

10MHz
16QAM

8.5. CONDUCTED SPURIOUS EMISSIONS

RULE PART(S)

FCC: §27.53

LIMITS

Part 27.53:

(c)(2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log (P)$ dB.

(g) For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log (P)$ dB.

(h) The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10} (P)$ dB.

(m) (4) For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

(l)(2) For mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz. Compliance with this paragraph (l)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be either one percent of the emission bandwidth of the fundamental emission of the transmitter or 350 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

(n)(2) For mobile operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz. Compliance with this paragraph (n)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed, but limited to a maximum of 200 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

TEST PROCEDURE

Per KDB 971168 D01 Power Meas License Digital Systems v03r01

The RF output of the transmitter was connected to a spectrum analyzer through a calibrated coaxial cable. Sufficient scans were taken to show the out-of-band Emissions, if any, up to 10th harmonic. Multiple sweeps were recorded in maximum hold Mode using a peak detector to ensure that the worst-case emissions were caught.

- a) Set the RBW = 100 kHz for emission below 1 GHz and 1 MHz for emissions above 1 GHz
(Tests were performed 1MHz [Worst case], to sweep 1 time for all frequency range)
- b) Set VBW $\geq 3 \times$ RBW;
- c) Set span ≥ 1.5 times the OBW;
- d) Sweep time = auto couple;
- e) Detector = rms;
- f) Ensure that the number of measurement points = Max (40001);
- g) Trace Mode = average(WCDMA, LTE FDD, 5G NR FDD),
Max hold(LTE TDD, 5G NR TDD);

NOTE1

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.

NOTE2

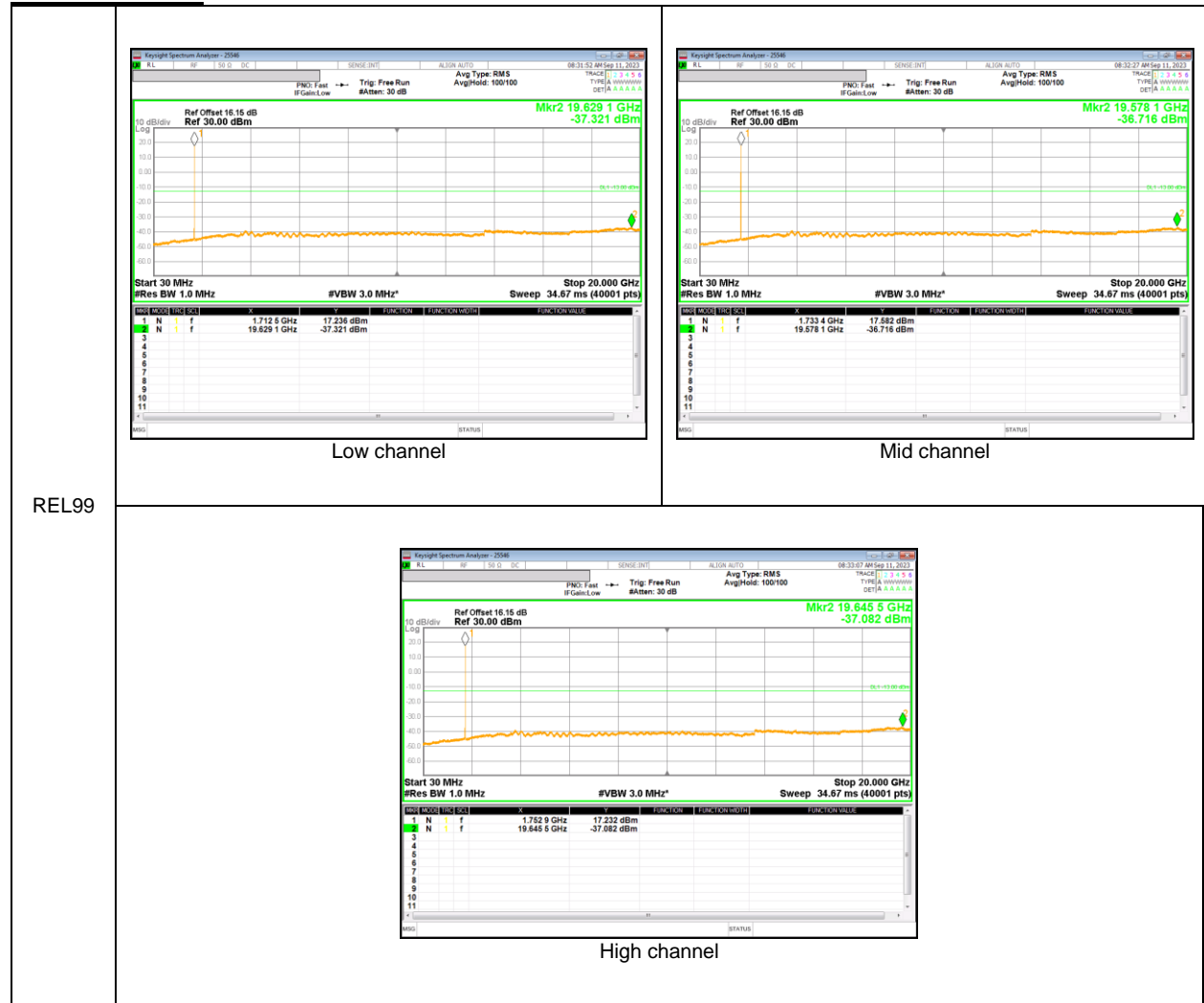
Please refer to section 5.4 for bandwidth and RB setting about LTE, 5G NR bands.

RESULTS

See the following pages.

8.5.1. OUT OF BAND EMISSIONS RESULT

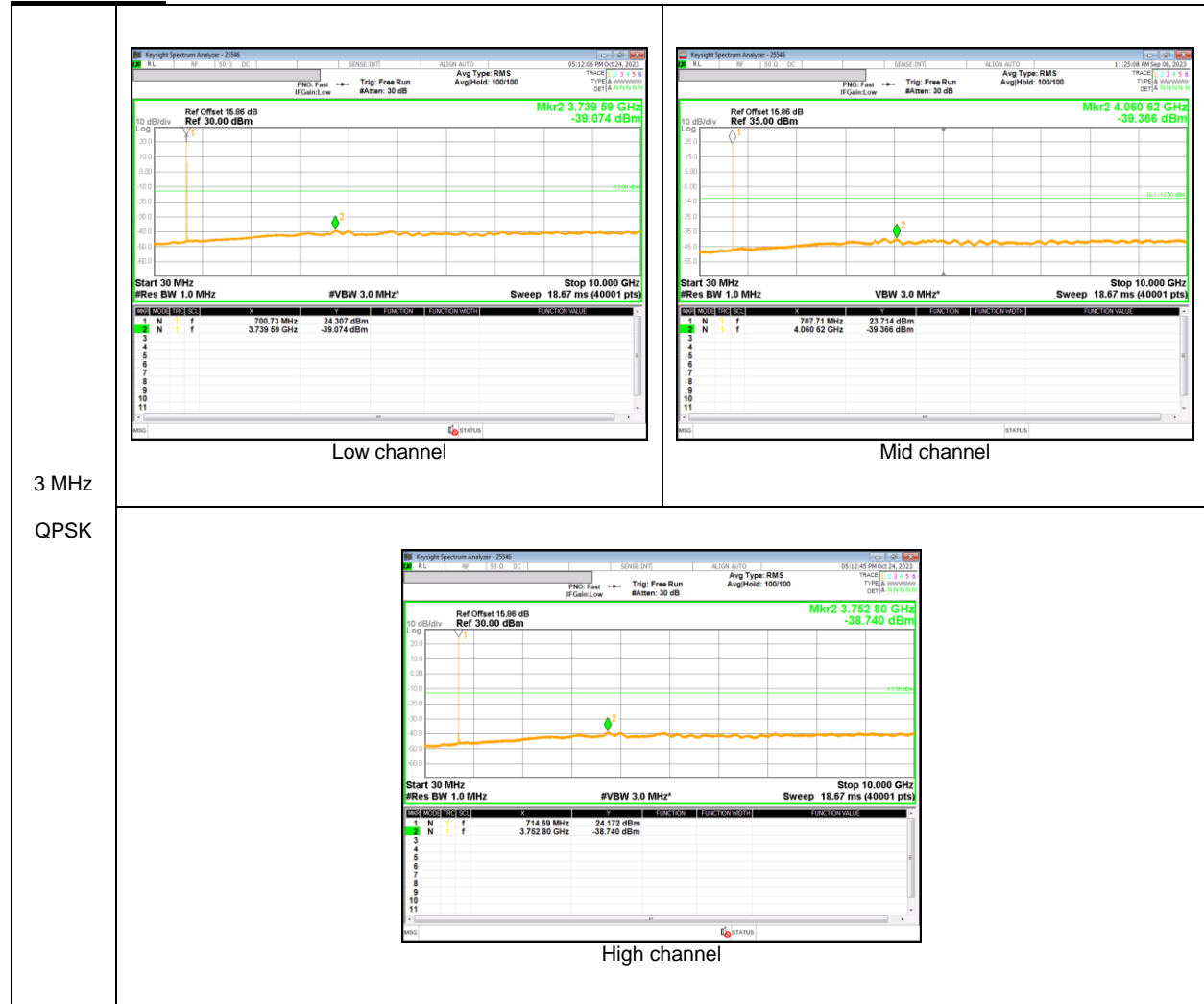
WCDMA Band 4



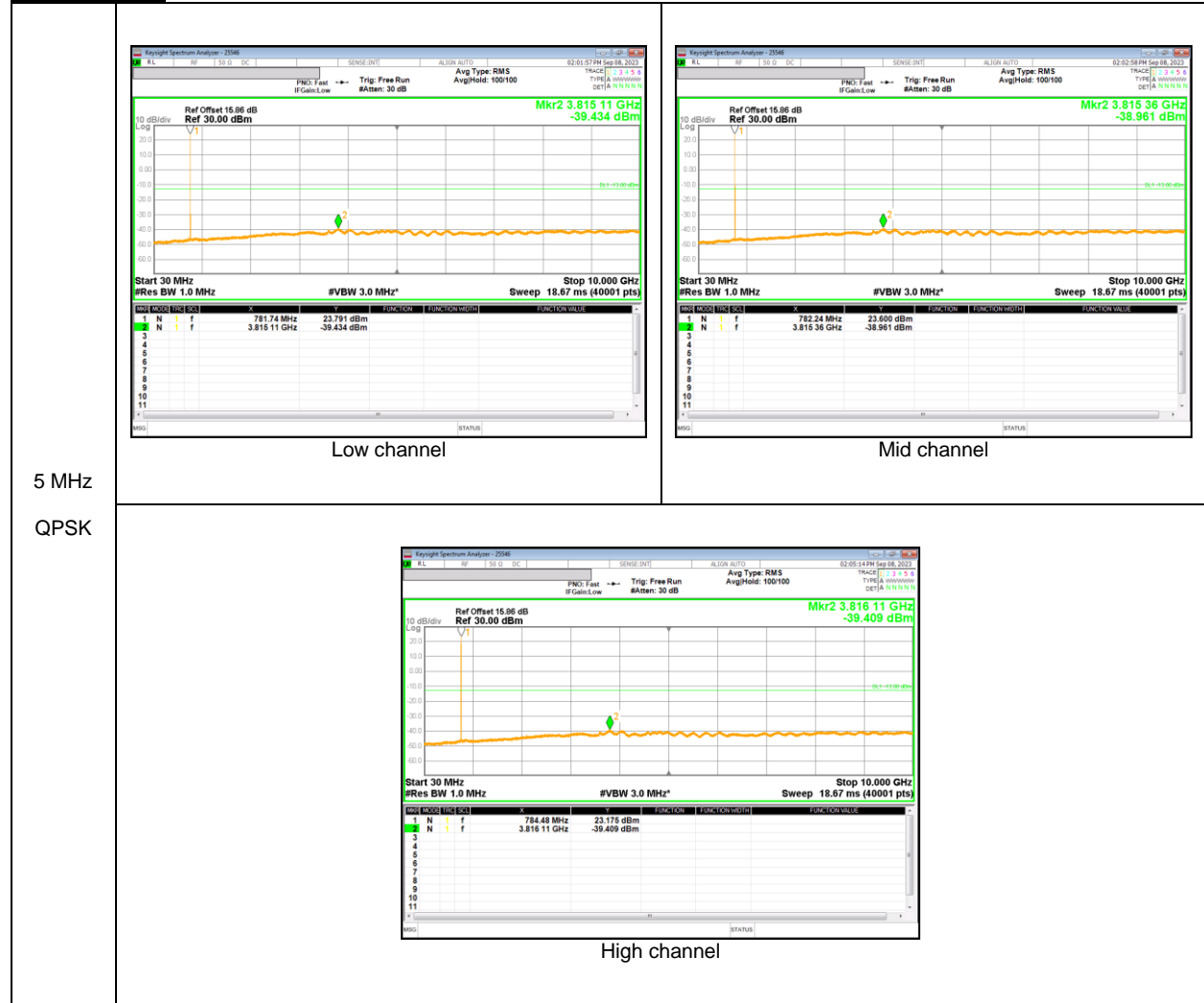
LTE Band 7



LTE Band 12



LTE Band 13

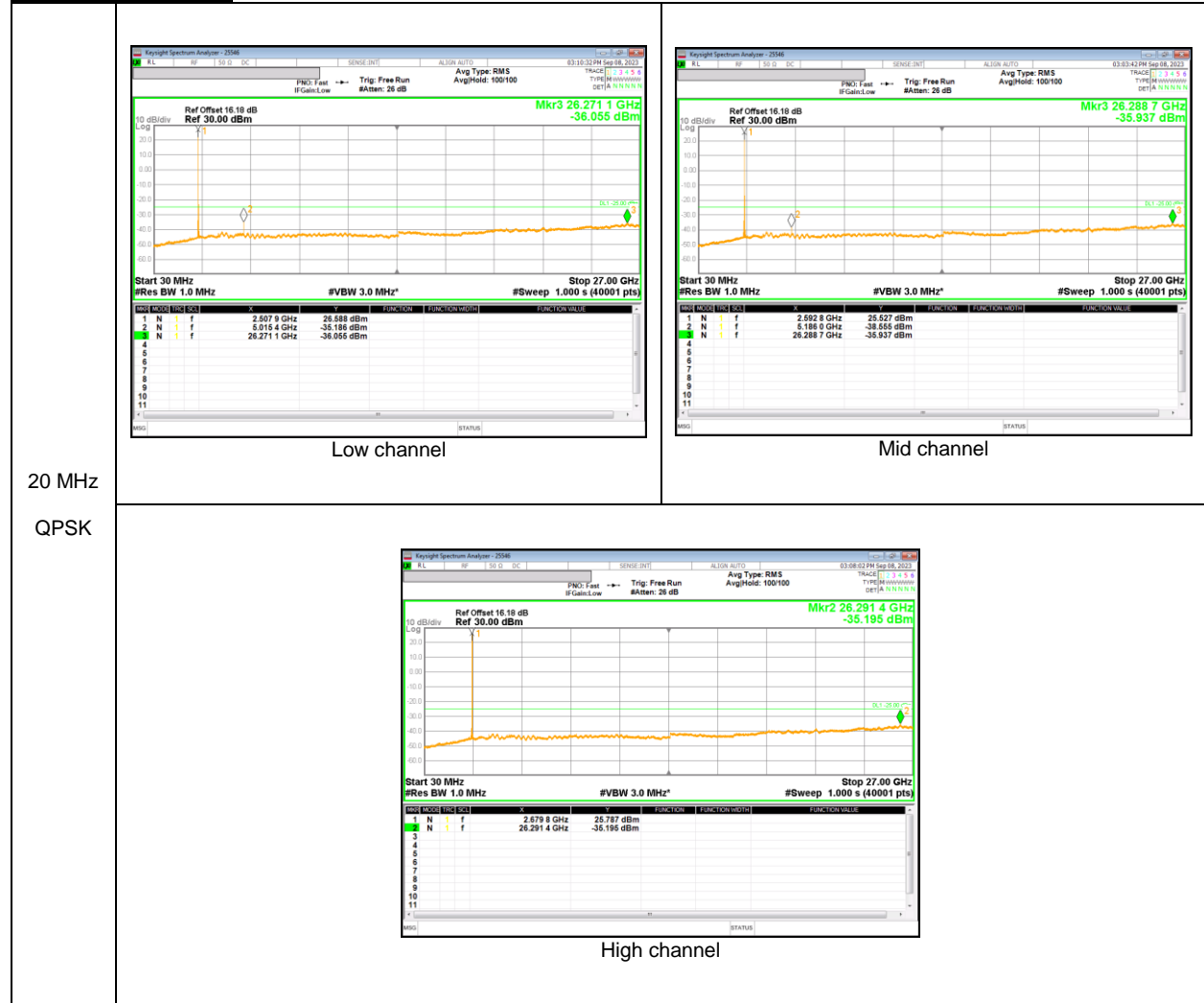


LTE Band 30



5 MHz
 QPSK

LTE Band 41(PC2)



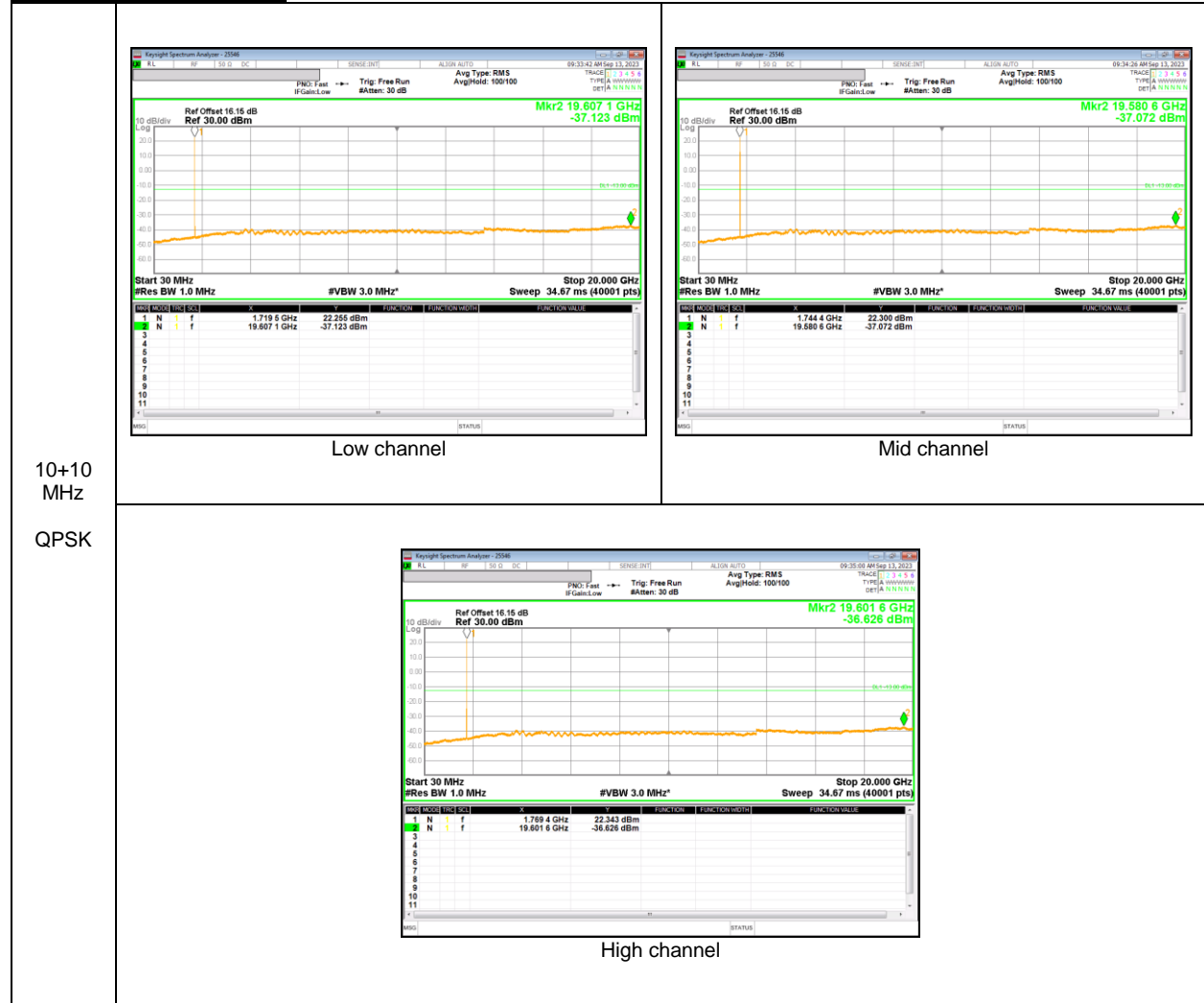
LTE Band 41C (UL CA)



LTE Band 66



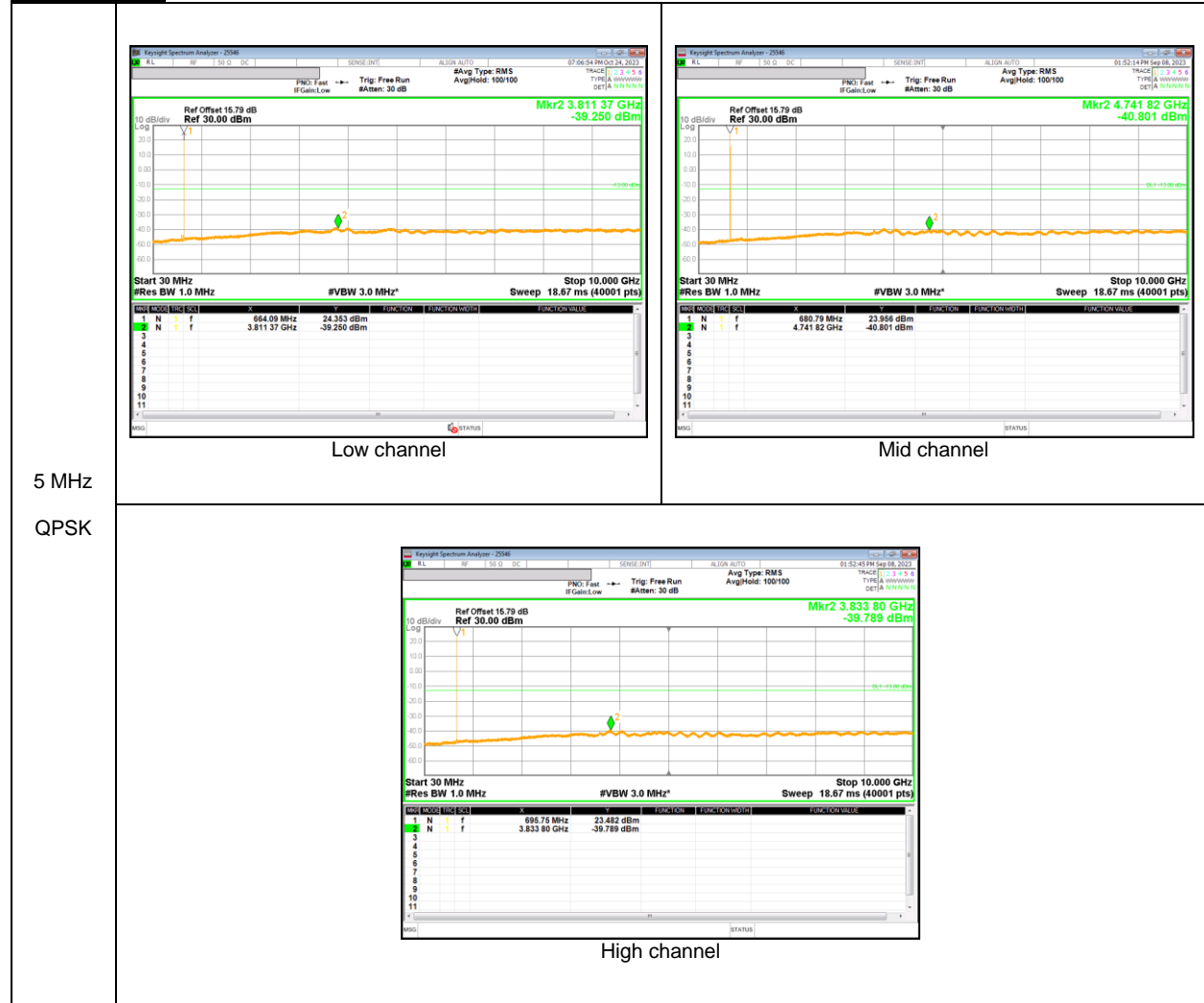
LTE Band 66B (UL CA)



LTE Band 66C (UL CA)



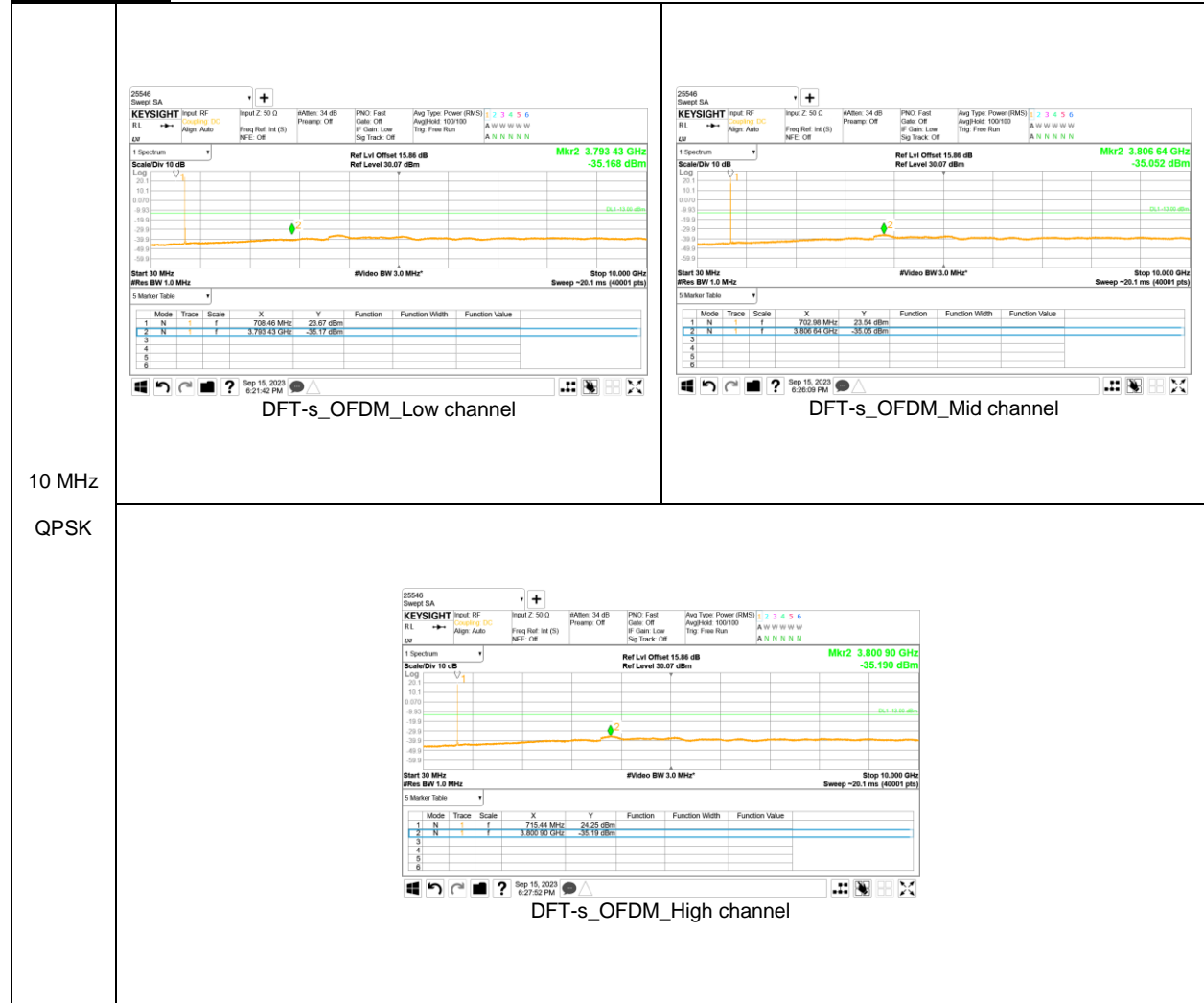
LTE Band 71



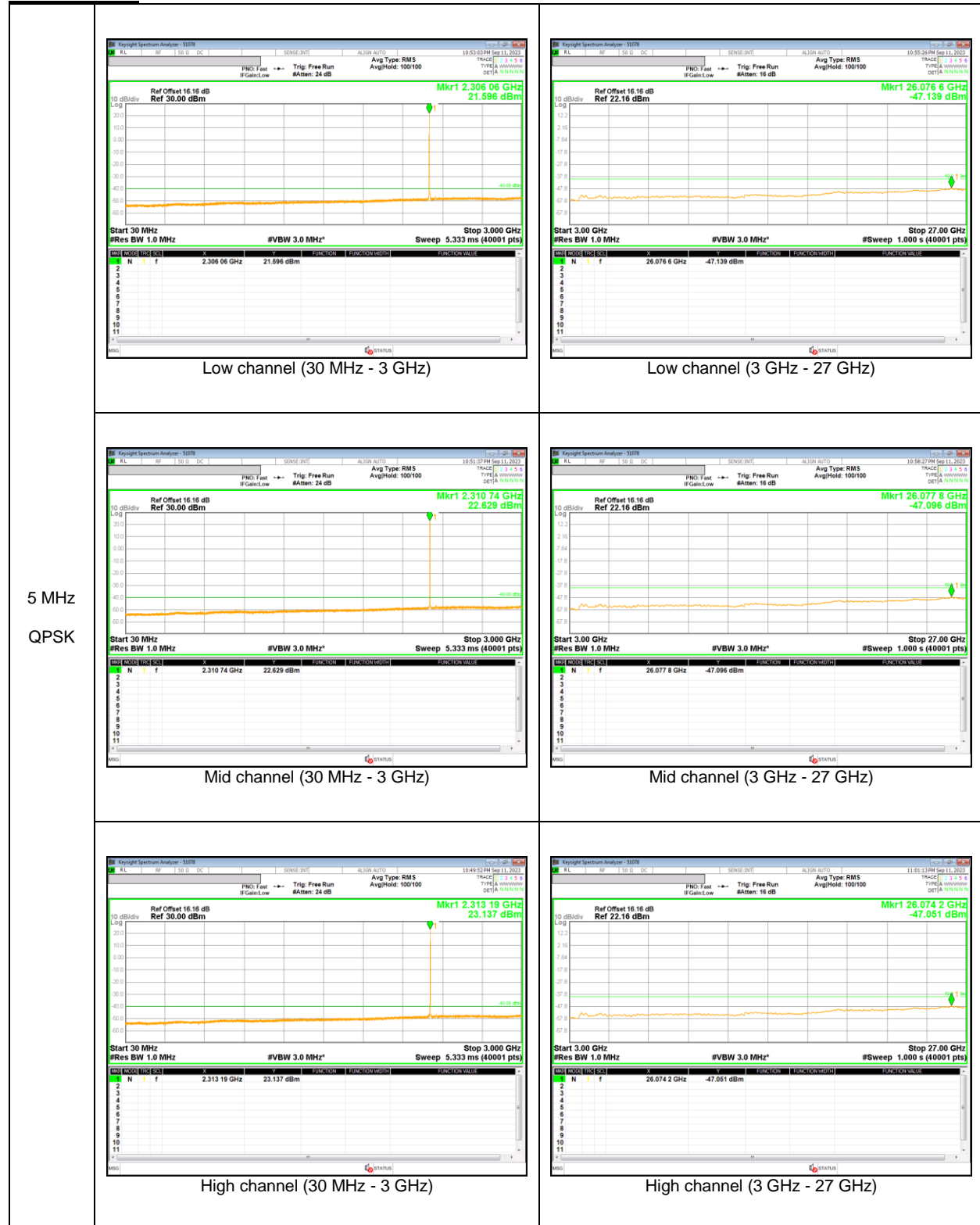
NR Band n7



NR Band n12



NR Band n30



NR Band n41(PC2)



NR Band n66



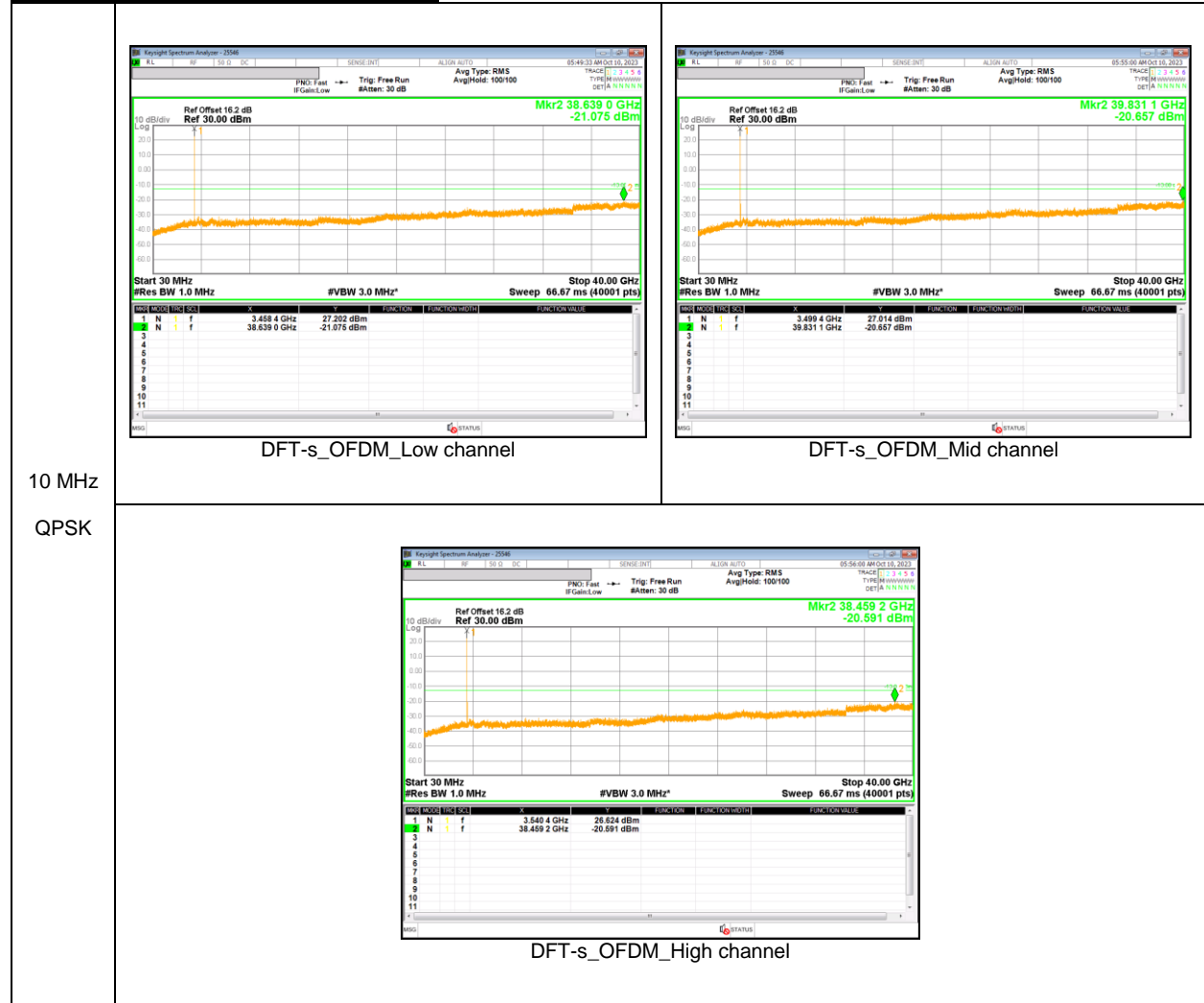
NR Band n70



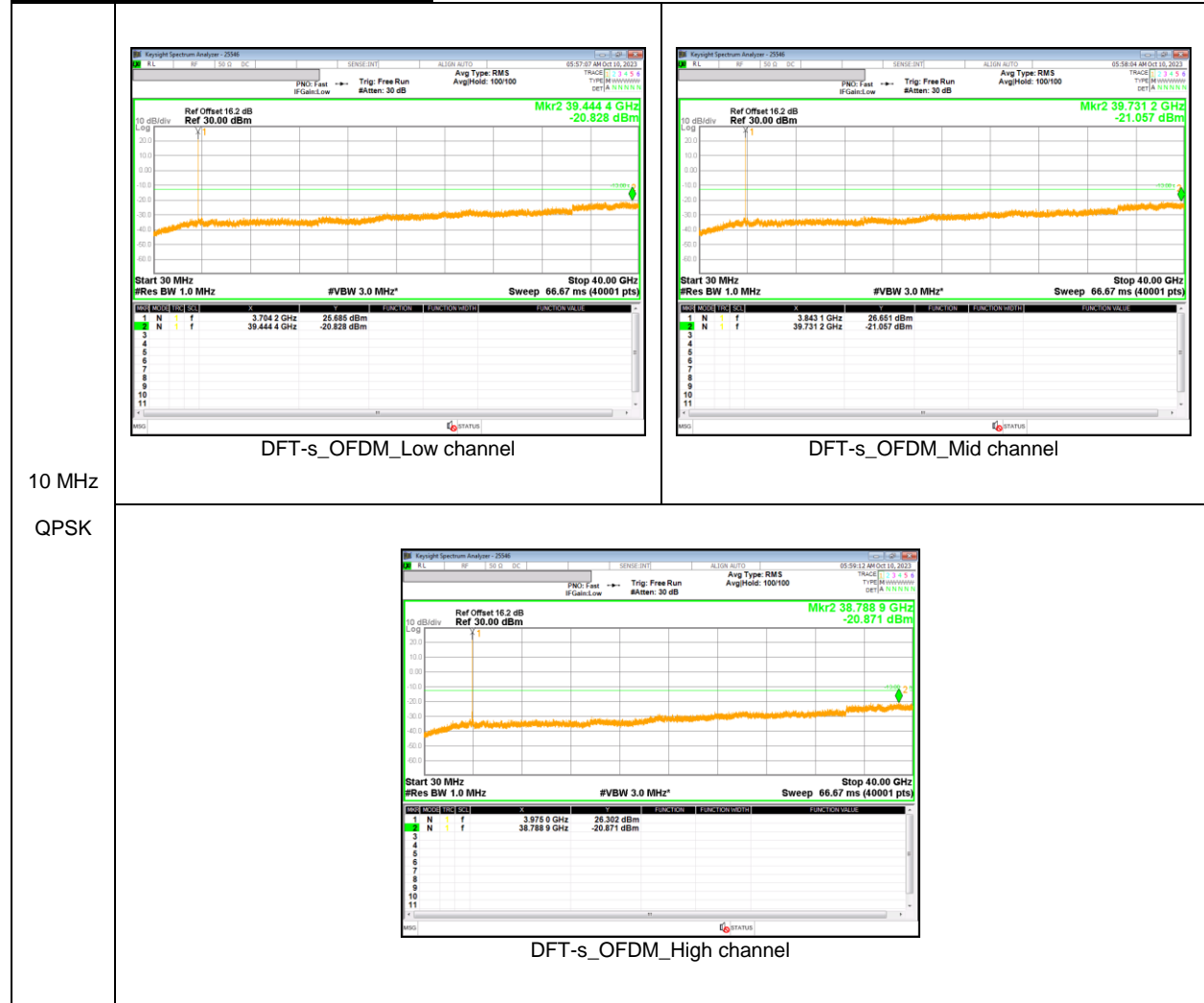
NR Band n71



NR Band n77(PC2, 3450–3550 MHz)



NR Band n77(PC2, 3700-3980 MHz)



8.6. FREQUENCY STABILITY

RULE PART(S)

FCC: §2.1055, §27.54

LIMITS

§27.54 - The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

TEST PROCEDURE

Per KDB 971168 D01 Power Meas License Digital Systems v03r01

RESULTS

See the following pages.

NOTE

Test were performed each lowest or highest frequency on the modulation condition of more wide bandwidth.(Please refer to section 9.1.1 OBW results)

8.6.1. FREQUENCY STABILITY RESULTS

WCDMA Band 4 (Lowest Frequency: REL99/ Highest Frequency: HSDPA)

Test Date	2023-10-05
Test Engineer	31870

Limit		1710	1755	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	1710.3231	1754.6786	21.5	0.012
Extreme (50C)		1710.3231	1754.6786		
Extreme (40C)		1710.3231	1754.6786		
Extreme (30C)		1710.3231	1754.6786		
Extreme (10C)		1710.3231	1754.6786		
Extreme (0C)		1710.3231	1754.6786		
Extreme (-10C)		1710.3231	1754.6786		
Extreme (-20C)		1710.3231	1754.6786		
Extreme (-30C)		1710.3231	1754.6786		
20C		15%	1710.3231		
	-15%	1710.3231	1754.6786	19.2	0.011
	End Point	1710.3231	1754.6786	22.2	0.013

LTE Band 7 (Lowest Frequency: QPSK / Highest Frequency: QPSK)

Test Date	2023-10-05
Test Engineer	31870

Limit		2500	2570	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	2500.2490	2569.7482	43.4	0.017
Extreme (50C)		2500.2490	2569.7482		
Extreme (40C)		2500.2490	2569.7482		
Extreme (30C)		2500.2490	2569.7482		
Extreme (10C)		2500.2490	2569.7482		
Extreme (0C)		2500.2490	2569.7482		
Extreme (-10C)		2500.2490	2569.7482		
Extreme (-20C)		2500.2490	2569.7482		
Extreme (-30C)		2500.2490	2569.7482		
20C		15%	2500.2490		
	-15%	2500.2490	2569.7482	38.2	0.015
	End Point	2500.2490	2569.7482	27.5	0.011

LTE Band 12 (Lowest Frequency: 16QAM / Highest Frequency: 16QAM)

Test Date	2023-10-05
Test Engineer	31870

Limit		699	716	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	699.1520	715.8477		
Extreme (50C)		699.1520	715.8477	2.1	0.003
Extreme (40C)		699.1520	715.8477	2.1	0.003
Extreme (30C)		699.1520	715.8477	1.9	0.003
Extreme (10C)		699.1520	715.8477	1.7	0.002
Extreme (0C)		699.1520	715.8477	2.4	0.003
Extreme (-10C)		699.1520	715.8477	3.1	0.004
Extreme (-20C)		699.1520	715.8477	2.5	0.004
Extreme (-30C)		699.1520	715.8477	1.9	0.003
20C	15%	699.1520	715.8477	1.1	0.002
	-15%	699.1520	715.8477	3.1	0.004
	End Point	699.1520	715.8477	0.9	0.001

LTE Band 13 (Lowest Frequency: QPSK / Highest Frequency: 16QAM)

Test Date	2023-10-05
Test Engineer	31870

Limit		777	787	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	777.2519	786.7570		
Extreme (50C)		777.2519	786.7570	1.9	0.002
Extreme (40C)		777.2519	786.7570	2.7	0.003
Extreme (30C)		777.2519	786.7570	1.5	0.002
Extreme (10C)		777.2519	786.7570	2.3	0.003
Extreme (0C)		777.2519	786.7570	3.2	0.004
Extreme (-10C)		777.2519	786.7570	0.4	0.000
Extreme (-20C)		777.2519	786.7570	1.9	0.002
Extreme (-30C)		777.2519	786.7570	0.9	0.001
20C	15%	777.2519	786.7570	1.3	0.002
	-15%	777.2519	786.7570	2.2	0.003
	End Point	777.2519	786.7570	2.3	0.003

LTE Band 30 (Lowest Frequency: 16QAM / Highest Frequency: 16QAM)

Test Date	2023-10-06
Test Engineer	31870

Limit		2305	2315	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	2305.2474	2314.7497	1.4	0.001
Extreme (50C)		2305.2474	2314.7497		
Extreme (40C)		2305.2474	2314.7497		
Extreme (30C)		2305.2474	2314.7497		
Extreme (10C)		2305.2474	2314.7497		
Extreme (0C)		2305.2474	2314.7497		
Extreme (-10C)		2305.2474	2314.7497		
Extreme (-20C)		2305.2474	2314.7497		
Extreme (-30C)		2305.2474	2314.7497		
20C		15%	2305.2474		
	-15%	2305.2474	2314.7497	2.9	0.001
	End Point	2305.2474	2314.7497	4.3	0.002

LTE Band 41(PC2) (Lowest Frequency: QPSK / Highest Frequency: 16QAM)

Test Date	2023-10-10
Test Engineer	31870

Limit		2496	2690	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	2496.2483	2689.7506	2.3	0.001
Extreme (50C)		2496.2483	2689.7506		
Extreme (40C)		2496.2483	2689.7506		
Extreme (30C)		2496.2483	2689.7506		
Extreme (10C)		2496.2483	2689.7506		
Extreme (0C)		2496.2483	2689.7506		
Extreme (-10C)		2496.2483	2689.7506		
Extreme (-20C)		2496.2483	2689.7506		
Extreme (-30C)		2496.2483	2689.7506		
20C		15%	2496.2483		
	-15%	2496.2483	2689.7506	3.2	0.001
	End Point	2496.2483	2689.7506	3.9	0.001

LTE Band 66 (Lowest Frequency: 16QAM/ Highest Frequency: QPSK)

Test Date	2023-10-10
Test Engineer	31870

Limit		1710	1780	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	1710.1538	1779.8481	15.2	0.009
Extreme (50C)		1710.1538	1779.8481		
Extreme (40C)		1710.1538	1779.8481		
Extreme (30C)		1710.1538	1779.8481		
Extreme (10C)		1710.1538	1779.8481		
Extreme (0C)		1710.1538	1779.8481		
Extreme (-10C)		1710.1538	1779.8481		
Extreme (-20C)		1710.1538	1779.8481		
Extreme (-30C)		1710.1538	1779.8481		
20C		15%	1710.1538		
	-15%	1710.1538	1779.8481	9.2	0.005
	End Point	1710.1538	1779.8481	10.1	0.006

LTE Band 71 (Lowest Frequency: QPSK / Highest Frequency: 16QAM)

Test Date	2023-10-11
Test Engineer	31870

Limit		663	698	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	663.2554	697.7507	4.4	0.006
Extreme (50C)		663.2554	697.7507		
Extreme (40C)		663.2554	697.7507		
Extreme (30C)		663.2554	697.7507		
Extreme (10C)		663.2554	697.7507		
Extreme (0C)		663.2554	697.7507		
Extreme (-10C)		663.2554	697.7507		
Extreme (-20C)		663.2554	697.7507		
Extreme (-30C)		663.2554	697.7507		
20C		15%	663.2554		
	-15%	663.2554	697.7507	2.5	0.004
	End Point	663.2554	697.7507	4.0	0.006

5G NR Band n7 (Lowest Frequency: QPSK / Highest Frequency: QPSK)

Test Date	2023-10-11
Test Engineer	31870

Limit		2500	2570	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	2500.2461	2569.7440	9.8	0.004
Extreme (50C)		2500.2461	2569.7440		
Extreme (40C)		2500.2461	2569.7440		
Extreme (30C)		2500.2461	2569.7440		
Extreme (10C)		2500.2461	2569.7440		
Extreme (0C)		2500.2461	2569.7440		
Extreme (-10C)		2500.2461	2569.7440		
Extreme (-20C)		2500.2461	2569.7440		
Extreme (-30C)		2500.2461	2569.7440		
20C		15%	2500.2461		
	-15%	2500.2461	2569.7440	5.3	0.002
	End Point	2500.2461	2569.7440	7.8	0.003

5G NR Band n12 (Lowest Frequency: QPSK / Highest Frequency: QPSK)

Test Date	2023-10-11
Test Engineer	31870

Limit		699	716	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	699.2619	715.7422	22.3	0.031
Extreme (50C)		699.2619	715.7422		
Extreme (40C)		699.2619	715.7422		
Extreme (30C)		699.2619	715.7422		
Extreme (10C)		699.2619	715.7422		
Extreme (0C)		699.2619	715.7422		
Extreme (-10C)		699.2619	715.7422		
Extreme (-20C)		699.2619	715.7422		
Extreme (-30C)		699.2619	715.7422		
20C		15%	699.2619		
	-15%	699.2619	715.7422	13.3	0.019
	End Point	699.2619	715.7422	19.9	0.028

5G NR Band n30 (Lowest Frequency: 16QAM / Highest Frequency: 16QAM)

Test Date	2023-10-12
Test Engineer	31870

Limit		2305	2315	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	2305.2477	2314.7462	8.5	0.004
Extreme (50C)		2305.2477	2314.7462		
Extreme (40C)		2305.2477	2314.7462		
Extreme (30C)		2305.2477	2314.7462		
Extreme (10C)		2305.2477	2314.7462		
Extreme (0C)		2305.2477	2314.7462		
Extreme (-10C)		2305.2477	2314.7462		
Extreme (-20C)		2305.2477	2314.7462		
Extreme (-30C)		2305.2477	2314.7462		
20C		15%	2305.2477		
	-15%	2305.2477	2314.7462	5.0	0.002
	End Point	2305.2477	2314.7462	8.4	0.004

5G NR Band n41(PC2) (Lowest Frequency: 16QAM/ Highest Frequency: 16QAM)

Test Date	2023-10-12
Test Engineer	31870

Normal (20C)		2496	2690	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	2496.6853	2689.3064	13.5	0.005
Extreme (50C)		2496.6853	2689.3064		
Extreme (40C)		2496.6853	2689.3064		
Extreme (30C)		2496.6853	2689.3064		
Extreme (10C)		2496.6853	2689.3064		
Extreme (0C)		2496.6853	2689.3064		
Extreme (-10C)		2496.6853	2689.3064		
Extreme (-20C)		2496.6853	2689.3064		
Extreme (-30C)		2496.6853	2689.3064		
20C		15%	2496.6853		
	-15%	2496.6853	2689.3064	13.2	0.005
	End Point	2496.6853	2689.3064	12.1	0.005

5G NR Band n66 (Lowest Frequency: QPSK / Highest Frequency: 16QAM)

Test Date	2023-10-13
Test Engineer	31870

Limit		1710	1780	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	1710.2579	1779.7440	11.2	0.006
Extreme (50C)		1710.2579	1779.7440		
Extreme (40C)		1710.2579	1779.7440		
Extreme (30C)		1710.2579	1779.7440		
Extreme (10C)		1710.2579	1779.7440		
Extreme (0C)		1710.2579	1779.7440		
Extreme (-10C)		1710.2579	1779.7440		
Extreme (-20C)		1710.2579	1779.7440		
Extreme (-30C)		1710.2579	1779.7440		
20C		15%	1710.2579		
	-15%	1710.2579	1779.7440	7.6	0.004
	End Point	1710.2579	1779.7440	11.2	0.006

5G NR Band n70 (Lowest Frequency: QPSK / Highest Frequency: QPSK)

Test Date	2023-10-13
Test Engineer	31870

Limit		1695	1710	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	1695.2574	1709.7459	23.6	0.014
Extreme (50C)		1695.2574	1709.7459		
Extreme (40C)		1695.2574	1709.7459		
Extreme (30C)		1695.2574	1709.7459		
Extreme (10C)		1695.2574	1709.7459		
Extreme (0C)		1695.2574	1709.7459		
Extreme (-10C)		1695.2574	1709.7459		
Extreme (-20C)		1695.2574	1709.7459		
Extreme (-30C)		1695.2574	1709.7459		
20C		15%	1695.2574		
	-15%	1695.2574	1709.7459	23.2	0.014
	End Point	1695.2574	1709.7459	14.2	0.008

5G NR Band n71 (Lowest Frequency: QPSK / Highest Frequency: QPSK)

Test Date	2023-10-17
Test Engineer	31870

Limit		663	698	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	663.2604	697.7438	18.3	0.027
Extreme (50C)		663.2604	697.7438		
Extreme (40C)		663.2604	697.7438		
Extreme (30C)		663.2604	697.7438		
Extreme (10C)		663.2604	697.7438		
Extreme (0C)		663.2604	697.7438		
Extreme (-10C)		663.2604	697.7438		
Extreme (-20C)		663.2604	697.7438		
Extreme (-30C)		663.2604	697.7438		
20C		15%	663.2604		
	-15%	663.2604	697.7438	21.6	0.032
	End Point	663.2604	697.7438	26.6	0.039

NR Band n77(PC2) 3450 – 3550 MHz (Lowest Frequency: 16QAM / Highest Frequency: 16QAM)

Test Date	2023-10-17
Test Engineer	31870

Limit		3450	3550	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	3450.6711	3549.2912	12.0	0.003
Extreme (50C)		3450.6711	3549.2912		
Extreme (40C)		3450.6711	3549.2912		
Extreme (30C)		3450.6711	3549.2912		
Extreme (10C)		3450.6711	3549.2912		
Extreme (0C)		3450.6711	3549.2912		
Extreme (-10C)		3450.6711	3549.2912		
Extreme (-20C)		3450.6711	3549.2912		
Extreme (-30C)		3450.6711	3549.2912		
20C		15%	3450.6711		
	-15%	3450.6711	3549.2912	9.8	0.003
	End Point	3450.6711	3549.2912	19.1	0.005

NR Band n77(PC2) 3700 – 3980 MHz
(Lowest Frequency: QPSK / Highest Frequency: QPSK)

Test Date	2023-10-17
Test Engineer	31870

Limit		3700	3980	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	3700.6967	3979.3083		
Extreme (50C)		3700.6967	3979.3083	15.6	0.004
Extreme (40C)		3700.6967	3979.3083	12.3	0.003
Extreme (30C)		3700.6967	3979.3083	10.2	0.003
Extreme (10C)		3700.6967	3979.3083	10.0	0.003
Extreme (0C)		3700.6967	3979.3083	6.8	0.002
Extreme (-10C)		3700.6967	3979.3083	7.8	0.002
Extreme (-20C)		3700.6967	3979.3083	9.0	0.002
Extreme (-30C)		3700.6967	3979.3083	14.2	0.004
20C	15%	3700.6967	3979.3083	10.6	0.003
	-15%	3700.6967	3979.3083	11.2	0.003
	End Point	3700.6967	3979.3083	16.9	0.004

9. RADIATED RESULTS

9.1. RADIATED POWER (ERP & EIRP)

RULE PART(S)

FCC: §2.1046, §27.50

LIMITS

27.50:

(a)(3) Mobile and portable stations. (i) For mobile and portable stations transmitting in the 2305-2315 MHz band or the 2350-2360 MHz band, the average EIRP must not exceed 50 milliwatts within any 1 megahertz of authorized bandwidth, except that for mobile and portable stations compliant with 3GPP LTE standards or another advanced mobile broadband protocol that avoids concentrating energy at the edge of the operating band the average EIRP must not exceed 250 milliwatts within any 5 megahertz of authorized bandwidth but may exceed 50 milliwatts within any 1 megahertz of authorized bandwidth. For mobile and portable stations using time division duplexing (TDD) technology, the duty cycle must not exceed 38 percent in the 2305-2315 MHz and 2350-2360 MHz bands. Mobile and portable stations using FDD technology are restricted to transmitting in the 2305-2315 MHz band. Power averaging shall not include intervals in which the transmitter is off.

(b)(10) Portable stations (hand-held devices) transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands are limited to 3 watts ERP.

(c) (10) - Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP.

(d)(4) Fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watt EIRP.

(h) The following power limits shall apply in the BRS and EBS:

(2) Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.

(j)(3) Mobile and portable stations are limited to 1 Watt EIRP. Mobile and portable stations operating in these bands must employ a means for limiting power to the minimum necessary for successful communications.

(k)(3) Mobile devices are limited to 1Watt (30 dBm) EIRP. Mobile devices operating in these bands must employ a means for limiting power to the minimum necessary for successful communications.

TEST PROCEDURE

ANSI / TIA / EIA 603 E Clause 2.2.17; ESU40 setting reference to 971168 D01 v03r01

For radiated output power measurement with a ESU40:

- a) Set the RBW \geq OBW;
- b) Set VBW $\geq 3 \times$ RBW;
- c) Set span $\geq 2 \times$ RBW;
- d) Sweep time = auto couple or 1 second;
- e) Detector = rms;
- f) Ensure that the number of measurement points \geq span/RBW;
- g) Trace Mode = max hold(WCDMA), average(LTE, 5G NR);

NOTE1

LTE Band 41(PC2) A-MPR is implemented in this EUT when operating on HPUE per the A-MPR specification in 3GPP TS 36.101 (Table 6.2.4-4a). Also only Emission mask test item were performed A-MPR condition.

TEST RESULTS

See the following pages.

9.1.1. ERP/EIRP Results

WCDMA

Band	Mode	f (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)
Band 4_ANT A	REL99	1712.40	17.64	H	4.31	9.51	22.84	192.31	33.00	-7.16
		1732.60	18.23	H	4.33	9.60	23.51	224.39	33.00	-6.49
		1752.60	18.08	H	4.36	9.68	23.41	219.28	33.00	-6.59
	HSDPA	1712.40	16.63	H	4.31	9.51	21.83	152.41	33.00	-8.17
		1732.60	17.23	H	4.33	9.60	22.51	178.24	33.00	-7.49
		1752.60	17.13	H	4.36	9.68	22.46	176.20	33.00	-7.54

LTE Band 7 (ANT B)

BW (MHz)	Modulation	f (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB
20	QPSK	2510.00	18.14	H	5.25	10.06	22.96	197.74	33.00	-10.04	1/49
		2535.00	18.54	H	5.28	10.04	23.30	213.96	33.00	-9.70	1/49
		2560.00	18.22	H	5.30	10.01	22.93	196.40	33.00	-10.07	1/0
	16-QAM	2510.00	16.24	H	5.25	10.06	21.06	127.67	33.00	-11.94	1/0
		2535.00	17.26	H	5.28	10.04	22.02	159.34	33.00	-10.98	1/49
		2560.00	17.03	H	5.30	10.01	21.74	149.33	33.00	-11.26	1/0
15	QPSK	2507.50	18.34	H	5.25	10.07	23.16	206.88	33.00	-9.84	1/37
		2535.00	18.48	H	5.28	10.04	23.24	211.02	33.00	-9.76	1/74
		2562.50	18.29	H	5.30	10.00	22.99	199.10	33.00	-10.01	1/37
	16-QAM	2507.50	17.18	H	5.25	10.07	22.00	158.39	33.00	-11.00	1/37
		2535.00	17.28	H	5.28	10.04	22.04	160.08	33.00	-10.96	1/37
		2562.50	17.27	H	5.30	10.00	21.97	157.43	33.00	-11.03	1/37
10	QPSK	2505.00	17.80	H	5.24	10.07	22.63	183.29	33.00	-10.37	1/25
		2535.00	18.29	H	5.28	10.04	23.05	201.99	33.00	-9.95	1/25
		2565.00	18.55	H	5.31	10.00	23.24	211.05	33.00	-9.76	1/25
	16-QAM	2505.00	16.84	H	5.24	10.07	21.67	146.94	33.00	-11.33	1/0
		2535.00	17.33	H	5.28	10.04	22.09	161.93	33.00	-10.91	1/25
		2565.00	17.53	H	5.31	10.00	22.22	166.88	33.00	-10.78	1/25
5	QPSK	2502.50	17.80	H	5.24	10.07	22.63	183.16	33.00	-10.37	1/12
		2535.00	18.31	H	5.28	10.04	23.07	202.92	33.00	-9.93	1/24
		2567.50	18.34	H	5.31	10.00	23.03	200.91	33.00	-9.97	1/24
	16-QAM	2502.50	16.84	H	5.24	10.07	21.67	146.84	33.00	-11.33	1/12
		2535.00	17.34	H	5.28	10.04	22.10	162.30	33.00	-10.90	1/24
		2567.50	17.34	H	5.31	10.00	22.03	159.59	33.00	-10.97	1/24

LTE Band 7 (ANT F)

BW (MHz)	Modulation	f (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB
20	QPSK	2510.00	17.81	H	5.25	9.98	22.54	179.60	33.00	-10.46	1/50
		2535.00	18.99	H	5.28	9.93	23.65	231.81	33.00	-9.35	1/50
		2560.00	17.46	H	5.30	9.91	22.07	160.97	33.00	-10.93	1/50
	16-QAM	2510.00	17.59	H	5.25	9.98	22.32	170.69	33.00	-10.68	1/50
		2535.00	18.48	H	5.28	9.93	23.14	205.98	33.00	-9.86	1/50
		2560.00	16.96	H	5.30	9.91	21.56	143.37	33.00	-11.44	1/50
15	QPSK	2507.50	17.93	H	5.25	9.99	22.67	185.11	33.00	-10.33	1/38
		2535.00	18.78	H	5.28	9.93	23.44	220.56	33.00	-9.56	1/38
		2562.50	17.32	H	5.30	9.91	21.92	155.66	33.00	-11.08	1/38
	16-QAM	2507.50	17.49	H	5.25	9.99	22.23	167.20	33.00	-10.77	1/38
		2535.00	18.27	H	5.28	9.93	22.93	196.21	33.00	-10.07	1/38
		2562.50	16.82	H	5.30	9.91	21.42	138.67	33.00	-11.58	1/38
10	QPSK	2505.00	18.22	H	5.24	9.99	22.97	198.23	33.00	-10.03	1/25
		2535.00	19.01	H	5.28	9.93	23.67	233.04	33.00	-9.33	1/25
		2565.00	18.04	H	5.31	9.91	22.64	183.45	33.00	-10.36	1/25
	16-QAM	2505.00	17.89	H	5.24	9.99	22.63	183.43	33.00	-10.37	1/25
		2535.00	18.57	H	5.28	9.93	23.23	210.44	33.00	-9.77	1/25
		2565.00	17.47	H	5.31	9.91	22.07	161.03	33.00	-10.93	1/25
5	QPSK	2502.50	18.32	H	5.24	10.00	23.07	202.89	33.00	-9.93	1/13
		2535.00	18.64	H	5.28	9.93	23.30	213.81	33.00	-9.70	1/13
		2567.50	17.27	H	5.31	9.91	21.87	153.73	33.00	-11.13	1/13
	16-QAM	2502.50	17.93	H	5.24	10.00	22.68	185.42	33.00	-10.32	1/13
		2535.00	17.85	H	5.28	9.93	22.51	178.04	33.00	-10.49	1/13
		2567.50	17.23	H	5.31	9.91	21.83	152.28	33.00	-11.17	1/13

LTE Band 12 (ANT A)

BW (MHz)	Modulation	f (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBd)	ERP (dBm)	ERP (mW)	Limit (dBm)	Delta (dB)	RB
10	QPSK	704.00	22.47	V	2.79	-1.34	18.34	68.23	34.77	-16.43	1/0
		707.50	22.58	V	2.79	-1.34	18.45	69.98	34.77	-16.32	1/25
		711.00	22.48	V	2.80	-1.33	18.35	68.43	34.77	-16.42	1/0
	16-QAM	704.00	21.43	V	2.79	-1.34	17.30	53.70	34.77	-17.47	1/0
		707.50	21.75	V	2.79	-1.34	17.62	57.80	34.77	-17.15	1/25
		711.00	21.66	V	2.80	-1.33	17.53	56.66	34.77	-17.24	1/0
5	QPSK	701.50	22.35	V	2.78	-1.35	18.22	66.44	34.77	-16.55	1/0
		707.50	22.57	V	2.79	-1.34	18.44	69.82	34.77	-16.33	1/12
		713.50	21.79	V	2.81	-1.32	17.67	58.42	34.77	-17.10	1/24
	16-QAM	701.50	21.50	V	2.78	-1.35	17.37	54.63	34.77	-17.40	1/0
		707.50	21.68	V	2.79	-1.34	17.55	56.88	34.77	-17.22	1/12
		713.50	20.88	V	2.81	-1.32	16.76	47.37	34.77	-18.01	1/24
3	QPSK	700.50	22.21	V	2.78	-1.35	18.08	64.24	34.77	-16.69	1/0
		707.50	22.76	V	2.79	-1.34	18.63	72.94	34.77	-16.14	1/8
		714.50	21.69	V	2.81	-1.32	17.56	57.04	34.77	-17.21	1/14
	16-QAM	700.50	21.44	V	2.78	-1.35	17.31	53.80	34.77	-17.46	1/0
		707.50	21.83	V	2.79	-1.34	17.70	58.88	34.77	-17.07	1/0
		714.50	20.67	V	2.81	-1.32	16.54	45.10	34.77	-18.23	1/14
1.4	QPSK	699.70	22.25	V	2.78	-1.35	18.12	64.88	34.77	-16.65	1/3
		707.50	22.56	V	2.79	-1.34	18.43	69.66	34.77	-16.34	1/0
		715.30	21.91	V	2.81	-1.32	17.78	60.02	34.77	-16.99	1/5
	16-QAM	699.70	21.38	V	2.78	-1.35	17.25	53.10	34.77	-17.52	1/3
		707.50	21.84	V	2.79	-1.34	17.71	59.01	34.77	-17.06	1/0
		715.30	20.81	V	2.81	-1.32	16.88	46.59	34.77	-18.09	1/5

LTE Band 12 (ANT E)

BW (MHz)	Modulation	f (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBd)	ERP (dBm)	ERP (mW)	Limit (dBm)	Delta (dB)	RB
10	QPSK	704.00	25.54	V	2.79	-1.34	21.41	138.35	34.77	-13.36	1/49
		707.50	25.42	V	2.79	-1.34	21.29	134.57	34.77	-13.48	1/25
		711.00	25.75	V	2.80	-1.33	21.62	145.30	34.77	-13.15	1/25
	16-QAM	704.00	24.53	V	2.79	-1.34	20.40	109.65	34.77	-14.37	1/49
		707.50	24.34	V	2.79	-1.34	20.21	104.95	34.77	-14.56	1/25
		711.00	24.79	V	2.80	-1.33	20.66	116.49	34.77	-14.11	1/0
5	QPSK	701.50	25.11	V	2.78	-1.35	20.98	125.44	34.77	-13.79	1/24
		707.50	25.51	V	2.79	-1.34	21.38	137.39	34.77	-13.39	1/12
		713.50	26.00	V	2.81	-1.32	21.88	154.01	34.77	-12.89	1/12
	16-QAM	701.50	24.11	V	2.78	-1.35	19.98	99.64	34.77	-14.79	1/24
		707.50	24.53	V	2.79	-1.34	20.40	109.64	34.77	-14.37	1/12
		713.50	25.14	V	2.81	-1.32	21.02	126.34	34.77	-13.75	1/12
3	QPSK	700.50	25.00	V	2.78	-1.35	20.87	122.13	34.77	-13.90	1/8
		707.50	25.59	V	2.79	-1.34	21.46	139.95	34.77	-13.31	1/8
		714.50	26.23	V	2.81	-1.32	22.10	162.26	34.77	-12.67	1/8
	16-QAM	700.50	23.89	V	2.78	-1.35	19.76	94.58	34.77	-15.01	1/8
		707.50	24.51	V	2.79	-1.34	20.38	109.13	34.77	-14.39	1/8
		714.50	25.25	V	2.81	-1.32	21.12	129.48	34.77	-13.65	1/8
1.4	QPSK	699.70	24.73	V	2.78	-1.35	20.60	114.84	34.77	-14.17	1/3
		707.50	25.48	V	2.79	-1.34	21.35	136.45	34.77	-13.42	1/3
		715.30	26.20	V	2.81	-1.32	22.07	161.17	34.77	-12.70	1/3
	16-QAM	699.70	23.67	V	2.78	-1.35	19.54	89.97	34.77	-15.23	1/3
		707.50	24.48	V	2.79	-1.34	20.35	108.38	34.77	-14.42	1/3
		715.30	25.16	V	2.81	-1.32	21.03	126.85	34.77	-13.74	1/3

LTE Band 13 (ANT A)

BW (MHz)	Modulation	f (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBd)	ERP (dBm)	ERP (mW)	Limit (dBm)	Delta (dB)	RB
10	QPSK	782.00	24.50	V	2.93	-1.19	20.38	109.14	34.77	-14.39	1/25
	16-QAM	782.00	23.51	V	2.93	-1.19	19.39	86.90	34.77	-15.38	1/25
5	QPSK	779.50	24.46	V	2.93	-1.19	20.34	108.14	34.77	-14.43	1/24
		782.00	24.27	V	2.93	-1.19	20.15	103.51	34.77	-14.62	1/12
		784.50	24.61	V	2.94	-1.18	20.49	111.94	34.77	-14.28	1/12
	16-QAM	779.50	23.46	V	2.93	-1.19	19.34	85.90	34.77	-15.43	1/0
		782.00	23.22	V	2.93	-1.19	19.10	81.28	34.77	-15.67	1/12
		784.50	23.69	V	2.94	-1.18	19.57	90.57	34.77	-15.20	1/0

LTE Band 13 (ANT E)

BW (MHz)	Modulation	f (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBd)	ERP (dBm)	ERP (mW)	Limit (dBm)	Delta (dB)	RB
10	QPSK	782.00	23.21	V	2.93	-1.19	19.09	81.07	34.77	-15.68	1/25
	16-QAM	782.00	22.25	V	2.93	-1.19	18.13	64.99	34.77	-16.64	1/25
5	QPSK	779.50	23.16	V	2.93	-1.19	19.04	80.17	34.77	-15.73	1/12
		782.00	23.17	V	2.93	-1.19	19.05	80.33	34.77	-15.72	1/12
		784.50	23.17	V	2.94	-1.18	19.05	80.30	34.77	-15.72	1/0
	16-QAM	779.50	22.16	V	2.93	-1.19	18.04	63.68	34.77	-16.73	1/12
		782.00	22.22	V	2.93	-1.19	18.10	64.55	34.77	-16.67	1/12
		784.50	22.22	V	2.94	-1.18	18.10	64.52	34.77	-16.67	1/0

LTE Band 30 (ANT A)

BW (MHz)	Modulation	f (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB
10	QPSK	2310.00	15.47	H	5.03	9.76	20.20	104.82	24.00	-3.80	1/25
	16-QAM	2310.00	14.64	H	5.03	9.76	19.37	86.58	24.00	-4.63	1/25
5	QPSK	2307.50	15.62	H	5.02	9.75	20.34	108.14	24.00	-3.66	1/12
		2310.00	15.74	H	5.03	9.76	20.47	111.54	24.00	-3.53	1/12
		2312.50	15.62	H	5.03	9.77	20.36	108.67	24.00	-3.64	1/0
	16-QAM	2311.10	14.80	H	5.03	9.77	19.54	89.99	24.00	-4.46	1/12
		2310.00	14.70	H	5.03	9.76	19.43	87.79	24.00	-4.57	1/12
		2308.90	14.94	H	5.03	9.76	19.67	92.63	24.00	-4.33	1/12

LTE Band 30 (ANT F)

BW (MHz)	Modulation	f (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB
10	QPSK	2310.00	16.25	H	5.03	9.76	20.98	125.44	24.00	-3.02	1/25
	16-QAM	2310.00	15.52	H	5.03	9.76	20.25	106.03	24.00	-3.75	1/25
5	QPSK	2307.50	16.21	H	5.02	9.75	20.93	123.87	24.00	-3.07	1/13
		2310.00	15.66	H	5.03	9.76	20.39	109.51	24.00	-3.61	1/13
		2312.50	16.05	H	5.03	9.77	20.79	119.98	24.00	-3.21	1/13
	16-QAM	2311.10	15.48	H	5.03	9.77	20.22	105.25	24.00	-3.78	1/13
		2310.00	15.42	H	5.03	9.76	20.15	103.62	24.00	-3.85	1/13
		2308.90	15.65	H	5.03	9.76	20.38	109.03	24.00	-3.62	1/13

LTE Band 41 (PC2, ANT B)

BW (MHz)	Modulation	f (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB
20	QPSK	2506.00	19.33	V	5.25	10.07	24.15	259.73	33.00	-8.85	1/49
		2593.00	20.09	V	5.34	9.97	24.72	296.21	33.00	-8.28	1/49
		2680.00	20.03	V	5.43	10.04	24.63	290.72	33.00	-8.37	1/49
	16-QAM	2506.00	18.84	V	5.25	10.07	23.66	232.02	33.00	-9.34	1/0
		2593.00	19.57	V	5.34	9.97	24.20	292.79	33.00	-8.80	1/0
		2680.00	19.37	V	5.43	10.04	23.97	249.73	33.00	-9.03	1/0
15	QPSK	2503.50	19.29	V	5.24	10.07	24.12	298.23	33.00	-8.88	1/37
		2593.00	20.13	V	5.34	9.97	24.76	299.23	33.00	-8.24	1/37
		2682.50	20.63	V	5.43	10.05	25.24	334.20	33.00	-7.76	1/0
	16-QAM	2503.50	18.75	V	5.24	10.07	23.58	228.03	33.00	-9.42	1/37
		2593.00	19.37	V	5.34	9.97	24.00	251.19	33.00	-9.00	1/37
		2682.50	19.81	V	5.43	10.05	24.42	276.69	33.00	-8.58	1/37
10	QPSK	2501.00	19.16	V	5.24	10.00	23.92	246.60	33.00	-9.08	1/25
		2593.00	19.18	V	5.34	9.91	23.75	237.14	33.00	-9.25	1/49
		2685.00	19.74	V	5.43	9.87	24.18	261.82	33.00	-8.82	1/25
	16-QAM	2501.00	18.56	V	5.24	10.00	23.32	214.78	33.00	-9.68	1/49
		2593.00	18.61	V	5.34	9.91	23.18	207.97	33.00	-9.82	1/49
		2685.00	19.23	V	5.43	9.87	23.67	232.81	33.00	-9.33	1/49
5	QPSK	2498.50	19.03	V	5.23	10.00	23.79	239.33	33.00	-9.21	1/24
		2593.00	19.18	V	5.34	9.91	23.75	237.14	33.00	-9.25	1/0
		2687.50	20.02	V	5.44	9.87	24.45	278.61	33.00	-8.55	1/0
	16-QAM	2498.50	18.48	V	5.23	10.00	23.24	210.86	33.00	-9.76	1/12
		2593.00	18.66	V	5.34	9.91	23.23	210.38	33.00	-9.77	1/24
		2687.50	19.23	V	5.44	9.87	23.66	232.27	33.00	-9.34	1/12

LTE Band 41 (ULCA, PC2)(ANT B)

BW (MHz)	Modulation	f (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB	
											PCC	SCC
40	QPSK	2515.90	19.15	H	5.26	9.97	23.86	243.16	33.00	-9.14	1/99	1/0
		2593.00	18.70	H	5.34	9.91	23.28	212.60	33.00	-9.72	1/99	1/0
		2670.00	19.21	H	5.43	9.87	23.65	231.87	33.00	-9.35	1/99	1/0
	16-QAM	2515.90	18.01	H	5.26	9.97	22.72	187.06	33.00	-10.28	1/99	1/0
		2593.00	17.56	H	5.34	9.91	22.14	163.63	33.00	-10.86	1/99	1/0
		2670.00	17.91	H	5.43	9.87	22.36	172.00	33.00	-10.64	1/99	1/0

LTE Band 41 (PC2, ANT F)

BW (MHz)	Modulation	f (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB
20	QPSK	2506.00	18.70	H	5.25	9.99	23.44	220.82	33.00	-9.56	1/99
		2593.00	18.27	H	5.34	9.91	22.85	192.56	33.00	-10.15	1/49
		2680.00	19.51	H	5.43	9.87	23.95	248.14	33.00	-9.05	1/49
	16-QAM	2506.00	17.61	H	5.25	9.99	22.35	171.80	33.00	-10.65	1/49
		2593.00	17.14	H	5.34	9.91	21.72	148.45	33.00	-11.28	1/99
		2680.00	19.01	H	5.43	9.87	23.45	221.16	33.00	-9.55	1/49
15	QPSK	2503.50	17.11	H	5.24	9.99	21.86	153.50	33.00	-11.14	1/37
		2593.00	18.65	H	5.34	9.91	23.23	210.17	33.00	-9.77	1/37
		2682.50	19.74	H	5.43	9.87	24.18	261.97	33.00	-8.82	1/37
	16-QAM	2503.50	17.12	H	5.24	9.99	21.87	153.85	33.00	-11.13	1/37
		2593.00	17.74	H	5.34	9.91	22.32	170.44	33.00	-10.68	1/37
		2682.50	18.91	H	5.43	9.87	23.35	216.40	33.00	-9.65	1/37
10	QPSK	2501.00	18.17	H	5.24	10.00	22.93	196.34	33.00	-10.07	1/25
		2593.00	18.51	H	5.34	9.91	23.09	203.50	33.00	-9.91	1/25
		2685.00	19.24	H	5.43	9.87	23.68	233.33	33.00	-9.32	1/25
	16-QAM	2501.00	17.38	H	5.24	10.00	22.14	163.68	33.00	-10.86	1/25
		2593.00	17.76	H	5.34	9.91	22.34	171.23	33.00	-10.66	1/25
		2685.00	18.42	H	5.43	9.87	22.86	193.18	33.00	-10.14	1/25
5	QPSK	2498.50	18.20	H	5.23	10.00	22.97	198.04	33.00	-10.03	1/12
		2593.00	18.26	H	5.34	9.91	22.84	192.12	33.00	-10.16	1/12
		2687.50	19.91	H	5.44	9.87	24.35	272.13	33.00	-8.65	1/12
	16-QAM	2498.50	17.38	H	5.23	10.00	22.15	163.97	33.00	-10.85	1/12
		2593.00	17.44	H	5.34	9.91	22.02	159.06	33.00	-10.98	1/12
		2687.50	18.98	H	5.44	9.87	23.42	219.68	33.00	-9.58	1/12

LTE Band 41 (ULCA, PC2)(ANT F)

BW (MHz)	Modulation	f (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB	
											PCC	SCC
40	QPSK	2515.90	17.77	H	5.26	9.97	22.48	176.92	33.00	-10.52	1/99	1/0
		2593.00	17.27	H	5.34	9.91	21.84	152.85	33.00	-11.16	1/99	1/0
		2670.10	17.58	H	5.43	9.87	22.03	159.49	33.00	-10.97	1/99	1/0
	16-QAM	2515.90	17.08	H	5.26	9.97	21.78	150.83	33.00	-11.22	1/99	1/0
		2593.00	16.45	H	5.34	9.91	21.02	126.61	33.00	-11.98	1/99	1/0
		2670.10	16.84	H	5.43	9.87	21.29	134.47	33.00	-11.71	1/99	1/0

LTE Band 66 (ANT A)

BW (MHz)	Modulation	f (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB	
											PCC	SCC
20	QPSK	1720.00	18.57	H	4.32	9.55	23.80	239.88	30.00	-6.20	1/0	
		1745.00	18.67	H	4.35	9.66	23.98	250.03	30.00	-6.02	1/0	
		1770.00	17.70	H	4.38	9.68	23.01	199.99	30.00	-6.99	1/49	
	16-QAM	1720.00	17.74	H	4.32	9.55	22.97	198.15	30.00	-7.03	1/49	
		1745.00	17.88	H	4.35	9.66	23.19	208.45	30.00	-6.81	1/0	
		1770.00	17.07	H	4.38	9.68	22.38	172.98	30.00	-7.62	1/49	
15	QPSK	1717.50	18.51	H	4.31	9.53	23.73	236.05	30.00	-6.27	1/0	
		1745.00	18.61	H	4.35	9.66	23.92	246.60	30.00	-6.08	1/0	
		1772.50	18.21	H	4.38	9.68	23.51	224.39	30.00	-6.49	1/0	
	16-QAM	1717.50	17.82	H	4.31	9.53	23.04	201.37	30.00	-6.96	1/37	
		1745.00	17.95	H	4.35	9.66	23.25	211.94	30.00	-6.74	1/0	
		1772.50	17.32	H	4.38	9.68	22.62	182.81	30.00	-7.38	1/0	
10	QPSK	1715.00	18.73	H	4.31	9.52	23.94	247.74	30.00	-6.06	1/25	
		1745.00	18.58	H	4.35	9.66	23.89	244.91	30.00	-6.11	1/0	
		1775.00	18.08	H	4.38	9.68	23.38	217.77	30.00	-6.62	1/0	
	16-QAM	1715.00	17.97	H	4.31	9.52	23.18	207.97	30.00	-6.82	1/25	
		1745.00	17.87	H	4.35	9.66	23.18	207.97	30.00	-6.82	1/0	
		1775.00	17.41	H	4.38	9.68	22.71	186.64	30.00	-7.29	1/0	
5	QPSK	1712.50	18.50	H	4.31	9.51	23.71	234.96	30.00	-6.29	1/12	
		1745.00	18.52	H	4.35	9.66	23.83	241.55	30.00	-6.17	1/12	
		1777.50	17.68	H	4.39	9.68	22.98	198.61	30.00	-7.02	1/12	
	16-QAM	1712.50	17.72	H	4.31	9.51	22.93	196.34	30.00	-7.07	1/12	
		1745.00	17.82	H	4.35	9.66	23.13	205.59	30.00	-6.87	1/12	
		1777.50	16.85	H	4.39	9.68	22.15	164.06	30.00	-7.85	1/0	
3	QPSK	1711.50	18.36	H	4.31	9.51	23.56	226.99	30.00	-6.44	1/8	
		1745.00	18.55	H	4.35	9.66	23.86	243.22	30.00	-6.14	1/8	
		1778.50	17.67	H	4.39	9.68	22.96	197.70	30.00	-7.04	1/8	
	16-QAM	1711.50	17.49	H	4.31	9.51	22.69	185.78	30.00	-7.31	1/8	
		1745.00	17.82	H	4.35	9.66	23.20	208.93	30.00	-6.80	1/8	
		1778.50	16.99	H	4.39	9.68	22.28	169.04	30.00	-7.72	1/8	
1.4	QPSK	1710.70	18.39	H	4.31	9.50	23.59	228.56	30.00	-6.41	1/0	
		1745.00	18.59	H	4.35	9.66	23.90	245.47	30.00	-6.10	1/0	
		1779.30	17.30	H	4.39	9.68	22.59	181.55	30.00	-7.41	1/0	
	16-QAM	1710.70	17.69	H	4.31	9.50	22.89	194.54	30.00	-7.11	1/0	
		1745.00	17.97	H	4.35	9.66	23.28	212.81	30.00	-6.72	1/0	
		1779.30	16.72	H	4.39	9.68	22.01	158.85	30.00	-7.99	1/0	

LTE Band 66B (ULCA, ANT A)

BW (MHz)	Modulation	f (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB	
											PCC	SCC
20	QPSK	1719.95	17.99	H	4.32	9.55	23.22	209.95	30.00	-6.78	1/49	1/0
		1745.05	17.82	H	4.35	9.66	23.13	206.82	30.00	-6.87	1/49	1/0
		1770.05	17.60	H	4.38	9.68	22.90	195.11	30.00	-7.10	1/49	1/0
	16-QAM	1719.95	17.29	H	4.32	9.55	22.52	178.49	30.00	-7.48	1/49	1/0
		1745.05	17.14	H	4.35	9.66	22.45	175.87	30.00	-7.55	1/49	1/0
		1770.05	16.99	H	4.38	9.68	22.29	169.62	30.00	-7.71	1/49	1/0

LTE Band 66B (ULCA, ANT F)

BW (MHz)	Modulation	f (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB	
											PCC	SCC
20	QPSK	1719.95	16.10	H	4.32	9.55	21.33	135.93	30.00	-8.67	1/49	1/0
		1745.05	15.13	H	4.35	9.66	20.45	110.84	30.00	-9.55	1/49	1/0
		1770.05	14.84	H	4.38	9.68	20.15	103.46	30.00	-9.85	1/49	1/0
	16-QAM	1719.95	15.30	H	4.32	9.55	20.53	112.88	30.00	-9.47	1/49	1/0
		1745.05	14.24	H	4.35	9.66	19.55	90.22	30.00	-10.45	1/49	1/0
		1770.05	14.20	H	4.38	9.68	19.50	89.16	30.00	-10.50	1/49	1/0

LTE Band 66 (ANT F)

BW (MHz)	Modulation	f (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB	
											PCC	SCC
20	QPSK	1720.00	16.85	H	4.32	9.55	22.08	161.32	30.00	-7.92	1/49	
		1745.00	15.99	H	4.35	9.66	21.30	135.01	30.00	-8.70	1/49	
		1770.00	15.69	H	4.38	9.68	21.00	125.83	30.00	-9.00	1/49	
	16-QAM	1720.00	15.96	H	4.32	9.55	21.19	131.43	30.00	-8.81	1/49	
		1745.00	15.22	H	4.35	9.66	20.53	113.07	30.00	-9.47	1/49	
		1770.00	14.93	H	4.38	9.68	20.24	105.63	30.00	-9.76	1/49	
15	QPSK	1717.50	16.67	H	4.31	9.53	21.89	154.60	30.00	-8.11	1/38	
		1745.00	16.20	H	4.35	9.66	21.51	141.70	30.00	-8.49	1/38	
		1772.50	15.44	H	4.38	9.68	20.74	118.49	30.00	-9.26	1/38	
	16-QAM	1717.50	15.78	H	4.31	9.53	21.00	125.96	30.00	-9.00	1/38	
		1745.00	15.51	H	4.35	9.66	20.82	120.88	30.00	-9.18	1/38	
		1772.50	17.33	V	4.38	9.68	22.63	183.35	30.00	-7.37	1/38	
10	QPSK	1715.00	16.80	H	4.31	9.52	22.01	158.99	30.00	-7.99	1/25	
		1745.00	16.02	H	4.35	9.66	21.33	135.95	30.00	-8.67	1/25	
		1775.00	15.62	H	4.38	9.68	20.92	123.53	30.00	-9.08	1/25	
	16-QAM	1715.00	15.46	H	4.31	9.52	20.67	116.78	30.00	-9.33	1/25	
		1745.00	15.30	H	4.35	9.66	20.61	115.18	30.00	-9.39	1/25	
		1775.00	14.77	H	4.38	9.68	20.07	101.57	30.00	-9.93	1/25	
5	QPSK	1712.50	15.89	H	4.31	9.51	21.10	128.78	30.00	-8.90	1/12	
		1745.00	15.85	H	4.35	9.66	21.16	130.73	30.00	-8.84	1/12	
		1777.50	14.93	H	4.39	9.68	20.23	105.33	30.00	-9.77	1/12	
	16-QAM	1712.50	15.03	H	4.31	9.51	20.24	105.65	30.00	-9.76	1/12	
		1745.00	15.10	H	4.35	9.66	20.41	109.99	30.00	-9.59	1/12	
		1777.50	14.42	H	4.39	9.68	19.72	93.66	30.00	-10.28	1/12	
3	QPSK	1711.50	16.23	H	4.31	9.51	21.43	139.07	30.00	-8.57	1/8	
		1745.00	16.02	H	4.35	9.66	21.33	135.95	30.00	-8.67	1/8	
		1778.50	15.22	H	4.39	9.68	20.51	112.42	30.00	-9.49	1/8	
	16-QAM	1711.50	15.43	H	4.31	9.51	20.63	115.54	30.00	-9.37	1/8	
		1745.00	15.30	H	4.35	9.66	20.61	115.18	30.00	-9.39	1/8	
		1778.50	14.37	H	4.39	9.68	19.66	92.43	30.00	-10.34	1/8	
1.4	QPSK	1710.70	16.47	H	4.31	9.50	21.67	146.87	30.00	-8.33	1/3	
		1745.00	15.83	H	4.35	9.66	21.14	130.13	30.00	-8.86	1/3	
		1779.30	14.57	H	4.39	9.68	19.86	96.87	30.00	-10.14	1/3	
	16-QAM	1710.70	15.64	H	4.31	9.50	20.84	121.32	30.00	-9.16	1/3	
		1745.00	15.13	H	4.35	9.66	20.44	110.76	30.00	-9.56	1/3	
		1779.30	14.07	H	4.39	9.68	19.36	86.34	30.00	-10.64	1/3	

LTE Band 66C (ULCA, ANT A)

BW (MHz)	Modulation	f (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB	
											PCC	SCC
40	QPSK	1729.90	17.17	H	4.33	9.59	22.43	175.13	30.00	-7.57	1/99	1/0
		1745.00	17.50	H	4.35	9.66	22.82	191.32	30.00	-7.18	1/99	1/0
		1760.10	17.21	H	4.37	9.68	22.53	178.04	30.00	-7.47	1/99	1/0
	16-QAM	1729.90	16.48	H	4.33	9.59	21.75	149.51	30.00	-8.25	1/99	1/0
		1745.00	16.72	H	4.35	9.66	22.04	159.87	30.00	-7.96	1/99	1/0
		1760.10	16.44	H	4.37	9.68	21.76	149.98	30.00	-8.24	1/99	1/0

LTE Band 66C (ULCA, ANT F)

BW (MHz)	Modulation	f (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB	
											PCC	SCC
40	QPSK	1729.90	15.28	H	4.33	9.59	20.55	113.41	30.00	-9.45	1/99	1/0
		1745.00	14.68	H	4.35	9.66	20.00	99.97	30.00	-10.00	1/99	1/0
		1760.10	14.72	H	4.37	9.68	20.03	100.77	30.00	-9.97	1/99	1/0
	16-QAM	1729.90	14.51	H	4.33	9.59	19.77	94.83	30.00	-10.23	1/99	1/0
		1745.00	13.85	H	4.35	9.66	19.16	82.48	30.00	-10.84	1/99	1/0
		1760.10	13.98	H	4.37	9.68	19.30	85.10	30.00	-10.70	1/99	1/0

LTE Band 71 (ANT A)

BW (MHz)	Modulation	f (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBd)	ERP (dBm)	ERP (mW)	Limit (dBm)	Delta (dB)	RB
20	QPSK	673.00	21.40	V	2.73	-1.43	17.24	52.97	34.77	-17.53	1/99
		680.50	21.78	V	2.74	-1.41	17.63	57.94	34.77	-17.14	1/49
		688.00	20.66	V	2.76	-1.39	16.52	44.87	34.77	-18.25	1/49
	16-QAM	673.00	20.36	V	2.73	-1.43	16.20	41.69	34.77	-18.57	1/99
		680.50	20.67	V	2.74	-1.41	16.52	44.87	34.77	-18.25	1/0
		688.00	19.66	V	2.76	-1.39	15.52	35.65	34.77	-19.25	1/49
15	QPSK	670.50	20.48	V	2.72	-1.44	16.32	42.85	34.77	-18.45	1/0
		680.50	21.82	V	2.74	-1.41	17.67	58.48	34.77	-17.10	1/0
		690.50	22.26	V	2.76	-1.38	18.11	64.71	34.77	-16.66	1/0
	16-QAM	670.50	19.38	V	2.72	-1.44	15.22	33.27	34.77	-19.55	1/0
		680.50	20.74	V	2.74	-1.41	16.59	45.60	34.77	-18.18	1/0
		690.50	21.20	V	2.76	-1.38	17.05	50.70	34.77	-17.72	1/0
10	QPSK	668.00	20.48	V	2.72	-1.45	16.32	42.85	34.77	-18.45	1/25
		680.50	21.47	V	2.74	-1.41	17.32	53.95	34.77	-17.45	1/0
		693.00	22.49	V	2.77	-1.37	18.35	68.39	34.77	-16.42	1/0
	16-QAM	668.00	19.67	V	2.72	-1.45	15.51	35.56	34.77	-19.26	1/25
		680.50	20.44	V	2.74	-1.41	16.23	42.56	34.77	-18.48	1/25
		693.00	21.47	V	2.77	-1.37	17.33	54.08	34.77	-17.44	1/0
5	QPSK	665.50	20.24	V	2.71	-1.45	16.07	40.46	34.77	-18.70	1/0
		680.50	20.18	V	2.74	-1.41	16.03	40.09	34.77	-18.74	1/12
		695.50	20.88	V	2.77	-1.36	16.75	47.32	34.77	-18.02	1/12
	16-QAM	665.50	19.21	V	2.71	-1.45	15.04	31.92	34.77	-19.73	1/12
		680.50	19.09	V	2.74	-1.41	14.94	31.19	34.77	-19.83	1/12
		695.50	20.01	V	2.77	-1.36	15.85	38.73	34.77	-18.89	1/12

LTE Band 71 (ANT E)

BW (MHz)	Modulation	f (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBd)	ERP (dBm)	ERP (mW)	Limit (dBm)	Delta (dB)	RB
20	QPSK	673.00	18.27	V	2.73	-1.43	14.11	25.76	34.77	-20.66	1/99
		680.50	18.63	V	2.74	-1.41	14.48	28.03	34.77	-20.29	1/0
		688.00	18.79	V	2.76	-1.39	14.65	29.17	34.77	-20.12	1/0
	16-QAM	673.00	17.41	V	2.73	-1.43	13.25	21.13	34.77	-21.52	1/49
		680.50	17.78	V	2.74	-1.41	13.63	23.05	34.77	-21.14	1/49
		688.00	17.83	V	2.76	-1.39	13.69	23.39	34.77	-21.08	1/99
15	QPSK	670.50	18.38	V	2.72	-1.44	14.22	26.40	34.77	-20.55	1/74
		680.50	18.23	V	2.74	-1.41	14.08	25.57	34.77	-20.69	1/37
		690.50	18.38	V	2.76	-1.38	14.23	26.52	34.77	-20.54	1/0
	16-QAM	670.50	17.30	V	2.72	-1.44	13.14	20.59	34.77	-21.63	1/37
		680.50	17.20	V	2.74	-1.41	13.05	20.17	34.77	-21.72	1/37
		690.50	17.40	V	2.76	-1.38	13.25	21.16	34.77	-21.52	1/37
10	QPSK	668.00	18.70	V	2.72	-1.45	14.54	28.43	34.77	-20.23	1/49
		680.50	18.98	V	2.74	-1.41	14.83	30.38	34.77	-19.94	1/0
		693.00	17.24	V	2.77	-1.37	13.10	20.44	34.77	-21.67	1/0
	16-QAM	668.00	17.41	V	2.72	-1.45	13.25	21.13	34.77	-21.52	1/25
		680.50	17.96	V	2.74	-1.41	13.81	24.02	34.77	-20.96	1/0
		693.00	16.19	V	2.77	-1.37	12.05	16.05	34.77	-22.72	1/0
5	QPSK	665.50	18.64	V	2.71	-1.45	14.47	27.99	34.77	-20.30	1/12
		680.50	18.67	V	2.74	-1.41	14.52	28.29	34.77	-20.25	1/0
		695.50	17.56	V	2.77	-1.36	13.43	22.01	34.77	-21.34	1/12
	16-QAM	665.50	17.60	V	2.71	-1.45	13.43	22.03	34.77	-21.34	1/12
		680.50	17.59	V	2.74	-1.41	13.44	22.06	34.77	-21.33	1/12
		695.50	16.57	V	2.77	-1.36	12.44	17.52	34.77	-22.33	1/12

5G NR n7 (ANT B)

BW (MHz)	Modulation	f (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB
40	QPSK	2520.00	17.85	H	5.26	9.96	22.55	179.97	33.00	-10.45	1/1
		2535.00	18.96	H	5.28	9.93	23.62	230.26	33.00	-9.38	1/108
		2550.00	18.71	H	5.29	9.91	23.32	214.93	33.00	-9.68	1/108
	16-QAM	2520.00	17.07	H	5.26	9.96	21.77	150.38	33.00	-11.23	1/1
		2535.00	17.82	H	5.28	9.93	22.48	177.10	33.00	-10.52	1/108
		2550.00	17.88	H	5.29	9.91	22.49	177.54	33.00	-10.51	1/108
35	QPSK	2517.50	17.87	H	5.26	9.97	22.58	181.27	33.00	-10.42	1/93
		2535.00	18.70	H	5.28	9.93	23.36	216.88	33.00	-9.64	1/93
		2552.50	19.19	H	5.30	9.91	23.80	239.81	33.00	-9.20	1/93
	16-QAM	2517.50	17.48	H	5.26	9.97	22.19	165.70	33.00	-10.81	1/93
		2535.00	17.99	H	5.28	9.93	22.65	194.17	33.00	-10.35	1/93
		2552.50	18.02	H	5.30	9.91	22.63	183.17	33.00	-10.37	1/93
30	QPSK	2515.00	18.35	H	5.26	9.97	23.06	202.53	33.00	-9.94	1/158
		2535.00	18.73	H	5.28	9.93	23.39	218.39	33.00	-9.61	1/1
		2555.00	18.66	H	5.30	9.91	23.26	211.88	33.00	-9.74	1/1
	16-QAM	2515.00	17.57	H	5.26	9.97	22.28	169.23	33.00	-10.72	1/158
		2535.00	17.99	H	5.28	9.93	22.65	194.17	33.00	-10.35	1/1
		2555.00	18.21	H	5.30	9.91	22.81	191.02	33.00	-10.19	1/1
25	QPSK	2512.50	18.10	H	5.26	9.98	22.82	191.38	33.00	-10.18	1/131
		2535.00	17.97	H	5.28	9.93	22.63	183.33	33.00	-10.37	1/1
		2557.50	18.71	H	5.30	9.91	23.32	214.75	33.00	-9.68	1/1
	16-QAM	2512.50	17.17	H	5.26	9.98	21.89	154.48	33.00	-11.11	1/131
		2535.00	16.75	H	5.28	9.93	21.41	138.43	33.00	-11.59	1/1
		2557.50	17.49	H	5.30	9.91	22.10	162.16	33.00	-10.90	1/1
20	QPSK	2510.00	17.39	H	5.25	9.98	22.12	163.09	33.00	-10.88	1/1
		2535.00	17.66	H	5.28	9.93	22.32	170.70	33.00	-10.68	1/1
		2560.00	17.39	H	5.30	9.91	22.00	158.32	33.00	-11.00	1/1
	16-QAM	2510.00	16.56	H	5.25	9.98	21.29	134.72	33.00	-11.71	1/1
		2535.00	16.75	H	5.28	9.93	21.41	138.43	33.00	-11.59	1/1
		2560.00	16.56	H	5.30	9.91	21.17	130.78	33.00	-11.83	1/1
15	QPSK	2507.50	17.33	H	5.25	9.99	22.07	161.23	33.00	-10.93	1/1
		2535.00	17.70	H	5.28	9.93	22.36	172.28	33.00	-10.64	1/77
		2562.50	16.75	H	5.30	9.91	21.36	136.71	33.00	-11.64	1/1
	16-QAM	2507.50	16.41	H	5.25	9.99	21.15	130.45	33.00	-11.85	1/1
		2535.00	16.48	H	5.28	9.93	21.14	130.08	33.00	-11.86	1/26
		2562.50	15.94	H	5.30	9.91	20.55	113.45	33.00	-12.45	1/1
10	QPSK	2505.00	17.28	H	5.24	9.99	22.03	159.51	33.00	-10.97	1/1
		2535.00	18.22	H	5.28	9.93	22.88	194.19	33.00	-10.12	1/26
		2565.00	16.30	H	5.31	9.91	20.90	123.03	33.00	-12.10	1/1
	16-QAM	2505.00	16.37	H	5.24	9.99	21.12	129.35	33.00	-11.88	1/1
		2535.00	17.32	H	5.28	9.93	21.98	157.84	33.00	-11.02	1/26
		2565.00	15.25	H	5.31	9.91	19.85	96.61	33.00	-13.15	1/1
5	QPSK	2502.50	17.39	H	5.24	10.00	22.14	163.74	33.00	-10.86	1/23
		2535.00	17.74	H	5.28	9.93	22.40	173.87	33.00	-10.60	1/13
		2567.50	16.50	H	5.31	9.91	21.10	128.87	33.00	-11.90	1/1
	16-QAM	2502.50	16.41	H	5.24	10.00	21.16	130.67	33.00	-11.84	1/23
		2535.00	17.03	H	5.28	9.93	21.69	147.65	33.00	-11.31	1/13
		2567.50	15.98	H	5.31	9.91	20.58	114.33	33.00	-12.42	1/1

5G NR n7 (ANT F)

BW (MHz)	Modulation	f (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB
40	QPSK	2520.00	18.39	H	5.26	9.96	23.09	203.79	33.00	-9.91	1/108
		2535.00	18.31	H	5.28	9.93	22.97	198.26	33.00	-10.03	1/214
		2550.00	18.50	H	5.29	9.91	23.11	204.78	33.00	-9.89	1/108
	16-QAM	2520.00	17.80	H	5.26	9.96	22.50	177.91	33.00	-10.50	1/108
		2535.00	17.69	H	5.28	9.93	22.35	171.88	33.00	-10.65	1/214
		2550.00	17.45	H	5.29	9.91	22.06	160.80	33.00	-10.94	1/108
35	QPSK	2517.50	18.68	H	5.26	9.97	23.39	218.44	33.00	-9.61	1/93
		2535.00	18.98	H	5.28	9.93	23.64	231.33	33.00	-9.36	1/93
		2552.50	18.15	H	5.30	9.91	22.76	188.74	33.00	-10.24	1/93
	16-QAM	2517.50	17.53	H	5.26	9.97	22.24	167.62	33.00	-10.76	1/93
		2535.00	18.19	H	5.28	9.93	22.85	192.85	33.00	-10.15	1/93
		2552.50	17.29	H	5.30	9.91	21.90	154.83	33.00	-11.10	1/93
30	QPSK	2515.00	18.53	H	5.26	9.97	23.24	211.10	33.00	-9.76	1/158
		2535.00	19.08	H	5.28	9.93	23.74	236.72	33.00	-9.26	1/80
		2555.00	19.00	H	5.30	9.91	23.60	229.13	33.00	-9.40	1/1
	16-QAM	2515.00	17.61	H	5.26	9.97	22.32	170.80	33.00	-10.68	1/158
		2535.00	18.08	H	5.28	9.93	22.74	198.03	33.00	-10.26	1/80
		2555.00	17.91	H	5.30	9.91	22.51	178.27	33.00	-10.49	1/1
25	QPSK	2512.50	18.48	H	5.26	9.98	23.20	208.87	33.00	-9.80	1/131
		2535.00	17.42	H	5.28	9.93	22.08	161.52	33.00	-10.92	1/67
		2557.50	18.20	H	5.30	9.91	22.81	190.96	33.00	-10.19	1/1
	16-QAM	2512.50	17.38	H	5.26	9.98	22.10	162.14	33.00	-10.90	1/131
		2535.00	16.92	H	5.28	9.93	21.58	143.95	33.00	-11.42	1/67
		2557.50	16.85	H	5.30	9.91	21.46	139.94	33.00	-11.54	1/1
20	QPSK	2510.00	17.56	H	5.25	9.98	22.29	169.60	33.00	-10.71	1/104
		2535.00	17.88	H	5.28	9.93	22.54	179.57	33.00	-10.46	1/104
		2560.00	17.47	H	5.30	9.91	22.08	161.27	33.00	-10.92	1/1
	16-QAM	2510.00	16.96	H	5.25	9.98	21.69	147.71	33.00	-11.31	1/104
		2535.00	17.06	H	5.28	9.93	21.72	148.67	33.00	-11.28	1/104
		2560.00	16.52	H	5.30	9.91	21.13	129.58	33.00	-11.87	1/1
15	QPSK	2507.50	17.99	H	5.25	9.99	22.73	187.69	33.00	-10.27	1/77
		2535.00	18.22	H	5.28	9.93	22.88	194.19	33.00	-10.12	1/1
		2562.50	17.26	H	5.30	9.91	21.87	153.74	33.00	-11.13	1/1
	16-QAM	2507.50	17.04	H	5.25	9.99	21.78	150.81	33.00	-11.22	1/77
		2535.00	17.19	H	5.28	9.93	21.85	153.19	33.00	-11.15	1/1
		2562.50	16.38	H	5.30	9.91	20.99	125.54	33.00	-12.01	1/1
10	QPSK	2505.00	17.84	H	5.24	9.99	22.59	181.46	33.00	-10.41	1/1
		2535.00	18.18	H	5.28	9.93	22.84	192.41	33.00	-10.16	1/1
		2565.00	16.97	H	5.31	9.91	21.57	143.55	33.00	-11.43	1/1
	16-QAM	2505.00	16.85	H	5.24	9.99	21.60	144.47	33.00	-11.40	1/1
		2535.00	17.02	H	5.28	9.93	21.68	147.31	33.00	-11.32	1/1
		2565.00	15.95	H	5.31	9.91	20.55	113.50	33.00	-12.45	1/1
5	QPSK	2502.50	18.00	H	5.24	10.00	22.75	188.44	33.00	-10.25	1/1
		2535.00	17.93	H	5.28	9.93	22.59	181.65	33.00	-10.41	1/1
		2567.50	16.23	H	5.31	9.91	20.83	121.10	33.00	-12.17	1/13
	16-QAM	2502.50	16.95	H	5.24	10.00	21.70	147.97	33.00	-11.30	1/1
		2535.00	17.06	H	5.28	9.93	21.72	148.67	33.00	-11.28	1/1
		2567.50	15.48	H	5.31	9.91	20.08	101.89	33.00	-12.92	1/13

5G NR n12 (ANT A)

BW (MHz)	Modulation	f (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	ERP (dBm)	ERP (mW)	Limit (dBm)	Delta (dB)	RB
15	QPSK	706.50	22.39	V	2.79	-1.34	18.26	67.00	34.77	-16.51	1/1
		707.50	22.52	V	2.79	-1.34	18.39	69.02	34.77	-16.38	1/1
		708.50	22.59	V	2.80	-1.33	18.47	70.25	34.77	-16.30	1/1
	16-QAM	706.50	21.28	V	2.79	-1.34	17.15	51.89	34.77	-17.62	1/40
		707.50	21.44	V	2.79	-1.34	17.31	53.82	34.77	-17.46	1/40
		708.50	21.51	V	2.80	-1.33	17.39	54.79	34.77	-17.38	1/1
10	QPSK	704.00	22.63	V	2.79	-1.34	18.50	70.79	34.77	-16.27	1/50
		707.50	22.82	V	2.79	-1.34	18.69	73.95	34.77	-16.08	1/1
		711.00	22.38	V	2.80	-1.33	18.25	66.88	34.77	-16.52	1/50
	16-QAM	704.00	21.63	V	2.79	-1.34	17.50	56.23	34.77	-17.27	1/26
		707.50	21.90	V	2.79	-1.34	17.77	59.84	34.77	-17.00	1/1
		711.00	21.13	V	2.80	-1.33	17.00	50.15	34.77	-17.77	1/1
5	QPSK	701.50	22.41	V	2.78	-1.35	18.28	67.37	34.77	-16.49	1/1
		707.50	22.87	V	2.79	-1.34	18.74	74.81	34.77	-16.03	1/1
		713.50	22.41	V	2.81	-1.32	18.29	67.38	34.77	-16.48	1/13
	16-QAM	701.50	21.41	V	2.78	-1.35	17.28	53.51	34.77	-17.49	1/23
		707.50	22.08	V	2.79	-1.34	17.95	62.37	34.77	-16.82	1/13
		713.50	21.17	V	2.81	-1.32	17.05	50.65	34.77	-17.72	1/13

5G NR n12 (ANT E)

BW (MHz)	Modulation	f (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	ERP (dBm)	ERP (mW)	Limit (dBm)	Delta (dB)	RB
15	QPSK	706.50	26.26	V	2.79	-1.34	22.13	163.34	34.77	-12.64	1/1
		707.50	26.45	V	2.79	-1.34	22.32	170.59	34.77	-12.45	1/1
		708.50	26.33	V	2.80	-1.33	22.21	166.21	34.77	-12.56	1/1
	16-QAM	706.50	25.24	V	2.79	-1.34	21.11	129.15	34.77	-13.66	1/1
		707.50	25.28	V	2.79	-1.34	21.15	130.31	34.77	-13.62	1/1
		708.50	25.22	V	2.80	-1.33	21.10	128.73	34.77	-13.67	1/1
10	QPSK	704.00	26.62	V	2.79	-1.34	22.49	177.41	34.77	-12.28	1/26
		707.50	26.37	V	2.79	-1.34	22.24	167.48	34.77	-12.53	1/1
		711.00	26.56	V	2.80	-1.33	22.43	175.10	34.77	-12.34	1/1
	16-QAM	704.00	25.52	V	2.79	-1.34	21.39	137.72	34.77	-13.38	1/26
		707.50	25.37	V	2.79	-1.34	21.24	133.03	34.77	-13.53	1/1
		711.00	25.37	V	2.80	-1.33	21.24	133.13	34.77	-13.53	1/1
5	QPSK	701.50	26.59	V	2.78	-1.35	22.46	176.38	34.77	-12.31	1/13
		707.50	26.42	V	2.79	-1.34	22.29	169.42	34.77	-12.48	1/23
		713.50	26.43	V	2.81	-1.32	22.31	170.04	34.77	-12.46	1/13
	16-QAM	701.50	25.44	V	2.78	-1.35	21.31	135.34	34.77	-13.46	1/13
		707.50	25.32	V	2.79	-1.34	21.19	131.51	34.77	-13.58	1/23
		713.50	25.29	V	2.81	-1.32	21.17	130.78	34.77	-13.60	1/13

5G NR n30 (ANT A)

BW (MHz)	Modulation	f (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB
10	QPSK	2310.00	16.22	H	5.03	9.76	20.95	124.58	24.00	-3.05	1/1
	16QAM	2310.00	15.28	H	5.03	9.76	20.01	100.33	24.00	-3.99	1/1
5	QPSK	2307.50	15.76	H	5.02	9.75	20.48	111.68	24.00	-3.52	1/1
		2310.00	16.03	H	5.03	9.76	20.76	119.24	24.00	-3.24	1/1
		2312.50	15.91	H	5.03	9.77	20.65	116.17	24.00	-3.35	1/1
	16-QAM	2307.50	15.05	H	5.03	9.77	19.79	95.33	24.00	-4.21	1/1
		2310.00	14.98	H	5.03	9.76	19.71	93.63	24.00	-4.29	1/1
		2312.50	14.50	H	5.03	9.76	19.23	83.66	24.00	-4.77	1/1

5G NR n30 (ANT F)

BW (MHz)	Modulation	f (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB
10	QPSK	2310.00	16.50	H	5.03	9.76	21.23	132.87	24.00	-2.77	1/26
	16QAM	2310.00	15.47	H	5.03	9.76	20.20	104.82	24.00	-3.80	1/26
5	QPSK	2307.50	16.48	H	5.02	9.75	21.20	131.82	24.00	-2.80	1/13
		2310.00	16.76	H	5.03	9.76	21.49	141.07	24.00	-2.51	1/13
		2312.50	16.50	H	5.03	9.77	21.24	133.08	24.00	-2.76	1/13
	16-QAM	2307.50	15.87	H	5.03	9.77	20.61	115.14	24.00	-3.39	1/13
		2310.00	15.90	H	5.03	9.76	20.63	115.73	24.00	-3.37	1/13
		2312.50	15.51	H	5.03	9.76	20.24	105.57	24.00	-3.76	1/13

5G NR n41 (PC2, ANT B)

BW (MHz)	Modulation	f (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB
100	QPSK	2546.01	20.48	H	5.29	9.91	25.11	324.05	33.00	-7.89	1/137
		2592.99	19.47	H	5.34	9.91	24.05	253.96	33.00	-8.95	1/137
		2640.00	18.97	H	5.39	9.88	23.45	221.33	33.00	-9.55	1/137
	16-QAM	2546.01	19.66	H	5.29	9.91	24.28	267.99	33.00	-8.72	1/137
		2592.99	18.54	H	5.34	9.91	23.12	205.01	33.00	-9.88	1/137
		2640.00	18.07	H	5.39	9.88	22.55	179.90	33.00	-10.45	1/137
90	QPSK	2541.00	21.20	H	5.28	9.92	25.84	383.74	33.00	-7.16	1/123
		2592.99	19.62	H	5.34	9.91	24.20	262.82	33.00	-8.80	1/123
		2644.98	18.09	H	5.40	9.87	22.57	180.54	33.00	-10.43	1/123
	16-QAM	2541.00	20.45	H	5.28	9.92	25.09	322.65	33.00	-7.91	1/123
		2592.99	18.68	H	5.34	9.91	23.25	211.48	33.00	-9.75	1/123
		2644.98	18.47	H	5.40	9.87	22.95	197.05	33.00	-10.05	1/123
80	QPSK	2536.02	21.14	H	5.28	9.93	25.80	379.89	33.00	-7.20	1/109
		2592.99	19.56	H	5.34	9.91	24.14	259.16	33.00	-8.86	1/109
		2649.99	18.82	H	5.41	9.87	23.28	212.95	33.00	-9.72	1/109
	16-QAM	2536.02	20.33	H	5.28	9.93	24.99	315.25	33.00	-8.01	1/109
		2592.99	18.42	H	5.34	9.91	23.00	199.33	33.00	-10.00	1/109
		2649.99	17.94	H	5.41	9.87	22.40	173.89	33.00	-10.60	1/109
70	QPSK	2531.02	21.22	H	5.28	9.94	25.89	387.86	33.00	-7.11	1/95
		2593.99	19.76	H	5.34	9.91	24.34	271.37	33.00	-8.66	1/95
		2654.98	19.43	H	5.41	9.87	23.89	244.70	33.00	-9.11	1/95
	16-QAM	2531.02	20.47	H	5.28	9.94	25.14	326.35	33.00	-7.86	1/95
		2593.99	18.60	H	5.34	9.91	23.18	207.86	33.00	-9.82	1/95
		2654.98	18.54	H	5.41	9.87	23.00	199.36	33.00	-10.00	1/95
60	QPSK	2526.00	21.13	H	5.27	9.95	25.81	381.26	33.00	-7.19	1/81
		2592.99	19.31	H	5.34	9.91	23.89	244.66	33.00	-9.11	1/81
		2659.98	19.40	H	5.41	9.87	23.85	242.80	33.00	-9.15	1/81
	16-QAM	2526.00	20.29	H	5.27	9.95	24.97	314.21	33.00	-8.03	1/81
		2592.99	18.34	H	5.34	9.91	22.92	195.82	33.00	-10.08	1/81
		2659.98	18.47	H	5.41	9.87	22.92	195.99	33.00	-10.08	1/81
50	QPSK	2521.01	21.17	H	5.26	9.96	25.87	396.04	33.00	-7.13	1/67
		2592.99	19.74	H	5.34	9.91	24.32	270.13	33.00	-8.68	1/67
		2665.00	20.14	H	5.42	9.87	24.59	287.47	33.00	-8.41	1/67
	16-QAM	2521.01	20.38	H	5.26	9.96	25.08	322.21	33.00	-7.92	1/67
		2592.99	18.59	H	5.34	9.91	23.17	207.52	33.00	-9.83	1/67
		2665.00	19.24	H	5.42	9.87	23.69	233.77	33.00	-9.31	1/67
40	QPSK	2516.01	21.25	H	5.26	9.97	25.96	394.61	33.00	-7.04	1/53
		2592.99	19.57	H	5.34	9.91	24.15	259.76	33.00	-8.85	1/53
		2670.00	20.26	H	5.43	9.87	24.71	295.77	33.00	-8.29	1/53
	16-QAM	2516.01	20.26	H	5.26	9.97	24.97	313.73	33.00	-8.03	1/53
		2592.99	18.51	H	5.34	9.91	23.09	203.50	33.00	-9.91	1/53
		2670.00	19.37	H	5.43	9.87	23.82	240.97	33.00	-9.18	1/53
30	QPSK	2511.00	20.90	H	5.25	9.98	25.62	365.09	33.00	-7.38	1/39
		2592.99	19.80	H	5.34	9.91	24.38	273.88	33.00	-8.62	1/39
		2675.00	20.07	H	5.43	9.87	24.52	282.84	33.00	-8.48	1/39
	16-QAM	2511.00	20.02	H	5.25	9.98	24.75	298.33	33.00	-8.25	1/39
		2592.99	18.66	H	5.34	9.91	23.24	210.65	33.00	-9.76	1/39
		2675.00	19.01	H	5.43	9.87	23.46	221.63	33.00	-9.54	1/39
25	QPSK	2508.51	20.86	H	5.25	9.98	25.60	362.72	33.00	-7.40	1/32
		2592.99	19.69	H	5.34	9.91	24.26	266.85	33.00	-8.74	1/32
		2677.50	19.99	H	5.43	9.87	24.43	277.49	33.00	-8.57	1/32
	16-QAM	2508.51	20.10	H	5.25	9.98	24.84	304.77	33.00	-8.16	1/32
		2592.99	18.89	H	5.34	9.91	23.46	221.90	33.00	-9.54	1/32
		2677.50	19.02	H	5.43	9.87	23.46	221.95	33.00	-9.54	1/32
20	QPSK	2506.02	20.77	H	5.25	9.99	25.51	355.69	33.00	-7.49	1/26
		2592.99	19.74	H	5.34	9.91	24.32	270.13	33.00	-8.68	1/26
		2679.99	20.15	H	5.43	9.87	24.59	287.53	33.00	-8.41	1/26
	16-QAM	2506.02	19.88	H	5.25	9.99	24.62	289.71	33.00	-8.38	1/26
		2592.99	18.64	H	5.34	9.91	23.22	209.68	33.00	-9.78	1/26
		2679.99	19.25	H	5.43	9.87	23.69	233.72	33.00	-9.31	1/26
15	QPSK	2503.50	20.69	H	5.24	9.99	25.44	350.03	33.00	-7.56	1/19
		2592.99	19.66	H	5.34	9.91	24.24	265.19	33.00	-8.76	1/19
		2682.48	20.32	H	5.43	9.87	24.76	299.36	33.00	-8.24	1/19
	16-QAM	2503.50	19.88	H	5.24	9.99	24.63	290.27	33.00	-8.37	1/19
		2592.99	18.72	H	5.34	9.91	23.30	213.58	33.00	-9.70	1/19
		2682.48	19.42	H	5.43	9.87	23.86	243.05	33.00	-9.14	1/19
10	QPSK	2501.01	20.55	H	5.24	10.00	25.31	339.62	33.00	-7.69	1/12
		2592.99	19.58	H	5.34	9.91	24.16	260.35	33.00	-8.84	1/12
		2685.00	20.49	H	5.43	9.87	24.93	311.43	33.00	-8.07	1/12
	16-QAM	2501.01	19.73	H	5.24	10.00	24.49	281.19	33.00	-8.51	1/12
		2592.99	18.68	H	5.34	9.91	23.25	211.48	33.00	-9.75	1/12
		2685.00	19.53	H	5.43	9.87	23.97	249.67	33.00	-9.03	1/12

5G NR n41 (PC2, ANT F, SRS1)

BW (MHz)	f (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)
100	2546.01	17.39	H	5.29	9.91	22.01	158.97	33.00	-10.99
	2592.99	19.58	H	5.34	9.91	24.16	260.35	33.00	-8.84
	2640.00	17.60	H	5.39	9.88	22.08	161.45	33.00	-10.92

5G NR n41 (PC2, ANT D, SRS2)

BW (MHz)	f (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)
60	2526.00	10.27	H	5.26	9.96	14.97	31.39	33.00	-18.03
	2592.99	13.40	V	5.34	9.91	17.98	62.74	33.00	-15.02
	2659.98	11.23	H	5.42	9.87	15.68	36.95	33.00	-17.32

5G NR n41 (PC2, ANT E, SRS3)

BW (MHz)	f (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)
100	2546.01	3.75	V	5.29	9.91	8.37	6.87	33.00	-24.63
	2592.99	2.33	V	5.34	9.91	6.90	4.90	33.00	-26.10
	2640.00	2.17	V	5.39	9.88	6.65	4.63	33.00	-26.35

5G NR n41 (PC2, ANT F)

BW (MHz)	Modulation	f (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB
100	QPSK	2546.01	20.49	V	5.29	9.91	25.11	324.43	33.00	-7.89	1/1
		2592.99	21.35	V	5.34	9.91	25.93	391.36	33.00	-7.07	1/1
		2640.00	20.61	V	5.39	9.88	25.10	323.41	33.00	-7.90	1/1
	16-QAM	2546.01	19.36	V	5.29	9.91	23.98	250.10	33.00	-9.02	1/1
		2592.99	20.27	V	5.34	9.91	24.85	305.19	33.00	-8.15	1/1
		2640.00	19.47	V	5.39	9.88	23.96	248.74	33.00	-9.04	1/1
90	QPSK	2541.00	20.43	V	5.28	9.92	25.07	321.35	33.00	-7.93	1/1
		2592.99	21.30	V	5.34	9.91	25.88	386.88	33.00	-7.12	1/1
		2644.98	20.60	V	5.40	9.87	25.08	322.11	33.00	-7.92	1/1
	16-QAM	2541.00	19.41	V	5.28	9.92	24.05	254.08	33.00	-8.95	1/1
		2592.99	20.12	V	5.34	9.91	24.70	294.83	33.00	-8.30	1/1
		2644.98	19.27	V	5.40	9.87	23.75	237.14	33.00	-9.25	1/1
80	QPSK	2536.02	20.59	V	5.28	9.93	25.24	334.23	33.00	-7.76	1/1
		2592.99	19.90	V	5.34	9.91	24.48	280.27	33.00	-8.52	1/215
		2649.99	20.39	V	5.41	9.87	24.85	305.60	33.00	-8.15	1/1
	16-QAM	2536.02	19.51	V	5.28	9.93	24.16	260.64	33.00	-8.84	1/1
		2592.99	18.98	V	5.34	9.91	23.56	226.76	33.00	-9.44	1/215
		2649.99	19.18	V	5.41	9.87	23.64	231.28	33.00	-9.36	1/1
70	QPSK	2531.02	20.23	V	5.28	9.94	24.90	308.94	33.00	-8.10	1/1
		2593.99	19.62	V	5.34	9.91	24.20	262.77	33.00	-8.80	1/1
		2654.98	20.11	V	5.41	9.87	24.57	286.53	33.00	-8.43	1/1
	16-QAM	2531.02	19.24	V	5.28	9.94	23.91	245.97	33.00	-9.09	1/1
		2593.99	18.78	V	5.34	9.91	23.36	216.56	33.00	-9.64	1/1
		2654.98	19.20	V	5.41	9.87	23.66	232.37	33.00	-9.34	1/1
60	QPSK	2526.00	20.25	V	5.27	9.95	24.93	311.44	33.00	-8.07	1/160
		2592.99	20.06	V	5.34	9.91	24.64	290.79	33.00	-8.36	1/160
		2659.98	19.83	V	5.41	9.87	24.29	268.53	33.00	-8.71	1/1
	16-QAM	2526.00	19.41	V	5.27	9.95	24.09	256.67	33.00	-8.91	1/160
		2592.99	18.90	V	5.34	9.91	23.48	222.62	33.00	-9.52	1/160
		2659.98	18.62	V	5.41	9.87	23.08	203.23	33.00	-9.92	1/1
50	QPSK	2521.01	20.27	V	5.26	9.96	24.97	314.09	33.00	-8.03	1/131
		2592.99	18.79	V	5.34	9.91	23.37	217.06	33.00	-9.63	1/131
		2665.00	19.55	V	5.42	9.87	24.00	251.22	33.00	-9.00	1/131
	16-QAM	2521.01	19.28	V	5.26	9.96	23.98	250.07	33.00	-9.02	1/131
		2592.99	17.94	V	5.34	9.91	22.52	178.47	33.00	-10.48	1/131
		2665.00	18.54	V	5.42	9.87	22.99	199.09	33.00	-10.01	1/131
40	QPSK	2516.01	19.96	V	5.26	9.97	24.67	293.27	33.00	-8.33	1/1
		2592.99	20.10	V	5.34	9.91	24.68	293.48	33.00	-8.32	1/53
		2670.00	19.26	V	5.43	9.87	23.71	234.75	33.00	-9.29	1/53
	16-QAM	2516.01	19.07	V	5.26	9.97	23.78	238.93	33.00	-9.22	1/1
		2592.99	19.02	V	5.34	9.91	23.60	228.86	33.00	-9.40	1/53
		2670.00	18.38	V	5.43	9.87	22.83	191.69	33.00	-10.17	1/53
30	QPSK	2511.00	19.99	V	5.25	9.98	24.72	296.49	33.00	-8.28	1/1
		2592.99	19.17	V	5.34	9.91	23.75	236.90	33.00	-9.25	1/76
		2675.00	19.71	V	5.43	9.87	24.16	260.59	33.00	-8.84	1/1
	16-QAM	2511.00	18.98	V	5.25	9.98	23.71	234.97	33.00	-9.29	1/1
		2592.99	18.37	V	5.34	9.91	22.95	197.05	33.00	-10.05	1/76
		2675.00	18.60	V	5.43	9.87	23.05	201.82	33.00	-9.95	1/1
25	QPSK	2508.51	20.23	V	5.25	9.98	24.97	314.39	33.00	-8.03	1/32
		2592.99	21.09	V	5.34	9.91	25.67	368.62	33.00	-7.33	1/32
		2677.50	19.92	V	5.43	9.87	24.36	272.76	33.00	-8.64	1/32
	16-QAM	2508.51	19.12	V	5.25	9.98	23.86	243.48	33.00	-9.14	1/32
		2592.99	19.99	V	5.34	9.91	24.57	286.14	33.00	-8.43	1/32
		2677.50	18.79	V	5.43	9.87	23.23	210.28	33.00	-9.77	1/32
20	QPSK	2506.02	20.45	V	5.25	9.99	25.19	330.33	33.00	-7.81	1/1
		2592.99	19.86	V	5.34	9.91	24.44	277.70	33.00	-8.56	1/49
		2679.99	19.83	V	5.43	9.87	24.27	267.54	33.00	-8.73	1/1
	16-QAM	2506.02	19.38	V	5.25	9.99	24.12	258.19	33.00	-8.88	1/1
		2592.99	18.98	V	5.34	9.91	23.56	226.76	33.00	-9.44	1/49
		2679.99	18.82	V	5.43	9.87	23.26	212.02	33.00	-9.74	1/1
15	QPSK	2503.50	20.30	V	5.24	9.99	25.05	319.82	33.00	-7.95	1/1
		2592.99	20.00	V	5.34	9.91	24.58	286.80	33.00	-8.42	1/19
		2682.48	19.71	V	5.43	9.87	24.15	259.79	33.00	-8.85	1/1
	16-QAM	2503.50	19.53	V	5.24	9.99	24.28	267.86	33.00	-8.72	1/1
		2592.99	19.06	V	5.34	9.91	23.64	230.98	33.00	-9.36	1/19
		2682.48	18.82	V	5.43	9.87	23.26	211.65	33.00	-9.74	1/1
10	QPSK	2501.01	20.51	V	5.24	10.00	25.27	336.24	33.00	-7.73	1/22
		2592.99	20.20	V	5.34	9.91	24.78	300.31	33.00	-8.22	1/1
		2685.00	20.01	V	5.43	9.87	24.45	278.67	33.00	-8.55	1/22
	16-QAM	2501.01	19.29	V	5.24	10.00	24.05	253.89	33.00	-8.95	1/22
		2592.99	19.24	V	5.34	9.91	23.82	240.75	33.00	-9.18	1/1
		2685.00	18.80	V	5.43	9.87	23.24	210.90	33.00	-9.76	1/22

5G NR n41(PC2, ANT B, SRS1)

BW (MHz)	f (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)
100	2546.01	17.15	H	5.29	9.91	21.78	150.53	33.00	-11.22
	2592.99	17.58	H	5.34	9.91	22.16	164.27	33.00	-10.84
	2640.00	17.03	H	5.39	9.88	21.51	141.59	33.00	-11.49

5G NR n41(PC2, ANT E, SRS2)

BW (MHz)	f (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)
100	2546.01	9.37	V	5.29	9.91	13.99	25.07	33.00	-19.01
	2592.99	9.07	V	5.34	9.91	13.65	23.17	33.00	-19.35
	2640.00	9.83	V	5.39	9.88	14.32	27.02	33.00	-18.68

5G NR n41(PC2, ANT D, SRS3)

BW (MHz)	f (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)
100	2546.01	7.39	V	5.29	9.91	12.01	15.89	33.00	-20.99
	2592.99	9.68	V	5.34	9.91	14.26	26.64	33.00	-18.74
	2640.00	9.07	V	5.39	9.88	13.56	22.69	33.00	-19.44

5G NR n66 (ANT A)

BW (MHz)	Modulation	f (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB
40	QPSK	1730.00	18.10	H	4.33	9.59	23.37	217.19	30.00	-6.63	1/214
		1745.00	19.55	H	4.35	9.66	24.86	306.45	30.00	-5.14	1/1
		1760.00	17.66	H	4.37	9.68	22.97	198.33	30.00	-7.03	1/214
	16-QAM	1730.00	17.54	H	4.33	9.59	22.81	190.92	30.00	-7.19	1/214
		1745.00	19.74	H	4.35	9.66	24.05	254.31	30.00	-5.95	1/1
		1760.00	16.72	H	4.37	9.68	22.03	159.73	30.00	-7.97	1/214
35	QPSK	1727.50	18.96	H	4.33	9.58	24.21	263.91	30.00	-5.79	1/93
		1745.00	19.37	H	4.35	9.66	24.68	294.01	30.00	-5.32	1/93
		1762.50	18.92	H	4.37	9.68	24.23	264.99	30.00	-5.77	1/93
	16-QAM	1727.50	17.75	H	4.33	9.58	23.00	199.73	30.00	-7.00	1/93
		1745.00	19.32	H	4.35	9.66	23.63	230.87	30.00	-6.37	1/93
		1762.50	17.39	H	4.37	9.68	22.70	186.31	30.00	-7.30	1/93
30	QPSK	1725.00	18.57	H	4.32	9.57	23.82	240.96	30.00	-6.18	1/80
		1745.00	18.18	H	4.35	9.66	23.49	223.54	30.00	-6.51	1/158
		1765.00	17.76	H	4.37	9.68	23.07	202.86	30.00	-6.93	1/158
	16-QAM	1725.00	17.52	H	4.32	9.57	22.77	189.21	30.00	-7.23	1/80
		1745.00	17.73	H	4.35	9.66	23.04	201.54	30.00	-6.96	1/158
		1765.00	17.08	H	4.37	9.68	22.39	173.46	30.00	-7.61	1/158
25	QPSK	1722.50	18.72	H	4.32	9.56	23.96	248.80	30.00	-6.04	1/1
		1745.00	19.02	H	4.35	9.66	24.33	271.25	30.00	-5.67	1/67
		1767.50	17.37	H	4.38	9.68	22.68	185.35	30.00	-7.32	1/131
	16-QAM	1722.50	17.83	H	4.32	9.56	23.07	202.70	30.00	-6.93	1/1
		1745.00	17.97	H	4.35	9.66	23.28	212.99	30.00	-6.72	1/67
		1767.50	15.80	H	4.38	9.68	21.11	129.03	30.00	-8.89	1/131
20	QPSK	1720.00	18.83	H	4.32	9.55	24.06	254.51	30.00	-5.94	1/1
		1745.00	19.26	H	4.35	9.66	24.57	286.66	30.00	-5.43	1/104
		1770.00	17.70	H	4.38	9.68	23.01	199.88	30.00	-6.99	1/104
	16-QAM	1720.00	17.88	H	4.32	9.55	23.11	204.50	30.00	-6.89	1/1
		1745.00	17.90	H	4.35	9.66	23.21	209.59	30.00	-6.79	1/104
		1770.00	16.63	H	4.38	9.68	21.94	156.23	30.00	-8.06	1/104
15	QPSK	1717.50	18.65	H	4.31	9.53	23.87	243.91	30.00	-6.13	1/1
		1745.00	18.90	H	4.35	9.66	24.21	263.85	30.00	-5.79	1/1
		1772.50	17.06	H	4.38	9.68	22.36	172.06	30.00	-7.64	1/77
	16-QAM	1717.50	17.96	H	4.31	9.53	23.18	208.08	30.00	-6.82	1/1
		1745.00	18.23	H	4.35	9.66	23.54	226.13	30.00	-6.46	1/1
		1772.50	15.89	H	4.38	9.68	21.19	131.42	30.00	-8.81	1/77
10	QPSK	1715.00	18.69	H	4.31	9.52	23.90	245.68	30.00	-6.10	1/1
		1745.00	19.21	H	4.35	9.66	24.52	283.38	30.00	-5.48	1/1
		1775.00	18.13	H	4.38	9.68	23.43	220.18	30.00	-6.57	1/26
	16-QAM	1715.00	17.53	H	4.31	9.52	22.74	188.09	30.00	-7.26	1/1
		1745.00	18.10	H	4.35	9.66	23.41	219.46	30.00	-6.59	1/1
		1775.00	17.44	H	4.38	9.68	22.74	187.83	30.00	-7.26	1/26
5	QPSK	1712.50	18.59	H	4.31	9.51	23.80	239.80	30.00	-6.20	1/1
		1745.00	18.86	H	4.35	9.66	24.17	261.44	30.00	-5.83	1/1
		1777.50	17.55	H	4.39	9.68	22.85	192.55	30.00	-7.15	1/23
	16-QAM	1712.50	17.43	H	4.31	9.51	22.64	183.59	30.00	-7.36	1/1
		1745.00	18.19	H	4.35	9.66	23.50	224.06	30.00	-6.50	1/1
		1777.50	16.65	H	4.39	9.68	21.95	156.51	30.00	-8.05	1/23

5G NR n66 (ANT F)

BW (MHz)	Modulation	f (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB
40	QPSK	1730.00	16.04	H	4.33	9.59	21.31	135.16	30.00	-8.69	1/108
		1745.00	16.00	H	4.35	9.66	21.31	135.32	30.00	-8.69	1/214
		1760.00	15.43	H	4.37	9.68	20.74	118.68	30.00	-9.26	1/108
	16-QAM	1730.00	15.52	H	4.33	9.59	20.79	119.91	30.00	-9.21	1/108
		1745.00	14.83	H	4.35	9.66	20.14	103.36	30.00	-9.86	1/214
		1760.00	14.68	H	4.37	9.68	19.99	99.86	30.00	-10.01	1/108
35	QPSK	1727.50	15.58	H	4.33	9.58	20.83	121.19	30.00	-9.17	1/93
		1745.00	16.91	H	4.35	9.66	22.22	166.86	30.00	-7.78	1/93
		1762.50	16.23	H	4.37	9.68	21.54	142.64	30.00	-8.46	1/93
	16-QAM	1727.50	14.81	H	4.33	9.58	20.06	101.50	30.00	-9.94	1/93
		1745.00	15.73	H	4.35	9.66	21.04	127.16	30.00	-9.36	1/93
		1762.50	15.33	H	4.37	9.68	20.64	115.94	30.00	-9.36	1/93
30	QPSK	1725.00	15.94	H	4.32	9.57	21.19	131.51	30.00	-8.81	1/80
		1745.00	16.39	H	4.35	9.66	21.70	148.04	30.00	-8.30	1/158
		1765.00	16.85	H	4.37	9.68	22.16	164.51	30.00	-7.84	1/1
	16-QAM	1725.00	15.08	H	4.32	9.57	20.33	107.88	30.00	-9.67	1/80
		1745.00	15.34	H	4.35	9.66	20.65	116.24	30.00	-9.35	1/158
		1765.00	15.62	H	4.37	9.68	20.93	123.94	30.00	-9.07	1/1
25	QPSK	1722.50	16.69	H	4.32	9.56	21.93	155.90	30.00	-8.07	1/67
		1745.00	16.04	H	4.35	9.66	21.35	136.57	30.00	-8.65	1/131
		1767.50	16.29	H	4.38	9.68	21.60	144.54	30.00	-8.40	1/67
	16-QAM	1722.50	15.60	H	4.32	9.56	20.84	121.30	30.00	-9.16	1/67
		1745.00	15.29	H	4.35	9.66	20.60	114.81	30.00	-9.40	1/131
		1767.50	15.29	H	4.38	9.68	20.60	114.81	30.00	-9.40	1/67
20	QPSK	1720.00	16.53	H	4.32	9.55	21.76	149.87	30.00	-8.24	1/104
		1745.00	16.59	H	4.35	9.66	21.90	155.01	30.00	-8.10	1/1
		1770.00	16.18	H	4.38	9.68	21.49	140.86	30.00	-8.51	1/53
	16-QAM	1720.00	15.20	H	4.32	9.55	20.43	110.33	30.00	-9.57	1/104
		1745.00	15.44	H	4.35	9.66	20.75	118.95	30.00	-9.25	1/1
		1770.00	15.08	H	4.38	9.68	20.39	109.34	30.00	-9.61	1/53
15	QPSK	1717.50	16.27	H	4.31	9.53	21.49	141.00	30.00	-8.51	1/40
		1745.00	16.83	H	4.35	9.66	22.14	163.82	30.00	-7.86	1/1
		1772.50	16.23	H	4.38	9.68	21.53	142.12	30.00	-8.47	1/1
	16-QAM	1717.50	15.51	H	4.31	9.53	20.73	118.36	30.00	-9.27	1/40
		1745.00	15.70	H	4.35	9.66	21.01	126.29	30.00	-8.99	1/1
		1772.50	15.68	H	4.38	9.68	20.98	125.22	30.00	-9.02	1/1
10	QPSK	1715.00	16.91	H	4.31	9.52	22.12	163.07	30.00	-7.88	1/26
		1745.00	16.52	H	4.35	9.66	21.83	152.53	30.00	-8.17	1/26
		1775.00	15.98	H	4.38	9.68	21.28	134.21	30.00	-8.72	1/26
	16-QAM	1715.00	15.47	H	4.31	9.52	20.68	117.05	30.00	-9.32	1/26
		1745.00	15.67	H	4.35	9.66	20.98	125.36	30.00	-9.02	1/26
		1775.00	15.23	H	4.38	9.68	20.53	112.92	30.00	-9.47	1/26
5	QPSK	1712.50	16.60	H	4.31	9.51	21.81	151.65	30.00	-8.19	1/13
		1745.00	16.49	H	4.35	9.66	21.80	151.48	30.00	-8.20	1/13
		1777.50	16.06	H	4.39	9.68	21.36	136.63	30.00	-8.64	1/13
	16-QAM	1712.50	15.61	H	4.31	9.51	20.82	120.74	30.00	-9.18	1/13
		1745.00	15.49	H	4.35	9.66	20.80	120.33	30.00	-9.20	1/13
		1777.50	14.94	H	4.39	9.68	20.24	105.57	30.00	-9.76	1/13