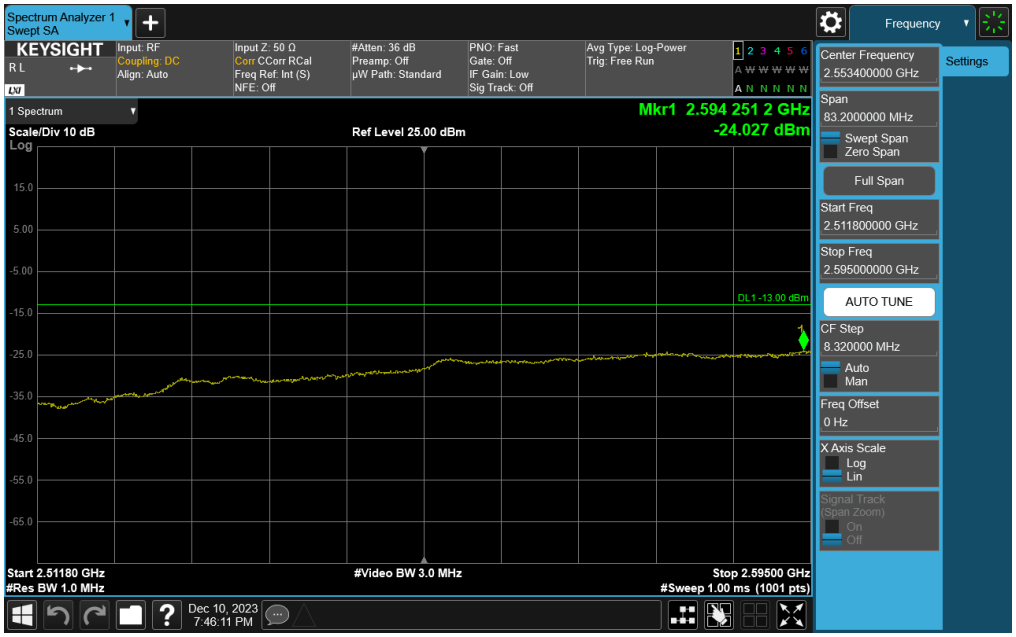
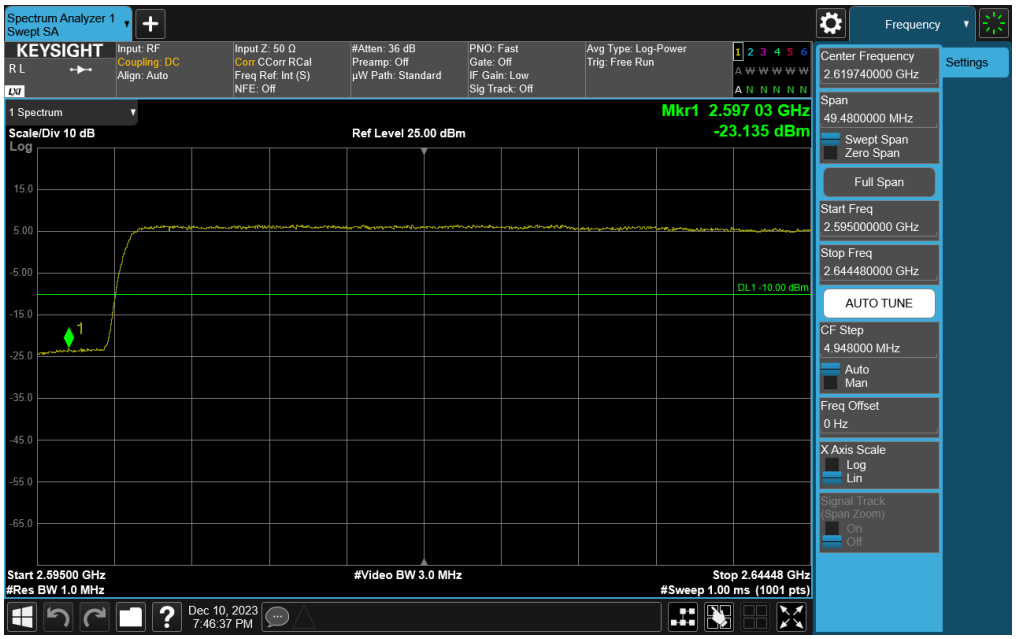
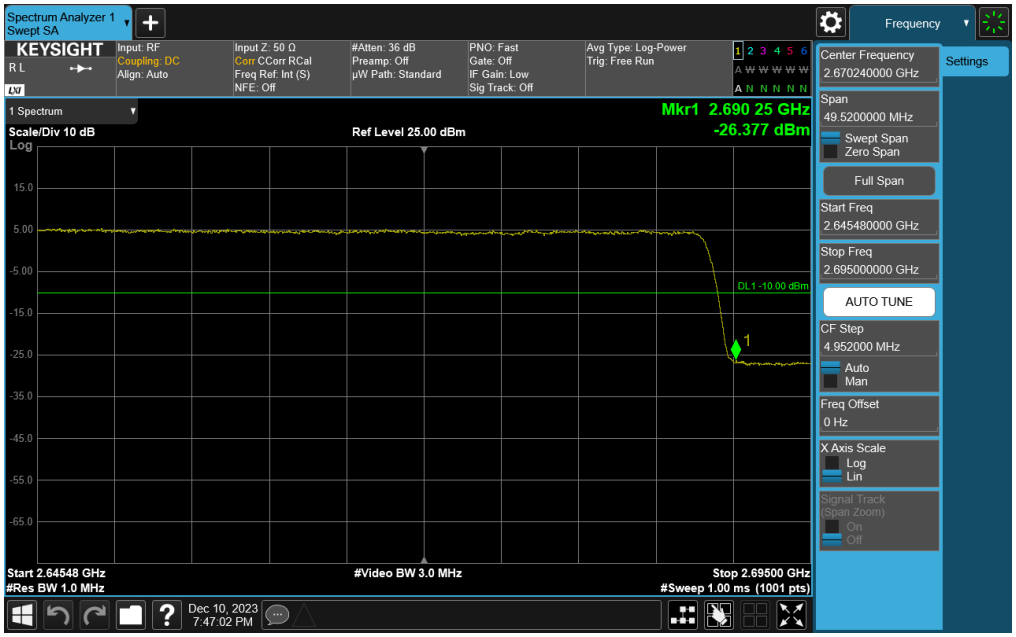


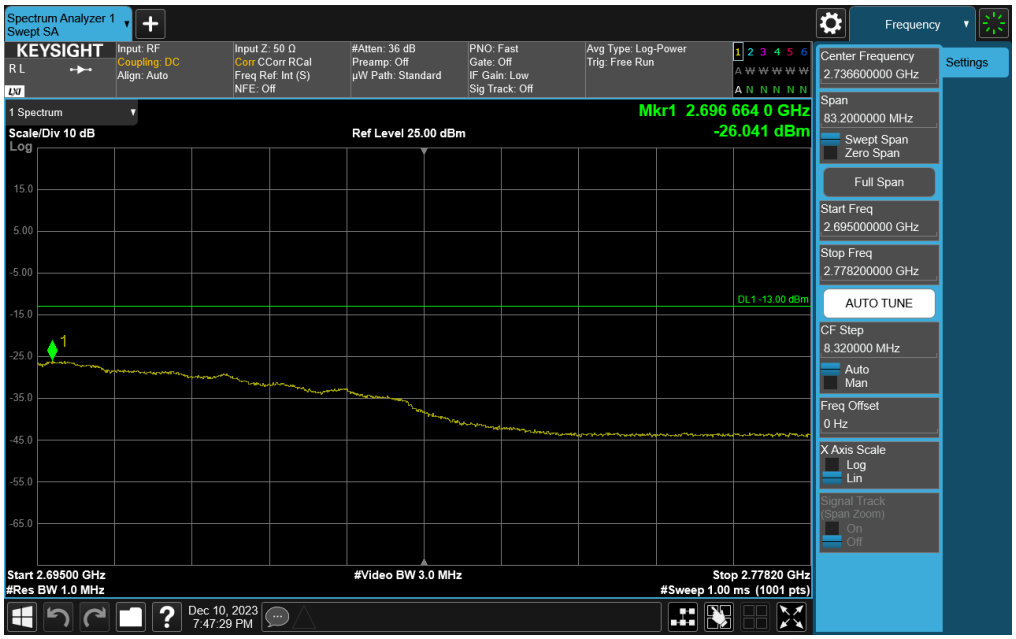
Plot 7-852. Upper Band Edge Plot (NR Band n41 - 90MHz DFT-s-OFDM QPSK – Full RB)



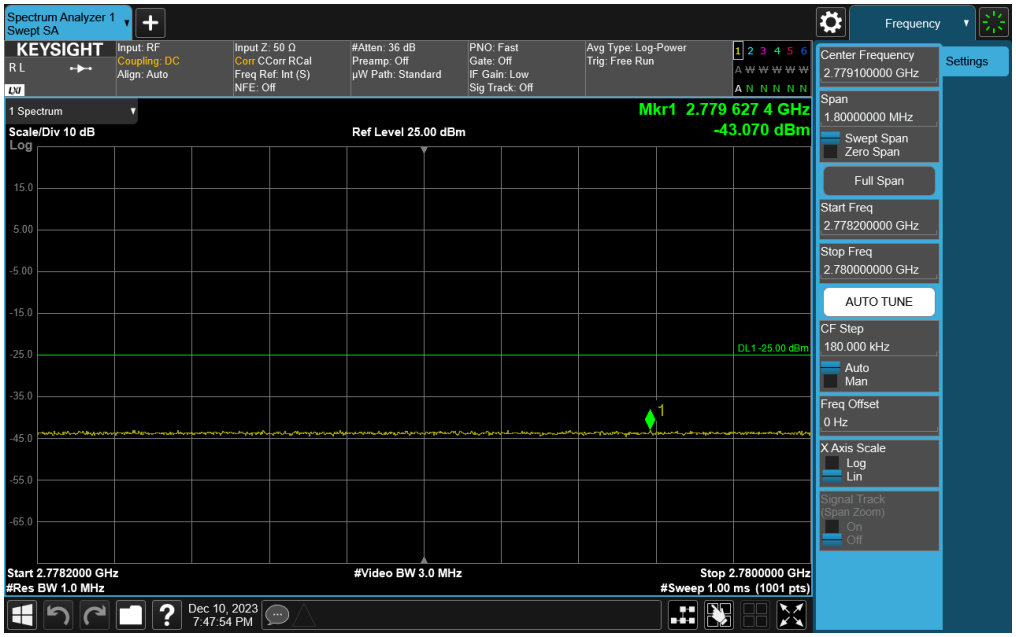
Plot 7-853. Upper Band Edge Plot (NR Band n41 - 90MHz DFT-s-OFDM QPSK – Full RB)



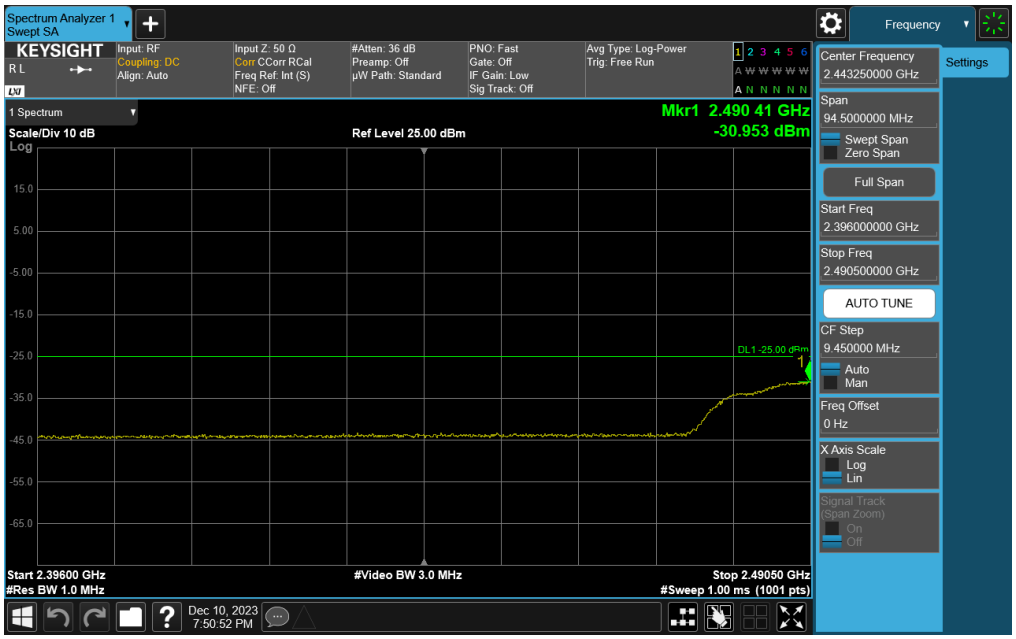
Plot 7-854. Upper Band Edge Plot (NR Band n41 - 90MHz DFT-s-OFDM QPSK – Full RB)



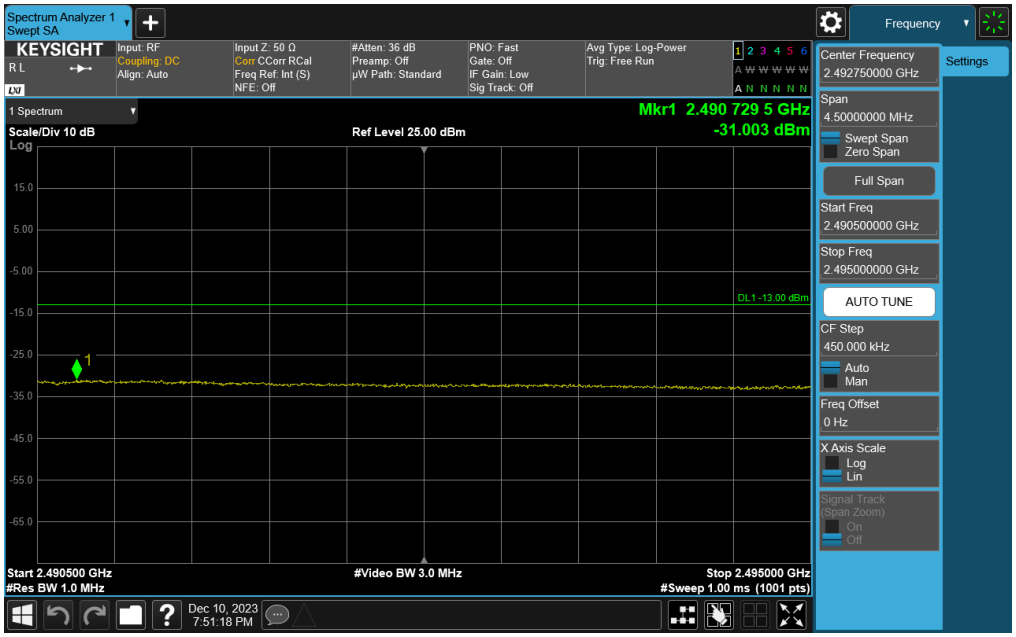
Plot 7-855. Upper Band Edge Plot (NR Band n41 - 90MHz DFT-s-OFDM QPSK – Full RB)



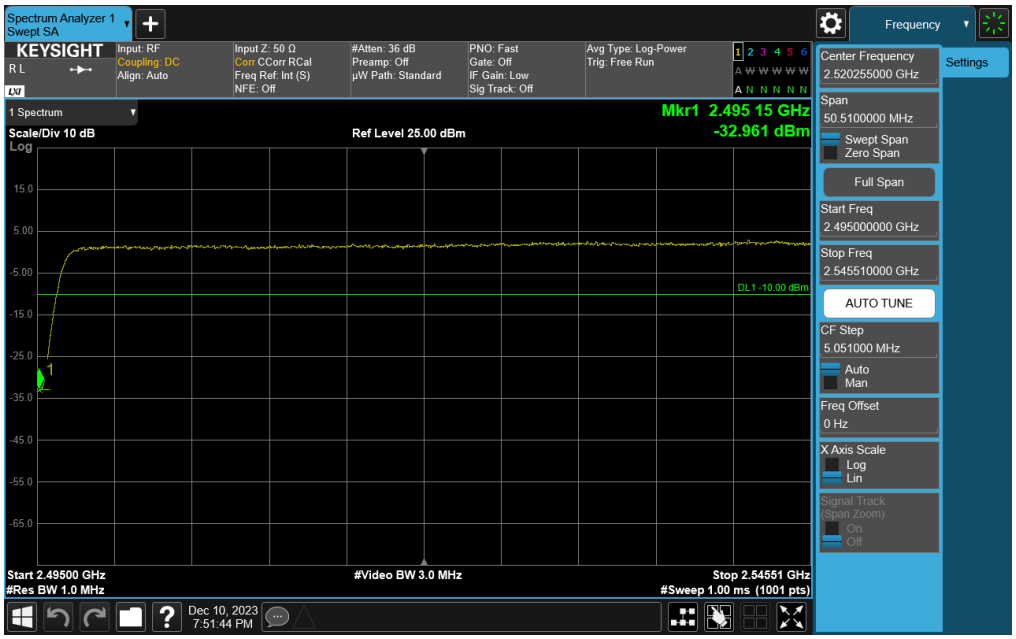
Plot 7-856. Upper Band Edge Plot (NR Band n41 - 90MHz DFT-s-OFDM QPSK – Full RB)



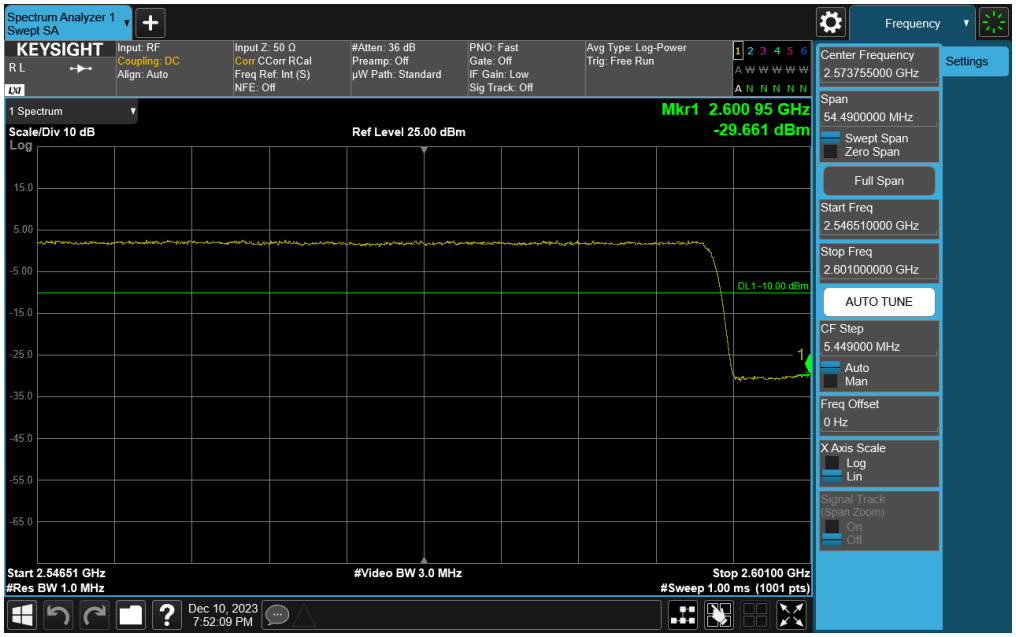
Plot 7-857. Lower Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM QPSK – Full RB)



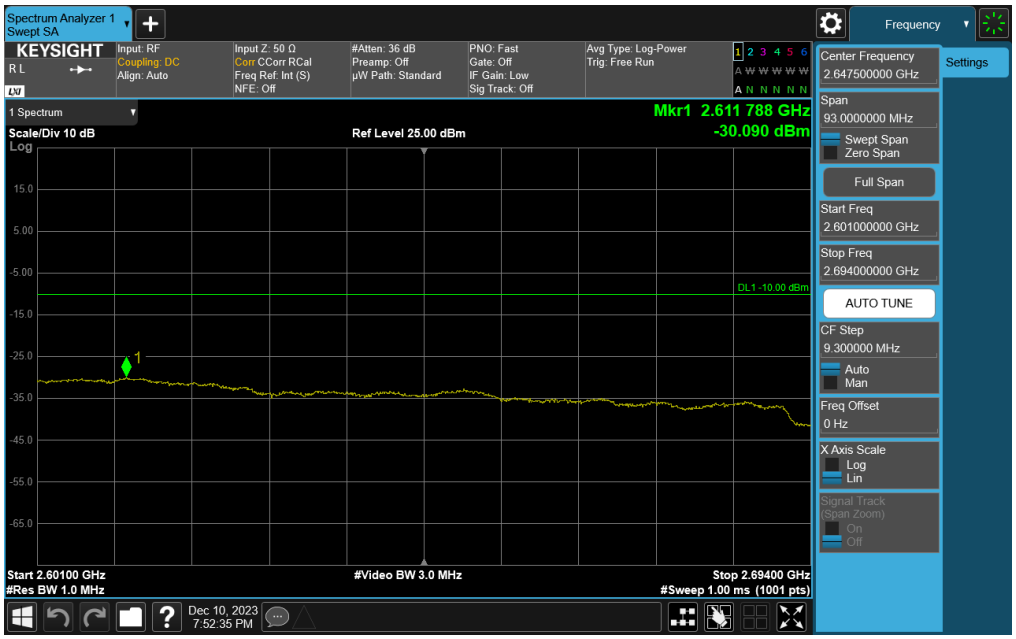
Plot 7-858. Lower Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM QPSK – Full RB)



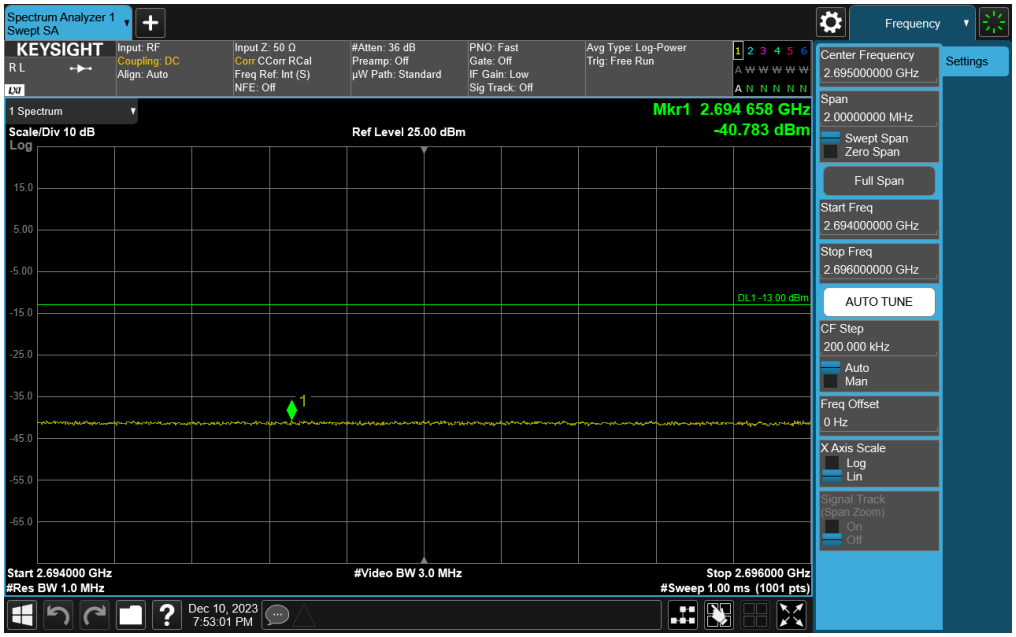
Plot 7-859. Lower Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM QPSK – Full RB)



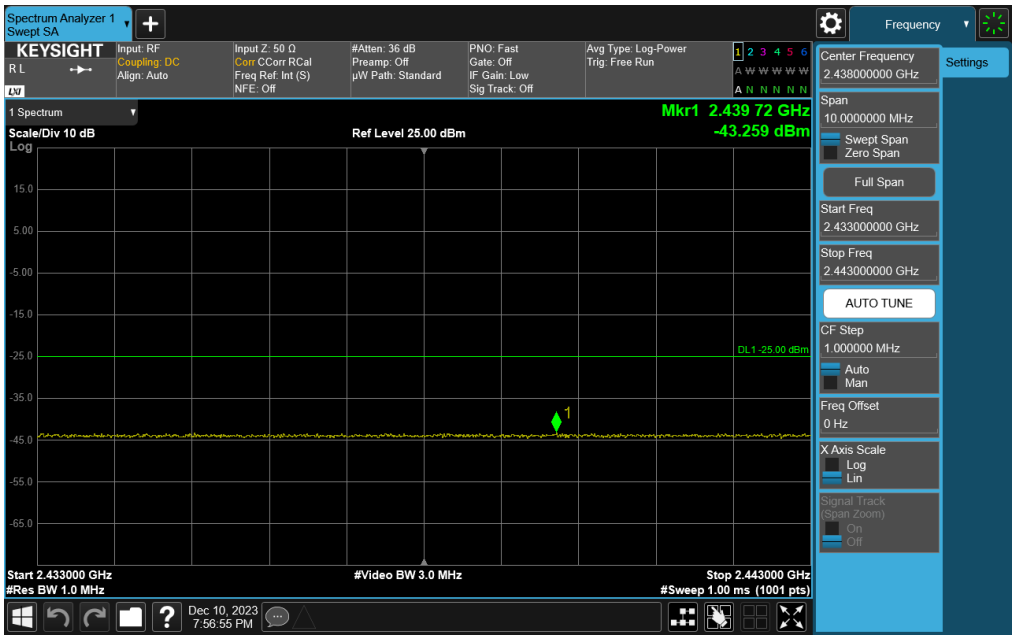
Plot 7-860. Lower Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM QPSK – Full RB)



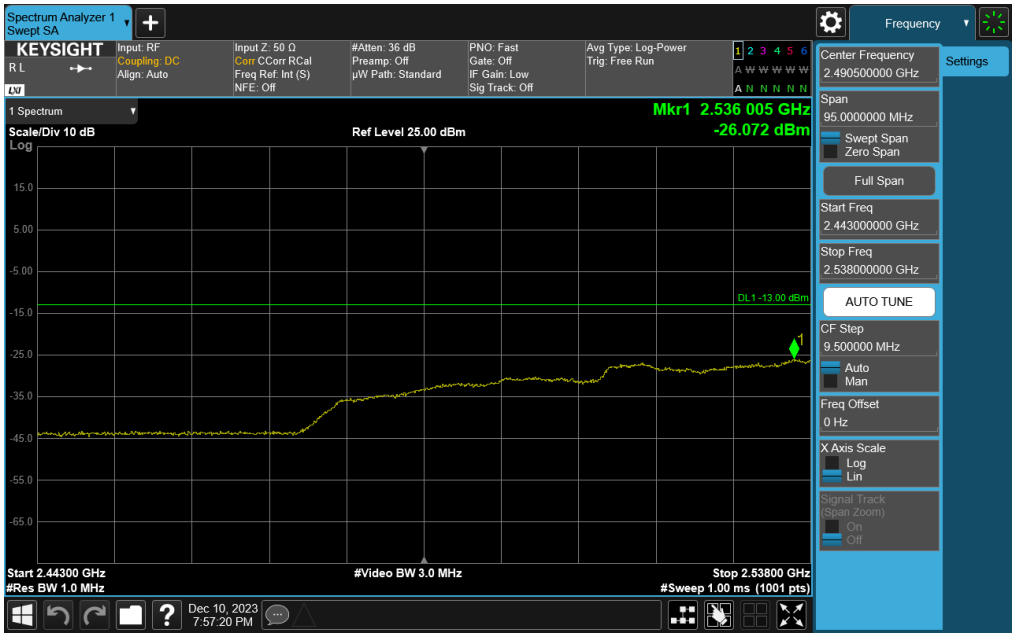
Plot 7-861. Lower Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM QPSK – Full RB)



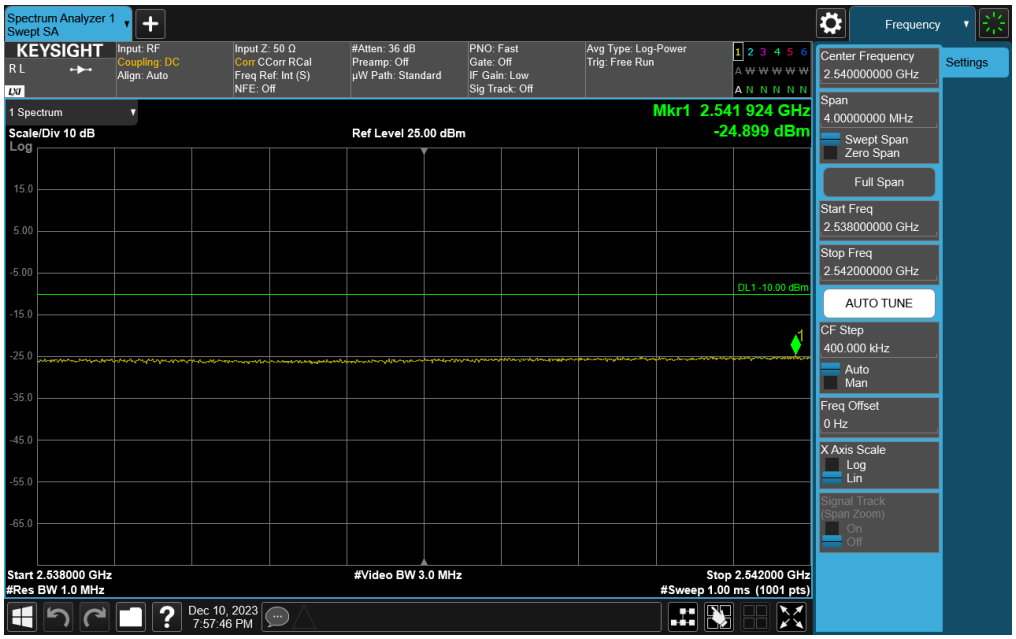
Plot 7-862. Lower Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM QPSK – Full RB)



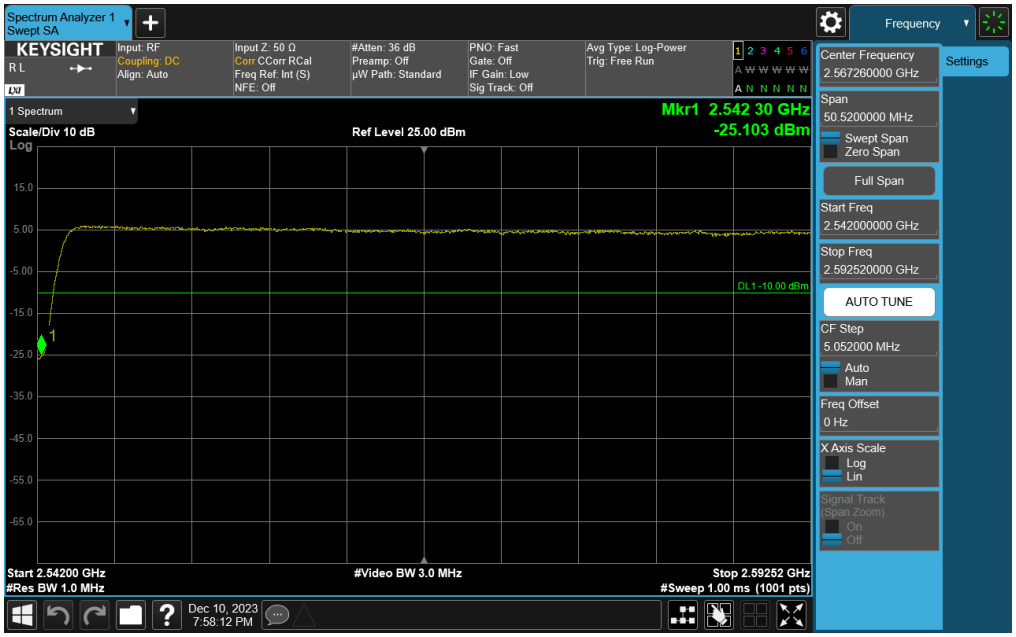
Plot 7-863. Middle Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM QPSK – Full RB)



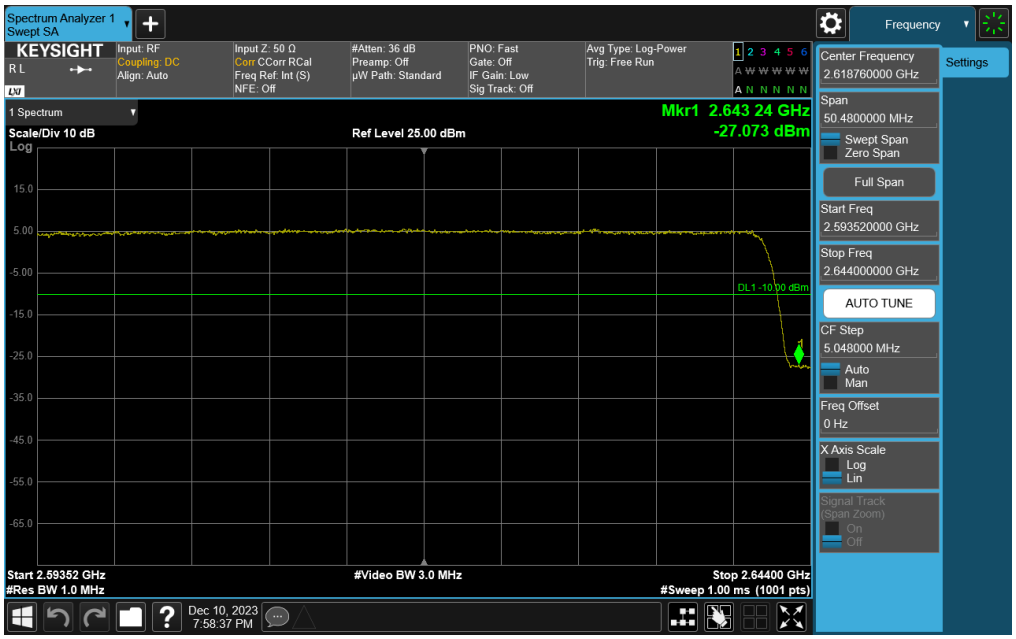
Plot 7-864. Middle Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM QPSK – Full RB)



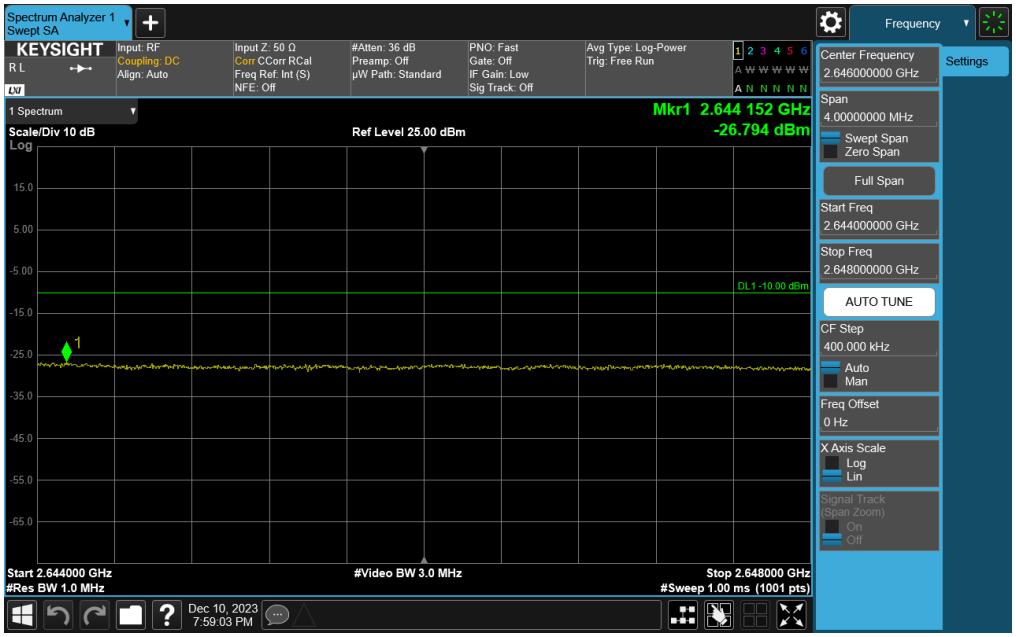
Plot 7-865. Middle Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM QPSK – Full RB)



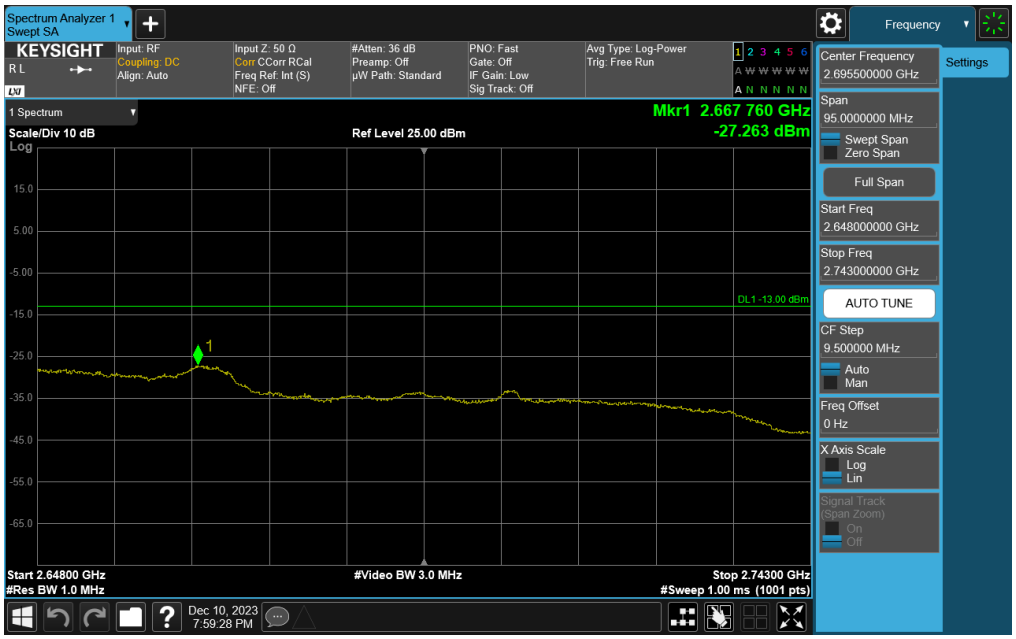
Plot 7-866. Middle Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM QPSK – Full RB)



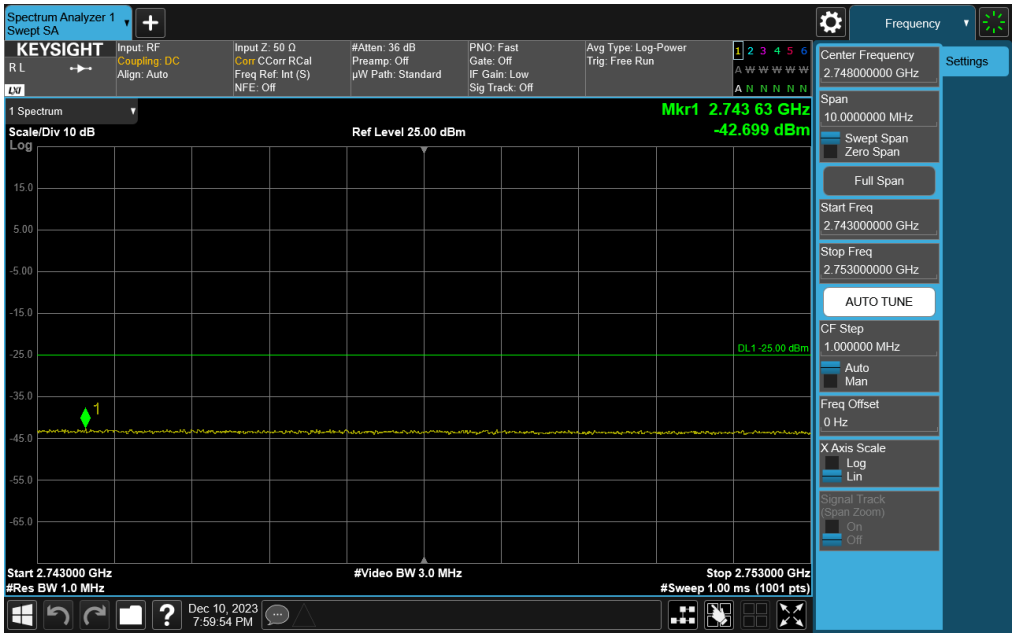
Plot 7-867. Middle Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM QPSK – Full RB)



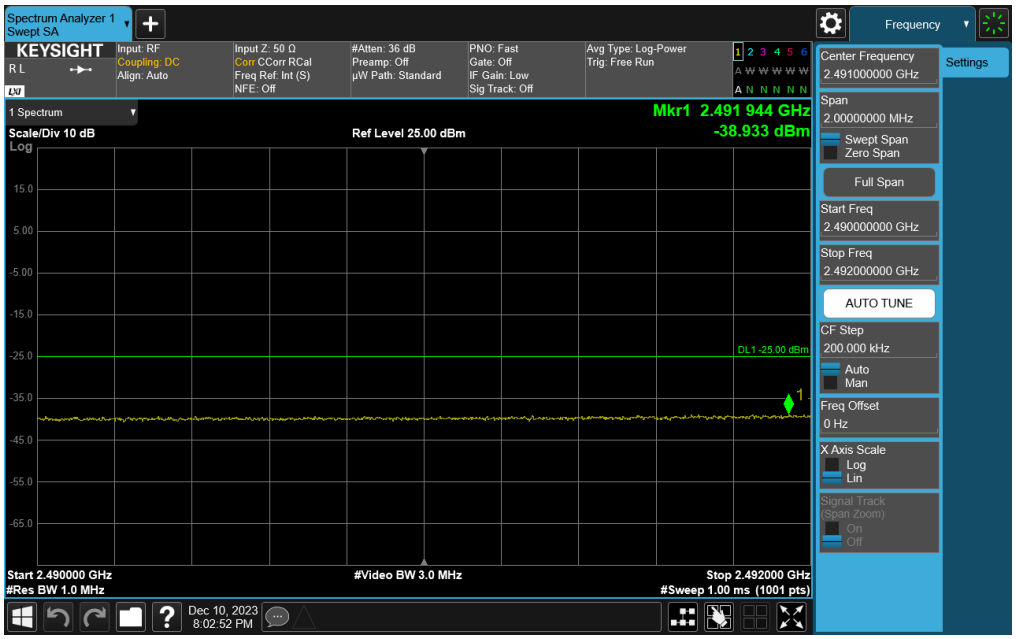
Plot 7-868. Middle Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM QPSK – Full RB)



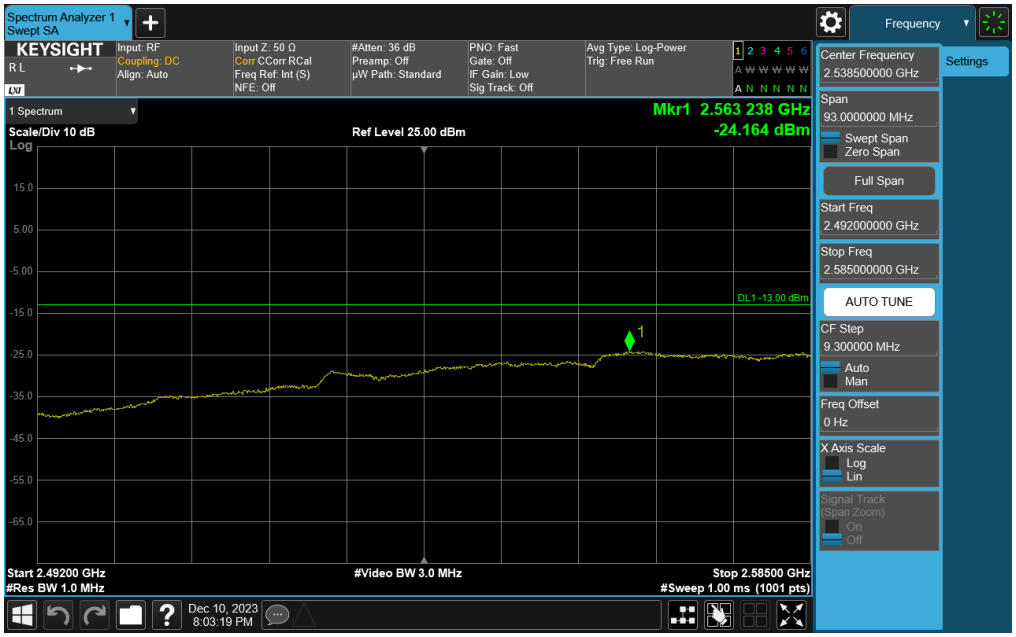
Plot 7-869. Middle Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM QPSK – Full RB)



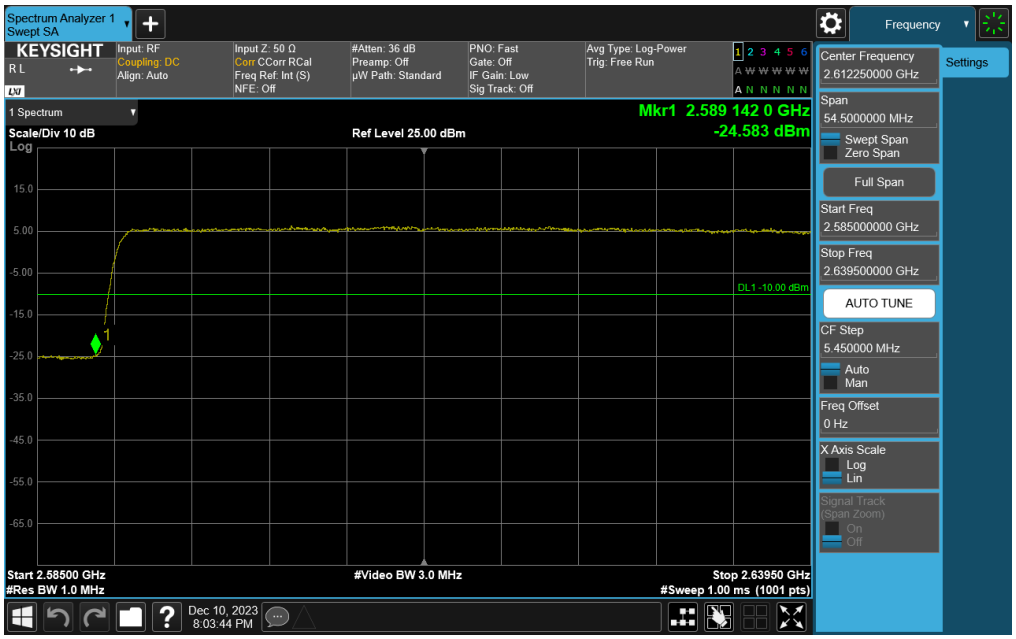
Plot 7-870. Middle Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM QPSK – Full RB)



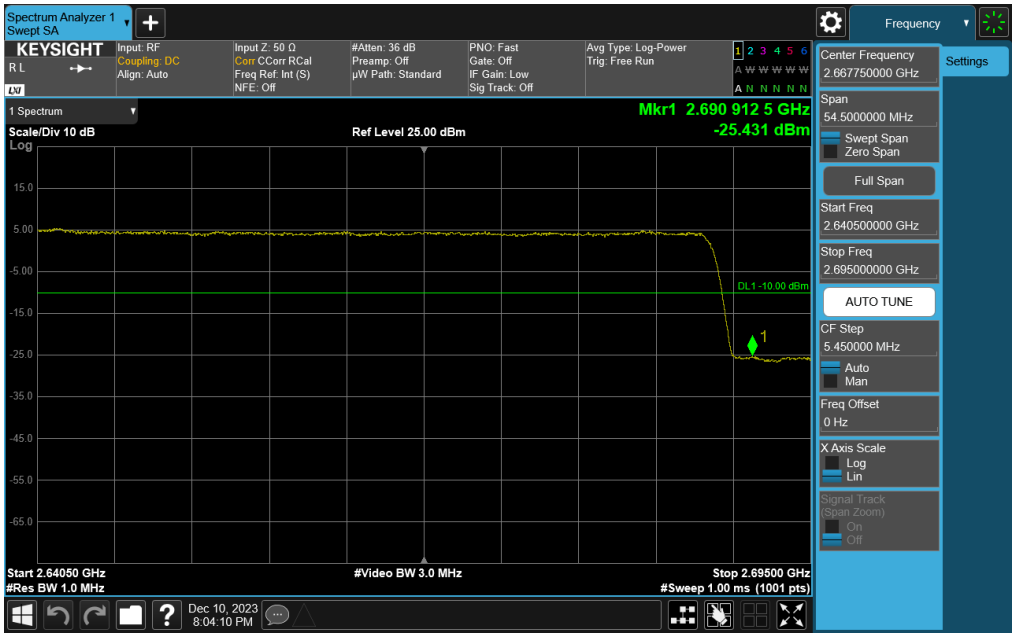
Plot 7-871. Upper Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM QPSK – Full RB)



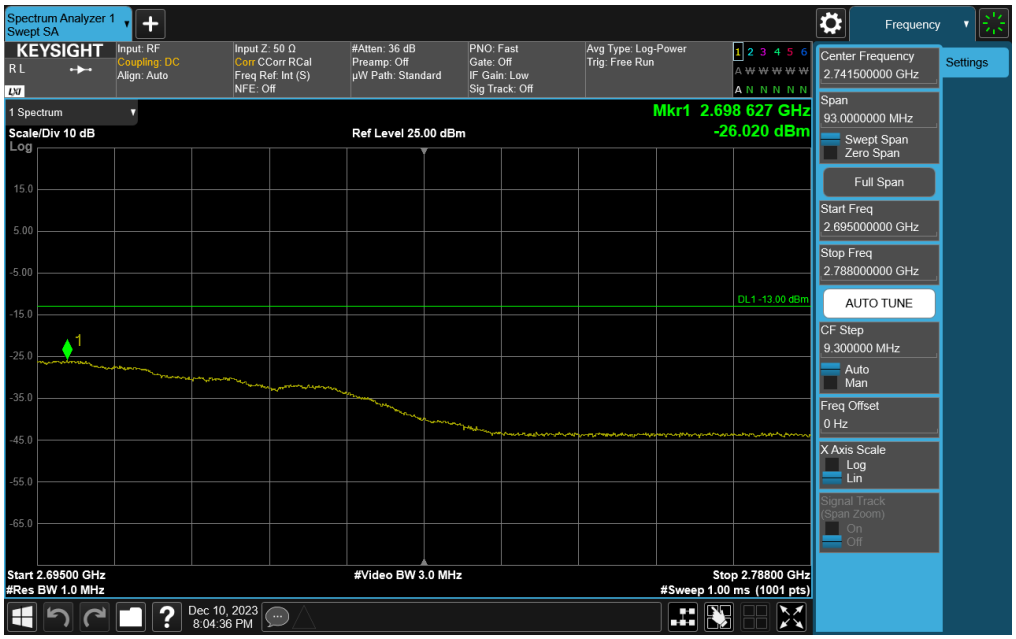
Plot 7-872. Upper Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM QPSK – Full RB)



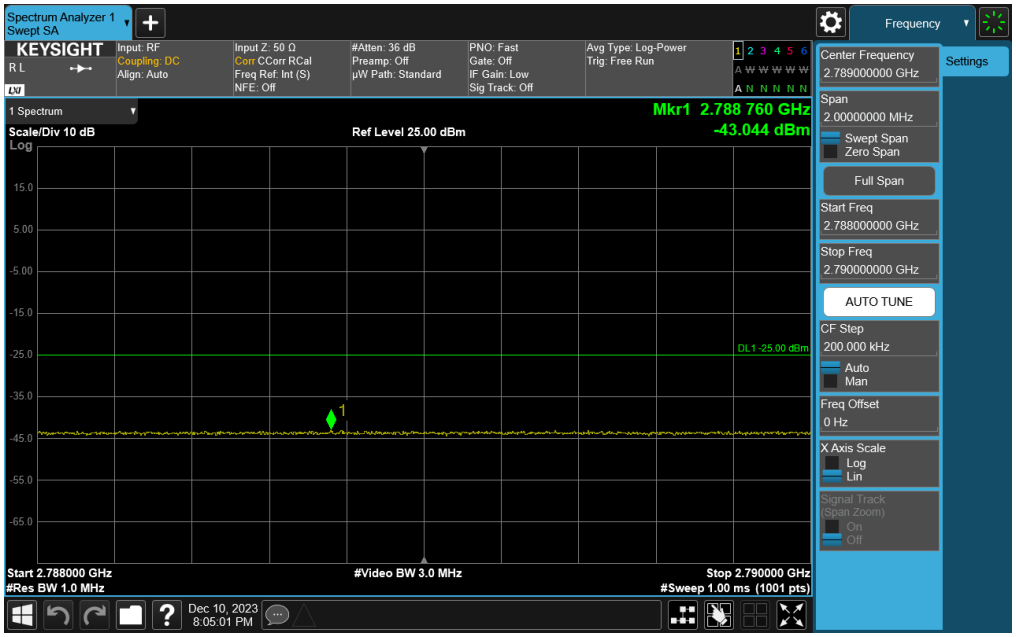
Plot 7-873. Upper Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM QPSK – Full RB)



Plot 7-874. Upper Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM QPSK – Full RB)

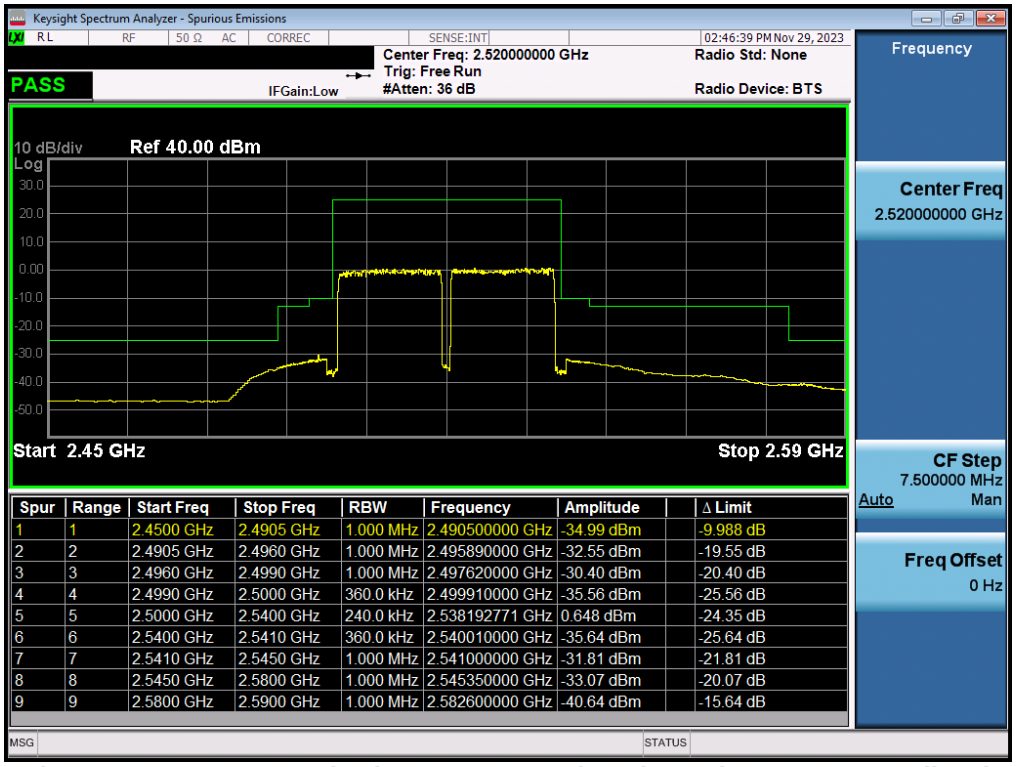


Plot 7-875. Upper Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM QPSK – Full RB)



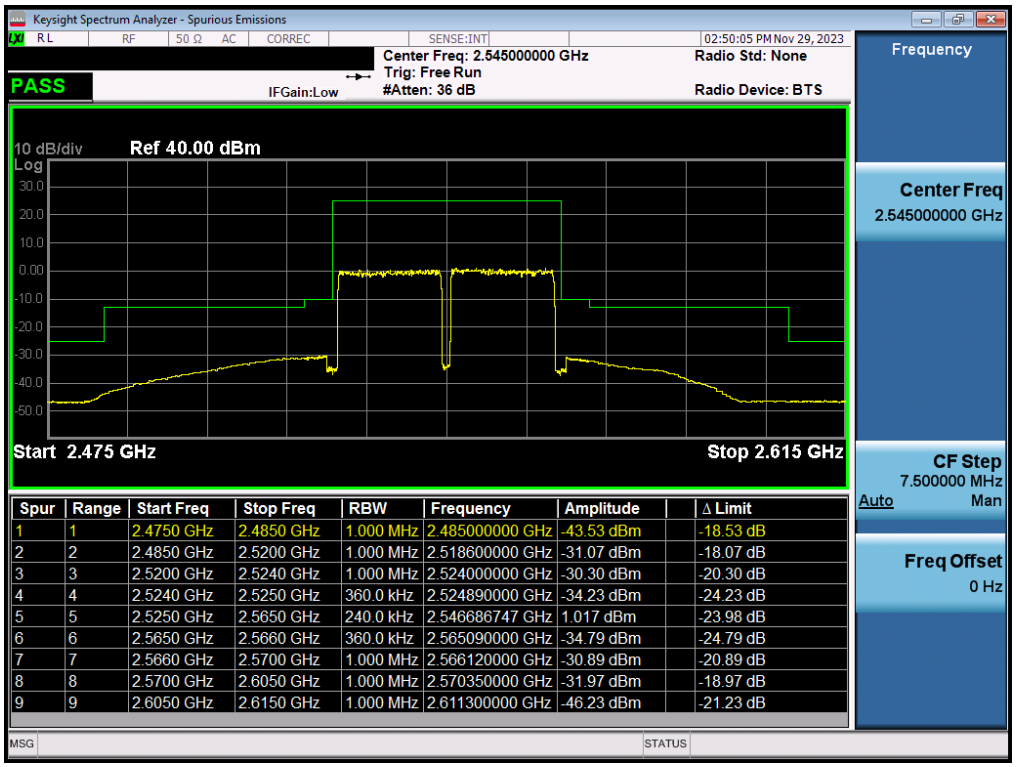
Plot 7-876. Upper Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM QPSK – Full RB)

ULCA - LTE Band 7



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4500 GHz	2.4905 GHz	1.000 MHz	2.490500000 GHz	-34.99 dBm	-9.988 dB
2	2	2.4905 GHz	2.4960 GHz	1.000 MHz	2.495890000 GHz	-32.55 dBm	-19.55 dB
3	3	2.4960 GHz	2.4990 GHz	1.000 MHz	2.497620000 GHz	-30.40 dBm	-20.40 dB
4	4	2.4990 GHz	2.5000 GHz	360.0 kHz	2.499910000 GHz	-35.56 dBm	-25.56 dB
5	5	2.5000 GHz	2.5400 GHz	240.0 kHz	2.538192771 GHz	0.648 dBm	-24.35 dB
6	6	2.5400 GHz	2.5410 GHz	360.0 kHz	2.540010000 GHz	-35.64 dBm	-25.64 dB
7	7	2.5410 GHz	2.5450 GHz	1.000 MHz	2.541000000 GHz	-31.81 dBm	-21.81 dB
8	8	2.5450 GHz	2.5800 GHz	1.000 MHz	2.545350000 GHz	-33.07 dBm	-20.07 dB
9	9	2.5800 GHz	2.5900 GHz	1.000 MHz	2.582600000 GHz	-40.64 dBm	-15.64 dB

Plot 7-877. Lower ACP Plot (ULCA LTE Band 7 – (20+20)MHz QPSK - Full RB)



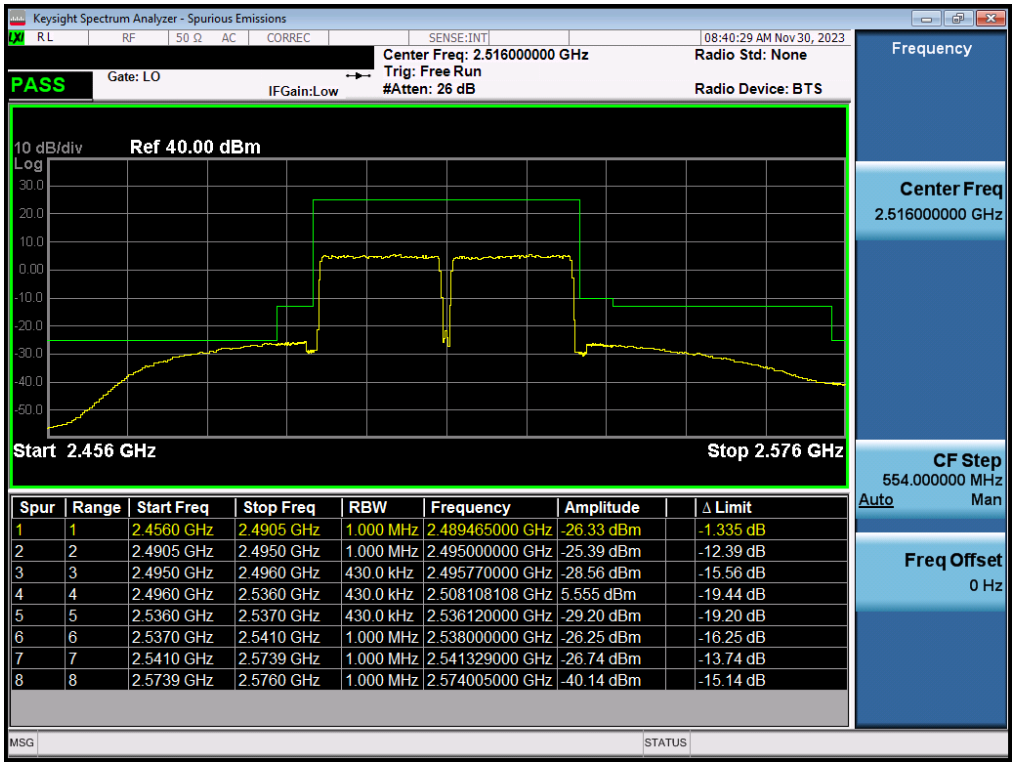
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4750 GHz	2.4850 GHz	1.000 MHz	2.485000000 GHz	-43.53 dBm	-18.53 dB
2	2	2.4850 GHz	2.5200 GHz	1.000 MHz	2.518600000 GHz	-31.07 dBm	-18.07 dB
3	3	2.5200 GHz	2.5240 GHz	1.000 MHz	2.524000000 GHz	-30.30 dBm	-20.30 dB
4	4	2.5240 GHz	2.5250 GHz	360.0 kHz	2.524890000 GHz	-34.23 dBm	-24.23 dB
5	5	2.5250 GHz	2.5650 GHz	240.0 kHz	2.546686747 GHz	1.017 dBm	-23.98 dB
6	6	2.5650 GHz	2.5660 GHz	360.0 kHz	2.565090000 GHz	-34.79 dBm	-24.79 dB
7	7	2.5660 GHz	2.5700 GHz	1.000 MHz	2.566120000 GHz	-30.89 dBm	-20.89 dB
8	8	2.5700 GHz	2.6050 GHz	1.000 MHz	2.570350000 GHz	-31.97 dBm	-18.97 dB
9	9	2.6050 GHz	2.6150 GHz	1.000 MHz	2.611300000 GHz	-46.23 dBm	-21.23 dB

Plot 7-878. Middle ACP Plot (ULCA LTE Band 7 – (20+20)MHz QPSK - Full RB)

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4800 GHz	2.4900 GHz	1.000 MHz	2.490000000 GHz	-42.95 dBm	-17.95 dB
2	2	2.4900 GHz	2.5250 GHz	1.000 MHz	2.524650000 GHz	-32.10 dBm	-19.10 dB
3	3	2.5250 GHz	2.5290 GHz	1.000 MHz	2.528440000 GHz	-30.88 dBm	-20.88 dB
4	4	2.5290 GHz	2.5300 GHz	820.0 kHz	2.529960000 GHz	-31.60 dBm	-21.60 dB
5	5	2.5300 GHz	2.5700 GHz	820.0 kHz	2.568000000 GHz	5.047 dBm	-19.95 dB
6	6	2.5700 GHz	2.5710 GHz	820.0 kHz	2.570020000 GHz	-31.95 dBm	-21.95 dB
7	7	2.5710 GHz	2.5750 GHz	1.000 MHz	2.571200000 GHz	-31.67 dBm	-21.67 dB
8	8	2.5750 GHz	2.6100 GHz	1.000 MHz	2.576050000 GHz	-34.60 dBm	-21.60 dB
9	9	2.6100 GHz	2.6200 GHz	1.000 MHz	2.616800000 GHz	-46.12 dBm	-21.12 dB

Plot 7-879. Upper ACP Plot (ULCA LTE Band 7 – (20+20)MHz QPSK - Full RB)

ULCA - LTE Band 41



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4560 GHz	2.4905 GHz	1.000 MHz	2.489465000 GHz	-26.33 dBm	-1.335 dB
2	2	2.4905 GHz	2.4950 GHz	1.000 MHz	2.495000000 GHz	-25.39 dBm	-12.39 dB
3	3	2.4950 GHz	2.4960 GHz	430.0 kHz	2.495770000 GHz	-28.56 dBm	-15.56 dB
4	4	2.4960 GHz	2.5360 GHz	430.0 kHz	2.508108108 GHz	5.555 dBm	-19.44 dB
5	5	2.5360 GHz	2.5370 GHz	430.0 kHz	2.536120000 GHz	-29.20 dBm	-19.20 dB
6	6	2.5370 GHz	2.5410 GHz	1.000 MHz	2.538000000 GHz	-26.25 dBm	-16.25 dB
7	7	2.5410 GHz	2.5739 GHz	1.000 MHz	2.541329000 GHz	-26.74 dBm	-13.74 dB
8	8	2.5739 GHz	2.5760 GHz	1.000 MHz	2.574005000 GHz	-40.14 dBm	-15.14 dB

Plot 7-880. Lower ACP Plot (ULCA LTE Band 41 – (20+20)MHz QPSK - Full RB)

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.5330 GHz	2.5430 GHz	1.000 MHz	2.542800000 GHz	-38.61 dBm	-13.61 dB
2	2	2.5430 GHz	2.5780 GHz	1.000 MHz	2.576950000 GHz	-24.99 dBm	-11.99 dB
3	3	2.5780 GHz	2.5820 GHz	1.000 MHz	2.581960000 GHz	-24.80 dBm	-14.80 dB
4	4	2.5820 GHz	2.5830 GHz	820.0 kHz	2.582830000 GHz	-25.40 dBm	-15.40 dB
5	5	2.5830 GHz	2.6230 GHz	820.0 kHz	2.596200000 GHz	7.847 dBm	-17.15 dB
6	6	2.6230 GHz	2.6240 GHz	820.0 kHz	2.623030000 GHz	-25.22 dBm	-15.22 dB
7	7	2.6240 GHz	2.6280 GHz	1.000 MHz	2.624200000 GHz	-24.68 dBm	-14.68 dB
8	8	2.6280 GHz	2.6630 GHz	1.000 MHz	2.629050000 GHz	-25.48 dBm	-12.48 dB
9	9	2.6630 GHz	2.6730 GHz	1.000 MHz	2.663300000 GHz	-39.41 dBm	-14.41 dB

Plot 7-881. Middle ACP Plot (ULCA LTE Band 41 – (20+20)MHz QPSK - Full RB)

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.6000 GHz	2.6100 GHz	1.000 MHz	2.609600000 GHz	-37.15 dBm	-12.15 dB
2	2	2.6100 GHz	2.6450 GHz	1.000 MHz	2.644650000 GHz	-27.64 dBm	-14.64 dB
3	3	2.6450 GHz	2.6490 GHz	1.000 MHz	2.648880000 GHz	-26.71 dBm	-16.71 dB
4	4	2.6490 GHz	2.6500 GHz	820.0 kHz	2.649960000 GHz	-27.13 dBm	-17.13 dB
5	5	2.6500 GHz	2.6900 GHz	820.0 kHz	2.676000000 GHz	7.398 dBm	-17.60 dB
6	6	2.6900 GHz	2.6910 GHz	820.0 kHz	2.690080000 GHz	-53.49 dBm	-43.49 dB
7	7	2.6910 GHz	2.6950 GHz	1.000 MHz	2.691040000 GHz	-26.59 dBm	-16.59 dB
8	8	2.6950 GHz	2.7300 GHz	1.000 MHz	2.695350000 GHz	-27.66 dBm	-14.66 dB
9	9	2.7300 GHz	2.7400 GHz	1.000 MHz	2.730700000 GHz	-39.54 dBm	-14.54 dB

Plot 7-882. Upper ACP Plot (ULCA LTE Band 41 – (20+20)MHz QPSK - Full RB)

7.5 Additional Maximum Power Reduction (A-MPR)

§2.1046

Test Overview

A-MPR is implemented in this device when operating at Power Class 2 in LTE Band 41 per the A-MPR specification in 3GPP TS 36.101. The conducted powers are shown herein to cover the different A-MPR levels specified in the standard. Conducted power measurements are performed to measure the average output power of the EUT. The averaging is to be performed only over duration of active transmissions at maximum output power level. The average measurements do not include averaging over periods when the transmitter is quiescent or when operating at reduced power level. All ports were tested and only the worst case data were reported.

Test Procedure Used

KDB 971168 D01 v03

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below

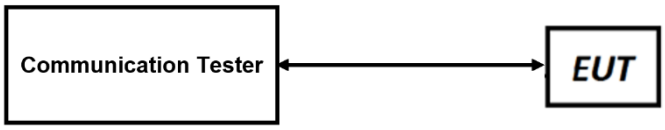


Figure 7-4. Conducted Power Measurement Setup

Test Notes

None.

Test Case	NS	MCC	MNC	Channel BW [MHz]	Channel Number	Channel Frequency [MHz]	RB Size	RB Offset	A-MPR [dB]	Modulation	MPR [dB]	Measured Power [dBm]	Lowest Typical Power [dBm]	Delta [dB]
1	01	312	530	5	39675	2498.5	1	0	3	QPSK	0	26.00	24.7	**1.30**
										16-QAM	1	24.41	23.7	**0.71**
										64-QAM	2	23.01	22.7	**0.31**
										256-QAM	4	21.38	20.7	**0.68**
2				5	39675	2498.5	1	9	0	QPSK	0	28.40	27.7	**0.70**
										16-QAM	1	27.12	26.7	**0.42**
										64-QAM	2	27.39	25.7	**1.69**
										256-QAM	4	24.77	23.7	**1.07**
3				10	39700	2501	1	0	5	QPSK	0	23.49	22.7	**0.79**
										16-QAM	1	23.28	21.7	**1.58**
										64-QAM	2	22.42	20.7	**1.72**
										256-QAM	4	19.58	18.7	**0.88**
4				10	39700	2501	20	0	2	QPSK	0	26.08	25.7	**0.38**
										16-QAM	1	25.41	24.7	**0.71**
										64-QAM	2	24.06	23.7	**0.36**
										256-QAM	4	22.32	21.7	**0.62**
5				10	39700	2501	50	0	3	QPSK	0	25.12	24.7	**0.42**
										16-QAM	1	24.20	23.7	**0.50**
										64-QAM	2	23.05	22.7	**0.35**
										256-QAM	4	21.39	20.7	**0.69**
6				10	39700	2501	25	20	1	QPSK	0	27.05	26.7	**0.35**
										16-QAM	1	26.26	25.7	**0.56**
										64-QAM	2	25.38	24.7	**0.68**
										256-QAM	4	23.23	22.7	**0.53**
7				10	39700	2501	1	36	0	QPSK	0	28.65	27.7	**0.95**
										16-QAM	1	27.37	26.7	**0.67**
										64-QAM	2	27.64	25.7	**1.94**
										256-QAM	4	24.48	23.7	**0.78**
8				15	39725	2503.5	1	0	5	QPSK	0	23.62	22.7	**0.92**
										16-QAM	1	22.58	21.7	**0.88**
										64-QAM	2	21.54	20.7	**0.84**
										256-QAM	4	19.41	18.7	**0.71**
9				15	39725	2503.5	20	0	2	QPSK	0	26.09	25.7	**0.39**
										16-QAM	1	25.14	24.7	**0.44**
										64-QAM	2	23.98	23.7	**0.28**
										256-QAM	4	22.24	21.7	**0.54**
10				15	39725	2503.5	75	0	4	QPSK	0	24.28	23.7	**0.58**
										16-QAM	1	23.26	22.7	**0.56**
										64-QAM	2	22.11	21.7	**0.41**
										256-QAM	4	20.19	19.7	**0.49**
11				15	39725	2503.5	50	15	3	QPSK	0	25.05	24.7	**0.35**
										16-QAM	1	24.17	23.7	**0.47**
										64-QAM	2	23.17	22.7	**0.47**
										256-QAM	4	21.16	20.7	**0.46**
12				15	39725	2503.5	1	60	0	QPSK	0	28.64	27.7	**0.94**
										16-QAM	1	27.99	26.7	**1.29**
										64-QAM	2	27.42	25.7	**1.72**
										256-QAM	4	24.33	23.7	**0.63**
13				20	39750	2506	1	0	5	QPSK	0	23.26	22.7	**0.56**
										16-QAM	1	23.54	21.7	**1.84**
										64-QAM	2	21.25	20.7	**0.55**
										256-QAM	4	19.44	18.7	**0.74**
14				20	39750	2506	20	0	2	QPSK	0	26.13	25.7	**0.43**
										16-QAM	1	25.09	24.7	**0.39**
										64-QAM	2	24.23	23.7	**0.53**
										256-QAM	4	22.08	21.7	**0.38**
15				20	39750	2506	100	0	4	QPSK	0	24.16	23.7	**0.46**
										16-QAM	1	23.03	22.7	**0.33**
										64-QAM	2	22.02	21.7	**0.32**
										256-QAM	4	20.14	19.7	**0.44**
16				20	39750	2506	75	24	3	QPSK	0	25.05	24.7	**0.35**
										16-QAM	1	24.26	23.7	**0.56**
										64-QAM	2	23.02	22.7	**0.32**
										256-QAM	4	21.05	20.7	**0.35**
17				20	39750	2506	1	77	0	QPSK	0	28.70	27.7	**1.00**
										16-QAM	1	28.29	26.7	**1.59**
										64-QAM	2	27.34	25.7	**1.64**
										256-QAM	4	24.63	23.7	**0.93**
18	01	311	490	5	39675	2498.5	1	0	3	QPSK	0	25.40	24.7	**0.70**
										16-QAM	1	24.35	23.7	**0.65**
										64-QAM	2	24.40	22.7	**1.70**
										256-QAM	4	21.28	20.7	**0.58**
19	01	001	01	5	39675	2498.5	1	0	0	QPSK	0	28.65	27.7	**0.95**
										16-QAM	1	28.29	26.7	**1.59**
										64-QAM	2	27.87	25.7	**2.17**
										256-QAM	4	24.31	23.7	**0.61**

Table 7-2. A-MPR Conducted Power Measurements

7.6 Radiated Power (EIRP)

§27.50(a)(3), §27.50(h)(2)

Test Overview

Equivalent Isotropic Radiated Power (EIRP) measurements are calculated by adding highest antenna gain to maximum measured conducted output power. All measurements are performed as RMS average measurements while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies.

Test Procedures Used

KDB 971168 D01 v03r01 – Section 5.2.1

ANSI C63.26-2015 – Section 5.2.5.5

Test Settings

The relevant equation for determining the ERP or EIRP from the conducted RF output power measured is:

EIRP = PMeas – LC + GT

Where:

EIRP = Equivalent Isotropic Radiated Power (expressed in the same units as PMeas, typically dBW or dBm)

PMeas = measured transmitter output power or PSD, in dBW or dBm

LC = signal attenuation in the connecting cable between the transmitter and antenna in dB

GT = gain of the transmitting antenna, in dBi (EIRP)

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

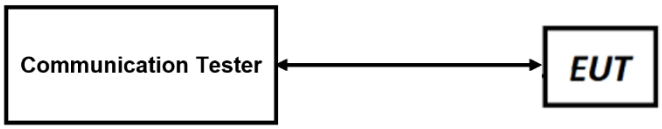


Figure 7-5. EIRP Measurement Setup

Test Notes

1. The EUT was tested in all possible test configurations. The worst case emissions are reported with the EUT modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.

2. This unit was tested with its standard battery.

3. The Level (dBm) readings in the table were taken with a correction table loaded into the base station simulator. The correction table was used to account for the signal attenuation in the connecting cable between the transmitter and antenna.

4. Uplink carrier aggregation for LTE Band 7 is only supported in this EUT while operating in Power Class 3.
5. Uplink carrier aggregation for LTE Band 41 is supported in this EUT while operating in Power Class 2 and Power Class 3.

6. For ULCA, conducted power measurements were evaluated for the two contiguous channels using various combinations of RB size, RB offset, modulation, and channel bandwidth. Channel bandwidth data is shown in the tables below based only on the channel bandwidths that were supported in this device.

7. For ULCA, compliance with the applicable limits is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater for frequencies less than 1 GHz and 1 MHz or greater for frequencies greater than 1 GHz.

7.6.1 Antenna 4b - EIRP

LTE-Band 30

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [W]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2307.5	-0.30	1 / 12	23.70	23.40	0.219	23.98	-0.58
		2310.0	-0.30	1 / 24	23.73	**23.43**	0.220	23.98	-0.55
		2312.5	-0.30	1 / 12	23.69	23.39	0.218	23.98	-0.59
	16-QAM	2307.5	-0.30	1 / 12	22.79	22.49	0.177	23.98	-1.49
	64-QAM	2307.5	-0.30	1 / 12	21.78	21.48	0.141	23.98	-2.50
	256-QAM	2312.5	-0.30	1 / 0	18.90	18.60	0.072	23.98	-5.38
10 MHz	QPSK	2310.0	-0.30	1 / 0	23.63	**23.33**	0.215	23.98	-0.65
	16-QAM	2310.0	-0.30	1 / 25	22.71	22.41	0.174	23.98	-1.57
	64-QAM	2310.0	-0.30	1 / 25	21.79	21.49	0.141	23.98	-2.49
	256-QAM	2310.0	-0.30	1 / 25	18.80	18.50	0.071	23.98	-5.48

Table 7-3. Antenna 4b EIRP Data (LTE Band 30)

LTE-Band 7

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [W]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2502.5	-1.30	1 / 24	25.10	**23.80**	0.240	33.01	-9.21
		2535.0	-1.30	1 / 0	25.13	23.83	0.242	33.01	-9.18
		2567.5	-1.30	1 / 0	25.13	23.83	0.242	33.01	-9.18
	16-QAM	2502.5	-1.30	1 / 24	24.27	22.97	0.198	33.01	-10.04
	64-QAM	2502.5	-1.30	1 / 0	23.32	22.02	0.159	33.01	-10.99
	256-QAM	2567.5	-1.30	1 / 12	20.40	19.10	0.081	33.01	-13.91
10 MHz	QPSK	2505.0	-1.30	1 / 49	25.05	23.75	0.237	33.01	-9.26
		2535.0	-1.30	1 / 0	25.25	**23.95**	0.248	33.01	-9.06
		2565.0	-1.30	1 / 49	25.00	23.70	0.234	33.01	-9.31
	16-QAM	2505.0	-1.30	1 / 0	24.10	22.80	0.191	33.01	-10.21
	64-QAM	2505.0	-1.30	1 / 0	23.24	21.94	0.156	33.01	-11.07
	256-QAM	2565.0	-1.30	1 / 49	20.34	19.04	0.080	33.01	-13.97
15 MHz	QPSK	2507.5	-1.30	1 / 0	25.17	**23.87**	0.244	33.01	-9.14
		2535.0	-1.30	1 / 74	25.04	23.74	0.237	33.01	-9.27
		2562.5	-1.30	1 / 74	25.17	**23.87**	0.244	33.01	-9.14
	16-QAM	2507.5	-1.30	1 / 37	24.27	22.97	0.198	33.01	-10.04
	64-QAM	2535.0	-1.30	1 / 37	23.26	21.96	0.157	33.01	-11.05
	256-QAM	2562.5	-1.30	1 / 37	20.31	19.01	0.080	33.01	-14.00
20 MHz	QPSK	2510.0	-1.30	1 / 99	25.30	**24.00**	0.251	33.01	-9.01
		2535.0	-1.30	1 / 0	25.11	23.81	0.240	33.01	-9.20
		2560.0	-1.30	1 / 0	25.25	23.95	0.248	33.01	-9.06
	16-QAM	2510.0	-1.30	1 / 50	24.31	23.01	0.200	33.01	-10.00
	64-QAM	2535.0	-1.30	1 / 50	23.25	21.95	0.157	33.01	-11.06
	256-QAM	2560.0	-1.30	1 / 99	20.44	19.14	0.082	33.01	-13.87

Table 7-4. Antenna 4b EIRP Data (LTE Band 7)

LTE-Band 41 (PC2)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [W]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2498.5	-1.70	1 / 12	27.09	**25.39**	0.346	33.01	-7.62
		2593.0	-1.70	1 / 12	27.30	25.60	0.363	33.01	-7.41
		2687.5	-1.70	1 / 24	27.14	25.44	0.350	33.01	-7.57
	16-QAM	2498.5	-1.70	1 / 24	26.35	24.65	0.292	33.01	-8.36
	64-QAM	2593.0	-1.70	1 / 0	25.29	23.59	0.229	33.01	-9.42
	256-QAM	2687.5	-1.70	1 / 0	22.43	20.73	0.118	33.01	-12.28
10 MHz	QPSK	2501.0	-1.70	1 / 49	27.21	25.51	0.356	33.01	-7.50
		2593.0	-1.70	1 / 0	27.05	25.35	0.343	33.01	-7.66
		2685.0	-1.70	1 / 49	27.30	**25.60**	0.363	33.01	-7.41
	16-QAM	2593.0	-1.70	1 / 49	26.27	24.57	0.286	33.01	-8.44
	64-QAM	2685.0	-1.70	1 / 49	25.26	23.56	0.227	33.01	-9.45
	256-QAM	2685.0	-1.70	1 / 25	22.39	20.69	0.117	33.01	-12.32
15 MHz	QPSK	2503.5	-1.70	1 / 74	27.24	25.54	0.358	33.01	-7.47
		2593.0	-1.70	1 / 0	27.29	**25.59**	0.362	33.01	-7.42
		2682.5	-1.70	1 / 37	27.14	25.44	0.350	33.01	-7.57
	16-QAM	2593.0	-1.70	1 / 37	26.34	24.64	0.291	33.01	-8.37
	64-QAM	2503.5	-1.70	1 / 37	25.30	23.60	0.229	33.01	-9.41
	256-QAM	2503.5	-1.70	1 / 37	22.35	20.65	0.116	33.01	-12.36
20 MHz	QPSK	2506.0	-1.70	1 / 99	27.09	25.39	0.346	33.01	-7.62
		2593.0	-1.70	1 / 50	27.29	**25.59**	0.362	33.01	-7.42
		2680.0	-1.70	1 / 0	27.20	25.50	0.355	33.01	-7.51
	16-QAM	2506.0	-1.70	1 / 0	26.26	24.56	0.286	33.01	-8.45
	64-QAM	2593.0	-1.70	1 / 99	25.31	23.61	0.230	33.01	-9.40
	256-QAM	2593.0	-1.70	1 / 0	22.39	20.69	0.117	33.01	-12.32

Table 7-5. Antenna 4b EIRP Data (LTE Band 41(PC2))

LTE-Band 41 (PC3)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [W]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2498.5	-1.70	1 / 12	25.70	**24.00**	0.251	33.01	-9.01
		2593.0	-1.70	1 / 0	25.59	23.89	0.245	33.01	-9.12
		2687.5	-1.70	1 / 12	25.59	23.89	0.245	33.01	-9.12
	16-QAM	2498.5	-1.70	1 / 24	24.68	22.98	0.199	33.01	-10.03
	64-QAM	2593.0	-1.70	1 / 12	23.72	22.02	0.159	33.01	-10.99
	256-QAM	2498.5	-1.70	1 / 24	20.83	19.13	0.082	33.01	-13.88
10 MHz	QPSK	2501.0	-1.70	1 / 0	25.57	**23.87**	0.244	33.01	-9.14
		2593.0	-1.70	1 / 49	25.49	23.79	0.239	33.01	-9.22
		2685.0	-1.70	1 / 0	25.47	23.77	0.238	33.01	-9.24
	16-QAM	2593.0	-1.70	1 / 25	24.73	23.03	0.201	33.01	-9.98
	64-QAM	2593.0	-1.70	1 / 49	23.64	21.94	0.156	33.01	-11.07
	256-QAM	2685.0	-1.70	1 / 0	20.78	19.08	0.081	33.01	-13.93
15 MHz	QPSK	2503.5	-1.70	1 / 0	25.57	23.87	0.244	33.01	-9.14
		2593.0	-1.70	1 / 37	25.56	23.86	0.243	33.01	-9.15
		2682.5	-1.70	1 / 37	25.70	**24.00**	0.251	33.01	-9.01
	16-QAM	2503.5	-1.70	1 / 0	24.68	22.98	0.199	33.01	-10.03
	64-QAM	2682.5	-1.70	1 / 0	23.66	21.96	0.157	33.01	-11.05
	256-QAM	2682.5	-1.70	1 / 74	20.79	19.09	0.081	33.01	-13.92
20 MHz	QPSK	2506.0	-1.70	1 / 50	25.60	23.90	0.245	33.01	-9.11
		2593.0	-1.70	1 / 99	25.70	**24.00**	0.251	33.01	-9.01
		2680.0	-1.70	1 / 50	25.39	23.69	0.234	33.01	-9.32
	16-QAM	2593.0	-1.70	1 / 99	24.66	22.96	0.198	33.01	-10.05
	64-QAM	2680.0	-1.70	1 / 99	23.69	21.99	0.158	33.01	-11.02
	256-QAM	2593.0	-1.70	1 / 50	20.81	19.11	0.081	33.01	-13.90

Table 7-6. Antenna 4b EIRP Data (LTE Band 41(PC3))

NR Band n30

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [W]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	2307.5	-0.30	1 / 12	23.73	**23.43**	0.220	23.98	-0.55
		2310.0	-0.30	1 / 1	23.72	23.42	0.220	23.98	-0.56
		2312.5	-0.30	1 / 1	23.80	**23.50**	0.224	23.98	-0.48
	QPSK	2307.5	-0.30	1 / 12	23.73	23.43	0.220	23.98	-0.55
		2310.0	-0.30	1 / 23	23.72	23.42	0.220	23.98	-0.56
		2312.5	-0.30	1 / 12	23.56	23.26	0.212	23.98	-0.72
	16-QAM	2310.0	-0.30	1 / 12	22.74	22.44	0.175	23.98	-1.54
	64-QAM	2310.0	-0.30	1 / 23	21.74	21.44	0.139	23.98	-2.54
	256-QAM	2307.5	-0.30	1 / 1	18.90	18.60	0.072	23.98	-5.38
10 MHz	π/2 BPSK	2310.0	-0.30	1 / 1	23.76	**23.46**	0.222	23.98	-0.52
	QPSK	2310.0	-0.30	1 / 1	23.70	23.40	0.219	23.98	-0.58
	16-QAM	2310.0	-0.30	1 / 50	22.47	22.17	0.165	23.98	-1.81
	64-QAM	2310.0	-0.30	1 / 1	21.79	21.49	0.141	23.98	-2.49
	256-QAM	2310.0	-0.30	1 / 25	18.56	18.26	0.067	23.98	-5.72

Table 7-7. Antenna 4b EIRP Data (NR Band n30)

NR Band n7

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [W]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	2502.5	-1.30	1 / 1	25.20	**23.90**	0.245	33.01	-9.11
		2535.0	-1.30	1 / 1	25.30	**24.00**	0.251	33.01	-9.01
		2567.5	-1.30	1 / 23	25.20	23.90	0.245	33.01	-9.11
	QPSK	2502.5	-1.30	1 / 12	25.19	23.89	0.245	33.01	-9.12
		2535.0	-1.30	1 / 1	25.20	23.90	0.245	33.01	-9.11
		2567.5	-1.30	1 / 1	25.19	23.89	0.245	33.01	-9.12
	16-QAM	2567.5	-1.30	1 / 23	24.35	23.05	0.202	33.01	-9.96
	64-QAM	2567.5	-1.30	1 / 12	23.25	21.95	0.157	33.01	-11.06
	256-QAM	2502.5	-1.30	1 / 23	20.43	19.13	0.082	33.01	-13.88
10 MHz	π/2 BPSK	2505.0	-1.30	1 / 1	25.19	23.89	0.245	33.01	-9.12
		2535.0	-1.30	1 / 1	25.03	23.73	0.236	33.01	-9.28
		2565.0	-1.30	1 / 50	25.17	23.87	0.244	33.01	-9.14
	QPSK	2505.0	-1.30	1 / 1	25.25	23.95	0.248	33.01	-9.06
		2535.0	-1.30	1 / 25	25.30	**24.00**	0.251	33.01	-9.01
		2565.0	-1.30	1 / 1	25.23	23.93	0.247	33.01	-9.08
	16-QAM	2565.0	-1.30	1 / 50	24.33	23.03	0.201	33.01	-9.98
	64-QAM	2505.0	-1.30	1 / 1	23.28	21.98	0.158	33.01	-11.03
	256-QAM	2535.0	-1.30	1 / 50	20.41	19.11	0.081	33.01	-13.90
15 MHz	π/2 BPSK	2507.5	-1.30	1 / 77	25.24	23.94	0.248	33.01	-9.07
		2535.0	-1.30	1 / 37	25.13	23.83	0.242	33.01	-9.18
		2562.5	-1.30	1 / 77	25.10	23.80	0.240	33.01	-9.21
	QPSK	2507.5	-1.30	1 / 37	25.25	23.95	0.248	33.01	-9.06
		2535.0	-1.30	1 / 77	25.30	**24.00**	0.251	33.01	-9.01
		2562.5	-1.30	1 / 1	25.24	23.94	0.248	33.01	-9.07
	16-QAM	2535.0	-1.30	1 / 1	24.31	23.01	0.200	33.01	-10.00
	64-QAM	2535.0	-1.30	1 / 77	23.29	21.99	0.158	33.01	-11.02
	256-QAM	2507.5	-1.30	1 / 1	20.40	19.10	0.081	33.01	-13.91
20 MHz	π/2 BPSK	2510.0	-1.30	1 / 104	25.00	23.70	0.234	33.01	-9.31
		2535.0	-1.30	1 / 104	25.12	23.82	0.241	33.01	-9.19
		2560.0	-1.30	1 / 104	25.19	23.89	0.245	33.01	-9.12
	QPSK	2510.0	-1.30	1 / 1	25.23	23.93	0.247	33.01	-9.08
		2535.0	-1.30	1 / 104	25.29	23.99	0.251	33.01	-9.02
		2560.0	-1.30	1 / 1	25.30	**24.00**	0.251	33.01	-9.01
	16-QAM	2560.0	-1.30	1 / 104	24.22	22.92	0.196	33.01	-10.09
	64-QAM	2510.0	-1.30	1 / 50	23.26	21.96	0.157	33.01	-11.05
	256-QAM	2535.0	-1.30	1 / 1	20.34	19.04	0.080	33.01	-13.97
25 MHz	π/2 BPSK	2512.5	-1.30	1 / 1	25.25	23.95	0.248	33.01	-9.06
		2535.0	-1.30	1 / 66	25.18	23.88	0.244	33.01	-9.13
		2557.5	-1.30	1 / 131	25.15	23.85	0.243	33.01	-9.16
	QPSK	2512.5	-1.30	1 / 66	25.16	23.86	0.243	33.01	-9.15
		2535.0	-1.30	1 / 66	25.30	**24.00**	0.251	33.01	-9.01
		2557.5	-1.30	1 / 66	25.01	23.71	0.235	33.01	-9.30
	16-QAM	2512.5	-1.30	1 / 66	24.19	22.89	0.195	33.01	-10.12
	64-QAM	2557.5	-1.30	1 / 66	23.27	21.97	0.157	33.01	-11.04
	256-QAM	2557.5	-1.30	1 / 1	20.34	19.04	0.080	33.01	-13.97
30 MHz	π/2 BPSK	2515.0	-1.30	1 / 158	25.30	**24.00**	0.251	33.01	-9.01
		2535.0	-1.30	1 / 1	25.21	23.91	0.246	33.01	-9.10
		2555.0	-1.30	1 / 1	25.30	**24.00**	0.251	33.01	-9.01
	QPSK	2515.0	-1.30	1 / 158	25.30	**24.00**	0.251	33.01	-9.01
		2535.0	-1.30	1 / 158	25.24	23.94	0.248	33.01	-9.07
		2555.0	-1.30	1 / 1	25.23	23.93	0.247	33.01	-9.08
	16-QAM	2535.0	-1.30	1 / 1	24.06	22.76	0.189	33.01	-10.25
	64-QAM	2515.0	-1.30	1 / 80	23.32	22.02	0.159	33.01	-10.99
	256-QAM	2555.0	-1.30	1 / 1	20.41	19.11	0.081	33.01	-13.90
35 MHz	π/2 BPSK	2517.5	-1.30	1 / 1	24.99	23.69	0.234	33.01	-9.32
		2535.0	-1.30	1 / 186	25.18	23.88	0.244	33.01	-9.13
		2552.5	-1.30	1 / 1	25.09	23.79	0.239	33.01	-9.22
	QPSK	2517.5	-1.30	1 / 186	25.30	**24.00**	0.251	33.01	-9.01
		2535.0	-1.30	1 / 186	25.03	23.73	0.236	33.01	-9.28
		2552.5	-1.30	1 / 1	25.06	23.76	0.238	33.01	-9.25
	16-QAM	2535.0	-1.30	1 / 186	24.32	23.02	0.200	33.01	-9.99
	64-QAM	2552.5	-1.30	1 / 1	23.31	22.01	0.159	33.01	-11.00
	256-QAM	2535.0	-1.30	1 / 1	20.37	19.07	0.081	33.01	-13.94
40 MHz	π/2 BPSK	2520.0	-1.30	1 / 108	25.28	23.98	0.250	33.01	-9.03
		2535.0	-1.30	1 / 108	25.07	23.77	0.238	33.01	-9.24
		2550.0	-1.30	1 / 1	25.24	23.94	0.248	33.01	-9.07
	QPSK	2520.0	-1.30	1 / 1	25.12	23.82	0.241	33.01	-9.19
		2535.0	-1.30	1 / 108	25.30	**24.00**	0.251	33.01	-9.01
		2550.0	-1.30	1 / 1	25.12	23.82	0.241	33.01	-9.19
	16-QAM	2535.0	-1.30	1 / 108	24.21	22.91	0.195	33.01	-10.10
	64-QAM	2520.0	-1.30	1 / 108	23.30	22.00	0.158	33.01	-11.01
	256-QAM	2550.0	-1.30	1 / 214	20.39	19.09	0.081	33.01	-13.92

Table 7-8. Antenna 4b EIRP Data (NR Band n7)

NR Band n41(PC2)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [W]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	2501.0	-1.70	1 / 22	27.15	**25.45**	0.351	33.01	-7.56
		2593.0	-1.70	1 / 1	27.08	25.38	0.345	33.01	-7.63
		2685.0	-1.70	1 / 22	26.99	25.29	0.338	33.01	-7.72
	QPSK	2501.0	-1.70	1 / 12	27.30	**25.60**	0.363	33.01	-7.41
		2593.0	-1.70	1 / 22	27.20	25.50	0.355	33.01	-7.51
		2685.0	-1.70	1 / 1	27.28	25.58	0.361	33.01	-7.43
	16-QAM	2501.0	-1.70	1 / 1	26.31	24.61	0.289	33.01	-8.40
	64-QAM	2501.0	-1.70	1 / 22	25.32	23.62	0.230	33.01	-9.39
	256-QAM	2501.0	-1.70	1 / 22	22.36	20.66	0.116	33.01	-12.35
15 MHz	π/2 BPSK	2503.5	-1.70	1 / 1	27.01	**25.31**	0.340	33.01	-7.70
		2593.0	-1.70	1 / 1	27.07	25.37	0.344	33.01	-7.64
		2682.5	-1.70	1 / 1	26.97	25.27	0.337	33.01	-7.74
	QPSK	2503.5	-1.70	1 / 19	27.13	25.43	0.349	33.01	-7.58
		2593.0	-1.70	1 / 1	27.21	**25.51**	0.356	33.01	-7.50
		2682.5	-1.70	1 / 19	26.95	25.25	0.335	33.01	-7.76
	16-QAM	2503.5	-1.70	1 / 1	26.24	24.54	0.284	33.01	-8.47
	64-QAM	2682.5	-1.70	1 / 19	25.28	23.58	0.228	33.01	-9.43
	256-QAM	2503.5	-1.70	1 / 1	22.39	20.69	0.117	33.01	-12.32
20 MHz	π/2 BPSK	2506.0	-1.70	1 / 49	27.30	**25.60**	0.363	33.01	-7.41
		2593.0	-1.70	1 / 1	27.07	25.37	0.344	33.01	-7.64
		2680.0	-1.70	1 / 25	27.29	25.59	0.362	33.01	-7.42
	QPSK	2506.0	-1.70	1 / 25	27.20	25.50	0.355	33.01	-7.51
		2593.0	-1.70	1 / 25	27.12	25.42	0.348	33.01	-7.59
		2680.0	-1.70	1 / 1	27.30	**25.60**	0.363	33.01	-7.41
	16-QAM	2593.0	-1.70	1 / 49	26.25	24.55	0.285	33.01	-8.46
	64-QAM	2506.0	-1.70	1 / 25	25.28	23.58	0.228	33.01	-9.43
	256-QAM	2680.0	-1.70	1 / 49	22.41	20.71	0.118	33.01	-12.30
30 MHz	π/2 BPSK	2511.0	-1.70	1 / 39	27.30	**25.60**	0.363	33.01	-7.41
		2593.0	-1.70	1 / 76	27.21	25.51	0.356	33.01	-7.50
		2675.0	-1.70	1 / 76	27.15	25.45	0.351	33.01	-7.56
	QPSK	2511.0	-1.70	1 / 39	27.17	25.47	0.352	33.01	-7.54
		2593.0	-1.70	1 / 39	27.22	25.52	0.356	33.01	-7.49
		2675.0	-1.70	1 / 76	27.00	25.30	0.339	33.01	-7.71
	16-QAM	2675.0	-1.70	1 / 1	26.28	24.58	0.287	33.01	-8.43
	64-QAM	2675.0	-1.70	1 / 1	25.24	23.54	0.226	33.01	-9.47
	256-QAM	2511.0	-1.70	1 / 39	22.43	20.73	0.118	33.01	-12.28
40 MHz	π/2 BPSK	2516.0	-1.70	1 / 1	27.20	25.50	0.355	33.01	-7.51
		2593.0	-1.70	1 / 53	27.22	25.52	0.356	33.01	-7.49
		2670.0	-1.70	1 / 53	27.13	25.43	0.349	33.01	-7.58
	QPSK	2516.0	-1.70	1 / 53	27.27	25.57	0.361	33.01	-7.44
		2593.0	-1.70	1 / 1	27.28	25.58	0.361	33.01	-7.43
		2670.0	-1.70	1 / 1	27.30	**25.60**	0.363	33.01	-7.41
	16-QAM	2670.0	-1.70	1 / 53	26.19	24.49	0.281	33.01	-8.52
	64-QAM	2670.0	-1.70	1 / 1	25.25	23.55	0.226	33.01	-9.46
	256-QAM	2593.0	-1.70	1 / 104	22.35	20.65	0.116	33.01	-12.36
50 MHz	π/2 BPSK	2521.0	-1.70	1 / 1	27.26	25.56	0.360	33.01	-7.45
		2593.0	-1.70	1 / 66	27.18	25.48	0.353	33.01	-7.53
		2665.0	-1.70	1 / 131	27.09	25.39	0.346	33.01	-7.62
	QPSK	2521.0	-1.70	1 / 1	27.30	**25.60**	0.363	33.01	-7.41
		2593.0	-1.70	1 / 131	27.23	25.53	0.357	33.01	-7.48
		2665.0	-1.70	1 / 131	27.07	25.37	0.344	33.01	-7.64
	16-QAM	2593.0	-1.70	1 / 1	26.23	24.53	0.284	33.01	-8.48
	64-QAM	2521.0	-1.70	1 / 1	25.26	23.56	0.227	33.01	-9.45
	256-QAM	2521.0	-1.70	1 / 131	22.38	20.68	0.117	33.01	-12.33
60 MHz	π/2 BPSK	2526.0	-1.70	1 / 1	27.05	25.35	0.343	33.01	-7.66
		2593.0	-1.70	1 / 81	27.29	**25.59**	0.362	33.01	-7.42
		2660.0	-1.70	1 / 81	27.17	25.47	0.352	33.01	-7.54
	QPSK	2526.0	-1.70	1 / 81	27.29	**25.59**	0.362	33.01	-7.42
		2593.0	-1.70	1 / 81	27.27	25.57	0.361	33.01	-7.44
		2660.0	-1.70	1 / 1	27.09	25.39	0.346	33.01	-7.62
	16-QAM	2593.0	-1.70	1 / 81	26.28	24.58	0.287	33.01	-8.43
	64-QAM	2526.0	-1.70	1 / 1	25.25	23.55	0.226	33.01	-9.46
	256-QAM	2526.0	-1.70	1 / 81	22.33	20.63	0.116	33.01	-12.38
70 MHz	π/2 BPSK	2531.0	-1.70	1 / 1	27.20	25.50	0.355	33.01	-7.51
		2593.0	-1.70	1 / 187	27.27	25.57	0.361	33.01	-7.44
		2655.0	-1.70	1 / 90	27.05	25.35	0.343	33.01	-7.66
	QPSK	2531.0	-1.70	1 / 90	27.10	25.40	0.347	33.01	-7.61
		2593.0	-1.70	1 / 1	27.27	25.57	0.361	33.01	-7.44
		2655.0	-1.70	1 / 187	27.30	**25.60**	0.363	33.01	-7.41
	16-QAM	2655.0	-1.70	1 / 90	26.30	24.60	0.288	33.01	-8.41
	64-QAM	2593.0	-1.70	1 / 90	25.15	23.45	0.221	33.01	-9.56
	256-QAM	2593.0	-1.70	1 / 1	22.34	20.64	0.116	33.01	-12.37
80 MHz	π/2 BPSK	2536.0	-1.70	1 / 215	27.24	25.54	0.358	33.01	-7.47
		2593.0	-1.70	1 / 1	27.15	25.45	0.351	33.01	-7.56
		2650.0	-1.70	1 / 108	27.27	25.57	0.361	33.01	-7.44
	QPSK	2536.0	-1.70	1 / 215	27.29	25.59	0.362	33.01	-7.42
		2593.0	-1.70	1 / 108	27.19	25.49	0.354	33.01	-7.52
		2650.0	-1.70	1 / 1	27.30	**25.60**	0.363	33.01	-7.41
	16-QAM	2536.0	-1.70	1 / 1	26.29	24.59	0.288	33.01	-8.42
	64-QAM	2650.0	-1.70	1 / 1	25.31	23.61	0.230	33.01	-9.40
	256-QAM	2650.0	-1.70	1 / 1	22.34	20.64	0.116	33.01	-12.37
90 MHz	π/2 BPSK	2541.0	-1.70	1 / 122	26.95	25.25	0.335	33.01	-7.76
		2593.0	-1.70	1 / 243	27.30	**25.60**	0.363	33.01	-7.41
		2645.0	-1.70	1 / 1	27.22	25.52	0.356	33.01	-7.49
	QPSK	2541.0	-1.70	1 / 1	26.90	25.20	0.331	33.01	-7.81
		2593.0	-1.70	1 / 122	27.20	25.50	0.355	33.01	-7.51
		2645.0	-1.70	1 / 1	26.86	25.16	0.328	33.01	-7.85
	16-QAM	2541.0	-1.70	1 / 1	26.19	24.49	0.281	33.01	-8.52
	64-QAM	2541.0	-1.70	1 / 122	25.28	23.58	0.228	33.01	-9.43
	256-QAM	2593.0	-1.70	1 / 1	22.36	20.66	0.116	33.01	-12.35
100 MHz	π/2 BPSK	2546.0	-1.70	1 / 271	27.30	**25.60**	0.363	33.01	-7.41
		2593.0	-1.70	1 / 1	27.19	25.49	0.354	33.01	-7.52
		2640.0	-1.70	1 / 1	27.28	25.58	0.361	33.01	-7.43
	QPSK	2546.0	-1.70	1 / 135	27.26	25.56	0.360	33.01	-7.45
		2593.0	-1.70	1 / 271	27.12	25.42	0.348	33.01	-7.59
		2640.0	-1.70	1 / 1	27.30	**25.60**	0.363	33.01	-7.41
	16-QAM	2640.0	-1.70	1 / 1	26.33	24.63	0.290	33.01	-8.38
	64-QAM	2593.0	-1.70	1 / 271	25.33	23.63	0.231	33.01	-9.38
	256-QAM	2593.0	-1.70	1 / 271	22.34	20.64	0.116	33.01	-12.37

Table 7-9. Antenna 4b EIRP Data (NR Band n41(PC2))

NR Band n41(PC3)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [W]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	2501.0	-1.70	1 / 12	25.45	**23.75**	0.237	33.01	-9.26
		2593.0	-1.70	1 / 1	25.50	23.80	0.240	33.01	-9.21
		2685.0	-1.70	1 / 1	25.68	**23.98**	0.250	33.01	-9.03
	QPSK	2501.0	-1.70	1 / 1	25.50	23.80	0.240	33.01	-9.21
		2593.0	-1.70	1 / 22	25.66	23.96	0.249	33.01	-9.05
		2685.0	-1.70	1 / 1	25.54	23.84	0.242	33.01	-9.17
	16-QAM	2593.0	-1.70	1 / 22	24.68	22.98	0.199	33.01	-10.03
	64-QAM	2593.0	-1.70	1 / 12	23.60	21.90	0.155	33.01	-11.11
	256-QAM	2685.0	-1.70	1 / 1	20.70	19.00	0.079	33.01	-14.01
15 MHz	π/2 BPSK	2503.5	-1.70	1 / 1	25.56	**23.86**	0.243	33.01	-9.15
		2593.0	-1.70	1 / 1	25.65	23.95	0.248	33.01	-9.06
		2682.5	-1.70	1 / 36	25.70	**24.00**	0.251	33.01	-9.01
	QPSK	2503.5	-1.70	1 / 36	25.55	23.85	0.243	33.01	-9.16
		2593.0	-1.70	1 / 1	25.70	**24.00**	0.251	33.01	-9.01
		2682.5	-1.70	1 / 36	25.57	23.87	0.244	33.01	-9.14
	16-QAM	2593.0	-1.70	1 / 36	24.72	23.02	0.200	33.01	-9.99
	64-QAM	2503.5	-1.70	1 / 1	23.67	21.97	0.157	33.01	-11.04
	256-QAM	2682.5	-1.70	1 / 36	20.78	19.08	0.081	33.01	-13.93
20 MHz	π/2 BPSK	2506.0	-1.70	1 / 49	25.46	**23.76**	0.238	33.01	-9.25
		2593.0	-1.70	1 / 1	25.45	23.75	0.237	33.01	-9.26
		2680.0	-1.70	1 / 49	25.51	23.81	0.240	33.01	-9.20
	QPSK	2506.0	-1.70	1 / 49	25.44	23.74	0.237	33.01	-9.27
		2593.0	-1.70	1 / 49	25.70	**24.00**	0.251	33.01	-9.01
		2680.0	-1.70	1 / 1	25.50	23.80	0.240	33.01	-9.21
	16-QAM	2506.0	-1.70	1 / 49	24.77	23.07	0.203	33.01	-9.94
	64-QAM	2680.0	-1.70	1 / 25	23.73	22.03	0.160	33.01	-10.98
	256-QAM	2506.0	-1.70	1 / 49	20.83	19.13	0.082	33.01	-13.88
30 MHz	π/2 BPSK	2511.0	-1.70	1 / 39	25.60	23.90	0.245	33.01	-9.11
		2593.0	-1.70	1 / 39	25.63	23.93	0.247	33.01	-9.08
		2675.0	-1.70	1 / 1	25.66	**23.96**	0.249	33.01	-9.05
	QPSK	2511.0	-1.70	1 / 1	25.65	23.95	0.248	33.01	-9.06
		2593.0	-1.70	1 / 39	25.64	23.94	0.248	33.01	-9.07
		2675.0	-1.70	1 / 1	25.63	23.93	0.247	33.01	-9.08
	16-QAM	2511.0	-1.70	1 / 39	24.64	22.94	0.197	33.01	-10.07
	64-QAM	2675.0	-1.70	1 / 39	23.77	22.07	0.161	33.01	-10.94
	256-QAM	2511.0	-1.70	1 / 39	20.81	19.11	0.081	33.01	-13.90
40 MHz	π/2 BPSK	2516.0	-1.70	1 / 53	25.54	23.84	0.242	33.01	-9.17
		2593.0	-1.70	1 / 53	25.64	23.94	0.248	33.01	-9.07
		2670.0	-1.70	1 / 104	25.65	**23.95**	0.248	33.01	-9.06
	QPSK	2516.0	-1.70	1 / 53	25.38	23.68	0.233	33.01	-9.33
		2593.0	-1.70	1 / 53	25.58	23.88	0.244	33.01	-9.13
		2670.0	-1.70	1 / 104	25.60	23.90	0.245	33.01	-9.11
	16-QAM	2516.0	-1.70	1 / 53	24.70	23.00	0.200	33.01	-10.01
	64-QAM	2516.0	-1.70	1 / 1	23.63	21.93	0.156	33.01	-11.08
	256-QAM	2593.0	-1.70	1 / 53	20.75	19.05	0.080	33.01	-13.96
50 MHz	π/2 BPSK	2521.0	-1.70	1 / 66	25.35	23.65	0.232	33.01	-9.36
		2593.0	-1.70	1 / 131	25.70	**24.00**	0.251	33.01	-9.01
		2665.0	-1.70	1 / 131	25.66	23.96	0.249	33.01	-9.05
	QPSK	2521.0	-1.70	1 / 66	25.52	23.82	0.241	33.01	-9.19
		2593.0	-1.70	1 / 131	25.69	23.99	0.251	33.01	-9.02
		2665.0	-1.70	1 / 131	25.65	23.95	0.248	33.01	-9.06
	16-QAM	2665.0	-1.70	1 / 131	24.56	22.86	0.193	33.01	-10.15
	64-QAM	2521.0	-1.70	1 / 66	23.72	22.02	0.159	33.01	-10.99
	256-QAM	2521.0	-1.70	1 / 66	20.76	19.06	0.081	33.01	-13.95
60 MHz	π/2 BPSK	2526.0	-1.70	1 / 160	25.54	23.84	0.242	33.01	-9.17
		2593.0	-1.70	1 / 160	25.65	23.95	0.248	33.01	-9.06
		2660.0	-1.70	1 / 1	25.70	**24.00**	0.251	33.01	-9.01
	QPSK	2526.0	-1.70	1 / 160	25.48	23.78	0.239	33.01	-9.23
		2593.0	-1.70	1 / 160	25.66	23.96	0.249	33.01	-9.05
		2660.0	-1.70	1 / 1	25.61	23.91	0.246	33.01	-9.10
	16-QAM	2660.0	-1.70	1 / 160	24.59	22.89	0.195	33.01	-10.12
	64-QAM	2526.0	-1.70	1 / 81	23.69	21.99	0.158	33.01	-11.02
	256-QAM	2526.0	-1.70	1 / 81	20.87	19.17	0.083	33.01	-13.84
70 MHz	π/2 BPSK	2531.0	-1.70	1 / 90	25.70	**24.00**	0.251	33.01	-9.01
		2593.0	-1.70	1 / 187	25.69	23.99	0.251	33.01	-9.02
		2655.0	-1.70	1 / 1	25.70	**24.00**	0.251	33.01	-9.01
	QPSK	2531.0	-1.70	1 / 187	25.42	23.72	0.236	33.01	-9.29
		2593.0	-1.70	1 / 90	25.63	23.93	0.247	33.01	-9.08
		2655.0	-1.70	1 / 187	25.69	23.99	0.251	33.01	-9.02
	16-QAM	2655.0	-1.70	1 / 187	24.65	22.95	0.197	33.01	-10.06
	64-QAM	2593.0	-1.70	1 / 90	23.65	21.95	0.157	33.01	-11.06
	256-QAM	2531.0	-1.70	1 / 187	20.78	19.08	0.081	33.01	-13.93
80 MHz	π/2 BPSK	2536.0	-1.70	1 / 108	25.58	23.88	0.244	33.01	-9.13
		2593.0	-1.70	1 / 1	25.69	23.99	0.251	33.01	-9.02
		2650.0	-1.70	1 / 108	25.70	**24.00**	0.251	33.01	-9.01
	QPSK	2536.0	-1.70	1 / 1	25.62	23.92	0.247	33.01	-9.09
		2593.0	-1.70	1 / 108	25.61	23.91	0.246	33.01	-9.10
		2650.0	-1.70	1 / 108	25.70	**24.00**	0.251	33.01	-9.01
	16-QAM	2593.0	-1.70	1 / 1	24.69	22.99	0.199	33.01	-10.02
	64-QAM	2536.0	-1.70	1 / 215	23.69	21.99	0.158	33.01	-11.02
	256-QAM	2536.0	-1.70	1 / 215	20.71	19.01	0.080	33.01	-14.00
90 MHz	π/2 BPSK	2541.0	-1.70	1 / 1	25.61	23.91	0.246	33.01	-9.10
		2593.0	-1.70	1 / 122	25.67	**23.97**	0.249	33.01	-9.04
		2645.0	-1.70	1 / 122	25.65	23.95	0.248	33.01	-9.06
	QPSK	2541.0	-1.70	1 / 1	25.62	23.92	0.247	33.01	-9.09
		2593.0	-1.70	1 / 122	25.51	23.81	0.240	33.01	-9.20
		2645.0	-1.70	1 / 1	25.63	23.93	0.247	33.01	-9.08
	16-QAM	2541.0	-1.70	1 / 122	24.58	22.88	0.194	33.01	-10.13
	64-QAM	2593.0	-1.70	1 / 243	23.77	22.07	0.161	33.01	-10.94
	256-QAM	2541.0	-1.70	1 / 243	20.73	19.03	0.080	33.01	-13.98
100 MHz	π/2 BPSK	2546.0	-1.70	1 / 271	25.70	**24.00**	0.251	33.01	-9.01
		2593.0	-1.70	1 / 135	25.70	**24.00**	0.251	33.01	-9.01
		2640.0	-1.70	1 / 271	25.47	23.77	0.238	33.01	-9.24
	QPSK	2546.0	-1.70	1 / 271	25.64	23.94	0.248	33.01	-9.07
		2593.0	-1.70	1 / 135	25.49	23.79	0.239	33.01	-9.22
		2640.0	-1.70	1 / 1	25.32	23.62	0.230	33.01	-9.39
	16-QAM	2546.0	-1.70	1 / 271	24.65	22.95	0.197	33.01	-10.06
	64-QAM	2546.0	-1.70	1 / 1	23.72	22.02	0.159	33.01	-10.99
	256-QAM	2593.0	-1.70	1 / 271	20.79	19.09	0.081	33.01	-13.92

Table 7-10. Antenna 4b EIRP Data (NR Band n41(PC3))

ULCA LTE Band 7

Power State	Band	Bandwidth (PCC + SCC)	PCC					SCC					ULCA Tx. Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [W]	EIRP Limit [dBm]	Margin [dB]
			Modulation	UL Channel	UL Frequency	UL # RB	UL RB Offset	Modulation	UL Channel	UL Frequency	UL # RB	UL RB Offset						
Max	LTE B7	20MHz + 20MHz	QPSK	20850	2510.0	1	99	QPSK	21048	2529.8	1	0	25.13	-1.30	23.83	0.242	33.01	-9.18
				21100	2535.0	1	99		21298	2554.8	1	0	25.27	-1.30	**23.97**	0.249	33.01	-9.04
				21350	2560.0	1	0		21152	2540.2	1	99	25.00	-1.30	23.70	0.234	33.01	-9.31
			QPSK	21100	2535	100	0	QPSK	21298	2554.8	100	0	23.60	-1.30	22.30	0.170	33.01	-10.71
			16-QAM	21100	2535	100	0	16-QAM	21298	2554.8	100	0	22.91	-1.30	**21.61**	0.145	33.01	-11.40
			64-QAM	21100	2535	100	0	64-QAM	21298	2554.8	100	0	21.56	-1.30	**20.26**	0.106	33.01	-12.75
			256-QAM	21100	2535	100	0	256-QAM	21298	2554.8	100	0	19.10	-1.30	**17.80**	0.060	33.01	-15.21

Table 7-11. Antenna 4b EIRP Data (ULCA LTE Band 7)

ULCA LTE Band 41 (PC2)

Power State	Band	Bandwidth (PCC + SCC)	PCC					SCC					ULCA Tx. Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [W]	EIRP Limit [dBm]	Margin [dB]
			Modulation	UL Channel	UL Frequency	UL # RB	UL RB Offset	Modulation	UL Channel	UL Frequency	UL # RB	UL RB Offset						
Max	LTE B41 (PC2)	20MHz + 20MHz	QPSK	39750	2506.0	1	99	QPSK	39948	2525.8	1	0	27.07	-1.70	25.37	0.344	33.01	-7.64
				39790	2510.0	1	99		39988	2529.8	1	0	27.11	-1.70	25.41	0.348	33.01	-7.60
				40620	2593.0	1	99		40818	2612.8	1	0	27.04	-1.70	25.34	0.342	33.01	-7.67
				41490	2680.0	1	0		41292	2660.2	1	99	27.24	-1.70	**25.54**	0.358	33.01	-7.47
			QPSK	41490	2680	100	0	QPSK	41292	2660.2	100	0	25.69	-1.70	23.99	0.251	33.01	-9.02
			16-QAM	41490	2680	100	0	16-QAM	41292	2660.2	100	0	25.30	-1.70	**23.60**	0.229	33.01	-9.41
			64-QAM	41490	2680	100	0	64-QAM	41292	2660.2	100	0	24.10	-1.70	**22.40**	0.174	33.01	-10.61
			256-QAM	41490	2680	100	0	256-QAM	41292	2660.2	100	0	21.43	-1.70	**19.73**	0.094	33.01	-13.28

Table 7-12. Antenna 4b EIRP Data (ULCA LTE Band 41 (PC2))

ULCA LTE Band 41 (PC3)

Power State	Band	Bandwidth (PCC + SCC)	PCC					SCC					ULCA Tx. Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [W]	EIRP Limit [dBm]	Margin [dB]
			Modulation	UL Channel	UL Frequency	UL # RB	UL RB Offset	Modulation	UL Channel	UL Frequency	UL # RB	UL RB Offset						
Max	LTE B41 (PC3)	20MHz + 20MHz	QPSK	39750	2506.0	1	99	QPSK	39948	2525.8	1	0	25.62	-1.70	**23.92**	0.247	33.01	-9.09
				39790	2510.0	1	99		39988	2529.8	1	0	25.56	-1.70	23.86	0.243	33.01	-9.15
				40620	2593.0	1	99		40818	2612.8	1	0	25.46	-1.70	23.76	0.238	33.01	-9.25
				41490	2680.0	1	0		41292	2660.2	1	99	25.41	-1.70	23.71	0.235	33.01	-9.30
			QPSK	39750	2506	100	0	QPSK	39948	2525.8	100	0	24.66	-1.70	22.96	0.198	33.01	-10.05
			16-QAM	39750	2506	100	0	16-QAM	39948	2525.8	100	0	23.44	-1.70	**21.74**	0.149	33.01	-11.27
			64-QAM	39750	2506	100	0	64-QAM	39948	2525.8	100	0	21.75	-1.70	**20.05**	0.101	33.01	-12.96
			256-QAM	39750	2506	100	0	256-QAM	39948	2525.8	100	0	19.76	-1.70	**18.06**	0.064	33.01	-14.95

Table 7-13. Antenna 4b EIRP Data (ULCA LTE Band 41 (PC3))

7.6.2 Antenna 1 - EIRP

LTE-Band 30

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [W]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2307.5	0.40	1 / 12	22.00	22.40	0.174	23.98	-1.58
		2310.0	0.40	1 / 12	22.04	**22.44**	0.175	23.98	-1.54
		2312.5	0.40	1 / 24	21.94	22.34	0.171	23.98	-1.64
	16-QAM	2310.0	0.40	1 / 0	21.20	21.60	0.145	23.98	-2.38
	64-QAM	2312.5	0.40	1 / 0	20.13	20.53	0.113	23.98	-3.45
	256-QAM	2310.0	0.40	1 / 24	17.32	17.72	0.059	23.98	-6.26
10 MHz	QPSK	2310.0	0.40	1 / 0	22.20	**22.60**	0.182	23.98	-1.38
	16-QAM	2310.0	0.40	1 / 25	21.20	21.60	0.145	23.98	-2.38
	64-QAM	2310.0	0.40	1 / 25	20.14	20.54	0.113	23.98	-3.44
	256-QAM	2310.0	0.40	1 / 49	17.09	17.49	0.056	23.98	-6.49

Table 7-14. Antenna 1 EIRP Data (LTE Band 30)

LTE-Band 7

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [W]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2502.5	0.50	1 / 12	22.20	**22.70**	0.186	33.01	-10.31
		2535.0	0.50	1 / 24	21.92	22.42	0.175	33.01	-10.59
		2567.5	0.50	1 / 0	22.14	22.64	0.184	33.01	-10.37
	16-QAM	2502.5	0.50	1 / 12	21.24	21.74	0.149	33.01	-11.27
	64-QAM	2502.5	0.50	1 / 24	20.20	20.70	0.117	33.01	-12.31
	256-QAM	2567.5	0.50	1 / 24	17.32	17.82	0.061	33.01	-15.19
10 MHz	QPSK	2505.0	0.50	1 / 25	22.15	**22.65**	0.184	33.01	-10.36
		2535.0	0.50	1 / 49	22.17	22.67	0.185	33.01	-10.34
		2565.0	0.50	1 / 0	22.02	22.52	0.179	33.01	-10.49
	16-QAM	2505.0	0.50	1 / 49	21.19	21.69	0.148	33.01	-11.32
	64-QAM	2505.0	0.50	1 / 49	20.29	20.79	0.120	33.01	-12.22
	256-QAM	2505.0	0.50	1 / 49	17.36	17.86	0.061	33.01	-15.15
15 MHz	QPSK	2507.5	0.50	1 / 37	22.19	**22.69**	0.186	33.01	-10.32
		2535.0	0.50	1 / 0	22.00	22.50	0.178	33.01	-10.51
		2562.5	0.50	1 / 0	22.20	22.70	0.186	33.01	-10.31
	16-QAM	2507.5	0.50	1 / 0	21.24	21.74	0.149	33.01	-11.27
	64-QAM	2507.5	0.50	1 / 37	20.21	20.71	0.118	33.01	-12.30
	256-QAM	2535.0	0.50	1 / 0	17.14	17.64	0.058	33.01	-15.37
20 MHz	QPSK	2510.0	0.50	1 / 0	22.19	**22.69**	0.186	33.01	-10.32
		2535.0	0.50	1 / 99	22.11	22.61	0.182	33.01	-10.40
		2560.0	0.50	1 / 0	22.08	22.58	0.181	33.01	-10.43
	16-QAM	2510.0	0.50	1 / 50	21.23	21.73	0.149	33.01	-11.28
	64-QAM	2510.0	0.50	1 / 99	20.20	20.70	0.117	33.01	-12.31
	256-QAM	2560.0	0.50	1 / 0	17.31	**17.81**	0.060	33.01	-15.20

Table 7-15. Antenna 1 EIRP Data (LTE Band 7)

LTE-Band 41 (PC2)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [W]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2498.5	1.70	1 / 0	28.59	**30.29**	1.069	33.01	-2.72
		2593.0	1.70	1 / 0	28.47	30.17	1.040	33.01	-2.84
		2687.5	1.70	1 / 12	28.31	30.01	1.002	33.01	-3.00
	16-QAM	2498.5	1.70	1 / 24	27.67	29.37	0.865	33.01	-3.64
	64-QAM	2593.0	1.70	1 / 0	26.73	28.43	0.697	33.01	-4.58
	256-QAM	2593.0	1.70	1 / 0	23.77	25.47	0.352	33.01	-7.54
10 MHz	QPSK	2501.0	1.70	1 / 0	28.52	**30.22**	1.052	33.01	-2.79
		2593.0	1.70	1 / 25	28.51	30.21	1.050	33.01	-2.80
		2685.0	1.70	1 / 49	28.61	30.31	1.074	33.01	-2.70
	16-QAM	2685.0	1.70	1 / 49	27.61	29.31	0.853	33.01	-3.70
	64-QAM	2593.0	1.70	1 / 25	26.71	28.41	0.693	33.01	-4.60
	256-QAM	2501.0	1.70	1 / 49	23.78	25.48	0.353	33.01	-7.53
15 MHz	QPSK	2503.5	1.70	1 / 0	28.46	**30.16**	1.038	33.01	-2.85
		2593.0	1.70	1 / 74	28.39	30.09	1.021	33.01	-2.92
		2682.5	1.70	1 / 37	28.57	30.27	1.064	33.01	-2.74
	16-QAM	2593.0	1.70	1 / 0	27.72	29.42	0.875	33.01	-3.59
	64-QAM	2593.0	1.70	1 / 0	26.71	28.41	0.693	33.01	-4.60
	256-QAM	2593.0	1.70	1 / 74	23.68	25.38	0.345	33.01	-7.63
20 MHz	QPSK	2506.0	1.70	1 / 0	28.56	**30.26**	1.062	33.01	-2.75
		2593.0	1.70	1 / 99	28.58	30.28	1.067	33.01	-2.73
		2680.0	1.70	1 / 99	28.69	30.39	1.094	33.01	-2.62
	16-QAM	2593.0	1.70	1 / 50	27.70	29.40	0.871	33.01	-3.61
	64-QAM	2680.0	1.70	1 / 50	26.63	28.33	0.681	33.01	-4.68
	256-QAM	2593.0	1.70	1 / 0	23.79	**25.49**	0.354	33.01	-7.52

Table 7-16. Antenna 1 EIRP Data (LTE Band 41(PC2))

LTE-Band 41 (PC3)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [W]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2498.5	1.70	1 / 12	25.64	**27.34**	0.542	33.01	-5.67
		2593.0	1.70	1 / 12	25.56	27.26	0.532	33.01	-5.75
		2687.5	1.70	1 / 0	25.46	27.16	0.520	33.01	-5.85
	16-QAM	2498.5	1.70	1 / 24	24.56	26.26	0.423	33.01	-6.75
	64-QAM	2593.0	1.70	1 / 12	23.69	25.39	0.346	33.01	-7.62
	256-QAM	2593.0	1.70	1 / 24	20.82	**22.52**	0.179	33.01	-10.49
10 MHz	QPSK	2501.0	1.70	1 / 49	25.67	27.37	0.546	33.01	-5.64
		2593.0	1.70	1 / 49	25.69	**27.39**	0.548	33.01	-5.62
		2685.0	1.70	1 / 49	25.67	27.37	0.546	33.01	-5.64
	16-QAM	2685.0	1.70	1 / 0	24.69	26.39	0.436	33.01	-6.62
	64-QAM	2593.0	1.70	1 / 49	23.71	25.41	0.348	33.01	-7.60
	256-QAM	2593.0	1.70	1 / 0	20.81	22.51	0.178	33.01	-10.50
15 MHz	QPSK	2503.5	1.70	1 / 37	25.54	27.24	0.530	33.01	-5.77
		2593.0	1.70	1 / 74	25.67	27.37	0.546	33.01	-5.64
		2682.5	1.70	1 / 74	25.70	**27.40**	0.550	33.01	-5.61
	16-QAM	2593.0	1.70	1 / 0	24.65	26.35	0.432	33.01	-6.66
	64-QAM	2593.0	1.70	1 / 37	23.69	25.39	0.346	33.01	-7.62
	256-QAM	2503.5	1.70	1 / 74	20.81	22.51	0.178	33.01	-10.50
20 MHz	QPSK	2506.0	1.70	1 / 0	25.70	**27.40**	0.550	33.01	-5.61
		2593.0	1.70	1 / 0	25.50	27.20	0.525	33.01	-5.81
		2680.0	1.70	1 / 50	25.58	27.28	0.535	33.01	-5.73
	16-QAM	2593.0	1.70	1 / 0	24.74	26.44	0.441	33.01	-6.57
	64-QAM	2506.0	1.70	1 / 50	23.74	25.44	0.350	33.01	-7.57
	256-QAM	2506.0	1.70	1 / 50	20.80	22.50	0.178	33.01	-10.51

Table 7-17. Antenna 1 EIRP Data (LTE Band 41(PC3))

NR Band n30

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [W]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	2307.5	0.40	1 / 1	22.04	**22.44**	0.175	23.98	-1.54
		2310.0	0.40	1 / 23	22.20	**22.60**	0.182	23.98	-1.38
		2312.5	0.40	1 / 1	22.05	22.45	0.176	23.98	-1.53
	QPSK	2307.5	0.40	1 / 12	22.18	22.58	0.181	23.98	-1.40
		2310.0	0.40	1 / 12	21.91	22.31	0.170	23.98	-1.67
		2312.5	0.40	1 / 1	22.17	22.57	0.181	23.98	-1.41
	16-QAM	2310.0	0.40	1 / 1	21.22	21.62	0.145	23.98	-2.36
	64-QAM	2312.5	0.40	1 / 1	20.12	20.52	0.113	23.98	-3.46
	256-QAM	2310.0	0.40	1 / 1	17.29	17.69	0.059	23.98	-6.29
10 MHz	π/2 BPSK	2310.0	0.40	1 / 1	22.10	**22.50**	0.178	23.98	-1.48
	QPSK	2310.0	0.40	1 / 25	21.97	22.37	0.173	23.98	-1.61
	16-QAM	2310.0	0.40	1 / 25	20.99	21.39	0.138	23.98	-2.59
	64-QAM	2310.0	0.40	1 / 25	20.05	20.45	0.111	23.98	-3.53
	256-QAM	2310.0	0.40	1 / 50	17.26	17.66	0.058	23.98	-6.32

Table 7-18. Antenna 1 EIRP Data (NR Band n30)

NR Band n7

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [W]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	2502.5	0.50	1 / 12	22.01	**22.51**	0.178	33.01	-10.50
		2535.0	0.50	1 / 23	22.12	22.62	0.183	33.01	-10.39
		2567.5	0.50	1 / 1	22.17	22.67	0.185	33.01	-10.34
	QPSK	2502.5	0.50	1 / 1	22.14	22.64	0.184	33.01	-10.37
		2535.0	0.50	1 / 23	22.05	22.55	0.180	33.01	-10.46
		2567.5	0.50	1 / 23	22.20	**22.70**	0.186	33.01	-10.31
	16-QAM	2502.5	0.50	1 / 23	20.98	21.48	0.141	33.01	-11.53
	64-QAM	2567.5	0.50	1 / 12	20.12	20.62	0.115	33.01	-12.39
	256-QAM	2535.0	0.50	1 / 12	17.34	17.84	0.061	33.01	-15.17
10 MHz	π/2 BPSK	2505.0	0.50	1 / 1	22.20	**22.70**	0.186	33.01	-10.31
		2535.0	0.50	1 / 25	22.05	22.55	0.180	33.01	-10.46
		2565.0	0.50	1 / 50	21.94	22.44	0.175	33.01	-10.57
	QPSK	2505.0	0.50	1 / 25	21.94	22.44	0.175	33.01	-10.57
		2535.0	0.50	1 / 25	22.20	**22.70**	0.186	33.01	-10.31
		2565.0	0.50	1 / 25	22.08	22.58	0.181	33.01	-10.43
	16-QAM	2505.0	0.50	1 / 50	21.20	21.70	0.148	33.01	-11.31
	64-QAM	2535.0	0.50	1 / 50	20.19	20.69	0.117	33.01	-12.32
	256-QAM	2565.0	0.50	1 / 1	17.29	17.79	0.060	33.01	-15.22
15 MHz	π/2 BPSK	2507.5	0.50	1 / 1	22.12	22.62	0.183	33.01	-10.39
		2535.0	0.50	1 / 77	22.15	22.65	0.184	33.01	-10.36
		2562.5	0.50	1 / 37	22.06	22.56	0.180	33.01	-10.45
	QPSK	2507.5	0.50	1 / 1	22.20	**22.70**	0.186	33.01	-10.31
		2535.0	0.50	1 / 37	22.18	22.68	0.185	33.01	-10.33
		2562.5	0.50	1 / 37	22.01	22.51	0.178	33.01	-10.50
	16-QAM	2535.0	0.50	1 / 37	21.15	21.65	0.146	33.01	-11.36
	64-QAM	2507.5	0.50	1 / 77	20.21	20.71	0.118	33.01	-12.30
	256-QAM	2507.5	0.50	1 / 37	17.32	17.82	0.061	33.01	-15.19
20 MHz	π/2 BPSK	2510.0	0.50	1 / 104	21.89	22.39	0.173	33.01	-10.62
		2535.0	0.50	1 / 104	22.15	22.65	0.184	33.01	-10.36
		2560.0	0.50	1 / 1	22.20	**22.70**	0.186	33.01	-10.31
	QPSK	2510.0	0.50	1 / 50	22.13	22.63	0.183	33.01	-10.38
		2535.0	0.50	1 / 50	22.11	22.61	0.182	33.01	-10.40
		2560.0	0.50	1 / 104	22.05	22.55	0.180	33.01	-10.46
	16-QAM	2535.0	0.50	1 / 104	21.18	21.68	0.147	33.01	-11.33
	64-QAM	2535.0	0.50	1 / 50	20.19	20.69	0.117	33.01	-12.32
	256-QAM	2560.0	0.50	1 / 50	17.31	17.81	0.060	33.01	-15.20
25 MHz	π/2 BPSK	2512.5	0.50	1 / 1	22.16	22.66	0.185	33.01	-10.35
		2535.0	0.50	1 / 66	22.11	22.61	0.182	33.01	-10.40
		2557.5	0.50	1 / 1	22.15	22.65	0.184	33.01	-10.36
	QPSK	2512.5	0.50	1 / 66	22.18	22.68	0.185	33.01	-10.33
		2535.0	0.50	1 / 1	22.20	**22.70**	0.186	33.01	-10.31
		2557.5	0.50	1 / 66	22.16	22.66	0.185	33.01	-10.35
	16-QAM	2535.0	0.50	1 / 131	21.19	21.69	0.148	33.01	-11.32
	64-QAM	2535.0	0.50	1 / 1	20.17	20.67	0.117	33.01	-12.34
	256-QAM	2535.0	0.50	1 / 131	17.28	17.78	0.060	33.01	-15.23
30 MHz	π/2 BPSK	2515.0	0.50	1 / 1	22.16	22.66	0.185	33.01	-10.35
		2535.0	0.50	1 / 158	22.00	22.50	0.178	33.01	-10.51
		2555.0	0.50	1 / 80	22.08	22.58	0.181	33.01	-10.43
	QPSK	2515.0	0.50	1 / 158	22.20	**22.70**	0.186	33.01	-10.31
		2535.0	0.50	1 / 1	22.00	22.50	0.178	33.01	-10.51
		2555.0	0.50	1 / 158	22.04	22.54	0.179	33.01	-10.47
	16-QAM	2535.0	0.50	1 / 158	21.13	21.63	0.146	33.01	-11.38
	64-QAM	2535.0	0.50	1 / 1	20.16	20.66	0.116	33.01	-12.35
	256-QAM	2515.0	0.50	1 / 1	17.30	17.80	0.060	33.01	-15.21
35 MHz	π/2 BPSK	2517.5	0.50	1 / 186	22.05	22.55	0.180	33.01	-10.46
		2535.0	0.50	1 / 186	22.10	22.60	0.182	33.01	-10.41
		2552.5	0.50	1 / 93	21.90	22.40	0.174	33.01	-10.61
	QPSK	2517.5	0.50	1 / 93	22.20	**22.70**	0.186	33.01	-10.31
		2535.0	0.50	1 / 1	22.17	22.67	0.185	33.01	-10.34
		2552.5	0.50	1 / 186	22.10	22.60	0.182	33.01	-10.41
	16-QAM	2517.5	0.50	1 / 1	21.07	21.57	0.144	33.01	-11.44
	64-QAM	2552.5	0.50	1 / 186	20.19	20.69	0.117	33.01	-12.32
	256-QAM	2535.0	0.50	1 / 186	17.24	17.74	0.059	33.01	-15.27
40 MHz	π/2 BPSK	2520.0	0.50	1 / 214	22.20	**22.70**	0.186	33.01	-10.31
		2535.0	0.50	1 / 108	22.10	22.60	0.182	33.01	-10.41
		2550.0	0.50	1 / 214	22.00	22.50	0.178	33.01	-10.51
	QPSK	2520.0	0.50	1 / 1	22.20	**22.70**	0.186	33.01	-10.31
		2535.0	0.50	1 / 108	21.90	22.40	0.174	33.01	-10.61
		2550.0	0.50	1 / 214	22.14	22.64	0.184	33.01	-10.37
	16-QAM	2535.0	0.50	1 / 108	21.20	21.70	0.148	33.01	-11.31
	64-QAM	2520.0	0.50	1 / 108	20.17	20.67	0.117	33.01	-12.34
	256-QAM	2520.0	0.50	1 / 1	17.26	17.76	0.060	33.01	-15.25

Table 7-19. Antenna 1 EIRP Data (NR Band n7)

NR Band n41(PC2)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [W]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	2501.0	1.70	1 / 12	28.69	**30.39**	1.094	33.01	-2.62
		2593.0	1.70	1 / 12	28.70	**30.40**	1.096	33.01	-2.61
		2685.0	1.70	1 / 12	28.32	30.02	1.005	33.01	-2.99
	QPSK	2501.0	1.70	1 / 1	28.45	30.15	1.035	33.01	-2.86
		2593.0	1.70	1 / 22	28.58	30.28	1.067	33.01	-2.73
		2685.0	1.70	1 / 1	28.61	30.31	1.074	33.01	-2.70
	16-QAM	2593.0	1.70	1 / 22	27.72	29.42	0.875	33.01	-3.59
	64-QAM	2593.0	1.70	1 / 22	26.70	28.40	0.692	33.01	-4.61
	256-QAM	2685.0	1.70	1 / 1	23.78	25.48	0.353	33.01	-7.53
15 MHz	π/2 BPSK	2503.5	1.70	1 / 36	28.68	**30.38**	1.091	33.01	-2.63
		2593.0	1.70	1 / 36	28.68	**30.38**	1.091	33.01	-2.63
		2682.5	1.70	1 / 36	28.53	30.23	1.054	33.01	-2.78
	QPSK	2503.5	1.70	1 / 19	28.66	30.36	1.086	33.01	-2.65
		2593.0	1.70	1 / 19	28.33	30.03	1.007	33.01	-2.98
		2682.5	1.70	1 / 36	28.57	30.27	1.064	33.01	-2.74
	16-QAM	2682.5	1.70	1 / 36	27.67	29.37	0.865	33.01	-3.64
	64-QAM	2503.5	1.70	1 / 19	26.72	28.42	0.695	33.01	-4.59
	256-QAM	2503.5	1.70	1 / 19	23.68	25.38	0.345	33.01	-7.63
20 MHz	π/2 BPSK	2506.0	1.70	1 / 49	28.70	**30.40**	1.096	33.01	-2.61
		2593.0	1.70	1 / 1	28.55	30.25	1.059	33.01	-2.76
		2680.0	1.70	1 / 1	28.60	30.30	1.072	33.01	-2.71
	QPSK	2506.0	1.70	1 / 49	28.44	30.14	1.033	33.01	-2.87
		2593.0	1.70	1 / 1	28.52	30.22	1.052	33.01	-2.79
		2680.0	1.70	1 / 25	28.68	**30.38**	1.091	33.01	-2.63
	16-QAM	2680.0	1.70	1 / 49	27.71	29.41	0.873	33.01	-3.60
	64-QAM	2593.0	1.70	1 / 49	26.73	28.43	0.697	33.01	-4.58
	256-QAM	2680.0	1.70	1 / 25	23.77	25.47	0.352	33.01	-7.54
30 MHz	π/2 BPSK	2511.0	1.70	1 / 39	28.41	30.11	1.026	33.01	-2.90
		2593.0	1.70	1 / 76	28.50	30.20	1.047	33.01	-2.81
		2675.0	1.70	1 / 39	28.70	**30.40**	1.096	33.01	-2.61
	QPSK	2511.0	1.70	1 / 76	28.67	30.37	1.089	33.01	-2.64
		2593.0	1.70	1 / 39	28.57	30.27	1.064	33.01	-2.74
		2675.0	1.70	1 / 76	28.60	30.30	1.072	33.01	-2.71
	16-QAM	2593.0	1.70	1 / 76	27.73	29.43	0.877	33.01	-3.58
	64-QAM	2593.0	1.70	1 / 39	26.65	28.35	0.684	33.01	-4.66
	256-QAM	2593.0	1.70	1 / 1	23.84	25.54	0.358	33.01	-7.47
40 MHz	π/2 BPSK	2516.0	1.70	1 / 53	28.51	30.21	1.050	33.01	-2.80
		2593.0	1.70	1 / 104	28.70	**30.40**	1.096	33.01	-2.61
		2670.0	1.70	1 / 53	28.70	**30.40**	1.096	33.01	-2.61
	QPSK	2516.0	1.70	1 / 104	28.58	30.28	1.067	33.01	-2.73
		2593.0	1.70	1 / 104	28.50	30.20	1.047	33.01	-2.81
		2670.0	1.70	1 / 1	28.34	30.04	1.009	33.01	-2.97
	16-QAM	2593.0	1.70	1 / 1	27.65	29.35	0.861	33.01	-3.66
	64-QAM	2516.0	1.70	1 / 104	26.66	28.36	0.685	33.01	-4.65
	256-QAM	2670.0	1.70	1 / 53	23.66	25.36	0.344	33.01	-7.65
50 MHz	π/2 BPSK	2521.0	1.70	1 / 66	28.40	30.10	1.023	33.01	-2.91
		2593.0	1.70	1 / 1	28.64	30.34	1.081	33.01	-2.67
		2665.0	1.70	1 / 1	28.59	30.29	1.069	33.01	-2.72
	QPSK	2521.0	1.70	1 / 66	28.70	**30.40**	1.096	33.01	-2.61
		2593.0	1.70	1 / 1	28.50	30.20	1.047	33.01	-2.81
		2665.0	1.70	1 / 131	28.63	30.33	1.079	33.01	-2.68
	16-QAM	2665.0	1.70	1 / 131	27.71	29.41	0.873	33.01	-3.60
	64-QAM	2665.0	1.70	1 / 131	26.70	28.40	0.692	33.01	-4.61
	256-QAM	2665.0	1.70	1 / 66	23.81	25.51	0.356	33.01	-7.50
60 MHz	π/2 BPSK	2526.0	1.70	1 / 160	28.66	30.36	1.086	33.01	-2.65
		2593.0	1.70	1 / 81	28.62	30.32	1.076	33.01	-2.69
		2660.0	1.70	1 / 160	28.70	**30.40**	1.096	33.01	-2.61
	QPSK	2526.0	1.70	1 / 160	28.64	30.34	1.081	33.01	-2.67
		2593.0	1.70	1 / 81	28.53	30.23	1.054	33.01	-2.78
		2660.0	1.70	1 / 160	28.61	30.31	1.074	33.01	-2.70
	16-QAM	2526.0	1.70	1 / 1	27.69	29.39	0.869	33.01	-3.62
	64-QAM	2526.0	1.70	1 / 81	26.65	28.35	0.684	33.01	-4.66
	256-QAM	2526.0	1.70	1 / 1	23.82	25.52	0.356	33.01	-7.49
70 MHz	π/2 BPSK	2531.0	1.70	1 / 90	28.66	30.36	1.086	33.01	-2.65
		2593.0	1.70	1 / 90	28.48	30.18	1.042	33.01	-2.83
		2655.0	1.70	1 / 90	28.63	30.33	1.079	33.01	-2.68
	QPSK	2531.0	1.70	1 / 187	28.70	**30.40**	1.096	33.01	-2.61
		2593.0	1.70	1 / 90	28.51	30.21	1.050	33.01	-2.80
		2655.0	1.70	1 / 90	28.70	**30.40**	1.096	33.01	-2.61
	16-QAM	2655.0	1.70	1 / 187	27.66	29.36	0.863	33.01	-3.65
	64-QAM	2655.0	1.70	1 / 90	26.69	28.39	0.690	33.01	-4.62
	256-QAM	2655.0	1.70	1 / 187	23.80	25.50	0.355	33.01	-7.51
80 MHz	π/2 BPSK	2536.0	1.70	1 / 108	28.56	30.26	1.062	33.01	-2.75
		2593.0	1.70	1 / 108	28.44	30.14	1.033	33.01	-2.87
		2650.0	1.70	1 / 108	28.70	**30.40**	1.096	33.01	-2.61
	QPSK	2536.0	1.70	1 / 108	28.68	30.38	1.091	33.01	-2.63
		2593.0	1.70	1 / 108	28.56	30.26	1.062	33.01	-2.75
		2650.0	1.70	1 / 215	28.59	30.29	1.069	33.01	-2.72
	16-QAM	2650.0	1.70	1 / 1	27.64	29.34	0.859	33.01	-3.67
	64-QAM	2593.0	1.70	1 / 108	26.72	28.42	0.695	33.01	-4.59
	256-QAM	2650.0	1.70	1 / 108	23.82	25.52	0.356	33.01	-7.49
90 MHz	π/2 BPSK	2541.0	1.70	1 / 243	28.58	30.28	1.067	33.01	-2.73
		2593.0	1.70	1 / 122	28.46	30.16	1.038	33.01	-2.85
		2645.0	1.70	1 / 122	28.61	30.31	1.074	33.01	-2.70
	QPSK	2541.0	1.70	1 / 1	28.70	**30.40**	1.096	33.01	-2.61
		2593.0	1.70	1 / 1	28.62	30.32	1.076	33.01	-2.69
		2645.0	1.70	1 / 122	28.59	30.29	1.069	33.01	-2.72
	16-QAM	2645.0	1.70	1 / 122	27.65	29.35	0.861	33.01	-3.66
	64-QAM	2645.0	1.70	1 / 243	26.70	28.40	0.692	33.01	-4.61
	256-QAM	2541.0	1.70	1 / 1	23.67	25.37	0.344	33.01	-7.64
100 MHz	π/2 BPSK	2546.0	1.70	1 / 135	28.70	**30.40**	1.096	33.01	-2.61
		2593.0	1.70	1 / 271	28.70	**30.40**	1.096	33.01	-2.61
		2640.0	1.70	1 / 1	28.64	30.34	1.081	33.01	-2.67
	QPSK	2546.0	1.70	1 / 271	28.70	**30.40**	1.096	33.01	-2.61
		2593.0	1.70	1 / 135	28.52	30.22	1.052	33.01	-2.79
		2640.0	1.70	1 / 271	28.53	30.23	1.054	33.01	-2.78
	16-QAM	2546.0	1.70	1 / 271	27.63	29.33	0.857	33.01	-3.68
	64-QAM	2640.0	1.70	1 / 135	26.76	28.46	0.701	33.01	-4.55
	256-QAM	2593.0	1.70	1 / 271	23.84	25.54	0.358	33.01	-7.47

Table 7-20. Antenna 1 EIRP Data (NR Band n41(PC2))

NR Band n41(PC3)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [W]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	2501.0	1.70	1 / 1	25.69	**27.39**	0.548	33.01	-5.62
		2593.0	1.70	1 / 1	25.70	**27.40**	0.550	33.01	-5.61
		2685.0	1.70	1 / 1	25.55	27.25	0.531	33.01	-5.76
	QPSK	2501.0	1.70	1 / 1	25.53	27.23	0.528	33.01	-5.78
		2593.0	1.70	1 / 1	25.62	27.32	0.540	33.01	-5.69
		2685.0	1.70	1 / 12	25.60	27.30	0.537	33.01	-5.71
	16-QAM	2501.0	1.70	1 / 1	24.65	26.35	0.432	33.01	-6.66
	64-QAM	2501.0	1.70	1 / 22	23.69	25.39	0.346	33.01	-7.62
	256-QAM	2685.0	1.70	1 / 22	20.78	22.48	0.177	33.01	-10.53
15 MHz	π/2 BPSK	2503.5	1.70	1 / 1	25.70	**27.40**	0.550	33.01	-5.61
		2593.0	1.70	1 / 36	25.60	27.30	0.537	33.01	-5.71
		2682.5	1.70	1 / 19	25.55	27.25	0.531	33.01	-5.76
	QPSK	2503.5	1.70	1 / 19	25.58	27.28	0.535	33.01	-5.73
		2593.0	1.70	1 / 36	25.70	**27.40**	0.550	33.01	-5.61
		2682.5	1.70	1 / 36	25.65	27.35	0.543	33.01	-5.66
	16-QAM	2682.5	1.70	1 / 1	24.73	26.43	0.440	33.01	-6.58
	64-QAM	2682.5	1.70	1 / 36	23.66	25.36	0.344	33.01	-7.65
	256-QAM	2593.0	1.70	1 / 19	20.74	22.44	0.175	33.01	-10.57
20 MHz	π/2 BPSK	2506.0	1.70	1 / 1	25.52	**27.22**	0.527	33.01	-5.79
		2593.0	1.70	1 / 1	25.48	27.18	0.522	33.01	-5.83
		2680.0	1.70	1 / 1	25.58	27.28	0.535	33.01	-5.73
	QPSK	2506.0	1.70	1 / 49	25.70	**27.40**	0.550	33.01	-5.61
		2593.0	1.70	1 / 1	25.50	27.20	0.525	33.01	-5.81
		2680.0	1.70	1 / 1	25.70	**27.40**	0.550	33.01	-5.61
	16-QAM	2506.0	1.70	1 / 49	24.56	26.26	0.423	33.01	-6.75
	64-QAM	2593.0	1.70	1 / 25	23.71	25.41	0.348	33.01	-7.60
	256-QAM	2593.0	1.70	1 / 1	20.79	22.49	0.177	33.01	-10.52
30 MHz	π/2 BPSK	2511.0	1.70	1 / 1	25.63	27.33	0.541	33.01	-5.68
		2593.0	1.70	1 / 76	25.43	27.13	0.516	33.01	-5.88
		2675.0	1.70	1 / 1	25.69	27.39	0.548	33.01	-5.62
	QPSK	2511.0	1.70	1 / 39	25.70	**27.40**	0.550	33.01	-5.61
		2593.0	1.70	1 / 76	25.70	**27.40**	0.550	33.01	-5.61
		2675.0	1.70	1 / 1	25.57	27.27	0.533	33.01	-5.74
	16-QAM	2593.0	1.70	1 / 76	24.71	26.41	0.438	33.01	-6.60
	64-QAM	2675.0	1.70	1 / 76	23.61	25.31	0.340	33.01	-7.70
	256-QAM	2593.0	1.70	1 / 1	20.80	22.50	0.178	33.01	-10.51
40 MHz	π/2 BPSK	2516.0	1.70	1 / 53	25.68	27.38	0.547	33.01	-5.63
		2593.0	1.70	1 / 53	25.35	27.05	0.507	33.01	-5.96
		2670.0	1.70	1 / 104	25.42	27.12	0.515	33.01	-5.89
	QPSK	2516.0	1.70	1 / 104	25.64	27.34	0.542	33.01	-5.67
		2593.0	1.70	1 / 104	25.63	27.33	0.541	33.01	-5.68
		2670.0	1.70	1 / 104	25.70	**27.40**	0.550	33.01	-5.61
	16-QAM	2670.0	1.70	1 / 1	24.67	26.37	0.434	33.01	-6.64
	64-QAM	2516.0	1.70	1 / 1	23.68	25.38	0.345	33.01	-7.63
	256-QAM	2516.0	1.70	1 / 53	20.82	22.52	0.179	33.01	-10.49
50 MHz	π/2 BPSK	2521.0	1.70	1 / 1	25.70	**27.40**	0.550	33.01	-5.61
		2593.0	1.70	1 / 131	25.65	27.35	0.543	33.01	-5.66
		2665.0	1.70	1 / 131	25.58	27.28	0.535	33.01	-5.73
	QPSK	2521.0	1.70	1 / 1	25.69	27.39	0.548	33.01	-5.62
		2593.0	1.70	1 / 66	25.33	27.03	0.505	33.01	-5.98
		2665.0	1.70	1 / 131	25.70	**27.40**	0.550	33.01	-5.61
	16-QAM	2593.0	1.70	1 / 131	24.70	26.40	0.437	33.01	-6.61
	64-QAM	2593.0	1.70	1 / 66	23.73	25.43	0.349	33.01	-7.58
	256-QAM	2665.0	1.70	1 / 66	20.79	22.49	0.177	33.01	-10.52
60 MHz	π/2 BPSK	2526.0	1.70	1 / 1	25.47	27.17	0.521	33.01	-5.84
		2593.0	1.70	1 / 160	25.67	**27.37**	0.546	33.01	-5.64
		2660.0	1.70	1 / 81	25.65	27.35	0.543	33.01	-5.66
	QPSK	2526.0	1.70	1 / 1	25.57	27.27	0.533	33.01	-5.74
		2593.0	1.70	1 / 160	25.66	27.36	0.545	33.01	-5.65
		2660.0	1.70	1 / 1	25.38	27.08	0.511	33.01	-5.93
	16-QAM	2660.0	1.70	1 / 1	24.67	26.37	0.434	33.01	-6.64
	64-QAM	2526.0	1.70	1 / 1	23.69	25.39	0.346	33.01	-7.62
	256-QAM	2526.0	1.70	1 / 160	20.70	22.40	0.174	33.01	-10.61
70 MHz	π/2 BPSK	2531.0	1.70	1 / 187	25.70	**27.40**	0.550	33.01	-5.61
		2593.0	1.70	1 / 1	25.68	27.38	0.547	33.01	-5.63
		2655.0	1.70	1 / 1	25.65	27.35	0.543	33.01	-5.66
	QPSK	2531.0	1.70	1 / 1	25.65	27.35	0.543	33.01	-5.66
		2593.0	1.70	1 / 187	25.63	27.33	0.541	33.01	-5.68
		2655.0	1.70	1 / 90	25.70	**27.40**	0.550	33.01	-5.61
	16-QAM	2655.0	1.70	1 / 1	24.68	26.38	0.435	33.01	-6.63
	64-QAM	2593.0	1.70	1 / 187	23.69	25.39	0.346	33.01	-7.62
	256-QAM	2531.0	1.70	1 / 187	20.74	22.44	0.175	33.01	-10.57
80 MHz	π/2 BPSK	2536.0	1.70	1 / 108	25.68	27.38	0.547	33.01	-5.63
		2593.0	1.70	1 / 1	25.69	27.39	0.548	33.01	-5.62
		2650.0	1.70	1 / 108	25.57	27.27	0.533	33.01	-5.74
	QPSK	2536.0	1.70	1 / 108	25.70	**27.40**	0.550	33.01	-5.61
		2593.0	1.70	1 / 215	25.57	27.27	0.533	33.01	-5.74
		2650.0	1.70	1 / 108	25.65	27.35	0.543	33.01	-5.66
	16-QAM	2536.0	1.70	1 / 1	24.71	26.41	0.438	33.01	-6.60
	64-QAM	2536.0	1.70	1 / 1	23.58	25.28	0.337	33.01	-7.73
	256-QAM	2593.0	1.70	1 / 215	20.75	22.45	0.176	33.01	-10.56
90 MHz	π/2 BPSK	2541.0	1.70	1 / 122	25.38	27.08	0.511	33.01	-5.93
		2593.0	1.70	1 / 122	25.36	27.06	0.508	33.01	-5.95
		2645.0	1.70	1 / 243	25.66	27.36	0.545	33.01	-5.65
	QPSK	2541.0	1.70	1 / 1	25.70	**27.40**	0.550	33.01	-5.61
		2593.0	1.70	1 / 122	25.60	27.30	0.537	33.01	-5.71
		2645.0	1.70	1 / 1	25.62	27.32	0.540	33.01	-5.69
	16-QAM	2645.0	1.70	1 / 243	24.79	26.49	0.446	33.01	-6.52
	64-QAM	2541.0	1.70	1 / 1	23.71	25.41	0.348	33.01	-7.60
	256-QAM	2541.0	1.70	1 / 1	20.79	22.49	0.177	33.01	-10.52
100 MHz	π/2 BPSK	2546.0	1.70	1 / 135	25.66	27.36	0.545	33.01	-5.65
		2593.0	1.70	1 / 135	25.64	27.34	0.542	33.01	-5.67
		2640.0	1.70	1 / 271	25.61	27.31	0.538	33.01	-5.70
	QPSK	2546.0	1.70	1 / 271	25.67	**27.37**	0.546	33.01	-5.64
		2593.0	1.70	1 / 1	25.48	27.18	0.522	33.01	-5.83
		2640.0	1.70	1 / 1	25.62	27.32	0.540	33.01	-5.69
	16-QAM	2546.0	1.70	1 / 1	24.64	26.34	0.431	33.01	-6.67
	64-QAM	2640.0	1.70	1 / 1	23.69	25.39	0.346	33.01	-7.62
	256-QAM	2593.0	1.70	1 / 1	20.82	22.52	0.179	33.01	-10.49

Table 7-21. Antenna 1 EIRP Data (NR Band n41(PC3))

ULCA LTE Band 7

Power State	Band	Bandwidth (PCC + SCC)	PCC					SCC					ULCA Tx. Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [W]	EIRP Limit [dBm]	Margin [dB]
			Modulation	UL Channel	UL Frequency	UL # RB	UL RB Offset	Modulation	UL Channel	UL Frequency	UL # RB	UL RB Offset						
Max	LTE B7	20MHz + 20MHz	QPSK	20850	2510.0	1	99	QPSK	21048	2529.8	1	0	22.12	0.50	**22.62**	0.183	33.01	-10.39
				21100	2535.0	1	99		21298	2554.8	1	0	21.84	0.50	22.34	0.171	33.01	-10.67
				21350	2560.0	1	0		21152	2540.2	1	99	21.91	0.50	22.41	0.174	33.01	-10.60
			QPSK	20850	2510	100	0	QPSK	21048	2529.8	100	0	21.21	0.50	21.71	0.148	33.01	-11.30
			16-QAM	20850	2510	100	0	16-QAM	21048	2529.8	100	0	20.01	0.50	**20.51**	0.112	33.01	-12.50
			64-QAM	20850	2510	100	0	64-QAM	21048	2529.8	100	0	18.66	0.50	**19.16**	0.082	33.01	-13.85
			256-QAM	20850	2510	100	0	256-QAM	21048	2529.8	100	0	15.33	0.50	**15.83**	0.038	33.01	-17.18

Table 7-22. Antenna 1 EIRP Data (ULCA LTE Band 7)

ULCA LTE Band 41 (PC2)

Power State	Band	Bandwidth (PCC + SCC)	PCC					SCC					ULCA Tx. Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [W]	EIRP Limit [dBm]	Margin [dB]
			Modulation	UL Channel	UL Frequency	UL # RB	UL RB Offset	Modulation	UL Channel	UL Frequency	UL # RB	UL RB Offset						
Max	LTE B41 (PC2)	20MHz + 20MHz	QPSK	39750	2506.0	1	99	QPSK	39948	2525.8	1	0	28.64	1.70	30.34	1.081	33.01	-2.67
				39790	2510.0	1	99		39988	2529.8	1	0	28.51	1.70	30.21	1.050	33.01	-2.80
				40620	2593.0	1	99		40818	2612.8	1	0	28.52	1.70	30.22	1.052	33.01	-2.79
				41490	2680.0	1	0		41292	2660.2	1	99	28.70	1.70	**30.40**	1.096	33.01	-2.61
			QPSK	41490	2680	100	0	QPSK	41292	2660.2	100	0	26.74	1.70	28.44	0.698	33.01	-4.57
			16-QAM	41490	2680	100	0	16-QAM	41292	2660.2	100	0	26.19	1.70	**27.89**	0.615	33.01	-5.12
			64-QAM	41490	2680	100	0	64-QAM	41292	2660.2	100	0	25.40	1.70	**27.10**	0.513	33.01	-5.91
			256-QAM	41490	2680	100	0	256-QAM	41292	2660.2	100	0	21.90	1.70	**23.60**	0.229	33.01	-9.41

Table 7-23. Antenna 1 EIRP Data (ULCA LTE Band 41 (PC2))

ULCA LTE Band 41 (PC3)

Power State	Band	Bandwidth (PCC + SCC)	PCC					SCC					ULCA Tx. Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [W]	EIRP Limit [dBm]	Margin [dB]
			Modulation	UL Channel	UL Frequency	UL # RB	UL RB Offset	Modulation	UL Channel	UL Frequency	UL # RB	UL RB Offset						
Max	LTE B41 (PC3)	20MHz + 20MHz	QPSK	39750	2506.0	1	99	QPSK	39948	2525.8	1	0	25.64	1.70	**27.34**	0.542	33.01	-5.67
				39790	2510.0	1	99		39988	2529.8	1	0	25.33	1.70	27.03	0.505	33.01	-5.98
				40620	2593.0	1	99		40818	2612.8	1	0	25.59	1.70	27.29	0.536	33.01	-5.72
				41490	2680.0	1	0		41292	2660.2	1	99	25.54	1.70	27.24	0.530	33.01	-5.77
			QPSK	39750	2506	100	0	QPSK	39948	2525.8	100	0	24.09	1.70	25.79	0.379	33.01	-7.22
			16-QAM	39750	2506	100	0	16-QAM	39948	2525.8	100	0	22.82	1.70	24.52	0.283	33.01	-8.49
			64-QAM	39750	2506	100	0	64-QAM	39948	2525.8	100	0	22.36	1.70	**24.06**	0.255	33.01	-8.95
			256-QAM	39750	2506	100	0	256-QAM	39948	2525.8	100	0	19.55	1.70	**21.25**	0.133	33.01	-11.76

Table 7-24. Antenna 1 EIRP Data (ULCA LTE Band 41 (PC3))

7.6.3 Antenna 3 - EIRP

LTE-Band 30

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [W]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2307.5	-0.80	1 / 0	24.27	23.47	0.222	23.98	-0.51
		2310.0	-0.80	1 / 12	24.15	23.35	0.216	23.98	-0.63
		2312.5	-0.80	1 / 0	24.29	**23.49**	0.223	23.98	-0.49
	16-QAM	2312.5	-0.80	1 / 0	23.16	22.36	0.172	23.98	-1.62
	64-QAM	2312.5	-0.80	1 / 0	22.31	21.51	0.142	23.98	-2.47
	256-QAM	2307.5	-0.80	1 / 12	19.42	18.62	0.073	23.98	-5.36
10 MHz	QPSK	2310.0	-0.80	1 / 49	24.25	**23.45**	0.221	23.98	-0.53
	16-QAM	2310.0	-0.80	1 / 25	23.13	22.33	0.171	23.98	-1.65
	64-QAM	2310.0	-0.80	1 / 25	22.24	21.44	0.139	23.98	-2.54
	256-QAM	2310.0	-0.80	1 / 49	19.29	18.49	0.071	23.98	-5.49

Table 7-25. Antenna 3 EIRP Data (LTE Band 30)

LTE-Band 7

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [W]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2502.5	1.20	1 / 0	25.02	**26.22**	0.419	33.01	-6.79
		2535.0	1.20	1 / 12	25.13	26.33	0.430	33.01	-6.68
		2567.5	1.20	1 / 24	25.16	26.36	0.433	33.01	-6.65
	16-QAM	2502.5	1.20	1 / 24	24.19	25.39	0.346	33.01	-7.62
	64-QAM	2535.0	1.20	1 / 12	23.14	24.34	0.272	33.01	-8.67
	256-QAM	2502.5	1.20	1 / 24	20.30	21.50	0.141	33.01	-11.51
10 MHz	QPSK	2505.0	1.20	1 / 0	25.19	**26.39**	0.436	33.01	-6.62
		2535.0	1.20	1 / 0	24.94	26.14	0.411	33.01	-6.87
		2565.0	1.20	1 / 25	25.08	26.28	0.425	33.01	-6.73
	16-QAM	2505.0	1.20	1 / 25	24.22	25.42	0.348	33.01	-7.59
	64-QAM	2505.0	1.20	1 / 0	23.22	24.42	0.277	33.01	-8.59
	256-QAM	2565.0	1.20	1 / 0	20.34	21.54	0.143	33.01	-11.47
15 MHz	QPSK	2507.5	1.20	1 / 74	25.10	**26.30**	0.427	33.01	-6.71
		2535.0	1.20	1 / 37	25.09	26.29	0.426	33.01	-6.72
		2562.5	1.20	1 / 37	25.15	26.35	0.432	33.01	-6.66
	16-QAM	2535.0	1.20	1 / 74	24.21	25.41	0.348	33.01	-7.60
	64-QAM	2507.5	1.20	1 / 74	23.13	24.33	0.271	33.01	-8.68
	256-QAM	2535.0	1.20	1 / 0	20.28	21.48	0.141	33.01	-11.53
20 MHz	QPSK	2510.0	1.20	1 / 50	25.19	26.39	0.436	33.01	-6.62
		2535.0	1.20	1 / 0	25.20	**26.40**	0.437	33.01	-6.61
		2560.0	1.20	1 / 99	24.94	26.14	0.411	33.01	-6.87
	16-QAM	2560.0	1.20	1 / 50	24.19	25.39	0.346	33.01	-7.62
	64-QAM	2560.0	1.20	1 / 50	23.21	24.41	0.276	33.01	-8.60
	256-QAM	2560.0	1.20	1 / 50	20.28	**21.48**	0.141	33.01	-11.53

Table 7-26. Antenna 3 EIRP Data (LTE Band 7)

LTE-Band 41 (PC2)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [W]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2498.5	1.30	1 / 24	27.17	**28.47**	0.703	33.01	-4.54
		2593.0	1.30	1 / 12	27.20	28.50	0.708	33.01	-4.51
		2687.5	1.30	1 / 24	26.86	28.16	0.655	33.01	-4.85
	16-QAM	2498.5	1.30	1 / 24	26.17	27.47	0.558	33.01	-5.54
	64-QAM	2593.0	1.30	1 / 0	25.24	26.54	0.451	33.01	-6.47
	256-QAM	2593.0	1.30	1 / 12	22.17	23.47	0.222	33.01	-9.54
10 MHz	QPSK	2501.0	1.30	1 / 0	27.18	**28.48**	0.705	33.01	-4.53
		2593.0	1.30	1 / 49	26.78	28.08	0.643	33.01	-4.93
		2685.0	1.30	1 / 0	27.00	28.30	0.676	33.01	-4.71
	16-QAM	2593.0	1.30	1 / 25	26.21	27.51	0.564	33.01	-5.50
	64-QAM	2593.0	1.30	1 / 25	25.22	26.52	0.449	33.01	-6.49
	256-QAM	2593.0	1.30	1 / 0	22.32	23.62	0.230	33.01	-9.39
15 MHz	QPSK	2503.5	1.30	1 / 0	27.20	**28.50**	0.708	33.01	-4.51
		2593.0	1.30	1 / 37	27.18	28.48	0.705	33.01	-4.53
		2682.5	1.30	1 / 0	27.01	28.31	0.678	33.01	-4.70
	16-QAM	2593.0	1.30	1 / 0	26.17	27.47	0.558	33.01	-5.54
	64-QAM	2503.5	1.30	1 / 37	25.20	26.50	0.447	33.01	-6.51
	256-QAM	2682.5	1.30	1 / 37	22.30	23.60	0.229	33.01	-9.41
20 MHz	QPSK	2506.0	1.30	1 / 0	26.91	**28.21**	0.662	33.01	-4.80
		2593.0	1.30	1 / 0	27.20	28.50	0.708	33.01	-4.51
		2680.0	1.30	1 / 99	27.18	28.48	0.705	33.01	-4.53
	16-QAM	2506.0	1.30	1 / 50	26.26	27.56	0.570	33.01	-5.45
	64-QAM	2506.0	1.30	1 / 0	25.21	26.51	0.448	33.01	-6.50
	256-QAM	2593.0	1.30	1 / 50	22.30	**23.60**	0.229	33.01	-9.41

Table 7-27. Antenna 3 EIRP Data (LTE Band 41(PC2))

LTE-Band 41 (PC3)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [W]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2498.5	1.30	1 / 12	25.70	**27.00**	0.501	33.01	-6.01
		2593.0	1.30	1 / 24	25.53	26.83	0.482	33.01	-6.18
		2687.5	1.30	1 / 12	25.62	26.92	0.492	33.01	-6.09
	16-QAM	2593.0	1.30	1 / 0	24.68	25.98	0.396	33.01	-7.03
	64-QAM	2593.0	1.30	1 / 0	23.53	24.83	0.304	33.01	-8.18
	256-QAM	2593.0	1.30	1 / 12	20.81	22.11	0.163	33.01	-10.90
10 MHz	QPSK	2501.0	1.30	1 / 25	25.70	**27.00**	0.501	33.01	-6.01
		2593.0	1.30	1 / 0	25.54	26.84	0.483	33.01	-6.17
		2685.0	1.30	1 / 25	25.37	26.67	0.465	33.01	-6.34
	16-QAM	2593.0	1.30	1 / 0	24.71	26.01	0.399	33.01	-7.00
	64-QAM	2593.0	1.30	1 / 49	23.67	24.97	0.314	33.01	-8.04
	256-QAM	2685.0	1.30	1 / 25	20.81	22.11	0.163	33.01	-10.90
15 MHz	QPSK	2503.5	1.30	1 / 37	25.69	**26.99**	0.500	33.01	-6.02
		2593.0	1.30	1 / 37	25.63	26.93	0.493	33.01	-6.08
		2682.5	1.30	1 / 37	25.64	26.94	0.494	33.01	-6.07
	16-QAM	2593.0	1.30	1 / 0	24.71	26.01	0.399	33.01	-7.00
	64-QAM	2593.0	1.30	1 / 74	23.65	24.95	0.313	33.01	-8.06
	256-QAM	2593.0	1.30	1 / 0	20.68	21.98	0.158	33.01	-11.03
20 MHz	QPSK	2506.0	1.30	1 / 99	25.68	**26.98**	0.499	33.01	-6.03
		2593.0	1.30	1 / 99	25.56	26.86	0.485	33.01	-6.15
		2680.0	1.30	1 / 99	25.70	27.00	0.501	33.01	-6.01
	16-QAM	2593.0	1.30	1 / 0	24.68	25.98	0.396	33.01	-7.03
	64-QAM	2680.0	1.30	1 / 50	23.66	24.96	0.313	33.01	-8.05
	256-QAM	2593.0	1.30	1 / 50	20.79	**22.09**	0.162	33.01	-10.92

Table 7-28. Antenna 3 EIRP Data (LTE Band 41(PC3))

NR Band n30

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [W]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	2307.5	-0.80	1 / 23	24.10	**23.30**	0.214	23.98	-0.68
		2310.0	-0.80	1 / 12	24.19	23.39	0.218	23.98	-0.59
		2312.5	-0.80	1 / 12	24.30	**23.50**	0.224	23.98	-0.48
	QPSK	2307.5	-0.80	1 / 23	24.07	23.27	0.212	23.98	-0.71
		2310.0	-0.80	1 / 23	24.25	23.45	0.221	23.98	-0.53
		2312.5	-0.80	1 / 23	24.22	23.42	0.220	23.98	-0.56
	16-QAM	2312.5	-0.80	1 / 1	23.23	22.43	0.175	23.98	-1.55
	64-QAM	2312.5	-0.80	1 / 1	22.28	21.48	0.141	23.98	-2.50
	256-QAM	2310.0	-0.80	1 / 12	19.29	18.49	0.071	23.98	-5.49
10 MHz	π/2 BPSK	2310.0	-0.80	1 / 25	24.13	23.33	0.215	23.98	-0.65
	QPSK	2310.0	-0.80	1 / 25	24.30	**23.50**	0.224	23.98	-0.48
	16-QAM	2310.0	-0.80	1 / 25	23.16	22.36	0.172	23.98	-1.62
	64-QAM	2310.0	-0.80	1 / 50	22.31	21.51	0.142	23.98	-2.47
	256-QAM	2310.0	-0.80	1 / 1	19.32	18.52	0.071	23.98	-5.46

Table 7-29. Antenna 3 EIRP Data (NR Band n30)

NR Band n7

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [W]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	2502.5	1.20	1 / 1	24.91	**26.11**	0.408	33.01	-6.90
		2535.0	1.20	1 / 23	25.16	26.36	0.433	33.01	-6.65
		2567.5	1.20	1 / 12	24.91	26.11	0.408	33.01	-6.90
	QPSK	2502.5	1.20	1 / 12	25.20	**26.40**	0.437	33.01	-6.61
		2535.0	1.20	1 / 1	24.77	25.97	0.395	33.01	-7.04
		2567.5	1.20	1 / 12	25.19	26.39	0.436	33.01	-6.62
	16-QAM	2502.5	1.20	1 / 12	24.16	25.36	0.344	33.01	-7.65
	64-QAM	2567.5	1.20	1 / 12	23.19	24.39	0.275	33.01	-8.62
	256-QAM	2502.5	1.20	1 / 1	20.16	21.36	0.137	33.01	-11.65
10 MHz	π/2 BPSK	2505.0	1.20	1 / 1	25.18	26.38	0.435	33.01	-6.63
		2535.0	1.20	1 / 50	25.11	26.31	0.428	33.01	-6.70
		2565.0	1.20	1 / 50	25.03	26.23	0.420	33.01	-6.78
	QPSK	2505.0	1.20	1 / 50	25.05	26.25	0.422	33.01	-6.76
		2535.0	1.20	1 / 25	25.11	26.31	0.428	33.01	-6.70
		2565.0	1.20	1 / 1	25.20	**26.40**	0.437	33.01	-6.61
	16-QAM	2505.0	1.20	1 / 25	24.19	25.39	0.346	33.01	-7.62
	64-QAM	2565.0	1.20	1 / 50	23.19	24.39	0.275	33.01	-8.62
	256-QAM	2565.0	1.20	1 / 25	20.20	21.40	0.138	33.01	-11.61
15 MHz	π/2 BPSK	2507.5	1.20	1 / 77	25.12	26.32	0.429	33.01	-6.69
		2535.0	1.20	1 / 37	25.08	26.28	0.425	33.01	-6.73
		2562.5	1.20	1 / 37	25.01	26.21	0.418	33.01	-6.80
	QPSK	2507.5	1.20	1 / 1	25.12	26.32	0.429	33.01	-6.69
		2535.0	1.20	1 / 77	25.20	**26.40**	0.437	33.01	-6.61
		2562.5	1.20	1 / 37	25.10	26.30	0.427	33.01	-6.71
	16-QAM	2535.0	1.20	1 / 37	24.24	25.44	0.350	33.01	-7.57
	64-QAM	2535.0	1.20	1 / 1	23.16	24.36	0.273	33.01	-8.65
	256-QAM	2507.5	1.20	1 / 37	20.37	21.57	0.144	33.01	-11.44
20 MHz	π/2 BPSK	2510.0	1.20	1 / 50	25.06	26.26	0.423	33.01	-6.75
		2535.0	1.20	1 / 1	25.20	**26.40**	0.437	33.01	-6.61
		2560.0	1.20	1 / 104	24.97	26.17	0.414	33.01	-6.84
	QPSK	2510.0	1.20	1 / 50	25.12	26.32	0.429	33.01	-6.69
		2535.0	1.20	1 / 104	25.06	26.26	0.423	33.01	-6.75
		2560.0	1.20	1 / 1	25.03	26.23	0.420	33.01	-6.78
	16-QAM	2510.0	1.20	1 / 50	24.17	25.37	0.344	33.01	-7.64
	64-QAM	2560.0	1.20	1 / 1	23.17	24.37	0.274	33.01	-8.64
	256-QAM	2560.0	1.20	1 / 1	20.24	21.44	0.139	33.01	-11.57
25 MHz	π/2 BPSK	2512.5	1.20	1 / 66	25.06	26.26	0.423	33.01	-6.75
		2535.0	1.20	1 / 1	25.18	26.38	0.435	33.01	-6.63
		2557.5	1.20	1 / 66	25.11	26.31	0.428	33.01	-6.70
	QPSK	2512.5	1.20	1 / 66	25.10	26.30	0.427	33.01	-6.71
		2535.0	1.20	1 / 66	25.17	26.37	0.434	33.01	-6.64
		2557.5	1.20	1 / 131	25.20	**26.40**	0.437	33.01	-6.61
	16-QAM	2557.5	1.20	1 / 66	24.20	25.40	0.347	33.01	-7.61
	64-QAM	2512.5	1.20	1 / 131	23.22	24.42	0.277	33.01	-8.59
	256-QAM	2512.5	1.20	1 / 1	20.28	21.48	0.141	33.01	-11.53
30 MHz	π/2 BPSK	2515.0	1.20	1 / 80	25.20	**26.40**	0.437	33.01	-6.61
		2535.0	1.20	1 / 1	25.13	26.33	0.430	33.01	-6.68
		2555.0	1.20	1 / 80	25.04	26.24	0.421	33.01	-6.77
	QPSK	2515.0	1.20	1 / 1	25.06	26.26	0.423	33.01	-6.75
		2535.0	1.20	1 / 158	25.00	26.20	0.417	33.01	-6.81
		2555.0	1.20	1 / 80	24.89	26.09	0.406	33.01	-6.92
	16-QAM	2515.0	1.20	1 / 1	24.21	25.41	0.348	33.01	-7.60
	64-QAM	2535.0	1.20	1 / 158	23.20	24.40	0.275	33.01	-8.61
	256-QAM	2535.0	1.20	1 / 1	20.21	21.41	0.138	33.01	-11.60
35 MHz	π/2 BPSK	2517.5	1.20	1 / 186	25.19	26.39	0.436	33.01	-6.62
		2535.0	1.20	1 / 1	25.19	26.39	0.436	33.01	-6.62
		2552.5	1.20	1 / 93	25.20	**26.40**	0.437	33.01	-6.61
	QPSK	2517.5	1.20	1 / 93	25.15	26.35	0.432	33.01	-6.66
		2535.0	1.20	1 / 1	25.20	**26.40**	0.437	33.01	-6.61
		2552.5	1.20	1 / 1	25.09	26.29	0.426	33.01	-6.72
	16-QAM	2552.5	1.20	1 / 93	24.12	25.32	0.340	33.01	-7.69
	64-QAM	2552.5	1.20	1 / 1	23.19	24.39	0.275	33.01	-8.62
	256-QAM	2517.5	1.20	1 / 186	20.31	21.51	0.142	33.01	-11.50
40 MHz	π/2 BPSK	2520.0	1.20	1 / 108	25.20	**26.40**	0.437	33.01	-6.61
		2535.0	1.20	1 / 214	25.10	26.30	0.427	33.01	-6.71
		2550.0	1.20	1 / 1	25.15	26.35	0.432	33.01	-6.66
	QPSK	2520.0	1.20	1 / 108	24.94	26.14	0.411	33.01	-6.87
		2535.0	1.20	1 / 108	25.00	26.20	0.417	33.01	-6.81
		2550.0	1.20	1 / 1	25.02	26.22	0.419	33.01	-6.79
	16-QAM	2535.0	1.20	1 / 214	24.22	25.42	0.348	33.01	-7.59
	64-QAM	2535.0	1.20	1 / 1	23.21	24.41	0.276	33.01	-8.60
	256-QAM	2520.0	1.20	1 / 108	20.16	21.36	0.137	33.01	-11.65

Table 7-30. Antenna 3 EIRP Data (NR Band n7)

NR Band n41(PC2)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [W]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	2501.0	1.30	1 / 1	27.20	**28.50**	0.708	33.01	-4.51
		2593.0	1.30	1 / 12	27.11	28.41	0.693	33.01	-4.60
		2685.0	1.30	1 / 22	27.13	**28.43**	0.697	33.01	-4.58
	QPSK	2501.0	1.30	1 / 1	27.10	28.40	0.692	33.01	-4.61
		2593.0	1.30	1 / 22	27.13	**28.43**	0.697	33.01	-4.58
		2685.0	1.30	1 / 1	27.10	28.40	0.692	33.01	-4.61
	16-QAM	2685.0	1.30	1 / 1	26.15	27.45	0.556	33.01	-5.56
	64-QAM	2501.0	1.30	1 / 12	25.17	26.47	0.444	33.01	-6.54
	256-QAM	2593.0	1.30	1 / 22	22.23	23.53	0.225	33.01	-9.48
15 MHz	π/2 BPSK	2503.5	1.30	1 / 36	26.97	**28.27**	0.671	33.01	-4.74
		2593.0	1.30	1 / 36	27.20	**28.50**	0.708	33.01	-4.51
		2682.5	1.30	1 / 36	27.11	28.41	0.693	33.01	-4.60
	QPSK	2503.5	1.30	1 / 36	27.00	28.30	0.676	33.01	-4.71
		2593.0	1.30	1 / 36	27.07	28.37	0.687	33.01	-4.64
		2682.5	1.30	1 / 1	27.08	28.38	0.689	33.01	-4.63
	16-QAM	2682.5	1.30	1 / 1	26.15	27.45	0.556	33.01	-5.56
	64-QAM	2593.0	1.30	1 / 1	25.19	26.49	0.446	33.01	-6.52
	256-QAM	2593.0	1.30	1 / 19	22.22	23.52	0.225	33.01	-9.49
20 MHz	π/2 BPSK	2506.0	1.30	1 / 49	27.20	**28.50**	0.708	33.01	-4.51
		2593.0	1.30	1 / 49	27.11	28.41	0.693	33.01	-4.60
		2680.0	1.30	1 / 1	26.88	28.18	0.658	33.01	-4.83
	QPSK	2506.0	1.30	1 / 25	27.14	28.44	0.698	33.01	-4.57
		2593.0	1.30	1 / 1	27.18	**28.48**	0.705	33.01	-4.53
		2680.0	1.30	1 / 25	27.09	28.39	0.690	33.01	-4.62
	16-QAM	2593.0	1.30	1 / 25	26.19	27.49	0.561	33.01	-5.52
	64-QAM	2506.0	1.30	1 / 49	25.16	26.46	0.443	33.01	-6.55
	256-QAM	2680.0	1.30	1 / 25	22.27	23.57	0.228	33.01	-9.44
30 MHz	π/2 BPSK	2511.0	1.30	1 / 1	27.10	28.40	0.692	33.01	-4.61
		2593.0	1.30	1 / 76	26.92	28.22	0.664	33.01	-4.79
		2675.0	1.30	1 / 1	27.20	**28.50**	0.708	33.01	-4.51
	QPSK	2511.0	1.30	1 / 1	26.94	28.24	0.667	33.01	-4.77
		2593.0	1.30	1 / 39	27.15	28.45	0.700	33.01	-4.56
		2675.0	1.30	1 / 39	27.11	28.41	0.693	33.01	-4.60
	16-QAM	2511.0	1.30	1 / 1	26.23	27.53	0.566	33.01	-5.48
	64-QAM	2511.0	1.30	1 / 76	25.12	26.42	0.439	33.01	-6.59
	256-QAM	2593.0	1.30	1 / 39	22.29	23.59	0.229	33.01	-9.42
40 MHz	π/2 BPSK	2516.0	1.30	1 / 1	27.15	28.45	0.700	33.01	-4.56
		2593.0	1.30	1 / 53	26.99	28.29	0.675	33.01	-4.72
		2670.0	1.30	1 / 1	27.00	28.30	0.676	33.01	-4.71
	QPSK	2516.0	1.30	1 / 104	27.20	**28.50**	0.708	33.01	-4.51
		2593.0	1.30	1 / 1	26.90	28.20	0.661	33.01	-4.81
		2670.0	1.30	1 / 1	27.05	28.35	0.684	33.01	-4.66
	16-QAM	2670.0	1.30	1 / 104	26.14	27.44	0.555	33.01	-5.57
	64-QAM	2593.0	1.30	1 / 53	25.03	26.33	0.430	33.01	-6.68
	256-QAM	2670.0	1.30	1 / 104	22.29	23.59	0.229	33.01	-9.42
50 MHz	π/2 BPSK	2521.0	1.30	1 / 1	27.19	28.49	0.706	33.01	-4.52
		2593.0	1.30	1 / 131	27.20	**28.50**	0.708	33.01	-4.51
		2665.0	1.30	1 / 1	27.01	28.31	0.678	33.01	-4.70
	QPSK	2521.0	1.30	1 / 66	26.92	28.22	0.664	33.01	-4.79
		2593.0	1.30	1 / 1	27.12	28.42	0.695	33.01	-4.59
		2665.0	1.30	1 / 131	27.20	**28.50**	0.708	33.01	-4.51
	16-QAM	2521.0	1.30	1 / 66	26.19	27.49	0.561	33.01	-5.52
	64-QAM	2521.0	1.30	1 / 131	25.19	26.49	0.446	33.01	-6.52
	256-QAM	2593.0	1.30	1 / 1	22.26	23.56	0.227	33.01	-9.45
60 MHz	π/2 BPSK	2526.0	1.30	1 / 1	27.20	**28.50**	0.708	33.01	-4.51
		2593.0	1.30	1 / 81	27.02	28.32	0.679	33.01	-4.69
		2660.0	1.30	1 / 160	27.09	28.39	0.690	33.01	-4.62
	QPSK	2526.0	1.30	1 / 1	27.10	28.40	0.692	33.01	-4.61
		2593.0	1.30	1 / 1	27.16	28.46	0.701	33.01	-4.55
		2660.0	1.30	1 / 81	27.04	28.34	0.682	33.01	-4.67
	16-QAM	2526.0	1.30	1 / 81	26.16	27.46	0.557	33.01	-5.55
	64-QAM	2593.0	1.30	1 / 81	25.29	26.59	0.456	33.01	-6.42
	256-QAM	2593.0	1.30	1 / 160	22.22	23.52	0.225	33.01	-9.49
70 MHz	π/2 BPSK	2531.0	1.30	1 / 1	27.10	28.40	0.692	33.01	-4.61
		2593.0	1.30	1 / 187	27.20	**28.50**	0.708	33.01	-4.51
		2655.0	1.30	1 / 1	27.10	28.40	0.692	33.01	-4.61
	QPSK	2531.0	1.30	1 / 187	26.92	28.22	0.664	33.01	-4.79
		2593.0	1.30	1 / 90	26.92	28.22	0.664	33.01	-4.79
		2655.0	1.30	1 / 90	27.01	28.31	0.678	33.01	-4.70
	16-QAM	2531.0	1.30	1 / 187	26.16	27.46	0.557	33.01	-5.55
	64-QAM	2593.0	1.30	1 / 187	25.19	26.49	0.446	33.01	-6.52
	256-QAM	2593.0	1.30	1 / 187	22.26	23.56	0.227	33.01	-9.45
80 MHz	π/2 BPSK	2536.0	1.30	1 / 108	27.20	**28.50**	0.708	33.01	-4.51
		2593.0	1.30	1 / 108	27.11	28.41	0.693	33.01	-4.60
		2650.0	1.30	1 / 1	26.90	28.20	0.661	33.01	-4.81
	QPSK	2536.0	1.30	1 / 215	27.16	28.46	0.701	33.01	-4.55
		2593.0	1.30	1 / 215	27.04	28.34	0.682	33.01	-4.67
		2650.0	1.30	1 / 215	27.20	**28.50**	0.708	33.01	-4.51
	16-QAM	2593.0	1.30	1 / 215	26.21	27.51	0.564	33.01	-5.50
	64-QAM	2536.0	1.30	1 / 1	25.16	26.46	0.443	33.01	-6.55
	256-QAM	2536.0	1.30	1 / 1	22.28	23.58	0.228	33.01	-9.43
90 MHz	π/2 BPSK	2541.0	1.30	1 / 1	27.07	28.37	0.687	33.01	-4.64
		2593.0	1.30	1 / 243	27.20	**28.50**	0.708	33.01	-4.51
		2645.0	1.30	1 / 1	27.20	**28.50**	0.708	33.01	-4.51
	QPSK	2541.0	1.30	1 / 122	27.00	28.30	0.676	33.01	-4.71
		2593.0	1.30	1 / 1	27.17	28.47	0.703	33.01	-4.54
		2645.0	1.30	1 / 122	27.20	**28.50**	0.708	33.01	-4.51
	16-QAM	2645.0	1.30	1 / 243	26.19	27.49	0.561	33.01	-5.52
	64-QAM	2645.0	1.30	1 / 243	25.22	26.52	0.449	33.01	-6.49
	256-QAM	2541.0	1.30	1 / 243	22.09	23.39	0.218	33.01	-9.62
100 MHz	π/2 BPSK	2546.0	1.30	1 / 271	27.09	28.39	0.690	33.01	-4.62
		2593.0	1.30	1 / 271	26.96	28.26	0.670	33.01	-4.75
		2640.0	1.30	1 / 1	27.10	28.40	0.692	33.01	-4.61
	QPSK	2546.0	1.30	1 / 271	27.14	28.44	0.698	33.01	-4.57
		2593.0	1.30	1 / 1	27.20	**28.50**	0.708	33.01	-4.51
		2640.0	1.30	1 / 1	27.06	28.36	0.685	33.01	-4.65
	16-QAM	2640.0	1.30	1 / 135	26.26	27.56	0.570	33.01	-5.45
	64-QAM	2593.0	1.30	1 / 135	25.23	26.53	0.450	33.01	-6.48
	256-QAM	2593.0	1.30	1 / 135	22.25	23.55	0.226	33.01	-9.46

Table 7-31. Antenna 3 EIRP Data (NR Band n41(PC2))

NR Band n41(PC3)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [W]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	2501.0	1.30	1 / 22	25.54	**26.84**	0.483	33.01	-6.17
		2593.0	1.30	1 / 1	25.41	26.71	0.469	33.01	-6.30
		2685.0	1.30	1 / 1	25.35	26.65	0.462	33.01	-6.36
	QPSK	2501.0	1.30	1 / 12	25.70	**27.00**	0.501	33.01	-6.01
		2593.0	1.30	1 / 1	25.53	26.83	0.482	33.01	-6.18
		2685.0	1.30	1 / 1	25.68	26.98	0.499	33.01	-6.03
	16-QAM	2501.0	1.30	1 / 1	24.70	26.00	0.398	33.01	-7.01
	64-QAM	2685.0	1.30	1 / 1	23.70	25.00	0.316	33.01	-8.01
	256-QAM	2685.0	1.30	1 / 22	20.84	22.14	0.164	33.01	-10.87
15 MHz	π/2 BPSK	2503.5	1.30	1 / 19	25.61	**26.91**	0.491	33.01	-6.10
		2593.0	1.30	1 / 1	25.52	26.82	0.481	33.01	-6.19
		2682.5	1.30	1 / 36	25.55	26.85	0.484	33.01	-6.16
	QPSK	2503.5	1.30	1 / 1	25.57	26.87	0.486	33.01	-6.14
		2593.0	1.30	1 / 1	25.52	26.82	0.481	33.01	-6.19
		2682.5	1.30	1 / 19	25.63	**26.93**	0.493	33.01	-6.08
	16-QAM	2682.5	1.30	1 / 19	24.61	25.91	0.390	33.01	-7.10
	64-QAM	2503.5	1.30	1 / 1	23.68	24.98	0.315	33.01	-8.03
	256-QAM	2593.0	1.30	1 / 36	20.86	22.16	0.164	33.01	-10.85
20 MHz	π/2 BPSK	2506.0	1.30	1 / 49	25.63	**26.93**	0.493	33.01	-6.08
		2593.0	1.30	1 / 1	25.48	26.78	0.476	33.01	-6.23
		2680.0	1.30	1 / 25	25.63	26.93	0.493	33.01	-6.08
	QPSK	2506.0	1.30	1 / 49	25.67	26.97	0.498	33.01	-6.04
		2593.0	1.30	1 / 49	25.60	26.90	0.490	33.01	-6.11
		2680.0	1.30	1 / 49	25.70	**27.00**	0.501	33.01	-6.01
	16-QAM	2593.0	1.30	1 / 1	24.69	25.99	0.397	33.01	-7.02
	64-QAM	2506.0	1.30	1 / 25	23.68	24.98	0.315	33.01	-8.03
	256-QAM	2680.0	1.30	1 / 49	20.79	22.09	0.162	33.01	-10.92
30 MHz	π/2 BPSK	2511.0	1.30	1 / 39	25.68	26.98	0.499	33.01	-6.03
		2593.0	1.30	1 / 1	25.70	**27.00**	0.501	33.01	-6.01
		2675.0	1.30	1 / 39	25.45	26.75	0.473	33.01	-6.26
	QPSK	2511.0	1.30	1 / 76	25.66	26.96	0.497	33.01	-6.05
		2593.0	1.30	1 / 76	25.70	**27.00**	0.501	33.01	-6.01
		2675.0	1.30	1 / 1	25.55	26.85	0.484	33.01	-6.16
	16-QAM	2511.0	1.30	1 / 1	24.72	26.02	0.400	33.01	-6.99
	64-QAM	2511.0	1.30	1 / 1	23.67	24.97	0.314	33.01	-8.04
	256-QAM	2593.0	1.30	1 / 39	20.77	22.07	0.161	33.01	-10.94
40 MHz	π/2 BPSK	2516.0	1.30	1 / 53	25.46	26.76	0.474	33.01	-6.25
		2593.0	1.30	1 / 53	25.61	26.91	0.491	33.01	-6.10
		2670.0	1.30	1 / 53	25.58	26.88	0.488	33.01	-6.13
	QPSK	2516.0	1.30	1 / 53	25.70	**27.00**	0.501	33.01	-6.01
		2593.0	1.30	1 / 1	25.61	26.91	0.491	33.01	-6.10
		2670.0	1.30	1 / 104	25.70	**27.00**	0.501	33.01	-6.01
	16-QAM	2593.0	1.30	1 / 53	24.60	25.90	0.389	33.01	-7.11
	64-QAM	2593.0	1.30	1 / 1	23.69	24.99	0.316	33.01	-8.02
	256-QAM	2593.0	1.30	1 / 1	20.74	22.04	0.160	33.01	-10.97
50 MHz	π/2 BPSK	2521.0	1.30	1 / 66	25.70	**27.00**	0.501	33.01	-6.01
		2593.0	1.30	1 / 66	25.47	26.77	0.475	33.01	-6.24
		2665.0	1.30	1 / 1	25.59	26.89	0.489	33.01	-6.12
	QPSK	2521.0	1.30	1 / 131	25.58	26.88	0.488	33.01	-6.13
		2593.0	1.30	1 / 66	25.59	26.89	0.489	33.01	-6.12
		2665.0	1.30	1 / 131	25.57	26.87	0.486	33.01	-6.14
	16-QAM	2665.0	1.30	1 / 66	24.70	26.00	0.398	33.01	-7.01
	64-QAM	2665.0	1.30	1 / 131	23.72	25.02	0.318	33.01	-7.99
	256-QAM	2665.0	1.30	1 / 131	20.80	22.10	0.162	33.01	-10.91
60 MHz	π/2 BPSK	2526.0	1.30	1 / 81	25.60	26.90	0.490	33.01	-6.11
		2593.0	1.30	1 / 1	25.61	26.91	0.491	33.01	-6.10
		2660.0	1.30	1 / 160	25.30	26.60	0.457	33.01	-6.41
	QPSK	2526.0	1.30	1 / 1	25.43	26.73	0.471	33.01	-6.28
		2593.0	1.30	1 / 1	25.70	**27.00**	0.501	33.01	-6.01
		2660.0	1.30	1 / 81	25.49	26.79	0.478	33.01	-6.22
	16-QAM	2593.0	1.30	1 / 81	24.73	26.03	0.401	33.01	-6.98
	64-QAM	2660.0	1.30	1 / 160	23.71	25.01	0.317	33.01	-8.00
	256-QAM	2526.0	1.30	1 / 1	20.72	22.02	0.159	33.01	-10.99
70 MHz	π/2 BPSK	2531.0	1.30	1 / 1	25.54	26.84	0.483	33.01	-6.17
		2593.0	1.30	1 / 90	25.68	**26.98**	0.499	33.01	-6.03
		2655.0	1.30	1 / 187	25.62	26.92	0.492	33.01	-6.09
	QPSK	2531.0	1.30	1 / 90	25.52	26.82	0.481	33.01	-6.19
		2593.0	1.30	1 / 187	25.59	26.89	0.489	33.01	-6.12
		2655.0	1.30	1 / 1	25.53	26.83	0.482	33.01	-6.18
	16-QAM	2655.0	1.30	1 / 187	24.70	26.00	0.398	33.01	-7.01
	64-QAM	2655.0	1.30	1 / 90	23.70	25.00	0.316	33.01	-8.01
	256-QAM	2593.0	1.30	1 / 90	20.80	22.10	0.162	33.01	-10.91
80 MHz	π/2 BPSK	2536.0	1.30	1 / 1	25.69	**26.99**	0.500	33.01	-6.02
		2593.0	1.30	1 / 215	25.53	26.83	0.482	33.01	-6.18
		2650.0	1.30	1 / 215	25.52	26.82	0.481	33.01	-6.19
	QPSK	2536.0	1.30	1 / 108	25.61	26.91	0.491	33.01	-6.10
		2593.0	1.30	1 / 215	25.62	26.92	0.492	33.01	-6.09
		2650.0	1.30	1 / 108	25.67	26.97	0.498	33.01	-6.04
	16-QAM	2593.0	1.30	1 / 108	24.65	25.95	0.394	33.01	-7.06
	64-QAM	2536.0	1.30	1 / 1	23.68	24.98	0.315	33.01	-8.03
	256-QAM	2593.0	1.30	1 / 108	20.78	22.08	0.161	33.01	-10.93
90 MHz	π/2 BPSK	2541.0	1.30	1 / 243	25.49	26.79	0.478	33.01	-6.22
		2593.0	1.30	1 / 122	25.59	26.89	0.489	33.01	-6.12
		2645.0	1.30	1 / 243	25.70	**27.00**	0.501	33.01	-6.01
	QPSK	2541.0	1.30	1 / 1	25.62	26.92	0.492	33.01	-6.09
		2593.0	1.30	1 / 243	25.64	26.94	0.494	33.01	-6.07
		2645.0	1.30	1 / 122	25.54	26.84	0.483	33.01	-6.17
	16-QAM	2645.0	1.30	1 / 1	24.63	25.93	0.392	33.01	-7.08
	64-QAM	2645.0	1.30	1 / 1	23.75	25.05	0.320	33.01	-7.96
	256-QAM	2593.0	1.30	1 / 1	20.86	22.16	0.164	33.01	-10.85
100 MHz	π/2 BPSK	2546.0	1.30	1 / 1	25.64	**26.94**	0.494	33.01	-6.07
		2593.0	1.30	1 / 1	25.58	26.88	0.488	33.01	-6.13
		2640.0	1.30	1 / 135	25.62	26.92	0.492	33.01	-6.09
	QPSK	2546.0	1.30	1 / 1	25.57	26.87	0.486	33.01	-6.14
		2593.0	1.30	1 / 135	25.51	26.81	0.480	33.01	-6.20
		2640.0	1.30	1 / 1	25.62	26.92	0.492	33.01	-6.09
	16-QAM	2593.0	1.30	1 / 135	24.72	26.02	0.400	33.01	-6.99
	64-QAM	2640.0	1.30	1 / 1	23.67	24.97	0.314	33.01	-8.04
	256-QAM	2593.0	1.30	1 / 135	20.79	22.09	0.162	33.01	-10.92

Table 7-32. Antenna 3 EIRP Data (NR Band n41(PC3))

ULCA LTE Band 7

Power State	Band	Bandwidth (PCC + SCC)	PCC					SCC					ULCA Tx. Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [W]	EIRP Limit [dBm]	Margin [dB]
			Modulation	UL Channel	UL Frequency	UL # RB	UL RB Offset	Modulation	UL Channel	UL Frequency	UL # RB	UL RB Offset						
Max	LTE B7	20MHz + 20MHz	QPSK	20850	2510.0	1	99	QPSK	21048	2529.8	1	0	24.96	1.20	26.16	0.413	33.01	-6.85
				21100	2535.0	1	99		21298	2554.8	1	0	25.18	1.20	26.38	0.435	33.01	-6.63
				21350	2560.0	1	0		21152	2540.2	1	99	25.20	1.20	**26.40**	0.437	33.01	-6.61
			QPSK	21350	2560	100	0	QPSK	21152	2540.2	100	0	23.50	1.20	24.70	0.295	33.01	-8.31
			16-QAM	21350	2560	100	0	16-QAM	21152	2540.2	100	0	22.75	1.20	**23.95**	0.248	33.01	-9.06
			64-QAM	21350	2560	100	0	64-QAM	21152	2540.2	100	0	21.32	1.20	**22.52**	0.179	33.01	-10.49
			256-QAM	21350	2560	100	0	256-QAM	21152	2540.2	100	0	18.60	1.20	**19.80**	0.095	33.01	-13.21

Table 7-33. Antenna 3 EIRP Data (ULCA LTE Band 7)

ULCA LTE Band 41 (PC2)

Power State	Band	Bandwidth (PCC + SCC)	PCC					SCC					ULCA Tx. Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [W]	EIRP Limit [dBm]	Margin [dB]
			Modulation	UL Channel	UL Frequency	UL # RB	UL RB Offset	Modulation	UL Channel	UL Frequency	UL # RB	UL RB Offset						
Max	LTE B41 (PC2)	20MHz + 20MHz	QPSK	39750	2506.0	1	99	QPSK	39948	2525.8	1	0	27.20	1.30	**28.50**	0.708	33.01	-4.51
				39790	2510.0	1	99		39988	2529.8	1	0	26.80	1.30	28.10	0.646	33.01	-4.91
				40620	2593.0	1	99		40818	2612.8	1	0	26.73	1.30	28.03	0.635	33.01	-4.98
				41490	2680.0	1	0		41292	2660.2	1	99	26.88	1.30	28.18	0.658	33.01	-4.83
			QPSK	39750	2506	100	0	QPSK	39948	2525.8	100	0	25.37	1.30	26.67	0.465	33.01	-6.34
			16-QAM	39750	2506	100	0	16-QAM	39948	2525.8	100	0	25.10	1.30	**26.40**	0.437	33.01	-6.61
			64-QAM	39750	2506	100	0	64-QAM	39948	2525.8	100	0	24.06	1.30	**25.36**	0.344	33.01	-7.65
			256-QAM	39750	2506	100	0	256-QAM	39948	2525.8	100	0	20.82	1.30	**22.12**	0.163	33.01	-10.89

Table 7-34. Antenna 3 EIRP Data (ULCA LTE Band 41 (PC2))

ULCA LTE Band 41 (PC3)

Power State	Band	Bandwidth (PCC + SCC)	PCC					SCC					ULCA Tx. Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [W]	EIRP Limit [dBm]	Margin [dB]
			Modulation	UL Channel	UL Frequency	UL # RB	UL RB Offset	Modulation	UL Channel	UL Frequency	UL # RB	UL RB Offset						
Max	LTE B41 (PC3)	20MHz + 20MHz	QPSK	39750	2506.0	1	99	QPSK	39948	2525.8	1	0	25.52	1.30	26.82	0.481	33.01	-6.19
				39790	2510.0	1	99		39988	2529.8	1	0	25.60	1.30	26.90	0.490	33.01	-6.11
				40620	2593.0	1	99		40818	2612.8	1	0	25.70	1.30	27.00	0.501	33.01	-6.01
				41490	2680.0	1	0		41292	2660.2	1	99	25.32	1.30	26.62	0.459	33.01	-6.39
			QPSK	40620	2593	100	0	QPSK	40818	2612.8	100	0	24.40	1.30	25.70	0.372	33.01	-7.31
			16-QAM	40620	2593	100	0	16-QAM	40818	2612.8	100	0	23.77	1.30	**25.07**	0.321	33.01	-7.94
			64-QAM	40620	2593	100	0	64-QAM	40818	2612.8	100	0	22.05	1.30	23.35	0.216	33.01	-9.66
			256-QAM	40620	2593	100	0	256-QAM	40818	2612.8	100	0	18.99	1.30	20.29	0.107	33.01	-12.72

Table 7-35. Antenna 3 EIRP Data (ULCA LTE Band 41 (PC3))

7.6.4 Antenna 2b - EIRP

LTE-Band 30

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [W]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2307.5	0.60	1 / 12	21.87	22.47	0.177	23.98	-1.51
		2310.0	0.60	1 / 12	22.15	**22.75**	0.188	23.98	-1.23
		2312.5	0.60	1 / 0	21.90	22.50	0.178	23.98	-1.48
	16-QAM	2307.5	0.60	1 / 0	21.11	21.71	0.148	23.98	-2.27
	64-QAM	2310.0	0.60	1 / 12	20.13	20.73	0.118	23.98	-3.25
	256-QAM	2310.0	0.60	1 / 12	17.24	17.84	0.061	23.98	-6.14
10 MHz	QPSK	2310.0	0.60	1 / 49	22.02	**22.62**	0.183	23.98	-1.36
	16-QAM	2310.0	0.60	1 / 25	21.18	21.78	0.151	23.98	-2.20
	64-QAM	2310.0	0.60	1 / 49	19.85	20.45	0.111	23.98	-3.53
	256-QAM	2310.0	0.60	1 / 49	17.29	17.89	0.062	23.98	-6.09

Table 7-36. Antenna 2b EIRP Data (LTE Band 30)

LTE-Band 7

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [W]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2502.5	-0.50	1 / 0	22.20	**21.70**	0.148	33.01	-11.31
		2535.0	-0.50	1 / 0	22.17	21.67	0.147	33.01	-11.34
		2567.5	-0.50	1 / 12	22.06	21.56	0.143	33.01	-11.45
	16-QAM	2567.5	-0.50	1 / 12	21.18	20.68	0.117	33.01	-12.33
	64-QAM	2535.0	-0.50	1 / 12	20.01	19.51	0.089	33.01	-13.50
	256-QAM	2567.5	-0.50	1 / 24	17.24	16.74	0.047	33.01	-16.27
10 MHz	QPSK	2505.0	-0.50	1 / 0	22.19	21.69	0.148	33.01	-11.32
		2535.0	-0.50	1 / 0	22.20	**21.70**	0.148	33.01	-11.31
		2565.0	-0.50	1 / 25	22.19	21.69	0.148	33.01	-11.32
	16-QAM	2505.0	-0.50	1 / 25	21.25	20.75	0.119	33.01	-12.26
	64-QAM	2535.0	-0.50	1 / 25	20.23	19.73	0.094	33.01	-13.28
	256-QAM	2565.0	-0.50	1 / 0	17.32	16.82	0.048	33.01	-16.19
15 MHz	QPSK	2507.5	-0.50	1 / 37	22.17	21.67	0.147	33.01	-11.34
		2535.0	-0.50	1 / 74	22.05	21.55	0.143	33.01	-11.46
		2562.5	-0.50	1 / 0	22.19	**21.69**	0.148	33.01	-11.32
	16-QAM	2535.0	-0.50	1 / 0	21.17	20.67	0.117	33.01	-12.34
	64-QAM	2507.5	-0.50	1 / 74	20.18	19.68	0.093	33.01	-13.33
	256-QAM	2507.5	-0.50	1 / 37	17.22	16.72	0.047	33.01	-16.29
20 MHz	QPSK	2510.0	-0.50	1 / 50	22.01	21.51	0.142	33.01	-11.50
		2535.0	-0.50	1 / 99	22.11	**21.61**	0.145	33.01	-11.40
		2560.0	-0.50	1 / 99	22.20	21.70	0.148	33.01	-11.31
	16-QAM	2560.0	-0.50	1 / 50	21.20	20.70	0.117	33.01	-12.31
	64-QAM	2560.0	-0.50	1 / 50	20.19	19.69	0.093	33.01	-13.32
	256-QAM	2560.0	-0.50	1 / 50	17.29	**16.79**	0.048	33.01	-16.22

Table 7-37. Antenna 2b EIRP Data (LTE Band 7)

LTE-Band 41 (PC2)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [W]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2498.5	-1.10	1 / 12	28.10	**27.00**	0.501	33.01	-6.01
		2593.0	-1.10	1 / 24	28.11	27.01	0.502	33.01	-6.00
		2687.5	-1.10	1 / 24	28.12	27.02	0.504	33.01	-5.99
	16-QAM	2593.0	-1.10	1 / 12	27.16	26.06	0.404	33.01	-6.95
	64-QAM	2687.5	-1.10	1 / 12	26.13	25.03	0.318	33.01	-7.98
	256-QAM	2593.0	-1.10	1 / 0	23.18	22.08	0.161	33.01	-10.93
10 MHz	QPSK	2501.0	-1.10	1 / 0	28.20	**27.10**	0.513	33.01	-5.91
		2593.0	-1.10	1 / 0	27.99	26.89	0.489	33.01	-6.12
		2685.0	-1.10	1 / 0	28.12	27.02	0.504	33.01	-5.99
	16-QAM	2501.0	-1.10	1 / 0	27.19	26.09	0.406	33.01	-6.92
	64-QAM	2685.0	-1.10	1 / 25	26.23	25.13	0.326	33.01	-7.88
	256-QAM	2501.0	-1.10	1 / 0	23.36	22.26	0.168	33.01	-10.75
15 MHz	QPSK	2503.5	-1.10	1 / 0	28.03	**26.93**	0.493	33.01	-6.08
		2593.0	-1.10	1 / 37	28.01	26.91	0.491	33.01	-6.10
		2682.5	-1.10	1 / 37	28.20	27.10	0.513	33.01	-5.91
	16-QAM	2593.0	-1.10	1 / 0	27.19	26.09	0.406	33.01	-6.92
	64-QAM	2503.5	-1.10	1 / 74	26.12	25.02	0.318	33.01	-7.99
	256-QAM	2682.5	-1.10	1 / 37	23.24	22.14	0.164	33.01	-10.87
20 MHz	QPSK	2506.0	-1.10	1 / 0	28.08	**26.98**	0.499	33.01	-6.03
		2593.0	-1.10	1 / 0	28.20	27.10	0.513	33.01	-5.91
		2680.0	-1.10	1 / 50	27.97	26.87	0.486	33.01	-6.14
	16-QAM	2593.0	-1.10	1 / 0	27.24	26.14	0.411	33.01	-6.87
	64-QAM	2506.0	-1.10	1 / 50	26.18	25.08	0.322	33.01	-7.93
	256-QAM	2680.0	-1.10	1 / 50	23.26	**22.16**	0.164	33.01	-10.85

Table 7-38. Antenna 2b EIRP Data (LTE Band 41(PC2))

LTE-Band 41 (PC3)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [W]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2498.5	-1.10	1 / 12	25.50	**24.40**	0.275	33.01	-8.61
		2593.0	-1.10	1 / 0	25.45	24.35	0.272	33.01	-8.66
		2687.5	-1.10	1 / 0	25.70	24.60	0.288	33.01	-8.41
	16-QAM	2687.5	-1.10	1 / 0	24.69	23.59	0.229	33.01	-9.42
	64-QAM	2498.5	-1.10	1 / 24	23.71	22.61	0.182	33.01	-10.40
	256-QAM	2498.5	-1.10	1 / 0	20.79	19.69	0.093	33.01	-13.32
10 MHz	QPSK	2501.0	-1.10	1 / 25	25.67	**24.57**	0.286	33.01	-8.44
		2593.0	-1.10	1 / 25	25.70	24.60	0.288	33.01	-8.41
		2685.0	-1.10	1 / 25	25.64	24.54	0.284	33.01	-8.47
	16-QAM	2685.0	-1.10	1 / 0	24.71	23.61	0.230	33.01	-9.40
	64-QAM	2593.0	-1.10	1 / 49	23.66	22.56	0.180	33.01	-10.45
	256-QAM	2501.0	-1.10	1 / 25	20.63	19.53	0.090	33.01	-13.48
15 MHz	QPSK	2503.5	-1.10	1 / 37	25.68	**24.58**	0.287	33.01	-8.43
		2593.0	-1.10	1 / 74	25.69	24.59	0.288	33.01	-8.42
		2682.5	-1.10	1 / 37	25.70	24.60	0.288	33.01	-8.41
	16-QAM	2593.0	-1.10	1 / 74	24.62	23.52	0.225	33.01	-9.49
	64-QAM	2682.5	-1.10	1 / 74	23.61	22.51	0.178	33.01	-10.50
	256-QAM	2503.5	-1.10	1 / 37	20.85	19.75	0.094	33.01	-13.26
20 MHz	QPSK	2506.0	-1.10	1 / 50	25.50	**24.40**	0.275	33.01	-8.61
		2593.0	-1.10	1 / 0	25.63	24.53	0.284	33.01	-8.48
		2680.0	-1.10	1 / 0	25.69	24.59	0.288	33.01	-8.42
	16-QAM	2506.0	-1.10	1 / 50	24.70	23.60	0.229	33.01	-9.41
	64-QAM	2593.0	-1.10	1 / 50	23.70	22.60	0.182	33.01	-10.41
	256-QAM	2593.0	-1.10	1 / 0	20.76	19.66	0.092	33.01	-13.35

Table 7-39. Antenna 2b EIRP Data (LTE Band 41(PC3))

NR Band n30

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [W]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	2307.5	0.60	1 / 12	22.04	**22.64**	0.184	23.98	-1.34
		2310.0	0.60	1 / 23	21.98	22.58	0.181	23.98	-1.40
		2312.5	0.60	1 / 23	22.01	22.61	0.182	23.98	-1.37
	QPSK	2307.5	0.60	1 / 23	22.20	**22.80**	0.191	23.98	-1.18
		2310.0	0.60	1 / 23	22.19	22.79	0.190	23.98	-1.19
		2312.5	0.60	1 / 12	22.01	22.61	0.182	23.98	-1.37
	16-QAM	2312.5	0.60	1 / 1	21.22	21.82	0.152	23.98	-2.16
	64-QAM	2310.0	0.60	1 / 23	20.24	20.84	0.121	23.98	-3.14
	256-QAM	2307.5	0.60	1 / 23	17.36	17.96	0.063	23.98	-6.02
10 MHz	π/2 BPSK	2310.0	0.60	1 / 25	22.20	**22.80**	0.191	23.98	-1.18
	QPSK	2310.0	0.60	1 / 1	22.13	22.73	0.187	23.98	-1.25
	16-QAM	2310.0	0.60	1 / 1	21.20	21.80	0.151	23.98	-2.18
	64-QAM	2310.0	0.60	1 / 1	20.17	20.77	0.119	23.98	-3.21
	256-QAM	2310.0	0.60	1 / 25	17.30	17.90	0.062	23.98	-6.08

Table 7-40. Antenna 2b EIRP Data (NR Band n30)

NR Band n7

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [W]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	2502.5	-0.50	1 / 23	22.10	**21.60**	0.145	33.01	-11.41
		2535.0	-0.50	1 / 23	22.08	21.58	0.144	33.01	-11.43
		2567.5	-0.50	1 / 1	22.17	21.67	0.147	33.01	-11.34
	QPSK	2502.5	-0.50	1 / 1	22.08	21.58	0.144	33.01	-11.43
		2535.0	-0.50	1 / 1	21.98	21.48	0.141	33.01	-11.53
		2567.5	-0.50	1 / 12	22.20	**21.70**	0.148	33.01	-11.31
	16-QAM	2502.5	-0.50	1 / 12	21.20	20.70	0.117	33.01	-12.31
	64-QAM	2502.5	-0.50	1 / 1	20.05	19.55	0.090	33.01	-13.46
	256-QAM	2567.5	-0.50	1 / 23	17.20	16.70	0.047	33.01	-16.31
10 MHz	π/2 BPSK	2505.0	-0.50	1 / 1	22.13	21.63	0.146	33.01	-11.38
		2535.0	-0.50	1 / 25	22.20	**21.70**	0.148	33.01	-11.31
		2565.0	-0.50	1 / 1	22.16	21.66	0.147	33.01	-11.35
	QPSK	2505.0	-0.50	1 / 1	22.12	21.62	0.145	33.01	-11.39
		2535.0	-0.50	1 / 50	22.13	21.63	0.146	33.01	-11.38
		2565.0	-0.50	1 / 25	22.19	21.69	0.148	33.01	-11.32
	16-QAM	2505.0	-0.50	1 / 50	21.21	20.71	0.118	33.01	-12.30
	64-QAM	2505.0	-0.50	1 / 1	20.17	19.67	0.093	33.01	-13.34
	256-QAM	2535.0	-0.50	1 / 1	17.23	16.73	0.047	33.01	-16.28
15 MHz	π/2 BPSK	2507.5	-0.50	1 / 1	22.00	21.50	0.141	33.01	-11.51
		2535.0	-0.50	1 / 1	22.15	21.65	0.146	33.01	-11.36
		2562.5	-0.50	1 / 37	22.20	**21.70**	0.148	33.01	-11.31
	QPSK	2507.5	-0.50	1 / 37	22.02	21.52	0.142	33.01	-11.49
		2535.0	-0.50	1 / 1	21.93	21.43	0.139	33.01	-11.58
		2562.5	-0.50	1 / 37	22.16	21.66	0.147	33.01	-11.35
	16-QAM	2562.5	-0.50	1 / 1	21.21	20.71	0.118	33.01	-12.30
	64-QAM	2562.5	-0.50	1 / 77	20.23	19.73	0.094	33.01	-13.28
	256-QAM	2507.5	-0.50	1 / 37	17.30	16.80	0.048	33.01	-16.21
20 MHz	π/2 BPSK	2510.0	-0.50	1 / 50	21.97	21.47	0.140	33.01	-11.54
		2535.0	-0.50	1 / 50	22.03	21.53	0.142	33.01	-11.48
		2560.0	-0.50	1 / 50	22.20	**21.70**	0.148	33.01	-11.31
	QPSK	2510.0	-0.50	1 / 1	22.10	21.60	0.145	33.01	-11.41
		2535.0	-0.50	1 / 1	21.96	21.46	0.140	33.01	-11.55
		2560.0	-0.50	1 / 50	22.11	21.61	0.145	33.01	-11.40
	16-QAM	2560.0	-0.50	1 / 50	21.22	20.72	0.118	33.01	-12.29
	64-QAM	2535.0	-0.50	1 / 50	20.20	19.70	0.093	33.01	-13.31
	256-QAM	2510.0	-0.50	1 / 104	17.29	16.79	0.048	33.01	-16.22
25 MHz	π/2 BPSK	2512.5	-0.50	1 / 1	21.91	21.41	0.138	33.01	-11.60
		2535.0	-0.50	1 / 1	22.12	21.62	0.145	33.01	-11.39
		2557.5	-0.50	1 / 131	22.20	**21.70**	0.148	33.01	-11.31
	QPSK	2512.5	-0.50	1 / 1	22.17	21.67	0.147	33.01	-11.34
		2535.0	-0.50	1 / 1	22.12	21.62	0.145	33.01	-11.39
		2557.5	-0.50	1 / 66	22.10	21.60	0.145	33.01	-11.41
	16-QAM	2557.5	-0.50	1 / 1	21.16	20.66	0.116	33.01	-12.35
	64-QAM	2512.5	-0.50	1 / 66	20.16	19.66	0.092	33.01	-13.35
	256-QAM	2535.0	-0.50	1 / 1	17.31	16.81	0.048	33.01	-16.20
30 MHz	π/2 BPSK	2515.0	-0.50	1 / 158	22.16	21.66	0.147	33.01	-11.35
		2535.0	-0.50	1 / 1	22.02	21.52	0.142	33.01	-11.49
		2555.0	-0.50	1 / 158	22.18	21.68	0.147	33.01	-11.33
	QPSK	2515.0	-0.50	1 / 1	22.20	**21.70**	0.148	33.01	-11.31
		2535.0	-0.50	1 / 1	21.98	21.48	0.141	33.01	-11.53
		2555.0	-0.50	1 / 1	22.18	21.68	0.147	33.01	-11.33
	16-QAM	2515.0	-0.50	1 / 1	21.15	20.65	0.116	33.01	-12.36
	64-QAM	2555.0	-0.50	1 / 158	20.00	19.50	0.089	33.01	-13.51
	256-QAM	2535.0	-0.50	1 / 158	17.25	16.75	0.047	33.01	-16.26
35 MHz	π/2 BPSK	2517.5	-0.50	1 / 186	22.17	21.67	0.147	33.01	-11.34
		2535.0	-0.50	1 / 1	22.20	**21.70**	0.148	33.01	-11.31
		2552.5	-0.50	1 / 93	22.04	21.54	0.143	33.01	-11.47
	QPSK	2517.5	-0.50	1 / 186	21.95	21.45	0.140	33.01	-11.56
		2535.0	-0.50	1 / 93	22.04	21.54	0.143	33.01	-11.47
		2552.5	-0.50	1 / 186	22.16	21.66	0.147	33.01	-11.35
	16-QAM	2535	-0.50	1 / 186	21.23	20.73	0.118	33.01	-12.28
	64-QAM	2517.5	-0.50	1 / 1	20.23	19.73	0.094	33.01	-13.28
	256-QAM	2535	-0.50	1 / 186	17.32	16.82	0.048	33.01	-16.19
40 MHz	π/2 BPSK	2520.0	-0.50	1 / 214	22.16	21.66	0.147	33.01	-11.35
		2535.0	-0.50	1 / 214	22.14	21.64	0.146	33.01	-11.37
		2550.0	-0.50	1 / 1	22.00	21.50	0.141	33.01	-11.51
	QPSK	2520.0	-0.50	1 / 108	22.16	21.66	0.147	33.01	-11.35
		2535.0	-0.50	1 / 1	22.20	**21.70**	0.148	33.01	-11.31
		2550.0	-0.50	1 / 108	22.00	21.50	0.141	33.01	-11.51
	16-QAM	2535.0	-0.50	1 / 108	21.23	20.73	0.118	33.01	-12.28
	64-QAM	2520.0	-0.50	1 / 108	20.14	19.64	0.092	33.01	-13.37
	256-QAM	2550.0	-0.50	1 / 214	17.24	16.74	0.047	33.01	-16.27

Table 7-41. Antenna 2b EIRP Data (NR Band n7)

NR Band n41(PC2)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [W]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	2501.0	-1.10	1 / 12	28.19	**27.09**	0.512	33.01	-5.92
		2593.0	-1.10	1 / 12	28.20	**27.10**	0.513	33.01	-5.91
		2685.0	-1.10	1 / 22	28.10	27.00	0.501	33.01	-6.01
	QPSK	2501.0	-1.10	1 / 1	28.08	26.98	0.499	33.01	-6.03
		2593.0	-1.10	1 / 12	27.94	26.84	0.483	33.01	-6.17
		2685.0	-1.10	1 / 1	28.06	26.96	0.497	33.01	-6.05
	16-QAM	2593.0	-1.10	1 / 1	27.06	25.96	0.394	33.01	-7.05
	64-QAM	2501.0	-1.10	1 / 12	26.22	25.12	0.325	33.01	-7.89
	256-QAM	2685.0	-1.10	1 / 1	23.32	22.22	0.167	33.01	-10.79
15 MHz	π/2 BPSK	2503.5	-1.10	1 / 19	28.16	**27.06**	0.508	33.01	-5.95
		2593.0	-1.10	1 / 19	28.02	26.92	0.492	33.01	-6.09
		2682.5	-1.10	1 / 1	28.14	27.04	0.506	33.01	-5.97
	QPSK	2503.5	-1.10	1 / 1	28.20	**27.10**	0.513	33.01	-5.91
		2593.0	-1.10	1 / 36	28.12	27.02	0.504	33.01	-5.99
		2682.5	-1.10	1 / 1	27.87	26.77	0.475	33.01	-6.24
	16-QAM	2682.5	-1.10	1 / 19	27.16	26.06	0.404	33.01	-6.95
	64-QAM	2593.0	-1.10	1 / 36	26.11	25.01	0.317	33.01	-8.00
	256-QAM	2682.5	-1.10	1 / 36	23.37	22.27	0.169	33.01	-10.74
20 MHz	π/2 BPSK	2506.0	-1.10	1 / 1	28.18	**27.08**	0.511	33.01	-5.93
		2593.0	-1.10	1 / 25	28.09	26.99	0.500	33.01	-6.02
		2680.0	-1.10	1 / 49	27.88	26.78	0.476	33.01	-6.23
	QPSK	2506.0	-1.10	1 / 25	28.20	**27.10**	0.513	33.01	-5.91
		2593.0	-1.10	1 / 1	28.20	**27.10**	0.513	33.01	-5.91
		2680.0	-1.10	1 / 1	28.10	27.00	0.501	33.01	-6.01
	16-QAM	2506.0	-1.10	1 / 25	27.15	26.05	0.403	33.01	-6.96
	64-QAM	2680.0	-1.10	1 / 1	26.26	25.16	0.328	33.01	-7.85
	256-QAM	2593.0	-1.10	1 / 49	23.22	22.12	0.163	33.01	-10.89
30 MHz	π/2 BPSK	2511.0	-1.10	1 / 1	28.16	27.06	0.508	33.01	-5.95
		2593.0	-1.10	1 / 39	28.18	27.08	0.511	33.01	-5.93
		2675.0	-1.10	1 / 1	28.18	27.08	0.511	33.01	-5.93
	QPSK	2511.0	-1.10	1 / 1	28.05	26.95	0.495	33.01	-6.06
		2593.0	-1.10	1 / 39	28.20	**27.10**	0.513	33.01	-5.91
		2675.0	-1.10	1 / 1	28.13	27.03	0.505	33.01	-5.98
	16-QAM	2511.0	-1.10	1 / 39	27.19	26.09	0.406	33.01	-6.92
	64-QAM	2675.0	-1.10	1 / 76	26.20	25.10	0.324	33.01	-7.91
	256-QAM	2593.0	-1.10	1 / 1	23.28	22.18	0.165	33.01	-10.83
40 MHz	π/2 BPSK	2516.0	-1.10	1 / 104	28.11	27.01	0.502	33.01	-6.00
		2593.0	-1.10	1 / 1	28.14	27.04	0.506	33.01	-5.97
		2670.0	-1.10	1 / 1	28.20	**27.10**	0.513	33.01	-5.91
	QPSK	2516.0	-1.10	1 / 1	28.19	27.09	0.512	33.01	-5.92
		2593.0	-1.10	1 / 53	28.07	26.97	0.498	33.01	-6.04
		2670.0	-1.10	1 / 53	28.10	27.00	0.501	33.01	-6.01
	16-QAM	2593.0	-1.10	1 / 53	27.07	25.97	0.395	33.01	-7.04
	64-QAM	2516.0	-1.10	1 / 104	26.23	25.13	0.326	33.01	-7.88
	256-QAM	2593.0	-1.10	1 / 104	23.28	22.18	0.165	33.01	-10.83
50 MHz	π/2 BPSK	2521.0	-1.10	1 / 66	28.07	26.97	0.498	33.01	-6.04
		2593.0	-1.10	1 / 131	27.95	26.85	0.484	33.01	-6.16
		2665.0	-1.10	1 / 131	28.05	26.95	0.495	33.01	-6.06
	QPSK	2521.0	-1.10	1 / 1	28.18	**27.08**	0.511	33.01	-5.93
		2593.0	-1.10	1 / 131	27.89	26.79	0.478	33.01	-6.22
		2665.0	-1.10	1 / 131	28.06	26.96	0.497	33.01	-6.05
	16-QAM	2593.0	-1.10	1 / 66	27.16	26.06	0.404	33.01	-6.95
	64-QAM	2665.0	-1.10	1 / 66	26.20	25.10	0.324	33.01	-7.91
	256-QAM	2665.0	-1.10	1 / 131	23.26	22.16	0.164	33.01	-10.85
60 MHz	π/2 BPSK	2526.0	-1.10	1 / 81	27.93	26.83	0.482	33.01	-6.18
		2593.0	-1.10	1 / 160	28.12	27.02	0.504	33.01	-5.99
		2660.0	-1.10	1 / 81	28.19	27.09	0.512	33.01	-5.92
	QPSK	2526.0	-1.10	1 / 160	28.20	**27.10**	0.513	33.01	-5.91
		2593.0	-1.10	1 / 1	28.13	27.03	0.505	33.01	-5.98
		2660.0	-1.10	1 / 81	28.14	27.04	0.506	33.01	-5.97
	16-QAM	2660.0	-1.10	1 / 81	27.18	26.08	0.406	33.01	-6.93
	64-QAM	2660.0	-1.10	1 / 160	26.14	25.04	0.319	33.01	-7.97
	256-QAM	2593.0	-1.10	1 / 81	23.23	22.13	0.163	33.01	-10.88
70 MHz	π/2 BPSK	2531.0	-1.10	1 / 187	28.20	**27.10**	0.513	33.01	-5.91
		2593.0	-1.10	1 / 187	28.16	27.06	0.508	33.01	-5.95
		2655.0	-1.10	1 / 187	28.08	26.98	0.499	33.01	-6.03
	QPSK	2531.0	-1.10	1 / 1	27.88	26.78	0.476	33.01	-6.23
		2593.0	-1.10	1 / 1	28.19	27.09	0.512	33.01	-5.92
		2655.0	-1.10	1 / 1	28.19	27.09	0.512	33.01	-5.92
	16-QAM	2531.0	-1.10	1 / 90	27.22	26.12	0.409	33.01	-6.89
	64-QAM	2531.0	-1.10	1 / 187	26.23	25.13	0.326	33.01	-7.88
	256-QAM	2593.0	-1.10	1 / 90	23.34	22.24	0.167	33.01	-10.77
80 MHz	π/2 BPSK	2536.0	-1.10	1 / 1	27.99	26.89	0.489	33.01	-6.12
		2593.0	-1.10	1 / 1	28.13	27.03	0.505	33.01	-5.98
		2650.0	-1.10	1 / 108	28.05	26.95	0.495	33.01	-6.06
	QPSK	2536.0	-1.10	1 / 1	28.20	**27.10**	0.513	33.01	-5.91
		2593.0	-1.10	1 / 215	28.02	26.92	0.492	33.01	-6.09
		2650.0	-1.10	1 / 1	28.12	27.02	0.504	33.01	-5.99
	16-QAM	2593.0	-1.10	1 / 108	27.19	26.09	0.406	33.01	-6.92
	64-QAM	2650.0	-1.10	1 / 215	26.18	25.08	0.322	33.01	-7.93
	256-QAM	2593.0	-1.10	1 / 108	23.32	22.22	0.167	33.01	-10.79
90 MHz	π/2 BPSK	2541.0	-1.10	1 / 1	28.10	27.00	0.501	33.01	-6.01
		2593.0	-1.10	1 / 1	28.20	**27.10**	0.513	33.01	-5.91
		2645.0	-1.10	1 / 122	28.13	27.03	0.505	33.01	-5.98
	QPSK	2541.0	-1.10	1 / 122	28.07	26.97	0.498	33.01	-6.04
		2593.0	-1.10	1 / 243	28.08	26.98	0.499	33.01	-6.03
		2645.0	-1.10	1 / 1	28.06	26.96	0.497	33.01	-6.05
	16-QAM	2593.0	-1.10	1 / 122	27.20	26.10	0.407	33.01	-6.91
	64-QAM	2593.0	-1.10	1 / 122	26.19	25.09	0.323	33.01	-7.92
	256-QAM	2541.0	-1.10	1 / 243	23.18	22.08	0.161	33.01	-10.93
100 MHz	π/2 BPSK	2546.0	-1.10	1 / 1	28.12	27.02	0.504	33.01	-5.99
		2593.0	-1.10	1 / 271	28.03	26.93	0.493	33.01	-6.08
		2640.0	-1.10	1 / 271	28.13	27.03	0.505	33.01	-5.98
	QPSK	2546.0	-1.10	1 / 1	27.94	26.84	0.483	33.01	-6.17
		2593.0	-1.10	1 / 135	28.07	26.97	0.498	33.01	-6.04
		2640.0	-1.10	1 / 271	28.15	**27.05**	0.507	33.01	-5.96
	16-QAM	2593.0	-1.10	1 / 135	27.09	25.99	0.397	33.01	-7.02
	64-QAM	2640.0	-1.10	1 / 271	26.18	25.08	0.322	33.01	-7.93
	256-QAM	2546.0	-1.10	1 / 135	23.19	22.09	0.162	33.01	-10.92

Table 7-42. Antenna 2b EIRP Data (NR Band n41(PC2))

NR Band n41(PC3)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [W]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	2501.0	-1.10	1 / 22	25.54	**24.44**	0.278	33.01	-8.57
		2593.0	-1.10	1 / 22	25.58	24.48	0.281	33.01	-8.53
		2685.0	-1.10	1 / 22	25.62	24.52	0.283	33.01	-8.49
	QPSK	2501.0	-1.10	1 / 1	25.61	24.51	0.282	33.01	-8.50
		2593.0	-1.10	1 / 22	25.62	24.52	0.283	33.01	-8.49
		2685.0	-1.10	1 / 12	25.63	**24.53**	0.284	33.01	-8.48
	16-QAM	2685.0	-1.10	1 / 12	24.71	23.61	0.230	33.01	-9.40
	64-QAM	2501.0	-1.10	1 / 22	23.72	22.62	0.183	33.01	-10.39
	256-QAM	2501.0	-1.10	1 / 22	20.74	19.64	0.092	33.01	-13.37
15 MHz	π/2 BPSK	2503.5	-1.10	1 / 36	25.58	**24.48**	0.281	33.01	-8.53
		2593.0	-1.10	1 / 36	25.70	**24.60**	0.288	33.01	-8.41
		2682.5	-1.10	1 / 1	25.70	**24.60**	0.288	33.01	-8.41
	QPSK	2503.5	-1.10	1 / 19	25.42	24.32	0.270	33.01	-8.69
		2593.0	-1.10	1 / 19	25.70	**24.60**	0.288	33.01	-8.41
		2682.5	-1.10	1 / 36	25.63	24.53	0.284	33.01	-8.48
	16-QAM	2503.5	-1.10	1 / 19	24.79	23.69	0.234	33.01	-9.32
	64-QAM	2593.0	-1.10	1 / 36	23.72	22.62	0.183	33.01	-10.39
	256-QAM	2503.5	-1.10	1 / 19	20.83	19.73	0.094	33.01	-13.28
20 MHz	π/2 BPSK	2506.0	-1.10	1 / 25	25.53	**24.43**	0.277	33.01	-8.58
		2593.0	-1.10	1 / 25	25.53	24.43	0.277	33.01	-8.58
		2680.0	-1.10	1 / 25	25.70	**24.60**	0.288	33.01	-8.41
	QPSK	2506.0	-1.10	1 / 49	25.53	24.43	0.277	33.01	-8.58
		2593.0	-1.10	1 / 25	25.60	24.50	0.282	33.01	-8.51
		2680.0	-1.10	1 / 1	25.60	24.50	0.282	33.01	-8.51
	16-QAM	2680.0	-1.10	1 / 25	24.71	23.61	0.230	33.01	-9.40
	64-QAM	2680.0	-1.10	1 / 49	23.72	22.62	0.183	33.01	-10.39
	256-QAM	2506.0	-1.10	1 / 49	20.81	19.71	0.094	33.01	-13.30
30 MHz	π/2 BPSK	2511.0	-1.10	1 / 1	25.66	24.56	0.286	33.01	-8.45
		2593.0	-1.10	1 / 39	25.57	24.47	0.280	33.01	-8.54
		2675.0	-1.10	1 / 1	25.69	**24.59**	0.288	33.01	-8.42
	QPSK	2511.0	-1.10	1 / 1	25.68	24.58	0.287	33.01	-8.43
		2593.0	-1.10	1 / 76	25.68	24.58	0.287	33.01	-8.43
		2675.0	-1.10	1 / 39	25.68	24.58	0.287	33.01	-8.43
	16-QAM	2593.0	-1.10	1 / 39	24.71	23.61	0.230	33.01	-9.40
	64-QAM	2593.0	-1.10	1 / 76	23.55	22.45	0.176	33.01	-10.56
	256-QAM	2593.0	-1.10	1 / 39	20.79	19.69	0.093	33.01	-13.32
40 MHz	π/2 BPSK	2516.0	-1.10	1 / 1	25.69	24.59	0.288	33.01	-8.42
		2593.0	-1.10	1 / 53	25.62	24.52	0.283	33.01	-8.49
		2670.0	-1.10	1 / 1	25.70	**24.60**	0.288	33.01	-8.41
	QPSK	2516.0	-1.10	1 / 104	25.60	24.50	0.282	33.01	-8.51
		2593.0	-1.10	1 / 104	25.68	24.58	0.287	33.01	-8.43
		2670.0	-1.10	1 / 1	25.58	24.48	0.281	33.01	-8.53
	16-QAM	2593.0	-1.10	1 / 53	24.70	23.60	0.229	33.01	-9.41
	64-QAM	2670.0	-1.10	1 / 1	23.67	22.57	0.181	33.01	-10.44
	256-QAM	2593.0	-1.10	1 / 1	20.78	19.68	0.093	33.01	-13.33
50 MHz	π/2 BPSK	2521.0	-1.10	1 / 131	25.62	24.52	0.283	33.01	-8.49
		2593.0	-1.10	1 / 1	25.63	24.53	0.284	33.01	-8.48
		2665.0	-1.10	1 / 66	25.59	24.49	0.281	33.01	-8.52
	QPSK	2521.0	-1.10	1 / 1	25.54	24.44	0.278	33.01	-8.57
		2593.0	-1.10	1 / 1	25.66	**24.56**	0.286	33.01	-8.45
		2665.0	-1.10	1 / 66	25.38	24.28	0.268	33.01	-8.73
	16-QAM	2665.0	-1.10	1 / 131	24.69	23.59	0.229	33.01	-9.42
	64-QAM	2521.0	-1.10	1 / 1	23.67	22.57	0.181	33.01	-10.44
	256-QAM	2665.0	-1.10	1 / 131	20.78	19.68	0.093	33.01	-13.33
60 MHz	π/2 BPSK	2526.0	-1.10	1 / 81	25.61	24.51	0.282	33.01	-8.50
		2593.0	-1.10	1 / 1	25.70	**24.60**	0.288	33.01	-8.41
		2660.0	-1.10	1 / 160	25.62	24.52	0.283	33.01	-8.49
	QPSK	2526.0	-1.10	1 / 160	25.47	24.37	0.274	33.01	-8.64
		2593.0	-1.10	1 / 160	25.50	24.40	0.275	33.01	-8.61
		2660.0	-1.10	1 / 81	25.50	24.40	0.275	33.01	-8.61
	16-QAM	2526.0	-1.10	1 / 81	24.71	23.61	0.230	33.01	-9.40
	64-QAM	2526.0	-1.10	1 / 160	23.68	22.58	0.181	33.01	-10.43
	256-QAM	2593.0	-1.10	1 / 160	20.74	19.64	0.092	33.01	-13.37
70 MHz	π/2 BPSK	2531.0	-1.10	1 / 187	25.63	24.53	0.284	33.01	-8.48
		2593.0	-1.10	1 / 1	25.70	**24.60**	0.288	33.01	-8.41
		2655.0	-1.10	1 / 90	25.65	24.55	0.285	33.01	-8.46
	QPSK	2531.0	-1.10	1 / 187	25.51	24.41	0.276	33.01	-8.60
		2593.0	-1.10	1 / 1	25.56	24.46	0.279	33.01	-8.55
		2655.0	-1.10	1 / 90	25.68	24.58	0.287	33.01	-8.43
	16-QAM	2531.0	-1.10	1 / 187	24.72	23.62	0.230	33.01	-9.39
	64-QAM	2531.0	-1.10	1 / 1	23.68	22.58	0.181	33.01	-10.43
	256-QAM	2593.0	-1.10	1 / 187	20.70	19.60	0.091	33.01	-13.41
80 MHz	π/2 BPSK	2536.0	-1.10	1 / 108	25.61	24.51	0.282	33.01	-8.50
		2593.0	-1.10	1 / 1	25.58	24.48	0.281	33.01	-8.53
		2650.0	-1.10	1 / 108	25.65	24.55	0.285	33.01	-8.46
	QPSK	2536.0	-1.10	1 / 215	25.62	24.52	0.283	33.01	-8.49
		2593.0	-1.10	1 / 1	25.65	24.55	0.285	33.01	-8.46
		2650.0	-1.10	1 / 1	25.66	**24.56**	0.286	33.01	-8.45
	16-QAM	2593.0	-1.10	1 / 1	24.74	23.64	0.231	33.01	-9.37
	64-QAM	2650.0	-1.10	1 / 1	23.68	22.58	0.181	33.01	-10.43
	256-QAM	2650.0	-1.10	1 / 108	20.79	19.69	0.093	33.01	-13.32
90 MHz	π/2 BPSK	2541.0	-1.10	1 / 1	25.70	**24.60**	0.288	33.01	-8.41
		2593.0	-1.10	1 / 243	25.54	24.44	0.278	33.01	-8.57
		2645.0	-1.10	1 / 1	25.68	24.58	0.287	33.01	-8.43
	QPSK	2541.0	-1.10	1 / 243	25.65	24.55	0.285	33.01	-8.46
		2593.0	-1.10	1 / 243	25.57	24.47	0.280	33.01	-8.54
		2645.0	-1.10	1 / 1	25.60	24.50	0.282	33.01	-8.51
	16-QAM	2645.0	-1.10	1 / 1	24.80	23.70	0.234	33.01	-9.31
	64-QAM	2593.0	-1.10	1 / 243	23.80	22.70	0.186	33.01	-10.31
	256-QAM	2593.0	-1.10	1 / 1	20.76	19.66	0.092	33.01	-13.35
100 MHz	π/2 BPSK	2546.0	-1.10	1 / 135	25.42	24.32	0.270	33.01	-8.69
		2593.0	-1.10	1 / 1	25.50	24.40	0.275	33.01	-8.61
		2640.0	-1.10	1 / 1	25.63	24.53	0.284	33.01	-8.48
	QPSK	2546.0	-1.10	1 / 271	25.57	24.47	0.280	33.01	-8.54
		2593.0	-1.10	1 / 271	25.63	24.53	0.284	33.01	-8.48
		2640.0	-1.10	1 / 271	25.67	**24.57**	0.286	33.01	-8.44
	16-QAM	2640.0	-1.10	1 / 135	24.59	23.49	0.223	33.01	-9.52
	64-QAM	2640.0	-1.10	1 / 135	23.68	22.58	0.181	33.01	-10.43
	256-QAM	2593.0	-1.10	1 / 135	20.75	19.65	0.092	33.01	-13.36

Table 7-43. Antenna 2b EIRP Data (NR Band n41(PC3))

ULCA LTE Band 7

Power State	Band	Bandwidth (PCC + SCC)	PCC					SCC					ULCA Tx. Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [W]	EIRP Limit [dBm]	Margin [dB]
			Modulation	UL Channel	UL Frequency	UL # RB	UL RB Offset	Modulation	UL Channel	UL Frequency	UL # RB	UL RB Offset						
Max	LTE B7	20MHz + 20MHz	QPSK	20850	2510.0	1	99	QPSK	21048	2529.8	1	0	21.74	-0.50	21.24	0.133	33.01	-11.77
				21100	2535.0	1	99		21298	2554.8	1	0	22.03	-0.50	**21.53**	0.142	33.01	-11.48
				21350	2560.0	1	0		21152	2540.2	1	99	21.85	-0.50	21.35	0.136	33.01	-11.66
			QPSK	21100	2535	100	0	QPSK	21298	2554.8	100	0	21.15	-0.50	20.65	0.116	33.01	-12.36
			16-QAM	21100	2535	100	0	16-QAM	21298	2554.8	100	0	19.26	-0.50	**18.76**	0.075	33.01	-14.25
			64-QAM	21100	2535	100	0	64-QAM	21298	2554.8	100	0	18.51	-0.50	**18.01**	0.063	33.01	-15.00
			256-QAM	21100	2535	100	0	256-QAM	21298	2554.8	100	0	16.24	-0.50	**15.74**	0.037	33.01	-17.27

Table 7-44. Antenna 2b EIRP Data (ULCA LTE Band 7)

ULCA LTE Band 41 (PC2)

Power State	Band	Bandwidth (PCC + SCC)	PCC					SCC					ULCA Tx. Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [W]	EIRP Limit [dBm]	Margin [dB]
			Modulation	UL Channel	UL Frequency	UL # RB	UL RB Offset	Modulation	UL Channel	UL Frequency	UL # RB	UL RB Offset						
Max	LTE B41 (PC2)	20MHz + 20MHz	QPSK	39750	2506.0	1	99	QPSK	39948	2525.8	1	0	28.19	-1.10	**27.09**	0.512	33.01	-5.92
				39790	2510.0	1	99		39988	2529.8	1	0	27.95	-1.10	26.85	0.484	33.01	-6.16
				40620	2593.0	1	99		40818	2612.8	1	0	28.14	-1.10	27.04	0.506	33.01	-5.97
				41490	2680.0	1	0		41292	2660.2	1	99	27.88	-1.10	26.78	0.476	33.01	-6.23
			QPSK	39750	2506	100	0	QPSK	39948	2525.8	100	0	27.20	-1.10	26.10	0.407	33.01	-6.91
			16-QAM	39750	2506	100	0	16-QAM	39948	2525.8	100	0	26.19	-1.10	**25.09**	0.323	33.01	-7.92
			64-QAM	39750	2506	100	0	64-QAM	39948	2525.8	100	0	24.64	-1.10	**23.54**	0.226	33.01	-9.47
			256-QAM	39750	2506	100	0	256-QAM	39948	2525.8	100	0	22.25	-1.10	**21.15**	0.130	33.01	-11.86

Table 7-45. Antenna 2b EIRP Data (ULCA LTE Band 41 (PC2))

ULCA LTE Band 41 (PC3)

Power State	Band	Bandwidth (PCC + SCC)	PCC					SCC					ULCA Tx. Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [W]	EIRP Limit [dBm]	Margin [dB]
			Modulation	UL Channel	UL Frequency	UL # RB	UL RB Offset	Modulation	UL Channel	UL Frequency	UL # RB	UL RB Offset						
Max	LTE B41 (PC3)	20MHz + 20MHz	QPSK	39750	2506.0	1	99	QPSK	39948	2525.8	1	0	25.54	-1.10	**24.44**	0.278	33.01	-8.57
				39790	2510.0	1	99		39988	2529.8	1	0	25.32	-1.10	24.22	0.264	33.01	-8.79
				40620	2593.0	1	99		40818	2612.8	1	0	25.33	-1.10	24.23	0.265	33.01	-8.78
				41490	2680.0	1	0		41292	2660.2	1	99	25.47	-1.10	24.37	0.274	33.01	-8.64
			QPSK	39750	2506	100	0	QPSK	39948	2525.8	100	0	23.79	-1.10	22.69	0.186	33.01	-10.32
			16-QAM	39750	2506	100	0	16-QAM	39948	2525.8	100	0	22.89	-1.10	**21.79**	0.151	33.01	-11.22
			64-QAM	39750	2506	100	0	64-QAM	39948	2525.8	100	0	22.10	-1.10	**21.00**	0.126	33.01	-12.01
			256-QAM	39750	2506	100	0	256-QAM	39948	2525.8	100	0	19.38	-1.10	**18.28**	0.067	33.01	-14.73

Table 7-46. Antenna 2b EIRP Data (ULCA LTE Band 41 (PC3))

7.7 Radiated Spurious Emissions

§2.1053, 27.53(a), 27.53(m)

Test Overview

Radiated spurious emissions measurements are performed using the field strength conversion method described in KDB 971168 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using horizontally and vertically polarized broadband hybrid antennas. Measurements on signals operating above 1GHz are performed using vertically and horizontally polarized broadband horn antennas. All measurements are performed while the EUT is operating at maximum power and at the appropriate frequencies.

Test Procedures Used

KDB 971168 D01 v03r01 – Section 5.8

Test Settings

1. RBW = 100kHz for emissions below 1GHz and 1MHz for emissions above 1GHz
2. VBW ≥ 3 x RBW
3. Span = 1.5 times the OBW
4. No. of sweep points ≥ 2 x span / RBW
5. Detector = RMS
6. Trace mode = Average (Max Hold for pulsed emissions)
7. The trace was allowed to stabilize

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

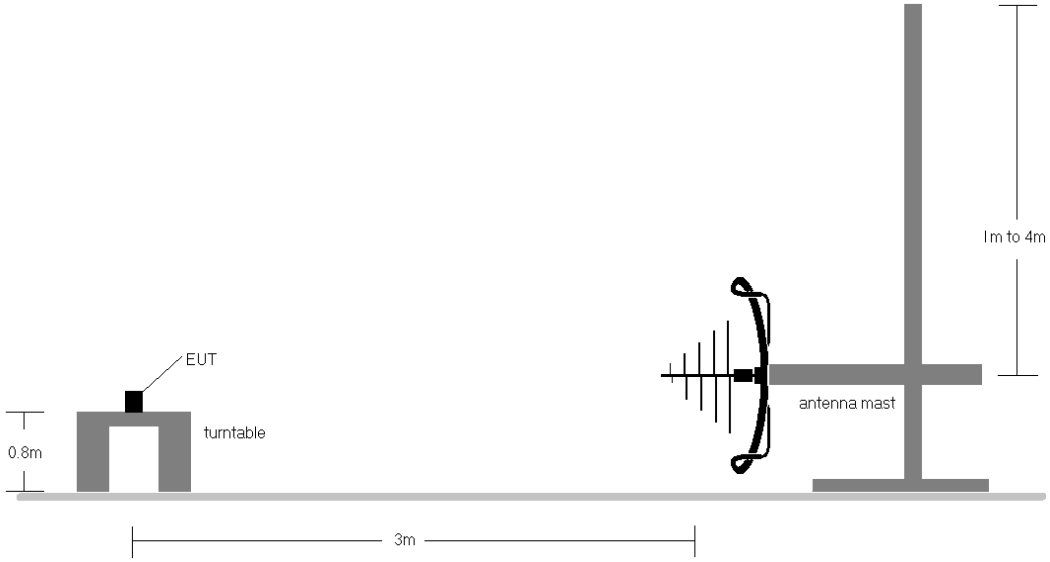


Figure 7-6. Test Instrument & Measurement Setup < 1GHz

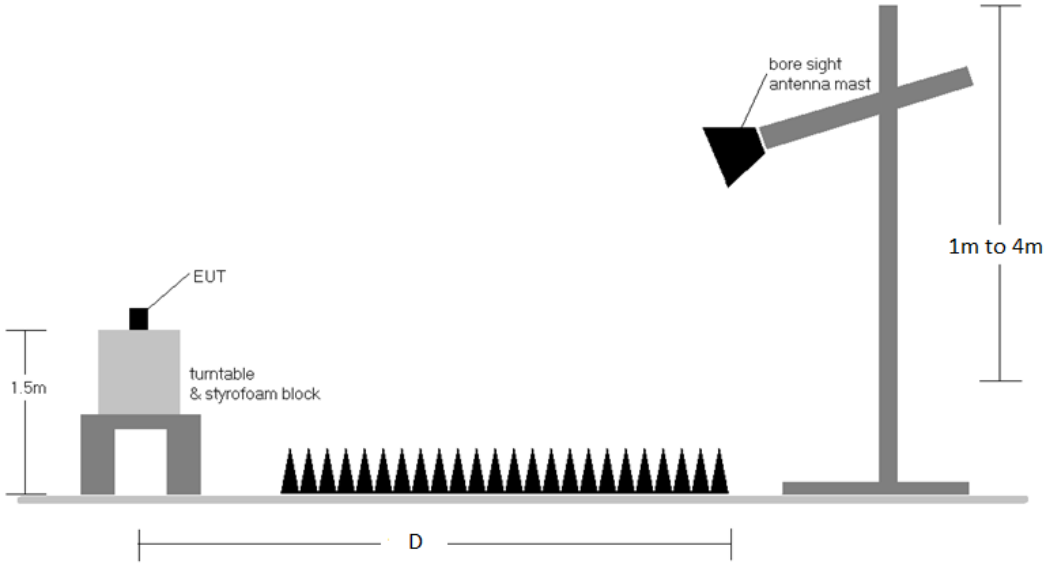


Figure 7-7. Test Instrument & Measurement Setup >1 GHz

Test Notes

1. Field strengths are calculated using the Measurement quantity conversions in KDB 971168 Section 5.8.4.
    a. E(dBµV/m) = Measured amplitude level (dBm) + 107 + Cable Loss (dB) + Antenna Factor (dB/m)
    b. EIRP (dBm) = E(dBµV/m) + 20logD – 104.8; where D is the measurement distance in meters.

2. The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.

3. This unit was tested with its standard battery.

4. The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.

5. Emissions below 18GHz were measured at a 3 meter test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.

6. The "-" shown in the following RSE tables are used to denote a noise floor measurement.

7. Uplink carrier aggregation intra-band radiated spurious emissions measurements were evaluated for the two contiguous channels using various combinations of RB size, RB offset, modulation, and channel bandwidth. The worst case (highest) emissions were found while operating with QPSK modulation with both carriers set to transmit using 1RB.

8. Uplink carrier aggregation for LTE Band 7 is only supported in this EUT while operating in Power Class 3.

9. Uplink carrier aggregation for LTE Band 41 is supported in this EUT while operating in Power Class 2 and Power Class 3.

10. Uplink carrier aggregation inter-band emission was investigated and found to not be the worst case.

11. For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) 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.

12. Spurious emission in EN-DC Operating mode with Sub 6GHz NR carrier as well as an LTE carrier (anchor) has been checked and was found to not to be the worst case.

13. For LTE Band 30 pre-scans above 1GHz, the RBW is set to 1MHz and VBW to 30kHz. For final measurements above 1GHz, the RBW is set to 1MHz and VBW to 3MHz when measuring with an RMS detector and trace averaging.

7.7.1 Antenna 4b Radiated Spurious Emission Measurements

LTE Band 30

Bandwidth (MHz):	5
Frequency (MHz):	2307.5
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4615.0	V	-	-	-77.27	4.36	34.09	-61.17	-40.00	-21.17
6922.5	V	-	-	-79.18	8.69	36.51	-58.75	-40.00	-18.75
9230.0	V	-	-	-81.23	9.70	35.47	-59.78	-40.00	-19.78

Table 7-47. Antenna 4b Radiated Spurious Data (LTE Band 30 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4620.0	V	-	-	-77.73	4.36	33.63	-61.62	-40.00	-21.62
6930.0	V	-	-	-78.99	8.69	36.70	-58.56	-40.00	-18.56
9240.0	V	-	-	-81.30	9.70	35.40	-59.86	-40.00	-19.86

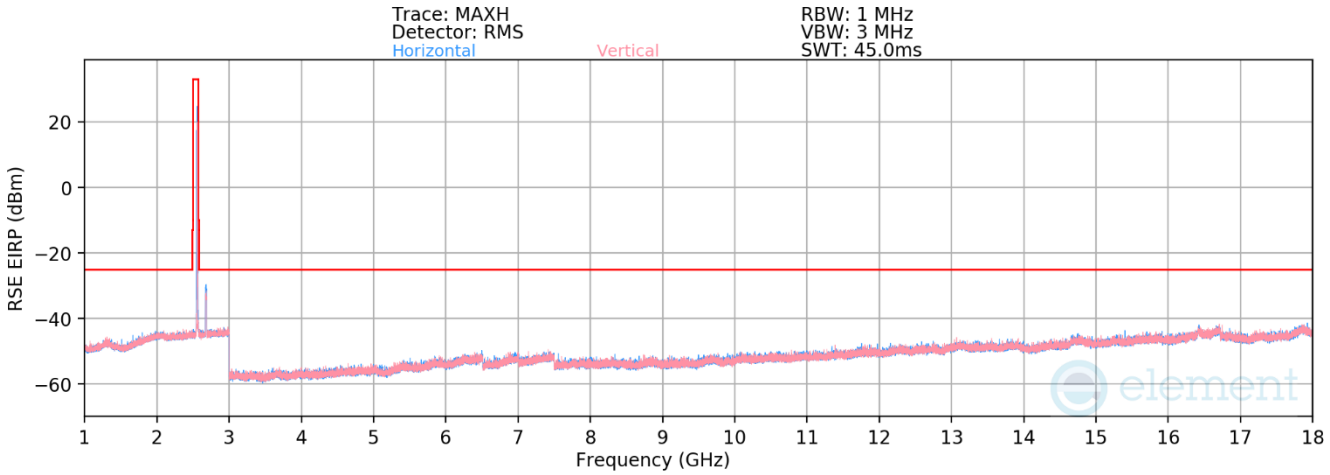
Table 7-48. Antenna 4b Radiated Spurious Data (LTE Band 30 – Mid Channel)

Bandwidth (MHz):	5
Frequency (MHz):	2312.5
RB / Offset:	1 / 25

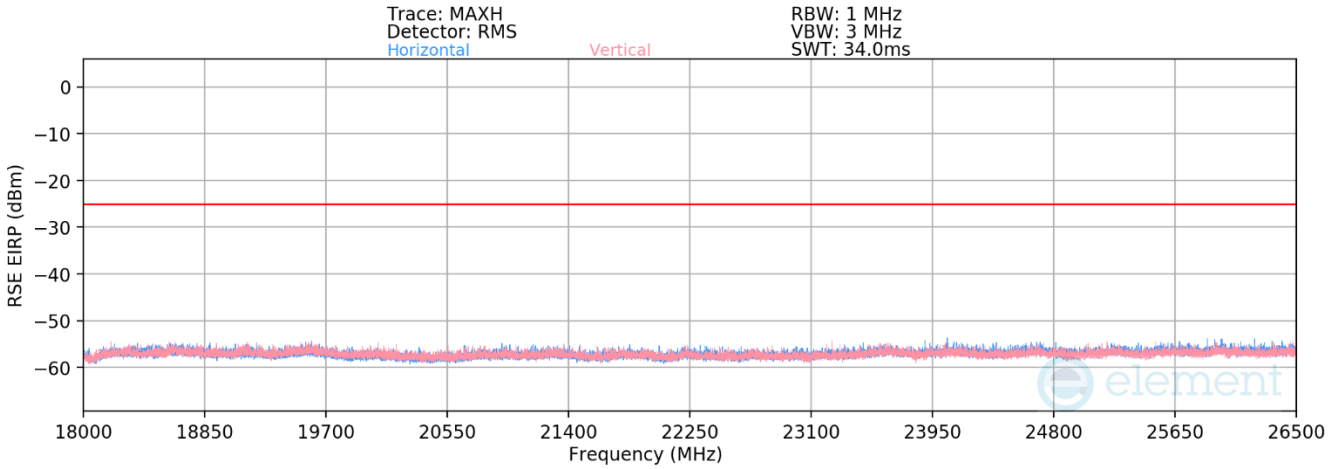
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4625.00	V	298	98	-75.74	4.40	35.67	-59.59	-40.00	-19.59
6937.50	V	-	-	-79.11	8.84	36.73	-58.53	-40.00	-18.53
9250.00	V	-	-	-80.78	9.75	35.97	-59.29	-40.00	-19.29
11562.50	V	-	-	-81.18	11.96	37.78	-57.48	-40.00	-17.48

Table 7-49. Antenna 4b Radiated Spurious Data (LTE Band 30 – High Channel)

LTE Band 7



Plot 7-883. Antenna 4b Radiated Spurious Plot 1GHz – 18GHz (LTE Band 7)



Plot 7-884. Antenna 4b Radiated Spurious Emission above 18GHz (LTE Band 7)

Bandwidth (MHz):	20
Frequency (MHz):	2510.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5020.0	V	-	-	-78.68	4.53	32.84	-62.41	-25.00	-37.41
7530.0	V	-	-	-80.46	8.44	34.98	-60.28	-25.00	-35.28
10040.0	V	-	-	-80.97	10.65	36.68	-58.58	-25.00	-33.58

Table 7-50. Antenna 4b Radiated Spurious Data (LTE Band 7 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2535.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5070.0	V	-	-	-78.81	4.82	33.01	-62.25	-25.00	-37.25
7605.0	V	-	-	-80.68	8.74	35.06	-60.20	-25.00	-35.20
10140.0	V	-	-	-81.16	10.80	36.64	-58.62	-25.00	-33.62

Table 7-51. Antenna 4b Radiated Spurious Data (LTE Band 7 – Mid Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2560.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5120.00	V	-	-	-78.77	4.97	33.20	-62.06	-25.00	-37.06
7680.00	V	-	-	-80.83	9.11	35.28	-59.97	-25.00	-34.97
10240.00	V	-	-	-80.62	10.69	37.08	-58.18	-25.00	-33.18

Table 7-52. Antenna 4b Radiated Spurious Data (LTE Band 7 – High Channel)

LTE Band 41

Bandwidth (MHz):	20
Frequency (MHz):	2506.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5012.0	V	-	-	-77.43	4.37	33.94	-61.31	-25.00	-36.31
7518.0	V	-	-	-79.83	8.44	35.61	-59.64	-25.00	-34.64
10024.0	V	-	-	-80.25	10.57	37.33	-57.93	-25.00	-32.93

Table 7-53. Antenna 4b Radiated Spurious Data (LTE Band 41 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2593.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.0	V	-	-	-77.82	4.70	33.88	-61.38	-25.00	-36.38
7779.0	V	-	-	-80.03	9.45	36.42	-58.84	-25.00	-33.84
10372.0	V	-	-	-79.79	10.49	37.69	-57.57	-25.00	-32.57

Table 7-54. Antenna 4b Radiated Spurious Data (LTE Band 41 – Mid Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2680.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5360.0	V	-	-	-77.99	5.38	34.39	-60.86	-25.00	-35.86
8040.0	V	-	-	-79.88	9.30	36.42	-58.83	-25.00	-33.83
10720.0	V	-	-	-79.97	11.00	38.02	-57.23	-25.00	-32.23

Table 7-55. Antenna 4b Radiated Spurious Data (LTE Band 41 – High Channel)

NR Band n30

Bandwidth (MHz):	5
Frequency (MHz):	2307.5
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4615.0	V	298	191	-75.70	4.36	35.66	-59.60	-40.00	-19.60
6922.5	V	-	-	-79.22	8.69	36.47	-58.79	-40.00	-18.79
9230.0	V	-	-	-81.21	9.70	35.49	-59.76	-40.00	-19.76
11537.5	V	-	-	-81.13	11.99	37.86	-57.40	-40.00	-17.40

Table 7-56. Antenna 4b Radiated Spurious Data (NR Band n30 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4620.0	V	298	190	-76.23	4.36	35.13	-60.13	-40.00	-20.13
6930.0	V	-	-	-79.38	8.84	36.46	-58.80	-40.00	-18.80
9240.0	V	-	-	-81.18	9.61	35.43	-59.83	-40.00	-19.83
11550.0	V	-	-	-80.96	11.93	37.97	-57.29	-40.00	-17.29

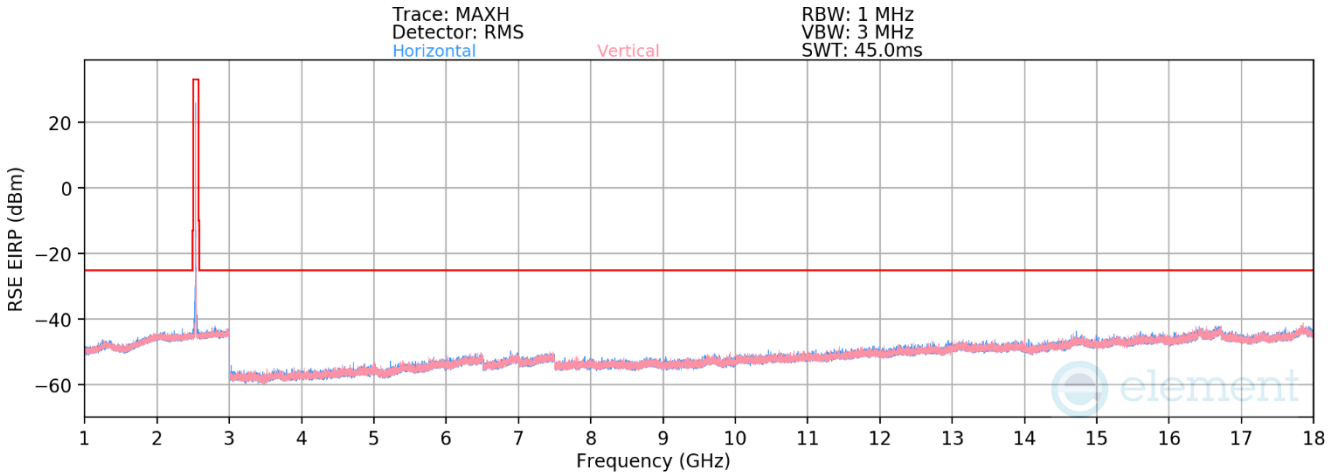
Table 7-57. Antenna 4b Radiated Spurious Data (NR Band n30 – Mid Channel)

Bandwidth (MHz):	5
Frequency (MHz):	2312.5
RB / Offset:	1 / 25

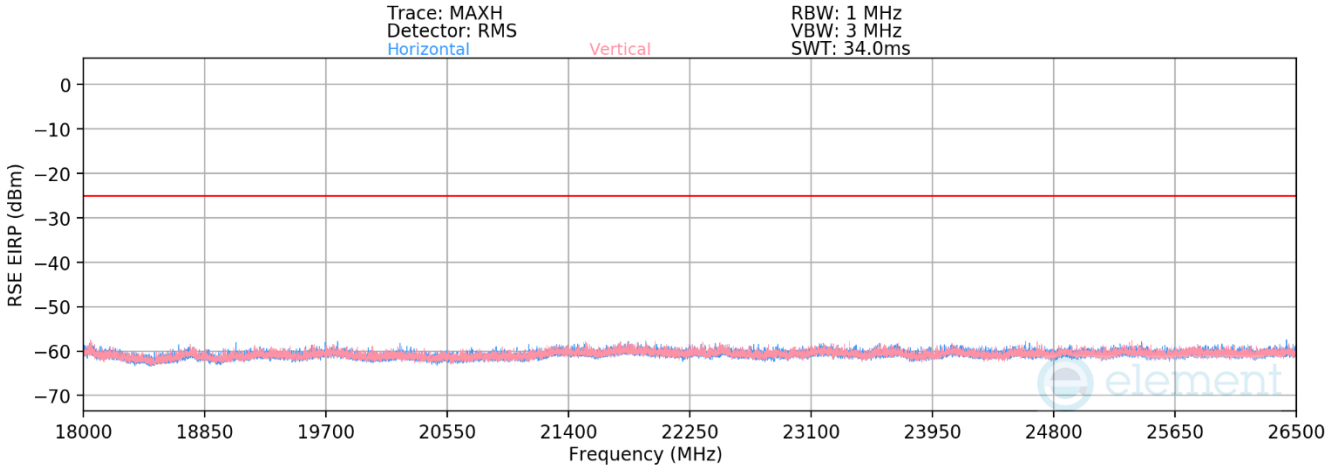
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4625.0	V	305	196	-76.40	4.40	35.00	-60.25	-40.00	-20.25
6937.5	V	-	-	-79.35	8.84	36.50	-58.76	-40.00	-18.76
9250.0	V	-	-	-81.23	9.79	35.56	-59.69	-40.00	-19.69
11562.5	V	-	-	-81.04	11.93	37.90	-57.36	-40.00	-17.36

Table 7-58. Antenna 4b Radiated Spurious Data (NR Band n30 – High Channel)

NR Band n7



Plot 7-885. Antenna 4b Radiated Spurious Plot 1GHz – 18GHz (NR Band n7)



Plot 7-886. Antenna 4b Radiated Spurious Emission above 18GHz (NR Band n7)

Bandwidth (MHz):	40
Frequency (MHz):	2520.0
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5040.0	V	-	-	-78.73	4.51	32.78	-62.48	-25.00	-37.48
7560.0	V	-	-	-80.30	8.43	35.14	-60.12	-25.00	-35.12
10080.0	V	-	-	-81.06	10.70	36.64	-58.62	-25.00	-33.62

Table 7-59. Antenna 4b Radiated Spurious Data (NR Band n7 – Low Channel)

Bandwidth (MHz):	40
Frequency (MHz):	2535.0
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5070.0	V	-	-	-78.69	4.82	33.13	-62.12	-25.00	-37.12
7605.0	V	-	-	-80.61	8.79	35.18	-60.08	-25.00	-35.08
10140.0	V	-	-	-81.06	10.70	36.63	-58.63	-25.00	-33.63

Table 7-60. Antenna 4b Radiated Spurious Data (NR Band n7 – Mid Channel)

Bandwidth (MHz):	40
Frequency (MHz):	2550.0
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5100.0	V	-	-	-78.93	5.00	33.07	-62.19	-25.00	-37.19
7650.0	V	-	-	-80.64	9.15	35.51	-59.74	-25.00	-34.74
10200.0	V	-	-	-80.94	10.86	36.91	-58.34	-25.00	-33.34

Table 7-61. Antenna 4b Radiated Spurious Data (NR Band n7 – High Channel)

NR Band n41

Bandwidth (MHz):	100
Frequency (MHz):	2546.0
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5092.0	V	-	-	-77.57	4.99	34.42	-60.84	-25.00	-35.84
7638.0	V	-	-	-79.67	8.90	36.23	-59.03	-25.00	-34.03
10184.0	V	-	-	-80.31	10.89	37.58	-57.67	-25.00	-32.67

Table 7-62. Antenna 4b Radiated Spurious Data (NR Band n41 – Low Channel)

Bandwidth (MHz):	100
Frequency (MHz):	2593.0
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.0	V	-	-	-77.46	4.70	34.24	-61.02	-25.00	-36.02
7779.0	V	-	-	-79.93	9.45	36.52	-58.74	-25.00	-33.74
10372.0	V	-	-	-79.57	10.49	37.91	-57.34	-25.00	-32.34

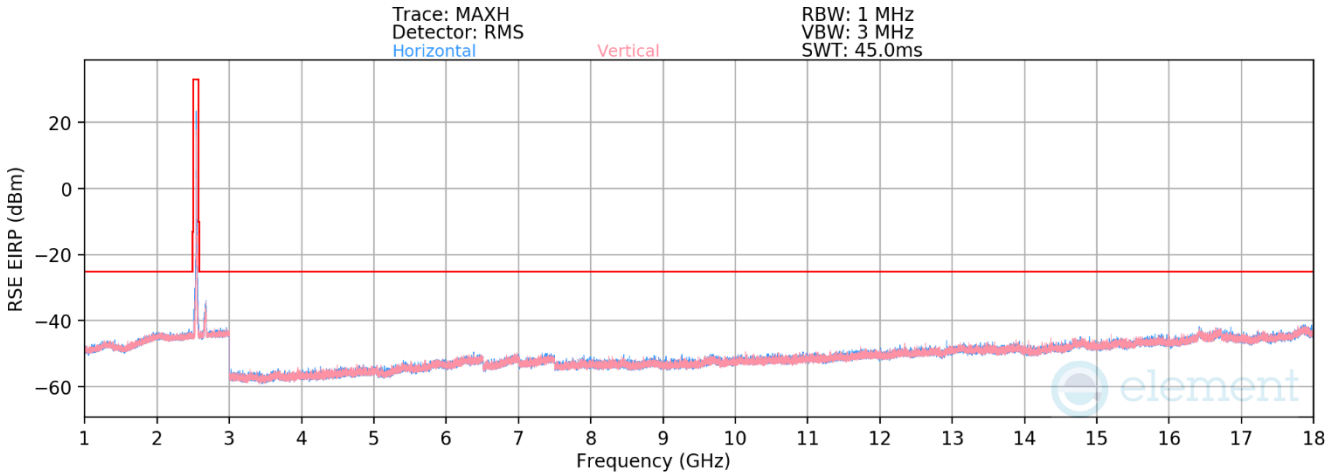
Table 7-63. Antenna 4b Radiated Spurious Data (NR Band n41 – Mid Channel)

Bandwidth (MHz):	100
Frequency (MHz):	2640.0
RB / Offset:	1 / 136

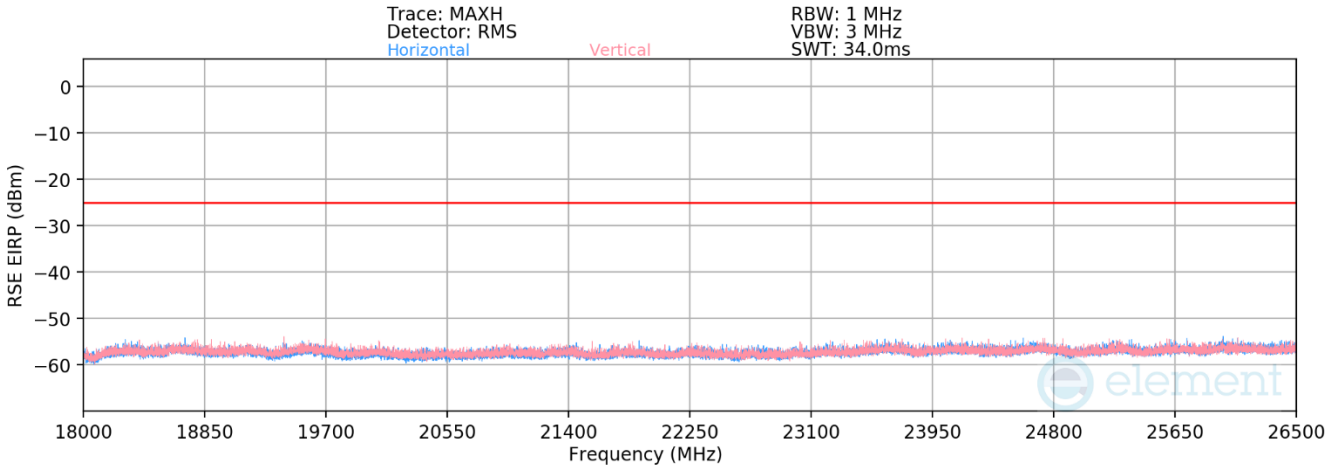
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5280.0	V	-	-	-77.51	4.95	34.44	-60.82	-25.00	-35.82
7920.0	V	-	-	-79.67	9.34	36.67	-58.59	-25.00	-33.59
10560.0	V	-	-	-80.09	11.57	38.49	-56.77	-25.00	-31.77

Table 7-64. Antenna 4b Radiated Spurious Data (NR Band n41 – High Channel)

ULCA - LTE Band 7



Plot 7-887. Antenna 4b Radiated Spurious Plot 1GHz – 18GHz (ULCA LTE Band 7)



Plot 7-888. Antenna 4b Radiated Spurious Emission above 18GHz (ULCA LTE Band 7)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2510.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2529.8
SCC RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5020.0	V	-	-	-78.92	4.53	32.61	-62.64	-25.00	-37.64
7530.0	V	-	-	-80.87	8.47	34.60	-60.66	-25.00	-35.66
10040.0	V	-	-	-81.57	10.62	36.05	-59.21	-25.00	-34.21
12550.0	V	-	-	-82.54	13.81	38.27	-56.98	-25.00	-31.98

Table 7-65. Antenna 4b Radiated Spurious Data (ULCA LTE Band 7 – Low Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2535.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2554.8
SCC RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5070.0	V	-	-	-79.16	4.89	32.73	-62.53	-25.00	-37.53
7605.0	V	-	-	-81.26	8.79	34.53	-60.73	-25.00	-35.73
10140.0	V	-	-	-81.41	10.66	36.25	-59.01	-25.00	-34.01
12675.0	V	-	-	-82.54	13.98	38.44	-56.82	-25.00	-31.82

Table 7-66. Antenna 4b Radiated Spurious Data (ULCA LTE Band 7 – Mid Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2560.0
PCC RB / Offset:	1 / 0
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2540.2
SCC RB / Offset:	1 / 99

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5120.0	V	-	-	-79.13	4.81	32.68	-62.58	-25.00	-37.58
7680.0	V	-	-	-81.26	9.15	34.89	-60.36	-25.00	-35.36
10240.0	V	-	-	-81.34	10.55	36.21	-59.05	-25.00	-34.05
12800.0	V	-	-	-82.02	13.85	38.83	-56.43	-25.00	-31.43

Table 7-67. Antenna 4b Radiated Spurious Data (ULCA LTE Band 7 – High Channel)

ULCA - LTE Band 41

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2506.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2525.8
SCC RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5012.0	V	-	-	-80.58	5.07	31.49	-63.77	-25.00	-38.77
7518.0	V	-	-	-82.55	8.57	33.02	-62.23	-25.00	-37.23
10024.0	V	-	-	-83.37	10.74	34.37	-60.88	-25.00	-35.88
12530.0	V	-	-	-85.43	13.63	35.20	-60.06	-25.00	-35.06

Table 7-68. Antenna 4b Radiated Spurious Data (ULCA LTE Band 41 – Low Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2593.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2612.8
SCC RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.0	V	-	-	-80.67	5.37	31.70	-63.56	-25.00	-38.56
7779.0	V	-	-	-82.67	8.61	32.94	-62.32	-25.00	-37.32
10372.0	V	-	-	-83.14	11.43	35.29	-59.97	-25.00	-34.97
12965.0	V	-	-	-84.52	13.94	36.42	-58.83	-25.00	-33.83

Table 7-69. Antenna 4b Radiated Spurious Data (ULCA LTE Band 41 – Mid Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2680.0
PCC RB / Offset:	1 / 0
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2660.2
SCC RB / Offset:	1 / 99

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5360.0	V	-	-	-81.14	6.11	31.97	-63.29	-25.00	-38.29
8040.0	V	-	-	-82.29	8.72	33.43	-61.83	-25.00	-36.83
10720.0	V	-	-	-82.94	11.13	35.19	-60.07	-25.00	-35.07
13400.0	V	-	-	-84.32	14.00	36.68	-58.57	-25.00	-33.57

Table 7-70. Antenna 4b Radiated Spurious Data (ULCA LTE Band 41 – High Channel)

7.7.2 Antenna 1 Radiated Spurious Emission Measurements

LTE Band 30

Bandwidth (MHz):	5
Frequency (MHz):	2307.5
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4615.0	V	298	194	-74.96	4.36	36.40	-58.86	-40.00	-18.86
6922.5	V	-	-	-79.08	8.69	36.61	-58.65	-40.00	-18.65
9230.0	V	-	-	-81.28	9.70	35.42	-59.84	-40.00	-19.84
11537.5	V	-	-	-81.03	11.99	37.96	-57.30	-40.00	-17.30

Table 7-71. Antenna 1 Radiated Spurious Data (LTE Band 30 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4620.0	V	326	101	-75.01	4.36	36.35	-58.91	-40.00	-18.91
6930.0	V	-	-	-78.97	8.69	36.72	-58.54	-40.00	-18.54
9240.0	V	-	-	-81.01	9.70	35.70	-59.56	-40.00	-19.56
11550.0	V	-	-	-81.22	11.93	37.72	-57.54	-40.00	-17.54

Table 7-72. Antenna 1 Radiated Spurious Data (LTE Band 30 – Mid Channel)

Bandwidth (MHz):	5
Frequency (MHz):	2312.5
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4625.00	V	319	194	-76.33	4.40	35.07	-60.19	-40.00	-20.19
6937.50	V	-	-	-79.16	8.84	36.68	-58.57	-40.00	-18.57
9250.00	V	-	-	-81.03	9.79	35.76	-59.49	-40.00	-19.49
11562.50	V	-	-	-81.16	11.96	37.80	-57.45	-40.00	-17.45

Table 7-73. Antenna 1 Radiated Spurious Data (LTE Band 30 – High Channel)

LTE Band 7

Bandwidth (MHz):	20
Frequency (MHz):	2510.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5020.0	V	-	-	-78.61	4.53	32.92	-62.34	-25.00	-37.34
7530.0	V	-	-	-80.29	8.44	35.15	-60.11	-25.00	-35.11
10040.0	V	-	-	-81.06	10.65	36.59	-58.66	-25.00	-33.66

Table 7-74. Antenna 1 Radiated Spurious Data (LTE Band 7 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2535.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5070.0	V	-	-	-78.55	4.82	33.27	-61.99	-25.00	-36.99
7605.0	V	-	-	-80.65	8.74	35.09	-60.16	-25.00	-35.16
10140.0	V	-	-	-80.92	10.70	36.77	-58.48	-25.00	-33.48

Table 7-75. Antenna 1 Radiated Spurious Data (LTE Band 7 – Mid Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2560.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5120.00	V	-	-	-78.72	4.97	33.25	-62.00	-25.00	-37.00
7680.00	V	-	-	-80.88	9.11	35.23	-60.03	-25.00	-35.03
10240.00	V	-	-	-80.61	10.69	37.08	-58.18	-25.00	-33.18

Table 7-76. Antenna 1 Radiated Spurious Data (LTE Band 7 – High Channel)

LTE Band 41

Bandwidth (MHz):	20
Frequency (MHz):	2506.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5012.0	V	-	-	-77.46	4.37	33.91	-61.35	-25.00	-36.35
7518.0	V	-	-	-79.67	8.47	35.81	-59.45	-25.00	-34.45
10024.0	V	-	-	-80.08	10.57	37.50	-57.76	-25.00	-32.76

Table 7-77. Antenna 1 Radiated Spurious Data (LTE Band 41 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2593.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.0	V	-	-	-77.82	4.70	33.88	-61.37	-25.00	-36.37
7779.0	V	-	-	-80.00	9.40	36.40	-58.86	-25.00	-33.86
10372.0	V	-	-	-79.74	10.49	37.74	-57.51	-25.00	-32.51

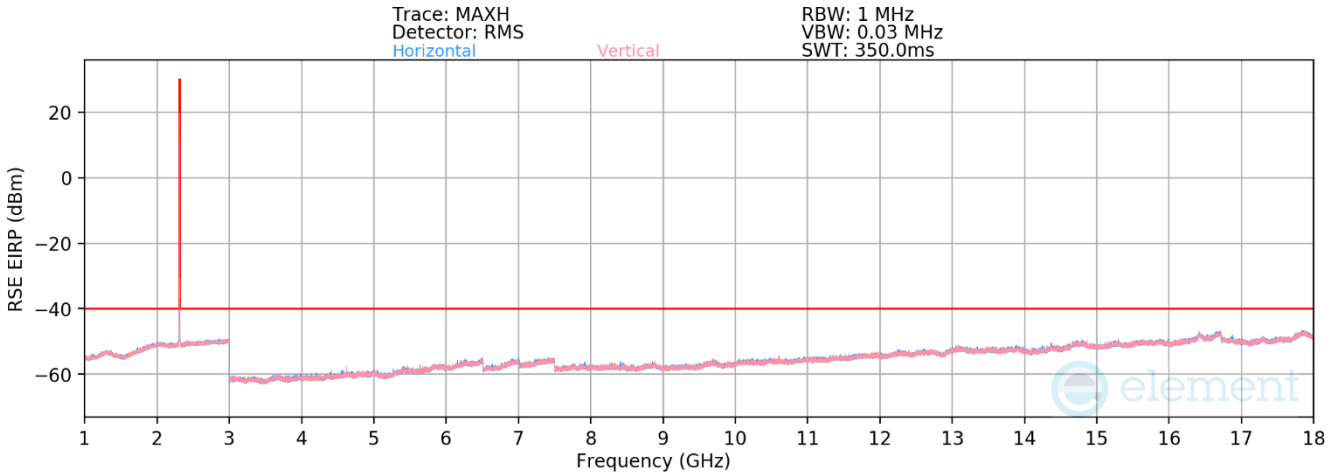
Table 7-78. Antenna 1 Radiated Spurious Data (LTE Band 41 – Mid Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2680.0
RB / Offset:	1 / 50

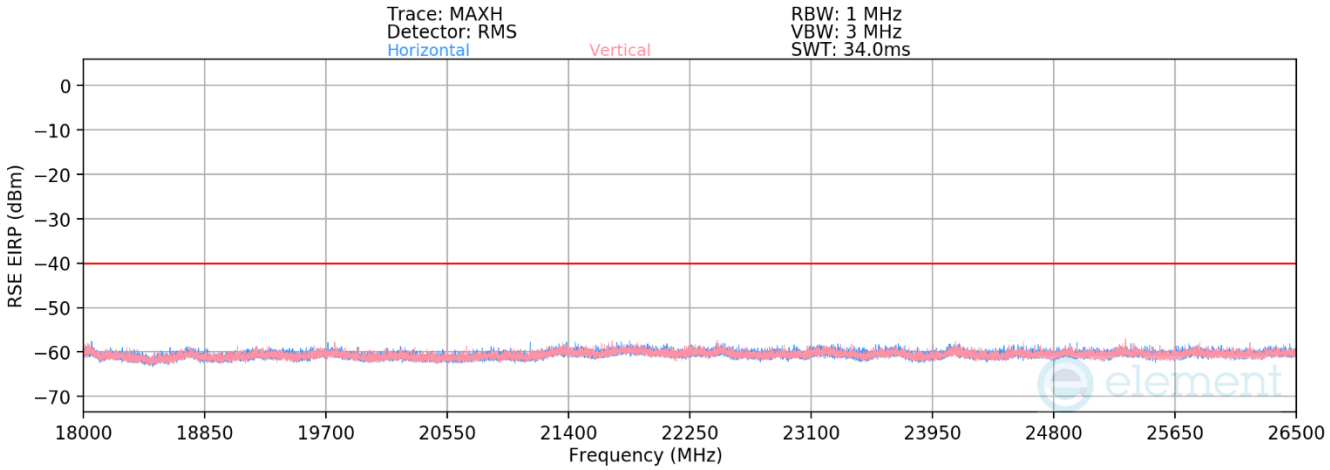
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5360.0	V	-	-	-77.87	5.38	34.51	-60.75	-25.00	-35.75
8040.0	V	-	-	-79.72	9.30	36.58	-58.68	-25.00	-33.68
10720.0	V	-	-	-80.12	11.00	37.88	-57.37	-25.00	-32.37

Table 7-79. Antenna 1 Radiated Spurious Data (LTE Band 41 – High Channel)

NR Band n30



Plot 7-889. Antenna 1 Radiated Spurious Plot 1GHz – 18GHz (NR Band n30)



Plot 7-890. Antenna 1 Radiated Spurious Emission above 18GHz (NR Band n30)

Bandwidth (MHz):	5
Frequency (MHz):	2307.5
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4615.0	V	305	193	-74.63	4.36	36.73	-58.53	-40.00	-18.53
6922.5	V	-	-	-79.25	8.69	36.44	-58.82	-40.00	-18.82
9230.0	V	-	-	-81.23	9.70	35.47	-59.78	-40.00	-19.78
11537.5	V	-	-	-81.14	12.00	37.86	-57.40	-40.00	-17.40

Table 7-80. Antenna 1 Radiated Spurious Data (NR Band n30 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4620.0	V	250	190	-74.16	4.36	37.20	-58.06	-40.00	-18.06
6930.0	V	-	-	-79.37	8.84	36.48	-58.78	-40.00	-18.78
9240.0	V	-	-	-81.38	9.70	35.32	-59.94	-40.00	-19.94
11550.0	V	-	-	-81.13	11.96	37.83	-57.43	-40.00	-17.43

Table 7-81. Antenna 1 Radiated Spurious Data (NR Band n30 – Mid Channel)

Bandwidth (MHz):	5
Frequency (MHz):	2312.5
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4625.0	V	236	190	-75.32	4.40	36.08	-59.18	-40.00	-19.18
6937.5	V	-	-	-79.11	8.84	36.73	-58.53	-40.00	-18.53
9250.0	V	-	-	-81.04	9.70	35.67	-59.59	-40.00	-19.59
11562.5	V	-	-	-81.06	11.96	37.90	-57.35	-40.00	-17.35

Table 7-82. Antenna 1 Radiated Spurious Data (NR Band n30 – High Channel)

NR Band n7

Bandwidth (MHz):	40
Frequency (MHz):	2520.0
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5040.0	V	-	-	-78.61	4.53	32.92	-62.34	-25.00	-37.34
7560.0	V	-	-	-80.29	8.44	35.15	-60.11	-25.00	-35.11
10080.0	V	-	-	-81.06	10.65	36.59	-58.66	-25.00	-33.66

Table 7-83. Antenna 1 Radiated Spurious Data (NR Band n7 – Low Channel)

Bandwidth (MHz):	40
Frequency (MHz):	2535.0
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5070.0	V	-	-	-78.55	4.82	33.27	-61.99	-25.00	-36.99
7605.0	V	-	-	-80.65	8.74	35.09	-60.16	-25.00	-35.16
10140.0	V	-	-	-80.92	10.70	36.77	-58.48	-25.00	-33.48

Table 7-84. Antenna 1 Radiated Spurious Data (NR Band n7 – Mid Channel)

Bandwidth (MHz):	40
Frequency (MHz):	2550.0
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5100.0	V	-	-	-78.72	4.97	33.25	-62.00	-25.00	-37.00
7650.0	V	-	-	-80.88	9.11	35.23	-60.03	-25.00	-35.03
10200.0	V	-	-	-80.61	10.69	37.08	-58.18	-25.00	-33.18

Table 7-85. Antenna 1 Radiated Spurious Data (NR Band n7 – High Channel)

NR Band n41

Bandwidth (MHz):	100
Frequency (MHz):	2546.0
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5092.0	V	-	-	-77.81	4.99	34.18	-61.08	-25.00	-36.08
7638.0	V	-	-	-79.64	8.90	36.26	-59.00	-25.00	-34.00
10184.0	V	-	-	-80.32	10.89	37.57	-57.69	-25.00	-32.69

Table 7-86. Antenna 1 Radiated Spurious Data (NR Band n41 – Low Channel)

Bandwidth (MHz):	100
Frequency (MHz):	2593.0
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.0	V	-	-	-77.43	4.70	34.28	-60.98	-25.00	-35.98
7779.0	V	229	8	-72.31	9.45	44.14	-51.12	-25.00	-26.12
10372.0	V	-	-	-79.52	10.49	37.96	-57.30	-25.00	-32.30
12965.0	V	-	-	-80.88	14.28	40.40	-54.85	-25.00	-29.85
15558.0	V	-	-	-80.46	15.56	42.10	-53.16	-25.00	-28.16

Table 7-87. Antenna 1 Radiated Spurious Data (NR Band n41 – Mid Channel)

Bandwidth (MHz):	100
Frequency (MHz):	2640.0
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5280.0	V	-	-	-77.31	4.95	34.65	-60.61	-25.00	-35.61
7920.0	V	-	-	-79.24	9.34	37.10	-58.16	-25.00	-33.16
10560.0	V	-	-	-79.96	11.47	38.51	-56.75	-25.00	-31.75

Table 7-88. Antenna 1 Radiated Spurious Data (NR Band n41 – High Channel)

ULCA - LTE Band 7

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2510.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2529.8
SCC RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5020.0	V	-	-	-80.59	5.14	31.55	-63.71	-25.00	-38.71
7530.0	V	-	-	-82.85	8.62	32.77	-62.49	-25.00	-37.49
10040.0	V	-	-	-82.64	10.78	35.14	-60.11	-25.00	-35.11
12550.0	V	-	-	-83.61	13.59	36.98	-58.28	-25.00	-33.28

Table 7-89. Antenna 1 Radiated Spurious Data (ULCA LTE Band 7 – Low Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2535.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2554.8
SCC RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5070.0	V	-	-	-81.42	5.58	31.16	-64.10	-25.00	-39.10
7605.0	V	-	-	-83.09	8.76	32.67	-62.59	-25.00	-37.59
10140.0	V	-	-	-82.80	10.86	35.06	-60.20	-25.00	-35.20
12675.0	V	-	-	-83.81	13.89	37.08	-58.17	-25.00	-33.17

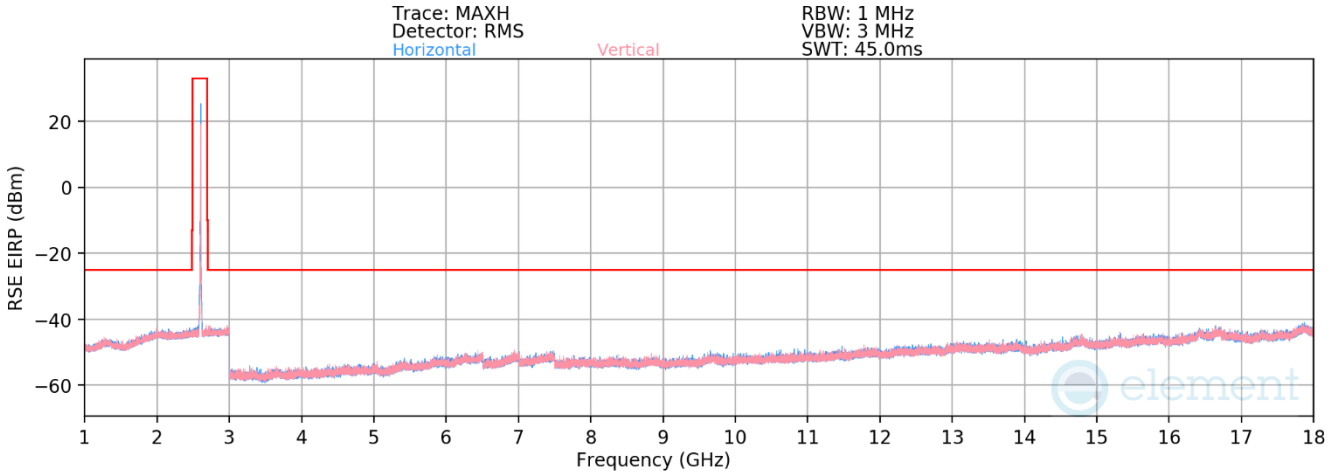
Table 7-90. Antenna 1 Radiated Spurious Data (ULCA LTE Band 7 – Mid Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2560.0
PCC RB / Offset:	1 / 0
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2540.2
SCC RB / Offset:	1 / 99

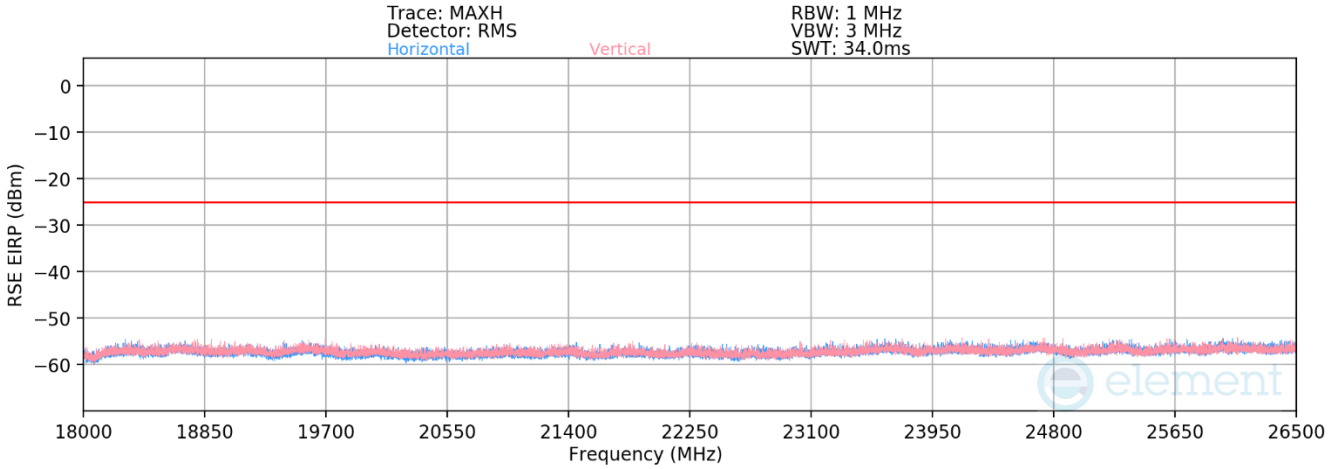
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5120.0	V	-	-	-81.23	5.50	31.27	-63.99	-25.00	-38.99
7680.0	V	-	-	-82.90	8.63	32.73	-62.52	-25.00	-37.52
10240.0	V	-	-	-82.72	10.62	34.90	-60.36	-25.00	-35.36
12800.0	V	-	-	-84.39	14.32	36.93	-58.33	-25.00	-33.33

Table 7-91. Antenna 1 Radiated Spurious Data (ULCA LTE Band 7 – High Channel)

ULCA - LTE Band 41



Plot 7-891. Antenna 1 Radiated Spurious Plot 1GHz – 18GHz (ULCA LTE Band 41)



Plot 7-892. Antenna 1 Radiated Spurious Emission above 18GHz (ULCA LTE Band 41)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2506.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2525.8
SCC RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5012.0	V	-	-	-80.83	4.49	30.66	-64.60	-25.00	-39.60
7518.0	V	-	-	-81.31	8.43	34.12	-61.14	-25.00	-36.14
10024.0	V	-	-	-82.57	10.60	35.03	-60.23	-25.00	-35.23
12530.0	V	-	-	-83.98	13.82	36.84	-58.42	-25.00	-33.42

Table 7-92. Antenna 1 Radiated Spurious Data (ULCA LTE Band 41 – Low Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2593.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2612.8
SCC RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.0	V	-	-	-78.67	4.63	32.96	-62.30	-25.00	-37.30
7779.0	V	-	-	-81.29	9.39	35.10	-60.16	-25.00	-35.16
10372.0	V	-	-	-82.89	10.43	34.54	-60.72	-25.00	-35.72
12965.0	V	-	-	-83.12	14.12	38.00	-57.26	-25.00	-32.26

Table 7-93. Antenna 1 Radiated Spurious Data (ULCA LTE Band 41 – Mid Channel)

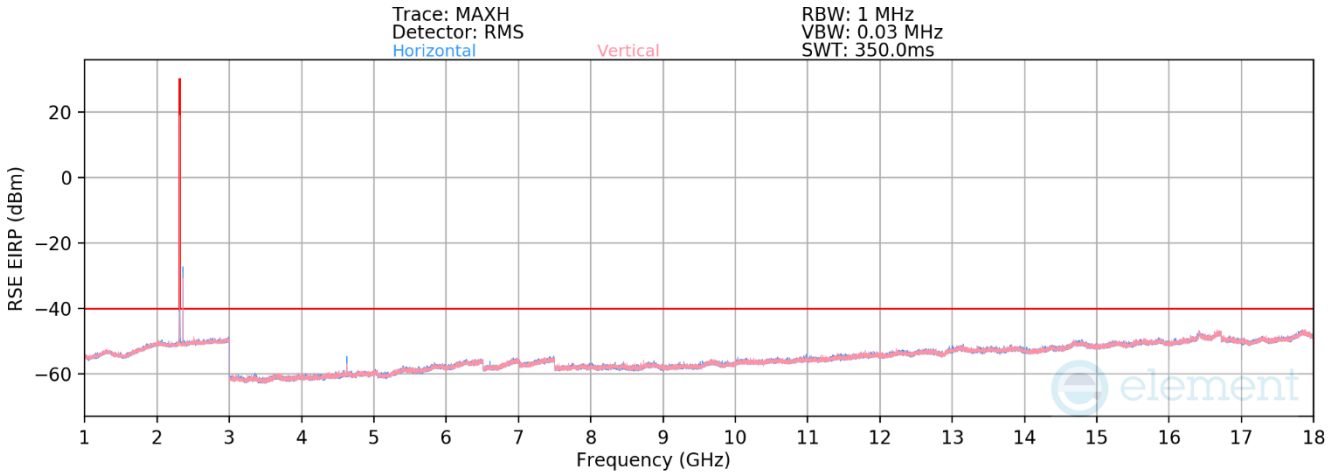
PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2680.0
PCC RB / Offset:	1 / 0
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2660.2
SCC RB / Offset:	1 / 99

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5360.0	V	-	-	-79.29	5.62	33.33	-61.93	-25.00	-36.93
8040.0	V	-	-	-81.38	9.25	34.87	-60.39	-25.00	-35.39
10720.0	V	-	-	-81.47	11.05	36.58	-58.68	-25.00	-33.68
13400.0	V	-	-	-82.71	14.19	38.48	-56.78	-25.00	-31.78

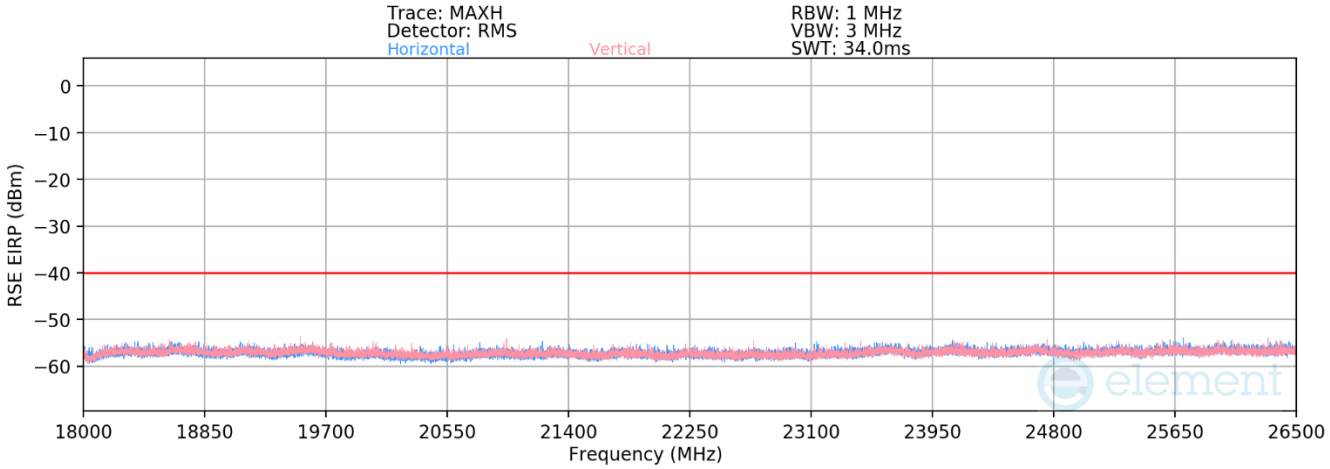
Table 7-94. Antenna 1 Radiated Spurious Data (ULCA LTE Band 41 – High Channel)

7.7.3 Antenna 3 Radiated Spurious Emission Measurements

LTE Band 30



Plot 7-893. Antenna 3 Radiated Spurious Plot 1GHz – 18GHz (LTE Band 30)



Plot 7-894. Antenna 3 Radiated Spurious Emission above 18GHz (LTE Band 30)

Bandwidth (MHz):	5
Frequency (MHz):	2307.5
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4615.0	V	305	190	-73.96	4.36	37.40	-57.85	-40.00	-17.85
6922.5	V	-	-	-79.20	8.69	36.49	-58.77	-40.00	-18.77
9230.0	V	-	-	-81.13	9.61	35.48	-59.78	-40.00	-19.78
11537.5	V	-	-	-81.22	12.00	37.78	-57.48	-40.00	-17.48

Table 7-95. Antenna 3 Radiated Spurious Data (LTE Band 30 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4620.0	V	319	193	-73.09	4.36	38.27	-56.99	-40.00	-16.99
6930.0	V	-	-	-79.09	8.69	36.60	-58.66	-40.00	-18.66
9240.0	V	-	-	-81.19	9.70	35.52	-59.74	-40.00	-19.74
11550.0	V	-	-	-80.83	11.96	38.13	-57.13	-40.00	-17.13

Table 7-96. Antenna 3 Radiated Spurious Data (LTE Band 30 – Mid Channel)

Bandwidth (MHz):	5
Frequency (MHz):	2312.5
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4625.00	V	139	320	-72.95	4.40	38.45	-56.80	-40.00	-16.80
6937.50	V	-	-	-79.31	8.84	36.53	-58.72	-40.00	-18.72
9250.00	V	-	-	-81.15	9.79	35.64	-59.62	-40.00	-19.62
11562.50	V	-	-	-81.09	11.96	37.87	-57.39	-40.00	-17.39

Table 7-97. Antenna 3 Radiated Spurious Data (LTE Band 30 – High Channel)

LTE Band 7

Bandwidth (MHz):	20
Frequency (MHz):	2510.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5020.0	V	-	-	-78.63	4.53	32.90	-62.36	-25.00	-37.36
7530.0	V	-	-	-80.24	8.50	35.26	-60.00	-25.00	-35.00
10040.0	V	-	-	-80.88	10.65	36.77	-58.49	-25.00	-33.49

Table 7-98. Antenna 3 Radiated Spurious Data (LTE Band 7 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2535.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5070.0	V	-	-	-78.63	4.82	33.20	-62.06	-25.00	-37.06
7605.0	V	-	-	-80.33	8.74	35.41	-59.85	-25.00	-34.85
10140.0	V	-	-	-81.22	10.80	36.58	-58.68	-25.00	-33.68

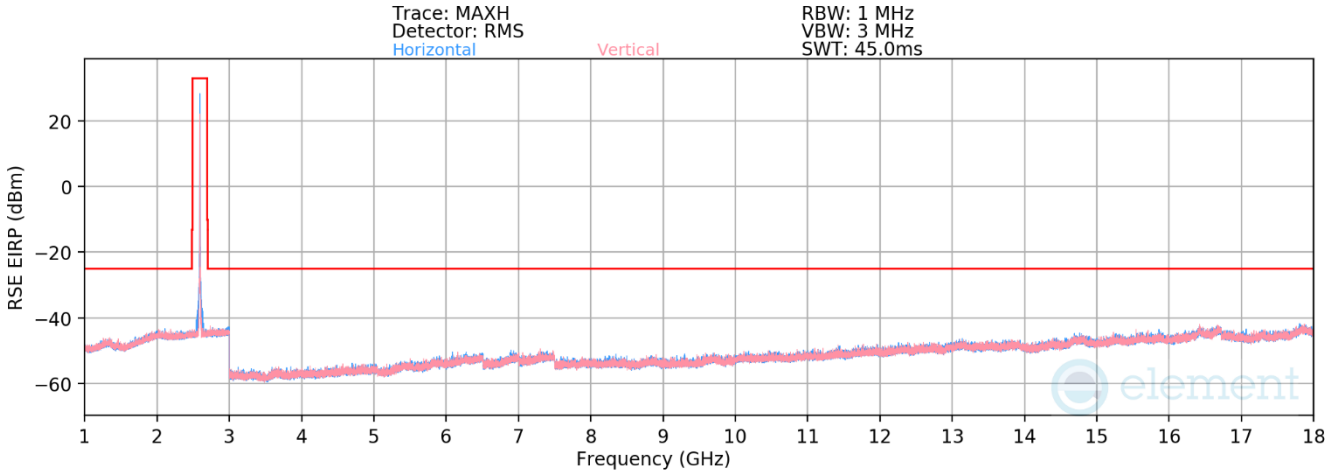
Table 7-99. Antenna 3 Radiated Spurious Data (LTE Band 7 – Mid Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2560.0
RB / Offset:	1 / 50

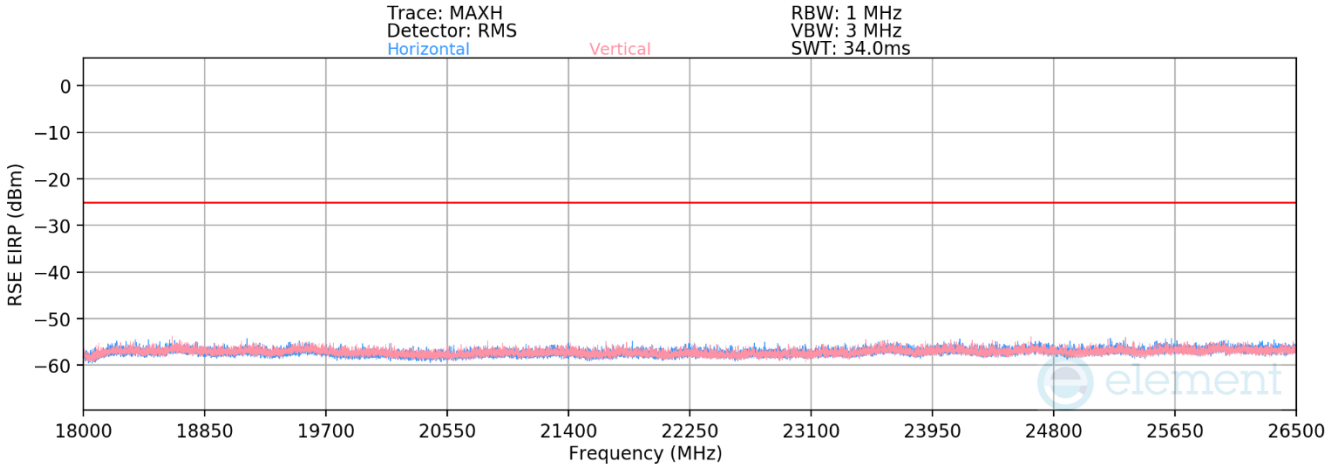
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5120.00	V	-	-	-78.75	4.97	33.23	-62.03	-25.00	-37.03
7680.00	V	-	-	-80.90	9.11	35.21	-60.05	-25.00	-35.05
10240.00	V	-	-	-80.48	10.59	37.12	-58.14	-25.00	-33.14

Table 7-100. Antenna 3 Radiated Spurious Data (LTE Band 7 – High Channel)

LTE Band 41



Plot 7-895. Antenna 3 Radiated Spurious Plot 1GHz – 18GHz (LTE Band 41)



Plot 7-896. Antenna 3 Radiated Spurious Emission above 18GHz (LTE Band 41)

Bandwidth (MHz):	20
Frequency (MHz):	2506.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5012.0	V	-	-	-77.41	4.37	33.96	-61.30	-25.00	-36.30
7518.0	V	-	-	-79.67	8.44	35.77	-59.49	-25.00	-34.49
10024.0	V	-	-	-80.38	10.57	37.19	-58.07	-25.00	-33.07

Table 7-101. Antenna 3 Radiated Spurious Data (LTE Band 41 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2593.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.0	V	368	319	-76.99	4.62	34.63	-60.63	-25.00	-35.63
7779.0	V	-	-	-80.01	9.45	36.44	-58.82	-25.00	-33.82
10372.0	V	-	-	-79.52	10.49	37.96	-57.29	-25.00	-32.29
12965.0	V	-	-	-81.19	14.28	40.09	-55.16	-25.00	-30.16

Table 7-102. Antenna 3 Radiated Spurious Data (LTE Band 41 – Mid Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2680.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5360.0	V	-	-	-78.04	5.38	34.34	-60.92	-25.00	-35.92
8040.0	V	-	-	-79.87	9.30	36.43	-58.82	-25.00	-33.82
10720.0	V	-	-	-79.87	11.00	38.12	-57.13	-25.00	-32.13

Table 7-103. Antenna 3 Radiated Spurious Data (LTE Band 41 – High Channel)

NR Band n30

Bandwidth (MHz):	5
Frequency (MHz):	2307.5
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4615.0	V	-	-	-77.94	4.36	33.42	-61.84	-40.00	-21.84
6922.5	V	-	-	-79.13	8.69	36.56	-58.70	-40.00	-18.70
9230.0	V	-	-	-81.17	9.70	35.53	-59.73	-40.00	-19.73

Table 7-104. Antenna 3 Radiated Spurious Data (NR Band n30 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4620.0	V	277	193	-75.43	4.36	35.93	-59.33	-40.00	-19.33
6930.0	V	-	-	-79.05	8.69	36.64	-58.62	-40.00	-18.62
9240.0	V	-	-	-81.05	9.61	35.56	-59.70	-40.00	-19.70
11550.0	V	-	-	-81.05	11.93	37.88	-57.38	-40.00	-17.38

Table 7-105. Antenna 3 Radiated Spurious Data (NR Band n30 – Mid Channel)

Bandwidth (MHz):	5
Frequency (MHz):	2312.5
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4625.0	V	284	193	-75.05	4.40	36.36	-58.90	-40.00	-18.90
6937.5	V	-	-	-79.29	8.84	36.55	-58.71	-40.00	-18.71
9250.0	V	-	-	-81.24	9.79	35.55	-59.71	-40.00	-19.71
11562.5	V	-	-	-81.02	11.93	37.91	-57.34	-40.00	-17.34

Table 7-106. Antenna 3 Radiated Spurious Data (NR Band n30 – High Channel)

NR Band n7

Bandwidth (MHz):	40
Frequency (MHz):	2520.0
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5040.0	V	-	-	-78.63	4.53	32.90	-62.36	-25.00	-37.36
7560.0	V	-	-	-80.24	8.50	35.26	-60.00	-25.00	-35.00
10080.0	V	-	-	-80.88	10.65	36.77	-58.49	-25.00	-33.49

Table 7-107. Antenna 3 Radiated Spurious Data (NR Band n7 – Low Channel)

Bandwidth (MHz):	40
Frequency (MHz):	2535.0
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5070.0	V	-	-	-78.63	4.82	33.20	-62.06	-25.00	-37.06
7605.0	V	-	-	-80.33	8.74	35.41	-59.85	-25.00	-34.85
10140.0	V	-	-	-81.22	10.80	36.58	-58.68	-25.00	-33.68

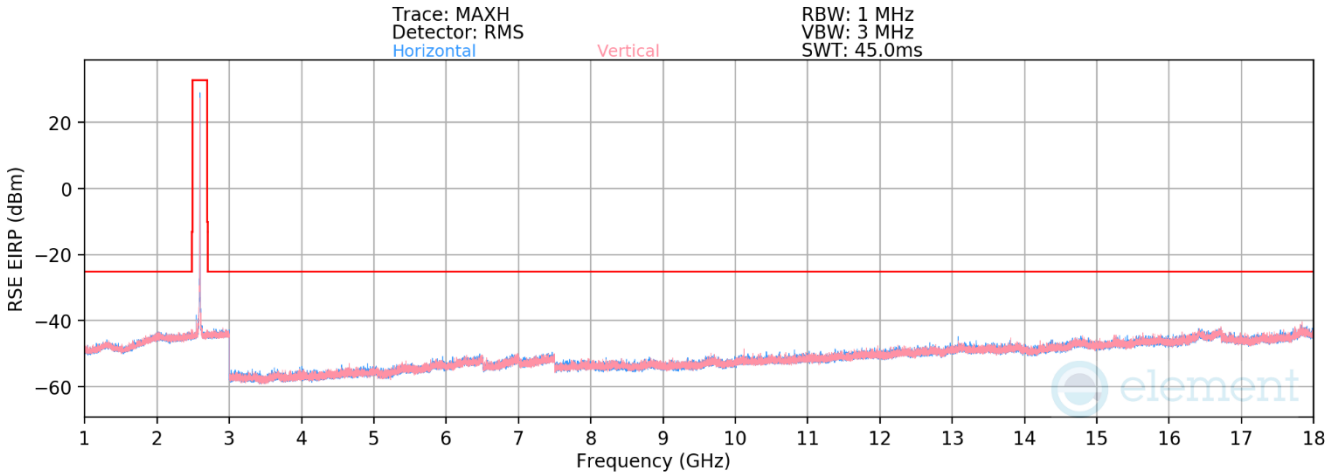
Table 7-108. Antenna 3 Radiated Spurious Data (NR Band n7 – Mid Channel)

Bandwidth (MHz):	40
Frequency (MHz):	2550.0
RB / Offset:	1 / 108

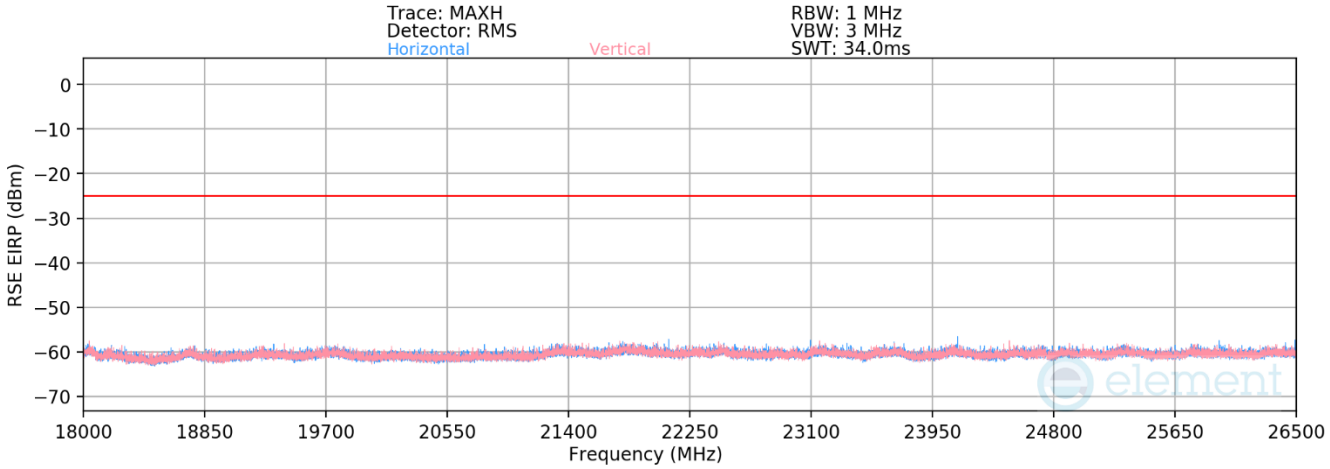
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5100.0	V	-	-	-78.75	4.97	33.23	-62.03	-25.00	-37.03
7650.0	V	-	-	-80.90	9.11	35.21	-60.05	-25.00	-35.05
10200.0	V	-	-	-80.48	10.59	37.12	-58.14	-25.00	-33.14

Table 7-109. Antenna 3 Radiated Spurious Data (NR Band n7 – High Channel)

NR Band n41



Plot 7-897. Antenna 3 Radiated Spurious Plot 1GHz – 18GHz (NR Band n41)



Plot 7-898. Antenna 3 Radiated Spurious Emission above 18GHz (NR Band n41)

Bandwidth (MHz):	100
Frequency (MHz):	2546.0
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5092.0	V	-	-	-77.79	4.99	34.19	-61.07	-25.00	-36.07
7638.0	V	-	-	-79.66	8.90	36.24	-59.02	-25.00	-34.02
10184.0	V	-	-	-80.37	10.89	37.53	-57.73	-25.00	-32.73

Table 7-110. Antenna 3 Radiated Spurious Data (NR Band n41 – Low Channel)

Bandwidth (MHz):	100
Frequency (MHz):	2593.0
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.0	V	-	-	-77.47	4.70	34.23	-61.03	-25.00	-36.03
7779.0	V	264	147	-69.48	9.45	46.97	-48.29	-25.00	-23.29
10372.0	V	-	-	-79.50	10.49	37.98	-57.27	-25.00	-32.27
12965.0	V	-	-	-80.97	14.28	40.31	-54.95	-25.00	-29.95
15558.0	V	-	-	-80.43	15.49	42.06	-53.20	-25.00	-28.20

Table 7-111. Antenna 3 Radiated Spurious Data (NR Band n41 – Mid Channel)

Bandwidth (MHz):	100
Frequency (MHz):	2640.0
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5280.0	V	-	-	-77.14	4.76	34.61	-60.65	-25.00	-35.65
7920.0	V	257	147	-68.16	9.34	48.18	-47.08	-25.00	-22.08
10560.0	V	-	-	-80.06	11.47	38.41	-56.85	-25.00	-31.85
13200.0	V	-	-	-80.84	14.07	40.22	-55.03	-25.00	-30.03
15840.0	V	-	-	-80.88	16.54	42.66	-52.60	-25.00	-27.60

Table 7-112. Antenna 3 Radiated Spurious Data (NR Band n41 – High Channel)

ULCA - LTE Band 7

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2510.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2529.8
SCC RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5020.0	V	-	-	-80.73	5.14	31.41	-63.85	-25.00	-38.85
7530.0	V	-	-	-82.79	8.62	32.83	-62.43	-25.00	-37.43
10040.0	V	-	-	-82.66	10.78	35.12	-60.13	-25.00	-35.13
12550.0	V	-	-	-83.71	13.59	36.88	-58.38	-25.00	-33.38

Table 7-113. Antenna 3 Radiated Spurious Data (ULCA LTE Band 7 – Low Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2535.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2554.8
SCC RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5070.0	V	-	-	-81.35	5.58	31.23	-64.03	-25.00	-39.03
7605.0	V	-	-	-83.14	8.76	32.62	-62.64	-25.00	-37.64
10140.0	V	-	-	-82.84	10.86	35.02	-60.24	-25.00	-35.24
12675.0	V	-	-	-83.74	13.89	37.15	-58.10	-25.00	-33.10

Table 7-114. Antenna 3 Radiated Spurious Data (ULCA LTE Band 7 – Mid Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2560.0
PCC RB / Offset:	1 / 0
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2540.2
SCC RB / Offset:	1 / 99

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5120.0	V	-	-	-81.27	5.50	31.23	-64.03	-25.00	-39.03
7680.0	V	-	-	-82.70	8.63	32.93	-62.32	-25.00	-37.32
10240.0	V	-	-	-82.75	10.62	34.87	-60.39	-25.00	-35.39
12800.0	V	-	-	-84.64	14.32	36.68	-58.58	-25.00	-33.58

Table 7-115. Antenna 3 Radiated Spurious Data (ULCA LTE Band 7 – High Channel)

ULCA - LTE Band 41

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2506.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2525.8
SCC RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5012.0	-	-	-	-80.75	5.07	31.32	-63.94	-25.00	-38.94
7518.0	-	-	-	-81.15	8.57	34.42	-60.83	-25.00	-35.83
10024.0	-	-	-	-82.69	10.74	35.05	-60.20	-25.00	-35.20
12530.0	-	-	-	-83.84	13.63	36.79	-58.47	-25.00	-33.47

Table 7-116. Antenna 3 Radiated Spurious Data (ULCA LTE Band 41 – Low Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2593.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2612.8
SCC RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.0	V	-	-	-80.80	5.37	31.57	-63.69	-25.00	-38.69
7779.0	V	-	-	-82.86	8.61	32.75	-62.51	-25.00	-37.51
10372.0	V	-	-	-83.26	11.43	35.17	-60.09	-25.00	-35.09
12965.0	V	-	-	-84.71	13.94	36.23	-59.02	-25.00	-34.02

Table 7-117. Antenna 3 Radiated Spurious Data (ULCA LTE Band 41 – Mid Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2680.0
PCC RB / Offset:	1 / 0
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2660.2
SCC RB / Offset:	1 / 99

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5360.0	V	-	-	-81.52	6.11	31.59	-63.67	-25.00	-38.67
8040.0	V	-	-	-82.46	8.72	33.26	-62.00	-25.00	-37.00
10720.0	V	-	-	-82.99	11.13	35.14	-60.12	-25.00	-35.12
13400.0	V	-	-	-84.49	14.00	36.51	-58.74	-25.00	-33.74

Table 7-118. Antenna 3 Radiated Spurious Data (ULCA LTE Band 41 – High Channel)

7.7.4 Antenna 2b Radiated Spurious Emission Measurements

LTE Band 30

Bandwidth (MHz):	5
Frequency (MHz):	2307.5
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4615.0	V	264	132	-76.48	4.36	34.88	-60.38	-40.00	-20.38
6922.5	V	-	-	-78.98	8.69	36.71	-58.55	-40.00	-18.55
9230.0	V	-	-	-81.06	9.70	35.64	-59.61	-40.00	-19.61
11537.5	V	-	-	-81.15	12.00	37.86	-57.40	-40.00	-17.40

Table 7-119. Antenna 2b Radiated Spurious Data (LTE Band 30 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4620.0	V	160	191	-75.94	4.36	35.42	-59.84	-40.00	-19.84
6930.0	V	-	-	-79.29	8.84	36.55	-58.71	-40.00	-18.71
9240.0	V	-	-	-81.20	9.70	35.50	-59.76	-40.00	-19.76
11550.0	V	-	-	-80.90	11.96	38.06	-57.20	-40.00	-17.20

Table 7-120. Antenna 2b Radiated Spurious Data (LTE Band 30 – Mid Channel)

Bandwidth (MHz):	5
Frequency (MHz):	2312.5
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4625.00	V	-	-	-78.54	4.36	32.82	-62.44	-40.00	-22.44
6937.50	V	-	-	-79.09	8.84	36.75	-58.50	-40.00	-18.50
9250.00	V	-	-	-81.29	9.79	35.51	-59.75	-40.00	-19.75

Table 7-121. Antenna 2b Radiated Spurious Data (LTE Band 30 – High Channel)

LTE Band 7

Bandwidth (MHz):	20
Frequency (MHz):	2510.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5020.0	V	-	-	-78.35	4.53	33.17	-62.08	-25.00	-37.08
7530.0	V	-	-	-80.42	8.50	35.08	-60.18	-25.00	-35.18
10040.0	V	-	-	-81.10	10.65	36.55	-58.71	-25.00	-33.71

Table 7-122. Antenna 2b Radiated Spurious Data (LTE Band 7 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2535.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5070.0	V	-	-	-78.53	4.82	33.29	-61.96	-25.00	-36.96
7605.0	V	-	-	-80.58	8.74	35.16	-60.09	-25.00	-35.09
10140.0	V	-	-	-81.04	10.70	36.66	-58.60	-25.00	-33.60

Table 7-123. Antenna 2b Radiated Spurious Data (LTE Band 7 – Mid Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2560.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5120.00	V	-	-	-78.86	4.97	33.12	-62.14	-25.00	-37.14
7680.00	V	-	-	-80.64	9.11	35.47	-59.79	-25.00	-34.79
10240.00	V	-	-	-80.63	10.69	37.06	-58.19	-25.00	-33.19

Table 7-124. Antenna 2b Radiated Spurious Data (LTE Band 7 – High Channel)

LTE Band 41

Bandwidth (MHz):	20
Frequency (MHz):	2506.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5012.0	V	-	-	-77.49	4.53	34.04	-61.22	-25.00	-36.22
7518.0	V	-	-	-79.74	8.47	35.73	-59.53	-25.00	-34.53
10024.0	V	-	-	-80.26	10.57	37.31	-57.95	-25.00	-32.95

Table 7-125. Antenna 2b Radiated Spurious Data (LTE Band 41 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2593.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.0	V	-	-	-77.60	4.70	34.10	-61.16	-25.00	-36.16
7779.0	V	-	-	-80.07	9.40	36.32	-58.93	-25.00	-33.93
10372.0	V	-	-	-79.65	10.49	37.84	-57.42	-25.00	-32.42

Table 7-126. Antenna 2b Radiated Spurious Data (LTE Band 41 – Mid Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2680.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5360.0	V	-	-	-77.77	5.38	34.61	-60.65	-25.00	-35.65
8040.0	V	-	-	-79.79	9.30	36.51	-58.74	-25.00	-33.74
10720.0	V	-	-	-79.96	11.00	38.04	-57.22	-25.00	-32.22

Table 7-127. Antenna 2b Radiated Spurious Data (LTE Band 41 – High Channel)

NR Band n30

Bandwidth (MHz):	5
Frequency (MHz):	2307.5
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4615.0	V	153	194	-74.88	4.36	36.48	-58.78	-40.00	-18.78
6922.5	V	-	-	-79.19	8.69	36.50	-58.76	-40.00	-18.76
9230.0	V	-	-	-81.04	9.61	35.56	-59.70	-40.00	-19.70
11537.5	V	-	-	-81.21	12.00	37.79	-57.47	-40.00	-17.47

Table 7-128. Antenna 2b Radiated Spurious Data (NR Band n30 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4620.0	V	361	199	-74.35	4.36	37.01	-58.25	-40.00	-18.25
6930.0	V	-	-	-79.35	8.84	36.50	-58.76	-40.00	-18.76
9240.0	V	-	-	-80.82	9.61	35.78	-59.48	-40.00	-19.48
11550.0	V	-	-	-80.93	11.96	38.03	-57.23	-40.00	-17.23

Table 7-129. Antenna 2b Radiated Spurious Data (NR Band n30 – Mid Channel)

Bandwidth (MHz):	5
Frequency (MHz):	2312.5
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4625.0	V	374	187	-75.58	4.40	35.82	-59.44	-40.00	-19.44
6937.5	V	-	-	-78.99	8.84	36.85	-58.41	-40.00	-18.41
9250.0	V	-	-	-81.10	9.79	35.69	-59.56	-40.00	-19.56
11562.5	V	-	-	-81.04	11.93	37.89	-57.36	-40.00	-17.36

Table 7-130. Antenna 2b Radiated Spurious Data (NR Band n30 – High Channel)

NR Band n7

Bandwidth (MHz):	40
Frequency (MHz):	2520.0
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5040.0	V	-	-	-78.78	4.51	32.73	-62.53	-25.00	-37.53
7560.0	V	-	-	-80.22	8.43	35.21	-60.04	-25.00	-35.04
10080.0	V	-	-	-80.75	10.70	36.95	-58.31	-25.00	-33.31

Table 7-131. Antenna 2b Radiated Spurious Data (NR Band n7 – Low Channel)

Bandwidth (MHz):	40
Frequency (MHz):	2535.0
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5070.0	V	-	-	-78.53	4.82	33.29	-61.97	-25.00	-36.97
7605.0	V	-	-	-80.62	8.74	35.12	-60.13	-25.00	-35.13
10140.0	V	-	-	-81.13	10.80	36.67	-58.59	-25.00	-33.59

Table 7-132. Antenna 2b Radiated Spurious Data (NR Band n7 – Mid Channel)

Bandwidth (MHz):	40
Frequency (MHz):	2550.0
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5100.0	V	-	-	-78.96	5.00	33.04	-62.22	-25.00	-37.22
7650.0	V	-	-	-80.74	9.06	35.31	-59.94	-25.00	-34.94
10200.0	V	-	-	-81.19	10.82	36.63	-58.63	-25.00	-33.63

Table 7-133. Antenna 2b Radiated Spurious Data (NR Band n7 – High Channel)

NR Band n41

Bandwidth (MHz):	100
Frequency (MHz):	2546.0
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5092.0	V	-	-	-77.91	4.99	34.08	-61.18	-25.00	-36.18
7638.0	V	-	-	-79.49	8.90	36.41	-58.85	-25.00	-33.85
10184.0	V	-	-	-80.35	10.91	37.56	-57.70	-25.00	-32.70

Table 7-134. Antenna 2b Radiated Spurious Data (NR Band n41 – Low Channel)

Bandwidth (MHz):	100
Frequency (MHz):	2593.0
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.0	V	-	-	-77.41	4.70	34.30	-60.96	-25.00	-35.96
7779.0	V	-	-	-79.97	9.45	36.48	-58.78	-25.00	-33.78
10372.0	V	-	-	-79.59	10.49	37.89	-57.37	-25.00	-32.37

Table 7-135. Antenna 2b Radiated Spurious Data (NR Band n41 – Mid Channel)

Bandwidth (MHz):	100
Frequency (MHz):	2640.0
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5280.0	V	-	-	-77.32	4.76	34.43	-60.82	-25.00	-35.82
7920.0	V	-	-	-79.47	9.35	36.88	-58.38	-25.00	-33.38
10560.0	V	-	-	-79.98	11.47	38.49	-56.77	-25.00	-31.77

Table 7-136. Antenna 2b Radiated Spurious Data (NR Band n41 – High Channel)

ULCA - LTE Band 7

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2510.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2529.8
SCC RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5020.0	V	-	-	-80.99	5.14	31.15	-64.11	-25.00	-39.11
7530.0	V	-	-	-82.74	8.62	32.88	-62.38	-25.00	-37.38
10040.0	V	-	-	-82.49	10.78	35.29	-59.96	-25.00	-34.96
12550.0	V	-	-	-83.63	13.59	36.96	-58.30	-25.00	-33.30

Table 7-137. Antenna 2b Radiated Spurious Data (ULCA LTE Band 7 – Low Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2535.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2554.8
SCC RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5070.0	V	-	-	-81.44	5.58	31.14	-64.12	-25.00	-39.12
7605.0	V	-	-	-82.94	8.76	32.82	-62.44	-25.00	-37.44
10140.0	V	-	-	-82.61	10.86	35.25	-60.01	-25.00	-35.01
12675.0	V	-	-	-83.77	13.89	37.12	-58.13	-25.00	-33.13

Table 7-138. Antenna 2b Radiated Spurious Data (ULCA LTE Band 7 – Mid Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2560.0
PCC RB / Offset:	1 / 0
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2540.2
SCC RB / Offset:	1 / 99

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5120.0	V	-	-	-81.09	5.50	31.41	-63.85	-25.00	-38.85
7680.0	V	-	-	-82.69	8.63	32.94	-62.31	-25.00	-37.31
10240.0	V	-	-	-82.64	10.62	34.98	-60.28	-25.00	-35.28
12800.0	V	-	-	-84.55	14.32	36.77	-58.49	-25.00	-33.49

Table 7-139. Antenna 2b Radiated Spurious Data (ULCA LTE Band 7 – High Channel)

ULCA - LTE Band 41

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2506.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2525.8
SCC RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5012.0	V	-	-	-80.61	5.07	31.46	-63.80	-25.00	-38.80
7518.0	V	-	-	-81.58	8.57	33.99	-61.26	-25.00	-36.26
10024.0	V	-	-	-82.52	10.74	35.22	-60.03	-25.00	-35.03

Table 7-140. Antenna 2b Radiated Spurious Data (ULCA LTE Band 41 – Low Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2593.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2612.8
SCC RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.0	V	-	-	-80.69	5.37	31.68	-63.58	-25.00	-38.58
7779.0	V	-	-	-82.75	8.61	32.86	-62.40	-25.00	-37.40
10372.0	V	-	-	-83.02	11.43	35.41	-59.85	-25.00	-34.85

Table 7-141. Antenna 2b Radiated Spurious Data (ULCA LTE Band 41 – Mid Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2680.0
PCC RB / Offset:	1 / 0
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2660.2
SCC RB / Offset:	1 / 99

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5360.0	V	-	-	-81.43	6.11	31.68	-63.58	-25.00	-38.58
8040.0	V	-	-	-82.21	8.72	33.51	-61.75	-25.00	-36.75
10720.0	V	-	-	-83.06	11.13	35.07	-60.19	-25.00	-35.19

Table 7-142. Antenna 2b Radiated Spurious Data (ULCA LTE Band 41 – High Channel)

7.8 Frequency Stability / Temperature Variation

§2.1055, §27.54

Test Overview and Limit

Frequency stability testing is performed in accordance with the guidelines of ANSI C63.26-2015 and TIA-603-E-2016. The frequency stability of the transmitter is measured by:

a.) **Temperature:** The temperature is varied from -30°C to +50°C in 10°C increments using an environmental chamber.

b.) **Primary Supply Voltage:** The primary supply voltage is varied from 85% to 115% of the nominal value for non hand-carried battery and AC powered equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

For Part 27, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

Test Procedure Used

ANSI C63.26-2015

TIA-603-E-2016

Test Settings

1. The carrier frequency of the transmitter is measured at room temperature (20°C to provide a reference).
2. The equipment is turned on in a "standby" condition for fifteen minutes before applying power to the transmitter. Measurement of the carrier frequency of the transmitter is made within one minute after applying power to the transmitter.
3. Frequency measurements are made at 10°C intervals ranging from -30°C to +50°C. A period of at least one half-hour is provided to allow stabilization of the equipment at each temperature level.

Test Setup

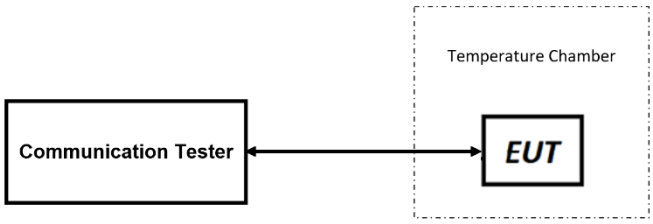


Figure 7-8. Test Instrument & Measurement Setup

Test Notes

1. All ports were tested and only the worst case data were reported.

Frequency Stability / Temperature Variation

LTE Band 30	
Operating Band Lower Boundary (GHz)	2.305
Ref. Voltage (VDC):	3.80

Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	2.305516258	-0.000516258
		- 20	2.305514561	-0.000514561
		- 10	2.305516987	-0.000516987
		0	2.305515979	-0.000515979
		+ 10	2.305516548	-0.000516548
		+ 20 (Ref)	2.305516451	-0.000516451
		+ 30	2.305515461	-0.000515461
		+ 40	2.305516542	-0.000516542
		+ 50	2.305516988	-0.000516988
Battery Endpoint	3.40	+ 20	2.305512134	-0.000512134

Table 7-143. Lower Boundary LTE Band 30 Frequency Stability Data

LTE Band 30	
Operating Band Upper Boundary (GHz)	2.315
Ref. Voltage (VDC):	3.80

Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	2.314483658	-0.000516342
		- 20	2.314488795	-0.000511205
		- 10	2.314487655	-0.000512345
		0	2.314488412	-0.000511588
		+ 10	2.314485322	-0.000514679
		+ 20 (Ref)	2.314481552	-0.000518448
		+ 30	2.314482165	-0.000517835
		+ 40	2.314482546	-0.000517454
		+ 50	2.314486654	-0.000513346
Battery Endpoint	3.40	+ 20	2.314482156	-0.000517844

Table 7-144. Upper Boundary LTE Band 30 Frequency Stability Data

Frequency Stability / Temperature Variation

LTE Band 7				
	Operating Band Lower Boundary (GHz)		2.500	
	Ref. Voltage (VDC):		3.80	
Voltage (%)	**Power (VDC)**	**Temp (°C)**	**Measured Freq. (GHz)**	**Freq. Delta from Operating Range (GHz)**
100 %	3.80	- 30	2.500767654	-0.000767654
		- 20	2.500768456	-0.000768456
		- 10	2.500768215	-0.000768215
		0	2.500768631	-0.000768631
		+ 10	2.500769665	-0.000769665
		+ 20 (Ref)	2.500768257	-0.000768257
		+ 30	2.500768125	-0.000768125
		+ 40	2.500766265	-0.000766265
		+ 50	2.500767217	-0.000767216
Battery Endpoint	3.40	+ 20	2.500769646	-0.000769646

Table 7-145. Lower Boundary LTE Band 7 Frequency Stability Data

LTE Band 7				
	Operating Band Upper Boundary (GHz)		2.570	
	Ref. Voltage (VDC):		3.80	
Voltage (%)	**Power (VDC)**	**Temp (°C)**	**Measured Freq. (GHz)**	**Freq. Delta from Operating Range (GHz)**
100 %	3.80	- 30	2.569267154	-0.000732846
		- 20	2.569265219	-0.000734781
		- 10	2.569269219	-0.000730781
		0	2.569266232	-0.000733768
		+ 10	2.569269248	-0.000730752
		+ 20 (Ref)	2.569266246	-0.000733754
		+ 30	2.569265453	-0.000734547
		+ 40	2.569268655	-0.000731345
		+ 50	2.569269343	-0.000730657
Battery Endpoint	3.40	+ 20	2.569268659	-0.000731341

Table 7-146. Upper Boundary LTE Band 7 Frequency Stability Data

Frequency Stability / Temperature Variation

LTE Band 41	
Operating Band Lower Boundary (GHz)	2.496
Ref. Voltage (VDC):	3.80

Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	2.496637979	-0.000637978
		- 20	2.496635461	-0.000635461
		- 10	2.496637250	-0.000637250
		0	2.496638222	-0.000638222
		+ 10	2.496636203	-0.000636203
		+ 20 (Ref)	2.496639625	-0.000639625
		+ 30	2.496639018	-0.000639018
		+ 40	2.496636316	-0.000636316
		+ 50	2.496636598	-0.000636598
Battery Endpoint	3.40	+ 20	2.496637288	-0.000637288

Table 7-147. Lower Boundary LTE Band 41 Frequency Stability Data

LTE Band 41	
Operating Band Upper Boundary (GHz)	2.690
Ref. Voltage (VDC):	3.80

Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	2.689247880	-0.000752120
		- 20	2.689248032	-0.000751968
		- 10	2.689246265	-0.000753735
		0	2.689248790	-0.000751210
		+ 10	2.689249123	-0.000750877
		+ 20 (Ref)	2.689246565	-0.000753435
		+ 30	2.689247326	-0.000752674
		+ 40	2.689247235	-0.000752765
		+ 50	2.689249246	-0.000750754
Battery Endpoint	3.40	+ 20	2.689244644	-0.000755356

Table 7-148. Upper Boundary LTE Band 41 Frequency Stability Data

Frequency Stability / Temperature Variation

NR Band n30	
Operating Band Lower Boundary (GHz)	2.305
Ref. Voltage (VDC):	3.80

Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	2.305347458	-0.000347458
		- 20	2.305345942	-0.000345942
		- 10	2.305344561	-0.000344561
		0	2.305343982	-0.000343981
		+ 10	2.305345489	-0.000345489
		+ 20 (Ref)	2.305343626	-0.000343626
		+ 30	2.305344616	-0.000344616
		+ 40	2.305349252	-0.000349252
		+ 50	2.305346549	-0.000346549
Battery Endpoint	3.40	+ 20	2.305349782	-0.000349782

Table 7-149. Lower Boundary NR Band n30 Frequency Stability Data

NR Band n30	
Operating Band Upper Boundary (GHz)	2.315
Ref. Voltage (VDC):	3.80

Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	2.314649498	-0.000350502
		- 20	2.314643652	-0.000356348
		- 10	2.314638996	-0.000361004
		0	2.314639789	-0.000360211
		+ 10	2.314640916	-0.000359084
		+ 20 (Ref)	2.314640326	-0.000359674
		+ 30	2.314640449	-0.000359551
		+ 40	2.314635222	-0.000364778
		+ 50	2.314640954	-0.000359046
Battery Endpoint	3.40	+ 20	2.314646512	-0.000353488

Table 7-150. Upper Boundary NR Band n30 Frequency Stability Data

Frequency Stability / Temperature Variation

NR Band n7	
Operating Band Lower Boundary (GHz)	2.500
Ref. Voltage (VDC):	3.80

Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	2.500759841	-0.000759841
		- 20	2.500768426	-0.000768426
		- 10	2.500762281	-0.000762281
		0	2.500751612	-0.000751612
		+ 10	2.500764595	-0.000764595
		+ 20 (Ref)	2.500772141	-0.000772141
		+ 30	2.500760221	-0.000760221
		+ 40	2.500762255	-0.000762255
		+ 50	2.500758547	-0.000758547
Battery Endpoint	3.40	+ 20	2.500755486	-0.000755486

Table 7-151. Lower Boundary NR Band n7 Frequency Stability Data

NR Band n7	
Operating Band Upper Boundary (GHz)	2.570
Ref. Voltage (VDC):	3.80

Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	2.569277261	-0.000722739
		- 20	2.569276549	-0.000723451
		- 10	2.569288655	-0.000711345
		0	2.569278546	-0.000721454
		+ 10	2.569265495	-0.000734506
		+ 20 (Ref)	2.569269785	-0.000730215
		+ 30	2.569263565	-0.000736435
		+ 40	2.569274889	-0.000725111
		+ 50	2.569274892	-0.000725108
Battery Endpoint	3.40	+ 20	2.569273256	-0.000726744

Table 7-152. Upper Boundary NR Band n7 Frequency Stability Data

Frequency Stability / Temperature Variation

NR Band n41	
Operating Band Lower Boundary (GHz)	2.496
Ref. Voltage (VDC):	3.80

Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	2.497375564	-0.001375564
		- 20	2.497375565	-0.001375565
		- 10	2.497337250	-0.001337250
		0	2.497342194	-0.001342194
		+ 10	2.497379655	-0.001379655
		+ 20 (Ref)	2.497374498	-0.001374498
		+ 30	2.497363611	-0.001363611
		+ 40	2.497359462	-0.001359462
		+ 50	2.497355616	-0.001355616
Battery Endpoint	3.40	+ 20	2.497354893	-0.001354893

Table 7-153. Lower Boundary NR Band n41 Frequency Stability Data

NR Band n41	
Operating Band Upper Boundary (GHz)	2.690
Ref. Voltage (VDC):	3.80

Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	2.688598971	-0.001401029
		- 20	2.688582453	-0.001417547
		- 10	2.688605421	-0.001394579
		0	2.688605211	-0.001394789
		+ 10	2.688607645	-0.001392355
		+ 20 (Ref)	2.688592776	-0.001407224
		+ 30	2.688594621	-0.001405379
		+ 40	2.688607989	-0.001392011
		+ 50	2.688595642	-0.001404358
Battery Endpoint	3.40	+ 20	2.688595493	-0.001404507

Table 7-154. Upper Boundary NR Band n41 Frequency Stability Data

8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the Apple **Tablet Device FCC ID: BCGA2926** complies with all the requirements of Part 27 of the FCC rules.