



CERTIFICATION TEST REPORT

Report Number. : 4790558569-E2V1

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

Model : SM-A236V

FCC ID : A3LSMA236V

EUT Description : GSM/WCDMA/LTE 5G NR Phone + BT/BLE, DTS/UNII a/b/g/n/ac
and NFC

Test Standard(s) : FCC CFR47 PART 22 SUBPART H
FCC CFR47 PART 24 SUBPART E
FCC CFR47 PART 27 SUBPART F,H,L,M,O,Q

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Revision History

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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 and NFC.

MODEL NUMBER: SM-A236V

SERIAL NUMBER: 664a124cd8347ece (CONDUCTED);
664a124c26347ece, 664a124d63347ece, R3CTA04Q4FE (RADIATED);

DATE TESTED: 2022-10-01 - 2022-11-11;

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC PART 22H, 24E and 27F,H,L,M,O,Q	Pass

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
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Tested By:



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 CFR 47 Part 2.
2. FCC CFR 47 Part 22.
3. FCC CFR 47 Part 24.
4. FCC CFR 47 Part 27.
5. ANSI TIA-603-E, 2016
6. ANSI C63.26, 2015
7. KDB 971168 D01 Power Meas License Digital Systems v03r01

3. FACILITIES AND ACCREDITATION

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

218 Maeyeong-ro	
<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:

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

$ERP = \text{PSA reading with EUT worst orientation (dBm)} + \text{Path loss (dB)} - \text{cable loss (between the SG and substitution antenna)}$

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

4.3. MEASUREMENT UNCERTAINTY

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

PARAMETER	UNCERTAINTY
Conducted Disturbance, 0.15 to 30 MHz	3.02 dB
Radiated Disturbance, 30 MHz to 1 GHz	4.05 dB
Radiated Disturbance, 1 GHz to 18 GHz	5.78 dB
Radiated Disturbance, 18 GHz to 40 GHz	5.58 dB

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

4.4. DECISION RULE

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

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 and NFC.
 This test report addresses the WWAN operational mode.

5.2. MAXIMUM OUTPUT POWER

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

GSM

FCC Part 22/24						
Band	Frequency Range [MHz]	Modulation	Conducted		Radiated	
			Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
GSM850	824~849	GPRS	33.28	2128.14	27.31	538.27
		EGPRS	26.75	473.15	22.48	177.01
GSM1900	1850~1910	GPRS	30.09	1020.94	30.31	1073.99
		EGPRS	25.64	366.44	26.09	406.44

WCDMA

FCC Part 22/24						
Band	Frequency Range [MHz]	Modulation	Conducted		Radiated	
			Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
Band 5	824~849	Rel. 99	24.71	295.80	20.28	106.66
		HSDPA	23.70	234.42	18.83	76.38
Band 2	1850~1910	Rel. 99	23.69	233.88	24.50	281.84
		HSDPA	23.94	247.74	24.11	257.63

LTE Band 2

FCC Part 24							
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted		Radiated	
				Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
Band 2	1860.0 ~1900.0	20	QPSK	24.03	252.93	24.79	301.30
			16QAM	23.67	232.81	23.91	246.04
			64QAM	22.34	171.40		
			256QAM	19.26	84.33		
	1857.5 ~ 1902.5	15	QPSK	23.94	247.74	24.73	297.17
			16QAM	23.35	216.27	23.83	241.55
			64QAM	22.24	167.49		
			256QAM	19.39	86.90		
	1855.0 ~ 1905.0	10	QPSK	24.10	257.04	24.72	296.48
			16QAM	23.45	221.31	23.83	241.55
			64QAM	22.29	169.43		
			256QAM	19.61	91.41		
	1852.5 ~ 1907.5	5	QPSK	24.10	257.04	24.65	291.74
			16QAM	23.59	228.56	23.72	235.50
			64QAM	22.49	177.42		
			256QAM	19.35	86.10		
	1851.5 ~ 1908.5	3	QPSK	24.13	258.82	24.53	283.79
			16QAM	23.49	223.36	23.71	234.96
			64QAM	22.36	172.19		
			256QAM	19.59	90.99		
1850.7 ~ 1909.3	1.4	QPSK	24.30	269.15	24.43	277.33	
		16QAM	23.51	224.39	23.57	227.51	
		64QAM	22.35	171.79			
		256QAM	19.40	87.10			

LTE Band 5

FCC Part 22							
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted		Radiated	
				Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
Band 5	829.0 - 844.0	10	QPSK	24.81	302.69	20.07	101.62
			16QAM	23.80	239.88	19.03	79.98
			64QAM	23.12	205.12		
			256QAM	20.35	108.39		
	826.5 - 846.5	5	QPSK	24.91	309.74	19.88	97.27
			16QAM	24.17	261.22	19.01	79.62
			64QAM	23.15	206.54		
			256QAM	20.33	107.89		
	825.5 - 847.5	3	QPSK	24.90	309.03	20.31	107.40
			16QAM	24.28	267.92	19.06	80.54
			64QAM	23.10	204.17		
			256QAM	20.25	105.93		
	824.7 - 848.3	1.4	QPSK	24.87	306.90	19.99	99.77
			16QAM	24.19	262.42	18.89	77.45
			64QAM	23.15	206.54		
			256QAM	20.10	102.33		

LTE Band 7

FCC Part 27							
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted		Radiated	
				Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
Band 7	2510 - 2680	20	QPSK	23.28	212.81	24.09	256.45
			16QAM	22.94	196.79	23.20	208.93
			64QAM	22.05	160.32		
			256QAM	18.69	73.96		
	2507.5 - 2562.5	15	QPSK	23.28	212.81	24.15	260.02
			16QAM	22.73	187.50	23.15	206.54
			64QAM	21.64	145.88		
			256QAM	18.81	76.03		
	2505 - 2565	10	QPSK	23.44	220.80	24.14	259.42
			16QAM	22.83	191.87	23.08	203.24
			64QAM	21.73	148.94		
			256QAM	18.95	78.52		
	2502.5 - 2567.5	5	QPSK	23.55	226.46	24.29	268.53
			16QAM	23.00	199.53	23.77	238.23
			64QAM	21.92	155.60		
			256QAM	18.70	74.13		

LTE Band 12

FCC Part 27							
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted		Radiated	
				Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
Band 12	704 - 711	10	QPSK	24.47	279.90	19.03	79.98
			16QAM	23.57	227.51	17.94	62.23
			64QAM	22.73	187.50		
			256QAM	20.12	102.80		
	701.5 - 713.5	5	QPSK	24.55	285.10	19.24	83.95
			16QAM	23.67	232.81	18.14	65.16
			64QAM	22.84	192.31		
			256QAM	19.68	92.90		
	700.5 - 714.5	3	QPSK	24.50	281.84	18.90	77.62
			16QAM	23.61	229.61	17.89	61.52
			64QAM	22.79	190.11		
			256QAM	19.94	98.63		
	699.7 - 715.3	1.4	QPSK	24.48	280.54	18.94	78.34
			16QAM	23.90	245.47	17.92	61.94
			64QAM	22.38	172.98		
			256QAM	19.72	93.76		

LTE Band 13

FCC Part 27							
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted		Radiated	
				Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
Band 13	782	10	QPSK	24.38	274.16	20.59	114.55
			16QAM	23.45	221.31	19.62	91.62
			64QAM	22.56	180.30		
			256QAM	20.07	101.62		
	779.5 - 784.5	5	QPSK	24.33	271.02	20.72	118.03
			16QAM	23.42	219.79	19.82	95.94
			64QAM	22.35	171.79		
			256QAM	19.30	85.11		

LTE Band 66

FCC Part 27							
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted		Radiated	
				Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
Band 66	1720 - 1770	20	QPSK	24.21	263.63	23.15	206.39
			16QAM	23.48	222.84	22.37	172.46
			64QAM	22.45	175.79		
			256QAM	19.50	89.13		
	1717.5 - 1772.5	15	QPSK	24.23	264.85	23.17	207.47
			16QAM	23.43	220.29	22.58	181.12
			64QAM	22.28	169.04		
			256QAM	19.34	85.90		
	1715 - 1775	10	QPSK	24.32	270.40	23.21	209.24
			16QAM	23.30	213.80	22.62	182.66
			64QAM	22.33	171.00		
			256QAM	19.49	88.92		
	1712.5 - 1777.5	5	QPSK	24.39	274.79	23.10	204.03
			16QAM	23.48	222.84	22.43	174.86
			64QAM	22.35	171.79		
			256QAM	19.49	88.92		
	1711.5 - 1778.5	3	QPSK	24.28	267.92	23.07	202.80
			16QAM	23.36	216.77	22.50	177.86
			64QAM	22.28	169.04		
			256QAM	19.50	89.13		
1710.7 - 1779.3	1.4	QPSK	24.29	268.53	23.45	221.15	
		16QAM	23.46	221.82	22.53	179.22	
		64QAM	22.14	163.68			
		256QAM	19.47	88.51			

NR Band n2

FCC Part 24								
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted		Radiated	
					Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n2	1860.0 ~ 1900.0	20	DFT-s OFDM	$\pi/2$ BPSK	23.96	248.89		
				QPSK	23.96	248.89	24.82	303.39
				16QAM	22.87	193.64	23.86	243.22
				64QAM	21.68	147.23		
			256QAM	18.98	79.07			
	CP-OFDM	QPSK	22.54	179.47				
	1857.5 ~ 1902.5	15	DFT-s OFDM	$\pi/2$ BPSK	23.87	243.78		
				QPSK	23.91	246.04	24.64	291.07
				16QAM	22.82	191.43	23.77	238.23
				64QAM	21.65	146.22		
			256QAM	18.96	78.70			
	CP-OFDM	QPSK	22.42	174.58				
	1855.0 ~ 1905.0	10	DFT-s OFDM	$\pi/2$ BPSK	24.00	251.19		
				QPSK	24.04	253.51	24.46	279.25
				16QAM	22.97	198.15	23.43	220.29
				64QAM	21.75	149.62		
			256QAM	19.09	81.10			
	CP-OFDM	QPSK	22.50	177.83				
	1852.5 ~ 1907.5	5	DFT-s OFDM	$\pi/2$ BPSK	23.89	244.91		
				QPSK	23.99	250.61	24.53	283.79
16QAM				22.93	196.34	23.66	232.27	
64QAM				21.69	147.57			
256QAM			19.06	80.54				
CP-OFDM	QPSK	22.56	180.30					

NR Band n5

FCC Part 22										
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted		Radiated			
					Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]		
n5	834 - 839	20	DFT-s OFDM	$\pi/2$ BPSK	24.38	274.16				
				QPSK	24.47	279.90	21.20	131.83		
				16QAM	23.36	216.77	19.85	96.61		
				64QAM	21.92	155.60				
				256QAM	19.28	84.72				
	831.5 - 841.5	15	DFT-s OFDM	CP-OFDM	QPSK	22.77	189.23			
					$\pi/2$ BPSK	24.44	277.97			
						QPSK	24.48	280.54	21.41	138.36
						16QAM	23.32	214.78	19.97	99.31
						64QAM	22.05	160.32		
	829 - 844	10	DFT-s OFDM	CP-OFDM	QPSK	22.89	194.54			
					$\pi/2$ BPSK	24.50	281.84			
						QPSK	24.56	285.76	21.35	136.46
						16QAM	23.38	217.77	19.91	97.95
						64QAM	22.10	162.18		
	826.5 - 846.5	5	DFT-s OFDM	CP-OFDM	QPSK	22.93	196.34			
					$\pi/2$ BPSK	24.50	281.84			
						QPSK	24.57	286.42	20.94	124.17
						16QAM	23.54	225.94	19.58	90.78
						64QAM	22.22	166.72		
256QAM	19.58	90.78								
CP-OFDM	QPSK	23.05	201.84							

NR Band n66

FCC Part 27									
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted		Radiated		
					Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]	
n66	1730.0 - 1760.0	40	DFT-s OFDM	$\pi/2$ BPSK	24.07	255.27			
				QPSK	24.22	264.24	22.91	195.43	
				16QAM	23.17	207.49	21.81	151.71	
				64QAM	21.96	157.04			
				256QAM	19.36	86.30			
	1725.0 - 1765.0	30	DFT-s OFDM	$\pi/2$ BPSK	24.21	263.63			
				QPSK	24.37	273.53	23.02	200.45	
				16QAM	23.33	215.28	22.06	160.69	
				64QAM	22.02	159.22			
				256QAM	19.51	89.33			
	1720.0 - 1770.0	20	DFT-s OFDM	$\pi/2$ BPSK	24.35	272.27			
				QPSK	24.40	275.42	23.15	206.54	
				16QAM	23.37	217.27	22.38	172.98	
				64QAM	22.04	159.96			
				256QAM	19.25	84.14			
	1717.5 - 1772.5	15	DFT-s OFDM	$\pi/2$ BPSK	24.11	257.63			
				QPSK	24.20	263.03	23.03	200.91	
				16QAM	22.95	197.24	22.07	161.06	
				64QAM	21.63	145.55			
				256QAM	18.91	77.80			
	1715.0 - 1775.0	10	DFT-s OFDM	$\pi/2$ BPSK	24.03	252.93			
				QPSK	24.04	253.51	23.07	202.77	
				16QAM	23.00	199.53	22.10	162.18	
				64QAM	21.86	153.46			
				256QAM	19.01	79.62			
	1712.5 - 1777.5	5	DFT-s OFDM	$\pi/2$ BPSK	24.00	251.19			
				QPSK	24.04	253.51	23.01	199.99	
				16QAM	23.03	200.91	22.05	160.32	
				64QAM	21.70	147.91			
				256QAM	19.01	79.62			
				CP-OFDM	QPSK	22.62	182.81		

NR Band n77(PC2, 3450-3550 MHz)

FCC Part 27								
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted		Radiated	
					Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n77	3499.98	100	DFT-s OFDM	$\pi/2$ BPSK	25.62	364.70		
				QPSK	25.67	368.60	22.81	190.99
				16QAM	24.57	286.50	22.44	175.39
				64QAM	23.09	203.89		
				256QAM	20.75	118.95		
	CP-OFDM	QPSK	23.98	250.09				
	3495.0 - 3504.99	90	DFT-s OFDM	$\pi/2$ BPSK	25.70	371.49		
				QPSK	25.75	375.49	23.04	201.37
				16QAM	24.61	288.77	22.66	184.50
				64QAM	23.39	218.49		
				256QAM	21.12	129.32		
	CP-OFDM	QPSK	24.16	260.56				
	3490.02 - 3510.0	80	DFT-s OFDM	$\pi/2$ BPSK	25.67	369.23		
				QPSK	25.76	376.31	22.94	196.79
				16QAM	24.69	294.18	22.53	179.06
				64QAM	24.71	295.95		
				256QAM	24.63	290.23		
	CP-OFDM	QPSK	24.63	290.23				
	3485.01 - 3514.98	70	DFT-s OFDM	$\pi/2$ BPSK	25.63	365.42		
				QPSK	25.67	369.40	22.93	196.34
				16QAM	24.59	287.97	22.63	183.23
				64QAM	23.34	215.90		
				256QAM	21.15	130.27		
	CP-OFDM	QPSK	24.21	263.33				
	3480 - 3519.99	60	DFT-s OFDM	$\pi/2$ BPSK	25.81	381.15		
				QPSK	25.89	388.42	23.09	203.70
				16QAM	24.77	300.26	22.74	187.93
				64QAM	23.54	225.72		
				256QAM	21.23	132.61		
	CP-OFDM	QPSK	24.45	278.45				
	3475.02 - 3525	50	DFT-s OFDM	$\pi/2$ BPSK	25.83	383.08		
				QPSK	25.87	386.05	23.08	203.24
				16QAM	24.83	303.83	22.68	185.35
				64QAM	23.67	232.61		
				256QAM	21.37	137.00		
	CP-OFDM	QPSK	24.46	279.55				
	3470.01 - 3529.98	40	DFT-s OFDM	$\pi/2$ BPSK	26.04	401.69		
				QPSK	26.08	405.27	24.65	291.74
				16QAM	24.96	313.38	24.37	273.53
				64QAM	23.68	233.40		
256QAM				21.44	139.39			
CP-OFDM	QPSK	24.59	287.72					
3465.0 - 3535.02	30	DFT-s OFDM	$\pi/2$ BPSK	25.94	392.58			
			QPSK	25.99	396.91	24.80	302.00	
			16QAM	25.00	316.03	24.43	277.33	
			64QAM	23.65	231.74			
			256QAM	21.41	138.42			
CP-OFDM	QPSK	24.53	283.57					
3460.02 - 3540.0	20	DFT-s OFDM	$\pi/2$ BPSK	26.01	399.02			
			QPSK	26.08	405.17	24.76	299.23	
			16QAM	24.99	315.28	24.37	273.53	
			64QAM	23.76	237.92			
			256QAM	21.31	135.30			
CP-OFDM	QPSK	24.59	287.86					

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

FCC Part 27						
Band	Frequency Range [MHz]	BandWidth [MHz]	Conducted		Radiated	
			Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n77	3499.98	100	14.91	30.97		
	3495.0 - 3504.99	90	14.91	30.97		
	3490.02 - 3510.0	80	14.91	30.97		
	3485.01 - 3514.98	70	14.91	30.97		
	3480 - 3519.99	60	15.97	39.54	11.17	13.09
	3475.02 - 3525	50	15.02	31.77		
	3470.01 - 3529.98	40	15.27	33.65		
	3465.0 - 3535.02	30	15.27	33.65		
	3460.02 - 3540.0	20	15.27	33.65		

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

FCC Part 27						
Band	Frequency Range [MHz]	BandWidth [MHz]	Conducted		Radiated	
			Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n77	3499.98	100	20.93	123.88		
	3495.0 - 3504.99	90	20.87	122.18		
	3490.02 - 3510.0	80	21.02	126.47		
	3485.01 - 3514.98	70	21.13	129.72		
	3480 - 3519.99	60	21.29	134.59		
	3475.02 - 3525	50	21.27	133.97		
	3470.01 - 3529.98	40	21.54	142.56	16.37	43.35
	3465.0 - 3535.02	30	21.50	141.25		
	3460.02 - 3540.0	20	21.45	139.64		

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

FCC Part 27						
Band	Frequency Range [MHz]	BandWidth [MHz]	Conducted		Radiated	
			Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n77	3499.98	100	21.75	149.62		
	3495.0 - 3504.99	90	21.58	143.88		
	3490.02 - 3510.0	80	21.57	143.55		
	3485.01 - 3514.98	70	21.59	144.21		
	3480 - 3519.99	60	21.66	146.55		
	3475.02 - 3525	50	21.63	145.55		
	3470.01 - 3529.98	40	21.85	153.11		
	3465.0 - 3535.02	30	21.86	153.46	16.45	44.16
	3460.02 - 3540.0	20	21.81	151.71		

NR Band n77(PC2, 3700-3980 MHz)

FCC Part 27								
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted		Radiated	
					Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n77	3750.0 - 3930.0	100	DFT-s OFDM	$\pi/2$ BPSK	26.42	438.43		
				QPSK	26.43	439.34	24.91	309.74
				16QAM	25.48	353.48	24.67	293.09
				64QAM	23.70	234.28		
				256QAM	21.26	133.58		
	3745.02 - 3934.98	90	DFT-s OFDM	$\pi/2$ BPSK	26.46	442.31		
				QPSK	26.51	447.73	24.88	307.61
				16QAM	24.83	304.00	24.59	287.74
				64QAM	23.73	236.08		
				256QAM	21.38	137.29		
	3740.01 - 3939.99	80	DFT-s OFDM	$\pi/2$ BPSK	26.39	435.70		
				QPSK	26.47	443.95	24.72	296.48
				16QAM	25.43	349.43	24.59	287.74
				64QAM	25.28	337.33		
				256QAM	24.92	310.56		
	3735.02 - 3944.98	70	DFT-s OFDM	$\pi/2$ BPSK	26.37	433.71		
				QPSK	26.40	436.32	24.75	298.54
				16QAM	24.83	303.90	24.63	290.40
				64QAM	23.67	232.98		
				256QAM	21.21	132.20		
	3730.02 - 3949.98	60	DFT-s OFDM	$\pi/2$ BPSK	26.48	444.73		
				QPSK	26.51	447.38	24.60	288.40
				16QAM	24.89	308.25	24.15	260.02
				64QAM	23.53	225.52		
				256QAM	21.27	134.10		
	3725.01 - 3954.99	50	DFT-s OFDM	$\pi/2$ BPSK	26.49	445.96		
				QPSK	26.58	454.87	24.62	289.73
				16QAM	24.87	307.15	24.09	256.45
				64QAM	23.65	231.92		
				256QAM	21.36	136.78		
	3720.02 - 3960.0	40	DFT-s OFDM	$\pi/2$ BPSK	26.68	465.26		
				QPSK	26.76	474.10	24.99	315.50
16QAM				25.26	335.45	24.59	287.74	
64QAM				24.15	260.30			
256QAM				21.75	149.74			
3715.02 - 3964.98	30	DFT-s OFDM	$\pi/2$ BPSK	26.52	448.49			
			QPSK	26.58	454.66	25.12	325.09	
			16QAM	25.17	328.67	24.95	312.61	
			64QAM	23.83	241.81			
			256QAM	21.57	143.48			
3710.01 - 3969.99	20	DFT-s OFDM	$\pi/2$ BPSK	26.28	424.38			
			QPSK	26.34	430.08	25.68	369.83	
			16QAM	24.93	310.89	25.42	348.34	
			64QAM	23.91	246.09			
			256QAM	21.49	140.88			
			CP-OFDM	QPSK	24.58	286.89		

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

FCC Part 27						
Band	Frequency Range [MHz]	BandWidth [MHz]	Conducted		Radiated	
			Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n77	3750.0 - 3930.0	100	15.86	38.55		
	3745.02 - 3934.98	90	15.79	37.93		
	3740.01 - 3939.99	80	15.90	38.90		
	3735.02 - 3944.98	70	15.82	38.19		
	3730.02 - 3949.98	60	15.90	38.90		
	3725.01 - 3954.99	50	15.90	38.90		
	3720.02 - 3960.0	40	16.11	40.83	4.56	2.86
	3715.02 - 3964.98	30	16.04	40.18		
	3710.01 - 3969.99	20	15.84	38.37		

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

FCC Part 27						
Band	Frequency Range [MHz]	BandWidth [MHz]	Conducted		Radiated	
			Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n77	3750.0 - 3930.0	100	21.44	139.32		
	3745.02 - 3934.98	90	21.32	135.52		
	3740.01 - 3939.99	80	21.42	138.68		
	3735.02 - 3944.98	70	21.41	138.36		
	3730.02 - 3949.98	60	21.65	146.22		
	3725.01 - 3954.99	50	21.65	146.22		
	3720.02 - 3960.0	40	21.87	153.82		
	3715.02 - 3964.98	30	21.81	151.71		
	3710.01 - 3969.99	20	21.91	155.24	17.42	55.21

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

FCC Part 27						
Band	Frequency Range [MHz]	BandWidth [MHz]	Conducted		Radiated	
			Avg [dBm]	Avg [mW]	Avg [dBm]	Avg [mW]
n77	3750.0 - 3930.0	100	22.44	175.39		
	3745.02 - 3934.98	90	22.39	173.38		
	3740.01 - 3939.99	80	22.39	173.38		
	3735.02 - 3944.98	70	22.38	172.98		
	3730.02 - 3949.98	60	22.42	174.58		
	3725.01 - 3954.99	50	22.57	180.72		
	3720.02 - 3960.0	40	22.80	190.55	15.72	37.33
	3715.02 - 3964.98	30	22.78	189.67		
	3710.01 - 3969.99	20	22.79	190.11		

5.3. DESCRIPTION OF AVAILABLE ANTENNAS

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

Frequency (MHz)	Peak Gain (dBi)
GSM1900 / WCDMA Band 2 / LTE Band 2 / NR Band n2 1850 - 1915 MHz	0.55
LTE Band 4 / LTE Band 66 / NR Band n66 1710 - 1780 MHz	-0.83
GSM850 / WCDMA Band 5 / LTE Band 5 / NR Band n5 814 - 849 MHz	-4.05
LTE Band 12 699 - 716 MHz	-3.98
LTE Band 13 777 - 787 MHz	-3.92
LTE Band 7 2500 - 2690 MHz	0.03
NR Band 77(PC2, 3450-3550 MHz) 3450-3550 MHz	-0.63
NR Band 77(PC2, 3450-3550 MHz, SRS1) 3450-3550 MHz	-3.53
NR Band 77(PC2, 3450-3550 MHz, SRS2) 3450-3550 MHz	-0.06
NR Band 77(PC2, 3450-3550 MHz, SRS3) 3450-3550 MHz	-4.78
NR Band 77(PC2, 3700-3980 MHz) 3700-3980 MHz	-0.63
NR Band 77(PC2, 3700-3980 MHz, SRS1) 3700-3980 MHz	-3.53
NR Band 77(PC2, 3700-3980 MHz, SRS2) 3700-3980 MHz	-0.06
NR Band 77(PC2, 3700-3980 MHz, SRS3) 3700-3980 MHz	-4.78

5.4. WORST-CASE ORIENTATION

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

- GSM GPRS/EGPRS
- UMTS REL 99/HSDPA

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

For all 5G 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 that QPSK and 16QAM results were worst case.

All testing was performed using QPSK and 16QAM modulations to represent the worst case. However, the out of band emissions and spurious radiation were only performed on bandwidth and RB offset(with RB size 1) with the highest conducted power in QPSK

NSA modes were tested and worst case is reported.

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

LTE Band 4

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

NR Band 77(PC3, SRS 0,1,2,3)

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

Highest power setting for each bands				
LTE Band	Frequency (MHz)	Bandwidth (MHz)	RB size	RB offset
2	1860.0	20	1	0
	1880.0		1	99
	1900.0		1	99
5	825.5	3	1	0
	836.5		1	0
	847.5		1	14
7	2502.5	5	1	0
	2535.0		1	24
	2567.5		1	24
12	701.5	5	1	12
	707.5		1	12
	713.5		1	0
13	779.5	5	1	12
	782.0		1	0
	784.5		1	0
66	1710.7	1.4	1	3
	1745.0		1	3
	1779.3		1	3
NR Band	Frequency (MHz)	Bandwidth (MHz)	RB size	RB offset
2	1860.0	20	1	1
	1880.0		1	1
	1900.0		1	104
5	831.5	15	1	1
	836.5		1	77
	841.5		1	77
66	1720.0	20	1	53
	1745.0		1	1
	1770.0		1	104
77(PC2) (3450-3550 MHz)	3465.00	30	1	76
	3499.98		1	1
	3535.02		1	1
77(PC2) (3700-3980 MHz)	3710.01	20	1	49
	3840.00		1	1
	3969.99		1	49

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

NR Band	LTE Band
2	<u>5</u> , 13
5	2, 48, <u>66</u>
66	<u>5</u> , 13, 48
77(PC2, 3450-3550 MHz, 3700-3980 MHz)	2, <u>5</u> , 7, 13, 66

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

Band	ERP/EIRP			RSE		
	X	Y	Z	X	Y	Z
GSM850	O	-	-	O	-	-
GSM1900	-	-	O	-	-	O
WCDMA B5	-	-	O	-	-	O
WCDMA B2	-	-	O	-	O	-
LTE B2	-	-	O	-	-	O
LTE B5	-	-	O	-	-	O
LTE B7	O	-	-	O	-	-
LTE B12	O	-	-	O	-	-
LTE B13	-	-	O	-	-	O
LTE B66	O	-	-	-	-	O
NR n2	-	-	O	O	-	-
NR n5	-	-	O	-	-	O
NR n66	O	-	-	-	O	-
NR n77(PC2) (3450-3550 MHz)	-	-	O	-	-	O
NR n77(PC2) (SRS1) (3450-3550 MHz)	-	-	O	-	-	O
NR n77(PC2) (SRS2) (3450-3550 MHz)	-	O	-	-	O	-
NR n77(PC2) (SRS3) (3450-3550 MHz)	O	-	-	O	-	-
NR n77(PC2) (3700-3980 MHz)	-	O	-	-	O	-
NR n77(PC2) (SRS1) (3700-3980 MHz)	O	-	-	O	-	-
NR n77(PC2) (SRS2) (3700-3980 MHz)	O	-	-	O	-	-
NR n77(PC2) (SRS3) (3700-3980 MHz)	O	-	-	O	-	-

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

5.5. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Support Equipment List				
Description	Manufacture	Model	Serial Number	FCC ID
Charger	SAMSUNG	EP-TA800	R37N3MAH988DK3	N/A
Data Cable	SAMSUNG	EP-DN980	GH39-02115A BWE	N/A
Earphone	SAMSUNG	GH59-15055A	EHS64AVFWE	N/A

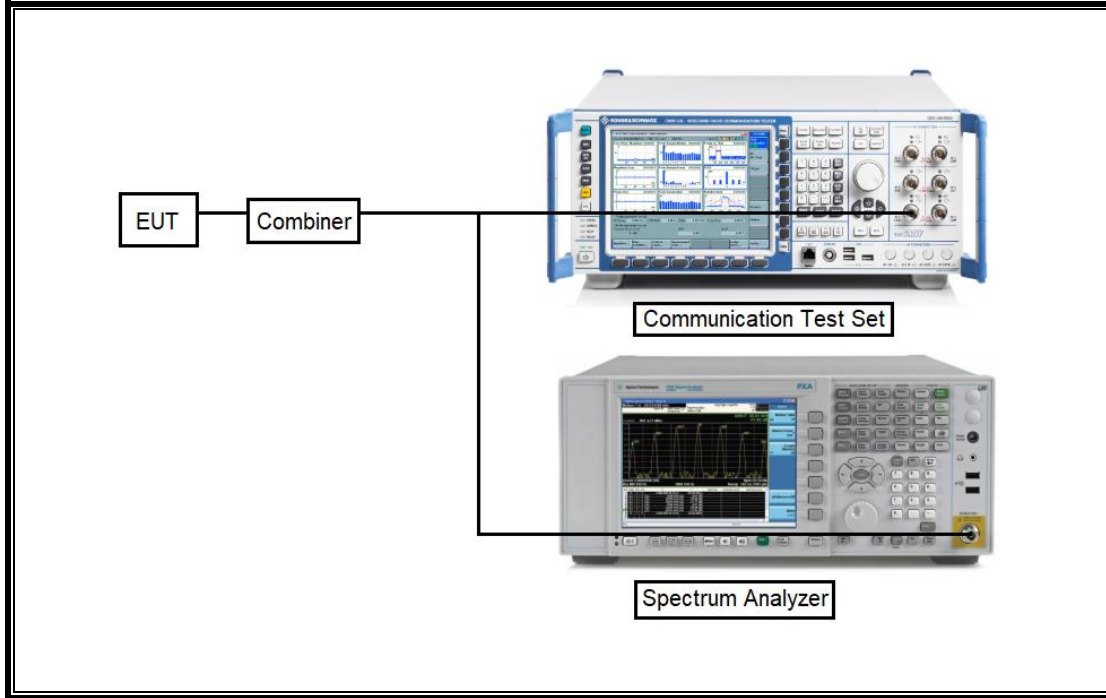
I/O CABLE

I/O Cable List						
Cable No.	Port	# of identical ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	DC Power	1	C Type	Shielded	1.0 m	N/A
2	Audio	2	Mini-jack	Unshielded	0.7 m	N/A

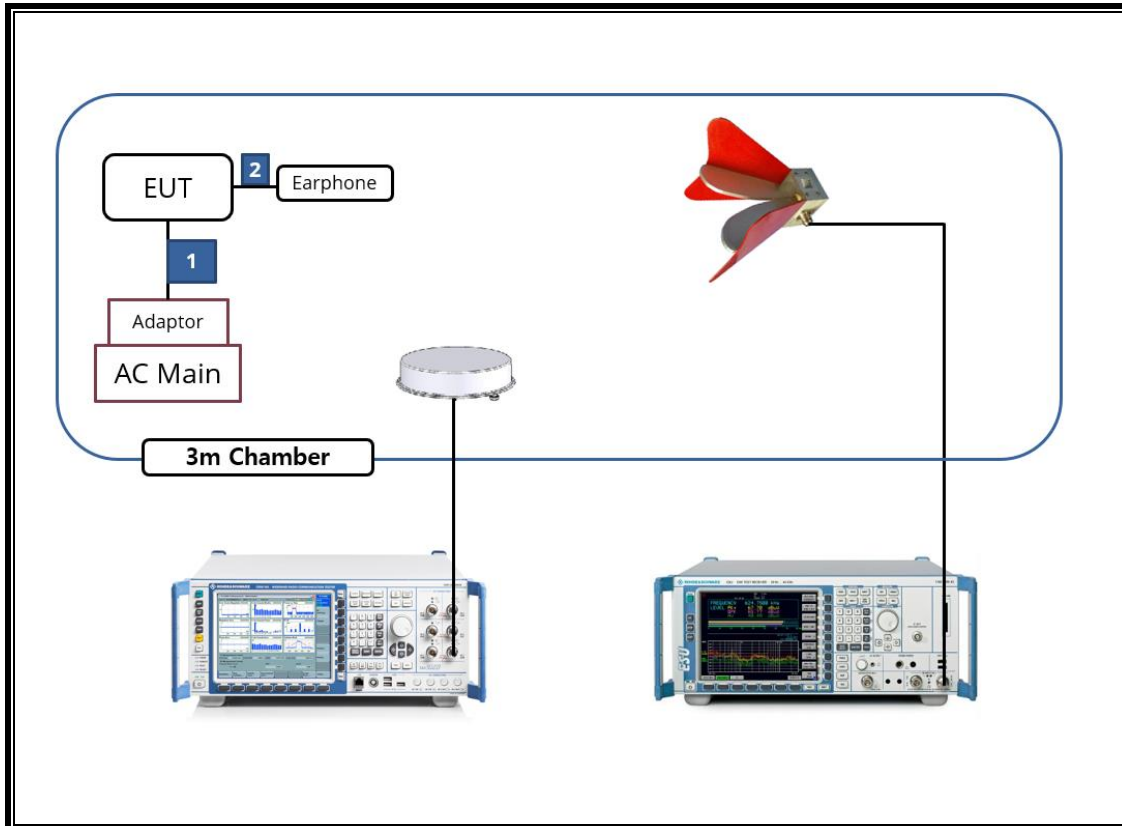
TEST SETUP

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	2023-02-08
Directional Antenna	Cobham	FPA3-0.8-6.0R/1329	110367-0003	N/A
Directional Antenna	Cobham	FPA3-0.8-6.0R/1329	80108-0004	N/A
Antenna, Horn, 40 GHz	ETS	3116C	00168645	2023-10-13
Preamplifier	ETS	3116C-PA	00168841	2023-08-04
Antenna, Bilog, 30MHz-1GHz	SCHWARZBECK	VULB9163	750	2024-08-15
Antenna, Bilog, 30MHz-1GHz	SCHWARZBECK	VULB9163	845	2024-08-15
Antenna, Bilog, 30MHz-1GHz	SCHWARZBECK	VULB9163	749	2024-08-15
Antenna, Horn, 18 GHz	ETS	3115	00161451	2024-08-21
Antenna, Horn, 18 GHz	ETS	3117	00168717	2024-08-21
Communications Test Set	R&S	CMW500	169796	2023-01-07
DC Power Supply	Agilent / HP	E3640A	MY54226395	2023-08-02
Preamplifier, 1000 MHz	Sonoma	310N	341282	2023-08-02
Preamplifier, 1000 MHz	Sonoma	310N	351741	2023-08-02
Preamplifier, 18 GHz	Miteq	AFS42-00101800-25-S-42	1876511	2023-08-02
Preamplifier, 18 GHz	Miteq	AFS42-00101800-25-S-42	2029169	2023-08-01
Preamplifier, 18 GHz	Miteq	AFS42-00101800-25-S-42	1896138	2023-08-01
Spectrum Analyzer, 44 GHz	Agilent / HP	N9030A	MY54170614	2023-08-03
Spectrum Analyzer, 44 GHz	Agilent / HP	N9030A	MY54490312	2023-08-01
EMI Test Receive, 40 GHz	R&S	ESU40	100439	2023-08-02
EMI Test Receive, 40 GHz	R&S	ESU40	100457	2023-07-29
High Pass Filter 1.2GHz	Micro-Tronics	HPM50108-02	G005	2023-08-01
High Pass Filter 1.2GHz	Micro-Tronics	HPM50108-02	G006	2023-08-01
High Pass Filter 2.8GHz	Micro-Tronics	HPM50111-02	010	2023-08-01
High Pass Filter 2.8GHz	Micro-Tronics	HPM50111-02	011	2023-08-01
High Pass Filter 4GHz	Micro-Tronics	HPM50118-02	G001	2023-08-01
High Pass Filter 4GHz	Micro-Tronics	HPM50118-02	G002	2023-08-01
Attenuator	PASTERNAK	PE7087-10	A009	2023-08-03
Attenuator	PASTERNAK	PE7087-10	A001	2023-08-03
Attenuator	PASTERNAK	PE7087-10	A008	2023-08-03
Attenuator	PASTERNAK	PE7004-10	2	2023-08-01
Attenuator	PASTERNAK	PE7395-10	A011	2023-08-03
Antenna, Loop, 9kHz-30MHz	R&S	HFH2-Z2	100418	2023-10-06
Temperature Chamber	ESPEC	SH-642	93001109	2023-08-01
Power Splitter	MINI-CIRCUITS	WA1534	UL003	2023-01-11
Power Splitter	MINI-CIRCUITS	WA1534	UL004	2023-01-11
UXM5G Wireless Test Platform	KEYSIGHT	E7515B	MY58010202	2023-01-07
UL Software				
Description	Manufacturer	Model	Version	
Antenna port test software	UL	CLT	Ver 3.4	
Radiated software	UL	UL EMC	Ver 9.5	
Antenna port test software (5G NR FR1)	UL	UL iM	Ver 1.06	

7. SUMMARY TABLE

FCC Part Section	Test Description	Test Limit	Test Condition	Test Result
2.1049	Occupied Band width (99%)	N/A	Conducted	Pass
22.917(a) 24.238(a) 27.53(g),(h), 27.53(l)(2) 27.53(n)(2)	Band Edge / Conducted Spurious Emission	-13dBm		Pass
27.53(m)	Conducted Spurious Emission	-25dBm		Pass
2.1046	Conducted output power	N/A		Pass
22.355 24.235 27.54	Frequency Stability	2.5PPM		Pass
22.913(a)(5)	Effective Radiated Power	38.5dBm		Pass
27.50(c)(10) 27.50(b)(10)		34.77dBm	Pass	
24.232(c) 27.50(h)(2) 27.50(j)(3) 27.50(k)(3)	Equivalent Isotropic Radiated Power	33dBm	Pass	
27.50(d)(4)		30dBm	Pass	
22.917(a) 24.238(a) 27.53 (g),(h)	Radiated Spurious Emission	-13dBm	Pass	
27.53(f)		-40dBm	Pass	
27.53(m) 27.53(l)(2) 27.53(n)(2)		-25dBm	Pass	

8. LIMITS AND 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

GSM

Mode	Coding Scheme	Time Slots	Ch No.	Freq. (MHz)	Maximum Average Power (dBm)			
					Measured		Tune-up Limit	
					Burst Pw r	Frame Pw r	Burst Pw r	Frame Pw r
GSM (Voice)	CS1	1	128	824.2	33.11	24.08	33.5	24.5
			190	836.6	33.08	24.05		
			251	848.8	33.29	24.26		
GPRS (GMSK)	CS1	1	128	824.2	32.77	23.74	33.5	24.5
			190	836.6	33.11	24.08		
			251	848.8	33.28	24.25		
		2	128	824.2	31.27	25.25	32.5	26.5
			190	836.6	30.87	24.85		
			251	848.8	31.21	25.19		
		3	128	824.2	29.45	25.19	30.5	26.2
			190	836.6	29.35	25.09		
			251	848.8	29.14	24.88		
		4	128	824.2	27.93	24.92	28.5	25.5
			190	836.6	27.74	24.73		
			251	848.8	27.63	24.62		
EGPRS (8PSK)	MCS5	1	128	824.2	26.75	17.72	27.5	18.5
			190	836.6	26.69	17.66		
			251	848.8	26.73	17.70		
		2	128	824.2	25.32	19.30	26.0	20.0
			190	836.6	25.15	19.13		
			251	848.8	25.18	19.16		
		3	128	824.2	23.24	18.98	24.0	19.7
			190	836.6	23.02	18.76		
			251	848.8	23.12	18.86		
		4	128	824.2	22.14	19.13	23.0	20.0
			190	836.6	22.02	19.01		
			251	848.8	22.14	19.13		

Mode	Coding Scheme	Time Slots	Ch No.	Freq. (MHz)	Maximum Average Power (dBm)			
					Measured		Tune-up Limit	
					Burst Pw r	Frame Pw r	Burst Pw r	Frame Pw r
GSM (Voice)	CS1	1	512	1850.2	29.14	20.11	30.7	21.7
			661	1880.0	29.76	20.73		
			810	1909.8	29.82	20.79		
GPRS (GMSK)	CS1	1	512	1850.2	29.70	20.67	30.7	21.7
			661	1880.0	29.54	20.51		
			810	1909.8	30.09	21.06		
		2	512	1850.2	27.76	21.74	29.0	23.0
			661	1880.0	27.64	21.62		
			810	1909.8	27.90	21.88		
		3	512	1850.2	25.95	21.69	27.0	22.7
			661	1880.0	25.86	21.60		
			810	1909.8	26.19	21.93		
		4	512	1850.2	24.52	21.51	25.0	22.0
			661	1880.0	24.45	21.44		
			810	1909.8	24.70	21.69		
EGPRS (8PSK)	MCS5	1	512	1850.2	25.23	16.20	26.3	17.3
			661	1880.0	25.50	16.47		
			810	1909.8	25.64	16.61		
		2	512	1850.2	23.87	17.85	25.0	19.0
			661	1880.0	24.15	18.13		
			810	1909.8	24.28	18.26		
		3	512	1850.2	22.27	18.01	23.2	18.9
			661	1880.0	22.45	18.19		
			810	1909.8	22.49	18.23		
		4	512	1850.2	21.24	18.23	22.2	19.2
			661	1880.0	21.34	18.33		
			810	1909.8	21.45	18.44		

WCDMA B5

Mode		UL Ch No.	Freq. (MHz)	Maximum Average Power (dBm)		
				Measured Pwr	MPR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	4132	826.4	24.71	N/A	25.2
		4183	836.6	24.69		
		4233	846.6	24.63		
HSDPA	Subtest 1	4132	826.4	23.67	0	24.5
		4183	836.6	23.67		
		4233	846.6	23.59		
	Subtest 2	4132	826.4	23.69	0	24.5
		4183	836.6	23.70		
		4233	846.6	23.61		
	Subtest 3	4132	826.4	23.18	0.5	24.0
		4183	836.6	23.19		
		4233	846.6	23.10		
	Subtest 4	4132	826.4	23.17	0.5	24.0
		4183	836.6	23.19		
		4233	846.6	23.09		
HSUPA	Subtest 1	4132	826.4	23.56	0	24.5
		4183	836.6	23.50		
		4233	846.6	23.40		
	Subtest 2	4132	826.4	21.58	2	22.5
		4183	836.6	21.47		
		4233	846.6	21.40		
	Subtest 3	4132	826.4	22.56	1	23.5
		4183	836.6	22.46		
		4233	846.6	22.38		
	Subtest 4	4132	826.4	21.57	2	22.5
		4183	836.6	21.49		
		4233	846.6	21.36		
	Subtest 5	4132	826.4	23.61	0	24.5
		4183	836.6	23.61		
		4233	846.6	23.49		
DC-HSDPA	Subtest 1	4132	826.4	23.59	0	24.5
		4183	836.6	23.51		
		4233	846.6	23.41		
	Subtest 2	4132	826.4	23.55	0	24.5
		4183	836.6	23.50		
		4233	846.6	23.39		
	Subtest 3	4132	826.4	23.07	0.5	24.0
		4183	836.6	23.00		
		4233	846.6	22.91		
	Subtest 4	4132	826.4	23.08	0.5	24.0
		4183	836.6	22.99		
		4233	846.6	22.91		

WCDMA B2

Mode		UL Ch No.	Freq. (MHz)	Maximum Average Power (dBm)		
				Measured Pwr	MPR	Tune-up Limit
Release 99	Rel 99 (RMC, 12.2 kbps)	9262	1852.4	23.69	N/A	24.5
		9400	1880.0	23.94		
		9538	1907.6	23.90		
HSDPA	Subtest 1	9262	1852.4	22.69	0	24.0
		9400	1880.0	22.91		
		9538	1907.6	22.87		
	Subtest 2	9262	1852.4	22.70	0	24.0
		9400	1880.0	22.91		
		9538	1907.6	22.86		
	Subtest 3	9262	1852.4	22.21	0.5	23.5
		9400	1880.0	22.43		
		9538	1907.6	22.38		
	Subtest 4	9262	1852.4	22.18	0.5	23.5
		9400	1880.0	22.42		
		9538	1907.6	22.36		
HSUPA	Subtest 1	9262	1852.4	22.72	0	24.0
		9400	1880.0	23.04		
		9538	1907.6	22.98		
	Subtest 2	9262	1852.4	20.75	2	22.0
		9400	1880.0	21.02		
		9538	1907.6	20.97		
	Subtest 3	9262	1852.4	21.72	1	23.0
		9400	1880.0	22.00		
		9538	1907.6	21.98		
	Subtest 4	9262	1852.4	20.74	2	22.0
		9400	1880.0	21.00		
		9538	1907.6	20.98		
	Subtest 5	9262	1852.4	22.29	0	24.0
		9400	1880.0	22.57		
		9538	1907.6	22.52		
DC-HSDPA	Subtest 1	9262	1852.4	22.74	0	24.0
		9400	1880.0	23.03		
		9538	1907.6	22.99		
	Subtest 2	9262	1852.4	22.74	0	24.0
		9400	1880.0	23.02		
		9538	1907.6	22.96		
	Subtest 3	9262	1852.4	22.24	0.5	23.5
		9400	1880.0	22.50		
		9538	1907.6	22.47		
	Subtest 4	9262	1852.4	22.25	0.5	23.5
		9400	1880.0	22.51		
		9538	1907.6	22.46		

LTE Band 2

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)				
				Measured Pwr (dBm)			MPR	Tune-up Limit
				18700	18900	19100		
				1860 MHz	1880 MHz	1900 MHz		
20 MHz	QPSK	1	0	23.88	23.93	23.97	0.0	25.0
		1	49	23.84	23.91	23.97	0.0	25.0
		1	99	23.87	23.97	24.03	0.0	25.0
		50	0	23.06	23.04	23.07	1.0	24.0
		50	24	23.02	23.03	23.06	1.0	24.0
		50	50	23.00	23.06	23.06	1.0	24.0
		100	0	23.02	23.03	23.04	1.0	24.0
	16QAM	1	0	23.29	23.29	23.61	1.0	24.0
		1	49	23.24	23.32	23.55	1.0	24.0
		1	99	23.32	23.39	23.67	1.0	24.0
		50	0	21.98	22.04	22.12	2.0	23.0
		50	24	22.02	22.03	22.10	2.0	23.0
		50	50	22.00	22.02	22.11	2.0	23.0
		100	0	22.03	22.04	22.12	2.0	23.0
	64QAM	1	0	22.33	22.18	22.29	2.0	23.0
		1	49	22.24	22.20	22.31	2.0	23.0
		1	99	22.32	22.20	22.34	2.0	23.0
		50	0	21.11	21.09	21.19	3.0	22.0
		50	24	21.12	21.10	21.18	3.0	22.0
		50	50	21.14	21.11	21.14	3.0	22.0
		100	0	21.09	21.09	21.17	3.0	22.0
	256QAM	1	0	19.18	18.97	19.18	5.0	20.0
		1	49	19.16	18.93	19.20	5.0	20.0
		1	99	19.19	19.00	19.26	5.0	20.0
		50	0	19.06	19.07	19.11	5.0	20.0
		50	24	19.08	19.08	19.16	5.0	20.0
		50	50	19.07	19.06	19.07	5.0	20.0
		100	0	19.03	19.09	19.12	5.0	20.0
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				18675	18900	19125		
				1857.5 MHz	1880 MHz	1902.5 MHz		
				15 MHz	QPSK	1	0	23.94
1	37	23.82	23.76			23.90	0.0	25.0
1	74	23.93	23.79			23.91	0.0	25.0
36	0	23.00	22.89			22.95	1.0	24.0
36	20	22.98	22.90			22.96	1.0	24.0
36	39	22.99	22.87			22.96	1.0	24.0
75	0	22.94	22.90			22.95	1.0	24.0
16QAM	1	0	23.32		22.87	23.35	1.0	24.0
	1	37	23.29		22.84	23.32	1.0	24.0
	1	74	23.27		22.85	23.31	1.0	24.0
	36	0	22.09		21.91	21.98	2.0	23.0
	36	20	22.07		21.90	21.94	2.0	23.0
	36	39	22.10		21.90	21.96	2.0	23.0
	75	0	22.02		21.92	21.96	2.0	23.0
64QAM	1	0	22.01		22.21	22.24	2.0	23.0
	1	37	21.93		22.19	22.12	2.0	23.0
	1	74	21.97		22.22	22.14	2.0	23.0
	36	0	21.12		20.96	21.05	3.0	22.0
	36	20	21.13		20.96	21.07	3.0	22.0
	36	39	21.11		20.95	21.05	3.0	22.0
	75	0	21.04		20.99	21.02	3.0	22.0
256QAM	1	0	18.79		19.17	19.39	5.0	20.0
	1	37	18.82		19.16	19.32	5.0	20.0
	1	74	18.87		19.22	19.39	5.0	20.0
	36	0	19.03		18.93	19.00	5.0	20.0
	36	20	19.03		18.95	19.02	5.0	20.0
	36	39	19.02		18.94	19.03	5.0	20.0
	75	0	19.00		18.96	19.02	5.0	20.0

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				18650	18900	19150		
				1855 MHz	1880 MHz	1905 MHz		
10 MHz	QPSK	1	0	24.10	24.03	24.01	0.0	25.0
		1	25	24.02	23.99	23.99	0.0	25.0
		1	49	23.98	23.98	23.91	0.0	25.0
		25	0	23.13	23.04	23.09	1.0	24.0
		25	12	23.11	23.07	23.09	1.0	24.0
		25	25	23.10	23.01	23.04	1.0	24.0
	16QAM	50	0	23.09	23.04	23.07	1.0	24.0
		1	0	23.45	23.14	23.10	1.0	24.0
		1	25	23.44	22.95	23.06	1.0	24.0
		1	49	23.40	22.90	22.99	1.0	24.0
		25	0	22.16	22.09	22.22	2.0	23.0
		25	12	22.22	22.14	22.20	2.0	23.0
	64QAM	25	25	22.16	22.05	22.14	2.0	23.0
		50	0	22.13	22.04	22.11	2.0	23.0
		1	0	22.00	22.29	22.08	2.0	23.0
		1	25	21.84	22.24	22.03	2.0	23.0
		1	49	21.88	22.20	22.18	2.0	23.0
		25	0	21.26	21.12	21.22	3.0	22.0
	256QAM	25	12	21.23	21.10	21.20	3.0	22.0
		25	25	21.22	21.07	21.14	3.0	22.0
		50	0	21.18	21.07	21.15	3.0	22.0
		1	0	19.21	19.61	19.00	5.0	20.0
		1	25	19.15	19.51	18.90	5.0	20.0
		1	49	19.12	19.55	18.90	5.0	20.0
5 MHz	QPSK	25	0	19.26	19.17	19.19	5.0	20.0
		25	12	19.29	19.15	19.16	5.0	20.0
		25	25	19.22	19.09	19.13	5.0	20.0
		50	0	19.21	19.11	19.12	5.0	20.0
		1	0	24.09	24.08	24.10	0.0	25.0
		1	12	24.04	24.00	24.04	0.0	25.0
	16QAM	1	24	24.03	24.01	24.00	0.0	25.0
		12	0	23.12	23.04	23.14	1.0	24.0
		12	7	23.13	23.04	23.11	1.0	24.0
		12	13	23.04	22.94	23.05	1.0	24.0
		25	0	23.10	23.03	23.05	1.0	24.0
		1	0	23.59	23.21	23.21	1.0	24.0
	64QAM	1	12	23.51	23.13	23.07	1.0	24.0
		1	24	23.55	23.15	23.09	1.0	24.0
		12	0	22.30	22.14	22.15	2.0	23.0
		12	7	22.27	22.13	22.17	2.0	23.0
		12	13	22.17	22.04	22.07	2.0	23.0
		25	0	22.14	22.02	22.03	2.0	23.0
	256QAM	1	0	22.49	22.23	22.29	2.0	23.0
		1	12	22.49	22.27	22.34	2.0	23.0
		1	24	22.34	22.11	22.20	2.0	23.0
		12	0	21.18	21.23	21.02	3.0	22.0
		12	7	21.16	21.20	21.03	3.0	22.0
		12	13	21.07	21.14	20.93	3.0	22.0
QPSK	25	0	21.11	21.07	21.06	3.0	22.0	
	1	0	19.35	19.10	18.82	5.0	20.0	
	1	12	19.25	19.18	18.86	5.0	20.0	
	1	24	19.27	19.05	18.73	5.0	20.0	
	12	0	19.21	19.12	19.13	5.0	20.0	
	12	7	19.20	19.13	19.12	5.0	20.0	
16QAM	12	13	19.12	19.01	19.05	5.0	20.0	
	25	0	19.18	19.10	19.12	5.0	20.0	
	1	0	24.09	24.08	24.10	0.0	25.0	
	1	12	24.04	24.00	24.04	0.0	25.0	
	1	24	24.03	24.01	24.00	0.0	25.0	
	12	0	23.12	23.04	23.14	1.0	24.0	
64QAM	12	7	23.13	23.04	23.11	1.0	24.0	
	12	13	23.04	22.94	23.05	1.0	24.0	
	25	0	23.10	23.03	23.05	1.0	24.0	
	1	0	23.59	23.21	23.21	1.0	24.0	
	1	12	23.51	23.13	23.07	1.0	24.0	
	1	24	23.55	23.15	23.09	1.0	24.0	
256QAM	12	0	22.30	22.14	22.15	2.0	23.0	
	12	7	22.27	22.13	22.17	2.0	23.0	
	12	13	22.17	22.04	22.07	2.0	23.0	
	25	0	22.14	22.02	22.03	2.0	23.0	
	1	0	22.49	22.23	22.29	2.0	23.0	
	1	12	22.49	22.27	22.34	2.0	23.0	
QPSK	1	24	22.34	22.11	22.20	2.0	23.0	
	12	0	21.18	21.23	21.02	3.0	22.0	
	12	7	21.16	21.20	21.03	3.0	22.0	
	12	13	21.07	21.14	20.93	3.0	22.0	
	25	0	21.11	21.07	21.06	3.0	22.0	
	1	0	19.35	19.10	18.82	5.0	20.0	
16QAM	1	12	19.25	19.18	18.86	5.0	20.0	
	1	24	19.27	19.05	18.73	5.0	20.0	
	12	0	19.21	19.12	19.13	5.0	20.0	
	12	7	19.20	19.13	19.12	5.0	20.0	
	12	13	19.12	19.01	19.05	5.0	20.0	
	25	0	19.18	19.10	19.12	5.0	20.0	

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				18615	18900	19185		
				1851.5 MHz	1880 MHz	1908.5 MHz		
3 MHz	QPSK	1	0	24.09	24.00	24.13	0.0	25.0
		1	8	23.89	23.80	23.97	0.0	25.0
		1	14	23.93	23.91	24.00	0.0	25.0
		8	0	23.11	23.01	23.08	1.0	24.0
		8	4	23.07	23.03	23.06	1.0	24.0
		8	7	23.07	23.00	23.04	1.0	24.0
	16QAM	15	0	23.06	22.99	23.04	1.0	24.0
		1	0	23.19	22.97	23.49	1.0	24.0
		1	8	23.04	22.89	23.33	1.0	24.0
		1	14	23.01	22.80	23.34	1.0	24.0
		8	0	22.17	22.12	22.11	2.0	23.0
		8	4	22.16	22.12	22.13	2.0	23.0
	64QAM	8	7	22.15	22.11	22.10	2.0	23.0
		15	0	22.06	22.03	22.08	2.0	23.0
		1	0	22.36	21.93	22.09	2.0	23.0
		1	8	22.32	21.82	22.14	2.0	23.0
		1	14	22.18	21.78	21.95	2.0	23.0
		8	0	21.24	21.13	21.14	3.0	22.0
	256QAM	8	4	21.29	21.11	21.20	3.0	22.0
		8	7	21.25	21.07	21.18	3.0	22.0
		15	0	21.08	21.05	21.15	3.0	22.0
		1	0	19.59	19.10	18.95	5.0	20.0
		1	8	19.56	19.10	18.86	5.0	20.0
		1	14	19.43	18.93	18.77	5.0	20.0
1.4 MHz	QPSK	8	0	19.26	19.21	19.05	5.0	20.0
		8	4	19.20	19.20	19.07	5.0	20.0
		8	7	19.20	19.19	19.03	5.0	20.0
		15	0	19.17	19.10	19.18	5.0	20.0
		1	0	23.95	24.01	23.95	0.0	25.0
		1	3	23.95	24.04	23.93	0.0	25.0
	16QAM	1	5	23.88	23.92	23.85	0.0	25.0
		3	0	23.92	23.88	23.97	0.0	25.0
		3	1	23.99	23.94	24.30	0.0	25.0
		3	3	23.90	23.93	24.01	0.0	25.0
		6	0	23.00	22.88	22.98	0.0	25.0
		1	0	23.00	23.16	23.51	1.0	24.0
	64QAM	1	3	23.05	23.21	23.48	1.0	24.0
		1	5	22.91	23.08	23.43	1.0	24.0
		3	0	23.21	23.04	23.21	1.0	24.0
		3	1	23.18	23.03	23.16	1.0	24.0
		3	3	23.18	23.06	23.15	1.0	24.0
		6	0	22.17	22.10	21.86	1.0	24.0
	256QAM	1	0	22.11	22.19	22.12	2.0	23.0
		1	3	22.12	22.20	22.12	2.0	23.0
		1	5	22.01	22.07	21.96	2.0	23.0
		3	0	22.21	22.07	22.20	2.0	23.0
		3	1	22.35	22.04	22.32	2.0	23.0
		3	3	22.30	22.02	22.31	2.0	23.0
256QAM	6	0	21.16	21.03	21.14	2.0	23.0	
	1	0	19.29	19.18	19.16	5.0	20.0	
	1	3	19.40	19.28	19.23	5.0	20.0	
	1	5	19.19	19.06	19.08	5.0	20.0	
	3	0	19.04	18.94	19.15	5.0	20.0	
	3	1	19.08	18.99	19.06	5.0	20.0	
256QAM	3	3	18.98	18.90	19.10	5.0	20.0	
	6	0	19.04	18.93	19.10	5.0	20.0	

LTE Band 5

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)					
				Measured Pwr (dBm)			MPR	Tune-up Limit	
				20450	20525	20600			
				829 MHz	836.5 MHz	844 MHz			
10 MHz	QPSK	1	0	24.60	24.81	24.52	0.0	25.5	
		1	25	24.51	24.69	24.44	0.0	25.5	
		1	49	24.53	24.64	24.42	0.0	25.5	
		25	0	23.63	23.77	23.56	1.0	24.5	
		25	12	23.60	23.85	23.64	1.0	24.5	
		25	25	23.66	23.81	23.60	1.0	24.5	
	16QAM	50	0	23.61	23.86	23.64	1.0	24.5	
		1	0	23.66	23.80	23.61	1.0	24.5	
		1	25	23.52	23.78	23.57	1.0	24.5	
		1	49	23.47	23.70	23.49	1.0	24.5	
		25	0	22.63	22.88	22.62	2.0	23.5	
		25	12	22.64	22.96	22.72	2.0	23.5	
	64QAM	25	25	22.68	22.91	22.69	2.0	23.5	
		50	0	22.60	22.91	22.68	2.0	23.5	
		1	0	22.94	23.09	22.89	2.0	23.5	
		1	25	22.99	23.12	22.86	2.0	23.5	
		1	49	22.96	23.08	22.81	2.0	23.5	
		25	0	21.68	21.83	21.64	3.0	22.5	
	256QAM	25	12	21.69	21.94	21.64	3.0	22.5	
		25	25	21.73	21.89	21.44	3.0	22.5	
		50	0	21.62	21.88	21.53	3.0	22.5	
		1	0	20.16	20.34	20.12	5.0	20.5	
		1	25	20.13	20.31	20.07	5.0	20.5	
		1	49	20.16	20.35	20.11	5.0	20.5	
	5 MHz	QPSK	25	0	19.75	19.93	19.69	5.0	20.5
			25	12	19.71	19.94	19.75	5.0	20.5
			25	25	19.77	19.93	19.74	5.0	20.5
			50	0	19.68	19.93	19.72	5.0	20.5
1			0	24.89	24.89	24.63	0.0	25.5	
1			12	24.88	24.77	24.60	0.0	25.5	
16QAM		1	24	24.91	24.89	24.63	0.0	25.5	
		12	0	23.87	23.78	23.63	1.0	24.5	
		12	7	23.94	23.82	23.67	1.0	24.5	
		12	13	23.94	23.80	23.62	1.0	24.5	
		25	0	23.93	23.85	23.63	1.0	24.5	
		1	0	24.05	24.02	24.17	1.0	24.5	
64QAM		1	12	23.88	23.89	24.17	1.0	24.5	
		1	24	24.02	24.00	24.17	1.0	24.5	
		12	0	22.93	22.86	22.79	2.0	23.5	
		12	7	22.96	22.92	22.78	2.0	23.5	
		12	13	23.01	22.86	22.75	2.0	23.5	
		25	0	22.88	22.86	22.69	2.0	23.5	
256QAM		1	0	23.11	23.07	22.92	2.0	23.5	
		1	12	23.07	23.15	23.08	2.0	23.5	
		1	24	23.07	23.11	22.60	2.0	23.5	
		12	0	22.11	21.74	21.67	3.0	22.5	
		12	7	22.10	21.82	21.70	3.0	22.5	
		12	13	22.08	21.77	21.65	3.0	22.5	
256QAM		25	0	21.96	21.86	21.68	3.0	22.5	
		1	0	20.18	19.62	19.87	5.0	20.5	
		1	12	19.99	19.64	19.82	5.0	20.5	
		1	24	20.33	19.64	19.91	5.0	20.5	
	12	0	20.27	19.82	19.73	5.0	20.5		
	12	7	20.18	19.92	19.74	5.0	20.5		
256QAM	12	13	19.97	19.88	19.68	5.0	20.5		
	25	0	20.01	19.95	19.71	5.0	20.5		

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				20415.00	20525.00	20635.00		
				825.5 MHz	836.5 MHz	847.5 MHz		
3 MHz	QPSK	1	0	24.90	24.78	24.61	0.0	25.5
		1	8	24.80	24.63	24.47	0.0	25.5
		1	14	24.90	24.73	24.63	0.0	25.5
		8	0	23.91	23.83	23.62	1.0	24.5
		8	4	23.90	23.85	23.70	1.0	24.5
		8	7	23.92	23.84	23.74	1.0	24.5
	16QAM	15	0	23.88	23.83	23.61	1.0	24.5
		1	0	24.28	23.89	23.57	1.0	24.5
		1	8	24.14	23.77	23.48	1.0	24.5
		1	14	24.27	23.84	23.55	1.0	24.5
		8	0	22.92	22.83	22.66	2.0	23.5
		8	4	22.98	22.85	22.83	2.0	23.5
	64QAM	8	7	23.01	22.88	22.82	2.0	23.5
		15	0	22.95	22.79	22.66	2.0	23.5
		1	0	22.73	23.10	22.60	2.0	23.5
		1	8	22.74	23.07	22.62	2.0	23.5
		1	14	22.81	23.06	22.30	2.0	23.5
		8	0	21.98	22.02	21.65	3.0	22.5
	256QAM	8	4	22.01	22.00	21.77	3.0	22.5
		8	7	22.01	22.00	21.68	3.0	22.5
		15	0	21.94	21.85	21.73	3.0	22.5
1		0	19.91	20.25	19.48	5.0	20.5	
1		8	20.00	20.22	19.53	5.0	20.5	
1		14	19.97	20.19	19.54	5.0	20.5	
1.4 MHz	QPSK	8	0	20.05	19.99	19.57	5.0	20.5
		8	4	20.11	19.97	19.72	5.0	20.5
		8	7	20.12	19.97	19.73	5.0	20.5
		15	0	20.03	19.93	19.69	5.0	20.5
		1	0	24.79	24.65	24.49	0.0	25.5
		1	3	24.87	24.67	24.49	0.0	25.5
	16QAM	1	5	24.77	24.63	24.47	0.0	25.5
		3	0	24.71	24.69	24.47	0.0	25.5
		3	1	24.79	24.72	24.49	0.0	25.5
		3	3	24.77	24.76	24.52	0.0	25.5
		6	0	23.80	23.77	23.60	1.0	24.5
		1	0	23.92	24.19	23.50	1.0	24.5
	64QAM	1	3	24.04	24.19	23.63	1.0	24.5
		1	5	23.92	24.09	23.52	1.0	24.5
		3	0	23.81	23.92	23.73	1.0	24.5
		3	1	23.87	23.95	23.75	1.0	24.5
		3	3	23.87	23.86	23.77	1.0	24.5
		6	0	22.96	22.61	22.75	2.0	23.5
	256QAM	1	0	23.00	22.80	22.55	2.0	23.5
		1	3	23.15	22.85	22.47	2.0	23.5
		1	5	22.98	22.76	22.18	2.0	23.5
3		0	22.90	23.02	22.60	2.0	23.5	
3		1	22.94	23.03	22.57	2.0	23.5	
3		3	22.93	23.04	22.50	2.0	23.5	
256QAM	6	0	21.91	21.89	21.49	3.0	22.5	
	1	0	19.95	19.83	19.71	5.0	20.5	
	1	3	20.10	19.97	19.82	5.0	20.5	
	1	5	19.97	19.82	19.71	5.0	20.5	
	3	0	19.84	19.73	19.60	5.0	20.5	
	3	1	19.88	19.75	19.59	5.0	20.5	
256QAM	3	3	19.87	19.70	19.56	5.0	20.5	
	6	0	19.81	19.70	19.57	5.0	20.5	

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	
				20415.00	20525.00	20635.00			
				825.5 MHz	836.5 MHz	847.5 MHz			
3 MHz	QPSK	1	0	24.90	24.78	24.61	0.0	25.5	
		1	8	24.80	24.63	24.47	0.0	25.5	
		1	14	24.90	24.73	24.63	0.0	25.5	
		8	0	23.91	23.83	23.62	1.0	24.5	
		8	4	23.90	23.85	23.70	1.0	24.5	
		8	7	23.92	23.84	23.74	1.0	24.5	
	16QAM	15	0	23.88	23.83	23.61	1.0	24.5	
		1	0	24.28	23.89	23.57	1.0	24.5	
		1	8	24.14	23.77	23.48	1.0	24.5	
		1	14	24.27	23.84	23.55	1.0	24.5	
		8	0	22.92	22.83	22.66	2.0	23.5	
		8	4	22.98	22.85	22.83	2.0	23.5	
	64QAM	8	7	23.01	22.88	22.82	2.0	23.5	
		15	0	22.95	22.79	22.66	2.0	23.5	
		1	0	22.73	23.10	22.60	2.0	23.5	
		1	8	22.74	23.07	22.62	2.0	23.5	
		1	14	22.81	23.06	22.30	2.0	23.5	
		8	0	21.98	22.02	21.65	3.0	22.5	
	256QAM	8	4	22.01	22.00	21.77	3.0	22.5	
		8	7	22.01	22.00	21.68	3.0	22.5	
		15	0	21.94	21.85	21.73	3.0	22.5	
		1	0	19.91	20.25	19.48	5.0	20.5	
		1	8	20.00	20.22	19.53	5.0	20.5	
		1	14	19.97	20.19	19.54	5.0	20.5	
	1.4 MHz	QPSK	8	0	20.05	19.99	19.57	5.0	20.5
			8	4	20.11	19.97	19.72	5.0	20.5
			8	7	20.12	19.97	19.73	5.0	20.5
15			0	20.03	19.93	19.69	5.0	20.5	
1			0	24.79	24.65	24.49	0.0	25.5	
1			3	24.87	24.67	24.49	0.0	25.5	
16QAM		1	5	24.77	24.63	24.47	0.0	25.5	
		3	0	24.71	24.69	24.47	0.0	25.5	
		3	1	24.79	24.72	24.49	0.0	25.5	
		3	3	24.77	24.76	24.52	0.0	25.5	
		6	0	23.80	23.77	23.60	1.0	24.5	
		1	0	23.92	24.19	23.50	1.0	24.5	
64QAM		1	3	24.04	24.19	23.63	1.0	24.5	
		1	5	23.92	24.09	23.52	1.0	24.5	
		3	0	23.81	23.92	23.73	1.0	24.5	
		3	1	23.87	23.95	23.75	1.0	24.5	
		3	3	23.87	23.86	23.77	1.0	24.5	
		6	0	22.96	22.61	22.75	2.0	23.5	
256QAM		1	0	23.00	22.80	22.55	2.0	23.5	
		1	3	23.15	22.85	22.47	2.0	23.5	
		1	5	22.98	22.76	22.18	2.0	23.5	
		3	0	22.90	23.02	22.60	2.0	23.5	
		3	1	22.94	23.03	22.57	2.0	23.5	
		3	3	22.93	23.04	22.50	2.0	23.5	
QPSK		6	0	21.91	21.89	21.49	3.0	22.5	
		1	0	19.95	19.83	19.71	5.0	20.5	
		1	3	20.10	19.97	19.82	5.0	20.5	
	1	5	19.97	19.82	19.71	5.0	20.5		
	3	0	19.84	19.73	19.60	5.0	20.5		
	3	1	19.88	19.75	19.59	5.0	20.5		
16QAM	3	3	19.87	19.70	19.56	5.0	20.5		
	6	0	19.81	19.70	19.57	5.0	20.5		
	1	0	24.79	24.65	24.49	0.0	25.5		
	1	3	24.87	24.67	24.49	0.0	25.5		
	1	5	24.77	24.63	24.47	0.0	25.5		
	3	0	24.71	24.69	24.47	0.0	25.5		
64QAM	3	1	24.79	24.72	24.49	0.0	25.5		
	3	3	24.77	24.76	24.52	0.0	25.5		
	6	0	23.80	23.77	23.60	1.0	24.5		
	1	0	23.92	24.19	23.50	1.0	24.5		
	1	3	24.04	24.19	23.63	1.0	24.5		
	1	5	23.92	24.09	23.52	1.0	24.5		
256QAM	3	0	23.81	23.92	23.73	1.0	24.5		
	3	1	23.87	23.95	23.75	1.0	24.5		
	3	3	23.87	23.86	23.77	1.0	24.5		
	6	0	22.96	22.61	22.75	2.0	23.5		
	1	0	23.00	22.80	22.55	2.0	23.5		
	1	3	23.15	22.85	22.47	2.0	23.5		
QPSK	1	5	22.98	22.76	22.18	2.0	23.5		
	3	0	22.90	23.02	22.60	2.0	23.5		
	3	1	22.94	23.03	22.57	2.0	23.5		
	3	3	22.93	23.04	22.50	2.0	23.5		
	6	0	21.91	21.89	21.49	3.0	22.5		
	1	0	19.95	19.83	19.71	5.0	20.5		
16QAM	1	3	20.10	19.97	19.82	5.0	20.5		
	1	5	19.97	19.82	19.71	5.0	20.5		
	3	0	19.84	19.73	19.60	5.0	20.5		
	3	1	19.88	19.75	19.59	5.0	20.5		
	3	3	19.87	19.70	19.56	5.0	20.5		
	6	0	19.81	19.70	19.57	5.0	20.5		

LTE Band 7

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)				
				Measured Pwr (dBm)			MPR	Tune-up Limit
				20850	21100	21350		
				2510 MHz	2535 MHz	2560 MHz		
20 MHz	QPSK	1	0	23.21	23.24	23.19	0.0	24.5
		1	49	23.18	23.27	23.19	0.0	24.5
		1	99	23.28	23.28	23.18	0.0	24.5
		50	0	22.43	22.38	22.44	1.0	23.5
		50	24	22.45	22.38	22.45	1.0	23.5
		50	50	22.44	22.37	22.34	1.0	23.5
	100	0	22.44	22.38	22.39	1.0	23.5	
	16QAM	1	0	22.55	22.83	22.85	1.0	23.5
		1	49	22.64	22.87	22.79	1.0	23.5
		1	99	22.72	22.94	22.82	1.0	23.5
		50	0	21.38	21.42	21.48	2.0	22.5
		50	24	21.43	21.42	21.48	2.0	22.5
		50	50	21.41	21.37	21.36	2.0	22.5
	100	0	21.44	21.42	21.42	2.0	22.5	
	64QAM	1	0	21.84	21.38	21.71	2.0	22.5
		1	49	21.97	21.46	21.69	2.0	22.5
		1	99	22.05	21.46	21.69	2.0	22.5
		50	0	20.39	20.43	20.51	3.0	21.5
		50	24	20.44	20.44	20.50	3.0	21.5
		50	50	20.44	20.42	20.41	3.0	21.5
	100	0	20.44	20.46	20.48	3.0	21.5	
	256QAM	1	0	18.43	18.29	18.58	5.0	19.5
		1	49	18.44	18.26	18.48	5.0	19.5
		1	99	18.69	18.38	18.57	5.0	19.5
50		0	18.42	18.38	18.43	5.0	19.5	
50		24	18.43	18.44	18.43	5.0	19.5	
50		50	18.48	18.45	18.37	5.0	19.5	
100	0	18.43	18.42	18.39	5.0	19.5		
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				20825	21100	21375		
				2507.5 MHz	2535 MHz	2562.5 MHz		
				15 MHz	QPSK	1	0	23.19
1	37	23.22	23.19			23.20	0.0	24.5
1	74	23.27	23.20			23.28	0.0	24.5
36	0	22.33	22.35			22.39	1.0	23.5
36	20	22.38	22.35			22.39	1.0	23.5
36	39	22.38	22.34			22.39	1.0	23.5
75	0	22.33	22.31		22.38	1.0	23.5	
16QAM	1	0	22.61		22.22	22.63	1.0	23.5
	1	37	22.65		22.27	22.61	1.0	23.5
	1	74	22.73		22.27	22.63	1.0	23.5
	36	0	21.29		21.36	21.45	2.0	22.5
	36	20	21.36		21.35	21.45	2.0	22.5
	36	39	21.37		21.36	21.42	2.0	22.5
75	0	21.39	21.33		21.42	2.0	22.5	
64QAM	1	0	21.26		21.59	21.61	2.0	22.5
	1	37	21.20		21.64	21.48	2.0	22.5
	1	74	21.33		21.63	21.46	2.0	22.5
	36	0	20.43		20.34	20.48	3.0	21.5
	36	20	20.47		20.38	20.49	3.0	21.5
	36	39	20.48		20.34	20.51	3.0	21.5
75	0	20.40	20.42		20.46	3.0	21.5	
256QAM	1	0	18.14		18.57	18.81	5.0	19.5
	1	37	18.11		18.59	18.72	5.0	19.5
	1	74	18.31		18.66	18.76	5.0	19.5
	36	0	18.34	18.34	18.46	5.0	19.5	
	36	20	18.34	18.36	18.47	5.0	19.5	
	36	39	18.39	18.36	18.47	5.0	19.5	
75	0	18.37	18.38	18.46	5.0	19.5		

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				20800	21100	21400		
				2505 MHz	2535 MHz	2565 MHz		
10 MHz	QPSK	1	0	23.35	23.29	23.43	0.0	24.5
		1	25	23.34	23.39	23.39	0.0	24.5
		1	49	23.44	23.44	23.43	0.0	24.5
		25	0	22.50	22.49	22.49	1.0	23.5
		25	12	22.55	22.52	22.55	1.0	23.5
		25	25	22.54	22.51	22.50	1.0	23.5
		50	0	22.48	22.48	22.53	1.0	23.5
	16QAM	1	0	22.37	22.31	22.81	1.0	23.5
		1	25	22.40	22.56	22.79	1.0	23.5
		1	49	22.50	22.43	22.83	1.0	23.5
		25	0	21.64	21.52	21.60	2.0	22.5
		25	12	21.62	21.55	21.61	2.0	22.5
		25	25	21.63	21.54	21.61	2.0	22.5
		50	0	21.57	21.48	21.54	2.0	22.5
	64QAM	1	0	21.72	21.51	21.28	2.0	22.5
		1	25	21.64	21.54	21.27	2.0	22.5
		1	49	21.73	21.58	21.31	2.0	22.5
		25	0	20.58	20.59	20.63	3.0	21.5
		25	12	20.59	20.59	20.65	3.0	21.5
		25	25	20.60	20.61	20.62	3.0	21.5
		50	0	20.52	20.64	20.57	3.0	21.5
	256QAM	1	0	18.95	18.37	18.43	5.0	19.5
		1	25	18.90	18.45	18.47	5.0	19.5
		1	49	18.95	18.27	18.53	5.0	19.5
		25	0	18.50	18.55	18.58	5.0	19.5
		25	12	18.57	18.62	18.67	5.0	19.5
		25	25	18.57	18.57	18.63	5.0	19.5
		50	0	18.54	18.53	18.59	5.0	19.5
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				20775	21100	21425		
				2502.5 MHz	2535 MHz	2567.5 MHz		
5 MHz	QPSK	1	0	22.46	23.49	23.50	0.0	24.5
		1	12	23.38	23.42	23.46	0.0	24.5
		1	24	23.45	23.52	23.55	0.0	24.5
		12	0	22.46	22.46	22.46	1.0	23.5
		12	7	22.51	22.53	22.57	1.0	23.5
		12	13	22.47	22.45	22.56	1.0	23.5
		25	0	22.42	22.47	22.50	1.0	23.5
	16QAM	1	0	22.50	22.62	22.93	1.0	23.5
		1	12	22.49	22.59	23.00	1.0	23.5
		1	24	22.55	22.66	22.94	1.0	23.5
		12	0	21.46	21.57	21.64	2.0	22.5
		12	7	21.54	21.65	21.69	2.0	22.5
		12	13	21.61	21.55	21.75	2.0	22.5
		25	0	21.44	21.47	21.56	2.0	22.5
	64QAM	1	0	21.66	21.79	21.72	2.0	22.5
		1	12	21.78	21.92	21.77	2.0	22.5
		1	24	21.75	21.67	21.76	2.0	22.5
		12	0	20.40	20.52	20.65	3.0	21.5
		12	7	20.48	20.55	20.78	3.0	21.5
		12	13	20.49	20.53	20.78	3.0	21.5
		25	0	20.46	20.43	20.60	3.0	21.5
	256QAM	1	0	18.24	18.69	18.58	5.0	19.5
		1	12	18.30	18.70	18.68	5.0	19.5
		1	24	18.29	18.70	18.63	5.0	19.5
		12	0	18.44	18.54	18.53	5.0	19.5
		12	7	18.52	18.68	18.56	5.0	19.5
		12	13	18.60	18.51	18.61	5.0	19.5
		25	0	18.56	18.48	18.63	5.0	19.5

LTE Band 12

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)					
				Measured Pwr (dBm)			MPR	Tune-up Limit	
				23060	23095	23130			
				704 MHz	707.5 MHz	711 MHz			
10 MHz	QPSK	1	0	24.47	24.47	24.44	0.0	25.5	
		1	25	24.43	24.40	24.39	0.0	25.5	
		1	49	24.29	24.33	24.31	0.0	25.5	
		25	0	23.54	23.52	23.48	1.0	24.5	
		25	12	23.59	23.55	23.46	1.0	24.5	
		25	25	23.53	23.51	23.51	1.0	24.5	
	16QAM	50	0	23.54	23.54	23.57	1.0	24.5	
		1	0	23.54	23.57	23.53	1.0	24.5	
		1	25	23.48	23.49	23.47	1.0	24.5	
		1	49	23.36	23.39	23.39	1.0	24.5	
		25	0	22.61	22.61	22.60	2.0	23.5	
		25	12	22.65	22.67	22.59	2.0	23.5	
	64QAM	25	25	22.60	22.62	22.62	2.0	23.5	
		50	0	22.63	22.62	22.60	2.0	23.5	
		1	0	21.86	22.17	22.38	2.0	23.5	
		1	25	22.44	22.73	21.58	2.0	23.5	
		1	49	22.69	21.85	21.98	2.0	23.5	
		25	0	20.91	21.60	21.59	3.0	22.5	
	256QAM	25	12	21.35	21.65	21.10	3.0	22.5	
		25	25	21.58	21.25	20.76	3.0	22.5	
		50	0	21.23	21.36	21.13	3.0	22.5	
		1	0	20.10	20.02	19.51	5.0	20.5	
		1	25	20.05	20.06	19.59	5.0	20.5	
		1	49	20.11	20.12	19.58	5.0	20.5	
	5 MHz	QPSK	25	0	19.63	19.66	19.62	5.0	20.5
			25	12	19.66	19.68	19.61	5.0	20.5
			25	25	19.64	19.66	19.64	5.0	20.5
			50	0	19.68	19.66	19.63	5.0	20.5
			1	0	24.42	24.52	24.55	0.0	25.5
			1	12	24.55	24.53	24.50	0.0	25.5
16QAM		1	24	24.48	24.45	24.49	0.0	25.5	
		12	0	23.53	23.49	23.54	1.0	24.5	
		12	7	23.63	23.59	23.61	1.0	24.5	
		12	13	23.57	23.51	23.55	1.0	24.5	
		25	0	23.55	23.51	23.55	1.0	24.5	
		1	0	23.49	23.65	23.64	1.0	24.5	
64QAM		1	12	23.55	23.53	23.49	1.0	24.5	
		1	24	23.64	23.57	23.67	1.0	24.5	
		12	0	22.60	22.57	22.56	2.0	23.5	
		12	7	22.69	22.59	22.63	2.0	23.5	
		12	13	22.60	22.56	22.60	2.0	23.5	
		25	0	22.55	22.46	22.51	2.0	23.5	
256QAM		1	0	22.30	22.71	22.15	2.0	23.5	
		1	12	22.09	22.84	21.81	2.0	23.5	
		1	24	22.46	22.56	22.43	2.0	23.5	
		12	0	20.72	21.44	20.61	3.0	22.5	
		12	7	20.73	21.53	20.60	3.0	22.5	
		12	13	20.78	21.47	20.72	3.0	22.5	
256QAM		25	0	20.80	21.55	20.74	3.0	22.5	
		1	0	19.31	19.26	19.27	5.0	20.5	
		1	12	19.38	19.34	19.37	5.0	20.5	
		1	24	19.29	19.25	19.32	5.0	20.5	
		12	0	19.58	19.55	19.54	5.0	20.5	
		12	7	19.68	19.61	19.66	5.0	20.5	
256QAM	12	13	19.59	19.57	19.58	5.0	20.5		
	25	0	19.65	19.62	19.65	5.0	20.5		

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				23025.00	23095.00	23165.00		
				700.5 MHz	707.5 MHz	714.5 MHz		
3 MHz	QPSK	1	0	24.50	24.44	24.44	0.0	25.5
		1	8	24.37	24.35	24.38	0.0	25.5
		1	14	24.43	24.38	24.40	0.0	25.5
		8	0	23.56	23.55	23.47	1.0	24.5
		8	4	23.56	23.57	23.62	1.0	24.5
		8	7	23.54	23.52	23.55	1.0	24.5
	16QAM	15	0	23.57	23.51	23.54	1.0	24.5
		1	0	23.61	23.57	23.41	1.0	24.5
		1	8	23.47	23.45	23.51	1.0	24.5
		1	14	23.49	23.47	23.52	1.0	24.5
		8	0	22.62	22.60	22.51	2.0	23.5
		8	4	22.66	22.56	22.62	2.0	23.5
	64QAM	8	7	22.64	22.58	22.59	2.0	23.5
		15	0	22.54	22.48	22.50	2.0	23.5
		1	0	22.28	22.71	21.91	2.0	23.5
		1	8	21.91	22.79	22.06	2.0	23.5
		1	14	22.06	22.70	22.44	2.0	23.5
		8	0	20.90	21.73	20.84	3.0	22.5
	256QAM	8	4	20.88	21.69	21.01	3.0	22.5
		8	7	20.91	21.69	21.11	3.0	22.5
		15	0	20.73	21.53	20.85	3.0	22.5
		1	0	19.91	19.84	19.93	5.0	20.5
		1	8	19.94	19.85	19.92	5.0	20.5
		1	14	19.87	19.85	19.87	5.0	20.5
1.4 MHz	QPSK	8	0	19.72	19.64	19.63	5.0	20.5
		8	4	19.72	19.66	19.69	5.0	20.5
		8	7	19.68	19.66	19.67	5.0	20.5
		15	0	19.65	19.61	19.61	5.0	20.5
		1	0	24.39	24.39	24.38	0.0	25.5
		1	3	24.40	24.36	24.40	0.0	25.5
	16QAM	1	5	24.38	24.33	24.39	0.0	25.5
		3	0	24.23	24.37	24.46	0.0	25.5
		3	1	24.33	24.39	24.48	0.0	25.5
		3	3	24.37	24.35	24.48	0.0	25.5
		6	0	23.44	23.48	23.39	1.0	24.5
		1	0	23.43	23.41	23.85	1.0	24.5
	64QAM	1	3	23.45	23.49	23.90	1.0	24.5
		1	5	23.41	23.38	23.83	1.0	24.5
		3	0	23.46	23.62	23.67	1.0	24.5
		3	1	23.53	23.69	23.65	1.0	24.5
		3	3	23.64	23.64	23.62	1.0	24.5
		6	0	22.65	22.62	22.25	2.0	23.5
	256QAM	1	0	21.88	22.38	21.80	2.0	23.5
		1	3	21.44	22.37	21.91	2.0	23.5
		1	5	21.70	22.29	21.96	2.0	23.5
		3	0	21.76	22.34	21.78	2.0	23.5
		3	1	21.69	22.32	21.88	2.0	23.5
		3	3	21.73	22.25	21.92	2.0	23.5
256QAM	6	0	20.72	21.45	20.97	3.0	22.5	
	1	0	19.54	19.59	19.53	5.0	20.5	
	1	3	19.72	19.63	19.67	5.0	20.5	
	1	5	19.55	19.52	19.53	5.0	20.5	
	3	0	19.48	19.53	19.46	5.0	20.5	
	3	1	19.51	19.53	19.53	5.0	20.5	
3 MHz	QPSK	3	3	19.46	19.51	19.55	5.0	20.5
		3	3	19.46	19.51	19.55	5.0	20.5
		6	0	19.47	19.56	19.50	5.0	20.5

LTE Band 13

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)				
				Measured Pwr (dBm)			MPR	Tune-up Limit
				23230	782 MHz	23230		
10 MHz	QPSK	1	0	24.01			0.0	25.5
		1	25	24.38			0.0	25.5
		1	49	24.22			0.0	25.5
		25	0	23.51			1.0	24.5
		25	12	23.42			1.0	24.5
		25	25	23.35			1.0	24.5
	16QAM	50	0	23.43			1.0	24.5
		1	0	23.02			1.0	24.5
		1	25	23.45			1.0	24.5
		1	49	23.31			1.0	24.5
		25	0	22.62			2.0	23.5
		25	12	22.51			2.0	23.5
	64QAM	25	25	22.41			2.0	23.5
		50	0	22.49			2.0	23.5
		1	0	21.52			2.0	23.5
		1	25	22.52			2.0	23.5
		1	49	22.56			2.0	23.5
		25	0	21.48			3.0	22.5
	256QAM	25	12	21.47			3.0	22.5
		25	25	21.40			3.0	22.5
		50	0	21.50			3.0	22.5
		1	0	20.07			5.0	20.5
		1	25	19.98			5.0	20.5
		1	49	19.86			5.0	20.5
5 MHz	QPSK	25	0	19.62			5.0	20.5
		25	12	19.48			5.0	20.5
		25	25	19.44			5.0	20.5
		50	0	19.50			5.0	20.5
		1	0	23.61	24.33	23.95	0.0	25.5
		1	12	23.94	24.30	23.89	0.0	25.5
	16QAM	1	24	23.92	24.26	23.80	0.0	25.5
		12	0	23.11	23.21	22.94	1.0	24.5
		12	7	23.08	23.24	22.95	1.0	24.5
		12	13	22.98	23.24	22.82	1.0	24.5
		25	0	23.02	23.25	22.92	1.0	24.5
		1	0	22.62	23.42	23.03	1.0	24.5
	64QAM	1	12	23.04	23.42	22.91	1.0	24.5
		1	24	23.14	23.39	22.95	1.0	24.5
		12	0	22.20	22.29	21.99	2.0	23.5
		12	7	22.07	22.36	22.00	2.0	23.5
		12	13	21.98	22.29	21.86	2.0	23.5
		25	0	21.97	22.25	21.91	2.0	23.5
	256QAM	1	0	21.12	22.33	22.12	2.0	23.5
		1	12	22.35	21.83	22.14	2.0	23.5
		1	24	22.14	22.32	21.89	2.0	23.5
		12	0	20.91	20.78	21.08	3.0	22.5
		12	7	21.04	20.63	21.06	3.0	22.5
		12	13	20.91	20.65	20.95	3.0	22.5
256QAM	25	0	20.97	20.77	20.92	3.0	22.5	
	1	0	18.83	19.01	18.97	5.0	20.5	
	1	12	18.81	19.11	18.94	5.0	20.5	
	1	24	18.68	18.92	18.79	5.0	20.5	
	12	0	19.08	19.26	18.88	5.0	20.5	
	12	7	19.06	19.30	18.92	5.0	20.5	
256QAM	12	13	18.97	19.26	18.73	5.0	20.5	
	25	0	19.14	19.30	18.89	5.0	20.5	

LTE Band 66

BW (MHz)	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)				
				Measured Pwr (dBm)			MPR	Tune-up Limit
				132072	132322	132572		
				1720 MHz	1745 MHz	1770 MHz		
20 MHz	QPSK	1	0	24.19	24.21	23.72	0.0	24.5
		1	49	24.08	23.93	23.61	0.0	24.5
		1	99	24.17	23.79	23.53	0.0	24.5
		50	0	23.30	22.96	22.71	1.0	23.5
		50	24	23.31	22.94	22.69	1.0	23.5
		50	50	23.29	22.87	22.64	1.0	23.5
		100	0	23.28	22.94	22.66	1.0	23.5
	16QAM	1	0	23.22	23.48	23.40	1.0	23.5
		1	49	23.27	23.42	23.20	1.0	23.5
		1	99	23.21	23.39	23.10	1.0	23.5
		50	0	22.30	22.00	21.73	2.0	22.5
		50	24	22.29	21.99	21.74	2.0	22.5
		50	50	22.27	21.94	21.66	2.0	22.5
		100	0	22.29	22.00	21.67	2.0	22.5
	64QAM	1	0	22.42	22.42	21.83	2.0	22.5
		1	49	22.45	22.42	21.77	2.0	22.5
		1	99	22.40	22.45	21.70	2.0	22.5
		50	0	21.28	20.98	20.74	3.0	21.5
		50	24	21.21	20.95	20.72	3.0	21.5
		50	50	21.33	20.91	20.69	3.0	21.5
		100	0	21.26	20.94	20.72	3.0	21.5
	256QAM	1	0	19.50	19.41	18.73	5.0	19.5
		1	49	19.46	19.10	18.60	5.0	19.5
		1	99	19.46	18.99	18.51	5.0	19.5
		50	0	19.37	18.95	18.74	5.0	19.5
		50	24	19.36	18.98	18.74	5.0	19.5
		50	50	19.34	18.93	18.69	5.0	19.5
		100	0	19.32	18.95	18.73	5.0	19.5
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				132047	132322	132597		
				1717.5 MHz	1745 MHz	1772.5 MHz		
				15 MHz	QPSK	1	0	24.23
1	37	24.02	23.79			23.59	0.0	24.5
1	74	24.17	23.72			23.58	0.0	24.5
36	0	23.26	22.89			22.64	1.0	23.5
36	20	23.22	22.92			22.63	1.0	23.5
36	39	23.20	22.85			22.59	1.0	23.5
75	0	23.25	22.90			22.62	1.0	23.5
16QAM	1	0	23.06		22.87	23.08	1.0	23.5
	1	37	23.43		22.91	23.03	1.0	23.5
	1	74	23.07		22.77	22.94	1.0	23.5
	36	0	22.30		21.90	21.70	2.0	22.5
	36	20	22.29		21.90	21.70	2.0	22.5
	36	39	22.25		21.92	21.68	2.0	22.5
	75	0	22.25		21.89	21.63	2.0	22.5
64QAM	1	0	22.28		22.13	21.88	2.0	22.5
	1	37	21.80		22.15	21.84	2.0	22.5
	1	74	21.95		22.12	21.84	2.0	22.5
	36	0	21.15		20.90	20.73	3.0	21.5
	36	20	20.99		20.89	20.76	3.0	21.5
	36	39	20.96		20.89	20.70	3.0	21.5
	75	0	20.99		20.89	20.71	3.0	21.5
256QAM	1	0	19.18		19.09	19.07	5.0	19.5
	1	37	19.16		19.13	19.02	5.0	19.5
	1	74	19.15		19.09	19.00	5.0	19.5
	36	0	19.34		18.88	18.71	5.0	19.5
	36	20	19.32		18.90	18.70	5.0	19.5
	36	39	19.32		18.89	18.66	5.0	19.5
	75	0	19.33		18.88	18.70	5.0	19.5

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	
				132022	132322	132622			
				1715 MHz	1745 MHz	1775 MHz			
10 MHz	QPSK	1	0	24.32	23.99	23.70	0.0	24.5	
		1	25	24.09	23.94	23.65	0.0	24.5	
		1	49	24.18	23.86	23.60	0.0	24.5	
		25	0	23.41	23.03	22.73	1.0	23.5	
		25	12	23.36	23.04	22.70	1.0	23.5	
		25	25	23.34	23.05	22.70	1.0	23.5	
	16QAM	50	0	23.41	23.06	22.70	1.0	23.5	
		1	0	23.30	22.94	22.64	1.0	23.5	
		1	25	23.17	23.00	22.61	1.0	23.5	
		1	49	23.07	22.98	22.61	1.0	23.5	
		25	0	22.45	22.18	21.70	2.0	22.5	
		25	12	22.47	22.17	21.78	2.0	22.5	
	64QAM	25	25	22.47	22.12	21.72	2.0	22.5	
		50	0	22.41	22.07	21.70	2.0	22.5	
		1	0	22.15	22.33	21.75	2.0	22.5	
		1	25	21.84	22.15	21.82	2.0	22.5	
		1	49	21.87	22.14	21.66	2.0	22.5	
		25	0	21.32	21.14	20.88	3.0	21.5	
	256QAM	25	12	21.19	21.13	20.86	3.0	21.5	
		25	25	21.15	21.12	20.80	3.0	21.5	
		50	0	21.17	21.10	20.77	3.0	21.5	
		1	0	19.45	19.37	18.69	5.0	19.5	
		1	25	19.35	19.29	18.57	5.0	19.5	
		1	49	19.37	19.49	18.47	5.0	19.5	
	5 MHz	QPSK	25	0	19.43	19.15	18.79	5.0	19.5
			25	12	19.39	19.12	18.77	5.0	19.5
			25	25	19.46	19.05	18.81	5.0	19.5
			50	0	19.46	19.11	18.73	5.0	19.5
1			0	24.39	24.10	23.77	0.0	24.5	
1			12	24.20	23.98	23.63	0.0	24.5	
16QAM		1	24	24.31	24.02	23.62	0.0	24.5	
		12	0	23.41	23.00	22.72	1.0	23.5	
		12	7	23.44	23.05	22.69	1.0	23.5	
		12	13	23.41	22.99	22.64	1.0	23.5	
		25	0	23.42	23.03	22.65	1.0	23.5	
		1	0	23.48	22.95	22.83	1.0	23.5	
64QAM		1	12	23.37	23.16	22.77	1.0	23.5	
		1	24	23.40	23.00	22.78	1.0	23.5	
		12	0	22.46	22.20	21.77	2.0	22.5	
		12	7	22.43	22.20	21.69	2.0	22.5	
		12	13	22.50	22.21	21.71	2.0	22.5	
		25	0	22.44	22.06	21.60	2.0	22.5	
256QAM		1	0	22.12	22.28	22.11	2.0	22.5	
		1	12	22.24	22.35	21.98	2.0	22.5	
		1	24	22.22	22.24	21.81	2.0	22.5	
		12	0	21.40	20.98	20.73	3.0	21.5	
		12	7	21.35	20.95	20.68	3.0	21.5	
		12	13	21.30	20.96	20.67	3.0	21.5	
QPSK		25	0	21.26	21.09	20.67	3.0	21.5	
		1	0	19.46	18.78	19.01	5.0	19.5	
		1	12	19.49	18.78	18.82	5.0	19.5	
		1	24	19.48	18.78	18.86	5.0	19.5	
	12	0	19.43	19.05	18.79	5.0	19.5		
	12	7	19.46	19.09	18.75	5.0	19.5		
16QAM	12	13	19.47	19.03	18.64	5.0	19.5		
	25	0	19.43	19.03	18.71	5.0	19.5		
	1	0	24.39	24.10	23.77	0.0	24.5		
	1	12	24.20	23.98	23.63	0.0	24.5		
	1	24	24.31	24.02	23.62	0.0	24.5		
	12	0	23.41	23.00	22.72	1.0	23.5		
64QAM	12	7	23.44	23.05	22.69	1.0	23.5		
	12	13	23.41	22.99	22.64	1.0	23.5		
	25	0	23.42	23.03	22.65	1.0	23.5		
	1	0	23.48	22.95	22.83	1.0	23.5		
	1	12	23.37	23.16	22.77	1.0	23.5		
	1	24	23.40	23.00	22.78	1.0	23.5		
256QAM	12	0	22.46	22.20	21.77	2.0	22.5		
	12	7	22.43	22.20	21.69	2.0	22.5		
	12	13	22.50	22.21	21.71	2.0	22.5		
	25	0	22.44	22.06	21.60	2.0	22.5		
	1	0	22.12	22.28	22.11	2.0	22.5		
	1	12	22.24	22.35	21.98	2.0	22.5		

BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				131987	132322	132657		
				1711.5 MHz	1745 MHz	1778.5 MHz		
3 MHz	QPSK	1	0	24.26	23.91	23.71	0.0	24.5
		1	8	24.28	23.68	23.58	0.0	24.5
		1	14	24.24	24.02	23.61	0.0	24.5
		8	0	23.40	22.98	22.71	1.0	23.5
		8	4	23.44	22.92	22.74	1.0	23.5
		8	7	23.42	23.03	22.64	1.0	23.5
	15	0	23.39	23.01	22.64	1.0	23.5	
	16QAM	1	0	23.36	23.07	23.16	1.0	23.5
		1	8	23.26	22.84	23.02	1.0	23.5
		1	14	23.30	22.84	23.00	1.0	23.5
		8	0	22.45	22.06	21.74	2.0	22.5
		8	4	22.45	22.13	21.78	2.0	22.5
		8	7	22.48	22.12	21.75	2.0	22.5
	15	0	22.39	22.02	21.67	2.0	22.5	
	64QAM	1	0	22.22	22.21	21.70	2.0	22.5
		1	8	22.21	22.28	21.74	2.0	22.5
		1	14	22.20	22.20	21.63	2.0	22.5
		8	0	21.50	21.22	20.75	3.0	21.5
		8	4	21.30	21.23	20.78	3.0	21.5
		8	7	21.50	21.21	20.76	3.0	21.5
	15	0	21.49	21.06	20.71	3.0	21.5	
	256QAM	1	0	19.42	19.49	18.58	5.0	19.5
		1	8	19.42	19.47	18.42	5.0	19.5
		1	14	19.38	19.19	18.38	5.0	19.5
8		0	19.24	19.10	18.61	5.0	19.5	
8		4	19.31	19.12	18.65	5.0	19.5	
8		7	19.23	19.12	18.65	5.0	19.5	
15	0	19.50	19.07	18.75	5.0	19.5		
BW (MHz)	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
				131979	132322	132665		
				1710.7 MHz	1745 MHz	1779.3 MHz		
1.4 MHz	QPSK	1	0	24.29	23.86	23.54	0.0	24.5
		1	3	24.24	23.93	23.50	0.0	24.5
		1	5	24.20	23.92	23.49	0.0	24.5
		3	0	24.19	23.86	23.53	0.0	24.5
		3	1	24.24	23.92	23.66	0.0	24.5
		3	3	24.19	23.91	23.67	0.0	24.5
	6	0	23.32	22.89	22.64	1.0	23.5	
	16QAM	1	0	23.19	23.03	23.10	1.0	23.5
		1	3	23.25	23.19	23.08	1.0	23.5
		1	5	23.22	23.01	23.04	1.0	23.5
		3	0	23.43	22.94	22.86	1.0	23.5
		3	1	23.46	22.97	22.82	1.0	23.5
		3	3	23.45	22.91	22.76	1.0	23.5
	6	0	22.49	22.07	21.51	2.0	22.5	
	64QAM	1	0	22.14	22.13	21.70	2.0	22.5
		1	3	22.13	22.08	21.65	2.0	22.5
		1	5	21.96	22.00	21.61	2.0	22.5
		3	0	21.94	22.01	21.88	2.0	22.5
		3	1	21.91	21.96	21.85	2.0	22.5
		3	3	21.87	21.99	21.84	2.0	22.5
	6	0	21.04	21.02	20.76	3.0	21.5	
	256QAM	1	0	19.42	19.07	18.50	5.0	19.5
		1	3	19.47	19.26	18.48	5.0	19.5
		1	5	19.38	19.15	18.46	5.0	19.5
3		0	19.41	18.84	18.51	5.0	19.5	
3		1	19.47	18.92	18.53	5.0	19.5	
3		3	19.44	18.83	18.42	5.0	19.5	
6	0	19.42	18.90	18.78	5.0	19.5		

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BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)				
					Measured Pwr (dBm)			MPR	Tune-up Limit
					388000	392000	396000		
					1860 MHz	1880 MHz	1900 MHz		
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.71	23.70	23.73	0.0	25.0
			1	53	23.67	23.74	23.73	0.0	25.0
			1	104	23.70	23.63	23.75	0.0	25.0
			50	0	22.82	22.89	22.93	0.5	24.5
			50	28	23.89	23.87	23.96	0.0	25.0
			50	56	22.83	22.85	22.98	0.5	24.5
			100	0	22.90	22.88	22.96	0.5	24.5
		QPSK	1	1	23.88	23.91	23.95	0.0	25.0
			1	53	23.87	23.88	23.93	0.0	25.0
			1	104	23.81	23.89	23.96	0.0	25.0
			50	0	22.90	22.91	22.96	1.0	24.0
			50	28	23.90	23.90	23.92	0.0	25.0
			50	56	22.81	22.84	22.93	1.0	24.0
		16QAM	1	1	22.80	22.78	22.87	1.0	24.0
			1	53	22.81	22.81	22.85	1.0	24.0
			1	104	22.79	22.75	22.83	1.0	24.0
	64QAM	1	1	21.68	21.62	21.62	2.5	22.5	
256QAM	1	1	18.75	18.93	18.98	4.5	20.5		
CP-OFDM	QPSK	1	1	22.46	22.40	22.54	1.5	23.5	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					387500.00	392000.00	396500.00		
					1857.5 MHz	1880 MHz	1902.5 MHz		
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.74	23.62	23.65	0.0	25.0
			1	40	23.63	23.72	23.67	0.0	25.0
			1	77	23.66	23.59	23.71	0.0	25.0
			36	0	22.85	22.79	22.88	0.5	24.5
			36	22	23.83	23.81	23.87	0.0	25.0
			36	43	22.78	22.79	22.85	0.5	24.5
			75	0	22.80	22.84	22.87	0.5	24.5
		QPSK	1	1	23.91	23.85	23.83	0.0	25.0
			1	40	23.83	23.76	23.86	0.0	25.0
			1	77	23.84	23.78	23.87	0.0	25.0
			36	0	22.74	22.86	22.90	1.0	24.0
			36	22	23.85	23.76	23.87	0.0	25.0
			36	43	22.81	22.77	22.87	1.0	24.0
			75	0	22.87	22.85	22.90	1.0	24.0
		16QAM	1	1	22.82	22.68	22.77	1.0	24.0
		64QAM	1	1	21.65	21.54	21.57	2.5	22.5
	256QAM	1	1	18.75	18.92	18.96	4.5	20.5	
CP-OFDM	QPSK	1	1	22.41	22.42	22.41	1.5	23.5	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					387000.00	392000.00	397000.00		
					1855 MHz	1880 MHz	1905 MHz		
10 MHz	DFT-s-OFDM	QPSK	1	1	23.70	23.67	23.87	0.0	25.0
			1	26	23.68	23.64	23.80	0.0	25.0
			1	50	23.60	23.57	23.83	0.0	25.0
			25	0	22.80	22.78	22.94	0.5	24.5
			25	14	23.75	23.74	24.00	0.0	25.0
			25	27	22.80	22.72	22.99	0.5	24.5
		16QAM	1	1	23.86	23.79	24.04	0.0	25.0
			1	26	23.81	23.77	23.98	0.0	25.0
			1	50	23.72	23.74	24.00	0.0	25.0
			25	0	22.88	22.81	23.07	1.0	24.0
			25	14	23.82	23.73	24.04	0.0	25.0
			25	27	22.77	22.75	23.02	1.0	24.0
	64QAM	50	0	22.81	22.82	23.02	1.0	24.0	
		1	1	22.80	22.75	22.97	1.0	24.0	
		1	1	21.58	21.55	21.75	2.5	22.5	
		1	1	18.88	18.88	19.09	4.5	20.5	
CP-OFDM			1	1	22.30	22.32	22.50	1.5	23.5
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					386500.00	392000.00	397500.00		
					1852.5 MHz	1880 MHz	1907.5 MHz		
5 MHz	DFT-s-OFDM	QPSK	1	1	23.66	23.66	23.83	0.0	25.0
			1	13	23.63	23.59	23.83	0.0	25.0
			1	23	23.57	23.54	23.77	0.0	25.0
			12	0	22.81	22.79	22.95	0.5	24.5
			12	7	23.76	23.74	23.89	0.0	25.0
			12	13	22.65	22.69	22.87	0.5	24.5
		16QAM	25	0	22.80	22.80	22.99	0.5	24.5
			1	1	23.81	23.80	23.92	0.0	25.0
			1	13	23.75	23.79	23.99	0.0	25.0
			1	23	23.68	23.68	23.87	0.0	25.0
			12	0	22.81	22.83	23.00	1.0	24.0
			12	7	23.69	23.71	23.95	0.0	25.0
	64QAM	12	13	22.69	22.69	22.90	1.0	24.0	
		25	0	22.71	22.80	23.02	1.0	24.0	
		1	1	22.72	22.75	22.93	1.0	24.0	
		1	1	21.50	21.54	21.69	2.5	22.5	
CP-OFDM			1	1	18.87	18.84	19.06	4.5	20.5
			1	1	22.31	22.27	22.56	1.5	23.5

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BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)				
					Measured Pwr (dBm)			MPR	Tune-up Limit
					166800	167300	167800		
					834 MHz	836.5 MHz	839 MHz		
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.04	24.17	24.08	0.0	25.5
			1	53	24.24	24.29	24.21	0.0	25.5
			1	104	24.37	24.31	24.26	0.0	25.5
			50	0	23.21	23.25	23.30	0.5	25.0
			50	28	24.38	24.29	24.25	0.0	25.5
			50	56	23.32	23.30	23.41	0.5	25.0
		100	0	23.43	23.37	23.31	0.5	25.0	
		QPSK	1	1	24.28	24.20	24.27	0.0	25.5
			1	53	24.37	24.32	24.29	0.0	25.5
			1	104	24.47	24.43	24.37	0.0	25.5
			50	0	23.24	23.31	23.32	1.0	24.5
			50	28	24.36	24.25	24.30	0.0	25.5
			50	56	23.26	23.33	23.36	1.0	24.5
		16QAM	100	0	23.36	23.35	23.29	1.0	24.5
	1		1	23.24	23.24	23.09	1.0	24.5	
1	53		23.35	23.28	23.23	1.0	24.5		
1	104	23.36	23.35	23.23	1.0	24.5			
64QAM	1	1	21.92	21.92	21.84	2.5	23.0		
256QAM	1	1	19.28	19.24	19.25	4.5	21.0		
CP-OFDM	QPSK	1	1	22.74	22.71	22.77	1.5	24.0	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					166300	167300	168300		
					831.5 MHz	836.5 MHz	841.5 MHz		
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.25	24.20	24.30	0.0	25.5
			1	40	24.23	24.26	24.28	0.0	25.5
			1	77	24.28	24.44	24.28	0.0	25.5
			36	0	23.26	23.29	23.30	0.5	25.0
			36	22	24.27	24.36	24.38	0.0	25.5
			36	43	23.37	23.35	23.43	0.5	25.0
		75	0	23.27	23.37	23.40	0.5	25.0	
		QPSK	1	1	24.35	24.34	24.43	0.0	25.5
			1	40	24.34	24.36	24.43	0.0	25.5
			1	77	24.32	24.48	24.45	0.0	25.5
			36	0	23.22	23.32	23.30	1.0	24.5
			36	22	24.31	24.36	24.33	0.0	25.5
			36	43	23.34	23.41	23.39	1.0	24.5
		75	0	23.32	23.34	23.46	1.0	24.5	
	16QAM	1	1	23.30	23.26	23.32	1.0	24.5	
64QAM	1	1	21.96	21.95	22.05	2.5	23.0		
256QAM	1	1	19.30	19.31	19.39	4.5	21.0		
CP-OFDM	QPSK	1	1	22.83	22.80	22.89	1.5	24.0	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	
					165800	167300	168800			
					829 MHz	836.5 MHz	844 MHz			
10 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	24.11	24.16	24.31	0.0	25.5	
			1	26	24.13	24.32	24.39	0.0	25.5	
			1	50	24.27	24.35	24.31	0.0	25.5	
			25	0	23.25	23.34	23.41	0.5	25.0	
			25	14	24.23	24.44	24.50	0.0	25.5	
			25	27	23.31	23.37	23.44	0.5	25.0	
			50	0	23.17	23.44	23.49	0.5	25.0	
		QPSK	1	1	24.27	24.27	24.46	0.0	25.5	
			1	26	24.20	24.47	24.49	0.0	25.5	
			1	50	24.32	24.48	24.40	0.0	25.5	
			25	0	23.30	23.40	23.46	1.0	24.5	
			25	14	24.24	24.48	24.56	0.0	25.5	
			25	27	23.28	23.42	23.49	1.0	24.5	
			50	0	23.23	23.41	23.53	1.0	24.5	
16QAM	1	1	23.19	23.17	23.38	1.0	24.5			
64QAM	1	1	21.85	21.88	22.10	2.5	23.0			
256QAM	1	1	19.25	19.24	19.43	4.5	21.0			
CP-OFDM	QPSK	1	1	22.77	22.74	22.93	1.5	24.0		
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit	
					165300	167300	169300			
					826.5 MHz	836.5 MHz	846.5 MHz			
5 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	24.2	24.3	24.5	0.0	25.5	
			1	13	24.2	24.3	24.4	0.0	25.5	
			1	23	24.2	24.3	24.4	0.0	25.5	
			12	0	23.3	23.3	23.5	0.5	25.0	
			12	7	24.2	24.4	24.4	0.0	25.5	
			12	13	23.3	23.4	23.5	0.5	25.0	
			25	0	23.3	23.4	23.5	0.5	25.0	
		QPSK	1	1	24.4	24.4	24.6	0.0	25.5	
			1	13	24.3	24.4	24.5	0.0	25.5	
			1	23	24.3	24.4	24.6	0.0	25.5	
			12	0	23.3	23.3	23.5	1.0	24.5	
			12	7	24.2	24.3	24.5	0.0	25.5	
			12	13	23.2	23.4	23.5	1.0	24.5	
			25	0	23.3	23.4	23.5	1.0	24.5	
		16QAM	1	1	23.3	23.4	23.5	1.0	24.5	
		64QAM	1	1	22.0	22.0	22.2	2.5	23.0	
		256QAM	1	1	19.3	19.4	19.6	4.5	21.0	
		CP-OFDM	QPSK	1	1	22.8	22.9	23.1	1.5	24.0

NR Band n66

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)				
					Measured Pwr (dBm)			MPR	Tune-up Limit
					346000	349000	352000		
					1730 MHz	1745 MHz	1760 MHz		
40 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.75	23.78	23.74	0.0	25.0
			1	108	23.78	23.77	23.77	0.0	25.0
			1	214	23.47	23.74	23.77	0.0	25.0
			108	0	22.92	23.10	22.93	0.5	24.5
			108	54	23.93	24.07	23.97	0.0	25.0
			108	108	22.78	23.08	22.94	0.5	24.5
			216	0	22.81	23.11	23.03	0.5	24.5
		QPSK	1	1	23.92	24.22	23.97	0.0	25.0
			1	108	23.94	23.87	23.99	0.0	25.0
			1	214	23.59	23.91	23.91	0.0	25.0
			108	0	22.98	23.22	22.87	1.0	24.0
			108	54	24.00	24.14	24.03	0.0	25.0
			108	108	22.82	23.09	23.05	1.0	24.0
		16QAM	216	0	22.89	23.15	23.02	1.0	24.0
			1	1	22.78	23.17	22.90	1.0	24.0
1	108		22.82	22.95	23.03	1.0	24.0		
64QAM	1	214	22.48	22.91	22.84	1.0	24.0		
	1	1	21.66	21.96	21.71	2.5	22.5		
256QAM	1	1	19.00	19.36	19.09	4.5	20.5		
CP-OFDM	QPSK	1	1	22.51	22.92	22.60	1.5	23.5	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					345000	349000	353000		
					1725 MHz	1745 MHz	1765 MHz		
					30 MHz	DFT-s-OFDM	π/2 BPSK	1	1
1	80	23.84	23.91	24.01				0.0	25.0
1	158	23.50	23.90	23.95				0.0	25.0
80	0	23.00	23.32	23.18				0.5	24.5
80	40	24.00	24.04	24.21				0.0	25.0
80	80	23.09	23.15	23.24				0.5	24.5
160	0	23.03	23.25	23.25				0.5	24.5
QPSK	1	1	23.97	24.37			24.20	0.0	25.0
	1	80	23.98	24.07			24.16	0.0	25.0
	1	158	23.72	24.03			24.20	0.0	25.0
	80	0	23.04	23.15			23.19	1.0	24.0
	80	40	24.02	24.06			24.19	0.0	25.0
	80	80	23.05	23.11			23.29	1.0	24.0
16QAM	160	0	23.03	23.21			23.31	1.0	24.0
	1	1	22.90	23.33			23.09	1.0	24.0
	1	1	21.74	22.02	21.92	2.5	22.5		
256QAM	1	1	19.10	19.51	19.33	4.5	20.5		
CP-OFDM	QPSK	1	1	22.59	22.90	22.84	1.5	23.5	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)				
					Measured Pwr (dBm)			MPR	Tune-up Limit
					344000	349000	354000		
					1720 MHz	1745 MHz	1770 MHz		
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.75	24.12	23.99	0.0	25.0
			1	53	24.23	23.94	23.95	0.0	25.0
			1	104	23.75	23.91	24.00	0.0	25.0
			50	0	23.33	23.26	23.07	0.5	24.5
			50	28	24.35	24.15	24.18	0.0	25.0
			50	56	23.30	23.18	23.19	0.5	24.5
		100	0	23.21	23.13	23.17	0.5	24.5	
		QPSK	1	1	23.87	24.40	24.17	0.0	25.0
			1	53	24.33	24.06	24.11	0.0	25.0
			1	104	23.92	24.08	24.23	0.0	25.0
			50	0	23.34	23.14	23.19	1.0	24.0
			50	28	24.35	24.21	24.21	0.0	25.0
			50	56	23.32	23.16	23.22	1.0	24.0
		100	0	23.23	23.20	23.19	1.0	24.0	
	16QAM	1	1	22.80	23.18	23.03	1.0	24.0	
1		53	23.37	23.16	23.19	1.0	24.0		
64QAM	1	104	22.99	23.13	23.24	1.0	24.0		
	1	1	21.63	22.04	21.89	2.5	22.5		
256QAM	1	1	18.77	19.25	19.11	4.5	20.5		
CP-OFDM	QPSK	1	1	22.46	22.88	22.78	1.5	23.5	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					343500	349000	354500		
					1717.5 MHz	1745 MHz	1772.5 MHz		
15 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.70	23.71	23.73	0.0	25.0
			1	40	23.91	23.68	23.75	0.0	25.0
			1	77	23.79	23.82	23.78	0.0	25.0
			36	0	23.10	22.94	22.89	0.5	24.5
			36	22	24.11	23.92	23.93	0.0	25.0
			36	43	22.99	22.86	22.97	0.5	24.5
		75	0	23.09	22.93	22.91	0.5	24.5	
		QPSK	1	1	23.87	23.94	23.90	0.0	25.0
			1	40	24.20	23.89	23.88	0.0	25.0
			1	77	23.95	24.00	23.96	0.0	25.0
			36	0	23.02	22.95	23.02	1.0	24.0
			36	22	24.15	23.91	23.96	0.0	25.0
			36	43	23.01	22.95	22.92	1.0	24.0
		75	0	23.11	22.95	22.95	1.0	24.0	
	16QAM	1	1	22.79	22.95	22.85	1.0	24.0	
64QAM	1	1	21.36	21.63	21.63	2.5	22.5		
256QAM	1	1	18.82	18.89	18.91	4.5	20.5		
CP-OFDM	QPSK	1	1	22.40	22.47	22.44	1.5	23.5	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					343000.0	349000.0	355000.0		
					1715 MHz	1745 MHz	1775 MHz		
10 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	23.71	23.82	23.81	0.0	25.0
			1	26	23.75	23.90	23.88	0.0	25.0
			1	50	23.75	23.81	23.86	0.0	25.0
			25	0	22.87	22.97	22.77	0.5	24.5
			25	14	23.86	24.03	24.01	0.0	25.0
			25	27	22.86	22.72	22.99	0.5	24.5
			50	0	22.89	23.01	23.03	0.5	24.5
		QPSK	1	1	23.88	23.99	23.97	0.0	25.0
			1	26	23.89	24.02	24.04	0.0	25.0
			1	50	23.83	23.90	23.98	0.0	25.0
			25	0	22.86	22.99	22.99	1.0	24.0
			25	14	23.81	24.00	24.01	0.0	25.0
			25	27	22.87	22.94	23.02	1.0	24.0
50	0	22.86	23.02	22.99	1.0	24.0			
16QAM	1	1	22.78	22.96	23.00	1.0	24.0		
64QAM	1	1	21.73	21.69	21.86	2.5	22.5		
256QAM	1	1	18.93	19.01	18.99	4.5	20.5		
CP-OFDM	QPSK	1	1	22.36	22.44	22.56	1.5	23.5	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)			MPR	Tune-up Limit
					342500.0	349000.0	355500.0		
					1712.5 MHz	1745 MHz	1777.5 MHz		
5 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	1	23.7	23.8	23.8	0.0	25.0
			1	13	23.7	23.9	23.8	0.0	25.0
			1	23	23.6	23.8	23.8	0.0	25.0
			12	0	22.7	23.0	22.9	0.5	24.5
			12	7	23.8	24.0	23.9	0.0	25.0
			12	13	22.8	23.0	23.0	0.5	24.5
			25	0	22.8	23.0	22.9	0.5	24.5
		QPSK	1	1	23.8	24.0	23.9	0.0	25.0
			1	13	23.9	24.0	24.0	0.0	25.0
			1	23	23.8	23.9	23.9	0.0	25.0
			12	0	22.8	23.0	22.9	1.0	24.0
			12	7	23.8	24.0	24.0	0.0	25.0
			12	13	22.8	22.9	23.0	1.0	24.0
			25	0	22.8	23.0	23.0	1.0	24.0
		16QAM	1	1	22.7	23.0	22.9	1.0	24.0
		64QAM	1	1	21.5	21.7	21.6	2.5	22.5
		256QAM	1	1	18.8	19.0	19.0	4.5	20.5
		CP-OFDM	QPSK	1	1	22.3	22.5	22.6	1.5

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BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)						MPR	Tune-up Limit
					Measured Pwr (dBm)							
					633332	650000	656000	662000				
100 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.69	23.47	23.42	23.26	0.0	25.0		
			1	137	23.94	24.19	23.06	23.45	0.0	25.0		
			1	271	23.66	24.09	23.26	23.71	0.0	25.0		
			135	0	23.50	23.43	22.95	22.83	0.5	24.5		
			135	69	23.98	24.14	23.19	23.37	0.0	25.0		
			135	138	23.30	23.69	22.78	23.02	0.5	24.5		
		270	0	23.43	23.51	22.79	22.96	0.5	24.5			
		QPSK	1	1	23.82	23.40	23.71	23.37	0.0	25.0		
			1	137	23.94	24.18	23.28	23.44	0.0	25.0		
			1	271	23.74	24.05	23.29	23.77	0.0	25.0		
			135	0	23.08	22.96	22.47	22.47	1.0	24.0		
			135	69	23.97	24.13	23.18	23.42	0.0	25.0		
			135	138	22.84	23.12	22.28	22.63	1.0	24.0		
		16QAM	270	0	22.91	23.14	22.38	22.49	1.0	24.0		
			1	1	22.88	22.41	22.63	22.18	1.0	24.0		
		64QAM	1	137	22.96	23.16	22.21	22.48	1.0	24.0		
1	271		22.75	23.13	22.45	22.72	1.0	24.0				
256QAM	1	1	21.53	21.31	21.05	20.88	2.5	22.5				
	1	1	19.23	19.00	19.07	18.76	4.5	20.5				
CP-OFDM	QPSK	1	1	22.37	22.06	22.24	21.77	1.5	23.5			
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)						MPR	Tune-up Limit
					633000	633332	633666	649666	656000	662332		
					3495MHz	3499.98MHz	3504.99MHz	3744.99MHz	3840 MHz	3934.98MHz		
90 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.83	23.95	23.93	23.61	23.71	23.44	0.0	25.0
			123	1	23.97	23.95	23.94	24.37	23.30	23.47	0.0	25.0
			243	1	23.93	23.84	23.75	24.26	23.53	23.82	0.0	25.0
			0	120	23.59	23.49	23.49	23.61	22.97	22.94	0.5	24.5
			63	120	24.09	24.05	24.08	24.17	23.39	23.56	0.0	25.0
			125	120	23.43	23.41	23.44	23.71	22.69	23.11	0.5	24.5
		QPSK	0	243	23.54	23.57	23.52	23.66	22.68	23.08	0.5	24.5
			1	1	23.91	23.94	24.00	23.73	23.73	23.56	0.0	25.0
			123	1	24.04	24.08	24.07	24.37	23.42	23.50	0.0	25.0
			243	1	23.97	23.81	23.78	24.28	23.58	23.86	0.0	25.0
			0	120	23.12	23.00	23.03	23.05	22.56	22.58	1.0	24.0
			63	120	24.03	24.03	24.08	24.23	23.38	23.53	0.0	25.0
		16QAM	125	120	23.03	22.93	22.92	23.23	22.32	22.70	1.0	24.0
			0	243	23.01	23.05	23.06	23.19	22.51	22.59	1.0	24.0
		64QAM	1	1	22.87	22.94	22.93	22.58	22.69	22.58	1.0	24.0
			1	1	21.59	21.64	21.73	21.40	21.38	21.16	2.5	22.5
256QAM	1	1	19.34	19.40	19.47	19.04	18.95	19.01	4.5	20.5		
	1	1	22.51	22.49	22.51	22.28	22.22	21.95	1.5	23.5		
CP-OFDM	QPSK	1	1	22.51	22.49	22.51	22.28	22.22	21.95	1.5	23.5	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)						MPR	Tune-up Limit
					632668	633332	634000	649334	656000	662666		
					3490.02 MHz	3499.98MHz	3510 MHz	3740.01 MHz	3840 MHz	3939.99 MHz		
80 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.79	23.89	23.95	23.49	23.54	23.49	0.0	25.0
			1	109	23.93	23.95	23.83	24.23	23.24	23.60	0.0	25.0
			1	215	23.78	23.81	23.66	24.18	23.28	23.68	0.0	25.0
			108	0	23.50	23.45	23.50	23.42	23.10	23.06	0.5	24.5
			108	55	24.00	24.04	24.03	24.27	23.31	23.52	0.0	25.0
			108	109	23.56	23.39	23.33	23.76	22.72	23.02	0.5	24.5
		QPSK	216	0	23.44	23.52	23.48	23.52	22.85	23.11	0.5	24.5
			1	1	23.87	23.96	23.97	23.67	23.68	23.64	0.0	25.0
			1	109	23.95	24.02	23.84	24.14	23.19	23.55	0.0	25.0
			1	215	23.86	23.85	23.65	24.17	23.27	23.72	0.0	25.0
			108	0	22.99	23.02	23.06	22.97	22.57	22.55	1.0	24.0
			108	55	24.04	24.11	24.05	24.24	23.45	23.57	0.0	25.0
		16QAM	108	109	23.05	22.93	22.89	23.23	22.27	22.58	1.0	24.0
			216	0	22.97	23.02	23.00	23.06	22.32	22.49	1.0	24.0
		64QAM	1	1	22.81	22.87	23.09	22.53	22.55	22.61	1.0	24.0
			1	1	21.52	21.63	21.68	21.32	21.21	21.08	2.5	22.5
256QAM	1	1	19.24	19.41	19.41	19.14	19.13	18.64	4.5	20.5		
	1	1	22.42	22.54	22.57	22.10	22.15	21.92	1.5	23.5		
CP-OFDM	QPSK	1	1	22.42	22.54	22.57	22.10	22.15	21.92	1.5	23.5	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)						MPR	Tune-up Limit
					632334	633332	634332	649000	656000	663000		
					3485.01 MHz	3499.98MHz	3514.98 MHz	3735MHz	3840 MHz	3945MHz		
70 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.72	23.92	23.95	23.56	23.50	23.50	0.0	25.0
			1	95	23.92	23.96	23.84	24.11	23.26	23.73	0.0	25.0
			1	188	23.85	23.83	23.53	24.09	23.21	23.61	0.0	25.0
			90	0	23.48	23.50	23.60	23.34	23.02	23.12	0.5	24.5
			90	50	23.50	23.48	23.42	23.58	22.93	23.11	0.0	25.0
			90	99	23.53	23.38	23.42	23.73	22.75	23.36	0.5	24.5
		180	0	23.46	23.51	23.38	23.56	22.95	23.15	0.5	24.5	
		QPSK	1	1	23.88	23.95	23.99	23.74	23.66	23.49	0.0	25.0
			1	95	24.00	24.04	23.89	24.18	23.34	23.77	0.0	25.0
			1	188	23.88	23.78	23.65	24.13	23.31	23.67	0.0	25.0
			90	0	22.94	23.07	23.04	22.86	22.46	22.55	1.0	24.0
			90	50	22.99	23.05	22.96	23.11	22.43	22.64	0.0	25.0
			90	99	23.05	22.91	22.91	23.27	22.24	22.81	1.0	24.0
		180	0	23.00	23.03	22.95	23.12	22.33	22.60	1.0	24.0	
		16QAM	1	1	22.92	22.89	23.04	22.57	22.62	22.43	1.0	24.0
64QAM	1	1	21.53	21.67	21.71	21.26	21.24	21.18	2.5	22.5		
256QAM	1	1	19.26	19.42	19.55	19.05	19.01	18.80	4.5	20.5		
CP-OFDM	QPSK	1	1	22.41	22.55	22.53	22.19	22.05	21.86	1.5	23.5	
60 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.85	24.05	24.13	23.63	23.04	22.85	0.0	25.0
			1	81	24.01	24.14	24.03	24.11	23.24	23.58	0.0	25.0
			1	160	23.95	23.90	23.65	24.28	22.76	23.31	0.0	25.0
			81	0	23.56	23.67	23.70	23.53	22.66	22.85	0.5	24.5
			81	41	24.07	24.19	24.02	24.17	23.26	23.46	0.0	25.0
			81	81	23.62	23.54	23.43	23.71	22.56	23.00	0.5	24.5
		162	0	23.56	23.61	23.55	23.65	22.56	22.91	0.5	24.5	
		QPSK	1	1	23.93	24.10	24.20	23.73	23.11	23.02	0.0	25.0
			1	81	24.18	24.18	24.06	24.20	23.13	23.79	0.0	25.0
			1	160	23.97	23.94	23.69	24.30	22.95	23.28	0.0	25.0
			81	0	23.10	23.17	23.19	23.01	22.21	22.41	1.0	24.0
			81	41	24.07	24.15	24.00	24.18	23.17	23.63	0.0	25.0
			81	81	23.12	23.06	22.93	23.24	22.15	22.61	1.0	24.0
		162	0	23.06	23.17	23.07	23.07	22.24	22.48	1.0	24.0	
		16QAM	1	1	22.90	23.07	23.22	22.65	22.19	22.33	1.0	24.0
64QAM	1	1	21.58	21.84	21.82	21.34	20.83	20.52	2.5	22.5		
256QAM	1	1	19.29	19.59	19.63	19.03	18.30	18.21	4.5	20.5		
CP-OFDM	QPSK	1	1	22.51	22.63	22.74	22.23	21.66	21.23	1.5	23.5	
50 MHz	DFT-s-OFDM	π/2 BPSK	1	1	22.96	24.06	24.17	23.74	23.48	23.88	0.0	25.0
			67	1	23.91	24.04	23.90	24.01	23.43	23.83	0.0	25.0
			131	1	24.08	23.95	23.64	24.32	23.27	23.86	0.0	25.0
			0	64	23.54	23.63	23.49	23.39	22.99	23.42	0.5	24.5
			35	64	24.02	24.12	23.98	24.08	23.35	23.75	0.0	25.0
			69	64	23.59	23.52	23.37	23.71	22.75	23.37	0.5	24.5
		0	128	23.52	23.63	23.49	23.60	22.80	23.43	0.5	24.5	
		QPSK	1	1	24.03	24.10	24.23	23.82	23.59	24.02	0.0	25.0
			67	1	24.00	24.04	23.93	24.07	23.40	23.90	0.0	25.0
			131	1	24.13	23.91	23.72	24.34	23.41	23.83	0.0	25.0
			0	64	23.05	23.11	23.00	22.93	22.42	22.98	1.0	24.0
			35	64	24.03	24.12	23.95	24.09	23.36	23.92	0.0	25.0
			69	64	23.07	22.93	22.92	23.30	22.35	22.97	1.0	24.0
		0	128	23.00	23.12	22.97	23.00	22.41	22.86	1.0	24.0	
		16QAM	1	1	23.03	23.07	23.12	22.68	22.50	22.89	1.0	24.0
64QAM	1	1	21.69	21.86	21.88	21.34	21.14	21.46	2.5	22.5		
256QAM	1	1	19.35	19.62	19.63	19.17	18.99	19.29	4.5	20.5		
CP-OFDM	QPSK	1	1	22.51	22.63	22.79	22.25	22.03	22.48	1.5	23.5	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)						MPR	Tune-up Limit
					631334	633332	635332	648000	656000	664000		
					3470.01 MHz	3499.98MHz	3529.98 MHz	3720.02 MHz	3840 MHz	3960 MHz		
40 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.09	24.26	23.53	24.00	23.74	24.14	0.0	25.0
			1	53	23.96	24.04	23.66	24.05	23.40	23.94	0.0	25.0
			1	104	24.27	24.15	23.20	24.39	23.39	24.15	0.0	25.0
			50	0	23.66	23.74	23.17	23.53	23.11	23.61	0.5	24.5
			50	28	24.09	24.06	23.75	24.10	23.47	24.07	0.0	25.0
			50	56	23.68	23.63	23.07	23.76	22.87	23.61	0.5	24.5
		100	0	23.61	23.66	23.18	23.60	23.02	23.67	0.5	24.5	
		QPSK	1	1	24.17	24.28	23.59	23.95	23.78	24.19	0.0	25.0
			1	53	24.01	24.08	23.72	24.05	23.45	24.02	0.0	25.0
			1	104	24.32	24.20	23.21	24.41	23.49	24.18	0.0	25.0
			50	0	23.15	23.30	22.71	23.03	22.58	23.13	1.0	24.0
			50	28	24.08	24.12	23.78	24.13	23.48	24.04	0.0	25.0
			50	56	23.23	23.17	22.62	23.27	22.38	22.99	1.0	24.0
		100	0	23.15	23.15	22.71	23.17	22.43	23.09	1.0	24.0	
16QAM	1	1	23.09	23.22	22.53	22.91	22.83	23.16	1.0	24.0		
64QAM	1	1	21.81	21.99	21.36	21.67	21.39	21.43	2.5	22.5		
256QAM	1	1	19.54	19.73	19.14	19.40	19.17	19.45	4.5	20.5		
CP-OFDM	QPSK	1	1	22.71	22.82	22.15	22.60	22.21	22.68	1.5	23.5	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)						MPR	Tune-up Limit
					631000	633332	635668	647668	656000	664332		
					3465 MHz	3499.98MHz	3535.02 MHz	3715.02 MHz	3840 MHz	3964.98 MHz		
30 MHz	DFT-s-OFDM	π/2 BPSK	1	1	24.07	24.23	24.03	23.80	23.63	23.92	0.0	25.0
			1	39	23.93	24.03	23.79	23.88	23.35	23.96	0.0	25.0
			1	76	24.13	24.04	23.76	24.24	23.36	24.01	0.0	25.0
			36	0	23.61	23.72	23.53	23.37	23.01	23.43	0.5	24.5
			36	21	23.98	24.11	23.87	24.01	23.48	23.96	0.0	25.0
			36	42	23.62	23.60	23.36	23.66	22.89	23.53	0.5	24.5
		75	0	23.55	23.63	23.36	23.52	22.96	23.45	0.5	24.5	
		QPSK	1	1	24.09	24.20	24.06	23.87	23.61	24.09	0.0	25.0
			1	39	23.96	24.03	23.82	24.02	23.48	23.99	0.0	25.0
			1	76	24.18	24.11	23.80	24.30	23.39	24.08	0.0	25.0
			36	0	23.11	23.25	23.08	22.89	22.55	22.97	1.0	24.0
			36	21	24.00	24.07	23.84	23.95	23.43	23.94	0.0	25.0
			36	42	23.08	23.10	22.87	23.10	22.43	23.05	1.0	24.0
		75	0	23.05	23.15	22.91	23.05	22.50	22.98	1.0	24.0	
16QAM	1	1	23.00	23.21	23.12	22.78	22.52	23.06	1.0	24.0		
64QAM	1	1	21.73	21.94	21.56	21.55	21.18	21.48	2.5	22.5		
256QAM	1	1	19.50	19.68	19.40	19.36	18.82	19.28	4.5	20.5		
CP-OFDM	QPSK	1	1	22.67	22.79	22.64	22.40	22.11	22.62	1.5	23.5	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)						MPR	Tune-up Limit
					630668	633332	636000	647334	656000	664666		
					3460.02 MHz	3499.98MHz	3540 MHz	3710.01 MHz	3840 MHz	3969.99 MHz		
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1	23.99	24.16	23.88	23.67	23.33	23.94	0.0	25.0
			1	26	23.96	24.01	23.72	23.75	23.18	24.01	0.0	25.0
			1	49	23.95	24.03	23.71	23.89	23.13	23.91	0.0	25.0
			25	0	23.48	23.64	23.31	23.15	22.84	23.53	0.5	24.5
			25	13	24.03	23.98	23.77	23.82	23.29	23.91	0.0	25.0
			25	26	23.48	23.57	23.26	23.36	22.77	23.51	0.5	24.5
		50	0	23.52	23.55	23.32	23.29	22.73	23.46	0.5	24.5	
		QPSK	1	1	24.06	24.27	23.92	23.79	23.40	23.93	0.0	25.0
			1	26	24.03	24.05	23.81	23.79	23.22	23.97	0.0	25.0
			1	49	23.99	24.06	23.75	23.98	23.27	24.10	0.0	25.0
			25	0	22.99	23.17	22.83	22.72	22.40	22.92	1.0	24.0
			25	13	24.00	24.02	23.78	23.86	23.29	23.99	0.0	25.0
			25	26	23.01	23.05	22.76	22.84	22.31	22.95	1.0	24.0
		50	0	23.04	23.07	22.75	22.87	22.18	22.92	1.0	24.0	
16QAM	1	1	22.98	23.16	22.83	22.70	22.30	22.91	1.0	24.0		
64QAM	1	1	21.70	21.98	21.64	21.44	20.71	21.40	2.5	22.5		
256QAM	1	1	19.41	19.55	19.36	19.08	18.64	19.39	4.5	20.5		
CP-OFDM	QPSK	1	1	22.59	22.72	22.49	22.25	21.80	22.43	1.5	23.5	

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BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Maximum Average Power (dBm)						MPR	Tune-up Limit	
					Measured Pwr (dBm)								
					633332	650000	656000	662000					
100 MHz	DFT-s-OFDM	π/2 BPSK	1	1	25.40	25.70	25.95	25.60	0.0	27.0			
			1	137	25.62	26.42	25.42	25.70	0.0	27.0			
			1	271	25.37	26.34	25.54	25.95	0.0	27.0			
			135	0	25.13	25.64	25.17	25.16	0.5	26.5			
			135	69	25.58	26.37	25.56	25.69	0.0	27.0			
			135	138	25.01	25.91	24.96	25.31	0.5	26.5			
		QPSK	270	0	25.13	25.84	25.10	25.22	0.5	26.5			
			1	1	25.47	25.72	26.03	25.63	0.0	27.0			
			1	137	25.60	26.43	25.43	25.69	0.0	27.0			
			1	271	25.37	26.35	25.54	26.04	0.0	27.0			
			135	0	24.65	25.16	24.66	24.75	1.0	26.0			
			135	69	25.67	26.36	25.52	25.69	0.0	27.0			
			135	138	24.57	25.43	24.46	24.83	1.0	26.0			
			270	0	24.64	25.32	24.66	24.69	1.0	26.0			
			16QAM	1	1	24.57	24.75	25.21	24.60	1.0	26.0		
				1	137	24.54	25.37	25.13	24.46	1.0	26.0		
1	271	24.33		25.48	25.23	24.35	1.0	26.0					
64QAM	1	1		23.09	23.41	23.70	23.28	2.5	24.5				
256QAM	1	1	20.75	21.11	21.26	20.90	4.5	22.5					
CP-OFDM	QPSK	1	1	23.98	24.37	24.48	24.25	1.5	25.5				
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)						MPR	Tune-up Limit	
					633000	633332	633666	649666	656000	662332			
					3495MHz	3499.98MHz	3504.99MHz	3744.99MHz	3840 MHz	3934.98MHz			
90 MHz	DFT-s-OFDM	π/2 BPSK	1	1	25.48	25.47	25.49	25.73	25.87	25.63	0.0	27.0	
			123	1	25.59	25.56	25.60	26.44	25.54	25.70	0.0	27.0	
			243	1	25.50	25.42	25.36	26.46	25.68	26.05	0.0	27.0	
			0	120	25.17	25.11	25.15	25.71	25.26	25.23	0.5	26.5	
			63	120	25.65	25.70	25.66	26.40	25.62	25.73	0.0	27.0	
			125	120	25.04	25.09	25.10	25.95	25.05	25.30	0.5	26.5	
		QPSK	0	243	25.14	25.15	25.13	25.86	25.27	25.29	0.5	26.5	
			1	1	25.55	25.58	25.58	25.85	26.01	25.73	0.0	27.0	
			123	1	25.67	25.72	25.64	26.51	25.58	25.69	0.0	27.0	
			243	1	25.63	25.47	25.47	26.49	25.67	26.12	0.0	27.0	
			0	120	24.70	24.65	24.68	25.28	24.80	24.68	1.0	26.0	
			63	120	25.72	25.71	25.75	26.47	25.57	25.82	0.0	27.0	
			125	120	24.60	24.60	24.59	25.40	24.41	24.82	1.0	26.0	
			0	243	24.63	24.71	24.67	25.33	24.69	24.86	1.0	26.0	
			16QAM	1	1	24.52	24.53	24.61	24.78	24.83	24.72	1.0	26.0
				64QAM	1	1	23.23	23.39	23.35	23.46	23.73	23.23	2.5
256QAM	1	1		20.97	21.02	21.12	21.29	21.38	20.94	4.5	22.5		
CP-OFDM	QPSK	1		1	24.09	24.16	24.12	24.36	24.51	24.25	1.5	25.5	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)						MPR	Tune-up Limit	
					632668	633332	634000	649334	656000	662666			
					3490.02 MHz	3499.98MHz	3510 MHz	3740.01 MHz	3840 MHz	3939.99 MHz			
80 MHz	DFT-s-OFDM	π/2 BPSK	1	1	25.45	25.48	25.62	25.77	25.76	25.63	0.0	27.0	
			1	109	25.56	25.58	25.55	26.39	25.52	25.82	0.0	27.0	
			1	215	25.49	25.46	25.30	26.34	25.49	25.97	0.0	27.0	
			108	0	25.22	25.13	25.18	25.77	25.33	25.14	0.5	26.5	
			108	55	25.65	25.67	25.66	26.39	25.66	25.79	0.0	27.0	
			108	109	25.20	25.08	25.04	25.99	25.01	25.42	0.5	26.5	
		QPSK	216	0	25.13	25.16	25.14	25.82	25.08	25.36	0.5	26.5	
			1	1	25.54	25.60	25.68	25.88	25.85	25.75	0.0	27.0	
			1	109	25.65	25.66	25.57	26.37	25.43	25.87	0.0	27.0	
			1	215	25.57	25.52	25.37	26.43	25.53	25.99	0.0	27.0	
			108	0	24.69	24.67	24.64	25.24	24.80	24.79	1.0	26.0	
			108	55	25.61	25.76	25.74	26.47	25.57	25.82	0.0	27.0	
			108	109	24.69	24.57	24.57	25.43	24.53	24.82	1.0	26.0	
			216	0	24.64	24.71	24.69	25.28	24.52	24.88	1.0	26.0	
			16QAM	1	1	24.54	24.52	24.63	24.87	24.77	24.92	1.0	26.0
				64QAM	1	1	23.35	23.30	23.36	23.54	23.56	23.39	2.5
256QAM	1	1		20.88	21.05	21.20	21.34	21.30	20.90	4.5	22.5		
CP-OFDM	QPSK	1		1	24.05	24.18	24.26	24.46	24.49	24.29	1.5	25.5	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)						MPR	Tune-up Limit
					632334	633332	634332	649000	656000	663000		
					3485.01 MHz	3499.98MHz	3514.98 MHz	3735MHz	3840 MHz	3945MHz		
70 MHz	DFT-s-OFDM	π/2 BPSK	1	1	25.46	25.53	25.54	25.69	25.82	25.61	0.0	27.0
			1	95	25.63	25.57	25.47	26.37	25.41	25.92	0.0	27.0
			1	188	25.49	25.46	25.25	26.34	25.43	25.90	0.0	27.0
			90	0	25.18	25.08	25.21	25.58	25.10	25.31	0.5	26.5
			90	50	25.10	25.22	25.10	25.82	25.09	25.35	0.0	27.0
			90	99	25.18	25.06	25.05	25.92	24.87	25.42	0.5	26.5
		QPSK	180	0	25.10	25.16	25.07	25.77	25.00	25.25	0.5	26.5
			1	1	25.56	25.63	25.67	25.80	25.81	25.62	0.0	27.0
			1	95	25.67	25.66	25.59	26.39	25.55	26.01	0.0	27.0
			1	188	25.54	25.47	25.29	26.40	25.53	25.90	0.0	27.0
			90	0	24.67	24.68	24.72	25.16	24.65	24.66	1.0	26.0
			90	50	24.63	24.68	24.57	25.28	24.61	24.94	0.0	27.0
		16QAM	90	99	24.70	24.64	24.51	25.55	24.55	25.02	1.0	26.0
			180	0	24.60	24.67	24.63	25.33	24.58	24.81	1.0	26.0
64QAM	1	1	24.45	24.55	24.59	24.75	24.83	24.57	1.0	26.0		
256QAM	1	1	23.10	23.34	23.22	23.49	23.67	23.23	2.5	24.5		
CP-OFDM	QPSK	1	1	20.86	21.04	21.15	21.21	21.10	21.04	4.5	22.5	
			1	1	24.10	24.16	24.21	24.35	24.43	24.37	1.5	25.5
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)						MPR	Tune-up Limit
					632000	633332	634666	648668	656000	663332		
					3480 MHz	3499.98MHz	3519.99 MHz	3730.02 MHz	3840 MHz	3949.98 MHz		
60 MHz	DFT-s-OFDM	π/2 BPSK	1	1	25.56	25.73	25.79	25.79	25.30	25.11	0.0	27.0
			1	81	25.74	25.81	25.68	26.30	25.41	25.88	0.0	27.0
			1	160	25.61	25.52	25.31	26.48	25.02	25.53	0.0	27.0
			81	0	25.26	25.27	25.38	25.69	24.93	25.00	0.5	26.5
			81	41	25.73	25.80	25.70	26.38	25.46	25.77	0.0	27.0
			81	81	25.30	25.18	25.13	25.97	24.75	25.29	0.5	26.5
		QPSK	162	0	25.20	25.32	25.22	25.86	24.89	25.16	0.5	26.5
			1	1	25.63	25.80	25.83	25.85	25.37	25.24	0.0	27.0
			1	81	25.79	25.89	25.74	26.37	25.42	25.98	0.0	27.0
			1	160	25.59	25.59	25.38	26.51	25.11	25.57	0.0	27.0
			81	0	24.78	24.82	24.88	25.22	24.41	24.52	1.0	26.0
			81	41	25.72	25.80	25.75	26.37	25.40	25.70	0.0	27.0
		16QAM	81	81	24.78	24.70	24.65	25.44	24.27	24.73	1.0	26.0
			162	0	24.73	24.78	24.67	25.36	24.37	24.64	1.0	26.0
64QAM	1	1	24.55	24.77	24.76	24.89	24.37	24.04	1.0	26.0		
256QAM	1	1	23.32	23.30	23.54	23.53	22.91	22.98	2.5	24.5		
CP-OFDM	QPSK	1	1	21.03	21.13	21.23	21.27	20.72	20.42	4.5	22.5	
			1	1	24.17	24.28	24.45	24.45	23.91	23.76	1.5	25.5
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)						MPR	Tune-up Limit
					631668	633332	635000	648334	656000	663666		
					3475.02 MHz	3499.98MHz	3525 MHz	3725.01 MHz	3840 MHz	3954.99 MHz		
50 MHz	DFT-s-OFDM	π/2 BPSK	1	1	25.64	25.76	25.81	25.85	25.72	25.36	0.0	27.0
			67	1	25.62	25.72	25.52	26.26	25.57	25.29	0.0	27.0
			131	1	25.74	25.58	25.28	26.49	25.45	25.35	0.0	27.0
			0	64	25.26	25.34	25.16	25.58	25.12	24.75	0.5	26.5
			35	64	25.70	25.83	25.62	26.27	25.44	25.30	0.0	27.0
			69	64	25.26	25.17	25.05	26.00	24.87	24.92	0.5	26.5
		QPSK	0	128	25.22	25.33	25.12	25.77	25.09	24.85	0.5	26.5
			1	1	25.71	25.81	25.87	25.93	25.72	25.50	0.0	27.0
			67	1	25.64	25.77	25.57	26.33	25.58	25.37	0.0	27.0
			131	1	25.76	25.66	25.32	26.58	25.57	25.37	0.0	27.0
			0	64	24.77	24.86	24.70	24.99	24.63	24.39	1.0	26.0
			35	64	25.68	25.79	25.64	26.31	25.51	25.36	0.0	27.0
		16QAM	69	64	24.78	24.66	24.56	25.48	24.48	24.36	1.0	26.0
			0	128	24.69	24.79	24.62	25.27	24.58	24.40	1.0	26.0
64QAM	1	1	24.62	24.72	24.83	24.84	24.87	24.52	1.0	26.0		
256QAM	1	1	23.38	23.67	23.57	23.65	23.32	23.23	2.5	24.5		
CP-OFDM	QPSK	1	1	21.26	21.37	21.34	21.36	21.16	20.57	4.5	22.5	
			1	1	24.22	24.32	24.46	24.56	24.30	23.94	1.5	25.5

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)						MPR	Tune-up Limit
					631334	633332	635332	648000	656000	664000		
					3470.01 MHz	3499.98MHz	3529.98 MHz	3720.02 MHz	3840 MHz	3960 MHz		
40 MHz	DFT-s-OFDM	π/2 BPSK	1	1	25.81	25.95	25.29	26.25	25.99	25.68	0.0	27.0
			1	53	25.69	25.73	25.46	26.35	25.65	25.64	0.0	27.0
			1	104	26.04	25.91	24.96	26.68	25.71	25.77	0.0	27.0
			50	0	25.40	25.48	24.99	25.81	25.33	25.08	0.5	26.5
			50	28	25.76	25.93	25.54	26.41	25.72	25.63	0.0	27.0
			50	56	25.45	25.38	24.91	26.08	25.19	25.20	0.5	26.5
		QPSK	100	0	25.37	25.38	24.97	26.00	25.30	25.19	0.5	26.5
			1	1	25.93	26.04	25.41	26.29	25.95	25.72	0.0	27.0
			1	53	25.77	25.81	25.49	26.41	25.77	25.67	0.0	27.0
			1	104	26.08	25.98	25.01	26.76	25.62	25.85	0.0	27.0
			50	0	24.86	25.05	24.49	25.30	24.83	24.71	1.0	26.0
			50	28	25.82	25.86	25.54	26.40	25.81	25.61	0.0	27.0
		16QAM	50	56	24.93	24.93	24.42	25.60	24.62	24.77	1.0	26.0
			100	0	24.86	24.91	24.45	25.44	24.77	24.71	1.0	26.0
1	1		24.73	24.96	24.26	25.26	24.93	24.64	1.0	26.0		
1	1		23.58	23.68	23.06	24.15	23.55	23.45	2.5	24.5		
256QAM	1	1	21.36	21.44	20.78	21.75	21.40	21.05	4.5	22.5		
	1	1	24.42	24.59	23.93	24.81	24.65	24.21	1.5	25.5		
CP-OFDM	QPSK	1	1	24.42	24.59	23.93	24.81	24.65	24.21	1.5	25.5	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)						MPR	Tune-up Limit
					631000	633332	635668	647668	656000	664332		
					3465 MHz	3499.98MHz	3535.02 MHz	3715.02 MHz	3840 MHz	3964.98 MHz		
30 MHz	DFT-s-OFDM	π/2 BPSK	1	1	25.81	25.89	25.77	26.06	25.84	25.58	0.0	27.0
			1	39	25.74	25.72	25.56	26.22	25.64	25.62	0.0	27.0
			1	76	25.94	25.81	25.53	26.52	25.51	25.64	0.0	27.0
			36	0	25.36	25.40	25.27	25.66	25.32	25.11	0.5	26.5
			36	21	25.77	25.75	25.58	26.26	25.64	25.67	0.0	27.0
			36	42	25.41	25.29	25.09	25.89	25.09	25.15	0.5	26.5
		QPSK	75	0	25.30	25.28	25.13	25.83	25.25	25.14	0.5	26.5
			1	1	25.86	25.95	25.85	26.13	25.82	25.68	0.0	27.0
			1	39	25.75	25.75	25.55	26.24	25.72	25.65	0.0	27.0
			1	76	25.99	25.83	25.59	26.58	25.60	25.71	0.0	27.0
			36	0	24.86	24.96	24.82	25.16	24.86	24.61	1.0	26.0
			36	21	25.78	25.77	25.60	26.24	25.72	25.57	0.0	27.0
		16QAM	36	42	24.91	24.86	24.57	25.42	24.71	24.55	1.0	26.0
			75	0	24.83	24.86	24.66	25.30	24.72	24.59	1.0	26.0
1	1		24.86	25.00	24.73	25.17	24.79	24.55	1.0	26.0		
1	1		23.48	23.65	23.53	23.83	23.60	23.30	2.5	24.5		
256QAM	1	1	21.33	21.41	21.32	21.57	21.09	20.86	4.5	22.5		
	1	1	24.41	24.53	24.40	24.70	24.44	24.21	1.5	25.5		
CP-OFDM	QPSK	1	1	24.41	24.53	24.40	24.70	24.44	24.21	1.5	25.5	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	Measured Pwr (dBm)						MPR	Tune-up Limit
					630668	633332	636000	647334	656000	664666		
					3460.02 MHz	3499.98MHz	3540 MHz	3710.01 MHz	3840 MHz	3969.99 MHz		
20 MHz	DFT-s-OFDM	π/2 BPSK	1	1	25.79	26.01	25.71	25.98	25.63	25.63	0.0	27.0
			1	26	25.78	25.81	25.51	26.08	25.50	25.59	0.0	27.0
			1	49	25.84	25.83	25.51	26.28	25.48	25.71	0.0	27.0
			25	0	25.34	25.47	25.13	25.53	25.20	25.12	0.5	26.5
			25	13	25.78	25.84	25.60	26.13	25.62	25.60	0.0	27.0
			25	26	25.29	25.39	25.08	25.68	25.15	25.19	0.5	26.5
		QPSK	50	0	25.33	25.35	25.08	25.66	25.12	25.14	0.5	26.5
			1	1	25.88	26.08	25.75	26.05	25.73	25.63	0.0	27.0
			1	26	25.84	25.89	25.64	26.09	25.63	25.62	0.0	27.0
			1	49	25.90	25.89	25.56	26.34	25.54	25.74	0.0	27.0
			25	0	24.84	24.96	24.68	25.00	24.75	24.64	1.0	26.0
			25	13	25.83	25.86	25.59	26.12	25.61	25.64	0.0	27.0
		16QAM	25	26	24.80	24.90	24.63	25.18	24.56	24.62	1.0	26.0
			50	0	24.85	24.90	24.66	25.16	24.61	24.61	1.0	26.0
1	1		24.84	24.99	24.67	24.93	24.59	24.56	1.0	26.0		
1	1		23.51	23.76	23.37	23.91	23.41	23.26	2.5	24.5		
256QAM	1	1	21.24	21.31	21.25	21.49	20.99	20.99	4.5	22.5		
	1	1	24.43	24.59	24.24	24.58	24.29	24.24	1.5	25.5		
CP-OFDM	QPSK	1	1	24.43	24.59	24.24	24.58	24.29	24.24	1.5	25.5	

NR Band n77(PC2, SRS1)

BW (MHz)	RB Allocation	RB offset	Maximum Average Power (dBm)							MPR	Tune-up Limit
			SRS1								
			Measured Pwr (dBm)								
100 MHz	1	1		633332		650000	656000	662000	0.0	16.5	
				3499.98MHz		3750 MHz	3840 MHz	3930 MHz			
90 MHz	1	1		14.91		15.86	14.59	14.74	0.0		
			633000	633332	633666	649666	656000	662332			
80 MHz	1	1	3495MHz	3499.98MHz	3504.99MHz	3744.99MHz	3840 MHz	3934.98MHz	0.0		
			14.87	14.89	14.91	15.79	14.48	14.86			
70 MHz	1	1	632668	633332	634000	649334	656000	662666	0.0		
			3490.02 MHz	3499.98MHz	3510 MHz	3740.01 MHz	3840 MHz	3939.99 MHz			
60 MHz	1	1	14.81	14.89	14.91	15.90	14.50	14.82	0.0		
			632334	633332	634332	649000	656000	663000			
50 MHz	1	1	3485.01 MHz	3499.98MHz	3514.98 MHz	3735MHz	3840 MHz	3945MHz	0.0		
			14.91	14.85	14.91	15.82	14.52	14.66			
40 MHz	1	1	632000	633332	634666	648668	656000	663332	0.0		
			3480 MHz	3499.98MHz	3519.99 MHz	3730.02 MHz	3840 MHz	3949.98 MHz			
30 MHz	1	1	15.04	15.97	15.04	15.90	14.51	14.76	0.0		
			631668	633332	635000	648334	656000	663666			
20 MHz	1	1	3475.02 MHz	3499.98MHz	3525 MHz	3725.01 MHz	3840 MHz	3954.99 MHz	0.0		
			15.02	14.90	14.99	15.90	14.49	14.83			
	1	1	631334	633332	635332	648000	656000	664000	0.0		
			3470.01 MHz	3499.98MHz	3529.98 MHz	3720.02 MHz	3840 MHz	3960 MHz			
	1	1	15.27	15.17	15.17	16.11	14.76	14.93	0.0		
			631000	633332	635668	647668	656000	664332			
	1	1	3465 MHz	3499.98MHz	3535.02 MHz	3715.02 MHz	3840 MHz	3964.98 MHz	0.0		
			15.27	15.13	15.16	16.04	14.75	14.80			
	1	1	630668	633332	636000	647334	656000	664666	0.0		
			3460.02 MHz	3499.98MHz	3540 MHz	3710.01 MHz	3840 MHz	3969.99 MHz			
			15.27	15.11	15.13	15.84	14.66	14.69			

NR Band n77(PC2, SRS2)

BW (MHz)	RB Allocation	RB offset	Maximum Average Power (dBm)						MPR	Tune-up Limit
			SRS2							
			Measured Pwr (dBm)							
100 MHz	1	1	633332		650000	656000	662000	0.0	23.0	
			3499.98MHz		3750 MHz	3840 MHz	3930 MHz			
90 MHz	1	1	20.93	21.44	20.60	20.69	0.0			
			633000	633332	633666	649666		656000		662332
80 MHz	1	1	3495MHz	3499.98MHz	3504.99MHz	3744.99MHz	3840 MHz	3934.98MHz		0.0
			20.87	20.87	20.81	21.32	20.68	20.71		
70 MHz	1	1	632668	633332	634000	649334	656000	662666		0.0
			3490.02 MHz	3499.98MHz	3510 MHz	3740.01 MHz	3840 MHz	3939.99 MHz		
60 MHz	1	1	21.02	20.92	20.80	21.42	20.62	20.68		0.0
			632334	633332	634332	649000	656000	663000		
50 MHz	1	1	3485.01 MHz	3499.98MHz	3514.98 MHz	3735MHz	3840 MHz	3945MHz	0.0	
			21.13	20.91	20.77	21.41	20.62	20.59		
40 MHz	1	1	632000	633332	634666	648668	656000	663332	0.0	
			3480 MHz	3499.98MHz	3519.99 MHz	3730.02 MHz	3840 MHz	3949.98 MHz		
30 MHz	1	1	21.29	21.07	20.89	21.65	20.59	20.71	0.0	
			631668	633332	635000	648334	656000	663666		
20 MHz	1	1	3475.02 MHz	3499.98MHz	3525 MHz	3725.01 MHz	3840 MHz	3954.99 MHz	0.0	
			21.27	21.01	20.84	21.65	20.67	20.80		
20 MHz	1	1	631334	633332	635332	648000	656000	664000	0.0	
			3470.01 MHz	3499.98MHz	3529.98 MHz	3720.02 MHz	3840 MHz	3960 MHz		
20 MHz	1	1	21.54	21.28	20.96	21.87	20.89	20.99	0.0	
			631000	633332	635668	647668	656000	664332		
20 MHz	1	1	3465 MHz	3499.98MHz	3535.02 MHz	3715.02 MHz	3840 MHz	3964.98 MHz	0.0	
			21.50	21.26	20.93	21.81	20.90	20.91		
20 MHz	1	1	630668	633332	636000	647334	656000	664666	0.0	
			3460.02 MHz	3499.98MHz	3540 MHz	3710.01 MHz	3840 MHz	3969.99 MHz		
			21.45	21.21	20.88	21.91	20.80	20.83	0.0	

NR Band n77(PC2, SRS3)

BW (MHz)	RB Allocation	RB offset	Maximum Average Power (dBm)						MPR	Tune-up Limit
			SRS3							
			Measured Pwr (dBm)							
100 MHz	1	1	633332		650000	656000	662000	0.0	23.0	
			3499.98MHz		3750 MHz	3840 MHz	3930 MHz			
			21.75		22.44	21.38	21.78			
90 MHz	1	1	633000	633332	633666	649666	656000	662332		0.0
			3495MHz	3499.98MHz	3504.99MHz	3744.99MHz	3840 MHz	3934.98MHz		
			21.55	21.58	21.58	22.39	21.42	22.01		
80 MHz	1	1	632668	633332	634000	649334	656000	662666		0.0
			3490.02 MHz	3499.98MHz	3510 MHz	3740.01 MHz	3840 MHz	3939.99 MHz		
			21.53	21.57	21.56	22.39	21.37	21.99		
70 MHz	1	1	632334	633332	634332	649000	656000	663000		0.0
			3485.01 MHz	3499.98MHz	3514.98 MHz	3735MHz	3840 MHz	3945MHz		
			21.58	21.59	21.54	22.38	21.41	21.96		
60 MHz	1	1	632000	633332	634666	648668	656000	663332	0.0	
			3480 MHz	3499.98MHz	3519.99 MHz	3730.02 MHz	3840 MHz	3949.98 MHz		
			21.66	21.66	21.59	22.42	21.38	22.10		
50 MHz	1	1	631668	633332	635000	648334	656000	663666	0.0	
			3475.02 MHz	3499.98MHz	3525 MHz	3725.01 MHz	3840 MHz	3954.99 MHz		
			21.52	21.63	21.55	22.57	21.50	22.16		
40 MHz	1	1	631334	633332	635332	648000	656000	664000	0.0	
			3470.01 MHz	3499.98MHz	3529.98 MHz	3720.02 MHz	3840 MHz	3960 MHz		
			21.73	21.85	21.67	22.80	21.76	22.42		
30 MHz	1	1	631000	633332	635668	647668	656000	664332	0.0	
			3465 MHz	3499.98MHz	3535.02 MHz	3715.02 MHz	3840 MHz	3964.98 MHz		
			21.67	21.86	21.61	22.78	21.80	22.35		
20 MHz	1	1	630668	633332	636000	647334	656000	664666	0.0	
			3460.02 MHz	3499.98MHz	3540 MHz	3710.01 MHz	3840 MHz	3969.99 MHz		
			21.61	21.81	21.54	22.79	21.74	22.29		

8.2. PEAK TO AVERAGE RATIO

Test Procedure

Per KDB 971168 D01 Power Meas License Digital Systems v03r01;

The transmitter output was connected to a 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

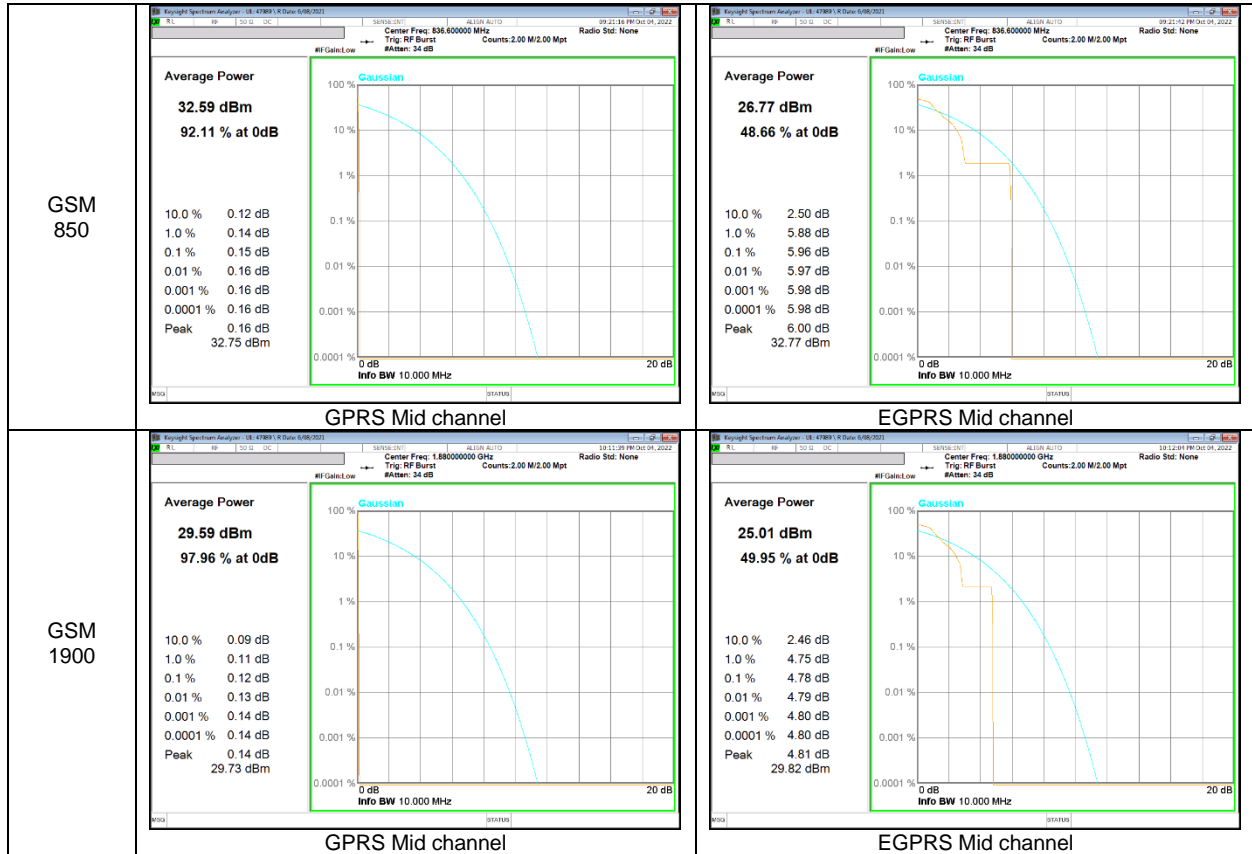
5G NR: All Waveforms (CP-OFDM vs DFT-s_OFDM) and modulations ($\pi/2$ BPSK, QPSK, 16QAM, 64QAM, 256QAM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

RESULTS

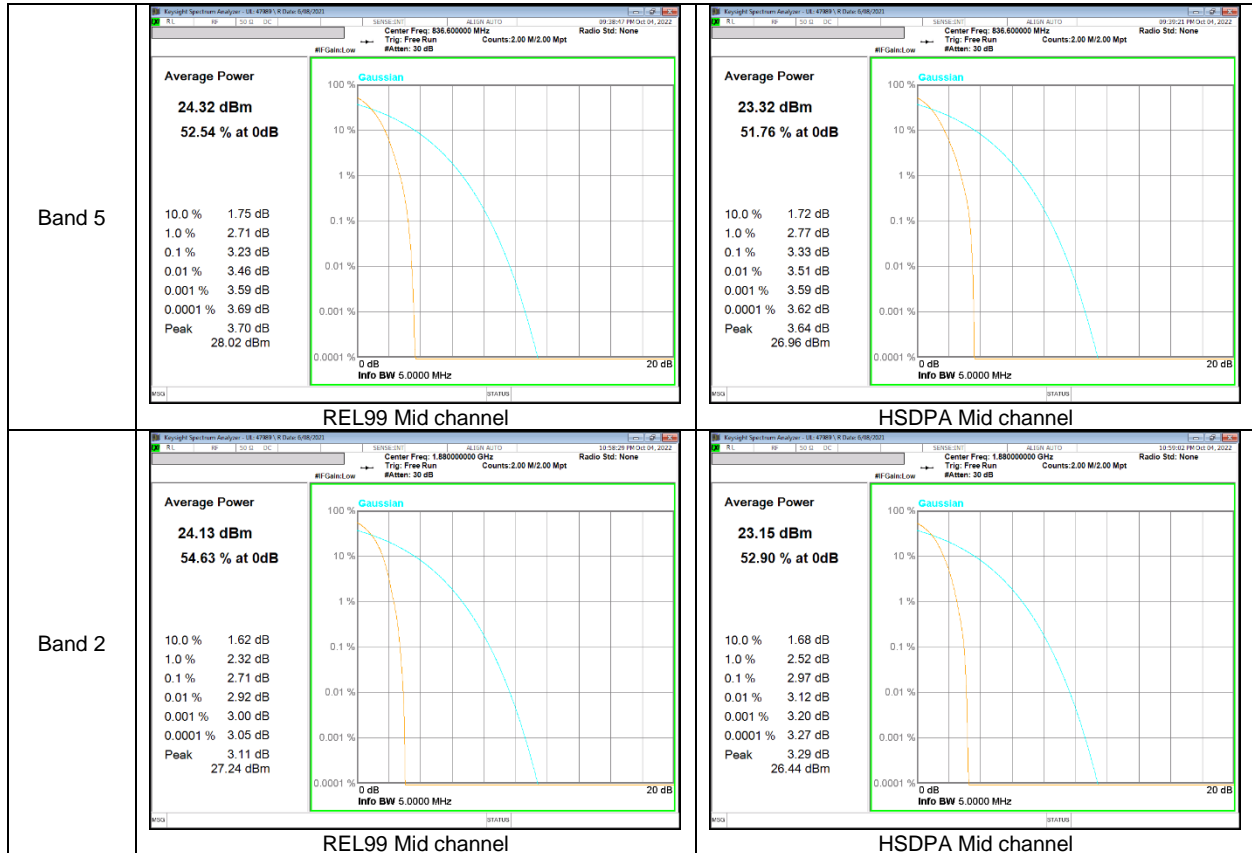
See the following pages.

8.2.1. CONDUCTED PEAK TO AVERAGE RESULT

GSM

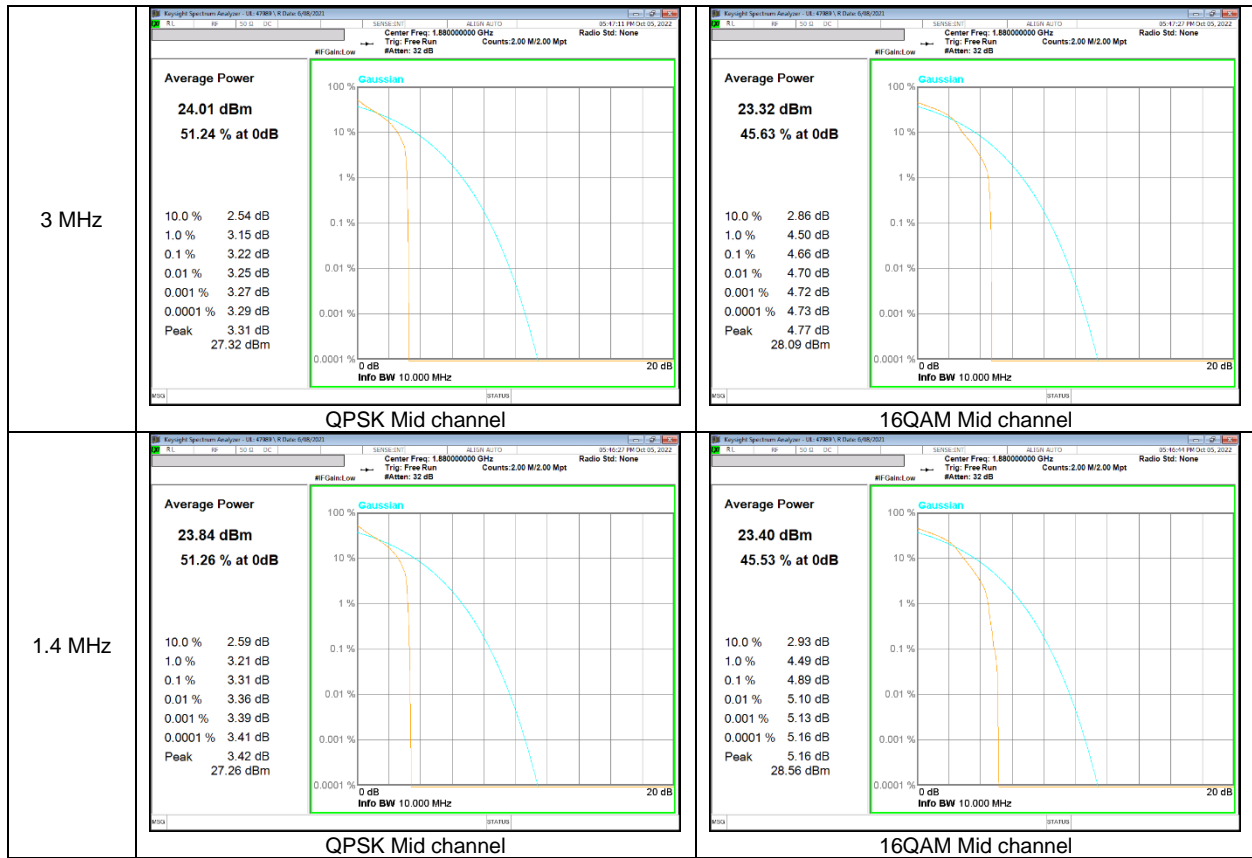


WCDMA



LTE Band 2





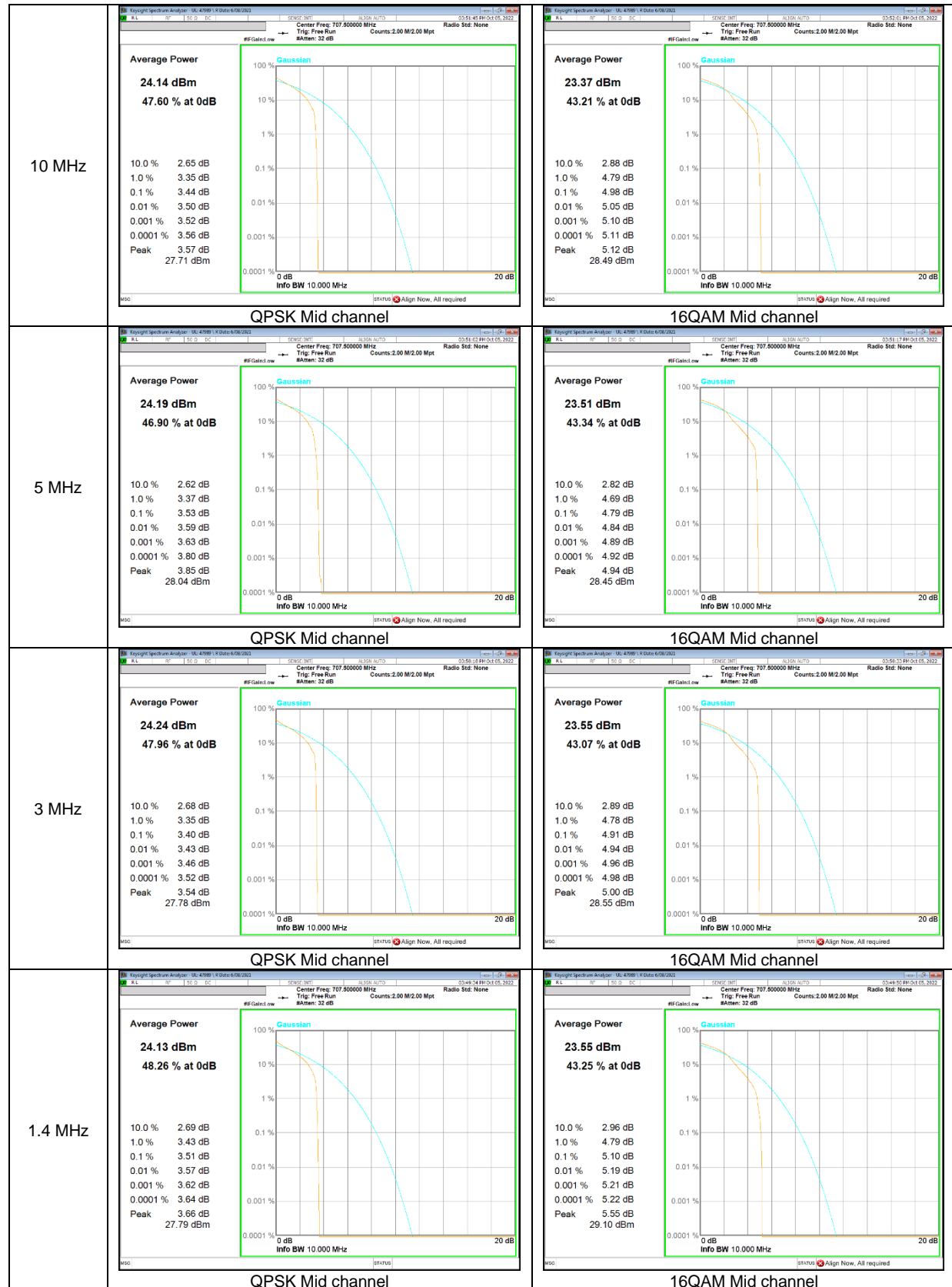
LTE Band 5



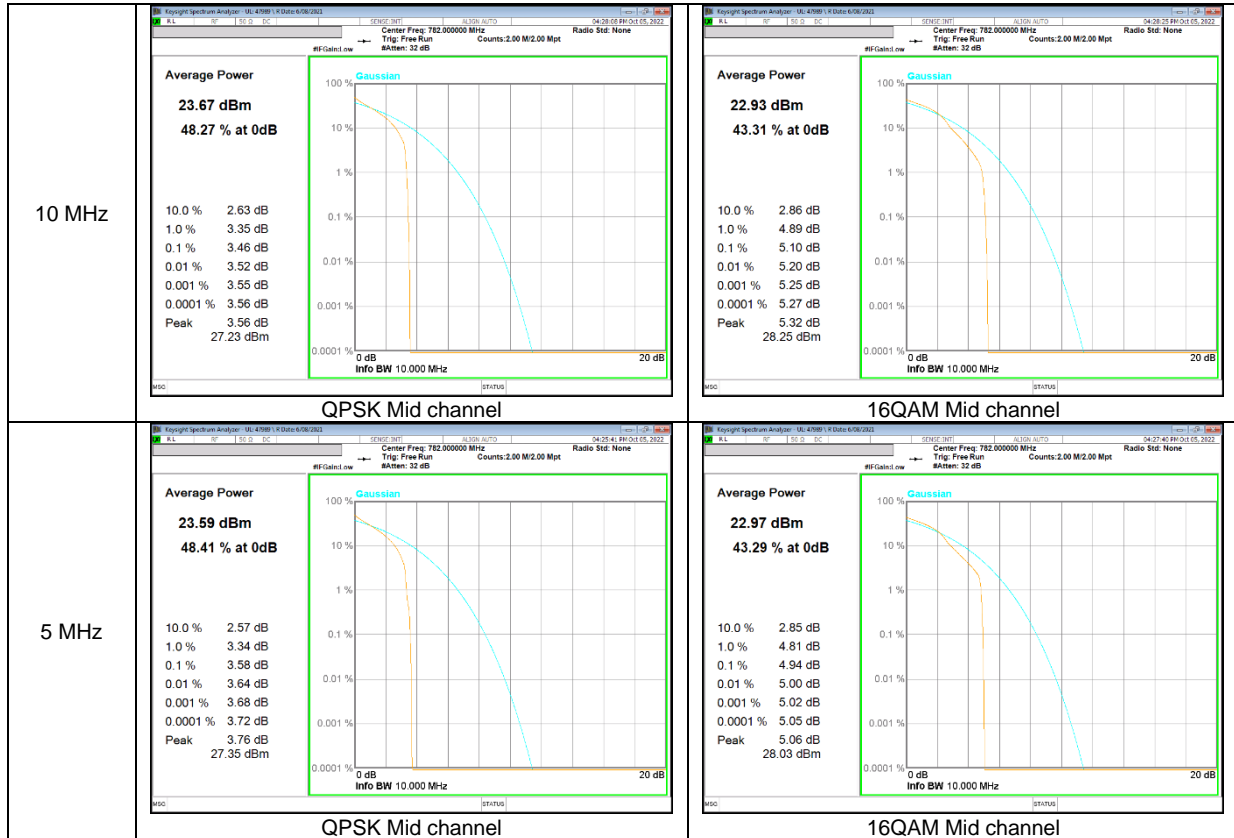
LTE Band 7



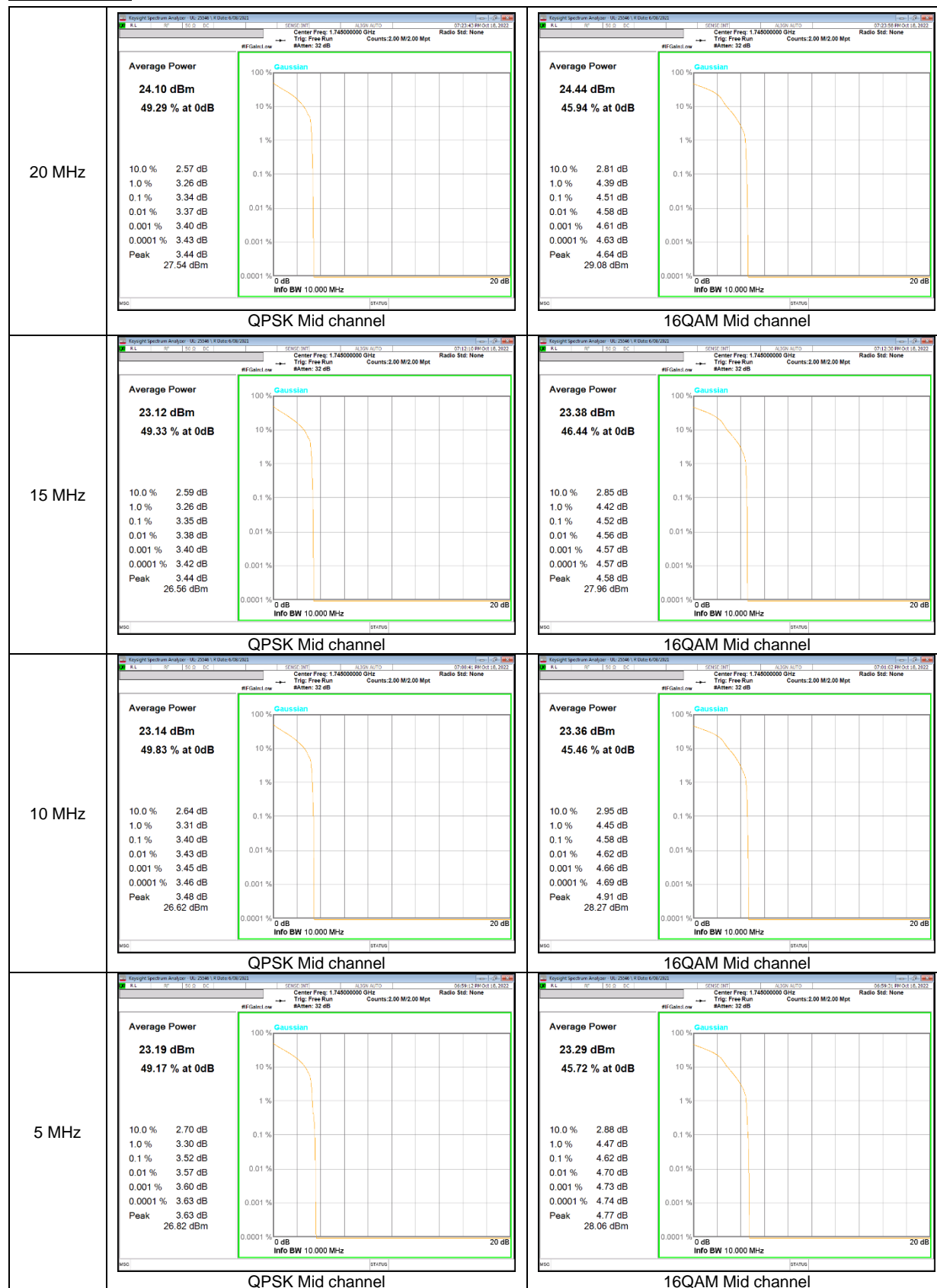
LTE Band 12

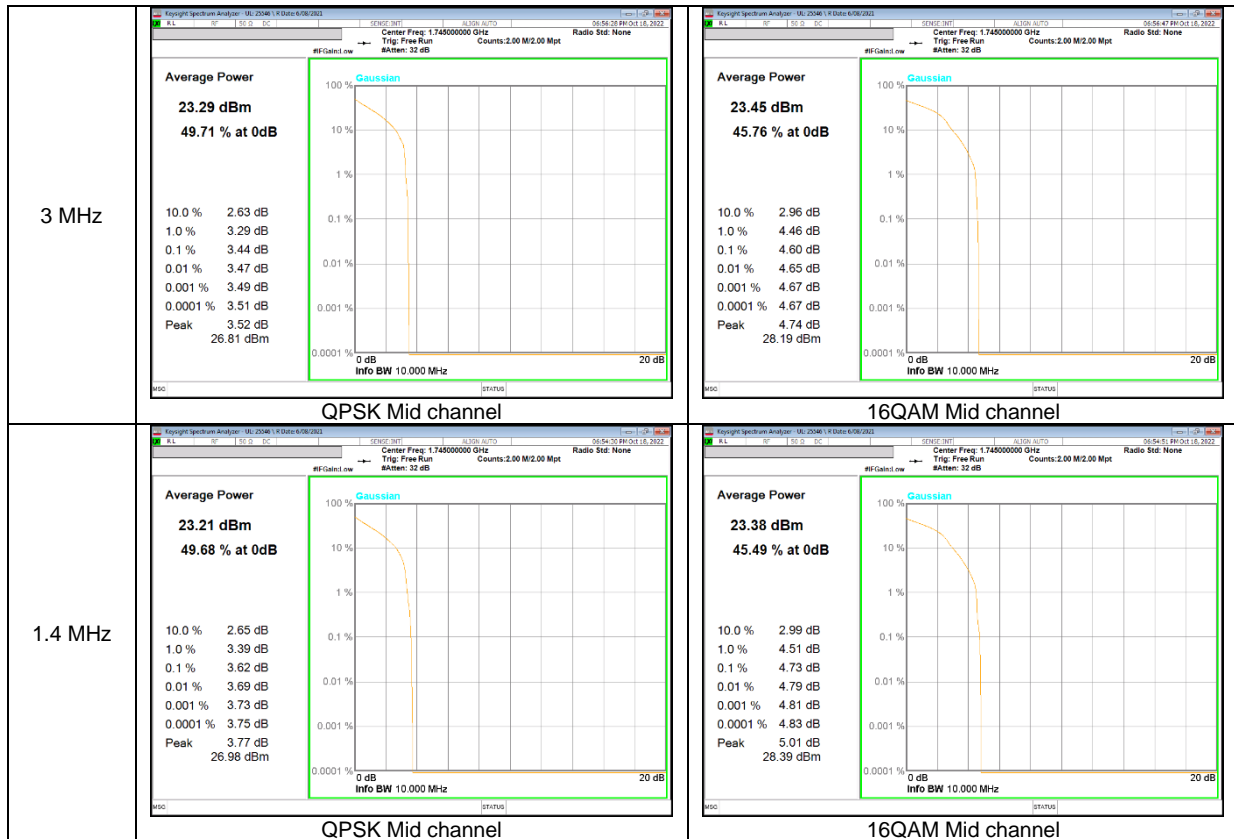


LTE Band 13

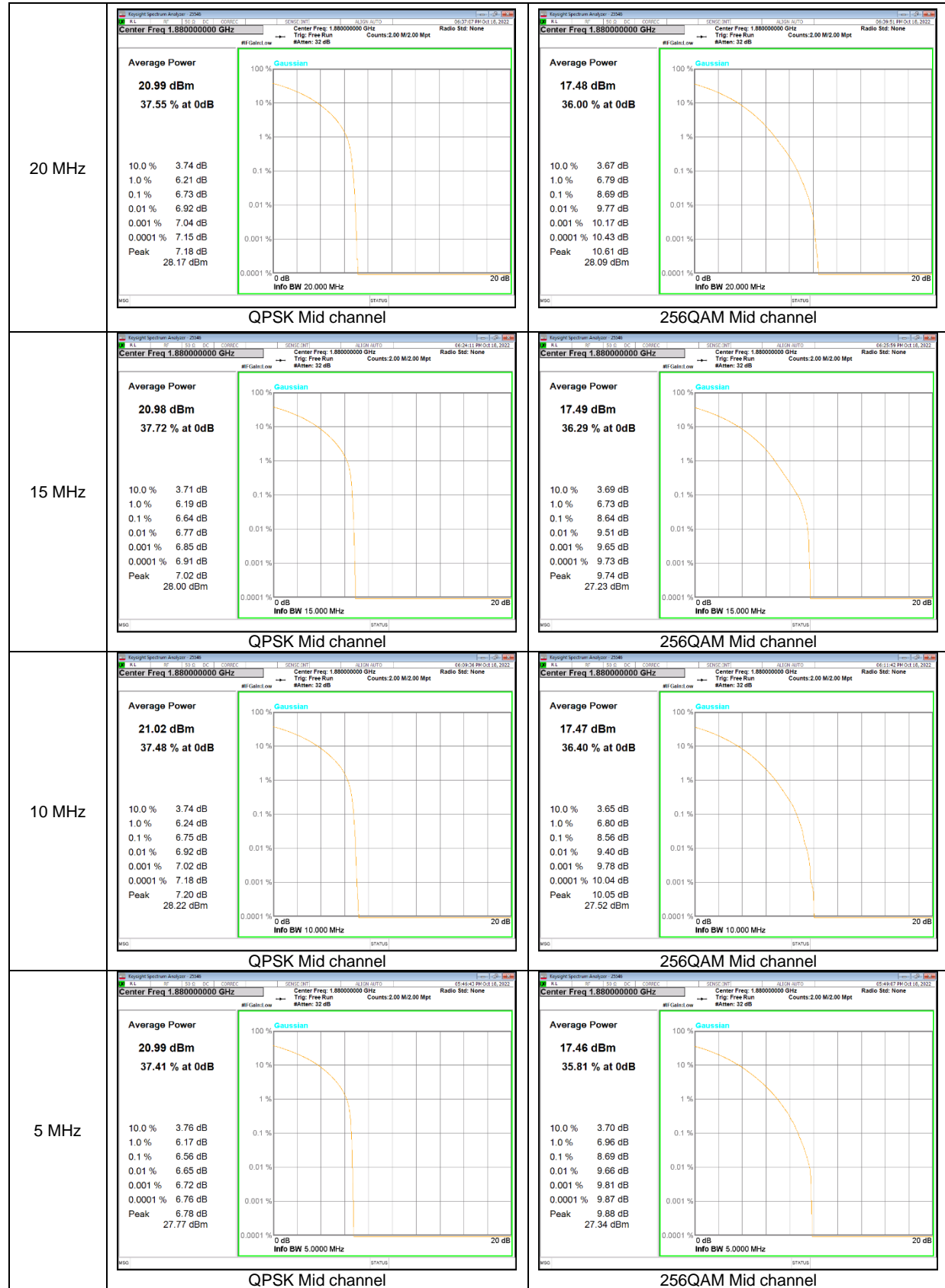


LTE Band 66

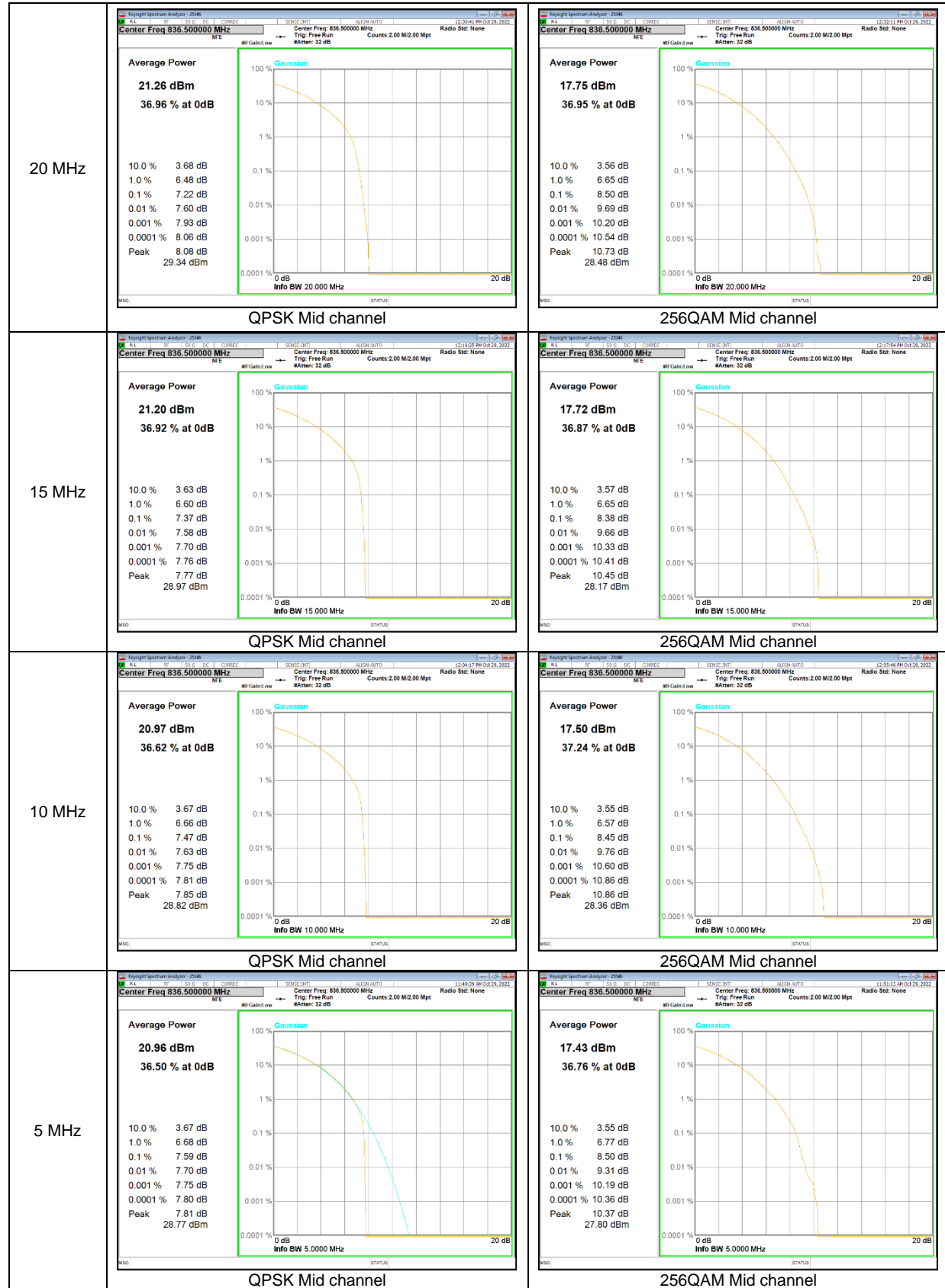




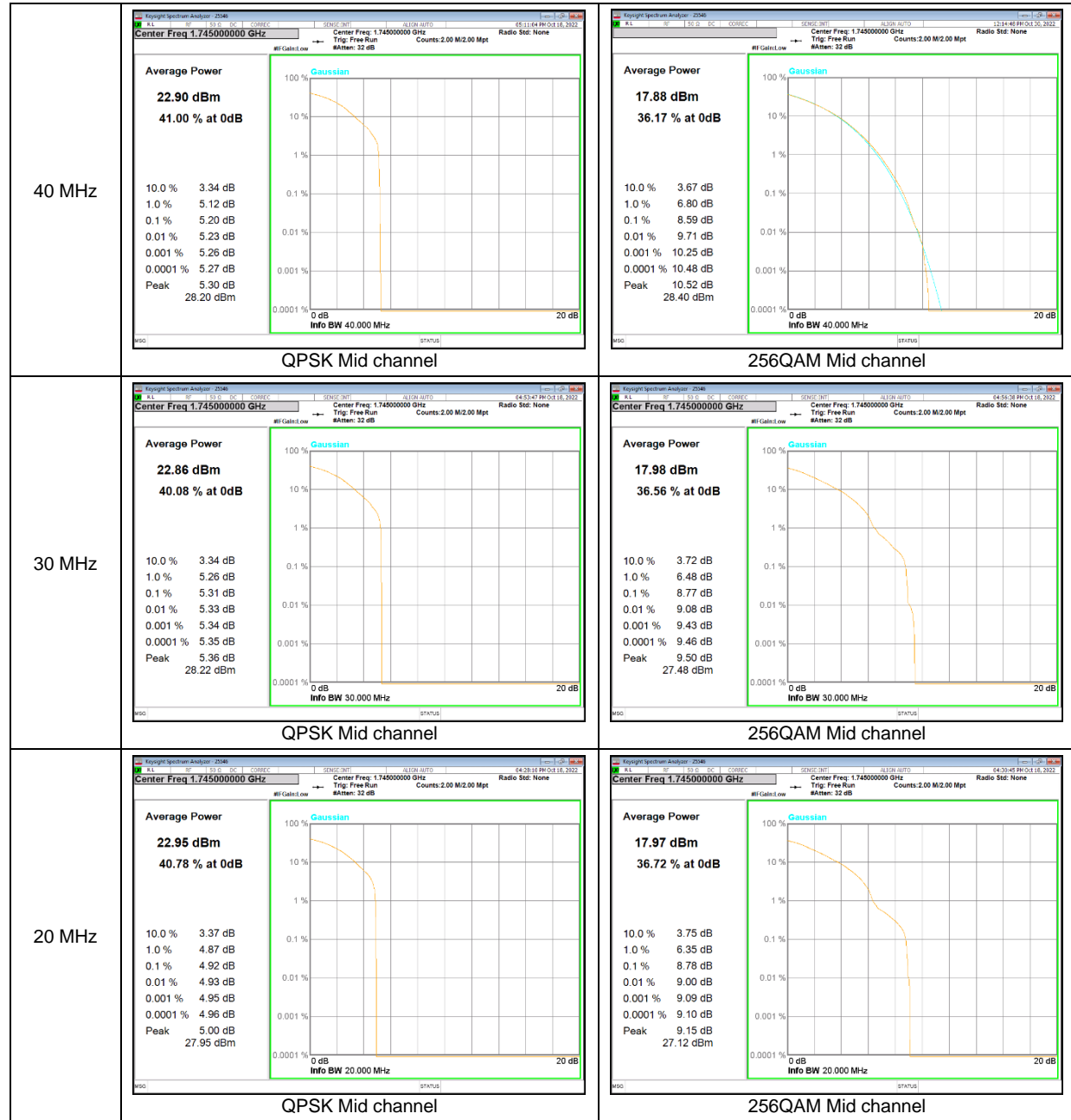
NR Band n2 CP-OFDM

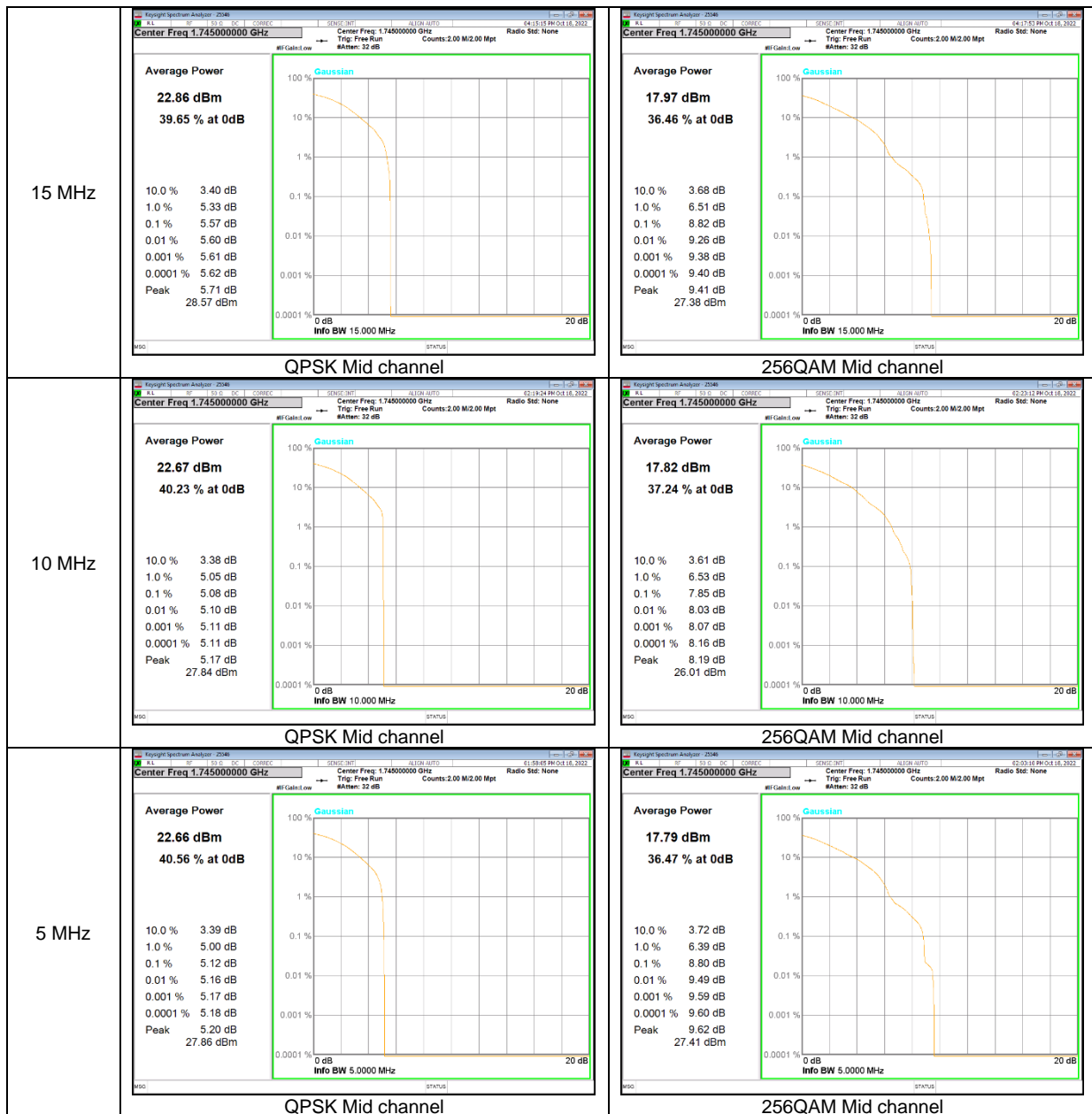


NR Band n5 CP-OFDM



NR Band n66 CP-OFDM





NR Band n77(PC2) CP-OFDM (3450-3550 MHz)

