

CERTIFICATION TEST REPORT

Report Number. : S-4792147575-E4V2

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

Model : SM-F971U, SM-F971U1

FCC ID : A3LSMF971U

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

Rev.	Issue Date	Revisions	Revised By
V1	2026-04-17	Initial issue	Yeonghwan Hong
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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-F971U, SM-F971U1

SERIAL NUMBER: 9ac255adee507ece, 9ac30a91404d7ece, 9ac30a91824d7ece, 9ac30a90044d7ece, 9bc22e08ee4f7ece, 9bb3df7c2c4f7ece (CONDUCTED); R3GL10KMCMT, R3GL20D3TMF, R3GL20D3TNY, R3GL20D3P4X, R3GL10KMF3N (RADIATED)

DATE TESTED: 2026-02-24 – 2026-04-17

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:

Tested By:



Seokhwan Hong
Suwon Lab Engineer
UL KOREA LTD.

Yeonghwan Hong
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

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	3.78 dB
Radiated Disturbance, 1 GHz to 18 GHz	5.25 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.

Representative model	Comparison Criteria	Derivative model
		SM-F971U1
SM-F971U	Hardware	Identical
	Software	UI modified according to Service Provider specifications

The SM-F971U model was used as the representative model for final testing. All test results in this report apply to both the representative model and its derivative variants.

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	Frequency Range	Modulation	Conducted Power (ANT F)		EIRP (ANT F)	
	[MHz]		Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
Band 4	1712.40 - 1752.60	Rel. 99	23.77	0.238	26.20	0.417
		HSDPA	22.65	0.184	24.76	0.299

LTE Band 7

FCC Part 27							
Band	Frequency Range [MHz]	BandWidth	Modulation	Conducted Power (ANT B)		EIRP (ANT B)	
		[MHz]		Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
Band 7	2510.00 - 2560.00	20	QPSK	24.85	0.305	24.73	0.297
			16QAM	23.94	0.248	23.94	0.248
			64QAM	22.99	0.199		
			256QAM	19.98	0.100		
	2507.50 - 2562.50	15	QPSK	24.69	0.294	24.41	0.276
			16QAM	23.86	0.243	23.72	0.236
			64QAM	22.86	0.193		
			256QAM	19.93	0.098		
	2505.00 - 2565.00	10	QPSK	24.69	0.294	24.49	0.281
			16QAM	23.89	0.245	23.83	0.242
			64QAM	22.92	0.196		
			256QAM	19.93	0.098		
	2502.50 - 2567.50	5	QPSK	24.68	0.294	24.60	0.288
			16QAM	23.87	0.244	23.87	0.244
			64QAM	22.95	0.197		
			256QAM	19.88	0.097		
FCC Part 27							
Band	Frequency Range [MHz]	BandWidth	Modulation	Conducted Power (ANT F)		EIRP (ANT F)	
		[MHz]		Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
Band 7	2510.00 - 2560.00	20	QPSK	24.17	0.261	23.96	0.249
			16QAM	23.42	0.220	23.29	0.213
			64QAM	22.42	0.175		
			256QAM	19.41	0.087		
	2507.50 - 2562.50	15	QPSK	24.16	0.261	24.01	0.252
			16QAM	23.46	0.222	23.45	0.221
			64QAM	22.33	0.171		
			256QAM	19.28	0.085		
	2505.00 - 2565.00	10	QPSK	24.12	0.258	23.92	0.247
			16QAM	23.43	0.220	23.43	0.220
			64QAM	22.39	0.173		
			256QAM	19.39	0.087		
	2502.50 - 2567.50	5	QPSK	24.20	0.263	24.05	0.254
			16QAM	23.66	0.232	23.59	0.229
			64QAM	22.48	0.177		
			256QAM	19.40	0.087		

LTE Band 12

FCC Part 27									
Band	Frequency Range	BandWidth	Modulation	Conducted Power (ANT A)		ERP (ANT A)		ERP (ANT A+B)	
	[MHz]	[MHz]		Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
Band 12	704.00 - 711.00	10	QPSK	24.95	0.313	15.46	0.035	19.79	0.095
			16QAM	23.73	0.236	14.55	0.029	18.73	0.075
			64QAM	22.95	0.197				
			256QAM	19.83	0.096				
	701.50 - 713.50	5	QPSK	24.68	0.294	15.10	0.032	19.98	0.100
			16QAM	23.96	0.249	14.63	0.029	18.97	0.079
			64QAM	23.01	0.200				
			256QAM	19.82	0.096				
	700.50 - 714.50	3	QPSK	24.60	0.288	15.11	0.032	19.76	0.095
			16QAM	23.89	0.245	14.47	0.028	18.75	0.075
			64QAM	22.98	0.199				
			256QAM	20.19	0.104				
	699.70 - 715.30	1.4	QPSK	24.48	0.281	14.99	0.032	19.63	0.092
			16QAM	23.91	0.246	14.73	0.030	18.73	0.075
			64QAM	22.97	0.198				
			256QAM	19.90	0.098				
FCC Part 27									
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted Power (ANT D)		ERP (ANT D)			
				Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]		
Band 12	704.00 - 711.00	10	QPSK	24.89	0.308	17.25	0.053		
			16QAM	23.97	0.249	16.36	0.043		
			64QAM	22.89	0.195				
			256QAM	19.97	0.099				
	701.50 - 713.50	5	QPSK	24.87	0.307	17.15	0.052		
			16QAM	23.87	0.244	16.26	0.042		
			64QAM	22.93	0.196				
			256QAM	19.93	0.098				
	700.50 - 714.50	3	QPSK	24.94	0.312	17.12	0.052		
			16QAM	23.98	0.250	16.37	0.043		
			64QAM	22.89	0.195				
			256QAM	19.95	0.099				
	699.70 - 715.30	1.4	QPSK	24.86	0.306	17.14	0.052		
			16QAM	23.85	0.243	16.15	0.041		
			64QAM	22.98	0.199				
			256QAM	19.98	0.100				

LTE Band 13

FCC Part 27									
Band	Frequency Range	BandWidth	Modulation	Conducted Power (ANT A)		ERP (ANT A)		ERP (ANT A+B)	
	[MHz]	[MHz]		Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
Band 13	782.00	10	QPSK	24.73	0.297	17.79	0.060	20.98	0.125
			16QAM	23.89	0.245	17.08	0.051	20.14	0.103
			64QAM	23.30	0.214				
			256QAM	20.12	0.103				
	779.50 - 784.50	5	QPSK	24.99	0.316	18.02	0.063	21.61	0.145
			16QAM	23.97	0.249	17.11	0.051	20.72	0.118
			64QAM	23.10	0.204				
			256QAM	20.17	0.104				
FCC Part 27									
Band	Frequency Range	BandWidth	Modulation	Conducted Power (ANT D)		ERP (ANT D)			
	[MHz]	[MHz]		Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]		
Band 13	782.00	10	QPSK	23.65	0.232	18.80	0.076		
			16QAM	22.76	0.189	18.19	0.066		
			64QAM	21.81	0.152				
			256QAM	19.05	0.080				
	779.50 - 784.50	5	QPSK	23.75	0.237	18.74	0.075		
			16QAM	23.13	0.206	18.04	0.064		
			64QAM	22.31	0.170				
			256QAM	19.13	0.082				

LTE Band 30

FCC Part 27							
Band	Frequency Range [MHz]	BandWidth	Modulation	Conducted Power (ANT B)		EIRP (ANT B)	
		[MHz]		Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
Band 30	2310.00	10	QPSK	24.11	0.258	21.41	0.138
			16QAM	23.16	0.207	20.44	0.111
			64QAM	22.47	0.177		
			256QAM	19.47	0.089		
	2307.50 - 2312.50	5	QPSK	23.97	0.249	22.05	0.160
			16QAM	22.92	0.196	20.65	0.116
			64QAM	22.24	0.167		
			256QAM	18.97	0.079		
FCC Part 27							
Band	Frequency Range [MHz]	BandWidth	Modulation	Conducted Power (ANT F)		EIRP (ANT F)	
		[MHz]		Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
Band 30	2310.00	10	QPSK	24.07	0.255	20.29	0.107
			16QAM	23.34	0.216	19.22	0.084
			64QAM	22.24	0.167		
			256QAM	19.23	0.084		
	2307.50 - 2312.50	5	QPSK	23.75	0.237	20.56	0.114
			16QAM	23.20	0.209	19.34	0.086
			64QAM	22.07	0.161		
			256QAM	18.86	0.077		

LTE Band 41 (PC3)

FCC Part 27							
Band	Frequency Range [MHz]	BandWidth	Modulation	Conducted Power (ANT B)		EIRP (ANT B)	
		[MHz]		Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
Band 41	2506.00 - 2680.00	20	QPSK	24.54	0.284	25.61	0.364
			16QAM	23.74	0.237	25.04	0.319
			64QAM	22.71	0.187		
			256QAM	19.84	0.096		
	2503.50 - 2682.50	15	QPSK	24.53	0.284	25.52	0.356
			16QAM	23.60	0.229	24.95	0.313
			64QAM	22.89	0.195		
			256QAM	19.58	0.091		
	2501.00 - 2685.00	10	QPSK	24.34	0.272	25.59	0.362
			16QAM	23.69	0.234	25.08	0.322
			64QAM	22.85	0.193		
			256QAM	19.68	0.093		
	2498.50 - 2687.50	5	QPSK	24.36	0.273	25.59	0.362
			16QAM	23.73	0.236	24.86	0.306
			64QAM	22.74	0.188		
			256QAM	19.69	0.093		
FCC Part 27							
Band	Frequency Range [MHz]	BandWidth	Modulation	Conducted Power (ANT F)		EIRP (ANT F)	
		[MHz]		Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
Band 41	2506.00 - 2680.00	20	QPSK	24.62	0.290	25.69	0.371
			16QAM	23.87	0.244	25.38	0.345
			64QAM	22.89	0.195		
			256QAM	19.90	0.098		
	2503.50 - 2682.50	15	QPSK	24.55	0.285	25.41	0.348
			16QAM	23.73	0.236	25.47	0.352
			64QAM	22.86	0.193		
			256QAM	19.76	0.095		
	2501.00 - 2685.00	10	QPSK	24.41	0.276	25.55	0.359
			16QAM	23.74	0.237	25.47	0.352
			64QAM	22.93	0.196		
			256QAM	19.72	0.094		
	2498.50 - 2687.50	5	QPSK	24.58	0.287	25.65	0.367
			16QAM	23.73	0.236	25.32	0.340
			64QAM	22.76	0.189		
			256QAM	19.90	0.098		

LTE Band 66

FCC Part 27							
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted Power (ANT B)		EIRP (ANT B)	
				Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
Band 66	1720.00 - 1770.00	20	QPSK	24.43	0.277	25.23	0.333
			16QAM	23.38	0.218	24.59	0.288
			64QAM	22.82	0.191		
			256QAM	19.45	0.088		
	1717.50 - 1772.50	15	QPSK	24.49	0.281	25.43	0.349
			16QAM	23.61	0.230	24.88	0.308
			64QAM	22.60	0.182		
			256QAM	19.50	0.089		
	1715.00 - 1775.00	10	QPSK	24.44	0.278	25.49	0.354
			16QAM	23.40	0.219	24.82	0.303
			64QAM	22.42	0.175		
			256QAM	19.47	0.089		
	1712.50 - 1777.50	5	QPSK	24.29	0.269	25.34	0.342
			16QAM	23.48	0.223	24.90	0.309
			64QAM	22.58	0.181		
			256QAM	19.44	0.088		
	1711.50 - 1778.50	3	QPSK	24.27	0.267	25.26	0.336
			16QAM	23.34	0.216	24.76	0.299
			64QAM	22.63	0.183		
			256QAM	19.42	0.087		
	1710.70 - 1779.30	1.4	QPSK	24.24	0.265	25.12	0.325
			16QAM	23.48	0.223	24.90	0.309
			64QAM	22.63	0.183		
			256QAM	19.38	0.087		
FCC Part 27							
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted Power (ANT F)		EIRP (ANT F)	
				Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
Band 66	1720.00 - 1770.00	20	QPSK	24.73	0.297	27.26	0.532
			16QAM	23.68	0.233	26.70	0.468
			64QAM	22.88	0.194		
			256QAM	19.75	0.094		
	1717.50 - 1772.50	15	QPSK	24.79	0.301	27.32	0.540
			16QAM	23.91	0.246	26.99	0.500
			64QAM	22.90	0.195		
			256QAM	19.80	0.095		
	1715.00 - 1775.00	10	QPSK	24.74	0.298	27.13	0.516
			16QAM	23.70	0.234	26.93	0.493
			64QAM	22.72	0.187		
			256QAM	19.77	0.095		
	1712.50 - 1777.50	5	QPSK	24.59	0.288	27.03	0.505
			16QAM	23.78	0.239	27.01	0.502
			64QAM	22.88	0.194		
			256QAM	19.74	0.094		
	1711.50 - 1778.50	3	QPSK	24.57	0.286	27.10	0.513
			16QAM	23.64	0.231	26.87	0.486
			64QAM	22.93	0.196		
			256QAM	19.72	0.094		
	1710.70 - 1779.30	1.4	QPSK	24.54	0.284	27.07	0.509
			16QAM	23.78	0.239	27.01	0.502
			64QAM	22.93	0.196		
			256QAM	19.68	0.093		

LTE Band 71

FCC Part 27									
Band	Frequency Range	BandWidth	Modulation	Conducted Power (ANT A)		ERP (ANT A)		ERP (ANT A+B)	
	[MHz]	[MHz]		Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
Band 71	673.00 - 688.00	20	QPSK	24.63	0.290	14.22	0.026	18.72	0.074
			16QAM	23.78	0.239	13.34	0.022	17.72	0.059
			64QAM	23.12	0.205				
			256QAM	19.78	0.095				
	670.50 - 690.50	15	QPSK	24.66	0.292	14.31	0.027	18.81	0.076
			16QAM	23.94	0.248	13.43	0.022	18.00	0.063
			64QAM	23.02	0.200				
			256QAM	19.57	0.091				
	668.00 - 693.00	10	QPSK	24.65	0.292	14.32	0.027	18.82	0.076
			16QAM	23.94	0.248	13.35	0.022	18.00	0.063
			64QAM	22.96	0.198				
			256QAM	19.70	0.093				
	665.50 - 695.50	5	QPSK	24.47	0.280	14.34	0.027	18.84	0.077
			16QAM	23.88	0.244	13.44	0.022	17.82	0.061
			64QAM	23.17	0.207				
			256QAM	19.90	0.098				
FCC Part 27									
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Conducted Power (ANT D)		ERP (ANT D)			
				Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]		
Band 71	673.00 - 688.00	20	QPSK	24.29	0.269	15.72	0.037		
			16QAM	23.51	0.224	14.85	0.031		
			64QAM	22.53	0.179				
			256QAM	19.72	0.094				
	670.50 - 690.50	15	QPSK	24.28	0.268	15.81	0.038		
			16QAM	23.49	0.223	14.84	0.030		
			64QAM	22.61	0.182				
			256QAM	19.58	0.091				
	668.00 - 693.00	10	QPSK	24.43	0.277	16.02	0.040		
			16QAM	23.44	0.221	14.78	0.030		
			64QAM	22.45	0.176				
			256QAM	19.73	0.094				
	665.50 - 695.50	5	QPSK	24.34	0.272	15.93	0.039		
			16QAM	23.59	0.229	14.67	0.029		
			64QAM	22.71	0.187				
			256QAM	19.80	0.095				

NR Band n7

FCC Part 27								
Band	Frequency Range [MHz]	BandWidth	Modulation	Mode	Conducted Power (ANT B)		EIRP (ANT B)	
		[MHz]			Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
n7	2525.00 - 2545.00	50	DFT-s OFDM	π/2 BPSK	24.29	0.269		
				QPSK	24.36	0.273	24.53	0.284
				16QAM	23.31	0.214	23.79	0.239
				64QAM	21.86	0.153		
			256QAM	19.18	0.083			
			CP-OFDM	QPSK	22.88	0.194		
				16QAM	22.34	0.171		
				64QAM	20.70	0.117		
	256QAM	17.96		0.063				
	2520.00 - 2550.00	40	DFT-s OFDM	π/2 BPSK	24.15	0.260		
				QPSK	24.08	0.256	24.36	0.273
				16QAM	22.98	0.199	23.54	0.226
				64QAM	21.66	0.147		
			256QAM	19.10	0.081			
			CP-OFDM	QPSK	22.65	0.184		
			2517.50 - 2552.50	35	DFT-s OFDM	π/2 BPSK	24.11	0.258
	QPSK	24.07				0.255	24.33	0.271
	16QAM	22.96				0.198	23.58	0.228
	64QAM	21.66				0.147		
	256QAM	19.05			0.080			
	CP-OFDM	QPSK			22.65	0.184		
	2515.00 - 2555.00	30			DFT-s OFDM	π/2 BPSK	24.07	0.255
			QPSK	24.08		0.256	24.21	0.264
			16QAM	23.02		0.200	23.46	0.222
			64QAM	21.65		0.146		
			256QAM	19.02	0.080			
			CP-OFDM	QPSK	22.65	0.184		
			2512.50 - 2557.50	25	DFT-s OFDM	π/2 BPSK	24.14	0.259
	QPSK	24.18				0.262	24.32	0.270
	16QAM	23.11				0.205	23.50	0.224
	64QAM	21.71				0.148		
	256QAM	19.14			0.082			
	CP-OFDM	QPSK			22.70	0.186		
	2510.00 - 2560.00	20			DFT-s OFDM	π/2 BPSK	24.06	0.255
			QPSK	24.11		0.258	24.18	0.262
			16QAM	22.95		0.197	23.40	0.219
			64QAM	21.72		0.149		
			256QAM	18.98	0.079			
			CP-OFDM	QPSK	22.67	0.185		
			2507.50 - 2562.50	15	DFT-s OFDM	π/2 BPSK	24.01	0.252
	QPSK	24.11				0.258	24.29	0.269
	16QAM	23.02				0.200	23.44	0.221
	64QAM	21.79				0.151		
	256QAM	19.11			0.081			
	CP-OFDM	QPSK			22.66	0.185		
	2505.00 - 2565.00	10			DFT-s OFDM	π/2 BPSK	24.12	0.258
			QPSK	24.11		0.258	24.16	0.261
			16QAM	22.95		0.197	23.39	0.218
			64QAM	21.68		0.147		
			256QAM	19.00	0.079			
			CP-OFDM	QPSK	22.72	0.187		
2502.50 - 2567.50			5	DFT-s OFDM	π/2 BPSK	24.20	0.263	
	QPSK	24.23			0.265	24.22	0.264	
	16QAM	23.07			0.203	23.40	0.219	
	64QAM	21.74			0.149			
	256QAM	19.01		0.080				
	CP-OFDM	QPSK		22.65	0.184			

FCC Part 27										
Band	Frequency Range [MHz]	BandWidth	Modulation	Mode	Conducted Power (ANT F)		EIRP (ANT F)			
		[MHz]			Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]		
n7	2525.00 - 2545.00	50	DFT-s OFDM	π/2 BPSK	24.16	0.261				
				QPSK	24.09	0.256	23.76	0.238		
				16QAM	23.02	0.200	23.05	0.202		
				64QAM	21.77	0.150				
				256QAM	19.78	0.095				
			CP-OFDM	QPSK	22.20	0.166				
				16QAM	21.43	0.139				
				64QAM	19.90	0.098				
				256QAM	17.16	0.052				
				2520.00 - 2550.00	40	DFT-s OFDM	π/2 BPSK	23.95	0.248	
	QPSK	23.98	0.250				23.65	0.232		
	16QAM	22.88	0.194				22.89	0.195		
	64QAM	21.58	0.144							
	256QAM	18.97	0.079							
	CP-OFDM	QPSK	22.56			0.180				
	2517.50 - 2552.50	35	DFT-s OFDM			π/2 BPSK	23.93	0.247		
						QPSK	23.95	0.248	23.62	0.230
						16QAM	22.81	0.191	22.94	0.197
						64QAM	21.60	0.145		
				256QAM	18.93	0.078				
			CP-OFDM	QPSK	22.45	0.176				
			2515.00 - 2555.00	30	DFT-s OFDM	π/2 BPSK	23.94	0.248		
						QPSK	23.92	0.247	23.59	0.229
						16QAM	22.85	0.193	22.98	0.199
						64QAM	21.57	0.144		
	256QAM	18.87				0.077				
	CP-OFDM	QPSK			22.53	0.179				
	2512.50 - 2557.50	25			DFT-s OFDM	π/2 BPSK	24.07	0.255		
						QPSK	24.17	0.261	23.78	0.239
						16QAM	23.08	0.203	23.14	0.206
						64QAM	21.45	0.140		
			256QAM	18.83		0.076				
			CP-OFDM	QPSK	22.32	0.171				
			2510.00 - 2560.00	20	DFT-s OFDM	π/2 BPSK	23.81	0.240		
						QPSK	23.83	0.242	23.42	0.220
						16QAM	22.78	0.190	22.84	0.192
						64QAM	21.36	0.137		
	256QAM	18.69				0.074				
	CP-OFDM	QPSK			22.23	0.167				
	2507.50 - 2562.50	15			DFT-s OFDM	π/2 BPSK	23.77	0.238		
						QPSK	23.79	0.239	23.33	0.215
						16QAM	22.77	0.189	22.83	0.192
						64QAM	21.44	0.139		
			256QAM	18.76		0.075				
			CP-OFDM	QPSK	22.21	0.166				
			2505.00 - 2565.00	10	DFT-s OFDM	π/2 BPSK	23.81	0.240		
						QPSK	23.83	0.242	23.42	0.220
						16QAM	22.87	0.194	22.93	0.196
						64QAM	21.35	0.136		
	256QAM	18.76				0.075				
	CP-OFDM	QPSK			22.24	0.167				
	2502.50 - 2567.50	5			DFT-s OFDM	π/2 BPSK	23.92	0.247		
						QPSK	23.94	0.248	23.45	0.221
						16QAM	22.92	0.196	22.98	0.199
						64QAM	21.47	0.140		
			256QAM	18.81		0.076				
			CP-OFDM	QPSK	22.32	0.171				

NR Band n12

FCC Part 27										
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted (ANT A)		ERP (ANT A)		ERP (ANT A+B)	
					Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
n12	706.50 - 708.50	15	DFT-s OFDM	$\pi/2$ BPSK	24.32	0.270				
				QPSK	24.34	0.272	14.20	0.026	19.58	0.091
				16QAM	23.19	0.208	13.10	0.020	18.06	0.064
				64QAM	21.89	0.155				
				256QAM	19.17	0.083				
			CP-OFDM	QPSK	22.69	0.186				
				16QAM	21.97	0.157				
				64QAM	20.48	0.112				
				256QAM	17.74	0.059				
	704.00 - 711.00	10	DFT-s OFDM	$\pi/2$ BPSK	24.18	0.262				
				QPSK	24.20	0.263	14.05	0.025	19.43	0.088
				16QAM	23.05	0.202	12.96	0.020	17.86	0.061
				64QAM	21.84	0.153				
				256QAM	19.15	0.082				
			CP-OFDM	QPSK	22.80	0.191				
	701.50 - 713.50	5	DFT-s OFDM	$\pi/2$ BPSK	24.28	0.268				
				QPSK	24.26	0.267	14.09	0.026	19.47	0.089
				16QAM	23.04	0.201	12.95	0.020	17.87	0.061
				64QAM	21.80	0.151				
				256QAM	19.15	0.082				
			CP-OFDM	QPSK	22.78	0.190				

FCC Part 27										
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted Power (ANT D)		ERP (ANT D)			
					Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]		
n12	706.50 - 708.50	15	DFT-s OFDM	$\pi/2$ BPSK	24.06	0.255				
				QPSK	24.08	0.256	16.77	0.048		
				16QAM	22.86	0.193	15.78	0.038		
				64QAM	21.58	0.144				
				256QAM	18.88	0.077				
			CP-OFDM	QPSK	22.38	0.173				
				16QAM	21.80	0.151				
				64QAM	20.08	0.102				
				256QAM	17.28	0.053				
	704.00 - 711.00	10	DFT-s OFDM	$\pi/2$ BPSK	24.07	0.255				
				QPSK	24.10	0.257	16.78	0.048		
				16QAM	22.88	0.194	15.83	0.038		
				64QAM	21.60	0.145				
				256QAM	18.93	0.078				
			CP-OFDM	QPSK	22.66	0.185				
	701.50 - 713.50	5	DFT-s OFDM	$\pi/2$ BPSK	24.11	0.258				
				QPSK	24.13	0.259	16.78	0.048		
				16QAM	22.93	0.196	15.83	0.038		
				64QAM	21.68	0.147				
				256QAM	18.99	0.079				
			CP-OFDM	QPSK	22.68	0.185				

NR Band n30

FCC Part 27								
Band	Frequency Range [MHz]	BandWidth	Modulation	Mode	Conducted Power (ANT B)		EIRP (ANT B)	
		[MHz]			Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
n30	2310	10	DFT-s OFDM	π/2 BPSK	23.95	0.248		
				QPSK	23.94	0.248	21.39	0.138
				16QAM	22.69	0.186	20.23	0.105
				64QAM	21.47	0.140		
				256QAM	18.72	0.074		
			CP-OFDM	QPSK	22.24	0.167		
				16QAM	21.75	0.150		
				64QAM	20.48	0.112		
				256QAM	17.44	0.055		
				DFT-s OFDM	π/2 BPSK	23.95	0.248	
	QPSK	23.98	0.250		21.32	0.136		
	16QAM	22.86	0.193		19.96	0.099		
	64QAM	21.46	0.140					
	256QAM	18.94	0.078					
	CP-OFDM	QPSK	22.45	0.176				
FCC Part 27								
Band	Frequency Range [MHz]	BandWidth	Modulation	Mode	Conducted Power (ANT F)		EIRP (ANT F)	
		[MHz]			Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
n30	2310	10	DFT-s OFDM	π/2 BPSK	23.60	0.229		
				QPSK	23.56	0.227	19.99	0.100
				16QAM	22.49	0.177	18.74	0.075
				64QAM	21.19	0.132		
				256QAM	18.49	0.071		
			CP-OFDM	QPSK	21.52	0.142		
				16QAM	21.18	0.131		
				64QAM	19.68	0.093		
				256QAM	16.50	0.045		
				DFT-s OFDM	π/2 BPSK	23.68	0.233	
	QPSK	23.69	0.234		19.88	0.097		
	16QAM	22.57	0.181		19.03	0.080		
	64QAM	21.23	0.133					
	256QAM	18.55	0.072					
	CP-OFDM	QPSK	22.19	0.166				

NR Band n41 (PC2, ANT B)

FCC Part 27											
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted Power (ANT B)		EIRP (ANT B)				
					Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]			
n41	2546.01 - 2640.00	100	DFT-s OFDM	$\pi/2$ BPSK	26.78	0.476					
				QPSK	26.87	0.486	27.57	0.571			
				16QAM	25.80	0.380	26.25	0.422			
				64QAM	23.87	0.244					
				256QAM	22.31	0.170					
			CP-OFDM	QPSK	25.34	0.342					
				16QAM	24.84	0.305					
				64QAM	23.11	0.205					
				256QAM	20.27	0.106					
				$\pi/2$ BPSK	26.69	0.467					
	2541.00 - 2644.98	90	DFT-s OFDM	QPSK	26.66	0.463	27.47	0.558			
				16QAM	25.91	0.390	26.01	0.399			
				64QAM	24.03	0.253					
				256QAM	22.00	0.158					
				QPSK	25.45	0.351					
			CP-OFDM	QPSK	26.73	0.471					
				QPSK	26.74	0.472	27.52	0.565			
				16QAM	25.73	0.374	26.03	0.401			
				64QAM	23.83	0.242					
				256QAM	22.06	0.161					
	2536.02 - 2649.99	80	DFT-s OFDM	CP-OFDM	QPSK	25.37	0.344				
				$\pi/2$ BPSK	26.71	0.469					
				QPSK	26.65	0.462	27.48	0.560			
				16QAM	25.56	0.360	25.96	0.394			
				64QAM	23.72	0.236					
			DFT-s OFDM	256QAM	22.00	0.158					
				CP-OFDM	QPSK	25.33	0.341				
				2531.02 - 2654.98	70	DFT-s OFDM	$\pi/2$ BPSK	26.48	0.445		
							QPSK	26.52	0.449	27.47	0.558
							16QAM	25.51	0.356	25.96	0.394
	64QAM	23.58	0.228								
	256QAM	21.84	0.153								
	DFT-s OFDM	CP-OFDM	QPSK			25.26	0.336				
		$\pi/2$ BPSK	26.77			0.475					
		QPSK	26.70			0.468	27.67	0.585			
		16QAM	25.76			0.377	26.21	0.418			
		64QAM	23.82			0.241					
	2526.00 - 2659.98	60	DFT-s OFDM	256QAM	21.91	0.155					
				CP-OFDM	QPSK	25.33	0.341				
				$\pi/2$ BPSK	26.82	0.481					
				QPSK	26.85	0.484	27.82	0.605			
				16QAM	25.75	0.376	26.08	0.406			
			DFT-s OFDM	64QAM	23.89	0.245					
				256QAM	21.92	0.156					
				CP-OFDM	QPSK	25.37	0.344				
				2521.01 - 2665.00	50	DFT-s OFDM	$\pi/2$ BPSK	26.70	0.468		
							QPSK	26.68	0.466	27.60	0.575
	16QAM	25.64	0.366				26.04	0.402			
	64QAM	23.56	0.227								
	256QAM	21.72	0.149								
	DFT-s OFDM	CP-OFDM	QPSK			25.10	0.324				
		2518.50 - 2667.48	45			DFT-s OFDM	$\pi/2$ BPSK	26.82	0.481		
							QPSK	26.77	0.475	27.70	0.589
							16QAM	25.73	0.374	26.00	0.398
							64QAM	23.77	0.238		
	256QAM			21.86	0.153						
	DFT-s OFDM			CP-OFDM	QPSK	25.25	0.335				
				$\pi/2$ BPSK	26.68	0.466					
				QPSK	26.71	0.469	27.64	0.581			
				2516.01 - 2670.00	40	DFT-s OFDM	16QAM	25.70	0.372	26.15	0.412
							64QAM	23.85	0.243		
	256QAM	21.87	0.154								
	CP-OFDM	QPSK	25.22				0.333				
	$\pi/2$ BPSK	26.84	0.483								
	DFT-s OFDM	QPSK	26.79			0.478	27.73	0.593			
		16QAM	25.84			0.384	26.07	0.405			
		64QAM	23.79			0.239					
		256QAM	21.95			0.157					
		CP-OFDM	QPSK			25.27	0.337				
	2511.00 - 2675.00	30	DFT-s OFDM	$\pi/2$ BPSK	26.69	0.467					
				QPSK	26.71	0.469	27.68	0.586			
				16QAM	25.71	0.372	26.16	0.413			
				64QAM	23.82	0.241					
				256QAM	21.90	0.155					
			DFT-s OFDM	CP-OFDM	QPSK	25.20	0.331				
				$\pi/2$ BPSK	26.80	0.479					
				QPSK	26.79	0.478	27.76	0.597			
				16QAM	25.74	0.375	26.03	0.401			
				64QAM	23.94	0.248					
	2508.51 - 2677.50	25	DFT-s OFDM	256QAM	21.96	0.157					
				CP-OFDM	QPSK	25.25	0.335				
				$\pi/2$ BPSK	26.81	0.480					
				QPSK	26.85	0.484	27.51	0.564			
				16QAM	25.79	0.379	26.61	0.458			
			DFT-s OFDM	64QAM	23.91	0.246					
				256QAM	21.97	0.157					
				CP-OFDM	QPSK	25.37	0.344				
				2503.50 - 2682.48	15	DFT-s OFDM	$\pi/2$ BPSK	26.81	0.480		
							QPSK	26.85	0.484	27.51	0.564
	16QAM	25.79	0.379				26.61	0.458			
	64QAM	23.91	0.246								
	256QAM	21.97	0.157								
	DFT-s OFDM	CP-OFDM	QPSK			25.37	0.344				
		$\pi/2$ BPSK	26.81			0.480					
		QPSK	26.85			0.484	27.51	0.564			
		16QAM	25.79			0.379	26.61	0.458			
		64QAM	23.91			0.246					
	2501.01 - 2685.00	10	DFT-s OFDM	256QAM	21.97	0.157					
				CP-OFDM	QPSK	25.37	0.344				
				$\pi/2$ BPSK	26.81	0.480					
				QPSK	26.85	0.484	27.51	0.564			
				16QAM	25.79	0.379	26.61	0.458			
			DFT-s OFDM	64QAM	23.91	0.246					
				256QAM	21.97	0.157					
				CP-OFDM	QPSK	25.37	0.344				
				$\pi/2$ BPSK	26.81	0.480					
				QPSK	26.85	0.484	27.51	0.564			

NR Band n41 (PC2, SRS2, ANT F)

FCC Part 27						
Band	Frequency Range	BandWidth	Conducted Power (ANT F)		EIRP (ANT F)	
	[MHz]	[MHz]	Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
n41	2546.01 - 2640.00	100	24.41	0.276	25.44	0.350
	2541.00 - 2644.98	90	24.19	0.262		
	2536.02 - 2649.99	80	24.07	0.255		
	2531.02 - 2654.98	70	23.91	0.246		
	2526.00 - 2659.98	60	23.87	0.244		
	2521.01 - 2665.00	50	23.94	0.248		
	2518.50 - 2667.48	45	23.91	0.246		
	2516.01 - 2670.00	40	23.89	0.245		
	2513.52 - 2672.49	35	23.75	0.237		
	2511.00 - 2675.00	30	23.81	0.240		
	2508.51 - 2677.50	25	24.12	0.258		
	2506.02 - 2679.99	20	24.31	0.270		
	2503.50 - 2682.48	15	24.33	0.271		
	2501.01 - 2685.00	10	24.28	0.268		

NR Band n41 (PC2, SRS3, ANT C)

FCC Part 27						
Band	Frequency Range	BandWidth	Conducted Power (ANT C)		EIRP (ANT C)	
	[MHz]	[MHz]	Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
n41	2546.01 - 2640.00	100	25.81	0.381	23.19	0.208
	2541.00 - 2644.98	90	25.72	0.373		
	2536.02 - 2649.99	80	25.65	0.367		
	2531.02 - 2654.98	70	25.56	0.360		
	2526.00 - 2659.98	60	25.47	0.352		
	2521.01 - 2665.00	50	25.63	0.366		
	2518.50 - 2667.48	45	25.76	0.377		
	2516.01 - 2670.00	40	25.68	0.370		
	2513.52 - 2672.49	35	25.57	0.361		
	2511.00 - 2675.00	30	25.55	0.359		
	2508.51 - 2677.50	25	25.57	0.361		
	2506.02 - 2679.99	20	25.53	0.357		
	2503.50 - 2682.48	15	25.48	0.353		
	2501.01 - 2685.00	10	25.57	0.361		

NR Band n41 (PC2, SRS4, ANT E)

FCC Part 27						
Band	Frequency Range	BandWidth	Conducted Power (ANT E)		EIRP (ANT E)	
	[MHz]	[MHz]	Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
n41	2546.01 - 2640.00	100	21.58	0.144	14.85	0.031
	2541.00 - 2644.98	90	21.25	0.133		
	2536.02 - 2649.99	80	21.06	0.128		
	2531.02 - 2654.98	70	21.03	0.127		
	2526.00 - 2659.98	60	21.01	0.126		
	2521.01 - 2665.00	50	20.47	0.111		
	2518.50 - 2667.48	45	20.49	0.112		
	2516.01 - 2670.00	40	20.54	0.113		
	2513.52 - 2672.49	35	20.91	0.123		
	2511.00 - 2675.00	30	20.95	0.124		
	2508.51 - 2677.50	25	21.06	0.128		
	2506.02 - 2679.99	20	21.17	0.131		
	2503.50 - 2682.48	15	21.25	0.133		
	2501.01 - 2685.00	10	21.34	0.136		

NR Band n41 (PC2, ANT F)

FCC Part 27								
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted Power (ANT F)		EIRP (ANT F)	
					Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
n41	2546.01 - 2640.00	100	DFT-s OFDM	$\pi/2$ BPSK	26.47	0.444		
				QPSK	26.57	0.454	28.94	0.783
				16QAM	25.41	0.348	28.23	0.665
				64QAM	23.42	0.220		
				256QAM	21.59	0.144		
			CP-OFDM	QPSK	24.99	0.316		
				16QAM	24.64	0.291		
				64QAM	22.46	0.176		
				256QAM	19.73	0.094		
				$\pi/2$ BPSK	26.43	0.440		
	2541.00 - 2644.98	90	DFT-s OFDM	QPSK	26.44	0.441	28.85	0.767
				16QAM	25.48	0.353	28.10	0.646
				64QAM	23.51	0.224		
				256QAM	21.74	0.149		
				QPSK	25.21	0.332		
			CP-OFDM	$\pi/2$ BPSK	26.42	0.439		
				QPSK	26.52	0.449	28.78	0.755
				16QAM	25.48	0.353	28.10	0.646
				64QAM	23.35	0.216		
				256QAM	21.60	0.145		
	2536.02 - 2649.99	80	DFT-s OFDM	QPSK	24.84	0.305		
				$\pi/2$ BPSK	26.42	0.439		
				QPSK	26.44	0.441	28.76	0.752
				16QAM	25.35	0.343	28.13	0.650
				64QAM	23.30	0.214		
			CP-OFDM	256QAM	21.46	0.140		
				QPSK	24.83	0.304		
				$\pi/2$ BPSK	26.30	0.427		
				QPSK	26.43	0.440	28.76	0.752
				16QAM	25.14	0.327	27.93	0.621
	2531.02 - 2654.98	70	DFT-s OFDM	64QAM	23.23	0.210		
				256QAM	21.47	0.140		
				QPSK	24.77	0.300		
			CP-OFDM	$\pi/2$ BPSK	26.41	0.438		
				QPSK	26.39	0.436	28.97	0.789
				16QAM	25.57	0.361	28.35	0.684
				64QAM	23.53	0.225		
				256QAM	21.74	0.149		
				QPSK	25.05	0.320		
				$\pi/2$ BPSK	26.44	0.441		
	2526.00 - 2659.98	60	DFT-s OFDM	QPSK	26.43	0.440	29.05	0.804
				16QAM	25.47	0.352	28.26	0.670
				64QAM	23.50	0.224		
				256QAM	21.68	0.147		
				QPSK	25.15	0.327		
			CP-OFDM	$\pi/2$ BPSK	26.27	0.424		
				QPSK	26.38	0.435	28.83	0.764
				16QAM	25.24	0.334	28.06	0.640
				64QAM	23.24	0.211		
				256QAM	21.52	0.142		
	2521.01 - 2665.00	50	DFT-s OFDM	QPSK	24.81	0.303		
				$\pi/2$ BPSK	26.37	0.434		
				QPSK	26.41	0.438	28.95	0.785
				16QAM	25.39	0.346	28.18	0.658
				64QAM	23.40	0.219		
			CP-OFDM	256QAM	21.60	0.145		
				QPSK	25.02	0.318		
				$\pi/2$ BPSK	26.29	0.426		
				QPSK	26.14	0.411	28.80	0.759
				16QAM	25.31	0.340	27.93	0.621
	2518.50 - 2667.48	45	DFT-s OFDM	64QAM	23.52	0.225		
				256QAM	21.44	0.139		
				QPSK	24.73	0.297		
			CP-OFDM	$\pi/2$ BPSK	26.34	0.431		
				QPSK	26.35	0.432	28.82	0.762
				16QAM	25.24	0.334	27.96	0.628
				64QAM	23.71	0.235		
				256QAM	21.57	0.144		
				QPSK	24.87	0.307		
	2516.01 - 2670.00	40	DFT-s OFDM	$\pi/2$ BPSK	26.43	0.440		
				QPSK	26.32	0.429	28.77	0.753
				16QAM	25.26	0.336	28.13	0.650
				64QAM	23.67	0.233		
				256QAM	21.45	0.140		
			CP-OFDM	QPSK	24.85	0.305		
				$\pi/2$ BPSK	26.53	0.450		
				QPSK	26.46	0.443	28.81	0.760
				16QAM	25.21	0.332	27.92	0.619
				64QAM	23.74	0.237		
	2513.52 - 2672.49	35	DFT-s OFDM	256QAM	21.56	0.143		
				QPSK	24.93	0.311		
			CP-OFDM	$\pi/2$ BPSK	26.44	0.441		
				QPSK	26.45	0.442	28.72	0.745
				16QAM	25.28	0.337	28.05	0.638
				64QAM	23.75	0.237		
				256QAM	21.58	0.144		
				QPSK	24.91	0.310		
	2511.00 - 2675.00	30	DFT-s OFDM	QPSK	26.43	0.440		
				$\pi/2$ BPSK	26.34	0.431		
				QPSK	26.35	0.432	28.82	0.762
				16QAM	25.24	0.334	27.96	0.628
				64QAM	23.71	0.235		
			CP-OFDM	256QAM	21.57	0.144		
				QPSK	24.87	0.307		
				$\pi/2$ BPSK	26.43	0.440		
				QPSK	26.32	0.429	28.77	0.753
				16QAM	25.26	0.336	28.13	0.650
	2508.51 - 2677.50	25	DFT-s OFDM	64QAM	23.67	0.233		
				256QAM	21.45	0.140		
				QPSK	24.85	0.305		
			CP-OFDM	$\pi/2$ BPSK	26.53	0.450		
				QPSK	26.46	0.443	28.81	0.760
				16QAM	25.21	0.332	27.92	0.619
				64QAM	23.74	0.237		
				256QAM	21.56	0.143		
				QPSK	24.93	0.311		
				$\pi/2$ BPSK	26.44	0.441		
				QPSK	26.45	0.442	28.72	0.745
				16QAM	25.28	0.337	28.05	0.638
	2506.02 - 2679.99	20	DFT-s OFDM	64QAM	23.75	0.237		
				256QAM	21.58	0.144		
				QPSK	24.91	0.310		
			CP-OFDM	$\pi/2$ BPSK	26.44	0.441		
				QPSK	26.45	0.442	28.72	0.745
				16QAM	25.28	0.337	28.05	0.638
				64QAM	23.75	0.237		
				256QAM	21.58	0.144		
				QPSK	24.91	0.310		
	2503.50 - 2682.48	15	DFT-s OFDM	$\pi/2$ BPSK	26.44	0.441		
				QPSK	26.45	0.442	28.72	0.745
				16QAM	25.28	0.337	28.05	0.638
				64QAM	23.75	0.237		
				256QAM	21.58	0.144		
			CP-OFDM	QPSK	24.91	0.310		
				$\pi/2$ BPSK	26.44	0.441		
				QPSK	26.45	0.442	28.72	0.745
				16QAM	25.28	0.337	28.05	0.638
				64QAM	23.75	0.237		
	2501.01 - 2685.00	10	DFT-s OFDM	256QAM	21.58	0.144		
				QPSK	24.91	0.310		
				$\pi/2$ BPSK	26.44	0.441		
				QPSK	26.45	0.442	28.72	0.745
				16QAM	25.28	0.337	28.05	0.638
			CP-OFDM	64QAM	23.75	0.237		
				256QAM	21.58	0.144		
				QPSK	24.91	0.310		
				$\pi/2$ BPSK	26.44	0.441		
				QPSK	26.45	0.442	28.72	0.745

NR Band n41 (PC2, SRS2, ANT B)

FCC Part 27						
Band	Frequency Range	BandWidth	Conducted Power (ANT B)		EIRP (ANT B)	
	[MHz]	[MHz]	Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
n41	2546.01 - 2640.00	100	22.79	0.190		
	2541.00 - 2644.98	90	22.61	0.182		
	2536.02 - 2649.99	80	22.57	0.181		
	2531.02 - 2654.98	70	22.45	0.176		
	2526.00 - 2659.98	60	22.47	0.177		
	2521.01 - 2665.00	50	22.68	0.185		
	2518.50 - 2667.48	45	22.81	0.191		
	2516.01 - 2670.00	40	22.61	0.182		
	2513.52 - 2672.49	35	22.60	0.182		
	2511.00 - 2675.00	30	22.73	0.187		
	2508.51 - 2677.50	25	22.68	0.185		
	2506.02 - 2679.99	20	22.72	0.187		
	2503.50 - 2682.48	15	22.81	0.191		
	2501.01 - 2685.00	10	22.87	0.194	23.94	0.248

NR Band n41 (PC2, SRS3, ANT E)

FCC Part 27						
Band	Frequency Range	BandWidth	Conducted Power (ANT E)		EIRP (ANT E)	
	[MHz]	[MHz]	Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
n41	2546.01 - 2640.00	100	25.58	0.361		
	2541.00 - 2644.98	90	25.51	0.356		
	2536.02 - 2649.99	80	25.47	0.352		
	2531.02 - 2654.98	70	25.43	0.349		
	2526.00 - 2659.98	60	25.32	0.340		
	2521.01 - 2665.00	50	25.41	0.348		
	2518.50 - 2667.48	45	25.61	0.364	18.26	0.067
	2516.01 - 2670.00	40	25.56	0.360		
	2513.52 - 2672.49	35	25.47	0.352		
	2511.00 - 2675.00	30	25.48	0.353		
	2508.51 - 2677.50	25	25.51	0.356		
	2506.02 - 2679.99	20	25.46	0.352		
	2503.50 - 2682.48	15	25.41	0.348		
	2501.01 - 2685.00	10	25.46	0.352		

NR Band n41 (PC2, SRS4, ANT C)

FCC Part 27						
Band	Frequency Range	BandWidth	Conducted Power (ANT C)		EIRP (ANT C)	
	[MHz]	[MHz]	Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
n41	2546.01 - 2640.00	100	23.48	0.223	20.09	0.102
	2541.00 - 2644.98	90	23.34	0.216		
	2536.02 - 2649.99	80	23.27	0.212		
	2531.02 - 2654.98	70	23.38	0.218		
	2526.00 - 2659.98	60	23.35	0.216		
	2521.01 - 2665.00	50	23.38	0.218		
	2518.50 - 2667.48	45	23.36	0.217		
	2516.01 - 2670.00	40	23.25	0.211		
	2513.52 - 2672.49	35	23.27	0.212		
	2511.00 - 2675.00	30	23.34	0.216		
	2508.51 - 2677.50	25	23.38	0.218		
	2506.02 - 2679.99	20	23.31	0.214		
	2503.50 - 2682.48	15	23.28	0.213		
	2501.01 - 2685.00	10	23.31	0.214		

NR Band n66

FCC Part 27											
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted Power (ANT B)		EIRP (ANT B)				
					Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]			
n66	1732.50 ~ 1757.50	45	DFT-s OFDM	π/2 BPSK	24.56	0.286					
				QPSK	24.73	0.297	25.35	0.343			
				16QAM	23.43	0.220	24.50	0.282			
				64QAM	22.06	0.161					
				256QAM	19.64	0.092					
			CP-OFDM	QPSK	22.63	0.183					
				16QAM	22.28	0.169					
				64QAM	20.58	0.114					
				256QAM	17.84	0.061					
				1730.00 ~ 1760.00	40	DFT-s OFDM	π/2 BPSK	24.40	0.275		
	QPSK	24.43	0.277				25.25	0.335			
	16QAM	23.20	0.209				24.25	0.266			
	64QAM	22.09	0.162								
	256QAM	19.32	0.086								
	CP-OFDM	QPSK	23.02			0.200					
		1727.50 ~ 1762.50	35			DFT-s OFDM	π/2 BPSK	24.66	0.292		
							QPSK	24.66	0.292	25.26	0.336
							16QAM	23.53	0.225	24.53	0.284
							64QAM	22.25	0.168		
	256QAM			19.54	0.090						
	CP-OFDM			QPSK	23.12	0.205					
				1725.00 ~ 1765.00	30	DFT-s OFDM	π/2 BPSK	24.73	0.297		
							QPSK	24.77	0.300	25.28	0.337
							16QAM	23.61	0.230	24.61	0.289
							64QAM	22.31	0.170		
	256QAM	19.66	0.092								
	CP-OFDM	QPSK	23.21			0.209					
		1722.50 ~ 1767.50	25			DFT-s OFDM	π/2 BPSK	24.59	0.288		
							QPSK	24.68	0.294	25.33	0.341
							16QAM	23.60	0.229	24.60	0.288
							64QAM	22.28	0.169		
	256QAM			19.61	0.091						
	CP-OFDM			QPSK	23.21	0.209					
				1720.00 ~ 1770.00	20	DFT-s OFDM	π/2 BPSK	24.56	0.286		
							QPSK	24.62	0.290	25.18	0.330
							16QAM	23.40	0.219	24.40	0.275
							64QAM	22.19	0.166		
	256QAM	19.48	0.089								
	CP-OFDM	QPSK	23.14			0.206					
		1717.50 ~ 1772.50	15			DFT-s OFDM	π/2 BPSK	24.73	0.297		
							QPSK	24.72	0.296	25.27	0.337
							16QAM	23.57	0.228	24.57	0.286
							64QAM	22.29	0.169		
	256QAM			19.63	0.092						
	CP-OFDM			QPSK	23.28	0.213					
				1715.00 ~ 1775.00	10	DFT-s OFDM	π/2 BPSK	24.63	0.290		
							QPSK	24.64	0.291	25.15	0.327
							16QAM	23.48	0.223	24.48	0.281
							64QAM	22.27	0.169		
	256QAM	19.54	0.090								
	CP-OFDM	QPSK	23.17			0.207					
		1712.50 ~ 1777.50	5			DFT-s OFDM	π/2 BPSK	24.67	0.293		
							QPSK	24.70	0.295	25.21	0.332
							16QAM	23.52	0.225	24.52	0.283
							64QAM	22.22	0.167		
	256QAM			19.54	0.090						
	CP-OFDM			QPSK	23.24	0.211					

FCC Part 27								
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted Power (ANT F)		EIRP (ANT F)	
					Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
n66	1732.50 ~ 1757.50	45	DFT-s OFDM	$\pi/2$ BPSK	24.46	0.279		
				QPSK	24.45	0.279	27.02	0.504
				16QAM	23.34	0.216	26.21	0.418
				64QAM	22.01	0.159		
			CP-OFDM	256QAM	19.73	0.094		
				QPSK	22.72	0.187		
				16QAM	22.00	0.158		
				64QAM	20.78	0.120		
	1730.00 ~ 1760.00	40	DFT-s OFDM	256QAM	17.76	0.060		
				$\pi/2$ BPSK	24.73	0.297		
				QPSK	24.81	0.303	27.44	0.555
				16QAM	23.20	0.209	26.03	0.401
			CP-OFDM	64QAM	22.09	0.162		
				256QAM	19.32	0.086		
				QPSK	23.02	0.200		
	1727.50 ~ 1762.50	35	DFT-s OFDM	QPSK	22.87	0.194		
				$\pi/2$ BPSK	24.44	0.278		
				QPSK	24.43	0.277	26.89	0.489
				16QAM	23.21	0.209	25.90	0.389
			CP-OFDM	64QAM	21.94	0.156		
				256QAM	19.19	0.083		
				QPSK	22.87	0.194		
	1725.00 ~ 1765.00	30	DFT-s OFDM	QPSK	22.87	0.194		
				$\pi/2$ BPSK	24.65	0.292		
				QPSK	24.37	0.274	26.99	0.500
				16QAM	23.19	0.208	25.89	0.388
			CP-OFDM	64QAM	21.96	0.157		
				256QAM	19.31	0.085		
				QPSK	23.00	0.200		
	1722.50 ~ 1767.50	25	DFT-s OFDM	QPSK	23.00	0.200		
				$\pi/2$ BPSK	24.40	0.275		
				QPSK	24.41	0.276	26.89	0.489
				16QAM	23.25	0.211	25.92	0.391
			CP-OFDM	64QAM	21.98	0.158		
				256QAM	19.27	0.085		
				QPSK	22.96	0.198		
	1720.00 ~ 1770.00	20	DFT-s OFDM	QPSK	22.96	0.198		
				$\pi/2$ BPSK	24.28	0.268		
				QPSK	24.32	0.270	26.76	0.474
				16QAM	23.16	0.207	25.88	0.387
			CP-OFDM	64QAM	21.91	0.155		
				256QAM	19.18	0.083		
				QPSK	22.84	0.192		
	1717.50 ~ 1772.50	15	DFT-s OFDM	QPSK	22.84	0.192		
				$\pi/2$ BPSK	24.39	0.275		
				QPSK	24.40	0.275	26.79	0.478
				16QAM	23.23	0.210	26.03	0.401
			CP-OFDM	64QAM	22.06	0.161		
				256QAM	19.29	0.085		
				QPSK	22.99	0.199		
	1715.00 ~ 1775.00	10	DFT-s OFDM	QPSK	22.99	0.199		
				$\pi/2$ BPSK	24.33	0.271		
				QPSK	24.37	0.274	26.75	0.473
				16QAM	23.19	0.208	25.86	0.385
			CP-OFDM	64QAM	21.98	0.158		
				256QAM	19.28	0.085		
				QPSK	22.87	0.194		
	1712.50 ~ 1777.50	5	DFT-s OFDM	QPSK	22.87	0.194		
				$\pi/2$ BPSK	24.42	0.277		
				QPSK	24.40	0.275	26.80	0.479
				16QAM	23.16	0.207	25.85	0.385
			CP-OFDM	64QAM	21.99	0.158		
				256QAM	19.26	0.084		
				QPSK	22.88	0.194		

NR Band n70

FCC Part 27								
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted Power (ANT B)		EIRP (ANT B)	
					Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
n70	1702.5	15	DFT-s OFDM	π/2 BPSK	23.52	0.225		
				QPSK	23.59	0.229	24.52	0.283
				16QAM	22.39	0.173	23.91	0.246
				64QAM	21.10	0.129		
			CP-OFDM	256QAM	18.51	0.071		
				QPSK	22.65	0.184		
				16QAM	22.28	0.169		
				64QAM	20.54	0.113		
	1700.00 - 1705.00	10	DFT-s OFDM	256QAM	17.51	0.056		
				π/2 BPSK	23.60	0.229		
				QPSK	23.65	0.232	24.81	0.303
				16QAM	22.52	0.179	24.16	0.261
			CP-OFDM	64QAM	21.22	0.132		
				256QAM	18.61	0.073		
				QPSK	22.13	0.163		
				1697.50 - 1707.50	5	DFT-s OFDM	QPSK	22.13
	π/2 BPSK	23.66	0.232					
	QPSK	23.73	0.236				24.92	0.310
	16QAM	22.62	0.183				24.25	0.266
	CP-OFDM	64QAM	21.29			0.135		
		256QAM	18.56			0.072		
QPSK		22.22	0.167					
FCC Part 27								
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted Power (ANT F)		EIRP (ANT F)	
					Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
n70	1702.5	15	DFT-s OFDM	π/2 BPSK	24.07	0.255		
				QPSK	24.10	0.257	25.72	0.373
				16QAM	23.03	0.201	24.70	0.295
				64QAM	21.64	0.146		
			CP-OFDM	256QAM	18.96	0.079		
				QPSK	22.24	0.167		
				16QAM	21.75	0.150		
				64QAM	20.16	0.104		
	1700.00 - 1705.00	10	DFT-s OFDM	256QAM	17.33	0.054		
				π/2 BPSK	24.24	0.265		
				QPSK	24.25	0.266	25.83	0.383
				16QAM	23.14	0.206	25.31	0.340
			CP-OFDM	64QAM	21.79	0.151		
				256QAM	19.02	0.080		
				QPSK	22.70	0.186		
				1697.50 - 1707.50	5	DFT-s OFDM	π/2 BPSK	24.20
	QPSK	24.24	0.265				25.75	0.376
	16QAM	23.14	0.206				24.77	0.300
	64QAM	21.79	0.151					
	CP-OFDM	256QAM	19.07			0.081		
		QPSK	22.69			0.186		

NR Band n71

Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	FCC Part 27					
					Conducted Power (ANT A)		ERP (ANT A)		ERP (ANT A+B)	
					Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
n71	680.50	35	DFT-s OFDM	$\pi/2$ BPSK	24.72	0.296				
				QPSK	24.70	0.295	14.20	0.026	17.89	0.061
				16QAM	23.28	0.213	13.03	0.020	17.18	0.052
				64QAM	22.23	0.167				
				256QAM	20.21	0.105				
			CP-OFDM	QPSK	23.15	0.207				
				16QAM	22.28	0.169				
				64QAM	21.04	0.127				
				256QAM	18.18	0.066				
	678.00 ~ 683.00	30	DFT-s OFDM	$\pi/2$ BPSK	24.68	0.294				
				QPSK	24.67	0.293	14.17	0.026	18.72	0.075
				16QAM	23.61	0.230	13.36	0.022	17.50	0.056
				64QAM	22.27	0.169				
				256QAM	20.22	0.105				
			CP-OFDM	QPSK	23.24	0.211				
	675.50 ~ 685.50	25	DFT-s OFDM	$\pi/2$ BPSK	24.68	0.294				
				QPSK	24.74	0.298	14.24	0.027	18.67	0.074
				16QAM	23.49	0.223	13.24	0.021	17.36	0.054
				64QAM	22.06	0.161				
				256QAM	20.21	0.105				
			CP-OFDM	QPSK	23.31	0.214				
	673.00 ~ 688.00	20	DFT-s OFDM	$\pi/2$ BPSK	24.71	0.296				
				QPSK	24.66	0.292	14.64	0.029	18.85	0.077
				16QAM	23.76	0.238	13.61	0.023	17.87	0.061
				64QAM	22.30	0.170				
				256QAM	19.90	0.098				
			CP-OFDM	QPSK	23.15	0.207				
	670.50 ~ 690.50	15	DFT-s OFDM	$\pi/2$ BPSK	24.62	0.290				
				QPSK	24.62	0.290	14.60	0.029	18.46	0.070
				16QAM	23.80	0.240	13.65	0.023	17.37	0.055
				64QAM	22.30	0.170				
				256QAM	20.23	0.105				
			CP-OFDM	QPSK	23.26	0.212				
	668.00 ~ 693.00	10	DFT-s OFDM	$\pi/2$ BPSK	24.71	0.296				
				QPSK	24.63	0.290	14.57	0.029	18.11	0.065
				16QAM	23.79	0.239	13.64	0.023	17.10	0.051
				64QAM	22.24	0.167				
				256QAM	19.92	0.098				
			CP-OFDM	QPSK	23.06	0.202				
	665.50 ~ 695.50	5	DFT-s OFDM	$\pi/2$ BPSK	24.82	0.303				
				QPSK	24.86	0.306	14.80	0.030	18.30	0.068
				16QAM	23.61	0.230	13.46	0.022	17.13	0.052
				64QAM	22.43	0.175				
				256QAM	20.09	0.102				
			CP-OFDM	QPSK	23.40	0.219				

Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	FCC Part 27				
				Mode	Conducted Power (ANT D)		ERP (ANT D)	
					Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
n71	680.50	35	DFT-s OFDM	$\pi/2$ BPSK	24.32	0.270		
				QPSK	24.38	0.274	15.90	0.039
				16QAM	23.14	0.206	15.09	0.032
				64QAM	21.65	0.146		
				256QAM	19.85	0.097		
			CP-OFDM	QPSK	22.72	0.187		
				16QAM	22.60	0.182		
				64QAM	20.87	0.122		
				256QAM	17.84	0.061		
	678.00 ~ 683.00	30	DFT-s OFDM	$\pi/2$ BPSK	24.31	0.270		
				QPSK	24.23	0.265	15.75	0.038
				16QAM	23.24	0.211	15.19	0.033
				64QAM	21.34	0.136		
				256QAM	19.92	0.098		
			CP-OFDM	QPSK	22.77	0.189		
	675.50 ~ 685.50	25	DFT-s OFDM	$\pi/2$ BPSK	24.31	0.270		
				QPSK	24.32	0.270	15.84	0.038
				16QAM	23.17	0.207	15.12	0.033
				64QAM	21.54	0.143		
				256QAM	19.80	0.095		
			CP-OFDM	QPSK	22.92	0.196		
	673.00 ~ 688.00	20	DFT-s OFDM	$\pi/2$ BPSK	24.32	0.270		
				QPSK	24.30	0.269	16.46	0.044
				16QAM	23.26	0.212	15.51	0.036
				64QAM	21.82	0.152		
				256QAM	19.85	0.097		
			CP-OFDM	QPSK	22.80	0.191		
	670.50 ~ 690.50	15	DFT-s OFDM	$\pi/2$ BPSK	24.31	0.270		
				QPSK	24.32	0.270	16.45	0.044
				16QAM	23.40	0.219	15.38	0.035
				64QAM	21.87	0.154		
				256QAM	20.15	0.104		
			CP-OFDM	QPSK	22.69	0.186		
	668.00 ~ 693.00	10	DFT-s OFDM	$\pi/2$ BPSK	24.29	0.269		
				QPSK	24.28	0.268	16.44	0.044
				16QAM	23.32	0.215	15.42	0.035
				64QAM	21.73	0.149		
				256QAM	19.78	0.095		
			CP-OFDM	QPSK	22.74	0.188		
	665.50 ~ 695.50	5	DFT-s OFDM	$\pi/2$ BPSK	24.28	0.268		
				QPSK	24.37	0.274	16.35	0.043
				16QAM	23.47	0.222	15.44	0.035
				64QAM	21.96	0.157		
				256QAM	19.84	0.096		
			CP-OFDM	QPSK	22.86	0.193		

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

FCC Part 27											
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted Power (ANT E)		EIRP (ANT E)				
					Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]			
n77	3499.98	100	DFT-s OFDM	π/2 BPSK	26.90	0.490					
				QPSK	26.91	0.491	26.82	0.481			
				16QAM	25.89	0.388	25.46	0.352			
				64QAM	24.01	0.252					
				256QAM	22.08	0.161					
			CP-OFDM	QPSK	25.45	0.351					
				16QAM	24.83	0.304					
				64QAM	23.01	0.200					
				256QAM	20.13	0.103					
				3495.00 - 3504.99	90	DFT-s OFDM	π/2 BPSK	26.63	0.460		
	QPSK	26.35	0.432				27.32	0.540			
	16QAM	25.70	0.372				26.84	0.483			
	64QAM	23.40	0.219								
	256QAM	22.45	0.176								
	CP-OFDM	QPSK	25.39			0.346					
		3490.02 - 3510.00	80			DFT-s OFDM	π/2 BPSK	26.27	0.424		
							QPSK	26.22	0.419	27.27	0.533
							16QAM	25.34	0.342	26.69	0.467
							64QAM	23.40	0.219		
	256QAM			22.38	0.173						
	CP-OFDM			QPSK	25.31	0.340					
				3485.01 - 3514.98	70	DFT-s OFDM	π/2 BPSK	26.19	0.416		
							QPSK	26.19	0.416	27.25	0.531
							16QAM	25.29	0.338	26.66	0.463
							64QAM	23.32	0.215		
	256QAM	22.38	0.173								
	CP-OFDM	QPSK	25.35			0.343					
		3480.00 - 3519.99	60			DFT-s OFDM	π/2 BPSK	26.15	0.412		
							QPSK	26.10	0.407	27.18	0.522
							16QAM	25.17	0.329	26.43	0.440
							64QAM	23.36	0.217		
	256QAM			21.31	0.135						
	CP-OFDM			QPSK	24.76	0.299					
				3475.02 - 3525.00	50	DFT-s OFDM	π/2 BPSK	26.45	0.442		
							QPSK	26.34	0.431	27.43	0.553
							16QAM	25.41	0.348	26.79	0.478
							64QAM	23.56	0.227		
	256QAM	21.51	0.142								
	CP-OFDM	QPSK	25.17			0.329					
		3470.01 - 3529.98	40			DFT-s OFDM	π/2 BPSK	26.30	0.427		
							QPSK	26.22	0.419	27.31	0.538
							16QAM	25.11	0.324	26.46	0.443
							64QAM	23.42	0.220		
	256QAM			21.40	0.138						
	CP-OFDM			QPSK	24.96	0.313					
				3465.00 - 3534.99	30	DFT-s OFDM	π/2 BPSK	26.38	0.435		
							QPSK	26.30	0.427	27.39	0.548
							16QAM	25.31	0.340	26.69	0.467
							64QAM	23.60	0.229		
	256QAM	21.55	0.143								
	CP-OFDM	QPSK	25.00			0.316					
		3462.51 - 3537.48	25			DFT-s OFDM	π/2 BPSK	26.39	0.436		
							QPSK	26.32	0.429	27.41	0.551
							16QAM	25.17	0.329	26.55	0.452
							64QAM	23.59	0.229		
	256QAM			21.60	0.145						
	CP-OFDM			QPSK	25.05	0.320					
				3460.02 - 3540.00	20	DFT-s OFDM	π/2 BPSK	26.22	0.419		
							QPSK	26.13	0.410	27.22	0.527
							16QAM	25.10	0.324	26.48	0.445
							64QAM	23.42	0.220		
	256QAM	21.41	0.138								
	CP-OFDM	QPSK	24.88			0.308					
		3457.5 - 3542.49	15			DFT-s OFDM	π/2 BPSK	26.23	0.420		
							QPSK	26.17	0.414	27.26	0.532
							16QAM	25.04	0.319	26.42	0.439
							64QAM	23.43	0.220		
	256QAM			21.43	0.139						
	CP-OFDM			QPSK	24.83	0.304					
				3455.01 - 3544.98	10	DFT-s OFDM	π/2 BPSK	26.27	0.424		
							QPSK	26.24	0.421	26.60	0.457
							16QAM	25.17	0.329	25.28	0.337
							64QAM	23.45	0.221		
	256QAM	21.35	0.136								
	CP-OFDM	QPSK	24.92			0.310					

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

FCC Part 27						
Band	Frequency Range	BandWidth	Conducted Power (ANT A)		EIRP (ANT A)	
	[MHz]	[MHz]	Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
n77	3499.98	100	23.60	0.229	21.37	0.137
	3495.00 - 3504.99	90	23.48	0.223		
	3490.02 - 3510.00	80	23.41	0.219		
	3485.01 - 3514.98	70	23.38	0.218		
	3480.00 - 3519.99	60	23.31	0.214		
	3475.02 - 3525.00	50	23.25	0.211		
	3470.01 - 3529.98	40	23.21	0.209		
	3465.00 - 3535.02	30	23.16	0.207		
	3462.51 - 3537.48	25	22.89	0.195		
	3460.02 - 3540.00	20	23.12	0.205		
	3457.50 - 3542.49	15	23.04	0.201		
	3455.01 - 3549.98	10	23.06	0.202		

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

FCC Part 27						
Band	Frequency Range	BandWidth	Conducted Power (ANT F)		EIRP (ANT F)	
	[MHz]	[MHz]	Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
n77	3499.98	100	24.12	0.258	26.30	0.427
	3495.00 - 3504.99	90	23.98	0.250		
	3490.02 - 3510.00	80	23.95	0.248		
	3485.01 - 3514.98	70	23.93	0.247		
	3480.00 - 3519.99	60	23.96	0.249		
	3475.02 - 3525.00	50	24.06	0.255		
	3470.01 - 3529.98	40	24.01	0.252		
	3465.00 - 3535.02	30	23.98	0.250		
	3462.51 - 3537.48	25	23.93	0.247		
	3460.02 - 3540.00	20	23.81	0.240		
	3457.50 - 3542.49	15	23.85	0.243		
	3455.01 - 3549.98	10	23.87	0.244		

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

FCC Part 27						
Band	Frequency Range	BandWidth	Conducted Power (ANT C)		EIRP (ANT C)	
	[MHz]	[MHz]	Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
n77	3499.98	100	23.04	0.201		
	3495.00 - 3504.99	90	23.10	0.204	21.55	0.143
	3490.02 - 3510.00	80	23.09	0.204		
	3485.01 - 3514.98	70	23.01	0.200		
	3480.00 - 3519.99	60	23.05	0.202		
	3475.02 - 3525.00	50	22.99	0.199		
	3470.01 - 3529.98	40	23.05	0.202		
	3465.00 - 3535.02	30	23.06	0.202		
	3462.51 - 3537.48	25	23.01	0.200		
	3460.02 - 3540.00	20	22.95	0.197		
	3457.50 - 3542.49	15	22.93	0.196		
	3455.01 - 3549.98	10	22.91	0.195		

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

FCC Part 27								
Band	Frequency Range [MHz]	BandWidth [MHz]	Modulation	Mode	Conducted Power (ANT E)		EIRP (ANT E)	
					Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
n77	3750.00 - 3930.00	100	DFT-s OFDM	π/2 BPSK	26.97	0.498		
				QPSK	26.93	0.493	26.81	0.480
				16QAM	25.95	0.394	25.78	0.378
				64QAM	24.11	0.258		
				256QAM	22.15	0.164		
			CP-OFDM	QPSK	25.41	0.348		
				16QAM	24.96	0.313		
				64QAM	23.23	0.210		
				256QAM	20.31	0.107		
	3745.02 - 3934.98	90	DFT-s OFDM	π/2 BPSK	26.93	0.493		
				QPSK	26.98	0.499	26.76	0.474
				16QAM	25.96	0.394	25.73	0.374
				64QAM	24.16	0.261		
				256QAM	22.26	0.168		
			CP-OFDM	QPSK	25.48	0.353		
	3740.01 - 3939.99	80	DFT-s OFDM	π/2 BPSK	26.97	0.498		
				QPSK	26.97	0.498	26.79	0.478
				16QAM	25.85	0.385	25.65	0.367
				64QAM	24.13	0.259		
				256QAM	22.21	0.166		
			CP-OFDM	QPSK	25.44	0.350		
	3735.00 - 3945.00	70	DFT-s OFDM	π/2 BPSK	26.92	0.492		
				QPSK	26.89	0.489	26.60	0.457
				16QAM	25.75	0.376	25.55	0.359
				64QAM	24.11	0.258		
				256QAM	21.88	0.154		
			CP-OFDM	QPSK	25.37	0.344		
	3730.02 - 3949.98	60	DFT-s OFDM	π/2 BPSK	26.85	0.484		
				QPSK	26.84	0.483	26.47	0.444
				16QAM	25.75	0.376	25.37	0.344
				64QAM	24.02	0.252		
				256QAM	21.82	0.152		
			CP-OFDM	QPSK	25.28	0.337		
	3725.01 - 3954.99	50	DFT-s OFDM	π/2 BPSK	26.95	0.495		
				QPSK	26.96	0.497	26.40	0.437
				16QAM	25.86	0.385	25.32	0.340
				64QAM	24.27	0.267		
				256QAM	22.00	0.158		
			CP-OFDM	QPSK	25.41	0.348		
	3720.00 - 3960.00	40	DFT-s OFDM	π/2 BPSK	26.87	0.486		
				QPSK	26.83	0.482	26.25	0.422
				16QAM	25.63	0.366	25.15	0.327
				64QAM	24.06	0.255		
				256QAM	21.96	0.157		
			CP-OFDM	QPSK	25.39	0.346		
	3715.02 - 3964.98	30	DFT-s OFDM	π/2 BPSK	26.84	0.483		
				QPSK	26.86	0.485	26.24	0.421
				16QAM	25.75	0.376	25.13	0.326
				64QAM	24.10	0.257		
				256QAM	21.95	0.157		
			CP-OFDM	QPSK	25.35	0.343		
	3712.50 - 3967.50	25	DFT-s OFDM	π/2 BPSK	26.89	0.489		
				QPSK	26.84	0.483	26.26	0.423
				16QAM	25.73	0.374	25.19	0.330
				64QAM	24.15	0.260		
				256QAM	22.00	0.158		
			CP-OFDM	QPSK	25.40	0.347		
	3710.01 - 3969.99	20	DFT-s OFDM	π/2 BPSK	26.78	0.476		
				QPSK	26.71	0.469	26.26	0.423
				16QAM	25.68	0.370	25.21	0.332
				64QAM	24.07	0.255		
				256QAM	21.91	0.155		
			CP-OFDM	QPSK	25.33	0.341		
	3707.52 - 3972.48	15	DFT-s OFDM	π/2 BPSK	26.93	0.493		
				QPSK	26.78	0.476	26.32	0.429
				16QAM	25.69	0.371	25.20	0.331
				64QAM	24.16	0.261		
				256QAM	22.02	0.159		
			CP-OFDM	QPSK	25.46	0.352		
	3705.00 - 3975.00	10	DFT-s OFDM	π/2 BPSK	26.95	0.495		
				QPSK	26.88	0.488	26.94	0.494
				16QAM	25.77	0.378	25.82	0.382
				64QAM	24.19	0.262		
				256QAM	22.06	0.161		
			CP-OFDM	QPSK	25.42	0.348		

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

FCC Part 27						
Band	Frequency Range	BandWidth	Conducted Power (ANT A)		EIRP (ANT A)	
	[MHz]	[MHz]	Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
n77	3750.00 - 3930.00	100	22.68	0.185	21.47	0.140
	3745.02 - 3934.98	90	22.58	0.181		
	3740.01 - 3939.99	80	22.52	0.179		
	3735.02 - 3944.98	70	22.41	0.174		
	3730.02 - 3949.98	60	22.35	0.172		
	3725.01 - 3954.99	50	22.31	0.170		
	3720.02 - 3960.00	40	22.26	0.168		
	3715.02 - 3964.98	30	22.21	0.166		
	3712.50 - 3967.50	25	22.21	0.166		
	3710.01 - 3969.99	20	22.23	0.167		
	3707.52 - 3972.48	15	22.26	0.168		
	3705.00 - 3975.00	10	22.31	0.170		

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

FCC Part 27						
Band	Frequency Range	BandWidth	Conducted Power (ANT F)		EIRP (ANT F)	
	[MHz]	[MHz]	Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
n77	3750.00 - 3930.00	100	24.87	306.90	27.79	0.601
	3745.02 - 3934.98	90	24.85	305.49		
	3740.01 - 3939.99	80	24.81	302.69		
	3735.02 - 3944.98	70	24.86	306.20		
	3730.02 - 3949.98	60	24.82	303.39		
	3725.01 - 3954.99	50	24.85	305.49		
	3720.02 - 3960.00	40	24.82	303.39		
	3715.02 - 3964.98	30	24.79	301.30		
	3712.50 - 3967.50	25	24.81	302.69		
	3710.01 - 3969.99	20	24.84	304.79		
	3707.52 - 3972.48	15	24.80	302.00		
	3705.00 - 3975.00	10	24.81	302.69		

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

FCC Part 27						
Band	Frequency Range	BandWidth	Conducted Power (ANT C)		EIRP (ANT C)	
	[MHz]	[MHz]	Max. Power [dBm]	Max. Power [W]	Max. Power [dBm]	Max. Power [W]
n77	3750.00 - 3930.00	100	23.31	214.29	18.03	0.064
	3745.02 - 3934.98	90	23.28	212.81		
	3740.01 - 3939.99	80	23.22	209.89		
	3735.02 - 3944.98	70	23.25	211.35		
	3730.02 - 3949.98	60	23.21	209.41		
	3725.01 - 3954.99	50	23.19	208.45		
	3720.02 - 3960.00	40	23.17	207.49		
	3715.02 - 3964.98	30	23.16	207.01		
	3712.50 - 3967.50	25	23.16	207.01		
	3710.01 - 3969.99	20	23.12	205.12		
	3707.52 - 3972.48	15	23.09	203.70		
	3705.00 - 3975.00	10	23.26	211.84		

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	-1.3
	F	-3.2
LTE Band 12 / NR Band n12 699 - 716 MHz	A	-5.2
	D	-5.9
	A+B	-5.2
LTE Band 13 777 - 787 MHz	A	-3.9
	D	-5.5
	A+B	-3.9
LTE Band 30 / NR Band n30 2305 - 2315 MHz	B	-1.4
	F	-3.1
LTE Band 38, 41 / NR Band n38, n41 2496 - 2690 MHz	B	-1.3
	F	-2.2
	C	-4.4
	E	-7.1
WCDMA B4 / LTE Band 4, 66 / NR Band n66 1710 - 1780 MHz	B	-0.9
	F	-1.9
NR Band n70 1695 - 1710 MHz	B	-1.0
	F	-2.2
LTE Bnad 71 / NR Band n71 663 - 698 MHz	A	-6.3
	D	-5.9
	A+B	-6.3
NR Band n77 3450 - 3550 MHz / 3700 - 3980 MHz NR Band n78 3450 - 3550 MHz / 3700 - 3800 MHz	E	-1.9
	A	-3.5
	F	-2.1
	C	-3.7

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	AFS (Adaptive Frame Switching) / ASDiv (Antenna Switching Diversity)
LTE B4, 7, 30, 38, 41, 66	Tx Device Hopping

- The RF port of LTE Band 7, 12, 13, 30, 71 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 41, 66 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	<u>B</u>	<u>25.0</u>	F	25.0
LTE B12	<u>A</u>	<u>25.2</u>	D	25.0
LTE B13	<u>A</u>	<u>25.5</u>	D	25.0
LTE B30	<u>B</u>	<u>24.5</u>	F	24.5
LTE B41 (PC3)	B	25.0	<u>F</u>	<u>25.0</u>
LTE B66	B	25.0	<u>F</u>	<u>25.2</u>
LTE B71	<u>A</u>	<u>25.5</u>	D	25.0

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 B, 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

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

The worst-case scenario was determined by distinguishing between PSK-based modulation ($\pi/2$ BPSK, QPSK) and QAM-based modulation (16QAM, 64QAM, 256QAM). Within each modulation group, QPSK and 16QAM showed the worst results.

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

So the test case is as below.

NR Band	NSA	SA
n7	-	<u>Stand Alone</u>
n12	LTE B2/48/66	<u>Stand Alone</u>
n30	-	<u>Stand Alone</u>
n38	-	<u>Stand Alone</u>
n41	LTE B2/4/5/12/66	<u>Stand Alone</u>
n66	LTE B2/5/12/13/14/30/48	<u>Stand Alone</u>
n70	-	<u>Stand Alone</u>
n71	LTE B2/48/66	<u>Stand Alone</u>
n77	LTE B2/5/12/13/14/30/66	<u>Stand Alone</u>
n78	-	<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	AFS (Adaptive Frame Switching) / ASDiv (Antenna Switching Diversity)
NR n7, 30, 38, 41, 66, 70	Tx Device Hopping

- The RF port of NR Band n7, 12, 30, 71, 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 n41, 66, 70 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	<u>B</u>	<u>25.0</u>	F	24.5
NR n12	<u>A</u>	<u>25.2</u>	D	25.2
NR n30	<u>B</u>	<u>24.0</u>	F	24.0
NR n41(PC2)	F	27.0	<u>B</u>	<u>27.0</u>
NR n66	B	25.0	<u>F</u>	<u>25.2</u>
NR n70	B	24.5	<u>F</u>	<u>24.5</u>
NR n71	<u>A</u>	<u>25.5</u>	D	25.5
NR n77(PC2)	<u>E</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) overlaps the frequency band of NR Band n41 (frequency range: 2496–2690 MHz) and uses the same channel bandwidth.

In addition, because the maximum tune-up limit is higher than NR Band n41 (27.0 dBm) than NR Band n38 (25.0 dBm), NR Band n38 can be covered by NR Band n41.

NR Band n41(NSA, PC2) (ANT F)

NR Band n41(NSA, PC2, Frequency range : 2496-2690 MHz) is covered by NR Band n41(SA, PC2) (Frequency range: 2496-2690 MHz)) due to same frequency range, same channel bandwidth and maximum tune-up limit is higher than NR Band n41(NSA).

NR Band n41(NSA, PC2, SRS 2, 3, 4) (ANT B, ANT E, ANT C)

NR Band n41(NSA, PC2, Frequency range : 2496-2690 MHz) is covered by NR Band n41(SA, PC2) (Frequency range: 2496-2690 MHz)) due to same frequency range, same channel bandwidth and maximum tune-up limit is higher than NR Band n41(NSA).

NR Band n78 (PC2) (ANT E, A, F, C)

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	B	2510.00	20	QPSK	1	99
		2535.00			1	49
		2560.00			1	0
12	A	704.00	10	QPSK	1	0
		707.50			1	49
		711.00			1	0
13	A	779.50	5	QPSK	1	12
		782.00			1	0
		784.50			1	24
30	B	2310.00	10	QPSK	1	0
41 (PC3)	F	2506.00	20	QPSK	1	0
		2593.00			1	49
		2680.00			1	0
66	F	1717.50	15	QPSK	1	74
		1745.00			1	74
		1772.50			1	74
71	A	670.50	15	QPSK	1	0
		680.50			1	0
		690.50			1	0
NR Band	ANT	Frequency (MHz)	Bandwidth (MHz)	Modulation	RB size	RB offset
7	B	2525.00	50	DFT-s OFDM QPSK	1	135
		2535.00			1	268
		2545.00			1	135
12	A	706.50	15	DFT-s OFDM QPSK	1	77
		707.50			1	77
		708.50			1	77
30	B	2307.50	5	DFT-s OFDM QPSK	1	23
		2310.00			1	1
		2312.50			1	1
41 (PC2)	B	2546.01	100	DFT-s OFDM QPSK	1	1
		2592.99			1	1
		2640.00			1	1
66	F	1730.00	40	DFT-s OFDM QPSK	1	214
		1745.00			1	214
		1760.00			1	214
70	F	1700.00	10	DFT-s OFDM QPSK	1	25
		1702.50			1	50
		1705.00			1	25
71	A	665.50	5	DFT-s OFDM QPSK	1	23
		680.50			1	1
		695.50			1	1
77 (PC2) (3450 - 3550 MHz)	E	3499.98	100	DFT-s OFDM QPSK	1	1
77 (PC2) (3700 - 3980 MHz)	E	3745.02	90	DFT-s OFDM QPSK	1	1
		3840.00			1	243
		3934.98			1	1

● Radiated Spurious Emission

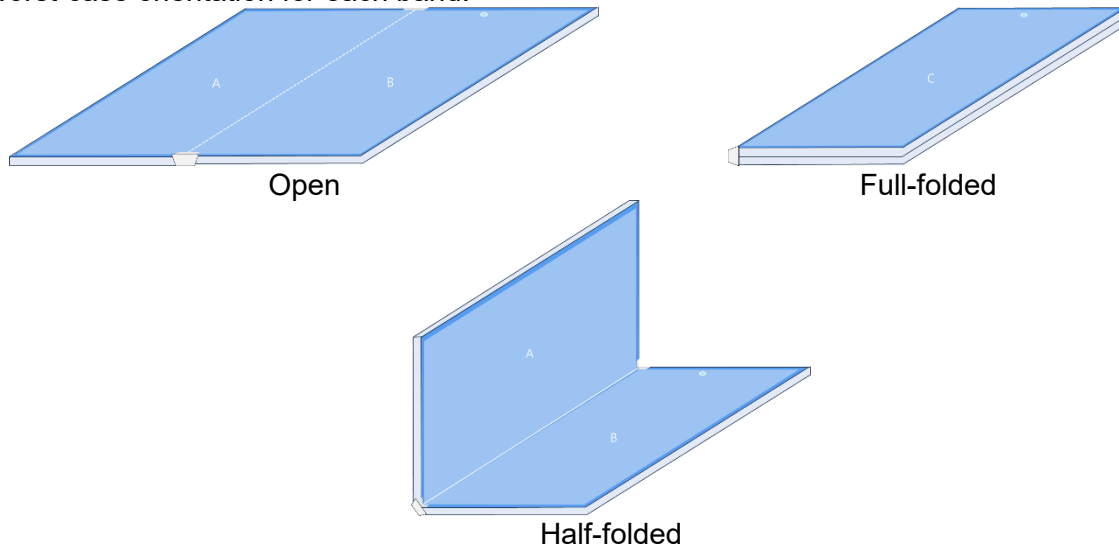
Highest ERP/ EIRP setting for each bands						
LTE Band	ANT	Frequency (MHz)	Bandwidth (MHz)	Modulation	RB size	RB offset
7	B	2510.00	20	QPSK	1	99
		2535.00			1	49
		2560.00			1	0
	F	2502.50	5	QPSK	1	12
		2535.00			1	12
		2567.50			1	12
12	A	704.00	10	QPSK	1	0
		707.50			1	49
		711.00			1	0
	D	704.00	10	QPSK	1	0
		707.50			1	49
		711.00			1	25
	A+B	701.50	5	QPSK	1	0
		707.50			1	0
		713.50			1	24
13	A	779.50	5	QPSK	1	12
		782.00			1	0
		784.50			1	24
	D	782.00	10	QPSK	1	0
	A+B	779.50	5	QPSK	1	12
		782.00			1	0
		784.50			1	24
30	B	2307.50	5	QPSK	1	0
		2310.00			1	0
		2312.50			1	0
	F	2307.50	5	QPSK	1	0
		2310.00			1	0
		2312.50			1	24
41 (PC3)	B	2506.00	20	QPSK	1	49
		2593.00			1	0
		2680.00			1	0
	F	2506.00	20	QPSK	1	0
		2593.00			1	49
		2680.00			1	0
66	B	1715.00	10	QPSK	1	49
		1745.00			1	49
		1775.00			1	49
	F	1717.50	15	QPSK	1	74
		1745.00			1	74
		1772.50			1	74
71	A	665.50	5	QPSK	1	24
		680.50			1	0
		695.50			1	12
	D	668.00	10	QPSK	1	25
		680.50			1	25
		693.00			1	49
	A+B	665.50	5	QPSK	1	24
		680.50			1	0
		695.50			1	12

NR Band	ANT	Frequency (MHz)	Bandwidth (MHz)	Modulation	RB size	RB offset
7	B	2525.00	50	DFT-s OFDM QPSK	1	135
		2535.00			1	268
		2545.00			1	135
	F	2512.50	25	DFT-s OFDM QPSK	1	131
		2535.00			1	1
		2557.50			1	66
12	A	706.50	15	DFT-s OFDM QPSK	1	77
		707.50			1	77
		708.50			1	77
	D	704.00	10	DFT-s OFDM QPSK	1	25
		707.50			1	25
		711.00			1	25
	A+B	706.50	15	DFT-s OFDM QPSK	1	77
		707.50			1	77
		708.50			1	77
30	B	2310.00	10	DFT-s OFDM QPSK	1	25
	F	2310.00	10	DFT-s OFDM QPSK	1	50
41 (PC2)	B	2518.50	45	DFT-s OFDM QPSK	1	60
		2592.99			1	117
		2667.48			1	117
41 SRS 2	F	2546.01	100	-	-	-
		2592.99			-	-
		2640.00			-	-
41 SRS 3	C	2546.01	100	-	-	-
		2592.99			-	-
		2640.00			-	-
41 SRS 4	E	2546.01	100	-	-	-
		2592.99			-	-
		2640.00			-	-
41 (PC2)	F	2518.50	45	DFT-s OFDM QPSK	1	1
		2592.99			1	117
		2667.48			1	117
41 SRS 2	B	2501.01	10	-	-	-
		2592.99			-	-
		2685.00			-	-
41 SRS 3	E	2518.50	45	-	-	-
		2592.99			-	-
		2667.48			-	-
41 SRS 4	C	2546.01	100	-	-	-
		2592.99			-	-
		2640.00			-	-

66	B	1732.50	45	DFT-s OFDM QPSK	1	1
		1745.00			1	1
		1757.50			1	1
	F	1730.00	40	DFT-s OFDM QPSK	1	214
		1745.00			1	214
		1760.00			1	214
70	B	1697.50	5	DFT-s OFDM QPSK	1	23
		1702.50			1	12
		1707.50			1	1
	F	1700.00	10	DFT-s OFDM QPSK	1	25
		1702.50			1	50
		1705.00			1	25
71	A	665.50	5	DFT-s OFDM QPSK	1	23
		680.50			1	1
		695.50			1	1
	D	673.00	20	DFT-s OFDM QPSK	1	104
		680.50			1	1
		688.00			1	52
	A+B	673.00	20	DFT-s OFDM QPSK	1	104
		680.50			1	52
		688.00			1	1
77 (PC2) (3450 - 3550 MHz)	E	3475.02	50	DFT-s OFDM QPSK	1	66
		3499.98			1	1
		3525.00			1	131
77 (3450 - 3550 MHz) SRS 2	A	3499.98	100	-	-	-
77 (3450 - 3550 MHz) SRS 3	F	3499.98	100	-	-	-
77 (3450 - 3550 MHz) SRS 4	C	3495.00	90	-	-	-
		3499.98			-	-
		3504.99			-	-
77 (PC2) (3700 - 3980 MHz)	E	3705.00	10	DFT-s OFDM QPSK	1	22
		3840.00			1	1
		3975.00			1	22
77 (3700 - 3980 MHz) SRS 2	A	3750.00	100	-	-	-
		3840.00			-	-
		3930.00			-	-
77 (3700 - 3980 MHz) SRS 3	F	3750.00	100	-	-	-
		3840.00			-	-
		3930.00			-	-
77 (3700 - 3980 MHz) SRS 4	C	3750.00	100	-	-	-
		3840.00			-	-
		3930.00			-	-

Note1 : for radiated emission testing, EN-DC mode was 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 and folded conditions it was determined that below orientation was worst-case orientation for each band.



Band	ANT	ERP/EIRP			RSE		
		X	Y	Z	X	Y	Z
WCDMA B4	F	Open	-	-	Open	-	-
LTE B7	B	Open	-	-	Half-folded	-	-
	F	Full-folded	-	-	Full-folded	-	-
LTE B12	A	Full-folded	-	-	Full-folded	-	-
	A+B	Open	-	-	Half-folded	-	-
	D	Half-folded	-	-	Open	-	-
LTE B13	A	Full-folded	-	-	-	Full-folded	-
	A+B	Open	-	-	Open	-	-
	D	Open	-	-	Open	-	-
LTE B30	B	Open	-	-	Open	-	-
	F	Full-folded	-	-	-	-	Half-folded
LTE B41(PC3)	B	Open	-	-	-	Open	-
	F	Half-folded	-	-	-	Half-folded	-
LTE B66	B	Open	-	-	Full-folded	-	-
	F	Open	-	-	-	Full-folded	-
LTE B71	A	Full-folded	-	-	-	Full-folded	-
	A+B	Open	-	-	Full-folded	-	-
	D	Half-folded	-	-	-	Full-folded	-

NR n7	B	Open	-	-	Half-folded	-	-
	F	Full-folded	-	-	Full-folded	-	-
NR n12	A	Full-folded	-	-	Full-folded	-	-
	A+B	Open	-	-	Open	-	-
	D	Half-folded			Half-folded	-	-
NR n30	B	Open	-	-	-	-	Full-folded
	F	Full-folded	-	-	-	-	Open
NR n41(PC2, SA)	F	Half-folded	-	-	Full-folded	-	-
	B(SRS2)	Open	-	-	Open	-	-
	E(SRS3)	Half-folded	-	-	-	Open	-
	C(SRS4)	Open	-	-	Open	-	-
NR n41(PC2,SA) switching	B	Half-folded	-	-	Full-folded	-	-
	F(SRS2)	Half-folded	-	-	-	-	Full-folded
	C(SRS3)	Open	-	-	-	Full-folded	-
	E(SRS4)	-	Half-folded	-	-	-	Half-folded
NR n66	B	Open	-	-	Open	-	-
	F	Open	-	-	Full-folded	-	-
NR n70	B	Open	-	-	-	-	Half-folded
	F	Open	-	-	Half-folded	-	-
NR n71	A	Full-folded	-	-	Full-folded	-	-
	A+B	Open	-	-	Full-folded	-	-
	D	Half-folded			Full-folded	-	-
NR n77(PC2) (3450-3550 MHz)	E	-	-	Open	-	-	Half-folded
	A(SRS2)	-	-	Open	-	Open	-
	F(SRS3)	Open	-	-	-	-	Half-folded
	C(SRS4)	Open	-	-	-	Full-folded	-
NR n77(PC2) (3700-3980 MHz)	E	Open	-	-	Open	-	-
	A(SRS2)	Open	-	-	Open	-	-
	F(SRS3)	Open	-	-	Open	-	-
	C(SRS4)	Open	-	-	Half-folded	-	-

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

Note2 : Antenna switching-related actions according to foldable conditions were force operated and tested in factory mode.

Note 3: In this report, HF and FF denote Half-folded and Full-folded configurations, respectively.

5.5. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Support Equipment List				
Description	Manufacture	Model	Serial Number	FCC ID
Charger	SAMSUNG	EP-TA800	R37N3FS0G88DK3	N/A
Data Cable	SAMSUNG	N/A	N/A	N/A

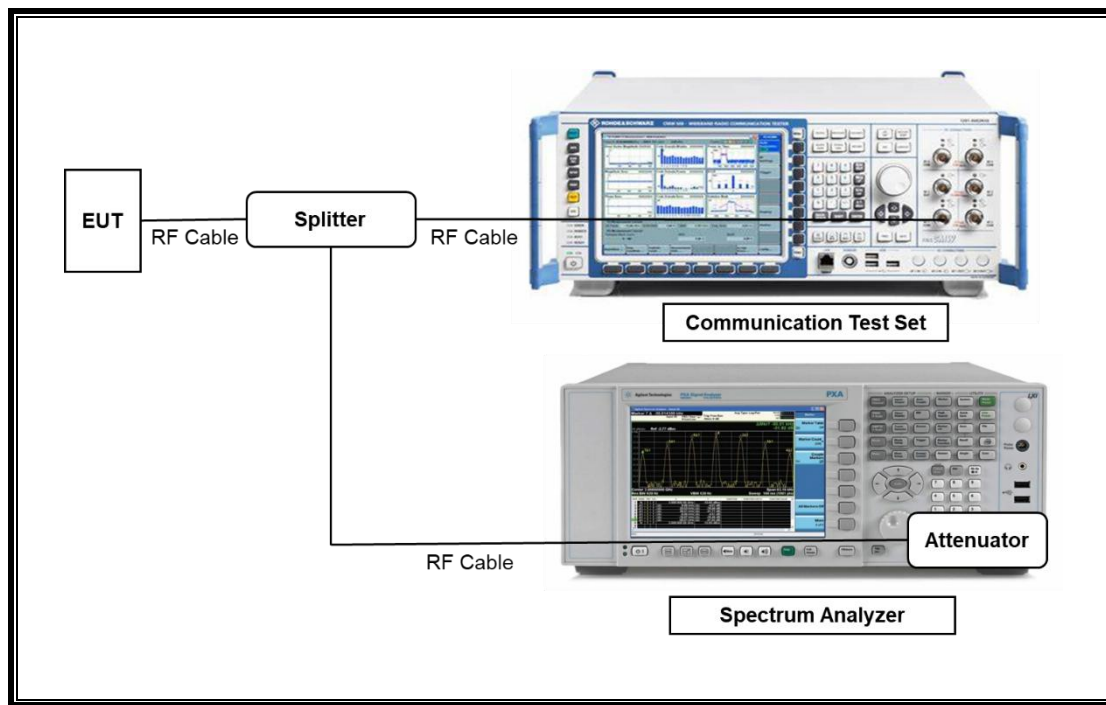
I/O CABLE

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

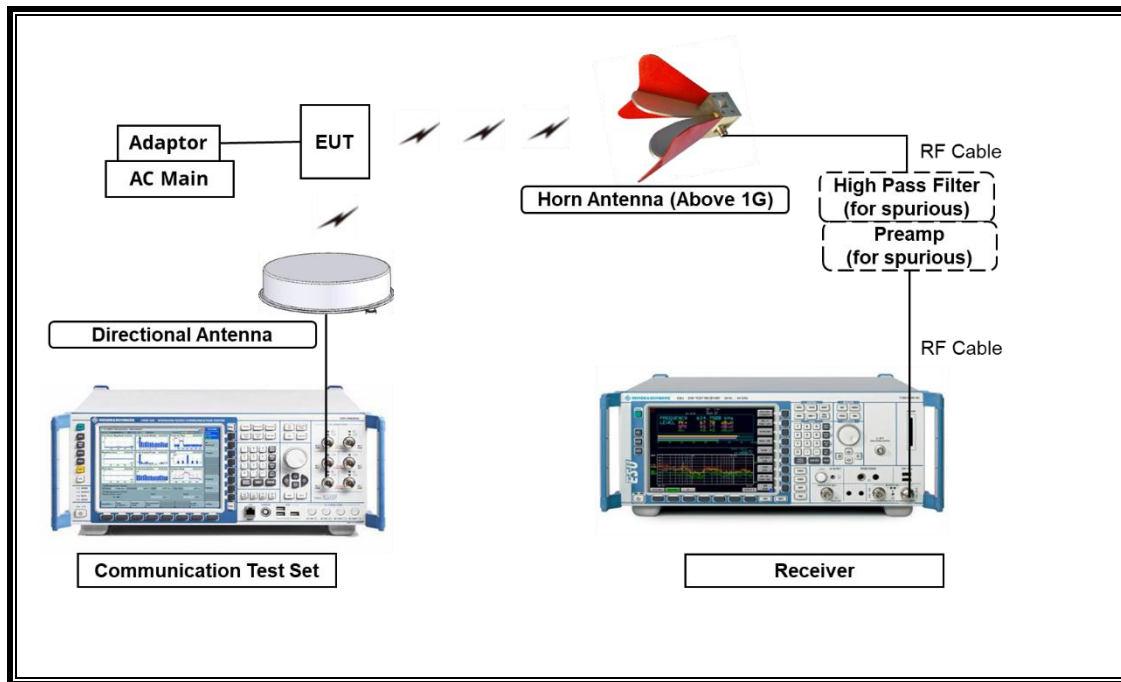
TEST SETUP

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

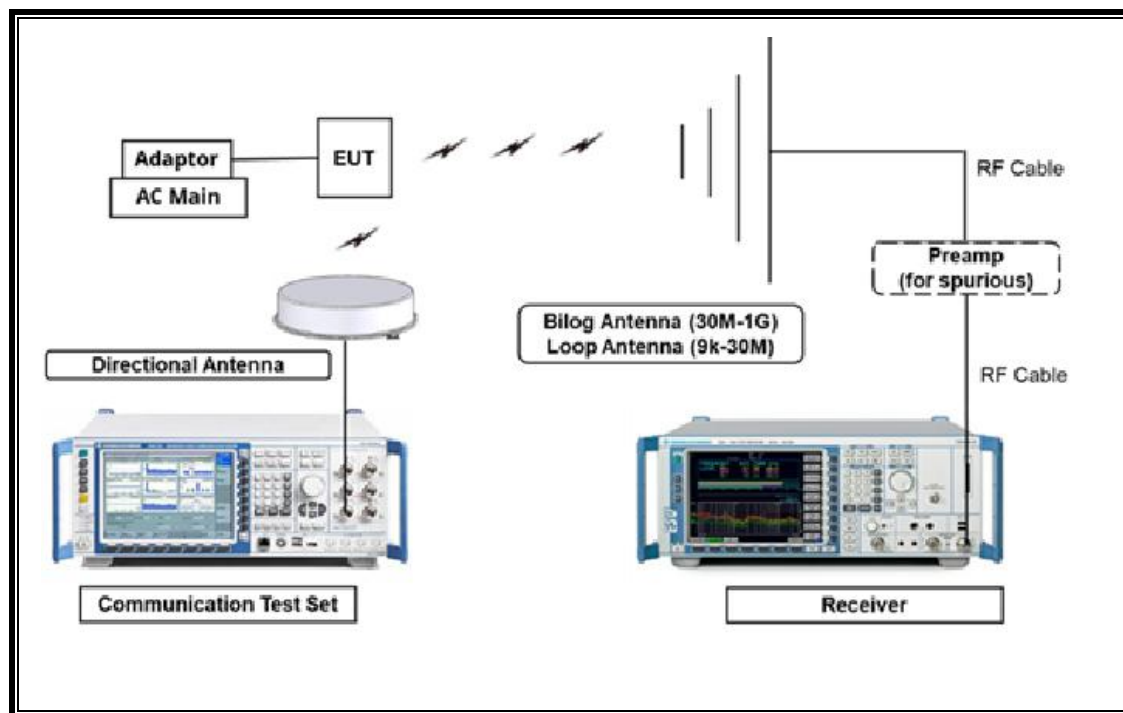
SETUP DIAGRAM FOR TESTS (CONDUCTED TEST SETUP)



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	KIKUSUI	PWR2001ML	AX001947	2026-07-23
Preamplifier, 18 GHz	Mteq	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	2026-12-29
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	2026-12-29
Power Splitter	MINI-CIRCUITS	WA1534	UL004	2027-01-06
UXM 5G Wireless Test Platform	KEYSIGHT	E7515B	MY57510655	2026-12-30
Notch Filter	MICRO-TRONICS	BRM50705-02	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 B4 (ANT F)

Mode		UL Ch No.	Freq. (MHz)	Measured Pwr
Release 99	Rel 99 (RMC, 12.2 kbps)	1312	1712.4	23.77
		1413	1732.6	23.68
		1513	1752.6	23.60
HSDPA	Subtest 1	1312	1712.4	22.65
		1413	1732.6	22.48
		1513	1752.6	22.47
	Subtest 2	1312	1712.4	22.57
		1413	1732.6	22.45
		1513	1752.6	22.41
	Subtest 3	1312	1712.4	22.01
		1413	1732.6	21.90
		1513	1752.6	21.81
	Subtest 4	1312	1712.4	22.01
		1413	1732.6	21.91
		1513	1752.6	21.85
HSUPA	Subtest 1	1312	1712.4	22.74
		1413	1732.6	22.68
		1513	1752.6	22.59
	Subtest 2	1312	1712.4	20.78
		1413	1732.6	20.83
		1513	1752.6	20.61
	Subtest 3	1312	1712.4	21.80
		1413	1732.6	21.72
		1513	1752.6	21.54
	Subtest 4	1312	1712.4	20.80
		1413	1732.6	20.73
		1513	1752.6	20.63
	Subtest 5	1312	1712.4	22.82
		1413	1732.6	22.74
		1513	1752.6	22.62
DC-HSDPA	Subtest 1	1312	1712.4	22.80
		1413	1732.6	22.70
		1513	1752.6	22.51
	Subtest 2	1312	1712.4	22.79
		1413	1732.6	22.81
		1513	1752.6	22.58
	Subtest 3	1312	1712.4	22.31
		1413	1732.6	22.24
		1513	1752.6	22.04
	Subtest 4	1312	1712.4	22.25
		1413	1732.6	22.26
		1513	1752.6	22.07

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	23.87	24.78	24.74
		1	49	24.58	24.81	24.71
		1	99	24.85	24.79	24.64
		100	0	23.89	23.82	23.74
	16QAM	1	0	23.21	22.95	23.74
		1	49	23.84	23.91	23.78
		1	99	23.82	23.94	23.75
		100	0	22.94	22.85	22.75
	64QAM	1	0	22.43	22.88	22.78
		1	49	22.77	22.85	22.94
		1	99	22.74	22.99	22.84
		100	0	21.90	21.85	21.76
	256QAM	1	0	19.15	19.89	19.94
		1	49	19.95	19.92	19.98
		1	99	19.87	19.97	19.85
		100	0	19.92	19.85	19.76
BW (MHz)	Mode	RB Allocation	RB offset	20825	21100	21375
				2507.50 MHz	2535.00 MHz	2562.50 MHz
15 MHz	QPSK	1	0	24.45	24.49	24.24
		1	37	24.69	24.49	24.28
		1	74	24.57	24.41	24.24
		75	0	23.74	23.54	23.42
	16QAM	1	0	23.41	23.72	23.55
		1	37	23.86	23.71	23.52
		1	74	23.76	23.59	23.41
		75	0	22.77	22.57	22.46
	64QAM	1	0	22.71	22.86	22.60
		1	37	22.85	22.77	22.53
		1	74	22.81	22.62	22.46
		75	0	21.78	21.58	21.49
	256QAM	1	0	19.27	19.79	19.73
		1	37	19.91	19.78	19.62
		1	74	19.93	19.69	19.52
		75	0	19.78	19.60	19.48

BW (MHz)	Mode	RB Allocation	RB offset	20800	21100	21400
				2505.00 MHz	2535.00 MHz	2565.00 MHz
10 MHz	QPSK	1	0	24.47	24.57	24.33
		1	25	24.69	24.55	24.32
		1	49	24.57	24.50	24.30
		50	0	23.72	23.58	23.47
	16QAM	1	0	23.43	23.83	23.66
		1	25	23.89	23.78	23.58
		1	49	23.77	23.72	23.50
		50	0	22.75	22.60	22.46
	64QAM	1	0	22.79	22.90	22.65
		1	25	22.92	22.82	22.55
		1	49	22.85	22.76	22.51
		50	0	21.78	21.61	21.48
	256QAM	1	0	19.31	19.83	19.60
		1	25	19.93	19.87	19.65
		1	49	19.85	19.67	19.45
		50	0	19.76	19.60	19.46
BW (MHz)	Mode	RB Allocation	RB offset	20775	21100	21425
				2502.50 MHz	2535.00 MHz	2567.50 MHz
5 MHz	QPSK	1	0	24.38	24.60	24.39
		1	12	24.49	24.68	24.45
		1	24	24.63	24.60	24.40
		25	0	23.75	23.62	23.43
	16QAM	1	0	23.13	23.83	23.64
		1	12	23.51	23.87	23.59
		1	24	23.74	23.78	23.64
		25	0	22.76	22.64	22.45
	64QAM	1	0	22.45	22.88	22.64
		1	12	22.76	22.95	22.68
		1	24	22.88	22.87	22.65
		25	0	21.79	21.68	21.48
	256QAM	1	0	19.08	19.75	19.62
		1	12	19.76	19.82	19.69
		1	24	19.88	19.71	19.57
		25	0	19.78	19.66	19.46

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	24.11	24.17	23.93
		1	49	24.11	24.13	23.79
		1	99	24.08	24.08	23.72
		100	0	23.18	23.08	22.94
	16QAM	1	0	23.26	23.42	23.02
		1	49	23.25	23.32	23.04
		1	99	23.25	23.19	22.93
		100	0	22.22	22.11	21.94
	64QAM	1	0	22.34	22.36	20.97
		1	49	22.42	22.39	22.09
		1	99	22.34	22.38	21.94
		100	0	21.00	21.14	20.96
	256QAM	1	0	19.30	19.35	19.28
		1	49	19.36	19.41	19.13
		1	99	19.34	19.28	19.13
		100	0	19.21	19.16	18.96
BW (MHz)	Mode	RB Allocation	RB offset	20825	21100	21375
				2507.50 MHz	2535.00 MHz	2562.50 MHz
15 MHz	QPSK	1	0	24.07	24.06	23.81
		1	37	24.16	24.02	23.76
		1	74	24.11	23.91	23.71
		75	0	23.12	23.02	22.85
	16QAM	1	0	23.39	23.41	23.13
		1	37	23.42	23.46	23.12
		1	74	23.29	23.28	23.07
		75	0	22.20	22.07	21.87
	64QAM	1	0	22.24	22.26	22.07
		1	37	22.26	22.22	22.08
		1	74	22.33	22.22	21.97
		75	0	21.21	21.09	20.90
	256QAM	1	0	19.17	19.26	19.07
		1	37	19.20	19.28	19.01
		1	74	19.20	19.16	18.89
		75	0	19.23	19.09	18.91

BW (MHz)	Mode	RB Allocation	RB offset	20800	21100	21400
				2505.00 MHz	2535.00 MHz	2565.00 MHz
10 MHz	QPSK	1	0	24.07	24.12	23.86
		1	25	24.00	24.11	23.90
		1	49	23.92	23.89	23.74
		50	0	23.13	23.08	22.87
	16QAM	1	0	23.40	23.43	23.27
		1	25	23.34	23.41	23.17
		1	49	23.40	23.21	22.97
		50	0	22.16	22.13	21.93
	64QAM	1	0	22.29	22.31	22.20
		1	25	22.39	22.30	22.01
		1	49	22.08	22.23	21.92
		50	0	21.19	21.10	20.92
	256QAM	1	0	19.15	19.26	19.04
		1	25	19.39	19.37	19.14
		1	49	19.22	19.19	19.01
		50	0	19.17	19.11	18.92
BW (MHz)	Mode	RB Allocation	RB offset	20775	21100	21425
				2502.50 MHz	2535.00 MHz	2567.50 MHz
5 MHz	QPSK	1	0	24.14	24.11	23.86
		1	12	24.20	24.20	23.96
		1	24	24.19	24.18	23.89
		25	0	23.14	23.07	22.83
	16QAM	1	0	23.35	23.52	23.36
		1	12	23.47	23.56	23.31
		1	24	23.56	23.66	23.42
		25	0	22.19	22.11	21.91
	64QAM	1	0	22.17	22.25	22.09
		1	12	22.24	22.27	22.22
		1	24	22.34	22.48	22.15
		25	0	21.17	21.15	20.88
	256QAM	1	0	19.16	19.21	18.93
		1	12	19.30	19.40	19.05
		1	24	19.25	19.33	18.97
		25	0	19.21	19.11	18.91

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	24.57	24.33	24.95
		1	25	24.41	24.34	24.42
		1	49	24.18	24.44	24.46
		50	0	23.49	23.42	23.38
	16QAM	1	0	23.72	23.18	23.65
		1	25	23.33	23.15	23.64
		1	49	23.55	23.44	23.73
		50	0	22.57	22.45	22.41
	64QAM	1	0	22.84	22.37	22.46
		1	25	22.24	22.95	22.47
		1	49	22.74	22.77	22.55
		50	0	21.41	21.50	21.55
	256QAM	1	0	19.40	19.72	19.24
		1	25	19.61	19.30	19.50
		1	49	19.83	19.68	19.59
		50	0	19.39	19.53	19.36
BW (MHz)	Mode	RB Allocation	RB offset	23035	23095	23155
				701.50 MHz	707.50 MHz	713.50 MHz
5 MHz	QPSK	1	0	24.68	24.63	24.31
		1	12	24.40	24.53	24.44
		1	24	24.49	24.22	24.59
		25	0	23.44	23.37	23.48
	16QAM	1	0	23.96	23.62	23.81
		1	12	23.53	23.58	23.52
		1	24	23.20	23.65	23.54
		25	0	22.45	22.48	22.50
	64QAM	1	0	22.44	22.55	23.01
		1	12	22.47	22.45	22.75
		1	24	22.32	22.36	22.57
		25	0	21.49	21.42	21.79
	256QAM	1	0	19.51	19.19	19.57
		1	12	19.28	19.33	19.82
		1	24	19.40	19.27	19.61
		25	0	19.41	19.36	19.41

BW (MHz)	Mode	RB Allocation	RB offset	23025	23095	23165
				700.50 MHz	707.50 MHz	714.50 MHz
3 MHz	QPSK	1	0	24.26	24.36	24.60
		1	8	24.29	24.41	24.47
		1	14	24.12	24.33	24.44
		15	0	23.51	23.34	23.50
	16QAM	1	0	23.48	23.33	23.65
		1	8	23.61	23.89	23.47
		1	14	23.09	23.63	23.37
		15	0	22.42	22.34	22.46
	64QAM	1	0	22.59	22.36	22.36
		1	8	22.49	22.85	22.98
		1	14	22.45	22.36	22.53
		15	0	21.49	21.35	21.57
	256QAM	1	0	19.44	19.54	19.68
		1	8	19.41	20.19	19.29
		1	14	19.50	19.32	19.73
		15	0	19.43	19.34	19.44
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	24.46	24.25	24.48
		1	3	24.31	24.17	24.42
		1	5	24.15	24.28	24.41
		6	0	23.32	23.48	23.54
	16QAM	1	0	23.33	23.30	23.70
		1	3	23.18	23.68	23.62
		1	5	23.25	23.52	23.91
		6	0	22.36	22.47	22.58
	64QAM	1	0	22.61	22.36	22.81
		1	3	22.60	22.61	22.14
		1	5	22.43	22.71	22.97
		6	0	21.41	21.30	21.67
	256QAM	1	0	19.75	19.59	19.76
		1	3	18.85	19.42	19.42
		1	5	19.75	19.90	19.67
		6	0	19.15	19.22	19.64

LTE Band 12 (ANT D)

BW (MHz)	Mode	RB Allocation	RB offset	23060	23095	23130
				704.00 MHz	707.50 MHz	711.00 MHz
10 MHz	QPSK	1	0	24.89	24.43	24.14
		1	25	24.22	24.06	24.72
		1	49	24.12	24.66	24.55
		50	0	23.33	23.54	23.68
	16QAM	1	0	23.86	23.30	23.16
		1	25	23.78	23.17	23.97
		1	49	23.03	23.78	23.87
		50	0	22.42	22.56	22.66
	64QAM	1	0	22.89	22.76	22.40
		1	25	22.38	22.23	22.71
		1	49	22.25	22.88	22.69
		50	0	21.40	21.58	21.73
	256QAM	1	0	19.97	19.53	19.07
		1	25	19.56	19.18	19.51
		1	49	18.92	19.63	19.64
		50	0	19.87	19.75	19.75
BW (MHz)	Mode	RB Allocation	RB offset	23035	23095	23155
				701.50 MHz	707.50 MHz	713.50 MHz
5 MHz	QPSK	1	0	24.87	24.09	24.12
		1	12	24.77	24.10	24.23
		1	24	24.14	24.07	24.02
		25	0	22.97	23.82	21.53
	16QAM	1	0	23.87	23.14	23.27
		1	12	23.81	23.45	23.79
		1	24	23.57	23.10	23.39
		25	0	21.96	22.80	20.51
	64QAM	1	0	22.88	21.87	22.92
		1	12	22.79	22.17	22.93
		1	24	22.78	22.27	22.66
		25	0	20.56	21.76	20.34
	256QAM	1	0	19.81	18.72	19.93
		1	12	19.89	19.17	19.75
		1	24	19.13	19.10	19.93
		25	0	19.32	19.90	19.70

BW (MHz)	Mode	RB Allocation	RB offset	23025	23095	23165
				700.50 MHz	707.50 MHz	714.50 MHz
3 MHz	QPSK	1	0	24.57	23.95	24.67
		1	8	24.84	24.18	24.94
		1	14	24.62	24.18	24.43
		15	0	23.04	23.76	23.47
	16QAM	1	0	23.98	23.20	23.92
		1	8	23.82	23.26	23.93
		1	14	23.63	23.11	23.66
		15	0	22.24	22.85	22.70
	64QAM	1	0	22.79	22.16	22.56
		1	8	22.72	22.38	22.67
		1	14	22.89	21.79	22.48
		15	0	21.10	21.89	21.95
	256QAM	1	0	19.93	19.17	19.95
		1	8	19.64	19.31	19.67
		1	14	19.86	19.51	19.54
		15	0	19.20	19.81	19.72
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	24.72	23.99	24.71
		1	3	24.86	23.66	24.55
		1	5	24.32	24.02	24.53
		6	0	23.01	23.79	23.58
	16QAM	1	0	23.38	23.34	23.70
		1	3	23.54	23.12	23.85
		1	5	23.76	23.43	23.37
		6	0	22.15	22.76	22.67
	64QAM	1	0	22.56	22.29	22.98
		1	3	22.97	22.30	22.98
		1	5	22.83	22.15	22.91
		6	0	20.78	21.95	21.69
	256QAM	1	0	19.72	19.06	19.81
		1	3	19.96	19.33	19.80
		1	5	19.98	19.09	19.53
		6	0	18.93	19.87	19.66

LTE Band 13 (ANT A)

BW (MHz)	Mode	RB Allocation	RB offset		23230	
					782.00 MHz	
10 MHz	QPSK	1	0		24.73	
		1	25		24.58	
		1	49		24.49	
		50	0		23.73	
	16QAM	1	0		23.64	
		1	25		23.89	
		1	49		23.81	
		50	0		22.80	
	64QAM	1	0		22.76	
		1	25		23.30	
		1	49		22.64	
		50	0		21.82	
	256QAM	1	0		20.12	
		1	25		19.83	
		1	49		19.52	
		50	0		19.89	
BW (MHz)	Mode	RB Allocation	RB offset	23205	23230	23255
				779.50 MHz	782.00 MHz	784.50 MHz
5 MHz	QPSK	1	0	24.54	24.82	24.65
		1	12	24.99	24.71	24.67
		1	24	24.65	24.43	24.71
		25	0	23.82	23.70	23.56
	16QAM	1	0	23.97	23.76	23.96
		1	12	23.94	23.91	23.47
		1	24	23.53	23.86	23.69
		25	0	22.73	22.85	22.68
	64QAM	1	0	23.10	22.65	22.98
		1	12	22.93	22.37	22.97
		1	24	22.71	22.88	22.69
		25	0	21.79	21.84	21.66
	256QAM	1	0	20.04	19.93	20.17
		1	12	19.46	19.66	20.01
		1	24	19.76	19.74	19.87
		25	0	19.83	19.78	19.61

LTE Band 13 (ANT D)

BW (MHz)	Mode	RB Allocation	RB offset		23230	
					782.00 MHz	
10 MHz	QPSK	1	0		23.65	
		1	25		23.54	
		1	49		23.51	
		50	0		22.87	
	16QAM	1	0		22.76	
		1	25		22.38	
		1	49		22.52	
		50	0		21.77	
	64QAM	1	0		21.77	
		1	25		21.81	
		1	49		21.70	
		50	0		20.95	
	256QAM	1	0		19.04	
		1	25		19.05	
		1	49		17.90	
		50	0		18.87	
BW (MHz)	Mode	RB Allocation	RB offset	23205	23230	23255
				779.50 MHz	782.00 MHz	784.50 MHz
5 MHz	QPSK	1	0	23.17	23.64	23.54
		1	12	23.63	23.75	23.23
		1	24	23.68	23.31	23.56
		25	0	22.78	22.75	22.70
	16QAM	1	0	22.64	22.80	23.13
		1	12	22.75	22.93	22.35
		1	24	22.26	22.12	22.32
		25	0	21.68	21.78	21.69
	64QAM	1	0	21.63	22.11	22.31
		1	12	21.91	22.22	21.03
		1	24	21.63	21.31	22.22
		25	0	20.94	20.70	20.55
	256QAM	1	0	19.13	18.56	18.96
		1	12	19.05	18.82	18.85
		1	24	18.35	17.99	18.65
		25	0	18.91	18.83	18.79

LTE Band 30 (ANT B)

BW (MHz)	Mode	RB Allocation	RB offset		27710	
					2310.00 MHz	
10 MHz	QPSK	1	0		24.11	
		1	25		24.01	
		1	49		23.45	
		50	0		23.03	
	16QAM	1	0		23.16	
		1	25		23.12	
		1	49		22.74	
		50	0		21.89	
	64QAM	1	0		22.47	
		1	25		22.47	
		1	49		21.86	
		50	0		21.11	
	256QAM	1	0		19.43	
		1	25		19.47	
		1	49		18.87	
		50	0		19.27	
BW (MHz)	Mode	RB Allocation	RB offset	27685	27710	27735
				2307.50 MHz	2310.00 MHz	2312.50 MHz
5 MHz	QPSK	1	0	23.88	23.97	23.84
		1	12	23.78	23.80	23.68
		1	24	23.65	23.46	23.75
		25	0	22.89	22.93	22.90
	16QAM	1	0	22.90	22.92	22.84
		1	12	22.83	22.79	22.69
		1	24	22.64	22.51	22.70
		25	0	21.82	21.77	21.90
	64QAM	1	0	22.04	22.13	22.09
		1	12	21.99	22.24	22.11
		1	24	21.91	21.77	21.95
		25	0	21.01	20.70	20.91
	256QAM	1	0	18.97	18.95	18.94
		1	12	18.85	18.96	18.91
		1	24	18.74	18.51	18.72
		25	0	18.94	18.89	18.91

LTE Band 30 (ANT F)

BW (MHz)	Mode	RB Allocation	RB offset		27710	
					2310.00 MHz	
10 MHz	QPSK	1	0		24.05	
		1	25		24.07	
		1	49		23.93	
		50	0		22.95	
	16QAM	1	0		23.24	
		1	25		23.34	
		1	49		23.22	
		50	0		21.94	
	64QAM	1	0		22.24	
		1	25		22.22	
		1	49		22.12	
		50	0		21.02	
	256QAM	1	0		19.15	
		1	25		19.23	
		1	49		19.04	
		50	0		18.99	
BW (MHz)	Mode	RB Allocation	RB offset	27685	27710	27735
				2307.50 MHz	2310.00 MHz	2312.50 MHz
5 MHz	QPSK	1	0	23.74	23.68	23.74
		1	12	23.72	23.67	23.72
		1	24	23.70	23.64	23.75
		25	0	22.67	22.64	22.60
	16QAM	1	0	23.04	23.04	23.17
		1	12	22.99	22.96	23.14
		1	24	23.03	23.04	23.20
		25	0	21.68	21.66	21.60
	64QAM	1	0	21.94	21.83	22.07
		1	12	21.88	21.86	22.02
		1	24	21.88	21.95	22.01
		25	0	20.73	20.64	20.63
	256QAM	1	0	18.80	18.72	18.78
		1	12	18.76	18.80	18.86
		1	24	18.75	18.65	18.69
		25	0	18.68	18.62	18.60

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	24.42	24.36	24.35
		1	49	24.54	24.33	24.29
		1	99	24.38	24.03	24.01
		100	0	23.45	23.20	23.17
	16QAM	1	0	23.74	23.10	23.30
		1	49	23.46	23.44	23.42
		1	99	23.60	23.29	23.29
		100	0	22.44	22.25	22.18
	64QAM	1	0	22.47	22.52	22.16
		1	49	22.71	22.67	22.34
		1	99	22.59	21.89	22.14
		100	0	21.34	21.22	21.29
	256QAM	1	0	19.67	19.21	19.42
		1	49	19.62	19.84	19.71
		1	99	19.52	19.18	19.22
		100	0	19.41	19.22	19.16
BW (MHz)	Mode	RB Allocation	RB offset	39725	40620	41515
				2503.50 MHz	2593.00 MHz	2682.50 MHz
15 MHz	QPSK	1	0	24.21	24.27	24.28
		1	37	24.53	24.18	24.25
		1	74	24.21	23.93	24.04
		75	0	23.34	23.24	23.16
	16QAM	1	0	23.59	23.34	23.60
		1	37	23.56	23.03	23.46
		1	74	23.40	23.35	23.31
		75	0	22.43	22.40	22.10
	64QAM	1	0	22.89	22.52	22.45
		1	37	22.51	22.59	22.18
		1	74	22.31	22.37	22.28
		75	0	21.49	21.26	21.15
	256QAM	1	0	19.58	19.35	19.49
		1	37	19.46	19.52	19.41
		1	74	19.44	19.20	19.08
		75	0	19.45	19.22	19.23

BW (MHz)	Mode	RB Allocation	RB offset	39700	40620	41540
				2501.00 MHz	2593.00 MHz	2685.00 MHz
10 MHz	QPSK	1	0	24.17	24.34	24.19
		1	25	24.10	24.20	24.11
		1	49	24.12	24.18	24.04
		50	0	23.36	23.32	23.13
	16QAM	1	0	23.35	23.33	23.23
		1	25	23.55	23.48	23.35
		1	49	23.69	23.48	23.16
		50	0	22.43	22.32	22.23
	64QAM	1	0	22.53	22.43	22.72
		1	25	22.85	22.41	22.31
		1	49	22.46	22.26	22.19
		50	0	21.43	21.30	21.17
	256QAM	1	0	19.68	19.33	19.46
		1	25	19.61	19.50	19.05
		1	49	19.33	19.38	19.07
		50	0	19.34	19.30	19.11
BW (MHz)	Mode	RB Allocation	RB offset	39675	40620	41565
				2498.50 MHz	2593.00 MHz	2687.50 MHz
5 MHz	QPSK	1	0	24.30	24.15	24.09
		1	12	24.36	24.34	24.10
		1	24	24.20	24.12	24.00
		25	0	23.32	23.25	23.11
	16QAM	1	0	23.73	23.10	23.16
		1	12	23.50	23.12	23.36
		1	24	23.54	23.26	23.22
		25	0	22.50	22.26	22.09
	64QAM	1	0	22.74	22.15	22.33
		1	12	22.67	22.50	22.34
		1	24	22.66	22.41	22.17
		25	0	21.33	21.30	21.10
	256QAM	1	0	19.53	19.30	19.05
		1	12	19.60	19.44	19.27
		1	24	19.69	19.44	19.10
		25	0	19.43	19.19	19.14

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	24.62	24.26	24.30
		1	49	24.51	24.46	24.27
		1	99	24.61	24.05	24.15
		100	0	23.49	23.16	23.22
	16QAM	1	0	23.57	23.29	23.51
		1	49	23.87	23.36	23.60
		1	99	23.64	23.19	23.21
		100	0	22.55	22.17	22.16
	64QAM	1	0	22.89	22.42	22.21
		1	49	22.82	22.47	22.75
		1	99	22.76	22.27	22.31
		100	0	21.45	21.20	21.24
	256QAM	1	0	19.52	19.51	19.54
		1	49	19.90	19.42	19.27
		1	99	19.73	18.75	19.20
		100	0	19.51	19.06	19.23
BW (MHz)	Mode	RB Allocation	RB offset	39725	40620	41515
				2503.50 MHz	2593.00 MHz	2682.50 MHz
15 MHz	QPSK	1	0	24.55	24.17	24.29
		1	37	24.43	24.17	24.33
		1	74	24.52	23.99	24.01
		75	0	23.54	23.18	23.26
	16QAM	1	0	23.53	23.29	23.55
		1	37	23.73	23.45	23.29
		1	74	23.70	23.28	23.46
		75	0	22.50	22.21	22.28
	64QAM	1	0	22.74	22.39	22.53
		1	37	22.85	22.57	22.57
		1	74	22.86	22.59	22.42
		75	0	21.55	21.20	21.25
	256QAM	1	0	19.63	18.93	19.53
		1	37	19.76	19.25	19.45
		1	74	19.67	19.34	19.32
		75	0	19.50	19.19	19.25

BW (MHz)	Mode	RB Allocation	RB offset	39700	40620	41540
				2501.00 MHz	2593.00 MHz	2685.00 MHz
10 MHz	QPSK	1	0	24.28	24.32	24.26
		1	25	24.36	24.14	24.41
		1	49	24.40	24.15	24.18
		50	0	23.46	23.17	23.24
	16QAM	1	0	23.57	23.30	23.38
		1	25	23.51	23.45	23.33
		1	49	23.74	23.38	23.44
		50	0	22.46	22.35	22.22
	64QAM	1	0	22.72	22.44	22.44
		1	25	22.93	22.33	22.34
		1	49	22.65	22.25	22.30
		50	0	21.57	21.22	21.32
	256QAM	1	0	19.53	19.45	19.30
		1	25	19.72	19.28	19.42
		1	49	19.49	19.37	19.50
		50	0	19.47	19.24	19.19
BW (MHz)	Mode	RB Allocation	RB offset	39675	40620	41565
				2498.50 MHz	2593.00 MHz	2687.50 MHz
5 MHz	QPSK	1	0	24.55	24.14	24.34
		1	12	24.58	24.42	24.25
		1	24	24.49	24.16	24.26
		25	0	23.50	23.19	23.26
	16QAM	1	0	23.73	23.28	23.28
		1	12	23.57	23.30	23.48
		1	24	23.61	23.30	23.05
		25	0	22.48	22.20	22.30
	64QAM	1	0	22.64	22.38	22.38
		1	12	22.56	22.30	22.50
		1	24	22.76	22.27	22.43
		25	0	21.55	21.24	21.26
	256QAM	1	0	19.90	19.32	19.33
		1	12	19.78	19.24	19.46
		1	24	19.44	19.29	19.34
		25	0	19.53	19.19	19.27

LTE Band 66 (ANT B)

BW (MHz)	Mode	RB Allocation	RB offset	132072	132322	132572
				1720.00 MHz	1745.00 MHz	1770.00 MHz
20 MHz	QPSK	1	0	23.81	24.30	24.16
		1	49	24.18	24.19	23.81
		1	99	24.13	24.43	23.87
		100	0	23.18	23.12	23.09
	16QAM	1	0	22.77	22.79	23.04
		1	49	23.21	23.17	23.38
		1	99	23.31	22.98	23.02
		100	0	22.23	22.15	21.96
	64QAM	1	0	22.23	22.20	22.56
		1	49	22.36	22.58	22.33
		1	99	22.82	22.15	22.28
		100	0	21.32	21.01	21.16
	256QAM	1	0	19.42	19.29	19.32
		1	49	19.09	19.16	18.62
		1	99	19.18	19.45	19.10
		100	0	19.17	19.09	19.06
BW (MHz)	Mode	RB Allocation	RB offset	132047	132322	132597
				1717.50 MHz	1745.00 MHz	1772.50 MHz
15 MHz	QPSK	1	0	24.35	24.02	24.07
		1	37	23.95	24.24	23.87
		1	74	24.38	24.49	24.18
		75	0	23.08	23.15	23.06
	16QAM	1	0	22.70	23.37	23.46
		1	37	23.61	23.21	23.18
		1	74	23.11	23.46	22.85
		75	0	22.18	22.30	21.99
	64QAM	1	0	22.60	22.41	22.26
		1	37	22.17	22.32	22.18
		1	74	22.41	22.15	21.93
		75	0	21.17	21.07	21.08
	256QAM	1	0	19.17	19.18	19.50
		1	37	19.01	19.16	19.28
		1	74	19.24	19.14	18.96
		75	0	19.14	19.07	19.05
BW (MHz)	Mode	RB Allocation	RB offset	132022	132322	132622
				1715.00 MHz	1745.00 MHz	1775.00 MHz
10 MHz	QPSK	1	0	24.26	24.04	23.86
		1	25	24.07	23.84	23.98
		1	49	24.44	24.16	24.28
		50	0	23.19	22.99	22.94
	16QAM	1	0	23.32	23.13	23.06
		1	25	23.03	23.40	23.09
		1	49	23.13	23.10	22.72
		50	0	22.21	22.00	21.89
	64QAM	1	0	22.42	22.13	21.95
		1	25	21.87	22.34	21.97
		1	49	22.15	22.39	22.24
		50	0	21.22	21.09	21.06
	256QAM	1	0	18.85	19.24	19.08
		1	25	19.05	18.73	18.67
		1	49	19.47	18.67	19.11
		50	0	19.10	19.41	18.94

BW (MHz)	Mode	RB Allocation	RB offset	131997	132322	132647
				1712.50 MHz	1745.00 MHz	1777.50 MHz
5 MHz	QPSK	1	0	24.20	24.16	24.01
		1	12	24.08	24.20	23.91
		1	24	24.29	24.03	23.89
		25	0	23.18	23.12	23.09
	16QAM	1	0	23.45	23.48	23.45
		1	12	22.96	23.24	23.30
		1	24	23.02	23.00	23.34
		25	0	22.21	22.12	22.03
	64QAM	1	0	22.21	22.33	22.23
		1	12	22.48	22.58	22.03
		1	24	21.99	22.40	21.97
		25	0	21.13	21.10	21.02
	256QAM	1	0	18.87	19.39	19.17
		1	12	19.07	19.26	18.99
		1	24	18.86	19.44	18.90
		25	0	19.24	19.05	19.00
BW (MHz)	Mode	RB Allocation	RB offset	131987	132322	132657
				1711.50 MHz	1745.00 MHz	1778.50 MHz
3 MHz	QPSK	1	0	24.07	24.27	23.87
		1	8	24.21	24.01	24.12
		1	14	24.02	23.89	23.77
		15	0	23.06	23.13	22.92
	16QAM	1	0	23.08	23.16	22.98
		1	8	23.16	23.34	23.25
		1	14	23.27	22.98	22.88
		15	0	22.14	22.07	22.01
	64QAM	1	0	22.13	22.15	22.08
		1	8	22.33	22.63	22.43
		1	14	22.53	22.22	22.07
		15	0	21.14	21.14	20.84
	256QAM	1	0	18.98	19.25	18.98
		1	8	19.24	19.42	19.12
		1	14	18.74	19.18	18.90
		15	0	19.08	19.23	18.85
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	24.03	24.24	23.98
		1	3	24.07	24.16	23.84
		1	5	23.99	24.21	23.95
		6	0	22.97	23.09	22.84
	16QAM	1	0	23.39	23.48	23.06
		1	3	23.22	23.45	23.35
		1	5	23.08	23.41	23.16
		6	0	22.03	22.21	21.84
	64QAM	1	0	21.87	22.41	22.09
		1	3	22.46	22.63	21.86
		1	5	22.16	22.57	22.39
		6	0	21.10	21.22	21.11
	256QAM	1	0	19.18	19.07	18.52
		1	3	19.02	18.82	19.17
		1	5	18.53	19.38	18.51
		6	0	18.99	19.13	18.87

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	24.51	24.60	24.46
		1	49	24.48	24.49	24.11
		1	99	24.43	24.73	24.17
		100	0	23.48	23.42	23.39
	16QAM	1	0	23.07	23.09	23.34
		1	49	23.51	23.47	23.68
		1	99	23.61	23.28	23.32
		100	0	22.53	22.45	22.26
	64QAM	1	0	22.53	22.50	22.86
		1	49	22.66	22.88	22.63
		1	99	22.54	22.45	22.58
		100	0	21.62	21.31	21.46
	256QAM	1	0	19.72	19.59	19.62
		1	49	19.39	19.46	18.92
		1	99	19.48	19.75	19.40
		100	0	19.47	19.39	19.36
BW (MHz)	Mode	RB Allocation	RB offset	132047	132322	132597
				1717.50 MHz	1745.00 MHz	1772.50 MHz
15 MHz	QPSK	1	0	24.65	24.32	24.37
		1	37	24.25	24.54	24.17
		1	74	24.68	24.79	24.48
		75	0	23.38	23.45	23.36
	16QAM	1	0	23.00	23.67	23.76
		1	37	23.91	23.51	23.48
		1	74	23.41	23.76	23.15
		75	0	22.48	22.60	22.29
	64QAM	1	0	22.90	22.71	22.56
		1	37	22.47	22.62	22.48
		1	74	22.71	22.45	22.23
		75	0	21.47	21.37	21.38
	256QAM	1	0	19.47	19.48	19.80
		1	37	19.31	19.46	19.58
		1	74	19.54	19.44	19.26
		75	0	19.44	19.37	19.35
BW (MHz)	Mode	RB Allocation	RB offset	132022	132322	132622
				1715.00 MHz	1745.00 MHz	1775.00 MHz
10 MHz	QPSK	1	0	24.56	24.34	24.16
		1	25	24.37	24.14	24.28
		1	49	24.74	24.46	24.58
		50	0	23.49	23.29	23.24
	16QAM	1	0	23.62	23.43	23.36
		1	25	23.33	23.70	23.39
		1	49	23.43	23.40	23.02
		50	0	22.51	22.30	22.19
	64QAM	1	0	22.72	22.43	22.25
		1	25	22.17	22.64	22.27
		1	49	22.45	22.69	22.54
		50	0	21.52	21.39	21.36
	256QAM	1	0	19.15	19.54	19.38
		1	25	19.35	19.37	18.97
		1	49	19.77	18.97	19.41
		50	0	19.40	19.71	19.24

BW (MHz)	Mode	RB Allocation	RB offset	131997	132322	132647
				1712.50 MHz	1745.00 MHz	1777.50 MHz
5 MHz	QPSK	1	0	24.50	24.46	24.31
		1	12	24.38	24.50	24.21
		1	24	24.59	24.33	24.19
		25	0	23.48	23.42	23.39
	16QAM	1	0	23.75	23.78	23.75
		1	12	23.26	23.54	23.60
		1	24	23.32	23.30	23.64
		25	0	22.51	22.42	22.33
	64QAM	1	0	22.51	22.63	22.53
		1	12	22.78	22.88	22.33
		1	24	22.29	22.70	22.27
		25	0	21.43	21.40	21.32
	256QAM	1	0	19.17	19.69	19.47
		1	12	19.37	19.56	19.29
		1	24	19.16	19.74	19.20
		25	0	19.54	19.35	19.30
BW (MHz)	Mode	RB Allocation	RB offset	131987	132322	132657
				1711.50 MHz	1745.00 MHz	1778.50 MHz
3 MHz	QPSK	1	0	24.37	24.57	24.17
		1	8	24.51	24.31	24.42
		1	14	24.32	24.19	24.07
		15	0	23.36	23.43	23.22
	16QAM	1	0	23.38	23.46	23.28
		1	8	23.46	23.64	23.55
		1	14	23.57	23.28	23.18
		15	0	22.44	22.37	22.31
	64QAM	1	0	22.43	22.45	22.38
		1	8	22.63	22.93	22.73
		1	14	22.83	22.52	22.37
		15	0	21.44	21.44	21.14
	256QAM	1	0	19.28	19.55	19.28
		1	8	19.54	19.72	19.42
		1	14	19.04	19.48	19.20
		15	0	19.38	19.53	19.15
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	24.33	24.54	24.28
		1	3	24.37	24.46	24.14
		1	5	24.29	24.51	24.25
		6	0	23.27	23.39	23.14
	16QAM	1	0	23.69	23.78	23.36
		1	3	23.52	23.75	23.65
		1	5	23.38	23.71	23.46
		6	0	22.33	22.51	22.14
	64QAM	1	0	22.17	22.71	22.39
		1	3	22.76	22.93	22.16
		1	5	22.46	22.87	22.69
		6	0	21.40	21.52	21.41
	256QAM	1	0	19.48	19.37	18.82
		1	3	19.32	19.12	19.47
		1	5	18.83	19.68	18.81
		6	0	19.29	19.43	19.17

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	24.35	24.59	24.63
		1	49	24.22	24.44	24.27
		1	99	24.23	24.28	24.28
		100	0	23.44	23.36	23.37
	16QAM	1	0	23.47	23.50	23.49
		1	49	23.78	23.53	23.57
		1	99	23.01	23.19	23.15
		100	0	22.51	22.39	22.35
	64QAM	1	0	22.10	22.86	23.12
		1	49	22.73	22.74	22.22
		1	99	22.48	22.54	22.61
		100	0	21.42	21.46	21.45
	256QAM	1	0	19.62	19.53	19.26
		1	49	19.43	19.44	19.78
		1	99	19.51	18.95	19.23
		100	0	19.44	19.39	19.30
BW (MHz)	Mode	RB Allocation	RB offset	133197	133297	133397
				670.50 MHz	680.50 MHz	690.50 MHz
15 MHz	QPSK	1	0	24.44	24.66	24.46
		1	37	24.28	24.17	24.35
		1	74	24.16	24.48	24.30
		75	0	23.37	23.44	23.29
	16QAM	1	0	23.87	23.66	23.78
		1	37	23.35	23.94	23.61
		1	74	23.87	23.27	23.20
		75	0	22.39	22.46	22.36
	64QAM	1	0	22.20	22.19	22.65
		1	37	22.34	23.02	22.33
		1	74	22.59	22.79	22.43
		75	0	21.54	21.44	21.41
	256QAM	1	0	19.36	19.40	19.56
		1	37	19.23	19.57	19.27
		1	74	19.35	19.31	19.21
		75	0	19.42	19.43	19.37

BW (MHz)	Mode	RB Allocation	RB offset	133172	133297	133422
				668.00 MHz	680.50 MHz	693.00 MHz
10 MHz	QPSK	1	0	24.45	24.20	24.65
		1	25	24.25	24.56	24.38
		1	49	24.21	24.35	24.13
		50	0	23.43	23.34	23.30
	16QAM	1	0	23.79	23.22	23.44
		1	25	23.37	23.94	23.32
		1	49	23.20	23.16	23.10
		50	0	22.47	22.52	22.31
	64QAM	1	0	22.60	22.96	22.61
		1	25	22.38	22.91	22.57
		1	49	22.77	22.40	22.53
		50	0	21.34	21.34	21.25
	256QAM	1	0	19.22	19.66	19.50
		1	25	19.70	19.03	19.25
		1	49	19.21	19.42	19.36
		50	0	19.35	19.42	19.26
BW (MHz)	Mode	RB Allocation	RB offset	133147	133297	133447
				665.50 MHz	680.50 MHz	695.50 MHz
5 MHz	QPSK	1	0	24.24	24.26	24.22
		1	12	24.41	24.23	24.24
		1	24	24.47	24.19	24.04
		25	0	23.37	23.37	23.32
	16QAM	1	0	23.80	23.58	23.49
		1	12	23.65	23.53	23.56
		1	24	23.88	23.15	23.37
		25	0	22.36	22.38	22.17
	64QAM	1	0	22.31	22.13	22.25
		1	12	22.61	23.17	22.58
		1	24	22.76	22.41	22.37
		25	0	21.42	21.39	21.39
	256QAM	1	0	19.32	19.56	19.59
		1	12	19.56	19.90	19.16
		1	24	19.33	19.36	19.49
		25	0	19.39	19.31	19.25

LTE Band 71 (ANT D)

BW (MHz)	Mode	RB Allocation	RB offset	133222	133297	133372
				673.00 MHz	680.50 MHz	688.00 MHz
20 MHz	QPSK	1	0	24.29	23.10	24.22
		1	49	23.17	24.13	23.18
		1	99	24.10	23.32	23.37
		100	0	23.30	23.17	23.20
	16QAM	1	0	23.27	21.84	23.41
		1	49	21.90	23.50	22.67
		1	99	23.51	22.42	22.75
		100	0	22.23	22.19	22.28
	64QAM	1	0	22.14	21.31	22.53
		1	49	21.29	22.32	21.87
		1	99	22.52	21.56	21.67
		100	0	21.47	21.16	21.21
	256QAM	1	0	19.21	18.31	19.20
		1	49	18.41	19.46	17.74
		1	99	19.37	19.72	18.51
		100	0	19.52	19.24	19.28
BW (MHz)	Mode	RB Allocation	RB offset	133197	133297	133397
				670.50 MHz	680.50 MHz	690.50 MHz
15 MHz	QPSK	1	0	24.28	23.47	23.97
		1	37	23.43	24.22	22.62
		1	74	24.14	22.76	23.42
		75	0	23.26	23.25	23.09
	16QAM	1	0	22.79	22.34	23.26
		1	37	22.78	23.49	21.83
		1	74	23.43	22.24	22.53
		75	0	22.34	22.31	22.20
	64QAM	1	0	22.11	21.23	22.61
		1	37	21.44	22.40	21.38
		1	74	22.07	21.01	21.41
		75	0	21.31	21.30	21.19
	256QAM	1	0	19.56	18.82	19.22
		1	37	18.63	19.58	17.50
		1	74	19.57	17.90	18.97
		75	0	19.35	19.26	19.00

BW (MHz)	Mode	RB Allocation	RB offset	133172	133297	133422
				668.00 MHz	680.50 MHz	693.00 MHz
10 MHz	QPSK	1	0	24.20	24.14	22.62
		1	25	24.38	24.43	22.77
		1	49	22.92	23.64	23.22
		50	0	23.28	23.26	23.06
	16QAM	1	0	23.41	23.28	22.00
		1	25	23.44	23.43	21.93
		1	49	22.39	22.77	22.53
		50	0	22.30	22.38	22.00
	64QAM	1	0	22.45	22.10	20.64
		1	25	22.13	22.35	20.99
		1	49	21.20	22.18	22.02
		50	0	21.22	21.17	21.04
	256QAM	1	0	19.30	18.83	17.56
		1	25	19.73	19.20	17.96
		1	49	17.80	18.61	18.57
		50	0	19.30	19.18	19.02
BW (MHz)	Mode	RB Allocation	RB offset	133147	133297	133447
				665.50 MHz	680.50 MHz	695.50 MHz
5 MHz	QPSK	1	0	24.09	24.34	22.78
		1	12	24.34	24.28	23.10
		1	24	24.16	23.97	23.10
		25	0	23.18	23.23	22.20
	16QAM	1	0	23.59	22.94	22.07
		1	12	23.37	23.32	22.43
		1	24	22.72	23.03	21.94
		25	0	22.30	22.29	21.43
	64QAM	1	0	22.54	22.48	20.92
		1	12	22.45	22.71	21.52
		1	24	22.44	22.17	21.62
		25	0	21.20	21.37	20.26
	256QAM	1	0	19.38	19.72	18.17
		1	12	19.80	19.78	18.86
		1	24	19.22	19.52	18.94
		25	0	19.28	19.20	18.62

NR Band n7 (ANT B)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	503500	507000	510500
					2517.50 MHz	2535.00 MHz	2552.50 MHz
50 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.69	23.33	23.34
			1	1	24.27	23.06	24.11
			1	135	24.29	24.10	24.12
			1	268	23.96	23.88	23.84
			1	269	23.03	23.25	23.11
			270	0	23.06	23.45	22.97
		QPSK	1	0	23.13	22.91	22.81
			1	1	24.25	24.15	24.14
			1	135	24.36	24.22	24.18
			1	268	24.07	24.31	23.87
			1	269	22.62	22.61	22.51
			270	0	23.11	23.05	23.02
		16QAM	1	0	21.90	21.72	21.62
			1	1	23.31	22.95	23.04
			1	135	23.28	22.96	23.03
			1	268	22.88	22.88	22.73
			1	269	21.52	21.43	21.70
			270	0	21.88	21.79	21.68
		64QAM	1	1	21.85	21.86	21.83
		256QAM	1	1	19.18	19.10	19.06
	CP-OFDM	QPSK	1	0	21.24	20.97	20.85
			1	1	22.88	22.63	22.51
			1	135	22.45	22.18	22.22
			1	268	22.29	22.13	22.03
			1	269	20.72	20.69	20.60
			270	0	20.89	20.75	20.66
		16QAM	1	0	21.00	20.66	20.65
			1	1	22.34	21.68	21.63
			1	135	21.86	21.86	21.41
			1	268	21.84	21.41	21.28
			1	269	20.71	20.53	20.38
			270	0	20.80	20.79	20.68
		64QAM	1	1	20.20	20.62	20.70
		256QAM	1	1	17.88	17.96	17.75
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	23.43	23.16	23.10
			1	1	24.15	23.97	23.95
			1	107	24.01	23.92	23.79
			1	214	23.94	23.81	23.85
			1	215	23.75	23.49	23.56
			216	0	23.02	23.06	22.95
		QPSK	1	0	22.71	22.76	22.55
			1	1	24.06	24.08	24.01
			1	107	24.03	23.94	23.83
			1	214	23.97	23.85	23.76
			1	215	23.70	23.57	23.49
			216	0	23.05	23.02	22.94
		16QAM	1	1	22.98	22.88	22.79
			1	107	22.88	22.82	22.71
			1	214	22.81	22.66	22.66
		64QAM	1	1	21.65	21.66	21.61
		256QAM	1	1	19.10	19.05	19.03
	CP-OFDM	QPSK	1	1	22.56	22.65	22.64
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	23.36	23.17	23.00
			1	1	24.07	23.96	23.94
			1	93	24.11	23.98	23.95
			1	186	23.93	23.80	23.79
			1	187	23.16	22.91	22.86
			180	0	23.05	23.06	22.97
		QPSK	1	0	22.40	22.65	22.53
			1	1	24.07	24.03	23.97
			1	93	24.07	24.01	23.98
			1	186	23.98	23.84	23.83
			1	187	22.58	22.50	22.30
			180	0	23.06	23.06	23.01
		16QAM	1	1	22.96	22.87	22.83
			1	93	22.80	22.80	22.73
			1	186	22.74	22.68	22.64
		64QAM	1	1	21.62	21.62	21.66
		256QAM	1	1	19.05	19.02	18.99
	CP-OFDM	QPSK	1	1	22.53	22.63	22.65

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	23.50	23.24	22.96
			1	1	24.06	24.07	23.93
			1	79	23.87	23.98	23.82
			1	158	23.98	23.90	23.79
			1	159	23.17	22.93	22.96
			160	0	23.05	22.99	22.91
		QPSK	1	0	22.59	22.72	22.57
			1	1	24.08	24.06	23.86
			1	79	23.92	24.00	23.85
			1	158	23.93	23.92	23.84
			1	159	22.58	22.55	22.35
			160	0	23.06	22.96	22.84
		16QAM	1	1	23.02	22.94	22.69
			1	79	22.78	22.77	22.71
			1	158	22.81	22.74	22.67
		64QAM	1	1	21.62	21.65	21.52
		256QAM	1	1	19.02	19.00	18.94
	CP-OFDM	QPSK	1	1	22.64	22.65	22.61
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	23.51	23.26	22.93
			1	1	24.09	24.08	23.93
			1	66	24.12	23.94	23.94
			1	131	24.14	23.97	23.81
			1	132	23.31	22.97	22.99
			128	0	23.03	22.97	22.95
		QPSK	1	0	22.64	22.71	22.56
			1	1	24.18	24.11	23.86
			1	66	24.07	23.95	23.97
			1	131	24.16	23.95	23.85
			1	132	22.75	22.68	22.42
			128	0	23.05	23.04	22.86
		16QAM	1	1	23.11	22.97	22.73
			1	66	22.88	22.78	22.61
			1	131	22.99	22.74	22.75
		64QAM	1	1	21.71	21.66	21.56
		256QAM	1	1	19.14	19.03	18.99
	CP-OFDM	QPSK	1	1	22.70	22.64	22.61
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	23.42	23.17	22.76
			1	1	24.06	23.99	23.79
			1	52	24.00	23.87	23.84
			1	104	24.06	23.86	23.81
			1	105	23.11	22.96	22.80
			100	0	23.08	23.04	22.84
		QPSK	1	0	22.70	22.74	22.57
			1	1	24.11	24.05	23.81
			1	52	23.99	23.92	23.78
			1	104	23.99	23.87	23.83
			1	105	22.77	22.58	22.41
			100	0	23.12	23.06	22.89
		16QAM	1	1	22.95	22.76	22.57
			1	52	22.83	22.75	22.61
			1	104	22.74	22.65	22.65
		64QAM	1	1	21.72	21.63	21.47
		256QAM	1	1	18.98	18.96	18.71
	CP-OFDM	QPSK	1	1	22.60	22.67	22.51

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	23.44	23.13	22.85
			1	1	23.98	23.98	23.81
			1	39	24.01	23.91	23.76
			1	77	23.94	23.91	23.82
			1	78	23.18	23.00	22.91
			75	0	23.08	23.04	22.91
		QPSK	1	0	22.84	22.78	22.57
			1	1	24.11	24.04	23.94
			1	39	23.94	23.91	23.82
			1	77	24.02	23.91	23.85
			1	78	22.95	22.75	22.44
			75	0	23.07	23.02	22.88
		16QAM	1	1	23.02	22.79	22.59
			1	39	22.84	22.74	22.62
			1	77	22.78	22.70	22.69
		64QAM	1	1	21.79	21.63	21.55
		256QAM	1	1	19.11	19.01	18.95
	CP-OFDM	QPSK	1	1	22.63	22.66	22.64
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	23.57	23.17	22.88
			1	1	24.12	24.04	23.87
			1	25	24.06	23.99	23.84
			1	50	24.00	23.96	23.81
			1	51	23.26	23.09	22.92
			50	0	23.16	23.03	22.79
		QPSK	1	0	22.74	22.70	22.58
			1	1	24.06	24.07	23.81
			1	25	24.11	23.98	23.77
			1	50	24.05	23.93	23.72
			1	51	22.89	22.67	22.46
			50	0	23.05	23.08	22.83
		16QAM	1	1	22.95	22.86	22.53
			1	25	22.88	22.79	22.47
			1	50	22.81	22.70	22.64
		64QAM	1	1	21.67	21.68	21.46
		256QAM	1	1	19.00	18.98	18.80
	CP-OFDM	QPSK	1	1	22.72	22.60	22.50
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	23.49	23.30	22.96
			1	1	24.16	24.08	23.83
			1	12	24.20	24.05	23.92
			1	23	24.16	24.04	23.94
			1	24	23.58	23.31	23.02
			25	0	23.25	23.08	22.84
		QPSK	1	0	22.76	22.76	22.54
			1	1	24.23	24.11	23.84
			1	12	24.13	24.05	23.87
			1	23	24.22	24.11	23.83
			1	24	22.83	22.72	22.53
			25	0	23.18	23.04	22.88
		16QAM	1	1	23.07	22.87	22.63
			1	12	22.99	22.82	22.62
			1	23	23.04	22.84	22.65
		64QAM	1	1	21.74	21.67	21.43
		256QAM	1	1	19.01	18.92	18.68
	CP-OFDM	QPSK	1	1	22.65	22.59	22.41

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
50 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.44	22.78	22.71
			1	1	23.82	24.05	24.16
			1	135	23.67	24.04	24.14
			1	268	23.74	23.84	23.76
			1	269	22.59	22.59	22.53
			270	0	22.92	22.93	22.86
		QPSK	1	0	22.09	22.50	22.56
			1	1	23.55	24.09	24.06
			1	135	23.46	24.06	24.04
			1	268	23.74	23.88	23.70
			1	269	22.18	22.29	22.22
			270	0	22.99	22.89	22.85
		16QAM	1	0	20.85	21.37	21.21
			1	1	22.36	22.92	22.99
			1	135	22.33	22.89	23.02
			1	268	22.45	22.75	22.60
			1	269	20.67	20.99	20.89
			270	0	21.43	21.32	21.15
		64QAM	1	1	20.95	21.77	21.69
		256QAM	1	1	18.47	19.02	19.78
	CP-OFDM	QPSK	1	0	20.53	20.45	20.43
			1	1	21.82	21.99	22.12
			1	135	22.00	21.67	21.70
			1	268	22.20	21.74	21.62
			1	269	20.33	20.29	20.17
			270	0	20.43	20.34	20.24
		16QAM	1	0	20.33	20.26	20.23
			1	1	21.09	21.40	21.24
			1	135	21.43	21.17	20.97
			1	268	20.90	20.89	20.93
			1	269	20.12	20.14	20.17
			270	0	20.37	20.26	20.27
		64QAM	1	1	19.51	19.81	19.90
		256QAM	1	1	17.16	17.07	16.99
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	22.43	22.55	22.66
			1	1	23.74	23.87	23.95
			1	107	23.91	23.86	23.70
			1	214	23.85	23.72	23.63
			1	215	23.07	23.03	23.02
			216	0	22.91	22.90	22.82
		QPSK	1	0	21.91	22.05	22.20
			1	1	23.50	23.98	23.90
			1	107	23.93	23.87	23.63
			1	214	23.81	23.72	23.66
			1	215	23.36	22.96	22.89
			216	0	22.96	22.91	22.86
		16QAM	1	1	22.48	22.75	22.88
			1	107	22.83	22.71	22.34
			1	214	22.61	22.52	22.50
		64QAM	1	1	20.84	21.58	21.53
		256QAM	1	1	18.58	18.97	18.90
	CP-OFDM	QPSK	1	1	22.06	22.56	22.39
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	22.22	22.54	22.57
			1	1	23.51	23.93	23.70
			1	93	23.92	23.89	23.69
			1	186	23.78	23.60	23.70
			1	187	22.58	22.31	22.26
			180	0	22.96	22.82	22.81
		QPSK	1	0	21.91	22.02	21.98
			1	1	23.38	23.95	23.78
			1	93	23.95	23.94	23.76
			1	186	23.87	23.59	23.64
			1	187	21.98	21.80	21.85
			180	0	22.93	22.79	22.84
		16QAM	1	1	22.35	22.81	22.69
			1	93	22.76	22.73	22.41
			1	186	22.68	22.40	22.52
		64QAM	1	1	20.84	21.60	21.50
		256QAM	1	1	18.42	18.93	18.83
	CP-OFDM	QPSK	1	1	21.92	22.45	22.41

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	22.45	22.61	22.46
			1	1	23.73	23.94	23.77
			1	79	23.73	23.74	23.59
			1	158	23.90	23.64	23.63
			1	159	22.68	22.36	22.34
			160	0	22.97	22.87	22.68
		QPSK	1	0	21.91	21.99	21.80
			1	1	23.48	23.92	23.80
			1	79	23.84	23.81	23.65
			1	158	23.90	23.70	23.63
			1	159	22.16	21.74	21.80
			160	0	22.88	22.93	22.73
		16QAM	1	1	22.43	22.85	22.44
			1	79	22.61	22.75	22.44
			1	158	22.84	22.45	22.53
		64QAM	1	1	20.85	21.57	21.34
		256QAM	1	1	18.44	18.87	18.84
	CP-OFDM	QPSK	1	1	21.93	22.46	22.53
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	22.07	22.64	22.49
			1	1	23.41	24.05	23.46
			1	66	23.93	23.85	23.54
			1	131	24.07	23.71	23.49
			1	132	22.74	22.51	22.37
			128	0	22.99	22.88	22.55
		QPSK	1	0	21.78	22.09	21.83
			1	1	23.29	24.11	23.55
			1	66	23.96	23.68	23.57
			1	131	24.17	23.53	23.54
			1	132	22.15	21.93	21.85
			128	0	22.97	22.67	22.56
		16QAM	1	1	22.24	22.80	22.20
			1	66	22.72	22.56	22.41
			1	131	23.08	22.22	22.43
		64QAM	1	1	20.73	21.45	21.23
		256QAM	1	1	18.32	18.83	18.60
	CP-OFDM	QPSK	1	1	21.87	22.23	22.32
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	22.80	22.64	22.27
			1	1	23.81	23.72	23.45
			1	52	23.74	23.59	23.49
			1	104	23.75	23.51	23.37
			1	105	22.65	22.47	22.34
			100	0	22.60	22.66	22.55
		QPSK	1	0	22.26	21.98	21.68
			1	1	23.83	23.75	23.50
			1	52	23.77	23.62	23.50
			1	104	23.75	23.51	23.39
			1	105	22.09	21.89	21.76
			100	0	22.60	22.64	22.50
		16QAM	1	1	22.78	22.55	22.23
			1	52	22.58	22.42	22.36
			1	104	22.62	22.27	22.26
		64QAM	1	1	21.36	21.31	21.15
		256QAM	1	1	18.69	18.61	18.37
	CP-OFDM	QPSK	1	1	22.23	22.20	22.06

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	22.81	22.69	22.34
			1	1	23.77	23.69	23.52
			1	39	23.67	23.58	23.48
			1	77	23.71	23.60	23.54
			1	78	22.60	22.52	22.31
			75	0	22.29	22.75	22.55
		QPSK	1	0	22.28	22.11	21.81
			1	1	23.79	23.66	23.52
			1	39	23.59	23.52	23.52
			1	77	23.66	23.52	23.44
			1	78	22.15	21.90	21.84
			75	0	22.20	22.64	22.49
		16QAM	1	1	22.77	22.61	22.40
			1	39	22.49	22.43	22.32
			1	77	22.60	22.31	22.31
		64QAM	1	1	21.44	21.33	21.21
		256QAM	1	1	18.76	18.64	18.54
	CP-OFDM	QPSK	1	1	22.20	22.21	22.13
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	22.80	22.61	22.44
			1	1	23.81	23.67	23.38
			1	25	23.75	23.65	23.42
			1	50	23.71	23.59	23.36
			1	51	22.72	22.51	22.34
			50	0	22.73	22.66	22.49
		QPSK	1	0	22.26	22.00	21.79
			1	1	23.83	23.69	23.51
			1	25	23.71	23.75	23.51
			1	50	23.66	23.56	23.48
			1	51	21.96	21.97	21.76
			50	0	22.44	22.64	22.39
		16QAM	1	1	22.87	22.56	22.42
			1	25	22.58	22.44	22.26
			1	50	22.51	22.31	22.21
		64QAM	1	1	21.35	21.26	21.01
		256QAM	1	1	18.76	18.57	18.43
	CP-OFDM	QPSK	1	1	22.24	22.17	22.01
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	22.90	22.79	22.52
			1	1	23.92	23.72	23.47
			1	12	23.92	23.70	23.50
			1	23	23.92	23.71	23.51
			1	24	22.94	22.80	22.51
			25	0	22.84	22.64	22.48
		QPSK	1	0	22.35	22.23	21.87
			1	1	23.94	23.70	23.60
			1	12	23.90	23.78	23.48
			1	23	23.88	23.68	23.46
			1	24	22.31	22.13	21.82
			25	0	22.86	22.70	22.44
		16QAM	1	1	22.92	22.54	22.33
			1	12	22.82	22.50	22.36
			1	23	22.73	22.57	22.31
		64QAM	1	1	21.47	21.30	21.07
		256QAM	1	1	18.81	18.57	18.37
	CP-OFDM	QPSK	1	1	22.32	22.16	21.90

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	23.35	23.34	23.36
			1	1	24.30	24.24	24.25
			1	39	24.15	24.14	24.24
			1	77	24.32	24.28	24.24
			1	78	23.38	23.42	23.38
			75	0	23.29	23.24	23.23
		QPSK	1	0	22.87	22.98	22.85
			1	1	24.20	24.21	24.21
			1	39	24.18	24.15	24.16
			1	77	24.25	24.34	24.26
			1	78	22.92	22.91	22.87
			75	0	23.30	23.28	23.26
		16QAM	1	0	21.70	21.77	21.76
			1	1	23.04	23.02	23.04
			1	39	23.03	23.03	22.98
			1	77	23.06	23.19	23.14
			1	78	21.64	21.78	21.70
			75	0	22.00	22.03	21.99
		64QAM	1	1	21.89	21.83	21.81
		256QAM	1	1	19.17	19.15	19.11
	CP-OFDM	QPSK	1	0	21.05	20.96	21.05
			1	1	22.39	22.68	22.55
			1	39	22.54	22.52	22.61
			1	77	22.64	22.48	22.69
			1	78	21.12	20.94	20.93
			75	0	21.05	21.04	20.95
		16QAM	1	0	20.80	20.66	20.94
			1	1	21.60	21.91	21.88
			1	39	21.95	21.86	21.79
			1	77	21.86	21.93	21.97
			1	78	21.00	20.98	20.95
			75	0	21.04	20.97	21.00
		64QAM	1	1	20.06	20.36	20.48
		256QAM	1	1	17.74	17.43	17.19
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	23.39	23.41	23.45
			1	1	24.15	24.16	24.07
			1	26	24.13	24.12	24.04
			1	49	24.18	24.14	24.02
			1	50	24.00	24.08	24.03
			50	0	23.18	23.18	23.19
		QPSK	1	0	22.88	22.86	22.88
			1	1	24.20	24.19	24.14
			1	26	24.15	24.16	24.16
			1	49	24.16	24.14	24.13
			1	50	23.94	23.97	23.98
			50	0	23.20	23.17	23.18
		16QAM	1	1	22.84	23.05	22.94
			1	26	22.97	22.97	22.94
			1	49	23.02	22.96	22.91
		64QAM	1	1	21.84	21.83	21.71
		256QAM	1	1	19.07	19.15	19.02
	CP-OFDM	QPSK	1	1	22.77	22.80	22.70

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	23.45	23.61	23.61
			1	1	24.28	24.26	24.17
			1	13	24.20	24.20	24.12
			1	23	24.22	24.19	24.20
			1	24	23.51	23.65	23.53
			25	0	23.25	23.22	23.10
		QPSK	1	0	22.95	23.02	23.04
			1	1	24.20	24.20	24.20
			1	13	24.17	24.23	24.10
			1	23	24.26	24.23	24.06
			1	24	23.03	23.10	22.97
			25	0	23.14	23.22	23.14
		16QAM	1	1	22.94	23.04	22.95
			1	13	22.97	23.02	22.93
			1	23	23.00	23.00	22.95
		64QAM	1	1	21.80	21.76	21.74
		256QAM	1	1	19.13	19.15	19.07
	CP-OFDM	QPSK	1	1	22.78	22.73	22.64

NR Band n12 (ANT D)

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	22.96	22.97	23.07
			1	1	23.90	23.98	24.00
			1	39	23.88	23.87	23.94
			1	77	24.06	24.03	24.01
			1	78	23.02	23.03	23.00
			75	0	23.01	23.02	23.00
		QPSK	1	0	22.52	22.55	22.62
			1	1	23.95	23.92	23.94
			1	39	23.95	23.95	23.93
			1	77	23.98	24.01	24.08
			1	78	22.57	22.62	22.57
			75	0	23.09	23.02	23.01
		16QAM	1	0	21.55	21.63	21.54
			1	1	22.73	22.73	22.74
			1	39	22.86	22.83	22.81
			1	77	22.79	22.77	22.83
			1	78	21.54	21.61	21.46
			75	0	21.75	21.67	21.71
		64QAM	1	1	21.55	21.57	21.58
		256QAM	1	1	18.87	18.85	18.88
	CP-OFDM	QPSK	1	0	20.69	20.59	20.79
			1	1	22.30	22.13	22.38
			1	39	22.18	22.17	22.34
			1	77	22.17	22.26	22.33
			1	78	20.76	20.64	20.74
			75	0	20.67	20.69	20.73
		16QAM	1	0	20.54	20.52	20.59
			1	1	21.44	21.80	21.54
			1	39	21.74	21.77	21.64
			1	77	21.65	21.70	21.57
			1	78	20.79	20.66	20.60
			75	0	20.75	20.71	20.79
		64QAM	1	1	20.00	19.87	20.08
		256QAM	1	1	17.15	17.28	16.89
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	23.06	23.15	23.25
			1	1	23.93	24.03	24.03
			1	26	24.07	24.00	24.04
			1	49	24.00	24.02	24.00
			1	50	23.71	23.73	23.81
			50	0	23.07	23.04	23.09
		QPSK	1	0	22.61	22.66	22.68
			1	1	23.97	24.09	24.03
			1	26	24.05	24.10	24.09
			1	49	24.00	24.05	24.02
			1	50	23.41	23.46	23.44
			50	0	22.97	23.05	23.09
		16QAM	1	1	22.71	22.79	22.87
			1	26	22.88	22.86	22.88
			1	49	22.84	22.88	22.81
		64QAM	1	1	21.57	21.56	21.60
		256QAM	1	1	18.87	18.87	18.93
	CP-OFDM	QPSK	1	1	22.57	22.66	22.61

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	23.15	23.23	23.38
			1	1	24.02	24.10	24.03
			1	13	24.07	24.09	24.03
			1	23	24.11	24.11	24.00
			1	24	23.29	23.31	23.28
			25	0	22.98	23.11	23.05
		QPSK	1	0	22.79	22.87	22.85
			1	1	24.02	24.02	24.08
			1	13	23.99	24.10	24.07
			1	23	24.13	24.09	24.02
			1	24	22.81	22.78	22.88
			25	0	23.02	23.10	23.04
		16QAM	1	1	22.74	22.87	22.88
			1	13	22.77	22.93	22.84
			1	23	22.88	22.91	22.86
		64QAM	1	1	21.62	21.66	21.68
		256QAM	1	1	18.98	18.95	18.99
	CP-OFDM	QPSK	1	1	22.57	22.68	22.63

NR Band n30 (ANT B)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset		462000	
						2310.00 MHz	
10 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0		23.21	
			1	1		23.79	
			1	25		23.95	
			1	50		23.86	
			1	51		23.18	
			50	0		22.90	
		QPSK	1	0		22.71	
			1	1		23.77	
			1	25		23.94	
			1	50		23.89	
			1	51		22.55	
			50	0		22.89	
		16QAM	1	0		21.65	
			1	1		22.69	
			1	25		22.68	
			1	50		22.69	
			1	51		21.61	
			50	0		21.68	
		64QAM	1	1		21.47	
		256QAM	1	1		18.72	
	CP-OFDM	QPSK	1	0		20.58	
			1	1		22.24	
			1	25		22.16	
			1	50		22.13	
			1	51		20.59	
			50	0		20.63	
		16QAM	1	0		20.70	
			1	1		21.75	
			1	25		21.48	
			1	50		21.60	
			1	51		20.65	
			50	0		20.69	
		64QAM	1	1		20.48	
		256QAM	1	1		17.44	
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	23.27	23.22	23.27
			1	1	23.90	23.87	23.95
			1	12	23.89	23.87	23.92
			1	23	23.83	23.84	23.92
			1	24	23.18	23.16	23.14
			25	0	22.91	22.86	22.88
		QPSK	1	0	22.77	22.68	22.76
			1	1	23.84	23.88	23.98
			1	12	23.85	23.87	23.93
			1	23	23.91	23.85	23.88
			1	24	22.69	22.63	22.67
			25	0	22.83	22.93	22.92
		16QAM	1	0	22.72	22.79	22.86
			1	1	22.75	22.77	22.77
			1	12	22.73	22.74	22.73
			1	23	21.46	21.45	21.44
		256QAM	1	24	18.73	18.77	18.94
	CP-OFDM	QPSK	1	1	22.40	22.44	22.45

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		22.55	
			1	1		23.60	
			1	25		23.60	
			1	50		23.58	
			1	51		22.38	
			50	0		22.60	
		QPSK	1	0		22.06	
			1	1		23.48	
			1	25		23.55	
			1	50		23.56	
			1	51		21.90	
			50	0		22.64	
		16QAM	1	0		20.98	
			1	1		22.35	
			1	25		22.46	
			1	50		22.49	
			1	51		20.79	
			50	0		20.96	
		64QAM	1	1		21.19	
		256QAM	1	1		18.49	
	CP-OFDM	QPSK	1	0		20.06	
			1	1		21.52	
			1	25		21.47	
			1	50		21.49	
			1	51		19.97	
			52	0		19.99	
		16QAM	1	0		20.12	
			1	1		21.18	
			1	25		20.96	
			1	50		21.10	
			1	51		20.00	
			52	0		20.05	
		64QAM	1	1		19.68	
		256QAM	1	1		16.50	
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	22.59	22.56	22.52
			1	1	23.61	23.62	23.68
			1	12	23.63	23.67	23.40
			1	23	23.54	23.49	23.16
			1	24	22.38	22.43	22.44
			25	0	22.69	22.56	22.68
		QPSK	1	0	22.18	22.15	22.14
			1	1	23.59	23.62	23.49
			1	12	23.55	23.69	23.34
			1	23	23.56	23.37	23.06
			1	24	22.02	21.90	21.96
			25	0	22.56	22.60	22.65
		16QAM	1	1	22.45	22.50	22.51
			1	12	22.41	22.57	22.43
			1	23	22.39	22.50	22.16
		64QAM	1	1	21.23	21.19	21.17
		256QAM	1	1	18.55	18.55	18.52
	CP-OFDM	QPSK	1	1	22.17	22.17	22.19

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	23.09	23.04	22.95
			1	1	26.78	26.74	26.56
			1	136	26.47	26.61	26.26
			1	271	26.41	26.57	26.37
			1	272	22.79	22.76	22.55
			270	0	26.06	26.12	25.89
		QPSK	1	0	23.04	22.84	22.80
			1	1	26.87	26.60	26.55
			1	136	26.56	26.49	26.24
			1	271	26.56	26.48	26.22
			1	272	22.75	22.67	22.51
			270	0	25.61	25.62	25.39
		16QAM	1	0	23.02	22.81	22.76
			1	1	25.53	25.80	25.69
			1	136	25.21	25.47	25.24
			1	271	25.27	25.46	25.31
			1	272	22.71	22.62	22.53
			270	0	24.53	24.58	24.46
		64QAM	1	1	23.87	23.86	23.76
		256QAM	1	1	22.31	21.93	21.91
	CP-OFDM	QPSK	1	0	23.04	22.89	22.97
			1	1	25.24	25.21	25.34
			1	137	24.98	25.15	24.78
			1	271	25.03	25.10	25.15
			1	272	22.85	22.78	22.69
			273	0	23.53	23.57	23.37
		16QAM	1	0	23.14	23.22	22.83
			1	1	24.84	24.76	24.66
			1	137	24.47	24.68	24.21
			1	271	24.38	24.60	24.44
			1	272	22.82	23.01	22.64
			273	0	23.56	22.75	23.32
		64QAM	1	1	23.11	21.80	22.83
		256QAM	1	1	20.27	19.18	20.04
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	22.98	22.95	23.18
			1	1	26.69	26.55	26.64
			1	123	26.56	26.65	26.31
			1	243	26.45	26.47	26.27
			1	244	22.86	22.86	22.78
			243	0	26.04	26.08	25.93
		QPSK	1	0	23.07	22.89	23.06
			1	1	26.66	26.50	26.60
			1	123	26.43	26.43	26.22
			1	243	26.34	26.40	26.38
			1	244	22.82	22.83	22.80
			243	0	25.44	25.52	25.35
		16QAM	1	1	25.91	25.56	25.79
			1	123	25.54	25.31	25.28
			1	243	25.57	25.39	25.37
		64QAM	1	1	24.03	23.70	23.77
		256QAM	1	1	22.00	21.83	21.94
	CP-OFDM	QPSK	1	1	25.45	25.31	25.39

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	23.21	23.08	23.10
			1	1	26.73	26.58	26.64
			1	109	26.53	26.62	26.28
			1	215	26.54	26.52	26.40
			1	216	22.96	22.97	22.78
			216	0	26.00	26.04	25.93
		QPSK	1	0	23.06	22.94	23.04
			1	1	26.74	26.55	26.65
			1	109	26.41	26.45	26.28
			1	215	26.57	26.46	26.42
			1	216	22.88	22.86	22.83
			216	0	25.46	25.53	25.46
		16QAM	1	1	25.58	25.58	25.73
			1	109	25.29	25.48	25.31
			1	215	25.44	25.52	25.20
		64QAM	1	1	23.80	23.62	23.83
		256QAM	1	1	21.95	21.91	22.06
	CP-OFDM	QPSK	1	1	25.18	25.26	25.37
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	22.97	23.02	23.00
			1	1	26.71	26.48	26.68
			1	95	26.54	26.56	26.23
			1	187	26.55	26.58	26.39
			1	188	22.88	22.96	22.73
			180	0	26.11	26.13	25.87
		QPSK	1	0	23.06	22.87	22.93
			1	1	26.65	26.47	26.55
			1	95	26.49	26.51	26.27
			1	187	26.57	26.49	26.42
			1	188	22.96	22.90	22.79
			180	0	25.58	25.56	25.40
		16QAM	1	1	25.51	25.38	25.56
			1	95	25.37	25.50	25.20
			1	187	25.51	25.51	25.32
		64QAM	1	1	23.72	23.58	23.67
		256QAM	1	1	22.00	21.79	21.89
	CP-OFDM	QPSK	1	1	25.33	25.23	25.18
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	22.84	22.98	22.94
			1	1	26.47	26.43	26.44
			1	81	26.45	26.46	26.18
			1	160	26.48	26.44	26.26
			1	161	22.93	22.90	22.61
			162	0	26.05	26.04	25.72
		QPSK	1	0	22.93	22.86	22.86
			1	1	26.51	26.45	26.49
			1	81	26.44	26.50	26.20
			1	160	26.52	26.49	26.27
			1	161	22.93	22.92	22.66
			162	0	25.48	25.53	25.28
		16QAM	1	1	25.48	25.35	25.40
			1	81	25.51	25.38	24.98
			1	160	25.49	25.51	25.06
		64QAM	1	1	23.57	23.58	23.51
		256QAM	1	1	21.84	21.79	21.74
	CP-OFDM	QPSK	1	1	25.26	25.03	25.19

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	23.04	22.98	22.87
			1	1	26.65	26.60	26.49
			1	67	26.56	26.65	26.32
			1	131	26.69	26.77	26.55
			1	132	23.04	23.18	22.92
			128	0	26.07	26.21	25.88
		QPSK	1	0	22.94	23.02	22.84
			1	1	26.58	26.61	26.49
			1	67	26.49	26.70	26.41
			1	131	26.52	26.66	26.58
			1	132	22.96	23.03	22.93
			128	0	25.57	25.64	25.37
		16QAM	1	1	25.63	25.69	25.39
			1	67	25.43	25.61	25.11
			1	131	25.59	25.76	25.27
		64QAM	1	1	23.82	23.80	23.58
		256QAM	1	1	21.91	21.85	21.65
	CP-OFDM	QPSK	1	1	25.29	25.33	25.03
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	503700	518598	533496
					2518.50 MHz	2592.99 MHz	2667.48 MHz
45 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.19	23.14	22.90
			1	1	26.76	26.74	26.54
			1	60	26.72	26.68	26.36
			1	117	26.82	26.71	26.55
			1	118	23.14	23.20	22.99
			108	0	26.28	26.25	25.84
		QPSK	1	0	23.13	23.11	22.87
			1	1	26.70	26.76	26.49
			1	60	26.71	26.69	26.37
			1	117	26.70	26.85	26.59
			1	118	23.11	23.20	22.86
			108	0	25.74	25.75	25.43
		16QAM	1	1	25.69	25.55	25.34
			1	60	25.75	25.44	25.09
			1	117	25.75	25.63	25.41
		64QAM	1	1	23.89	23.80	23.70
		256QAM	1	1	21.91	21.92	21.66
	CP-OFDM	QPSK	1	1	25.37	25.21	25.01
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	22.99	22.93	22.68
			1	1	26.59	26.53	26.25
			1	53	26.70	26.64	26.26
			1	104	26.58	26.65	26.28
			1	105	22.83	23.00	22.64
			100	0	26.14	26.12	25.83
		QPSK	1	0	22.94	22.89	22.66
			1	1	26.52	26.49	26.22
			1	53	26.68	26.63	26.32
			1	104	26.49	26.62	26.38
			1	105	22.90	22.99	22.76
			100	0	25.64	25.61	25.27
		16QAM	1	1	25.40	25.29	25.25
			1	53	25.64	25.35	25.19
			1	104	25.50	25.59	25.27
		64QAM	1	1	23.56	23.56	23.27
		256QAM	1	1	21.72	21.68	21.41
	CP-OFDM	QPSK	1	1	25.10	25.01	24.72

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	507204	518598	534498
					2513.52 MHz	2592.99 MHz	2672.49 MHz
35 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.99	22.99	22.72
			1	1	26.64	26.51	26.29
			1	45	26.82	26.73	26.40
			1	90	26.65	26.58	26.40
			1	91	23.03	23.01	22.80
			90	0	26.22	26.11	25.84
		QPSK	1	0	22.99	22.94	22.70
			1	1	26.62	26.57	26.33
			1	45	26.77	26.73	26.40
			1	90	26.62	26.54	26.44
			1	91	23.01	22.97	22.79
			90	0	25.69	25.61	25.29
		16QAM	1	1	25.73	25.28	25.05
			1	45	25.45	25.55	25.03
			1	90	25.60	25.49	25.05
		64QAM	1	1	23.77	23.68	23.51
		256QAM	1	1	21.86	21.76	21.48
	CP-OFDM	QPSK	1	1	25.25	25.10	24.79
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	23.16	23.11	22.84
			1	1	26.68	26.68	26.40
			1	39	26.61	26.66	26.29
			1	76	26.68	26.67	26.25
			1	77	23.13	23.14	22.88
			75	0	26.26	26.17	25.76
		QPSK	1	0	23.11	23.05	22.71
			1	1	26.70	26.64	26.38
			1	39	26.65	26.61	26.18
			1	76	26.71	26.67	26.41
			1	77	23.12	23.05	22.77
			75	0	25.66	25.67	25.35
		16QAM	1	1	25.66	25.50	25.16
			1	39	25.45	25.53	25.06
			1	76	25.63	25.70	25.09
		64QAM	1	1	23.85	23.77	23.61
		256QAM	1	1	21.87	21.84	21.54
	CP-OFDM	QPSK	1	1	25.22	25.13	24.88
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	23.13	23.16	22.85
			1	1	26.84	26.66	26.37
			1	32	26.83	26.73	26.43
			1	63	26.79	26.79	26.46
			1	64	23.26	23.16	22.73
			64	0	26.10	26.14	25.78
		QPSK	1	0	23.15	23.05	22.79
			1	1	26.79	26.67	26.47
			1	32	26.70	26.74	26.40
			1	63	26.76	26.76	26.45
			1	64	23.16	23.12	22.81
			64	0	25.67	25.64	25.22
		16QAM	1	1	25.84	25.57	25.23
			1	32	25.57	25.43	25.21
			1	63	25.73	25.62	25.11
		64QAM	1	1	23.76	23.79	23.53
		256QAM	1	1	21.95	21.85	21.57
	CP-OFDM	QPSK	1	1	25.22	25.27	24.86

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	23.08	23.24	22.87
			1	1	26.65	26.67	26.34
			1	26	26.69	26.66	26.37
			1	49	26.61	26.66	26.36
			1	50	23.04	23.08	22.71
			50	0	26.18	26.21	25.76
		QPSK	1	0	23.06	22.99	22.69
			1	1	26.64	26.68	26.31
			1	26	26.71	26.67	26.28
			1	49	26.64	26.71	26.36
			1	50	23.06	23.10	22.72
			50	0	25.62	25.65	25.41
		16QAM	1	1	25.65	25.44	24.95
			1	26	25.58	25.52	25.10
			1	49	25.53	25.71	25.13
		64QAM	1	1	23.71	23.82	23.46
		256QAM	1	1	21.83	21.90	21.53
	CP-OFDM	QPSK	1	1	25.14	25.20	24.80
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	23.07	23.22	22.84
			1	1	26.77	26.75	26.39
			1	19	26.72	26.70	26.43
			1	36	26.71	26.80	26.35
			1	37	23.11	23.21	22.83
			36	0	26.26	26.19	25.95
		QPSK	1	0	23.16	23.15	22.83
			1	1	26.78	26.76	26.38
			1	19	26.72	26.70	26.35
			1	36	26.76	26.79	26.46
			1	37	23.20	23.24	22.85
			36	0	25.71	25.67	25.30
		16QAM	1	1	25.47	25.58	25.33
			1	19	25.55	25.43	25.32
			1	36	25.74	25.54	25.42
		64QAM	1	1	23.79	23.94	23.47
		256QAM	1	1	21.96	21.94	21.60
	CP-OFDM	QPSK	1	1	25.25	25.24	24.91
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	23.22	23.10	22.87
			1	1	26.76	26.71	26.36
			1	12	26.74	26.67	26.39
			1	22	26.81	26.67	26.33
			1	23	23.13	23.04	22.82
			24	0	26.23	26.21	25.87
		QPSK	1	0	23.17	23.14	22.78
			1	1	26.85	26.75	26.45
			1	12	26.77	26.71	26.42
			1	22	26.81	26.72	26.47
			1	23	23.20	23.06	22.82
			24	0	25.70	25.62	25.27
		16QAM	1	1	25.79	25.76	25.32
			1	12	25.69	25.57	25.32
			1	22	25.76	25.74	25.34
		64QAM	1	1	23.83	23.91	23.46
		256QAM	1	1	21.97	21.95	21.60
	CP-OFDM	QPSK	1	1	25.37	25.24	24.88

NR Band n41 (PC2) SRS2 (ANT F) / SRS3 (ANT C) / 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
			24.5				26.0				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
	22.74	24.39	24.41		25.01	25.78	25.81		19.94	21.58	21.33
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
	22.85	24.12	24.19		24.94	25.72	25.68		20.01	21.25	21.15
80 MHz	507204	518598	529998	80 MHz	507204	518598	529998	80 MHz	507204	518598	529998
	2536.02 MHz	2592.99 MHz	2649.99 MHz		2536.02 MHz	2592.99 MHz	2649.99 MHz		2536.02 MHz	2592.99 MHz	2649.99 MHz
	23.03	23.94	24.07		24.86	25.65	25.54		20.08	20.62	21.06
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
	22.86	23.75	23.91		24.81	25.56	25.48		19.89	20.26	21.03
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
	22.68	23.31	23.87		24.76	25.47	25.44		19.76	19.82	21.01
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
	22.71	23.51	23.94		24.71	25.63	25.45		19.85	20.21	20.47
45 MHz	503700	518598	533496	45 MHz	503700	518598	533496	45 MHz	503700	518598	533496
	2518.50 MHz	2592.99 MHz	2667.48 MHz		2518.50 MHz	2592.99 MHz	2667.48 MHz		2518.50 MHz	2592.99 MHz	2667.48 MHz
	22.70	23.64	23.91		24.68	25.76	25.49		19.89	20.48	20.49
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
	22.68	23.71	23.89		24.71	25.68	25.43		19.93	20.54	20.24
35 MHz	502704	518598	534498	35 MHz	502704	518598	534498	35 MHz	502704	518598	534498
	2513.52 MHz	2592.99 MHz	2672.49 MHz		2513.52 MHz	2592.99 MHz	2672.49 MHz		2513.52 MHz	2592.99 MHz	2672.49 MHz
	22.73	23.75	23.66		24.73	25.57	25.31		19.91	20.91	20.13
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
	22.76	23.81	23.58		24.69	25.55	25.21		19.88	20.95	20.26
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
	22.71	24.12	23.63		24.73	25.57	25.03		19.82	21.06	20.43
20 MHz	501204	518598	535998	20 MHz	501204	518598	535998	20 MHz	501204	518598	535998
	2506.02 MHz	2592.99 MHz	2679.99 MHz		2506.02 MHz	2592.99 MHz	2679.99 MHz		2506.02 MHz	2592.99 MHz	2679.99 MHz
	22.64	24.31	23.71		24.76	25.53	24.95		19.79	21.17	20.58
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
	22.45	24.33	23.74		24.79	25.48	24.82		19.71	21.25	20.52
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
	22.39	24.28	23.75		24.77	25.57	24.77		19.64	21.34	20.45

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	22.63	22.47	22.41
			1	1	26.43	26.19	26.21
			1	136	26.16	26.03	26.12
			1	271	26.16	26.25	26.47
			1	272	22.38	22.49	22.74
			270	0	25.59	25.64	25.78
		QPSK	1	0	22.35	22.40	22.44
			1	1	26.33	26.03	26.22
			1	136	26.05	26.01	26.09
			1	271	26.10	26.25	26.57
			1	272	22.33	22.49	22.77
			270	0	25.09	25.10	25.19
		16QAM	1	0	22.62	22.42	22.46
			1	1	25.36	25.09	25.15
			1	136	24.95	24.94	25.12
			1	271	25.11	25.31	25.41
			1	272	22.30	22.56	22.72
			270	0	23.96	24.03	24.16
		64QAM	1	1	23.42	23.12	23.32
		256QAM	1	1	21.39	21.40	21.59
	CP-OFDM	QPSK	1	0	22.53	22.63	22.47
			1	1	24.83	24.99	24.91
			1	137	24.56	24.55	24.54
			1	271	24.69	24.78	24.95
			1	272	22.39	22.56	22.81
			270	0	23.05	23.03	23.12
		16QAM	1	0	22.67	22.61	22.92
			1	1	24.27	24.14	24.64
			1	137	24.15	24.03	24.19
			1	271	24.13	24.17	24.60
			1	272	22.44	22.66	23.01
			270	0	23.05	23.08	23.14
		64QAM	1	1	22.46	22.40	22.35
		256QAM	1	1	19.73	19.64	19.65
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	22.78	22.63	22.73
			1	1	26.34	26.19	26.32
			1	123	26.16	26.11	26.21
			1	243	26.11	26.25	26.43
			1	244	22.47	22.72	22.88
			243	0	25.73	25.60	25.40
		QPSK	1	0	22.77	22.60	22.62
			1	1	26.35	26.16	26.28
			1	123	26.13	26.07	26.11
			1	243	26.11	26.16	26.44
			1	244	22.54	22.57	22.93
			243	0	25.13	25.05	25.17
		16QAM	1	1	25.48	25.18	25.18
			1	123	25.20	24.94	25.06
			1	243	25.24	25.17	25.33
		64QAM	1	1	23.51	23.24	23.24
		256QAM	1	1	21.74	21.48	21.59
	CP-OFDM	QPSK	1	1	25.21	24.89	24.98

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	22.65	22.47	22.59
			1	1	26.35	26.07	26.25
			1	108	26.17	26.06	26.12
			1	215	26.10	26.14	26.42
			1	216	22.41	22.52	22.78
			216	0	25.65	25.62	25.73
		QPSK	1	0	22.61	22.40	22.54
			1	1	26.26	26.07	26.27
			1	108	26.00	26.07	26.12
			1	215	25.99	26.09	26.52
			1	216	22.52	22.46	22.88
			216	0	25.12	25.10	25.17
		16QAM	1	1	25.41	25.00	25.29
			1	108	25.22	25.01	25.17
			1	215	25.08	25.18	25.48
		64QAM	1	1	23.35	23.15	23.35
		256QAM	1	1	21.60	21.34	21.47
	CP-OFDM	QPSK	1	1	24.82	24.68	24.84
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	22.67	22.31	22.65
			1	1	26.17	25.97	26.17
			1	94	26.16	26.04	26.05
			1	187	26.09	26.18	26.42
			1	188	22.53	22.41	22.73
			180	0	25.72	25.57	25.56
		QPSK	1	0	22.58	22.31	22.52
			1	1	26.14	25.94	26.06
			1	94	26.16	26.04	26.06
			1	187	26.06	26.07	26.44
			1	188	22.43	22.41	22.78
			180	0	25.18	25.02	25.13
		16QAM	1	1	25.35	24.85	25.03
			1	94	25.15	25.18	25.16
			1	187	25.00	25.21	25.22
		64QAM	1	1	23.30	23.12	23.12
		256QAM	1	1	21.46	21.32	21.24
	CP-OFDM	QPSK	1	1	24.83	24.62	24.47
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	22.45	22.31	22.54
			1	1	26.12	25.87	26.09
			1	80	26.07	25.87	26.03
			1	160	25.93	26.12	26.30
			1	161	22.34	22.49	22.74
			162	0	25.67	25.46	25.44
		QPSK	1	0	22.55	22.28	22.37
			1	1	26.10	25.93	26.02
			1	80	25.95	25.97	26.04
			1	160	25.93	26.07	26.43
			1	161	22.41	22.53	22.80
			162	0	25.12	24.95	25.08
		16QAM	1	1	25.08	24.81	24.99
			1	80	24.95	24.82	24.97
			1	160	25.12	25.01	25.14
		64QAM	1	1	23.23	23.07	23.09
		256QAM	1	1	21.47	21.23	21.30
	CP-OFDM	QPSK	1	1	24.77	24.55	24.60

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	22.77	22.50	22.73
			1	1	26.40	26.14	26.31
			1	66	26.37	26.14	26.04
			1	131	26.38	26.41	26.36
			1	132	22.76	22.75	22.94
			128	0	25.84	25.72	25.88
		QPSK	1	0	22.78	22.59	22.71
			1	1	26.39	26.13	26.27
			1	66	26.39	26.17	26.18
			1	131	26.21	26.28	26.35
			1	132	22.69	22.80	22.96
			128	0	25.30	25.19	25.36
		16QAM	1	1	25.57	25.12	25.24
			1	66	25.40	25.17	25.17
			1	131	25.35	25.43	25.46
		64QAM	1	1	23.53	23.33	23.46
		256QAM	1	1	21.74	21.52	21.68
	CP-OFDM	QPSK	1	1	25.05	24.76	24.98
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	503700	518598	533496
					2518.50 MHz	2592.99 MHz	2667.48 MHz
45 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.86	22.53	22.73
			1	1	26.44	26.19	26.31
			1	60	26.29	26.20	25.98
			1	117	26.36	26.32	26.18
			1	118	22.75	22.74	22.96
			108	0	25.81	25.72	25.91
		QPSK	1	0	22.82	22.61	22.68
			1	1	26.43	26.24	26.25
			1	60	26.31	26.22	26.04
			1	117	26.38	26.36	26.28
			1	118	22.72	22.76	22.99
			108	0	25.35	25.20	25.36
		16QAM	1	1	25.35	25.23	25.15
			1	60	25.47	25.18	24.98
			1	117	25.35	25.34	25.36
		64QAM	1	1	23.50	23.36	23.34
		256QAM	1	1	21.68	21.48	21.59
	CP-OFDM	QPSK	1	1	25.15	24.83	24.97
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	22.54	22.31	22.47
			1	1	26.20	25.95	26.00
			1	52	26.25	26.06	25.78
			1	104	26.17	26.07	26.27
			1	105	22.49	22.43	22.72
			100	0	25.80	25.61	25.67
		QPSK	1	0	22.68	22.40	22.48
			1	1	26.15	26.01	26.07
			1	52	26.23	26.14	26.03
			1	104	26.15	26.09	26.38
			1	105	22.55	22.51	22.78
			100	0	25.28	25.09	25.26
		16QAM	1	1	25.22	24.87	24.96
			1	52	25.15	25.06	25.09
			1	104	25.06	25.14	25.24
		64QAM	1	1	23.24	23.11	23.19
		256QAM	1	1	21.52	21.28	21.41
	CP-OFDM	QPSK	1	1	24.81	24.39	24.59

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	507204	518598	534498
					2513.52 MHz	2592.99 MHz	2672.49 MHz
35 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	22.51	22.38	22.46
			1	1	26.23	26.03	26.16
			1	45	26.37	26.20	25.84
			1	90	26.27	26.19	26.23
			1	91	22.58	22.52	22.77
			90	0	25.83	25.64	25.87
		QPSK	1	0	22.64	22.49	22.53
			1	1	26.22	26.05	26.15
			1	45	26.41	26.26	25.97
			1	90	26.28	26.17	26.29
			1	91	22.70	22.47	22.81
			90	0	25.22	25.14	25.34
		16QAM	1	1	25.16	25.10	25.03
			1	45	25.15	25.17	24.98
			1	90	25.39	25.26	25.30
		64QAM	1	1	23.40	23.22	23.32
		256QAM	1	1	21.60	21.35	21.46
	CP-OFDM	QPSK	1	1	25.02	24.61	24.77
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	22.64	22.47	22.65
			1	1	26.29	26.13	26.12
			1	39	26.18	26.11	25.83
			1	76	26.29	26.12	26.19
			1	77	22.60	22.49	22.78
			75	0	25.69	25.68	25.78
		QPSK	1	0	22.49	22.44	22.53
			1	1	26.09	25.96	26.11
			1	39	26.10	26.02	25.84
			1	76	26.14	26.11	26.10
			1	77	22.56	22.49	22.78
			75	0	25.13	25.18	25.37
		16QAM	1	1	25.09	24.91	24.97
			1	39	25.10	25.00	24.90
			1	76	25.12	25.01	25.31
		64QAM	1	1	23.25	23.44	23.52
		256QAM	1	1	21.44	21.34	21.36
	CP-OFDM	QPSK	1	1	24.68	24.60	24.73
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	22.73	22.53	22.64
			1	1	26.30	26.15	25.99
			1	32	26.34	26.28	25.76
			1	63	26.32	26.20	26.05
			1	64	22.71	22.60	22.87
			64	0	25.81	25.71	25.80
		QPSK	1	0	22.74	22.50	22.60
			1	1	26.35	26.02	26.04
			1	32	26.27	26.11	25.70
			1	63	26.21	26.13	25.99
			1	64	22.69	22.56	22.85
			64	0	25.31	25.02	25.32
		16QAM	1	1	25.16	25.00	25.03
			1	32	25.09	25.00	24.82
			1	63	25.24	25.06	25.12
		64QAM	1	1	23.71	23.50	23.47
		256QAM	1	1	21.57	21.33	21.45
	CP-OFDM	QPSK	1	1	24.87	24.63	24.62

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	22.67	22.43	22.64
			1	1	26.24	26.07	26.21
			1	26	26.39	26.11	26.41
			1	49	26.20	26.19	26.43
			1	50	22.65	22.56	22.80
			50	0	25.87	25.61	25.91
		QPSK	1	0	22.64	22.40	22.66
			1	1	26.26	25.98	26.10
			1	26	26.15	26.01	26.26
			1	49	26.18	26.08	26.32
			1	50	22.58	22.47	22.76
			50	0	25.33	25.12	25.30
		16QAM	1	1	25.07	25.12	25.00
			1	26	25.02	25.15	25.26
			1	49	25.26	25.21	25.25
		64QAM	1	1	23.67	23.45	23.52
		256QAM	1	1	21.45	21.24	21.38
	CP-OFDM	QPSK	1	1	24.85	24.58	24.80
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	22.74	22.53	22.82
			1	1	26.34	26.12	26.39
			1	19	26.30	26.08	26.42
			1	36	26.40	26.23	26.53
			1	37	22.75	22.65	22.93
			36	0	25.85	25.65	25.89
		QPSK	1	0	22.74	22.48	22.84
			1	1	26.27	26.02	26.34
			1	19	26.16	25.98	26.26
			1	36	26.27	26.12	26.46
			1	37	22.75	22.60	22.87
			36	0	25.25	25.09	25.42
		16QAM	1	1	25.21	24.87	25.07
			1	19	25.17	24.84	25.20
			1	36	25.20	25.00	25.21
		64QAM	1	1	23.64	23.49	23.74
		256QAM	1	1	21.56	21.33	21.44
	CP-OFDM	QPSK	1	1	24.93	24.64	24.82
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	22.73	22.48	22.78
			1	1	26.37	26.11	26.42
			1	12	26.36	26.06	26.44
			1	22	26.34	26.14	26.43
			1	23	22.65	22.49	22.84
			24	0	25.82	25.64	25.80
		QPSK	1	0	22.73	22.51	22.81
			1	1	26.37	26.03	26.37
			1	12	26.26	26.04	26.34
			1	22	26.26	26.10	26.45
			1	23	22.67	22.45	22.78
			24	0	25.03	25.10	25.33
		16QAM	1	1	25.28	25.00	25.09
			1	12	25.13	24.83	25.25
			1	22	25.22	24.90	25.20
		64QAM	1	1	23.75	23.51	23.72
		256QAM	1	1	21.58	21.26	21.49
	CP-OFDM	QPSK	1	1	24.90	24.67	24.91

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

Maximum Average Power (dBm) SRS2			Tune-up Limit	Maximum Average Power (dBm) SRS3			Tune-up Limit	Maximum Average Power (dBm) SRS4			Tune-up Limit
			24.0				26.0				24.5
BW (MHz)	RB Allocation	RB offset	MPR	BW (MHz)	RB Allocation	RB offset	MPR	BW (MHz)	RB Allocation	RB offset	MPR
	1	1	0.0		1	1	0.0		1	1	0.0
	Measured Pwr (dBm)				Measured Pwr (dBm)				Measured Pwr (dBm)		
100 MHz	509202	518598	528000	100 MHz	509202	518598	528000	100 MHz	509202	518598	528000
	2546.01 MHz	2592.99 MHz	2640.00 MHz		2546.01 MHz	2592.99 MHz	2640.00 MHz		2546.01 MHz	2592.99 MHz	2640.00 MHz
	22.45	22.79	22.68		25.21	25.58	25.51		22.87	23.36	23.48
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
	22.38	22.61	22.61		25.14	25.51	25.46		22.85	23.31	23.34
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
	22.23	22.57	22.48		25.01	25.47	25.33		22.61	23.21	23.27
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
	22.25	22.45	22.45		24.99	25.43	25.36		22.75	23.38	23.24
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
	22.21	22.38	22.47		24.94	25.32	25.31		22.63	23.35	23.11
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
	22.36	22.48	22.68		25.05	25.41	25.38		22.59	23.31	23.38
45 MHz	503700	518598	533496	45 MHz	503700	518598	533496	45 MHz	503700	518598	533496
	2518.50 MHz	2592.99 MHz	2667.48 MHz		2518.50 MHz	2592.99 MHz	2667.48 MHz		2518.50 MHz	2592.99 MHz	2667.48 MHz
	22.41	22.66	22.81		25.19	25.61	25.41		22.61	23.31	23.36
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
	22.36	22.51	22.61		25.07	25.56	25.31		22.59	23.25	23.18
35 MHz	502704	518598	534498	35 MHz	502704	518598	534498	35 MHz	502704	518598	534498
	2513.52 MHz	2592.99 MHz	2672.49 MHz		2513.52 MHz	2592.99 MHz	2672.49 MHz		2513.52 MHz	2592.99 MHz	2672.49 MHz
	22.24	22.43	22.60		24.96	25.47	25.26		22.63	23.27	23.27
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
	22.29	22.48	22.73		25.06	25.48	25.21		22.62	23.34	22.14
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
	22.33	22.51	22.68		25.17	25.51	25.23		22.59	23.38	23.25
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
	22.31	22.55	22.72		25.16	25.46	25.18		22.55	23.31	23.21
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
	22.38	22.49	22.81		25.13	25.41	25.22		22.51	23.28	23.19
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
	22.34	22.56	22.87		25.11	25.46	25.25		22.53	23.29	23.31

NR Band n66 (ANT B)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	346500	349000	351500
					1732.50 MHz	1745.00 MHz	1757.50 MHz
45 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.62	23.32	23.10
			1	1	24.56	24.48	24.49
			1	121	24.51	24.43	24.41
			1	240	24.48	24.38	24.36
			1	241	22.98	23.14	23.05
			240	0	23.54	23.34	23.44
		QPSK	1	0	22.98	22.91	22.64
			1	1	24.73	24.58	24.43
			1	121	24.27	24.25	24.32
			1	240	24.35	24.33	24.36
			1	241	22.50	22.66	22.60
			240	0	23.37	23.47	23.36
		16QAM	1	0	22.09	21.79	21.89
			1	1	23.36	23.37	23.39
			1	121	23.42	23.43	23.34
			1	240	23.26	23.31	23.30
			1	241	21.61	21.89	21.85
			240	0	21.74	21.61	21.60
		64QAM	1	1	21.99	22.03	22.06
		256QAM	1	1	19.64	19.45	19.59
	CP-OFDM	QPSK	1	0	21.36	21.22	20.72
			1	1	22.63	22.54	22.29
			1	121	22.34	22.16	22.29
			1	240	22.33	22.22	22.14
			1	241	20.75	20.88	20.97
			242	0	20.88	20.74	20.74
		16QAM	1	0	21.14	21.21	21.09
			1	1	22.16	22.28	22.03
			1	121	22.01	21.96	21.71
			1	240	21.78	21.97	21.54
			1	241	20.74	20.99	20.62
			242	0	20.76	20.62	20.65
		64QAM	1	1	20.40	20.58	20.45
		256QAM	1	1	17.84	17.53	17.35
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	23.61	23.25	23.08
			1	1	24.32	24.40	24.39
			1	107	24.21	24.24	24.26
			1	214	24.23	24.32	24.31
			1	215	22.91	23.05	23.11
			216	0	23.21	23.22	23.27
		QPSK	1	0	22.93	22.85	22.69
			1	1	24.35	24.42	24.43
			1	107	24.22	24.28	24.28
			1	214	24.27	24.21	24.31
			1	215	22.48	22.61	22.58
			216	0	23.30	23.24	23.17
		16QAM	1	1	23.20	23.10	23.16
			1	107	23.08	23.06	23.02
			1	214	23.07	22.97	23.10
		64QAM	1	1	22.09	22.09	22.07
		256QAM	1	1	19.25	19.12	19.32
	CP-OFDM	QPSK	1	0	22.99	23.01	23.02

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	345500	349000	352500
					1727.50 MHz	1745.00 MHz	1762.50 MHz
35 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.50	23.20	22.90
			1	1	24.66	24.45	24.12
			1	93	24.56	24.47	24.28
			1	186	24.16	24.26	24.16
			1	187	22.98	22.94	22.99
			180	0	23.48	23.40	23.17
		QPSK	1	0	23.00	22.75	22.58
			1	1	24.66	24.49	24.16
			1	93	24.46	24.39	24.23
			1	186	24.18	24.28	24.12
			1	187	22.51	22.60	22.58
			180	0	23.48	23.35	23.17
		16QAM	1	1	23.53	23.32	22.99
			1	93	23.33	23.10	22.97
			1	186	23.08	23.05	22.95
		64QAM	1	1	22.25	22.11	21.76
		256QAM	1	1	19.54	19.37	19.08
	CP-OFDM	QPSK	1	1	23.11	23.12	22.71
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	23.55	23.24	22.96
			1	1	24.73	24.56	24.26
			1	79	24.52	24.36	24.26
			1	158	24.44	24.23	24.18
			1	159	23.18	22.99	23.07
			160	0	23.51	23.34	23.35
		QPSK	1	0	23.09	22.80	22.56
			1	1	24.77	24.51	24.35
			1	79	24.54	24.15	24.07
			1	158	24.39	24.21	24.14
			1	159	22.67	22.55	22.58
			160	0	23.51	23.40	23.28
		16QAM	1	1	23.61	23.36	23.02
			1	79	23.31	23.08	23.04
			1	158	23.19	23.06	23.03
		64QAM	1	1	22.31	22.09	21.94
		256QAM	1	1	19.66	19.47	19.26
	CP-OFDM	QPSK	1	1	23.21	22.97	22.93
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	23.63	23.30	23.00
			1	1	24.59	24.52	23.15
			1	66	24.37	24.37	24.22
			1	131	24.35	24.33	24.07
			1	132	23.24	23.00	23.06
			128	0	23.53	23.35	23.45
		QPSK	1	0	23.08	22.85	22.64
			1	1	24.68	24.56	24.32
			1	66	24.53	24.41	24.34
			1	131	24.41	24.30	24.21
			1	132	22.83	22.52	22.58
			128	0	23.42	23.25	23.29
		16QAM	1	1	23.60	23.38	23.01
			1	66	23.25	23.12	23.06
			1	131	23.24	23.07	23.06
		64QAM	1	1	22.28	22.18	21.95
		256QAM	1	1	19.61	19.46	19.26
	CP-OFDM	QPSK	1	1	23.21	23.03	22.97

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	23.44	23.20	23.00
			1	1	24.56	24.40	24.22
			1	52	24.53	24.27	24.17
			1	104	24.33	24.30	24.12
			1	105	23.13	22.93	22.96
			100	0	23.57	23.35	23.28
		QPSK	1	0	22.98	22.64	22.59
			1	1	24.62	24.41	24.19
			1	52	24.55	24.23	24.23
			1	104	24.38	24.28	24.15
			1	105	22.76	22.51	22.49
			100	0	23.46	23.24	23.19
		16QAM	1	1	23.40	23.22	22.86
			1	52	23.16	23.00	23.02
			1	104	23.16	22.99	22.86
		64QAM	1	1	22.19	22.00	21.84
		256QAM	1	1	19.48	19.31	19.15
	CP-OFDM	QPSK	1	1	23.14	22.94	22.82
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	23.55	23.20	23.09
			1	1	24.73	24.48	24.24
			1	39	24.56	24.26	24.15
			1	77	24.39	24.32	24.11
			1	78	23.20	22.94	23.05
			75	0	23.62	23.29	23.19
		QPSK	1	0	23.04	22.69	22.63
			1	1	24.72	24.50	24.25
			1	39	24.59	24.28	24.22
			1	77	24.46	24.36	24.16
			1	78	22.90	22.57	22.53
			75	0	23.56	23.26	23.27
		16QAM	1	1	23.57	23.30	23.00
			1	39	23.25	23.06	23.04
			1	77	23.23	23.07	22.91
		64QAM	1	1	22.29	22.11	21.85
		256QAM	1	1	19.63	19.43	19.18
	CP-OFDM	QPSK	1	1	23.28	23.04	22.83
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	23.48	23.03	22.99
			1	1	24.63	24.32	24.24
			1	25	24.60	24.33	24.26
			1	50	24.52	24.17	24.13
			1	51	23.29	22.93	22.86
			50	0	23.65	23.34	23.24
		QPSK	1	0	23.01	22.69	22.53
			1	1	24.64	24.30	24.16
			1	25	24.64	24.15	24.27
			1	50	24.57	24.22	24.17
			1	51	22.93	22.51	22.40
			50	0	23.64	23.32	23.28
		16QAM	1	1	23.48	23.11	22.99
			1	25	23.37	23.04	23.02
			1	50	23.16	23.08	22.98
		64QAM	1	1	22.27	21.93	21.78
		256QAM	1	1	19.54	19.29	19.17
	CP-OFDM	QPSK	1	1	23.17	22.89	22.77

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	23.57	23.11	23.02
			1	1	24.67	24.40	24.16
			1	12	24.50	24.40	24.19
			1	23	24.53	24.40	24.17
			1	24	23.47	23.15	23.01
			25	0	23.62	23.36	23.19
		QPSK	1	0	23.12	22.71	22.63
			1	1	24.68	24.43	24.25
			1	12	24.70	24.42	24.23
			1	23	24.69	24.33	24.20
			1	24	23.05	22.66	22.55
			25	0	23.67	23.32	23.25
		16QAM	1	1	23.52	23.12	23.01
			1	12	23.45	23.08	22.97
			1	23	23.35	23.12	22.94
		64QAM	1	1	22.22	22.01	21.81
		256QAM	1	1	19.54	19.32	19.15
	CP-OFDM	QPSK	1	1	23.16	23.24	22.72

NR Band n66 (ANT F)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	346500	349000	351500
					1732.50 MHz	1745.00 MHz	1757.50 MHz
45 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.26	23.28	23.22
			1	1	24.43	24.46	24.31
			1	121	24.37	24.31	24.29
			1	240	24.25	24.26	24.21
			1	241	23.35	23.20	23.15
			240	0	23.58	23.65	23.61
		QPSK	1	0	22.73	22.81	22.75
			1	1	24.44	24.45	24.39
			1	121	24.41	24.37	24.39
			1	240	24.43	24.36	24.37
			1	241	21.88	22.76	22.64
			240	0	23.32	23.38	23.31
		16QAM	1	0	21.96	21.74	21.81
			1	1	23.34	23.26	23.27
			1	121	23.25	23.21	23.28
			1	240	23.31	23.33	23.34
			1	241	21.74	21.86	21.58
			240	0	20.86	21.87	21.82
		64QAM	1	1	21.98	22.01	21.96
		256QAM	1	1	19.52	19.68	19.73
	CP-OFDM	QPSK	1	0	20.86	20.80	20.87
			1	1	22.55	22.68	22.68
			1	121	22.52	22.58	22.50
			1	240	22.55	22.72	22.47
			1	241	20.96	20.82	20.78
			242	0	20.93	21.00	20.90
		16QAM	1	0	21.02	20.88	20.87
			1	1	21.97	21.80	21.77
			1	121	22.00	21.94	21.85
			1	240	21.95	21.78	21.56
			1	241	20.98	20.94	20.67
			242	0	20.84	20.86	20.81
		64QAM	1	1	20.78	20.16	20.32
		256QAM	1	1	17.76	17.24	17.24
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	23.24	23.21	23.20
			1	1	24.32	24.51	24.45
			1	107	24.37	24.62	24.70
			1	214	24.61	24.64	24.73
			1	215	23.52	23.13	23.16
			216	0	23.46	23.58	23.60
		QPSK	1	0	22.79	22.83	22.82
			1	1	24.32	24.47	24.45
			1	107	24.46	24.63	24.71
			1	214	24.58	24.67	24.81
			1	215	21.99	22.95	22.76
			216	0	23.44	23.59	23.62
		16QAM	1	1	23.20	23.10	23.16
			1	107	23.08	23.06	23.02
			1	214	23.07	22.97	23.10
		64QAM	1	1	22.09	22.09	22.07
		256QAM	1	1	19.25	19.12	19.32
	CP-OFDM	QPSK	1	0	22.99	23.01	23.02

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	345500	349000	352500
					1727.50 MHz	1745.00 MHz	1762.50 MHz
35 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.27	23.37	23.29
			1	1	24.30	23.23	24.16
			1	93	24.44	24.12	24.25
			1	186	24.31	24.08	23.98
			1	187	23.32	23.29	23.06
			180	0	23.29	23.14	23.17
		QPSK	1	0	22.81	22.81	22.76
			1	1	24.30	23.26	24.24
			1	93	24.42	24.43	24.26
			1	186	24.20	24.20	23.79
			1	187	22.86	22.79	22.64
			180	0	23.33	23.29	23.16
		16QAM	1	1	23.11	23.16	22.98
			1	93	23.21	23.06	23.00
			1	186	22.97	23.06	22.71
		64QAM	1	1	21.93	21.94	21.84
		256QAM	1	1	19.18	19.19	19.15
	CP-OFDM	QPSK	1	1	22.87	22.86	22.87
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	23.27	23.32	23.25
			1	1	24.41	24.64	24.29
			1	79	24.30	24.34	24.24
			1	158	24.36	24.65	24.07
			1	159	23.34	23.32	23.09
			160	0	23.44	23.30	23.12
		QPSK	1	0	22.75	22.83	22.70
			1	1	24.37	24.37	24.36
			1	79	24.34	24.32	24.26
			1	158	24.27	24.21	24.05
			1	159	22.95	22.80	22.63
			160	0	23.40	23.33	23.17
		16QAM	1	1	23.19	23.18	23.02
			1	79	23.18	23.08	22.95
			1	158	23.12	23.06	22.81
		64QAM	1	1	21.94	21.94	21.96
		256QAM	1	1	19.31	19.31	19.26
	CP-OFDM	QPSK	1	1	22.97	22.90	23.00
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	23.43	23.35
			1	1	24.36	24.40	24.33
			1	66	24.38	24.37	24.31
			1	131	24.25	24.26	24.01
			1	132	23.28	23.32	23.06
			128	0	23.33	23.31	23.08
		QPSK	1	0	22.86	22.92	22.90
			1	1	24.35	24.40	24.26
			1	66	24.41	24.40	24.18
			1	131	24.29	24.30	24.02
			1	132	22.92	22.80	22.66
			128	0	23.24	23.36	23.05
		16QAM	1	1	23.20	23.25	22.99
			1	66	23.05	23.08	22.94
			1	131	23.12	23.02	22.79
		64QAM	1	1	21.95	21.98	21.98
		256QAM	1	1	19.24	19.26	19.27
	CP-OFDM	QPSK	1	1	22.94	22.86	22.96

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	23.22	23.26	23.22
			1	1	24.22	24.28	24.09
			1	52	24.28	24.17	24.10
			1	104	24.26	24.20	24.01
			1	105	23.24	23.24	23.04
			100	0	23.27	23.36	23.14
		QPSK	1	0	22.71	22.77	22.74
			1	1	24.28	24.26	24.13
			1	52	24.22	24.32	24.06
			1	104	24.30	24.16	24.00
			1	105	22.81	22.76	22.51
			100	0	23.30	23.24	23.10
		16QAM	1	1	23.09	23.16	23.01
			1	52	23.02	23.12	22.98
			1	104	23.14	23.07	22.85
		64QAM	1	1	21.84	21.91	21.72
		256QAM	1	1	19.18	19.18	19.01
	CP-OFDM	QPSK	1	1	22.83	22.84	22.67
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	23.34	23.40	23.21
			1	1	24.39	24.37	24.17
			1	39	24.29	24.35	24.03
			1	77	24.26	24.25	24.01
			1	78	23.26	23.28	23.04
			75	0	23.26	23.26	23.07
		QPSK	1	0	22.86	22.89	22.82
			1	1	24.40	24.35	24.16
			1	39	24.28	24.24	24.03
			1	77	24.38	24.27	24.07
			1	78	22.76	22.79	22.58
			75	0	23.33	23.27	23.07
		16QAM	1	1	23.23	23.23	23.16
			1	39	23.07	23.02	22.93
			1	77	23.20	23.02	22.89
		64QAM	1	1	22.06	21.96	21.76
		256QAM	1	1	19.29	19.27	19.11
	CP-OFDM	QPSK	1	1	22.99	22.93	22.75
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	23.26	23.29	23.10
			1	1	24.29	24.30	24.05
			1	25	24.30	24.33	24.08
			1	50	24.26	24.27	24.01
			1	51	23.18	23.19	22.94
			50	0	23.35	23.37	23.08
		QPSK	1	0	22.77	22.73	22.71
			1	1	24.37	24.34	24.08
			1	25	24.25	24.36	24.12
			1	50	24.18	24.27	24.01
			1	51	22.74	22.71	22.50
			50	0	23.33	23.38	23.08
		16QAM	1	1	23.14	23.19	22.97
			1	25	23.06	23.09	22.88
			1	50	23.05	23.00	22.86
		64QAM	1	1	21.98	21.97	21.63
		256QAM	1	1	19.22	19.28	18.98
	CP-OFDM	QPSK	1	1	22.85	22.87	22.74

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	23.39	23.40	23.09
			1	1	24.35	24.42	24.12
			1	13	24.36	24.34	24.10
			1	23	24.34	24.20	24.08
			1	24	23.38	23.32	23.14
			25	0	23.32	23.31	23.11
		QPSK	1	0	22.80	22.76	22.69
			1	1	24.36	24.27	24.15
			1	13	24.40	24.25	24.17
			1	23	24.32	24.26	24.13
			1	24	22.79	22.80	22.56
			25	0	23.31	23.35	23.04
		16QAM	1	1	23.16	23.11	22.85
			1	13	23.07	23.11	22.80
			1	23	23.08	23.07	22.86
		64QAM	1	1	21.95	21.99	21.59
		256QAM	1	1	19.24	19.26	18.95
	CP-OFDM	QPSK	1	1	22.88	22.86	22.55

NR Band n70 (ANT B)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset		340500	
						1702.50 MHz	
15 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0		23.37	
			1	1		23.50	
			1	39		23.50	
			1	77		23.52	
			1	78		23.51	
			75	0		22.65	
		QPSK	1	0		22.90	
			1	1		23.48	
			1	39		23.59	
			1	77		23.58	
			1	78		22.95	
			75	0		22.55	
		16QAM	1	0		21.86	
			1	1		22.24	
			1	39		22.39	
			1	77		22.31	
			1	78		21.90	
			75	0		21.89	
		64QAM	1	1		21.10	
		256QAM	1	1		18.51	
	CP-OFDM	QPSK	1	0		20.94	
			1	1		22.52	
			1	39		22.65	
			1	77		22.63	
			1	78		21.12	
			75	0		21.00	
		16QAM	1	0		21.19	
			1	1		22.20	
			1	39		22.06	
			1	77		22.28	
			1	78		21.12	
			75	0		20.96	
		64QAM	1	1		20.54	
		256QAM	1	1		17.51	
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	23.33	23.35	23.45
			1	1	23.54	23.53	23.60
			1	25	23.57	23.55	23.58
			1	50	23.47	23.50	23.55
			1	51	23.51	23.50	23.49
			50	0	22.64	22.59	22.66
		QPSK	1	0	22.88	22.92	22.91
			1	1	23.49	23.54	23.64
			1	25	23.65	23.60	23.62
			1	50	23.58	23.56	23.56
			1	51	22.99	22.96	22.93
			50	0	22.66	22.65	22.69
		16QAM	1	1	22.43	22.43	22.46
			1	25	22.52	22.50	22.50
			1	50	22.49	22.44	22.36
		64QAM	1	1	21.22	21.14	21.17
		256QAM	1	1	18.44	18.45	18.61
	CP-OFDM	QPSK	1	1	22.13	22.12	22.13

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	23.59	23.58
			1	1	23.66	23.62	23.62
			1	12	23.66	23.61	23.62
			1	23	23.66	23.65	23.65
			1	24	23.41	23.59	23.59
		QPSK	25	0	22.65	22.62	22.61
			1	0	22.99	23.04	23.00
			1	1	23.67	23.57	23.70
			1	12	23.65	23.67	23.65
			1	23	23.73	23.65	23.67
			1	24	23.00	23.12	22.97
			25	0	22.68	22.66	22.65
		16QAM	1	1	22.55	22.47	22.53
			1	12	22.60	22.52	22.45
			1	23	22.62	22.51	22.42
		64QAM	1	1	21.29	21.15	21.24
		256QAM	1	1	18.56	18.44	18.51
	CP-OFDM	QPSK	1	1	22.22	22.14	22.20

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		23.06	
			1	1		24.00	
			1	39		24.07	
			1	77		24.05	
			1	78		23.11	
			75	0		23.04	
		QPSK	1	0		22.41	
			1	1		24.10	
			1	39		23.98	
			1	77		24.03	
			1	78		22.52	
			75	0		23.06	
		16QAM	1	0		21.41	
			1	1		22.87	
			1	39		23.03	
			1	77		22.76	
			1	78		21.61	
			75	0		21.59	
		64QAM	1	1		21.64	
		256QAM	1	1		18.96	
	CP-OFDM	QPSK	1	0		20.46	
			1	1		22.00	
			1	39		22.24	
			1	77		22.11	
			1	78		20.77	
			75	0		20.67	
		16QAM	1	0		20.55	
			1	1		21.75	
			1	39		21.68	
			1	77		21.63	
			1	78		20.79	
			75	0		20.69	
		64QAM	1	1		20.16	
		256QAM	1	1		17.33	
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	22.96	23.03	23.05
			1	1	24.04	23.98	24.15
			1	25	24.13	24.04	24.24
			1	50	24.18	23.99	24.13
			1	51	23.06	23.04	23.09
			50	0	23.16	23.07	23.21
		QPSK	1	0	22.38	22.53	22.53
			1	1	23.94	24.00	24.16
			1	25	24.21	23.96	24.25
			1	50	24.20	24.04	24.12
			1	51	22.54	22.54	22.58
			50	0	23.18	23.08	23.22
		16QAM	1	1	22.93	22.95	23.09
			1	25	23.14	22.94	23.04
			1	50	23.03	22.87	22.90
		64QAM	1	1	21.57	21.60	21.79
		256QAM	1	1	18.85	18.91	19.02
	CP-OFDM	QPSK	1	1	22.50	22.57	22.70

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	23.16	23.28	23.17
			1	1	24.15	24.08	23.15
			1	12	24.13	24.18	24.02
			1	23	24.14	24.20	24.08
			1	24	23.25	23.27	23.16
		QPSK	25	0	23.12	23.12	23.17
			1	0	22.52	22.67	22.79
			1	1	24.04	24.13	24.09
			1	12	24.20	24.15	24.11
			1	23	24.16	24.24	24.12
			1	24	22.65	22.66	22.81
			25	0	23.15	23.14	23.14
		16QAM	1	1	23.00	23.02	22.96
			1	12	23.14	23.00	22.96
			1	23	23.14	22.92	22.92
		64QAM	1	1	21.64	21.74	21.79
		256QAM	1	1	18.91	19.02	19.07
	CP-OFDM	QPSK	1	1	22.60	22.66	22.69

NR Band n71 (ANT A)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset		136100	
						680.50 MHz	
35 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0		23.87	
			1	1		24.45	
			1	93		24.72	
			1	186		24.60	
			1	187		24.00	
			180	0		24.07	
		QPSK	1	0		23.45	
			1	1		24.51	
			1	93		24.70	
			1	186		24.54	
			1	187		23.45	
			180	0		23.50	
		16QAM	1	0		22.18	
			1	1		23.23	
			1	93		23.28	
			1	186		23.27	
			1	187		22.27	
			180	0		22.47	
		64QAM	1	1		22.23	
		256QAM	1	1		20.21	
	CP-OFDM	QPSK	1	0		21.63	
			1	1		22.98	
			1	93		23.03	
			1	186		23.15	
			1	187		21.64	
			188	0		21.43	
		16QAM	1	0		21.36	
			1	1		22.23	
			1	93		22.28	
			1	186		22.20	
			1	187		21.16	
			188	0		21.52	
		64QAM	1	1		21.04	
		256QAM	1	1		18.18	
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	135600	136100	136600
					678.00 MHz	680.50 MHz	683.00 MHz
30 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.88	23.93	24.03
			1	1	24.50	24.50	24.64
			1	79	24.55	24.68	24.60
			1	158	24.56	24.62	24.54
			1	159	23.94	23.96	23.90
			160	0	24.10	24.08	24.18
		QPSK	1	0	23.47	23.51	23.56
			1	1	24.56	24.61	24.67
			1	79	24.53	24.55	24.52
			1	158	24.55	24.59	24.51
			1	159	23.58	23.61	23.39
			160	0	23.59	23.57	23.64
		16QAM	1	1	23.28	23.47	23.36
			1	79	23.21	23.37	23.37
			1	158	23.61	23.38	23.25
		64QAM	1	1	22.27	21.93	22.09
		256QAM	1	1	20.22	20.16	20.13
	CP-OFDM	QPSK	1	1	23.19	23.24	23.20

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	135100	136100	137100
					678.00 MHz	680.50 MHz	683.00 MHz
25 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.94	24.13	24.02
			1	1	24.48	24.68	24.62
			1	66	24.59	24.66	24.67
			1	131	24.62	24.62	24.59
			1	132	24.03	24.00	24.00
			128	0	24.18	24.07	24.11
		QPSK	1	0	23.60	23.57	23.69
			1	1	24.51	24.68	24.74
			1	66	24.55	24.68	24.59
			1	131	24.67	24.63	24.52
			1	132	23.61	23.63	23.60
			128	0	23.62	23.55	23.61
		16QAM	1	1	23.49	23.49	23.39
			1	66	23.35	23.27	23.21
			1	131	23.46	23.28	23.31
		64QAM	1	1	22.06	22.05	22.06
		256QAM	1	1	20.04	20.17	20.21
	CP-OFDM	QPSK	1	1	23.31	23.20	22.97
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	23.90	23.84	24.03
			1	1	24.34	24.49	24.68
			1	52	24.60	24.58	24.50
			1	104	24.71	24.55	24.51
			1	105	24.08	23.97	23.90
			100	0	24.23	24.33	24.28
		QPSK	1	0	23.42	23.40	23.54
			1	1	24.56	24.53	24.63
			1	52	24.50	24.60	24.50
			1	104	24.66	24.56	24.47
			1	105	23.44	23.48	23.37
			100	0	23.71	23.85	23.75
		16QAM	1	1	23.16	23.76	23.47
			1	52	23.15	23.45	23.38
			1	104	23.49	23.35	23.32
		64QAM	1	1	21.80	22.09	22.30
		256QAM	1	1	19.90	19.78	19.85
	CP-OFDM	QPSK	1	1	22.95	23.15	23.08
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	23.95	24.02	24.06
			1	1	24.42	24.61	24.62
			1	39	24.56	24.62	24.55
			1	76	24.58	24.58	24.55
			1	77	24.04	24.02	23.95
			75	0	24.29	24.34	24.30
		QPSK	1	0	23.33	23.58	23.50
			1	1	24.45	24.53	24.59
			1	39	24.37	24.55	24.51
			1	76	24.54	24.62	24.49
			1	77	23.47	23.53	23.36
			75	0	23.72	23.84	23.78
		16QAM	1	1	23.33	23.80	23.52
			1	39	23.39	23.43	23.41
			1	77	23.38	23.45	23.31
		64QAM	1	1	22.20	22.30	22.30
		256QAM	1	1	20.01	20.14	20.23
	CP-OFDM	QPSK	1	1	22.99	22.91	23.26

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	23.83	23.92	23.96
			1	1	24.38	24.56	24.56
			1	26	24.57	24.71	24.54
			1	49	24.53	24.63	24.52
			1	50	23.94	24.03	23.90
			50	0	24.17	24.35	24.24
		QPSK	1	0	23.35	23.51	23.48
			1	1	24.46	24.63	24.53
			1	26	24.47	24.62	24.51
			1	49	24.53	24.61	24.48
			1	50	23.42	23.52	23.39
			50	0	23.67	23.80	23.69
		16QAM	1	1	23.31	23.45	23.46
			1	26	23.36	23.79	23.35
			1	49	23.37	23.41	23.27
		64QAM	1	1	22.07	22.24	22.22
		256QAM	1	1	19.74	19.85	19.92
	CP-OFDM	QPSK	1	1	23.01	23.06	23.01
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	23.90	24.23	24.05
			1	1	24.53	24.71	24.71
			1	13	24.66	24.74	24.55
			1	23	24.65	24.82	24.65
			1	24	24.13	24.15	24.02
			25	0	24.29	24.40	24.31
		QPSK	1	0	23.48	23.72	23.58
			1	1	24.54	24.86	24.69
			1	13	24.60	24.61	24.51
			1	23	24.62	24.76	24.63
			1	24	23.52	23.65	23.50
			25	0	23.74	23.91	23.77
		16QAM	1	1	23.35	23.55	23.50
			1	13	23.32	23.49	23.36
			1	23	23.35	23.61	23.45
		64QAM	1	1	22.14	22.43	22.33
		256QAM	1	1	19.91	20.09	19.98
	CP-OFDM	QPSK	1	1	23.00	23.40	23.36

NR Band n71 (ANT D)

BW (MHz)	Modulation	Mode	RB Allocation	RB offset		136100		
						680.50 MHz		
35 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0		23.57		
			1	1		24.14		
			1	93		24.32		
			1	186		23.99		
			1	187		23.41		
			180	0		23.78		
		QPSK	1	0		23.08		
			1	1		24.15		
			1	93		24.38		
			1	186		24.11		
			1	187		23.04		
			180	0		23.27		
		16QAM	1	0		21.87		
			1	1		23.14		
			1	93		23.09		
			1	186		22.94		
			1	187		21.92		
			180	0		22.20		
		64QAM	1	1		21.65		
		256QAM	1	1		19.85		
	CP-OFDM	QPSK	1	0		21.13		
			1	1		22.72		
			1	93		22.70		
			1	186		22.50		
			1	187		20.98		
			188	0		21.12		
		16QAM	1	0		21.47		
			1	1		22.53		
			1	93		22.60		
			1	186		22.33		
			1	187		21.32		
			188	0		21.06		
		64QAM	1	1		20.87		
		256QAM	1	1		17.84		
BW (MHz)	Modulation	Mode	RB Allocation	RB offset	135600	136100	136600	
					678.00 MHz	680.50 MHz	683.00 MHz	
30 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0		23.55	23.53	23.56
			1	1		24.24	24.17	24.16
			1	79		24.22	24.31	24.20
			1	158		24.15	24.11	24.03
			1	159		23.50	23.56	23.39
			160	0		23.76	23.76	23.82
		QPSK	1	0		23.11	23.11	23.15
			1	1		24.15	24.19	24.18
			1	79		24.18	24.23	24.15
			1	158		24.14	24.18	24.05
			1	159		23.07	23.03	22.98
			160	0		23.13	23.23	23.16
		16QAM	1	1		23.24	22.87	23.08
			1	79		23.10	22.83	22.80
			1	158		22.96	23.00	22.99
		64QAM	1	1		21.34	21.26	21.22
		256QAM	1	1		19.54	19.88	19.92
	CP-OFDM	QPSK	1	1		22.77	22.67	22.76

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	135100	136100	137100
					678.00 MHz	680.50 MHz	683.00 MHz
25 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0	23.55	23.73	23.71
			1	1	24.19	24.24	24.22
			1	66	24.28	24.31	24.25
			1	131	24.24	24.22	24.15
			1	132	23.65	23.62	23.52
			128	0	23.73	23.74	23.67
		QPSK	1	0	23.10	23.23	23.18
			1	1	24.19	24.24	24.27
			1	66	24.25	24.32	24.21
			1	131	24.24	24.21	24.14
			1	132	23.20	23.15	23.10
			128	0	23.26	23.24	23.19
		16QAM	1	1	23.11	22.97	23.04
			1	66	22.99	22.90	22.96
			1	131	23.17	22.89	22.83
		64QAM	1	1	21.26	21.54	21.52
		256QAM	1	1	19.80	19.39	19.42
	CP-OFDM	QPSK	1	1	22.82	22.89	22.92
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	23.50	23.60	23.65
			1	1	24.11	24.24	24.31
			1	52	24.23	24.32	24.21
			1	104	24.26	24.20	24.09
			1	105	23.52	23.55	23.54
			100	0	23.97	23.82	23.83
		QPSK	1	0	23.10	23.17	23.10
			1	1	24.14	24.30	24.21
			1	52	24.15	24.27	24.22
			1	104	24.22	24.25	24.14
			1	105	23.07	23.18	23.06
			100	0	23.43	23.29	23.32
		16QAM	1	1	23.00	23.26	23.14
			1	52	22.84	23.10	23.04
			1	104	23.04	23.08	22.92
		64QAM	1	1	21.45	21.82	21.80
		256QAM	1	1	19.20	19.80	19.85
	CP-OFDM	QPSK	1	1	22.80	22.64	22.71
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	23.56	23.68	23.64
			1	1	24.15	24.20	24.22
			1	39	24.12	24.31	24.22
			1	76	24.28	24.12	24.10
			1	77	23.62	23.59	23.52
			75	0	23.91	23.93	23.74
		QPSK	1	0	23.17	23.15	23.23
			1	1	24.19	24.29	24.30
			1	39	24.16	24.25	24.03
			1	76	24.32	24.12	24.08
			1	77	23.07	23.17	23.06
			75	0	23.34	23.43	23.30
		16QAM	1	1	23.02	23.07	23.26
			1	39	22.93	23.13	23.02
			1	77	23.40	23.02	22.95
		64QAM	1	1	21.76	21.86	21.87
		256QAM	1	1	20.04	20.11	20.15
	CP-OFDM	QPSK	1	1	22.62	22.69	22.60

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	23.49	23.55	23.55
			1	1	24.12	24.18	24.17
			1	26	24.09	24.29	24.19
			1	49	24.11	24.21	23.95
			1	50	23.52	23.61	23.39
			50	0	23.82	23.93	23.55
		QPSK	1	0	23.10	23.15	23.14
			1	1	24.13	24.17	24.22
			1	26	24.07	24.25	24.17
			1	49	24.16	24.28	24.10
			1	50	23.07	23.11	23.04
			50	0	23.28	23.38	23.10
		16QAM	1	1	23.32	23.17	22.99
			1	26	22.91	23.03	22.88
			1	49	23.08	23.06	22.96
		64QAM	1	1	21.73	21.68	21.71
		256QAM	1	1	19.78	19.42	19.71
	CP-OFDM	QPSK	1	1	22.67	22.74	22.58
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	23.53	23.60	23.72
			1	1	23.75	24.20	24.28
			1	13	24.22	24.25	24.10
			1	23	24.22	24.27	24.16
			1	24	24.27	24.28	23.50
			25	0	23.95	23.69	23.72
		QPSK	1	0	23.11	23.18	23.18
			1	1	24.19	24.19	24.37
			1	13	24.35	24.14	24.12
			1	23	24.29	24.18	24.28
			1	24	24.28	24.17	23.15
			25	0	23.36	23.18	23.05
		16QAM	1	1	23.47	23.19	23.14
			1	13	23.41	23.09	22.96
			1	23	23.41	23.11	23.04
		64QAM	1	1	21.96	21.30	21.47
		256QAM	1	1	19.69	19.64	19.84
	CP-OFDM	QPSK	1	1	22.77	22.84	22.86

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

BW (MHz)	Modulation	Mode	RB Allocation	RB offset	633332		
						3499.98 MHz	
100 MHz	DFT-s-OFDM	$\pi/2$ BPSK	1	0		23.12	
			1	1		26.90	
			1	136		26.34	
			1	271		26.71	
			1	272		22.98	
			270	0		26.02	
		QPSK	1	0		22.93	
			1	1		26.91	
			1	136		26.31	
			1	271		26.70	
			1	272		22.91	
			270	0		25.57	
		16QAM	1	0		23.26	
			1	1		25.89	
			1	136		25.37	
			1	271		25.75	
			1	272		23.11	
			270	0		24.58	
		64QAM	1	1		24.01	
		256QAM	1	1		22.08	
	CP-OFDM	QPSK	1	0		23.16	
			1	1		24.45	
			1	136		24.84	
			1	271		25.45	
			1	272		23.24	
			270	0		23.53	
		16QAM	1	0		23.06	
			1	1		24.75	
			1	136		24.42	
			1	271		24.83	
			1	272		23.02	
			270	0		23.56	
		64QAM	1	1		23.01	
		256QAM	1	1		20.13	
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	22.85	22.89	22.87
			1	1	26.32	26.63	26.34
			1	123	26.17	26.03	26.08
			1	243	26.24	26.17	26.33
			1	244	22.69	22.63	22.68
			243	0	25.58	25.50	25.51
		QPSK	1	0	22.69	22.72	22.65
			1	1	26.23	26.35	26.25
			1	123	26.07	25.90	25.91
			1	243	26.14	26.06	26.05
			1	244	22.33	22.45	22.43
			243	0	25.04	25.10	24.98
		16QAM	1	1	25.46	25.70	25.41
			1	123	25.06	25.03	24.95
			1	243	25.14	25.09	25.12
		64QAM	1	1	23.40	23.30	23.24
		256QAM	1	1	22.42	22.45	22.43
	CP-OFDM	QPSK	1	1	25.31	25.39	25.39

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	22.66	22.77	22.70
			1	1	26.27	26.22	26.23
			1	108	26.03	25.89	25.78
			1	215	25.99	25.90	26.09
			1	216	22.54	22.45	22.54
			216	0	25.63	25.57	25.59
		QPSK	1	0	22.63	22.63	22.52
			1	1	26.18	26.22	26.09
			1	108	25.99	25.80	25.70
			1	215	26.00	25.87	25.98
			1	216	22.47	22.42	22.41
			216	0	25.11	25.01	25.02
		16QAM	1	1	25.31	25.34	25.29
			1	108	25.11	25.00	24.84
			1	215	25.04	25.09	25.17
		64QAM	1	1	23.40	23.21	23.27
		256QAM	1	1	22.38	21.53	22.35
	CP-OFDM	QPSK	1	1	25.31	24.94	24.74
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	22.63	22.61	22.54
			1	1	26.18	26.19	26.09
			1	94	26.16	25.97	25.87
			1	187	25.95	25.96	25.87
			1	188	22.37	22.37	22.43
			180	0	25.63	25.61	25.47
		QPSK	1	0	22.55	22.59	22.51
			1	1	26.16	26.19	26.09
			1	94	26.00	25.93	25.83
			1	187	25.94	25.94	25.93
			1	188	22.44	22.28	22.38
			180	0	25.10	25.05	24.99
		16QAM	1	1	25.28	25.29	25.15
			1	94	25.20	24.89	24.89
			1	187	25.23	25.01	25.11
		64QAM	1	1	23.32	23.13	23.25
		256QAM	1	1	22.00	22.38	22.33
	CP-OFDM	QPSK	1	1	25.31	25.30	25.35
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	22.47	22.43	22.40
			1	1	26.14	26.15	26.00
			1	80	26.11	25.88	25.82
			1	160	25.91	25.93	26.00
			1	161	22.32	22.32	22.41
			162	0	25.62	25.54	25.46
		QPSK	1	0	22.52	22.55	22.41
			1	1	26.09	26.10	25.93
			1	80	26.08	25.76	25.76
			1	160	25.95	25.86	25.85
			1	161	22.32	22.29	22.42
			162	0	25.08	25.00	24.95
		16QAM	1	1	25.05	25.17	25.02
			1	80	25.01	24.99	24.65
			1	160	24.86	25.14	24.76
		64QAM	1	1	23.30	23.36	23.21
		256QAM	1	1	21.24	21.31	21.15
	CP-OFDM	QPSK	1	1	24.76	24.75	24.59

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	22.77	22.65	22.63
			1	1	26.45	26.36	26.07
			1	66	26.40	26.20	26.15
			1	131	26.30	26.13	26.29
			1	132	22.60	22.56	22.67
			128	0	25.81	25.76	25.58
		QPSK	1	0	22.79	22.78	22.55
			1	1	26.25	26.22	26.04
			1	66	26.34	26.16	26.03
			1	131	26.24	26.12	26.20
			1	132	22.56	22.43	22.66
			128	0	25.41	25.29	25.10
		16QAM	1	1	25.41	25.23	25.10
			1	66	25.28	25.31	25.05
			1	131	25.38	25.11	25.35
		64QAM	1	1	23.56	23.51	23.39
		256QAM	1	1	21.51	21.47	21.36
	CP-OFDM	QPSK	1	1	25.00	25.17	24.78
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	22.60	22.54	22.32
			1	1	26.30	26.27	25.95
			1	52	26.23	26.07	26.04
			1	104	26.08	25.96	26.05
			1	105	22.46	22.32	22.38
			100	0	25.78	25.62	25.54
		QPSK	1	0	22.72	22.58	22.30
			1	1	26.22	26.15	25.96
			1	52	26.18	25.94	25.93
			1	104	26.05	25.85	25.96
			1	105	22.46	22.32	22.43
			100	0	25.27	25.15	25.01
		16QAM	1	1	25.05	25.11	24.88
			1	52	25.08	24.88	24.89
			1	104	24.99	24.81	24.80
		64QAM	1	1	23.39	23.42	23.20
		256QAM	1	1	21.40	21.40	21.16
	CP-OFDM	QPSK	1	1	24.96	24.96	24.61
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	22.73	22.63	22.48
			1	1	26.38	26.32	26.11
			1	39	26.22	26.11	26.04
			1	76	26.27	26.05	26.13
			1	77	22.61	22.40	22.43
			75	0	25.76	25.56	25.54
		QPSK	1	0	22.61	22.62	22.52
			1	1	26.30	26.23	26.01
			1	39	26.15	26.07	25.92
			1	76	26.21	25.96	26.03
			1	77	22.63	22.43	22.49
			75	0	25.30	25.03	25.06
		16QAM	1	1	25.21	25.12	24.89
			1	39	25.03	25.02	24.94
			1	76	25.31	24.88	24.95
		64QAM	1	1	23.60	23.51	23.26
		256QAM	1	1	21.55	21.47	21.32
	CP-OFDM	QPSK	1	1	25.00	24.94	24.95

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	22.78	22.59	22.53
			1	1	26.36	26.33	26.06
			1	32	26.39	26.11	26.09
			1	63	26.37	26.08	26.11
			1	64	22.71	22.40	22.56
			64	0	25.86	25.64	25.56
		QPSK	1	0	22.74	22.60	22.50
			1	1	26.32	26.17	26.18
			1	32	26.29	26.11	26.05
			1	63	26.23	25.86	26.05
			1	64	22.73	22.43	22.54
			64	0	25.31	25.03	25.06
		16QAM	1	1	25.17	25.04	24.99
			1	32	25.11	24.93	24.80
			1	63	25.16	24.96	24.96
		64QAM	1	1	23.59	23.43	23.31
		256QAM	1	1	21.60	21.47	21.38
	CP-OFDM	QPSK	1	1	25.05	24.93	24.86
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	22.60	22.53	22.41
			1	1	26.22	26.16	26.10
			1	26	26.16	26.00	26.08
			1	49	26.18	26.02	26.10
			1	50	22.52	22.41	22.45
			50	0	25.67	25.63	25.56
		QPSK	1	0	22.57	22.57	22.41
			1	1	26.09	26.09	25.99
			1	26	26.12	26.04	25.97
			1	49	26.13	25.93	26.06
			1	50	22.52	22.45	22.51
			50	0	25.13	25.01	25.02
		16QAM	1	1	25.05	24.97	24.93
			1	26	25.10	24.80	24.89
			1	49	25.03	24.85	24.90
		64QAM	1	1	23.42	23.30	23.25
		256QAM	1	1	21.41	21.37	21.24
	CP-OFDM	QPSK	1	1	24.88	24.80	24.66
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	22.65	22.51	22.38
			1	1	26.23	26.14	26.01
			1	19	26.20	26.12	26.06
			1	36	26.12	26.08	26.06
			1	37	22.51	22.46	22.48
			36	0	25.72	25.58	25.59
		QPSK	1	0	22.55	22.53	22.48
			1	1	26.17	26.06	25.95
			1	19	26.01	26.06	26.01
			1	36	26.03	26.04	26.06
			1	37	22.53	22.48	22.57
			36	0	25.16	25.05	25.03
		16QAM	1	1	25.04	24.96	24.84
			1	19	24.99	24.88	24.96
			1	36	24.95	24.85	24.96
		64QAM	1	1	23.43	23.33	23.24
		256QAM	1	1	21.43	21.35	21.22
	CP-OFDM	QPSK	1	1	24.83	24.80	24.64

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	22.61	22.59	22.53
			1	1	26.15	26.13	26.19
			1	12	26.08	25.97	26.09
			1	22	26.27	26.11	26.17
			1	23	22.65	22.51	22.53
		QPSK	24	0	25.70	25.58	25.61
			1	0	22.72	22.62	22.57
			1	1	26.24	26.18	26.15
			1	12	26.10	26.02	26.07
			1	22	26.21	26.09	26.17
			1	23	22.64	22.46	22.49
			24	0	25.20	25.05	25.13
		16QAM	1	1	24.94	24.97	25.06
			1	12	24.87	24.77	24.89
			1	22	25.17	24.90	25.01
		64QAM	1	1	23.41	23.45	23.40
		256QAM	1	1	21.32	21.35	21.33
	CP-OFDM	QPSK	1	1	24.92	24.79	24.74

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

Maximum Average Power (dBm) SRS2			Tune-up Limit	Maximum Average Power (dBm) SRS3			Tune-up Limit	Maximum Average Power (dBm) SRS4			Tune-up Limit
			24.0				25.0				24.0
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		633332		100 MHz		633332		100 MHz		633332	
		3499.98 MHz				3499.98 MHz				3499.98 MHz	
		23.60				24.12				23.04	
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
	23.44	23.48	23.45		23.98	23.84	23.92		23.02	23.08	23.10
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
	23.41	23.35	23.29		23.95	23.81	23.75		22.99	23.05	23.09
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
	23.38	23.22	23.13		23.93	23.81	23.69		23.01	22.98	23.01
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
	23.31	23.19	23.05		23.96	23.82	23.71		22.96	22.94	23.05
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
	23.25	23.16	22.94		24.06	23.86	23.74		22.94	22.95	22.99
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
	23.21	23.13	22.85		24.01	23.81	23.65		22.99	23.02	23.05
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
	23.16	23.01	22.83		23.98	23.77	23.51		22.94	23.06	23.02
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
	22.13	22.89	22.85		23.93	23.72	23.46		22.91	23.01	22.98
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
	23.12	22.81	22.81		23.81	23.61	23.38		22.89	22.95	22.94
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
	23.04	22.76	22.86		23.85	23.64	23.33		22.86	22.93	22.91
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
	23.06	22.64	22.91		23.87	23.65	23.32		22.84	22.91	22.88

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

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	23.13	22.68	23.21
			1	1	26.91	26.42	26.91
			1	136	26.52	26.58	26.59
			1	271	26.81	26.97	26.79
			1	272	23.09	23.20	23.09
			270	0	26.15	26.12	26.29
		QPSK	1	0	23.08	22.68	23.16
			1	1	26.86	26.42	26.93
			1	136	26.46	26.55	26.52
			1	271	26.75	26.84	26.71
			1	272	22.98	23.16	23.03
			270	0	25.50	25.62	25.78
		16QAM	1	0	23.00	22.75	23.28
			1	1	25.80	25.45	25.95
			1	136	25.15	25.45	25.55
			1	271	25.92	25.90	25.74
			1	272	22.87	23.05	22.98
			270	0	24.44	24.56	24.72
		64QAM	1	1	23.80	23.50	24.11
		256QAM	1	1	21.97	21.62	22.15
	CP-OFDM	QPSK	1	0	23.35	22.78	23.28
			1	1	25.33	24.98	25.41
			1	136	24.92	25.04	25.07
			1	271	25.19	25.37	25.18
			1	272	23.09	23.29	23.11
			270	0	23.49	23.65	23.75
		16QAM	1	0	23.26	22.87	23.27
			1	1	24.95	24.65	24.78
			1	136	24.41	24.70	24.43
			1	271	24.60	24.96	24.79
			1	272	23.09	23.30	23.09
			270	0	23.55	23.66	23.76
		64QAM	1	1	22.91	22.66	23.23
		256QAM	1	1	20.22	19.79	20.31
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	23.24	22.89	23.36
			1	1	26.87	26.51	26.92
			1	123	26.58	26.70	26.63
			1	243	26.81	26.93	26.82
			1	244	23.08	23.43	23.28
			243	0	26.13	26.18	26.20
		QPSK	1	0	23.30	22.93	23.26
			1	1	26.81	26.54	26.88
			1	123	26.51	26.70	26.60
			1	243	26.74	26.98	26.81
			1	244	23.19	23.45	23.25
			243	0	25.60	25.69	25.69
		16QAM	1	1	25.87	25.42	25.90
			1	123	25.58	25.62	25.60
			1	243	25.77	25.96	25.82
		64QAM	1	1	23.99	23.78	24.16
		256QAM	1	1	22.21	21.80	22.26
	CP-OFDM	QPSK	1	1	25.42	25.21	25.48

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	23.25	22.78	23.26
			1	1	26.85	26.43	26.86
			1	108	26.58	26.70	26.59
			1	215	26.65	26.97	26.79
			1	216	22.97	23.32	23.22
			216	0	26.07	26.26	26.30
		QPSK	1	0	23.22	22.83	23.26
			1	1	26.81	26.44	26.91
			1	108	26.55	26.69	26.61
			1	215	26.60	26.97	26.81
			1	216	22.89	23.36	23.21
			216	0	25.54	25.76	25.76
		16QAM	1	1	25.71	25.40	25.82
			1	108	25.51	25.58	25.51
			1	215	25.60	25.85	25.81
		64QAM	1	1	23.89	23.66	24.13
		256QAM	1	1	22.21	21.86	22.16
	CP-OFDM	QPSK	1	1	25.38	25.11	25.44
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	23.16	22.83	23.09
			1	1	26.81	26.47	26.75
			1	94	26.62	26.69	26.67
			1	187	26.56	26.92	26.80
			1	188	22.85	23.30	23.15
			180	0	26.19	26.28	26.24
		QPSK	1	0	23.09	22.80	23.04
			1	1	26.69	26.29	26.68
			1	94	26.51	26.62	26.49
			1	187	26.48	26.89	26.72
			1	188	22.90	23.23	23.15
			180	0	25.57	25.74	25.80
		16QAM	1	1	25.66	25.41	25.61
			1	94	25.43	25.53	25.47
			1	187	25.45	25.75	25.72
		64QAM	1	1	24.05	23.73	24.11
		256QAM	1	1	21.86	21.55	21.88
	CP-OFDM	QPSK	1	1	25.37	25.19	25.36
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	23.11	22.79	22.98
			1	1	26.65	26.41	26.59
			1	80	26.66	26.64	26.56
			1	160	26.46	26.85	26.56
			1	161	22.93	23.23	23.05
			162	0	26.06	26.13	26.18
		QPSK	1	0	23.03	22.74	23.00
			1	1	26.66	26.41	26.59
			1	80	26.43	26.51	26.54
			1	160	26.48	26.84	26.55
			1	161	22.88	23.16	23.01
			162	0	25.62	25.62	25.63
		16QAM	1	1	25.59	25.32	25.45
			1	80	25.41	25.46	25.47
			1	160	25.42	25.75	25.54
		64QAM	1	1	24.02	23.80	23.92
		256QAM	1	1	21.80	21.63	21.82
	CP-OFDM	QPSK	1	1	25.26	25.06	25.28

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	23.30	23.16	22.79
			1	1	26.90	26.83	26.41
			1	66	26.89	26.95	26.56
			1	131	26.64	26.88	26.64
			1	132	23.16	23.47	23.02
			128	0	26.34	26.33	26.03
		QPSK	1	0	23.26	23.15	22.84
			1	1	26.83	26.66	26.34
			1	66	26.80	26.83	26.43
			1	131	26.71	26.96	26.52
			1	132	23.10	23.40	23.02
			128	0	25.86	25.90	25.56
		16QAM	1	1	25.71	25.71	25.23
			1	66	25.75	25.79	25.49
			1	131	25.50	25.86	25.46
		64QAM	1	1	24.27	24.07	23.66
		256QAM	1	1	22.00	21.99	21.59
	CP-OFDM	QPSK	1	1	25.41	25.38	25.08
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	23.15	22.84	22.59
			1	1	26.74	26.56	26.18
			1	52	26.79	26.71	26.27
			1	104	26.59	26.87	26.44
			1	105	22.98	23.17	22.84
			100	0	26.27	26.19	25.81
		QPSK	1	0	23.21	22.83	22.55
			1	1	26.72	26.42	26.15
			1	52	26.68	26.70	26.26
			1	104	26.55	26.83	26.37
			1	105	22.96	23.15	22.80
			100	0	25.70	25.70	25.31
		16QAM	1	1	25.63	25.57	25.04
			1	52	25.59	25.49	25.09
			1	104	25.47	25.63	25.32
		64QAM	1	1	24.06	23.83	23.43
		256QAM	1	1	21.96	21.69	21.31
	CP-OFDM	QPSK	1	1	25.39	25.06	24.93
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	23.18	23.08	22.70
			1	1	26.75	26.71	26.40
			1	39	26.79	26.79	26.27
			1	76	26.75	26.84	26.47
			1	77	23.15	23.25	22.85
			75	0	26.24	26.14	25.86
		QPSK	1	0	23.13	23.03	22.77
			1	1	26.71	26.62	26.29
			1	39	26.67	26.71	26.19
			1	76	26.71	26.86	26.36
			1	77	23.11	23.24	22.84
			75	0	25.75	25.73	25.35
		16QAM	1	1	25.64	25.57	25.26
			1	39	25.62	25.60	25.10
			1	76	25.55	25.75	25.30
		64QAM	1	1	24.10	24.04	23.64
		256QAM	1	1	21.95	21.90	21.52
	CP-OFDM	QPSK	1	1	25.35	25.14	25.04

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	23.31	23.11	22.84
			1	1	26.80	26.74	26.47
			1	32	26.85	26.89	26.39
			1	63	26.76	26.89	26.49
			1	64	23.08	23.27	22.89
			64	0	26.23	26.22	25.89
		QPSK	1	0	23.15	23.10	22.80
			1	1	26.70	26.64	26.35
			1	32	26.79	26.69	26.28
			1	63	26.54	26.84	26.38
			1	64	23.03	23.23	22.88
			64	0	25.73	25.70	25.28
		16QAM	1	1	25.63	25.63	25.21
			1	32	25.62	25.50	25.09
			1	63	25.64	25.73	25.36
		64QAM	1	1	24.15	24.10	23.73
		256QAM	1	1	22.00	21.95	21.57
	CP-OFDM	QPSK	1	1	25.40	25.21	24.95
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	23.10	23.04	22.69
			1	1	26.75	26.68	26.34
			1	26	26.73	26.71	26.37
			1	49	26.70	26.78	26.42
			1	50	22.99	23.14	22.77
			50	0	26.25	26.24	25.89
		QPSK	1	0	23.10	23.00	22.65
			1	1	26.70	26.65	26.24
			1	26	26.60	26.64	26.29
			1	49	26.67	26.71	26.38
			1	50	23.06	23.16	22.84
			50	0	25.87	25.73	25.36
		16QAM	1	1	25.58	25.52	25.16
			1	26	25.54	25.54	25.19
			1	49	25.58	25.68	25.38
		64QAM	1	1	24.07	24.06	23.58
		256QAM	1	1	21.91	21.90	21.48
	CP-OFDM	QPSK	1	1	25.33	25.22	24.91
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	23.19	23.16	22.74
			1	1	26.81	26.83	26.37
			1	19	26.77	26.73	26.38
			1	36	26.89	26.93	26.51
			1	37	23.23	23.24	22.89
			36	0	26.28	26.28	25.88
		QPSK	1	0	23.19	23.14	22.74
			1	1	26.75	26.74	26.34
			1	19	26.65	26.60	26.21
			1	36	26.78	26.73	26.44
			1	37	23.24	23.21	22.90
			36	0	25.78	25.78	25.39
		16QAM	1	1	25.68	25.62	25.18
			1	19	25.64	25.57	25.20
			1	36	25.67	25.69	25.37
		64QAM	1	1	24.12	24.16	23.62
		256QAM	1	1	22.02	21.99	21.52
	CP-OFDM	QPSK	1	1	25.46	25.32	24.86

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	23.18	23.21	22.66
			1	1	26.83	26.82	26.28
			1	12	26.85	26.81	26.39
			1	22	26.95	26.84	26.40
			1	23	23.25	23.21	22.80
		QPSK	24	0	26.35	26.31	25.85
			1	0	23.21	23.16	22.69
			1	1	26.82	26.78	26.28
			1	12	26.77	26.72	26.28
			1	22	26.88	26.74	26.42
			1	23	23.28	23.20	22.80
			24	0	25.87	25.77	25.31
		16QAM	1	1	25.77	25.56	25.24
			1	12	25.65	25.54	25.07
			1	22	25.77	25.68	25.18
		64QAM	1	1	24.19	24.17	23.58
		256QAM	1	1	22.01	22.06	21.45
	CP-OFDM	QPSK	1	1	25.42	25.26	25.02

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

Maximum Average Power (dBm) SRS2			Tune-up Limit	Maximum Average Power (dBm) SRS3			Tune-up Limit	Maximum Average Power (dBm) SRS4			Tune-up Limit
			24.0				25.0				24.0
BW (MHz)	RB Allocation	RB offset	MPR	BW (MHz)	RB Allocation	RB offset	MPR	BW (MHz)	RB Allocation	RB offset	MPR
	1	1	0.0		1	1	0.0		1	1	0.0
Measured Pwr (dBm)				Measured Pwr (dBm)				Measured Pwr (dBm)			
100 MHz	650000	656000	662000	100 MHz	650000	656000	662000	100 MHz	650000	656000	662000
	3750.00 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
	22.68	22.49	22.15		24.28	24.78	24.87		23.31	22.48	22.41
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
	22.58	22.41	22.13		24.19	24.72	24.85		23.28	22.45	22.38
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
	22.52	22.35	22.08		24.08	24.68	24.81		23.22	22.40	22.36
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
	22.41	22.33	22.09		24.01	24.63	24.86		23.25	22.45	22.31
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
	22.35	22.26	22.10		24.03	24.59	24.82		23.21	22.41	22.28
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
	22.31	22.19	22.13		23.99	24.63	24.85		23.19	22.40	22.25
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
	22.26	22.16	22.08		23.95	24.61	24.82		23.17	22.43	22.24
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
	22.21	22.18	22.16		23.91	24.55	24.79		23.16	22.41	22.25
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
	22.17	22.12	22.21		23.95	24.58	24.81		23.16	22.40	22.36
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
	22.19	22.06	22.23		24.05	24.51	24.84		23.12	22.38	22.38
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
	22.26	22.05	22.18		24.02	24.49	24.80		23.09	22.31	22.33
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
	22.31	22.09	22.17		24.03	24.48	24.81		23.11	23.26	22.31

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

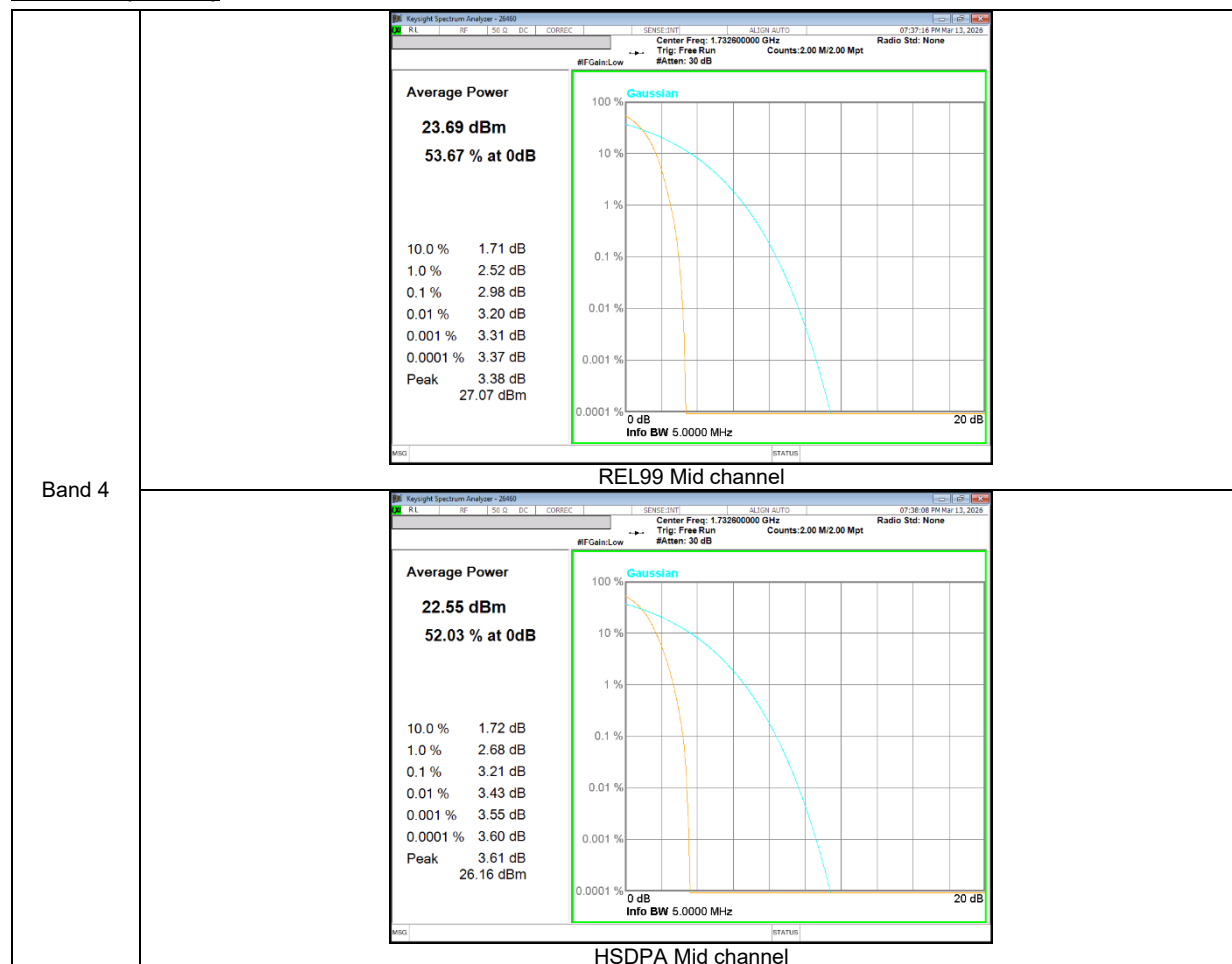
LTE: All modulations were investigated and the worst modulations (QPSK, 256QAM) are reported.
5G NR: All Waveforms (CP-OFDM vs DFT-s_OFDM) and modulations ($\pi/2$ BPSK, QPSK, 16QAM, 64QAM, 256QAM) were investigated to determine the worst case configuration. All Modes of operation were investigated and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

RESULTS

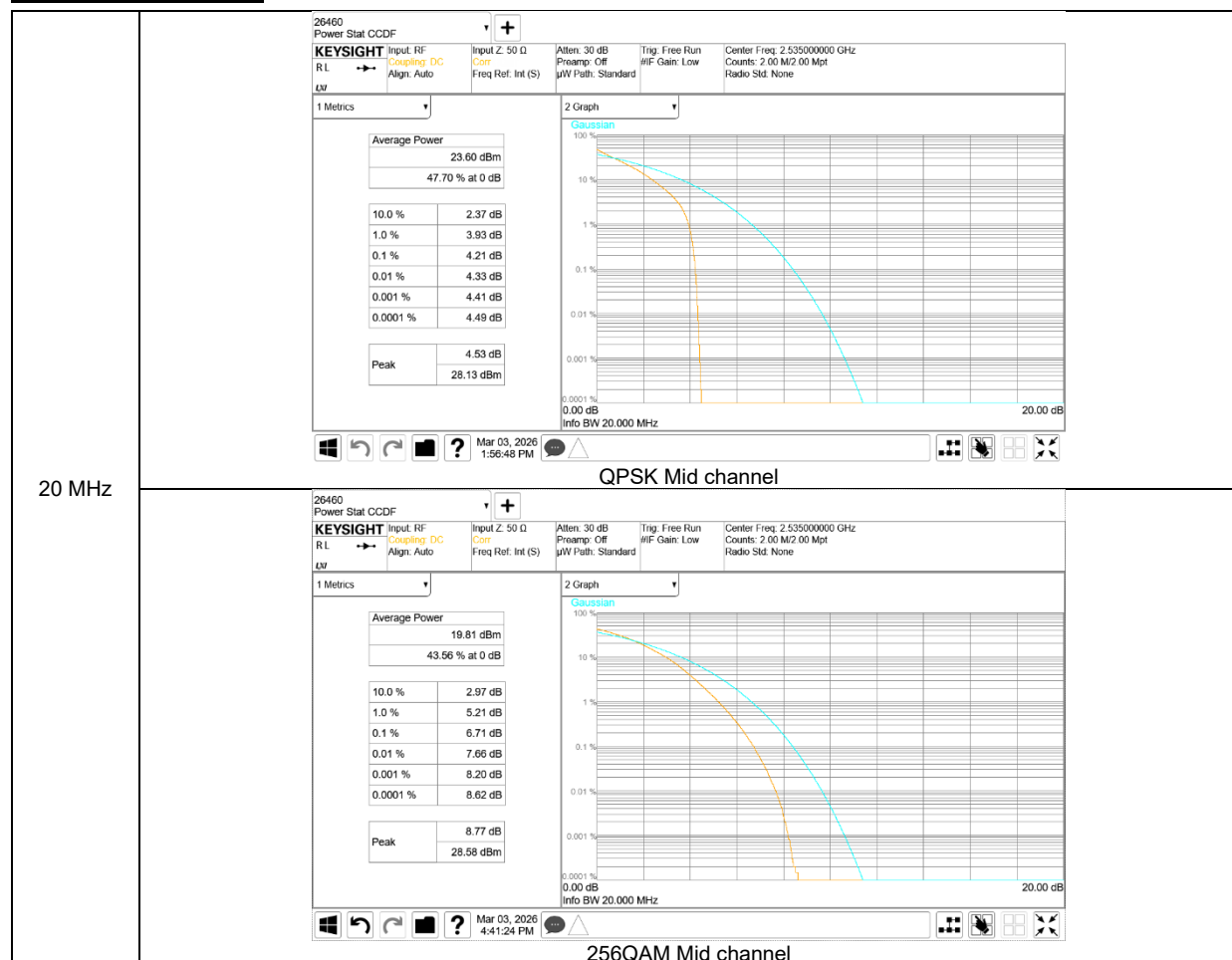
See the following pages.

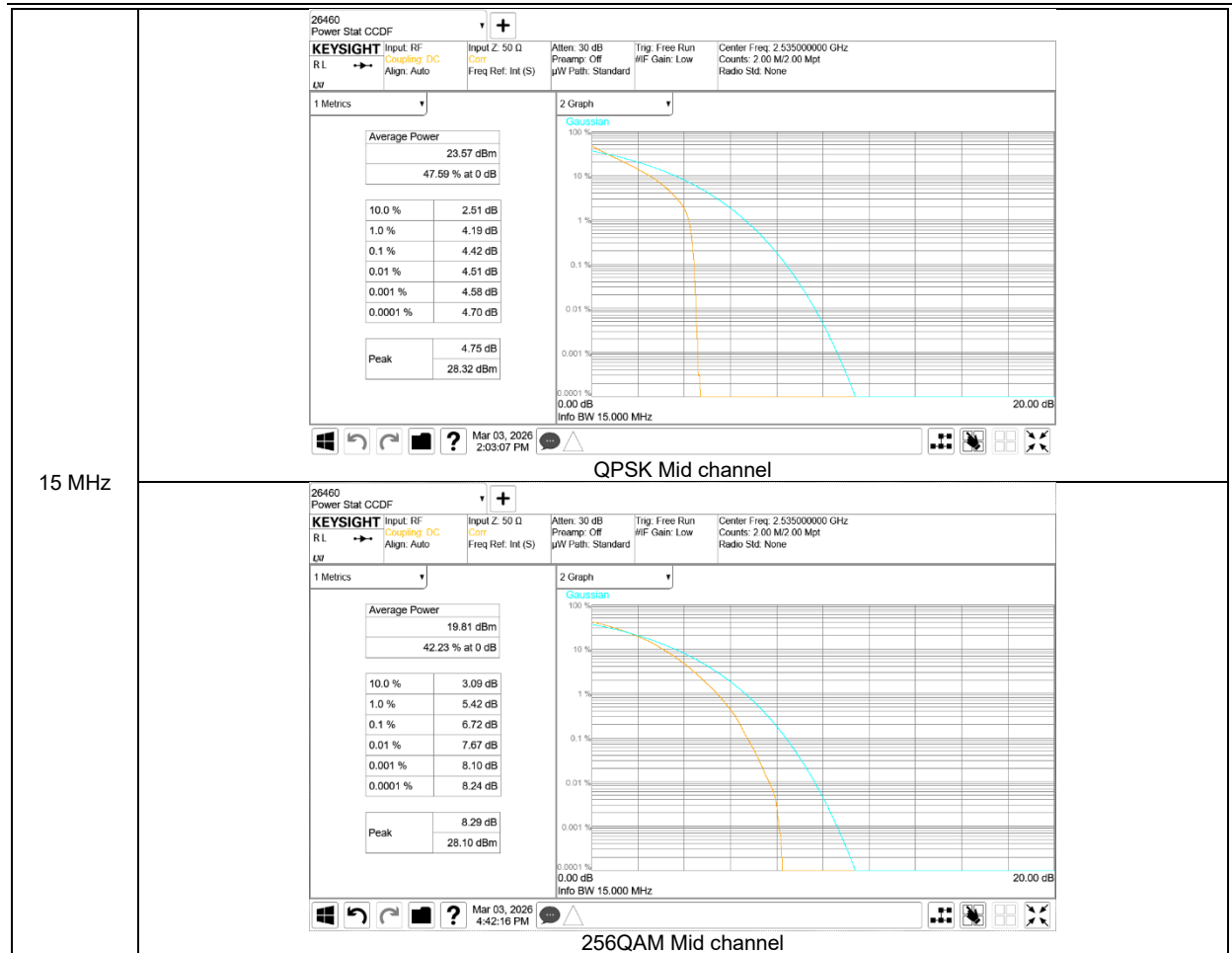
8.2.1. CONDUCTED PEAK TO AVERAGE RESULT

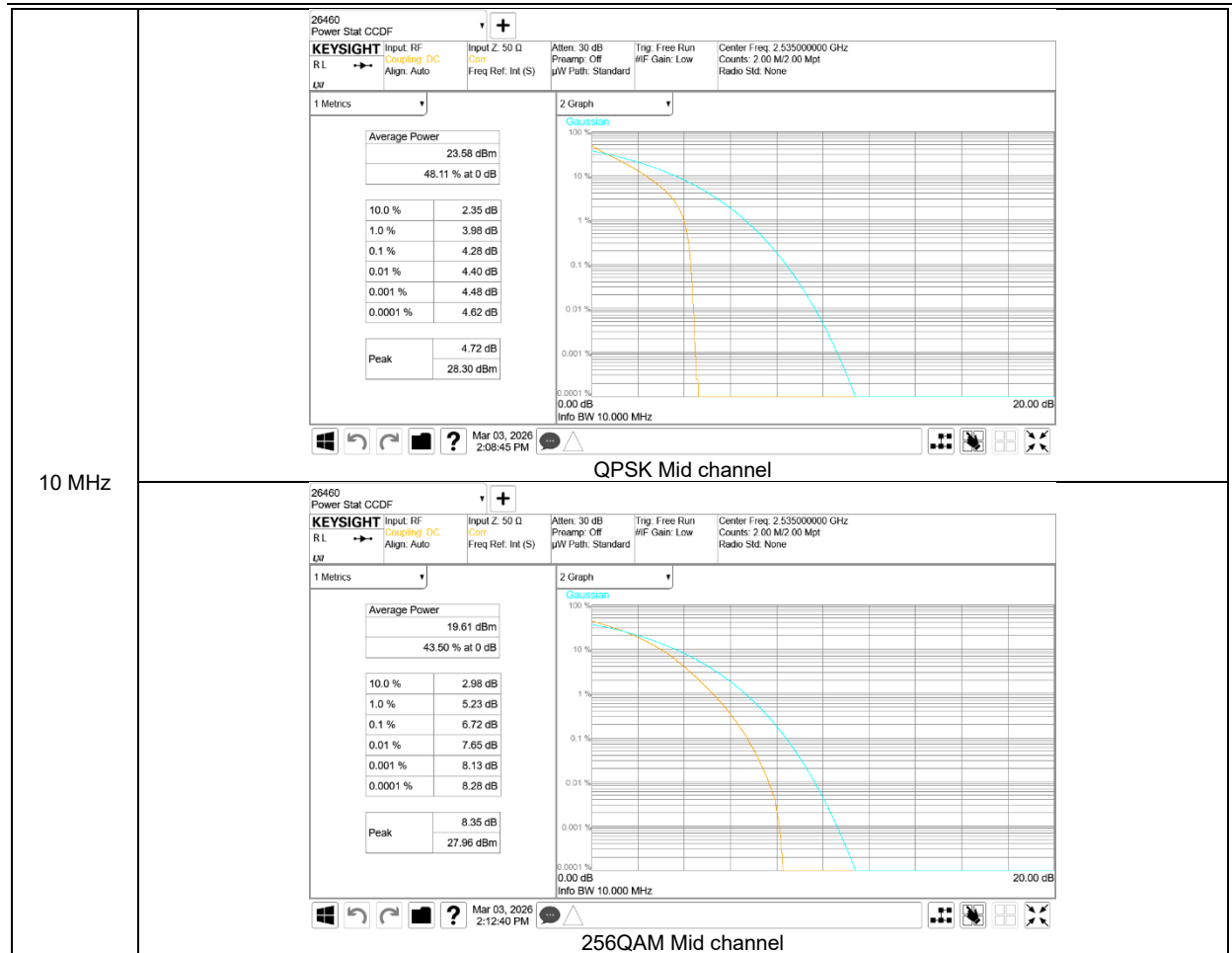
WCDMA (ANT F)

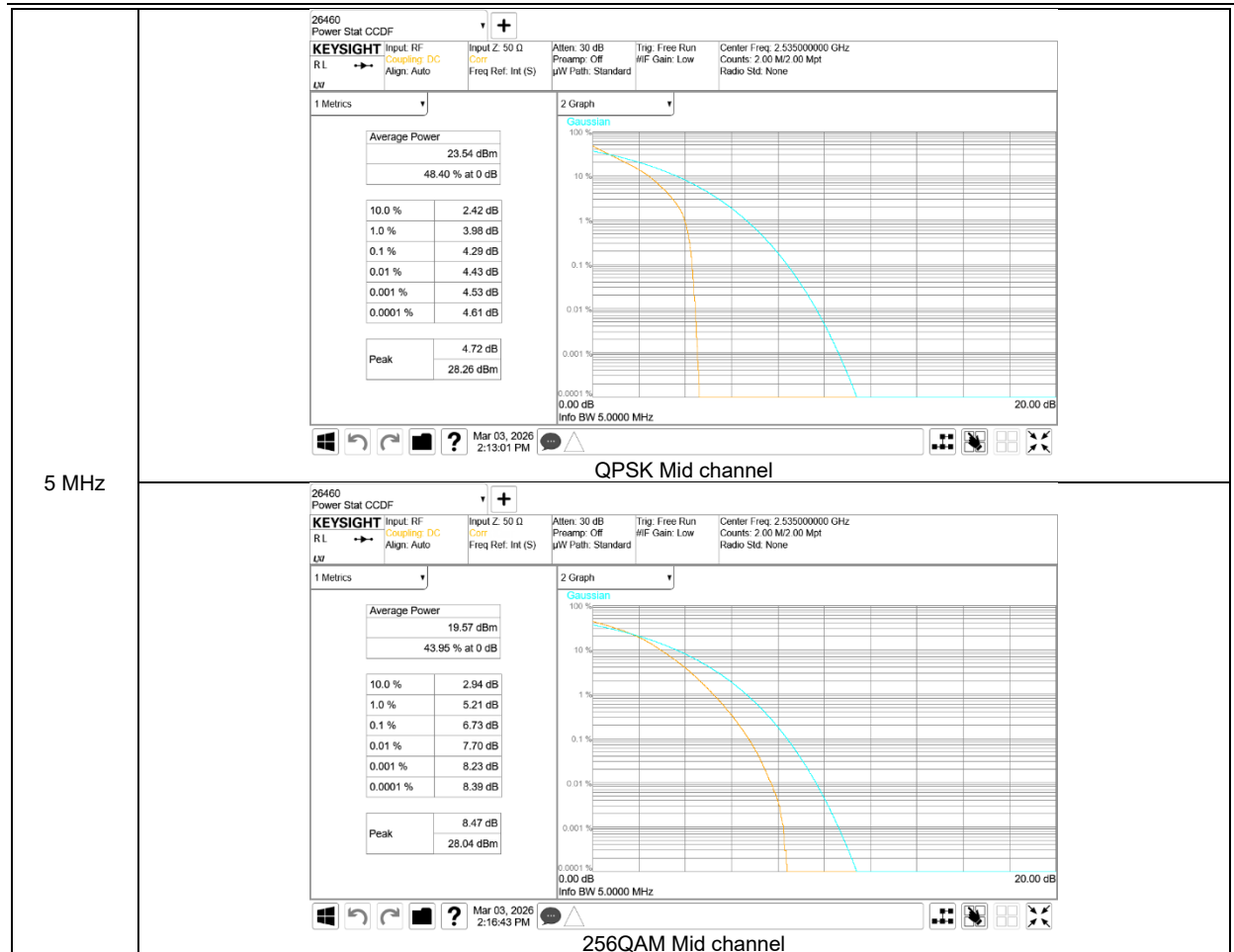


LTE Band 7 (ANT B)

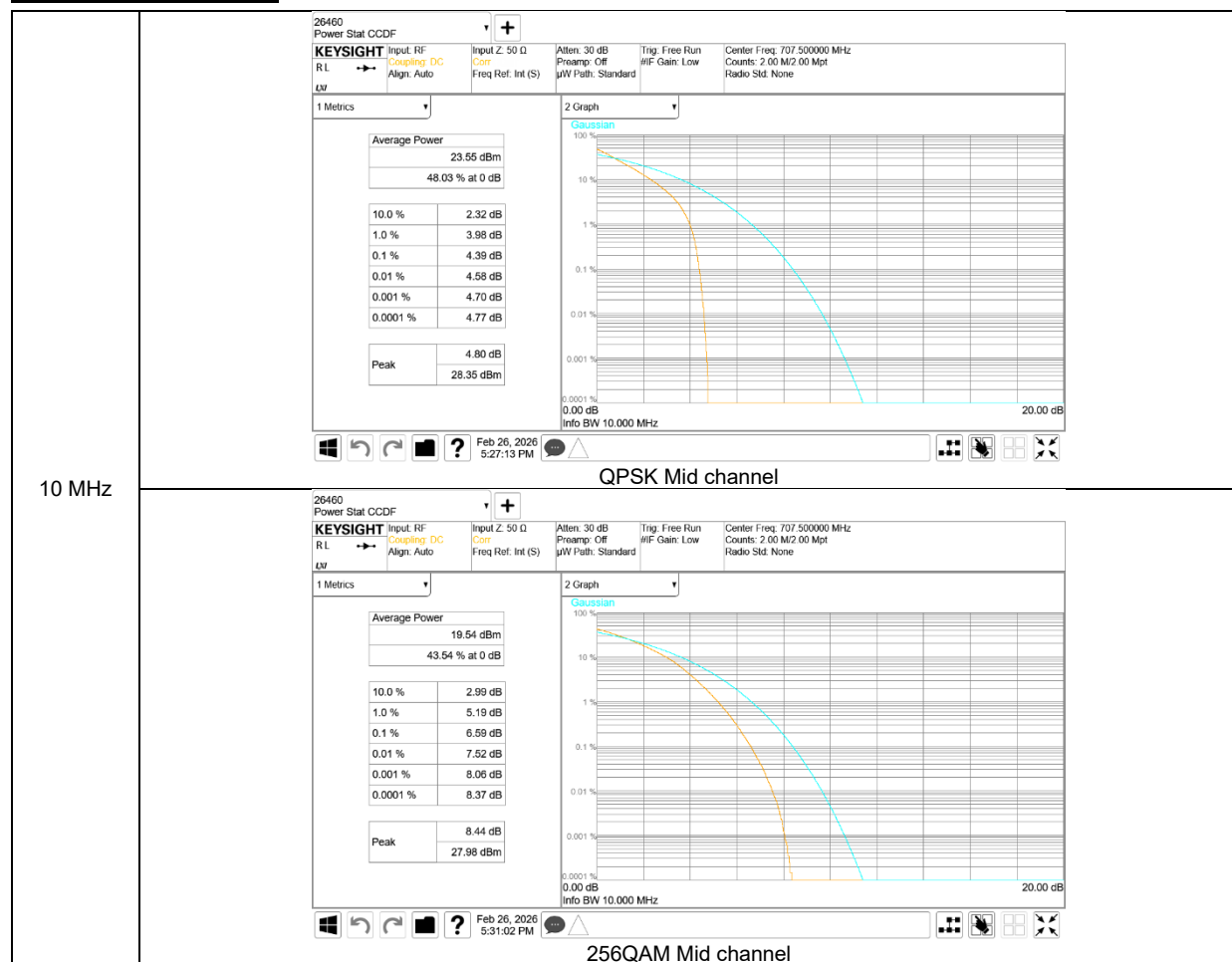


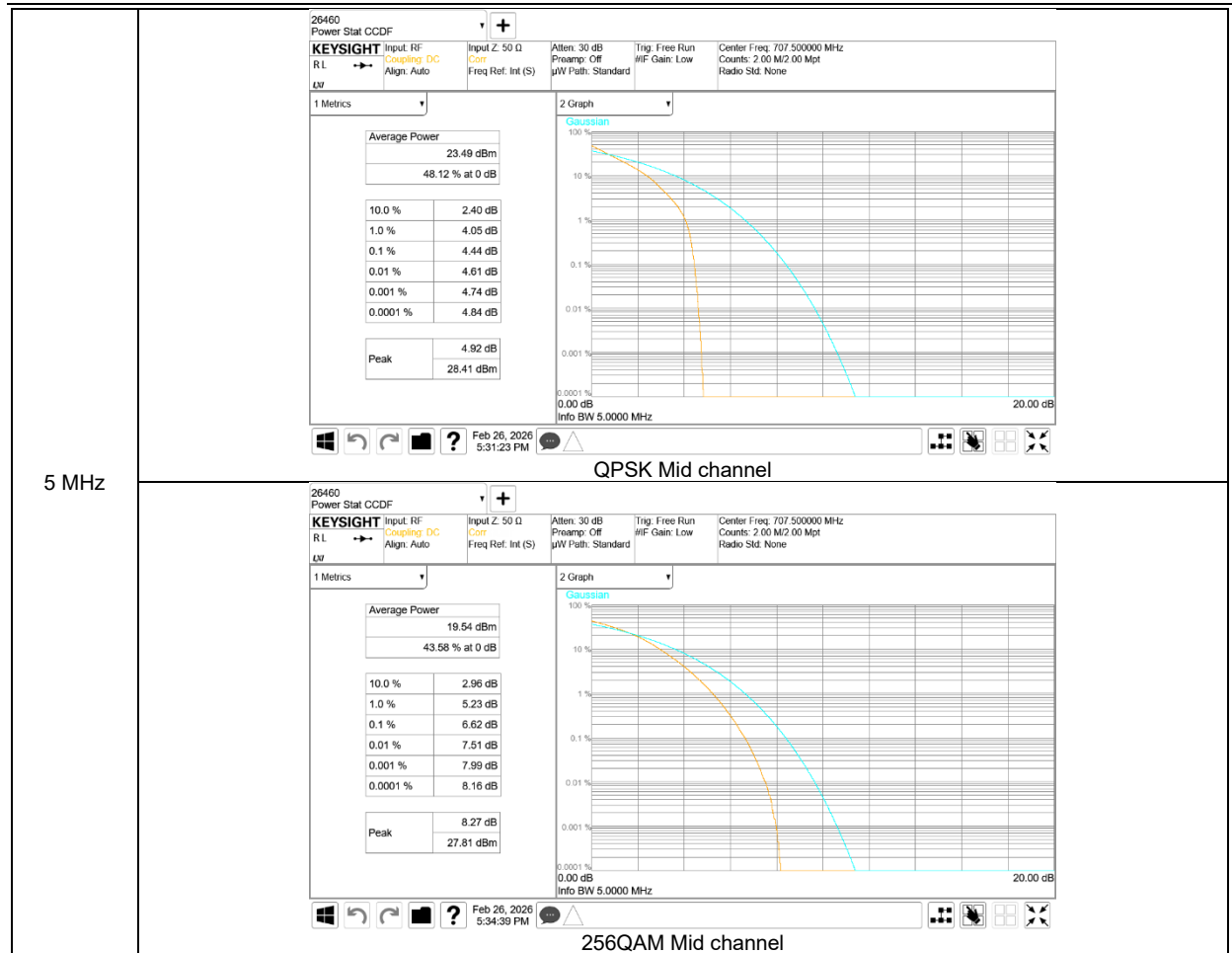


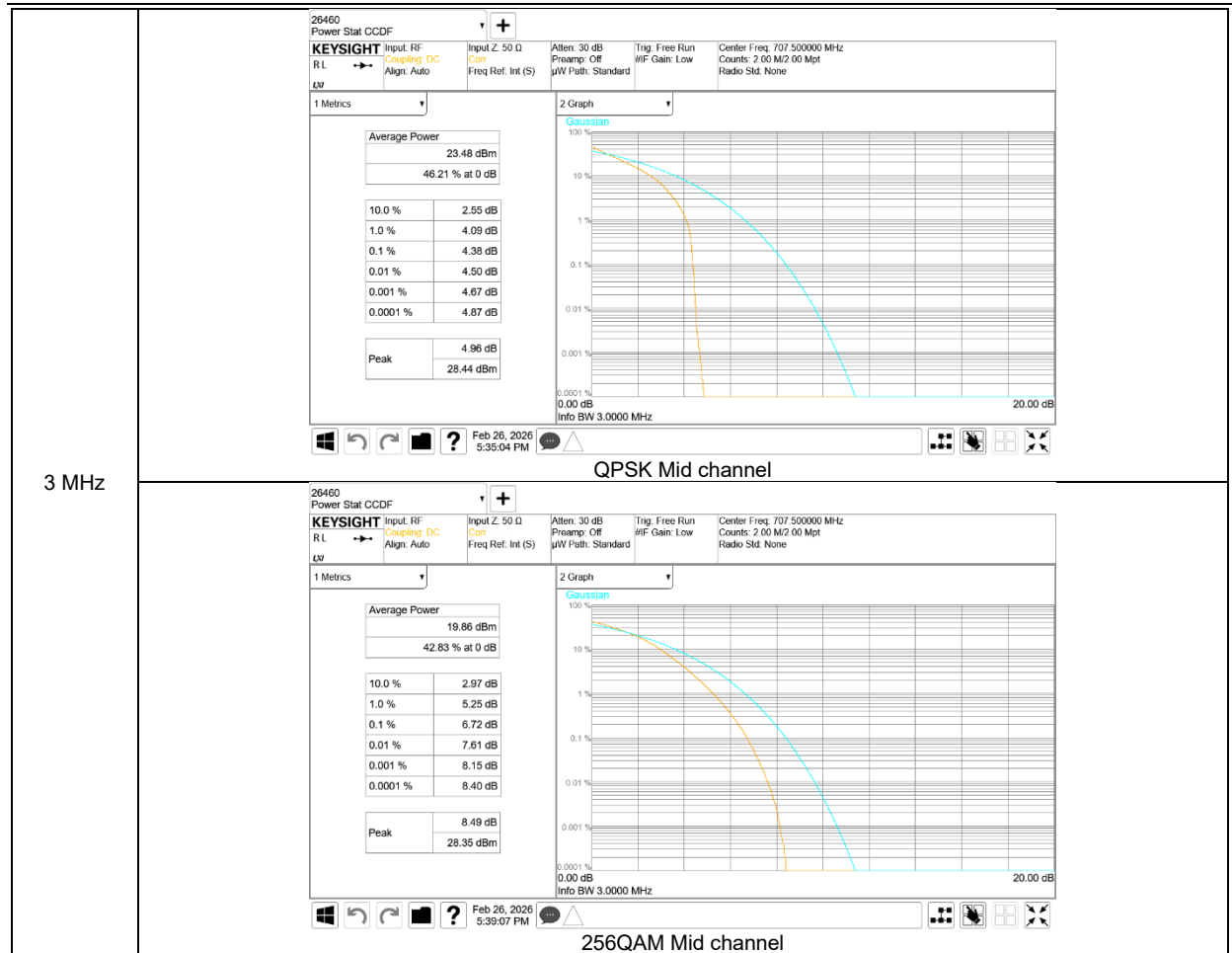


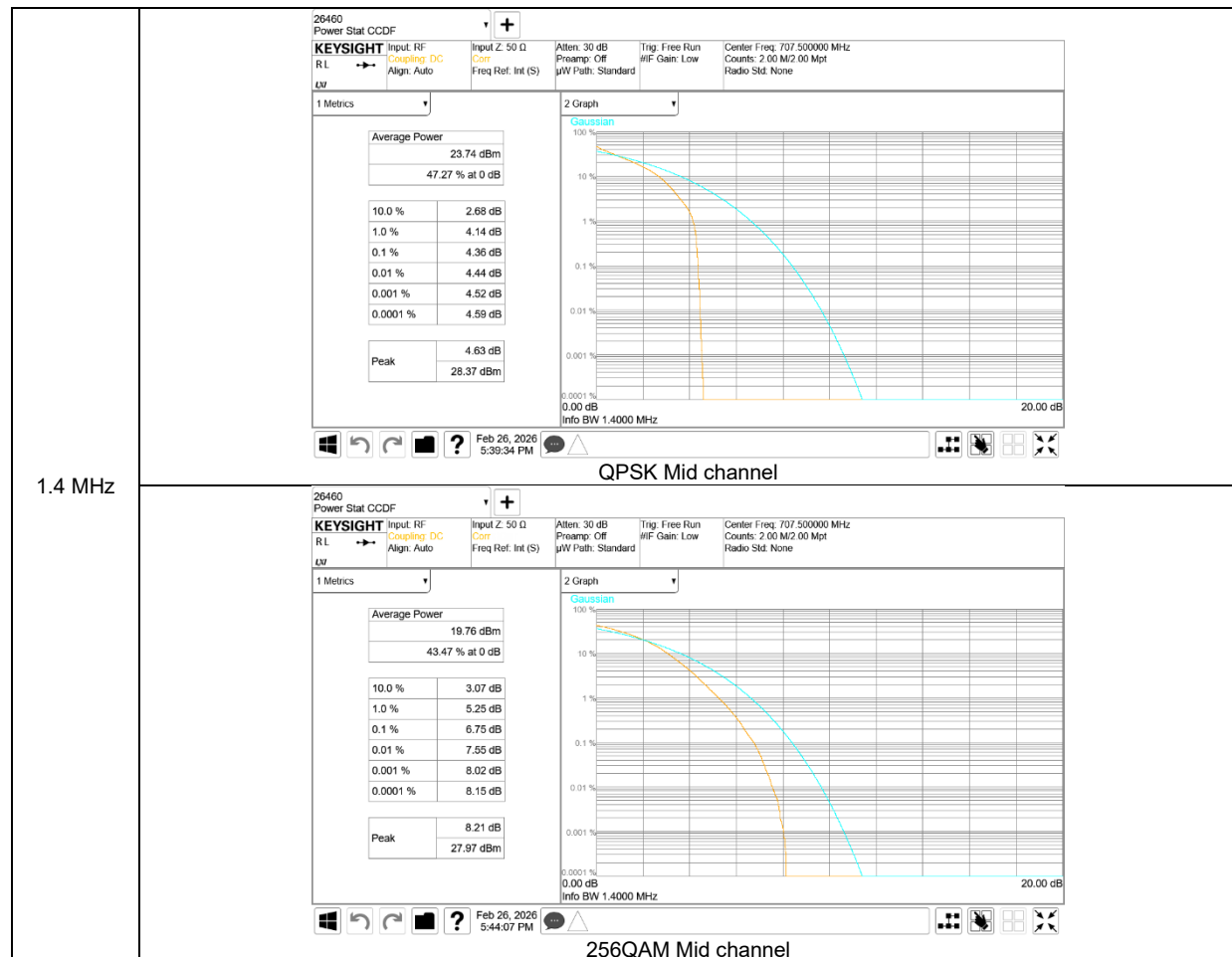


LTE Band 12 (ANT A)

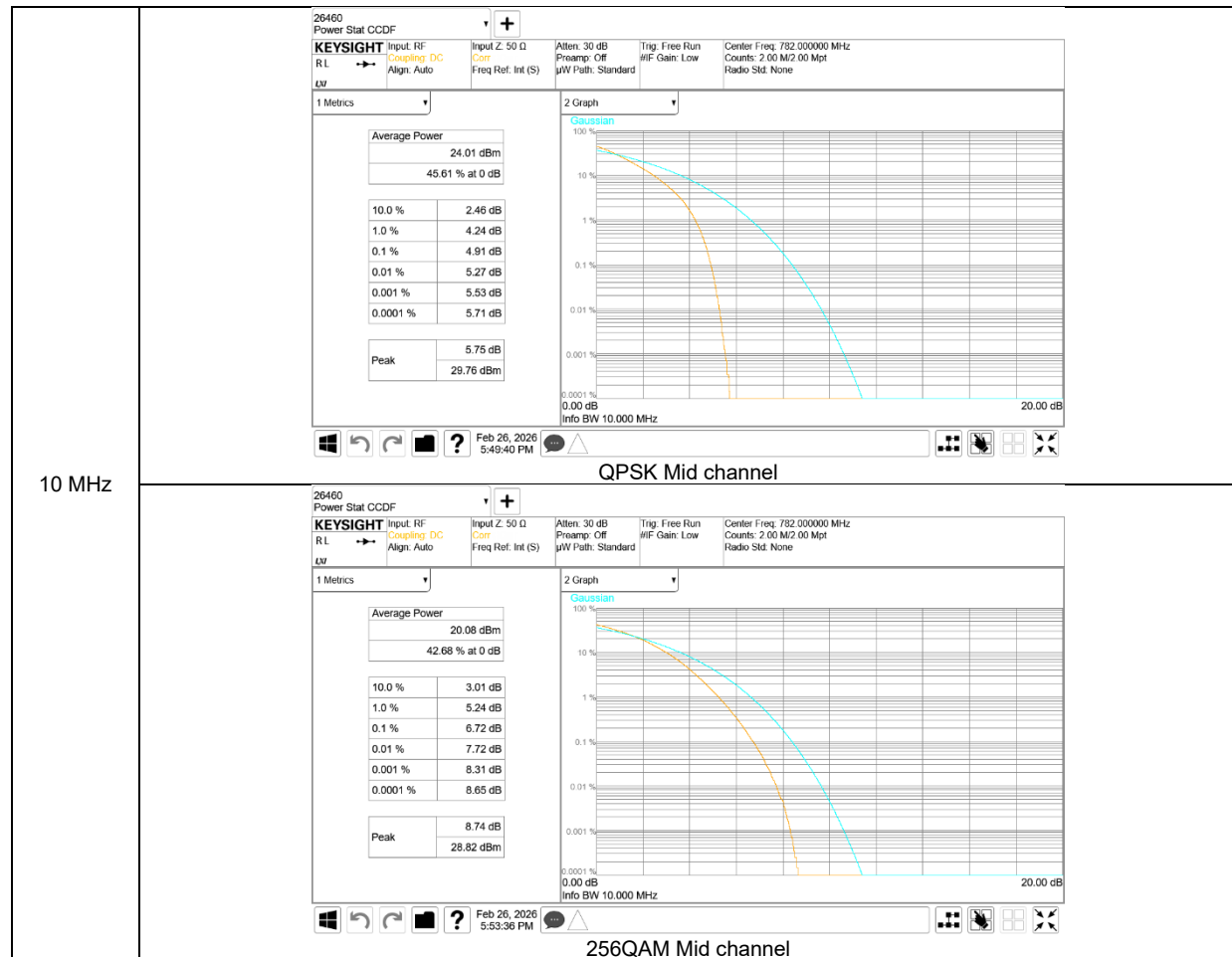


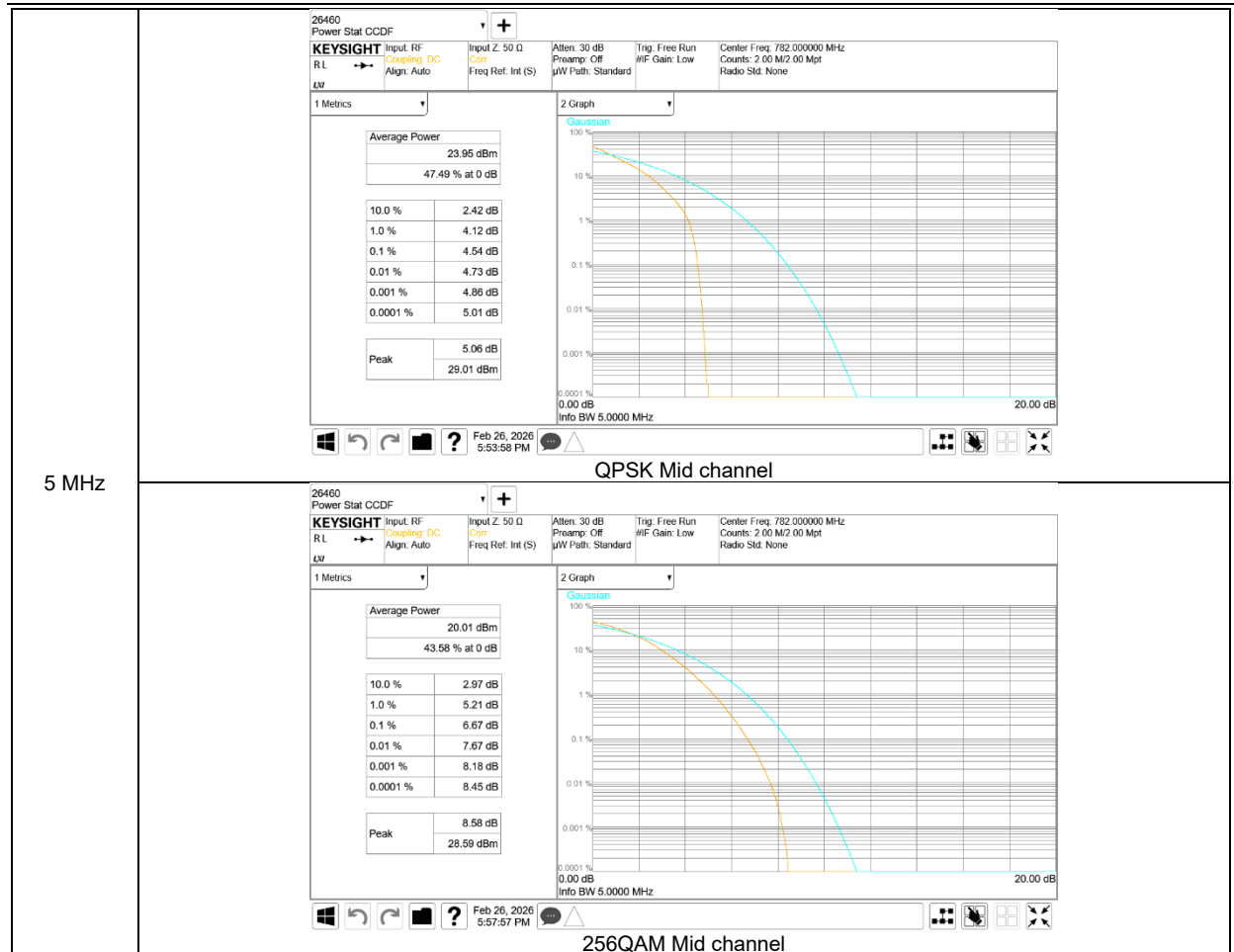




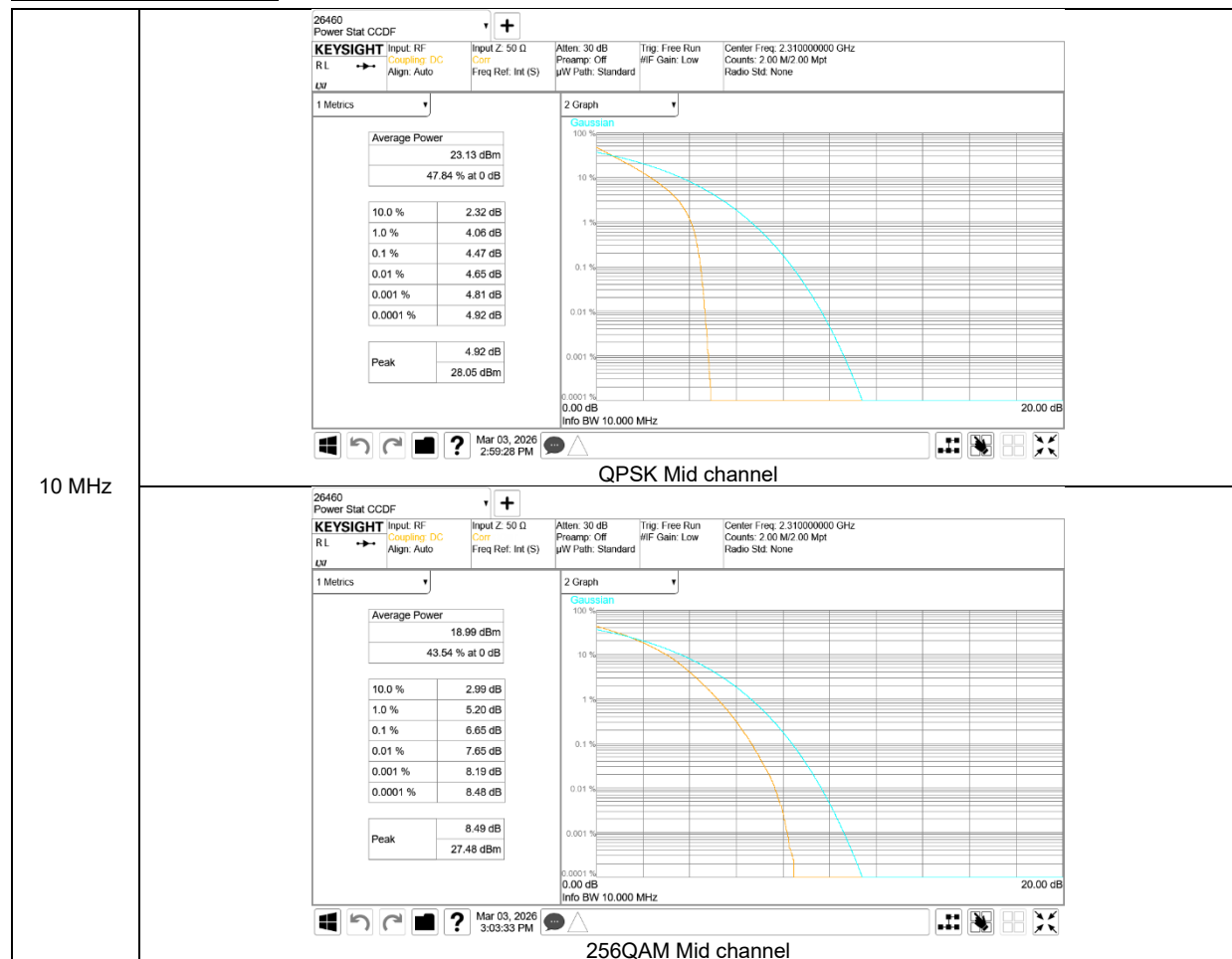


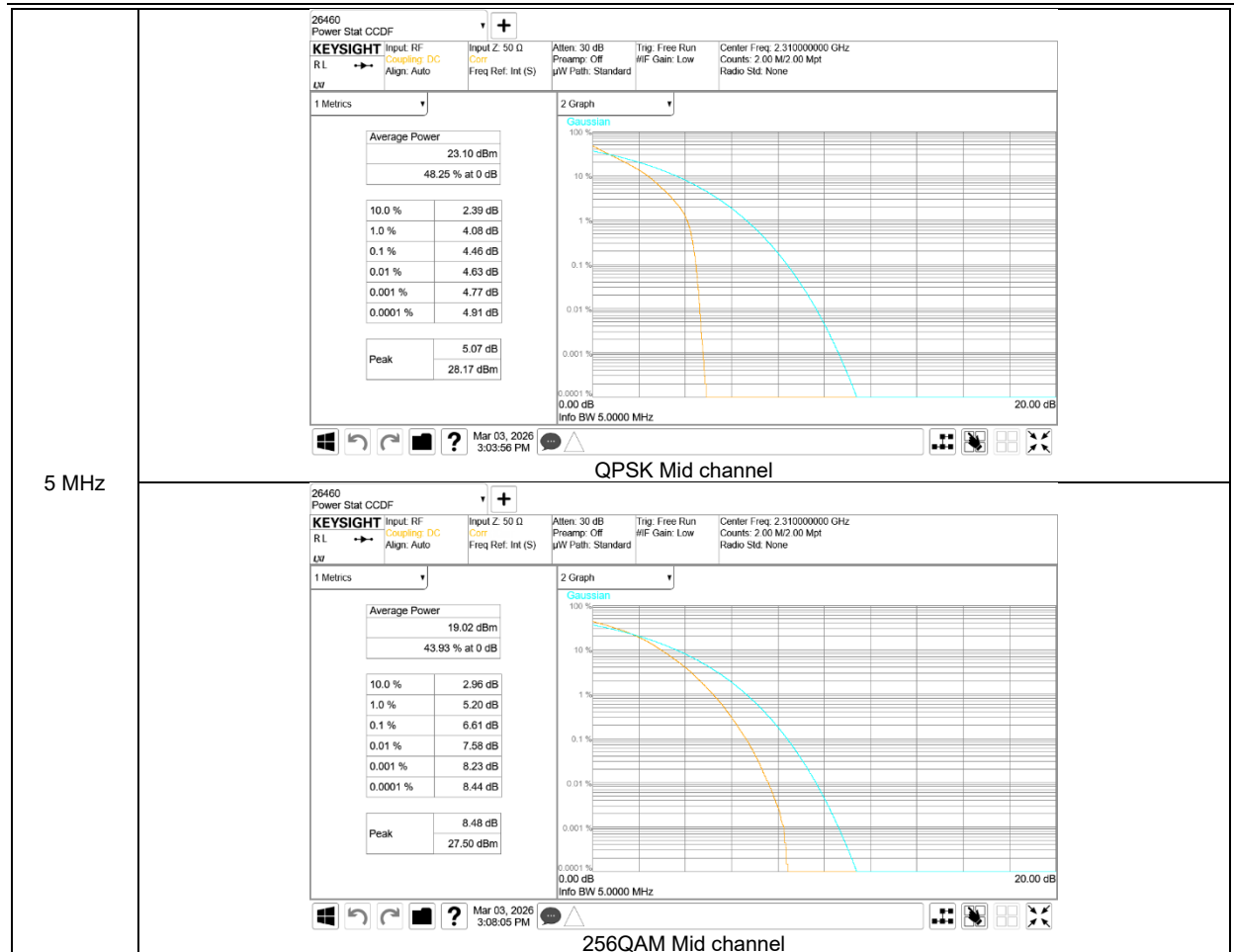
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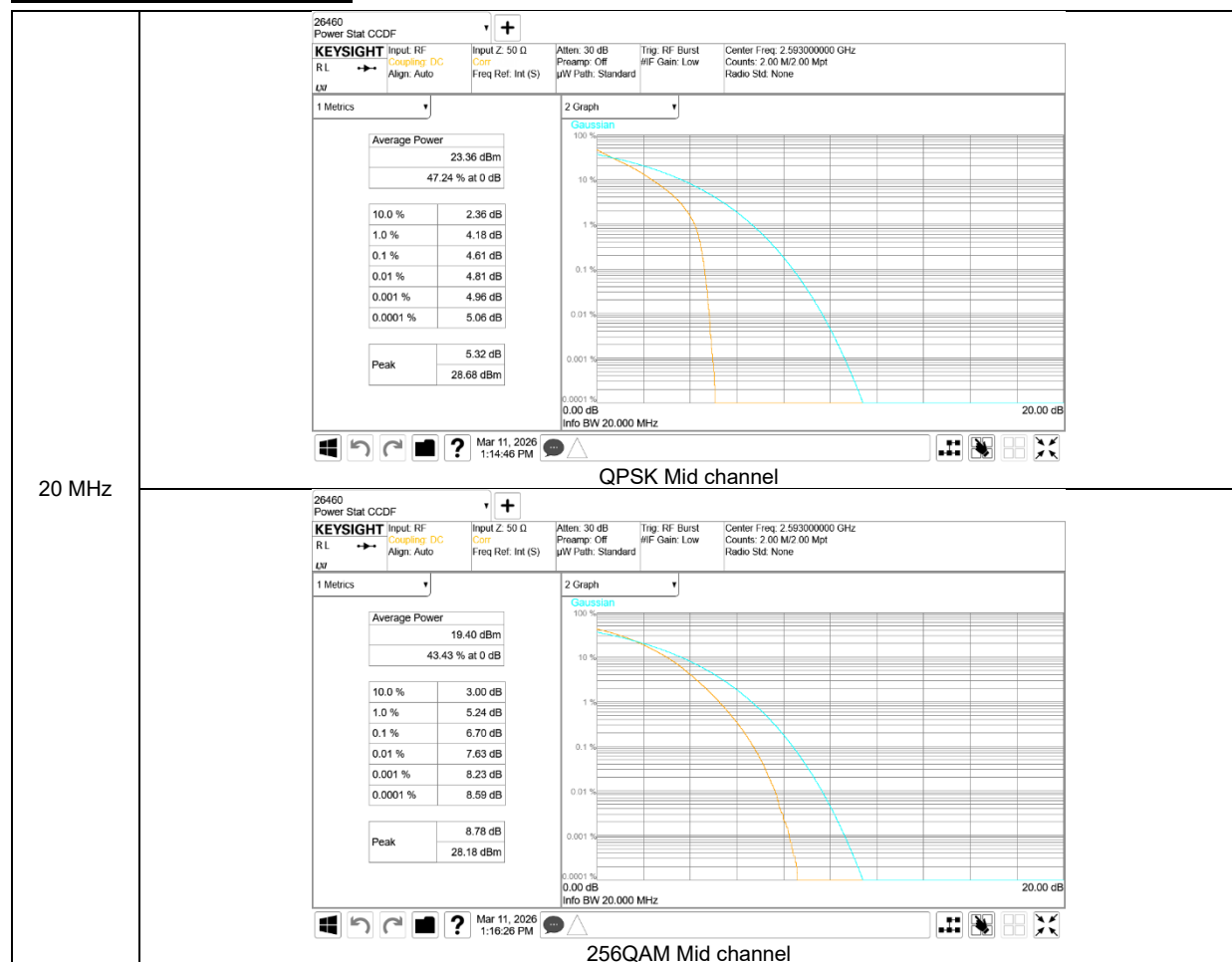


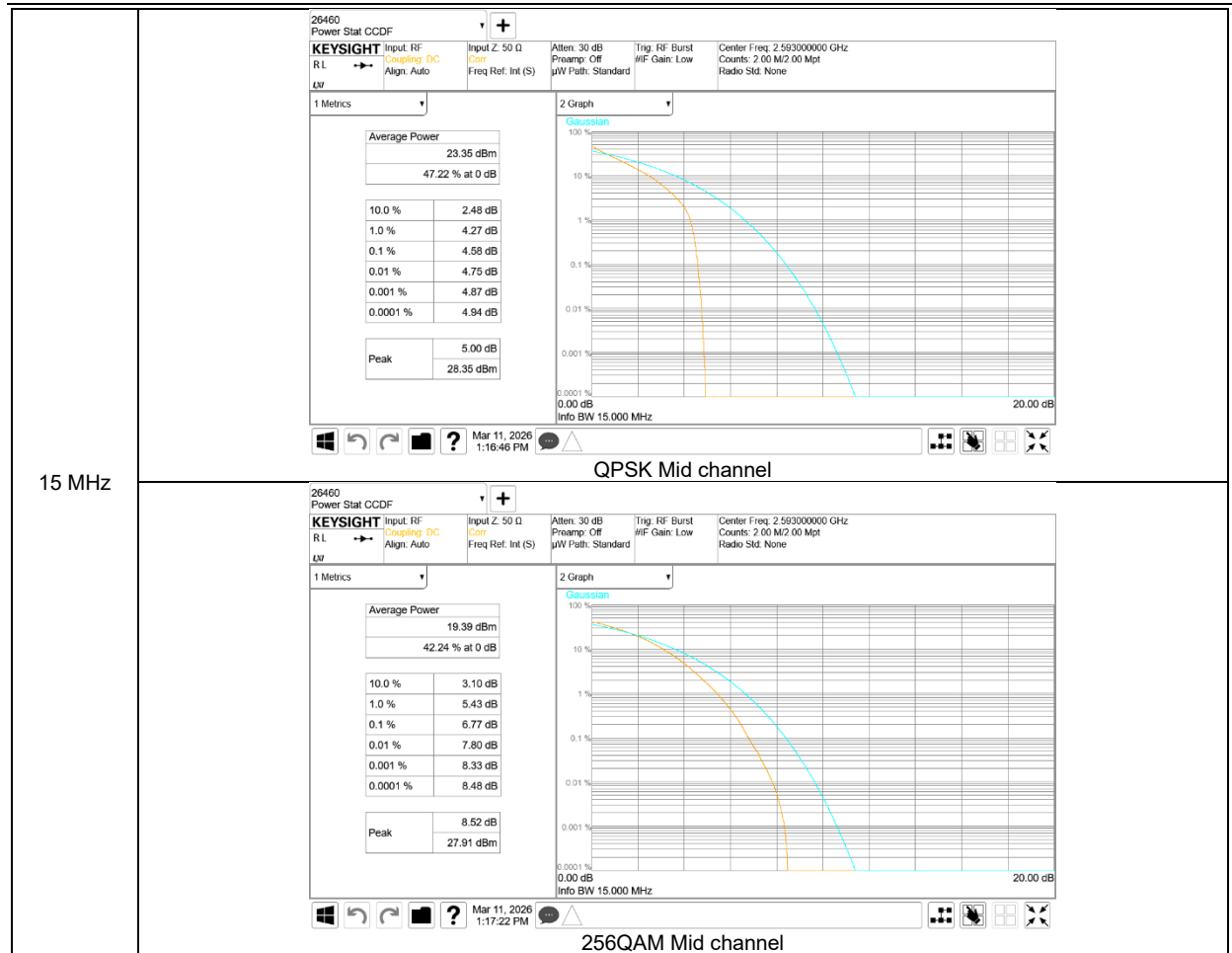
LTE Band 30 (ANT B)

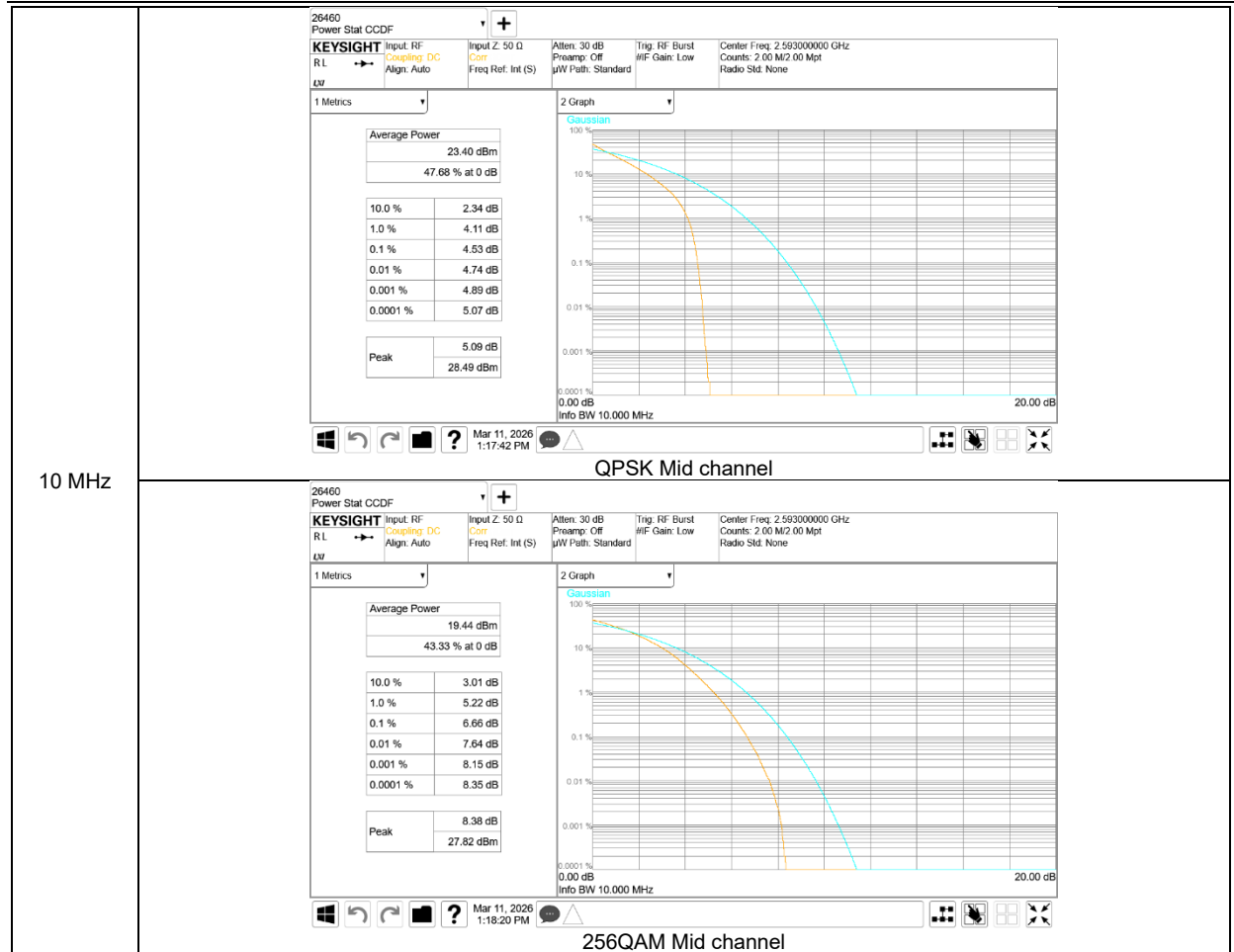


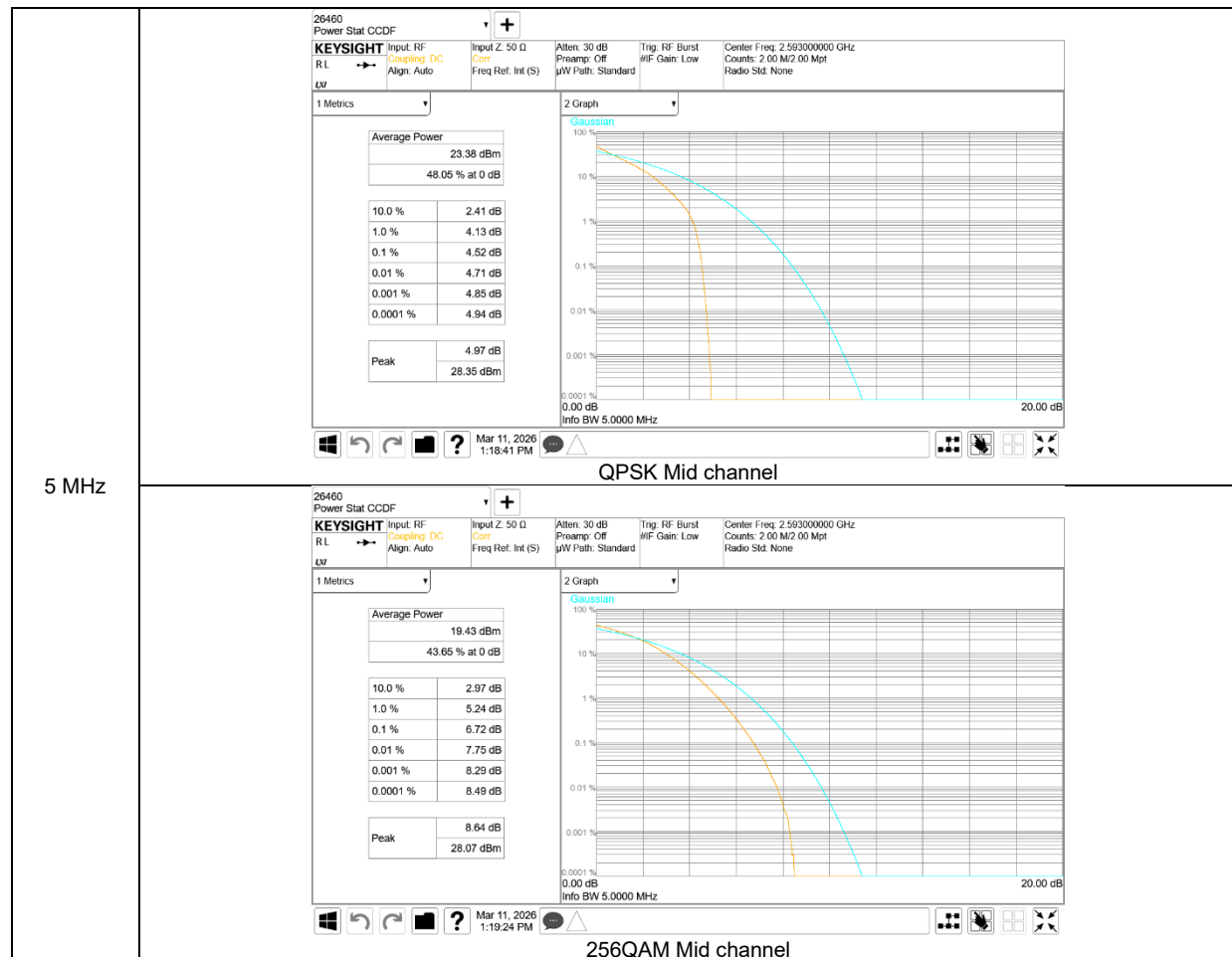


LTE Band 41 (PC3) (ANT F)

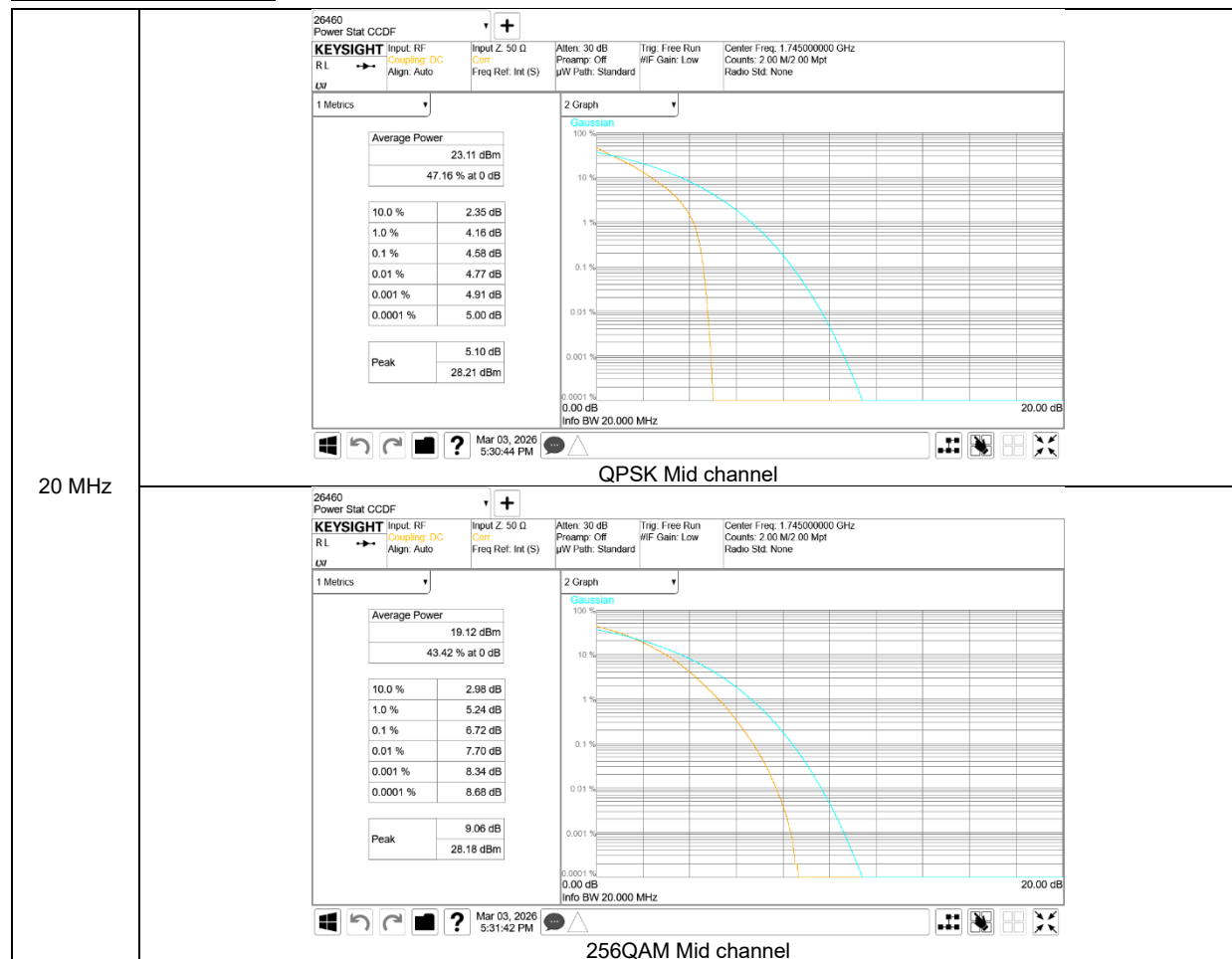


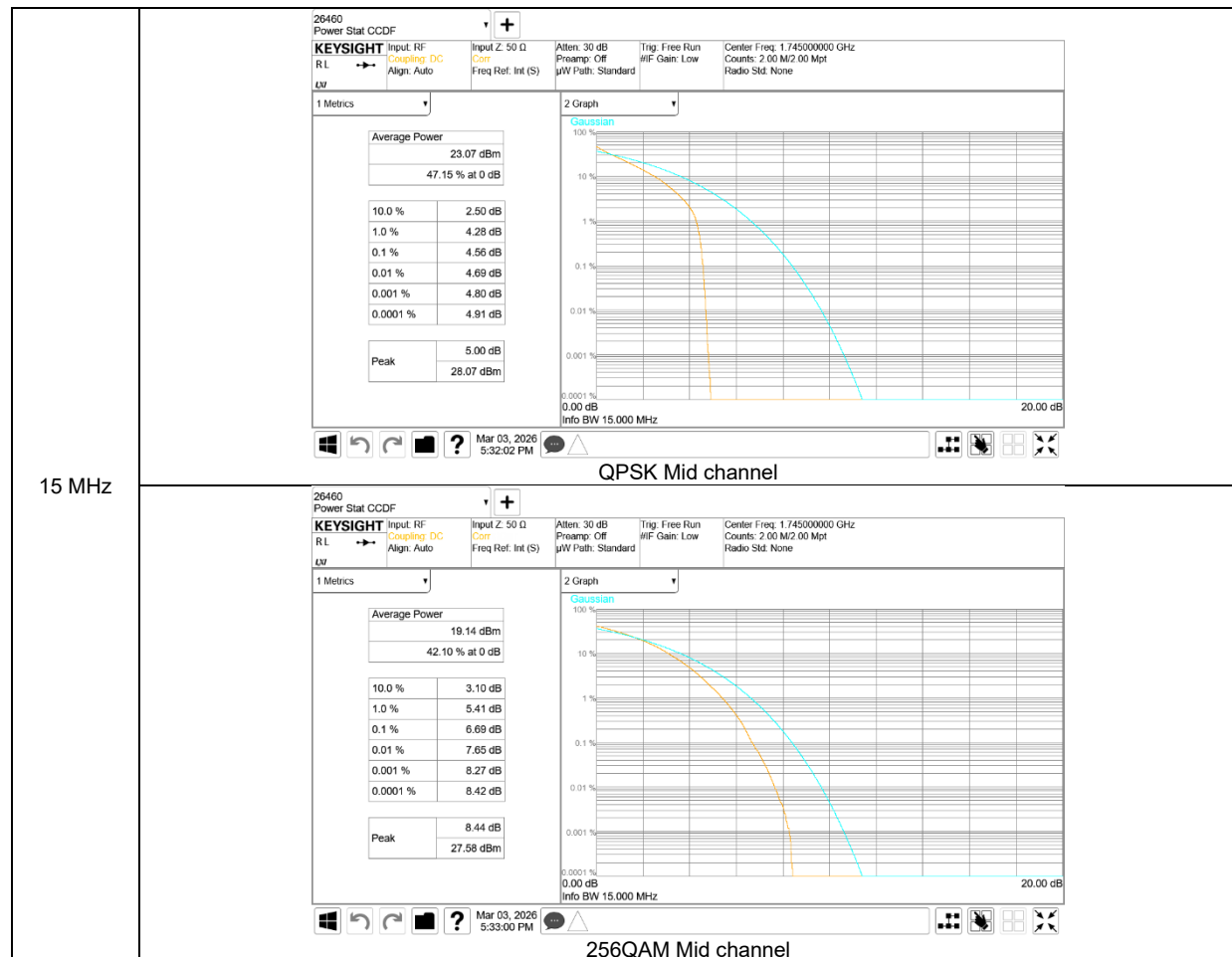


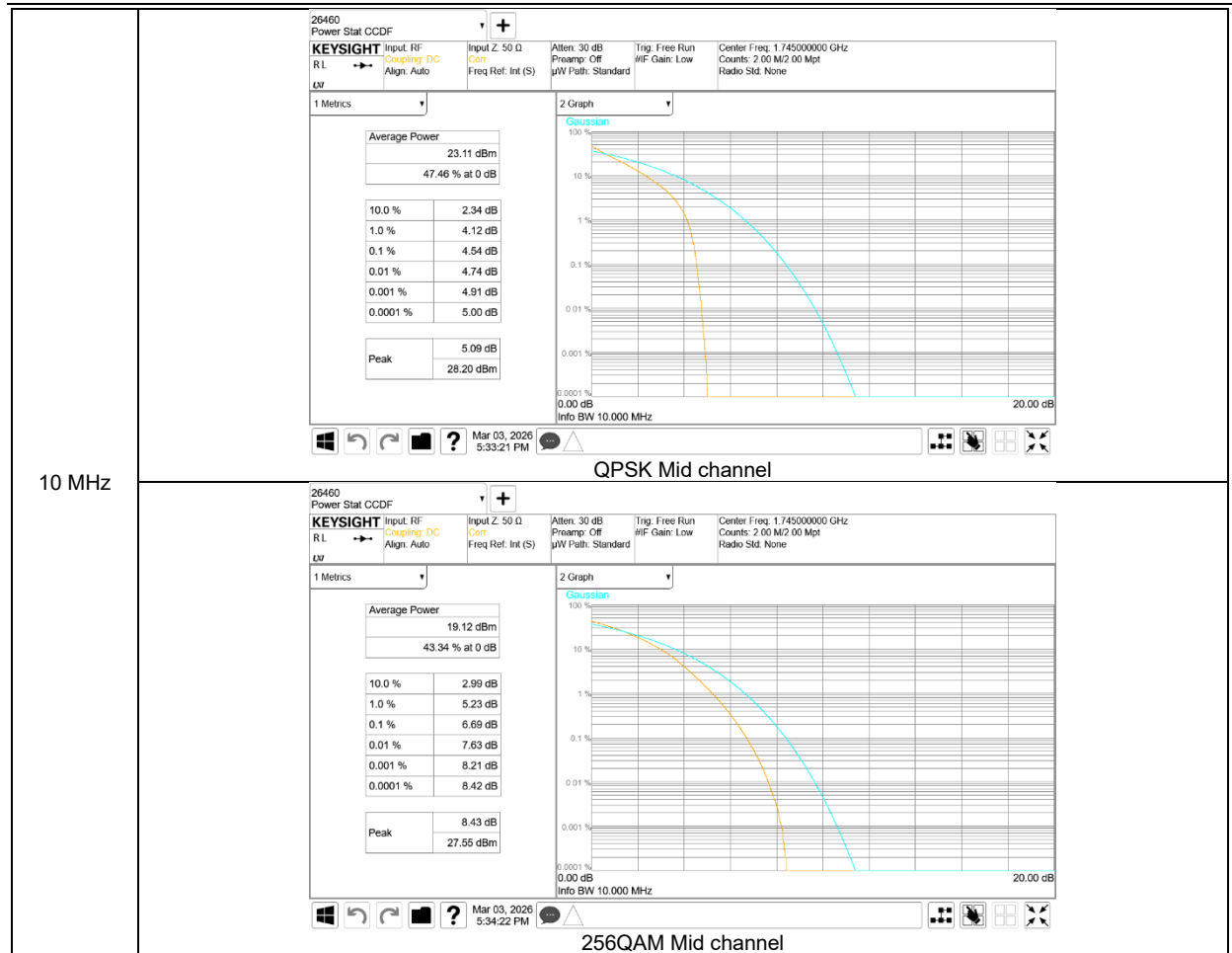


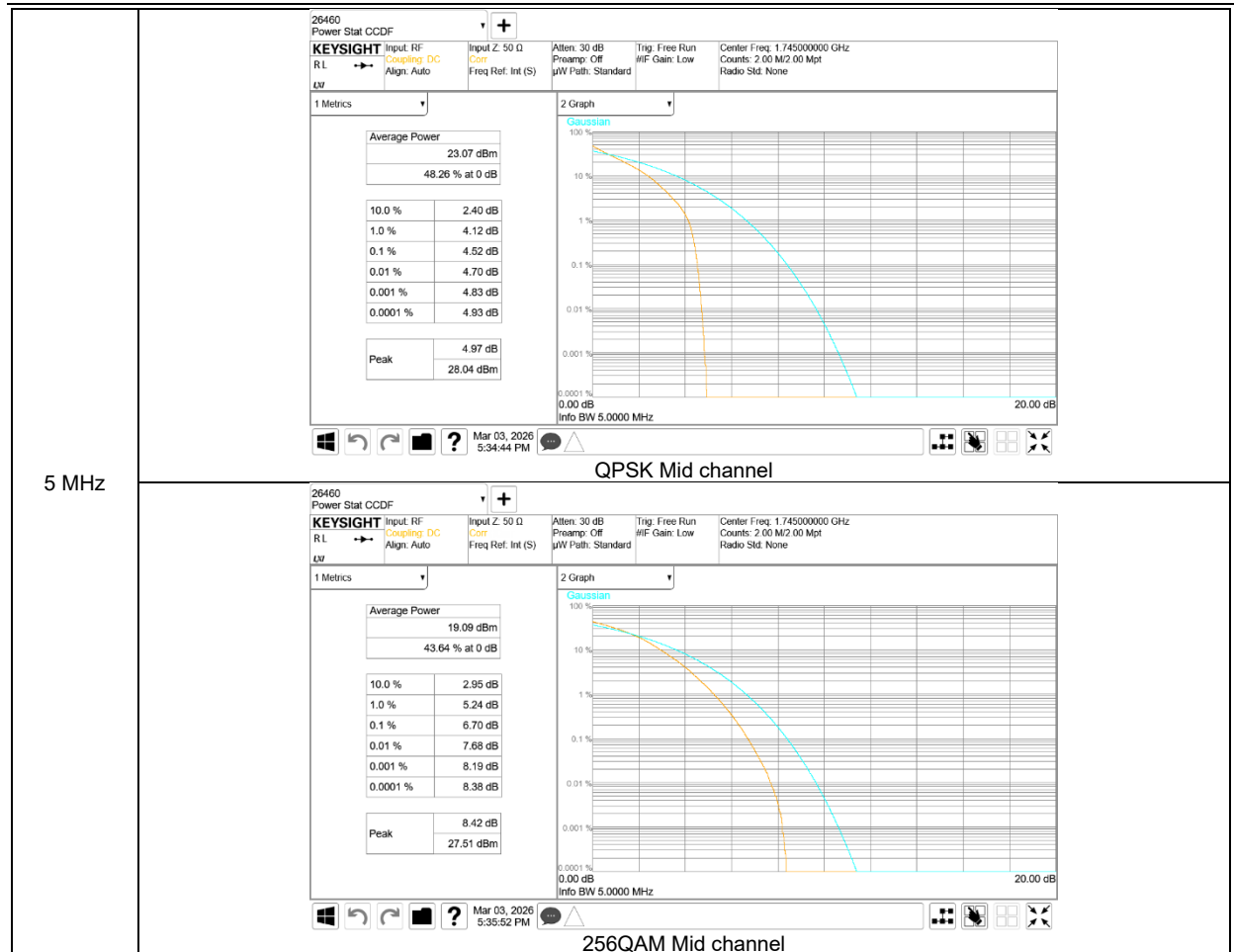


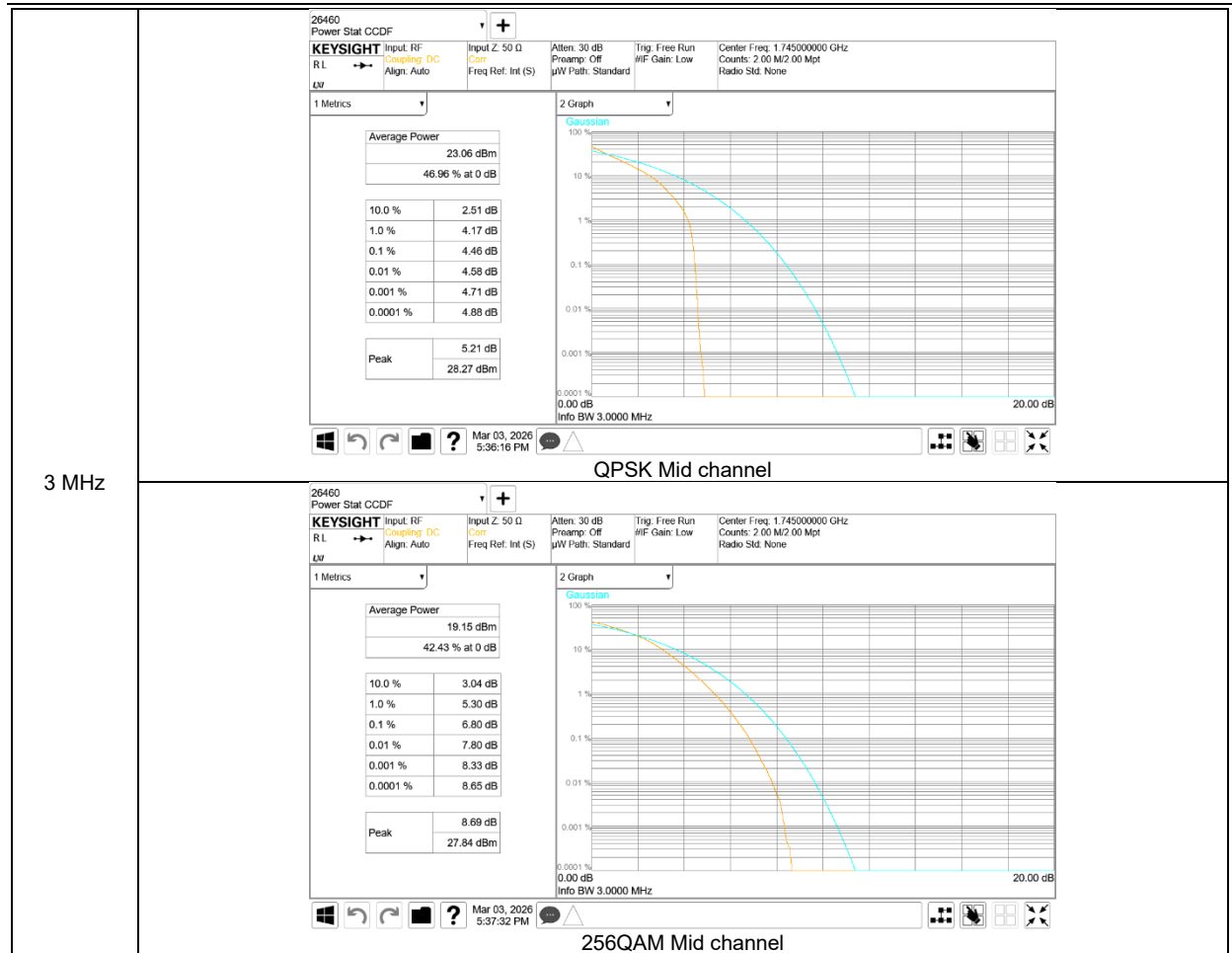
LTE Band 66 (ANT F)

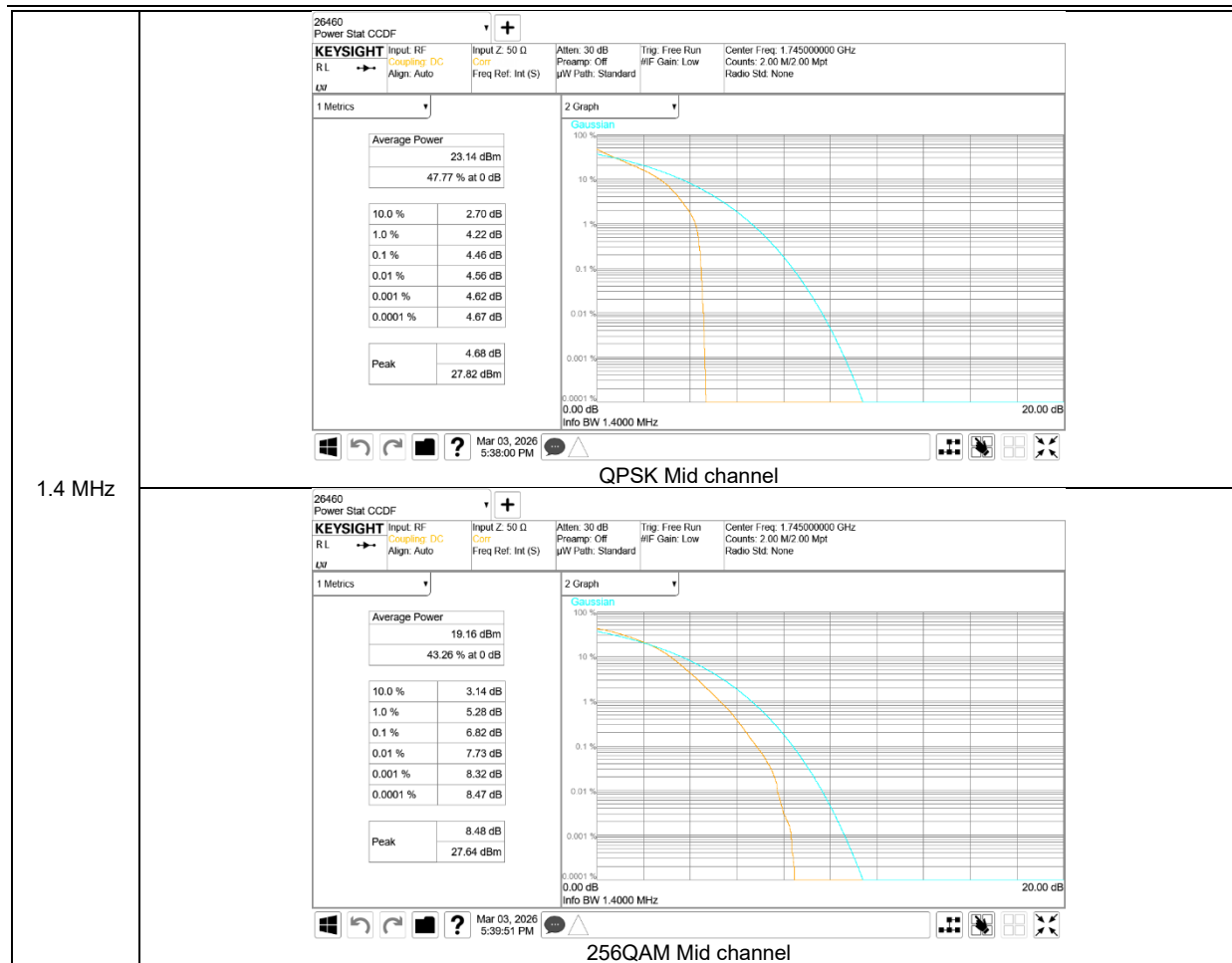




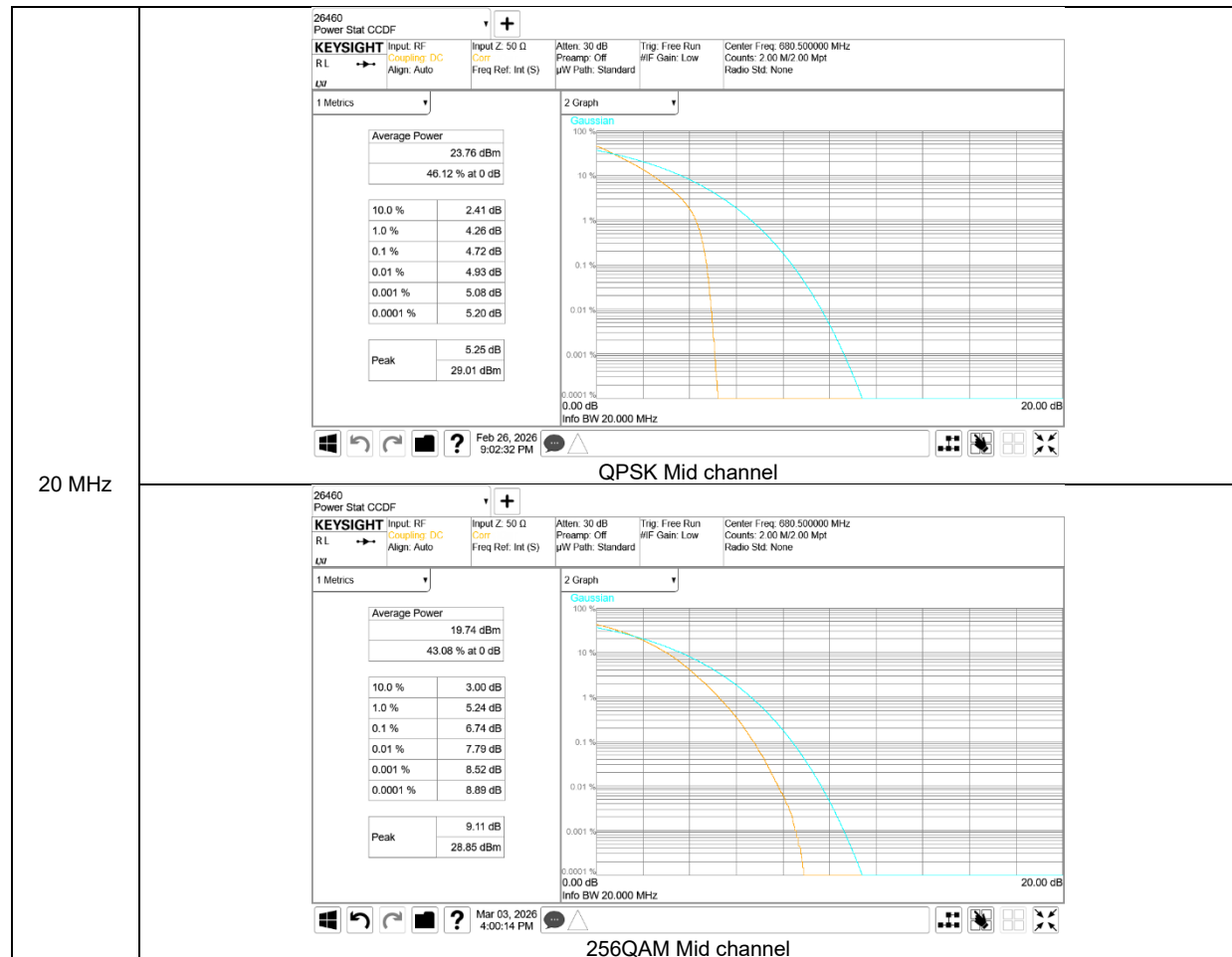


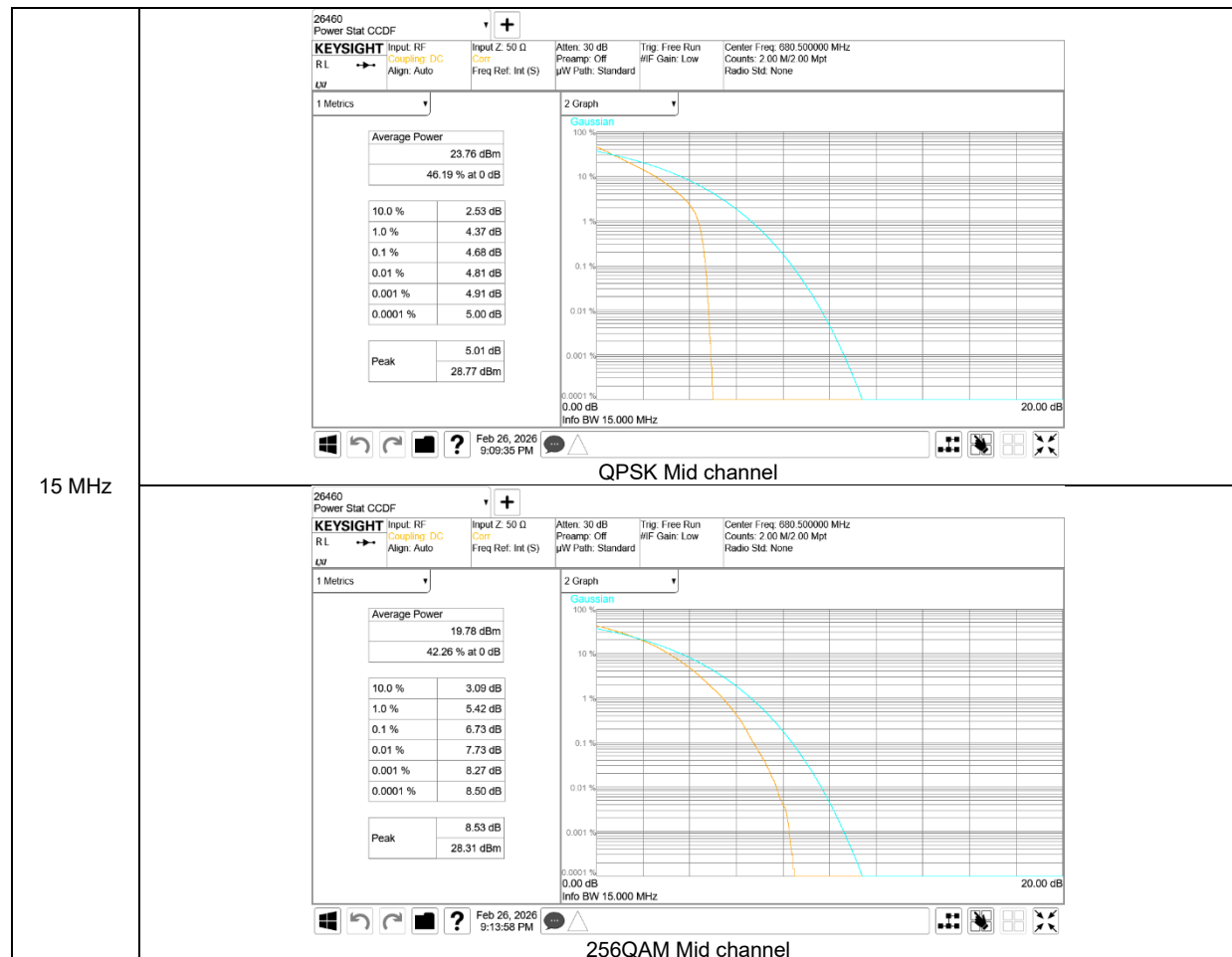


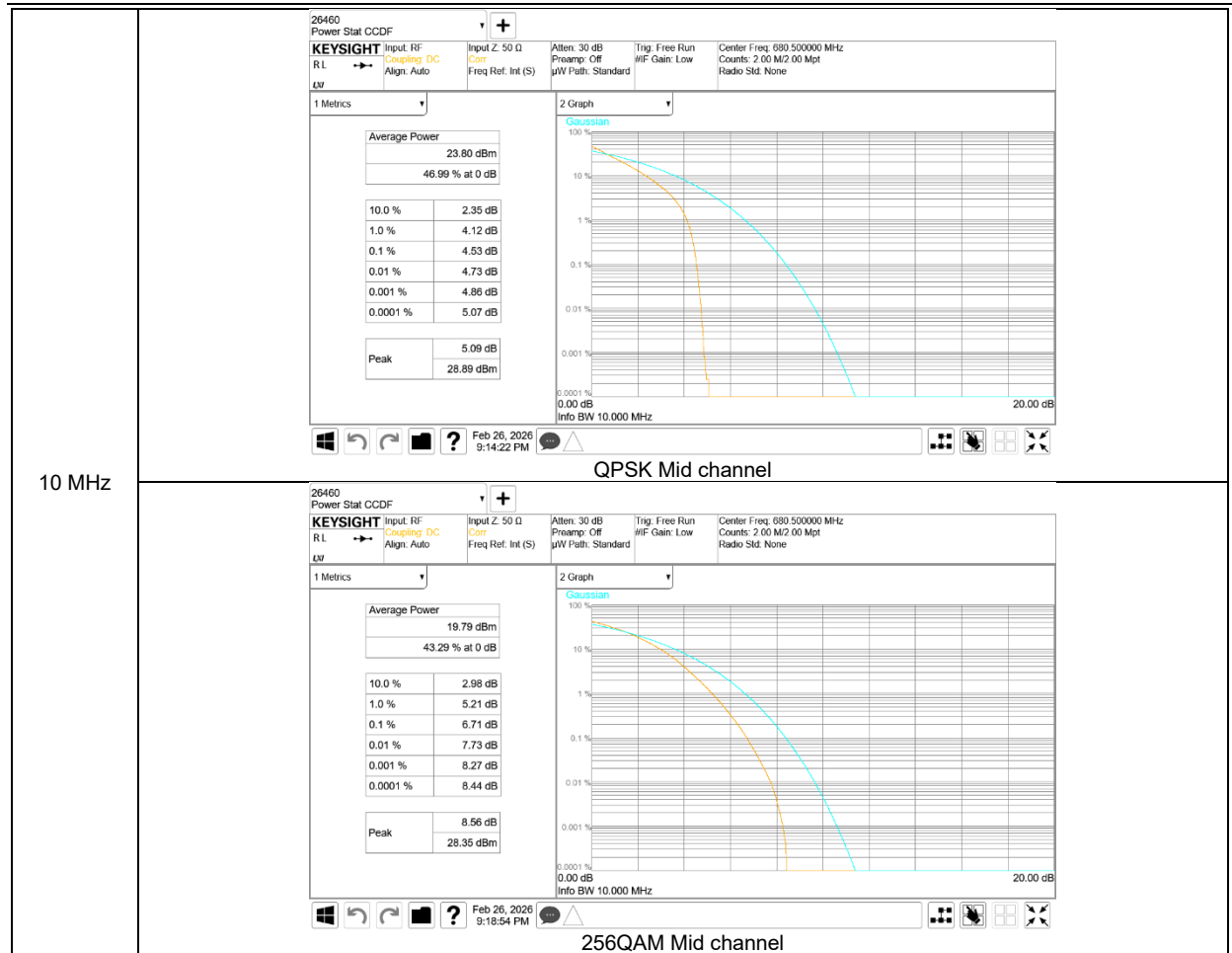


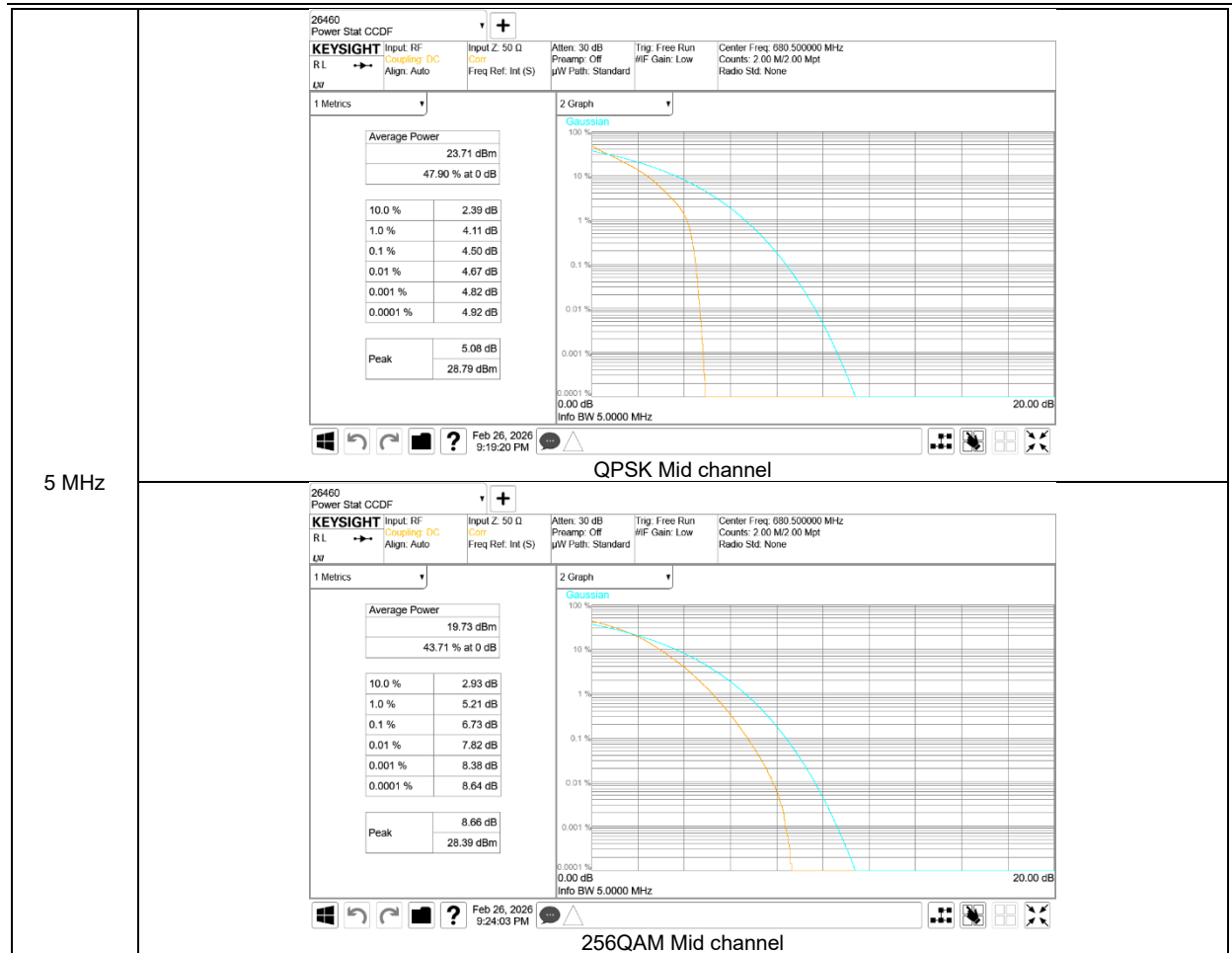


LTE Band 71 (ANT A)









NR Band n7 CP-OFDM (ANT B)

