5
		100	0	20.56	20.79	20.85	5.0	21.5
		1	0	25.83	25.84	25.76	0.0	26.5
		1	37	25.77	25.91	25.66	0.0	26.5
	16QAM	1	74	25.75	25.83	25.60	0.0	26.5
		36	0	24.83	24.77	24.71	1.0	25.5
		36	20	24.94	24.88	24.75	1.0	25.5
		36	39	24.89	24.85	24.74	1.0	25.5
		75	0	24.88	24.86	24.74	1.0	25.5
		1	0	25.37	25.15	25.03	1.0	25.5
	64QAM	1	37	25.13	25.24	25.20	1.0	25.5
		1	74	25.19	25.17	24.95	1.0	25.5
		36	0	23.91	23.82	23.80	2.0	24.5
		36	20	23.97	23.96	23.81	2.0	24.5
		36	39	23.95	23.89	23.78	2.0	24.5
		75	0	23.97	23.87	23.76	2.0	24.5
	256QAM	1	0	23.86	23.63	23.56	2.0	24.5
		1	37	23.86	23.76	23.81	2.0	24.5
		1	74	23.74	23.65	23.59	2.0	24.5
		36	0	22.64	22.60	22.73	3.0	23.5
		36	20	22.71	22.67	22.56	3.0	23.5
		36	39	22.71	22.63	22.55	3.0	23.5
QPSK	75	0	22.67	22.64	22.53	3.0	23.5	
	1	0	20.96	20.83	20.81	5.0	21.5	
	1	37	20.97	21.01	20.94	5.0	21.5	
	1	74	20.97	21.00	20.82	5.0	21.5	
	36	0	20.82	20.81	20.76	5.0	21.5	
	36	20	20.92	20.92	20.78	5.0	21.5	
16QAM	36	39	20.91	20.90	20.80	5.0	21.5	
	75	0	20.94	20.88	20.75	5.0	21.5	

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	
				20800	21100	21400			
				2505.00 MHz	2535.00 MHz	2565.00 MHz			
10 MHz	QPSK	1	0	25.93	25.77	25.59	0.0	26.5	
		1	25	25.77	25.89	25.69	0.0	26.5	
		1	49	25.72	25.83	25.63	0.0	26.5	
		25	0	24.93	24.84	24.75	1.0	25.5	
		25	12	24.98	24.93	24.77	1.0	25.5	
		25	25	24.93	24.87	24.82	1.0	25.5	
	16QAM	50	0	24.96	24.86	24.77	1.0	25.5	
		1	0	25.16	25.01	24.90	1.0	25.5	
		1	25	25.29	25.26	25.10	1.0	25.5	
		1	49	25.19	25.26	25.03	1.0	25.5	
		25	0	24.02	23.88	23.81	2.0	24.5	
		25	12	23.96	23.89	23.88	2.0	24.5	
	64QAM	25	25	23.98	23.93	23.85	2.0	24.5	
		50	0	24.01	23.89	23.79	2.0	24.5	
		1	0	24.24	23.77	23.80	2.0	24.5	
		1	25	24.05	23.87	23.97	2.0	24.5	
		1	49	24.01	23.59	23.88	2.0	24.5	
		25	0	22.76	22.71	22.60	3.0	23.5	
	256QAM	25	12	22.80	22.78	22.63	3.0	23.5	
		25	25	22.73	22.80	22.64	3.0	23.5	
		50	0	22.72	22.79	22.64	3.0	23.5	
		1	0	21.03	21.01	20.70	5.0	21.5	
		1	25	21.16	21.11	20.85	5.0	21.5	
		1	49	20.88	20.99	20.84	5.0	21.5	
	5 MHz	QPSK	25	0	20.90	20.83	20.74	5.0	21.5
25			12	20.99	20.87	20.79	5.0	21.5	
25			25	20.96	20.86	20.80	5.0	21.5	
50			0	20.93	20.89	20.80	5.0	21.5	
16QAM			1	0	25.94	25.84	25.66	0.0	26.5
			1	12	25.96	25.94	25.77	0.0	26.5
		1	24	25.81	25.80	25.66	0.0	26.5	
		12	0	24.97	24.97	24.75	1.0	25.5	
		12	7	25.00	24.94	24.77	1.0	25.5	
		12	13	25.01	24.94	24.73	1.0	25.5	
64QAM		25	0	25.02	24.90	24.73	1.0	25.5	
		1	0	25.32	25.28	25.22	1.0	25.5	
		1	12	25.31	25.42	25.23	1.0	25.5	
		1	24	25.31	25.30	25.20	1.0	25.5	
		12	0	23.99	24.02	23.93	2.0	24.5	
		12	7	24.03	24.00	23.92	2.0	24.5	
256QAM		12	13	23.93	23.98	23.93	2.0	24.5	
		25	0	24.03	23.96	23.82	2.0	24.5	
		1	0	23.92	23.93	23.81	2.0	24.5	
		1	12	24.05	24.08	23.90	2.0	24.5	
		1	24	23.93	23.97	23.74	2.0	24.5	
		12	0	22.91	22.85	22.70	3.0	23.5	
16QAM		12	7	22.88	22.87	22.67	3.0	23.5	
		12	13	22.87	22.80	22.64	3.0	23.5	
		25	0	22.86	22.79	22.64	3.0	23.5	
	1	0	21.08	20.96	20.86	5.0	21.5		
	1	12	21.14	21.07	20.90	5.0	21.5		
	1	24	21.02	21.02	20.79	5.0	21.5		
	12	0	21.00	20.92	20.74	5.0	21.5		
	12	7	21.05	20.90	20.81	5.0	21.5		
	12	13	21.00	20.92	20.76	5.0	21.5		
25	0	20.98	20.92	20.82	5.0	21.5			

LTE Band 41 (PC2) (ANT E)

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)				
				Measured Pwr (dBm)			MPR	Tune-up Limit
				20850 2510.00 MHz	21100 2535.00 MHz	21350 2560.00 MHz		
20 MHz	QPSK	1	0	26.08	25.66	25.62	0.0	27.0
		1	49	26.10	25.79	25.64	0.0	27.0
		1	99	26.01	25.72	25.49	0.0	27.0
		50	0	25.12	24.80	24.61	1.0	26.0
		50	24	25.18	24.87	24.70	1.0	26.0
		50	50	25.10	24.86	24.10	1.0	26.0
	16QAM	100	0	25.08	24.86	24.68	1.0	26.0
		1	0	25.51	25.12	25.11	1.0	26.0
		1	49	25.43	25.12	24.81	1.0	26.0
		1	99	25.39	25.06	23.82	1.0	26.0
		50	0	24.12	23.83	23.67	2.0	25.0
		50	24	24.17	23.90	23.72	2.0	25.0
	64QAM	50	50	24.13	23.89	23.16	2.0	25.0
		100	0	24.12	23.86	23.75	2.0	25.0
		1	0	24.41	24.04	23.73	2.0	25.0
		1	49	24.35	24.12	23.79	2.0	25.0
		1	99	24.39	24.02	22.63	2.0	25.0
		50	0	23.27	22.85	22.65	3.0	24.0
	256QAM	50	24	23.24	22.95	22.75	3.0	24.0
		50	50	23.21	22.92	22.34	3.0	24.0
		100	0	23.18	22.91	22.75	3.0	24.0
		1	0	21.13	20.72	20.66	5.0	22.0
		1	49	21.22	20.96	20.82	5.0	22.0
		1	99	21.03	20.83	20.22	5.0	22.0
15 MHz	QPSK	50	0	21.13	20.81	20.69	5.0	22.0
		50	24	21.17	20.90	20.78	5.0	22.0
		50	50	21.10	20.86	20.61	5.0	22.0
		100	0	21.10	20.88	20.74	5.0	22.0
		1	0	25.73	25.43	25.27	0.0	27.0
		1	37	25.78	25.52	25.29	0.0	27.0
	16QAM	1	74	25.74	25.48	24.62	0.0	27.0
		36	0	24.72	24.47	24.27	1.0	26.0
		36	20	24.73	24.57	24.29	1.0	26.0
		36	39	24.73	24.55	24.19	1.0	26.0
		75	0	24.72	24.53	24.26	1.0	26.0
		1	0	25.03	24.83	24.53	1.0	26.0
	64QAM	1	37	25.03	24.88	24.61	1.0	26.0
		1	74	25.04	24.84	23.88	1.0	26.0
		36	0	23.80	23.52	23.34	2.0	25.0
		36	20	23.80	23.64	23.37	2.0	25.0
		36	39	23.79	23.61	23.30	2.0	25.0
		75	0	23.76	23.60	23.33	2.0	25.0
	256QAM	1	0	24.01	23.71	23.44	2.0	25.0
		1	37	24.04	23.94	23.47	2.0	25.0
		1	74	24.01	23.80	22.80	2.0	25.0
		36	0	22.81	22.55	22.30	3.0	24.0
		36	20	22.81	22.69	22.34	3.0	24.0
		36	39	22.80	22.63	22.29	3.0	24.0
QPSK	75	0	22.78	22.60	22.31	3.0	24.0	
	1	0	20.80	20.61	20.41	5.0	22.0	
	1	37	20.97	20.77	20.48	5.0	22.0	
	1	74	20.90	20.67	20.39	5.0	22.0	
	36	0	20.76	20.54	20.31	5.0	22.0	
	36	20	20.80	20.64	20.35	5.0	22.0	
16QAM	36	39	20.77	20.60	20.32	5.0	22.0	
	75	0	20.77	20.61	20.33	5.0	22.0	

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	
				20800	21100	21400			
				2505.00 MHz	2535.00 MHz	2565.00 MHz			
10 MHz	QPSK	1	0	25.76	25.42	25.31	0.0	27.0	
		1	25	25.76	25.55	25.27	0.0	27.0	
		1	49	25.71	25.41	24.51	0.0	27.0	
		25	0	24.78	24.49	24.26	1.0	26.0	
		25	12	24.78	24.61	24.29	1.0	26.0	
		25	25	24.77	24.61	23.94	1.0	26.0	
	16QAM	50	0	24.76	24.57	24.22	1.0	26.0	
		1	0	25.09	24.83	24.58	1.0	26.0	
		1	25	25.11	24.93	24.48	1.0	26.0	
		1	49	25.07	24.81	23.75	1.0	26.0	
		25	0	23.76	23.55	23.34	2.0	25.0	
		25	12	23.81	23.66	23.35	2.0	25.0	
	64QAM	25	25	23.75	23.63	23.06	2.0	25.0	
		50	0	23.77	23.63	23.31	2.0	25.0	
		1	0	24.08	23.77	23.49	2.0	25.0	
		1	25	24.07	23.85	23.58	2.0	25.0	
		1	49	24.01	23.68	22.84	2.0	25.0	
		25	0	22.83	22.58	22.36	3.0	24.0	
	256QAM	25	12	22.83	22.71	22.42	3.0	24.0	
		25	25	22.87	22.68	22.22	3.0	24.0	
		50	0	22.87	22.67	22.36	3.0	24.0	
		1	0	20.77	20.64	20.47	5.0	22.0	
		1	25	20.87	20.71	20.53	5.0	22.0	
		1	49	20.74	20.69	20.35	5.0	22.0	
	5 MHz	QPSK	25	0	20.78	20.56	20.33	5.0	22.0
25			12	20.81	20.66	20.37	5.0	22.0	
25			25	20.81	20.62	20.34	5.0	22.0	
50			0	20.78	20.61	20.33	5.0	22.0	
16QAM			1	0	25.76	25.56	25.21	0.0	27.0
			1	12	25.81	25.65	24.87	0.0	27.0
		1	24	25.74	25.54	24.52	0.0	27.0	
		12	0	24.78	24.55	24.06	1.0	26.0	
		12	7	24.80	24.65	23.94	1.0	26.0	
		12	13	24.79	24.61	23.78	1.0	26.0	
64QAM		25	0	24.75	24.58	23.85	1.0	26.0	
		1	0	25.15	24.94	24.25	1.0	26.0	
		1	12	25.25	24.96	24.09	1.0	26.0	
		1	24	25.10	24.93	23.69	1.0	26.0	
		12	0	23.78	23.66	23.10	2.0	25.0	
		12	7	23.85	23.74	23.02	2.0	25.0	
256QAM		12	13	23.79	23.73	22.88	2.0	25.0	
		25	0	23.81	23.60	22.97	2.0	25.0	
		1	0	23.98	23.86	23.43	2.0	25.0	
		1	12	23.93	23.75	23.40	2.0	25.0	
		1	24	23.92	23.74	22.87	2.0	25.0	
		12	0	22.81	22.63	22.41	3.0	24.0	
QPSK		12	7	22.86	22.69	22.40	3.0	24.0	
		12	13	22.78	22.63	22.16	3.0	24.0	
		25	0	22.77	22.58	22.56	3.0	24.0	
	1	0	20.89	20.72	20.44	5.0	22.0		
	1	12	21.00	20.81	20.54	5.0	22.0		
	1	24	20.80	20.66	20.25	5.0	22.0		
	12	0	20.81	20.58	20.34	5.0	22.0		
	12	7	20.81	20.66	20.34	5.0	22.0		
	12	13	20.82	20.62	20.32	5.0	22.0		
25	0	20.76	20.63	20.33	5.0	22.0			

LTE Band 66 (ANT B)

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)				
				Measured Pwr (dBm)			MPR	Tune-up Limit
				132072 1720.00 MHz	132322 1745.00 MHz	132572 1770.00 MHz		
20 MHz	QPSK	1	0	23.68	23.67	23.78	0.0	24.5
		1	49	23.79	23.67	23.76	0.0	24.5
		1	99	23.60	23.58	23.73	0.0	24.5
		50	0	22.78	22.73	22.86	1.0	23.5
		50	24	22.89	22.70	22.84	1.0	23.5
		50	50	22.70	22.67	22.85	1.0	23.5
	16QAM	100	0	22.73	22.70	22.88	1.0	23.5
		1	0	23.14	23.15	23.12	1.0	23.5
		1	49	23.10	23.13	23.23	1.0	23.5
		1	99	23.01	23.00	23.23	1.0	23.5
		50	0	21.75	21.74	21.83	2.0	22.5
		50	24	21.73	21.75	21.88	2.0	22.5
	64QAM	50	50	21.70	21.72	21.86	2.0	22.5
		100	0	21.73	21.71	21.86	2.0	22.5
		1	0	21.95	21.87	21.92	2.0	22.5
		1	49	22.07	21.89	21.98	2.0	22.5
		1	99	21.98	21.81	21.95	2.0	22.5
		50	0	20.89	20.76	20.75	3.0	21.5
	256QAM	50	24	20.88	20.75	20.86	3.0	21.5
		50	50	20.77	20.71	20.85	3.0	21.5
		100	0	20.86	20.72	20.84	3.0	21.5
		1	0	18.98	18.75	18.93	5.0	19.5
		1	49	19.01	18.74	19.07	5.0	19.5
		1	99	18.86	18.68	18.99	5.0	19.5
15 MHz	QPSK	50	0	18.86	18.73	18.73	5.0	19.5
		50	24	18.89	18.75	18.85	5.0	19.5
		50	50	18.75	18.72	18.80	5.0	19.5
		100	0	18.85	18.72	18.82	5.0	19.5
		1	0	23.79	23.73	23.75	0.0	24.5
		1	37	23.80	23.71	23.75	0.0	24.5
	16QAM	1	74	23.71	23.64	23.69	0.0	24.5
		36	0	22.68	22.66	22.74	1.0	23.5
		36	20	22.78	22.65	22.73	1.0	23.5
		36	39	22.73	22.72	22.79	1.0	23.5
		75	0	22.76	22.73	22.73	1.0	23.5
		1	0	23.08	22.99	23.08	1.0	23.5
	64QAM	1	37	23.05	22.89	23.07	1.0	23.5
		1	74	22.97	22.84	23.03	1.0	23.5
		36	0	21.74	21.72	21.79	2.0	22.5
		36	20	21.84	21.74	21.79	2.0	22.5
		36	39	21.80	21.77	21.84	2.0	22.5
		75	0	21.78	21.76	21.78	2.0	22.5
	256QAM	1	0	22.00	21.96	21.96	2.0	22.5
		1	37	21.89	21.93	21.99	2.0	22.5
		1	74	21.92	21.82	21.92	2.0	22.5
		36	0	20.71	20.72	20.79	3.0	21.5
		36	20	20.81	20.71	20.80	3.0	21.5
		36	39	20.77	20.76	20.83	3.0	21.5
QPSK	75	0	20.78	20.75	20.76	3.0	21.5	
	1	0	18.87	18.77	18.94	5.0	19.5	
	1	37	18.92	18.82	19.02	5.0	19.5	
	1	74	18.87	18.73	18.94	5.0	19.5	
	36	0	18.70	18.68	18.79	5.0	19.5	
	36	20	18.78	18.66	18.77	5.0	19.5	
16QAM	36	39	18.76	18.74	18.82	5.0	19.5	
	75	0	18.77	18.74	18.76	5.0	19.5	

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	
				132022	132322	132622			
				1715.00 MHz	1745.00 MHz	1775.00 MHz			
10 MHz	QPSK	1	0	23.68	23.68	23.73	0.0	24.5	
		1	25	23.79	23.75	23.81	0.0	24.5	
		1	49	23.68	23.64	23.68	0.0	24.5	
		25	0	22.79	22.73	22.79	1.0	23.5	
		25	12	22.84	22.81	22.83	1.0	23.5	
		25	25	22.81	22.78	22.88	1.0	23.5	
	16QAM	50	0	21.78	21.80	21.78	1.0	23.5	
		1	0	22.99	22.95	23.01	1.0	23.5	
		1	25	23.13	22.92	23.09	1.0	23.5	
		1	49	22.96	22.85	23.18	1.0	23.5	
		25	0	21.87	21.77	21.83	2.0	22.5	
		25	12	21.89	21.82	21.83	2.0	22.5	
	64QAM	25	25	21.86	21.82	21.88	2.0	22.5	
		50	0	21.81	21.82	21.82	2.0	22.5	
		1	0	21.91	21.88	21.95	2.0	22.5	
		1	25	22.00	21.91	22.02	2.0	22.5	
		1	49	21.87	21.79	21.93	2.0	22.5	
		25	0	20.80	20.70	20.79	3.0	21.5	
	256QAM	25	12	20.82	20.80	20.81	3.0	21.5	
		25	25	20.82	20.76	20.89	3.0	21.5	
		50	0	20.82	20.77	20.78	3.0	21.5	
		1	0	18.82	18.78	18.85	5.0	19.5	
		1	25	18.92	18.98	19.00	5.0	19.5	
		1	49	18.80	18.76	18.86	5.0	19.5	
5 MHz	QPSK	25	0	18.77	18.67	18.80	5.0	19.5	
		25	12	18.80	18.77	18.78	5.0	19.5	
		25	25	18.81	18.76	18.84	5.0	19.5	
		50	0	18.80	18.78	18.81	5.0	19.5	
		16QAM	1	0	23.77	23.77	23.82	0.0	24.5
			1	12	23.85	23.84	23.94	0.0	24.5
	1		24	23.74	23.76	23.78	0.0	24.5	
	12		0	22.79	22.72	22.79	1.0	23.5	
	12		7	22.85	22.82	22.83	1.0	23.5	
	12		13	22.81	22.78	22.89	1.0	23.5	
	64QAM	25	0	22.81	22.76	22.76	1.0	23.5	
		1	0	23.26	23.12	23.40	1.0	23.5	
		1	12	23.36	23.14	23.36	1.0	23.5	
		1	24	23.21	23.17	23.22	1.0	23.5	
		12	0	21.95	21.82	21.87	2.0	22.5	
		12	7	22.01	21.94	21.90	2.0	22.5	
	256QAM	12	13	21.95	21.87	21.94	2.0	22.5	
		25	0	21.80	21.80	21.79	2.0	22.5	
		1	0	21.95	21.86	22.02	2.0	22.5	
		1	12	21.99	21.96	22.07	2.0	22.5	
		1	24	21.88	21.91	21.98	2.0	22.5	
		12	0	20.86	20.73	20.83	3.0	21.5	
	QPSK	12	7	20.89	20.84	20.87	3.0	21.5	
		12	13	20.84	20.80	20.90	3.0	21.5	
25		0	20.82	20.79	20.82	3.0	21.5		
1		0	18.97	18.82	18.89	5.0	19.5		
1		12	19.03	18.97	19.05	5.0	19.5		
1		24	18.98	18.85	18.89	5.0	19.5		
16QAM	12	0	18.83	18.70	18.80	5.0	19.5		
	12	7	18.88	18.83	18.82	5.0	19.5		
	12	13	18.84	18.79	18.87	5.0	19.5		
	25	0	18.80	18.79	18.80	5.0	19.5		
	64QAM	1	0	18.80	18.78	18.81	5.0	19.5	
		1	25	18.82	18.78	18.85	5.0	19.5	
1		49	18.80	18.76	18.86	5.0	19.5		
25		0	18.77	18.67	18.80	5.0	19.5		
25		12	18.80	18.77	18.78	5.0	19.5		
25		25	18.81	18.76	18.84	5.0	19.5		

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				131987	132322	132657		
				1711.50 MHz	1745.00 MHz	1778.50 MHz		
3 MHz	QPSK	1	0	23.72	23.66	23.74	0.0	24.5
		1	8	23.88	23.80	23.90	0.0	24.5
		1	14	23.68	23.65	23.73	0.0	24.5
		8	0	22.77	22.71	22.80	1.0	23.5
		8	4	22.82	22.79	22.80	1.0	23.5
		8	7	22.83	22.79	22.81	1.0	23.5
	16QAM	15	0	22.80	22.79	22.79	1.0	23.5
		1	0	23.08	23.04	23.26	1.0	23.5
		1	8	23.20	23.10	23.35	1.0	23.5
		1	14	23.10	22.98	23.24	1.0	23.5
		8	0	21.88	21.74	21.91	2.0	22.5
		8	4	21.93	21.82	21.96	2.0	22.5
	64QAM	8	7	21.90	21.82	21.93	2.0	22.5
		15	0	21.89	21.82	21.82	2.0	22.5
		1	0	21.88	21.92	21.94	2.0	22.5
		1	8	22.07	22.11	22.13	2.0	22.5
		1	14	21.99	21.92	21.89	2.0	22.5
		8	0	20.80	20.72	20.85	3.0	21.5
	256QAM	8	4	20.89	20.83	20.85	3.0	21.5
		8	7	20.89	20.83	20.89	3.0	21.5
		15	0	20.85	20.83	20.84	3.0	21.5
		1	0	18.87	18.68	18.92	5.0	19.5
		1	8	19.00	18.95	19.15	5.0	19.5
		1	14	18.90	18.78	18.99	5.0	19.5
1.4 MHz	QPSK	8	0	18.83	18.71	18.83	5.0	19.5
		8	4	18.88	18.80	18.89	5.0	19.5
		8	7	18.84	18.82	18.84	5.0	19.5
		15	0	18.81	18.78	18.82	5.0	19.5
		1	0	23.75	23.71	23.80	0.0	24.5
		1	3	23.73	23.72	23.79	0.0	24.5
	16QAM	1	5	23.71	23.71	23.78	0.0	24.5
		3	0	23.73	23.66	23.79	0.0	24.5
		3	1	23.73	23.69	23.76	0.0	24.5
		3	3	23.70	23.68	23.79	0.0	24.5
		6	0	22.74	22.71	22.81	1.0	23.5
		1	0	23.12	22.92	23.15	1.0	23.5
	64QAM	1	3	23.10	22.81	23.16	1.0	23.5
		1	5	23.05	22.89	23.12	1.0	23.5
		3	0	22.89	22.84	22.97	1.0	23.5
		3	1	22.84	22.83	22.92	1.0	23.5
		3	3	22.89	22.80	22.97	1.0	23.5
		6	0	21.81	21.78	21.89	2.0	22.5
	256QAM	1	0	21.94	21.92	22.04	2.0	22.5
		1	3	21.96	21.94	22.08	2.0	22.5
		1	5	21.96	21.87	22.03	2.0	22.5
		3	0	21.90	21.79	21.88	2.0	22.5
		3	1	21.84	21.82	21.91	2.0	22.5
		3	3	21.86	21.79	21.90	2.0	22.5
QPSK	6	0	20.79	20.75	20.85	3.0	21.5	
	1	0	19.03	18.90	18.96	5.0	19.5	
	1	3	18.85	18.86	18.93	5.0	19.5	
	1	5	18.86	18.86	18.91	5.0	19.5	
	3	0	18.87	18.79	18.87	5.0	19.5	
	3	1	18.85	18.79	18.88	5.0	19.5	
16QAM	3	3	18.86	18.79	18.89	5.0	19.5	
	6	0	18.77	18.64	18.83	5.0	19.5	
	1	0	23.75	23.71	23.80	0.0	24.5	
	1	3	23.73	23.72	23.79	0.0	24.5	
	1	5	23.71	23.71	23.78	0.0	24.5	
	3	0	23.73	23.66	23.79	0.0	24.5	
64QAM	3	1	23.73	23.69	23.76	0.0	24.5	
	3	3	23.70	23.68	23.79	0.0	24.5	
	6	0	22.74	22.71	22.81	1.0	23.5	
	1	0	23.12	22.92	23.15	1.0	23.5	
	1	3	23.10	22.81	23.16	1.0	23.5	
	1	5	23.05	22.89	23.12	1.0	23.5	
256QAM	3	0	22.89	22.84	22.97	1.0	23.5	
	3	1	22.84	22.83	22.92	1.0	23.5	
	3	3	22.89	22.80	22.97	1.0	23.5	
	6	0	21.81	21.78	21.89	2.0	22.5	
	1	0	21.94	21.92	22.04	2.0	22.5	
	1	3	21.96	21.94	22.08	2.0	22.5	
QPSK	1	5	21.96	21.87	22.03	2.0	22.5	
	3	0	21.90	21.79	21.88	2.0	22.5	
	3	1	21.84	21.82	21.91	2.0	22.5	
	3	3	21.86	21.79	21.90	2.0	22.5	
	6	0	20.79	20.75	20.85	3.0	21.5	
	1	0	19.03	18.90	18.96	5.0	19.5	
16QAM	1	3	18.85	18.86	18.93	5.0	19.5	
	1	5	18.86	18.86	18.91	5.0	19.5	
	3	0	18.87	18.79	18.87	5.0	19.5	
	3	1	18.85	18.79	18.88	5.0	19.5	
	3	3	18.86	18.79	18.89	5.0	19.5	
	6	0	18.77	18.64	18.83	5.0	19.5	

LTE Band 66 (ANT E)

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)				
				Measured Pwr (dBm)			MPR	Tune-up Limit
				132072 1720.00 MHz	132322 1745.00 MHz	132572 1770.00 MHz		
20 MHz	QPSK	1	0	23.37	23.21	23.33	0.0	24.5
		1	49	23.32	23.29	23.35	0.0	24.5
		1	99	23.30	23.23	23.33	0.0	24.5
		50	0	22.42	22.32	22.40	1.0	23.5
		50	24	22.37	22.35	22.39	1.0	23.5
		50	50	22.29	22.30	22.39	1.0	23.5
	16QAM	100	0	22.38	22.32	22.37	1.0	23.5
		1	0	22.71	22.64	22.56	1.0	23.5
		1	49	22.76	22.62	22.64	1.0	23.5
		1	99	22.71	22.56	22.61	1.0	23.5
		50	0	21.40	21.34	21.41	2.0	22.5
		50	24	21.43	21.36	21.41	2.0	22.5
	64QAM	50	50	21.32	21.33	21.38	2.0	22.5
		100	0	21.41	21.34	21.38	2.0	22.5
		1	0	21.47	21.39	21.38	2.0	22.5
		1	49	21.50	21.46	21.42	2.0	22.5
		1	99	21.28	21.30	21.41	2.0	22.5
		50	0	20.33	20.20	20.30	3.0	21.5
	256QAM	50	24	20.32	20.24	20.31	3.0	21.5
		50	50	20.25	20.22	20.27	3.0	21.5
		100	0	20.33	20.20	20.29	3.0	21.5
		1	0	18.53	18.30	18.46	5.0	19.5
		1	49	18.59	18.32	18.52	5.0	19.5
		1	99	18.43	18.29	18.49	5.0	19.5
15 MHz	QPSK	50	0	18.34	18.25	18.34	5.0	19.5
		50	24	18.35	18.28	18.35	5.0	19.5
		50	50	18.26	18.24	18.30	5.0	19.5
		100	0	18.32	18.24	18.33	5.0	19.5
		1	0	23.69	23.44	23.44	0.0	24.5
		1	37	23.65	23.40	23.47	0.0	24.5
	16QAM	1	74	23.54	23.36	23.48	0.0	24.5
		36	0	22.68	22.42	22.46	1.0	23.5
		36	20	22.66	22.44	22.46	1.0	23.5
		36	39	22.57	22.41	22.46	1.0	23.5
		75	0	22.55	22.42	22.47	1.0	23.5
		1	0	22.94	22.77	22.72	1.0	23.5
	64QAM	1	37	22.86	22.74	22.73	1.0	23.5
		1	74	22.81	22.65	22.75	1.0	23.5
		36	0	21.70	21.47	21.51	2.0	22.5
		36	20	21.73	21.46	21.54	2.0	22.5
		36	39	21.60	21.46	21.51	2.0	22.5
		75	0	21.60	21.44	21.49	2.0	22.5
	256QAM	1	0	21.85	21.58	21.63	2.0	22.5
		1	37	21.86	21.56	21.73	2.0	22.5
		1	74	21.76	21.46	21.67	2.0	22.5
		36	0	20.70	20.44	20.46	3.0	21.5
		36	20	20.71	20.45	20.50	3.0	21.5
		36	39	20.60	20.44	20.49	3.0	21.5
256QAM	75	0	20.60	20.42	20.46	3.0	21.5	
	1	0	18.78	18.59	18.64	5.0	19.5	
	1	37	18.74	18.56	18.64	5.0	19.5	
	1	74	18.60	18.51	18.59	5.0	19.5	
	36	0	18.66	18.43	18.47	5.0	19.5	
	36	20	18.66	18.44	18.48	5.0	19.5	
256QAM	36	39	18.58	18.44	18.48	5.0	19.5	
	75	0	18.60	18.41	18.47	5.0	19.5	

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				132022	132322	132622		
				1715.00 MHz	1745.00 MHz	1775.00 MHz		
10 MHz	QPSK	1	0	23.68	23.42	23.47	0.0	24.5
		1	25	23.72	23.44	23.49	0.0	24.5
		1	49	23.58	23.37	23.39	0.0	24.5
		25	0	22.70	22.47	22.48	1.0	23.5
		25	12	22.72	22.50	22.53	1.0	23.5
		25	25	22.63	22.44	22.53	1.0	23.5
	16QAM	50	0	21.68	21.45	21.49	1.0	23.5
		1	0	22.97	22.64	22.78	1.0	23.5
		1	25	23.02	22.72	22.78	1.0	23.5
		1	49	22.93	22.64	22.73	1.0	23.5
		25	0	21.74	21.50	21.56	2.0	22.5
		25	12	21.79	21.49	21.58	2.0	22.5
	64QAM	25	25	21.70	21.51	21.59	2.0	22.5
		50	0	21.73	21.49	21.50	2.0	22.5
		1	0	21.85	21.57	21.65	2.0	22.5
		1	25	21.86	21.51	21.71	2.0	22.5
		1	49	21.76	21.55	21.61	2.0	22.5
		25	0	20.73	20.46	20.50	3.0	21.5
	256QAM	25	12	20.75	20.46	20.51	3.0	21.5
		25	25	20.65	20.45	20.49	3.0	21.5
		50	0	20.73	20.44	20.51	3.0	21.5
		1	0	18.79	18.54	18.58	5.0	19.5
		1	25	18.88	18.58	18.65	5.0	19.5
		1	49	18.73	18.53	18.54	5.0	19.5
	5 MHz	QPSK	25	0	18.71	18.43	18.47	5.0
25			12	18.73	18.49	18.50	5.0	19.5
25			25	18.63	18.44	18.52	5.0	19.5
50			0	18.70	18.44	18.50	5.0	19.5
1			0	23.68	23.42	23.54	0.0	24.5
1			12	23.77	23.48	23.60	0.0	24.5
16QAM		1	24	23.68	23.38	23.48	0.0	24.5
		12	0	22.69	22.43	22.50	1.0	23.5
		12	7	22.69	22.48	22.57	1.0	23.5
		12	13	22.62	22.43	22.50	1.0	23.5
		25	0	22.61	22.45	22.53	1.0	23.5
		1	0	23.05	22.82	22.84	1.0	23.5
64QAM		1	12	23.11	22.82	22.94	1.0	23.5
		1	24	23.04	22.80	22.86	1.0	23.5
		12	0	21.81	21.48	21.59	2.0	22.5
		12	7	21.75	21.54	21.62	2.0	22.5
		12	13	21.70	21.52	21.62	2.0	22.5
		25	0	21.67	21.49	21.54	2.0	22.5
256QAM		1	0	21.83	21.59	21.57	2.0	22.5
		1	12	21.95	21.65	21.65	2.0	22.5
		1	24	21.72	21.59	21.59	2.0	22.5
		12	0	20.72	20.47	20.46	3.0	21.5
		12	7	20.73	20.50	20.53	3.0	21.5
		12	13	20.63	20.43	20.47	3.0	21.5
5 MHz		256QAM	25	0	20.65	20.41	20.49	3.0
	1		0	18.85	18.51	18.62	5.0	19.5
	1		12	18.96	18.60	18.68	5.0	19.5
	1		24	18.78	18.43	18.63	5.0	19.5
	12		0	18.71	18.43	18.49	5.0	19.5
	12		7	18.67	18.50	18.55	5.0	19.5
	12		13	18.65	18.41	18.50	5.0	19.5
	25		0	18.63	18.42	18.45	5.0	19.5
	25		0	18.63	18.42	18.45	5.0	19.5

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				131987	132322	132657		
				1711.50 MHz	1745.00 MHz	1778.50 MHz		
3 MHz	QPSK	1	0	23.67	23.34	23.45	0.0	24.5
		1	8	23.77	23.52	23.56	0.0	24.5
		1	14	23.64	23.36	23.43	0.0	24.5
		8	0	22.70	22.46	22.55	1.0	23.5
		8	4	22.64	22.48	22.55	1.0	23.5
		8	7	22.65	22.49	22.54	1.0	23.5
	16QAM	15	0	22.66	22.47	22.52	1.0	23.5
		1	0	22.96	22.77	22.83	1.0	23.5
		1	8	23.11	22.91	22.93	1.0	23.5
		1	14	22.90	22.78	22.81	1.0	23.5
		8	0	21.81	21.55	21.61	2.0	22.5
		8	4	21.79	21.56	21.63	2.0	22.5
	64QAM	8	7	21.77	21.55	21.66	2.0	22.5
		15	0	21.70	21.53	21.57	2.0	22.5
		1	0	21.95	21.46	21.59	2.0	22.5
		1	8	22.08	21.60	21.77	2.0	22.5
		1	14	21.85	21.47	21.59	2.0	22.5
		8	0	20.78	20.44	20.53	3.0	21.5
	256QAM	8	4	20.71	20.46	20.53	3.0	21.5
		8	7	20.70	20.46	20.52	3.0	21.5
		15	0	20.66	20.40	20.50	3.0	21.5
		1	0	18.80	18.56	18.58	5.0	19.5
		1	8	19.03	18.59	18.71	5.0	19.5
		1	14	18.79	18.53	18.54	5.0	19.5
1.4 MHz	QPSK	8	0	18.75	18.45	18.48	5.0	19.5
		8	4	18.72	18.42	18.53	5.0	19.5
		8	7	18.70	18.46	18.53	5.0	19.5
		15	0	18.67	18.42	18.50	5.0	19.5
		1	0	23.62	23.33	23.44	0.0	24.5
		1	3	23.62	23.35	23.43	0.0	24.5
	16QAM	1	5	23.64	23.32	23.47	0.0	24.5
		3	0	23.60	23.36	23.43	0.0	24.5
		3	1	23.62	23.37	23.43	0.0	24.5
		3	3	23.61	23.35	23.43	0.0	24.5
		6	0	22.63	22.36	22.44	1.0	23.5
		1	0	22.90	22.59	22.83	1.0	23.5
	64QAM	1	3	22.90	22.59	22.81	1.0	23.5
		1	5	22.86	22.59	22.82	1.0	23.5
		3	0	22.78	22.52	22.55	1.0	23.5
		3	1	22.80	22.50	22.54	1.0	23.5
		3	3	22.82	22.52	22.58	1.0	23.5
		6	0	21.77	21.45	21.52	2.0	22.5
	256QAM	1	0	21.83	21.55	21.56	2.0	22.5
		1	3	21.85	21.60	21.53	2.0	22.5
		1	5	21.87	21.58	21.53	2.0	22.5
		3	0	21.74	21.51	21.48	2.0	22.5
		3	1	21.71	21.51	21.47	2.0	22.5
		3	3	21.81	21.50	21.46	2.0	22.5
256QAM	6	0	20.76	20.36	20.46	3.0	21.5	
	1	0	18.80	18.57	18.52	5.0	19.5	
	1	3	18.85	18.51	18.60	5.0	19.5	
	1	5	18.77	18.48	18.53	5.0	19.5	
	3	0	18.72	18.48	18.49	5.0	19.5	
	3	1	18.72	18.44	18.48	5.0	19.5	
256QAM	3	3	18.63	18.45	18.48	5.0	19.5	
	6	0	18.64	18.34	18.43	5.0	19.5	

NR Band n41 (ANT E)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)				
					Measured Pwr (dBm)			MPR	Tune-up Limit
					509202	518598	528000		
					2546.01 MHz	2592.99 MHz	2640.00 MHz		
100 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.48	24.07	24.34	0.0	25.0
			1	137	24.14	23.92	24.02	0.0	25.0
			1	271	24.40	23.98	23.90	0.0	25.0
			135	0	23.75	22.95	23.65	0.5	24.5
			135	69	24.30	24.08	24.01	0.0	25.0
			135	138	23.89	23.07	23.47	0.5	24.5
		270	0	23.80	23.06	23.62	0.5	24.5	
		QPSK	1	1	24.58	24.17	24.33	0.0	25.0
			1	137	24.20	24.12	23.90	0.0	25.0
			1	271	24.44	24.14	23.91	0.0	25.0
			135	0	23.24	23.55	23.22	1.0	24.0
			135	69	24.26	24.01	24.04	0.0	25.0
			135	138	23.25	23.56	22.93	1.0	24.0
		270	0	23.29	23.62	23.08	1.0	24.0	
		16QAM	1	1	23.56	23.22	23.70	1.0	24.0
			1	137	23.15	23.18	23.30	1.0	24.0
		64QAM	1	1	21.94	22.17	22.14	2.5	22.5
			1	1	20.07	19.86	19.80	4.5	20.5
256QAM	1	1	20.07	19.86	19.80	4.5	20.5		
	1	1	23.02	22.86	22.84	1.5	23.5		
90 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.44	24.24	24.20	0.0	25.0
			1	123	24.16	24.05	23.94	0.0	25.0
			1	243	24.45	24.29	23.83	0.0	25.0
			120	0	23.69	23.57	23.55	0.5	24.5
			120	63	24.20	24.17	23.97	0.0	25.0
			120	125	23.67	23.60	23.37	0.5	24.5
		243	0	23.79	23.65	23.62	0.5	24.5	
		QPSK	1	1	24.53	24.25	24.42	0.0	25.0
			1	123	24.14	24.09	24.08	0.0	25.0
			1	243	24.49	24.23	24.00	0.0	25.0
			120	0	23.25	23.09	23.19	1.0	24.0
			120	63	24.31	24.25	24.14	0.0	25.0
			120	125	23.17	23.16	22.91	1.0	24.0
		243	0	23.31	23.21	23.19	1.0	24.0	
		16QAM	1	1	23.47	23.36	23.40	1.0	24.0
			1	1	22.08	21.86	21.97	2.5	22.5
		64QAM	1	1	19.85	19.78	19.82	4.5	20.5
			1	1	19.85	19.78	19.82	4.5	20.5
256QAM	1	1	19.85	19.78	19.82	4.5	20.5		
	1	1	23.02	22.78	22.85	1.5	23.5		
80 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.31	24.19	24.21	0.0	25.0
			1	109	24.15	24.12	23.84	0.0	25.0
			1	215	24.25	24.30	23.72	0.0	25.0
			108	0	23.73	23.60	23.54	0.5	24.5
			108	55	24.30	24.29	24.02	0.0	25.0
			108	109	23.71	23.72	23.38	0.5	24.5
		216	0	23.84	23.68	23.47	0.5	24.5	
		QPSK	1	1	24.46	24.22	24.27	0.0	25.0
			1	109	24.12	24.19	23.94	0.0	25.0
			1	215	24.18	24.31	23.75	0.0	25.0
			108	0	23.22	23.08	23.11	1.0	24.0
			108	55	24.34	24.28	24.04	0.0	25.0
			108	109	23.20	23.18	22.89	1.0	24.0
		216	0	23.31	23.17	23.09	1.0	24.0	
		16QAM	1	1	23.41	23.18	23.24	1.0	24.0
			1	1	21.96	21.75	21.82	2.5	22.5
		64QAM	1	1	19.73	19.66	19.74	4.5	20.5
			1	1	19.73	19.66	19.74	4.5	20.5
256QAM	1	1	19.73	19.66	19.74	4.5	20.5		
	1	1	22.93	22.74	22.69	1.5	23.5		
CP-OFDM	QPSK	1	1	22.93	22.74	22.69	1.5	23.5	
		1	1	22.93	22.74	22.69	1.5	23.5	

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	24.08	23.94	23.89	0.0	25.0
			1	95	23.95	24.07	23.75	0.0	25.0
			1	188	24.12	24.02	23.53	0.0	25.0
			90	0	23.62	23.85	23.42	0.5	24.5
			90	50	24.15	24.21	23.92	0.0	25.0
			90	99	23.72	23.70	23.28	0.5	24.5
		180	0	23.57	23.69	23.42	0.5	24.5	
		QPSK	1	1	24.13	24.02	23.94	0.0	25.0
			1	95	24.06	24.18	23.79	0.0	25.0
			1	188	24.10	24.14	23.60	0.0	25.0
			90	0	23.20	23.22	22.97	1.0	24.0
			90	50	24.20	24.28	23.93	0.0	25.0
			90	99	23.17	23.22	22.85	1.0	24.0
		180	0	23.21	23.19	22.91	1.0	24.0	
16QAM	1	1	23.25	23.07	23.05	1.0	24.0		
64QAM	1	1	21.75	21.66	21.59	2.5	22.5		
256QAM	1	1	19.77	19.45	19.52	4.5	20.5		
CP-OFDM	QPSK	1	1	22.80	22.46	22.63	1.5	23.5	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					505200	518598	531996		
					2526.00 MHz	2592.99 MHz	2659.98 MHz		
60 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.99	23.99	23.88	0.0	25.0
			1	81	23.89	23.84	23.54	0.0	25.0
			1	160	23.95	24.00	23.49	0.0	25.0
			81	0	23.44	23.46	23.33	0.5	24.5
			81	41	24.11	23.97	23.74	0.0	25.0
			81	81	23.50	23.53	23.12	0.5	24.5
		162	0	23.63	23.58	23.29	0.5	24.5	
		QPSK	1	1	24.09	24.03	23.95	0.0	25.0
			1	81	23.92	23.98	23.56	0.0	25.0
			1	160	23.99	24.07	23.55	0.0	25.0
			81	0	22.94	22.99	22.80	1.0	24.0
			81	41	24.09	23.97	23.74	0.0	25.0
			81	81	22.96	23.02	22.61	1.0	24.0
		162	0	23.08	22.91	22.75	1.0	24.0	
16QAM	1	1	23.03	23.11	22.89	1.0	24.0		
64QAM	1	1	21.43	21.53	21.43	2.5	22.5		
256QAM	1	1	19.55	19.50	19.38	4.5	20.5		
CP-OFDM	QPSK	1	1	22.55	22.55	22.37	1.5	23.5	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					504204	518598	532998		
					2521.01 MHz	2592.99 MHz	2665.00 MHz		
50 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.19	24.04	23.94	0.0	25.0
			1	67	23.92	23.98	23.76	0.0	25.0
			1	131	24.16	24.14	23.82	0.0	25.0
			64	0	23.65	23.62	23.49	0.5	24.5
			64	35	24.08	24.12	23.99	0.0	25.0
			64	69	23.58	23.61	23.29	0.5	24.5
		128	0	23.53	23.60	23.37	0.5	24.5	
		QPSK	1	1	24.33	24.06	24.16	0.0	25.0
			1	67	24.08	24.11	23.80	0.0	25.0
			1	131	24.32	24.30	23.89	0.0	25.0
			64	0	23.18	23.09	23.01	1.0	24.0
			64	35	24.21	24.20	23.96	0.0	25.0
			64	69	23.15	23.07	22.84	1.0	24.0
		128	0	23.12	23.10	22.92	1.0	24.0	
16QAM	1	1	23.24	23.05	23.09	1.0	24.0		
64QAM	1	1	21.74	21.67	21.74	2.5	22.5		
256QAM	1	1	19.75	19.49	19.68	4.5	20.5		
CP-OFDM	QPSK	1	1	22.76	22.59	22.61	1.5	23.5	

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	24.38	24.18	23.73	0.0	25.0
			1	53	24.21	24.21	23.60	0.0	25.0
			1	104	24.21	24.32	23.59	0.0	25.0
			50	0	23.85	23.73	23.28	0.5	24.5
			50	28	24.39	24.35	23.81	0.0	25.0
			50	56	23.73	23.73	23.13	0.5	24.5
		100	0	23.92	23.85	23.31	0.5	24.5	
		QPSK	1	1	24.38	24.16	23.79	0.0	25.0
			1	53	24.27	24.24	23.66	0.0	25.0
			1	104	24.22	24.34	23.63	0.0	25.0
			50	0	23.33	23.27	22.77	1.0	24.0
			50	28	24.35	24.37	23.79	0.0	25.0
			50	56	23.25	23.23	22.63	1.0	24.0
		100	0	23.43	23.36	22.80	1.0	24.0	
16QAM	1	1	23.46	23.13	22.82	1.0	24.0		
64QAM	1	1	21.84	21.56	21.36	2.5	22.5		
256QAM	1	1	19.86	19.58	19.23	4.5	20.5		
CP-OFDM	QPSK	1	1	22.84	22.71	22.29	1.5	23.5	
30 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.46	24.14	23.78	0.0	25.0
			1	39	24.39	24.19	23.61	0.0	25.0
			1	76	24.26	24.29	23.62	0.0	25.0
			36	0	23.87	23.70	23.18	0.5	24.5
			36	21	24.38	24.20	23.71	0.0	25.0
			36	42	23.79	23.70	23.13	0.5	24.5
		75	0	23.83	23.71	23.14	0.5	24.5	
		QPSK	1	1	24.51	24.20	23.80	0.0	25.0
			1	39	24.44	24.21	23.65	0.0	25.0
			1	76	24.33	24.34	23.69	0.0	25.0
			36	0	23.35	23.22	22.67	1.0	24.0
			36	21	24.38	24.21	23.65	0.0	25.0
			36	42	23.26	23.18	22.64	1.0	24.0
		75	0	23.35	23.21	22.64	1.0	24.0	
16QAM	1	1	23.49	23.33	22.86	1.0	24.0		
64QAM	1	1	21.93	21.88	21.24	2.5	22.5		
256QAM	1	1	19.99	19.73	19.35	4.5	20.5		
CP-OFDM	QPSK	1	1	22.95	22.73	22.42	1.5	23.5	
25 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.28	24.15	23.54	0.0	25.0
			1	32	24.16	24.12	23.38	0.0	25.0
			1	63	24.09	24.10	23.50	0.0	25.0
			32	0	23.63	23.53	22.91	0.5	24.5
			32	16	24.18	24.08	23.36	0.0	25.0
			32	33	23.57	23.58	23.47	0.5	24.5
		64	0	23.61	23.54	22.95	0.5	24.5	
		QPSK	1	1	24.27	24.06	23.59	0.0	25.0
			1	32	24.19	24.14	23.44	0.0	25.0
			1	63	24.17	24.12	23.51	0.0	25.0
			32	0	23.13	23.00	22.42	1.0	24.0
			32	16	24.24	24.14	23.42	0.0	25.0
			32	33	23.08	23.11	23.51	1.0	24.0
		64	0	23.14	23.08	22.50	1.0	24.0	
16QAM	1	1	23.34	23.15	22.48	1.0	24.0		
64QAM	1	1	21.86	21.62	21.05	2.5	22.5		
256QAM	1	1	19.79	19.62	19.09	4.5	20.5		
CP-OFDM	QPSK	1	1	22.91	22.63	22.19	1.5	23.5	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					501204	518598	535998		
					2506.02 MHz	2592.99 MHz	2679.99 MHz		
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.22	24.10	23.62	0.0	25.0
			1	26	23.68	23.60	23.04	0.0	25.0
			1	49	23.75	23.73	23.27	0.0	25.0
			25	0	23.65	23.74	23.16	0.5	24.5
			25	13	24.24	24.20	23.73	0.0	25.0
			25	26	23.70	23.72	23.14	0.5	24.5
		QPSK	50	0	23.59	23.64	23.00	0.5	24.5
			1	1	24.31	24.13	23.69	0.0	25.0
			1	26	23.21	23.07	22.62	0.0	25.0
			1	49	23.32	23.20	22.81	0.0	25.0
			25	0	23.17	23.17	22.63	1.0	24.0
			25	13	24.31	24.19	23.75	0.0	25.0
		16QAM	25	26	23.21	23.22	22.66	1.0	24.0
			50	0	23.16	23.19	22.59	1.0	24.0
1	1		23.26	23.16	22.66	1.0	24.0		
64QAM	1	1	21.86	21.54	21.23	2.5	22.5		
	1	1	19.69	19.48	19.10	4.5	20.5		
CP-OFDM	QPSK	1	1	22.86	22.65	22.16	1.5	23.5	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					500700	518598	536496		
					2503.50 MHz	2592.99 MHz	2682.48 MHz		
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.25	24.15	23.68	0.0	25.0
			1	19	24.23	24.05	23.74	0.0	25.0
			1	36	24.27	24.27	23.75	0.0	25.0
			18	0	23.71	23.62	23.24	0.5	24.5
			18	10	24.29	24.16	23.83	0.0	25.0
			18	20	23.66	23.62	23.18	0.5	24.5
		QPSK	36	0	23.71	23.61	23.22	0.5	24.5
			1	1	24.29	24.11	23.72	0.0	25.0
			1	19	24.29	24.09	23.80	0.0	25.0
			1	36	24.28	24.29	23.78	0.0	25.0
			18	0	23.22	23.11	22.77	1.0	24.0
			18	10	24.38	24.15	23.78	0.0	25.0
		16QAM	18	20	23.23	23.08	22.68	1.0	24.0
			36	0	23.20	23.07	22.73	1.0	24.0
1	1		23.18	23.17	22.74	1.0	24.0		
64QAM	1	1	21.70	21.71	21.25	2.5	22.5		
	1	1	19.71	19.61	19.24	4.5	20.5		
CP-OFDM	QPSK	1	1	22.76	22.74	22.31	1.5	23.5	
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	24.03	24.13	23.75	0.0	25.0
			1	12	24.16	24.13	23.72	0.0	25.0
			1	22	24.12	24.19	23.75	0.0	25.0
			12	0	23.67	23.59	23.14	0.5	24.5
			12	6	24.24	24.09	23.73	0.0	25.0
			12	12	23.65	23.57	23.15	0.5	24.5
		QPSK	24	0	23.69	23.57	23.16	0.5	24.5
			1	1	24.27	24.15	23.80	0.0	25.0
			1	12	24.13	24.12	23.75	0.0	25.0
			1	22	24.29	24.20	23.79	0.0	25.0
			12	0	23.14	23.06	22.70	1.0	24.0
			12	6	24.24	24.06	23.76	0.0	25.0
		16QAM	12	12	23.20	23.07	22.68	1.0	24.0
			24	0	23.16	23.07	22.71	1.0	24.0
1	1		23.25	23.14	22.80	1.0	24.0		
64QAM	1	1	21.83	21.60	21.37	2.5	22.5		
	1	1	19.79	19.66	19.22	4.5	20.5		
CP-OFDM	QPSK	1	1	22.75	22.73	22.24	1.5	23.5	

NR Band n41 (ANT B) (SRS1), (ANT G) (SRS2), (ANT C) (SRS3)

Maximum Average Power (dBm) SRS1			Tune-up Limit	Maximum Average Power (dBm) SRS2			Tune-up Limit	Maximum Average Power (dBm) SRS3			Tune-up Limit
			25.0				20.0				18.5
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	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
	24.28	24.22	23.88		19.76	19.49	19.77		17.50	17.31	16.45
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
	24.54	24.77	23.97		19.26	19.11	19.47		17.68	17.41	16.50
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
	24.61	24.60	24.39		19.30	19.30	19.76		17.66	17.57	16.30
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
	24.57	24.55	24.61		19.55	19.42	19.66		17.58	17.42	16.11
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
	24.76	24.37	24.56		19.87	18.91	19.14		17.74	17.55	16.57
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
	24.65	24.59	24.70		19.87	19.11	19.20		18.19	18.01	16.53
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
	24.83	24.55	24.66		19.67	19.21	18.83		18.05	17.83	16.37
30 MHz	502200	518598	534996	30 MHz	502200	518598	534996	30 MHz	502200	518598	534996
	2511 MHz	2592.99 MHz	2675.0 MHz		2511 MHz	2592.99 MHz	2675.0 MHz		2511 MHz	2592.99 MHz	2675.0 MHz
	24.81	24.56	24.68		19.80	19.58	18.76		18.11	17.87	16.13
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
	24.71	24.64	24.75		19.78	19.47	18.67		18.11	17.88	16.17
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
	24.80	24.46	24.49		19.44	19.49	18.77		18.00	17.82	16.08
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
	24.64	24.57	24.68		19.48	19.52	18.59		18.10	17.85	16.03
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
	24.38	24.46	24.42		19.14	19.15	18.30		18.26	17.84	16.11

NR Band n41 Switching (SA) (ANT B)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)				
					Measured Pwr (dBm)			MPR	Tune-up Limit
					509202	518598	528000		
2546.01 MHz	2592.99 MHz	2640.00 MHz							
100 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.93	23.97	23.83	0.0	25.0
			1	137	23.82	23.76	23.40	0.0	25.0
			1	271	23.77	23.65	23.79	0.0	25.0
			135	0	23.00	22.94	22.64	0.5	24.5
			135	69	23.94	23.82	23.56	0.0	25.0
			135	138	22.96	22.75	22.73	0.5	24.5
		270	0	22.91	22.85	22.68	0.5	24.5	
		QPSK	1	1	23.96	23.96	23.86	0.0	25.0
			1	137	23.83	23.76	23.44	0.0	25.0
			1	271	23.81	23.64	23.78	0.0	25.0
			135	0	22.98	22.96	22.67	1.0	24.0
			135	69	23.93	23.81	23.58	0.0	25.0
			135	138	22.95	22.76	22.72	1.0	24.0
		270	0	22.90	22.83	22.67	1.0	24.0	
		16QAM	1	1	22.94	22.98	22.87	1.0	24.0
			1	137	22.81	22.75	22.40	1.0	24.0
		64QAM	1	1	21.53	21.56	21.45	2.5	22.5
			1	1	19.37	19.38	19.26	4.5	20.5
256QAM	1	1	19.37	19.38	19.26	4.5	20.5		
CP-OFDM	QPSK	1	1	22.61	22.68	22.54	1.5	23.5	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					508200	518598	528996		
					2541.00 MHz	2592.99 MHz	2644.98 MHz		
90 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.00	23.94	23.72	0.0	25.0
			1	123	24.00	23.84	23.58	0.0	25.0
			1	243	23.93	23.64	23.87	0.0	25.0
			120	0	22.87	22.99	22.62	0.5	24.5
			120	63	24.04	23.90	23.70	0.0	25.0
			120	125	23.02	22.74	22.74	0.5	24.5
		243	0	23.09	22.91	22.76	0.5	24.5	
		QPSK	1	1	24.01	23.96	23.79	0.0	25.0
			1	123	24.03	23.82	23.63	0.0	25.0
			1	243	23.94	23.64	23.88	0.0	25.0
			120	0	22.92	23.02	22.63	1.0	24.0
			120	63	24.04	23.91	23.72	0.0	25.0
			120	125	23.02	22.71	22.75	1.0	24.0
		243	0	23.11	22.90	22.77	1.0	24.0	
		16QAM	1	1	22.89	22.98	22.66	1.0	24.0
		64QAM	1	1	21.45	21.41	21.25	2.5	22.5
		256QAM	1	1	19.27	19.30	19.02	4.5	20.5
		CP-OFDM	QPSK	1	1	22.53	22.48	22.37	1.5
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	23.94	23.89	23.54	0.0	25.0
			1	109	23.85	23.73	23.46	0.0	25.0
			1	215	23.89	23.69	23.72	0.0	25.0
			108	0	22.90	22.90	22.59	0.5	24.5
			108	55	24.01	23.88	23.70	0.0	25.0
			108	109	22.97	22.66	22.70	0.5	24.5
		216	0	23.00	22.98	22.74	0.5	24.5	
		QPSK	1	1	23.98	23.96	23.56	0.0	25.0
			1	109	23.86	23.76	23.45	0.0	25.0
			1	215	23.91	23.70	23.74	0.0	25.0
			108	0	22.88	22.93	22.62	1.0	24.0
			108	55	23.95	23.84	23.70	0.0	25.0
			108	109	22.97	22.71	22.68	1.0	24.0
		216	0	23.01	22.96	22.77	1.0	24.0	
		16QAM	1	1	22.83	22.90	22.51	1.0	24.0
		64QAM	1	1	21.40	21.37	21.06	2.5	22.5
		256QAM	1	1	19.23	19.26	18.89	4.5	20.5
		CP-OFDM	QPSK	1	1	22.55	22.46	22.20	1.5

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	23.72	23.71	23.43	0.0	25.0
			1	95	23.89	23.70	23.43	0.0	25.0
			1	188	23.84	23.52	23.60	0.0	25.0
			90	0	22.89	22.88	22.53	0.5	24.5
			90	50	24.09	23.81	23.68	0.0	25.0
			90	99	22.99	22.64	22.63	0.5	24.5
		180	0	22.89	22.85	22.60	0.5	24.5	
		QPSK	1	1	23.72	23.75	23.42	0.0	25.0
			1	95	23.91	23.74	23.45	0.0	25.0
			1	188	23.87	23.55	23.57	0.0	25.0
			90	0	22.92	22.91	22.51	1.0	24.0
			90	50	24.11	23.84	23.67	0.0	25.0
			90	99	23.01	22.69	22.65	1.0	24.0
		180	0	22.91	22.86	22.60	1.0	24.0	
16QAM	1	1	22.71	22.74	22.40	1.0	24.0		
64QAM	1	1	21.30	21.31	20.98	2.5	22.5		
256QAM	1	1	19.19	19.12	18.77	4.5	20.5		
CP-OFDM	QPSK	1	1	22.47	22.33	22.14	1.5	23.5	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					505200	518598	513996		
					2526.00 MHz	2592.99 MHz	2659.98 MHz		
60 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.77	23.76	23.43	0.0	25.0
			1	81	23.69	23.58	23.38	0.0	25.0
			1	160	23.84	23.51	23.72	0.0	25.0
			81	0	22.80	22.81	22.43	0.5	24.5
			81	41	23.86	23.79	23.60	0.0	25.0
			81	81	22.86	22.62	22.57	0.5	24.5
		162	0	22.87	22.78	22.68	0.5	24.5	
		QPSK	1	1	23.82	23.78	23.44	0.0	25.0
			1	81	23.67	23.59	23.42	0.0	25.0
			1	160	23.85	23.51	23.75	0.0	25.0
			81	0	22.79	22.84	22.41	1.0	24.0
			81	41	23.91	23.79	23.60	0.0	25.0
			81	81	22.89	22.67	22.57	1.0	24.0
		162	0	22.86	22.77	22.67	1.0	24.0	
16QAM	1	1	22.61	22.64	22.31	1.0	24.0		
64QAM	1	1	21.25	21.21	20.88	2.5	22.5		
256QAM	1	1	19.02	19.06	18.71	4.5	20.5		
CP-OFDM	QPSK	1	1	22.39	22.36	21.97	1.5	23.5	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					504204	518598	532998		
					2521.01 MHz	2592.99 MHz	2665.00 MHz		
50 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.94	23.92	23.49	0.0	25.0
			1	67	23.96	23.73	23.62	0.0	25.0
			1	131	24.11	23.67	23.95	0.0	25.0
			64	0	23.07	22.96	22.66	0.5	24.5
			64	35	24.19	24.06	23.91	0.0	25.0
			64	69	23.15	22.81	22.89	0.5	24.5
		128	0	23.13	22.86	22.79	0.5	24.5	
		QPSK	1	1	23.99	23.94	23.53	0.0	25.0
			1	67	23.95	23.76	23.67	0.0	25.0
			1	131	24.21	23.71	24.00	0.0	25.0
			64	0	23.05	22.98	22.68	1.0	24.0
			64	35	24.18	24.04	23.93	0.0	25.0
			64	69	23.14	22.86	22.85	1.0	24.0
		128	0	23.12	22.90	22.82	1.0	24.0	
16QAM	1	1	22.83	22.96	22.46	1.0	24.0		
64QAM	1	1	21.43	21.40	21.05	2.5	22.5		
256QAM	1	1	19.23	19.29	18.87	4.5	20.5		
CP-OFDM	QPSK	1	1	22.51	22.50	22.18	1.5	23.5	

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	23.82	23.72	23.47	0.0	25.0
			1	53	23.78	23.69	23.49	0.0	25.0
			1	104	23.87	23.63	23.74	0.0	25.0
			50	0	22.82	22.84	22.62	0.5	24.5
			50	28	23.96	23.85	23.69	0.0	25.0
			50	56	22.94	22.72	22.70	0.5	24.5
		100	0	22.99	22.93	22.68	0.5	24.5	
		QPSK	1	1	23.86	23.74	23.46	0.0	25.0
			1	53	23.83	23.72	23.53	0.0	25.0
			1	104	23.89	23.65	23.72	0.0	25.0
			50	0	22.87	22.83	22.61	1.0	24.0
			50	28	23.97	23.88	23.70	0.0	25.0
			50	56	22.94	22.77	22.69	1.0	24.0
		100	0	22.98	22.97	22.72	1.0	24.0	
16QAM	1	1	22.66	22.63	22.30	1.0	24.0		
64QAM	1	1	21.30	21.22	20.90	2.5	22.5		
256QAM	1	1	19.12	19.04	18.71	4.5	20.5		
CP-OFDM	QPSK	1	1	22.32	22.30	22.04	1.5	23.5	
30 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.95	23.91	23.70	0.0	25.0
			1	39	23.97	23.79	23.73	0.0	25.0
			1	76	24.03	23.73	23.89	0.0	25.0
			36	0	22.89	22.80	22.62	0.5	24.5
			36	21	24.03	23.89	23.76	0.0	25.0
			36	42	23.01	22.77	22.80	0.5	24.5
		75	0	22.96	22.85	22.69	0.5	24.5	
		QPSK	1	1	23.96	23.95	23.69	0.0	25.0
			1	39	23.95	23.83	23.71	0.0	25.0
			1	76	24.01	23.76	23.90	0.0	25.0
			36	0	22.86	22.82	22.61	1.0	24.0
			36	21	24.04	23.89	23.76	0.0	25.0
			36	42	23.03	22.77	22.80	1.0	24.0
		75	0	22.99	22.84	22.68	1.0	24.0	
16QAM	1	1	22.79	22.82	22.54	1.0	24.0		
64QAM	1	1	21.40	21.40	21.14	2.5	22.5		
256QAM	1	1	19.23	19.22	18.88	4.5	20.5		
CP-OFDM	QPSK	1	1	22.51	22.54	22.25	1.5	23.5	
25 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.09	23.37	23.66	0.0	25.0
			1	32	23.98	23.85	23.62	0.0	25.0
			1	63	24.09	23.78	23.81	0.0	25.0
			32	0	23.50	23.43	23.06	0.5	24.5
			32	16	24.14	24.00	23.70	0.0	25.0
			32	33	23.49	23.38	23.20	0.5	24.5
		64	0	23.52	23.40	23.15	0.5	24.5	
		QPSK	1	1	24.23	24.02	23.69	0.0	25.0
			1	32	24.09	23.97	23.68	0.0	25.0
			1	63	24.13	23.95	23.81	0.0	25.0
			32	0	23.03	22.96	22.57	1.0	24.0
			32	16	24.17	24.02	23.72	0.0	25.0
			32	33	22.99	22.86	22.70	1.0	24.0
		64	0	23.06	22.92	22.63	1.0	24.0	
16QAM	1	1	23.36	23.33	22.94	1.0	24.0		
64QAM	1	1	21.81	21.96	21.64	2.5	22.5		
256QAM	1	1	19.53	19.28	18.93	4.5	20.5		
CP-OFDM	QPSK	1	1	22.74	22.53	22.26	1.5	23.5	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					501204	518598	535998		
					2506.02 MHz	2592.99 MHz	2679.99 MHz		
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.75	23.65	23.42	0.0	25.0
			1	26	23.74	23.70	23.59	0.0	25.0
			1	49	23.76	23.59	23.65	0.0	25.0
			25	0	22.76	22.81	22.53	0.5	24.5
			25	13	23.82	23.84	23.70	0.0	25.0
			25	26	22.85	22.74	22.67	0.5	24.5
		QPSK	50	0	22.94	22.84	22.72	0.5	24.5
			1	1	23.75	23.68	23.46	0.0	25.0
			1	26	23.80	23.73	23.62	0.0	25.0
			1	49	23.75	23.61	23.68	0.0	25.0
			25	0	22.81	22.81	22.57	1.0	24.0
			25	13	23.86	23.80	23.70	0.0	25.0
		16QAM	25	26	22.84	22.70	22.67	1.0	24.0
			50	0	22.99	22.89	22.71	1.0	24.0
1	1		22.64	22.59	22.31	1.0	24.0		
64QAM	1	1	21.26	21.14	20.90	2.5	22.5		
	1	1	19.09	19.01	18.76	4.5	20.5		
CP-OFDM	QPSK	1	1	22.40	22.34	22.09	1.5	23.5	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					500700	518598	536496		
					2503.50 MHz	2592.99 MHz	2682.48 MHz		
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.87	23.82	23.56	0.0	25.0
			1	19	23.82	23.73	23.61	0.0	25.0
			1	36	23.94	23.72	23.74	0.0	25.0
			18	0	22.87	22.82	22.57	0.5	24.5
			18	10	24.01	23.93	23.79	0.0	25.0
			18	20	22.95	22.76	22.67	0.5	24.5
		QPSK	36	0	22.87	22.79	22.60	0.5	24.5
			1	1	23.89	23.82	23.53	0.0	25.0
			1	19	23.86	23.72	23.66	0.0	25.0
			1	36	23.95	23.72	23.72	0.0	25.0
			18	0	22.85	22.81	22.60	1.0	24.0
			18	10	24.00	23.91	23.76	0.0	25.0
		16QAM	18	20	22.95	22.76	22.69	1.0	24.0
			36	0	22.85	22.79	22.68	1.0	24.0
1	1		22.76	22.72	22.44	1.0	24.0		
64QAM	1	1	21.36	21.29	21.00	2.5	22.5		
	1	1	19.14	19.11	18.80	4.5	20.5		
CP-OFDM	QPSK	1	1	22.50	22.46	22.21	1.5	23.5	
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	23.84	23.77	23.81	0.0	25.0
			1	12	23.79	23.71	23.55	0.0	25.0
			1	22	23.84	23.72	23.54	0.0	25.0
			12	0	22.84	22.78	23.63	0.5	24.5
			12	6	23.88	23.82	22.57	0.0	25.0
			12	12	22.82	22.75	23.66	0.5	24.5
		QPSK	24	0	22.82	22.78	22.64	0.5	24.5
			1	1	23.89	23.79	22.57	0.0	25.0
			1	12	23.83	23.71	23.55	0.0	25.0
			1	22	23.87	23.73	23.55	0.0	25.0
			12	0	22.80	22.76	23.63	1.0	24.0
			12	6	23.91	23.81	22.56	0.0	25.0
		16QAM	12	12	22.84	22.74	23.65	1.0	24.0
			24	0	22.83	22.76	22.64	1.0	24.0
1	1		22.71	22.67	22.56	1.0	24.0		
64QAM	1	1	21.32	21.27	21.01	2.5	22.5		
	1	1	19.15	19.08	18.84	4.5	20.5		
CP-OFDM	QPSK	1	1	22.47	22.34	22.17	1.5	23.5	

NR Band n41 (ANT E) (SRS1), (ANT C) (SRS2), (ANT G) (SRS3)

Maximum Average Power (dBm) SRS1			Tune-up Limit	Maximum Average Power (dBm) SRS2			Tune-up Limit	Maximum Average Power (dBm) SRS3			Tune-up Limit
			24.5				18.0				20.5
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	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
	23.86	23.62	23.74		17.50	17.33	16.36		20.10	19.44	19.82
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
	24.00	23.70	23.93		17.55	17.51	16.60		20.23	19.53	20.00
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
	23.98	23.63	23.90		17.61	17.38	16.24		20.24	19.50	19.80
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
	23.89	23.61	23.82		17.60	17.47	16.11		20.18	19.49	19.81
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
	24.00	23.66	23.88		17.71	17.52	16.10		20.26	19.51	19.85
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
	24.24	23.86	24.11		17.88	17.68	16.25		20.42	19.63	19.66
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
	24.08	23.75	23.96		17.76	17.58	16.04		20.24	19.67	19.20
30 MHz	502200	518598	534996	30 MHz	502200	518598	534996	30 MHz	502200	518598	534996
	2511 MHz	2592.99 MHz	2675.0 MHz		2511 MHz	2592.99 MHz	2675.0 MHz		2511 MHz	2592.99 MHz	2675.0 MHz
	24.16	23.75	23.53		17.78	17.64	15.94		20.10	19.64	19.20
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
	24.13	23.74	23.00		17.78	17.58	15.94		20.30	19.62	19.00
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
	23.94	23.67	23.31		17.72	17.43	15.78		19.65	19.60	19.11
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
	23.92	23.61	23.37		17.71	17.45	15.89		19.52	19.60	18.75
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
	24.11	23.70	23.23		17.74	17.48	16.00		19.35	19.59	18.75

NR Band n66 (ANT B)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)				
					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	23.97	23.89	23.78	0.0	24.5
			1	108	23.82	23.71	23.71	0.0	24.5
			1	214	23.77	23.75	23.78	0.0	24.5
			108	0	22.89	23.67	22.74	0.5	24.0
			108	54	23.92	23.76	23.79	0.0	24.5
			108	108	22.75	22.75	22.64	0.5	24.0
		216	0	22.87	22.79	22.79	0.5	24.0	
		QPSK	1	1	24.03	23.97	23.84	0.0	24.5
			1	108	23.88	23.73	23.73	0.0	24.5
			1	214	23.81	23.82	23.80	0.0	24.5
			108	0	22.96	22.86	22.69	1.0	23.5
			108	54	23.96	23.85	23.83	0.0	24.5
			108	108	22.76	22.79	22.68	1.0	23.5
		16QAM	1	1	22.87	22.79	22.67	1.0	23.5
			1	108	22.77	22.73	22.66	1.0	23.5
			1	214	22.58	22.64	22.63	1.0	23.5
		64QAM	1	1	21.63	21.57	21.45	2.5	22.0
			1	1	18.97	18.97	18.76	4.5	20.0
256QAM	1	1	22.65	22.61	22.49	1.5	23.0		
CP-OFDM	QPSK	1	1	22.65	22.61	22.49	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	24.16	24.04	23.89	0.0	24.5
			1	93	24.12	24.07	23.98	0.0	24.5
			1	186	23.85	23.88	23.79	0.0	24.5
			90	0	23.20	23.14	23.69	0.5	24.0
			90	49	24.14	24.05	22.89	0.0	24.5
			90	98	23.07	23.01	22.84	0.5	24.0
		180	0	23.03	23.01	22.86	0.5	24.0	
		QPSK	1	1	24.25	24.09	23.85	0.0	24.5
			1	93	24.14	24.10	24.01	0.0	24.5
			1	186	23.89	23.92	23.82	0.0	24.5
			90	0	23.24	23.09	22.97	1.0	23.5
			90	49	24.19	24.09	24.03	0.0	24.5
			90	98	23.09	22.97	22.92	1.0	23.5
		180	0	23.04	23.06	22.87	1.0	23.5	
		16QAM	1	1	23.20	23.03	22.84	1.0	23.5
			1	93	23.02	22.96	22.92	1.0	23.5
			1	186	22.89	22.85	22.75	1.0	23.5
		64QAM	1	1	21.95	21.79	21.62	2.5	22.0
256QAM	1	1	19.22	19.08	18.88	4.5	20.0		
CP-OFDM	QPSK	1	1	22.88	22.83	22.59	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	24.39	24.28	24.17	0.0	24.5
			1	80	24.18	24.08	24.04	0.0	24.5
			1	158	24.14	24.08	23.81	0.0	24.5
			80	0	23.30	23.20	22.98	0.5	24.0
			80	40	24.24	24.16	24.14	0.0	24.5
			80	80	23.23	23.04	22.97	0.5	24.0
		160	0	23.21	23.05	23.02	0.5	24.0	
		QPSK	1	1	24.44	24.28	24.16	0.0	24.5
			1	80	24.25	24.11	24.09	0.0	24.5
			1	158	24.15	24.12	23.95	0.0	24.5
			80	0	23.32	23.16	23.02	1.0	23.5
			80	40	24.27	24.15	24.11	0.0	24.5
			80	80	23.19	23.03	23.01	1.0	23.5
		160	0	23.20	23.08	23.05	1.0	23.5	
		16QAM	1	1	23.26	23.10	23.03	1.0	23.5
			1	80	23.12	22.95	22.86	1.0	23.5
			1	158	22.97	22.94	22.85	1.0	23.5
		64QAM	1	1	21.98	21.88	21.74	2.5	22.0
256QAM	1	1	19.34	19.22	19.05	4.5	20.0		
CP-OFDM	QPSK	1	1	22.98	22.97	22.71	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	24.40	24.25	24.15	0.0	24.5
			1	67	24.24	24.10	24.02	0.0	24.5
			1	131	24.16	24.05	23.91	0.0	24.5
			64	0	23.26	23.14	22.93	0.5	24.0
			64	35	24.22	24.11	24.08	0.0	24.5
			64	69	23.18	23.03	22.96	0.5	24.0
		128	0	23.17	23.02	22.95	0.5	24.0	
		QPSK	1	1	24.46	24.31	24.12	0.0	24.5
			1	67	24.26	24.13	24.05	0.0	24.5
			1	131	24.16	24.09	23.89	0.0	24.5
			64	0	23.22	23.12	22.93	1.0	23.5
			64	35	24.27	24.10	24.07	0.0	24.5
			64	69	23.23	23.09	22.96	1.0	23.5
		16QAM	1	1	23.29	23.11	23.01	1.0	23.5
			1	67	23.07	22.93	22.87	1.0	23.5
			1	131	22.97	22.91	22.79	1.0	23.5
		64QAM	1	1	21.98	21.92	21.69	2.5	22.0
256QAM	1	1	19.30	19.21	19.04	4.5	20.0		
CP-OFDM	QPSK	1	1	22.98	22.87	22.69	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	24.25	24.03	23.87	0.0	24.5
			1	53	24.17	23.99	23.81	0.0	24.5
			1	104	24.12	23.94	23.77	0.0	24.5
			50	0	23.17	22.99	22.83	0.5	24.0
			50	28	24.23	24.01	23.85	0.0	24.5
			50	56	23.09	22.99	22.82	0.5	24.0
		100	0	23.26	23.07	22.92	0.5	24.0	
		QPSK	1	1	24.26	24.07	23.87	0.0	24.5
			1	53	24.19	24.05	23.80	0.0	24.5
			1	104	24.17	23.99	23.76	0.0	24.5
			50	0	23.23	23.06	22.82	1.0	23.5
			50	28	24.21	24.00	23.85	0.0	24.5
			50	56	23.07	22.99	22.81	1.0	23.5
		100	0	23.25	23.08	22.90	1.0	23.5	
		16QAM	1	1	23.07	22.88	22.69	1.0	23.5
			1	53	23.03	22.84	22.53	1.0	23.5
			1	104	22.92	22.80	22.61	1.0	23.5
64QAM	1	1	21.85	21.68	21.48	2.5	22.0		
256QAM	1	1	19.18	18.99	18.73	4.5	20.0		
CP-OFDM	QPSK	1	1	22.76	22.74	22.45	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	24.37	24.13	23.90	0.0	24.5
			1	40	24.26	23.98	23.82	0.0	24.5
			1	77	24.18	24.02	23.83	0.0	24.5
			36	0	23.23	23.04	22.78	0.5	24.0
			36	22	24.35	23.98	23.85	0.0	24.5
			36	43	23.12	22.99	22.78	0.5	24.0
		75	0	23.23	22.99	22.71	0.5	24.0	
		QPSK	1	1	24.42	24.15	23.91	0.0	24.5
			1	40	24.28	24.03	23.80	0.0	24.5
			1	77	24.17	24.05	23.82	0.0	24.5
			36	0	23.28	23.02	22.78	1.0	23.5
			36	22	24.34	24.03	23.85	0.0	24.5
			36	43	23.18	23.04	22.78	1.0	23.5
		75	0	23.20	22.98	22.72	1.0	23.5	
		16QAM	1	1	23.22	22.98	22.75	1.0	23.5
			1	40	23.10	22.81	22.61	1.0	23.5
			1	77	23.04	22.85	22.61	1.0	23.5
64QAM	1	1	21.95	21.76	21.47	2.5	22.0		
256QAM	1	1	19.27	19.03	18.80	4.5	20.0		
CP-OFDM	QPSK	1	1	22.97	22.81	22.53	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	24.31	24.04	23.86	0.0	24.5
			1	26	24.30	24.01	23.84	0.0	24.5
			1	50	24.18	23.93	23.77	0.0	24.5
			25	0	23.27	23.00	22.87	0.5	24.0
			25	14	24.33	24.00	23.90	0.0	24.5
			25	27	23.22	22.96	22.83	0.5	24.0
		QPSK	50	0	23.26	22.94	22.87	0.5	24.0
			1	1	24.34	24.01	23.89	0.0	24.5
			1	26	24.31	23.99	23.87	0.0	24.5
			1	50	24.18	23.94	23.79	0.0	24.5
			25	0	23.32	22.98	22.85	1.0	23.5
			25	14	24.35	24.05	23.90	0.0	24.5
		16QAM	25	27	23.25	22.97	22.82	1.0	23.5
			50	0	23.25	22.93	22.87	1.0	23.5
			1	1	23.22	22.86	22.66	1.0	23.5
		64QAM	1	26	23.20	22.82	22.63	1.0	23.5
1	50		23.10	22.76	22.58	1.0	23.5		
256QAM	1	1	21.93	21.68	21.57	2.5	22.0		
CP-OFDM	QPSK	1	1	19.24	18.90	18.77	4.5	20.0	
		1	1	22.92	22.60	22.41	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	24.22	23.91	23.74	0.0	24.5
			1	13	24.34	24.03	23.85	0.0	24.5
			1	23	24.19	23.89	23.74	0.0	24.5
			12	0	23.27	22.95	22.73	0.5	24.0
			12	7	24.29	23.99	23.82	0.0	24.5
			12	13	23.21	22.88	22.70	0.5	24.0
		QPSK	25	0	23.25	22.93	22.74	0.5	24.0
			1	1	24.22	23.95	23.77	0.0	24.5
			1	13	24.31	24.07	23.87	0.0	24.5
			1	23	24.21	23.87	23.73	0.0	24.5
			12	0	23.22	22.92	22.74	1.0	23.5
			12	7	24.27	23.97	23.80	0.0	24.5
		16QAM	12	13	23.19	22.96	22.75	1.0	23.5
			25	0	23.22	22.93	22.79	1.0	23.5
			1	1	23.18	22.82	22.59	1.0	23.5
		64QAM	1	13	23.17	22.86	22.60	1.0	23.5
1	23		23.15	22.81	22.62	1.0	23.5		
256QAM	1	1	21.87	21.63	21.49	2.5	22.0		
CP-OFDM	QPSK	1	1	19.22	18.96	18.73	4.5	20.0	
		1	1	22.89	22.60	22.45	1.5	23.0	

NR Band n66 (ANT E)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)				
					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	23.17	23.28	23.09	0.0	24.0
			1	108	22.99	22.98	22.98	0.0	24.0
			1	214	23.14	23.17	23.03	0.0	24.0
			108	0	22.07	22.03	22.00	0.5	23.5
			108	54	23.13	23.07	23.07	0.0	24.0
			108	108	21.97	22.04	21.99	0.5	23.5
		216	0	22.15	22.19	22.08	0.5	23.5	
		QPSK	1	1	23.13	23.29	23.12	0.0	24.0
			1	108	23.05	23.02	23.01	0.0	24.0
			1	214	23.04	23.21	23.05	0.0	24.0
			108	0	22.07	22.07	21.91	1.0	23.0
			108	54	23.14	23.11	23.04	0.0	24.0
			108	108	21.96	22.06	22.00	1.0	23.0
		216	0	22.17	22.17	22.08	1.0	23.0	
		16QAM	1	1	22.03	22.20	21.97	1.0	23.0
			1	108	22.05	22.01	21.97	1.0	23.0
		64QAM	1	1	20.70	20.86	20.67	2.5	21.5
			1	1	17.97	18.13	17.94	4.5	19.5
256QAM	1	1	17.97	18.13	17.94	4.5	19.5		
CP-OFDM	QPSK	1	1	21.76	21.82	21.64	1.5	22.5	
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	23.25	23.26	23.08	0.0	24.0
			1	93	23.40	23.33	23.31	0.0	24.0
			1	186	23.16	23.26	23.16	0.0	24.0
			90	0	22.33	22.40	22.18	0.5	23.5
			90	49	23.35	22.25	23.29	0.0	24.0
			90	98	22.21	22.27	22.26	0.5	23.5
		180	0	22.31	22.31	22.20	0.5	23.5	
		QPSK	1	1	23.28	23.34	23.09	0.0	24.0
			1	93	23.44	23.30	23.32	0.0	24.0
			1	186	23.15	23.26	23.19	0.0	24.0
			90	0	22.33	22.25	22.15	1.0	23.0
			90	49	23.40	23.31	23.26	0.0	24.0
			90	98	22.26	22.22	22.23	1.0	23.0
		180	0	22.27	22.26	22.18	1.0	23.0	
		16QAM	1	1	22.24	22.34	22.06	1.0	23.0
			1	93	22.35	22.14	22.13	1.0	23.0
		64QAM	1	1	20.91	20.95	20.79	2.5	21.5
			1	1	18.23	18.29	18.07	4.5	19.5
256QAM	1	1	18.23	18.29	18.07	4.5	19.5		
CP-OFDM	QPSK	1	1	22.00	22.03	21.84	1.5	22.5	
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	23.45	23.48	23.32	0.0	24.0
			1	80	23.56	23.31	23.42	0.0	24.0
			1	158	23.41	23.43	23.39	0.0	24.0
			80	0	22.37	22.32	22.29	0.5	23.5
			80	40	22.38	23.30	22.26	0.0	24.0
			80	80	22.35	22.25	22.33	0.5	23.5
		160	0	22.41	22.33	22.28	0.5	23.5	
		QPSK	1	1	23.51	23.46	23.32	0.0	24.0
			1	80	23.55	23.31	23.41	0.0	24.0
			1	158	23.40	23.43	23.47	0.0	24.0
			80	0	22.40	22.31	22.26	1.0	23.0
			80	40	23.55	23.29	23.35	0.0	24.0
			80	80	22.36	22.23	22.30	1.0	23.0
		160	0	22.45	22.33	22.33	1.0	23.0	
		16QAM	1	1	22.29	22.36	22.19	1.0	23.0
			1	80	22.37	22.20	22.24	1.0	23.0
		64QAM	1	1	22.30	22.28	22.21	1.0	23.0
			1	1	21.02	21.01	20.92	2.5	21.5
256QAM	1	1	18.39	18.35	18.26	4.5	19.5		
CP-OFDM	QPSK	1	1	22.09	22.01	21.90	1.5	22.5	

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	23.52	23.50	23.38	0.0	24.0
			1	67	23.43	23.28	23.41	0.0	24.0
			1	131	23.43	23.31	23.33	0.0	24.0
			64	0	22.32	22.27	22.31	0.5	23.5
			64	35	23.43	23.24	23.40	0.0	24.0
			64	69	22.27	22.18	22.34	0.5	23.5
		128	0	22.39	22.27	22.29	0.5	23.5	
		QPSK	1	1	23.47	23.52	23.44	0.0	24.0
			1	67	23.44	23.28	23.45	0.0	24.0
			1	131	23.42	23.31	23.37	0.0	24.0
			64	0	22.39	22.26	22.29	1.0	23.0
			64	35	23.47	23.31	23.38	0.0	24.0
			64	69	22.35	22.21	22.32	1.0	23.0
		128	0	22.37	22.30	22.28	1.0	23.0	
		16QAM	1	1	22.31	22.38	22.35	1.0	23.0
1	67		22.35	22.21	22.29	1.0	23.0		
1	131		22.30	22.23	22.22	1.0	23.0		
64QAM	1	1	21.00	21.08	20.98	2.5	21.5		
256QAM	1	1	18.38	18.38	18.33	4.5	19.5		
CP-OFDM	QPSK	1	1	22.09	22.07	21.96	1.5	22.5	
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	23.36	23.31	23.26	0.0	24.0
			1	53	23.27	23.28	23.30	0.0	24.0
			1	104	23.18	23.26	23.32	0.0	24.0
			50	0	22.29	22.24	22.26	0.5	23.5
			50	28	23.29	23.27	23.32	0.0	24.0
			50	56	22.21	22.23	22.24	0.5	23.5
		100	0	22.41	22.37	22.34	0.5	23.5	
		QPSK	1	1	23.39	23.29	23.23	0.0	24.0
			1	53	23.31	23.26	23.36	0.0	24.0
			1	104	23.19	23.25	23.37	0.0	24.0
			50	0	22.27	22.24	22.24	1.0	23.0
			50	28	23.28	23.27	23.34	0.0	24.0
			50	56	22.20	22.23	22.31	1.0	23.0
		100	0	22.41	22.36	22.38	1.0	23.0	
		16QAM	1	1	22.27	22.12	22.12	1.0	23.0
1	53		22.17	22.17	22.24	1.0	23.0		
1	104		22.08	22.12	22.21	1.0	23.0		
64QAM	1	1	20.91	20.84	20.84	2.5	21.5		
256QAM	1	1	18.29	18.17	18.17	4.5	19.5		
CP-OFDM	QPSK	1	1	22.00	21.90	21.84	1.5	22.5	
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	23.57	23.50	23.39	0.0	24.0
			1	40	23.40	23.28	23.34	0.0	24.0
			1	77	23.38	23.35	23.42	0.0	24.0
			36	0	22.34	22.24	22.28	0.5	23.5
			36	22	23.51	23.34	23.39	0.0	24.0
			36	43	22.26	22.24	22.29	0.5	23.5
		75	0	22.35	22.32	22.24	0.5	23.5	
		QPSK	1	1	23.55	23.45	23.36	0.0	24.0
			1	40	23.39	23.31	23.36	0.0	24.0
			1	77	23.37	23.33	23.41	0.0	24.0
			36	0	22.32	22.26	22.26	1.0	23.0
			36	22	23.47	23.34	23.38	0.0	24.0
			36	43	22.26	22.23	22.28	1.0	23.0
		75	0	22.34	22.29	22.23	1.0	23.0	
		16QAM	1	1	22.38	22.30	22.28	1.0	23.0
1	40		22.28	22.14	22.23	1.0	23.0		
1	77		22.23	22.22	22.24	1.0	23.0		
64QAM	1	1	21.09	20.96	20.94	2.5	21.5		
256QAM	1	1	18.40	18.32	18.26	4.5	19.5		
CP-OFDM	QPSK	1	1	22.17	22.01	22.00	1.5	22.5	

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	23.43	23.26	23.44	0.0	24.0
			1	26	23.32	23.35	23.49	0.0	24.0
			1	50	23.43	23.29	23.38	0.0	24.0
			25	0	22.46	22.24	22.40	0.5	23.5
			25	14	23.43	23.32	23.46	0.0	24.0
			25	27	22.41	22.29	22.37	0.5	23.5
		QPSK	50	0	22.38	22.25	22.35	0.5	23.5
			1	1	23.53	23.31	23.43	0.0	24.0
			1	26	23.34	23.32	23.47	0.0	24.0
			1	50	23.48	23.33	23.37	0.0	24.0
			25	0	22.47	22.21	22.39	1.0	23.0
			25	14	23.49	23.30	23.46	0.0	24.0
		16QAM	25	27	22.38	22.28	22.37	1.0	23.0
			50	0	22.36	22.24	22.34	1.0	23.0
			1	1	22.39	22.20	22.27	1.0	23.0
64QAM	1	26	22.32	22.19	22.32	1.0	23.0		
	1	50	22.31	22.17	22.27	1.0	23.0		
256QAM	1	1	21.10	20.85	20.96	2.5	21.5		
CP-OFDM	QPSK	1	1	18.41	18.17	18.29	4.5	19.5	
		1	1	22.05	21.85	21.92	1.5	22.5	
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	23.22	23.20	23.33	0.0	24.0
			1	13	23.40	23.30	23.49	0.0	24.0
			1	23	23.21	23.19	23.39	0.0	24.0
			12	0	22.29	22.22	22.33	0.5	23.5
			12	7	23.36	23.30	23.46	0.0	24.0
			12	13	22.16	22.22	22.38	0.5	23.5
		QPSK	25	0	22.27	22.25	22.35	0.5	23.5
			1	1	23.29	23.20	23.38	0.0	24.0
			1	13	23.38	23.32	23.47	0.0	24.0
			1	23	23.24	23.18	23.35	0.0	24.0
			12	0	22.32	22.24	22.37	1.0	23.0
			12	7	23.38	23.32	23.45	0.0	24.0
		16QAM	12	13	22.25	22.26	22.41	1.0	23.0
			25	0	22.33	22.20	22.40	1.0	23.0
			1	1	22.25	22.17	22.30	1.0	23.0
		64QAM	1	13	22.28	22.23	22.36	1.0	23.0
			1	23	22.16	22.18	22.30	1.0	23.0
		256QAM	1	1	20.92	20.86	21.01	2.5	21.5
CP-OFDM	QPSK	1	1	18.31	18.17	18.34	4.5	19.5	
		1	1	22.00	21.91	21.98	1.5	22.5	

NR Band n77(3450-3550 MHz) (ANT E)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)				
					Measured Pwr (dBm)			MPR	Tune-up Limit
					633332	3499.98 MHz			
100 MHz	DFT-s-OFDM	π/2 BPSK	1	1				0.0	25.5
			1	137				0.0	25.5
			1	271				0.0	25.5
			135	0				0.5	25.0
			135	69				0.0	25.5
			135	138				0.5	25.0
		270	0				0.5	25.0	
		QPSK	1	1				0.0	25.5
			1	137				0.0	25.5
			1	271				0.0	25.5
			135	0				1.0	24.5
			135	69				0.0	25.5
			135	138				1.0	24.5
		270	0				1.0	24.5	
		16QAM	1	1				1.0	24.5
			1	137				1.0	24.5
			1	271				1.0	24.5
64QAM	1	1				2.5	23.0		
	1	1				4.5	21.0		
256QAM	1	1				4.5	21.0		
CP-OFDM	QPSK	1	1				1.5	24.0	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					633000	633332	633666		
					3495.00 MHz	3499.98 MHz	3504.99MHz		
90 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.02	24.09	24.14	0.0	25.5
			1	123	24.33	24.37	24.37	0.0	25.5
			1	243	24.50	24.46	24.44	0.0	25.5
			120	0	23.66	23.73	23.75	0.5	25.0
			120	63	24.43	24.47	24.48	0.0	25.5
			120	125	23.97	24.01	23.94	0.5	25.0
		243	0	23.98	24.01	24.02	0.5	25.0	
		QPSK	1	1	24.15	24.20	24.23	0.0	25.5
			1	123	24.49	24.50	24.49	0.0	25.5
			1	243	24.71	24.64	24.60	0.0	25.5
			120	0	23.29	23.37	23.40	1.0	24.5
			120	63	24.55	24.58	24.58	0.0	25.5
			120	125	23.61	23.63	23.61	1.0	24.5
		243	0	23.61	23.63	23.63	1.0	24.5	
		16QAM	1	1	23.14	23.22	22.96	1.0	24.5
		64QAM	1	1	21.37	22.00	21.61	2.5	23.0
		256QAM	1	1	19.49	19.70	19.80	4.5	21.0
CP-OFDM	QPSK	1	1	22.70	22.71	22.78	1.5	24.0	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					632668	633332	634000		
					3490.02 MHz	3499.98 MHz	3510.00 MHz		
80 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.93	23.99	24.13	0.0	25.5
			1	109	24.16	24.21	24.21	0.0	25.5
			1	215	24.49	24.43	24.36	0.0	25.5
			108	0	23.64	23.70	23.88	0.5	25.0
			108	55	24.39	24.44	24.46	0.0	25.5
			108	109	23.96	23.92	23.91	0.5	25.0
		216	0	23.94	23.91	23.96	0.5	25.0	
		QPSK	1	1	24.06	24.11	24.25	0.0	25.5
			1	109	24.36	24.34	24.33	0.0	25.5
			1	215	24.72	24.60	24.51	0.0	25.5
			108	0	23.30	23.33	23.54	1.0	24.5
			108	55	24.54	24.53	24.57	0.0	25.5
			108	109	23.64	23.60	23.58	1.0	24.5
		216	0	23.60	23.62	23.67	1.0	24.5	
		16QAM	1	1	22.91	23.27	23.33	1.0	24.5
		64QAM	1	1	21.40	21.97	21.91	2.5	23.0
		256QAM	1	1	19.32	19.79	19.51	4.5	21.0
CP-OFDM	QPSK	1	1	22.61	22.71	22.82	1.5	24.0	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					632334	633332	634332		
					3485.01 MHz	3499.98 MHz	3514.98 MHz		
70 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.76	23.73	23.96	0.0	25.5
			1	95	24.21	24.05	24.14	0.0	25.5
			1	188	24.43	24.14	24.09	0.0	25.5
			90	0	23.65	23.56	23.87	0.5	25.0
			90	50	24.00	24.28	24.37	0.0	25.5
			90	99	23.76	23.78	23.82	0.5	25.0
		180	0	23.53	23.73	23.85	0.5	25.0	
		QPSK	1	1	23.86	24.04	24.18	0.0	25.5
			1	95	24.33	24.34	24.40	0.0	25.5
			1	188	24.56	24.46	24.33	0.0	25.5
			90	0	23.24	23.41	23.57	1.0	24.5
			90	50	24.38	24.55	24.57	0.0	25.5
			90	99	23.59	23.60	23.56	1.0	24.5
		180	0	23.33	23.53	23.55	1.0	24.5	
16QAM	1	1	23.04	22.99	22.89	1.0	24.5		
64QAM	1	1	21.37	21.20	21.42	2.5	23.0		
256QAM	1	1	19.48	19.48	19.75	4.5	21.0		
CP-OFDM	QPSK	1	1	22.45	22.67	22.83	1.5	24.0	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					632000	633332	634666		
					3480.00 MHz	3499.98 MHz	3519.99 MHz		
60 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.62	24.06	24.30	0.0	25.5
			1	81	23.97	24.20	24.28	0.0	25.5
			1	160	24.23	24.36	24.25	0.0	25.5
			81	0	23.49	23.77	23.92	0.5	25.0
			81	41	24.15	24.38	24.43	0.0	25.5
			81	81	23.80	23.94	23.92	0.5	25.0
		162	0	23.71	23.94	23.97	0.5	25.0	
		QPSK	1	1	23.82	24.20	24.47	0.0	25.5
			1	81	24.09	24.34	24.36	0.0	25.5
			1	160	24.35	24.43	24.30	0.0	25.5
			81	0	23.10	23.38	23.49	1.0	24.5
			81	41	24.22	24.43	24.46	0.0	25.5
			81	81	23.38	23.47	23.39	1.0	24.5
		162	0	23.36	23.53	23.52	1.0	24.5	
16QAM	1	1	22.77	23.00	23.23	1.0	24.5		
64QAM	1	1	20.78	21.31	21.28	2.5	23.0		
256QAM	1	1	19.18	19.57	19.74	4.5	21.0		
CP-OFDM	QPSK	1	1	22.36	22.67	22.95	1.5	24.0	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					631668	633332	635000		
					3475.02 MHz	3499.98 MHz	3525.00 MHz		
50 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.07	24.34	24.51	0.0	25.5
			1	67	24.27	24.49	24.40	0.0	25.5
			1	131	24.55	24.68	24.45	0.0	25.5
			64	0	23.73	24.09	24.04	0.5	25.0
			64	35	24.38	24.64	24.53	0.0	25.5
			64	69	24.05	24.21	23.99	0.5	25.0
		128	0	23.93	24.17	24.03	0.5	25.0	
		QPSK	1	1	24.10	24.51	24.69	0.0	25.5
			1	67	24.29	24.61	24.46	0.0	25.5
			1	131	24.60	24.80	24.56	0.0	25.5
			64	0	23.35	23.65	23.59	1.0	24.5
			64	35	24.43	24.71	24.55	0.0	25.5
			64	69	23.57	23.77	23.52	1.0	24.5
		128	0	23.44	23.72	23.58	1.0	24.5	
16QAM	1	1	23.00	23.25	23.51	1.0	24.5		
64QAM	1	1	21.55	21.81	22.04	2.5	23.0		
256QAM	1	1	19.24	19.79	19.97	4.5	21.0		
CP-OFDM	QPSK	1	1	22.62	23.03	23.14	1.5	24.0	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					631334	633332	635332		
					3470.01 MHz	3499.98 MHz	3529.98 MHz		
40 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.53	23.87	24.62	0.0	25.5
			1	53	23.64	23.91	24.56	0.0	25.5
			1	104	23.87	23.92	24.48	0.0	25.5
			50	0	23.18	23.49	24.26	0.5	25.0
			50	28	23.78	24.02	24.74	0.0	25.5
			50	56	23.39	23.50	24.16	0.5	25.0
		100	0	23.36	23.65	24.29	0.5	25.0	
		QPSK	1	1	23.87	24.28	24.65	0.0	25.5
			1	53	23.98	24.40	24.57	0.0	25.5
			1	104	24.24	24.47	24.51	0.0	25.5
			50	0	23.00	23.41	23.74	1.0	24.5
			50	28	24.11	24.47	24.78	0.0	25.5
			50	56	23.24	23.49	23.64	1.0	24.5
		100	0	23.24	23.57	23.86	1.0	24.5	
16QAM	1	1	22.87	23.29	23.63	1.0	24.5		
64QAM	1	1	21.21	21.91	22.25	2.5	23.0		
256QAM	1	1	19.32	19.74	20.06	4.5	21.0		
CP-OFDM	QPSK	1	1	22.48	22.86	23.18	1.5	24.0	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					631000	633332	635668		
					3465.00 MHz	3499.98 MHz	3535.02 MHz		
30 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.50	23.84	23.83	0.0	25.5
			1	39	23.58	23.89	23.73	0.0	25.5
			1	76	23.76	23.84	23.65	0.0	25.5
			36	0	23.05	23.40	23.37	0.5	25.0
			36	21	23.68	23.87	23.73	0.0	25.5
			36	42	23.28	23.37	23.22	0.5	25.0
		75	0	23.19	23.46	23.28	0.5	25.0	
		QPSK	1	1	23.85	24.22	24.30	0.0	25.5
			1	39	23.97	24.28	24.15	0.0	25.5
			1	76	24.14	24.34	24.06	0.0	25.5
			36	0	22.90	23.26	23.21	1.0	24.5
			36	21	23.98	24.27	24.17	0.0	25.5
			36	42	23.16	23.32	23.18	1.0	24.5
		75	0	23.03	23.29	23.21	1.0	24.5	
16QAM	1	1	22.81	23.17	23.41	1.0	24.5		
64QAM	1	1	21.35	21.60	22.00	2.5	23.0		
256QAM	1	1	19.33	19.75	19.90	4.5	21.0		
CP-OFDM	QPSK	1	1	22.56	22.97	23.05	1.5	24.0	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					630834	633332	635832		
					3462.51 MHz	3499.98 MHz	3537.48 MHz		
25 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.40	23.86	23.84	0.0	25.5
			1	32	23.55	23.87	23.71	0.0	25.5
			1	63	23.69	23.87	23.70	0.0	25.5
			32	0	22.94	23.33	23.28	0.5	25.0
			32	16	23.54	23.84	23.69	0.0	25.5
			32	33	23.65	23.88	23.73	0.5	25.0
		64	0	23.09	23.34	23.27	0.5	25.0	
		QPSK	1	1	23.44	23.90	23.83	0.0	25.5
			1	32	23.59	23.90	23.80	0.0	25.5
			1	63	23.70	23.86	23.71	0.0	25.5
			32	0	22.43	22.87	22.79	1.0	24.5
			32	16	23.55	23.82	23.74	0.0	25.5
			32	33	23.62	23.87	23.74	1.0	24.5
		64	0	22.60	22.89	22.76	1.0	24.5	
16QAM	1	1	22.66	22.93	22.91	1.0	24.5		
64QAM	1	1	21.11	21.45	21.48	2.5	23.0		
256QAM	1	1	19.04	19.45	19.50	4.5	21.0		
CP-OFDM	QPSK	1	1	22.13	22.54	22.54	1.5	24.0	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					630668	633332	636000		
					3460.02 MHz	3499.98 MHz	3540.00 MHz		
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.44	23.79	23.67	0.0	25.5
			1	26	23.01	23.33	23.17	0.0	25.5
			1	49	23.13	23.43	23.28	0.0	25.5
			25	0	23.15	23.39	23.20	0.5	25.0
			25	13	23.57	23.89	23.64	0.0	25.5
			25	26	23.14	23.38	23.17	0.5	25.0
		QPSK	50	0	23.13	23.31	23.04	0.5	25.0
			1	1	23.82	24.20	24.07	0.0	25.5
			1	26	23.86	23.24	23.06	0.0	25.5
			1	49	23.02	23.30	23.14	0.0	25.5
			25	0	22.96	23.22	23.01	1.0	24.5
			25	13	23.95	24.25	24.05	0.0	25.5
		16QAM	25	26	22.96	23.25	23.10	1.0	24.5
			50	0	23.04	23.22	22.96	1.0	24.5
1	1		22.77	23.24	23.21	1.0	24.5		
64QAM	1	1	21.36	21.59	21.93	2.5	23.0		
	1	1	19.22	19.74	19.73	4.5	21.0		
CP-OFDM	QPSK	1	1	22.45	22.76	22.91	1.5	24.0	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					630500	633332	636168		
					3457.5 MHz	3499.98 MHz	3542.52 MHz		
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.38	23.76	23.56	0.0	25.5
			1	19	23.45	23.74	23.48	0.0	25.5
			1	36	23.53	23.78	23.50	0.0	25.5
			18	0	22.95	23.36	23.14	0.5	25.0
			18	10	23.54	23.89	23.55	0.0	25.5
			18	20	23.02	23.34	23.10	0.5	25.0
		QPSK	36	0	23.01	23.39	23.12	0.5	25.0
			1	1	23.77	24.26	24.06	0.0	25.5
			1	19	23.82	24.22	23.98	0.0	25.5
			1	36	23.87	24.22	24.01	0.0	25.5
			18	0	22.80	23.26	23.06	1.0	24.5
			18	10	23.97	24.32	24.11	0.0	25.5
		16QAM	18	20	22.90	23.28	23.03	1.0	24.5
			36	0	22.86	23.26	23.05	1.0	24.5
1	1		22.73	23.20	23.00	1.0	24.5		
64QAM	1	1	21.32	21.60	22.04	2.5	23.0		
	1	1	19.15	19.72	19.14	4.5	21.0		
CP-OFDM	QPSK	1	1	22.41	22.75	22.55	1.5	24.0	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					630334	633332	636332		
					3455.01 MHz	3499.98 MHz	3544.98 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.37	23.78	23.65	0.0	25.5
			1	12	23.33	23.68	23.53	0.0	25.5
			1	22	23.45	23.72	23.63	0.0	25.5
			12	0	22.92	23.28	23.17	0.5	25.0
			12	6	23.39	23.76	23.60	0.0	25.5
			12	12	22.98	23.25	23.12	0.5	25.0
		QPSK	24	0	22.97	23.29	23.16	0.5	25.0
			1	1	23.73	24.21	24.05	0.0	25.5
			1	12	23.74	24.15	24.03	0.0	25.5
			1	22	23.84	24.19	24.03	0.0	25.5
			12	0	22.74	23.21	23.12	1.0	24.5
			12	6	23.73	24.14	24.05	0.0	25.5
		16QAM	12	12	22.81	23.17	23.06	1.0	24.5
			24	0	22.81	23.17	23.04	1.0	24.5
1	1		22.74	23.16	23.39	1.0	24.5		
64QAM	1	1	21.26	21.82	22.06	2.5	23.0		
	1	1	19.30	19.99	19.52	4.5	21.0		
CP-OFDM	QPSK	1	1	22.68	22.25	22.53	1.5	24.0	

NR Band n77(3450-3550 MHz) (ANT C) (SRS1), (ANT F) (SRS2), (ANT A) (SRS3)

Maximum Average Power (dBm) SRS1			Tune-up Limit 18.0	Maximum Average Power (dBm) SRS2			Tune-up Limit 25.5	Maximum Average Power (dBm) SRS3			Tune-up Limit 20.0
BW (MHz)	RB Allocation	RB offset	MFR	BW (MHz)	RB Allocation	RB offset	MFR	BW (MHz)	RB Allocation	RB offset	MFR
	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	
		15.94				24.78				19.11	
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
	16.02	16.00	16.00		24.97	24.92	24.96		19.26	19.26	19.20
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
	16.07	16.03	15.95		24.93	24.90	24.89		19.27	19.22	19.20
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
	15.90	15.80	15.76		24.87	24.84	24.78		19.14	19.11	19.04
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
	16.04	15.94	15.75		25.00	24.95	24.76		19.24	19.13	19.05
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
	16.32	16.19	16.00		25.24	25.19	24.95		19.54	19.40	19.23
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
	16.25	16.05	15.82		25.15	25.15	24.92		19.40	19.31	19.11
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
	16.26	16.07	15.79		25.22	25.10	24.88		19.48	19.11	19.13
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
	16.28	16.11	15.78		25.20	25.06	24.88		19.47	19.30	19.07
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
	16.16	16.00	15.72		25.16	25.00	24.78		19.38	19.26	19.05
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
	16.21	16.04	15.67		25.18	24.91	24.73		19.42	19.28	19.04
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
	16.21	16.00	15.79		25.20	24.92	24.82		19.43	19.28	19.07

NR Band n77(3700-3980 MHz) (ANT E)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)				
					Measured Pwr (dBm)			MPR	Tune-up Limit
					650000	656000	662000		
3750.00 MHz	3840.00 MHz	3930.00 MHz							
100 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.15	23.28	23.25	0.0	25.5
			1	137	23.19	23.14	23.15	0.0	25.5
			1	271	23.26	23.23	23.01	0.0	25.5
			135	0	22.80	22.77	22.66	0.5	25.0
			135	69	23.23	23.20	23.25	0.0	25.5
			135	138	22.85	22.92	22.53	0.5	25.0
		270	0	22.88	22.91	22.63	0.5	25.0	
		QPSK	1	1	23.11	23.19	23.30	0.0	25.5
			1	137	23.20	23.14	23.14	0.0	25.5
			1	271	23.36	23.15	23.09	0.0	25.5
			135	0	22.21	22.24	22.22	1.0	24.5
			135	69	23.19	23.30	23.05	0.0	25.5
			135	138	22.49	22.32	22.48	1.0	24.5
		16QAM	1	1	22.49	22.52	22.41	1.0	24.5
			1	137	22.53	22.30	22.88	1.0	24.5
		64QAM	1	1	20.89	21.04	21.19	2.5	23.0
			1	1	18.78	18.82	19.12	4.5	21.0
		256QAM	1	1	18.78	18.82	19.12	4.5	21.0
	CP-OFDM	QPSK	1	1	21.71	22.19	22.15	1.5	24.0
	90 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.69	23.95	23.91	0.0
1				123	23.82	23.83	23.38	0.0	25.5
1		243		24.05	23.93	23.80	0.0	25.5	
120	0	23.28		23.36	23.26	0.5	25.0		
120	63	23.96		23.94	23.55	0.0	25.5		
120	125	23.50		23.45	23.09	0.5	25.0		
QPSK	1	1	23.80	24.05	23.92	0.0	25.5		
	1	123	23.89	23.93	23.44	0.0	25.5		
	1	243	24.18	24.07	23.84	0.0	25.5		
	120	0	22.88	23.02	22.81	1.0	24.5		
	120	63	24.02	24.08	23.62	0.0	25.5		
	120	125	23.09	23.09	22.69	1.0	24.5		
16QAM	1	1	23.09	23.32	23.29	1.0	24.5		
	1	1	21.38	21.56	21.54	2.5	23.0		
64QAM	1	1	19.49	19.80	19.66	4.5	21.0		
256QAM	1	1	19.49	19.80	19.66	4.5	21.0		
CP-OFDM	QPSK	1	1	22.55	22.74	22.77	1.5	24.0	
80 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.56	23.80	23.75	0.0	25.5
			1	109	23.72	23.70	23.24	0.0	25.5
	1		215	23.88	23.86	23.71	0.0	25.5	
108	0		23.22	23.31	23.15	0.5	25.0		
108	55		23.86	23.94	23.52	0.0	25.5		
108	109		23.41	23.45	23.06	0.5	25.0		
QPSK	1	1	23.72	23.95	23.91	0.0	25.5		
	1	109	23.81	23.82	23.43	0.0	25.5		
	1	215	24.08	24.04	23.90	0.0	25.5		
	108	0	22.88	23.00	22.82	1.0	24.5		
	108	55	24.04	24.11	23.63	0.0	25.5		
	108	109	23.04	23.11	22.75	1.0	24.5		
16QAM	1	1	23.07	23.00	23.01	1.0	24.5		
	1	1	21.73	21.64	21.48	2.5	23.0		
64QAM	1	1	19.52	19.47	19.33	4.5	21.0		
256QAM	1	1	19.52	19.47	19.33	4.5	21.0		
CP-OFDM	QPSK	1	1	22.61	22.74	22.63	1.5	24.0	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					649000	656000	663000		
					3735.00 MHz	3840.00 MHz	3945.00 MHz		
70 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.34	23.58	23.40	0.0	25.5
			1	95	23.47	23.62	23.20	0.0	25.5
			1	188	23.74	23.72	23.46	0.0	25.5
			90	0	23.05	23.26	23.07	0.5	25.0
			90	50	23.70	23.84	23.47	0.0	25.5
			90	99	23.38	23.40	23.03	0.5	25.0
		180	0	23.20	23.37	22.98	0.5	25.0	
		QPSK	1	1	23.56	23.74	23.66	0.0	25.5
			1	95	23.71	23.80	23.41	0.0	25.5
			1	188	23.88	23.93	23.68	0.0	25.5
			90	0	22.74	22.94	22.79	1.0	24.5
			90	50	23.86	24.05	23.60	0.0	25.5
			90	99	23.04	23.10	22.71	1.0	24.5
		180	0	22.90	23.09	22.68	1.0	24.5	
16QAM	1	1	22.74	22.63	22.83	1.0	24.5		
64QAM	1	1	20.75	21.16	20.95	2.5	23.0		
256QAM	1	1	19.15	19.45	19.19	4.5	21.0		
CP-OFDM	QPSK	1	1	22.37	22.75	22.40	1.5	24.0	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					648668	656000	663332		
					3730.02 MHz	3840.00 MHz	3949.98 MHz		
60 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.52	23.99	23.74	0.0	25.5
			1	81	23.68	23.94	23.45	0.0	25.5
			1	160	23.96	24.14	23.76	0.0	25.5
			81	0	23.28	23.59	23.17	0.5	25.0
			81	41	23.81	24.10	23.61	0.0	25.5
			81	81	23.38	23.62	23.20	0.5	25.0
		162	0	23.41	23.69	23.21	0.5	25.0	
		QPSK	1	1	23.53	23.93	23.71	0.0	25.5
			1	81	23.61	23.90	23.49	0.0	25.5
			1	160	23.94	24.08	23.79	0.0	25.5
			81	0	22.74	22.98	22.59	1.0	24.5
			81	41	23.73	24.01	23.58	0.0	25.5
			81	81	22.82	23.05	22.65	1.0	24.5
		162	0	22.81	23.16	22.72	1.0	24.5	
16QAM	1	1	22.54	22.94	22.63	1.0	24.5		
64QAM	1	1	20.90	21.59	21.29	2.5	23.0		
256QAM	1	1	19.00	19.42	19.08	4.5	21.0		
CP-OFDM	QPSK	1	1	22.31	22.58	22.42	1.5	24.0	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					648334	656000	663666		
					3725.01 MHz	3840.00 MHz	3954.99 MHz		
50 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.77	24.16	23.70	0.0	25.5
			1	67	23.81	24.10	23.77	0.0	25.5
			1	131	24.18	24.19	24.04	0.0	25.5
			64	0	23.36	23.75	23.36	0.5	25.0
			64	35	23.97	24.25	23.93	0.0	25.5
			64	69	23.64	23.76	23.45	0.5	25.0
		128	0	23.52	23.74	23.43	0.5	25.0	
		QPSK	1	1	23.75	24.21	23.76	0.0	25.5
			1	67	23.78	24.09	23.81	0.0	25.5
			1	131	24.15	24.16	24.11	0.0	25.5
			64	0	22.83	23.14	22.86	1.0	24.5
			64	35	23.85	24.25	23.91	0.0	25.5
			64	69	23.06	23.20	22.96	1.0	24.5
		128	0	22.86	23.18	22.92	1.0	24.5	
16QAM	1	1	22.78	23.21	22.70	1.0	24.5		
64QAM	1	1	21.17	21.78	21.34	2.5	23.0		
256QAM	1	1	19.20	19.51	19.17	4.5	21.0		
CP-OFDM	QPSK	1	1	22.71	22.77	22.35	1.5	24.0	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					648000	656000	664000		
					3720.02 MHz	3840.00 MHz	3960.00 MHz		
40 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.62	23.91	23.52	0.0	25.5
			1	53	23.63	23.88	23.54	0.0	25.5
			1	104	23.87	23.97	23.87	0.0	25.5
			50	0	23.21	23.58	23.24	0.5	25.0
			50	28	23.77	24.12	23.75	0.0	25.5
			50	56	23.46	23.62	23.43	0.5	25.0
		QPSK	100	0	23.30	23.64	23.31	0.5	25.0
			1	1	23.51	23.73	23.53	0.0	25.5
			1	53	23.51	23.74	23.57	0.0	25.5
			1	104	23.71	23.82	23.86	0.0	25.5
			50	0	22.62	22.90	22.67	1.0	24.5
			50	28	23.60	23.99	23.72	0.0	25.5
		16QAM	50	56	22.73	22.96	22.87	1.0	24.5
			100	0	22.80	23.09	22.81	1.0	24.5
1	1		22.72	22.95	22.51	1.0	24.5		
64QAM	1	1	21.18	21.52	21.17	2.5	23.0		
	1	1	19.02	19.26	19.03	4.5	21.0		
CP-OFDM	QPSK	1	1	22.36	22.47	22.09	1.5	24.0	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					647668	656000	664332		
					3715.02 MHz	3840.00 MHz	3964.98 MHz		
30 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.15	23.39	23.33	0.0	25.5
			1	39	23.15	23.31	23.23	0.0	25.5
			1	76	23.27	23.40	23.52	0.0	25.5
			36	0	22.62	22.91	22.87	0.5	25.0
			36	21	23.23	23.43	23.36	0.0	25.5
			36	42	22.71	22.92	23.01	0.5	25.0
		QPSK	75	0	22.68	22.95	22.87	0.5	25.0
			1	1	23.58	23.93	23.94	0.0	25.5
			1	39	23.66	23.82	23.93	0.0	25.5
			1	76	23.74	23.90	24.19	0.0	25.5
			36	0	22.59	22.94	22.97	1.0	24.5
			36	21	23.62	23.87	23.96	0.0	25.5
		16QAM	36	42	22.68	22.91	23.15	1.0	24.5
			75	0	22.65	22.99	23.04	1.0	24.5
1	1		22.55	22.84	22.54	1.0	24.5		
64QAM	1	1	21.21	21.43	21.40	2.5	23.0		
	1	1	19.08	19.41	19.13	4.5	21.0		
CP-OFDM	QPSK	1	1	22.27	22.61	22.22	1.5	24.0	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					647500	656000	664500		
					3712.50 MHz	3840.00 MHz	3967.50 MHz		
25 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.23	23.29	23.26	0.0	25.5
			1	32	23.08	23.16	23.18	0.0	25.5
			1	63	23.21	23.26	23.45	0.0	25.5
			32	0	22.51	22.80	22.75	0.5	25.0
			32	16	23.01	23.26	23.14	0.0	25.5
			32	33	23.01	23.24	23.36	0.5	25.0
		QPSK	64	0	22.52	22.78	22.76	0.5	25.0
			1	1	23.01	23.35	23.33	0.0	25.5
			1	32	23.18	23.23	23.25	0.0	25.5
			1	63	23.90	23.29	23.48	0.0	25.5
			32	0	22.27	22.26	22.27	1.0	24.5
			32	16	23.15	23.26	23.23	0.0	25.5
		16QAM	32	33	22.99	23.26	23.35	1.0	24.5
			64	0	22.23	22.26	22.29	1.0	24.5
1	1		22.29	22.45	22.36	1.0	24.5		
64QAM	1	1	20.58	20.99	20.95	2.5	23.0		
	1	1	18.63	19.07	18.91	4.5	21.0		
CP-OFDM	QPSK	1	1	21.64	22.03	21.88	1.5	24.0	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					647334	656000	664666		
					3710.01 MHz	3840.00 MHz	3969.99 MHz		
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.37	23.57	23.34	0.0	25.5
			1	26	23.01	23.13	23.15	0.0	25.5
			1	49	23.20	23.23	23.14	0.0	25.5
			25	0	23.11	23.21	23.03	0.5	25.0
			25	13	23.63	23.68	23.52	0.0	25.5
			25	26	23.18	23.20	23.09	0.5	25.0
		QPSK	50	0	23.07	23.02	23.03	0.5	25.0
			1	1	23.85	24.13	23.83	0.0	25.5
			1	26	23.24	23.15	23.17	0.0	25.5
			1	49	23.08	23.33	23.18	0.0	25.5
			25	0	23.02	23.22	23.10	1.0	24.5
			25	13	23.95	24.22	24.05	0.0	25.5
		16QAM	25	26	23.00	23.26	23.05	1.0	24.5
			50	0	22.95	23.12	23.11	1.0	24.5
1	1		22.23	22.71	22.39	1.0	24.5		
64QAM	1	1	20.72	21.29	20.87	2.5	23.0		
	1	1	18.81	19.24	18.97	4.5	21.0		
CP-OFDM	QPSK	1	1	21.92	22.40	21.94	1.5	24.0	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					647168	656000	664832		
					3709.52 MHz	3840.00 MHz	3972.48 MHz		
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.10	23.51	23.35	0.0	25.5
			1	19	23.09	23.45	23.37	0.0	25.5
			1	36	23.30	23.59	23.48	0.0	25.5
			18	0	22.68	23.05	22.89	0.5	25.0
			18	10	23.21	23.52	23.45	0.0	25.5
			18	20	22.69	23.09	22.94	0.5	25.0
		QPSK	36	0	22.67	23.07	22.94	0.5	25.0
			1	1	23.61	23.95	23.84	0.0	25.5
			1	19	23.55	23.88	23.87	0.0	25.5
			1	36	23.73	23.96	23.95	0.0	25.5
			18	0	22.60	23.00	22.88	1.0	24.5
			18	10	23.58	23.87	23.95	0.0	25.5
		16QAM	18	20	22.64	23.01	22.91	1.0	24.5
			36	0	22.61	22.94	22.87	1.0	24.5
1	1		22.15	22.55	22.34	1.0	24.5		
64QAM	1	1	20.64	21.29	20.75	2.5	23.0		
	1	1	18.93	19.30	19.03	4.5	21.0		
CP-OFDM	QPSK	1	1	21.90	22.21	22.42	1.5	24.0	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					647000	656000	665000		
					3705.00 MHz	3840.00 MHz	3975.00 MHz		
10 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.06	23.43	23.28	0.0	25.5
			1	12	23.18	23.45	23.29	0.0	25.5
			1	22	23.21	23.51	23.38	0.0	25.5
			12	0	22.58	22.97	22.81	0.5	25.0
			12	6	23.08	23.45	23.36	0.0	25.5
			12	12	22.74	23.02	22.92	0.5	25.0
		QPSK	24	0	22.69	23.00	22.89	0.5	25.0
			1	1	23.53	23.83	23.78	0.0	25.5
			1	12	23.60	23.87	23.83	0.0	25.5
			1	22	23.67	23.95	23.90	0.0	25.5
			12	0	22.47	22.87	22.74	1.0	24.5
			12	6	23.44	23.82	23.80	0.0	25.5
		16QAM	12	12	22.62	22.91	22.86	1.0	24.5
			24	0	22.48	22.87	22.83	1.0	24.5
1	1		22.48	22.52	22.60	1.0	24.5		
64QAM	1	1	21.30	21.36	21.25	2.5	23.0		
	1	1	19.07	19.10	19.06	4.5	21.0		
CP-OFDM	QPSK	1	1	22.57	22.22	22.40	1.5	24.0	

NR Band n77(3700-3980 MHz) (ANT C) (SRS1), (ANT F) (SRS2), (ANT A) (SRS3)

Maximum Average Power (dBm) SRS1			Tune-up Limit	Maximum Average Power (dBm) SRS2			Tune-up Limit	Maximum Average Power (dBm) SRS3			Tune-up Limit
			18.0				25.5				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	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
	16.31	15.92	15.81		25.15	25.33	25.28		18.54	18.70	18.05
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
	16.45	16.00	15.83		25.24	25.45	25.32		18.64	18.78	18.02
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
	16.54	16.03	15.81		25.25	25.41	25.39		18.67	18.74	18.05
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
	16.38	15.94	15.73		25.02	25.31	25.23		18.56	18.77	17.96
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
	16.45	15.95	15.70		25.05	25.22	25.17		18.63	18.80	17.79
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
	16.75	16.21	16.17		25.23	25.46	25.46		18.78	18.98	18.74
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
	16.65	16.13	16.00		25.02	25.45	25.38		18.65	18.92	18.54
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
	16.71	16.13	15.93		25.00	25.44	25.31		18.73	18.93	18.51
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
	16.80	16.13	15.88		25.15	25.24	25.20		18.75	18.94	18.49
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
	16.61	16.04	15.82		24.92	25.40	25.26		18.62	18.92	18.34
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
	16.68	16.00	15.76		24.93	25.39	25.18		18.58	18.90	18.30
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
	16.70	16.11	16.14		24.90	25.41	25.24		18.63	18.91	18.33

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

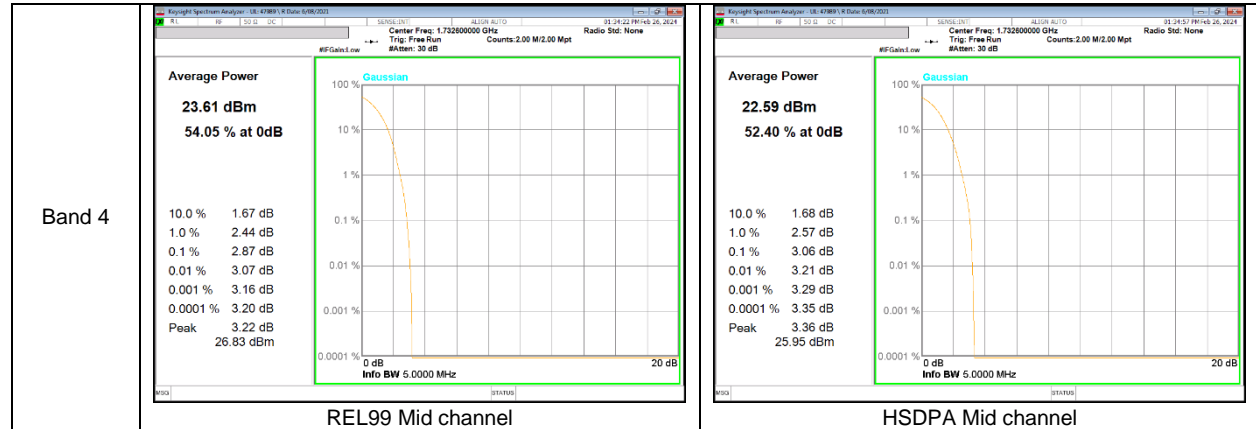
5G NR: All Waveforms (CP-OFDM vs DFT-s_OFDM) and modulations ($\pi/2$ BPSK, QPSK, 16QAM, 64QAM, 256QAM) were investigated to determine the worst case configuration. All Modes of operation were investigated and the worst case configuration results are reported in this section.

RESULTS

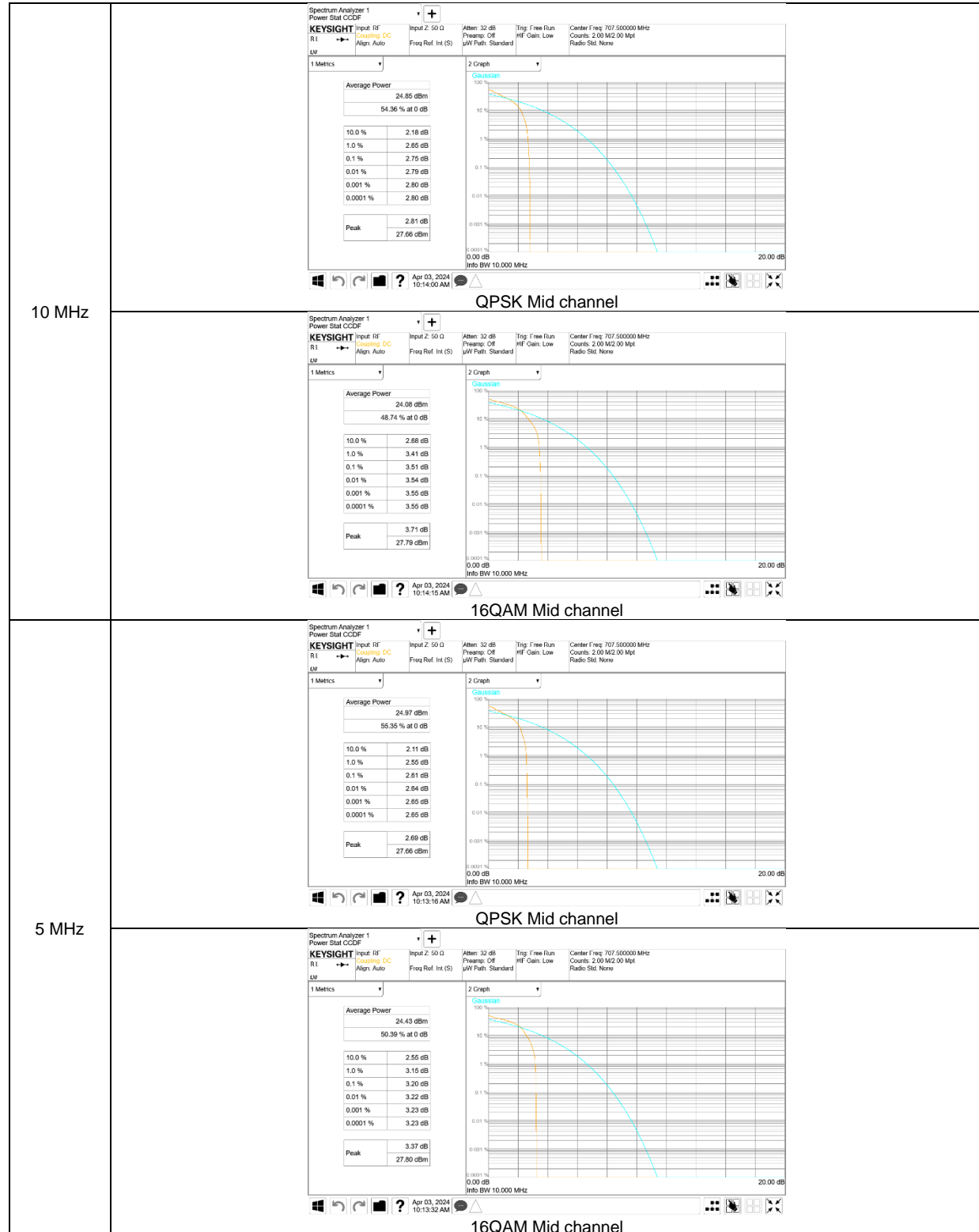
See the following pages.

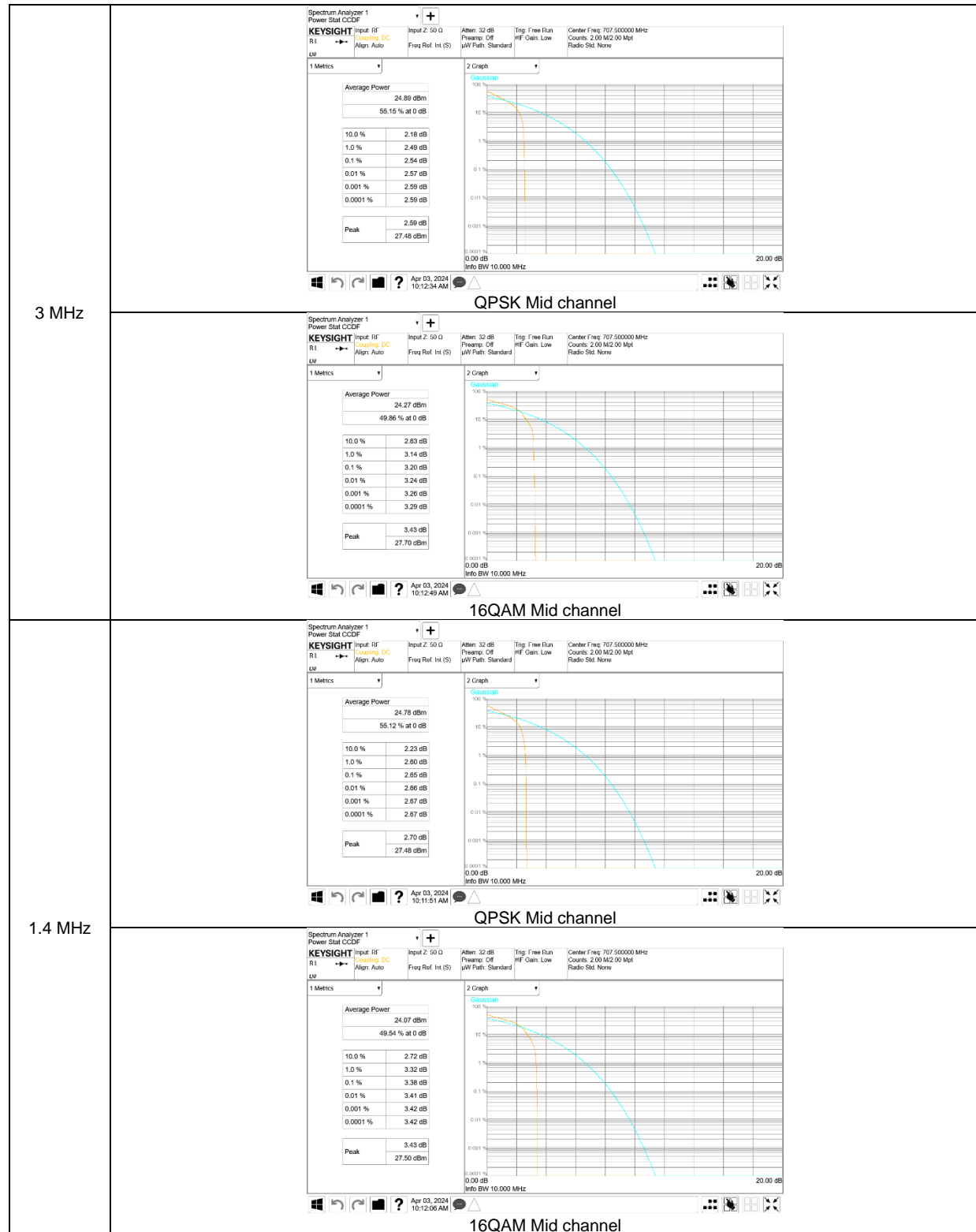
8.2.1. CONDUCTED PEAK TO AVERAGE RESULT

WCDMA

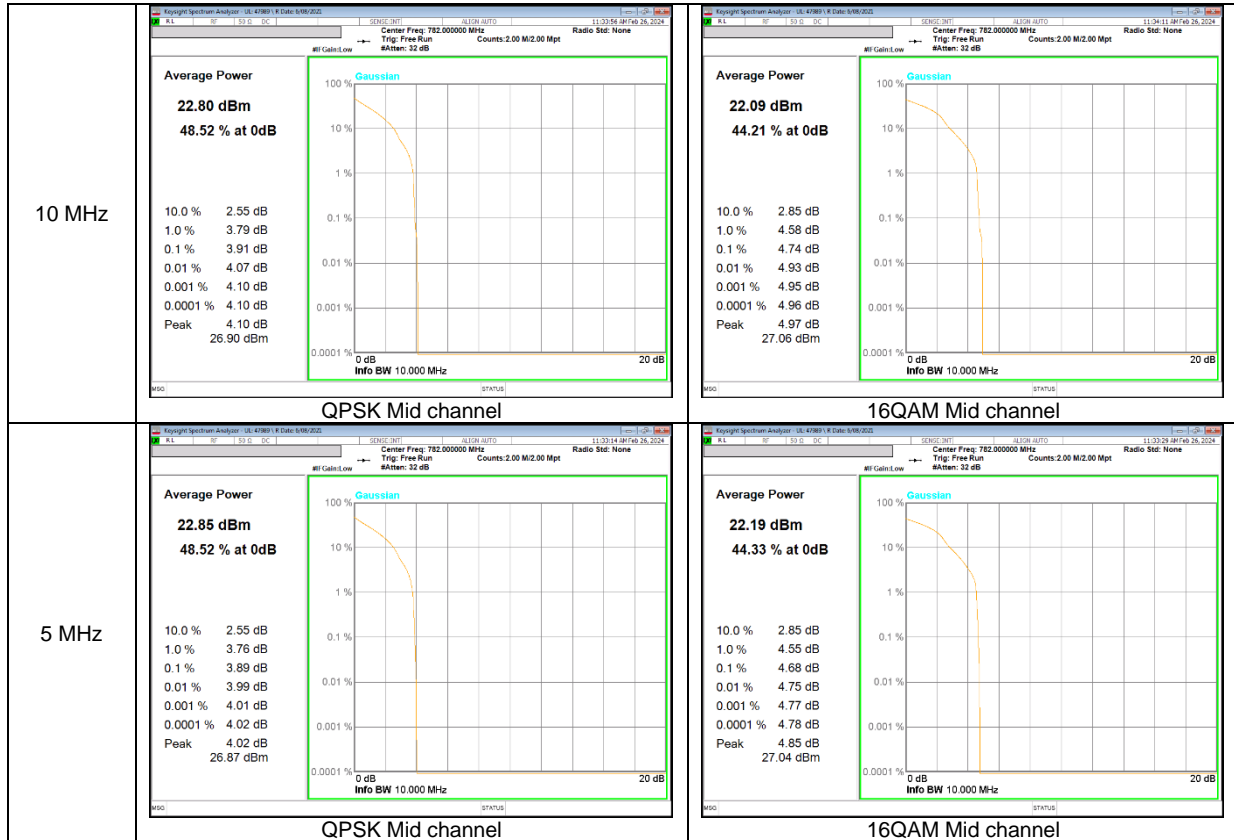


LTE Band 12





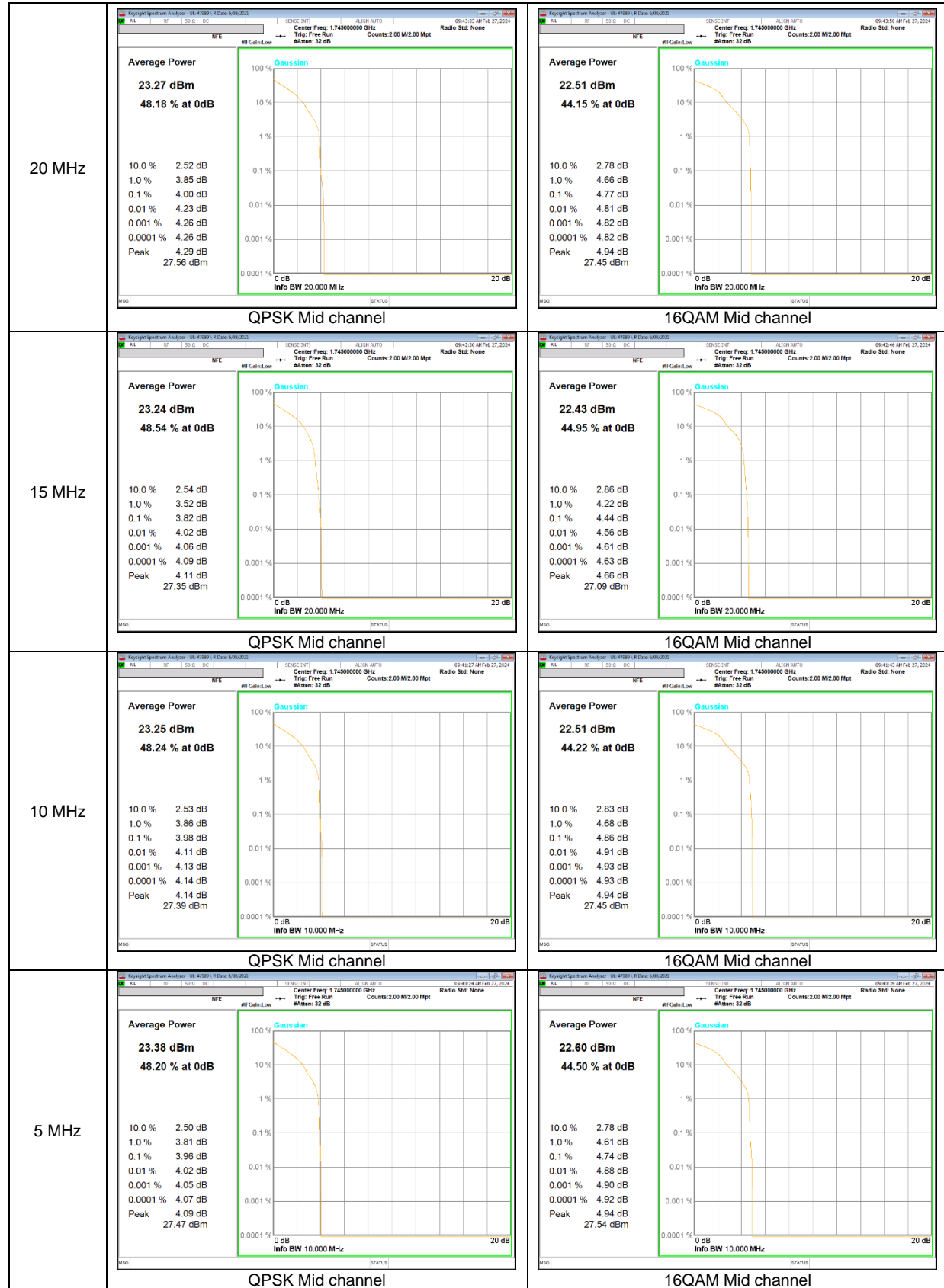
LTE Band 13

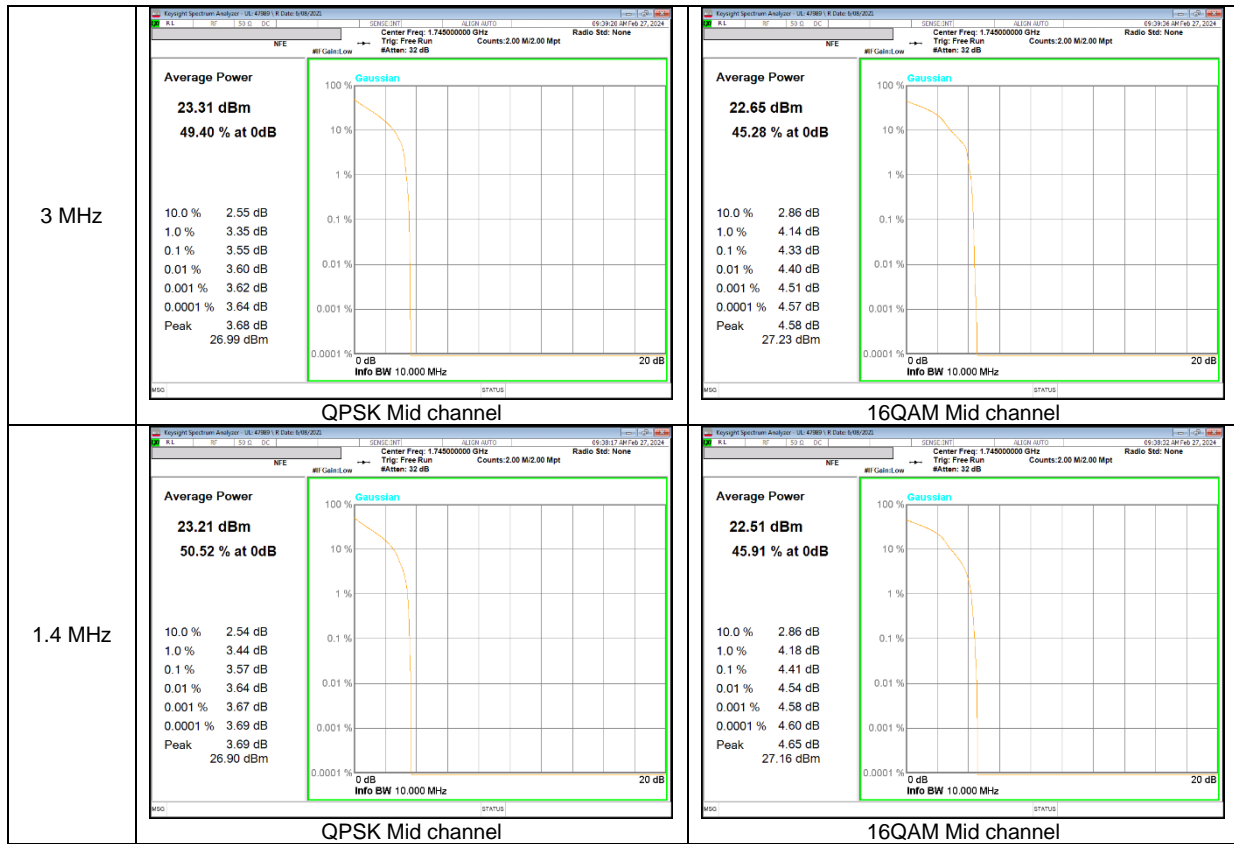


LTE Band 41(PC2)

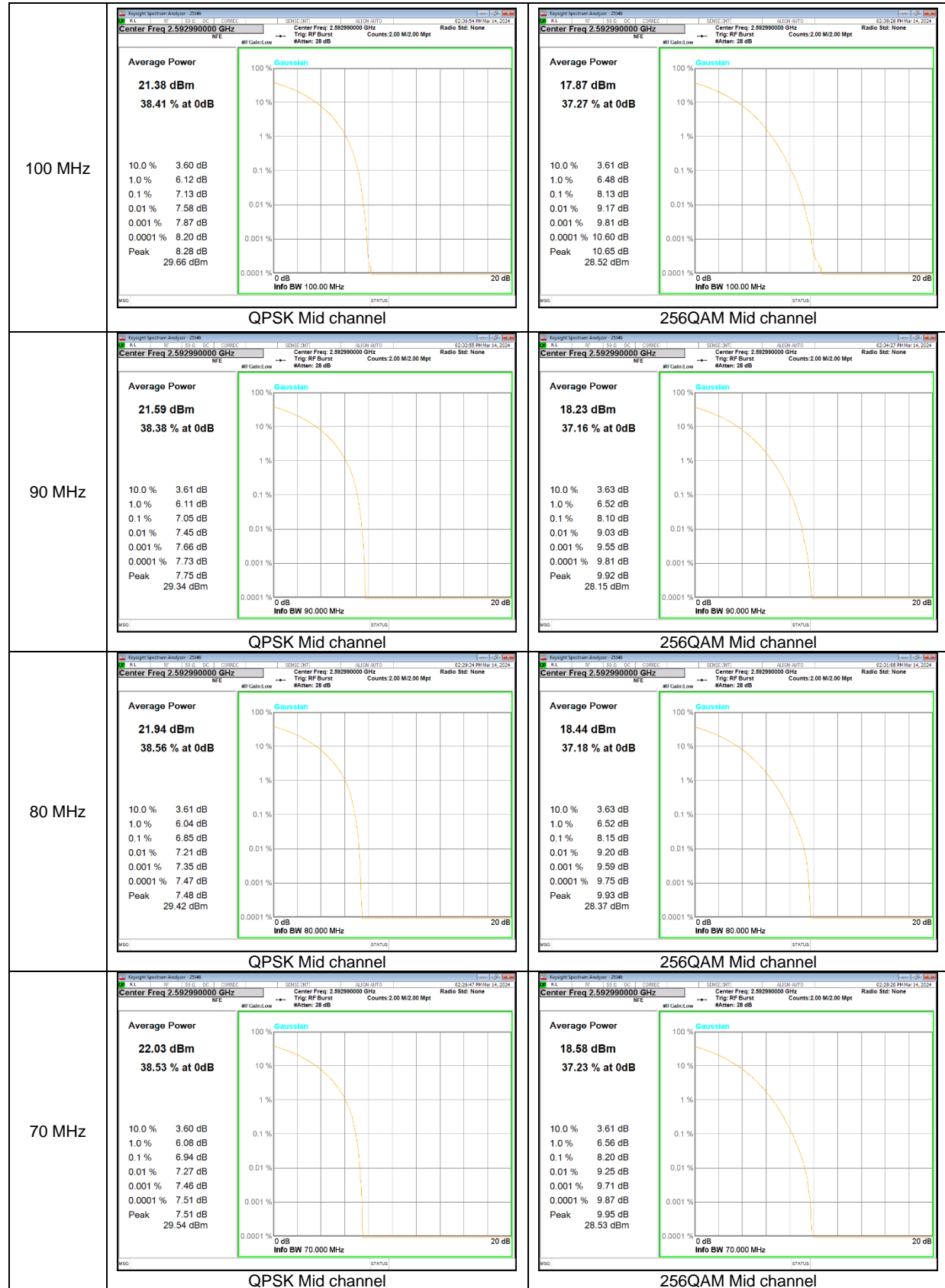


LTE Band 66





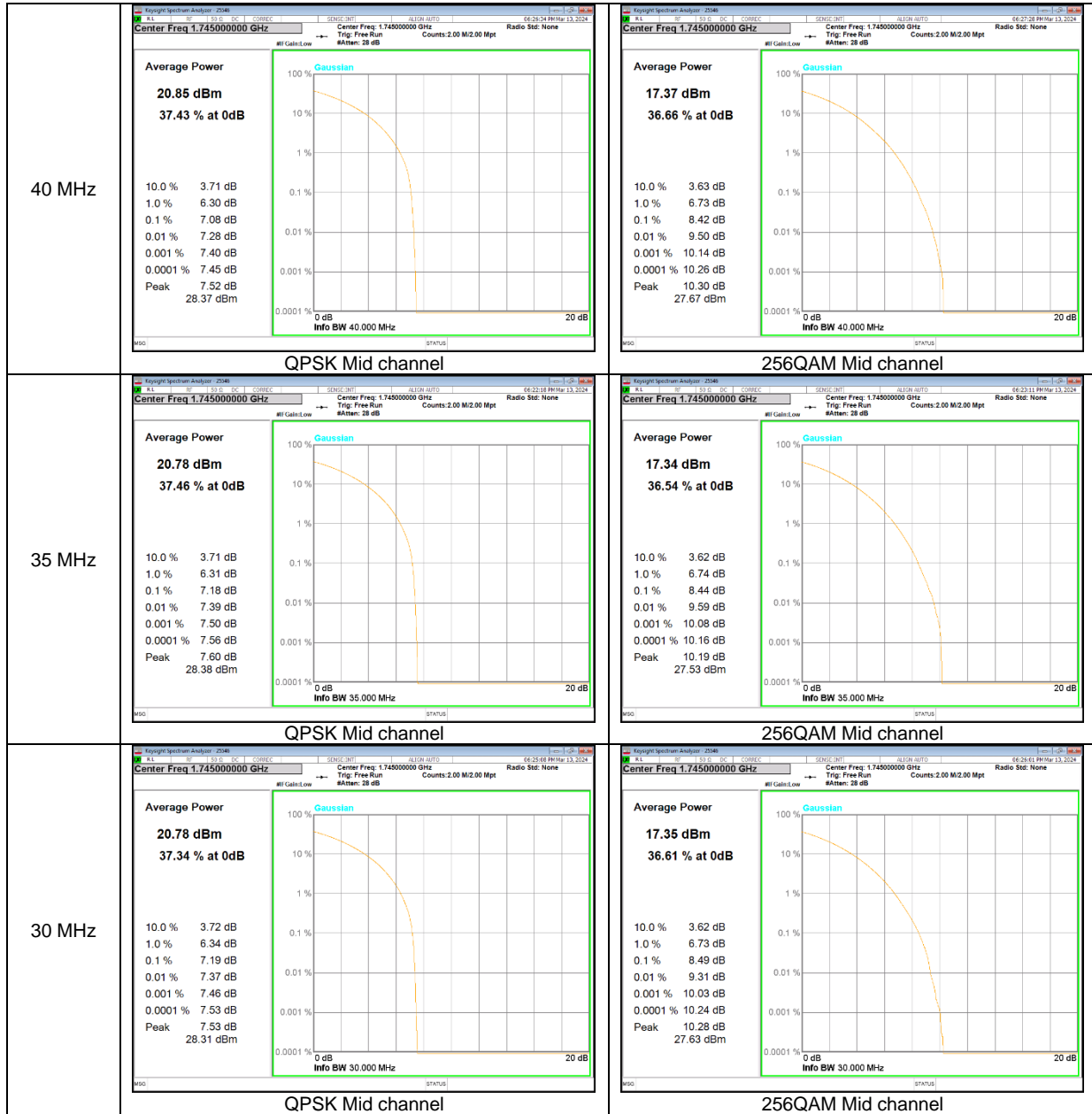
NR Band n41 CP-OFDM

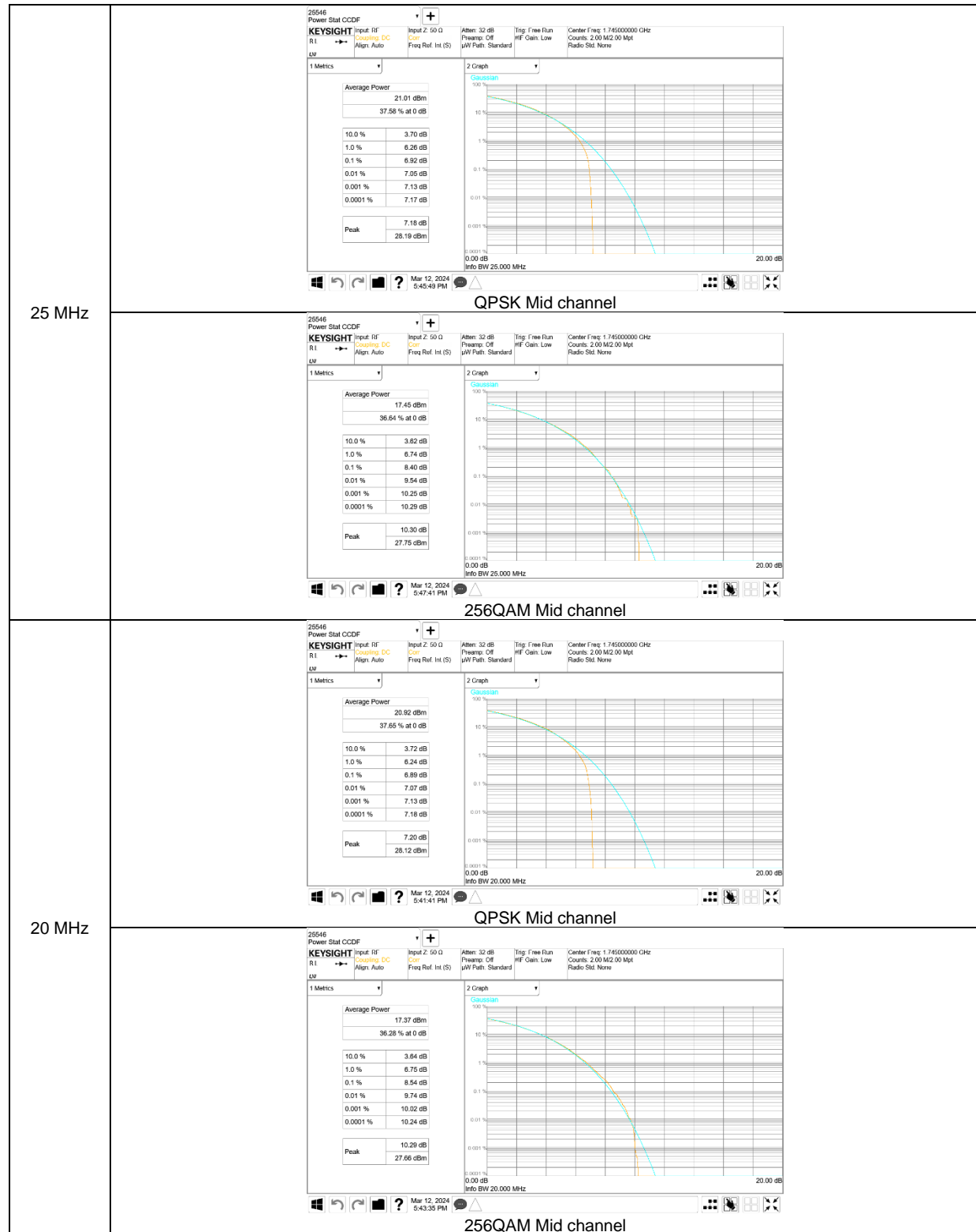


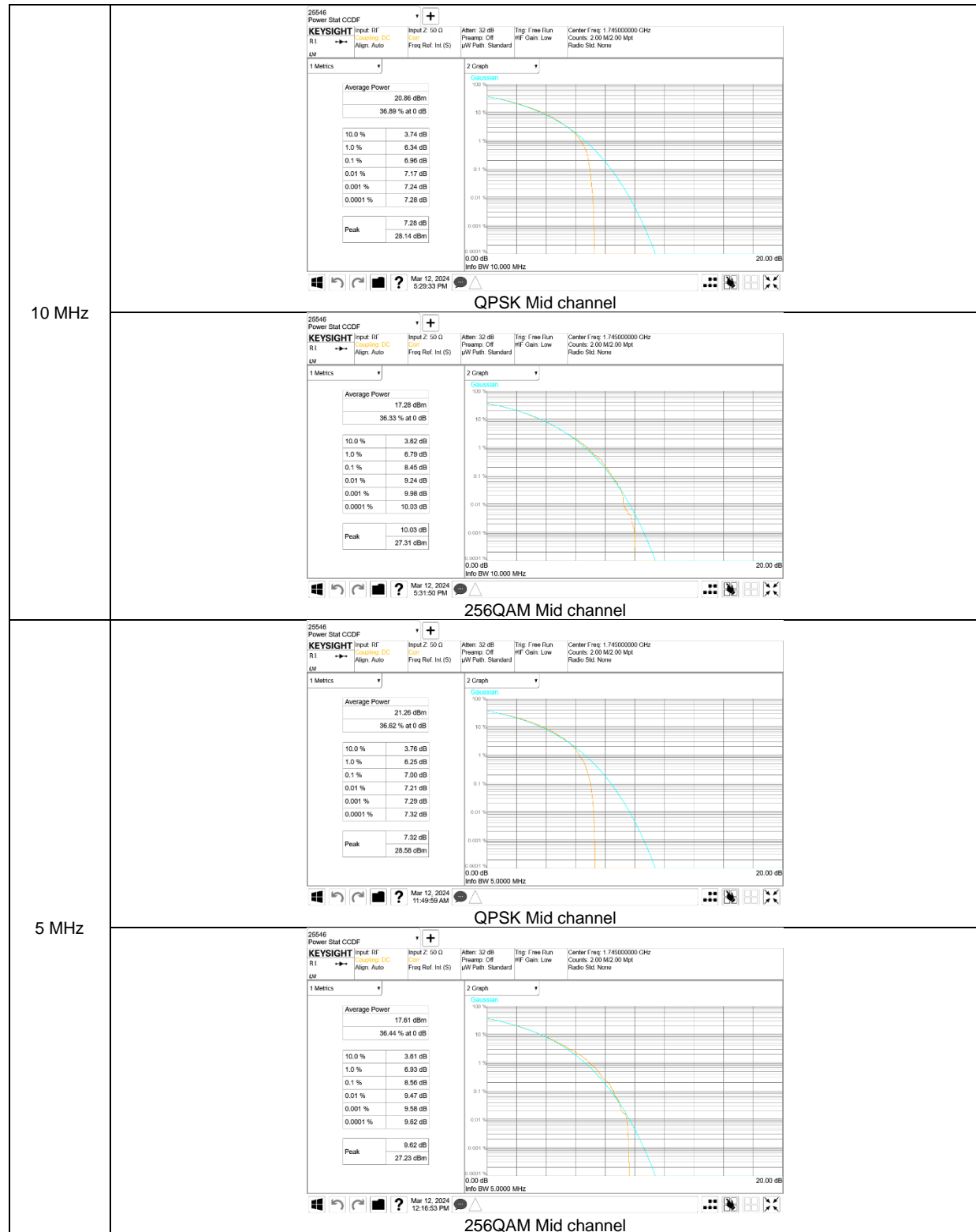




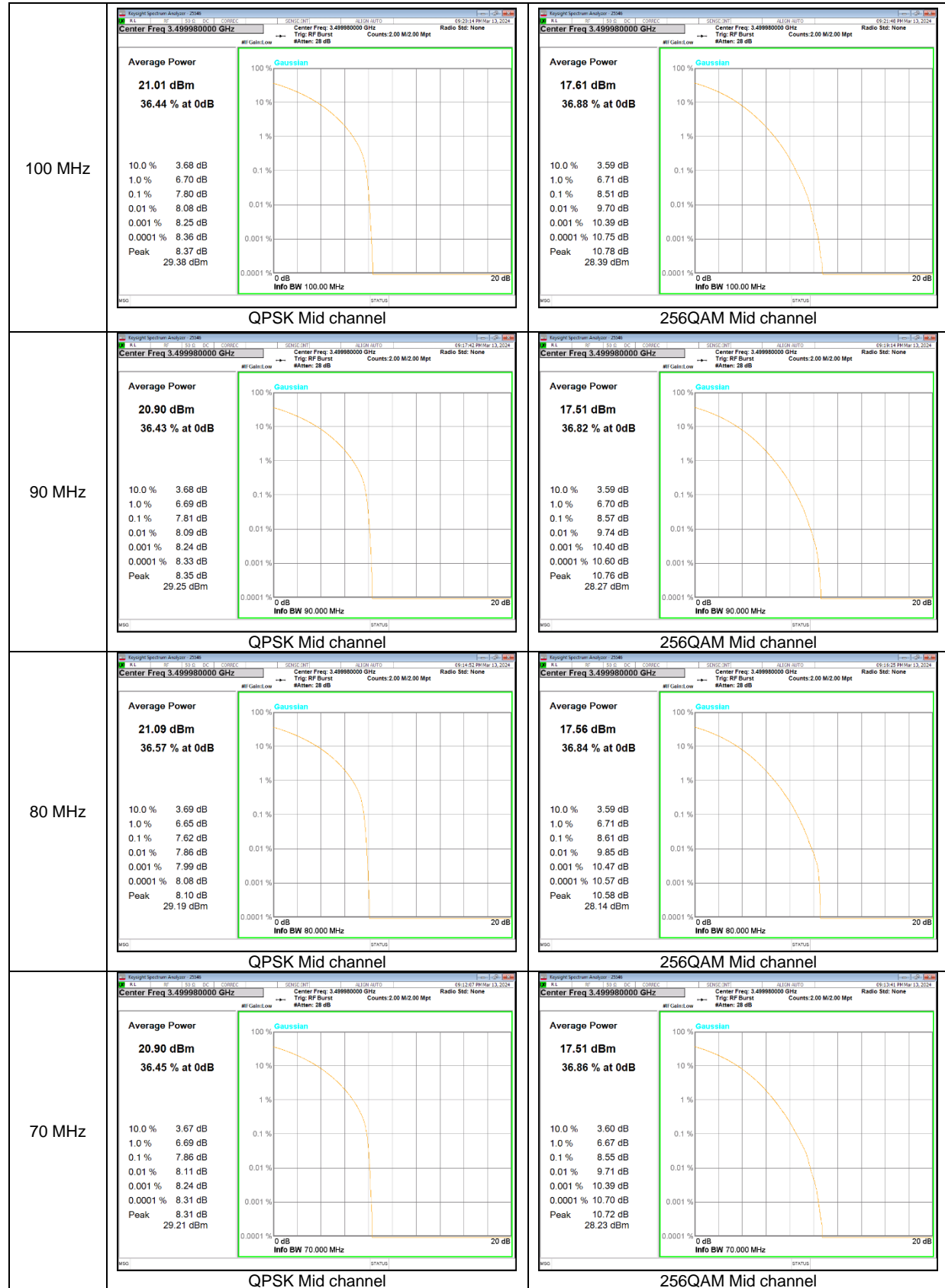
NR Band n66 CP-OFDM



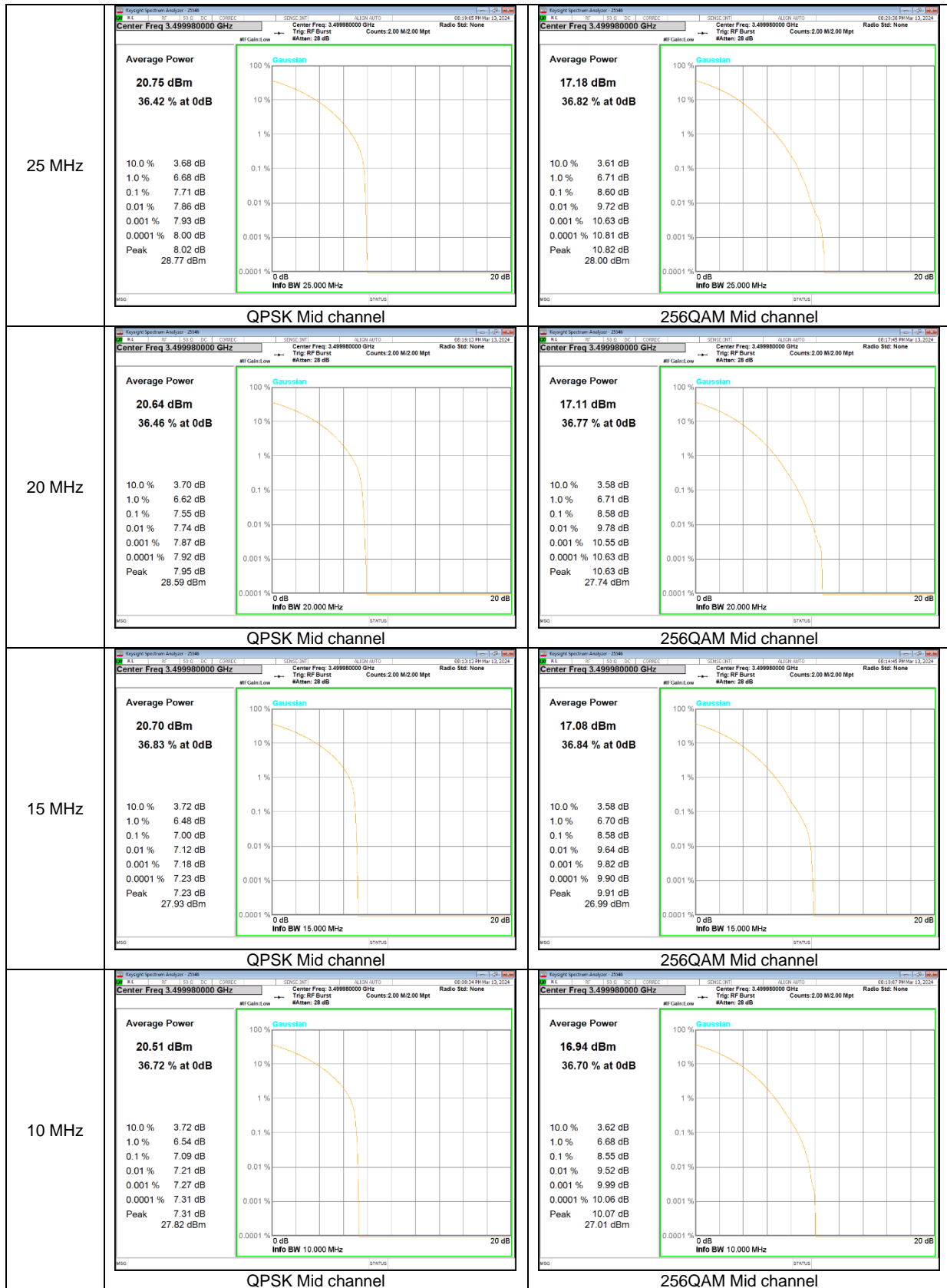




NR Band n77 CP-OFDM (3450-3550 MHz)







NR Band n77 CP-OFDM (3700-3980 MHz)

