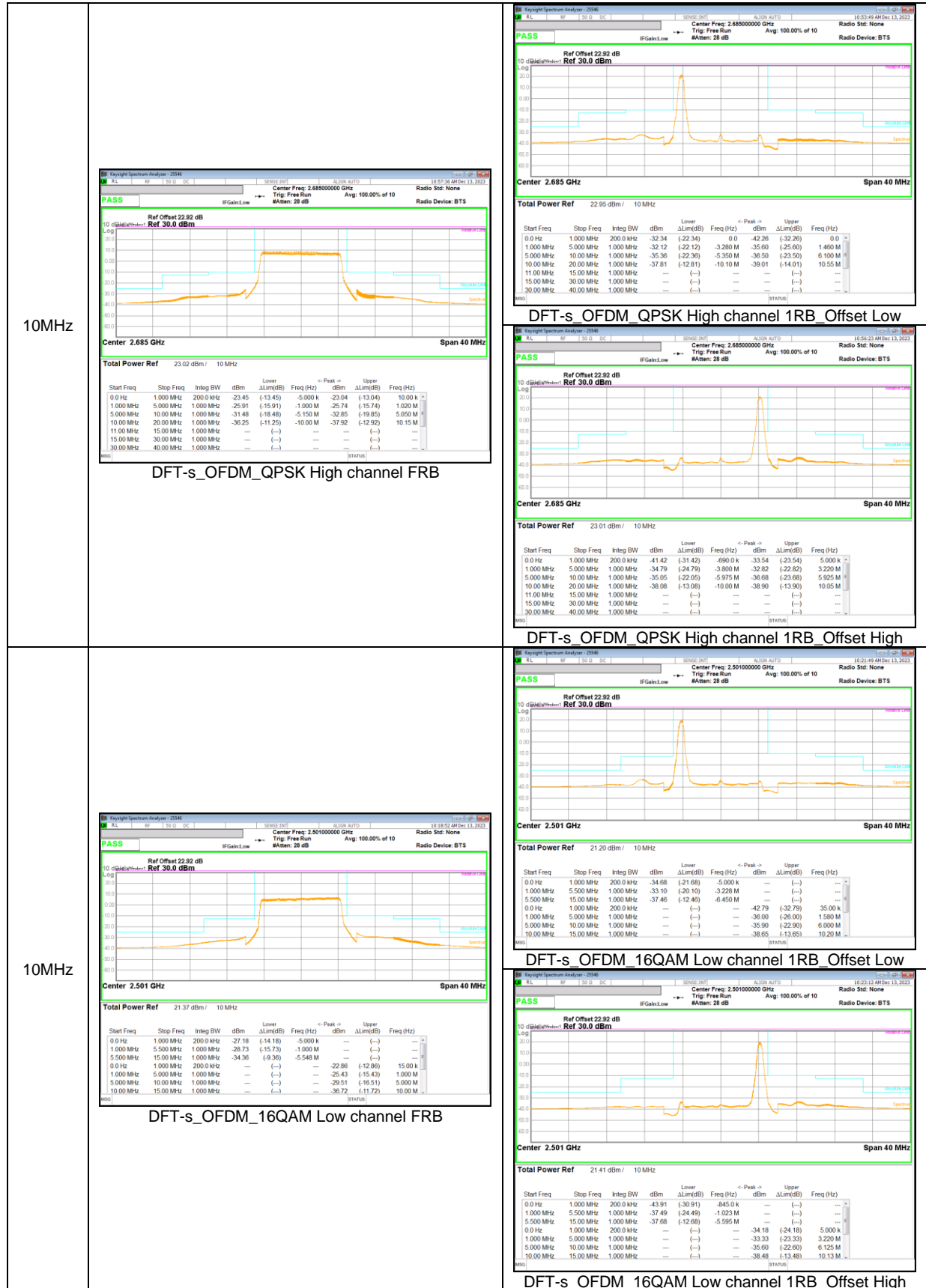
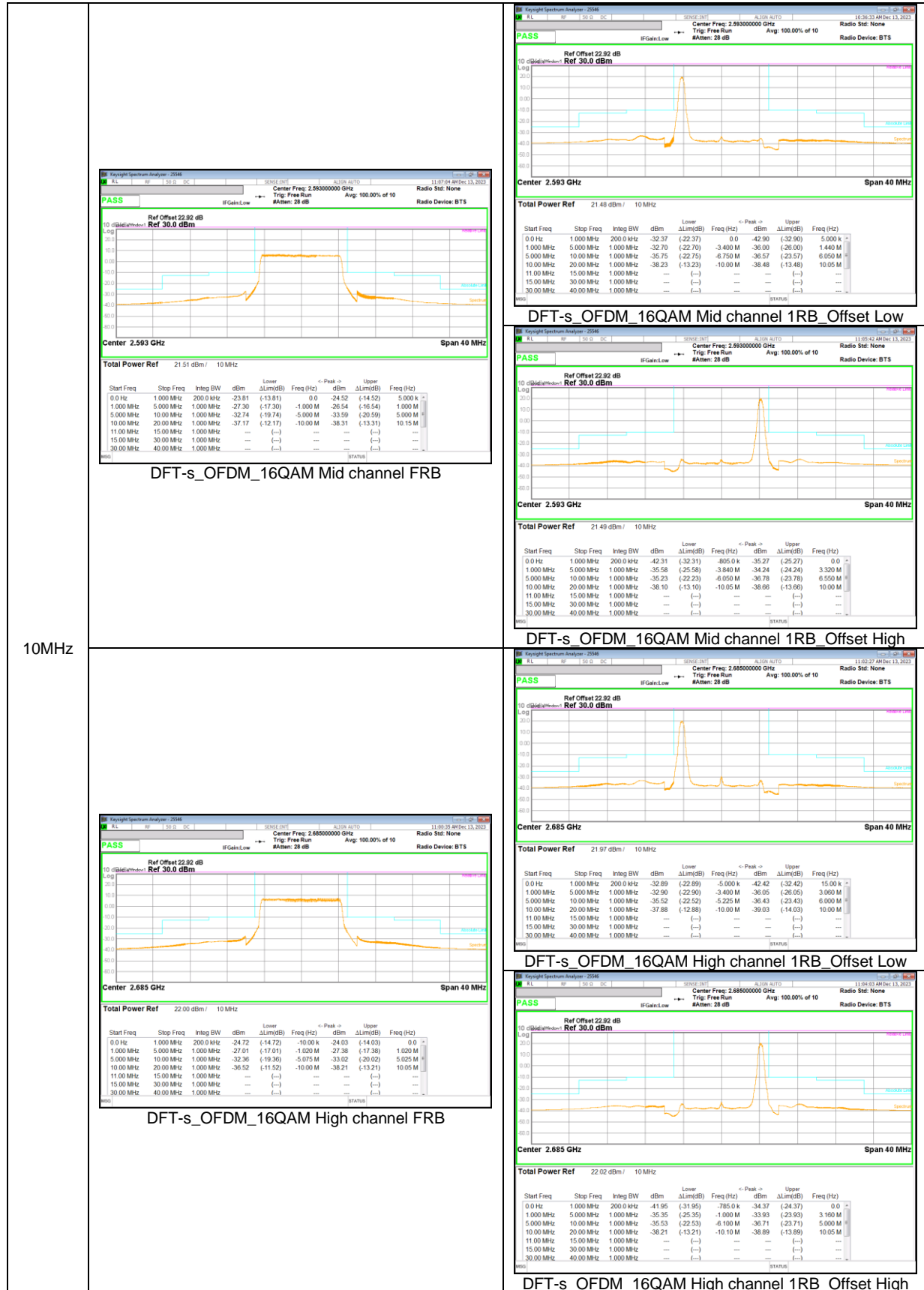


15MHz







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.

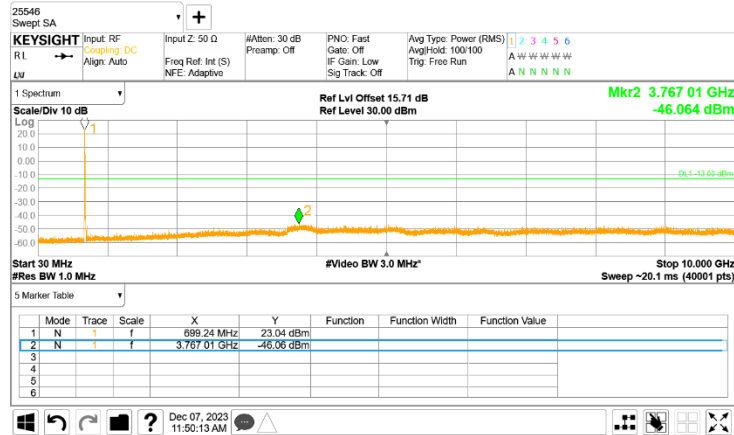
8.5.1. OUT OF BAND EMISSIONS RESULTS

WCDMA Band 4

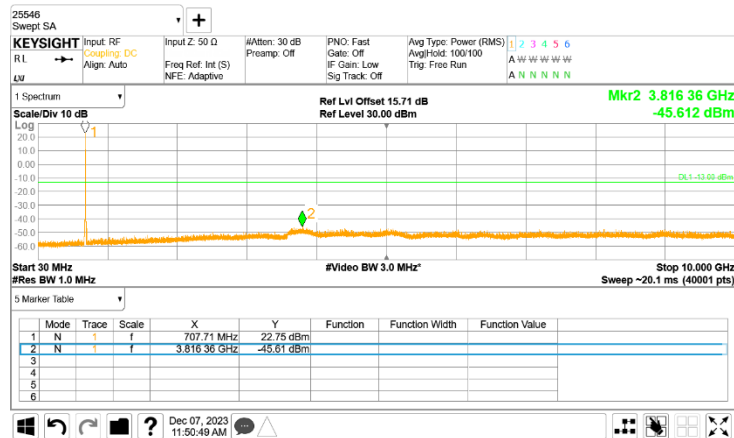


LTE Band 12

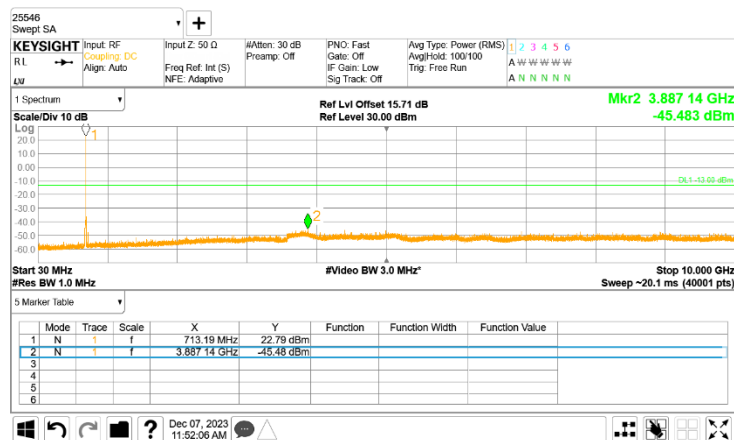
3MHz QPSK



Low channel



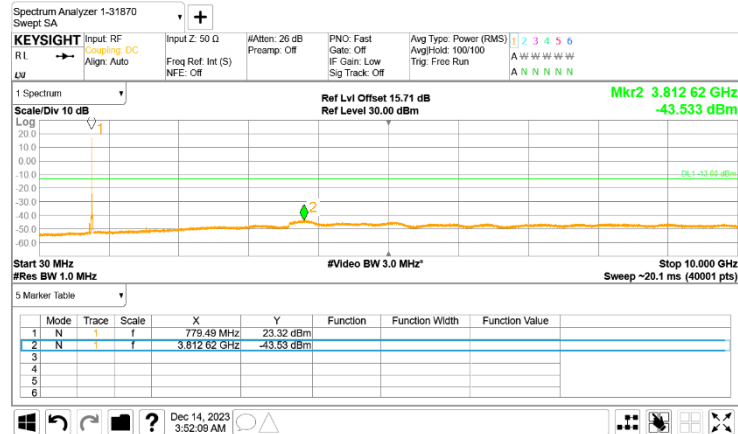
Mid channel



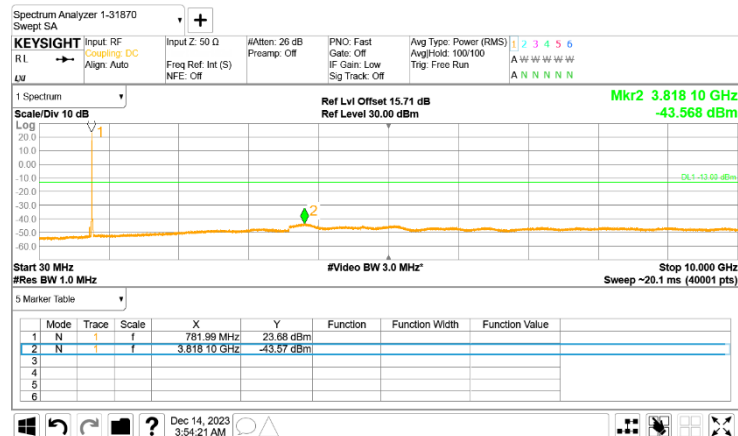
High channel

LTE Band 13

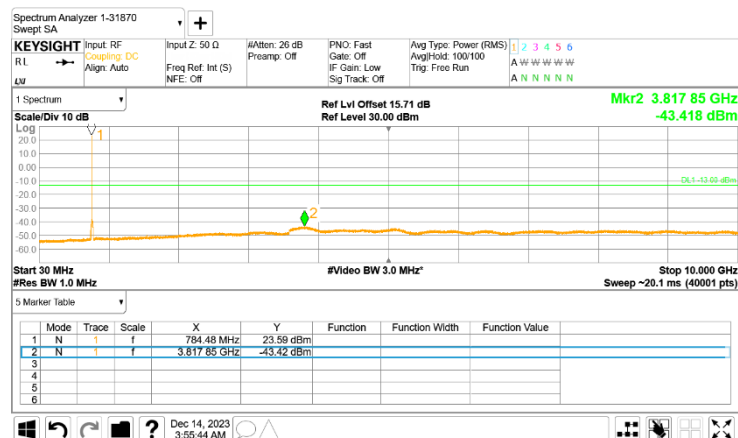
5MHz QPSK



Low channel



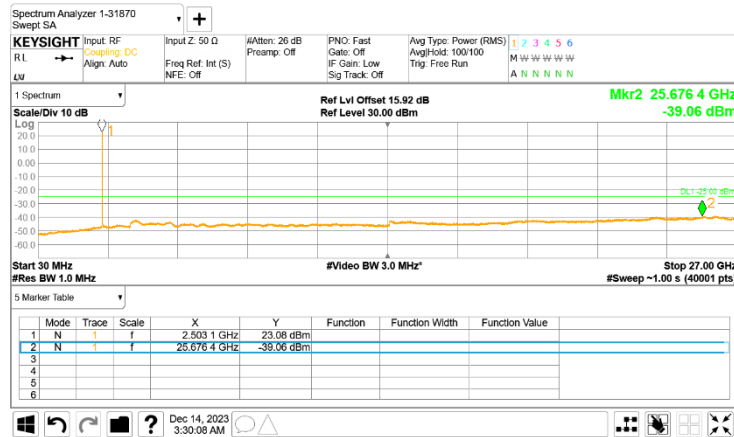
Mid channel



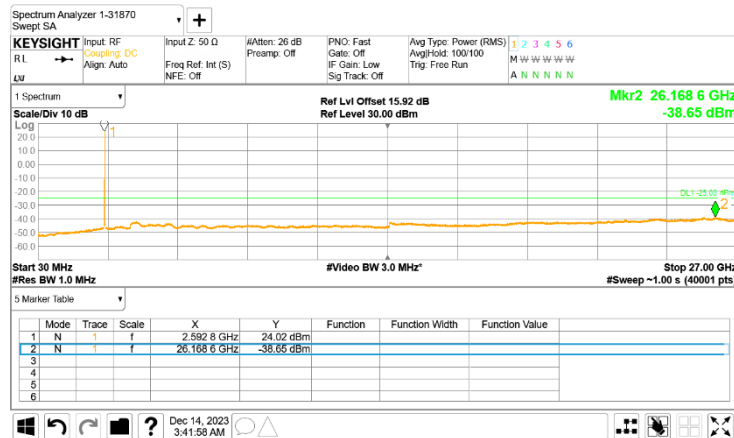
High channel

LTE Band 41

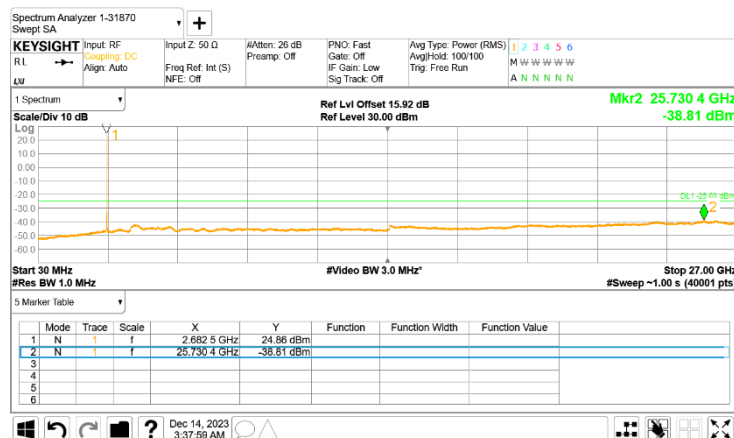
15MHz QPSK



Low channel



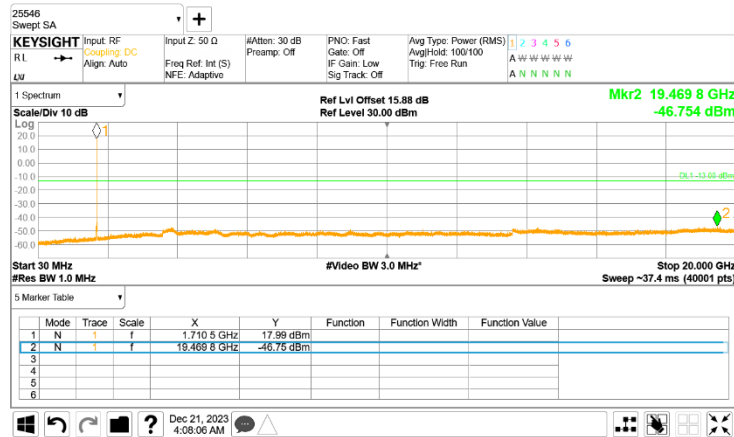
Mid channel



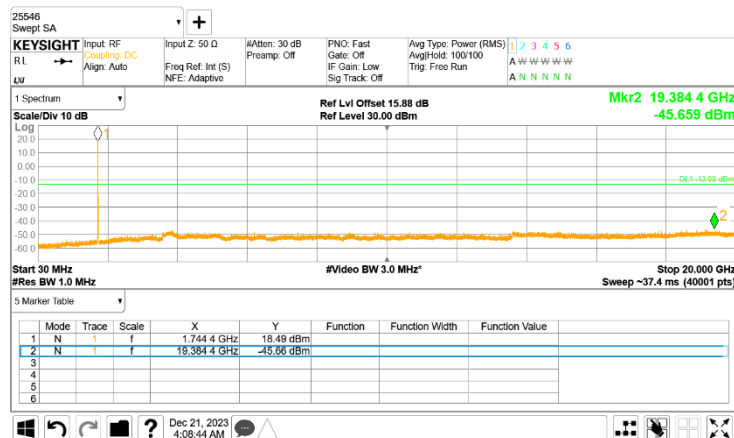
High channel

LTE Band 66

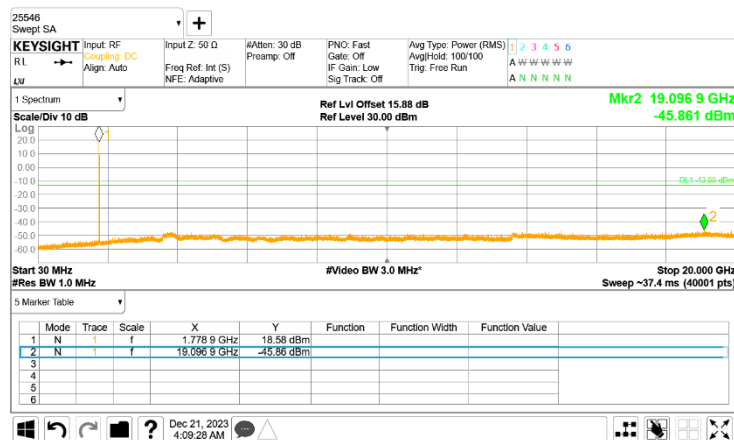
1.4 MHz QPSK



Low channel



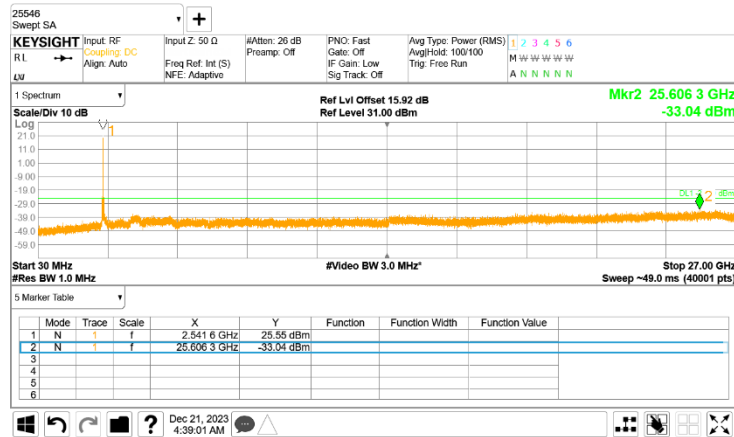
Mid channel



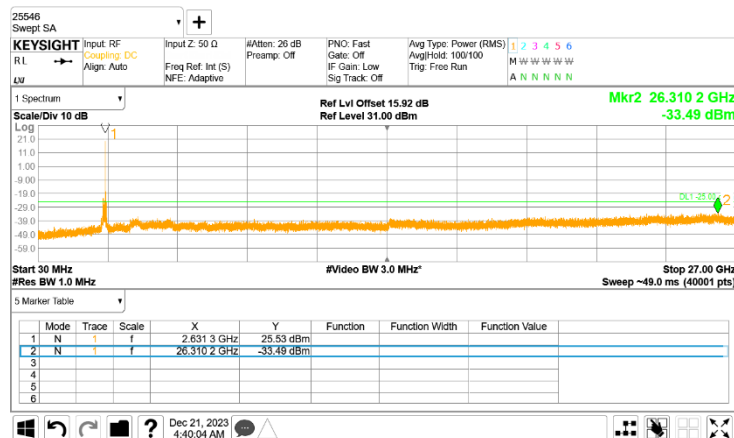
High channel

NR Band n41

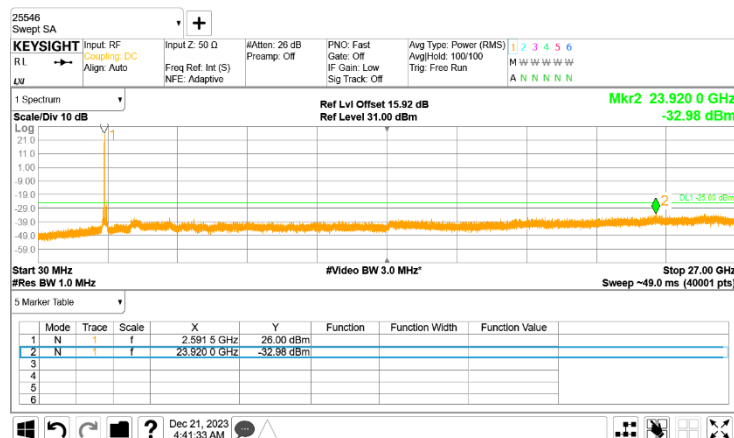
90MHz QPSK DFT-s_OFDM



Low channel



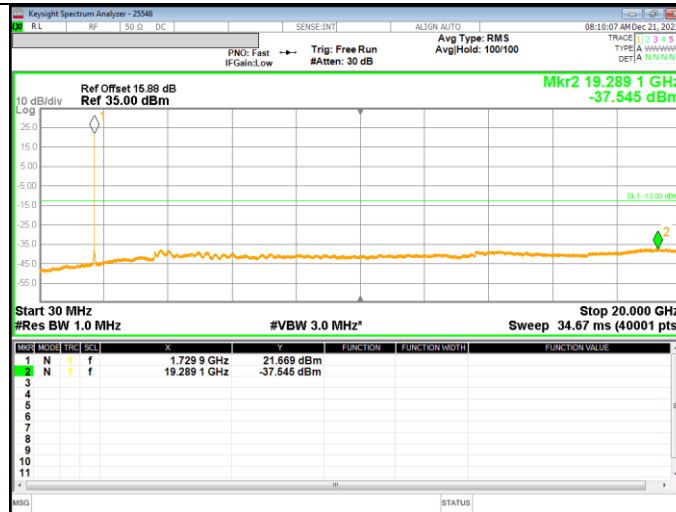
Mid channel



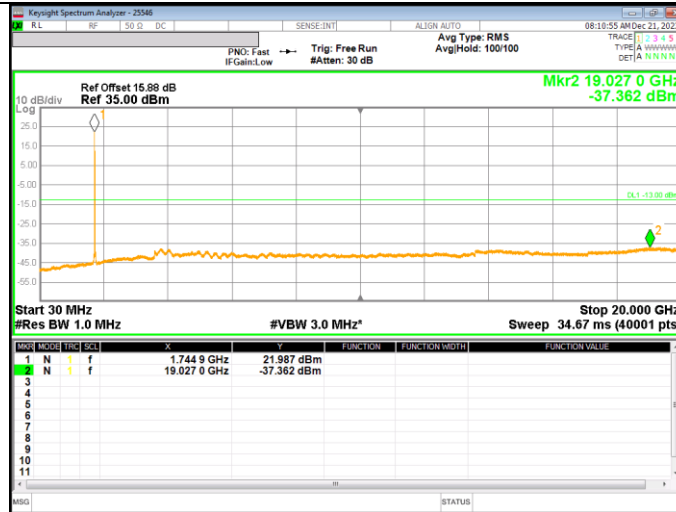
High channel

NR Band n66

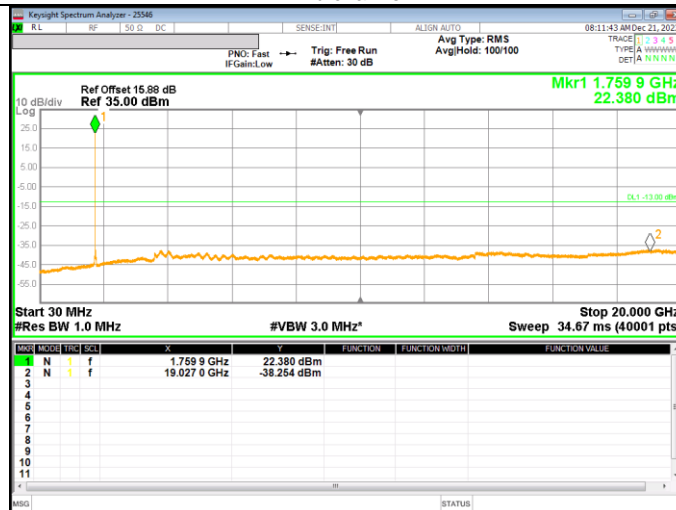
40MHz QPSK DFT-s_OFDM



Low channel

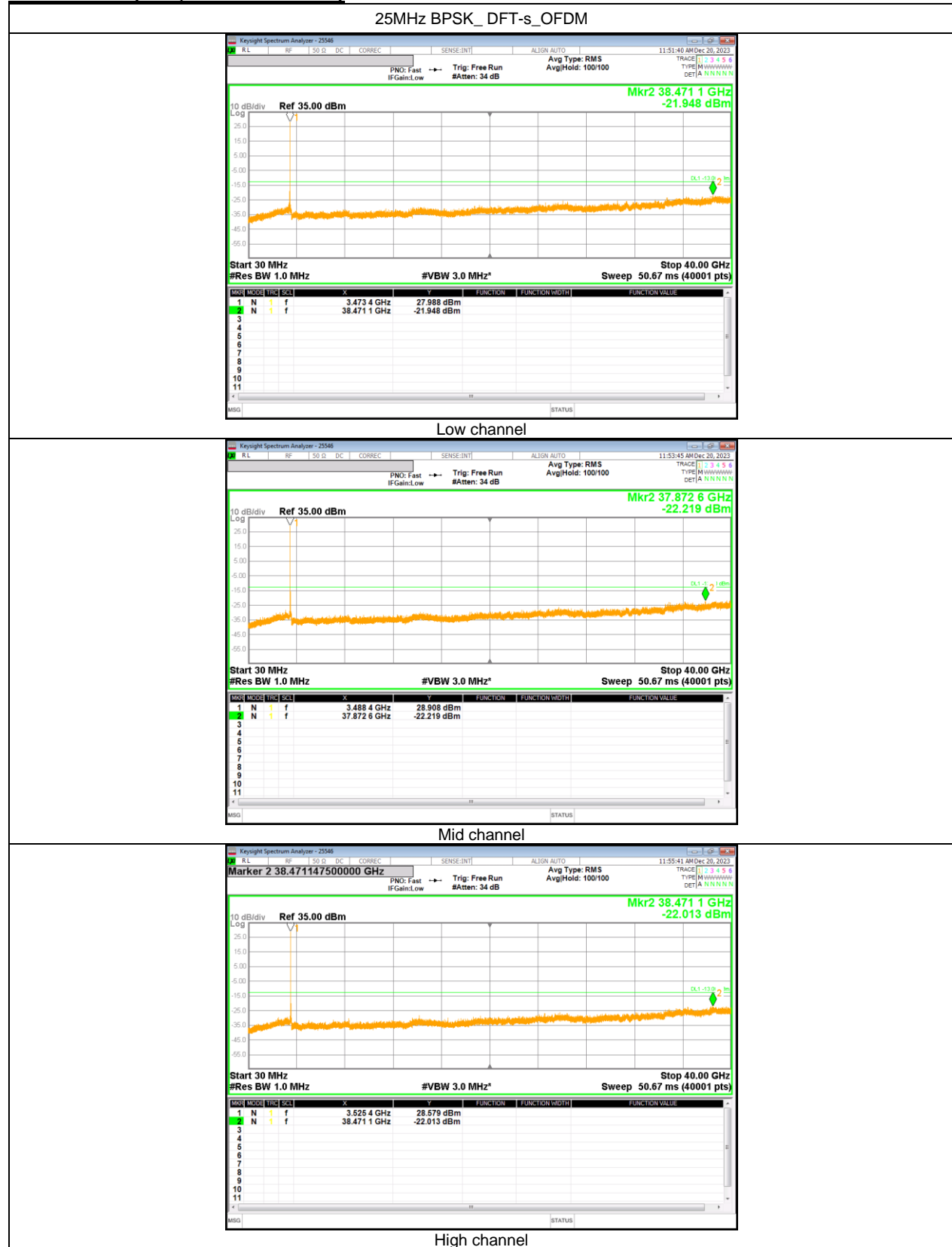


Mid channel



High channel

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

Part 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

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)

RESULTS

See the following pages.

8.6.1. FREQUENCY STABILITY RESULTS

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

Test Date	2023-12-05
Test Engineer	25546

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	1710.3159	1754.6887		
Extreme (50C)		1710.3159	1754.6887	11.2	0.006
Extreme (40C)		1710.3159	1754.6887	13.1	0.008
Extreme (30C)		1710.3159	1754.6887	11.1	0.006
Extreme (10C)		1710.3159	1754.6887	13.8	0.008
Extreme (0C)		1710.3159	1754.6887	21.0	0.012
Extreme (-10C)		1710.3159	1754.6887	24.1	0.014
Extreme (-20C)		1710.3159	1754.6887	23.7	0.014
Extreme (-30C)		1710.3159	1754.6887	20.3	0.012
20C		15%	1710.3159	1754.6887	6.3
	-15%	1710.3159	1754.6887	8.2	0.005
	End Point	1710.3159	1754.6887	5.4	0.003

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

Test Date	2023-12-07
Test Engineer	25546

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	699.1548	715.8446		
Extreme (50C)		699.1548	715.8446	16.3	0.023
Extreme (40C)		699.1548	715.8446	4.1	0.006
Extreme (30C)		699.1548	715.8446	4.3	0.006
Extreme (10C)		699.1548	715.8446	4.9	0.007
Extreme (0C)		699.1548	715.8446	15.4	0.022
Extreme (-10C)		699.1548	715.8446	42.9	0.061
Extreme (-20C)		699.1548	715.8446	9.4	0.013
Extreme (-30C)		699.1548	715.8447	53.9	0.076
20C		15%	699.1548	715.8446	24.6
	-15%	699.1548	715.8446	24.4	0.034
	End Point	699.1548	715.8446	25.0	0.035

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

Test Date	2023-12-07
Test Engineer	25546

Limit		777	787	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW (MHz)	F high @ End of OBW (MHz)		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	777.2421	786.7502	19.2	0.025
Extreme (50C)		777.2421	786.7502		
Extreme (40C)		777.2421	786.7502		
Extreme (30C)		777.2421	786.7502		
Extreme (10C)		777.2421	786.7502		
Extreme (0C)		777.2421	786.7502		
Extreme (-10C)		777.2421	786.7502		
Extreme (-20C)		777.2421	786.7502		
Extreme (-30C)		777.2421	786.7502		
20C		15%	777.2421		
	-15%	777.2421	786.7502	4.9	0.006
	End Point	777.2421	786.7502	4.5	0.006

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

Test Date	2023-12-11
Test Engineer	25546

Limit		2496	2690	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW (MHz)	F high @ End of OBW (MHz)		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	2496.2523	2689.7502	16.9	0.007
Extreme (50C)		2496.2523	2689.7502		
Extreme (40C)		2496.2523	2689.7502		
Extreme (30C)		2496.2523	2689.7502		
Extreme (10C)		2496.2523	2689.7502		
Extreme (0C)		2496.2523	2689.7502		
Extreme (-10C)		2496.2523	2689.7502		
Extreme (-20C)		2496.2523	2689.7502		
Extreme (-30C)		2496.2523	2689.7502		
20C		15%	2496.2523		
	-15%	2496.2523	2689.7502	17.9	0.007
	End Point	2496.2523	2689.7502	14.7	0.006

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

Test Date	2023-12-11
Test Engineer	25546

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	1710.1561	1779.8443	15.4	0.009
Extreme (50C)		1710.1561	1779.8443		
Extreme (40C)		1710.1561	1779.8443		
Extreme (30C)		1710.1561	1779.8443		
Extreme (10C)		1710.1561	1779.8443		
Extreme (0C)		1710.1561	1779.8443		
Extreme (-10C)		1710.1561	1779.8443		
Extreme (-20C)		1710.1561	1779.8443		
Extreme (-30C)		1710.1561	1779.8443		
20C		15%	1710.1561		
	-15%	1710.1561	1779.8443	7.6	0.004
	End Point	1710.1561	1779.8443	9.3	0.005

NR Band n41 (Lowest Frequency: QPSK / Highest Frequency: 16QAM)

Test Date	2023-12-13
Test Engineer	25546

Normal (20C)		2496	2690	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW (MHz)	F high @ End of OBW (MHz)		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	2496.7047	2689.3262	13.7	0.005
Extreme (50C)		2496.7047	2689.3262		
Extreme (40C)		2496.7047	2689.3262		
Extreme (30C)		2496.7047	2689.3262		
Extreme (10C)		2496.7047	2689.3262		
Extreme (0C)		2496.7047	2689.3262		
Extreme (-10C)		2496.7047	2689.3262		
Extreme (-20C)		2496.7047	2689.3262		
Extreme (-30C)		2496.7047	2689.3262		
20C		15%	2496.7047		
	-15%	2496.7047	2689.3262	13.3	0.005
	End Point	2496.7047	2689.3262	11.9	0.005

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

Test Date	2023-12-13
Test Engineer	25546

Limit		1710	1780	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW (MHz)	F high @ End of OBW (MHz)		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	1710.2582	1779.7483	7.1	0.004
Extreme (50C)		1710.2582	1779.7483		
Extreme (40C)		1710.2582	1779.7483		
Extreme (30C)		1710.2582	1779.7483		
Extreme (10C)		1710.2582	1779.7483		
Extreme (0C)		1710.2582	1779.7483		
Extreme (-10C)		1710.2582	1779.7483		
Extreme (-20C)		1710.2582	1779.7483		
Extreme (-30C)		1710.2582	1779.7483		
20C		15%	1710.2582		
	-15%	1710.2582	1779.7483	5.3	0.003
	End Point	1710.2582	1779.7483	5.4	0.003

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

Test Date	2023-12-14
Test Engineer	25546

Limit		3450	3550	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW (MHz)	F high @ End of OBW (MHz)		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	3450.6987	3549.2866	8.4	0.002
Extreme (50C)		3450.6987	3549.2866		
Extreme (40C)		3450.6987	3549.2866		
Extreme (30C)		3450.6987	3549.2866		
Extreme (10C)		3450.6987	3549.2866		
Extreme (0C)		3450.6987	3549.2866		
Extreme (-10C)		3450.6987	3549.2866		
Extreme (-20C)		3450.6987	3549.2866		
Extreme (-30C)		3450.6987	3549.2866		
20C		15%	3450.6987		
	-15%	3450.6987	3549.2866	7.9	0.002
	End Point	3450.6987	3549.2866	9.2	0.003

NR Band n77(PC2) 3700 – 3980 MHz (Lowest Frequency: 16QAM / Highest Frequency: 16QAM)

Test Date	2023-12-14
Test Engineer	25546

Limit		3700	3980	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW (MHz)	F high @ End of OBW (MHz)		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	3700.6915	3979.3145	13.3	0.003
Extreme (50C)		3700.6915	3979.3145		
Extreme (40C)		3700.6915	3979.3145		
Extreme (30C)		3700.6915	3979.3145		
Extreme (10C)		3700.6915	3979.3145		
Extreme (0C)		3700.6915	3979.3145		
Extreme (-10C)		3700.6915	3979.3145		
Extreme (-20C)		3700.6915	3979.3145		
Extreme (-30C)		3700.6915	3979.3145		
20C		15%	3700.6915		
	-15%	3700.6915	3979.3145	8.2	0.002
	End Point	3700.6915	3979.3145	9.3	0.002

9. RADIATED RESULTS

9.1. RADIATED POWER (ERP & EIRP)

RULE PART(S)

FCC: §2.1046, §27.50

LIMITS

Part 27.50:

(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);

TEST RESULTS

See the following pages.

9.1.1. ERP/EIRP RESULTS

WCDMA B4 ((Antenna A, Main 1))

Band	Mode	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)
Band 4	REL99	1712.40	16.57	H	4.31	9.51	21.77	150.31	30.00	-8.23
		1732.60	17.80	H	4.33	9.60	23.08	203.24	30.00	-6.92
		1752.60	17.11	H	4.36	9.68	22.44	175.39	30.00	-7.56
	HSDPA	1712.40	15.94	H	4.31	9.51	21.14	130.02	30.00	-8.86
		1732.60	17.13	H	4.33	9.60	22.41	174.18	30.00	-7.59
		1752.60	16.47	H	4.36	9.68	21.80	151.36	30.00	-8.20

LTE Band 12 ((Antenna A, Main 1))

BW (MHz)	Modulation	Frequency (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	19.54	V	2.79	-1.34	15.41	34.75	34.77	-19.36	1/0
		707.50	20.47	V	2.79	-1.34	16.34	43.05	34.77	-18.43	1/0
		711.00	20.59	V	2.80	-1.33	16.46	44.26	34.77	-18.31	1/0
	16-QAM	704.00	18.23	V	2.79	-1.34	14.10	25.70	34.77	-20.67	1/0
		707.50	19.35	V	2.79	-1.34	15.22	33.27	34.77	-19.55	1/0
		711.00	19.33	V	2.80	-1.33	15.20	33.11	34.77	-19.57	1/0
5	QPSK	701.50	19.18	V	2.78	-1.35	15.05	31.99	34.77	-19.72	1/0
		707.50	20.23	V	2.79	-1.34	16.10	40.74	34.77	-18.67	1/12
		713.50	20.48	V	2.81	-1.32	16.36	43.25	34.77	-18.41	1/12
	16-QAM	701.50	18.12	V	2.78	-1.35	13.99	25.06	34.77	-20.78	1/0
		707.50	19.18	V	2.79	-1.34	15.05	31.99	34.77	-19.72	1/24
		713.50	19.47	V	2.81	-1.32	15.35	34.28	34.77	-19.42	1/0
3	QPSK	700.50	18.95	V	2.78	-1.35	14.82	30.34	34.77	-19.95	1/0
		707.50	20.16	V	2.79	-1.34	16.03	40.09	34.77	-18.74	1/12
		714.50	20.57	V	2.81	-1.32	16.44	44.06	34.77	-18.33	1/0
	16-QAM	700.50	17.96	V	2.78	-1.35	13.83	24.15	34.77	-20.94	1/0
		707.50	19.19	V	2.79	-1.34	15.06	32.06	34.77	-19.71	1/0
		714.50	19.39	V	2.81	-1.32	15.26	33.57	34.77	-19.51	1/8
1.4	QPSK	699.70	18.90	V	2.78	-1.35	14.77	29.99	34.77	-20.00	1/0
		707.50	20.28	V	2.79	-1.34	16.15	41.21	34.77	-18.62	1/3
		715.30	20.45	V	2.81	-1.32	16.32	42.85	34.77	-18.45	1/3
	16-QAM	699.70	17.85	V	2.78	-1.35	13.72	23.55	34.77	-21.05	1/3
		707.50	19.21	V	2.79	-1.34	15.08	32.21	34.77	-19.69	1/0
		715.30	19.37	V	2.81	-1.32	15.24	33.42	34.77	-19.53	1/0

LTE Band 13 (Antenna A, Main 1)

BW (MHz)	Modulation	Frequency (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	23.52	V	2.93	-1.19	19.40	87.10	34.77	-15.37	1/0
	16-QAM	782.00	21.90	V	2.93	-1.19	17.78	59.98	34.77	-16.99	1/25
5	QPSK	779.50	22.80	V	2.93	-1.19	18.68	73.79	34.77	-16.09	1/12
		782.00	22.78	V	2.93	-1.19	18.66	73.45	34.77	-16.11	1/12
		784.50	22.77	V	2.94	-1.18	18.65	73.28	34.77	-16.12	1/12
	16-QAM	779.50	21.64	V	2.93	-1.19	17.52	56.49	34.77	-17.25	1/24
		782.00	21.83	V	2.93	-1.19	17.71	59.02	34.77	-17.06	1/24
		784.50	21.59	V	2.94	-1.18	17.47	55.85	34.77	-17.30	1/24

LTE Band 41 (Antenna B, Main 2)

BW (MHz)	MoHulation	Frequency (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	17.17	H	5.25	9.99	21.91	155.24	33.00	-11.09	1/99
		2593.00	17.96	H	5.34	9.91	22.54	179.47	33.00	-10.46	1/99
		2680.00	19.72	H	5.43	9.87	24.16	260.62	33.00	-8.84	1/99
	16-QAM	2506.00	16.20	H	5.25	9.99	20.94	124.17	33.00	-12.06	1/99
		2593.00	16.83	H	5.34	9.91	21.41	138.36	33.00	-11.59	1/49
		2680.00	19.07	H	5.43	9.87	23.51	224.39	33.00	-9.49	1/49
15	QPSK	2503.50	17.09	H	5.24	9.99	21.84	152.76	33.00	-11.16	1/37
		2593.00	17.21	H	5.34	9.91	21.79	151.01	33.00	-11.21	1/37
		2682.50	19.90	H	5.43	9.87	24.34	271.64	33.00	-8.66	1/37
	16-QAM	2503.50	16.19	H	5.24	9.99	20.94	124.17	33.00	-12.06	1/74
		2593.00	16.25	H	5.34	9.91	20.83	121.06	33.00	-12.17	1/74
		2682.50	19.04	H	5.43	9.87	23.48	222.84	33.00	-9.52	1/37
10	QPSK	2501.00	17.01	H	5.24	10.00	21.77	150.31	33.00	-11.23	1/25
		2593.00	17.47	H	5.34	9.91	22.05	160.32	33.00	-10.95	1/25
		2685.00	19.92	H	5.43	9.87	24.36	272.90	33.00	-8.64	1/25
	16-QAM	2501.00	16.02	H	5.24	10.00	20.78	119.67	33.00	-12.22	1/25
		2593.00	16.62	H	5.34	9.91	21.20	131.83	33.00	-11.80	1/25
		2685.00	19.12	H	5.43	9.87	23.56	226.99	33.00	-9.44	1/25
5	QPSK	2498.50	16.88	H	5.23	10.00	21.65	146.22	33.00	-11.35	1/12
		2593.00	17.57	H	5.34	9.91	22.15	164.06	33.00	-10.85	1/12
		2687.50	19.64	H	5.44	9.87	24.08	255.86	33.00	-8.92	1/12
	16-QAM	2498.50	15.99	H	5.23	10.00	20.76	119.12	33.00	-12.24	1/12
		2593.00	16.70	H	5.34	9.91	21.28	134.28	33.00	-11.72	1/24
		2687.50	18.75	H	5.44	9.87	23.19	208.45	33.00	-9.81	1/12

LTE Band 41 (Antenna F, Sub 2)

BW (MHz)	MoHulation	Frequency (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	17.00	H	5.25	9.99	21.74	149.28	33.00	-11.26	1/99
		2593.00	13.82	H	5.34	9.91	18.40	69.18	33.00	-14.60	1/49
		2680.00	15.95	H	5.43	9.87	20.39	109.40	33.00	-12.61	1/49
	16-QAM	2506.00	16.10	H	5.25	9.99	20.84	121.34	33.00	-12.16	1/99
		2593.00	12.82	H	5.34	9.91	17.40	54.95	33.00	-15.60	1/99
		2680.00	15.20	H	5.43	9.87	19.64	92.04	33.00	-13.36	1/49
15	QPSK	2503.50	17.13	H	5.24	9.99	21.88	154.17	33.00	-11.12	1/74
		2593.00	13.90	H	5.34	9.91	18.48	70.47	33.00	-14.52	1/37
		2682.50	15.70	H	5.43	9.87	20.14	103.28	33.00	-12.86	1/74
	16-QAM	2503.50	16.16	H	5.24	9.99	20.91	123.31	33.00	-12.09	1/74
		2593.00	12.82	H	5.34	9.91	17.40	54.95	33.00	-15.60	1/74
		2682.50	15.25	H	5.43	9.87	19.69	93.11	33.00	-13.31	1/37
10	QPSK	2501.00	17.05	H	5.24	10.00	21.81	151.71	33.00	-11.19	1/49
		2593.00	13.60	H	5.34	9.91	18.18	65.77	33.00	-14.82	1/25
		2685.00	15.80	H	5.43	9.87	20.24	105.68	33.00	-12.76	1/10
	16-QAM	2501.00	16.12	H	5.24	10.00	20.88	122.46	33.00	-12.12	1/49
		2593.00	12.68	H	5.34	9.91	17.26	53.21	33.00	-15.74	1/49
		2685.00	15.29	H	5.43	9.87	19.73	93.97	33.00	-13.27	1/49
5	QPSK	2498.50	17.10	H	5.23	10.00	21.87	153.82	33.00	-11.13	1/24
		2593.00	13.78	H	5.34	9.91	18.36	68.55	33.00	-14.64	1/12
		2687.50	15.93	H	5.44	9.87	20.37	108.89	33.00	-12.63	1/12
	16-QAM	2498.50	15.96	H	5.23	10.00	20.73	118.30	33.00	-12.27	1/24
		2593.00	12.66	H	5.34	9.91	17.24	52.97	33.00	-15.76	1/24
		2687.50	15.21	H	5.44	9.87	19.65	92.26	33.00	-13.35	1/12

LTE Band 66 (Antenna A, Main 1)

BW (MHz)	Modulation	Frequency (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	1720.00	16.27	H	4.32	9.55	21.50	141.25	30.00	-8.50	1/0
		1745.00	15.86	H	4.35	9.66	21.17	130.92	30.00	-8.83	1/49
		1770.00	15.95	H	4.38	9.68	21.26	133.66	30.00	-8.74	1/10
	16-QAM	1720.00	15.23	H	4.32	9.55	20.46	111.17	30.00	-9.54	1/0
		1745.00	14.80	H	4.35	9.66	20.11	102.57	30.00	-9.89	1/0
		1770.00	14.84	H	4.38	9.68	20.15	103.51	30.00	-9.85	1/0
15	QPSK	1717.50	16.32	H	4.31	9.53	21.54	142.56	30.00	-8.46	1/37
		1745.00	15.86	H	4.35	9.66	21.17	130.92	30.00	-8.83	1/37
		1772.50	16.13	H	4.38	9.68	21.43	139.00	30.00	-8.57	1/37
	16-QAM	1717.50	15.10	H	4.31	9.53	20.32	107.65	30.00	-9.68	1/74
		1745.00	14.76	H	4.35	9.66	20.07	101.62	30.00	-9.93	1/0
		1772.50	14.81	H	4.38	9.68	20.11	102.57	30.00	-9.89	1/37
10	QPSK	1715.00	16.11	H	4.31	9.52	21.32	135.52	30.00	-8.68	1/49
		1745.00	15.90	H	4.35	9.66	21.21	132.13	30.00	-8.79	1/0
		1775.00	16.38	H	4.38	9.68	21.68	147.23	30.00	-8.32	1/25
	16-QAM	1715.00	14.98	H	4.31	9.52	20.19	104.47	30.00	-9.81	1/49
		1745.00	14.67	H	4.35	9.66	19.98	99.54	30.00	-10.02	1/49
		1775.00	15.05	H	4.38	9.68	20.35	108.39	30.00	-9.65	1/25
5	QPSK	1712.50	16.41	H	4.31	9.51	21.62	145.21	30.00	-8.38	1/24
		1745.00	15.88	H	4.35	9.66	21.19	131.52	30.00	-8.81	1/12
		1777.50	16.21	H	4.39	9.68	21.51	141.58	30.00	-8.49	1/12
	16-QAM	1712.50	15.20	H	4.31	9.51	20.41	109.90	30.00	-9.59	1/0
		1745.00	14.75	H	4.35	9.66	20.06	101.39	30.00	-9.94	1/0
		1777.50	15.08	H	4.39	9.68	20.38	109.14	30.00	-9.62	1/24
3	QPSK	1711.50	16.10	H	4.31	9.51	21.30	134.90	30.00	-8.70	1/14
		1745.00	15.93	H	4.35	9.66	21.24	133.05	30.00	-8.76	1/8
		1778.50	16.54	H	4.39	9.68	21.83	152.41	30.00	-8.17	1/14
	16-QAM	1711.50	14.98	H	4.31	9.51	20.18	104.23	30.00	-9.82	1/18
		1745.00	14.90	H	4.35	9.66	20.21	104.95	30.00	-9.79	1/14
		1778.50	15.11	H	4.39	9.68	20.40	109.65	30.00	-9.60	1/8
1.4	QPSK	1710.70	16.52	H	4.31	9.50	21.72	148.59	30.00	-8.28	1/0
		1745.00	15.97	H	4.35	9.66	21.28	134.28	30.00	-8.72	1/0
		1779.30	16.53	H	4.39	9.68	21.82	152.05	30.00	-8.18	1/0
	16-QAM	1710.70	15.23	H	4.31	9.50	20.43	110.41	30.00	-9.57	1/5
		1745.00	14.71	H	4.35	9.66	20.02	100.46	30.00	-9.98	1/3
		1779.30	15.04	H	4.39	9.68	20.33	107.89	30.00	-9.67	1/3

LTE Band 66 (Antenna F, Sub 2)

BW (MHz)	Modulation	Frequency (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	1720.00	16.68	H	4.32	9.55	21.91	155.24	30.00	-8.09	1/99
		1745.00	16.83	H	4.35	9.66	22.14	163.68	30.00	-7.86	1/49
		1770.00	17.40	H	4.38	9.68	22.71	186.64	30.00	-7.29	1/49
	16-QAM	1720.00	15.86	H	4.32	9.55	21.09	128.53	30.00	-8.91	1/0
		1745.00	15.87	H	4.35	9.66	21.18	131.22	30.00	-8.82	1/99
		1770.00	16.39	H	4.38	9.68	21.70	147.91	30.00	-8.30	1/0
15	QPSK	1717.50	15.95	H	4.31	9.53	21.17	130.92	30.00	-8.83	1/74
		1745.00	16.78	H	4.35	9.66	22.09	161.81	30.00	-7.91	1/37
		1772.50	17.48	H	4.38	9.68	22.78	189.67	30.00	-7.22	1/37
	16-QAM	1717.50	15.20	H	4.31	9.53	20.42	110.15	30.00	-9.58	1/74
		1745.00	15.80	H	4.35	9.66	21.11	129.12	30.00	-8.89	1/74
		1772.50	16.26	H	4.38	9.68	21.56	143.22	30.00	-8.44	1/37
10	QPSK	1715.00	15.53	H	4.31	9.52	20.74	118.58	30.00	-9.26	1/49
		1745.00	16.69	H	4.35	9.66	22.00	158.49	30.00	-8.00	1/0
		1775.00	17.59	H	4.38	9.68	22.89	194.54	30.00	-7.11	1/25
	16-QAM	1715.00	14.76	H	4.31	9.52	19.97	99.31	30.00	-10.03	1/49
		1745.00	15.88	H	4.35	9.66	21.19	131.52	30.00	-8.81	1/49
		1775.00	16.46	H	4.38	9.68	21.76	149.97	30.00	-8.24	1/25
5	QPSK	1712.50	16.49	H	4.31	9.51	21.70	147.91	30.00	-8.30	1/24
		1745.00	16.78	H	4.35	9.66	22.09	161.81	30.00	-7.91	1/12
		1777.50	17.59	H	4.39	9.68	22.89	194.54	30.00	-7.11	1/12
	16-QAM	1712.50	15.45	H	4.31	9.51	20.66	116.41	30.00	-9.34	1/0
		1745.00	15.76	H	4.35	9.66	21.07	127.94	30.00	-8.93	1/12
		1777.50	16.69	H	4.39	9.68	21.99	158.12	30.00	-8.01	1/0
3	QPSK	1711.50	14.63	H	4.31	9.51	19.83	96.16	30.00	-10.17	1/14
		1745.00	16.75	H	4.35	9.66	22.06	160.69	30.00	-7.94	1/8
		1778.50	17.85	H	4.39	9.68	23.14	206.06	30.00	-6.86	1/8
	16-QAM	1711.50	13.88	H	4.31	9.51	19.08	80.91	30.00	-10.92	1/14
		1745.00	15.87	H	4.35	9.66	21.18	131.22	30.00	-8.82	1/14
		1778.50	16.56	H	4.39	9.68	21.85	153.11	30.00	-8.15	1/8
1.4	QPSK	1710.70	16.38	H	4.31	9.50	21.58	143.88	30.00	-8.42	1/5
		1745.00	16.74	H	4.35	9.66	22.05	160.32	30.00	-7.95	1/3
		1779.30	17.81	H	4.39	9.68	23.10	204.17	30.00	-6.90	1/3
	16-QAM	1710.70	15.26	H	4.31	9.50	20.46	111.17	30.00	-9.54	1/5
		1745.00	15.64	H	4.35	9.66	20.95	124.45	30.00	-9.05	1/3
		1779.30	16.66	H	4.39	9.68	21.95	156.68	30.00	-8.05	1/3

NR Band n41 (DFT-OFDM) (Antenna B, Main 2)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. ol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB
100	QPSK	2546.01	19.13	H	5.29	9.91	23.76	237.47	33.00	-9.24	1/137
		2592.99	18.36	H	5.34	9.91	22.94	196.59	33.00	-10.06	1/137
		2640.00	19.14	H	5.39	9.88	23.62	230.16	33.00	-9.38	1/1
	16-QAM	2546.01	18.38	H	5.29	9.91	23.01	199.81	33.00	-9.99	1/137
		2592.99	17.50	H	5.34	9.91	22.08	161.27	33.00	-10.92	1/137
		2640.00	18.14	H	5.39	9.88	22.62	182.82	33.00	-10.38	1/1
90	QPSK	2541.00	19.44	H	5.28	9.92	24.08	255.88	33.00	-8.92	1/123
		2592.99	18.58	H	5.34	9.91	23.16	206.81	33.00	-9.84	1/243
		2644.98	19.41	H	5.40	9.87	23.89	244.70	33.00	-9.11	1/1
	16-QAM	2541.00	18.51	H	5.28	9.92	23.15	206.56	33.00	-9.85	1/1
		2592.99	17.41	H	5.34	9.91	21.99	157.97	33.00	-11.01	1/1
		2644.98	18.27	H	5.40	9.87	22.75	188.18	33.00	-10.25	1/1
80	QPSK	2536.02	19.45	H	5.28	9.93	24.11	257.43	33.00	-8.89	1/109
		2592.99	18.60	H	5.34	9.91	23.18	207.76	33.00	-9.82	1/215
		2649.99	19.23	H	5.41	9.87	23.69	234.04	33.00	-9.31	1/215
	16-QAM	2536.02	18.56	H	5.28	9.93	23.22	209.73	33.00	-9.78	1/1
		2592.99	17.57	H	5.34	9.91	22.15	163.89	33.00	-10.85	1/1
		2649.99	17.99	H	5.41	9.87	22.45	175.91	33.00	-10.55	1/1
70	QPSK	2531.02	19.19	H	5.28	9.94	23.86	243.04	33.00	-9.14	1/95
		2593.99	18.54	H	5.34	9.91	23.12	205.05	33.00	-9.88	1/95
		2654.98	19.33	H	5.41	9.87	23.79	239.11	33.00	-9.21	1/187
	16-QAM	2531.02	18.21	H	5.28	9.94	22.88	193.95	33.00	-10.12	1/1
		2593.99	17.53	H	5.34	9.91	22.11	162.50	33.00	-10.89	1/1
		2654.98	17.99	H	5.41	9.87	22.45	175.63	33.00	-10.55	1/1
60	QPSK	2526.00	19.08	H	5.27	9.95	23.76	237.81	33.00	-9.24	1/81
		2592.99	18.49	H	5.34	9.91	23.07	202.57	33.00	-9.93	1/81
		2659.98	19.16	H	5.41	9.87	23.61	229.74	33.00	-9.39	1/160
	16-QAM	2526.00	18.18	H	5.27	9.95	22.86	193.30	33.00	-10.14	1/1
		2592.99	17.24	H	5.34	9.91	21.82	151.90	33.00	-11.18	1/1
		2659.98	18.03	H	5.41	9.87	22.48	177.11	33.00	-10.52	1/1
50	QPSK	2521.01	19.04	H	5.26	9.96	23.74	236.50	33.00	-9.26	1/131
		2592.99	18.49	H	5.34	9.91	23.07	202.57	33.00	-9.93	1/131
		2665.00	19.30	H	5.42	9.87	23.75	236.91	33.00	-9.25	1/131
	16-QAM	2521.01	18.21	H	5.26	9.96	22.91	195.36	33.00	-10.09	1/1
		2592.99	17.44	H	5.34	9.91	22.02	159.06	33.00	-10.98	1/1
		2665.00	17.94	H	5.42	9.87	22.39	173.22	33.00	-10.61	1/1
40	QPSK	2516.01	18.91	H	5.26	9.97	23.62	230.28	33.00	-9.38	1/104
		2592.99	18.48	H	5.34	9.91	23.06	202.10	33.00	-9.94	1/53
		2670.00	19.42	H	5.43	9.87	23.87	243.76	33.00	-9.13	1/104
	16-QAM	2516.01	18.06	H	5.26	9.97	22.77	189.35	33.00	-10.23	1/1
		2592.99	17.32	H	5.34	9.91	21.90	154.73	33.00	-11.10	1/1
		2670.00	18.30	H	5.43	9.87	22.75	188.35	33.00	-10.25	1/1
30	QPSK	2511.00	18.76	H	5.25	9.98	23.49	223.41	33.00	-9.51	1/39
		2592.99	18.53	H	5.34	9.91	23.11	204.44	33.00	-9.89	1/39
		2675.00	19.64	H	5.43	9.87	24.09	256.17	33.00	-8.91	1/76
	16-QAM	2511.00	18.13	H	5.25	9.98	22.86	193.24	33.00	-10.14	1/1
		2592.99	17.70	H	5.34	9.91	22.28	168.87	33.00	-10.72	1/1
		2675.00	18.13	H	5.43	9.87	22.58	180.94	33.00	-10.42	1/1
20	QPSK	2506.02	17.69	H	5.25	9.99	22.43	175.01	33.00	-10.57	1/49
		2592.99	18.09	H	5.34	9.91	22.67	184.74	33.00	-10.33	1/1
		2679.99	18.68	H	5.43	9.87	23.12	204.97	33.00	-9.88	1/49
	16-QAM	2506.02	17.79	H	5.25	9.99	22.53	179.09	33.00	-10.47	1/1
		2592.99	18.06	H	5.34	9.91	22.64	183.47	33.00	-10.36	1/1
		2679.99	18.55	H	5.43	9.87	22.99	198.92	33.00	-10.01	1/1
15	QPSK	2503.50	17.66	H	5.24	9.99	22.41	174.22	33.00	-10.59	1/19
		2592.99	18.06	H	5.34	9.91	22.64	183.47	33.00	-10.36	1/1
		2682.48	18.76	H	5.43	9.87	23.20	209.02	33.00	-9.80	1/36
	16-QAM	2503.50	17.77	H	5.24	9.99	22.52	178.69	33.00	-10.48	1/1
		2592.99	17.97	H	5.34	9.91	22.55	179.71	33.00	-10.45	1/1
		2682.48	18.55	H	5.43	9.87	22.99	199.16	33.00	-10.01	1/1
10	QPSK	2501.01	17.67	H	5.24	10.00	22.43	174.98	33.00	-10.57	1/12
		2592.99	18.05	H	5.34	9.91	22.63	183.05	33.00	-10.37	1/22
		2685.00	19.03	H	5.43	9.87	23.47	222.31	33.00	-9.53	1/12
	16-QAM	2501.01	17.70	H	5.24	10.00	22.46	176.20	33.00	-10.54	1/1
		2592.99	18.13	H	5.34	9.91	22.71	186.45	33.00	-10.29	1/1
		2685.00	18.59	H	5.43	9.87	23.03	200.89	33.00	-9.97	1/1

NR Band n41 (DFT-OFDM) (Antenna F, Sub 2)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. ol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Delta (dB)	RB
100	QPSK	2546.01	18.91	V	5.29	9.91	23.53	225.49	33.00	-9.47	1/137
		2592.99	18.88	V	5.34	9.91	23.46	221.60	33.00	-9.54	1/137
		2640.00	19.24	V	5.39	9.88	23.73	235.91	33.00	-9.27	1/1
	16-QAM	2546.01	18.16	V	5.29	9.91	22.78	189.72	33.00	-10.22	1/137
		2592.99	18.02	V	5.34	9.91	22.60	181.79	33.00	-10.40	1/137
		2640.00	18.24	V	5.39	9.88	22.73	187.39	33.00	-10.27	1/1
90	QPSK	2541.00	19.19	V	5.28	9.92	23.83	241.51	33.00	-9.17	1/123
		2592.99	19.10	V	5.34	9.91	23.68	233.12	33.00	-9.32	1/243
		2644.98	19.49	V	5.40	9.87	23.97	249.39	33.00	-9.03	1/1
	16-QAM	2541.00	18.26	V	5.28	9.92	22.90	194.96	33.00	-10.10	1/1
		2592.99	17.93	V	5.34	9.91	22.51	178.06	33.00	-10.49	1/1
		2644.98	18.34	V	5.40	9.87	22.82	191.37	33.00	-10.18	1/1
80	QPSK	2536.02	19.33	V	5.28	9.93	23.98	250.32	33.00	-9.02	1/109
		2592.99	19.12	V	5.34	9.91	23.70	234.19	33.00	-9.30	1/215
		2649.99	19.25	V	5.41	9.87	23.71	235.06	33.00	-9.29	1/215
	16-QAM	2536.02	18.38	V	5.28	9.93	23.03	200.92	33.00	-9.97	1/1
		2592.99	18.09	V	5.34	9.91	22.67	184.75	33.00	-10.33	1/1
		2649.99	18.01	V	5.41	9.87	22.47	176.68	33.00	-10.53	1/1
70	QPSK	2531.02	19.03	V	5.28	9.94	23.70	234.37	33.00	-9.30	1/95
		2593.99	19.10	V	5.34	9.91	23.67	233.08	33.00	-9.33	1/95
		2654.98	19.31	V	5.41	9.87	23.77	238.31	33.00	-9.23	1/187
	16-QAM	2531.02	18.05	V	5.28	9.94	22.72	187.03	33.00	-10.28	1/1
		2593.99	18.09	V	5.34	9.91	22.66	184.71	33.00	-10.34	1/1
		2654.98	17.97	V	5.41	9.87	22.43	175.04	33.00	-10.57	1/1
60	QPSK	2526.00	18.92	V	5.27	9.95	23.60	229.26	33.00	-9.40	1/81
		2592.99	19.01	V	5.34	9.91	23.59	228.34	33.00	-9.41	1/81
		2659.98	19.14	V	5.41	9.87	23.60	229.07	33.00	-9.40	1/160
	16-QAM	2526.00	18.02	V	5.27	9.95	22.70	186.35	33.00	-10.30	1/1
		2592.99	17.76	V	5.34	9.91	22.34	171.23	33.00	-10.66	1/1
		2659.98	18.01	V	5.41	9.87	22.47	176.59	33.00	-10.53	1/1
50	QPSK	2521.01	18.91	V	5.26	9.96	23.61	229.65	33.00	-9.39	1/131
		2592.99	19.01	V	5.34	9.91	23.59	228.34	33.00	-9.41	1/131
		2665.00	19.18	V	5.42	9.87	23.63	230.70	33.00	-9.37	1/131
	16-QAM	2521.01	18.08	V	5.26	9.96	22.78	189.70	33.00	-10.22	1/1
		2592.99	17.96	V	5.34	9.91	22.54	179.30	33.00	-10.46	1/1
		2665.00	17.82	V	5.42	9.87	22.27	168.68	33.00	-10.73	1/1
40	QPSK	2516.01	18.83	V	5.26	9.97	23.54	228.09	33.00	-9.46	1/104
		2592.99	19.00	V	5.34	9.91	23.58	227.81	33.00	-9.42	1/53
		2670.00	19.27	V	5.43	9.87	23.72	235.29	33.00	-9.28	1/104
	16-QAM	2516.01	17.98	V	5.26	9.97	22.69	185.90	33.00	-10.31	1/1
		2592.99	17.84	V	5.34	9.91	22.42	174.41	33.00	-10.58	1/1
		2670.00	18.15	V	5.43	9.87	22.60	181.81	33.00	-10.40	1/1
30	QPSK	2511.00	18.78	V	5.25	9.98	23.51	224.40	33.00	-9.49	1/39
		2592.99	19.05	V	5.34	9.91	23.63	230.45	33.00	-9.37	1/39
		2675.00	19.33	V	5.43	9.87	23.78	238.76	33.00	-9.22	1/76
	16-QAM	2511.00	18.15	V	5.25	9.98	22.88	194.10	33.00	-10.12	1/1
		2592.99	18.22	V	5.34	9.91	22.80	190.36	33.00	-10.20	1/1
		2675.00	17.82	V	5.43	9.87	22.27	168.64	33.00	-10.73	1/1
20	QPSK	2506.02	17.84	V	5.25	9.99	22.58	181.09	33.00	-10.42	1/49
		2592.99	18.61	V	5.34	9.91	23.19	208.24	33.00	-9.81	1/1
		2679.99	18.35	V	5.43	9.87	22.79	190.28	33.00	-10.21	1/49
	16-QAM	2506.02	17.94	V	5.25	9.99	22.68	185.30	33.00	-10.32	1/1
		2592.99	18.58	V	5.34	9.91	23.16	206.81	33.00	-9.84	1/1
		2679.99	18.22	V	5.43	9.87	22.66	184.67	33.00	-10.34	1/1
15	QPSK	2503.50	17.87	V	5.24	9.99	22.62	182.78	33.00	-10.38	1/19
		2592.99	18.58	V	5.34	9.91	23.16	206.81	33.00	-9.84	1/1
		2682.48	18.42	V	5.43	9.87	22.87	193.42	33.00	-10.13	1/36
	16-QAM	2503.50	17.98	V	5.24	9.99	22.73	187.47	33.00	-10.27	1/1
		2592.99	18.49	V	5.34	9.91	23.07	202.57	33.00	-9.93	1/1
		2682.48	18.21	V	5.43	9.87	22.66	184.29	33.00	-10.34	1/1
10	QPSK	2501.01	17.91	V	5.24	10.00	22.67	184.78	33.00	-10.33	1/12
		2592.99	18.57	V	5.34	9.91	23.15	206.34	33.00	-9.85	1/22
		2685.00	18.65	V	5.43	9.87	23.09	203.74	33.00	-9.91	1/12
	16-QAM	2501.01	17.94	V	5.24	10.00	22.70	186.06	33.00	-10.30	1/1
		2592.99	18.65	V	5.34	9.91	23.23	210.17	33.00	-9.77	1/1
		2685.00	18.21	V	5.43	9.87	22.65	184.11	33.00	-10.35	1/1