

CERTIFICATION TEST REPORT

Report Number. : S-4791921958-E4V3

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

Model : SM-S947U, SM-S947U1

FCC ID : A3LSMS947U

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

Test Standard(s) : FCC 47 CFR PART 27 SUBPART D,F,H,L,M,N,O,Q

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Prepared by:

UL KOREA LTD.

26th floor, 152, Teheran-ro, Gangnam-gu Seoul, 06236, Korea

Suwon Test Site: UL KOREA LTD. Suwon Laboratory

218 Maeyeong-ro, Yeongtong-gu,
Suwon-si, Gyeonggi-do, 16675, Korea
TEL: (031) 337-9902
FAX: (031) 213-5433

Revision History

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1. ATTESTATION OF TEST RESULTS

COMPANY NAME: SAMSUNG ELECTRONICS CO., LTD.

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

MODEL NUMBER: SM-S947U, SM-S947U1

SERIAL NUMBER: R3CY90LREKD, R3CY90LRESA, R3CY90LRFAA, R3CY90LRFJT (CONDUCTED);
R3CY90LRLBN, R3CY90LRMAK, R3CY90LRMYM (RADIATED);

DATE TESTED: 2025-11-06 – 2025-12-05;

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

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

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

Approved & Released For
UL KOREA LTD. By:



Seokhwan Hong
Suwon Lab Engineer
UL KOREA LTD.

Tested By:



Yeonhee Lim
Suwon Lab Engineer
UL KOREA LTD.

2. TEST METHODOLOGY

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

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

3. FACILITIES AND ACCREDITATION

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

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

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

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:

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

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

$$\text{For Radiated Spurious Emission (dBm)} = \text{SA reading with EUT worst orientation (dBm)} + \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + \text{Conversion Factor (dB)}$$

$$\text{SA reading with EUT worst orientation (dBm)} = \text{Measured amplitude level (dBuV)} + 107$$
$$\text{Conversion Factor} = 107 + 20 \log(D) - 104.8 = 107 + 9.54 - 104.8 = 11.74 \text{ dB}$$

where D is the measurement distance (in the far field) in m

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	1.84 dB
Radiated Disturbance, 9 kHz to 30 MHz	2.41 dB
Radiated Disturbance, 30 MHz to 1 GHz	3.69 dB
Radiated Disturbance, 1 GHz to 18 GHz	5.18 dB
Radiated Disturbance, Above 18 GHz	5.07 dB

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

4.4. DECISION RULE

Decision rule for statement(s) of conformity is based on Clause 4.3.3 in IEC Guide 115:2023.

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

The EUT is a GSM/WCDMA/LTE/5G NR Phone + BT/BLE, DTS/UNII a/b/g/n/ac/ax/be, NFC, WPT, UWB and NB NTN. 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:
Radiated samples were tested to a higher power than conducted resulting in radiated EIRP greater than conducted measurements.

WCDMA

FCC Part 27							
Band	ANT	Frequency Range [MHz]	Modulation	Conducted Power		EIRP	
				Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
Band 4	A	1712.40 - 1752.60	Rel. 99	23.29	0.213	25.85	0.385
			HSDPA	22.28	0.169	24.72	0.296

LTE Band 7

FCC Part 27								
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted Power		EIRP	
					Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
Band 7	B	2510.00 - 2560.00	20	QPSK	23.32	0.215	22.47	0.177
				16QAM	22.94	0.197	21.50	0.141
				64QAM	21.99	0.158		
				256QAM	18.74	0.075		
		2507.50 - 2562.50	15	QPSK	23.40	0.219	22.19	0.166
				16QAM	22.46	0.176	21.79	0.151
				64QAM	21.85	0.153		
				256QAM	18.37	0.069		
		2505.00 - 2565.00	10	QPSK	23.53	0.225	22.45	0.176
				16QAM	22.88	0.194	21.74	0.149
				64QAM	21.47	0.140		
				256QAM	18.89	0.077		
		2502.50 - 2567.50	5	QPSK	23.39	0.218	22.26	0.168
				16QAM	22.60	0.182	21.91	0.155
				64QAM	21.71	0.148		
				256QAM	18.48	0.070		
Band 7	F	2510.00 - 2560.00	20	QPSK	23.47	0.222	22.70	0.186
				16QAM	22.72	0.187	21.78	0.151
				64QAM	21.83	0.152		
				256QAM	18.74	0.075		
		2507.50 - 2562.50	15	QPSK	23.63	0.231	22.86	0.193
				16QAM	22.70	0.186	21.76	0.150
				64QAM	21.71	0.148		
				256QAM	18.85	0.077		
		2505.00 - 2565.00	10	QPSK	23.59	0.229	22.82	0.191
				16QAM	22.86	0.193	21.92	0.156
				64QAM	21.87	0.154		
				256QAM	18.75	0.075		
		2502.50 - 2567.50	5	QPSK	23.58	0.228	22.81	0.191
				16QAM	22.78	0.190	21.84	0.153
				64QAM	21.92	0.156		
				256QAM	18.63	0.073		

LTE Band 12

FCC Part 27								
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted Power		ERP	
					Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
Band 12	A	704.00 - 711.00	10	QPSK	24.86	0.306	21.70	0.148
				16QAM	24.30	0.269	20.91	0.123
				64QAM	23.33	0.215		
				256QAM	20.28	0.107		
		701.50 - 713.50	5	QPSK	25.02	0.318	21.76	0.150
				16QAM	24.07	0.255	21.11	0.129
				64QAM	22.95	0.197		
				256QAM	20.09	0.102		
		700.50 - 714.50	3	QPSK	24.89	0.308	21.75	0.150
				16QAM	24.07	0.255	20.86	0.122
				64QAM	23.35	0.216		
				256QAM	20.35	0.108		
		699.70 - 715.30	1.4	QPSK	24.86	0.306	21.73	0.149
				16QAM	24.42	0.277	21.14	0.130
				64QAM	23.16	0.207		
				256QAM	20.18	0.104		
Band 12	E	704.00 - 711.00	10	QPSK	25.37	0.344	19.36	0.086
				16QAM	24.43	0.277	18.74	0.075
				64QAM	24.59	0.288		
				256QAM	20.55	0.114		
		701.50 - 713.50	5	QPSK	25.38	0.345	19.31	0.085
				16QAM	24.75	0.299	18.87	0.077
				64QAM	23.59	0.229		
				256QAM	20.46	0.111		
		700.50 - 714.50	3	QPSK	25.22	0.333	19.09	0.081
				16QAM	24.41	0.276	18.51	0.071
				64QAM	23.60	0.229		
				256QAM	20.96	0.125		
		699.70 - 715.30	1.4	QPSK	25.17	0.329	18.97	0.079
				16QAM	24.70	0.295	18.75	0.075
				64QAM	23.42	0.220		
				256QAM	20.47	0.111		

LTE Band 13

FCC Part 27								
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted Power		ERP	
					Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
Band 13	A	782.00	10	QPSK	24.03	0.253	22.63	0.183
				16QAM	23.28	0.213	21.62	0.145
				64QAM	21.88	0.154		
				256QAM	19.20	0.083		
		779.50 - 784.50	5	QPSK	24.12	0.258	22.96	0.198
				16QAM	23.47	0.222	21.86	0.153
				64QAM	22.33	0.171		
				256QAM	19.56	0.090		
Band 13	E	782.00	10	QPSK	24.59	0.288	18.13	0.065
				16QAM	23.93	0.247	17.53	0.057
				64QAM	22.76	0.189		
				256QAM	19.93	0.098		
		779.50 - 784.50	5	QPSK	24.57	0.286	18.16	0.065
				16QAM	23.81	0.240	17.32	0.054
				64QAM	22.93	0.196		
				256QAM	19.91	0.098		

LTE Band 30

FCC Part 27								
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted Power		EIRP	
					Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
Band 30	A	2310.00	10	QPSK	22.34	0.171	19.80	0.095
				16QAM	21.58	0.144	18.65	0.073
				64QAM	21.37	0.137		
				256QAM	17.81	0.060		
		2307.50 - 2312.50	5	QPSK	22.59	0.182	19.71	0.094
				16QAM	21.72	0.149	18.66	0.073
				64QAM	20.98	0.125		
				256QAM	17.82	0.061		
Band 30	F	2310.00	10	QPSK	23.49	0.223	20.75	0.119
				16QAM	22.49	0.177	19.53	0.090
				64QAM	21.49	0.141		
				256QAM	18.47	0.070		
		2307.50 - 2312.50	5	QPSK	23.49	0.223	20.70	0.117
				16QAM	22.49	0.177	19.61	0.091
				64QAM	21.48	0.141		
				256QAM	18.45	0.070		

LTE Band 41 (PC3)

FCC Part 27								
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted Power		EIRP	
					Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
Band 41	B	2506.00 - 2680.00	20	QPSK	24.19	0.262	23.79	0.239
				16QAM	23.58	0.228	22.97	0.198
				64QAM	22.53	0.179		
				256QAM	19.44	0.088		
		2503.50 - 2682.50	15	QPSK	24.04	0.254	22.83	0.192
				16QAM	23.24	0.211	21.91	0.155
				64QAM	22.33	0.171		
				256QAM	19.44	0.088		
		2501.00 - 2685.00	10	QPSK	24.03	0.253	22.88	0.194
				16QAM	23.21	0.209	21.70	0.148
				64QAM	22.41	0.174		
				256QAM	19.33	0.086		
		2498.50 - 2687.50	5	QPSK	24.18	0.262	23.38	0.218
				16QAM	23.32	0.215	22.26	0.168
				64QAM	22.41	0.174		
				256QAM	19.36	0.086		
Band 41	F	2506.00 - 2680.00	20	QPSK	24.11	0.257	24.26	0.267
				16QAM	23.48	0.223	23.28	0.213
				64QAM	22.40	0.174		
				256QAM	19.25	0.084		
		2503.50 - 2682.50	15	QPSK	24.31	0.270	24.19	0.262
				16QAM	23.31	0.214	22.89	0.195
				64QAM	22.37	0.172		
				256QAM	19.26	0.084		
		2501.00 - 2685.00	10	QPSK	24.11	0.257	24.18	0.262
				16QAM	23.23	0.210	23.03	0.201
				64QAM	22.38	0.173		
				256QAM	19.50	0.089		
		2498.50 - 2687.50	5	QPSK	24.19	0.262	24.15	0.260
				16QAM	23.31	0.214	23.37	0.217
				64QAM	22.38	0.173		
				256QAM	19.37	0.086		

LTE Band 66

FCC Part 27								
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted Power		EIRP	
					Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
Band 66	A	1720.00 - 1770.00	20	QPSK	24.38	0.274	26.47	0.444
				16QAM	23.43	0.220	25.46	0.352
				64QAM	22.83	0.192		
				256QAM	19.47	0.089		
		1717.50 - 1772.50	15	QPSK	24.66	0.292	27.03	0.505
				16QAM	23.54	0.226	25.57	0.361
				64QAM	22.88	0.194		
				256QAM	19.63	0.092		
		1715.00 - 1775.00	10	QPSK	24.17	0.261	26.54	0.451
				16QAM	23.46	0.222	25.49	0.354
				64QAM	22.51	0.178		
				256QAM	19.40	0.087		
		1712.50 - 1777.50	5	QPSK	24.15	0.260	26.52	0.449
				16QAM	23.52	0.225	24.69	0.294
				64QAM	22.71	0.187		
				256QAM	19.33	0.086		
		1711.50 - 1778.50	3	QPSK	24.18	0.262	26.54	0.451
				16QAM	23.52	0.225	25.55	0.359
				64QAM	22.51	0.178		
				256QAM	19.45	0.088		
		1710.70 - 1779.30	1.4	QPSK	24.14	0.259	26.51	0.448
				16QAM	23.49	0.223	25.52	0.356
				64QAM	22.48	0.177		
				256QAM	19.46	0.088		
Band 66	F	1720.00 - 1770.00	20	QPSK	24.48	0.281	25.48	0.353
				16QAM	23.82	0.241	24.54	0.284
				64QAM	22.72	0.187		
				256QAM	19.75	0.094		
		1717.50 - 1772.50	15	QPSK	24.62	0.290	25.52	0.356
				16QAM	23.76	0.238	24.52	0.283
				64QAM	22.92	0.196		
				256QAM	19.84	0.096		
		1715.00 - 1775.00	10	QPSK	24.40	0.275	25.35	0.343
				16QAM	23.76	0.238	24.50	0.282
				64QAM	22.76	0.189		
				256QAM	19.75	0.094		
		1712.50 - 1777.50	5	QPSK	24.44	0.278	25.53	0.357
				16QAM	23.66	0.232	24.56	0.286
				64QAM	22.75	0.188		
				256QAM	19.85	0.097		
		1711.50 - 1778.50	3	QPSK	24.32	0.270	25.33	0.341
				16QAM	23.64	0.231	24.49	0.281
				64QAM	22.63	0.183		
				256QAM	19.72	0.094		
		1710.70 - 1779.30	1.4	QPSK	24.36	0.273	25.40	0.347
				16QAM	23.50	0.224	24.32	0.270
				64QAM	22.71	0.187		
				256QAM	19.61	0.091		

LTE Band 71

FCC Part 27								
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted Power		ERP	
					Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
Band 71	A	673.00 - 688.00	20	QPSK	24.56	0.286	18.88	0.077
				16QAM	23.94	0.248	17.90	0.062
				64QAM	22.95	0.197		
				256QAM	19.75	0.094		
		670.50 - 690.50	15	QPSK	24.51	0.282	18.83	0.076
				16QAM	23.67	0.233	17.68	0.059
				64QAM	22.89	0.195		
				256QAM	19.75	0.094		
		668.00 - 693.00	10	QPSK	24.64	0.291	18.67	0.074
				16QAM	24.02	0.252	18.16	0.065
				64QAM	23.21	0.209		
				256QAM	19.80	0.095		
		665.50 - 695.50	5	QPSK	24.71	0.296	18.86	0.077
				16QAM	24.14	0.259	18.33	0.068
				64QAM	22.94	0.197		
				256QAM	19.90	0.098		
Band 71	E	673.00 - 688.00	20	QPSK	25.15	0.327	20.76	0.119
				16QAM	24.45	0.279	19.98	0.100
				64QAM	23.44	0.221		
				256QAM	20.29	0.107		
		670.50 - 690.50	15	QPSK	25.23	0.333	20.84	0.121
				16QAM	24.50	0.282	20.19	0.104
				64QAM	23.50	0.224		
				256QAM	20.48	0.112		
		668.00 - 693.00	10	QPSK	25.35	0.343	20.95	0.124
				16QAM	24.29	0.269	19.98	0.100
				64QAM	23.39	0.218		
				256QAM	20.47	0.111		
		665.50 - 695.50	5	QPSK	25.29	0.338	20.90	0.123
				16QAM	24.48	0.281	20.17	0.104
				64QAM	23.44	0.221		
				256QAM	20.45	0.111		

NR Band n7

FCC Part 27									
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted Power		EIRP	
						Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
n7	B	2520.00 - 2550.00	40	DFT-s OFDM	$\pi/2$ BPSK	23.45	0.221		
					QPSK	23.51	0.224	22.40	0.174
					16QAM	22.47	0.177	21.41	0.138
					64QAM	21.04	0.127		
					256QAM	18.57	0.072		
				CP-OFDM	QPSK	21.84	0.153		
					16QAM	21.17	0.131		
					64QAM	19.32	0.085		
					256QAM	16.88	0.049		
		2517.50 - 2552.50	35	DFT-s OFDM	$\pi/2$ BPSK	23.47	0.222		
					QPSK	23.49	0.223	22.37	0.173
					16QAM	22.52	0.179	21.36	0.137
					64QAM	21.02	0.126		
					256QAM	18.52	0.071		
				CP-OFDM	QPSK	22.07	0.161		
		2515.00 - 2555.00	30	DFT-s OFDM	$\pi/2$ BPSK	23.47	0.222		
					QPSK	23.50	0.224	22.32	0.171
					16QAM	22.59	0.182	21.25	0.133
					64QAM	21.03	0.127		
					256QAM	18.52	0.071		
				CP-OFDM	QPSK	22.09	0.162		
		2512.50 - 2557.50	25	DFT-s OFDM	$\pi/2$ BPSK	23.50	0.224		
					QPSK	23.53	0.225	22.25	0.168
					16QAM	22.58	0.181	21.24	0.133
					64QAM	21.02	0.126		
					256QAM	18.45	0.070		
				CP-OFDM	QPSK	22.01	0.159		
		2510.00 - 2560.00	20	DFT-s OFDM	$\pi/2$ BPSK	23.41	0.219		
					QPSK	23.44	0.221	22.21	0.166
					16QAM	22.47	0.177	21.27	0.134
					64QAM	20.98	0.125		
					256QAM	18.38	0.069		
				CP-OFDM	QPSK	22.05	0.160		
		2507.50 - 2562.50	15	DFT-s OFDM	$\pi/2$ BPSK	23.46	0.222		
					QPSK	23.44	0.221	22.24	0.167
					16QAM	22.50	0.178	21.22	0.132
					64QAM	20.99	0.126		
					256QAM	18.42	0.070		
				CP-OFDM	QPSK	22.01	0.159		
		2505.00 - 2565.00	10	DFT-s OFDM	$\pi/2$ BPSK	23.47	0.222		
					QPSK	23.50	0.224	22.22	0.167
					16QAM	22.45	0.176	21.20	0.132
					64QAM	20.93	0.124		
					256QAM	18.35	0.068		
				CP-OFDM	QPSK	22.05	0.160		
		2502.50 - 2567.50	5	DFT-s OFDM	$\pi/2$ BPSK	23.53	0.225		
					QPSK	23.52	0.225	22.24	0.167
					16QAM	22.59	0.182	21.51	0.142
					64QAM	21.09	0.129		
					256QAM	18.41	0.069		
				CP-OFDM	QPSK	22.18	0.165		

FCC Part 27												
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted Power		EIRP				
						Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]			
n7	F	2520.00 - 2550.00	40	DFT-s OFDM	π/2 BPSK	23.65	0.232	22.37	0.173			
					QPSK	23.66	0.232					
					16QAM	22.71	0.187	21.49	0.141			
					64QAM	21.23	0.133					
				CP-OFDM	256QAM	18.65	0.073					
					QPSK	22.05	0.160					
					16QAM	21.65	0.146					
					64QAM	20.10	0.102					
		2517.50 - 2552.50	35	DFT-s OFDM	256QAM	17.41	0.055					
					π/2 BPSK	23.67	0.233	22.43	0.175			
					QPSK	23.70	0.234					
					16QAM	22.68	0.185	21.49	0.141			
				CP-OFDM	64QAM	21.28	0.134					
					256QAM	18.65	0.073					
					QPSK	22.31	0.170					
					2515.00 - 2555.00	30	DFT-s OFDM	π/2 BPSK	23.78	0.239	22.50	0.178
		QPSK	23.77	0.238								
		16QAM	22.71	0.187				21.52	0.142			
		64QAM	21.34	0.136								
		CP-OFDM	256QAM	18.74			0.075					
			QPSK	22.28			0.169					
			2512.50 - 2557.50	25			DFT-s OFDM	QPSK	22.28	0.169		
								π/2 BPSK	23.76	0.238	22.49	0.177
		QPSK			23.77	0.238						
		16QAM			22.74	0.188		21.46	0.140			
		CP-OFDM			64QAM	21.36	0.137					
					256QAM	18.69	0.074					
					QPSK	22.31	0.170					
					2510.00 - 2560.00	20	DFT-s OFDM	π/2 BPSK	23.71	0.235	22.43	0.175
		QPSK	23.73	0.236								
		16QAM	22.64	0.184				21.45	0.140			
		64QAM	21.33	0.136								
		CP-OFDM	256QAM	18.60			0.072					
			QPSK	22.33			0.171					
			2507.50 - 2562.50	15			DFT-s OFDM	QPSK	22.33	0.171		
								π/2 BPSK	23.82	0.241	22.49	0.177
		QPSK			23.79	0.239						
		16QAM			22.70	0.186		21.51	0.142			
		CP-OFDM			64QAM	21.33	0.136					
					256QAM	18.66	0.073					
					QPSK	22.42	0.175					
					2505.00 - 2565.00	10	DFT-s OFDM	QPSK	22.42	0.175		
		π/2 BPSK	23.67	0.233				22.56	0.180			
		QPSK	23.83	0.242								
		16QAM	22.74	0.188				21.55	0.143			
		CP-OFDM	64QAM	21.34			0.136					
			256QAM	18.59			0.072					
			QPSK	22.31			0.170					
			2502.50 - 2567.50	5			DFT-s OFDM	QPSK	22.31	0.170		
		π/2 BPSK			23.85	0.243		22.50	0.178			
		QPSK			23.77	0.238						
		16QAM			22.77	0.189		21.58	0.144			
CP-OFDM	64QAM	21.34			0.136							
	256QAM	18.66			0.073							
	QPSK	22.42			0.175							

NR Band n12

FCC Part 27									
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted Power		ERP	
						Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
n12	A	706.50 - 708.50	15	DFT-s OFDM	$\pi/2$ BPSK	24.53	0.284		
					QPSK	24.57	0.286	17.84	0.061
					16QAM	23.38	0.218	16.79	0.048
					64QAM	22.12	0.163		
				CP-OFDM	256QAM	19.45	0.088		
					QPSK	23.01	0.200		
					16QAM	22.69	0.186		
					64QAM	21.26	0.134		
		704.00 - 711.00	10	DFT-s OFDM	256QAM	18.19	0.066		
					$\pi/2$ BPSK	24.51	0.282		
					QPSK	24.51	0.282	17.72	0.059
					16QAM	23.42	0.220	16.75	0.047
				CP-OFDM	64QAM	22.18	0.165		
					256QAM	19.46	0.088		
					QPSK	23.09	0.204		
					$\pi/2$ BPSK	24.61	0.289		
		701.50 - 713.50	5	DFT-s OFDM	QPSK	24.62	0.290	17.75	0.060
					16QAM	23.46	0.222	16.69	0.047
					64QAM	22.19	0.166		
					256QAM	19.53	0.090		
				CP-OFDM	QPSK	23.16	0.207		
n12	E	706.50 - 708.50	15	DFT-s OFDM	$\pi/2$ BPSK	25.30	0.339	20.24	0.106
					QPSK	25.28	0.337		
					16QAM	24.11	0.258	19.07	0.081
					64QAM	22.83	0.192		
				CP-OFDM	256QAM	20.12	0.103		
					QPSK	23.57	0.227		
					16QAM	22.90	0.195		
					64QAM	21.49	0.141		
		704.00 - 711.00	10	DFT-s OFDM	256QAM	18.49	0.071		
					$\pi/2$ BPSK	25.33	0.341	20.40	0.110
					QPSK	25.29	0.338		
					16QAM	24.17	0.261	19.21	0.083
				CP-OFDM	64QAM	22.81	0.191		
					256QAM	20.20	0.105		
					QPSK	23.77	0.238		
		701.50 - 713.50	5	DFT-s OFDM	$\pi/2$ BPSK	25.32	0.340	20.34	0.108
					QPSK	25.30	0.339		
					16QAM	24.19	0.262	19.10	0.081
					64QAM	22.85	0.193		
				CP-OFDM	256QAM	20.21	0.105		
					QPSK	23.79	0.239		

NR Band n30

FCC Part 27									
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted Power		EIRP	
						Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
n30	A	2310	10	DFT-s OFDM	$\pi/2$ BPSK	22.41	0.174		
					QPSK	22.45	0.176	20.06	0.101
					16QAM	21.47	0.140	18.86	0.077
					64QAM	20.03	0.101		
				256QAM	17.36	0.054			
				16QAM	19.66	0.092			
				64QAM	18.23	0.067			
				256QAM	15.25	0.034			
		QPSK	22.48	0.177	19.65	0.092			
		16QAM	21.56	0.143	18.78	0.075			
		64QAM	20.10	0.102					
		256QAM	17.41	0.055					
CP-OFDM	QPSK	21.05	0.127						
n30	F	2310	10	DFT-s OFDM	$\pi/2$ BPSK	23.27	0.212		
					QPSK	23.28	0.213	21.28	0.134
					16QAM	22.04	0.160	20.27	0.106
					64QAM	20.85	0.122		
				256QAM	18.14	0.065			
				16QAM	21.11	0.129			
				64QAM	19.53	0.090			
				256QAM	16.56	0.045			
		QPSK	23.29	0.213	21.39	0.138			
		16QAM	22.12	0.163	20.37	0.109			
		64QAM	20.93	0.124					
		256QAM	18.22	0.066					
		CP-OFDM	QPSK	21.94	0.156				

NR Band n41 (PC2, ANT B)

FCC Part 27									
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted Power		EIRP	
						Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
n41	B	2546.01 - 2640.00	100	DFT-s OFDM	$\pi/2$ BPSK	26.41	0.437		
					QPSK	26.24	0.420	24.66	0.292
					16QAM	25.31	0.339	23.65	0.232
					64QAM	23.56	0.227		
					256QAM	21.90	0.155		
				CP-OFDM	QPSK	24.92	0.310		
					16QAM	24.53	0.284		
					64QAM	22.49	0.177		
					256QAM	19.86	0.097		
		2541.00 - 2644.98	90	DFT-s OFDM	$\pi/2$ BPSK	26.25	0.421		
					QPSK	26.41	0.438	24.65	0.292
					16QAM	25.02	0.317	23.57	0.228
					64QAM	23.82	0.241		
					256QAM	21.67	0.147		
				CP-OFDM	QPSK	25.09	0.323		
		2536.02 - 2649.99	80	DFT-s OFDM	$\pi/2$ BPSK	26.19	0.416		
					QPSK	26.18	0.415	24.54	0.284
					16QAM	24.94	0.312	23.55	0.226
					64QAM	23.75	0.237		
					256QAM	21.60	0.144		
				CP-OFDM	QPSK	24.82	0.303		
		2531.02 - 2654.98	70	DFT-s OFDM	$\pi/2$ BPSK	26.17	0.414		
					QPSK	26.13	0.410	24.63	0.290
					16QAM	25.01	0.317	23.50	0.224
					64QAM	23.65	0.232		
					256QAM	21.42	0.139		
				CP-OFDM	QPSK	24.81	0.302		
		2526.00 - 2659.98	60	DFT-s OFDM	$\pi/2$ BPSK	25.98	0.396		
					QPSK	26.07	0.404	24.50	0.282
					16QAM	24.76	0.299	23.53	0.225
					64QAM	23.55	0.226		
					256QAM	21.37	0.137		
				CP-OFDM	QPSK	24.73	0.297		
		2521.01 - 2665.00	50	DFT-s OFDM	$\pi/2$ BPSK	26.20	0.416		
					QPSK	26.20	0.416	24.81	0.303
					16QAM	25.02	0.317	23.80	0.240
					64QAM	23.44	0.221		
					256QAM	21.42	0.139		
				CP-OFDM	QPSK	24.72	0.296		
		2516.01 - 2670.00	40	DFT-s OFDM	$\pi/2$ BPSK	26.07	0.404		
					QPSK	26.08	0.405	24.61	0.289
					16QAM	24.81	0.302	23.67	0.233
					64QAM	23.11	0.204		
					256QAM	21.28	0.134		
				CP-OFDM	QPSK	24.59	0.287		
		2511.00 - 2675.00	30	DFT-s OFDM	$\pi/2$ BPSK	26.16	0.413		
					QPSK	26.20	0.416	24.66	0.292
					16QAM	24.99	0.315	23.63	0.231
					64QAM	23.30	0.214		
					256QAM	21.36	0.137		
				CP-OFDM	QPSK	24.66	0.292		
		2508.51 - 2677.50	25	DFT-s OFDM	$\pi/2$ BPSK	26.20	0.416		
					QPSK	26.20	0.416	24.74	0.298
					16QAM	25.14	0.326	23.63	0.231
					64QAM	23.33	0.215		
					256QAM	21.43	0.139		
				CP-OFDM	QPSK	24.72	0.296		
		2506.02 - 2679.99	20	DFT-s OFDM	$\pi/2$ BPSK	26.11	0.408		
					QPSK	26.12	0.409	24.61	0.289
					16QAM	25.04	0.319	23.75	0.237
					64QAM	23.02	0.200		
					256QAM	21.10	0.129		
				CP-OFDM	QPSK	24.33	0.271		
		2503.50 - 2682.48	15	DFT-s OFDM	$\pi/2$ BPSK	26.22	0.418		
					QPSK	26.15	0.412	24.63	0.290
					16QAM	25.04	0.319	23.80	0.240
					64QAM	22.99	0.199		
					256QAM	21.20	0.132		
				CP-OFDM	QPSK	24.38	0.274		
		2501.01 - 2685.00	10	DFT-s OFDM	$\pi/2$ BPSK	26.04	0.401		
					QPSK	26.04	0.401	25.39	0.346
					16QAM	24.99	0.315	24.35	0.272
					64QAM	23.05	0.202		
					256QAM	21.13	0.130		
				CP-OFDM	QPSK	24.45	0.278		

NR Band n41 (PC2, SRS2, ANT F)

FCC Part 27							
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Conducted Power		EIRP	
				Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
n41	F	2546.01 - 2640.00	100	21.71	0.148		
		2541.00 - 2644.98	90	22.31	0.170	20.42	0.110
		2536.02 - 2649.99	80	22.08	0.161		
		2531.02 - 2654.98	70	21.95	0.157		
		2526.00 - 2659.98	60	21.71	0.148		
		2521.01 - 2665.00	50	21.69	0.148		
		2516.01 - 2670.00	40	21.31	0.135		
		2511.00 - 2675.00	30	21.43	0.139		
		2508.51 - 2677.50	25	21.54	0.143		
		2506.02 - 2679.99	20	21.40	0.138		
		2503.50 - 2682.48	15	21.53	0.142		
		2501.01 - 2685.00	10	21.86	0.153		

NR Band n41 (PC2, SRS3, ANT D)

FCC Part 27							
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Conducted Power		EIRP	
				Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
n41	D	2546.01 - 2640.00	100	21.52	0.142	16.00	0.040
		2541.00 - 2644.98	90	21.38	0.137		
		2536.02 - 2649.99	80	21.25	0.133		
		2531.02 - 2654.98	70	21.21	0.132		
		2526.00 - 2659.98	60	21.22	0.132		
		2521.01 - 2665.00	50	21.40	0.138		
		2516.01 - 2670.00	40	21.39	0.138		
		2511.00 - 2675.00	30	21.39	0.138		
		2508.51 - 2677.50	25	21.34	0.136		
		2506.02 - 2679.99	20	21.34	0.136		
		2503.50 - 2682.48	15	21.37	0.137		
		2501.01 - 2685.00	10	21.31	0.135		

NR Band n41 (PC2, SRS4, ANT E)

FCC Part 27							
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Conducted Power		EIRP	
				Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
n41	E	2546.01 - 2640.00	100	17.82	0.061	13.38	0.022
		2541.00 - 2644.98	90	17.71	0.059		
		2536.02 - 2649.99	80	17.74	0.059		
		2531.02 - 2654.98	70	17.72	0.059		
		2526.00 - 2659.98	60	17.65	0.058		
		2521.01 - 2665.00	50	17.55	0.057		
		2516.01 - 2670.00	40	17.41	0.055		
		2511.00 - 2675.00	30	17.59	0.057		
		2508.51 - 2677.50	25	17.61	0.058		
		2506.02 - 2679.99	20	17.12	0.052		
		2503.50 - 2682.48	15	17.65	0.058		
		2501.01 - 2685.00	10	17.56	0.057		

NR Band n41 (PC2, ANT F)

FCC Part 27												
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted Power		EIRP				
						Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]			
n41	F	2546.01 - 2640.00	100	DFT-s OFDM	π/2 BPSK	25.98	0.396					
					QPSK	26.01	0.399	25.68	0.370			
					16QAM	25.26	0.335	24.69	0.294			
					64QAM	23.16	0.207					
					256QAM	21.29	0.134					
				CP-OFDM	QPSK	24.59	0.287					
					16QAM	24.25	0.266					
					64QAM	22.36	0.172					
					256QAM	19.41	0.087					
		2541.00 - 2644.98	90	DFT-s OFDM	π/2 BPSK	26.17	0.414					
					QPSK	26.15	0.412	25.77	0.378			
					16QAM	25.18	0.329	24.70	0.295			
					64QAM	23.26	0.212					
					256QAM	21.34	0.136					
				CP-OFDM	QPSK	24.73	0.297					
					2536.02 - 2649.99	80	DFT-s OFDM	π/2 BPSK	26.11	0.408		
								QPSK	26.05	0.402	25.68	0.370
								16QAM	25.02	0.317	24.67	0.293
		64QAM	23.25	0.211								
		256QAM	21.30	0.135								
		CP-OFDM	QPSK	24.69			0.294					
			2531.02 - 2654.98	70			DFT-s OFDM	π/2 BPSK	25.92	0.390		
								QPSK	25.98	0.396	25.45	0.351
								16QAM	25.05	0.320	24.55	0.285
		64QAM			23.01	0.200						
		256QAM			21.06	0.128						
		CP-OFDM			QPSK	24.44	0.278					
					2526.00 - 2659.98	60	DFT-s OFDM	π/2 BPSK	25.91	0.390		
								QPSK	25.93	0.391	25.54	0.358
								16QAM	24.75	0.298	24.48	0.281
		64QAM	22.93	0.196								
		256QAM	21.04	0.127								
		CP-OFDM	QPSK	24.38			0.274					
			2521.01 - 2665.00	50			DFT-s OFDM	π/2 BPSK	26.25	0.421		
								QPSK	26.28	0.424	25.84	0.384
								16QAM	25.07	0.321	24.67	0.293
		64QAM			23.22	0.210						
		256QAM			21.28	0.134						
		CP-OFDM			QPSK	24.59	0.287					
					2516.01 - 2670.00	40	DFT-s OFDM	π/2 BPSK	26.02	0.400		
								QPSK	26.03	0.400	25.51	0.356
								16QAM	25.10	0.323	24.58	0.287
		64QAM	23.04	0.201								
		256QAM	21.05	0.127								
		CP-OFDM	QPSK	24.51			0.282					
			2511.00 - 2675.00	30			DFT-s OFDM	π/2 BPSK	26.19	0.416		
								QPSK	26.22	0.418	25.80	0.380
								16QAM	25.24	0.334	24.56	0.286
		64QAM			23.13	0.205						
		256QAM			21.20	0.132						
		CP-OFDM			QPSK	24.63	0.290					
					2508.51 - 2677.50	25	DFT-s OFDM	π/2 BPSK	26.10	0.407		
								QPSK	26.12	0.409	25.72	0.373
								16QAM	25.15	0.327	24.55	0.285
		64QAM	23.20	0.209								
		256QAM	21.27	0.134								
		CP-OFDM	QPSK	24.50			0.282					
			2506.02 - 2679.99	20			DFT-s OFDM	π/2 BPSK	26.03	0.400		
								QPSK	26.13	0.410	25.65	0.367
								16QAM	25.09	0.323	24.53	0.284
		64QAM			23.03	0.201						
		256QAM			21.24	0.133						
		CP-OFDM			QPSK	24.58	0.287					
					2503.50 - 2682.48	15	DFT-s OFDM	π/2 BPSK	26.10	0.407		
								QPSK	26.20	0.416	25.66	0.368
								16QAM	25.08	0.322	24.60	0.288
		64QAM	23.14	0.206								
		256QAM	21.18	0.131								
		CP-OFDM	QPSK	24.50			0.282					
			2501.01 - 2685.00	10			DFT-s OFDM	π/2 BPSK	26.17	0.414		
								QPSK	26.17	0.414	25.83	0.383
								16QAM	25.17	0.329	24.86	0.306
		64QAM			23.12	0.205						
		256QAM			21.23	0.133						
		CP-OFDM			QPSK	24.55	0.285					

NR Band n41 (PC2, SRS2, ANT B)

FCC Part 27							
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Conducted Power		EIRP	
				Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
n41	B	2546.01 - 2640.00	100	22.06	0.161		
		2541.00 - 2644.98	90	22.14	0.164	19.99	0.100
		2536.02 - 2649.99	80	22.02	0.159		
		2531.02 - 2654.98	70	21.89	0.155		
		2526.00 - 2659.98	60	21.98	0.158		
		2521.01 - 2665.00	50	22.11	0.163		
		2516.01 - 2670.00	40	22.01	0.159		
		2511.00 - 2675.00	30	22.06	0.161		
		2508.51 - 2677.50	25	22.13	0.163		
		2506.02 - 2679.99	20	22.04	0.160		
		2503.50 - 2682.48	15	22.06	0.161		
		2501.01 - 2685.00	10	22.06	0.161		

NR Band n41 (PC2, SRS3, ANT E)

FCC Part 27							
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Conducted Power		EIRP	
				Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
n41	E	2546.01 - 2640.00	100	21.32	0.136		
		2541.00 - 2644.98	90	21.16	0.131		
		2536.02 - 2649.99	80	21.13	0.130		
		2531.02 - 2654.98	70	21.16	0.131		
		2526.00 - 2659.98	60	21.11	0.129		
		2521.01 - 2665.00	50	21.31	0.135		
		2516.01 - 2670.00	40	21.11	0.129		
		2511.00 - 2675.00	30	21.34	0.136	16.72	0.047
		2508.51 - 2677.50	25	21.31	0.135		
		2506.02 - 2679.99	20	21.24	0.133		
		2503.50 - 2682.48	15	21.32	0.136		
		2501.01 - 2685.00	10	21.31	0.135		

NR Band n41 (PC2, SRS4, ANT D)

FCC Part 27							
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Conducted Power		EIRP	
				Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
n41	D	2546.01 - 2640.00	100	21.74	0.149		
		2541.00 - 2644.98	90	21.72	0.149		
		2536.02 - 2649.99	80	21.68	0.147		
		2531.02 - 2654.98	70	21.55	0.143		
		2526.00 - 2659.98	60	21.54	0.143		
		2521.01 - 2665.00	50	21.77	0.150		
		2516.01 - 2670.00	40	21.63	0.146		
		2511.00 - 2675.00	30	21.79	0.151		
		2508.51 - 2677.50	25	21.80	0.151	17.58	0.057
		2506.02 - 2679.99	20	20.96	0.125		
		2503.50 - 2682.48	15	21.78	0.151		
		2501.01 - 2685.00	10	21.70	0.148		

NR Band n66

FCC Part 27									
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted Power		EIRP	
						Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
n66	A	1730.00 ~ 1760.00	40	DFT-s OFDM	$\pi/2$ BPSK	24.57	0.286		
					QPSK	24.60	0.288	26.45	0.442
					16QAM	23.58	0.228	25.47	0.352
					64QAM	21.97	0.157		
					256QAM	19.39	0.087		
				CP-OFDM	QPSK	23.01	0.200		
					16QAM	22.03	0.160		
					64QAM	20.92	0.124		
					256QAM	17.78	0.060		
		1725.00 ~ 1765.00	30	DFT-s OFDM	$\pi/2$ BPSK	24.67	0.293		
					QPSK	23.53	0.225	26.54	0.451
					16QAM	23.53	0.225	25.42	0.348
					64QAM	22.09	0.162		
					256QAM	19.53	0.090		
				CP-OFDM	QPSK	23.05	0.202		
		1722.50 ~ 1767.50	25	DFT-s OFDM	$\pi/2$ BPSK	24.69	0.294		
					QPSK	24.75	0.299	26.63	0.460
					16QAM	23.54	0.226	25.42	0.348
					64QAM	22.13	0.163		
					256QAM	19.55	0.090		
				CP-OFDM	QPSK	23.14	0.206		
		1720.00 ~ 1770.00	20	DFT-s OFDM	$\pi/2$ BPSK	24.58	0.287		
					QPSK	24.55	0.285	26.43	0.440
					16QAM	23.56	0.227	25.45	0.351
					64QAM	21.80	0.151		
					256QAM	19.40	0.087		
				CP-OFDM	QPSK	22.65	0.184		
		1717.50 ~ 1772.50	15	DFT-s OFDM	$\pi/2$ BPSK	24.63	0.290		
					QPSK	24.58	0.287	26.46	0.443
					16QAM	23.61	0.230	25.47	0.352
					64QAM	22.01	0.159		
					256QAM	19.51	0.089		
				CP-OFDM	QPSK	23.17	0.207		
		1715.00 ~ 1775.00	10	DFT-s OFDM	$\pi/2$ BPSK	24.60	0.288		
					QPSK	24.65	0.292	26.53	0.450
					16QAM	23.51	0.224	25.40	0.347
					64QAM	22.06	0.161		
					256QAM	19.43	0.088		
				CP-OFDM	QPSK	23.11	0.205		
		1712.50 ~ 1777.50	5	DFT-s OFDM	$\pi/2$ BPSK	24.69	0.294		
					QPSK	24.69	0.294	26.57	0.454
					16QAM	23.61	0.230	25.50	0.355
					64QAM	22.17	0.165		
					256QAM	19.56	0.090		
				CP-OFDM	QPSK	23.26	0.212		

FCC Part 27									
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted Power		EIRP	
						Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
n66	F	1730.00 ~ 1760.00	40	DFT-s OFDM	$\pi/2$ BPSK	24.06	0.255		
					QPSK	24.17	0.261	25.86	0.385
					16QAM	23.07	0.203	24.83	0.304
					64QAM	21.60	0.145		
				CP-OFDM	256QAM	18.88	0.077		
					QPSK	22.77	0.189		
					16QAM	22.15	0.164		
					64QAM	20.66	0.116		
		1725.00 ~ 1765.00	30	DFT-s OFDM	256QAM	17.80	0.060		
					$\pi/2$ BPSK	24.22	0.264		
					QPSK	24.23	0.265	25.66	0.368
					16QAM	22.91	0.195	24.71	0.296
				CP-OFDM	64QAM	21.67	0.147		
					256QAM	19.12	0.082		
					QPSK	22.71	0.187		
		1722.50 ~ 1767.50	25	DFT-s OFDM	$\pi/2$ BPSK	24.19	0.262		
					QPSK	24.18	0.262	25.76	0.377
					16QAM	22.96	0.198	24.54	0.284
					64QAM	21.61	0.145		
				CP-OFDM	256QAM	19.18	0.083		
					QPSK	22.45	0.176		
		1720.00 ~ 1770.00	20	DFT-s OFDM	$\pi/2$ BPSK	24.12	0.258		
					QPSK	24.13	0.259	25.71	0.372
					16QAM	22.87	0.194	24.51	0.282
					64QAM	21.62	0.145		
				CP-OFDM	256QAM	18.93	0.078		
					QPSK	22.75	0.188		
		1717.50 ~ 1772.50	15	DFT-s OFDM	$\pi/2$ BPSK	24.09	0.256		
					QPSK	24.17	0.261	25.75	0.376
					16QAM	22.93	0.196	24.53	0.284
					64QAM	21.77	0.150		
				CP-OFDM	256QAM	19.15	0.082		
					QPSK	22.73	0.187		
		1715.00 ~ 1775.00	10	DFT-s OFDM	$\pi/2$ BPSK	23.99	0.251		
					QPSK	24.13	0.259	25.71	0.372
					16QAM	22.97	0.198	24.55	0.285
					64QAM	21.71	0.148		
				CP-OFDM	256QAM	19.01	0.080		
					QPSK	22.54	0.179		
		1712.50 ~ 1777.50	5	DFT-s OFDM	$\pi/2$ BPSK	23.93	0.247		
					QPSK	24.18	0.262	25.76	0.377
					16QAM	23.05	0.202	24.63	0.290
					64QAM	21.70	0.148		
				CP-OFDM	256QAM	19.07	0.081		
					QPSK	22.44	0.175		

NR Band n70

FCC Part 27									
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted Power		EIRP	
						Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
n70	A	1702.5	15	DFT-s OFDM	$\pi/2$ BPSK	24.54	0.284		
					QPSK	24.56	0.286	25.24	0.334
					16QAM	23.41	0.219	24.27	0.267
					64QAM	21.56	0.143		
					256QAM	18.98	0.079		
				CP-OFDM	QPSK	22.71	0.187		
					16QAM	22.11	0.163		
					64QAM	19.98	0.100		
					256QAM	17.38	0.055		
		1700.00 - 1705.00	10	DFT-s OFDM	$\pi/2$ BPSK	24.45	0.279		
					QPSK	24.47	0.280	25.55	0.359
					16QAM	23.35	0.216	24.71	0.296
					64QAM	21.80	0.151		
					256QAM	19.17	0.083		
				CP-OFDM	QPSK	22.65	0.184		
		1697.50 - 1707.50	5	DFT-s OFDM	$\pi/2$ BPSK	24.51	0.282	25.65	0.367
					16QAM	23.34	0.216	24.62	0.289
					64QAM	21.98	0.158		
					256QAM	19.25	0.084		
				CP-OFDM	QPSK	23.00	0.200		
n70	F	1702.5	15	DFT-s OFDM	$\pi/2$ BPSK	24.62	0.290		
					QPSK	24.63	0.290	25.41	0.348
					16QAM	23.31	0.214	24.53	0.284
					64QAM	21.92	0.156		
					256QAM	19.26	0.084		
				CP-OFDM	QPSK	22.87	0.194		
					16QAM	22.18	0.165		
					64QAM	20.50	0.112		
					256QAM	17.58	0.057		
		1700.00 - 1705.00	10	DFT-s OFDM	$\pi/2$ BPSK	24.43	0.277		
					QPSK	24.54	0.284	25.50	0.355
					16QAM	23.42	0.220	24.56	0.286
					64QAM	21.85	0.153		
					256QAM	19.10	0.081		
				CP-OFDM	QPSK	22.80	0.191		
		1697.50 - 1707.50	5	DFT-s OFDM	$\pi/2$ BPSK	24.55	0.285		
					QPSK	24.49	0.281	25.37	0.344
					16QAM	23.40	0.219	24.42	0.277
					64QAM	22.05	0.160		
					256QAM	19.32	0.086		
				CP-OFDM	QPSK	22.94	0.197		

NR Band n71

FCC Part 27									
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted Power		ERP	
						Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
n71	A	673.00 - 688.00	20	DFT-s OFDM	$\pi/2$ BPSK	24.53	0.284		
					QPSK	24.57	0.286	18.11	0.065
					16QAM	23.49	0.223	16.93	0.049
					64QAM	22.06	0.161		
					256QAM	19.31	0.085		
				CP-OFDM	QPSK	22.71	0.186		
					16QAM	22.11	0.162		
					64QAM	20.27	0.106		
					256QAM	17.54	0.057		
		670.50 - 690.50	15	DFT-s OFDM	$\pi/2$ BPSK	24.50	0.282		
					QPSK	24.53	0.284	18.00	0.063
					16QAM	23.52	0.225	16.90	0.049
					64QAM	22.01	0.159		
					256QAM	19.67	0.093		
				CP-OFDM	QPSK	23.12	0.205		
		668.00 - 693.00	10	DFT-s OFDM	$\pi/2$ BPSK	24.39	0.275		
					QPSK	24.47	0.280	18.01	0.063
					16QAM	23.39	0.218	16.83	0.048
					64QAM	21.96	0.157		
					256QAM	19.32	0.086		
				CP-OFDM	QPSK	23.00	0.200		
		665.50 - 695.50	5	DFT-s OFDM	$\pi/2$ BPSK	24.64	0.291		
					QPSK	24.68	0.294	18.22	0.066
					16QAM	23.58	0.228	17.02	0.050
					64QAM	22.21	0.166		
					256QAM	19.58	0.091		
				CP-OFDM	QPSK	23.27	0.212		
n71	E	673.00 - 688.00	20	DFT-s OFDM	$\pi/2$ BPSK	24.77	0.300		
					QPSK	24.81	0.303	19.81	0.096
					16QAM	23.71	0.235	18.63	0.073
					64QAM	22.30	0.170		
					256QAM	19.59	0.091		
				CP-OFDM	QPSK	23.20	0.209		
					16QAM	22.54	0.179		
					64QAM	20.59	0.114		
					256QAM	18.17	0.066		
		670.50 - 690.50	15	DFT-s OFDM	$\pi/2$ BPSK	24.80	0.302		
					QPSK	24.84	0.305	19.84	0.096
					16QAM	23.74	0.237	18.72	0.074
					64QAM	22.34	0.171		
					256QAM	19.96	0.099		
				CP-OFDM	QPSK	23.36	0.217		
		668.00 - 693.00	10	DFT-s OFDM	$\pi/2$ BPSK	24.72	0.296		
					QPSK	24.76	0.299	19.76	0.095
					16QAM	23.66	0.232	18.64	0.073
					64QAM	22.22	0.167		
					256QAM	19.63	0.092		
				CP-OFDM	QPSK	23.29	0.213		
		665.50 - 695.50	5	DFT-s OFDM	$\pi/2$ BPSK	24.92	0.310		
					QPSK	24.96	0.313	19.95	0.099
					16QAM	23.89	0.245	18.79	0.076
					64QAM	22.46	0.176		
					256QAM	19.85	0.097		
				CP-OFDM	QPSK	23.54	0.226		

NR Band n77(PC2, 3450-3550 MHz)

FCC Part 27									
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted Power		EIRP	
						Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
n77	F	3499.98	100	DFT-s OFDM	$\pi/2$ BPSK	25.12	0.325		
					QPSK	25.18	0.330	26.32	0.429
					16QAM	24.00	0.251	25.33	0.341
					64QAM	22.19	0.166		
					256QAM	20.43	0.110		
				CP-OFDM	QPSK	23.82	0.241		
					16QAM	23.22	0.210		
					64QAM	21.23	0.133		
					256QAM	18.44	0.070		
		3495.00 - 3504.99	90	DFT-s OFDM	$\pi/2$ BPSK	25.15	0.327		
					QPSK	25.11	0.324	25.75	0.376
					16QAM	24.09	0.256	24.78	0.301
					64QAM	22.35	0.172		
					256QAM	20.41	0.110		
				CP-OFDM	QPSK	23.82	0.241		
		3490.02 - 3510.00	80	DFT-s OFDM	$\pi/2$ BPSK	25.16	0.328		
					QPSK	25.15	0.327	25.74	0.375
					16QAM	24.02	0.252	24.84	0.305
					64QAM	22.23	0.167		
					256QAM	20.35	0.108		
				CP-OFDM	QPSK	23.65	0.232		
		3485.01 - 3514.98	70	DFT-s OFDM	$\pi/2$ BPSK	25.07	0.321		
					QPSK	25.11	0.324	25.66	0.368
					16QAM	23.96	0.249	24.77	0.300
					64QAM	22.13	0.163		
					256QAM	20.31	0.107		
				CP-OFDM	QPSK	23.68	0.233		
		3480.00 - 3519.99	60	DFT-s OFDM	$\pi/2$ BPSK	25.06	0.321		
					QPSK	25.02	0.318	25.72	0.373
					16QAM	24.04	0.253	24.85	0.305
					64QAM	22.11	0.163		
					256QAM	20.39	0.109		
				CP-OFDM	QPSK	23.73	0.236		
		3475.02 - 3525.00	50	DFT-s OFDM	$\pi/2$ BPSK	25.31	0.340		
					QPSK	25.40	0.347	25.98	0.396
					16QAM	24.22	0.264	25.05	0.320
					64QAM	22.54	0.179		
					256QAM	20.62	0.115		
				CP-OFDM	QPSK	24.03	0.253		
		3470.01 - 3529.98	40	DFT-s OFDM	$\pi/2$ BPSK	25.16	0.328		
					QPSK	25.13	0.326	25.85	0.385
					16QAM	24.07	0.255	24.92	0.310
					64QAM	22.27	0.169		
					256QAM	20.47	0.111		
				CP-OFDM	QPSK	23.70	0.234		
		3465.00 - 3535.02	30	DFT-s OFDM	$\pi/2$ BPSK	25.20	0.331		
					QPSK	25.16	0.328	26.00	0.398
					16QAM	24.15	0.260	25.02	0.318
					64QAM	22.38	0.173		
					256QAM	20.44	0.111		
				CP-OFDM	QPSK	23.78	0.239		
		3462.51 - 3537.48	25	DFT-s OFDM	$\pi/2$ BPSK	25.20	0.331		
					QPSK	25.24	0.334	25.99	0.397
					16QAM	24.12	0.258	25.07	0.321
					64QAM	22.42	0.175		
					256QAM	20.50	0.112		
				CP-OFDM	QPSK	23.83	0.241		
		3460.02 - 3540.00	20	DFT-s OFDM	$\pi/2$ BPSK	25.15	0.327		
					QPSK	25.16	0.328	25.98	0.396
					16QAM	24.11	0.258	24.92	0.310
					64QAM	22.40	0.174		
					256QAM	20.47	0.111		
				CP-OFDM	QPSK	23.71	0.235		
		3457.50 ~ 3542.49	15	DFT-s OFDM	$\pi/2$ BPSK	25.17	0.329		
					QPSK	25.15	0.327	25.92	0.391
					16QAM	24.02	0.252	24.85	0.305
					64QAM	22.24	0.167		
					256QAM	20.46	0.111		
				CP-OFDM	QPSK	23.64	0.231		
		3455.01 - 3544.99	10	DFT-s OFDM	$\pi/2$ BPSK	25.18	0.330		
					QPSK	25.20	0.331	25.48	0.353
					16QAM	24.28	0.268	24.47	0.280
					64QAM	22.36	0.172		
					256QAM	20.48	0.112		
				CP-OFDM	QPSK	23.72	0.235		

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

FCC Part 27							
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Conducted Power		EIRP	
				Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
n77	C	3499.98	100	22.13	0.163	24.46	0.279
		3495.00 - 3504.99	90	21.82	0.152		
		3490.02 - 3510.00	80	21.81	0.152		
		3485.01 - 3514.98	70	21.84	0.153		
		3480.00 - 3519.99	60	21.86	0.153		
		3475.02 - 3525.00	50	22.09	0.162		
		3470.01 - 3529.98	40	22.13	0.163		
		3465.00 - 3535.02	30	21.96	0.157		
		3462.51 - 3537.48	25	21.96	0.157		
		3460.02 - 3540.00	20	22.11	0.163		
		3457.50 - 3542.49	15	21.83	0.152		
		3455.01 - 3549.98	10	21.80	0.151		

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

FCC Part 27							
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Conducted Power		EIRP	
				Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
n77	I	3499.98	100	20.40	0.110	21.23	0.133
		3495.00 - 3504.99	90	20.33	0.108		
		3490.02 - 3510.00	80	20.14	0.103		
		3485.01 - 3514.98	70	20.20	0.105		
		3480.00 - 3519.99	60	20.06	0.101		
		3475.02 - 3525.00	50	20.31	0.107		
		3470.01 - 3529.98	40	20.08	0.102		
		3465.00 - 3535.02	30	20.12	0.103		
		3462.51 - 3537.48	25	20.25	0.106		
		3460.02 - 3540.00	20	20.21	0.105		
		3457.50 - 3542.49	15	20.20	0.105		
		3455.01 - 3549.98	10	20.14	0.103		

NR Band n77 (PC2, 3450-3550 MHz, SRS4, ANT D)

FCC Part 27							
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Conducted Power		EIRP	
				Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
n77	D	3499.98	100	20.02	0.100	18.88	0.077
		3495.00 - 3504.99	90	19.86	0.097		
		3490.02 - 3510.00	80	19.82	0.096		
		3485.01 - 3514.98	70	19.82	0.096		
		3480.00 - 3519.99	60	19.73	0.094		
		3475.02 - 3525.00	50	19.86	0.097		
		3470.01 - 3529.98	40	19.85	0.097		
		3465.00 - 3535.02	30	19.55	0.090		
		3462.51 - 3537.48	25	19.55	0.090		
		3460.02 - 3540.00	20	19.54	0.090		
		3457.50 - 3542.49	15	19.57	0.091		
		3455.01 - 3549.98	10	19.56	0.090		

NR Band n77(PC2, 3700-3980 MHz)

FCC Part 27									
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted Power		EIRP	
						Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
n77	F	3750.00 - 3930.00	100	DFT-s OFDM	π/2 BPSK	25.40	0.347		
					QPSK	25.36	0.343	25.90	0.389
					16QAM	24.35	0.272	24.91	0.310
					64QAM	22.59	0.182		
					256QAM	20.67	0.117		
				CP-OFDM	QPSK	23.91	0.246		
					16QAM	23.43	0.220		
					64QAM	21.40	0.138		
					256QAM	18.70	0.074		
		3745.02 - 3934.98	90	DFT-s OFDM	π/2 BPSK	25.31	0.340		
					QPSK	25.28	0.337	26.00	0.398
					16QAM	24.33	0.271	24.86	0.306
					64QAM	22.50	0.178		
					256QAM	20.64	0.116		
				CP-OFDM	QPSK	23.79	0.239		
		3740.01 - 3939.99	80	DFT-s OFDM	π/2 BPSK	25.27	0.336		
					QPSK	25.26	0.336	25.96	0.394
					16QAM	24.30	0.269	24.85	0.305
					64QAM	22.40	0.174		
					256QAM	20.60	0.115		
				CP-OFDM	QPSK	23.70	0.234		
		3735.02 - 3944.98	70	DFT-s OFDM	π/2 BPSK	25.20	0.331		
					QPSK	25.16	0.328	25.89	0.388
					16QAM	24.20	0.263	24.76	0.299
					64QAM	22.37	0.173		
					256QAM	20.47	0.111		
				CP-OFDM	QPSK	23.69	0.234		
		3730.02 - 3949.98	60	DFT-s OFDM	π/2 BPSK	25.16	0.328		
					QPSK	25.14	0.327	25.73	0.374
					16QAM	24.12	0.258	24.57	0.286
					64QAM	22.21	0.166		
					256QAM	20.34	0.108		
				CP-OFDM	QPSK	23.63	0.231		
		3725.01 - 3954.99	50	DFT-s OFDM	π/2 BPSK	25.76	0.377		
					QPSK	25.81	0.381	26.16	0.413
					16QAM	24.75	0.298	25.07	0.321
					64QAM	22.84	0.192		
					256QAM	20.93	0.124		
				CP-OFDM	QPSK	24.42	0.277		
		3720.02 - 3960.0	40	DFT-s OFDM	π/2 BPSK	25.50	0.355		
					QPSK	25.50	0.355	25.82	0.382
					16QAM	24.53	0.284	24.83	0.304
					64QAM	22.54	0.179		
					256QAM	20.72	0.118		
				CP-OFDM	QPSK	23.98	0.250		
		3715.02 - 3964.98	30	DFT-s OFDM	π/2 BPSK	25.63	0.366		
					QPSK	25.55	0.359	25.99	0.397
					16QAM	24.58	0.287	24.99	0.316
					64QAM	22.84	0.192		
					256QAM	20.91	0.123		
				CP-OFDM	QPSK	24.30	0.269		
		3712.50 - 3967.50	25	DFT-s OFDM	π/2 BPSK	25.65	0.367		
					QPSK	25.62	0.365	26.10	0.407
					16QAM	24.59	0.288	25.04	0.319
					64QAM	22.76	0.189		
					256QAM	20.93	0.124		
				CP-OFDM	QPSK	24.20	0.263		
		3710.01 - 3969.99	20	DFT-s OFDM	π/2 BPSK	25.60	0.363		
					QPSK	25.55	0.359	26.06	0.404
					16QAM	24.67	0.293	25.15	0.327
					64QAM	22.71	0.187		
					256QAM	20.82	0.121		
				CP-OFDM	QPSK	24.13	0.259		
		3707.52 - 3972.48	15	DFT-s OFDM	π/2 BPSK	25.62	0.365		
					QPSK	25.56	0.360	26.11	0.408
					16QAM	24.63	0.290	25.15	0.327
					64QAM	22.70	0.186		
					256QAM	20.90	0.123		
				CP-OFDM	QPSK	24.18	0.262		
		3705.00 - 3975.00	10	DFT-s OFDM	π/2 BPSK	25.75	0.376		
					QPSK	25.60	0.363	25.35	0.343
					16QAM	24.63	0.290	24.45	0.279
					64QAM	22.71	0.187		
					256QAM	20.88	0.122		
				CP-OFDM	QPSK	24.24	0.265		

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

FCC Part 27							
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Conducted Power		EIRP	
				Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
n77	C	3750.00 - 3930.00	100	21.05	0.127		
		3745.02 - 3934.98	90	20.98	0.125		
		3740.01 - 3939.99	80	20.95	0.124		
		3735.02 - 3944.98	70	21.00	0.126		
		3730.02 - 3949.98	60	21.00	0.126		
		3725.01 - 3954.99	50	21.43	0.139	20.29	0.107
		3720.02 - 3960.00	40	21.04	0.127		
		3715.02 - 3964.98	30	20.94	0.124		
		3712.50 - 3967.50	25	21.01	0.126		
		3710.01 - 3969.99	20	20.95	0.124		
		3707.52 - 3972.48	15	20.93	0.124		
		3705.00 - 3975.00	10	20.78	0.120		

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

FCC Part 27							
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Conducted Power		EIRP	
				Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
n77	I	3750.00 - 3930.00	100	19.75	94.41	16.79	47.75
		3745.02 - 3934.98	90	19.45	88.10		
		3740.01 - 3939.99	80	19.51	89.33		
		3735.02 - 3944.98	70	19.69	93.11		
		3730.02 - 3949.98	60	19.59	90.99		
		3725.01 - 3954.99	50	19.64	92.04		
		3720.02 - 3960.00	40	19.51	89.33		
		3715.02 - 3964.98	30	19.58	90.78		
		3712.50 - 3967.50	25	19.61	91.41		
		3710.01 - 3969.99	20	19.49	88.92		
		3707.52 - 3972.48	15	19.52	89.54		
		3705.00 - 3975.00	10	19.54	89.95		

NR Band n77 (PC2, 3700-3980 MHz, SRS4, ANT D)

FCC Part 27							
Band	ANT	Frequency Range [MHz]	BandWidth [MHz]	Conducted Power		EIRP	
				Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
n77	D	3750.00 - 3930.00	100	19.61	91.41		
		3745.02 - 3934.98	90	19.55	90.16		
		3740.01 - 3939.99	80	19.53	89.74		
		3735.02 - 3944.98	70	19.43	87.70		
		3730.02 - 3949.98	60	19.36	86.30		
		3725.01 - 3954.99	50	19.81	95.72	17.91	61.80
		3720.02 - 3960.00	40	19.45	88.10		
		3715.02 - 3964.98	30	19.32	85.51		
		3712.50 - 3967.50	25	19.31	85.31		
		3710.01 - 3969.99	20	19.28	84.72		
		3707.52 - 3972.48	15	19.30	85.11		
		3705.00 - 3975.00	10	19.31	85.31		

5.3. DESCRIPTION OF AVAILABLE ANTENNAS

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

Frequency (MHz)	ANT	Peak Gain (dBi)
LTE Band 7 / NR Band n7 2500 - 2570 MHz	B	-0.7
	F	-2.3
LTE Band 12 / NR Band n12 699 - 716 MHz	A	-4.8
	E	-3.0
LTE Band 13 777 - 787 MHz	A	-4.1
	E	-3.1
LTE Band 30 / NR Band n30 2305 - 2315 MHz	A	-0.3
	F	-2.5
LTE Band 38, 41 / NR Band n38, n41 2496 - 2690 MHz	B	-1.1
	F	-2.4
	E	-6.6
	D	-6.1
WCDMA B4 / LTE Band 4, 66 / NR Band n66 1710 - 1780 MHz	A	-0.9
	F	-0.6
NR Band n70 1695 - 1710 MHz	A	-1.2
	F	-0.9
LTE Bnad 71 / NR Band n71 663 - 698 MHz	A	-5.3
	E	-2.9
NR Band n77 3450 - 3550 MHz / 3700 - 3980 MHz NR Band n78 3450 - 3550 MHz / 3700 - 3800 MHz	F	-2.2
	C	-0.8
	I	-4.5
	D	-3.8

5.4. WORST-CASE ORIENTATION

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

- UMTS REL 99/HSDPA
The worst-case scenario for all measurements is based on the average conducted output power measurement investigation results. Output power measurements were measured on REL 99 and HSDPA modulations. It was found REL 99 results were worst case.
- LTE Bands
The worst-case scenario for all measurements is based on the average conducted output power measurement investigation results. Output power measurements were measured on QPSK, 16QAM, 64QAM and 256QAM modulations. It was found QPSK and 16QAM results were worst case.

As for the Antenna Switching supported either Tx Device Hopping or ASDIV (Antenna Switching Diversity) conditions. It has been verified. Both ASDIV and Tx device hopping can be implemented through the application provided by the manufacturer.

Band	Antenna Switching
LTE B12, 13, 71	ASDIV
LTE B4, 7, 30, 38, 41, 66	Tx Device Hopping

- The RF port of LTE Band 66 are tested on all antennas and reported as 'Main ANT' because the output power of 'Main ANT' is same to or higher than 'Sub ANT'.
- The RF port of LTE Band 7, 12, 13, 30, 41, 71 are tested on all antennas and reported as 'Sub ANT' because the output power of 'Sub ANT' is same to or higher than 'Main ANT'.

So the test case is as below.

Band	Main ANT	Tune up Limit (dBm)	Sub ANT	Tune up Limit (dBm)
LTE B7	B	24.0	<u>F</u>	<u>24.0</u>
LTE B12	A	25.5	<u>E</u>	<u>25.5</u>
LTE B13	A	25.0	<u>E</u>	<u>25.0</u>
LTE B30	A	23.5	<u>F</u>	<u>23.5</u>
LTE B41 (PC3)	B	25.0	<u>F</u>	<u>25.0</u>
LTE B66	<u>A</u>	<u>25.0</u>	F	25.0
LTE B71	A	25.5	<u>E</u>	<u>25.5</u>

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

LTE Band 4 (ANT A, F)

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

LTE Band 38 (ANT B, F)

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

- NR Bands (n7, n12)

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 $\pi/2$ BPSK and 16QAM results were worst case.

Exceptionally, for the PAR and OBW test items, tested on all Waveform(CP-OFDM and DFT-s OFDM) and reported as CP-OFDM with QPSK and 16QAM.

- NR Bands (n30, n41, n66, n70, n71, n77)

The worst-case scenario for all measurements is based on the average conducted output power measurement investigation results. Output power measurements were measured on $\pi/2$ BPSK, QPSK, 16QAM, 64QAM and 256QAM modulations. It was found QPSK and 16QAM results were worst case.

This device supports NSA and SA Mode and Worst case reported.

So the test case is as below.

NR Band	NSA	SA
n7	LTE B2/4/5/66	<u>Stand Alone</u>
n12	LTE B2/7/48/66	<u>Stand Alone</u>
n30	-	<u>Stand Alone</u>
n38	LTE B2/4/5/12/66/71	<u>Stand Alone</u>
n41	LTE B2/4/5/12/25/66/71	<u>Stand Alone</u>
n66	LTE B2/5/7/12/13/14/30/48/71	<u>Stand Alone</u>
n70	-	<u>Stand Alone</u>
n71	LTE B2/7/48/66	<u>Stand Alone</u>
n77	LTE B2/5/7/12/13/14/25/30/40/41/66	<u>Stand Alone</u>
n78	LTE B2/4/7/12/13/38/40/41/66/71	<u>Stand Alone</u>

- SRS

The worst-case bandwidth scenario is based on the average conducted output power measurement investigation results.

- As for the Antenna Switching supported either Tx Device Hopping or ASDIV (Antenna Switching Diversity) conditions. It has been verified. Both ASDIV and Tx device hopping can be implemented through the application provided by the manufacturer.

Band	Antenna Switching
NR n12, 71	ASDIV
NR n7, 30, 38, 41, 66, 70, 77, 78	Tx Device Hopping

- The RF port of NR Band n41, 66, 77 are tested on all antennas and reported as 'Main ANT' because the output power of 'Main ANT' is same to or higher than 'Sub ANT'.
- The RF port of NR Band n7, 12, 30, 70, 71 are tested on all antennas and reported as 'Sub ANT' because the output power of 'Sub ANT' is same to or higher than 'Main ANT'.

So the test case is as below.

Band	Main ANT	Tune up Limit (dBm)	Sub ANT	Tune up Limit (dBm)
NR n7	B	24.0	<u>F</u>	<u>24.0</u>
NR n12	A	25.5	<u>E</u>	<u>25.5</u>
NR n30	A	23.5	<u>F</u>	<u>23.5</u>
NR n41(PC2)	<u>B</u>	<u>26.7</u>	F	26.7
NR n66	<u>A</u>	<u>25.0</u>	F	25.0
NR n70	A	25.0	<u>F</u>	<u>25.0</u>
NR n71	A	25.3	<u>E</u>	<u>25.3</u>
NR n77(PC2)	<u>F</u>	<u>27.0</u>	SRS 2,3,4	-

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

NR Band n38 (ANT B, F)

NR Band n38 (Frequency range: 2570-2620 MHz) is covered by NR Band n41 (Frequency range: 2496-2690 MHz) due to overlapping frequency range, maximum tune-up limit and same channel bandwidth.

NR Band n78 (PC2) (ANT F, C, I, D)

NR Band n78 (Frequency range: 3450-3550 MHz, 3700-3800 MHz) is covered by NR Band n77(Frequency range: 3450-3550 MHz, 3700-3980 MHz) due to overlapping frequency range, maximum tune-up limit and same channel bandwidth.

● Conducted Spurious Emission

Highest conducted output power setting for each bands						
LTE Band	ANT	Frequency (MHz)	Bandwidth (MHz)	Modulation	RB size	RB offset
7	F	2507.50	15	QPSK	1	74
		2535.00			1	74
		2562.50			1	0
12	E	701.50	5	QPSK	1	0
		707.50			1	0
		713.50			1	12
13	E	782.00	10	QPSK	1	25
30	F	2310.00	10	QPSK	1	49
41 (PC3)	F	2503.50	15	QPSK	1	37
		2593.00			1	37
		2682.50			1	0
66	A	1717.50	15	QPSK	1	37
		1745.00			1	37
		1772.50			1	0
71	E	668.00	10	QPSK	1	25
		680.50			1	25
		693.00			1	0
NR Band	ANT	Frequency (MHz)	Bandwidth (MHz)	Modulation	RB size	RB offset
7	F	2502.50	5	DFT-s OFDM BPSK	1	24
		2535.00			1	24
		2567.50			1	24
12	E	704.00	10	DFT-s OFDM BPSK	1	25
		707.50			1	1
		711.00			1	1
30	F	2307.50	5	DFT-s OFDM QPSK	1	12
		2310.00			1	12
		2312.50			1	12
41 (PC2)	B	2541.00	90	DFT-s OFDM QPSK	1	1
		2592.99			1	243
		2644.98			1	1
66	A	1722.50	25	DFT-s OFDM QPSK	1	66
		1745.00			1	66
		1767.50			1	1
70	F	1702.50	15	DFT-s OFDM QPSK	1	1
71	E	665.50	5	DFT-s OFDM QPSK	1	23
		680.50			1	1
		695.50			1	1
77 (PC2) (3450 - 3550 MHz)	F	3475.02	50	DFT-s OFDM QPSK	1	131
		3499.98			1	131
		3525.00			1	1
77 (PC2) (3700 - 3980 MHz)	F	3725.01	50	DFT-s OFDM QPSK	1	66
		3840.00			1	131
		3954.99			1	131

● Radiated Spurious Emission

Highest ERP/ EIRP setting for each bands						
LTE Band	ANT	Frequency (MHz)	Bandwidth (MHz)	Modulation	RB size	RB offset
7	B	2510.00	20	QPSK	1	49
		2535.00			1	0
		2560.00			1	0
	F	2507.50	15	QPSK	1	74
		2535.00			1	0
		2562.50			1	0
12	A	701.50	5	QPSK	1	12
		707.50			1	12
		713.50			1	24
	E	704.00	10	QPSK	1	25
		707.50			1	0
		711.00			1	0
13	A	779.50	5	QPSK	1	25
		782.00			1	25
		784.50			1	49
	E	779.50	5	QPSK	1	49
		782.00			1	49
		784.50			1	49
30	A	2310.00	10	QPSK	1	0
	F	2310.00	10	QPSK	1	49
41 (PC3)	B	2506.00	20	QPSK	1	0
		2593.00			1	0
		2680.00			1	0
	F	2506.00	20	QPSK	1	49
		2593.00			1	49
		2680.00			1	49
66	A	1717.50	15	QPSK	1	37
		1745.00			1	37
		1772.50			1	0
	F	1712.50	5	QPSK	1	24
		1745.00			1	12
		1777.50			1	0
71	A	673.00	20	QPSK	1	49
		680.50			1	49
		688.00			1	99
	E	668.00	10	QPSK	1	25
		680.50			1	25
		693.00			1	0

NR Band	ANT	Frequency (MHz)	Bandwidth (MHz)	Modulation	RB size	RB offset
7	B	2520.00	40	DFT-s OFDM QPSK	1	215
		2535.00			1	215
		2550.00			1	215
	F	2505.00	10	DFT-s OFDM BPSK	1	51
		2535.00			1	51
		2565.00			1	51
12	A	706.50	15	DFT-s OFDM QPSK	1	1
		707.50			1	1
		708.50			1	1
	E	704.00	10	DFT-s OFDM BPSK	1	25
		707.50			1	1
		711.00			1	1
30	A	2310.00	10	DFT-s OFDM QPSK	1	1
	F	2307.50	5	DFT-s OFDM QPSK	1	12
		2310.00			1	12
		2312.50			1	12
41 (PC2)	B	2501.01	10	DFT-s OFDM QPSK	1	22
		2592.99			1	22
		2685.00			1	1
41 SRS 2	F	2541.00	90	-	-	-
		2592.99			-	-
		2645.00			-	-
41 SRS 3	D	2546.01	100	-	-	-
		2592.99			-	-
		2640.00			-	-
41 SRS 4	E	2546.01	100	-	-	-
		2592.99			-	-
		2640.00			-	-
41 (PC2)	F	2521.01	50	DFT-s OFDM QPSK	1	131
		2592.99			1	131
		2665.00			1	131
41 SRS 2	B	2541.00	90	-	-	-
		2592.99			-	-
		2645.00			-	-
41 SRS 3	E	2511.01	30	-	-	-
		2592.99			-	-
		2675.00			-	-
41 SRS 4	D	2508.51	25	-	-	-
		2592.99			-	-
		2677.50			-	-

66	A	1722.50	25	DFT-s OFDM QPSK	1	66
		1745.00			1	66
		1767.50			1	1
	F	1730.00	40	DFT-s OFDM QPSK	1	214
		1745.00			1	107
		1760.00			1	1
70	A	1697.50	5	DFT-s OFDM QPSK	1	23
		1702.50			1	23
		1707.50			1	23
	F	1700.00	10	DFT-s OFDM QPSK	1	25
		1702.50			1	50
		1705.00			1	50
71	A	665.50	5	DFT-s OFDM QPSK	1	1
		680.50			1	1
		695.50			1	1
	E	665.50	5	DFT-s OFDM QPSK	1	23
		680.50			1	1
		695.50			1	1
77 (PC2) (3450 - 3550 MHz)	F	3499.98	100	DFT-s OFDM QPSK	1	1
77 (3450 - 3550 MHz) SRS 2	C	3499.98	100	-	-	-
77 (3450 - 3550 MHz) SRS 3	I	3499.98	100	-	-	-
77 (3450 - 3550 MHz) SRS 4	D	3499.98	100	-	-	-
77 (PC2) (3700 - 3980 MHz)	F	3725.01	50	DFT-s OFDM QPSK	1	66
		3840.00			1	131
		3954.99			1	131
77 (3700 - 3980 MHz) SRS 2	C	3725.01	50	-	-	-
		3840.00			-	-
		3954.99			-	-
77 (3700 - 3980 MHz) SRS 3	I	3750.00	100	-	-	-
		3840.00			-	-
		3930.00			-	-
77 (3700 - 3980 MHz) SRS 4	D	3725.01	50	-	-	-
		3840.00			-	-
		3954.99			-	-

Note1 : for radiated emission testing, EN-DC and ULCA mode were investigated in simultaneous mode. There was no discernible difference in the spurious emission levels when using different LTE and FR1 anchor bands.

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

Band	ANT	ERP/EIRP			RSE		
		X	Y	Z	X	Y	Z
WCDMA B4	A	O	-	-	O	-	-
LTE B7	B	O	-	-	O	-	-
	F	O	-	-	-	O	-
LTE B12	A	-	-	O	O	-	-
	E	O	-	-	O	-	-
LTE B13	A	-	-	O	O	-	-
	E	O	-	-	-	O	-
LTE B30	A	O	-	-	-	-	O
	F	-	-	O	-	-	O
LTE B41 (PC3)	B	O	-	-	O	-	-
	F	O	-	-	-	-	O
LTE B66	A	O	-	-	O	-	-
	F	-	O	-	O	-	-
LTE B71	A	O	-	-	O	-	-
	E	-	-	O	O	-	-
NR n7	B	O	-	-	O	-	-
	F	O	-	-	-	O	-
NR n12	A	O	-	-	-	O	-
	E	O	-	-	-	O	-
NR n30	A	O	-	-	O	-	-
	F	-	-	O	O	-	-
NR n41 (PC2)	B	O	-	-	-	-	O
	F (SRS2)	O	-	-	O	-	-
	D (SRS3)	-	O	-	-	O	-
	E (SRS4)	O	-	-	O	-	-
NR n41 (PC2)	F	O	-	-	-	-	O
	B (SRS2)	O	-	-	O	-	-
	E (SRS3)	O	-	-	O	-	-
	D (SRS4)	-	O	-	-	O	-
NR n66	A	O	-	-	O	-	-
	F	O	-	-	O	-	-
NR n70	A	O	-	-	O	-	-
	F	O	-	-	-	O	-
NR n71	A	O	-	-	O	-	-
	E	O	-	-	-	O	-
NR n77 (PC2) 3450 - 3550 MHz	F	O	-	-	O	-	-
	C (SRS2)	-	-	O	O	-	-
	I (SRS3)	-	-	O	-	-	O
	D (SRS4)	-	-	O	-	O	-
NR n77 (PC2) 3700 - 3980 MHz	F	O	-	-	O	-	-
	C (SRS2)	O	-	-	-	-	O
	I (SRS3)	-	-	O	-	-	O
	D (SRS4)	-	-	O	-	-	O

Note1 : For the radiated spurious testing, the EUT attached with travel adapter for the worst case condition. The EUT is continuously communicated with the call box during the tests.

5.5. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Support Equipment List				
Description	Manufacture	Model	Serial Number	FCC ID
Charger	SAMSUNG	EP-T2510	N/A	N/A
Data Cable	SAMSUNG	EP-DN980	N/A	N/A

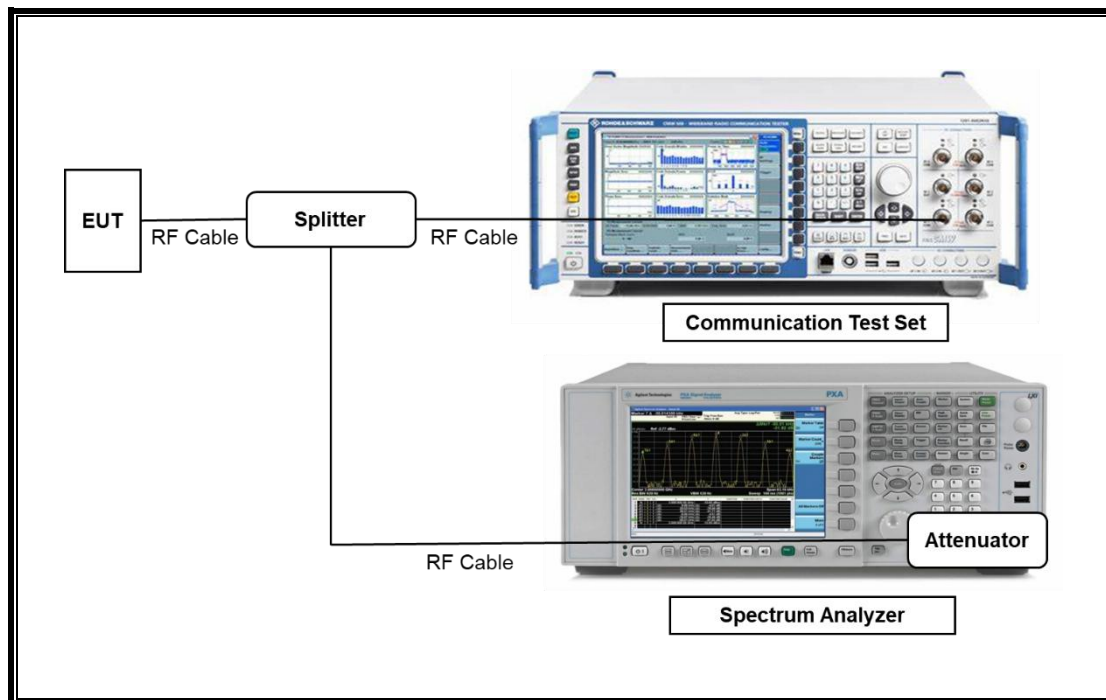
I/O CABLE

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

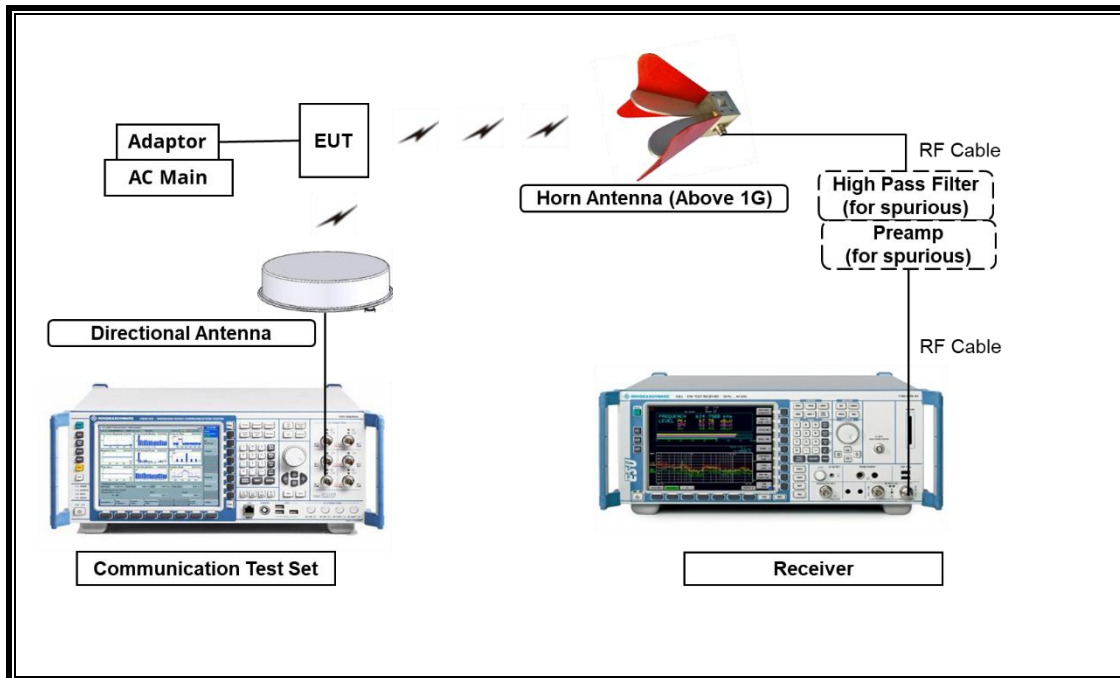
TEST SETUP

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

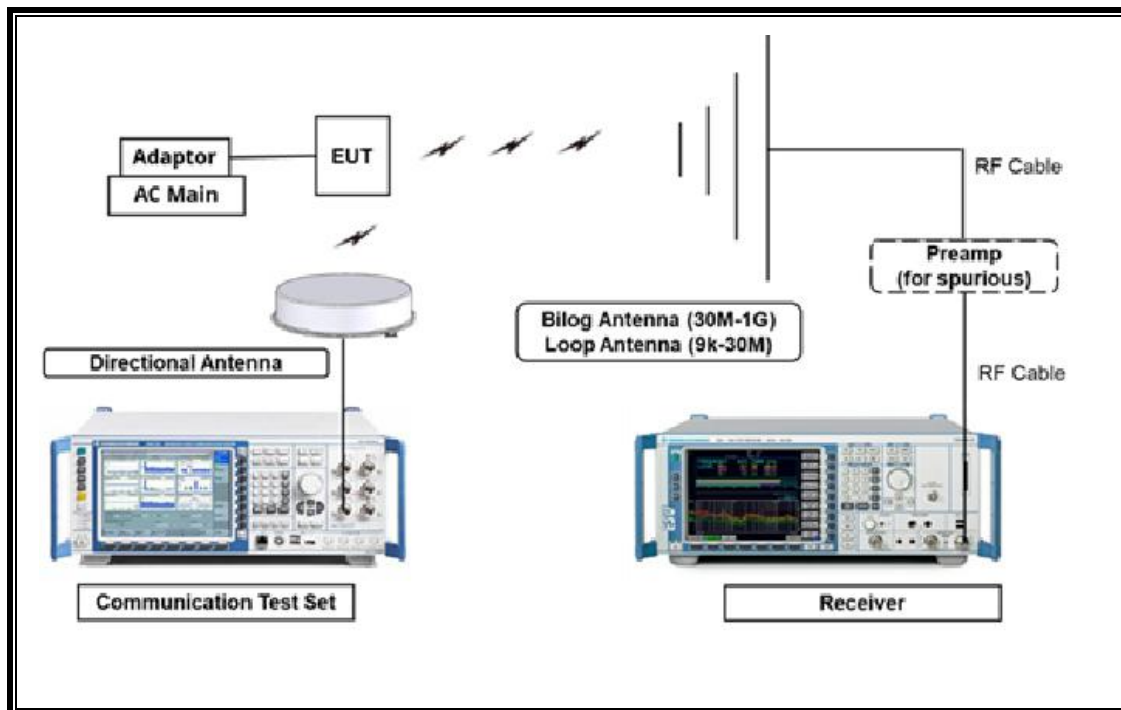
SETUP DIAGRAM FOR TESTS (CONDUCTED TEST SETUP)



SETUP DIAGRAM FOR TESTS (RADIATED TEST SETUP) Above 1G



SETUP DIAGRAM FOR TESTS (RADIATED TEST SETUP) Below 1G



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 DB-4	00164753	2027-01-08
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	00166155	2026-07-23
Antenna, Horn, 40 GHz	ETS	3116C	00168645	2027-07-23
Preamplifier	ETS	3116C-PA	00168841	2026-07-28
Antenna, Bilog, 30MHz-1GHz	SCHWARZBECK	VULB 9163	750	2026-07-30
Antenna, Bilog, 30MHz-1GHz	SCHWARZBECK	VULB 9163	845	2026-07-30
Antenna, Bilog, 30MHz-1GHz	SCHWARZBECK	VULB 9163	749	2026-08-12
Antenna, Horn, 18 GHz	ETS	3115	00167211	2026-07-17
Antenna, Horn, 18 GHz	ETS	3115	00161451	2026-07-17
Antenna, Horn, 18 GHz	ETS	3117	00168724	2026-07-17
Antenna, Horn, 18 GHz	ETS	3117	00168717	2026-07-17
Communications Test Set	R&S	CMW500	169797	2026-07-21
DC Power Supply	Agilent / HP	E3640A	MY54226395	2026-07-23
Preamplifier, 1000 MHz	Sonoma	310N	341282	2026-07-21
Preamplifier, 1000 MHz	Sonoma	310N	370599	2026-07-21
Preamplifier, 1000 MHz	Sonoma	310N	351741	2026-07-21
Preamplifier, 18 GHz	Miteq	AFS42-00101800-25-S-42	2029169	2026-07-21
Preamplifier, 18 GHz	B&Z Technologies, LLC	BZR-01001800-231040-182020	28451	2026-07-21
Preamplifier, 18 GHz	B&Z Technologies, LLC	BZR-01001800-231040-181515	23576	2026-07-22
Spectrum Analyzer, 44 GHz	Agilent / HP	N9030A	MY54170614	2026-07-21
Spectrum Analyzer, 44 GHz	Agilent / HP	N9030A	MY54490312	2026-01-02
Spectrum Analyzer, 44 GHz	KEYSIGHT	N9030B	MY57143717	2026-07-21
EMI Test Receive, 40 GHz	R&S	ESU40	100439	2026-07-21
EMI Test Receive, 40 GHz	R&S	ESU40	100457	2026-07-21
High Pass Filter 1.2GHz	Micro-Tronics	HPM50108-02	G005	2026-07-23
High Pass Filter 1.2GHz	Micro-Tronics	HPM50108-02	G006	2026-07-23
High Pass Filter 2.8GHz	Micro-Tronics	HPM50111-02	010	2026-07-23
High Pass Filter 2.8GHz	Micro-Tronics	HPM50111-02	011	2026-07-23
High Pass Filter 4GHz	Micro-Tronics	HPM50118-02	G001	2026-07-23
High Pass Filter 4GHz	Micro-Tronics	HPM50118-02	G002	2026-07-23
Attenuator	PASTERNAK	PE7087-10	A009	2026-07-22
Attenuator	PASTERNAK	PE7087-10	A001	2026-07-22
Attenuator	PASTERNAK	PE7087-10	A008	2026-07-22
Attenuator	PASTERNAK	PE7004-10	2	2026-07-22
Attenuator	PASTERNAK	PE7395-10	A011	2026-07-22
Antenna, Loop, 9kHz-30MHz	R&S	HFH2-Z2E	100900	2027-07-24
Temperature Chamber	ESPEC	SH-642	93001109	2026-07-21
Power Splitter	MINI-CIRCUITS	WA1534	UL003	2026-01-03
Power Splitter	MINI-CIRCUITS	WA1534	UL004	2026-01-03
UXM 5G Wireless Test Platform	KEYSIGHT	E7515B	MY57510655	2026-01-03
Notch Filter	MICRO-TRONICS	BRC50705-02	G024	2026-07-23
Notch Filter	MICRO-TRONICS	BRM50702-02	G036	2026-07-23
Notch Filter	MICRO-TRONICS	BRM50707-02	G002	2026-07-23
Notch Filter	MICRO-TRONICS	BRM50709-02	G001	2026-07-23
Notch Filter	MICRO-TRONICS	BRM50713-02	G001	2026-07-23
Notch Filter	MICRO-TRONICS	BRM50716-2	006	2026-07-23
UL Software				
Description	Manufacturer	Model	Version	
Antenna port test software	UL	CLT	Ver 3.4	
Radiated software	UL	UL EMC	Ver 9.5	
Antenna port test software (5G NR FR1)	UL	UL iM	Ver 1.06	

7. SUMMARY TABLE

FCC Part Section	Test Description	Test Limit	Test Condition	Test Results
2.1046	Conducted Output Power	N/A	Conducted	Complies
2.1049	Occupied Bandwidth (99%)	N/A		Complies
27.53(c), 27.53(g), 27.53(h) 27.53(l)(2), 27.53(n)(2)	Conducted Band Edge / Conducted Spurious Emission	-13 dBm		Complies
27.53(m)		-25 dBm		Complies
27.53(a),(m)	Emission Mask	Section 8.4.2		Complies
27.54	Frequency Stability	2.5 ppm		Complies
27.50(b)(10), 27.50(c)(10)	Effective Radiated Power	34.77 dBm	Radiated	Complies
27.50(h)(2)	Effective Isotropic Radiated Power	33 dBm		Complies
27.50(a)(3)		24 dBm		Complies
27.50(d)(4) 27.50(j)(3) 27.50(k)(3)		30 dBm		Complies
27.53(c), 27.53(g) 27.53(h) 27.53(l)(2), 27.53(n)(2)	Radiated Spurious Emission	-13 dBm		Complies
27.53(a)(4) 27.53(f)		-40 dBm		Complies
27.53(m)		-25 dBm		Complies

8. CONDUCTED RESULTS

8.1. CONDUCTED OUTPUT POWER

Test Procedure

Per KDB 971168 D01 Power Meas License Digital Systems v03r01;

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

NOTE1

LTE, 5G NR : Conducted output power has been verified across Low, Mid, and High channels for each resource block configuration. Compliance of MPR (Maximum Power Reduction) and Tune-up limits has also been confirmed. Therefore, representative measurements at 1 RB and Full RB configurations are reported for each channel.

NOTE2

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

RESULTS

See the following pages.

8.1.1. CONDUCTED AVERAGE OUTPUT POWER

WCDMA (ANT A)

Mode		UL Ch No.	Freq. (MHz)	Measured Pwr
Release 99	Rel 99 (RMC, 12.2 kbps)	1312	1712.4	23.15
		1413	1732.6	23.14
		1513	1752.6	23.29
HSDPA	Subtest 1	1312	1712.4	22.10
		1413	1732.6	22.15
		1513	1752.6	22.28
	Subtest 2	1312	1712.4	22.05
		1413	1732.6	22.16
		1513	1752.6	22.25
	Subtest 3	1312	1712.4	21.58
		1413	1732.6	21.65
		1513	1752.6	21.75
	Subtest 4	1312	1712.4	21.57
		1413	1732.6	21.63
		1513	1752.6	21.76
HSUPA	Subtest 1	1312	1712.4	22.08
		1413	1732.6	22.17
		1513	1752.6	22.26
	Subtest 2	1312	1712.4	20.10
		1413	1732.6	20.15
		1513	1752.6	20.28
	Subtest 3	1312	1712.4	21.09
		1413	1732.6	21.15
		1513	1752.6	21.26
	Subtest 4	1312	1712.4	20.08
		1413	1732.6	20.17
		1513	1752.6	20.30
	Subtest 5	1312	1712.4	21.66
		1413	1732.6	21.74
		1513	1752.6	21.85
DC-HSDPA	Subtest 1	1312	1712.4	22.12
		1413	1732.6	22.23
		1513	1752.6	22.34
	Subtest 2	1312	1712.4	22.13
		1413	1732.6	22.19
		1513	1752.6	22.31
	Subtest 3	1312	1712.4	21.72
		1413	1732.6	21.72
		1513	1752.6	21.43
	Subtest 4	1312	1712.4	21.74
		1413	1732.6	21.71
		1513	1752.6	21.82

LTE Band 7 (ANT B)

BW (MHz)	Mode	RB Allocation	RB offset	20850	21100	21350
				2510.00 MHz	2535.00 MHz	2560.00 MHz
20 MHz	QPSK	1	0	23.10	23.32	23.25
		1	49	23.14	22.96	22.85
		1	99	23.13	22.75	22.54
		100	0	22.20	22.03	21.85
	16QAM	1	0	22.24	22.09	22.20
		1	49	22.94	22.10	21.99
		1	99	22.64	22.14	21.59
		100	0	21.32	21.07	20.82
	64QAM	1	0	21.68	21.23	20.75
		1	49	21.46	21.40	20.68
		1	99	21.99	20.69	20.39
		100	0	20.14	20.11	19.72
	256QAM	1	0	18.47	18.54	18.12
		1	49	18.35	18.74	17.64
		1	99	18.30	17.85	17.97
		100	0	18.30	18.13	17.83
BW (MHz)	Mode	RB Allocation	RB offset	20825	21100	21375
				2507.50 MHz	2535.00 MHz	2562.50 MHz
15 MHz	QPSK	1	0	23.40	22.97	22.91
		1	37	23.18	22.91	22.49
		1	74	23.26	22.90	22.55
		75	0	22.12	21.95	21.88
	16QAM	1	0	22.46	22.43	21.76
		1	37	21.89	21.91	22.27
		1	74	22.33	22.05	21.63
		75	0	21.21	20.91	20.84
	64QAM	1	0	21.85	21.04	20.71
		1	37	21.51	21.23	20.56
		1	74	21.31	21.34	20.79
		75	0	20.25	20.01	19.85
	256QAM	1	0	18.21	18.06	18.12
		1	37	18.19	18.37	17.77
		1	74	18.28	17.70	17.76
		75	0	18.18	18.15	17.77

BW (MHz)	Mode	RB Allocation	RB offset	20800	21100	21400
				2505.00 MHz	2535.00 MHz	2565.00 MHz
10 MHz	QPSK	1	0	23.26	23.02	22.70
		1	25	23.53	23.30	22.56
		1	49	23.11	23.11	22.46
		50	0	22.32	22.04	21.75
	16QAM	1	0	22.39	22.28	21.50
		1	25	22.47	22.38	22.03
		1	49	22.88	22.11	21.58
		50	0	21.24	20.98	20.73
	64QAM	1	0	21.47	21.18	20.94
		1	25	21.42	21.36	20.66
		1	49	21.01	21.18	20.83
		50	0	20.27	20.14	19.73
	256QAM	1	0	18.89	17.94	17.85
		1	25	18.26	18.53	18.10
		1	49	18.79	18.34	17.73
		50	0	18.38	18.05	17.74
BW (MHz)	Mode	RB Allocation	RB offset	20775	21100	21425
				2502.50 MHz	2535.00 MHz	2567.50 MHz
5 MHz	QPSK	1	0	23.21	23.07	22.56
		1	12	23.39	23.10	22.53
		1	24	23.10	23.11	22.68
		25	0	22.11	22.09	21.65
	16QAM	1	0	22.60	22.29	21.84
		1	12	22.49	22.10	22.33
		1	24	22.55	22.55	21.97
		25	0	21.26	21.07	20.66
	64QAM	1	0	21.16	21.17	20.53
		1	12	21.71	21.00	20.95
		1	24	21.68	21.26	20.92
		25	0	20.29	20.16	19.62
	256QAM	1	0	18.10	17.92	17.84
		1	12	18.48	18.30	17.58
		1	24	18.16	17.82	17.62
		25	0	18.28	17.97	17.70

LTE Band 7 (ANT F)

BW (MHz)	Mode	RB Allocation	RB offset	20850	21100	21350
				2510.00 MHz	2535.00 MHz	2560.00 MHz
20 MHz	QPSK	1	0	23.14	23.36	23.46
		1	49	23.21	23.47	23.30
		1	99	23.18	23.36	23.12
		100	0	22.37	22.48	22.36
	16QAM	1	0	22.65	22.49	22.68
		1	49	21.96	22.72	22.60
		1	99	22.58	22.62	22.31
		100	0	21.42	21.46	21.35
	64QAM	1	0	21.61	21.51	21.57
		1	49	21.83	21.74	21.65
		1	99	21.58	21.73	21.44
		100	0	20.41	20.52	20.34
	256QAM	1	0	18.47	18.42	18.74
		1	49	18.46	18.50	18.61
		1	99	18.13	18.24	17.79
		100	0	18.38	18.46	18.33
BW (MHz)	Mode	RB Allocation	RB offset	20825	21100	21375
				2507.50 MHz	2535.00 MHz	2562.50 MHz
15 MHz	QPSK	1	0	23.26	23.62	23.41
		1	37	23.15	23.61	23.35
		1	74	23.37	23.63	23.13
		75	0	22.34	22.42	22.31
	16QAM	1	0	22.69	22.70	22.65
		1	37	22.68	22.61	22.23
		1	74	22.15	22.30	22.34
		75	0	21.39	21.44	21.33
	64QAM	1	0	21.11	21.65	21.30
		1	37	21.28	21.56	21.71
		1	74	21.53	21.57	21.42
		75	0	20.30	20.52	20.34
	256QAM	1	0	18.31	18.52	18.48
		1	37	18.35	18.85	18.64
		1	74	18.53	18.12	17.99
		75	0	18.40	18.55	18.32

BW (MHz)	Mode	RB Allocation	RB offset	20800	21100	21400
				2505.00 MHz	2535.00 MHz	2565.00 MHz
10 MHz	QPSK	1	0	23.22	23.50	23.38
		1	25	23.33	23.59	23.29
		1	49	23.18	23.54	22.98
		50	0	22.42	22.48	22.31
	16QAM	1	0	22.29	22.86	22.23
		1	25	22.37	22.53	22.63
		1	49	22.38	22.35	22.35
		50	0	21.35	21.58	21.38
	64QAM	1	0	21.54	21.87	21.62
		1	25	21.67	21.75	21.53
		1	49	21.09	21.85	21.72
		50	0	20.29	20.59	20.34
	256QAM	1	0	18.46	18.55	18.43
		1	25	18.35	18.31	18.23
		1	49	18.29	18.75	18.07
		50	0	18.30	18.50	18.30
BW (MHz)	Mode	RB Allocation	RB offset	20775	21100	21425
				2502.50 MHz	2535.00 MHz	2567.50 MHz
5 MHz	QPSK	1	0	23.34	23.50	23.27
		1	12	23.44	23.58	23.33
		1	24	23.22	23.50	23.18
		25	0	22.37	22.57	22.27
	16QAM	1	0	21.98	22.08	22.20
		1	12	22.52	22.78	21.83
		1	24	22.21	22.76	22.21
		25	0	21.37	21.59	21.29
	64QAM	1	0	21.51	21.85	21.92
		1	12	21.64	21.90	21.63
		1	24	21.63	21.60	21.20
		25	0	20.31	20.54	20.32
	256QAM	1	0	18.21	18.54	18.11
		1	12	18.44	18.63	18.22
		1	24	18.22	18.26	18.28
		25	0	18.33	18.46	18.12

LTE Band 12 (ANT A)

BW (MHz)	Mode	RB Allocation	RB offset	23060	23095	23130
				704.00 MHz	707.50 MHz	711.00 MHz
10 MHz	QPSK	1	0	24.64	24.85	24.78
		1	25	24.71	24.86	24.70
		1	49	24.48	24.78	24.53
		50	0	23.67	23.63	23.81
	16QAM	1	0	23.85	24.30	23.73
		1	25	24.11	23.71	23.47
		1	49	23.72	23.78	23.91
		50	0	22.79	22.73	22.66
	64QAM	1	0	22.87	23.33	22.89
		1	25	23.21	22.99	22.91
		1	49	22.79	23.27	22.72
		50	0	21.64	21.72	21.81
	256QAM	1	0	19.32	19.26	19.96
		1	25	20.06	19.85	19.98
		1	49	19.60	19.68	19.68
		50	0	19.82	20.28	19.71
BW (MHz)	Mode	RB Allocation	RB offset	23035	23095	23155
				701.50 MHz	707.50 MHz	713.50 MHz
5 MHz	QPSK	1	0	24.81	24.90	24.52
		1	12	25.02	24.92	24.49
		1	24	24.54	24.52	24.57
		25	0	23.84	23.71	23.68
	16QAM	1	0	23.83	23.91	23.98
		1	12	24.07	23.81	23.71
		1	24	23.94	23.82	23.52
		25	0	22.81	22.61	22.53
	64QAM	1	0	22.76	22.78	22.90
		1	12	22.95	22.85	22.87
		1	24	22.19	22.67	22.48
		25	0	21.86	21.78	21.63
	256QAM	1	0	19.95	19.91	19.93
		1	12	19.87	20.09	19.49
		1	24	19.82	19.63	19.92
		25	0	19.83	19.75	19.65

BW (MHz)	Mode	RB Allocation	RB offset	23025	23095	23165
				700.50 MHz	707.50 MHz	714.50 MHz
3 MHz	QPSK	1	0	24.42	24.52	24.39
		1	8	24.85	24.89	24.64
		1	14	24.78	24.69	24.24
		15	0	23.79	23.74	23.72
	16QAM	1	0	23.88	23.79	23.48
		1	8	24.07	24.05	23.63
		1	14	23.79	23.47	23.24
		15	0	22.93	22.66	22.51
	64QAM	1	0	23.10	23.01	22.41
		1	8	23.32	23.35	22.88
		1	14	22.50	22.82	22.72
		15	0	22.29	21.70	21.95
	256QAM	1	0	20.35	19.73	19.72
		1	8	19.83	19.90	19.57
		1	14	19.61	19.84	19.21
		15	0	19.77	19.23	19.65
BW (MHz)	Mode	RB Allocation	RB offset	23017	23095	23173
				699.70 MHz	707.50 MHz	715.30 MHz
1.4 MHz	QPSK	1	0	24.86	24.78	24.54
		1	3	24.85	24.67	24.44
		1	5	24.50	24.80	24.36
		6	0	23.71	23.65	23.42
	16QAM	1	0	24.18	23.94	23.83
		1	3	24.42	23.92	23.77
		1	5	23.79	24.16	23.47
		6	0	22.82	22.92	22.59
	64QAM	1	0	23.08	22.56	23.09
		1	3	22.65	23.16	22.40
		1	5	22.52	22.62	22.54
		6	0	21.79	21.75	21.52
	256QAM	1	0	20.18	19.63	19.47
		1	3	19.78	19.97	19.47
		1	5	19.79	20.01	19.78
		6	0	19.72	19.57	19.45

LTE Band 12 (ANT E)

BW (MHz)	Mode	RB Allocation	RB offset	23060	23095	23130
				704.00 MHz	707.50 MHz	711.00 MHz
10 MHz	QPSK	1	0	24.96	25.37	25.30
		1	25	25.28	25.16	25.16
		1	49	25.11	25.13	25.02
		50	0	24.06	24.13	24.06
	16QAM	1	0	24.16	23.89	23.90
		1	25	24.43	23.85	24.04
		1	49	24.13	24.20	23.78
		50	0	23.16	23.22	23.09
	64QAM	1	0	24.59	22.86	23.09
		1	25	24.37	23.02	23.12
		1	49	24.35	23.00	23.20
		50	0	23.17	22.11	22.04
	256QAM	1	0	20.34	20.32	20.20
		1	25	20.16	20.47	20.15
		1	49	20.17	20.55	20.25
		50	0	20.17	20.19	20.02
BW (MHz)	Mode	RB Allocation	RB offset	23035	23095	23155
				701.50 MHz	707.50 MHz	713.50 MHz
5 MHz	QPSK	1	0	25.38	25.15	24.89
		1	12	25.24	25.13	25.16
		1	24	25.18	25.06	24.95
		25	0	24.29	24.21	23.96
	16QAM	1	0	24.52	24.12	24.06
		1	12	23.99	24.75	24.69
		1	24	24.22	24.12	23.97
		25	0	23.27	23.15	22.87
	64QAM	1	0	23.21	23.07	22.93
		1	12	23.59	23.34	23.41
		1	24	23.46	22.74	23.37
		25	0	22.10	22.04	22.08
	256QAM	1	0	20.46	20.10	20.26
		1	12	20.28	19.99	20.22
		1	24	19.91	20.11	20.10
		25	0	20.27	20.11	19.84

BW (MHz)	Mode	RB Allocation	RB offset	23025	23095	23165
				700.50 MHz	707.50 MHz	714.50 MHz
3 MHz	QPSK	1	0	25.22	25.15	24.95
		1	8	25.11	25.07	24.80
		1	14	25.07	24.87	24.64
		15	0	24.19	24.10	23.82
	16QAM	1	0	24.24	24.14	23.98
		1	8	24.41	24.06	23.90
		1	14	24.36	24.12	24.00
		15	0	23.37	23.23	22.92
	64QAM	1	0	23.50	23.17	23.59
		1	8	23.60	23.20	23.43
		1	14	23.15	23.45	23.15
		15	0	22.39	22.00	22.02
	256QAM	1	0	20.18	19.61	20.01
		1	8	20.61	20.16	20.26
		1	14	20.54	19.97	19.65
		15	0	20.96	20.15	19.92
BW (MHz)	Mode	RB Allocation	RB offset	23017	23095	23173
				699.70 MHz	707.50 MHz	715.30 MHz
1.4 MHz	QPSK	1	0	25.15	25.17	25.14
		1	3	25.13	24.93	24.76
		1	5	24.91	24.92	24.91
		6	0	24.09	23.94	23.97
	16QAM	1	0	24.39	24.43	24.26
		1	3	24.70	23.75	24.19
		1	5	24.12	24.40	24.08
		6	0	23.30	22.99	22.94
	64QAM	1	0	23.29	22.99	23.29
		1	3	23.13	22.59	23.17
		1	5	23.42	23.20	23.03
		6	0	22.37	22.41	22.39
	256QAM	1	0	19.94	19.81	19.84
		1	3	20.47	19.91	20.06
		1	5	20.41	19.53	19.65
		6	0	20.24	20.26	20.01

LTE Band 13 (ANT A)

BW (MHz)	Mode	RB Allocation	RB offset		23230	
					782.00 MHz	
10 MHz	QPSK	1	0		24.03	
		1	25		24.02	
		1	49		23.90	
		50	0		22.96	
	16QAM	1	0		22.75	
		1	25		23.28	
		1	49		22.98	
		50	0		21.93	
	64QAM	1	0		21.86	
		1	25		21.33	
		1	49		21.88	
		50	0		21.15	
	256QAM	1	0		18.96	
		1	25		19.20	
		1	49		19.10	
		50	0		18.91	
BW (MHz)	Mode	RB Allocation	RB offset	23205	23230	23255
				779.50 MHz	782.00 MHz	784.50 MHz
5 MHz	QPSK	1	0	23.66	23.75	24.05
		1	12	23.82	24.10	23.82
		1	24	23.81	23.91	24.12
		25	0	22.95	23.01	22.85
	16QAM	1	0	23.03	22.72	23.01
		1	12	22.78	22.89	23.47
		1	24	23.41	23.34	23.09
		25	0	21.89	21.84	21.91
	64QAM	1	0	21.88	21.77	22.07
		1	12	21.91	22.33	22.23
		1	24	21.97	22.14	22.02
		25	0	20.75	20.91	20.86
	256QAM	1	0	19.05	19.31	18.98
		1	12	18.82	19.30	19.38
		1	24	19.38	19.56	19.08
		25	0	18.81	18.99	19.00

LTE Band 13 (ANT E)

BW (MHz)	Mode	RB Allocation	RB offset		23230	
					782.00 MHz	
10 MHz	QPSK	1	0		24.23	
		1	25		24.59	
		1	49		24.27	
		50	0		23.48	
	16QAM	1	0		23.23	
		1	25		23.50	
		1	49		23.93	
		50	0		22.52	
	64QAM	1	0		22.51	
		1	25		22.76	
		1	49		22.11	
		50	0		21.37	
	256QAM	1	0		18.79	
		1	25		19.93	
		1	49		19.20	
		50	0		19.33	
BW (MHz)	Mode	RB Allocation	RB offset	23205	23230	23255
				779.50 MHz	782.00 MHz	784.50 MHz
5 MHz	QPSK	1	0	24.29	24.19	24.42
		1	12	24.28	24.46	24.52
		1	24	24.37	24.57	24.53
		25	0	23.38	23.43	23.35
	16QAM	1	0	23.46	23.48	23.17
		1	12	23.29	23.77	23.81
		1	24	23.68	23.26	23.14
		25	0	22.29	22.47	22.40
	64QAM	1	0	22.42	22.83	22.26
		1	12	22.48	22.54	22.50
		1	24	22.52	22.38	22.93
		25	0	21.45	21.38	21.53
	256QAM	1	0	19.18	19.32	19.84
		1	12	19.18	19.83	19.91
		1	24	19.41	19.20	19.81
		25	0	19.38	19.39	19.43

LTE Band 30 (ANT A)

BW (MHz)	Mode	RB Allocation	RB offset		27710	
					2310.00 MHz	
10 MHz	QPSK	1	0		22.34	
		1	25		22.31	
		1	49		22.33	
		50	0		21.34	
	16QAM	1	0		21.05	
		1	25		21.48	
		1	49		21.58	
		50	0		20.48	
	64QAM	1	0		21.21	
		1	25		21.37	
		1	49		20.98	
		50	0		20.36	
	256QAM	1	0		17.54	
		1	25		17.29	
		1	49		17.81	
		50	0		17.44	
BW (MHz)	Mode	RB Allocation	RB offset	27685	27710	27735
				2307.50 MHz	2310.00 MHz	2312.50 MHz
5 MHz	QPSK	1	0	22.54	22.41	22.39
		1	12	22.31	22.59	22.39
		1	24	22.41	22.41	22.43
		25	0	21.41	21.41	21.50
	16QAM	1	0	20.24	21.16	21.72
		1	12	21.19	21.47	21.53
		1	24	20.96	21.22	21.54
		25	0	20.41	20.41	20.52
	64QAM	1	0	19.61	20.61	20.44
		1	12	20.35	20.50	20.96
		1	24	20.19	20.02	20.98
		25	0	19.30	19.54	19.50
	256QAM	1	0	16.67	17.29	17.75
		1	12	16.85	17.82	17.34
		1	24	16.97	17.61	17.31
		25	0	17.44	17.45	17.51

LTE Band 30 (ANT F)

BW (MHz)	Mode	RB Allocation	RB offset		27710	
					2310.00 MHz	
10 MHz	QPSK	1	0		23.41	
		1	25		23.38	
		1	49		23.49	
		50	0		22.42	
	16QAM	1	0		22.49	
		1	25		22.47	
		1	49		22.46	
		50	0		21.46	
	64QAM	1	0		21.43	
		1	25		21.49	
		1	49		21.48	
		50	0		20.47	
	256QAM	1	0		18.37	
		1	25		18.47	
		1	49		17.96	
		50	0		18.45	
BW (MHz)	Mode	RB Allocation	RB offset	27685	27710	27735
				2307.50 MHz	2310.00 MHz	2312.50 MHz
5 MHz	QPSK	1	0	23.26	23.38	23.19
		1	12	23.49	23.29	23.46
		1	24	23.38	23.41	23.39
		25	0	22.47	22.46	22.41
	16QAM	1	0	22.44	22.39	22.49
		1	12	22.48	22.48	22.42
		1	24	22.47	22.38	22.39
		25	0	21.48	21.45	21.45
	64QAM	1	0	21.47	21.27	21.46
		1	12	21.47	21.46	21.48
		1	24	21.21	21.42	21.37
		25	0	20.40	20.37	20.41
	256QAM	1	0	18.43	18.44	18.31
		1	12	18.42	18.37	18.34
		1	24	18.39	18.41	18.37
		25	0	18.45	18.41	18.41

LTE Band 41 (PC3) (ANT B)

BW (MHz)	Mode	RB Allocation	RB offset	39750	40620	41490
				2506.00 MHz	2593.00 MHz	2680.00 MHz
20 MHz	QPSK	1	0	24.19	23.78	23.37
		1	49	24.07	23.78	23.36
		1	99	23.99	23.47	23.02
		100	0	23.15	22.73	22.36
	16QAM	1	0	23.58	23.05	22.81
		1	49	23.37	22.97	22.90
		1	99	23.56	22.80	22.36
		100	0	22.18	21.74	21.39
	64QAM	1	0	22.32	21.98	21.36
		1	49	22.53	21.94	21.78
		1	99	22.01	21.67	21.42
		100	0	21.11	20.78	20.33
	256QAM	1	0	19.16	19.00	18.92
		1	49	19.44	19.00	18.72
		1	99	19.02	18.52	18.25
		100	0	19.12	18.73	18.39
BW (MHz)	Mode	RB Allocation	RB offset	39725	40620	41515
				2503.50 MHz	2593.00 MHz	2682.50 MHz
15 MHz	QPSK	1	0	23.96	23.83	23.28
		1	37	24.04	23.82	23.43
		1	74	23.92	23.75	23.32
		75	0	23.16	22.71	22.32
	16QAM	1	0	23.24	22.96	22.72
		1	37	23.07	22.97	22.23
		1	74	23.07	22.78	22.69
		75	0	22.11	21.73	21.32
	64QAM	1	0	22.24	22.06	21.53
		1	37	22.33	21.91	21.64
		1	74	22.11	21.68	21.03
		75	0	21.13	20.74	20.44
	256QAM	1	0	19.44	18.71	18.53
		1	37	19.29	18.89	18.66
		1	74	19.18	18.83	18.55
		75	0	19.31	18.78	18.41

BW (MHz)	Mode	RB Allocation	RB offset	39700	40620	41540
				2501.00 MHz	2593.00 MHz	2685.00 MHz
10 MHz	QPSK	1	0	23.97	23.73	23.62
		1	25	24.03	23.76	23.36
		1	49	23.95	23.62	23.30
		50	0	23.05	22.79	22.28
	16QAM	1	0	23.16	23.13	22.64
		1	25	23.21	22.96	22.65
		1	49	23.10	22.63	22.29
		50	0	22.08	21.77	21.32
	64QAM	1	0	22.32	22.04	21.45
		1	25	22.41	21.85	21.62
		1	49	22.07	21.95	21.40
		50	0	21.10	20.72	20.34
	256QAM	1	0	19.33	19.05	18.54
		1	25	19.32	19.07	18.65
		1	49	19.19	18.99	18.44
		50	0	19.07	18.84	18.37
BW (MHz)	Mode	RB Allocation	RB offset	39675	40620	41565
				2498.50 MHz	2593.00 MHz	2687.50 MHz
5 MHz	QPSK	1	0	24.18	23.74	23.32
		1	12	24.06	23.77	23.33
		1	24	24.11	23.73	23.28
		25	0	23.13	22.75	22.34
	16QAM	1	0	23.32	22.95	22.56
		1	12	23.31	22.80	22.45
		1	24	23.11	22.68	22.28
		25	0	22.08	21.77	21.39
	64QAM	1	0	22.32	21.93	21.34
		1	12	22.41	22.10	21.48
		1	24	22.23	21.63	21.38
		25	0	21.19	20.79	20.42
	256QAM	1	0	19.09	18.77	18.38
		1	12	19.36	18.81	18.47
		1	24	19.22	18.47	18.32
		25	0	19.12	18.74	18.40

LTE Band 41 (PC3) (ANT F)

BW (MHz)	Mode	RB Allocation	RB offset	39750	40620	41490
				2506.00 MHz	2593.00 MHz	2680.00 MHz
20 MHz	QPSK	1	0	24.07	24.04	23.96
		1	49	24.11	24.06	24.10
		1	99	24.04	23.89	23.46
		100	0	23.15	23.12	22.78
	16QAM	1	0	23.48	23.08	23.24
		1	49	23.16	23.08	23.20
		1	99	23.10	22.73	22.88
		100	0	22.06	21.87	21.79
	64QAM	1	0	22.16	22.28	22.03
		1	49	22.40	22.03	21.86
		1	99	22.35	21.71	21.84
		100	0	21.02	20.92	20.87
	256QAM	1	0	19.03	18.25	19.25
		1	49	18.97	19.14	19.15
		1	99	19.17	19.17	19.05
		100	0	19.11	19.02	18.90
BW (MHz)	Mode	RB Allocation	RB offset	39725	40620	41515
				2503.50 MHz	2593.00 MHz	2682.50 MHz
15 MHz	QPSK	1	0	24.05	23.83	24.14
		1	37	24.31	24.04	23.88
		1	74	23.98	23.57	23.71
		75	0	23.08	23.05	22.83
	16QAM	1	0	23.00	23.09	23.10
		1	37	23.31	23.06	22.82
		1	74	23.27	22.95	23.22
		75	0	22.02	22.00	21.72
	64QAM	1	0	22.28	22.34	22.08
		1	37	22.20	22.37	22.15
		1	74	22.14	22.24	21.89
		75	0	21.06	21.08	20.74
	256QAM	1	0	19.26	19.01	18.88
		1	37	19.17	19.18	19.17
		1	74	19.07	18.74	18.87
		75	0	19.05	18.92	18.85

BW (MHz)	Mode	RB Allocation	RB offset	39700	40620	41540
				2501.00 MHz	2593.00 MHz	2685.00 MHz
10 MHz	QPSK	1	0	23.97	23.97	23.94
		1	25	24.05	24.03	24.11
		1	49	23.77	23.91	23.77
		50	0	23.03	23.06	22.77
	16QAM	1	0	23.06	23.23	23.06
		1	25	23.19	23.07	23.02
		1	49	23.09	22.89	22.72
		50	0	22.07	22.00	21.89
	64QAM	1	0	22.19	21.88	22.11
		1	25	22.38	21.91	21.85
		1	49	22.12	21.92	21.80
		50	0	21.03	20.95	20.80
	256QAM	1	0	19.03	18.95	19.09
		1	25	19.50	18.95	19.01
		1	49	19.11	19.04	18.82
		50	0	19.05	18.99	18.84
BW (MHz)	Mode	RB Allocation	RB offset	39675	40620	41565
				2498.50 MHz	2593.00 MHz	2687.50 MHz
5 MHz	QPSK	1	0	24.05	23.88	23.85
		1	12	24.19	23.95	23.90
		1	24	23.98	23.88	23.76
		25	0	23.08	23.02	22.88
	16QAM	1	0	23.23	23.17	22.81
		1	12	23.31	22.98	23.10
		1	24	23.23	22.82	22.84
		25	0	22.01	21.93	21.81
	64QAM	1	0	22.30	22.17	21.87
		1	12	22.19	22.21	22.01
		1	24	22.38	21.93	22.04
		25	0	21.20	20.92	20.78
	256QAM	1	0	19.00	19.11	18.99
		1	12	19.37	18.98	18.92
		1	24	19.27	18.96	18.82
		25	0	19.04	18.94	18.82

LTE Band 66 (ANT A)

BW (MHz)	Mode	RB Allocation	RB offset	132072	132322	132572
				1720.00 MHz	1745.00 MHz	1770.00 MHz
20 MHz	QPSK	1	0	24.04	23.97	23.27
		1	49	24.26	24.10	24.38
		1	99	23.95	23.93	24.24
		100	0	23.11	23.13	22.95
	16QAM	1	0	23.10	23.43	22.44
		1	49	23.02	23.08	22.92
		1	99	23.19	22.87	23.43
		100	0	22.13	22.19	22.12
	64QAM	1	0	22.79	21.99	21.76
		1	49	22.15	22.83	22.23
		1	99	22.20	22.11	21.88
		100	0	21.16	21.04	21.04
	256QAM	1	0	19.24	18.95	18.52
		1	49	19.07	19.47	18.82
		1	99	19.25	19.47	19.41
		100	0	19.09	19.19	18.99
BW (MHz)	Mode	RB Allocation	RB offset	132047	132322	132597
				1717.50 MHz	1745.00 MHz	1772.50 MHz
15 MHz	QPSK	1	0	23.96	24.18	23.89
		1	37	24.06	24.66	23.81
		1	74	23.92	23.98	23.78
		75	0	23.15	23.03	23.03
	16QAM	1	0	23.30	23.35	22.61
		1	37	23.12	23.49	23.30
		1	74	22.94	23.54	22.92
		75	0	22.21	22.13	21.94
	64QAM	1	0	22.88	22.21	21.97
		1	37	22.34	22.29	22.15
		1	74	22.46	22.58	21.63
		75	0	21.01	21.04	20.89
	256QAM	1	0	19.03	19.21	18.85
		1	37	19.35	19.63	18.98
		1	74	18.95	19.09	18.75
		75	0	19.21	19.13	18.89

BW (MHz)	Mode	RB Allocation	RB offset	132022	132322	132622
				1715.00 MHz	1745.00 MHz	1775.00 MHz
10 MHz	QPSK	1	0	24.13	23.95	23.89
		1	25	24.14	24.17	24.11
		1	49	23.98	24.11	23.91
		50	0	23.08	23.19	23.13
	16QAM	1	0	23.06	22.78	22.61
		1	25	23.25	23.46	22.89
		1	49	23.32	23.28	22.69
		50	0	22.13	22.09	21.98
	64QAM	1	0	22.19	22.51	21.77
		1	25	22.43	22.39	21.99
		1	49	22.39	22.17	22.35
		50	0	21.04	21.07	21.01
	256QAM	1	0	18.72	19.40	19.26
		1	25	19.38	19.23	18.84
		1	49	19.01	19.09	19.11
		50	0	19.15	19.09	18.97
BW (MHz)	Mode	RB Allocation	RB offset	131997	132322	132647
				1712.50 MHz	1745.00 MHz	1777.50 MHz
5 MHz	QPSK	1	0	24.15	24.15	23.63
		1	12	24.01	24.15	24.15
		1	24	24.00	24.06	23.82
		25	0	23.07	22.96	22.93
	16QAM	1	0	23.52	23.30	23.01
		1	12	22.95	23.36	22.79
		1	24	23.09	23.41	22.82
		25	0	22.21	22.16	21.96
	64QAM	1	0	22.29	22.08	22.05
		1	12	22.61	22.09	21.86
		1	24	22.46	22.71	21.54
		25	0	21.15	21.11	20.96
	256QAM	1	0	19.12	19.33	18.95
		1	12	19.27	19.33	18.78
		1	24	19.03	19.26	18.95
		25	0	19.10	19.08	18.90

BW (MHz)	Mode	RB Allocation	RB offset	131987	132322	132657
				1711.50 MHz	1745.00 MHz	1778.50 MHz
3 MHz	QPSK	1	0	24.02	24.06	23.76
		1	8	24.18	24.13	23.91
		1	14	23.78	24.17	23.69
		15	0	23.10	23.17	22.86
	16QAM	1	0	23.18	23.52	22.94
		1	8	23.50	22.98	22.58
		1	14	22.88	23.05	22.95
		15	0	22.13	22.07	21.98
	64QAM	1	0	22.24	22.42	21.91
		1	8	22.51	21.84	21.95
		1	14	22.41	22.26	21.83
		15	0	21.21	20.97	20.99
	256QAM	1	0	19.45	19.28	19.11
		1	8	19.12	19.17	18.95
		1	14	19.14	19.36	18.81
		15	0	19.12	19.10	18.96
BW (MHz)	Mode	RB Allocation	RB offset	131979	132322	132665
				1710.70 MHz	1745.00 MHz	1779.30 MHz
1.4 MHz	QPSK	1	0	23.81	23.78	23.71
		1	3	23.73	23.90	23.86
		1	5	24.11	24.14	23.84
		6	0	23.06	23.14	22.85
	16QAM	1	0	23.06	23.07	22.58
		1	3	23.21	23.49	22.95
		1	5	22.89	23.06	22.56
		6	0	22.07	22.26	21.68
	64QAM	1	0	22.28	22.13	22.06
		1	3	21.67	22.28	22.09
		1	5	22.45	22.48	21.76
		6	0	21.13	21.18	20.87
	256QAM	1	0	18.65	19.08	18.84
		1	3	19.10	19.46	18.68
		1	5	19.31	19.25	18.97
		6	0	18.94	19.21	18.67

LTE Band 66 (ANT F)

BW (MHz)	Mode	RB Allocation	RB offset	132072	132322	132572
				1720.00 MHz	1745.00 MHz	1770.00 MHz
20 MHz	QPSK	1	0	24.48	24.12	24.28
		1	49	24.47	24.17	24.26
		1	99	24.29	24.20	24.38
		100	0	23.39	23.30	23.19
	16QAM	1	0	23.51	22.69	23.41
		1	49	23.55	23.75	23.22
		1	99	23.26	23.10	23.82
		100	0	22.34	22.31	22.31
	64QAM	1	0	21.93	22.19	22.34
		1	49	22.21	22.27	22.38
		1	99	22.61	22.06	22.72
		100	0	21.39	21.32	21.25
	256QAM	1	0	19.56	19.30	18.99
		1	49	19.41	19.55	19.75
		1	99	19.46	19.39	19.38
		100	0	19.45	19.23	19.25
BW (MHz)	Mode	RB Allocation	RB offset	132047	132322	132597
				1717.50 MHz	1745.00 MHz	1772.50 MHz
15 MHz	QPSK	1	0	24.29	24.21	24.13
		1	37	24.22	24.35	24.62
		1	74	24.12	24.24	24.14
		75	0	23.37	23.29	23.35
	16QAM	1	0	23.45	23.18	23.38
		1	37	23.42	22.82	23.76
		1	74	23.52	23.25	23.51
		75	0	22.37	22.28	22.32
	64QAM	1	0	22.12	22.22	22.54
		1	37	22.92	22.44	22.44
		1	74	22.42	22.51	22.49
		75	0	21.41	21.24	21.29
	256QAM	1	0	19.62	19.31	19.30
		1	37	19.84	19.40	19.03
		1	74	19.02	18.98	19.37
		75	0	19.43	19.28	19.34

BW (MHz)	Mode	RB Allocation	RB offset	132022	132322	132622
				1715.00 MHz	1745.00 MHz	1775.00 MHz
10 MHz	QPSK	1	0	24.32	24.13	24.22
		1	25	24.24	24.13	24.35
		1	49	24.40	24.14	24.24
		50	0	23.37	23.29	23.35
	16QAM	1	0	23.38	23.35	23.41
		1	25	23.56	23.76	23.44
		1	49	23.13	23.09	23.35
		50	0	22.42	22.24	22.35
	64QAM	1	0	22.55	22.26	22.24
		1	25	22.08	22.76	22.41
		1	49	22.53	22.05	22.60
		50	0	21.42	21.25	21.32
	256QAM	1	0	19.46	18.99	19.75
		1	25	19.34	19.45	19.44
		1	49	19.35	18.93	19.57
		50	0	19.39	19.27	19.38
BW (MHz)	Mode	RB Allocation	RB offset	131997	132322	132647
				1712.50 MHz	1745.00 MHz	1777.50 MHz
5 MHz	QPSK	1	0	24.31	24.08	24.30
		1	12	24.40	24.36	24.25
		1	24	24.44	24.21	24.13
		25	0	23.38	23.27	23.30
	16QAM	1	0	23.27	23.33	23.09
		1	12	23.35	23.51	23.34
		1	24	23.66	22.95	23.28
		25	0	22.51	22.28	22.41
	64QAM	1	0	22.72	22.38	22.14
		1	12	22.75	22.35	22.75
		1	24	22.68	22.29	22.53
		25	0	21.46	21.20	21.26
	256QAM	1	0	19.85	19.53	19.07
		1	12	19.17	19.70	19.46
		1	24	19.48	19.34	19.24
		25	0	19.50	19.19	19.37

BW (MHz)	Mode	RB Allocation	RB offset	131987	132322	132657
				1711.50 MHz	1745.00 MHz	1778.50 MHz
3 MHz	QPSK	1	0	24.25	24.12	24.13
		1	8	24.27	24.16	24.27
		1	14	24.17	23.99	24.32
		15	0	23.41	23.23	23.34
	16QAM	1	0	23.03	23.07	23.39
		1	8	23.64	23.22	23.52
		1	14	23.19	23.03	23.42
		15	0	22.57	22.31	22.20
	64QAM	1	0	22.63	22.16	22.43
		1	8	22.48	22.27	22.30
		1	14	22.58	22.10	22.23
		15	0	21.44	21.34	21.45
	256QAM	1	0	19.43	19.09	19.12
		1	8	19.72	19.38	19.35
		1	14	19.31	19.37	19.37
		15	0	19.30	19.28	19.35
BW (MHz)	Mode	RB Allocation	RB offset	131979	132322	132665
				1710.70 MHz	1745.00 MHz	1779.30 MHz
1.4 MHz	QPSK	1	0	24.31	24.16	24.27
		1	3	24.36	24.22	24.00
		1	5	24.35	24.23	24.22
		6	0	23.43	23.17	23.21
	16QAM	1	0	23.29	23.02	23.01
		1	3	23.45	22.83	23.27
		1	5	23.50	23.25	23.31
		6	0	22.20	22.13	22.39
	64QAM	1	0	22.54	22.28	21.90
		1	3	22.71	22.30	22.28
		1	5	22.38	21.95	22.44
		6	0	21.45	21.28	21.51
	256QAM	1	0	19.36	19.52	19.54
		1	3	19.61	19.07	19.29
		1	5	19.52	19.50	19.14
		6	0	19.25	19.25	19.38

LTE Band 71 (ANT A)

BW (MHz)	Mode	RB Allocation	RB offset	133222	133297	133372
				673.00 MHz	680.50 MHz	688.00 MHz
20 MHz	QPSK	1	0	24.19	24.22	24.34
		1	49	24.41	24.56	24.16
		1	99	24.34	23.90	24.55
		100	0	23.38	23.40	23.49
	16QAM	1	0	23.34	23.09	23.43
		1	49	23.94	23.75	23.34
		1	99	23.60	23.17	23.38
		100	0	22.41	22.47	22.61
	64QAM	1	0	22.54	22.52	22.63
		1	49	22.83	22.60	22.73
		1	99	22.95	22.36	22.77
		100	0	21.47	21.51	21.60
	256QAM	1	0	19.29	19.21	19.67
		1	49	19.26	19.36	19.02
		1	99	19.57	18.89	19.75
		100	0	19.32	19.54	19.58
BW (MHz)	Mode	RB Allocation	RB offset	133197	133297	133397
				670.50 MHz	680.50 MHz	690.50 MHz
15 MHz	QPSK	1	0	24.20	24.38	24.32
		1	37	24.36	24.51	23.96
		1	74	24.21	24.36	24.42
		75	0	23.41	23.34	23.60
	16QAM	1	0	23.51	23.47	23.52
		1	37	23.56	23.46	23.55
		1	74	23.63	23.35	23.67
		75	0	22.32	22.60	22.70
	64QAM	1	0	22.04	22.89	22.76
		1	37	22.43	22.82	22.86
		1	74	22.32	22.37	22.60
		75	0	21.35	21.36	21.60
	256QAM	1	0	18.99	19.16	19.70
		1	37	19.45	19.68	19.14
		1	74	19.75	19.71	19.32
		75	0	19.35	19.41	19.68

BW (MHz)	Mode	RB Allocation	RB offset	133172	133297	133422
				668.00 MHz	680.50 MHz	693.00 MHz
10 MHz	QPSK	1	0	24.60	24.18	24.00
		1	25	24.34	24.35	24.64
		1	49	24.36	23.95	24.64
		50	0	23.35	23.40	23.58
	16QAM	1	0	24.02	23.94	22.98
		1	25	23.09	24.01	23.65
		1	49	23.85	23.60	23.37
		50	0	22.45	22.52	22.66
	64QAM	1	0	22.77	22.67	22.03
		1	25	22.30	22.58	22.99
		1	49	22.34	22.60	23.21
		50	0	21.17	21.49	21.71
	256QAM	1	0	19.63	19.48	19.30
		1	25	19.14	19.46	19.80
		1	49	18.86	19.25	19.29
		50	0	19.40	19.44	19.60
BW (MHz)	Mode	RB Allocation	RB offset	133147	133297	133447
				665.50 MHz	680.50 MHz	695.50 MHz
5 MHz	QPSK	1	0	24.15	24.40	24.64
		1	12	24.55	24.30	24.71
		1	24	24.29	24.54	24.59
		25	0	23.22	23.32	23.60
	16QAM	1	0	23.42	23.91	23.82
		1	12	23.34	23.36	23.52
		1	24	23.16	23.40	24.14
		25	0	22.40	22.50	22.45
	64QAM	1	0	22.46	22.64	22.65
		1	12	22.25	22.81	22.55
		1	24	22.02	22.61	22.94
		25	0	21.35	21.45	21.66
	256QAM	1	0	19.66	19.60	19.75
		1	12	19.15	19.78	19.58
		1	24	19.32	19.90	19.73
		25	0	19.11	19.59	19.57

LTE Band 71 (ANT E)

BW (MHz)	Mode	RB Allocation	RB offset	133222	133297	133372
				673.00 MHz	680.50 MHz	688.00 MHz
20 MHz	QPSK	1	0	25.04	25.15	25.07
		1	49	25.14	25.10	25.10
		1	99	24.96	25.00	24.84
		100	0	24.06	24.14	24.10
	16QAM	1	0	24.37	23.98	24.28
		1	49	24.41	24.13	24.26
		1	99	24.33	24.29	24.45
		100	0	23.04	23.14	23.21
	64QAM	1	0	23.44	23.38	23.23
		1	49	23.39	23.33	23.30
		1	99	23.38	22.73	22.91
		100	0	22.21	22.17	22.20
	256QAM	1	0	19.92	19.86	20.20
		1	49	20.21	20.28	20.29
		1	99	20.21	20.11	20.27
		100	0	19.99	20.03	20.26
BW (MHz)	Mode	RB Allocation	RB offset	133197	133297	133397
				670.50 MHz	680.50 MHz	690.50 MHz
15 MHz	QPSK	1	0	24.98	25.14	25.14
		1	37	24.86	25.05	25.14
		1	74	24.89	25.23	24.96
		75	0	24.06	24.17	24.14
	16QAM	1	0	24.42	23.78	24.39
		1	37	23.94	23.90	24.05
		1	74	23.90	24.50	24.48
		75	0	22.96	23.08	23.17
	64QAM	1	0	22.91	23.07	23.32
		1	37	23.12	22.82	23.26
		1	74	22.95	23.26	23.50
		75	0	22.06	22.13	22.19
	256QAM	1	0	20.30	20.40	20.12
		1	37	20.22	20.18	19.67
		1	74	19.99	19.82	20.48
		75	0	19.99	20.14	20.23

BW (MHz)	Mode	RB Allocation	RB offset	133172	133297	133422
				668.00 MHz	680.50 MHz	693.00 MHz
10 MHz	QPSK	1	0	24.94	25.24	25.26
		1	25	25.35	25.34	24.68
		1	49	24.93	25.23	25.00
		50	0	24.02	24.12	24.18
	16QAM	1	0	24.28	24.23	24.02
		1	25	24.25	24.29	23.57
		1	49	23.73	24.29	24.08
		50	0	22.95	23.15	23.20
	64QAM	1	0	23.15	23.15	23.14
		1	25	23.20	23.39	22.33
		1	49	23.14	23.14	23.21
		50	0	21.92	22.11	22.21
	256QAM	1	0	19.88	20.47	19.96
		1	25	19.93	19.74	19.22
		1	49	20.23	20.27	20.20
		50	0	19.84	20.10	20.24
BW (MHz)	Mode	RB Allocation	RB offset	133147	133297	133447
				665.50 MHz	680.50 MHz	695.50 MHz
5 MHz	QPSK	1	0	24.91	25.29	24.73
		1	12	24.91	25.08	24.85
		1	24	24.85	25.10	24.83
		25	0	23.89	24.13	24.16
	16QAM	1	0	24.07	24.48	23.75
		1	12	24.09	24.41	24.01
		1	24	23.90	24.18	23.83
		25	0	22.88	23.16	23.19
	64QAM	1	0	23.13	22.85	22.64
		1	12	23.21	22.98	22.52
		1	24	23.31	23.31	23.44
		25	0	21.89	22.09	22.21
	256QAM	1	0	19.93	19.80	19.80
		1	12	19.94	20.32	20.45
		1	24	19.95	20.17	20.19
		25	0	19.75	20.05	20.13

NR Band n7 (ANT B)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	505000	507000	509000
					2525.00 MHz	2535.00 MHz	2545.00 MHz
40 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.25	22.55	22.41
			1	1	23.02	23.45	23.41
			1	107	23.36	23.38	23.25
			1	214	23.42	23.20	23.06
			1	215	22.41	22.14	21.89
			216	0	22.42	22.38	22.26
		QPSK	1	0	22.08	21.94	21.90
			1	1	22.92	23.51	23.44
			1	107	23.43	23.39	23.22
			1	214	23.40	23.24	23.06
			1	215	21.85	21.67	21.39
			216	0	22.47	22.42	22.28
		16QAM	1	0	20.77	20.93	20.87
			1	1	21.94	22.43	22.40
			1	107	22.47	22.37	22.11
			1	214	22.32	22.07	22.02
			1	215	20.77	20.58	20.36
			216	0	21.10	20.93	20.76
		64QAM	1	1	20.47	21.04	21.00
		256QAM	1	1	17.91	18.57	18.41
	CP-OFDM	QPSK	1	0	20.04	20.03	19.93
			1	1	21.63	21.43	21.47
			1	107	21.84	21.35	21.19
			1	214	21.54	21.27	20.99
			1	215	19.98	19.76	19.46
			216	0	20.09	20.07	19.88
		16QAM	1	0	20.05	20.15	20.06
			1	1	21.08	21.10	21.01
			1	107	21.17	20.90	20.69
			1	214	21.00	20.48	20.50
			1	215	20.00	19.81	19.60
			216	0	20.08	19.95	19.78
		64QAM	1	1	19.32	19.16	19.09
		256QAM	1	1	16.52	16.88	16.70
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	503500	507000	510500
					2517.50 MHz	2535.00 MHz	2552.50 MHz
35 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.13	22.50	22.38
			1	1	23.31	23.34	23.41
			1	93	23.47	23.41	23.38
			1	186	23.37	23.38	23.41
			1	187	22.45	22.19	21.90
			180	0	22.42	22.40	22.31
		QPSK	1	0	21.72	22.01	21.84
			1	1	22.92	23.49	23.38
			1	93	23.47	23.43	23.34
			1	186	23.40	23.24	23.13
			1	187	21.89	21.70	21.41
			180	0	22.48	22.43	22.32
		16QAM	1	1	21.89	22.52	22.32
			1	93	22.45	22.30	22.10
			1	186	22.33	22.13	22.04
		64QAM	1	1	20.34	21.01	21.02
		256QAM	1	1	17.90	18.52	18.45
	CP-OFDM	QPSK	1	1	21.62	22.07	21.93

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	503000	507000	511000
					2515.00 MHz	2535.00 MHz	2555.00 MHz
30 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.20	22.47	22.36
			1	1	22.97	23.45	23.37
			1	79	23.43	23.33	23.03
			1	158	23.47	23.24	23.04
			1	159	22.51	22.29	21.99
			160	0	22.36	22.39	22.30
		QPSK	1	0	21.79	21.99	21.90
			1	1	22.89	23.50	23.36
			1	79	23.30	23.36	23.01
			1	158	23.46	23.27	23.06
			1	159	21.97	21.71	21.48
			160	0	22.43	22.42	22.29
		16QAM	1	1	21.91	22.59	22.23
			1	79	22.50	22.30	21.97
			1	158	22.43	22.21	21.99
		64QAM	1	1	20.34	21.03	20.92
		256QAM	1	1	17.94	18.52	18.29
	CP-OFDM	QPSK	1	1	21.58	22.09	21.89
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	502500	507000	511500
					2512.50 MHz	2535.00 MHz	2557.50 MHz
25 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.00	22.54	22.27
			1	1	22.80	23.31	23.34
			1	66	23.50	23.45	23.20
			1	131	23.45	23.12	23.09
			1	132	22.65	22.33	22.08
			128	0	22.47	22.30	22.25
		QPSK	1	0	21.57	21.98	21.82
			1	1	22.87	23.45	23.29
			1	66	23.53	23.43	23.14
			1	131	23.46	23.34	23.13
			1	132	22.00	21.87	21.51
			128	0	22.48	22.42	22.15
		16QAM	1	1	21.78	22.58	22.21
			1	66	22.47	22.24	22.07
			1	131	22.58	22.18	22.10
		64QAM	1	1	20.28	21.02	20.89
		256QAM	1	1	17.92	18.45	18.36
	CP-OFDM	QPSK	1	1	21.42	22.01	21.87
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	502000	507000	512000
					2510.00 MHz	2535.00 MHz	2560.00 MHz
20 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.50	22.49	22.23
			1	1	23.36	23.41	23.31
			1	52	23.36	23.40	23.08
			1	104	23.17	23.33	22.95
			1	105	22.14	22.26	21.90
			100	0	22.46	22.39	22.15
		QPSK	1	0	21.86	21.88	21.74
			1	1	23.39	23.44	23.28
			1	52	23.38	23.35	23.14
			1	104	23.05	23.36	23.15
			1	105	21.81	21.82	21.39
			100	0	22.47	22.42	22.18
		16QAM	1	1	22.42	22.47	22.29
			1	52	22.43	22.33	22.19
			1	104	22.08	22.18	22.18
		64QAM	1	1	20.98	20.94	20.89
		256QAM	1	1	18.33	18.38	18.20
	CP-OFDM	QPSK	1	1	21.97	22.05	21.86

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	501500	507000	512500
					2507.50 MHz	2535.00 MHz	2562.50 MHz
15 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.50	22.49	22.22
			1	1	23.39	23.41	23.28
			1	39	23.46	23.39	23.09
			1	77	23.45	23.44	23.04
			1	78	22.62	22.42	21.98
			75	0	22.45	22.37	22.27
		QPSK	1	0	21.88	21.96	21.64
			1	1	23.42	23.42	23.30
			1	39	23.38	23.35	23.12
			1	77	23.44	23.29	23.13
			1	78	21.95	21.91	21.41
			75	0	22.44	22.35	22.18
		16QAM	1	1	22.50	22.34	22.22
			1	39	22.35	22.20	22.08
			1	77	22.49	22.19	22.23
		64QAM	1	1	20.99	20.98	20.88
		256QAM	1	1	18.42	18.38	18.31
	CP-OFDM	QPSK	1	1	22.01	21.96	21.85
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	501000	507000	513000
					2505.00 MHz	2535.00 MHz	2565.00 MHz
10 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.54	22.50	22.16
			1	1	23.40	23.38	23.41
			1	25	23.41	23.39	23.44
			1	50	23.47	23.41	23.38
			1	51	22.56	22.41	22.03
			50	0	22.39	22.44	22.10
		QPSK	1	0	21.95	21.95	21.62
			1	1	23.43	23.50	23.20
			1	25	23.43	23.43	23.17
			1	50	23.37	23.32	23.04
			1	51	22.06	21.99	21.41
			50	0	22.45	22.36	22.13
		16QAM	1	1	22.45	22.31	22.13
			1	25	22.32	22.23	22.13
			1	50	22.39	22.23	22.10
		64QAM	1	1	20.93	20.90	20.72
		256QAM	1	1	18.35	18.27	18.08
	CP-OFDM	QPSK	1	1	22.05	21.96	21.95
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	500500	507000	513500
					2502.50 MHz	2535.00 MHz	2567.50 MHz
5 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.74	22.60	22.13
			1	1	23.47	23.45	23.48
			1	12	23.49	23.45	23.47
			1	23	23.53	23.46	23.51
			1	24	22.60	22.61	22.10
			25	0	22.47	22.41	22.10
		QPSK	1	0	22.05	22.05	21.54
			1	1	23.49	23.43	23.19
			1	12	23.52	23.38	23.17
			1	23	23.52	23.39	23.18
			1	24	22.03	22.10	21.55
			25	0	22.51	22.38	22.48
		16QAM	1	1	22.59	22.35	22.41
			1	12	22.56	22.35	22.16
			1	23	22.52	22.36	22.27
		64QAM	1	1	21.09	20.99	20.74
		256QAM	1	1	18.41	18.30	18.09
	CP-OFDM	QPSK	1	1	22.18	21.99	21.73

NR Band n7 (ANT F)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	503500	507000	510500
					2517.50 MHz	2535.00 MHz	2552.50 MHz
40 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.71	22.64	22.77
			1	1	23.51	23.57	23.63
			1	107	23.47	23.52	23.62
			1	214	23.65	23.61	23.59
			1	215	22.84	22.75	22.54
			216	0	22.70	22.66	22.65
		QPSK	1	0	22.14	22.13	22.26
			1	1	23.54	23.51	23.53
			1	107	23.49	23.56	23.66
			1	214	23.65	23.64	23.61
			1	215	22.39	22.11	21.98
			216	0	22.67	22.62	22.55
		16QAM	1	0	21.56	21.30	21.41
			1	1	22.36	22.43	22.62
			1	107	22.45	22.68	22.67
			1	214	22.71	22.52	22.48
			1	215	21.30	21.43	21.26
			216	0	21.52	21.37	21.33
		64QAM	1	1	21.19	21.20	21.23
		256QAM	1	1	18.61	18.59	18.65
	CP-OFDM	QPSK	1	0	20.28	20.36	20.29
			1	1	22.02	21.87	22.04
			1	107	22.05	21.94	21.97
			1	214	21.92	21.96	21.71
			1	215	20.47	20.26	20.14
			216	0	20.53	20.49	20.33
		16QAM	1	0	20.32	20.37	20.44
			1	1	21.47	21.64	21.59
			1	107	21.45	21.65	21.55
			1	214	21.28	21.59	21.34
			1	215	20.35	20.46	20.23
			216	0	20.45	20.40	20.23
		64QAM	1	1	20.01	19.91	20.10
		256QAM	1	1	17.41	16.92	17.04
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	503500	507000	510500
					2517.50 MHz	2535.00 MHz	2552.50 MHz
35 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.62	22.72	22.69
			1	1	23.45	23.48	23.59
			1	93	23.52	23.65	23.60
			1	186	23.62	23.67	23.54
			1	187	22.82	22.72	22.52
			180	0	22.58	22.69	22.63
		QPSK	1	0	22.15	22.19	22.37
			1	1	23.45	23.57	23.59
			1	93	23.55	23.67	23.53
			1	186	23.66	23.70	23.52
			1	187	22.46	22.24	22.05
			180	0	22.50	22.64	22.62
		16QAM	1	1	22.39	22.46	22.68
			1	93	22.37	22.68	22.59
			1	186	22.65	22.51	22.51
		64QAM	1	1	21.19	21.19	21.28
		256QAM	1	1	18.58	18.65	18.64
	CP-OFDM	QPSK	1	1	22.20	22.18	22.31

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	503000	507000	511000
					2515.00 MHz	2535.00 MHz	2555.00 MHz
30 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.72	22.77	22.94
			1	1	23.56	23.61	23.78
			1	79	23.52	23.75	23.72
			1	158	23.65	23.70	23.63
			1	159	22.95	22.74	22.56
			160	0	22.48	22.71	22.53
		QPSK	1	0	22.24	22.21	22.33
			1	1	23.59	23.63	23.77
			1	79	23.48	23.77	23.62
			1	158	23.68	23.75	23.62
			1	159	22.43	22.30	22.07
			160	0	22.54	22.59	22.58
		16QAM	1	1	22.39	22.50	22.67
			1	79	22.37	22.71	22.48
			1	158	22.58	22.59	22.45
		64QAM	1	1	21.20	21.26	21.34
		256QAM	1	1	18.54	18.64	18.74
	CP-OFDM	QPSK	1	1	22.23	22.20	22.28
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	502500	507000	511500
					2512.50 MHz	2535.00 MHz	2557.50 MHz
25 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.82	22.84	22.84
			1	1	23.66	23.60	23.73
			1	66	23.61	23.62	23.62
			1	131	23.69	23.76	23.60
			1	132	22.89	22.86	22.58
			128	0	22.53	22.61	22.52
		QPSK	1	0	22.20	22.35	22.32
			1	1	23.61	23.67	23.77
			1	66	23.60	23.69	23.57
			1	131	23.70	23.76	23.62
			1	132	22.27	22.42	22.12
			128	0	22.54	22.54	22.57
		16QAM	1	1	22.42	22.44	22.74
			1	66	22.48	22.65	22.59
			1	131	22.55	22.62	22.52
		64QAM	1	1	21.20	21.18	21.36
		256QAM	1	1	18.57	18.60	18.69
	CP-OFDM	QPSK	1	1	22.28	22.16	22.31
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	502000	507000	512000
					2510.00 MHz	2535.00 MHz	2560.00 MHz
20 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.61	22.74	22.70
			1	1	23.46	23.66	23.71
			1	52	23.51	23.71	23.67
			1	104	23.55	23.67	23.70
			1	105	22.71	22.71	22.53
			100	0	22.58	22.66	22.67
		QPSK	1	0	22.21	22.20	22.31
			1	1	23.48	23.62	23.73
			1	52	23.52	23.70	23.70
			1	104	23.55	23.70	23.67
			1	105	22.26	22.28	21.98
			100	0	22.57	22.72	22.72
		16QAM	1	1	22.29	22.48	22.58
			1	52	22.49	22.64	22.56
			1	104	22.39	22.58	22.57
		64QAM	1	1	21.09	21.27	21.33
		256QAM	1	1	18.36	18.53	18.60
	CP-OFDM	QPSK	1	1	22.13	22.29	22.33

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	501500	507000	512500
					2507.50 MHz	2535.00 MHz	2562.50 MHz
15 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.65	22.81	22.68
			1	1	23.52	23.68	23.82
			1	39	23.54	23.70	23.71
			1	77	23.62	23.73	23.70
			1	78	22.77	22.80	22.55
			75	0	22.49	22.69	22.63
		QPSK	1	0	22.17	22.37	22.17
			1	1	23.56	23.67	23.79
			1	39	23.53	23.72	23.70
			1	77	23.67	23.76	23.70
			1	78	22.28	22.35	22.08
			75	0	22.48	22.75	22.70
		16QAM	1	1	22.35	22.62	22.57
			1	39	22.42	22.70	22.57
			1	77	22.37	22.70	22.54
		64QAM	1	1	21.16	21.31	21.33
		256QAM	1	1	18.46	18.62	18.66
	CP-OFDM	QPSK	1	1	22.24	22.36	22.42
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	501000	507000	513000
					2505.00 MHz	2535.00 MHz	2565.00 MHz
10 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.68	22.91	22.71
			1	1	23.58	23.63	23.67
			1	25	23.49	23.56	23.60
			1	50	23.59	23.62	23.60
			1	51	22.76	22.85	22.59
			50	0	22.42	21.21	22.57
		QPSK	1	0	22.31	22.41	22.17
			1	1	23.54	23.73	23.71
			1	25	23.48	23.83	23.64
			1	50	23.56	23.80	23.64
			1	51	22.17	22.38	22.08
			50	0	22.46	22.62	22.56
		16QAM	1	1	22.38	22.70	22.66
			1	25	22.38	22.64	22.56
			1	50	22.35	22.74	22.52
		64QAM	1	1	21.17	21.34	21.25
		256QAM	1	1	18.43	18.59	18.57
	CP-OFDM	QPSK	1	1	21.08	22.30	22.31
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	500500	507000	513500
					2502.50 MHz	2535.00 MHz	2567.50 MHz
5 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.71	22.89	22.64
			1	1	23.46	23.64	23.54
			1	12	23.64	23.85	23.73
			1	23	23.56	23.66	23.56
			1	24	22.66	22.92	22.64
			25	0	22.53	22.63	22.56
		QPSK	1	0	22.25	22.47	22.15
			1	1	23.59	23.70	23.53
			1	12	23.64	23.77	23.69
			1	23	23.46	23.69	23.55
			1	24	22.24	22.47	22.08
			25	0	22.51	22.65	22.60
		16QAM	1	1	22.41	22.77	22.50
			1	12	22.50	22.73	22.48
			1	23	22.51	22.74	22.55
		64QAM	1	1	21.14	21.34	21.15
		256QAM	1	1	18.45	18.66	18.57
	CP-OFDM	QPSK	1	1	22.16	22.42	22.21

NR Band n12 (ANT A)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	141300	141500	141700
					706.50 MHz	707.50 MHz	708.50 MHz
15 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.79	23.83	23.82
			1	1	24.51	24.51	24.53
			1	39	24.22	24.25	24.27
			1	76	24.25	24.03	24.19
			1	78	23.58	23.68	23.61
			75	0	23.34	23.32	23.31
		QPSK	1	0	23.32	23.39	23.28
			1	1	24.57	24.56	24.48
			1	39	24.18	24.22	24.14
			1	76	24.22	24.02	24.04
			1	78	23.10	23.10	22.99
			75	0	23.34	23.30	23.25
		16QAM	1	0	22.41	22.52	22.06
			1	1	23.32	23.35	23.38
			1	39	23.21	23.13	23.09
			1	76	22.91	22.85	22.90
			1	78	22.21	21.94	21.90
			75	0	22.35	22.30	22.26
		64QAM	1	1	22.12	22.10	22.08
		256QAM	1	1	19.44	19.45	19.39
	CP-OFDM	QPSK	1	0	21.40	21.41	21.60
			1	1	23.01	22.88	22.98
			1	39	22.70	22.91	22.71
			1	76	22.75	22.75	22.85
			1	78	21.28	21.16	21.41
			75	0	21.31	21.37	21.28
		16QAM	1	0	21.48	21.74	21.96
			1	1	22.47	22.34	22.69
			1	39	22.48	22.67	22.52
			1	76	22.12	22.56	22.51
			1	78	21.27	21.52	21.00
			75	0	21.24	21.27	21.27
		64QAM	1	1	20.65	21.26	20.78
		256QAM	1	1	18.19	18.01	17.69
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	140800	141500	142200
					704.00 MHz	707.50 MHz	711.00 MHz
10 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.85	23.90	23.71
			1	1	24.48	24.49	24.51
			1	26	24.43	24.39	24.44
			1	49	24.27	24.20	24.29
			1	50	23.81	23.75	23.73
			50	0	23.31	23.32	23.17
		QPSK	1	0	23.43	23.28	23.34
			1	1	24.51	24.49	24.31
			1	26	24.38	24.39	24.23
			1	49	24.26	24.20	24.02
			1	50	23.33	23.39	23.26
			50	0	23.33	23.33	23.22
		16QAM	1	1	23.28	23.42	23.31
			1	26	23.36	23.27	22.99
			1	49	23.16	22.95	22.95
		64QAM	1	1	22.18	21.96	21.84
		256QAM	1	1	19.46	19.28	19.18
	CP-OFDM	QPSK	1	1	23.09	22.99	22.89

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	140300	141500	142700
					701.50 MHz	707.50 MHz	713.50 MHz
5 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.99	23.85	23.76
			1	1	24.61	24.42	24.23
			1	13	24.58	24.38	24.08
			1	23	24.52	24.34	24.04
			1	24	23.91	23.78	23.66
			25	0	23.42	23.37	23.02
		QPSK	1	0	23.52	23.20	23.27
			1	1	24.62	24.43	24.24
			1	13	24.44	24.36	24.07
			1	23	24.44	24.34	24.06
			1	24	23.31	23.30	23.03
			25	0	23.44	23.35	23.05
		16QAM	1	1	23.34	23.37	22.99
			1	13	23.46	23.20	22.84
			1	23	23.39	23.12	22.95
		64QAM	1	1	22.19	21.90	21.79
		256QAM	1	1	19.53	19.33	19.17
	CP-OFDM	QPSK	1	1	23.16	23.01	22.77

NR Band n12 (ANT E)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	141300	141500	141700
					706.50 MHz	707.50 MHz	708.50 MHz
15 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	24.30	24.29	24.43
			1	1	25.21	24.17	25.30
			1	39	25.14	25.17	25.11
			1	76	25.06	25.10	25.01
			1	78	24.09	24.19	24.08
			75	0	24.18	24.23	24.24
		QPSK	1	0	24.21	23.78	23.80
			1	1	25.27	25.28	25.19
			1	39	25.19	25.13	25.15
			1	76	25.11	25.05	25.00
			1	78	23.78	23.52	23.62
			75	0	24.26	24.20	24.22
		16QAM	1	0	22.80	22.77	22.86
			1	1	24.00	24.03	24.09
			1	39	24.11	24.03	24.02
			1	76	23.93	23.90	23.97
			1	78	22.48	22.45	22.51
			75	0	22.61	22.76	22.78
		64QAM	1	1	22.83	22.76	22.78
		256QAM	1	1	20.10	20.12	20.12
	CP-OFDM	QPSK	1	0	22.05	21.96	21.95
			1	1	23.57	23.52	23.37
			1	39	23.22	23.28	23.35
			1	76	23.24	23.34	23.11
			1	78	21.85	21.73	21.68
			75	0	21.87	21.77	21.85
		16QAM	1	0	21.67	21.97	22.30
			1	1	22.86	22.84	22.90
			1	39	22.86	22.70	22.69
			1	76	22.55	22.65	22.82
			1	78	21.62	21.63	21.68
			75	0	21.83	21.88	21.79
		64QAM	1	1	21.19	21.49	21.44
		256QAM	1	1	18.49	18.30	18.47

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	140800	141500	142200
					704.00 MHz	707.50 MHz	711.00 MHz
10 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	24.40	24.45	24.41
			1	1	25.33	25.29	24.16
			1	26	25.18	25.30	25.21
			1	49	25.28	25.12	25.03
			1	50	24.31	24.23	24.26
			50	0	24.15	24.21	24.18
		QPSK	1	0	23.51	23.78	23.87
			1	1	25.18	25.29	25.29
			1	26	25.23	25.28	25.09
			1	49	25.20	25.10	25.08
			1	50	23.75	23.62	23.65
			50	0	24.14	24.15	24.11
		16QAM	1	1	23.99	24.16	24.17
			1	26	24.12	24.16	23.88
			1	49	24.11	23.89	23.97
		64QAM	1	1	22.80	22.75	22.81
		256QAM	1	1	20.10	20.11	20.20
	CP-OFDM	QPSK	1	1	23.75	23.77	23.77
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	140300	141500	142700
					701.50 MHz	707.50 MHz	713.50 MHz
5 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	24.44	24.42	24.23
			1	1	25.26	25.25	25.12
			1	13	25.24	25.32	25.11
			1	23	25.25	25.22	25.07
			1	24	24.44	24.28	24.24
			25	0	24.07	24.29	24.08
		QPSK	1	0	23.92	23.86	23.72
			1	1	25.30	25.23	25.15
			1	13	25.24	25.29	25.08
			1	23	25.27	25.19	25.05
			1	24	23.89	23.72	23.61
			25	0	24.14	24.20	24.04
		16QAM	1	1	24.07	24.19	23.89
			1	13	24.14	24.14	23.95
			1	23	24.16	23.97	23.98
		64QAM	1	1	22.85	22.73	22.64
		256QAM	1	1	20.20	20.21	20.02
	CP-OFDM	QPSK	1	1	22.30	23.79	23.65

NR Band n30 (ANT A)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset		462000	
						2310.00 MHz	
10 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0		21.19	
			1	1		22.41	
			1	107		22.36	
			1	214		22.34	
			1	215		21.19	
			216	0		21.43	
		QPSK	1	0		20.60	
			1	1		22.45	
			1	107		22.44	
			1	214		22.37	
			1	215		20.72	
			216	0		21.46	
		16QAM	1	0		19.38	
			1	1		21.42	
			1	107		21.47	
			1	214		21.44	
			1	215		19.35	
			216	0		19.78	
		64QAM	1	1		20.03	
		256QAM	1	1		17.36	
	CP-OFDM	QPSK	1	0		19.04	
			1	1		20.37	
			1	107		20.55	
			1	214		20.24	
			1	215		18.85	
			216	0		18.86	
		16QAM	1	0		18.34	
			1	1		19.23	
			1	107		19.66	
			1	214		19.59	
			1	215		18.22	
			216	0		18.81	
		64QAM	1	1		18.23	
		256QAM	1	1		15.25	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	461500	462000	462500
					2307.50 MHz	2310.00 MHz	2312.50 MHz
5 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	21.19	21.18	21.24
			1	1	21.41	22.36	22.42
			1	12	22.38	22.37	22.31
			1	23	22.37	22.34	22.30
			1	24	21.22	21.14	21.10
			25	0	21.44	21.37	21.44
		QPSK	1	0	20.77	20.79	20.67
			1	1	22.44	22.48	22.45
			1	12	22.40	22.40	22.34
			1	23	22.41	22.39	22.26
			1	24	20.64	20.62	20.64
			25	0	21.44	21.41	21.50
		16QAM	1	1	21.51	21.48	21.56
			1	12	21.48	21.45	21.53
			1	23	21.49	21.42	21.43
			1	1	20.07	20.07	20.10
		64QAM	1	1	17.35	17.38	17.41
		256QAM	1	1	17.35	17.38	17.41
	CP-OFDM	QPSK	1	1	20.99	20.98	21.05

NR Band n30 (ANT F)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset		462000	
						2310.00 MHz	
10 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0		22.40	
			1	1		23.27	
			1	107		23.22	
			1	214		23.26	
			1	215		22.45	
			216	0		22.18	
		QPSK	1	0		21.93	
			1	1		23.20	
			1	107		23.28	
			1	214		23.27	
			1	215		21.79	
			216	0		22.16	
		16QAM	1	0		20.00	
			1	1		21.97	
			1	107		22.04	
			1	214		22.00	
			1	215		20.95	
			216	0		21.14	
		64QAM	1	1		20.85	
		256QAM	1	1		18.14	
	CP-OFDM	QPSK	1	0		19.99	
			1	1		21.59	
			1	107		21.67	
			1	214		21.47	
			1	215		19.91	
			216	0		20.12	
		16QAM	1	0		19.96	
			1	1		21.11	
			1	107		21.03	
			1	214		21.07	
			1	215		18.98	
			216	0		20.16	
		64QAM	1	1		19.53	
		256QAM	1	1		16.56	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	461500	462000	462500
					2307.50 MHz	2310.00 MHz	2312.50 MHz
5 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.47	22.45	22.43
			1	1	23.12	23.09	23.18
			1	12	23.24	23.22	23.26
			1	23	23.08	23.03	23.11
			1	24	22.44	22.43	22.34
			25	0	22.17	22.18	22.18
		QPSK	1	0	21.90	21.90	21.87
			1	1	23.23	23.24	23.21
			1	12	23.29	23.29	23.29
			1	23	23.13	23.15	23.13
			1	24	21.93	21.80	21.68
			25	0	22.24	22.16	22.22
		16QAM	1	1	22.12	22.07	22.08
			1	12	22.08	22.02	22.07
			1	23	22.09	22.00	22.02
			1	1	20.90	20.79	20.93
		64QAM	1	1	18.22	18.08	18.19
		256QAM	1	1	18.22	18.08	18.19
	CP-OFDM	QPSK	1	1	21.94	21.79	21.89

NR Band n41 (PC2) (ANT B)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	509202	518598	528000
					2546.01 MHz	2592.99 MHz	2640.00 MHz
100 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.55	22.06	22.26
			1	1	26.41	25.86	26.03
			1	136	25.71	25.85	25.80
			1	271	25.81	26.03	25.49
			1	272	22.02	22.20	21.69
			270	0	25.37	25.42	25.23
		QPSK	1	0	22.51	22.12	22.25
			1	1	26.24	25.93	26.10
			1	136	25.63	25.81	25.77
			1	271	25.75	25.98	25.38
			1	272	21.97	22.14	21.56
			270	0	24.72	24.92	24.76
		16QAM	1	0	22.51	22.07	22.15
			1	1	25.31	24.79	24.77
			1	136	24.73	24.58	24.54
			1	271	24.70	24.73	24.42
			1	272	21.97	22.11	21.52
			270	0	23.65	23.82	23.72
		64QAM	1	1	23.42	23.56	23.53
		256QAM	1	1	21.90	21.30	21.34
	CP-OFDM	QPSK	1	0	22.59	22.26	22.30
			1	1	24.92	24.62	24.82
			1	137	24.28	24.45	24.37
			1	271	24.32	24.71	24.10
			1	272	22.26	22.38	21.77
			270	0	22.83	22.84	22.78
		16QAM	1	0	22.66	22.23	22.28
			1	1	24.53	23.85	24.25
			1	137	23.48	23.81	23.95
			1	271	23.96	23.86	23.54
			1	272	22.17	22.36	21.72
			270	0	22.76	22.85	22.78
		64QAM	1	1	22.49	22.38	22.43
		256QAM	1	1	19.86	19.25	19.34
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	508200	518598	528996
					2541.00 MHz	2592.99 MHz	2644.98 MHz
90 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.76	22.25	22.45
			1	1	26.25	25.89	26.00
			1	123	25.85	25.85	25.80
			1	243	25.85	26.00	25.28
			1	244	22.20	22.32	21.80
			243	0	25.35	25.44	25.32
		QPSK	1	0	22.70	22.18	22.42
			1	1	26.41	25.84	26.07
			1	123	25.76	25.82	25.73
			1	243	25.83	25.97	25.31
			1	244	22.24	22.44	21.75
			243	0	24.94	24.81	24.68
		16QAM	1	1	25.02	24.64	24.85
			1	123	24.48	24.67	24.55
			1	243	24.53	24.71	24.25
		64QAM	1	1	23.82	23.48	23.62
		256QAM	1	1	21.67	21.28	21.40
	CP-OFDM	QPSK	1	1	25.09	24.56	24.67

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	507204	518598	529998
					2536.02 MHz	2592.99 MHz	2649.99 MHz
80 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.50	22.14	22.38
			1	1	26.19	25.76	26.10
			1	108	25.91	25.80	25.71
			1	215	25.80	25.88	25.28
			1	216	22.10	22.20	21.62
			216	0	25.41	25.30	25.28
		QPSK	1	0	22.56	22.10	22.41
			1	1	26.18	25.78	26.04
			1	108	25.76	25.73	25.58
			1	215	25.80	25.86	25.19
			1	216	22.15	22.23	21.59
			216	0	24.82	24.79	24.71
		16QAM	1	1	24.94	24.68	24.72
			1	108	24.66	24.63	24.55
			1	215	24.49	24.69	24.09
		64QAM	1	1	23.75	23.43	23.50
		256QAM	1	1	21.60	21.12	21.44
	CP-OFDM	QPSK	1	1	24.82	24.44	24.67
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	506202	518598	531000
					2531.02 MHz	2592.99 MHz	2655.00 MHz
70 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.52	22.03	22.35
			1	1	26.17	25.73	25.94
			1	94	25.90	25.89	25.61
			1	187	25.70	25.90	25.26
			1	188	21.99	22.20	21.57
			180	0	25.34	25.30	25.22
		QPSK	1	0	22.54	22.07	22.36
			1	1	26.13	25.66	26.02
			1	94	25.86	25.70	25.52
			1	187	25.77	25.96	25.25
			1	188	22.05	22.22	21.61
			180	0	24.97	24.76	24.68
		16QAM	1	1	25.01	24.48	24.63
			1	94	24.87	24.48	24.42
			1	187	24.64	24.65	24.19
		64QAM	1	1	23.65	23.32	23.43
		256QAM	1	1	21.42	21.12	21.30
	CP-OFDM	QPSK	1	1	24.81	24.34	24.64
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	505200	518598	513996
					2526.00 MHz	2592.99 MHz	2659.98 MHz
60 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.39	22.00	22.18
			1	1	25.98	25.64	25.85
			1	80	25.84	25.66	25.50
			1	160	25.60	25.82	25.22
			1	161	21.95	22.25	21.49
			162	0	25.31	25.25	25.08
		QPSK	1	0	22.39	22.00	22.27
			1	1	26.07	25.66	25.83
			1	80	25.77	25.66	25.44
			1	160	25.66	25.82	25.21
			1	161	22.08	22.17	21.63
			162	0	24.80	24.72	24.51
		16QAM	1	1	24.75	24.52	24.76
			1	80	24.64	24.63	24.39
			1	160	24.47	24.67	24.13
		64QAM	1	1	23.55	22.81	22.94
		256QAM	1	1	21.37	20.75	20.95
	CP-OFDM	QPSK	1	1	24.73	24.12	24.36

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	504204	518598	532998
					2521.01 MHz	2592.99 MHz	2665.00 MHz
50 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.54	22.26	22.35
			1	1	26.20	25.86	25.94
			1	66	26.07	25.92	25.76
			1	131	26.01	26.09	25.55
			1	132	22.40	22.55	21.91
			128	0	25.63	25.42	25.30
		QPSK	1	0	22.64	22.33	22.48
			1	1	26.20	25.87	26.06
			1	66	26.09	25.88	25.74
			1	131	25.99	26.13	25.56
			1	132	22.38	22.57	21.94
			128	0	25.16	24.96	24.77
		16QAM	1	1	25.02	24.65	24.73
			1	66	24.86	24.89	24.68
			1	131	24.94	24.94	24.28
		64QAM	1	1	23.44	23.12	23.11
		256QAM	1	1	21.42	21.04	21.15
	CP-OFDM	QPSK	1	1	24.72	24.37	24.52
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	503202	518598	534000
					2516.01 MHz	2592.99 MHz	2670.00 MHz
40 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.45	22.06	22.10
			1	1	26.00	25.65	25.67
			1	52	26.07	25.95	25.49
			1	104	25.93	25.91	25.36
			1	105	22.31	22.34	21.73
			100	0	25.58	25.36	25.04
		QPSK	1	0	22.45	22.08	22.08
			1	1	26.04	25.71	25.66
			1	52	26.08	25.81	25.60
			1	104	25.94	25.93	25.35
			1	105	22.36	22.31	21.76
			100	0	25.13	24.88	24.53
		16QAM	1	1	24.74	24.64	24.59
			1	52	24.76	24.79	24.18
			1	104	24.71	24.81	24.27
		64QAM	1	1	23.11	22.78	22.75
		256QAM	1	1	21.28	20.86	20.81
	CP-OFDM	QPSK	1	1	24.59	24.17	24.08
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	502200	518598	534996
					2511.00 MHz	2592.99 MHz	2675.00 MHz
30 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.53	22.28	22.06
			1	1	26.16	25.86	25.73
			1	39	26.10	25.94	25.47
			1	76	26.07	25.97	25.38
			1	77	22.46	22.36	21.74
			75	0	25.68	25.38	25.06
		QPSK	1	0	22.55	22.30	22.12
			1	1	26.20	25.98	25.70
			1	39	26.11	25.87	25.51
			1	76	26.05	25.97	25.46
			1	77	22.41	22.28	21.83
			75	0	25.14	24.98	24.52
		16QAM	1	1	24.99	24.63	24.45
			1	39	24.79	24.73	24.19
			1	76	24.89	24.77	24.33
		64QAM	1	1	23.30	23.03	22.87
		256QAM	1	1	21.36	21.10	20.92
	CP-OFDM	QPSK	1	1	24.66	24.38	24.27

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	501702	518598	534996
					2508.51 MHz	2592.99 MHz	2675.00 MHz
25 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.62	22.32	22.13
			1	1	26.20	25.88	25.67
			1	32	26.13	25.93	25.58
			1	63	26.09	25.97	25.41
			1	64	22.51	22.36	21.81
			64	0	25.65	25.35	25.00
		QPSK	1	0	22.64	22.33	22.07
			1	1	26.20	25.90	25.68
			1	32	26.17	26.06	25.57
			1	63	26.05	26.01	25.46
			1	64	22.53	22.41	21.81
			64	0	25.13	24.91	24.47
		16QAM	1	1	25.14	24.65	24.59
			1	32	24.86	24.77	24.30
			1	63	24.81	24.74	24.33
		64QAM	1	1	23.33	23.05	22.85
		256QAM	1	1	21.43	21.11	20.88
	CP-OFDM	QPSK	1	1	24.72	24.33	24.22
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	501204	518598	535998
					2506.02 MHz	2592.99 MHz	2679.99 MHz
20 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.50	22.22	21.92
			1	1	25.49	25.83	25.50
			1	26	26.11	25.93	25.48
			1	49	26.08	25.94	25.40
			1	50	22.54	22.36	21.80
			50	0	25.64	25.36	24.98
		QPSK	1	0	22.54	22.28	21.90
			1	1	25.53	25.86	25.52
			1	26	26.12	25.93	25.43
			1	49	26.11	25.88	25.34
			1	50	22.49	22.26	21.72
			50	0	25.10	24.86	24.44
		16QAM	1	1	24.51	24.71	24.42
			1	26	24.98	24.89	24.41
			1	49	25.04	24.80	24.31
		64QAM	1	1	22.73	23.02	22.69
		256QAM	1	1	21.10	21.00	20.69
	CP-OFDM	QPSK	1	1	24.03	24.33	24.02
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	500700	518598	536496
					2503.50 MHz	2592.99 MHz	2682.48 MHz
15 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.59	22.32	21.94
			1	1	25.57	25.91	25.54
			1	19	26.12	25.89	25.46
			1	36	26.22	26.05	25.47
			1	37	22.64	22.48	21.84
			36	0	25.64	25.37	24.94
		QPSK	1	0	22.65	22.31	21.98
			1	1	25.60	25.87	25.54
			1	19	26.08	25.80	25.42
			1	36	26.15	25.95	25.44
			1	37	22.49	22.38	21.79
			36	0	25.13	24.84	24.45
		16QAM	1	1	24.47	24.78	24.33
			1	19	25.00	24.76	24.23
			1	36	25.04	24.94	24.22
		64QAM	1	1	22.63	22.99	22.58
		256QAM	1	1	21.20	21.07	20.68
	CP-OFDM	QPSK	1	1	24.19	24.38	23.99

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	500202	518598	537000
					2501.01 MHz	2592.99 MHz	2685.00 MHz
10 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.57	22.24	21.85
			1	1	25.43	25.89	25.52
			1	12	25.42	25.89	25.44
			1	22	25.97	26.04	25.48
			1	23	22.45	22.40	21.81
			24	0	25.61	25.49	24.96
		QPSK	1	0	22.54	22.30	21.89
			1	1	25.45	25.92	25.48
			1	12	25.51	25.92	25.39
			1	22	25.97	26.04	25.44
			1	23	22.51	22.36	21.78
			24	0	25.06	24.85	24.41
		16QAM	1	1	24.39	24.64	24.52
			1	12	24.33	24.61	24.39
			1	22	24.99	24.66	24.42
	CP-OFDM	64QAM	1	1	22.54	23.05	22.58
		256QAM	1	1	20.90	21.13	20.71
	CP-OFDM	QPSK	1	1	23.94	24.45	24.01

NR Band n41 (PC2) SRS2 (ANT F) / SRS3 (ANT D) / SRS4 (ANT E)

Maximum Average Power (dBm) SRS2				Tune-up Limit	Maximum Average Power (dBm) SRS3				Tune-up Limit	Maximum Average Power (dBm) SRS4				Tune-up Limit
SRS2				22.5	SRS3				22.0	SRS4				18.0
BW (MHz)	RB Allocation	RB offset	MPR		BW (MHz)	RB Allocation	RB offset	MPR		BW (MHz)	RB Allocation	RB offset	MPR	
	1	1	0.0			1	1	0.0			1	1	0.0	
Measured Pwr (dBm)					Measured Pwr (dBm)					Measured Pwr (dBm)				
100 MHz	509202	518598	528000		100 MHz	509202	518598	528000		100 MHz	509202	518598	528000	
	2546.01 MHz	2592.99 MHz	2640.00 MHz			2546.01 MHz	2592.99 MHz	2640.00 MHz			2546.01 MHz	2592.99 MHz	2640.00 MHz	
	21.23	21.71	21.62			21.52	21.07	20.68			17.25	17.82	17.73	
90 MHz	508200	518598	528996		90 MHz	508200	518598	528996		90 MHz	508200	518598	528996	
	2541.00 MHz	2592.99 MHz	2644.98 MHz			2541.00 MHz	2592.99 MHz	2644.98 MHz			2541.00 MHz	2592.99 MHz	2644.98 MHz	
	21.65	21.87	22.31			21.38	20.82	20.56			17.20	17.71	17.56	
80 MHz	507204	518598	529998		80 MHz	507204	518598	529998		80 MHz	507204	518598	529998	
	2536.02 MHz	2592.99 MHz	2649.99 MHz			2536.02 MHz	2592.99 MHz	2649.99 MHz			2536.02 MHz	2592.99 MHz	2649.99 MHz	
	21.51	21.98	22.08			21.25	20.65	20.46			17.38	17.74	17.36	
70 MHz	506202	518598	531000		70 MHz	506202	518598	531000		70 MHz	506202	518598	531000	
	2531.01 MHz	2592.99 MHz	2655.00 MHz			2531.01 MHz	2592.99 MHz	2655.00 MHz			2531.01 MHz	2592.99 MHz	2655.00 MHz	
	21.51	20.87	21.95			21.21	20.56	20.36			17.31	17.72	17.24	
60 MHz	505200	518598	531996		60 MHz	505200	518598	531996		60 MHz	505200	518598	531996	
	2526.00 MHz	2592.99 MHz	2659.98 MHz			2526.00 MHz	2592.99 MHz	2659.98 MHz			2526.00 MHz	2592.99 MHz	2659.98 MHz	
	21.11	20.91	21.71			21.22	20.49	20.28			17.29	17.65	17.04	
50 MHz	504204	518598	532998		50 MHz	504204	518598	532998		50 MHz	504204	518598	532998	
	2521.02 MHz	2592.99 MHz	2664.99 MHz			2521.02 MHz	2592.99 MHz	2664.99 MHz			2521.02 MHz	2592.99 MHz	2664.99 MHz	
	21.10	21.16	21.69			21.40	20.55	20.21			17.49	17.55	16.91	
40 MHz	503202	518598	534000		40 MHz	503202	518598	534000		40 MHz	503202	518598	534000	
	2516.01 MHz	2592.99 MHz	2670.00 MHz			2516.01 MHz	2592.99 MHz	2670.00 MHz			2516.01 MHz	2592.99 MHz	2670.00 MHz	
	21.27	21.10	21.31			21.39	20.61	21.20			17.41	17.31	16.53	
30 MHz	502200	518598	534996		30 MHz	502200	518598	534996		30 MHz	502200	518598	534996	
	2511.00 MHz	2592.99 MHz	2675.00 MHz			2511.00 MHz	2592.99 MHz	2675.00 MHz			2511.00 MHz	2592.99 MHz	2675.00 MHz	
	21.42	21.43	21.33			21.39	20.62	20.18			17.59	17.11	16.57	
25 MHz	501702	518598	535500		25 MHz	501702	518598	535500		25 MHz	501702	518598	535500	
	2508.51 MHz	2592.99 MHz	2677.50 MHz			2508.51 MHz	2592.99 MHz	2677.50 MHz			2508.51 MHz	2592.99 MHz	2677.50 MHz	
	21.23	21.54	21.28			21.34	20.59	20.11			17.21	17.61	16.33	
20 MHz	501204	518598	535998		20 MHz	501204	518598	535998		20 MHz	501204	518598	535998	
	2506.02 MHz	2592.99 MHz	2679.99 MHz			2506.02 MHz	2592.99 MHz	2679.99 MHz			2506.02 MHz	2592.99 MHz	2679.99 MHz	
	20.51	21.40	21.09			21.34	20.52	19.91			15.89	17.12	16.10	
15 MHz	500700	518598	536496		15 MHz	500700	518598	536496		15 MHz	500700	518598	536496	
	2503.50 MHz	2592.99 MHz	2682.48 MHz			2503.50 MHz	2592.99 MHz	2682.48 MHz			2503.50 MHz	2592.99 MHz	2682.48 MHz	
	20.50	21.53	21.08			21.37	20.55	19.85			15.89	17.65	16.00	
10 MHz	500202	518598	537000		10 MHz	500202	518598	537000		10 MHz	500202	518598	537000	
	2501.01 MHz	2592.99 MHz	2685.00 MHz			2501.01 MHz	2592.99 MHz	2685.00 MHz			2501.01 MHz	2592.99 MHz	2685.00 MHz	
	20.43	21.86	21.06			21.31	20.56	19.87			16.00	17.56	15.95	

NR Band n41 (PC2) (ANT F)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	509202	518598	528000
					2546.01 MHz	2592.99 MHz	2640.00 MHz
100 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.24	22.12	21.98
			1	1	25.98	25.95	25.60
			1	136	25.79	25.62	25.65
			1	271	25.65	25.81	25.74
			1	272	21.95	22.22	22.10
			270	0	25.34	25.15	25.16
		QPSK	1	0	22.31	22.18	22.05
			1	1	26.01	25.89	25.66
			1	136	25.75	25.61	25.60
			1	271	25.51	25.76	25.75
			1	272	21.93	22.15	22.14
			270	0	24.81	24.69	24.76
		16QAM	1	0	22.37	21.97	21.95
			1	1	25.26	24.89	24.69
			1	136	24.82	24.38	24.62
			1	271	24.68	24.67	24.82
			1	272	21.82	21.95	21.87
			270	0	23.84	23.77	23.76
		64QAM	1	1	23.16	23.13	22.86
		256QAM	1	1	21.29	21.08	20.86
	CP-OFDM	QPSK	1	0	22.31	22.13	21.97
			1	1	24.59	24.50	24.35
			1	137	24.40	24.22	24.25
			1	271	24.29	24.35	24.24
			1	272	21.95	22.11	21.91
			270	0	22.76	22.74	22.69
		16QAM	1	0	22.28	22.36	22.12
			1	1	24.25	24.06	23.94
			1	137	23.96	23.81	23.87
			1	271	23.77	24.05	23.45
			1	272	21.85	22.20	22.24
			270	0	22.81	22.73	22.68
		64QAM	1	1	22.36	22.13	22.00
		256QAM	1	1	19.41	19.27	19.03
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	508200	518598	528996
					2541.00 MHz	2592.99 MHz	2644.98 MHz
90 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.45	22.30	22.16
			1	1	26.17	25.92	25.87
			1	123	26.01	25.69	25.75
			1	243	25.76	25.86	25.83
			1	244	22.08	22.20	21.99
			243	0	25.57	25.39	25.21
		QPSK	1	0	22.41	22.23	22.24
			1	1	26.15	25.93	25.93
			1	123	25.94	25.63	25.71
			1	243	25.72	25.98	25.84
			1	244	22.05	22.27	22.10
			243	0	24.97	24.80	24.83
		16QAM	1	1	25.18	24.90	24.61
			1	123	24.82	24.66	24.45
			1	243	24.62	24.80	24.48
		64QAM	1	1	23.26	23.11	23.08
		256QAM	1	1	21.34	21.16	21.03
	CP-OFDM	QPSK	1	1	24.73	24.45	24.41

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	507204	518598	529998
					2536.02 MHz	2592.99 MHz	2649.99 MHz
80 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.44	22.17	22.02
			1	1	26.11	25.86	25.64
			1	108	26.03	25.54	25.62
			1	215	25.76	25.81	25.58
			1	216	22.15	22.14	21.99
		QPSK	216	0	25.52	25.28	25.19
			1	0	22.42	22.32	22.30
			1	1	26.05	25.82	25.91
			1	108	25.98	25.57	25.69
			1	215	25.75	25.89	25.70
			1	216	22.04	22.15	22.08
			216	0	25.00	24.82	24.75
		16QAM	1	1	25.00	24.80	24.69
			1	108	25.02	24.46	24.71
			1	215	24.61	24.87	24.63
		64QAM	1	1	23.25	23.01	23.03
		256QAM	1	1	21.30	21.01	21.05
	CP-OFDM	QPSK	1	1	24.69	24.33	24.39
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	506202	518598	531000
					2531.02 MHz	2592.99 MHz	2655.00 MHz
70 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.30	22.09	22.10
			1	1	25.92	25.67	25.54
			1	94	25.91	25.52	25.60
			1	187	25.63	25.70	25.60
			1	188	22.17	22.12	21.97
		QPSK	180	0	25.49	25.09	25.20
			1	0	22.29	22.12	22.10
			1	1	25.87	25.56	25.69
			1	94	25.98	25.48	25.65
			1	187	25.69	25.63	25.59
			1	188	22.11	22.11	22.09
			180	0	24.98	24.61	24.67
		16QAM	1	1	24.81	24.68	24.53
			1	94	25.05	24.55	24.66
			1	187	24.82	24.76	24.67
		64QAM	1	1	23.01	22.73	22.92
		256QAM	1	1	21.06	20.77	20.90
	CP-OFDM	QPSK	1	1	24.44	24.19	24.29
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	505200	518598	513996
					2526.00 MHz	2592.99 MHz	2659.98 MHz
60 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.24	22.08	21.97
			1	1	25.80	25.64	25.54
			1	80	25.91	25.59	25.54
			1	160	25.57	25.69	25.62
			1	161	22.13	22.17	22.04
		QPSK	162	0	25.49	25.25	25.22
			1	0	22.29	22.13	22.04
			1	1	25.86	25.62	25.57
			1	80	25.93	25.53	25.60
			1	160	25.83	25.66	25.69
			1	161	22.22	22.13	22.07
			162	0	24.91	24.60	24.75
		16QAM	1	1	24.60	24.65	24.34
			1	80	24.75	24.52	24.66
			1	160	24.51	24.68	24.61
		64QAM	1	1	22.93	22.79	22.73
		256QAM	1	1	21.04	20.82	20.81
	CP-OFDM	QPSK	1	1	24.38	24.20	24.18

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	504204	518598	532998
					2521.01 MHz	2592.99 MHz	2665.00 MHz
50 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.45	22.32	22.24
			1	1	26.08	25.91	25.83
			1	66	26.06	25.76	25.74
			1	131	26.25	26.01	25.90
			1	132	22.58	22.34	22.25
			128	0	25.62	25.34	25.36
		QPSK	1	0	22.49	22.26	22.38
			1	1	26.10	25.80	25.87
			1	66	26.20	25.91	25.84
			1	131	26.28	26.05	25.99
			1	132	22.60	22.30	22.39
			128	0	25.20	24.83	24.87
		16QAM	1	1	25.07	24.77	24.66
			1	66	24.99	24.73	24.58
			1	131	24.95	24.87	24.66
		64QAM	1	1	23.22	22.94	23.07
		256QAM	1	1	21.28	20.98	21.03
	CP-OFDM	QPSK	1	1	24.59	24.31	24.39
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	503202	518598	534000
					2516.01 MHz	2592.99 MHz	2670.00 MHz
40 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.20	22.09	22.01
			1	1	25.91	25.68	25.66
			1	52	25.98	25.67	25.63
			1	104	26.02	25.68	25.61
			1	105	22.35	22.19	22.06
			100	0	25.66	25.38	25.34
		QPSK	1	0	22.32	22.07	22.00
			1	1	25.90	25.71	25.64
			1	52	26.01	25.69	25.68
			1	104	26.03	25.70	25.70
			1	105	22.41	22.14	22.11
			100	0	25.14	24.85	24.91
		16QAM	1	1	24.69	24.63	24.41
			1	52	25.10	24.78	24.49
			1	104	24.81	24.71	24.41
		64QAM	1	1	23.04	22.93	22.88
		256QAM	1	1	21.05	20.86	20.83
	CP-OFDM	QPSK	1	1	24.51	24.23	24.32
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	502200	518598	534996
					2511.00 MHz	2592.99 MHz	2675.00 MHz
30 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.41	22.20	22.21
			1	1	26.01	25.75	25.62
			1	39	26.03	25.73	25.71
			1	76	26.19	25.76	25.70
			1	77	22.59	22.21	22.11
			75	0	25.51	25.30	25.19
		QPSK	1	0	22.39	22.30	22.19
			1	1	26.07	25.84	25.85
			1	39	26.07	25.87	25.77
			1	76	26.22	25.85	25.82
			1	77	22.63	22.23	22.17
			75	0	25.03	24.74	24.72
		16QAM	1	1	25.04	24.76	24.78
			1	39	24.91	24.66	24.68
			1	76	25.24	24.74	24.72
		64QAM	1	1	23.13	23.04	22.89
		256QAM	1	1	21.20	21.00	21.01
	CP-OFDM	QPSK	1	1	24.63	24.33	24.28

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	501702	518598	534996
					2508.51 MHz	2592.99 MHz	2675.00 MHz
25 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.45	22.22	22.29
			1	1	26.06	25.78	25.69
			1	32	26.05	25.81	25.80
			1	63	26.10	25.77	25.81
			1	64	22.53	22.19	22.19
			64	0	25.55	25.28	25.09
		QPSK	1	0	22.50	22.33	22.37
			1	1	26.07	25.82	25.73
			1	32	26.11	25.79	25.73
			1	63	26.12	25.93	25.76
			1	64	22.62	22.27	22.22
			64	0	25.06	24.72	24.63
		16QAM	1	1	25.15	24.59	24.75
			1	32	24.72	24.75	24.64
			1	63	24.85	24.57	24.76
		64QAM	1	1	23.20	22.99	22.96
		256QAM	1	1	21.27	21.05	20.99
	CP-OFDM	QPSK	1	1	24.50	24.34	24.41
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	501204	518598	535998
					2506.02 MHz	2592.99 MHz	2679.99 MHz
20 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.39	22.07	21.97
			1	1	25.97	25.66	25.55
			1	26	26.02	25.79	25.66
			1	49	26.03	25.67	25.46
			1	50	22.47	22.29	21.93
			50	0	25.60	25.37	25.32
		QPSK	1	0	22.36	22.09	22.05
			1	1	26.00	25.78	25.63
			1	26	26.06	25.86	25.84
			1	49	26.13	25.74	25.59
			1	50	22.49	22.14	21.99
			50	0	25.09	24.89	24.80
		16QAM	1	1	24.98	24.63	24.62
			1	26	24.94	24.71	24.53
			1	49	25.09	24.73	24.47
		64QAM	1	1	23.03	22.90	22.80
		256QAM	1	1	21.24	20.79	20.77
	CP-OFDM	QPSK	1	1	24.58	24.25	24.14
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	500700	518598	536496
					2503.50 MHz	2592.99 MHz	2682.48 MHz
15 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.41	22.29	22.02
			1	1	26.04	25.88	25.77
			1	19	26.04	25.80	25.70
			1	36	26.10	25.71	25.65
			1	37	22.43	22.22	22.09
			36	0	25.54	25.28	25.20
		QPSK	1	0	22.45	22.28	22.10
			1	1	25.99	25.87	25.64
			1	19	26.03	25.87	25.71
			1	36	26.20	25.81	25.68
			1	37	22.53	22.23	22.17
			36	0	25.08	24.80	24.60
		16QAM	1	1	25.02	24.67	24.59
			1	19	25.01	24.76	24.62
			1	36	25.08	24.80	24.62
		64QAM	1	1	23.14	22.96	22.98
		256QAM	1	1	21.18	20.94	20.89
	CP-OFDM	QPSK	1	1	24.50	24.40	24.18

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	500202	518598	537000
					2501.01 MHz	2592.99 MHz	2685.00 MHz
10 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.45	22.26	22.16
			1	1	26.06	25.84	25.74
			1	12	26.05	25.84	25.68
			1	22	26.17	25.82	25.72
			1	23	22.48	22.23	22.07
			24	0	25.55	25.25	25.16
		QPSK	1	0	22.38	22.25	22.17
			1	1	26.08	25.90	25.81
			1	12	26.14	25.82	25.64
			1	22	26.17	25.86	25.71
			1	23	22.46	22.25	22.07
			24	0	25.05	24.77	24.53
	CP-OFDM	16QAM	1	1	25.02	24.81	24.63
			1	12	25.12	24.73	24.65
			1	22	25.17	24.73	24.59
		64QAM	1	1	23.12	23.10	22.94
		256QAM	1	1	21.23	21.03	20.89
		QPSK	1	1	24.55	24.49	24.28

NR Band n41 (PC2) SRS2 (ANT B) / SRS3 (ANT E) / SRS4 (ANT D)

Maximum Average Power (dBm) SRS2				Tune-up Limit	Maximum Average Power (dBm) SRS3				Tune-up Limit	Maximum Average Power (dBm) SRS4				Tune-up Limit
				23.0					22.0					22.0
BW (MHz)	RB Allocation	RB offset	MPR		BW (MHz)	RB Allocation	RB offset	MPR		BW (MHz)	RB Allocation	RB offset	MPR	
	1	1	0.0			1	1	0.0			1	1	0.0	
Measured Pwr (dBm)					Measured Pwr (dBm)					Measured Pwr (dBm)				
100 MHz	509202	518598	528000		100 MHz	509202	518598	528000		100 MHz	509202	518598	528000	
	2546.01 MHz	2592.99 MHz	2640.00 MHz			2546.01 MHz	2592.99 MHz	2640.00 MHz			2546.01 MHz	2592.99 MHz	2640.00 MHz	
	22.06	21.93	21.86			21.32	20.70	20.59			21.74	21.35	21.07	
90 MHz	508200	518598	528996		90 MHz	508200	518598	528996		90 MHz	508200	518598	528996	
	2541.00 MHz	2592.99 MHz	2644.98 MHz			2541.00 MHz	2592.99 MHz	2644.98 MHz			2541.00 MHz	2592.99 MHz	2644.98 MHz	
	22.14	21.96	21.95			21.16	20.63	20.55			21.72	21.22	21.08	
80 MHz	507204	518598	529998		80 MHz	507204	518598	529998		80 MHz	507204	518598	529998	
	2536.02 MHz	2592.99 MHz	2649.99 MHz			2536.02 MHz	2592.99 MHz	2649.99 MHz			2536.02 MHz	2592.99 MHz	2649.99 MHz	
	22.02	21.74	21.85			21.13	20.55	20.56			21.68	21.14	21.02	
70 MHz	506202	518598	531000		70 MHz	506202	518598	531000		70 MHz	506202	518598	531000	
	2531.01 MHz	2592.99 MHz	2655.00 MHz			2531.01 MHz	2592.99 MHz	2655.00 MHz			2531.01 MHz	2592.99 MHz	2655.00 MHz	
	21.89	21.72	21.66			21.16	20.60	20.48			21.55	20.94	20.86	
60 MHz	505200	518598	531996		60 MHz	505200	518598	531996		60 MHz	505200	518598	531996	
	2526.00 MHz	2592.99 MHz	2659.98 MHz			2526.00 MHz	2592.99 MHz	2659.98 MHz			2526.00 MHz	2592.99 MHz	2659.98 MHz	
	21.98	21.63	21.66			21.11	20.54	20.32			21.54	20.93	20.84	
50 MHz	504204	518598	532998		50 MHz	504204	518598	532998		50 MHz	504204	518598	532998	
	2521.02 MHz	2592.99 MHz	2664.99 MHz			2521.02 MHz	2592.99 MHz	2664.99 MHz			2521.02 MHz	2592.99 MHz	2664.99 MHz	
	22.11	21.96	21.79			21.31	20.74	20.44			21.77	21.18	20.96	
40 MHz	503202	518598	534000		40 MHz	503202	518598	534000		40 MHz	503202	518598	534000	
	2516.01 MHz	2592.99 MHz	2670.00 MHz			2516.01 MHz	2592.99 MHz	2670.00 MHz			2516.01 MHz	2592.99 MHz	2670.00 MHz	
	22.01	21.76	21.59			21.11	20.51	20.08			21.63	20.96	20.69	
30 MHz	502200	518598	534996		30 MHz	502200	518598	534996		30 MHz	502200	518598	534996	
	2511.00 MHz	2592.99 MHz	2675.00 MHz			2511.00 MHz	2592.99 MHz	2675.00 MHz			2511.00 MHz	2592.99 MHz	2675.00 MHz	
	22.06	21.96	21.65			21.34	20.67	20.08			21.79	21.07	20.65	
25 MHz	501702	518598	535500		25 MHz	501702	518598	535500		25 MHz	501702	518598	535500	
	2508.51 MHz	2592.99 MHz	2677.50 MHz			2508.51 MHz	2592.99 MHz	2677.50 MHz			2508.51 MHz	2592.99 MHz	2677.50 MHz	
	22.13	21.95	21.54			21.31	20.70	19.81			21.80	21.05	20.47	
20 MHz	501204	518598	535998		20 MHz	501204	518598	535998		20 MHz	501204	518598	535998	
	2506.02 MHz	2592.99 MHz	2679.99 MHz			2506.02 MHz	2592.99 MHz	2679.99 MHz			2506.02 MHz	2592.99 MHz	2679.99 MHz	
	22.04	21.93	21.52			21.24	20.61	19.72			20.96	20.96	20.43	
15 MHz	500700	518598	536496		15 MHz	500700	518598	536496		15 MHz	500700	518598	536496	
	2503.50 MHz	2592.99 MHz	2682.48 MHz			2503.50 MHz	2592.99 MHz	2682.48 MHz			2503.50 MHz	2592.99 MHz	2682.48 MHz	
	22.06	21.95	21.49			21.32	20.63	19.63			21.78	21.03	20.49	
10 MHz	500202	518598	537000		10 MHz	500202	518598	537000		10 MHz	500202	518598	537000	
	2501.01 MHz	2592.99 MHz	2685.00 MHz			2501.01 MHz	2592.99 MHz	2685.00 MHz			2501.01 MHz	2592.99 MHz	2685.00 MHz	
	22.06	21.95	21.49			21.31	20.61	19.51			21.70	21.02	20.46	

NR Band n66 (ANT A)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	346000	349000	352000
					1730.00 MHz	1745.00 MHz	1760.00 MHz
40 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.29	23.20	23.33
			1	1	24.33	23.41	23.39
			1	107	24.46	24.48	24.52
			1	214	24.57	24.47	24.36
			1	215	23.42	23.29	23.07
		QPSK	216	0	23.39	23.54	23.43
			1	0	22.71	22.76	22.76
			1	1	24.23	24.52	24.46
			1	107	24.49	24.57	24.51
			1	214	24.60	24.56	24.41
			1	215	22.78	22.69	22.54
		16QAM	216	0	23.36	23.54	23.46
			1	0	21.68	21.80	21.94
			1	1	23.29	23.46	23.40
			1	107	23.40	23.58	23.50
			1	214	23.51	23.38	23.40
			1	215	21.72	21.40	21.67
			216	0	21.77	21.78	21.74
		64QAM	1	1	21.77	21.91	21.97
		256QAM	1	1	19.14	19.39	19.35
	CP-OFDM	QPSK	1	0	20.90	20.87	20.97
			1	1	22.72	23.01	22.97
			1	107	22.55	22.55	22.51
			1	214	22.57	22.41	22.28
			1	215	21.06	20.87	20.84
			216	0	20.86	20.95	20.90
		16QAM	1	0	20.86	20.96	20.98
			1	1	21.83	21.26	22.03
			1	107	21.78	21.32	21.94
			1	214	21.85	21.76	21.84
			1	215	20.94	20.89	20.92
35 MHz	DFT-s-OFDM	$\pi/2$ BPSK	216	0	20.82	20.81	20.82
			1	1	20.57	20.70	20.92
			1	1	17.29	17.78	17.71
		QPSK	1	0	23.27	23.35	23.30
			1	1	24.36	24.47	24.53
			1	93	24.58	23.49	24.59
			1	186	24.56	24.40	24.37
			1	187	23.27	23.24	23.25
			180	0	23.32	23.52	23.48
		QPSK	1	0	22.71	22.68	22.75
			1	1	24.25	24.46	24.56
			1	93	24.57	24.66	24.60
			1	186	24.53	24.47	24.28
			1	187	22.77	22.69	22.63
			180	0	23.30	23.52	23.34
		16QAM	1	1	23.25	23.40	23.49
			1	93	23.43	23.53	23.33
			1	186	23.41	23.38	23.31
		64QAM	1	1	21.74	22.02	22.08
		256QAM	1	1	19.13	19.40	19.42
	CP-OFDM	QPSK	1	1	22.71	23.01	23.02

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	345000	349000	353000
					1725.00 MHz	1745.00 MHz	1765.00 MHz
30 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.32	23.40	23.33
			1	1	24.20	24.55	24.68
			1	79	24.49	24.61	24.44
			1	158	24.53	24.69	24.43
			1	159	23.30	23.33	23.21
			160	0	23.37	23.54	23.51
		QPSK	1	0	22.70	22.78	22.70
			1	1	23.91	24.51	24.60
			1	79	24.44	24.67	24.47
			1	158	24.54	24.67	24.42
			1	159	22.76	22.72	22.48
			160	0	23.41	23.57	23.46
		16QAM	1	1	22.93	23.43	23.53
			1	79	23.47	23.53	23.32
			1	158	23.47	23.39	23.37
		64QAM	1	1	21.36	22.04	22.09
		256QAM	1	1	18.98	19.47	19.53
	CP-OFDM	QPSK	1	1	22.57	23.05	23.02
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	344500	349000	353500
					1722.50 MHz	1745.00 MHz	1767.50 MHz
25 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.38	23.41	23.45
			1	1	24.36	24.61	24.60
			1	66	24.50	24.69	24.54
			1	131	24.42	24.68	24.40
			1	132	23.30	23.33	23.27
			128	0	23.26	23.52	23.46
		QPSK	1	0	22.78	22.89	22.83
			1	1	24.35	24.61	24.62
			1	66	24.47	24.75	24.56
			1	131	24.39	24.53	24.37
			1	132	22.75	22.69	22.52
			128	0	23.26	23.58	23.43
		16QAM	1	1	23.32	23.53	23.54
			1	66	23.31	23.48	23.29
			1	131	23.30	23.47	23.30
		64QAM	1	1	21.87	22.12	22.13
		256QAM	1	1	19.26	19.55	19.54
	CP-OFDM	QPSK	1	1	22.86	23.10	23.14
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	344000	349000	354000
					1720.00 MHz	1745.00 MHz	1770.00 MHz
20 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.20	23.25	23.25
			1	1	23.93	23.50	24.32
			1	52	24.17	24.58	23.96
			1	104	24.32	24.48	23.84
			1	105	23.22	23.24	23.12
			100	0	23.31	23.53	23.44
		QPSK	1	0	22.62	22.69	22.66
			1	1	23.85	24.47	24.12
			1	52	24.07	24.55	23.86
			1	104	24.35	24.46	23.67
			1	105	22.60	22.68	22.48
			100	0	23.33	23.57	23.47
		16QAM	1	1	22.83	23.36	23.05
			1	52	23.13	23.56	22.88
			1	104	23.29	23.52	22.69
		64QAM	1	1	21.28	21.80	21.41
		256QAM	1	1	19.18	19.40	19.38
	CP-OFDM	QPSK	1	1	22.37	22.47	22.65

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	343500	349000	354500
					1717.50 MHz	1745.00 MHz	1772.50 MHz
15 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.28	23.22	23.26
			1	1	24.38	24.63	24.52
			1	39	24.29	24.52	24.36
			1	77	24.46	24.55	24.25
			1	78	23.36	23.29	23.08
			75	0	23.36	23.61	23.42
		QPSK	1	0	22.69	22.83	22.71
			1	1	23.89	24.54	23.94
			1	39	24.22	24.54	23.86
			1	77	24.32	24.58	23.63
			1	78	22.71	22.68	22.55
			75	0	23.49	23.57	23.38
		16QAM	1	1	23.61	23.55	22.82
			1	39	23.35	23.57	22.80
			1	77	23.46	23.58	22.63
		64QAM	1	1	21.45	22.01	21.36
		256QAM	1	1	19.32	19.51	19.30
	CP-OFDM	QPSK	1	1	22.57	23.17	22.48
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	343000	349000	355000
					1715.00 MHz	1745.00 MHz	1775.00 MHz
10 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.23	23.32	23.13
			1	1	24.35	24.51	24.48
			1	25	24.35	24.60	24.39
			1	50	24.39	24.57	24.26
			1	51	23.20	23.26	22.87
			50	0	23.37	23.62	23.46
		QPSK	1	0	22.60	22.73	22.56
			1	1	24.37	24.52	24.50
			1	25	24.33	24.65	24.43
			1	50	24.38	24.60	24.27
			1	51	22.59	22.60	22.43
			50	0	23.35	23.63	23.44
		16QAM	1	1	23.26	23.46	23.41
			1	25	23.31	23.51	23.41
			1	50	23.24	23.49	23.28
		64QAM	1	1	21.79	22.06	21.97
		256QAM	1	1	19.29	19.43	19.39
	CP-OFDM	QPSK	1	1	22.96	23.11	23.08
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	342500	349000	355500
					1712.50 MHz	1745.00 MHz	1777.50 MHz
5 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.29	23.34	23.15
			1	1	24.29	24.69	24.40
			1	13	24.34	24.65	24.34
			1	23	24.27	24.62	24.22
			1	24	23.32	23.34	22.89
			25	0	23.30	23.60	23.39
		QPSK	1	0	22.59	22.82	22.61
			1	1	24.33	24.69	24.34
			1	13	24.30	24.64	24.32
			1	23	24.31	24.61	24.32
			1	24	22.70	22.74	22.42
			25	0	23.32	23.65	23.46
		16QAM	1	1	23.18	23.61	23.31
			1	13	23.32	23.60	23.28
			1	23	23.32	23.58	23.24
		64QAM	1	1	21.72	22.17	21.81
		256QAM	1	1	19.14	19.56	19.37
	CP-OFDM	QPSK	1	1	22.97	23.26	22.92

NR Band n66 (ANT F)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	346000	349000	352000
					1730.00 MHz	1745.00 MHz	1760.00 MHz
40 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.34	23.33	23.29
			1	1	23.95	23.87	23.95
			1	107	23.90	23.92	23.99
			1	214	24.06	23.99	23.62
			1	215	23.29	23.53	23.61
		QPSK	216	0	22.92	22.96	22.98
			1	0	22.95	22.82	22.78
			1	1	23.90	24.03	24.00
			1	107	23.87	24.17	23.94
			1	214	24.07	23.95	23.68
			1	215	22.92	22.98	23.03
		16QAM	216	0	22.85	23.14	23.07
			1	0	21.87	21.66	21.68
			1	1	22.59	22.82	22.70
			1	107	22.69	23.07	22.88
			1	214	22.86	22.83	22.58
			1	215	21.81	21.78	21.93
			216	0	21.91	21.98	22.00
		64QAM	1	1	21.37	21.58	21.60
		256QAM	1	1	18.69	18.81	18.88
	CP-OFDM	QPSK	1	0	21.07	20.86	20.80
			1	1	22.67	22.58	22.48
			1	107	22.57	22.50	22.50
			1	214	22.67	22.64	22.77
			1	215	21.00	21.01	21.04
			216	0	20.91	21.02	21.07
		16QAM	1	0	21.03	20.65	20.60
			1	1	22.15	21.74	21.70
			1	107	21.95	21.61	21.80
			1	214	22.05	21.81	21.93
			1	215	20.96	20.68	20.81
35 MHz	DFT-s-OFDM	$\pi/2$ BPSK	216	0	20.87	20.90	20.96
			1	1	20.24	20.66	20.64
			1	1	17.80	17.72	17.67
		QPSK	1	0	23.34	23.31	23.31
			1	1	23.71	23.82	23.85
			1	93	24.05	24.15	23.95
			1	186	23.98	23.95	23.68
			1	187	23.31	23.47	23.46
			180	0	22.86	23.11	22.88
		QPSK	1	0	22.84	22.84	22.83
			1	1	23.79	23.82	23.91
			1	93	23.98	24.07	23.85
			1	186	23.92	23.95	23.57
			1	187	22.82	22.89	23.03
			180	0	22.90	22.96	22.90
		16QAM	1	1	22.74	22.83	22.73
			1	93	22.70	22.97	22.67
			1	186	22.91	22.87	22.53
		64QAM	1	1	21.39	21.68	21.65
		256QAM	1	1	18.86	18.93	18.82
	CP-OFDM	QPSK	1	1	22.50	22.64	22.72
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	345500	349000	352500
					1727.50 MHz	1745.00 MHz	1762.50 MHz

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	345000	349000	353000
					1725.00 MHz	1745.00 MHz	1765.00 MHz
30 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.39	23.25	23.31
			1	1	23.88	23.91	24.03
			1	79	24.00	24.05	23.86
			1	158	24.11	24.16	24.22
			1	159	23.37	23.52	23.48
			160	0	22.91	23.00	22.91
		QPSK	1	0	22.85	22.82	22.79
			1	1	23.96	24.15	23.98
			1	79	23.91	24.23	23.90
			1	158	24.14	24.09	23.78
			1	159	22.80	22.99	23.06
			160	0	22.91	22.93	22.81
		16QAM	1	1	22.72	22.85	22.82
			1	79	22.82	22.91	22.72
			1	158	22.85	22.79	22.55
		64QAM	1	1	21.38	21.67	21.63
		256QAM	1	1	18.94	19.12	19.02
	CP-OFDM	QPSK	1	1	22.66	22.71	22.65
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	344500	349000	353500
					1722.50 MHz	1745.00 MHz	1767.50 MHz
25 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.60	23.42	23.54
			1	1	24.04	23.96	24.09
			1	66	23.93	24.19	23.83
			1	131	24.02	24.09	23.83
			1	132	23.32	23.41	23.53
			128	0	22.81	23.08	22.69
		QPSK	1	0	22.98	22.94	23.01
			1	1	23.92	24.12	24.17
			1	66	23.90	24.07	23.83
			1	131	23.96	24.18	23.86
			1	132	22.79	22.84	23.13
			128	0	22.84	22.96	22.82
		16QAM	1	1	22.71	22.96	22.90
			1	66	22.62	22.94	22.72
			1	131	22.67	22.90	22.53
		64QAM	1	1	21.36	21.61	21.54
		256QAM	1	1	18.68	19.18	18.91
	CP-OFDM	QPSK	1	1	22.29	22.45	22.41
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	344000	349000	354000
					1720.00 MHz	1745.00 MHz	1770.00 MHz
20 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.42	23.24	23.42
			1	1	23.93	23.97	23.95
			1	52	23.90	24.12	23.94
			1	104	23.85	24.09	23.91
			1	105	23.34	23.45	23.44
			100	0	23.03	23.27	22.97
		QPSK	1	0	22.86	22.77	22.89
			1	1	23.81	24.06	24.01
			1	52	23.96	24.13	23.82
			1	104	23.88	24.08	23.90
			1	105	22.72	22.88	22.84
			100	0	22.96	23.12	23.03
		16QAM	1	1	22.68	22.72	22.79
			1	52	22.78	22.87	22.76
			1	104	22.63	22.80	22.62
		64QAM	1	1	21.34	21.62	21.53
		256QAM	1	1	18.81	18.93	18.79
	CP-OFDM	QPSK	1	1	22.30	22.75	22.52

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	343500	349000	354500
					1717.50 MHz	1745.00 MHz	1772.50 MHz
15 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.46	23.33	23.50
			1	1	24.09	24.08	24.04
			1	39	24.01	23.94	23.85
			1	77	23.78	23.98	23.83
			1	78	23.29	23.37	23.45
			75	0	22.92	23.02	22.81
		QPSK	1	0	22.98	22.87	22.93
			1	1	24.08	24.12	23.97
			1	39	23.95	24.05	23.92
			1	77	24.00	24.17	23.69
			1	78	22.79	22.86	22.87
			75	0	22.96	23.14	22.71
		16QAM	1	1	22.79	22.93	22.86
			1	39	22.75	22.85	22.64
			1	77	22.62	22.85	22.49
		64QAM	1	1	21.60	21.77	21.63
		256QAM	1	1	18.80	19.15	18.91
	CP-OFDM	QPSK	1	1	22.59	22.73	22.57
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	343000	349000	355000
					1715.00 MHz	1745.00 MHz	1775.00 MHz
10 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.43	23.34	23.36
			1	1	23.96	23.92	23.99
			1	25	23.95	23.94	23.96
			1	50	23.89	23.94	23.89
			1	51	23.30	23.27	23.35
			50	0	22.79	23.02	22.95
		QPSK	1	0	22.85	22.80	22.94
			1	1	23.80	24.13	23.88
			1	25	23.93	24.07	23.78
			1	50	24.00	23.95	23.72
			1	51	22.75	22.83	22.85
			50	0	22.81	23.02	22.69
		16QAM	1	1	22.64	22.97	22.59
			1	25	22.65	22.86	22.64
			1	50	22.70	22.87	22.49
		64QAM	1	1	21.50	21.71	21.40
		256QAM	1	1	18.76	19.01	18.73
	CP-OFDM	QPSK	1	1	22.48	21.68	22.54
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	342500	349000	355500
					1712.50 MHz	1745.00 MHz	1777.50 MHz
5 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.45	23.37	23.42
			1	1	23.77	23.78	23.86
			1	13	23.88	23.77	23.83
			1	23	23.83	23.93	23.86
			1	24	23.41	23.28	23.45
			25	0	22.88	23.17	22.79
		QPSK	1	0	22.81	22.74	22.81
			1	1	23.79	24.18	23.73
			1	13	23.98	23.99	23.93
			1	23	23.72	24.12	23.68
			1	24	22.81	22.81	22.86
			25	0	22.69	23.21	22.75
		16QAM	1	1	22.61	22.83	22.52
			1	13	22.77	22.91	22.59
			1	23	22.79	23.05	22.58
		64QAM	1	1	21.46	21.70	21.41
		256QAM	1	1	18.75	19.07	18.73
	CP-OFDM	QPSK	1	1	22.44	22.34	22.41

NR Band n70 (ANT A)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset		340500	
						1702.50 MHz	
15 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0		23.10	
			1	1		24.01	
			1	39		24.34	
			1	77		24.54	
			1	78		23.50	
			75	0		23.23	
		QPSK	1	0		22.56	
			1	1		24.03	
			1	39		24.20	
			1	77		24.56	
			1	78		23.06	
			75	0		23.26	
		16QAM	1	0		21.51	
			1	1		22.94	
			1	39		23.23	
			1	77		23.41	
			1	78		21.91	
			75	0		21.78	
		64QAM	1	1		21.56	
		256QAM	1	1		18.98	
	CP-OFDM	QPSK	1	0		20.70	
			1	1		22.17	
			1	39		22.56	
			1	77		22.71	
			1	78		21.26	
			75	0		20.82	
		16QAM	1	0		20.68	
			1	1		21.76	
			1	39		22.11	
			1	77		22.04	
			1	78		20.95	
			75	0		20.83	
		64QAM	1	1		19.98	
		256QAM	1	1		17.38	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	340000	340500	341000
					1700.00 MHz	1702.50 MHz	1705.00 MHz
10 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.34	22.81	23.35
			1	1	24.24	23.82	24.08
			1	25	24.43	24.25	24.31
			1	50	24.44	24.35	24.45
			1	51	23.29	23.52	23.43
			50	0	23.36	23.24	23.25
		QPSK	1	0	21.87	22.22	22.64
			1	1	24.17	23.73	24.12
			1	25	24.40	24.25	24.29
			1	50	24.47	24.40	24.42
			1	51	22.84	22.98	22.94
			50	0	23.19	23.21	23.24
		16QAM	1	1	23.19	22.73	23.06
			1	25	23.34	23.15	23.17
			1	50	23.35	23.30	23.28
		64QAM	1	1	21.80	21.25	21.60
		256QAM	1	1	19.17	18.95	18.97
	CP-OFDM	QPSK	1	1	22.65	22.33	22.61

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	339500	340500	341500
					1697.50 MHz	1702.50 MHz	1707.50 MHz
5 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.49	23.51	23.56
			1	1	24.42	23.99	24.12
			1	12	24.51	24.05	24.32
			1	23	24.48	24.16	23.33
			1	24	22.93	23.52	23.56
		QPSK	25	0	23.45	23.13	23.38
			1	0	22.02	22.81	23.04
			1	1	24.38	23.79	24.15
			1	12	24.48	23.88	24.25
			1	23	24.51	24.18	24.40
			1	24	22.45	22.95	23.04
			25	0	23.44	23.11	23.19
		16QAM	1	1	23.22	22.82	23.08
			1	12	23.34	22.96	23.24
			1	23	23.34	23.24	23.29
		64QAM	1	1	21.98	21.39	21.47
		256QAM	1	1	19.25	18.94	19.05
	CP-OFDM	QPSK	1	1	23.00	21.05	22.62

NR Band n70 (ANT F)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset		340500	
						1702.50 MHz	
15 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0		23.42	
			1	1		24.40	
			1	39		24.62	
			1	77		24.61	
			1	78		23.40	
		QPSK	75	0		23.55	
			1	0		23.00	
			1	1		24.63	
			1	39		24.40	
			1	77		24.54	
			1	78		22.97	
			75	0		23.61	
		16QAM	1	0		22.06	
			1	1		23.22	
			1	39		23.21	
			1	77		23.31	
			1	78		21.91	
			75	0		22.00	
		64QAM	1	1		21.92	
		256QAM	1	1		19.26	
	CP-OFDM	QPSK	1	0		21.30	
			1	1		22.87	
			1	39		22.61	
			1	77		22.73	
			1	78		21.08	
			75	0		21.12	
		16QAM	1	0		21.25	
			1	1		21.91	
			1	39		21.99	
			1	77		22.18	
			1	78		21.16	
			75	0		21.14	
		64QAM	1	1		20.50	
		256QAM	1	1		17.58	

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	340000	340500	341000
					1700.00 MHz	1702.50 MHz	1705.00 MHz
10 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.49	23.57	23.47
			1	1	23.26	24.14	24.14
			1	25	24.43	24.10	24.26
			1	50	24.37	24.41	24.38
			1	51	23.62	23.53	23.55
			50	0	23.29	23.10	23.07
		QPSK	1	0	22.99	22.95	22.93
			1	1	24.20	24.01	24.19
			1	25	24.54	24.23	24.18
			1	50	24.42	24.27	24.34
			1	51	23.03	22.99	23.01
			50	0	23.23	23.15	23.03
		16QAM	1	1	23.18	22.85	23.05
			1	25	23.42	23.10	23.11
			1	50	23.32	23.29	23.35
		64QAM	1	1	21.76	21.65	21.85
		256QAM	1	1	19.10	18.98	18.88
	CP-OFDM	QPSK	1	1	22.80	22.57	22.57
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	339500	340500	341500
					1697.50 MHz	1702.50 MHz	1707.50 MHz
5 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.55	23.52	23.57
			1	1	24.37	24.01	24.10
			1	12	24.55	24.10	24.34
			1	23	24.32	24.03	24.35
			1	24	23.54	23.60	23.57
			25	0	23.29	23.22	23.20
		QPSK	1	0	22.96	22.89	22.96
			1	1	24.48	24.11	24.16
			1	12	24.49	24.11	24.19
			1	23	24.38	24.12	24.37
			1	24	22.95	22.98	22.98
			25	0	23.42	23.17	23.20
		16QAM	1	1	23.31	22.91	23.08
			1	12	23.35	23.00	23.16
			1	23	23.40	23.08	23.21
		64QAM	1	1	22.05	21.88	21.79
		256QAM	1	1	19.32	19.03	19.05
	CP-OFDM	QPSK	1	1	22.94	22.79	22.78

NR Band n71 (ANT A)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	134600	136100	137600
					673.00 MHz	680.50 MHz	688.00 MHz
20 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.10	23.23	23.36
			1	1	24.31	24.41	24.51
			1	52	24.35	24.44	24.53
			1	104	24.50	24.47	24.40
			1	105	23.50	23.44	23.39
		QPSK	100	0	23.50	23.65	23.62
			1	0	22.78	22.83	22.82
			1	1	24.30	24.36	24.47
			1	52	24.33	24.54	24.53
			1	104	24.49	24.57	24.43
			1	105	22.91	23.02	22.88
			100	0	23.50	23.60	23.63
		16QAM	1	0	21.77	21.69	21.71
			1	1	23.05	23.39	23.34
			1	52	23.16	23.48	23.48
			1	104	23.38	23.49	23.21
			1	105	21.65	21.89	21.67
			100	0	21.92	22.01	22.08
		64QAM	1	1	21.90	21.91	22.06
		256QAM	1	1	19.15	19.21	19.31
	CP-OFDM	QPSK	1	0	20.65	20.86	20.93
			1	1	22.30	22.41	22.38
			1	52	22.16	22.41	22.39
			1	104	22.71	22.70	22.53
			1	105	21.30	21.14	21.01
			106	0	20.96	21.20	21.17
		16QAM	1	0	20.97	20.88	20.60
			1	1	21.97	21.77	21.67
			1	52	21.70	21.96	22.11
			1	104	21.97	22.09	21.87
			1	105	21.09	21.09	20.94
			106	0	20.89	21.04	21.09
		64QAM	1	1	20.19	20.26	20.27
		256QAM	1	1	17.07	17.39	17.54
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	134100	136100	138100
					670.50 MHz	680.50 MHz	690.50 MHz
15 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.16	23.26	23.39
			1	1	24.33	24.21	23.58
			1	39	24.33	24.44	24.40
			1	76	24.50	24.47	24.37
			1	77	23.30	23.46	23.43
			75	0	23.56	23.47	23.60
		QPSK	1	0	22.69	22.79	22.99
			1	1	24.37	24.33	24.53
			1	39	24.39	24.45	24.39
			1	76	24.48	24.46	24.44
			1	77	22.81	23.02	22.92
			75	0	23.42	23.54	23.63
		16QAM	1	1	23.09	23.21	23.52
			1	39	23.31	23.31	23.34
			1	77	23.41	23.46	23.23
		64QAM	1	1	21.91	21.92	22.01
		256QAM	1	1	19.47	19.51	19.67
	CP-OFDM	QPSK	1	1	22.93	22.91	23.12

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	133600	136100	138600
					668.00 MHz	680.50 MHz	693.00 MHz
10 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.18	23.25	23.43
			1	1	24.35	24.30	23.25
			1	26	24.18	24.23	24.38
			1	49	24.39	24.29	24.39
			1	50	23.20	23.50	23.33
			50	0	23.52	23.49	23.51
		QPSK	1	0	22.68	22.76	22.92
			1	1	24.34	24.45	24.42
			1	26	24.20	24.47	24.34
			1	49	24.38	24.43	24.33
			1	50	22.70	23.02	22.92
			50	0	23.42	23.47	23.52
		16QAM	1	1	23.11	23.23	23.36
			1	26	23.16	23.28	23.24
			1	49	23.27	23.39	23.26
		64QAM	1	1	21.96	21.94	21.88
		256QAM	1	1	19.25	19.27	19.32
	CP-OFDM	QPSK	1	1	21.89	22.92	23.00
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	133100	136100	139100
					665.50 MHz	680.50 MHz	695.50 MHz
5 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.35	23.48	23.45
			1	1	24.48	24.64	23.45
			1	13	24.42	24.45	24.51
			1	23	24.41	24.59	24.62
			1	24	23.22	23.55	23.46
			25	0	23.55	23.65	23.58
		QPSK	1	0	22.78	22.99	22.94
			1	1	24.46	24.68	24.64
			1	13	24.31	24.50	24.52
			1	23	24.39	24.61	24.64
			1	24	22.81	23.03	23.06
			25	0	23.53	23.63	23.60
		16QAM	1	1	23.10	23.53	23.49
			1	13	23.25	23.38	23.38
			1	23	23.25	23.58	23.44
		64QAM	1	1	22.02	22.21	22.18
		256QAM	1	1	19.49	19.58	19.58
	CP-OFDM	QPSK	1	1	23.00	23.27	23.21

NR Band n71 (ANT E)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	134600	136100	137600
					673.00 MHz	680.50 MHz	688.00 MHz
20 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.77	23.77	23.91
			1	1	24.54	24.63	24.76
			1	52	24.62	24.77	24.73
			1	104	24.73	24.70	24.74
			1	105	23.85	23.94	23.82
			100	0	23.71	23.80	23.90
		QPSK	1	0	23.32	23.34	23.40
			1	1	24.58	24.81	24.75
			1	52	24.54	24.76	24.69
			1	104	24.73	24.76	24.78
			1	105	23.43	23.46	23.32
			100	0	23.71	23.83	23.93
		16QAM	1	0	22.65	22.22	22.28
			1	1	23.36	23.54	23.63
			1	52	23.44	23.65	23.71
			1	104	23.62	23.60	23.61
			1	105	22.45	22.31	22.18
			100	0	22.45	22.60	22.66
		64QAM	1	1	22.09	22.10	22.30
		256QAM	1	1	19.43	19.46	19.59
	CP-OFDM	QPSK	1	0	21.39	21.53	21.70
			1	1	23.07	23.00	23.15
			1	52	22.80	23.11	23.14
			1	104	22.98	23.20	22.96
			1	105	21.45	21.65	21.41
			106	0	21.54	21.68	21.61
		16QAM	1	0	21.46	21.76	21.41
			1	1	22.38	22.44	22.48
			1	52	22.45	22.50	22.47
			1	104	22.43	22.54	22.40
			1	105	21.57	21.51	21.32
			106	0	21.46	21.61	21.52
		64QAM	1	1	20.59	20.58	20.57
		256QAM	1	1	17.71	18.02	18.17
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	134100	136100	138100
					670.50 MHz	680.50 MHz	690.50 MHz
15 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.82	23.88	23.91
			1	1	24.60	24.76	24.79
			1	39	24.62	24.78	24.74
			1	76	24.72	24.80	24.74
			1	77	24.09	23.93	23.78
			75	0	23.78	23.87	23.89
		QPSK	1	0	23.29	23.41	23.44
			1	1	24.64	24.63	24.82
			1	39	24.66	24.66	24.70
			1	76	24.71	24.84	24.81
			1	77	23.48	23.55	23.23
			75	0	23.72	23.87	23.82
		16QAM	1	1	23.46	23.55	23.73
			1	39	23.53	23.63	23.70
			1	77	23.54	23.74	23.63
		64QAM	1	1	22.21	22.15	22.34
		256QAM	1	1	19.79	19.77	19.96
	CP-OFDM	QPSK	1	1	23.21	23.19	23.36

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	133600	136100	138600
					668.00 MHz	680.50 MHz	693.00 MHz
10 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.79	23.85	23.93
			1	1	24.68	24.71	24.72
			1	26	24.48	24.53	24.62
			1	49	24.64	24.61	24.66
			1	50	23.78	23.86	23.79
			50	0	23.78	23.81	23.88
		QPSK	1	0	23.27	23.31	23.41
			1	1	24.66	24.65	24.69
			1	26	24.45	24.68	24.64
			1	49	24.62	24.76	24.73
			1	50	23.29	23.47	23.30
			50	0	23.67	23.81	23.87
		16QAM	1	1	23.46	23.54	23.62
			1	26	23.40	23.56	23.61
			1	49	23.52	23.66	23.62
		64QAM	1	1	22.22	22.18	22.21
		256QAM	1	1	19.55	19.60	19.63
	CP-OFDM	QPSK	1	1	23.19	23.24	23.29
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	133100	136100	139100
					665.50 MHz	680.50 MHz	695.50 MHz
5 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.94	24.09	23.98
			1	1	24.76	24.81	24.89
			1	13	24.70	24.75	24.87
			1	23	24.68	24.77	24.92
			1	24	23.84	23.96	23.91
			25	0	23.86	23.87	23.89
		QPSK	1	0	23.50	23.50	23.54
			1	1	24.68	24.95	24.96
			1	13	24.61	24.73	24.88
			1	23	24.72	24.94	24.95
			1	24	23.38	23.57	23.41
			25	0	23.89	23.93	23.92
		16QAM	1	1	23.56	23.80	23.89
			1	13	23.40	23.64	23.77
			1	23	23.50	23.81	23.88
		64QAM	1	1	22.32	22.46	22.44
		256QAM	1	1	19.70	19.85	19.84
	CP-OFDM	QPSK	1	1	23.29	23.52	23.54

NR Band n77(PC2, 3450-3550 MHz) (ANT F)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset		633332	
						3499.98 MHz	
100 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0		21.36	
			1	1		25.12	
			1	136		24.88	
			1	271		25.05	
			1	272		21.33	
			270	0		24.77	
		QPSK	1	0		21.37	
			1	1		25.18	
			1	136		24.78	
			1	271		25.07	
			1	272		21.38	
			270	0		24.06	
		16QAM	1	0		21.34	
			1	1		24.00	
			1	136		23.88	
			1	271		23.92	
			1	272		21.10	
			270	0		23.15	
		64QAM	1	1		22.19	
		256QAM	1	1		20.43	
	CP-OFDM	QPSK	1	0		21.39	
			1	1		23.79	
			1	136		23.23	
			1	271		23.82	
			1	272		21.51	
			270	0		22.16	
		16QAM	1	0		21.39	
			1	1		23.19	
			1	136		22.94	
			1	271		23.22	
			1	272		21.70	
			270	0		22.20	
		64QAM	1	1		21.23	
		256QAM	1	1		18.44	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	633000	633332	633666
					3495.00 MHz	3499.98 MHz	3504.99MHz
90 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	21.49	21.42	21.42
			1	1	24.98	25.06	25.07
			1	123	24.84	24.95	24.88
			1	243	25.15	25.13	25.03
			1	244	21.47	21.49	21.39
			243	0	24.70	24.75	24.72
		QPSK	1	0	21.42	21.41	21.49
			1	1	25.07	25.02	25.09
			1	123	24.71	24.85	24.74
			1	243	25.11	25.11	24.99
			1	244	21.51	21.47	21.49
			243	0	24.34	24.15	24.15
		16QAM	1	1	23.93	23.94	23.96
			1	123	23.71	23.75	23.77
			1	243	24.09	23.88	23.83
		64QAM	1	1	22.19	22.25	22.35
		256QAM	1	1	20.39	20.41	20.39
	CP-OFDM	QPSK	1	1	23.74	23.63	23.82

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	632668	633332	634000
					3490.02 MHz	3499.98 MHz	3510.00 MHz
80 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	21.40	21.35	21.36
			1	1	24.97	25.00	25.02
			1	108	24.76	24.85	24.91
			1	215	25.16	25.08	25.04
			1	216	21.48	21.40	21.37
		QPSK	216	0	24.71	24.72	24.73
			1	0	21.32	21.42	21.46
			1	1	24.96	24.98	25.07
			1	108	24.90	24.88	24.94
			1	215	25.15	25.14	25.07
			1	216	21.52	21.41	21.41
			216	0	24.20	24.19	24.06
		16QAM	1	1	23.90	23.91	23.92
			1	108	23.74	23.71	23.78
			1	215	24.02	23.94	24.01
		64QAM	1	1	22.08	22.23	22.19
		256QAM	1	1	20.33	20.35	20.33
	CP-OFDM	QPSK	1	1	23.51	23.59	23.65
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	632334	633332	634332
					3485.01 MHz	3499.98 MHz	3514.98 MHz
70 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	21.25	21.32	21.39
			1	1	24.93	24.96	25.07
			1	94	24.71	24.90	24.82
			1	187	25.04	25.05	24.81
			1	188	21.48	21.37	21.27
		QPSK	180	0	24.64	24.73	24.73
			1	0	21.23	21.33	21.39
			1	1	24.86	25.02	25.01
			1	94	24.73	24.88	24.82
			1	187	25.05	25.11	24.90
			1	188	21.48	21.36	21.26
			180	0	24.16	24.18	24.20
		16QAM	1	1	23.77	23.90	23.96
			1	94	23.68	23.83	23.75
			1	187	23.93	23.96	23.75
		64QAM	1	1	22.04	22.09	22.13
		256QAM	1	1	20.14	20.24	20.31
	CP-OFDM	QPSK	1	1	23.56	23.68	23.60
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	632000	633332	634666
					3480.00 MHz	3499.98 MHz	3519.99 MHz
60 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	21.11	21.31	21.45
			1	1	24.80	24.98	25.06
			1	80	24.85	25.00	25.00
			1	160	25.03	24.95	24.89
			1	161	21.45	21.43	21.26
		QPSK	162	0	24.61	24.69	24.66
			1	0	21.14	21.29	21.47
			1	1	24.76	24.91	25.02
			1	80	24.74	24.88	24.95
			1	160	24.99	24.98	24.92
			1	161	21.42	21.41	21.14
			162	0	23.99	24.11	24.07
		16QAM	1	1	23.72	23.85	24.04
			1	80	23.69	23.91	23.69
			1	160	23.93	23.98	23.81
		64QAM	1	1	22.05	22.04	22.11
		256QAM	1	1	20.08	20.25	20.39
	CP-OFDM	QPSK	1	1	23.47	23.56	23.73

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	631668	633332	635000
					3475.02 MHz	3499.98 MHz	3525.00 MHz
50 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	21.44	21.63	21.65
			1	1	25.10	25.18	25.30
			1	66	24.84	25.03	24.99
			1	131	25.31	25.24	25.07
			1	132	21.69	21.69	21.51
		QPSK	128	0	24.80	24.93	24.88
			1	0	21.43	21.62	21.72
			1	1	25.11	25.11	25.25
			1	66	24.78	24.99	24.97
			1	131	25.40	25.24	25.11
			1	132	21.65	21.72	21.47
			128	0	24.33	24.39	24.35
		16QAM	1	1	23.95	24.16	24.16
			1	66	23.70	24.06	23.98
			1	131	24.13	24.22	23.99
		64QAM	1	1	22.23	22.36	22.54
		256QAM	1	1	20.34	20.46	20.62
	CP-OFDM	QPSK	1	1	23.81	23.80	24.03
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	631334	633332	635332
					3470.01 MHz	3499.98 MHz	3529.98 MHz
40 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	21.34	21.43	21.58
			1	1	24.91	25.00	25.16
			1	52	24.79	24.95	24.99
			1	104	25.02	25.10	24.88
			1	105	21.45	21.44	21.27
		QPSK	100	0	24.67	24.82	24.74
			1	0	21.22	21.42	21.47
			1	1	24.87	25.00	25.13
			1	52	24.77	24.89	25.02
			1	104	25.03	25.03	24.84
			1	105	21.43	21.44	21.33
			100	0	24.13	24.25	24.22
		16QAM	1	1	23.73	24.07	24.04
			1	52	23.71	24.02	23.95
			1	104	23.87	24.02	23.77
		64QAM	1	1	22.09	22.23	22.27
		256QAM	1	1	20.18	20.33	20.47
	CP-OFDM	QPSK	1	1	23.64	23.70	23.67
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	631000	633332	635668
					3465.00 MHz	3499.98 MHz	3535.02 MHz
30 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	21.38	21.49	21.59
			1	1	24.97	25.12	25.20
			1	39	24.74	24.91	25.02
			1	76	25.07	25.14	24.94
			1	77	21.38	21.52	21.35
		QPSK	75	0	24.65	24.80	24.74
			1	0	21.31	21.46	21.53
			1	1	25.02	25.09	25.16
			1	39	24.71	24.97	24.91
			1	76	25.11	25.16	24.97
			1	77	21.52	21.47	21.42
			75	0	24.10	24.24	24.21
		16QAM	1	1	23.81	24.04	24.02
			1	39	23.66	23.90	23.97
			1	76	23.95	24.15	23.82
		64QAM	1	1	22.10	22.38	22.28
		256QAM	1	1	20.30	20.40	20.44
	CP-OFDM	QPSK	1	1	23.59	23.78	23.68

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	630834	633332	635832
					3462.51 MHz	3499.98 MHz	3537.48 MHz
25 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	21.41	21.62	21.54
			1	1	25.06	25.20	25.15
			1	32	24.77	25.00	25.13
			1	63	25.12	25.19	25.01
			1	64	21.48	21.63	21.35
			64	0	24.58	24.81	24.73
		QPSK	1	0	21.33	21.53	21.54
			1	1	24.94	25.23	25.14
			1	32	24.76	25.00	25.01
			1	63	25.12	25.24	25.06
			1	64	21.52	21.58	21.39
			64	0	24.13	24.27	24.21
		16QAM	1	1	23.79	24.09	24.06
			1	32	23.73	23.98	23.95
			1	63	24.01	24.12	23.99
		64QAM	1	1	22.18	22.40	22.42
		256QAM	1	1	20.34	20.50	20.48
	CP-OFDM	QPSK	1	1	23.46	23.83	23.75
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	630668	633332	636000
					3460.02 MHz	3499.98 MHz	3540.00 MHz
20 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	21.33	21.53	21.43
			1	1	24.91	25.11	25.11
			1	26	24.83	25.04	25.01
			1	49	24.98	25.15	24.98
			1	50	21.34	21.54	21.41
			50	0	24.62	24.79	24.68
		QPSK	1	0	21.32	21.49	21.52
			1	1	24.85	25.06	25.16
			1	26	24.83	24.90	24.94
			1	49	24.94	25.14	25.05
			1	50	21.41	21.60	21.36
			50	0	24.08	24.23	24.14
		16QAM	1	1	23.81	24.11	23.94
			1	26	23.73	24.01	23.85
			1	49	23.88	24.06	23.91
		64QAM	1	1	22.09	22.38	22.40
		256QAM	1	1	20.29	20.47	20.46
	CP-OFDM	QPSK	1	1	23.55	23.71	23.64
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	630500	633332	636168
					3457.50 MHz	3499.98 MHz	3542.52 MHz
15 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	21.30	21.48	21.50
			1	1	24.91	25.14	24.98
			1	19	24.87	25.17	25.04
			1	36	25.00	25.07	24.94
			1	37	21.38	21.55	21.36
			36	0	24.67	24.79	24.67
		QPSK	1	0	21.26	21.47	21.54
			1	1	24.87	25.15	25.08
			1	19	24.82	25.06	24.98
			1	36	24.97	25.09	25.00
			1	37	21.40	21.57	21.33
			36	0	24.07	24.23	24.09
		16QAM	1	1	23.75	24.02	23.85
			1	19	23.86	23.94	23.70
			1	36	24.01	23.98	23.82
		64QAM	1	1	22.04	22.24	22.24
		256QAM	1	1	20.25	20.46	20.37
	CP-OFDM	QPSK	1	1	23.45	23.64	23.59

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	630334	633332	636332
					3455.01 MHz	3499.98 MHz	3544.98 MHz
10 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	21.36	21.53	21.46
			1	1	25.02	25.18	25.11
			1	12	24.95	25.15	24.95
			1	22	25.02	25.18	25.02
			1	23	21.33	21.55	21.42
		QPSK	24	0	24.58	24.80	24.66
			1	0	21.37	21.60	21.54
			1	1	25.00	25.20	25.10
			1	12	24.92	25.15	25.09
			1	22	24.97	25.13	25.15
			1	23	21.41	21.65	21.44
			24	0	24.09	24.28	24.13
		16QAM	1	1	24.09	24.26	23.98
			1	12	23.79	24.17	23.82
			1	22	23.98	24.28	23.89
		64QAM	1	1	22.17	22.36	22.30
		256QAM	1	1	20.31	20.46	20.48
	CP-OFDM	QPSK	1	1	23.42	23.72	23.49

NR Band n77 (PC2, 3450-3550 MHz) SRS2 (ANT C) / SRS3 (ANT I) / SRS4 (ANT D)

Maximum Average Power (dBm) SRS2				Tune-up Limit	Maximum Average Power (dBm) SRS3				Tune-up Limit	Maximum Average Power (dBm) SRS4				Tune-up Limit
				22.5					21.0					20.5
BW (MHz)	RB Allocation	RB offset	MPR		BW (MHz)	RB Allocation	RB offset	MPR		BW (MHz)	RB Allocation	RB offset	MPR	
	1	1	0.0			1	1	0.0			1	1	0.0	
Measured Pwr (dBm)					Measured Pwr (dBm)					Measured Pwr (dBm)				
100 MHz		633332			100 MHz		633332			100 MHz		633332		
		3499.98 MHz					3499.98 MHz					3499.98 MHz		
		22.13					20.40					20.02		
90 MHz	633000	633332	633666		90 MHz	633000	633332	633666		90 MHz	633000	633332	633666	
	3495.00 MHz	3499.98 MHz	3504.99 MHz			3495.00 MHz	3499.98 MHz	3504.99 MHz			3495.00 MHz	3499.98 MHz	3504.99 MHz	
	21.82	21.81	21.76			20.33	20.23	20.21			19.86	19.85	19.70	
80 MHz	632668	633332	634000		80 MHz	632668	633332	634000		80 MHz	632668	633332	634000	
	3490.02 MHz	3499.98 MHz	3510.00 MHz			3490.02 MHz	3499.98 MHz	3510.00 MHz			3490.02 MHz	3499.98 MHz	3510.00 MHz	
	21.80	21.81	21.65			20.14	20.09	20.12			19.82	19.75	19.52	
70 MHz	632334	633332	634332		70 MHz	632334	633332	634332		70 MHz	632334	633332	634332	
	3485.01 MHz	3499.98 MHz	3514.98 MHz			3485.01 MHz	3499.98 MHz	3514.98 MHz			3485.01 MHz	3499.98 MHz	3514.98 MHz	
	21.84	21.72	21.58			20.20	20.13	20.01			19.82	19.74	19.31	
60 MHz	632000	633332	634666		60 MHz	632000	633332	634666		60 MHz	632000	633332	634666	
	3480.00 MHz	3499.98 MHz	3519.99 MHz			3480.00 MHz	3499.98 MHz	3519.99 MHz			3480.00 MHz	3499.98 MHz	3519.99 MHz	
	21.86	21.77	21.47			20.06	20.01	19.91			19.73	19.55	19.41	
50 MHz	631668	633332	635000		50 MHz	631668	633332	635000		50 MHz	631668	633332	635000	
	3475.02 MHz	3499.98 MHz	3525.00 MHz			3475.02 MHz	3499.98 MHz	3525.00 MHz			3475.02 MHz	3499.98 MHz	3525.00 MHz	
	22.09	21.80	21.48			20.31	20.17	20.10			19.86	19.74	19.11	
40 MHz	631334	633332	635332		40 MHz	631334	633332	635332		40 MHz	631334	633332	635332	
	3470.01 MHz	3499.98 MHz	3529.98 MHz			3470.01 MHz	3499.98 MHz	3529.98 MHz			3470.01 MHz	3499.98 MHz	3529.98 MHz	
	22.13	21.76	21.10			20.08	20.00	19.90			19.85	19.41	18.81	
30 MHz	631000	633332	635666		30 MHz	631000	633332	635666		30 MHz	631000	633332	635666	
	3465.00 MHz	3499.98 MHz	3534.99 MHz			3465.00 MHz	3499.98 MHz	3534.99 MHz			3465.00 MHz	3499.98 MHz	3534.99 MHz	
	21.96	21.82	21.24			20.12	20.02	19.88			19.55	19.12	18.71	
25 MHz	630834	633332	635832		25 MHz	630834	633332	635832		25 MHz	630834	633332	635832	
	3462.51 MHz	3499.98 MHz	3537.48 MHz			3462.51 MHz	3499.98 MHz	3537.48 MHz			3462.51 MHz	3499.98 MHz	3537.48 MHz	
	21.96	21.61	20.81			20.25	20.14	20.00			19.55	18.94	18.38	
20 MHz	630668	633332	636000		20 MHz	630668	633332	636000		20 MHz	630668	633332	636000	
	3460.02 MHz	3499.98 MHz	3540.00 MHz			3460.02 MHz	3499.98 MHz	3540.00 MHz			3460.02 MHz	3499.98 MHz	3540.00 MHz	
	22.11	21.55	20.82			20.21	19.99	19.81			19.54	19.02	18.13	
15 MHz	630500	633332	636166		15 MHz	630500	633332	636166		15 MHz	630500	633332	636166	
	3457.50 MHz	3499.98 MHz	3542.49 MHz			3457.50 MHz	3499.98 MHz	3542.49 MHz			3457.50 MHz	3499.98 MHz	3542.49 MHz	
	21.83	21.50	20.44			20.20	19.93	19.74			19.57	18.92	18.22	
10 MHz	630334	633332	636332		10 MHz	630334	633332	636332		10 MHz	630334	633332	636332	
	3455.01 MHz	3499.98 MHz	3544.98 MHz			3455.01 MHz	3499.98 MHz	3544.98 MHz			3455.01 MHz	3499.98 MHz	3544.98 MHz	
	21.80	21.27	20.44			20.14	19.97	19.78			19.56	18.75	18.11	

NR Band n77 (PC2, 3700-3980 MHz) (ANT F)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	650000	656000	662000
					3750.00 MHz	3840.00 MHz	3930.00 MHz
100 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	21.04	21.24	21.63
			1	1	24.87	25.04	25.29
			1	136	24.76	25.13	24.65
			1	271	24.99	25.32	25.40
			1	272	21.11	21.48	21.57
			270	0	24.41	24.82	24.86
		QPSK	1	0	21.04	21.27	21.58
			1	1	24.84	24.98	25.36
			1	136	24.70	25.11	24.76
			1	271	24.85	25.16	25.23
			1	272	21.11	21.51	21.61
			270	0	23.93	24.31	24.45
		16QAM	1	0	21.11	21.26	21.40
			1	1	23.86	23.96	24.25
			1	136	23.52	24.05	23.55
			1	271	23.87	24.35	24.33
			1	272	21.20	21.73	21.53
			270	0	22.81	23.20	23.23
		64QAM	1	1	22.08	22.17	22.59
		256QAM	1	1	20.19	20.27	20.67
	CP-OFDM	QPSK	1	0	21.17	21.23	21.70
			1	1	23.65	23.76	23.80
			1	136	23.24	23.63	23.16
			1	271	23.75	23.91	23.77
			1	272	21.39	21.79	21.78
			270	0	21.84	22.26	22.34
		16QAM	1	0	21.15	21.33	21.77
			1	1	22.81	23.16	23.43
			1	136	22.76	23.18	22.80
			1	271	22.96	23.28	23.32
			1	272	21.31	21.75	21.95
			270	0	21.86	22.23	22.33
		64QAM	1	1	21.09	21.16	21.40
		256QAM	1	1	18.20	18.49	18.70
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	649666	656000	662332
					3744.99 MHz	3840.00 MHz	3934.98MHz
90 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	21.17	21.44	21.76
			1	1	24.84	25.00	25.28
			1	123	24.77	25.13	24.63
			1	243	24.89	25.31	25.23
			1	244	21.38	21.61	21.81
			243	0	24.43	24.77	24.86
		QPSK	1	0	21.22	21.40	21.81
			1	1	24.76	25.03	25.28
			1	123	24.63	25.02	24.56
			1	243	24.79	25.26	25.23
			1	244	21.22	21.68	21.82
			243	0	23.86	24.24	24.41
		16QAM	1	1	23.80	24.02	24.33
			1	123	23.65	24.01	23.68
			1	243	23.81	24.30	24.22
		64QAM	1	1	22.37	22.20	22.50
		256QAM	1	1	20.11	20.36	20.64
	CP-OFDM	QPSK	1	1	23.53	23.76	23.79

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	649334	656000	662666
					3740.01 MHz	3840.00 MHz	3939.99 MHz
80 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	21.12	21.34	21.60
			1	1	24.78	24.89	25.24
			1	108	24.71	25.05	24.71
			1	215	24.91	25.27	25.21
			1	216	21.14	21.60	21.73
			216	0	24.39	24.75	24.91
		QPSK	1	0	21.07	21.30	21.59
			1	1	24.69	24.87	25.24
			1	108	24.60	25.08	24.66
			1	215	24.70	25.22	25.26
			1	216	21.19	21.60	21.64
			216	0	23.91	24.24	24.35
		16QAM	1	1	23.76	23.95	24.20
			1	108	23.51	24.08	23.72
			1	215	23.75	24.29	24.30
		64QAM	1	1	22.21	22.13	22.40
		256QAM	1	1	20.14	20.22	20.60
	CP-OFDM	QPSK	1	1	23.53	23.48	23.70
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	649000	656000	663000
					3735.00 MHz	3840.00 MHz	3945.00 MHz
70 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	21.03	21.26	21.52
			1	1	24.69	24.92	25.20
			1	94	24.73	25.05	24.71
			1	187	24.78	25.16	25.17
			1	188	21.15	21.52	21.63
			180	0	24.50	24.77	24.90
		QPSK	1	0	21.02	21.26	21.45
			1	1	24.67	24.90	25.16
			1	94	24.64	24.95	24.74
			1	187	24.63	25.15	25.05
			1	188	21.03	21.55	21.67
			180	0	23.95	24.20	24.39
		16QAM	1	1	23.62	23.94	24.07
			1	94	23.58	23.93	23.78
			1	187	23.67	24.20	24.13
		64QAM	1	1	22.05	22.10	22.37
		256QAM	1	1	20.03	20.32	20.47
	CP-OFDM	QPSK	1	1	23.37	23.58	23.69
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	648668	656000	663332
					3730.02 MHz	3840.00 MHz	3949.98 MHz
60 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	21.09	21.22	21.50
			1	1	24.63	24.79	25.14
			1	80	24.59	24.90	24.76
			1	160	24.66	25.01	25.16
			1	161	21.11	21.49	21.51
			162	0	24.29	24.68	24.83
		QPSK	1	0	21.05	21.34	21.44
			1	1	24.61	24.85	24.95
			1	80	24.57	24.95	24.70
			1	160	24.63	24.99	25.14
			1	161	21.06	21.45	21.59
			162	0	23.76	24.15	24.27
		16QAM	1	1	23.70	23.77	24.02
			1	80	23.54	23.77	23.65
			1	160	23.70	23.89	24.12
		64QAM	1	1	22.03	22.03	22.21
		256QAM	1	1	20.27	20.19	20.34
	CP-OFDM	QPSK	1	1	23.38	23.47	23.63

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	648334	656000	663666
					3725.01 MHz	3840.00 MHz	3954.99 MHz
50 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	21.22	21.54	22.08
			1	1	24.84	25.17	25.63
			1	66	24.88	25.25	25.76
			1	131	24.86	25.30	25.70
			1	132	21.26	21.69	22.18
			128	0	24.46	24.87	25.27
		QPSK	1	0	21.27	21.57	21.99
			1	1	24.78	25.05	25.58
			1	66	24.84	25.09	25.62
			1	131	24.84	25.24	25.81
			1	132	21.27	21.70	22.13
			128	0	24.03	24.35	24.76
		16QAM	1	1	23.77	23.89	24.62
			1	66	23.65	24.06	24.69
			1	131	23.73	24.10	24.75
		64QAM	1	1	22.07	22.23	22.84
		256QAM	1	1	20.14	20.35	20.93
	CP-OFDM	QPSK	1	1	23.54	23.79	24.42
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	648000	656000	664000
					3720.02 MHz	3840.00 MHz	3960.00 MHz
40 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	21.03	21.29	21.88
			1	1	24.69	24.95	25.41
			1	52	24.71	24.84	25.44
			1	104	24.78	25.05	25.50
			1	105	21.05	21.47	21.98
			100	0	24.42	24.69	25.21
		QPSK	1	0	21.08	21.32	21.73
			1	1	24.60	24.84	25.48
			1	52	24.65	24.73	25.50
			1	104	24.65	25.07	25.50
			1	105	21.07	21.50	21.97
			100	0	23.86	24.20	24.64
		16QAM	1	1	23.74	23.85	24.45
			1	52	23.76	23.78	24.38
			1	104	23.75	24.08	24.53
		64QAM	1	1	22.05	22.07	22.54
		256QAM	1	1	20.07	20.20	20.72
	CP-OFDM	QPSK	1	1	23.26	23.48	23.98
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	647668	656000	664332
					3715.02 MHz	3840.00 MHz	3964.98 MHz
30 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	21.06	21.50	21.91
			1	1	24.72	25.01	25.56
			1	39	24.82	24.93	25.45
			1	76	24.69	25.15	25.63
			1	77	21.15	21.56	21.96
			75	0	24.46	24.86	25.17
		QPSK	1	0	21.06	21.36	21.97
			1	1	24.64	25.01	25.53
			1	39	24.69	24.86	25.41
			1	76	24.77	25.20	25.55
			1	77	21.11	21.50	22.00
			75	0	23.89	24.30	24.71
		16QAM	1	1	23.65	23.92	24.58
			1	39	23.63	23.74	24.32
			1	76	23.62	23.96	24.53
		64QAM	1	1	22.02	22.20	22.84
		256QAM	1	1	20.04	20.28	20.91
	CP-OFDM	QPSK	1	1	23.27	23.67	24.30

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	647500	656000	664500
					3712.5 MHz	3840.00 MHz	3967.5 MHz
25 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	21.10	21.54	21.97
			1	1	24.72	25.21	25.65
			1	32	24.91	24.86	25.56
			1	63	24.73	25.20	25.62
			1	64	21.11	21.54	22.03
		QPSK	64	0	24.45	24.81	25.19
			1	0	21.14	21.61	22.00
			1	1	24.69	25.12	25.62
			1	32	24.85	24.91	25.53
			1	63	24.67	25.05	25.59
			1	64	21.06	21.54	21.96
			64	0	23.91	24.32	24.67
		16QAM	1	1	23.58	24.00	24.53
			1	32	23.62	23.80	24.35
			1	63	23.57	23.99	24.59
		64QAM	1	1	22.07	22.41	22.76
		256QAM	1	1	20.05	20.55	20.93
	CP-OFDM	QPSK	1	1	23.29	23.67	24.20
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	647334	656000	664666
					3710.01 MHz	3840.00 MHz	3969.99 MHz
20 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	21.05	21.37	21.98
			1	1	24.62	25.03	25.51
			1	26	24.67	24.90	25.53
			1	49	24.65	25.11	25.60
			1	50	21.08	21.39	21.99
		QPSK	50	0	24.29	24.87	25.20
			1	0	21.08	21.39	21.79
			1	1	24.54	25.06	25.48
			1	26	24.60	24.87	25.47
			1	49	24.52	25.14	25.55
			1	50	21.10	21.54	21.93
		16QAM	50	0	23.70	24.31	24.64
			1	1	23.59	24.06	24.59
			1	26	23.53	23.89	24.57
			1	49	23.64	23.99	24.67
		64QAM	1	1	22.06	22.23	22.71
		256QAM	1	1	20.02	20.47	20.82
	CP-OFDM	QPSK	1	1	23.12	23.58	24.13
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	647168	656000	664832
					3709.52 MHz	3840.00 MHz	3972.48 MHz
15 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	21.02	21.49	21.98
			1	1	24.67	25.06	25.59
			1	19	24.58	24.96	25.52
			1	36	24.73	25.18	25.62
			1	37	21.07	21.61	22.05
		QPSK	36	0	24.28	24.80	25.30
			1	0	21.03	21.54	21.98
			1	1	24.59	25.09	25.54
			1	19	24.56	24.89	25.48
			1	36	24.64	25.16	25.56
			1	37	21.12	21.61	22.01
			36	0	23.78	24.22	24.71
		16QAM	1	1	23.61	24.07	24.55
			1	19	23.55	23.87	24.51
			1	36	23.61	24.18	24.63
		64QAM	1	1	22.24	22.33	22.70
		256QAM	1	1	20.09	20.47	20.90
	CP-OFDM	QPSK	1	1	23.16	23.68	24.18

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	647000	656000	665000
					3705.00 MHz	3840.00 MHz	3975.00 MHz
10 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	21.04	21.43	21.96
			1	1	24.65	25.03	25.67
			1	12	24.62	25.01	25.61
			1	22	24.81	25.04	25.75
			1	23	21.09	21.61	22.06
		QPSK	24	0	24.26	24.76	25.27
			1	0	21.03	21.54	21.99
			1	1	24.55	25.14	25.56
			1	12	24.56	25.05	25.59
			1	22	24.75	25.06	25.60
			1	23	21.04	21.59	22.06
			24	0	23.72	24.32	24.73
		16QAM	1	1	23.60	24.17	24.55
			1	12	23.54	24.06	24.45
			1	22	23.73	24.23	24.63
		64QAM	1	1	22.05	22.27	22.71
		256QAM	1	1	20.07	20.42	20.88
	CP-OFDM	QPSK	1	1	23.22	23.53	24.24

NR Band n77 (PC2, 3700-3980 MHz) SRS2 (ANT C) / SRS3 (ANT I) / SRS4 (ANT D)

Maximum Average Power (dBm) SRS2				Tune-up Limit	Maximum Average Power (dBm) SRS3				Tune-up Limit	Maximum Average Power (dBm) SRS4				Tune-up Limit
				22.5					21.0					20.5
BW (MHz)	RB Allocation	RB offset	MPR		BW (MHz)	RB Allocation	RB offset	MPR		BW (MHz)	RB Allocation	RB offset	MPR	
	1	1	0.0			1	1	0.0			1	1	0.0	
Measured Pwr (dBm)					Measured Pwr (dBm)					Measured Pwr (dBm)				
100 MHz	650000	656000	662000		100 MHz	650000	656000	662000		100 MHz	650000	656000	662000	
	3750.00 MHz	3840.00 MHz	3930.00 MHz			3750.00 MHz	3840.00 MHz	3930.00 MHz			3750.00 MHz	3840.00 MHz	3930.00 MHz	
	21.05	20.68	20.46			19.55	19.48	19.75			19.61	18.74	18.91	
90 MHz	649668	656000	662332		90 MHz	649668	656000	662332		90 MHz	649668	656000	662332	
	3745.02 MHz	3840.00 MHz	3934.98MHz			3745.02 MHz	3840.00 MHz	3934.98MHz			3745.02 MHz	3840.00 MHz	3934.98MHz	
	20.98	20.56	20.35			19.03	19.45	19.25			19.55	18.70	18.65	
80 MHz	649334	656000	662666		80 MHz	649334	656000	662666		80 MHz	649334	656000	662666	
	3740.01 MHz	3840.00 MHz	3939.99 MHz			3740.01 MHz	3840.00 MHz	3939.99 MHz			3740.01 MHz	3840.00 MHz	3939.99 MHz	
	20.95	20.58	20.22			19.25	19.45	19.51			19.53	18.53	18.55	
70 MHz	649000	656000	663000		70 MHz	649000	656000	663000		70 MHz	649000	656000	663000	
	3735.00 MHz	3840.00 MHz	3945.00 MHz			3735.00 MHz	3840.00 MHz	3945.00 MHz			3735.00 MHz	3840.00 MHz	3945.00 MHz	
	21.00	20.61	20.31			19.23	19.42	19.69			19.43	18.41	18.54	
60 MHz	648668	656000	663332		60 MHz	648668	656000	663332		60 MHz	648668	656000	663332	
	3730.02 MHz	3840.00 MHz	3949.98 MHz			3730.02 MHz	3840.00 MHz	3949.98 MHz			3730.02 MHz	3840.00 MHz	3949.98 MHz	
	21.00	20.75	20.26			19.16	19.36	19.59			19.36	18.39	18.49	
50 MHz	648334	656000	663666		50 MHz	648334	656000	663666		50 MHz	648334	656000	663666	
	3725.01 MHz	3840.00 MHz	3954.99 MHz			3725.01 MHz	3840.00 MHz	3954.99 MHz			3725.01 MHz	3840.00 MHz	3954.99 MHz	
	21.14	20.55	21.43			19.14	19.39	19.64			19.58	18.59	19.81	
40 MHz	648000	656000	664000		40 MHz	648000	656000	664000		40 MHz	648000	656000	664000	
	3720.02 MHz	3840.00 MHz	3960.00 MHz			3720.02 MHz	3840.00 MHz	3960.00 MHz			3720.02 MHz	3840.00 MHz	3960.00 MHz	
	20.87	20.34	21.04			19.18	19.18	19.51			19.29	18.45	19.45	
30 MHz	647668	656000	664332		30 MHz	647668	656000	664332		30 MHz	647668	656000	664332	
	3715.02 MHz	3840.00 MHz	3964.98 MHz			3715.02 MHz	3840.00 MHz	3964.98 MHz			3715.02 MHz	3840.00 MHz	3964.98 MHz	
	20.94	20.22	20.94			19.21	19.58	19.51			19.20	18.22	19.32	
25 MHz	647500	656000	664500		25 MHz	647500	656000	664500		25 MHz	647500	656000	664500	
	3712.50 MHz	3840.00 MHz	3967.50 MHz			3712.50 MHz	3840.00 MHz	3967.50 MHz			3712.50 MHz	3840.00 MHz	3967.50 MHz	
	20.84	20.22	21.01			19.34	19.54	19.61			19.18	18.23	19.31	
20 MHz	647334	656000	664666		20 MHz	647334	656000	664666		20 MHz	647334	656000	664666	
	3710.01 MHz	3840.00 MHz	3969.99 MHz			3710.01 MHz	3840.00 MHz	3969.99 MHz			3710.01 MHz	3840.00 MHz	3969.99 MHz	
	20.82	20.25	20.95			19.19	19.48	19.49			19.25	18.22	19.28	
15 MHz	647168	656000	664832		15 MHz	647168	656000	664832		15 MHz	647168	656000	664832	
	3707.52 MHz	3840.00 MHz	3972.48 MHz			3707.52 MHz	3840.00 MHz	3972.48 MHz			3707.52 MHz	3840.00 MHz	3972.48 MHz	
	20.87	20.37	20.93			19.24	19.51	19.52			19.30	18.22	19.21	
10 MHz	647000	656000	665000		10 MHz	647000	656000	665000		10 MHz	647000	656000	665000	
	3705.00 MHz	3840.00 MHz	3975.00 MHz			3705.00 MHz	3840.00 MHz	3975.00 MHz			3705.00 MHz	3840.00 MHz	3975.00 MHz	
	20.78	20.21	20.77			19.27	19.51	19.54			19.31	18.21	19.19	

8.2. PEAK TO AVERAGE RATIO

Test Procedure

Per KDB 971168 D01 Power Meas License Digital Systems v03r01;

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

Test Spec

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

NOTE

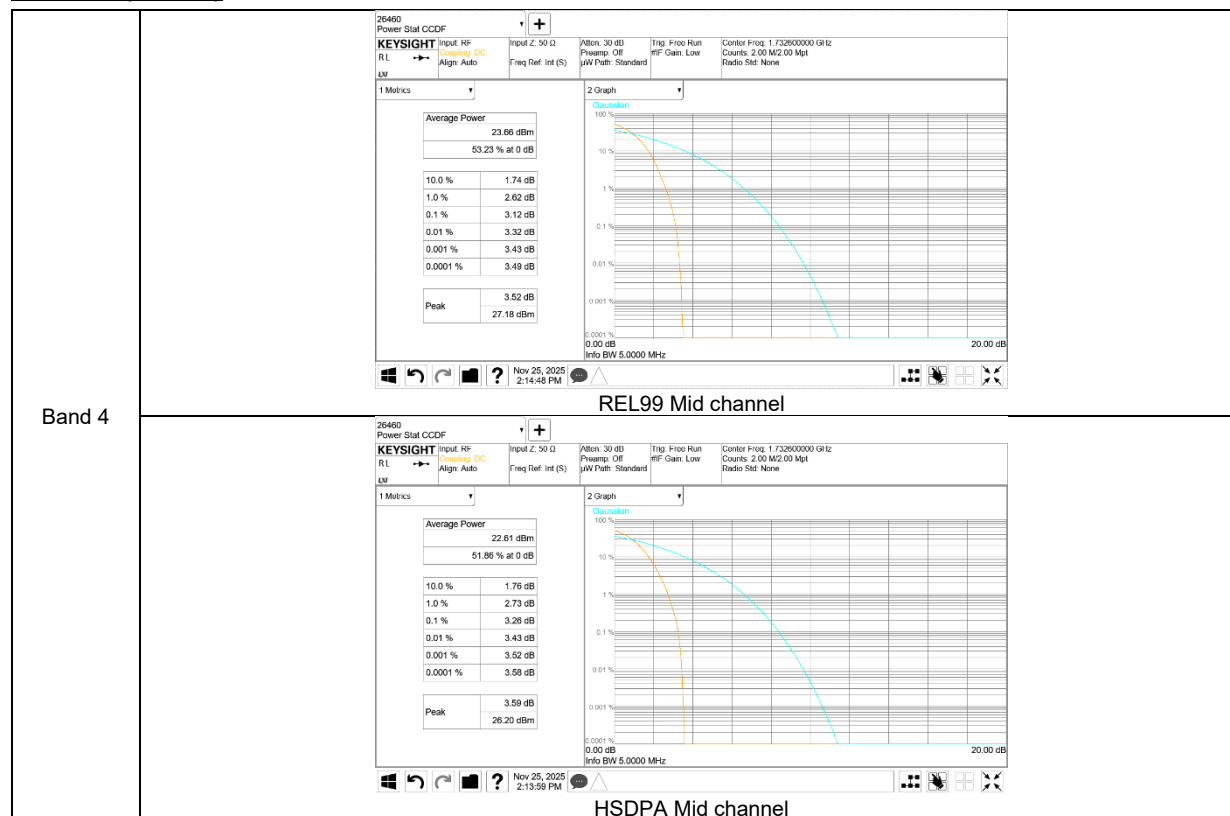
LTE: All modulations were investigated and the worst modulations (QPSK, 256QAM) are reported.
5G NR: All Waveforms (CP-OFDM vs DFT-s_OFDM) and modulations ($\pi/2$ BPSK, QPSK, 16QAM, 64QAM, 256QAM) were investigated to determine the worst case configuration. All Modes of operation were investigated and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

RESULTS

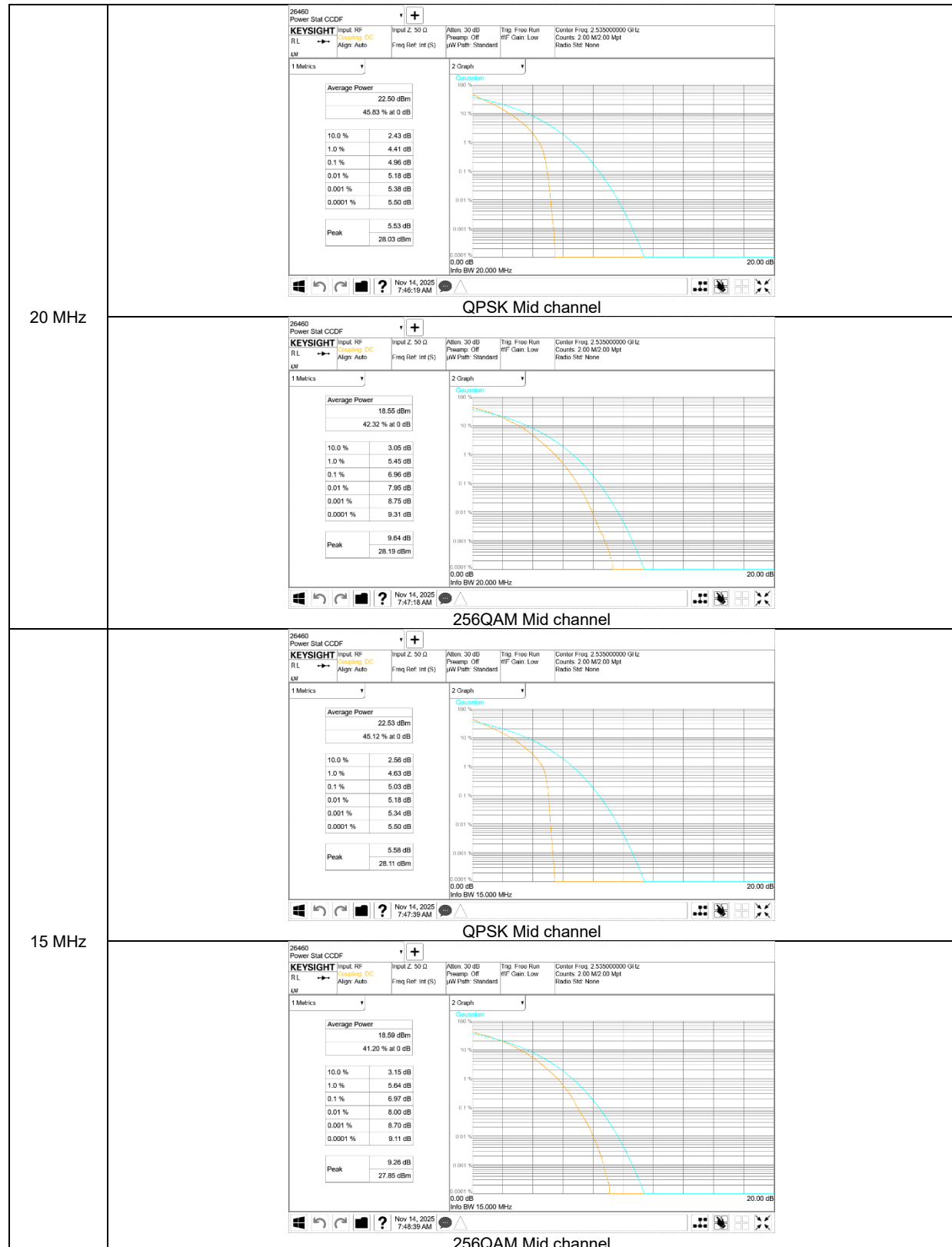
See the following pages.

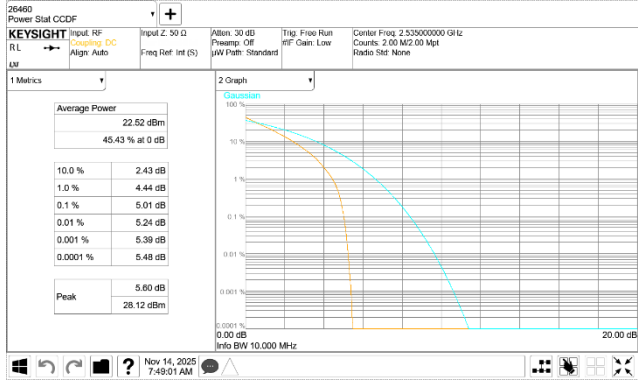
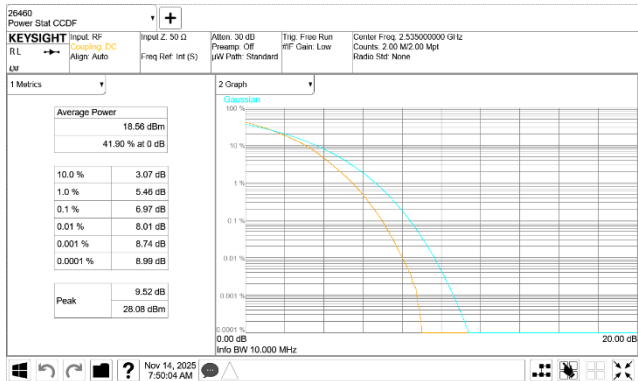
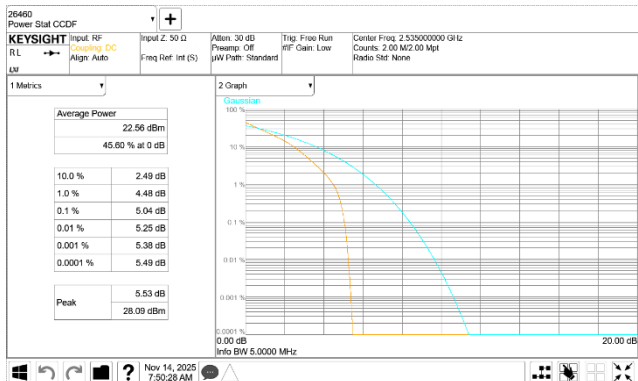
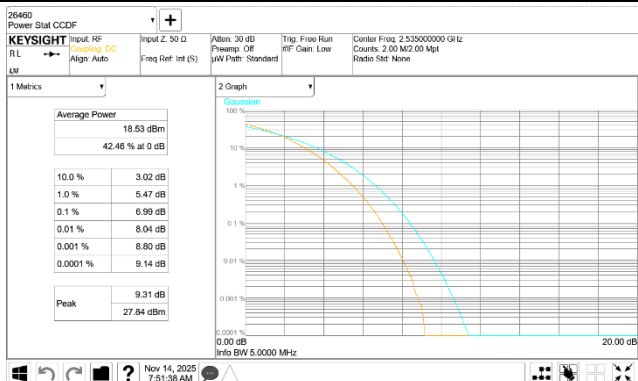
8.2.1. CONDUCTED PEAK TO AVERAGE RESULT

WCDMA (ANT B)

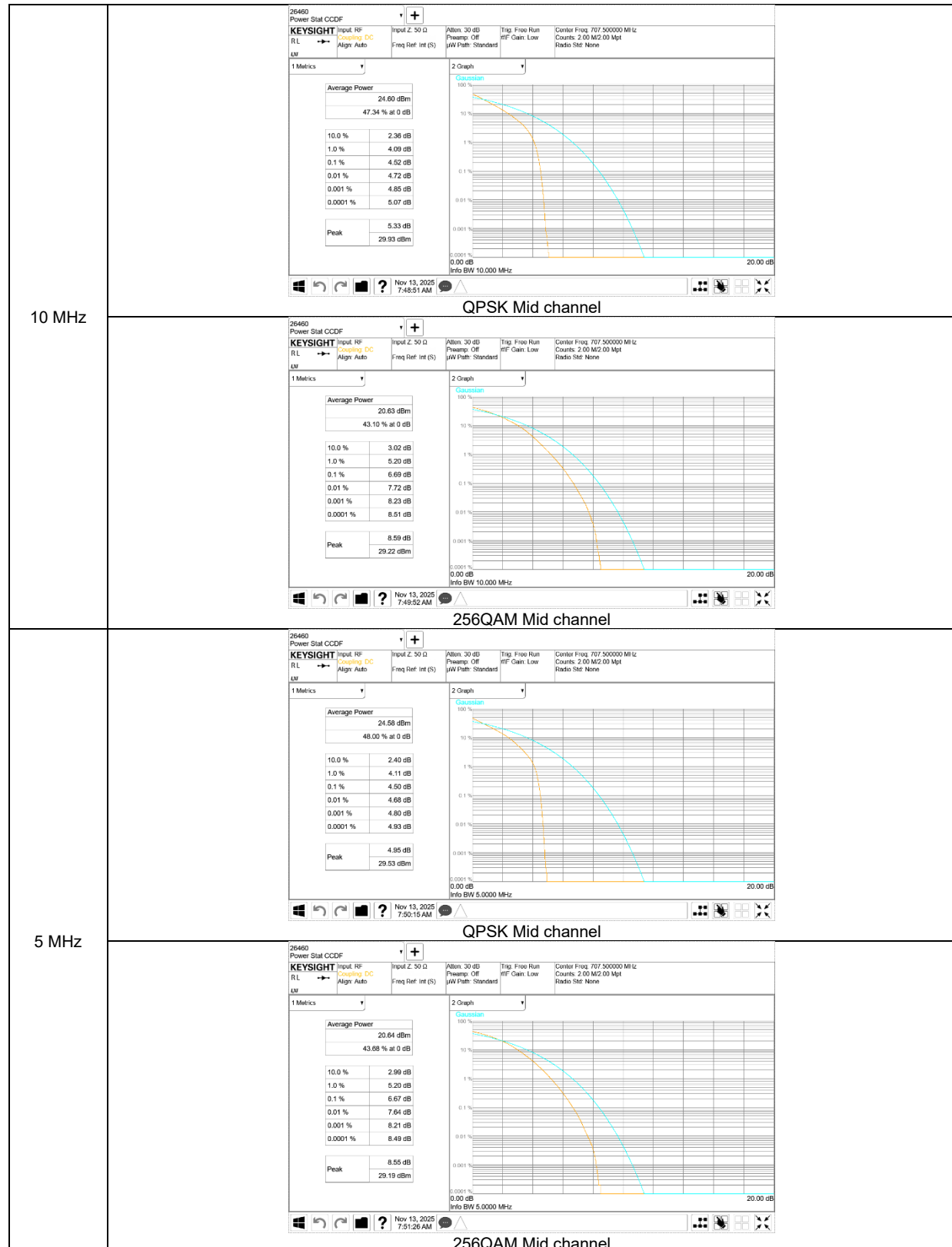


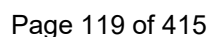
LTE Band 7 (ANT F)



10 MHz	 26460 Power Stat CCDF KEYSIGHT Input: RF Input Z: 50 Ω Freq Ref: Int (S) 1 Metrics <table border="1"> <tr><td>Average Power</td><td>22.52 dBm</td></tr> <tr><td>45.43 % at 0 dB</td><td></td></tr> <tr><td>10.0 %</td><td>2.43 dB</td></tr> <tr><td>1.0 %</td><td>4.44 dB</td></tr> <tr><td>0.1 %</td><td>5.01 dB</td></tr> <tr><td>0.01 %</td><td>5.24 dB</td></tr> <tr><td>0.001 %</td><td>5.39 dB</td></tr> <tr><td>0.0001 %</td><td>5.48 dB</td></tr> <tr><td>Peak</td><td>5.60 dB</td></tr> <tr><td></td><td>28.12 dBm</td></tr> </table> 2 Graph Gaussian 0.0001 % 0.001 % 0.01 % 0.1 % 1 % 10 % 100 % 0.00 dB 20.00 dB Info BW 10.000 MHz Nov 14, 2025 7:49:01 AM QPSK Mid channel	Average Power	22.52 dBm	45.43 % at 0 dB		10.0 %	2.43 dB	1.0 %	4.44 dB	0.1 %	5.01 dB	0.01 %	5.24 dB	0.001 %	5.39 dB	0.0001 %	5.48 dB	Peak	5.60 dB		28.12 dBm
Average Power	22.52 dBm																				
45.43 % at 0 dB																					
10.0 %	2.43 dB																				
1.0 %	4.44 dB																				
0.1 %	5.01 dB																				
0.01 %	5.24 dB																				
0.001 %	5.39 dB																				
0.0001 %	5.48 dB																				
Peak	5.60 dB																				
	28.12 dBm																				
	 26460 Power Stat CCDF KEYSIGHT Input: RF Input Z: 50 Ω Freq Ref: Int (S) 1 Metrics <table border="1"> <tr><td>Average Power</td><td>18.56 dBm</td></tr> <tr><td>41.90 % at 0 dB</td><td></td></tr> <tr><td>10.0 %</td><td>3.07 dB</td></tr> <tr><td>1.0 %</td><td>5.48 dB</td></tr> <tr><td>0.1 %</td><td>6.97 dB</td></tr> <tr><td>0.01 %</td><td>8.01 dB</td></tr> <tr><td>0.001 %</td><td>8.74 dB</td></tr> <tr><td>0.0001 %</td><td>8.99 dB</td></tr> <tr><td>Peak</td><td>9.52 dB</td></tr> <tr><td></td><td>28.08 dBm</td></tr> </table> 2 Graph Gaussian 0.0001 % 0.001 % 0.01 % 0.1 % 1 % 10 % 100 % 0.00 dB 20.00 dB Info BW 10.000 MHz Nov 14, 2025 7:50:04 AM 256QAM Mid channel	Average Power	18.56 dBm	41.90 % at 0 dB		10.0 %	3.07 dB	1.0 %	5.48 dB	0.1 %	6.97 dB	0.01 %	8.01 dB	0.001 %	8.74 dB	0.0001 %	8.99 dB	Peak	9.52 dB		28.08 dBm
Average Power	18.56 dBm																				
41.90 % at 0 dB																					
10.0 %	3.07 dB																				
1.0 %	5.48 dB																				
0.1 %	6.97 dB																				
0.01 %	8.01 dB																				
0.001 %	8.74 dB																				
0.0001 %	8.99 dB																				
Peak	9.52 dB																				
	28.08 dBm																				
5 MHz	 26460 Power Stat CCDF KEYSIGHT Input: RF Input Z: 50 Ω Freq Ref: Int (S) 1 Metrics <table border="1"> <tr><td>Average Power</td><td>22.56 dBm</td></tr> <tr><td>45.60 % at 0 dB</td><td></td></tr> <tr><td>10.0 %</td><td>2.49 dB</td></tr> <tr><td>1.0 %</td><td>4.48 dB</td></tr> <tr><td>0.1 %</td><td>5.04 dB</td></tr> <tr><td>0.01 %</td><td>5.25 dB</td></tr> <tr><td>0.001 %</td><td>5.38 dB</td></tr> <tr><td>0.0001 %</td><td>5.49 dB</td></tr> <tr><td>Peak</td><td>5.53 dB</td></tr> <tr><td></td><td>28.09 dBm</td></tr> </table> 2 Graph Gaussian 0.0001 % 0.001 % 0.01 % 0.1 % 1 % 10 % 100 % 0.00 dB 20.00 dB Info BW 5.0000 MHz Nov 14, 2025 7:50:28 AM QPSK Mid channel	Average Power	22.56 dBm	45.60 % at 0 dB		10.0 %	2.49 dB	1.0 %	4.48 dB	0.1 %	5.04 dB	0.01 %	5.25 dB	0.001 %	5.38 dB	0.0001 %	5.49 dB	Peak	5.53 dB		28.09 dBm
Average Power	22.56 dBm																				
45.60 % at 0 dB																					
10.0 %	2.49 dB																				
1.0 %	4.48 dB																				
0.1 %	5.04 dB																				
0.01 %	5.25 dB																				
0.001 %	5.38 dB																				
0.0001 %	5.49 dB																				
Peak	5.53 dB																				
	28.09 dBm																				
	 26460 Power Stat CCDF KEYSIGHT Input: RF Input Z: 50 Ω Freq Ref: Int (S) 1 Metrics <table border="1"> <tr><td>Average Power</td><td>18.53 dBm</td></tr> <tr><td>42.48 % at 0 dB</td><td></td></tr> <tr><td>10.0 %</td><td>3.02 dB</td></tr> <tr><td>1.0 %</td><td>5.47 dB</td></tr> <tr><td>0.1 %</td><td>6.99 dB</td></tr> <tr><td>0.01 %</td><td>8.04 dB</td></tr> <tr><td>0.001 %</td><td>8.80 dB</td></tr> <tr><td>0.0001 %</td><td>9.14 dB</td></tr> <tr><td>Peak</td><td>9.31 dB</td></tr> <tr><td></td><td>27.84 dBm</td></tr> </table> 2 Graph Gaussian 0.0001 % 0.001 % 0.01 % 0.1 % 1 % 10 % 100 % 0.00 dB 20.00 dB Info BW 5.0000 MHz Nov 14, 2025 7:51:38 AM 256QAM Mid channel	Average Power	18.53 dBm	42.48 % at 0 dB		10.0 %	3.02 dB	1.0 %	5.47 dB	0.1 %	6.99 dB	0.01 %	8.04 dB	0.001 %	8.80 dB	0.0001 %	9.14 dB	Peak	9.31 dB		27.84 dBm
Average Power	18.53 dBm																				
42.48 % at 0 dB																					
10.0 %	3.02 dB																				
1.0 %	5.47 dB																				
0.1 %	6.99 dB																				
0.01 %	8.04 dB																				
0.001 %	8.80 dB																				
0.0001 %	9.14 dB																				
Peak	9.31 dB																				
	27.84 dBm																				

LTE Band 12 (ANT E)





The figure displays four Keysight PowerStat CCDF plots arranged in a 4x2 grid. Each plot shows the power statistics and the Complementary Cumulative Distribution Function (CCDF) for a specific signal configuration.

Top Row (10 MHz QPSK Mid channel):

- Power Statistics:**

Metric	Value
Average Power	23.53 dBm
45.09 % at 0 dB	
10.0 %	2.52 dB
1.0 %	4.28 dB
0.1 %	4.96 dB
0.01 %	5.34 dB
0.001 %	5.63 dB
0.0001 %	5.78 dB
Peak	5.80 dB
	29.33 dBm
- CCDF Graph:** The graph shows the CCDF curve for the 10 MHz QPSK signal. The x-axis represents power in dBm, and the y-axis represents the probability of exceeding that power. The curve is labeled "Gaussian".

Second Row (256QAM Mid channel):

- Power Statistics:**

Metric	Value
Average Power	19.56 dBm
42.15 % at 0 dB	
10.0 %	3.05 dB
1.0 %	5.31 dB
0.1 %	6.75 dB
0.01 %	7.69 dB
0.001 %	8.30 dB
0.0001 %	8.55 dB
Peak	8.82 dB
	28.38 dBm
- CCDF Graph:** The graph shows the CCDF curve for the 256QAM signal. The curve is labeled "Gaussian".

Third Row (5 MHz QPSK Mid channel):

- Power Statistics:**

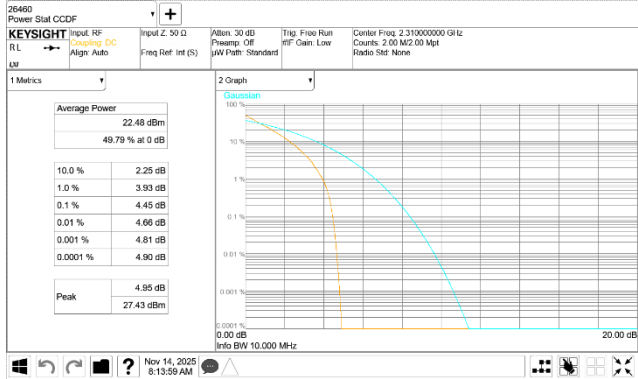
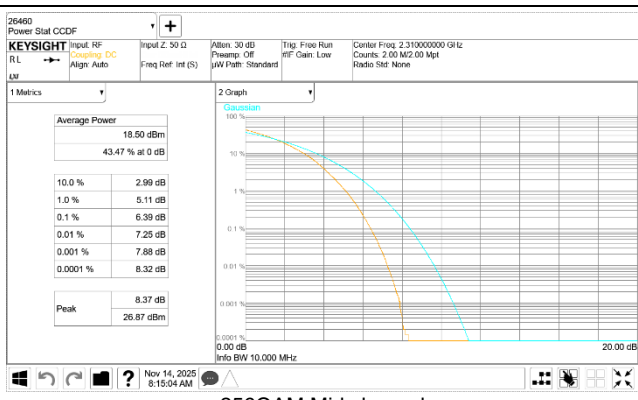
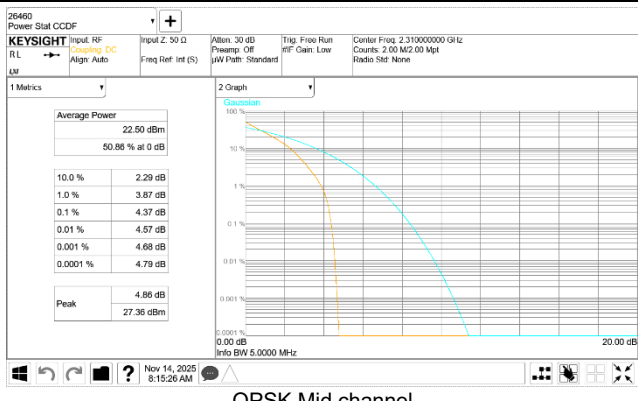
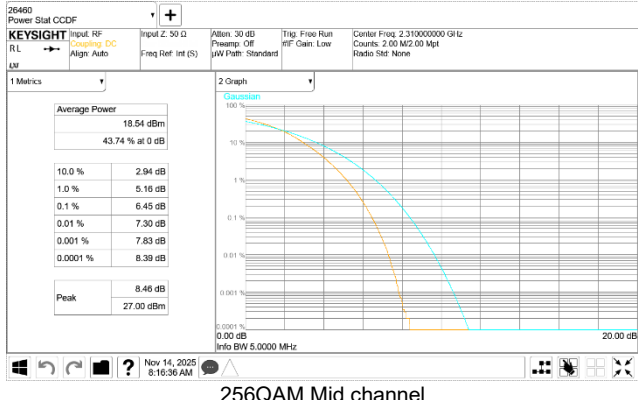
Metric	Value
Average Power	23.46 dBm
47.86 % at 0 dB	
10.0 %	2.42 dB
1.0 %	4.12 dB
0.1 %	4.53 dB
0.01 %	4.71 dB
0.001 %	4.84 dB
0.0001 %	4.96 dB
Peak	4.99 dB
	28.45 dBm
- CCDF Graph:** The graph shows the CCDF curve for the 5 MHz QPSK signal. The curve is labeled "Gaussian".

Bottom Row (5 MHz 256QAM Mid channel):

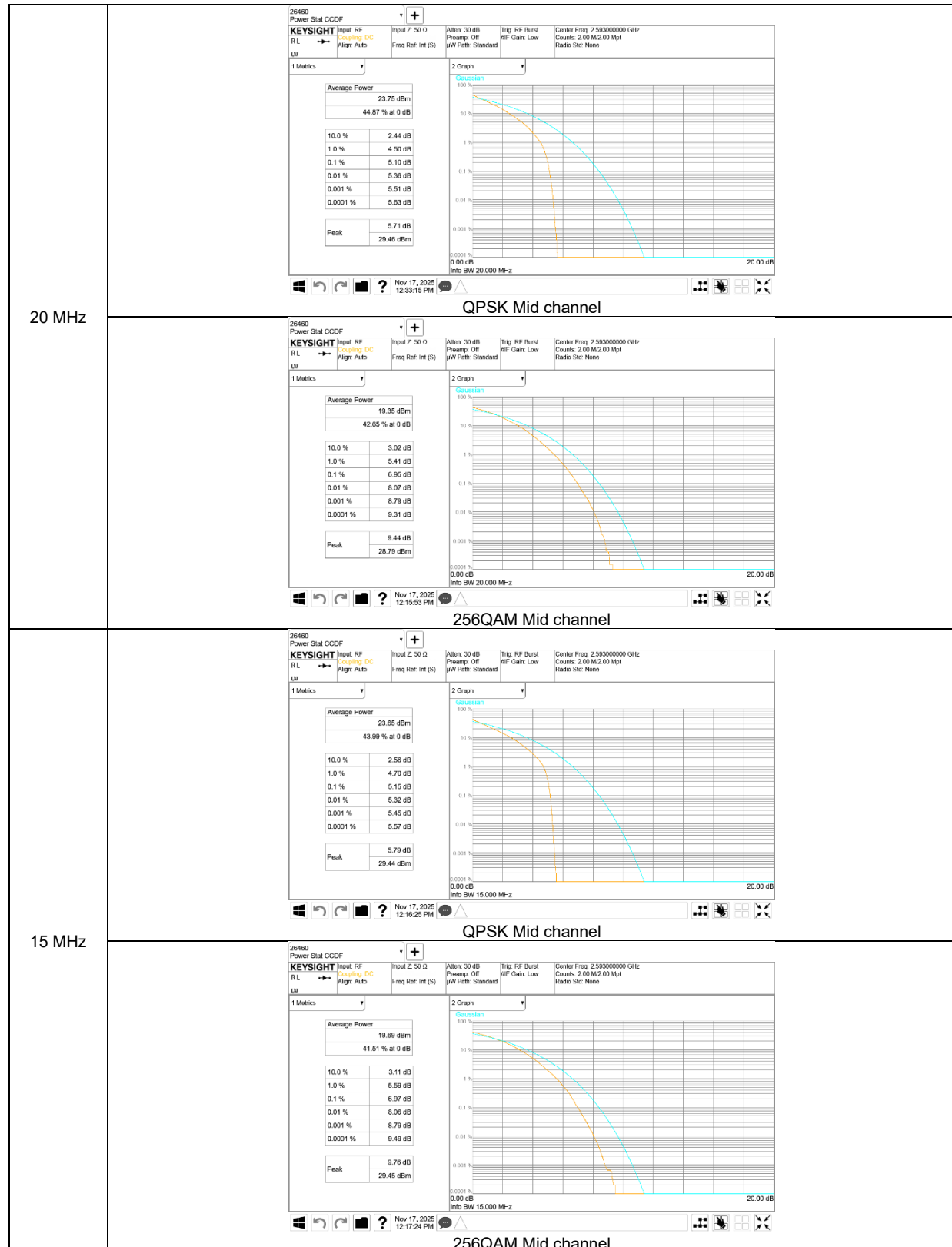
- Power Statistics:**

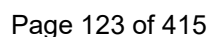
Metric	Value
Average Power	19.48 dBm
43.46 % at 0 dB	
10.0 %	2.97 dB
1.0 %	5.26 dB
0.1 %	6.76 dB
0.01 %	7.83 dB
0.001 %	8.39 dB
0.0001 %	8.64 dB
Peak	8.64 dB
	28.12 dBm
- CCDF Graph:** The graph shows the CCDF curve for the 5 MHz 256QAM signal. The curve is labeled "Gaussian".

LTE Band 30 (ANT F)

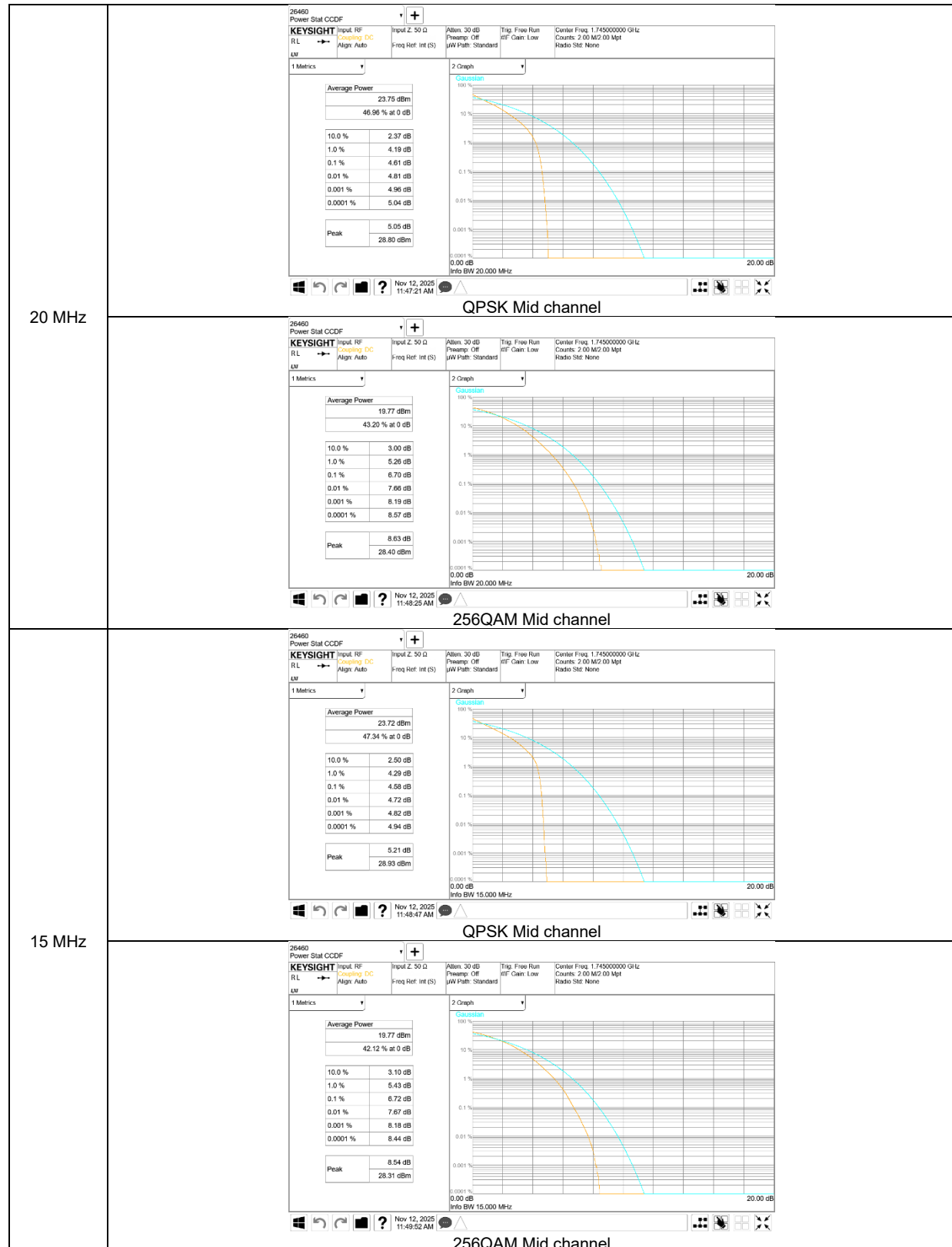
10 MHz	 26460 Power Stat CCDF KEYSIGHT Input: RF RL ☒ Coupling DC Align: Auto Input Z: 50 Ω Freq Ref: Int (S) Atten: 30 dB Preamp: Off µW Path: Standard Trig: Free Run RF Gain: Low Center Freq: 2.310000000 GHz Counts: 2.00 M2.00 Mpt Radio Star: None 1 Metrics <table><tr><td>Average Power</td><td>22.48 dBm</td></tr><tr><td colspan="2">49.79 % at 0 dB</td></tr><tr><td>10.0 %</td><td>2.25 dB</td></tr><tr><td>1.0 %</td><td>3.93 dB</td></tr><tr><td>0.1 %</td><td>4.45 dB</td></tr><tr><td>0.01 %</td><td>4.66 dB</td></tr><tr><td>0.001 %</td><td>4.81 dB</td></tr><tr><td>0.0001 %</td><td>4.90 dB</td></tr><tr><td>Peak</td><td>4.95 dB</td></tr><tr><td colspan="2">27.43 dBm</td></tr></table> 2 Graph Gaussian 0.0001 % 0.001 % 0.01 % 0.1 % 1 % 10 % 100 % 0.0001 % 0.001 % 0.01 % 0.1 % 1 % 10 % 100 % 0.00 dB 20.00 dB Info BW 10.000 MHz Nov 14, 2025 8:13:59 AM QPSK Mid channel	Average Power	22.48 dBm	49.79 % at 0 dB		10.0 %	2.25 dB	1.0 %	3.93 dB	0.1 %	4.45 dB	0.01 %	4.66 dB	0.001 %	4.81 dB	0.0001 %	4.90 dB	Peak	4.95 dB	27.43 dBm	
Average Power	22.48 dBm																				
49.79 % at 0 dB																					
10.0 %	2.25 dB																				
1.0 %	3.93 dB																				
0.1 %	4.45 dB																				
0.01 %	4.66 dB																				
0.001 %	4.81 dB																				
0.0001 %	4.90 dB																				
Peak	4.95 dB																				
27.43 dBm																					
	 26460 Power Stat CCDF KEYSIGHT Input: RF RL ☒ Coupling DC Align: Auto Input Z: 50 Ω Freq Ref: Int (S) Atten: 30 dB Preamp: Off µW Path: Standard Trig: Free Run RF Gain: Low Center Freq: 2.310000000 GHz Counts: 2.00 M2.00 Mpt Radio Star: None 1 Metrics <table><tr><td>Average Power</td><td>18.50 dBm</td></tr><tr><td colspan="2">43.47 % at 0 dB</td></tr><tr><td>10.0 %</td><td>2.99 dB</td></tr><tr><td>1.0 %</td><td>5.11 dB</td></tr><tr><td>0.1 %</td><td>6.39 dB</td></tr><tr><td>0.01 %</td><td>7.25 dB</td></tr><tr><td>0.001 %</td><td>7.88 dB</td></tr><tr><td>0.0001 %</td><td>8.32 dB</td></tr><tr><td>Peak</td><td>8.37 dB</td></tr><tr><td colspan="2">26.87 dBm</td></tr></table> 2 Graph Gaussian 0.0001 % 0.001 % 0.01 % 0.1 % 1 % 10 % 100 % 0.0001 % 0.001 % 0.01 % 0.1 % 1 % 10 % 100 % 0.00 dB 20.00 dB Info BW 10.000 MHz Nov 14, 2025 8:15:04 AM 256QAM Mid channel	Average Power	18.50 dBm	43.47 % at 0 dB		10.0 %	2.99 dB	1.0 %	5.11 dB	0.1 %	6.39 dB	0.01 %	7.25 dB	0.001 %	7.88 dB	0.0001 %	8.32 dB	Peak	8.37 dB	26.87 dBm	
Average Power	18.50 dBm																				
43.47 % at 0 dB																					
10.0 %	2.99 dB																				
1.0 %	5.11 dB																				
0.1 %	6.39 dB																				
0.01 %	7.25 dB																				
0.001 %	7.88 dB																				
0.0001 %	8.32 dB																				
Peak	8.37 dB																				
26.87 dBm																					
5 MHz	 26460 Power Stat CCDF KEYSIGHT Input: RF RL ☒ Coupling DC Align: Auto Input Z: 50 Ω Freq Ref: Int (S) Atten: 30 dB Preamp: Off µW Path: Standard Trig: Free Run RF Gain: Low Center Freq: 2.310000000 GHz Counts: 2.00 M2.00 Mpt Radio Star: None 1 Metrics <table><tr><td>Average Power</td><td>22.50 dBm</td></tr><tr><td colspan="2">50.86 % at 0 dB</td></tr><tr><td>10.0 %</td><td>2.29 dB</td></tr><tr><td>1.0 %</td><td>3.87 dB</td></tr><tr><td>0.1 %</td><td>4.37 dB</td></tr><tr><td>0.01 %</td><td>4.57 dB</td></tr><tr><td>0.001 %</td><td>4.68 dB</td></tr><tr><td>0.0001 %</td><td>4.79 dB</td></tr><tr><td>Peak</td><td>4.86 dB</td></tr><tr><td colspan="2">27.36 dBm</td></tr></table> 2 Graph Gaussian 0.0001 % 0.001 % 0.01 % 0.1 % 1 % 10 % 100 % 0.0001 % 0.001 % 0.01 % 0.1 % 1 % 10 % 100 % 0.00 dB 20.00 dB Info BW 5.0000 MHz Nov 14, 2025 8:15:26 AM QPSK Mid channel	Average Power	22.50 dBm	50.86 % at 0 dB		10.0 %	2.29 dB	1.0 %	3.87 dB	0.1 %	4.37 dB	0.01 %	4.57 dB	0.001 %	4.68 dB	0.0001 %	4.79 dB	Peak	4.86 dB	27.36 dBm	
Average Power	22.50 dBm																				
50.86 % at 0 dB																					
10.0 %	2.29 dB																				
1.0 %	3.87 dB																				
0.1 %	4.37 dB																				
0.01 %	4.57 dB																				
0.001 %	4.68 dB																				
0.0001 %	4.79 dB																				
Peak	4.86 dB																				
27.36 dBm																					
	 26460 Power Stat CCDF KEYSIGHT Input: RF RL ☒ Coupling DC Align: Auto Input Z: 50 Ω Freq Ref: Int (S) Atten: 30 dB Preamp: Off µW Path: Standard Trig: Free Run RF Gain: Low Center Freq: 2.310000000 GHz Counts: 2.00 M2.00 Mpt Radio Star: None 1 Metrics <table><tr><td>Average Power</td><td>18.54 dBm</td></tr><tr><td colspan="2">43.74 % at 0 dB</td></tr><tr><td>10.0 %</td><td>2.94 dB</td></tr><tr><td>1.0 %</td><td>5.16 dB</td></tr><tr><td>0.1 %</td><td>6.45 dB</td></tr><tr><td>0.01 %</td><td>7.30 dB</td></tr><tr><td>0.001 %</td><td>7.83 dB</td></tr><tr><td>0.0001 %</td><td>8.39 dB</td></tr><tr><td>Peak</td><td>8.46 dB</td></tr><tr><td colspan="2">27.00 dBm</td></tr></table> 2 Graph Gaussian 0.0001 % 0.001 % 0.01 % 0.1 % 1 % 10 % 100 % 0.0001 % 0.001 % 0.01 % 0.1 % 1 % 10 % 100 % 0.00 dB 20.00 dB Info BW 5.0000 MHz Nov 14, 2025 8:16:36 AM 256QAM Mid channel	Average Power	18.54 dBm	43.74 % at 0 dB		10.0 %	2.94 dB	1.0 %	5.16 dB	0.1 %	6.45 dB	0.01 %	7.30 dB	0.001 %	7.83 dB	0.0001 %	8.39 dB	Peak	8.46 dB	27.00 dBm	
Average Power	18.54 dBm																				
43.74 % at 0 dB																					
10.0 %	2.94 dB																				
1.0 %	5.16 dB																				
0.1 %	6.45 dB																				
0.01 %	7.30 dB																				
0.001 %	7.83 dB																				
0.0001 %	8.39 dB																				
Peak	8.46 dB																				
27.00 dBm																					

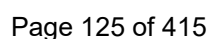
LTE Band 41 (PC3) (ANT F)

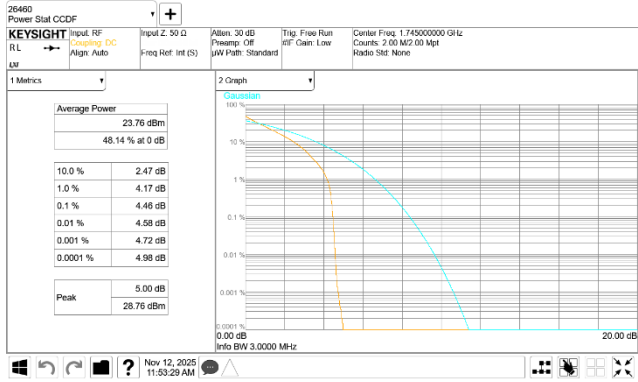
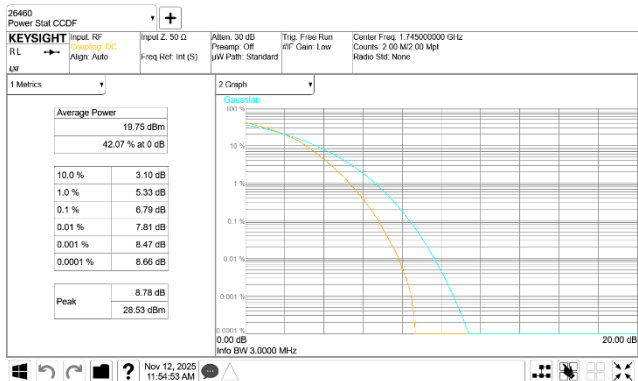
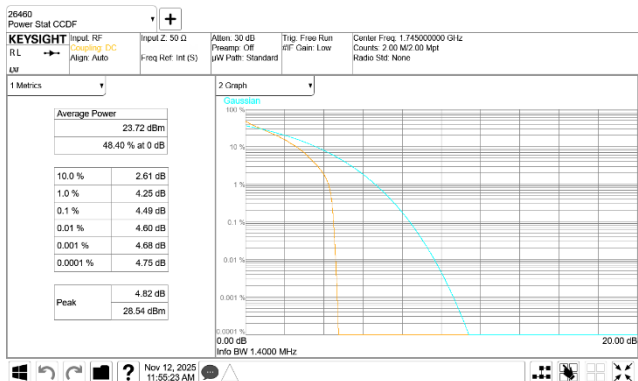
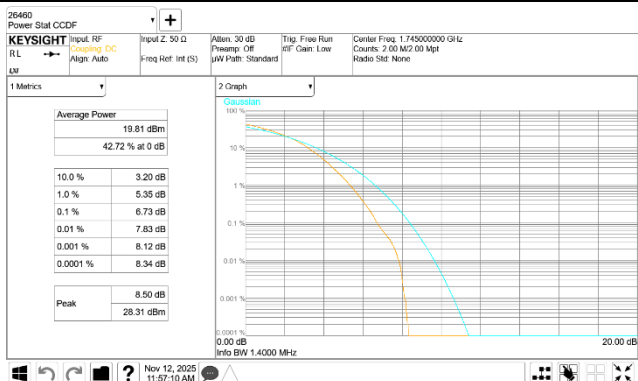




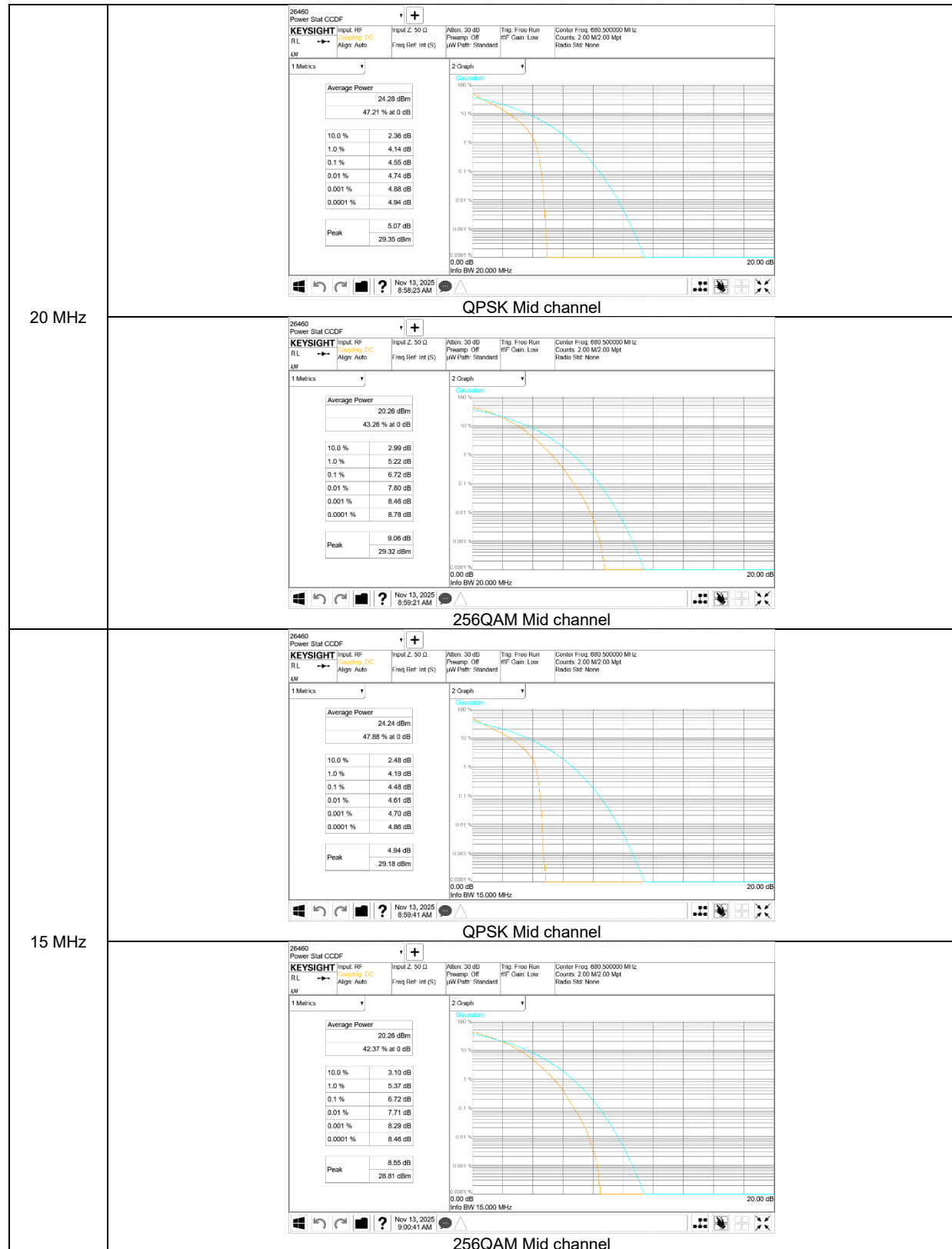
LTE Band 66 (ANT A)

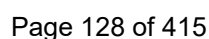




3 MHz	 26460 Power Stat CCDF KEYSIGHT Input: RF Input Z: 50 Ω Presamp: Off Trig: Free Run Center Freq: 1.745000000 GHz RL → Align: Auto Freq Ref: Int (S) μW Path: Standard Counts: 2.00 Mpt Radio Stk: None 1 Metrics Average Power: 23.76 dBm 48.14 % at 0 dB <table border="1"> <tr><td>10.0 %</td><td>2.47 dB</td></tr> <tr><td>1.0 %</td><td>4.17 dB</td></tr> <tr><td>0.1 %</td><td>4.46 dB</td></tr> <tr><td>0.01 %</td><td>4.58 dB</td></tr> <tr><td>0.001 %</td><td>4.72 dB</td></tr> <tr><td>0.0001 %</td><td>4.98 dB</td></tr> </table> Peak: 5.00 dB 28.76 dBm 2 Graph 0.0001 % 0.001 % 0.01 % 0.1 % 1 % 10 % 100 % 0.00 dB 20.00 dB Info BW 3.0000 MHz Nov 12, 2025 11:53:29 AM QPSK Mid channel	10.0 %	2.47 dB	1.0 %	4.17 dB	0.1 %	4.46 dB	0.01 %	4.58 dB	0.001 %	4.72 dB	0.0001 %	4.98 dB
10.0 %	2.47 dB												
1.0 %	4.17 dB												
0.1 %	4.46 dB												
0.01 %	4.58 dB												
0.001 %	4.72 dB												
0.0001 %	4.98 dB												
	 26460 Power Stat CCDF KEYSIGHT Input: RF Input Z: 50 Ω Presamp: Off Trig: Free Run Center Freq: 1.745000000 GHz RL → Align: Auto Freq Ref: Int (S) μW Path: Standard Counts: 2.00 Mpt Radio Stk: None 1 Metrics Average Power: 19.75 dBm 42.07 % at 0 dB <table border="1"> <tr><td>10.0 %</td><td>3.10 dB</td></tr> <tr><td>1.0 %</td><td>5.33 dB</td></tr> <tr><td>0.1 %</td><td>6.79 dB</td></tr> <tr><td>0.01 %</td><td>7.81 dB</td></tr> <tr><td>0.001 %</td><td>8.47 dB</td></tr> <tr><td>0.0001 %</td><td>8.66 dB</td></tr> </table> Peak: 8.76 dB 28.53 dBm 2 Graph 0.0001 % 0.001 % 0.01 % 0.1 % 1 % 10 % 100 % 0.00 dB 20.00 dB Info BW 3.0000 MHz Nov 12, 2025 11:54:53 AM 256QAM Mid channel	10.0 %	3.10 dB	1.0 %	5.33 dB	0.1 %	6.79 dB	0.01 %	7.81 dB	0.001 %	8.47 dB	0.0001 %	8.66 dB
10.0 %	3.10 dB												
1.0 %	5.33 dB												
0.1 %	6.79 dB												
0.01 %	7.81 dB												
0.001 %	8.47 dB												
0.0001 %	8.66 dB												
1.4 MHz	 26460 Power Stat CCDF KEYSIGHT Input: RF Input Z: 50 Ω Presamp: Off Trig: Free Run Center Freq: 1.745000000 GHz RL → Align: Auto Freq Ref: Int (S) μW Path: Standard Counts: 2.00 Mpt Radio Stk: None 1 Metrics Average Power: 23.72 dBm 48.40 % at 0 dB <table border="1"> <tr><td>10.0 %</td><td>2.61 dB</td></tr> <tr><td>1.0 %</td><td>4.25 dB</td></tr> <tr><td>0.1 %</td><td>4.49 dB</td></tr> <tr><td>0.01 %</td><td>4.60 dB</td></tr> <tr><td>0.001 %</td><td>4.68 dB</td></tr> <tr><td>0.0001 %</td><td>4.75 dB</td></tr> </table> Peak: 4.82 dB 28.54 dBm 2 Graph 0.0001 % 0.001 % 0.01 % 0.1 % 1 % 10 % 100 % 0.00 dB 20.00 dB Info BW 1.4000 MHz Nov 12, 2025 11:55:23 AM QPSK Mid channel	10.0 %	2.61 dB	1.0 %	4.25 dB	0.1 %	4.49 dB	0.01 %	4.60 dB	0.001 %	4.68 dB	0.0001 %	4.75 dB
10.0 %	2.61 dB												
1.0 %	4.25 dB												
0.1 %	4.49 dB												
0.01 %	4.60 dB												
0.001 %	4.68 dB												
0.0001 %	4.75 dB												
	 26460 Power Stat CCDF KEYSIGHT Input: RF Input Z: 50 Ω Presamp: Off Trig: Free Run Center Freq: 1.745000000 GHz RL → Align: Auto Freq Ref: Int (S) μW Path: Standard Counts: 2.00 Mpt Radio Stk: None 1 Metrics Average Power: 19.81 dBm 42.72 % at 0 dB <table border="1"> <tr><td>10.0 %</td><td>3.20 dB</td></tr> <tr><td>1.0 %</td><td>5.35 dB</td></tr> <tr><td>0.1 %</td><td>6.73 dB</td></tr> <tr><td>0.01 %</td><td>7.83 dB</td></tr> <tr><td>0.001 %</td><td>8.12 dB</td></tr> <tr><td>0.0001 %</td><td>8.34 dB</td></tr> </table> Peak: 8.50 dB 28.31 dBm 2 Graph 0.0001 % 0.001 % 0.01 % 0.1 % 1 % 10 % 100 % 0.00 dB 20.00 dB Info BW 1.4000 MHz Nov 12, 2025 11:57:10 AM 256QAM Mid channel	10.0 %	3.20 dB	1.0 %	5.35 dB	0.1 %	6.73 dB	0.01 %	7.83 dB	0.001 %	8.12 dB	0.0001 %	8.34 dB
10.0 %	3.20 dB												
1.0 %	5.35 dB												
0.1 %	6.73 dB												
0.01 %	7.83 dB												
0.001 %	8.12 dB												
0.0001 %	8.34 dB												

LTE Band 71 (ANT E)



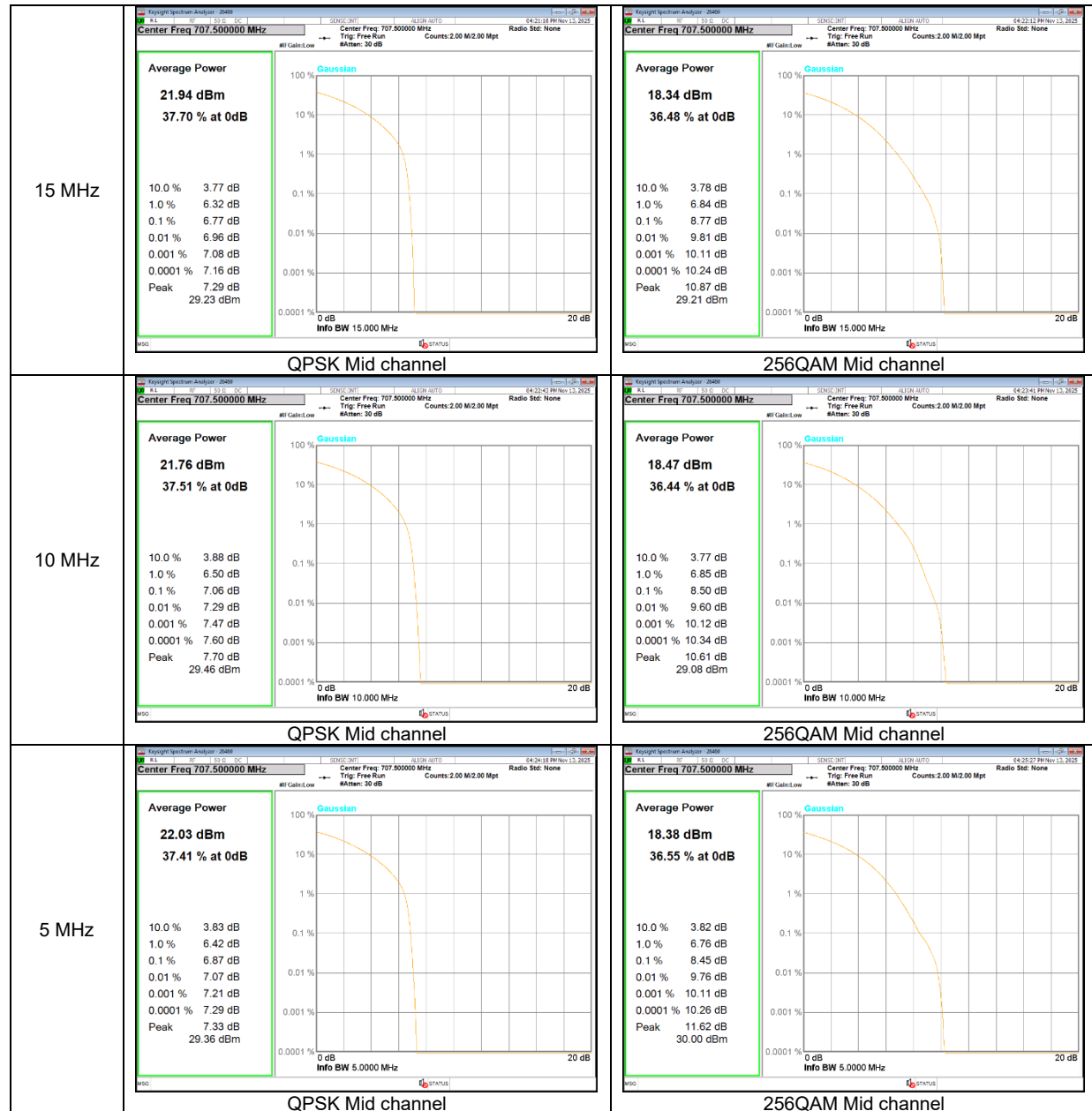


NR Band n7 CP-OFDM (ANT F)

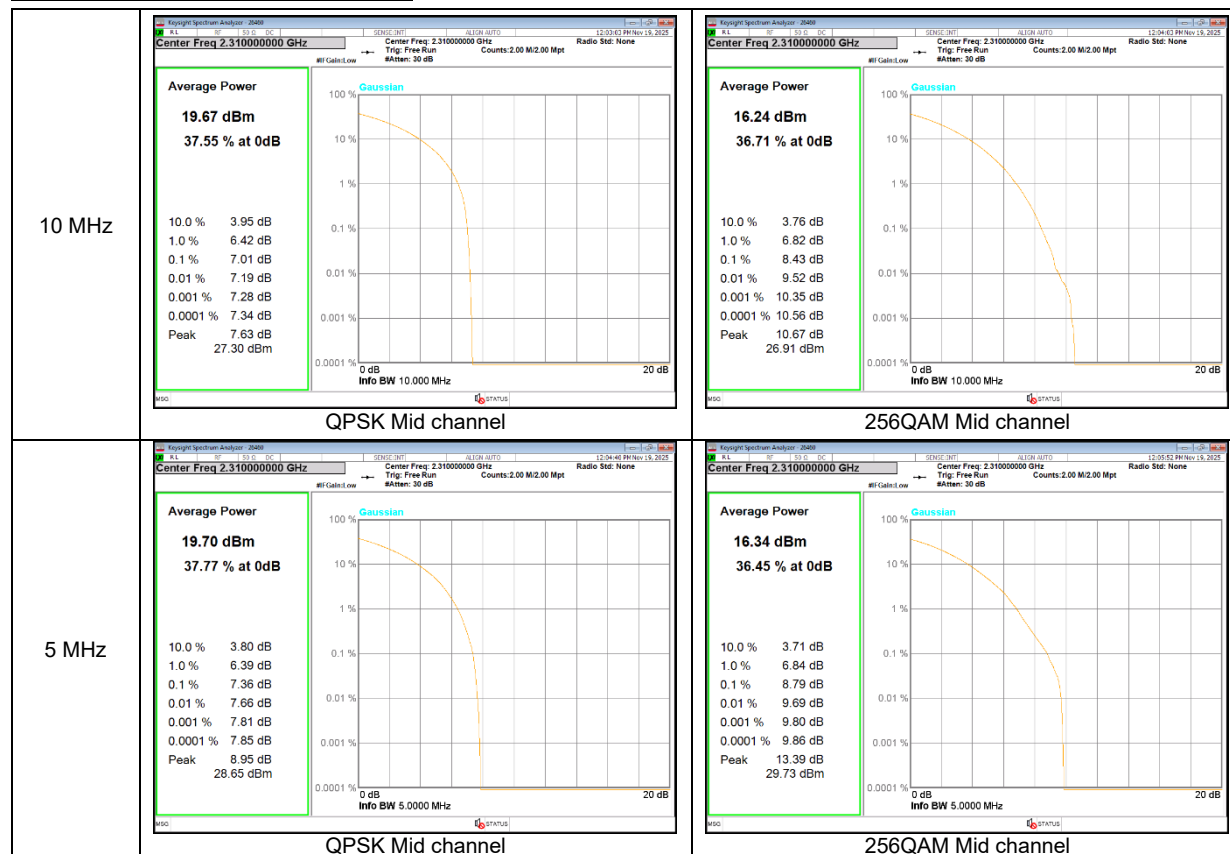




NR Band n12 CP-OFDM (ANT E)



NR Band n30 CP-OFDM (ANT F)



NR Band n41 CP-OFDM (ANT B)

