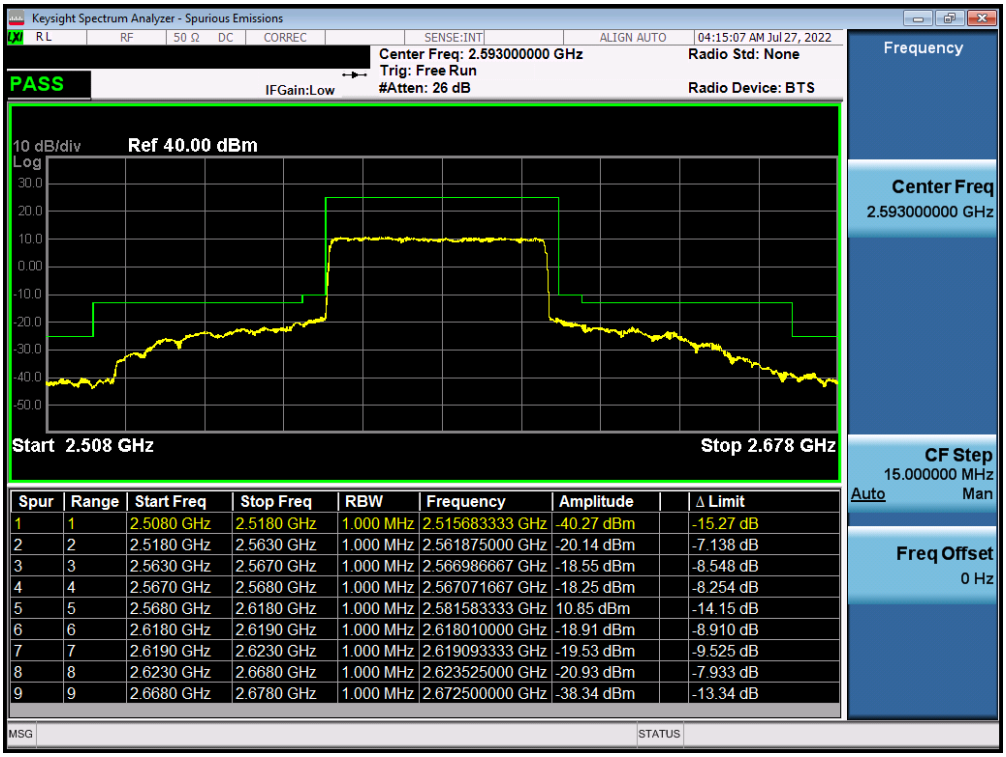
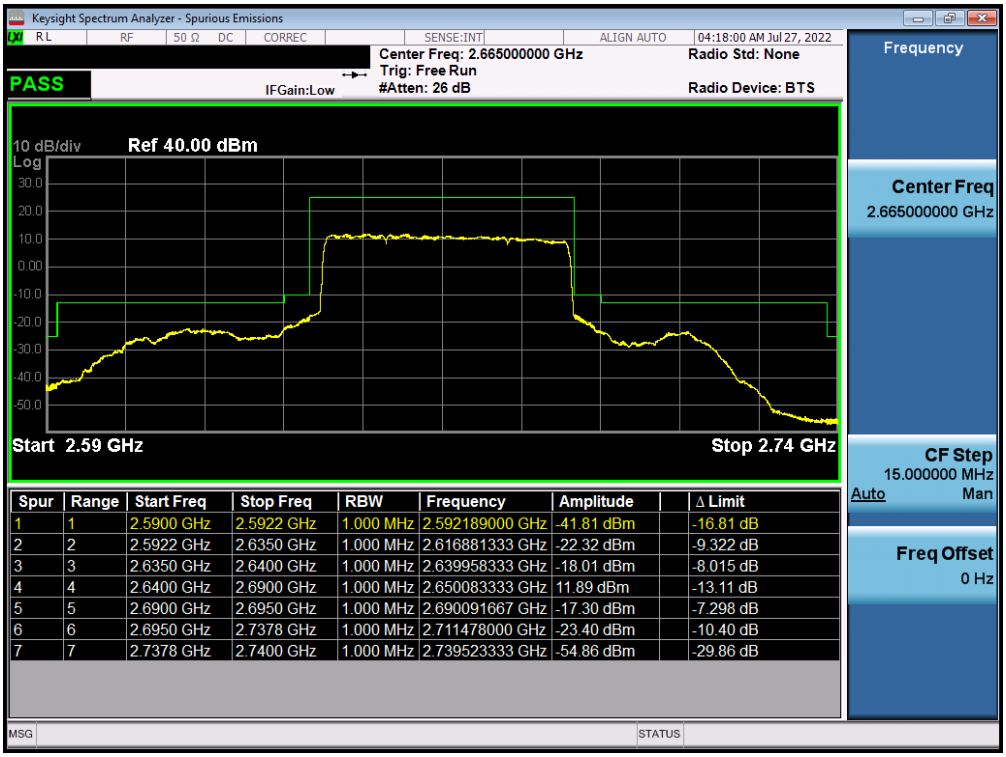


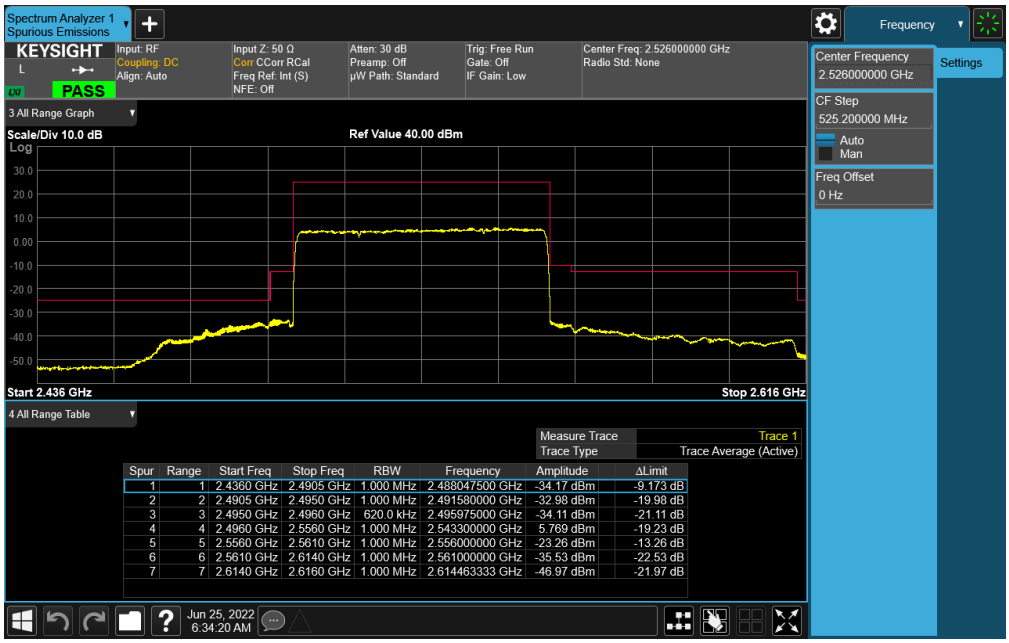
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.5080 GHz	2.5180 GHz	1.000 MHz	2.515683333 GHz	-40.27 dBm	-15.27 dB
2	2	2.5180 GHz	2.5630 GHz	1.000 MHz	2.561875000 GHz	-20.14 dBm	-7.138 dB
3	3	2.5630 GHz	2.5670 GHz	1.000 MHz	2.566986667 GHz	-18.55 dBm	-8.548 dB
4	4	2.5670 GHz	2.5680 GHz	1.000 MHz	2.567071667 GHz	-18.25 dBm	-8.254 dB
5	5	2.5680 GHz	2.6180 GHz	1.000 MHz	2.581583333 GHz	10.85 dBm	-14.15 dB
6	6	2.6180 GHz	2.6190 GHz	1.000 MHz	2.618010000 GHz	-18.91 dBm	-8.910 dB
7	7	2.6190 GHz	2.6230 GHz	1.000 MHz	2.619093333 GHz	-19.53 dBm	-9.525 dB
8	8	2.6230 GHz	2.6680 GHz	1.000 MHz	2.623525000 GHz	-20.93 dBm	-7.933 dB
9	9	2.6680 GHz	2.6780 GHz	1.000 MHz	2.672500000 GHz	-38.34 dBm	-13.34 dB

Plot 7-282. Middle ACP Plot (NR Band n41 - 50MHz DFT-s-OFDM π/2 BPSK – Full RB)



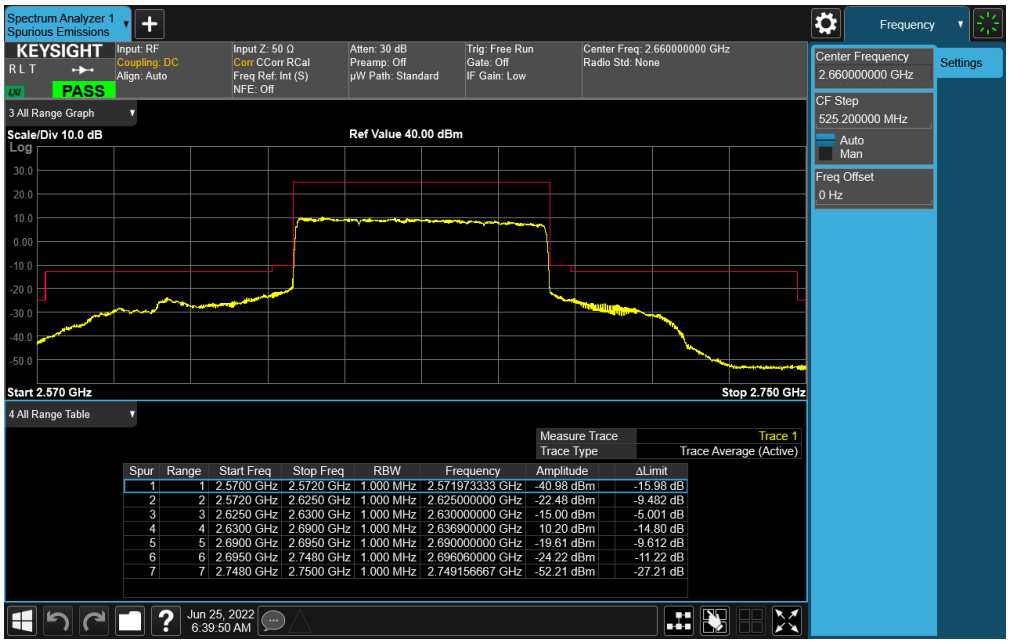
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.5900 GHz	2.5922 GHz	1.000 MHz	2.592189000 GHz	-41.81 dBm	-16.81 dB
2	2	2.5922 GHz	2.6350 GHz	1.000 MHz	2.616881333 GHz	-22.32 dBm	-9.322 dB
3	3	2.6350 GHz	2.6400 GHz	1.000 MHz	2.639958333 GHz	-18.01 dBm	-8.015 dB
4	4	2.6400 GHz	2.6900 GHz	1.000 MHz	2.650083333 GHz	11.89 dBm	-13.11 dB
5	5	2.6900 GHz	2.6950 GHz	1.000 MHz	2.690091667 GHz	-17.30 dBm	-7.298 dB
6	6	2.6950 GHz	2.7378 GHz	1.000 MHz	2.711478000 GHz	-23.40 dBm	-10.40 dB
7	7	2.7378 GHz	2.7400 GHz	1.000 MHz	2.739523333 GHz	-54.86 dBm	-29.86 dB

Plot 7-283. Upper ACP Plot (NR Band n41 - 50MHz DFT-s-OFDM π/2 BPSK – Full RB)



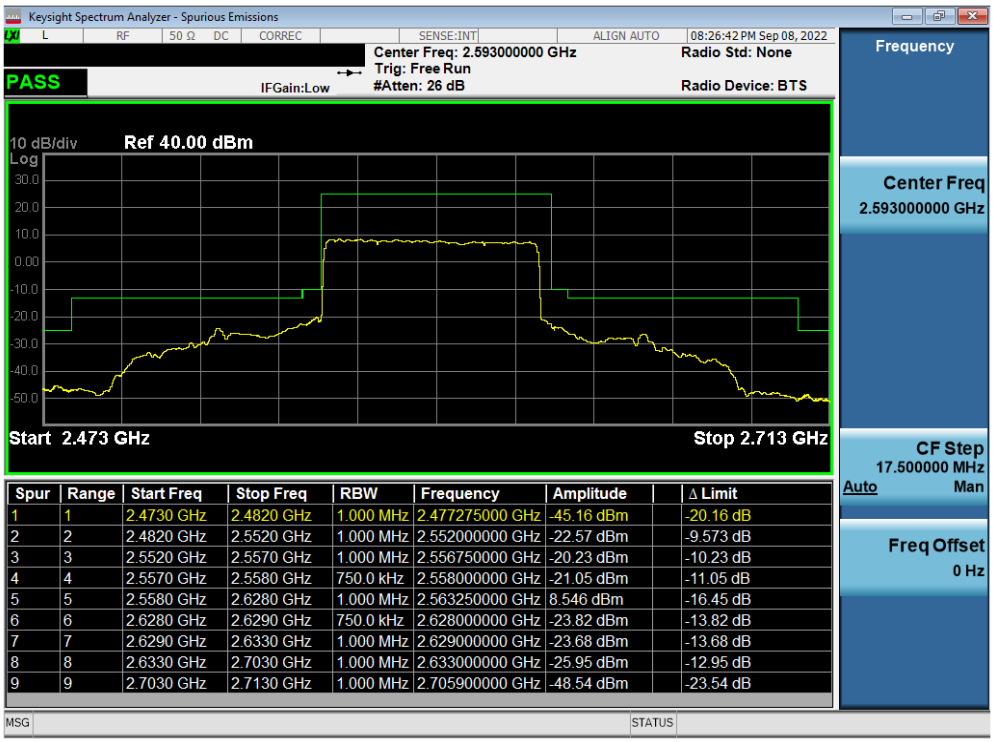
Plot 7-284. Lower ACP Plot (NR Band n41 - 60MHz CP-OFDM QPSK – Full RB)

Plot 7-285. Middle ACP Plot (NR Band n41 - 60MHz CP-OFDM QPSK – Full RB)



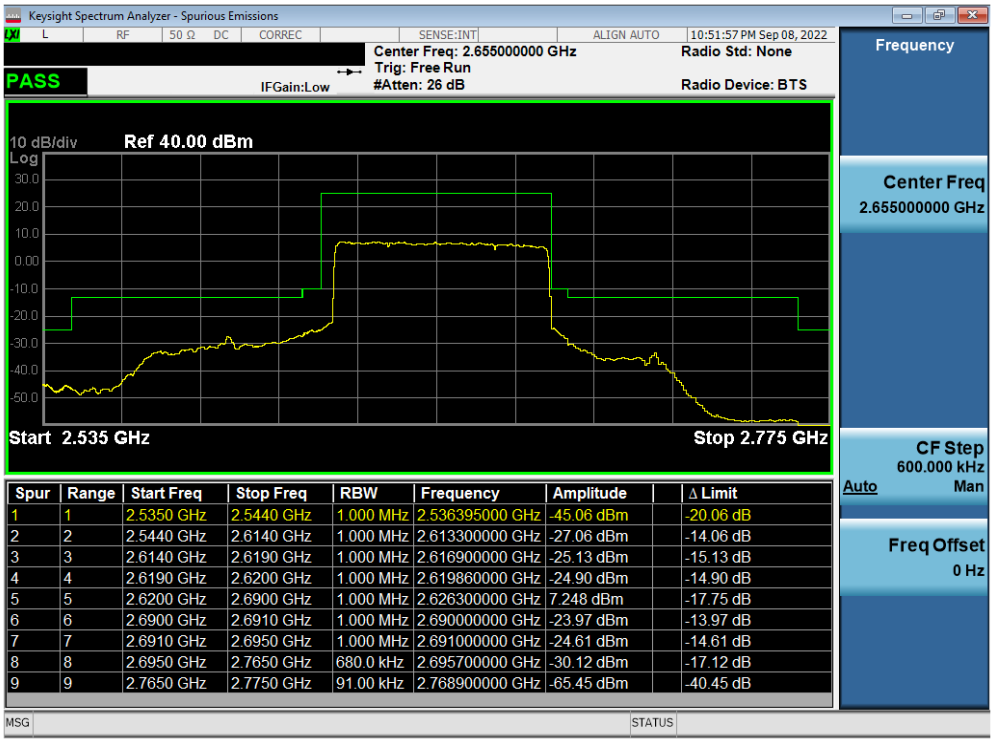
Plot 7-286. Upper ACP Plot (NR Band n41 - 60MHz CP-OFDM QPSK – Full RB)

Plot 7-287. Lower ACP Plot (NR Band n41 - 70MHz CP-OFDM QPSK – Full RB)



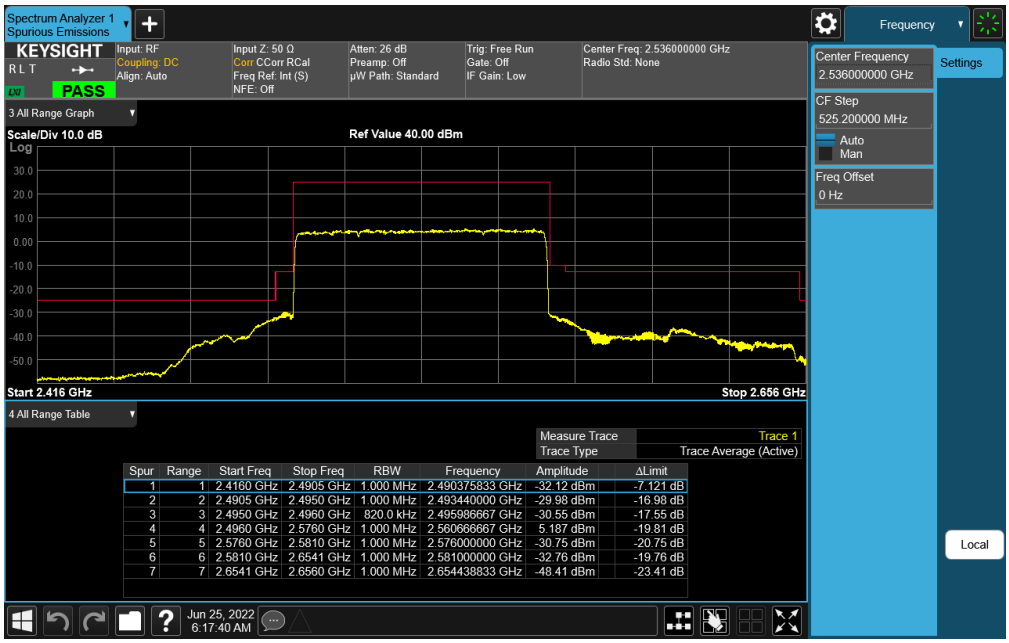
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4730 GHz	2.4820 GHz	1.000 MHz	2.477275000 GHz	-45.16 dBm	-20.16 dB
2	2	2.4820 GHz	2.5520 GHz	1.000 MHz	2.552000000 GHz	-22.57 dBm	-9.573 dB
3	3	2.5520 GHz	2.5570 GHz	1.000 MHz	2.556750000 GHz	-20.23 dBm	-10.23 dB
4	4	2.5570 GHz	2.5580 GHz	750.0 kHz	2.558000000 GHz	-21.05 dBm	-11.05 dB
5	5	2.5580 GHz	2.6280 GHz	1.000 MHz	2.563250000 GHz	8.546 dBm	-16.45 dB
6	6	2.6280 GHz	2.6290 GHz	750.0 kHz	2.628000000 GHz	-23.82 dBm	-13.82 dB
7	7	2.6290 GHz	2.6330 GHz	1.000 MHz	2.629000000 GHz	-23.68 dBm	-13.68 dB
8	8	2.6330 GHz	2.7030 GHz	1.000 MHz	2.633000000 GHz	-25.95 dBm	-12.95 dB
9	9	2.7030 GHz	2.7130 GHz	1.000 MHz	2.705900000 GHz	-48.54 dBm	-23.54 dB

Plot 7-288. Middle ACP Plot (NR Band n41 - 70MHz CP-OFDM QPSK – Full RB)



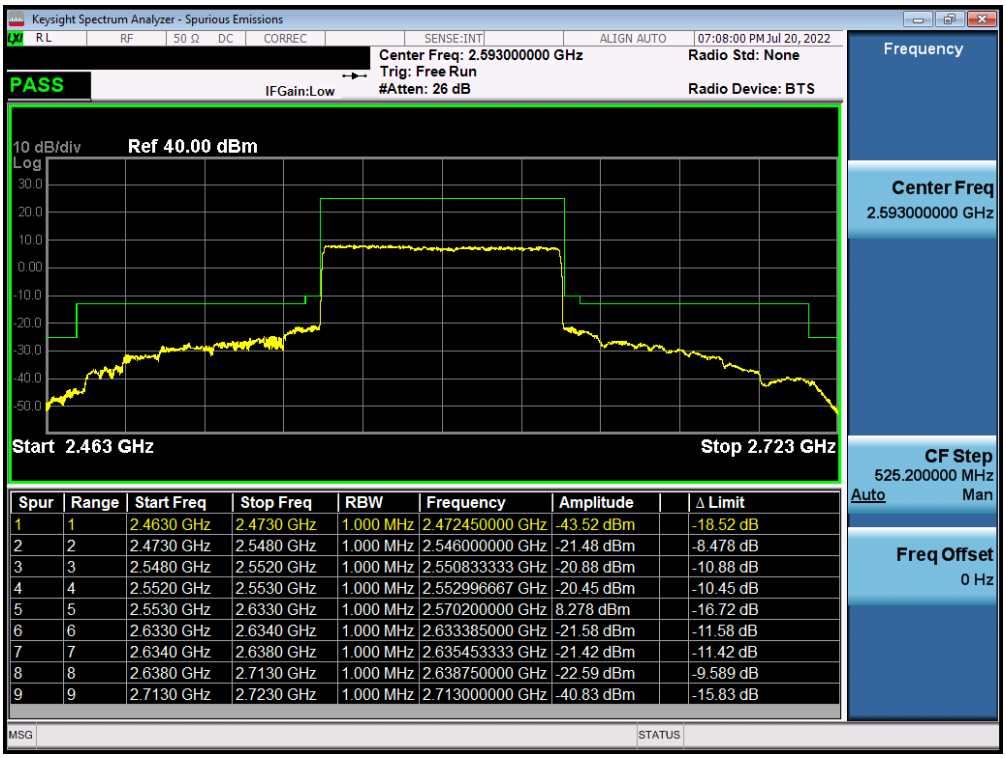
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.5350 GHz	2.5440 GHz	1.000 MHz	2.536395000 GHz	-45.06 dBm	-20.06 dB
2	2	2.5440 GHz	2.6140 GHz	1.000 MHz	2.613300000 GHz	-27.06 dBm	-14.06 dB
3	3	2.6140 GHz	2.6190 GHz	1.000 MHz	2.616900000 GHz	-25.13 dBm	-15.13 dB
4	4	2.6190 GHz	2.6200 GHz	1.000 MHz	2.619860000 GHz	-24.90 dBm	-14.90 dB
5	5	2.6200 GHz	2.6900 GHz	1.000 MHz	2.626300000 GHz	7.248 dBm	-17.75 dB
6	6	2.6900 GHz	2.6910 GHz	1.000 MHz	2.690000000 GHz	-23.97 dBm	-13.97 dB
7	7	2.6910 GHz	2.6950 GHz	1.000 MHz	2.691000000 GHz	-24.61 dBm	-14.61 dB
8	8	2.6950 GHz	2.7650 GHz	680.0 kHz	2.695700000 GHz	-30.12 dBm	-17.12 dB
9	9	2.7650 GHz	2.7750 GHz	91.00 kHz	2.768900000 GHz	-65.45 dBm	-40.45 dB

Plot 7-289. Upper ACP Plot (NR Band n41 - 70MHz CP-OFDM QPSK – Full RB)



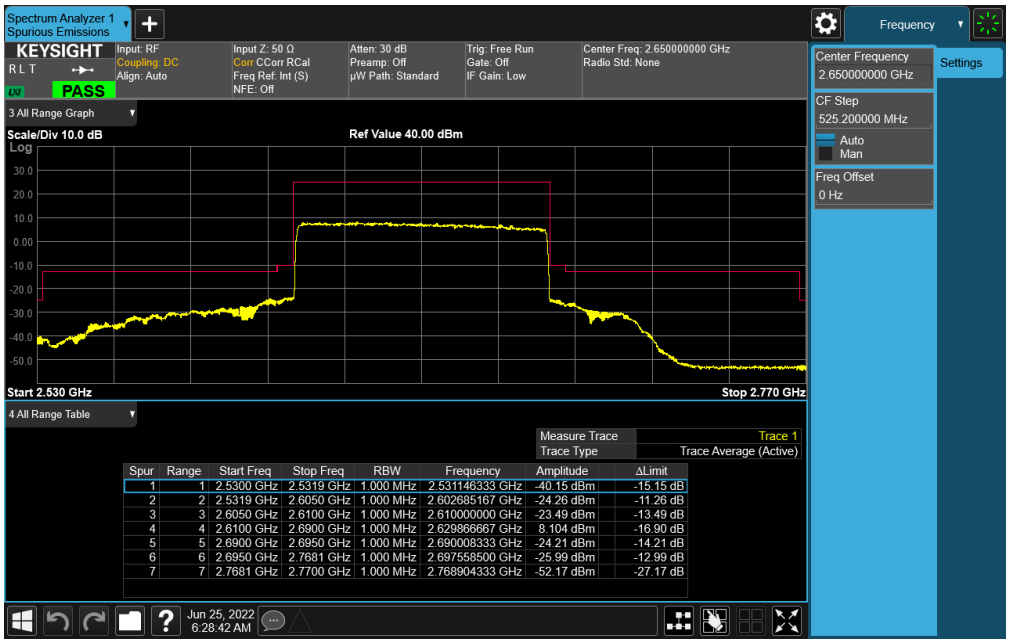
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	2.4160 GHz	2.4905 GHz	1.000 MHz	2.490375833 GHz	-32.12 dBm	-7.121 dB
2	2	2.4905 GHz	2.4950 GHz	1.000 MHz	2.493440000 GHz	-29.98 dBm	-16.98 dB
3	3	2.4950 GHz	2.4960 GHz	820.0 kHz	2.495986667 GHz	-30.55 dBm	-17.55 dB
4	4	2.4960 GHz	2.5760 GHz	1.000 MHz	2.560666667 GHz	5.187 dBm	-19.81 dB
5	5	2.5760 GHz	2.5810 GHz	1.000 MHz	2.576000000 GHz	-30.75 dBm	-20.75 dB
6	6	2.5810 GHz	2.6541 GHz	1.000 MHz	2.581000000 GHz	-32.76 dBm	-19.76 dB
7	7	2.6541 GHz	2.6560 GHz	1.000 MHz	2.654438833 GHz	-48.41 dBm	-23.41 dB

Plot 7-290. Lower ACP Plot (NR Band n41 - 80MHz CP-OFDM QPSK – Full RB)

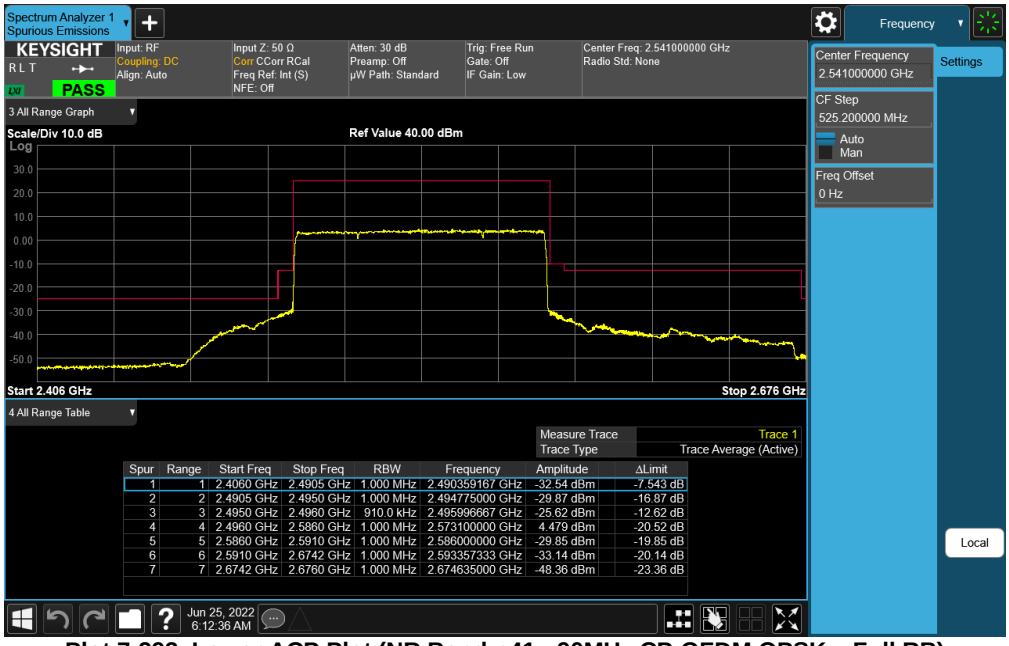


Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4630 GHz	2.4730 GHz	1.000 MHz	2.472450000 GHz	-43.52 dBm	-18.52 dB
2	2	2.4730 GHz	2.5480 GHz	1.000 MHz	2.546000000 GHz	-21.48 dBm	-8.478 dB
3	3	2.5480 GHz	2.5520 GHz	1.000 MHz	2.550833333 GHz	-20.88 dBm	-10.88 dB
4	4	2.5520 GHz	2.5530 GHz	1.000 MHz	2.552996667 GHz	-20.45 dBm	-10.45 dB
5	5	2.5530 GHz	2.6330 GHz	1.000 MHz	2.570200000 GHz	8.278 dBm	-16.72 dB
6	6	2.6330 GHz	2.6340 GHz	1.000 MHz	2.633385000 GHz	-21.58 dBm	-11.58 dB
7	7	2.6340 GHz	2.6380 GHz	1.000 MHz	2.635453333 GHz	-21.42 dBm	-11.42 dB
8	8	2.6380 GHz	2.7130 GHz	1.000 MHz	2.638750000 GHz	-22.59 dBm	-9.589 dB
9	9	2.7130 GHz	2.7230 GHz	1.000 MHz	2.713000000 GHz	-40.83 dBm	-15.83 dB

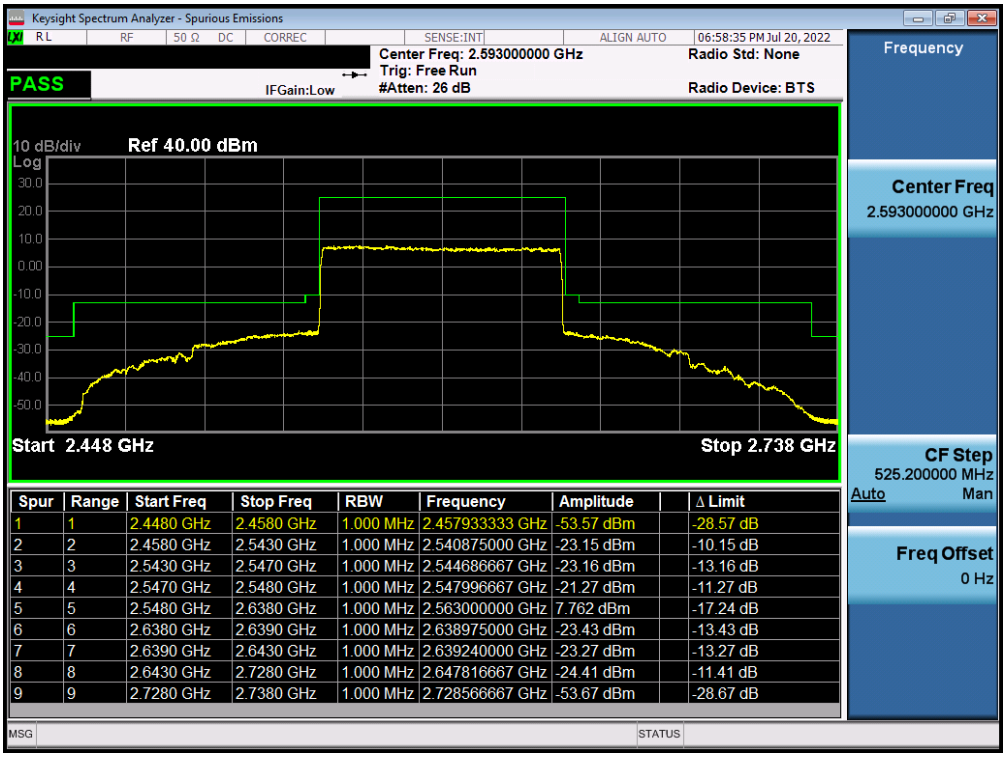
Plot 7-291. Middle ACP Plot (NR Band n41 - 80MHz CP-OFDM QPSK – Full RB)



Plot 7-292. Upper ACP Plot (NR Band n41 - 80MHz CP-OFDM QPSK – Full RB)

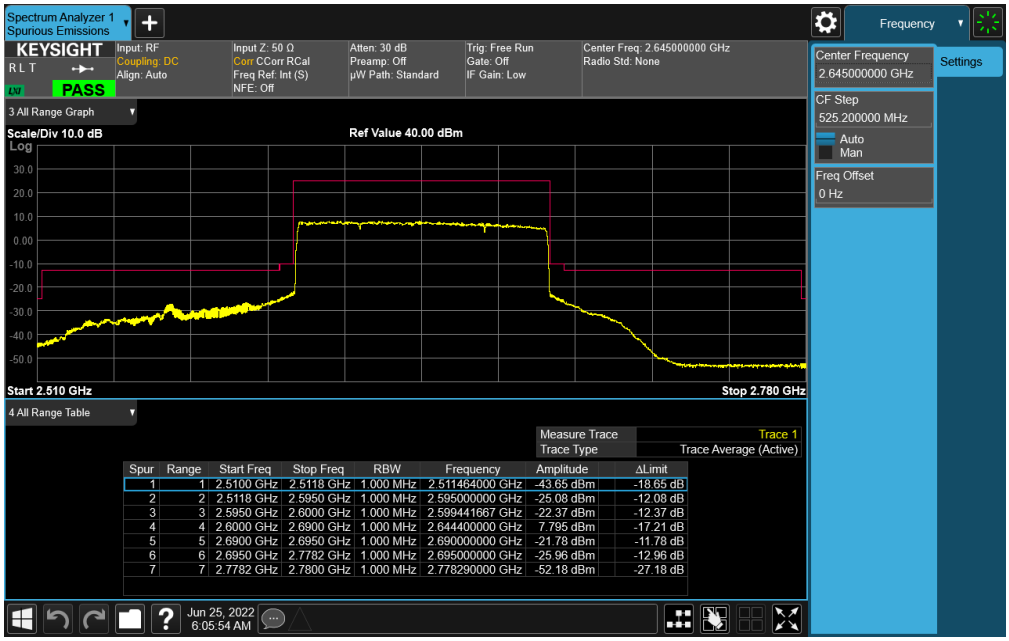


Plot 7-293. Lower ACP Plot (NR Band n41 - 90MHz CP-OFDM QPSK – Full RB)



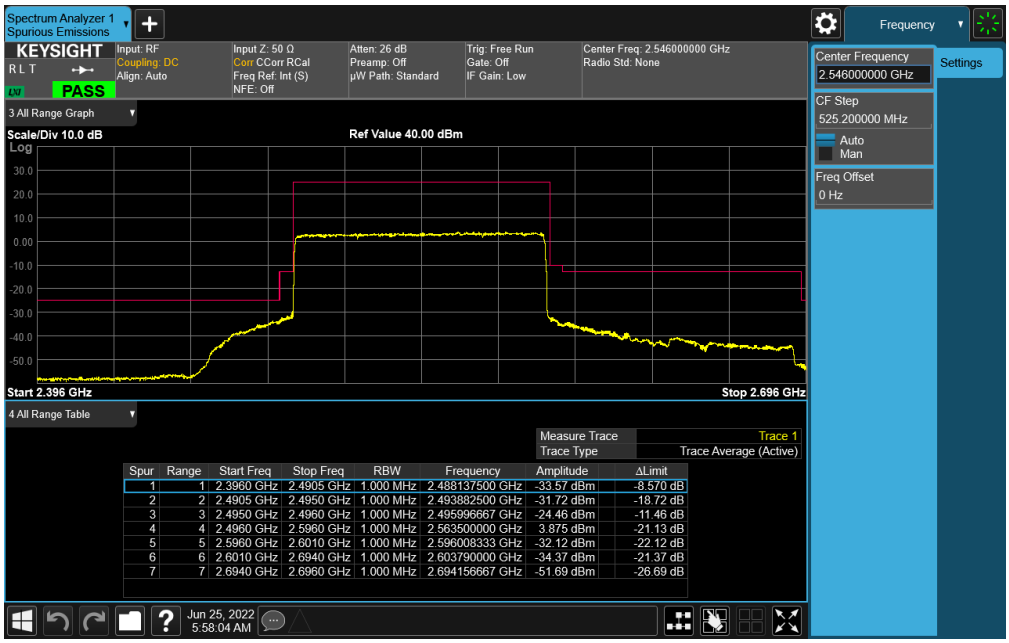
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4480 GHz	2.4580 GHz	1.000 MHz	2.457933333 GHz	-53.57 dBm	-28.57 dB
2	2	2.4580 GHz	2.5430 GHz	1.000 MHz	2.540875000 GHz	-23.15 dBm	-10.15 dB
3	3	2.5430 GHz	2.5470 GHz	1.000 MHz	2.544686667 GHz	-23.16 dBm	-13.16 dB
4	4	2.5470 GHz	2.5480 GHz	1.000 MHz	2.547996667 GHz	-21.27 dBm	-11.27 dB
5	5	2.5480 GHz	2.6380 GHz	1.000 MHz	2.563000000 GHz	7.762 dBm	-17.24 dB
6	6	2.6380 GHz	2.6390 GHz	1.000 MHz	2.638975000 GHz	-23.43 dBm	-13.43 dB
7	7	2.6390 GHz	2.6430 GHz	1.000 MHz	2.639240000 GHz	-23.27 dBm	-13.27 dB
8	8	2.6430 GHz	2.7280 GHz	1.000 MHz	2.647816667 GHz	-24.41 dBm	-11.41 dB
9	9	2.7280 GHz	2.7380 GHz	1.000 MHz	2.728566667 GHz	-53.67 dBm	-28.67 dB

Plot 7-294. Middle ACP Plot (NR Band n41 - 90MHz CP-OFDM QPSK – Full RB)

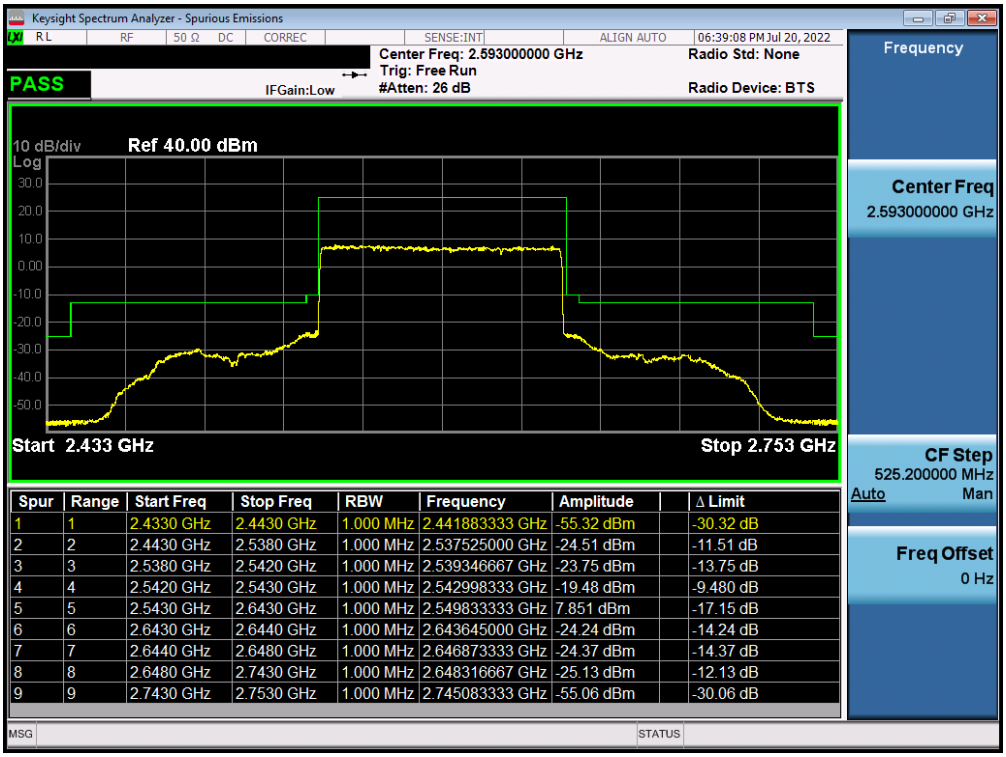


Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	2.5100 GHz	2.5118 GHz	1.000 MHz	2.511464000 GHz	-43.65 dBm	-18.65 dB
2	2	2.5118 GHz	2.5950 GHz	1.000 MHz	2.595000000 GHz	-25.08 dBm	-12.08 dB
3	3	2.5950 GHz	2.6000 GHz	1.000 MHz	2.599441667 GHz	-22.37 dBm	-12.37 dB
4	4	2.6000 GHz	2.6900 GHz	1.000 MHz	2.644400000 GHz	7.795 dBm	-17.21 dB
5	5	2.6900 GHz	2.6950 GHz	1.000 MHz	2.690000000 GHz	-21.78 dBm	-11.78 dB
6	6	2.6950 GHz	2.7782 GHz	1.000 MHz	2.695000000 GHz	-25.96 dBm	-12.96 dB
7	7	2.7782 GHz	2.7800 GHz	1.000 MHz	2.778290000 GHz	-52.18 dBm	-27.18 dB

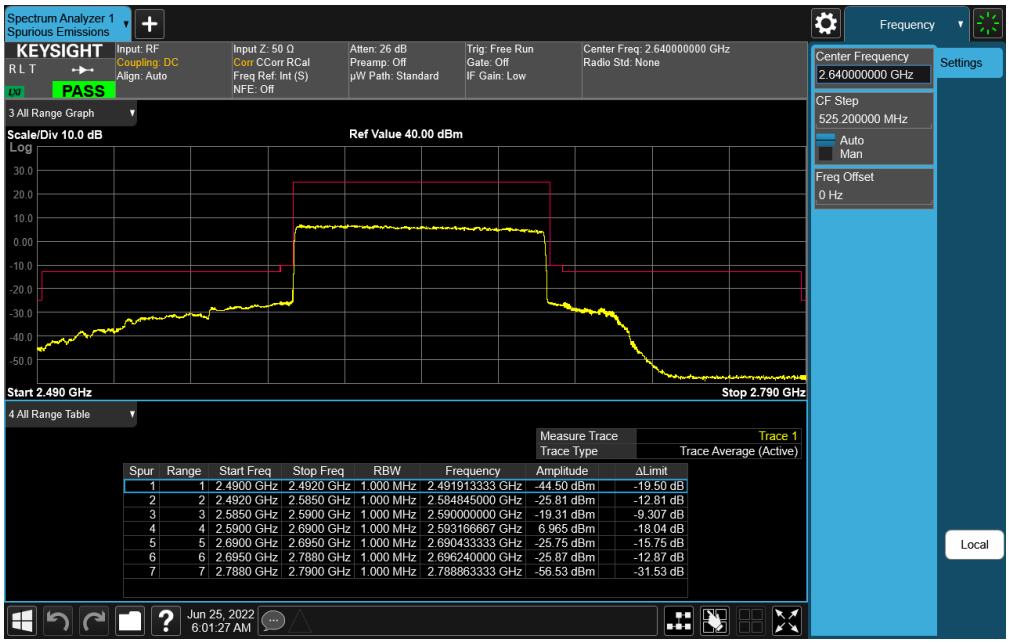
Plot 7-295. Upper ACP Plot (NR Band n41 - 90MHz CP-OFDM QPSK – Full RB)



Plot 7-296. Lower ACP Plot (NR Band n41 - 100MHz CP-OFDM QPSK – Full RB)

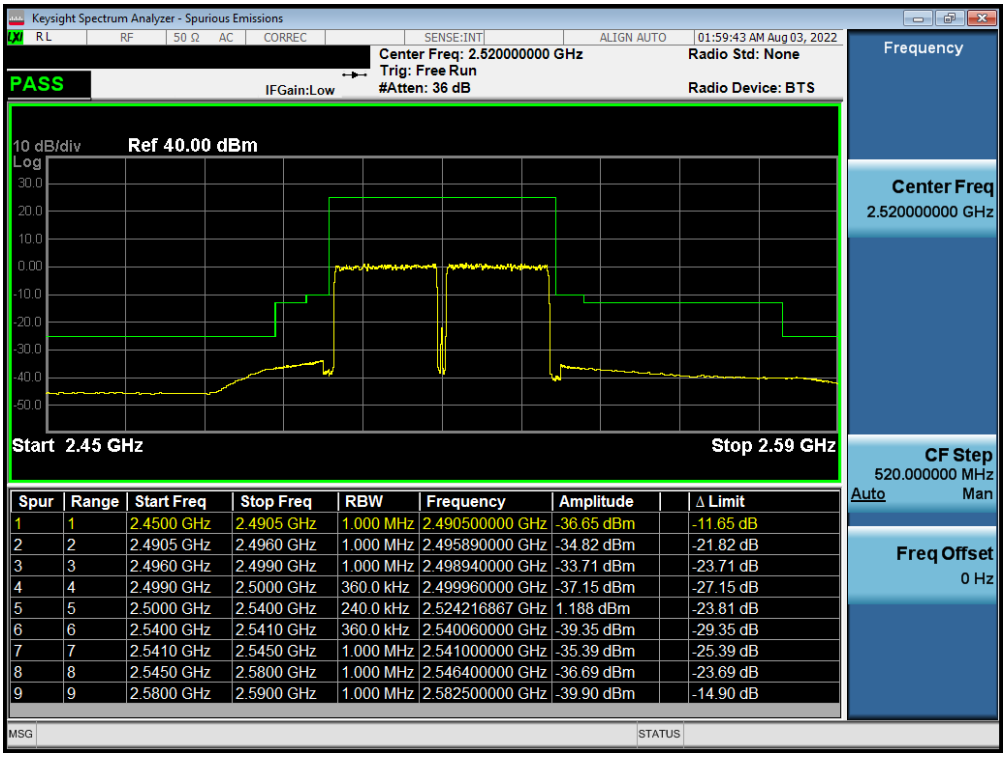


Plot 7-297. Middle ACP Plot (NR Band n41 - 100MHz CP-OFDM QPSK – Full RB)



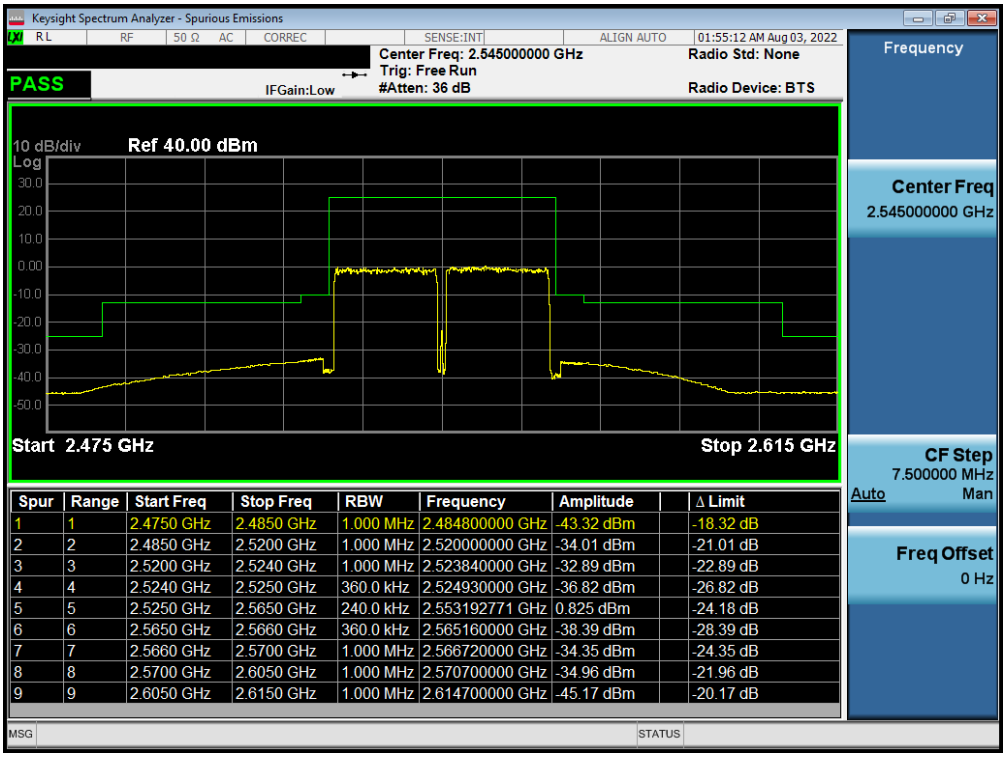
Plot 7-298. Upper ACP Plot (NR Band n41 - 100MHz CP-OFDM QPSK – Full RB)

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	-36.65 dBm	-11.65 dB
2	2	2.4905 GHz	2.4960 GHz	1.000 MHz	2.495890000 GHz	-34.82 dBm	-21.82 dB
3	3	2.4960 GHz	2.4990 GHz	1.000 MHz	2.498940000 GHz	-33.71 dBm	-23.71 dB
4	4	2.4990 GHz	2.5000 GHz	360.0 kHz	2.499960000 GHz	-37.15 dBm	-27.15 dB
5	5	2.5000 GHz	2.5400 GHz	240.0 kHz	2.524216867 GHz	1.188 dBm	-23.81 dB
6	6	2.5400 GHz	2.5410 GHz	360.0 kHz	2.540060000 GHz	-39.35 dBm	-29.35 dB
7	7	2.5410 GHz	2.5450 GHz	1.000 MHz	2.541000000 GHz	-35.39 dBm	-25.39 dB
8	8	2.5450 GHz	2.5800 GHz	1.000 MHz	2.546400000 GHz	-36.69 dBm	-23.69 dB
9	9	2.5800 GHz	2.5900 GHz	1.000 MHz	2.582500000 GHz	-39.90 dBm	-14.90 dB

Plot 7-299. Lower ACP Plot (ULCA LTE B7 – (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	2.484800000 GHz	-43.32 dBm	-18.32 dB
2	2	2.4850 GHz	2.5200 GHz	1.000 MHz	2.520000000 GHz	-34.01 dBm	-21.01 dB
3	3	2.5200 GHz	2.5240 GHz	1.000 MHz	2.523840000 GHz	-32.89 dBm	-22.89 dB
4	4	2.5240 GHz	2.5250 GHz	360.0 kHz	2.524930000 GHz	-36.82 dBm	-26.82 dB
5	5	2.5250 GHz	2.5650 GHz	240.0 kHz	2.553192771 GHz	0.825 dBm	-24.18 dB
6	6	2.5650 GHz	2.5660 GHz	360.0 kHz	2.565160000 GHz	-38.39 dBm	-28.39 dB
7	7	2.5660 GHz	2.5700 GHz	1.000 MHz	2.566720000 GHz	-34.35 dBm	-24.35 dB
8	8	2.5700 GHz	2.6050 GHz	1.000 MHz	2.570700000 GHz	-34.96 dBm	-21.96 dB
9	9	2.6050 GHz	2.6150 GHz	1.000 MHz	2.614700000 GHz	-45.17 dBm	-20.17 dB

Plot 7-300. Middle ACP Plot (ULCA LTE B7 – (20+20)MHz QPSK – Full RB)

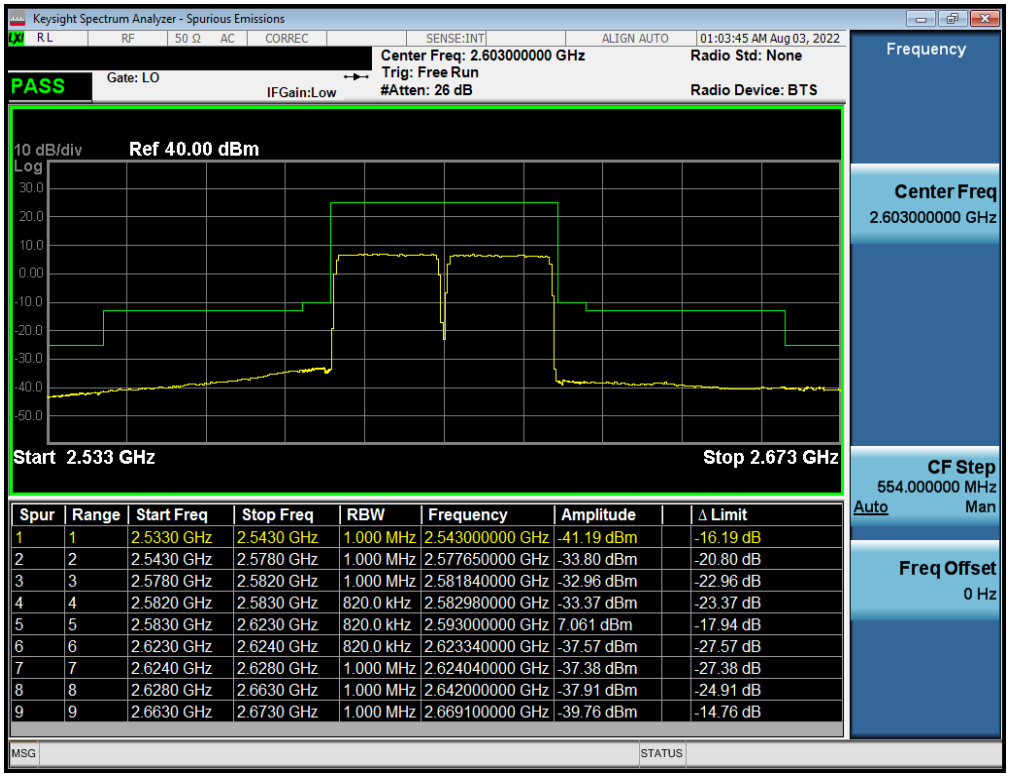
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4800 GHz	2.4900 GHz	1.000 MHz	2.489500000 GHz	-40.41 dBm	-15.41 dB
2	2	2.4900 GHz	2.5250 GHz	1.000 MHz	2.525000000 GHz	-33.39 dBm	-20.39 dB
3	3	2.5250 GHz	2.5290 GHz	1.000 MHz	2.528840000 GHz	-32.25 dBm	-22.25 dB
4	4	2.5290 GHz	2.5300 GHz	820.0 kHz	2.529940000 GHz	-32.59 dBm	-22.59 dB
5	5	2.5300 GHz	2.5700 GHz	820.0 kHz	2.552000000 GHz	5.579 dBm	-19.42 dB
6	6	2.5700 GHz	2.5710 GHz	820.0 kHz	2.570050000 GHz	-31.91 dBm	-21.91 dB
7	7	2.5710 GHz	2.5750 GHz	1.000 MHz	2.571560000 GHz	-32.13 dBm	-22.13 dB
8	8	2.5750 GHz	2.6100 GHz	1.000 MHz	2.575700000 GHz	-33.06 dBm	-20.06 dB
9	9	2.6100 GHz	2.6200 GHz	1.000 MHz	2.616500000 GHz	-45.01 dBm	-20.01 dB

Plot 7-301. Upper ACP Plot (ULCA LTE B7 – (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	2.490500000 GHz	-36.67 dBm	-11.67 dB
2	2	2.4905 GHz	2.4950 GHz	1.000 MHz	2.494820000 GHz	-34.91 dBm	-21.91 dB
3	3	2.4950 GHz	2.4960 GHz	430.0 kHz	2.495980000 GHz	-37.55 dBm	-24.55 dB
4	4	2.4960 GHz	2.5360 GHz	430.0 kHz	2.523027027 GHz	4.362 dBm	-20.64 dB
5	5	2.5360 GHz	2.5370 GHz	430.0 kHz	2.536350000 GHz	-38.32 dBm	-28.32 dB
6	6	2.5370 GHz	2.5410 GHz	1.000 MHz	2.538680000 GHz	-35.16 dBm	-25.16 dB
7	7	2.5410 GHz	2.5739 GHz	1.000 MHz	2.541329000 GHz	-35.62 dBm	-22.62 dB
8	8	2.5739 GHz	2.5760 GHz	1.000 MHz	2.575622000 GHz	-38.89 dBm	-13.89 dB

Plot 7-302. Lower ACP Plot (ULCA LTE B41 – (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	2.543000000 GHz	-41.19 dBm	-16.19 dB
2	2	2.5430 GHz	2.5780 GHz	1.000 MHz	2.577650000 GHz	-33.80 dBm	-20.80 dB
3	3	2.5780 GHz	2.5820 GHz	1.000 MHz	2.581840000 GHz	-32.96 dBm	-22.96 dB
4	4	2.5820 GHz	2.5830 GHz	820.0 kHz	2.582980000 GHz	-33.37 dBm	-23.37 dB
5	5	2.5830 GHz	2.6230 GHz	820.0 kHz	2.593000000 GHz	7.061 dBm	-17.94 dB
6	6	2.6230 GHz	2.6240 GHz	820.0 kHz	2.623340000 GHz	-37.57 dBm	-27.57 dB
7	7	2.6240 GHz	2.6280 GHz	1.000 MHz	2.624040000 GHz	-37.38 dBm	-27.38 dB
8	8	2.6280 GHz	2.6630 GHz	1.000 MHz	2.642000000 GHz	-37.91 dBm	-24.91 dB
9	9	2.6630 GHz	2.6730 GHz	1.000 MHz	2.669100000 GHz	-39.76 dBm	-14.76 dB

Plot 7-303. Middle ACP Plot (ULCA LTE B41 – (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	2.609800000 GHz	-38.80 dBm	-13.80 dB
2	2	2.6100 GHz	2.6450 GHz	1.000 MHz	2.643950000 GHz	-30.69 dBm	-17.69 dB
3	3	2.6450 GHz	2.6490 GHz	1.000 MHz	2.648200000 GHz	-29.69 dBm	-19.69 dB
4	4	2.6490 GHz	2.6500 GHz	820.0 kHz	2.650000000 GHz	-30.41 dBm	-20.41 dB
5	5	2.6500 GHz	2.6900 GHz	820.0 kHz	2.681600000 GHz	7.367 dBm	-17.63 dB
6	6	2.6900 GHz	2.6910 GHz	820.0 kHz	2.690220000 GHz	-34.80 dBm	-24.80 dB
7	7	2.6910 GHz	2.6950 GHz	1.000 MHz	2.691560000 GHz	-34.35 dBm	-24.35 dB
8	8	2.6950 GHz	2.7300 GHz	1.000 MHz	2.696050000 GHz	-35.68 dBm	-22.68 dB
9	9	2.7300 GHz	2.7400 GHz	1.000 MHz	2.730200000 GHz	-42.53 dBm	-17.53 dB

Plot 7-304. Upper ACP Plot (ULCA LTE B41 – (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

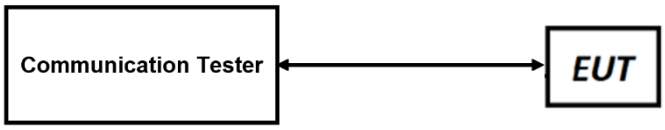


Figure 7-4. Conducted Power Measurement Setup

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	25.80	24.7	**1.10**
										16-QAM	1	25.29	23.7	**1.59**
										64-QAM	2	24.44	22.7	**1.74**
										256-QAM	4	23.49	20.7	**2.79**
2				5	39675	2498.5	1	9	0	QPSK	0	28.70	27.7	**1.00**
										16-QAM	1	28.41	26.7	**1.71**
										64-QAM	2	27.55	25.7	**1.85**
										256-QAM	4	24.38	23.7	**0.68**
3				10	39700	2501	1	0	5	QPSK	0	23.81	22.7	**1.11**
										16-QAM	1	23.33	21.7	**1.63**
										64-QAM	2	22.38	20.7	**1.68**
										256-QAM	4	19.23	18.7	**0.53**
4				10	39700	2501	20	0	2	QPSK	0	26.15	25.7	**0.45**
										16-QAM	1	25.43	24.7	**0.73**
										64-QAM	2	24.42	23.7	**0.72**
										256-QAM	4	22.36	21.7	**0.66**
5				10	39700	2501	50	0	3	QPSK	0	25.30	24.7	**0.60**
										16-QAM	1	24.33	23.7	**0.63**
										64-QAM	2	23.28	22.7	**0.58**
										256-QAM	4	21.36	20.7	**0.66**
6				10	39700	2501	25	20	1	QPSK	0	27.30	26.7	**0.60**
										16-QAM	1	26.28	25.7	**0.58**
										64-QAM	2	25.38	24.7	**0.68**
										256-QAM	4	24.32	22.7	**1.62**
7				10	39700	2501	1	36	0	QPSK	0	28.70	27.7	**1.00**
										16-QAM	1	28.32	26.7	**1.62**
										64-QAM	2	27.46	25.7	**1.76**
										256-QAM	4	24.22	23.7	**0.52**
8				15	39725	2503.5	1	0	5	QPSK	0	23.53	22.7	**0.83**
										16-QAM	1	22.94	21.7	**1.24**
										64-QAM	2	22.04	20.7	**1.34**
										256-QAM	4	19.08	18.7	**0.38**
9				15	39725	2503.5	20	0	2	QPSK	0	26.10	25.7	**0.40**
										16-QAM	1	25.15	24.7	**0.45**
										64-QAM	2	24.17	23.7	**0.47**
										256-QAM	4	22.18	21.7	**0.48**
10				15	39725	2503.5	75	0	4	QPSK	0	24.25	23.7	**0.55**
										16-QAM	1	23.22	22.7	**0.52**
										64-QAM	2	22.25	21.7	**0.55**
										256-QAM	4	20.26	19.7	**0.56**
11				15	39725	2503.5	50	15	3	QPSK	0	25.23	24.7	**0.53**
										16-QAM	1	24.26	23.7	**0.56**
										64-QAM	2	23.22	22.7	**0.52**
										256-QAM	4	21.18	20.7	**0.48**
12				15	39725	2503.5	1	60	0	QPSK	0	28.69	27.7	**0.99**
										16-QAM	1	28.28	26.7	**1.58**
										64-QAM	2	27.44	25.7	**1.74**
										256-QAM	4	24.06	23.7	**0.36**
13				20	39750	2506	1	0	5	QPSK	0	23.49	22.7	**0.79**
										16-QAM	1	23.12	21.7	**1.42**
										64-QAM	2	21.97	20.7	**1.27**
										256-QAM	4	19.13	18.7	**0.43**
14				20	39750	2506	20	0	2	QPSK	0	26.06	25.7	**0.36**
										16-QAM	1	25.13	24.7	**0.43**
										64-QAM	2	24.13	23.7	**0.43**
										256-QAM	4	22.08	21.7	**0.38**
15				20	39750	2506	100	0	4	QPSK	0	24.08	23.7	**0.38**
										16-QAM	1	23.20	22.7	**0.50**
										64-QAM	2	22.18	21.7	**0.48**
										256-QAM	4	20.08	19.7	**0.38**
16				20	39750	2506	75	24	3	QPSK	0	25.06	24.7	**0.36**
										16-QAM	1	24.26	23.7	**0.56**
										64-QAM	2	23.15	22.7	**0.45**
										256-QAM	4	21.11	20.7	**0.41**
17				20	39750	2506	1	77	0	QPSK	0	28.54	27.7	**0.84**
										16-QAM	1	28.25	26.7	**1.55**
										64-QAM	2	27.33	25.7	**1.63**
										256-QAM	4	24.05	23.7	**0.35**
18	01	311	490	5	39675	2498.5	1	0	3	QPSK	0	25.77	24.7	**1.07**
										16-QAM	1	25.41	23.7	**1.71**
										64-QAM	2	24.45	22.7	**1.75**
										256-QAM	4	21.20	20.7	**0.50**
19	01	001	01	5	39675	2498.5	1	0	0	QPSK	0	28.70	27.7	**1.00**
										16-QAM	1	28.41	26.7	**1.71**
										64-QAM	2	27.33	25.7	**1.63**
										256-QAM	4	24.22	23.7	**0.52**

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.

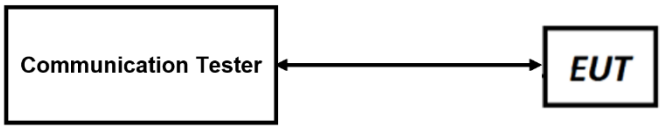


Figure 7-5. EIRP Measurement Setup

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 [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2307.5	-0.30	1 / 12	23.30	**23.00**	0.200	23.98	-0.98
		2310.0	-0.30	1 / 12	22.96	22.66	0.185	23.98	-1.32
		2312.5	-0.30	1 / 12	22.76	22.46	0.176	23.98	-1.52
	16-QAM	2307.5	-0.30	1 / 12	22.22	21.92	0.156	23.98	-2.06
	64-QAM	2310.0	-0.30	1 / 0	21.31	21.01	0.126	23.98	-2.97
	256-QAM	2312.5	-0.30	1 / 0	18.23	17.93	0.062	23.98	-6.05
10 MHz	QPSK	2310.0	-0.30	1 / 0	23.30	**23.00**	0.200	23.98	-0.98
	16-QAM	2310.0	-0.30	1 / 0	22.54	22.24	0.167	23.98	-1.74
	64-QAM	2310.0	-0.30	1 / 0	21.83	21.53	0.142	23.98	-2.45
	256-QAM	2310.0	-0.30	1 / 25	18.15	17.85	0.061	23.98	-6.13

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 [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2502.5	0.20	1 / 0	25.61	**25.81**	0.381	33.01	-7.20
		2535.0	0.20	1 / 12	25.09	25.29	0.338	33.01	-7.72
		2567.5	0.20	1 / 12	25.70	**25.90**	0.389	33.01	-7.11
	16-QAM	2502.5	0.20	1 / 0	24.69	24.89	0.308	33.01	-8.12
	64-QAM	2567.5	0.20	1 / 24	23.97	24.17	0.261	33.01	-8.84
	256-QAM	2567.5	0.20	1 / 24	20.91	21.11	0.129	33.01	-11.90
10 MHz	QPSK	2505.0	0.20	1 / 0	25.56	25.76	0.377	33.01	-7.25
		2535.0	0.20	1 / 49	25.08	25.28	0.337	33.01	-7.73
		2565.0	0.20	1 / 49	25.70	**25.90**	0.389	33.01	-7.11
	16-QAM	2565.0	0.20	1 / 49	24.75	24.95	0.313	33.01	-8.06
	64-QAM	2565.0	0.20	1 / 49	23.81	24.01	0.252	33.01	-9.00
	256-QAM	2505.0	0.20	1 / 0	20.77	20.97	0.125	33.01	-12.04
15 MHz	QPSK	2507.5	0.20	1 / 0	25.39	25.59	0.362	33.01	-7.42
		2535.0	0.20	1 / 74	25.29	25.49	0.354	33.01	-7.52
		2562.5	0.20	1 / 74	25.70	**25.90**	0.389	33.01	-7.11
	16-QAM	2562.5	0.20	1 / 74	24.79	24.99	0.316	33.01	-8.02
	64-QAM	2562.5	0.20	1 / 74	23.94	24.14	0.259	33.01	-8.87
	256-QAM	2562.5	0.20	1 / 74	21.21	21.41	0.138	33.01	-11.60
20 MHz	QPSK	2510.0	0.20	1 / 0	25.22	25.42	0.348	33.01	-7.59
		2535.0	0.20	1 / 99	24.89	25.09	0.323	33.01	-7.92
		2560.0	0.20	1 / 99	25.70	**25.90**	0.389	33.01	-7.11
	16-QAM	2560.0	0.20	1 / 50	24.90	25.10	0.324	33.01	-7.91
	64-QAM	2560.0	0.20	1 / 99	23.84	24.04	0.254	33.01	-8.97
	256-QAM	2510.0	0.20	1 / 50	20.85	21.05	0.127	33.01	-11.96

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 [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2498.5	-0.40	1 / 12	27.63	**27.23**	0.528	33.01	-5.78
		2593.0	-0.40	1 / 12	27.27	26.87	0.486	33.01	-6.14
		2687.5	-0.40	1 / 12	27.70	**27.30**	0.537	33.01	-5.71
	16-QAM	2687.5	-0.40	1 / 12	27.33	26.93	0.493	33.01	-6.08
	64-QAM	2687.5	-0.40	1 / 24	26.29	25.89	0.388	33.01	-7.12
	256-QAM	2687.5	-0.40	1 / 12	23.45	23.05	0.202	33.01	-9.96
10 MHz	QPSK	2501.0	-0.40	1 / 25	27.40	27.00	0.501	33.01	-6.01
		2593.0	-0.40	1 / 25	27.34	26.94	0.494	33.01	-6.07
		2685.0	-0.40	1 / 49	27.70	**27.30**	0.537	33.01	-5.71
	16-QAM	2685.0	-0.40	1 / 0	27.11	26.71	0.469	33.01	-6.30
	64-QAM	2685.0	-0.40	1 / 25	25.90	25.50	0.355	33.01	-7.51
	256-QAM	2685.0	-0.40	1 / 25	23.31	22.91	0.195	33.01	-10.10
15 MHz	QPSK	2503.5	-0.40	1 / 74	27.51	27.11	0.514	33.01	-5.90
		2593.0	-0.40	1 / 37	27.41	27.01	0.502	33.01	-6.00
		2682.5	-0.40	1 / 37	27.70	**27.30**	0.537	33.01	-5.71
	16-QAM	2682.5	-0.40	1 / 37	27.25	26.85	0.484	33.01	-6.16
	64-QAM	2682.5	-0.40	1 / 37	26.20	25.80	0.380	33.01	-7.21
	256-QAM	2682.5	-0.40	1 / 37	23.27	22.87	0.194	33.01	-10.14
20 MHz	QPSK	2506.0	-0.40	1 / 99	27.36	26.96	0.497	33.01	-6.05
		2593.0	-0.40	1 / 99	27.26	26.86	0.485	33.01	-6.15
		2680.0	-0.40	1 / 50	27.70	**27.30**	0.537	33.01	-5.71
	16-QAM	2680.0	-0.40	1 / 50	27.31	26.91	0.491	33.01	-6.10
	64-QAM	2680.0	-0.40	1 / 50	26.17	25.77	0.378	33.01	-7.24
	256-QAM	2680.0	-0.40	1 / 50	23.00	22.60	0.182	33.01	-10.41

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 [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2498.5	-0.40	1 / 24	25.53	**25.13**	0.326	33.01	-7.88
		2593.0	-0.40	1 / 12	25.49	25.09	0.323	33.01	-7.92
		2687.5	-0.40	1 / 24	25.70	**25.30**	0.339	33.01	-7.71
	16-QAM	2687.5	-0.40	1 / 12	25.25	24.85	0.305	33.01	-8.16
	64-QAM	2687.5	-0.40	1 / 12	24.33	23.93	0.247	33.01	-9.08
	256-QAM	2687.5	-0.40	1 / 0	21.36	20.96	0.125	33.01	-12.05
10 MHz	QPSK	2501.0	-0.40	1 / 25	25.60	25.20	0.331	33.01	-7.81
		2593.0	-0.40	1 / 25	25.54	25.14	0.327	33.01	-7.87
		2685.0	-0.40	1 / 25	25.70	**25.30**	0.339	33.01	-7.71
	16-QAM	2685.0	-0.40	1 / 25	25.18	24.78	0.301	33.01	-8.23
	64-QAM	2593.0	-0.40	1 / 25	24.07	23.67	0.233	33.01	-9.34
	256-QAM	2685.0	-0.40	1 / 25	21.33	20.93	0.124	33.01	-12.08
15 MHz	QPSK	2503.5	-0.40	1 / 74	25.61	25.21	0.332	33.01	-7.80
		2593.0	-0.40	1 / 37	25.54	25.14	0.327	33.01	-7.87
		2682.5	-0.40	1 / 37	25.70	**25.30**	0.339	33.01	-7.71
	16-QAM	2682.5	-0.40	1 / 74	25.23	24.83	0.304	33.01	-8.18
	64-QAM	2593.0	-0.40	1 / 37	24.03	23.63	0.231	33.01	-9.38
	256-QAM	2682.5	-0.40	1 / 37	21.30	20.90	0.123	33.01	-12.11
20 MHz	QPSK	2506.0	-0.40	1 / 99	25.36	24.96	0.313	33.01	-8.05
		2593.0	-0.40	1 / 99	25.31	24.91	0.310	33.01	-8.10
		2680.0	-0.40	1 / 50	25.70	**25.30**	0.339	33.01	-7.71
	16-QAM	2680.0	-0.40	1 / 50	25.26	24.86	0.306	33.01	-8.15
	64-QAM	2680.0	-0.40	1 / 99	23.98	23.58	0.228	33.01	-9.43
	256-QAM	2680.0	-0.40	1 / 50	21.24	20.84	0.121	33.01	-12.17

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 [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	2307.5	-0.30	1 / 23	23.14	**22.84**	0.192	23.98	-1.14
		2310.0	-0.30	1 / 23	23.30	**23.00**	0.200	23.98	-0.98
		2312.5	-0.30	1 / 12	23.19	22.89	0.195	23.98	-1.08
	QPSK	2307.5	-0.30	1 / 23	23.20	22.90	0.195	23.98	-1.08
		2310.0	-0.30	1 / 1	22.99	22.69	0.186	23.98	-1.28
		2312.5	-0.30	1 / 1	22.91	22.61	0.182	23.98	-1.37
	16-QAM	2310.0	-0.30	1 / 23	22.70	22.40	0.174	23.98	-1.58
	64-QAM	2307.5	-0.30	1 / 12	21.04	20.74	0.119	23.98	-3.23
	256-QAM	2307.5	-0.30	1 / 12	18.80	18.50	0.071	23.98	-5.47
10 MHz	π/2 BPSK	2310.0	-0.30	1 / 50	23.30	**23.00**	0.200	23.98	-0.98
	QPSK	2310.0	-0.30	1 / 25	23.30	23.00	0.199	23.98	-0.98
	16-QAM	2310.0	-0.30	1 / 25	22.69	22.39	0.174	23.98	-1.58
	64-QAM	2310.0	-0.30	1 / 25	20.70	20.40	0.110	23.98	-3.58
	256-QAM	2310.0	-0.30	1 / 1	18.75	18.45	0.070	23.98	-5.53

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 [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	2502.5	0.20	1 / 23	25.41	**25.61**	0.364	33.01	-7.40
		2535.0	0.20	1 / 23	25.25	25.45	0.351	33.01	-7.56
		2567.5	0.20	1 / 23	25.09	25.29	0.338	33.01	-7.72
	QPSK	2502.5	0.20	1 / 23	25.21	25.41	0.348	33.01	-7.60
		2535.0	0.20	1 / 12	25.70	**25.90**	0.389	33.01	-7.11
		2567.5	0.20	1 / 12	25.09	25.29	0.338	33.01	-7.72
	16-QAM	2502.5	0.20	1 / 23	25.17	25.37	0.344	33.01	-7.64
	64-QAM	2535.0	0.20	1 / 12	23.24	23.44	0.221	33.01	-9.57
	256-QAM	2535.0	0.20	1 / 12	20.97	21.17	0.131	33.01	-11.84
10 MHz	π/2 BPSK	2505.0	0.20	1 / 1	25.70	**25.90**	0.389	33.01	-7.11
		2535.0	0.20	1 / 25	25.37	25.57	0.361	33.01	-7.44
		2565.0	0.20	1 / 50	25.54	25.74	0.375	33.01	-7.27
	QPSK	2505.0	0.20	1 / 1	25.57	25.77	0.378	33.01	-7.24
		2535.0	0.20	1 / 1	25.57	25.77	0.378	33.01	-7.24
		2565.0	0.20	1 / 50	25.51	25.71	0.372	33.01	-7.31
	16-QAM	2505.0	0.20	1 / 1	24.95	25.15	0.327	33.01	-7.86
	64-QAM	2505.0	0.20	1 / 50	23.46	23.66	0.232	33.01	-9.35
	256-QAM	2505.0	0.20	1 / 50	21.38	21.58	0.144	33.01	-11.43
15 MHz	π/2 BPSK	2507.5	0.20	1 / 73	25.70	**25.90**	0.389	33.01	-7.11
		2535.0	0.20	1 / 1	25.54	25.74	0.375	33.01	-7.27
		2562.5	0.20	1 / 37	25.53	25.73	0.374	33.01	-7.28
	QPSK	2507.5	0.20	1 / 73	25.49	25.69	0.370	33.01	-7.32
		2535.0	0.20	1 / 37	25.62	25.82	0.382	33.01	-7.19
		2562.5	0.20	1 / 73	25.51	25.71	0.372	33.01	-7.30
	16-QAM	2507.5	0.20	1 / 1	24.97	25.17	0.329	33.01	-7.84
	64-QAM	2562.5	0.20	1 / 1	23.20	23.40	0.219	33.01	-9.61
	256-QAM	2562.5	0.20	1 / 37	21.20	21.40	0.138	33.01	-11.61
20 MHz	π/2 BPSK	2510.0	0.20	1 / 1	25.51	25.71	0.372	33.01	-7.30
		2535.0	0.20	1 / 98	25.27	25.47	0.353	33.01	-7.54
		2560.0	0.20	1 / 50	25.44	25.64	0.367	33.01	-7.37
	QPSK	2510.0	0.20	1 / 50	25.48	25.68	0.370	33.01	-7.33
		2535.0	0.20	1 / 1	25.70	**25.90**	0.389	33.01	-7.11
		2560.0	0.20	1 / 1	25.28	25.48	0.353	33.01	-7.53
	16-QAM	2535.0	0.20	1 / 98	24.85	25.05	0.320	33.01	-7.96
	64-QAM	2510.0	0.20	1 / 50	23.19	23.39	0.218	33.01	-9.62
	256-QAM	2510.0	0.20	1 / 1	20.87	21.07	0.128	33.01	-11.94
25 MHz	π/2 BPSK	2512.5	0.20	1 / 1	25.62	25.82	0.382	33.01	-7.19
		2535.0	0.20	1 / 1	25.67	25.87	0.386	33.01	-7.14
		2557.5	0.20	1 / 1	25.70	**25.90**	0.389	33.01	-7.11
	QPSK	2512.5	0.20	1 / 1	25.44	25.64	0.367	33.01	-7.37
		2535.0	0.20	1 / 131	25.28	25.48	0.353	33.01	-7.53
		2557.5	0.20	1 / 1	25.56	25.76	0.377	33.01	-7.25
	16-QAM	2512.5	0.20	1 / 131	24.99	25.19	0.330	33.01	-7.82
	64-QAM	2557.5	0.20	1 / 131	23.24	23.44	0.221	33.01	-9.57
	256-QAM	2512.5	0.20	1 / 66	20.87	21.07	0.128	33.01	-11.94
30 MHz	π/2 BPSK	2515.0	0.20	1 / 158	25.70	**25.90**	0.389	33.01	-7.11
		2535.0	0.20	1 / 80	25.39	25.59	0.362	33.01	-7.42
		2555.0	0.20	1 / 80	25.26	25.46	0.351	33.01	-7.55
	QPSK	2515.0	0.20	1 / 80	25.31	25.51	0.356	33.01	-7.50
		2535.0	0.20	1 / 80	25.68	25.88	0.388	33.01	-7.13
		2555.0	0.20	1 / 80	25.25	25.45	0.351	33.01	-7.56
	16-QAM	2535.0	0.20	1 / 80	24.91	25.11	0.324	33.01	-7.90
	64-QAM	2535.0	0.20	1 / 80	23.42	23.62	0.230	33.01	-9.39
	256-QAM	2535.0	0.20	1 / 80	21.21	21.41	0.138	33.01	-11.60
40 MHz	π/2 BPSK	2520.0	0.20	1 / 1	25.70	**25.90**	0.389	33.01	-7.11
		2535.0	0.20	1 / 1	25.67	25.87	0.386	33.01	-7.14
		2550.0	0.20	1 / 108	25.32	25.52	0.356	33.01	-7.50
	QPSK	2520.0	0.20	1 / 1	25.44	25.64	0.367	33.01	-7.37
		2535.0	0.20	1 / 1	25.70	25.90	0.389	33.01	-7.11
		2550.0	0.20	1 / 1	25.44	25.64	0.366	33.01	-7.37
	16-QAM	2520.0	0.20	1 / 108	24.97	25.17	0.329	33.01	-7.84
	64-QAM	2535.0	0.20	1 / 108	22.96	23.16	0.207	33.01	-9.85
	256-QAM	2535.0	0.20	1 / 108	20.99	21.19	0.132	33.01	-11.82

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 [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz	π/2 BPSK	2506.0	-0.40	1 / 25	26.85	26.45	0.442	33.01	-6.56
		2593.0	-0.40	1 / 1	27.45	**27.05**	0.507	33.01	-5.96
		2680.0	-0.40	1 / 49	27.31	26.91	0.491	33.01	-6.10
	QPSK	2506.0	-0.40	1 / 25	26.40	26.00	0.398	33.01	-7.01
		2593.0	-0.40	1 / 25	26.93	26.53	0.450	33.01	-6.48
		2680.0	-0.40	1 / 25	27.40	27.00	0.501	33.01	-6.02
	16-QAM	2510.0	-0.40	1 / 25	26.81	**26.41**	0.437	33.01	-6.60
	64-QAM	2593.0	-0.40	1 / 25	25.23	24.83	0.304	33.01	-8.18
	256-QAM	2680.0	-0.40	1 / 25	23.05	22.65	0.184	33.01	-10.36
30 MHz	π/2 BPSK	2511.0	-0.40	1 / 39	26.82	26.42	0.439	33.01	-6.59
		2593.0	-0.40	1 / 76	27.42	27.02	0.503	33.01	-5.99
		2675.0	-0.40	1 / 39	27.11	26.71	0.468	33.01	-6.30
	QPSK	2511.0	-0.40	1 / 39	26.35	25.95	0.394	33.01	-7.06
		2593.0	-0.40	1 / 76	26.99	26.59	0.456	33.01	-6.42
		2675.0	-0.40	1 / 39	27.48	**27.08**	0.510	33.01	-5.93
	16-QAM	2593.0	-0.40	1 / 39	26.79	26.39	0.435	33.01	-6.62
	64-QAM	2515.0	-0.40	1 / 39	25.29	**24.89**	0.308	33.01	-8.12
	256-QAM	2593.0	-0.40	1 / 39	22.95	22.55	0.180	33.01	-10.46
40 MHz	π/2 BPSK	2516.0	-0.40	1 / 53	27.04	26.64	0.461	33.01	-6.37
		2593.0	-0.40	1 / 53	27.46	27.06	0.508	33.01	-5.95
		2670.0	-0.40	1 / 53	27.63	**27.23**	0.529	33.01	-5.78
	QPSK	2516.0	-0.40	1 / 53	26.53	26.13	0.410	33.01	-6.88
		2593.0	-0.40	1 / 53	27.54	27.14	0.518	33.01	-5.87
		2670.0	-0.40	1 / 53	27.17	26.77	0.475	33.01	-6.25
	16-QAM	2593.0	-0.40	1 / 53	26.80	26.40	0.437	33.01	-6.61
	64-QAM	2670.0	-0.40	1 / 53	25.49	25.09	0.323	33.01	-7.92
	256-QAM	2670.0	-0.40	1 / 53	23.42	23.02	0.200	33.01	-9.99
50 MHz	π/2 BPSK	2521.0	-0.40	1 / 66	26.94	26.54	0.451	33.01	-6.47
		2593.0	-0.40	1 / 66	27.70	**27.30**	0.537	33.01	-5.71
		2665.0	-0.40	1 / 66	26.98	26.58	0.455	33.01	-6.43
	QPSK	2521.0	-0.40	1 / 66	25.61	25.21	0.332	33.01	-7.80
		2593.0	-0.40	1 / 66	26.26	25.86	0.386	33.01	-7.15
		2665.0	-0.40	1 / 66	26.01	25.61	0.364	33.01	-7.40
	16-QAM	2665.0	-0.40	1 / 66	25.73	25.33	0.341	33.01	-7.68
	64-QAM	2521.0	-0.40	1 / 66	24.51	24.11	0.257	33.01	-8.90
	256-QAM	2593.0	-0.40	1 / 66	22.80	22.40	0.174	33.01	-10.61
60 MHz	π/2 BPSK	2526.0	-0.40	1 / 81	27.04	26.64	0.461	33.01	-6.37
		2593.0	-0.40	1 / 81	27.70	**27.30**	0.537	33.01	-5.71
		2660.0	-0.40	1 / 1	27.55	27.15	0.519	33.01	-5.86
	QPSK	2526.0	-0.40	1 / 81	25.81	25.41	0.347	33.01	-7.60
		2593.0	-0.40	1 / 81	27.33	26.93	0.494	33.01	-6.08
		2660.0	-0.40	1 / 1	26.79	26.39	0.436	33.01	-6.62
	16-QAM	2593.0	-0.40	1 / 81	26.36	25.96	0.394	33.01	-7.05
	64-QAM	2526.0	-0.40	1 / 81	24.69	24.29	0.269	33.01	-8.72
	256-QAM	2526.0	-0.40	1 / 81	23.05	22.65	0.184	33.01	-10.36
70 MHz	π/2 BPSK	2531.0	-0.40	1 / 90	27.00	26.60	0.457	33.01	-6.41
		2593.0	-0.40	1 / 90	27.46	27.06	0.508	33.01	-5.95
		2655.0	-0.40	1 / 1	27.75	**27.35**	0.543	33.01	-5.66
	QPSK	2531.0	-0.40	1 / 90	25.78	25.38	0.346	33.01	-7.63
		2593.0	-0.40	1 / 90	26.85	26.45	0.442	33.01	-6.56
		2655.0	-0.40	1 / 1	26.98	26.58	0.455	33.01	-6.43
	16-QAM	2655.0	-0.40	1 / 1	25.93	25.53	0.357	33.01	-7.48
	64-QAM	2593.0	-0.40	1 / 90	24.63	24.23	0.265	33.01	-8.78
	256-QAM	2593.0	-0.40	1 / 90	22.92	22.52	0.179	33.01	-10.49
80 MHz	π/2 BPSK	2536.0	-0.40	1 / 108	26.81	26.41	0.438	33.01	-6.60
		2593.0	-0.40	1 / 108	27.23	26.83	0.482	33.01	-6.18
		2650.0	-0.40	1 / 108	27.51	**27.11**	0.513	33.01	-5.90
	QPSK	2536.0	-0.40	1 / 108	25.56	25.16	0.328	33.01	-7.85
		2593.0	-0.40	1 / 108	26.28	25.88	0.387	33.01	-7.13
		2650.0	-0.40	1 / 108	27.01	26.61	0.458	33.01	-6.40
	16-QAM	2593.0	-0.40	1 / 108	26.08	25.68	0.370	33.01	-7.33
	64-QAM	2593.0	-0.40	1 / 108	24.71	24.31	0.270	33.01	-8.70
	256-QAM	2536.0	-0.40	1 / 108	22.81	22.41	0.174	33.01	-10.60
90 MHz	π/2 BPSK	2541.0	-0.40	1 / 122	26.81	26.41	0.437	33.01	-6.60
		2593.0	-0.40	1 / 122	27.70	**27.30**	0.537	33.01	-5.71
		2645.0	-0.40	1 / 243	27.34	26.94	0.494	33.01	-6.07
	QPSK	2541.0	-0.40	1 / 122	25.43	25.03	0.319	33.01	-7.98
		2593.0	-0.40	1 / 122	26.45	26.05	0.403	33.01	-6.96
		2645.0	-0.40	1 / 243	26.76	26.36	0.432	33.01	-6.65
	16-QAM	2645.0	-0.40	1 / 1	26.36	25.96	0.394	33.01	-7.05
	64-QAM	2541.0	-0.40	1 / 122	24.47	24.07	0.255	33.01	-8.94
	256-QAM	2645.0	-0.40	1 / 122	22.84	22.44	0.175	33.01	-10.57
100 MHz	π/2 BPSK	2546.0	-0.40	1 / 136	26.71	26.31	0.428	33.01	-6.70
		2593.0	-0.40	1 / 136	27.70	**27.30**	0.537	33.01	-5.71
		2640.0	-0.40	1 / 1	27.18	26.78	0.476	33.01	-6.23
	QPSK	2546.0	-0.40	1 / 271	25.47	25.07	0.321	33.01	-7.94
		2593.0	-0.40	1 / 136	26.27	25.87	0.386	33.01	-7.14
		2640.0	-0.40	1 / 136	26.77	26.37	0.434	33.01	-6.64
	16-QAM	2640.0	-0.40	1 / 1	26.26	25.86	0.385	33.01	-7.15
	64-QAM	2640.0	-0.40	1 / 1	24.50	24.10	0.257	33.01	-8.91
	256-QAM	2640.0	-0.40	1 / 1	22.65	22.25	0.168	33.01	-10.76

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 [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz	π/2 BPSK	2510.0	-0.40	1 / 25	25.56	25.16	0.328	33.01	-7.85
		2593.0	-0.40	1 / 25	25.59	25.19	0.331	33.01	-7.82
		2680.0	-0.40	1 / 25	25.70	**25.30**	0.339	33.01	-7.71
	QPSK	2510.0	-0.40	1 / 25	25.60	**25.20**	0.331	33.01	-7.81
		2593.0	-0.40	1 / 1	25.55	25.15	0.327	33.01	-7.86
		2680.0	-0.40	1 / 25	25.66	25.26	0.335	33.01	-7.75
	16-QAM	2593.0	-0.40	1 / 25	25.00	24.60	0.288	33.01	-8.41
	64-QAM	2593.0	-0.40	1 / 49	23.21	22.81	0.191	33.01	-10.20
	256-QAM	2593.0	-0.40	1 / 25	20.99	20.59	0.115	33.01	-12.42
30 MHz	π/2 BPSK	2515.0	-0.40	1 / 39	25.22	**24.82**	0.304	33.01	-8.19
		2593.0	-0.40	1 / 39	25.62	25.22	0.332	33.01	-7.80
		2675.0	-0.40	1 / 76	25.70	**25.30**	0.339	33.01	-7.71
	QPSK	2515.0	-0.40	1 / 39	25.04	**24.64**	0.291	33.01	-8.37
		2593.0	-0.40	1 / 39	25.34	24.94	0.312	33.01	-8.07
		2675.0	-0.40	1 / 39	25.51	25.11	0.324	33.01	-7.90
	16-QAM	2675.0	-0.40	1 / 39	24.80	24.40	0.276	33.01	-8.61
	64-QAM	2675.0	-0.40	1 / 76	23.00	22.60	0.182	33.01	-10.41
	256-QAM	2675.0	-0.40	1 / 39	20.81	20.41	0.110	33.01	-12.60
40 MHz	π/2 BPSK	2520.0	-0.40	1 / 53	25.51	25.11	0.324	33.01	-7.90
		2593.0	-0.40	1 / 1	25.46	25.06	0.321	33.01	-7.95
		2670.0	-0.40	1 / 1	25.70	**25.30**	0.339	33.01	-7.71
	QPSK	2520.0	-0.40	1 / 53	25.46	**25.06**	0.321	33.01	-7.95
		2593.0	-0.40	1 / 1	25.55	25.15	0.327	33.01	-7.86
		2670.0	-0.40	1 / 53	25.64	25.24	0.334	33.01	-7.77
	16-QAM	2670.0	-0.40	1 / 1	25.03	24.63	0.291	33.01	-8.38
	64-QAM	2670.0	-0.40	1 / 53	23.35	22.95	0.197	33.01	-10.06
	256-QAM	2670.0	-0.40	1 / 53	21.09	20.69	0.117	33.01	-12.32
50 MHz	π/2 BPSK	2525.0	-0.40	1 / 66	25.20	**24.80**	0.302	33.01	-8.21
		2593.0	-0.40	1 / 1	25.29	24.89	0.308	33.01	-8.12
		2665.0	-0.40	1 / 1	25.65	25.25	0.335	33.01	-7.76
	QPSK	2525.0	-0.40	1 / 66	25.20	24.80	0.302	33.01	-8.21
		2593.0	-0.40	1 / 1	25.70	**25.30**	0.339	33.01	-7.71
		2665.0	-0.40	1 / 1	25.33	24.93	0.311	33.01	-8.08
	16-QAM	2525.0	-0.40	1 / 131	24.84	**24.44**	0.278	33.01	-8.58
	64-QAM	2665.0	-0.40	1 / 131	23.17	22.77	0.189	33.01	-10.24
	256-QAM	2665.0	-0.40	1 / 1	21.01	20.61	0.115	33.01	-12.40
60 MHz	π/2 BPSK	2530.0	-0.40	1 / 160	25.20	**24.80**	0.302	33.01	-8.21
		2593.0	-0.40	1 / 81	25.31	24.91	0.310	33.01	-8.10
		2660.0	-0.40	1 / 1	25.70	**25.30**	0.339	33.01	-7.71
	QPSK	2530.0	-0.40	1 / 81	25.40	**25.00**	0.316	33.01	-8.01
		2593.0	-0.40	1 / 1	25.16	24.76	0.299	33.01	-8.25
		2660.0	-0.40	1 / 160	25.29	24.89	0.308	33.01	-8.12
	16-QAM	2660.0	-0.40	1 / 1	24.83	24.43	0.277	33.01	-8.58
	64-QAM	2530.0	-0.40	1 / 81	22.96	**22.56**	0.180	33.01	-10.45
	256-QAM	2660.0	-0.40	1 / 1	20.57	20.17	0.104	33.01	-12.84
70 MHz	π/2 BPSK	2535.0	-0.40	1 / 187	25.31	24.91	0.310	33.01	-8.10
		2593.0	-0.40	1 / 1	25.68	25.28	0.337	33.01	-7.73
		2655.0	-0.40	1 / 1	25.70	**25.30**	0.339	33.01	-7.71
	QPSK	2535.0	-0.40	1 / 187	24.90	**24.50**	0.282	33.01	-8.51
		2593.0	-0.40	1 / 1	25.64	25.24	0.334	33.01	-7.77
		2655.0	-0.40	1 / 1	25.63	25.23	0.333	33.01	-7.78
	16-QAM	2655.0	-0.40	1 / 1	24.52	24.12	0.258	33.01	-8.89
	64-QAM	2655.0	-0.40	1 / 1	23.17	22.77	0.189	33.01	-10.24
	256-QAM	2655.0	-0.40	1 / 1	20.93	20.53	0.113	33.01	-12.48
80 MHz	π/2 BPSK	2540.0	-0.40	1 / 215	25.03	**24.63**	0.290	33.01	-8.38
		2593.0	-0.40	1 / 1	25.43	25.03	0.319	33.01	-7.98
		2650.0	-0.40	1 / 1	25.20	24.80	0.302	33.01	-8.22
	QPSK	2540.0	-0.40	1 / 215	24.91	**24.51**	0.283	33.01	-8.50
		2593.0	-0.40	1 / 1	25.23	24.83	0.304	33.01	-8.18
		2650.0	-0.40	1 / 1	25.70	**25.30**	0.339	33.01	-7.71
	16-QAM	2650.0	-0.40	1 / 215	24.70	24.30	0.269	33.01	-8.71
	64-QAM	2593.0	-0.40	1 / 215	22.98	22.58	0.181	33.01	-10.43
	256-QAM	2650.0	-0.40	1 / 108	20.72	20.32	0.108	33.01	-12.69
90 MHz	π/2 BPSK	2545.0	-0.40	1 / 243	25.32	**24.92**	0.310	33.01	-8.09
		2593.0	-0.40	1 / 1	25.39	24.99	0.315	33.01	-8.02
		2645.0	-0.40	1 / 122	25.70	**25.30**	0.339	33.01	-7.71
	QPSK	2545.0	-0.40	1 / 243	25.39	**24.99**	0.315	33.01	-8.02
		2593.0	-0.40	1 / 1	25.60	25.20	0.331	33.01	-7.81
		2645.0	-0.40	1 / 122	25.44	25.04	0.319	33.01	-7.97
	16-QAM	2645.0	-0.40	1 / 122	25.01	24.61	0.289	33.01	-8.40
	64-QAM	2645.0	-0.40	1 / 1	23.28	22.88	0.194	33.01	-10.13
	256-QAM	2645.0	-0.40	1 / 1	21.28	20.88	0.122	33.01	-12.13
100 MHz	π/2 BPSK	2550.0	-0.40	1 / 271	25.36	24.96	0.313	33.01	-8.05
		2593.0	-0.40	1 / 1	25.45	25.05	0.320	33.01	-7.96
		2640.0	-0.40	1 / 136	25.70	**25.30**	0.339	33.01	-7.71
	QPSK	2550.0	-0.40	1 / 271	25.33	**24.93**	0.311	33.01	-8.08
		2593.0	-0.40	1 / 1	25.52	25.12	0.325	33.01	-7.89
		2640.0	-0.40	1 / 1	25.42	25.02	0.318	33.01	-7.99
	16-QAM	2640.0	-0.40	1 / 1	25.23	24.83	0.304	33.01	-8.18
	64-QAM	2640.0	-0.40	1 / 1	23.42	23.02	0.200	33.01	-9.99
	256-QAM	2640.0	-0.40	1 / 1	21.48	21.08	0.128	33.01	-11.93

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

ULCA - Band 7

Power State	Band	Bandwidth (PCC + SCC)	PCC					SCC					ULCA Tx. Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	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	25.66	0.20	25.86	0.385	33.01	-7.15
				21100	2535.0	1	99		21298	2554.8	1	0	25.51	0.20	25.71	0.372	33.01	-7.30
				21350	2560.0	1	0		21152	2540.2	1	99	25.67	0.20	**25.87**	0.386	33.01	-7.14
			QPSK	21350	2560	100	0	QPSK	21152	2540.2	100	0	23.88	0.20	24.08	0.256	33.01	-8.93
			16-QAM	21350	2560	100	0	16-QAM	21152	2540.2	100	0	22.85	0.20	**23.05**	0.202	33.01	-9.96
			64-QAM	21350	2560	100	0	64-QAM	21152	2540.2	100	0	22.73	0.20	**22.93**	0.196	33.01	-10.08
			256-QAM	21350	2560	100	0	256-QAM	21152	2540.2	100	0	20.73	0.20	**20.93**	0.124	33.01	-12.08

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

ULCA - Band 41 (PC2)

Power State	Band	Bandwidth (PCC + SCC)	PCC					SCC					ULCA Tx. Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	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	27.48	-0.40	27.08	0.511	33.01	-5.93
				40620	2593.0	1	99		40818	2612.8	1	0	27.59	-0.40	**27.19**	0.524	33.01	-5.82
				41490	2680.0	1	0		41292	2660.2	1	99	27.45	-0.40	27.05	0.507	33.01	-5.96
			QPSK	40620	2593	100	0	QPSK	40818	2612.8	100	0	25.82	-0.40	25.42	0.348	33.01	-7.59
			16-QAM	40620	2593	100	0	16-QAM	40818	2612.8	100	0	24.73	-0.40	**24.33**	0.271	33.01	-8.68
			64-QAM	40620	2593	100	0	64-QAM	40818	2612.8	100	0	24.78	-0.40	**24.38**	0.274	33.01	-8.63
			256-QAM	40620	2593	100	0	256-QAM	40818	2612.8	100	0	22.73	-0.40	**22.33**	0.171	33.01	-10.68

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

ULCA - Band 41 (PC3)

Power State	Band	Bandwidth (PCC + SCC)	PCC					SCC					ULCA Tx. Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	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	25.55	-0.40	25.15	0.327	33.01	-7.86
				40620	2593.0	1	99		40818	2612.8	1	0	25.56	-0.40	**25.16**	0.328	33.01	-7.85
				41490	2680.0	1	0		41292	2660.2	1	99	25.42	-0.40	25.02	0.318	33.01	-7.99
			QPSK	40620	2593	100	0	QPSK	40818	2612.8	100	0	23.83	-0.40	23.43	0.220	33.01	-9.58
			16-QAM	40620	2593	100	0	16-QAM	40818	2612.8	100	0	22.76	-0.40	**22.36**	0.172	33.01	-10.65
			64-QAM	40620	2593	100	0	64-QAM	40818	2612.8	100	0	22.86	-0.40	**22.46**	0.176	33.01	-10.55
			256-QAM	40620	2593	100	0	256-QAM	40818	2612.8	100	0	20.79	-0.40	**20.39**	0.109	33.01	-12.62

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 [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2307.5	-2.10	1 / 12	22.07	19.97	0.099	23.98	-4.01
		2310.0	-2.10	1 / 12	22.20	**20.10**	0.102	23.98	-3.88
		2312.5	-2.10	1 / 12	22.12	20.02	0.100	23.98	-3.96
	16-QAM	2307.5	-2.10	1 / 0	21.26	19.16	0.082	23.98	-4.82
		2312.5	-2.10	1 / 12	21.26	19.16	0.082	23.98	-4.82
	64-QAM	2312.5	-2.10	1 / 12	20.38	18.28	0.067	23.98	-5.70
	256-QAM	2307.5	-2.10	1 / 0	17.35	15.25	0.033	23.98	-8.73
10 MHz	QPSK	2310.0	-2.10	1 / 0	22.20	**20.10**	0.102	23.98	-3.88
	16-QAM	2310.0	-2.10	1 / 49	21.21	19.11	0.081	23.98	-4.87
	64-QAM	2310.0	-2.10	1 / 0	20.34	18.24	0.067	23.98	-5.74
	256-QAM	2310.0	-2.10	1 / 25	17.40	15.30	0.034	23.98	-8.68

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 [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2502.5	-0.30	1 / 12	22.20	**21.90**	0.155	33.01	-11.11
		2535.0	-0.30	1 / 12	22.03	**21.73**	0.149	33.01	-11.28
		2567.5	-0.30	1 / 12	21.82	21.52	0.142	33.01	-11.49
	16-QAM	2502.5	-0.30	1 / 24	21.14	20.84	0.121	33.01	-12.17
	64-QAM	2567.5	-0.30	1 / 12	20.38	20.08	0.102	33.01	-12.93
	256-QAM	2502.5	-0.30	1 / 24	17.16	16.86	0.049	33.01	-16.15
10 MHz	QPSK	2505.0	-0.30	1 / 49	22.16	21.86	0.153	33.01	-11.15
		2535.0	-0.30	1 / 49	22.20	**21.90**	0.155	33.01	-11.11
		2565.0	-0.30	1 / 49	22.14	21.84	0.153	33.01	-11.17
	16-QAM	2535.0	-0.30	1 / 49	21.26	20.96	0.125	33.01	-12.05
	64-QAM	2565.0	-0.30	1 / 25	20.28	19.98	0.100	33.01	-13.03
	256-QAM	2535.0	-0.30	1 / 25	17.45	17.15	0.052	33.01	-15.86
15 MHz	QPSK	2507.5	-0.30	1 / 37	22.20	**21.90**	0.155	33.01	-11.11
		2535.0	-0.30	1 / 37	22.11	21.81	0.152	33.01	-11.20
		2562.5	-0.30	1 / 37	21.98	21.68	0.147	33.01	-11.33
	16-QAM	2507.5	-0.30	1 / 37	21.38	21.08	0.128	33.01	-11.93
	64-QAM	2507.5	-0.30	1 / 37	20.56	20.26	0.106	33.01	-12.75
	256-QAM	2535.0	-0.30	1 / 37	17.46	17.16	0.052	33.01	-15.85
20 MHz	QPSK	2510.0	-0.30	1 / 50	21.94	21.64	0.146	33.01	-11.37
		2535.0	-0.30	1 / 50	22.20	**21.90**	0.155	33.01	-11.11
		2560.0	-0.30	1 / 50	22.06	21.76	0.150	33.01	-11.25
	16-QAM	2535.0	-0.30	1 / 50	21.58	21.28	0.134	33.01	-11.73
	64-QAM	2535.0	-0.30	1 / 50	20.50	20.20	0.105	33.01	-12.81
	256-QAM	2510.0	-0.30	1 / 50	17.39	17.09	0.051	33.01	-15.92

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 [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2498.5	-0.40	1 / 12	28.70	**28.30**	0.676	33.01	-4.71
		2593.0	-0.40	1 / 12	28.50	28.10	0.646	33.01	-4.91
		2687.5	-0.40	1 / 24	28.41	28.01	0.632	33.01	-5.00
	16-QAM	2593.0	-0.40	1 / 12	28.60	**28.20**	0.661	33.01	-4.81
	64-QAM	2593.0	-0.40	1 / 12	27.82	27.42	0.552	33.01	-5.59
	256-QAM	2593.0	-0.40	1 / 12	24.59	24.19	0.262	33.01	-8.82
10 MHz	QPSK	2501.0	-0.40	1 / 25	28.70	**28.30**	0.676	33.01	-4.71
		2593.0	-0.40	1 / 25	28.48	28.08	0.643	33.01	-4.93
		2685.0	-0.40	1 / 25	28.30	27.90	0.617	33.01	-5.11
	16-QAM	2593.0	-0.40	1 / 25	28.44	28.04	0.637	33.01	-4.97
	64-QAM	2593.0	-0.40	1 / 25	27.81	27.41	0.551	33.01	-5.60
	256-QAM	2593.0	-0.40	1 / 25	24.60	24.20	0.263	33.01	-8.81
15 MHz	QPSK	2503.5	-0.40	1 / 37	28.70	**28.30**	0.676	33.01	-4.71
		2593.0	-0.40	1 / 37	28.48	28.08	0.643	33.01	-4.93
		2682.5	-0.40	1 / 37	28.12	27.72	0.592	33.01	-5.29
	16-QAM	2593.0	-0.40	1 / 0	28.42	28.02	0.634	33.01	-4.99
	64-QAM	2593.0	-0.40	1 / 37	27.97	27.57	0.571	33.01	-5.44
	256-QAM	2593.0	-0.40	1 / 37	24.75	24.35	0.272	33.01	-8.66
20 MHz	QPSK	2506.0	-0.40	1 / 50	28.70	28.30	0.676	33.01	-4.71
		2593.0	-0.40	1 / 50	28.50	28.10	0.646	33.01	-4.91
		2680.0	-0.40	1 / 99	28.43	28.03	0.635	33.01	-4.98
	16-QAM	2593.0	-0.40	1 / 50	28.82	**28.42**	0.695	33.01	-4.59
	64-QAM	2593.0	-0.40	1 / 50	27.62	27.22	0.527	33.01	-5.79
	256-QAM	2593.0	-0.40	1 / 50	24.68	24.28	0.268	33.01	-8.73

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 [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2498.5	-0.40	1 / 12	25.70	**25.30**	0.339	33.01	-7.71
		2593.0	-0.40	1 / 24	25.52	**25.12**	0.325	33.01	-7.89
		2687.5	-0.40	1 / 24	25.35	24.95	0.313	33.01	-8.06
	16-QAM	2498.5	-0.40	1 / 12	24.72	24.32	0.270	33.01	-8.69
	64-QAM	2498.5	-0.40	1 / 12	23.64	23.24	0.211	33.01	-9.77
	256-QAM	2593.0	-0.40	1 / 12	20.79	20.39	0.109	33.01	-12.62
10 MHz	QPSK	2501.0	-0.40	1 / 25	25.70	**25.30**	0.339	33.01	-7.71
		2593.0	-0.40	1 / 0	25.53	25.13	0.326	33.01	-7.88
		2685.0	-0.40	1 / 25	25.27	24.87	0.307	33.01	-8.14
	16-QAM	2501.0	-0.40	1 / 25	24.60	24.20	0.263	33.01	-8.81
	64-QAM	2593.0	-0.40	1 / 0	23.65	23.25	0.211	33.01	-9.76
	256-QAM	2501.0	-0.40	1 / 25	20.73	20.33	0.108	33.01	-12.68
15 MHz	QPSK	2503.5	-0.40	1 / 37	25.70	**25.30**	0.339	33.01	-7.71
		2593.0	-0.40	1 / 37	25.50	25.10	0.324	33.01	-7.91
		2682.5	-0.40	1 / 37	25.23	24.83	0.304	33.01	-8.18
	16-QAM	2503.5	-0.40	1 / 37	24.54	24.14	0.259	33.01	-8.87
	64-QAM	2503.5	-0.40	1 / 37	23.88	23.48	0.223	33.01	-9.53
	256-QAM	2503.5	-0.40	1 / 37	20.75	20.35	0.108	33.01	-12.66
20 MHz	QPSK	2506.0	-0.40	1 / 50	25.70	**25.30**	0.339	33.01	-7.71
		2593.0	-0.40	1 / 99	25.54	25.14	0.327	33.01	-7.87
		2680.0	-0.40	1 / 0	25.40	25.00	0.316	33.01	-8.01
	16-QAM	2506.0	-0.40	1 / 99	24.79	24.39	0.275	33.01	-8.62
	64-QAM	2506.0	-0.40	1 / 50	23.74	23.34	0.216	33.01	-9.67
	256-QAM	2506.0	-0.40	1 / 50	20.67	20.27	0.106	33.01	-12.74

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 [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	2307.5	-2.10	1 / 1	21.95	**19.85**	0.097	23.98	-4.13
		2310.0	-2.10	1 / 1	21.98	19.88	0.097	23.98	-4.10
		2312.5	-2.10	1 / 23	22.18	20.08	0.102	23.98	-3.90
	QPSK	2307.5	-2.10	1 / 12	22.11	20.01	0.100	23.98	-3.97
		2310.0	-2.10	1 / 1	22.20	**20.10**	0.102	23.98	-3.88
		2312.5	-2.10	1 / 12	22.16	20.06	0.101	23.98	-3.92
	16-QAM	2312.5	-2.10	1 / 12	21.70	19.60	0.091	23.98	-4.38
	64-QAM	2307.5	-2.10	1 / 12	19.91	17.81	0.060	23.98	-6.17
	256-QAM	2307.5	-2.10	1 / 1	17.76	15.66	0.037	23.98	-8.32
10 MHz	π/2 BPSK	2310.0	-2.10	1 / 50	22.20	**20.10**	0.102	23.98	-3.88
	QPSK	2310.0	-2.10	1 / 25	21.89	19.79	0.095	23.98	-4.19
	16-QAM	2310.0	-2.10	1 / 25	21.27	19.17	0.083	23.98	-4.81
	64-QAM	2310.0	-2.10	1 / 50	19.38	17.28	0.053	23.98	-6.70
	256-QAM	2310.0	-2.10	1 / 25	17.69	15.59	0.036	23.98	-8.39

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 [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	2502.5	-0.30	1 / 23	22.20	**21.90**	0.155	33.01	-11.11
		2535.0	-0.30	1 / 1	21.70	21.40	0.138	33.01	-11.61
		2567.5	-0.30	1 / 1	21.51	21.21	0.132	33.01	-11.80
	QPSK	2502.5	-0.30	1 / 23	21.68	21.38	0.138	33.01	-11.63
		2535.0	-0.30	1 / 12	21.74	21.44	0.139	33.01	-11.57
		2567.5	-0.30	1 / 23	21.83	**21.53**	0.142	33.01	-11.48
	16-QAM	2502.5	-0.30	1 / 1	20.88	20.58	0.114	33.01	-12.43
	64-QAM	2535.0	-0.30	1 / 1	19.56	19.26	0.084	33.01	-13.75
	256-QAM	2502.5	-0.30	1 / 1	17.35	17.05	0.051	33.01	-15.96
10 MHz	π/2 BPSK	2505.0	-0.30	1 / 50	21.83	21.53	0.142	33.01	-11.48
		2535.0	-0.30	1 / 50	22.06	21.76	0.150	33.01	-11.25
		2565.0	-0.30	1 / 25	21.86	21.56	0.143	33.01	-11.45
	QPSK	2505.0	-0.30	1 / 1	21.99	21.69	0.148	33.01	-11.32
		2535.0	-0.30	1 / 50	22.20	21.90	0.155	33.01	-11.11
		2565.0	-0.30	1 / 25	22.20	**21.90**	0.155	33.01	-11.11
	16-QAM	2535.0	-0.30	1 / 1	21.44	21.14	0.130	33.01	-11.87
	64-QAM	2535.0	-0.30	1 / 1	19.88	19.58	0.091	33.01	-13.44
	256-QAM	2535.0	-0.30	1 / 50	17.54	17.24	0.053	33.01	-15.77
15 MHz	π/2 BPSK	2507.5	-0.30	1 / 1	21.92	21.62	0.145	33.01	-11.39
		2535.0	-0.30	1 / 37	21.84	21.54	0.143	33.01	-11.47
		2562.5	-0.30	1 / 73	21.66	21.36	0.137	33.01	-11.65
	QPSK	2507.5	-0.30	1 / 1	21.86	21.56	0.143	33.01	-11.45
		2535.0	-0.30	1 / 73	22.20	**21.90**	0.155	33.01	-11.11
		2562.5	-0.30	1 / 37	21.94	21.64	0.146	33.01	-11.38
	16-QAM	2535.0	-0.30	1 / 37	21.48	21.18	0.131	33.01	-11.83
	64-QAM	2535.0	-0.30	1 / 1	19.92	19.62	0.092	33.01	-13.39
	256-QAM	2507.5	-0.30	1 / 37	17.64	17.34	0.054	33.01	-15.67
20 MHz	π/2 BPSK	2510.0	-0.30	1 / 98	22.20	**21.90**	0.155	33.01	-11.11
		2535.0	-0.30	1 / 1	21.92	21.62	0.145	33.01	-11.39
		2560.0	-0.30	1 / 50	21.95	21.65	0.146	33.01	-11.36
	QPSK	2510.0	-0.30	1 / 98	21.95	21.65	0.146	33.01	-11.36
		2535.0	-0.30	1 / 50	22.11	21.81	0.152	33.01	-11.20
		2560.0	-0.30	1 / 50	22.05	21.75	0.149	33.01	-11.27
	16-QAM	2510.0	-0.30	1 / 98	21.66	21.36	0.137	33.01	-11.65
	64-QAM	2560.0	-0.30	1 / 1	19.83	19.53	0.090	33.01	-13.48
	256-QAM	2535.0	-0.30	1 / 98	17.79	17.49	0.056	33.01	-15.52
25 MHz	π/2 BPSK	2512.5	-0.30	1 / 66	21.99	21.69	0.148	33.01	-11.32
		2535.0	-0.30	1 / 1	22.08	21.78	0.151	33.01	-11.23
		2557.5	-0.30	1 / 66	21.94	21.64	0.146	33.01	-11.37
	QPSK	2512.5	-0.30	1 / 66	21.80	21.50	0.141	33.01	-11.51
		2535.0	-0.30	1 / 66	22.20	**21.90**	0.155	33.01	-11.11
		2557.5	-0.30	1 / 66	21.76	21.46	0.140	33.01	-11.55
	16-QAM	2512.5	-0.30	1 / 131	21.28	20.98	0.125	33.01	-12.03
	64-QAM	2557.5	-0.30	1 / 1	19.66	19.36	0.086	33.01	-13.65
	256-QAM	2557.5	-0.30	1 / 66	17.40	17.10	0.051	33.01	-15.91
30 MHz	π/2 BPSK	2515.0	-0.30	1 / 80	22.18	21.88	0.154	33.01	-11.13
		2535.0	-0.30	1 / 1	21.87	21.57	0.144	33.01	-11.44
		2555.0	-0.30	1 / 80	22.20	**21.90**	0.155	33.01	-11.11
	QPSK	2515.0	-0.30	1 / 1	21.93	21.63	0.146	33.01	-11.38
		2535.0	-0.30	1 / 1	21.75	21.45	0.140	33.01	-11.56
		2555.0	-0.30	1 / 1	22.15	21.85	0.153	33.01	-11.16
	16-QAM	2555.0	-0.30	1 / 1	21.14	20.84	0.121	33.01	-12.17
	64-QAM	2515.0	-0.30	1 / 158	19.52	19.22	0.084	33.01	-13.79
	256-QAM	2515.0	-0.30	1 / 1	17.44	17.14	0.052	33.01	-15.87
40 MHz	π/2 BPSK	2520.0	-0.30	1 / 214	21.81	21.51	0.142	33.01	-11.50
		2535.0	-0.30	1 / 1	21.73	21.43	0.139	33.01	-11.58
		2550.0	-0.30	1 / 1	21.81	21.51	0.142	33.01	-11.50
	QPSK	2520.0	-0.30	1 / 108	21.82	**21.52**	0.142	33.01	-11.49
		2535.0	-0.30	1 / 108	21.65	21.35	0.136	33.01	-11.66
		2550.0	-0.30	1 / 214	21.77	21.47	0.140	33.01	-11.54
	16-QAM	2535.0	-0.30	1 / 1	21.28	20.98	0.125	33.01	-12.03
	64-QAM	2535.0	-0.30	1 / 214	19.58	19.28	0.085	33.01	-13.73
	256-QAM	2550.0	-0.30	1 / 1	17.56	17.26	0.053	33.01	-15.75

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 [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz	π/2 BPSK	2506.0	-0.40	1 / 25	28.16	**27.76**	0.597	33.01	-5.25
		2593.0	-0.40	1 / 49	28.27	27.87	0.613	33.01	-5.14
		2680.0	-0.40	1 / 25	28.33	27.93	0.620	33.01	-5.08
	QPSK	2506.0	-0.40	1 / 25	28.01	27.61	0.577	33.01	-5.40
		2593.0	-0.40	1 / 25	28.66	**28.26**	0.670	33.01	-4.75
		2680.0	-0.40	1 / 1	28.51	28.11	0.647	33.01	-4.90
	16-QAM	2593.0	-0.40	1 / 25	28.18	27.78	0.600	33.01	-5.23
	64-QAM	2593.0	-0.40	1 / 25	27.01	26.61	0.458	33.01	-6.40
	256-QAM	2593.0	-0.40	1 / 25	24.65	24.25	0.266	33.01	-8.76
30 MHz	π/2 BPSK	2511.0	-0.40	1 / 39	28.19	27.79	0.601	33.01	-5.23
		2593.0	-0.40	1 / 39	28.65	28.25	0.668	33.01	-4.76
		2675.0	-0.40	1 / 1	28.70	**28.30**	0.676	33.01	-4.71
	QPSK	2511.0	-0.40	1 / 39	27.83	27.43	0.554	33.01	-5.58
		2593.0	-0.40	1 / 39	28.54	28.14	0.652	33.01	-4.87
		2675.0	-0.40	1 / 1	28.49	28.09	0.643	33.01	-4.93
	16-QAM	2593.0	-0.40	1 / 39	27.68	27.28	0.535	33.01	-5.73
	64-QAM	2511.0	-0.40	1 / 39	26.69	26.29	0.426	33.01	-6.72
	256-QAM	2675.0	-0.40	1 / 39	24.41	24.01	0.252	33.01	-9.00
40 MHz	π/2 BPSK	2516.0	-0.40	1 / 53	28.33	27.93	0.621	33.01	-5.08
		2593.0	-0.40	1 / 1	28.54	28.14	0.652	33.01	-4.87
		2670.0	-0.40	1 / 1	28.55	28.15	0.654	33.01	-4.86
	QPSK	2516.0	-0.40	1 / 53	28.02	27.62	0.579	33.01	-5.39
		2593.0	-0.40	1 / 1	28.48	28.08	0.642	33.01	-4.93
		2670.0	-0.40	1 / 1	28.70	**28.30**	0.676	33.01	-4.71
	16-QAM	2593.0	-0.40	1 / 53	28.09	27.69	0.588	33.01	-5.32
	64-QAM	2520.0	-0.40	1 / 53	26.98	**26.58**	0.455	33.01	-6.43
	256-QAM	2670.0	-0.40	1 / 53	24.85	24.45	0.278	33.01	-8.57
50 MHz	π/2 BPSK	2521.0	-0.40	1 / 66	28.45	28.05	0.638	33.01	-4.96
		2593.0	-0.40	1 / 1	28.69	28.29	0.675	33.01	-4.72
		2665.0	-0.40	1 / 1	28.59	28.19	0.659	33.01	-4.82
	QPSK	2521.0	-0.40	1 / 66	28.18	27.78	0.600	33.01	-5.23
		2593.0	-0.40	1 / 66	28.58	28.18	0.658	33.01	-4.83
		2665.0	-0.40	1 / 66	28.70	**28.30**	0.676	33.01	-4.71
	16-QAM	2525.0	-0.40	1 / 66	28.39	**27.99**	0.630	33.01	-5.02
	64-QAM	2525.0	-0.40	1 / 66	26.92	**26.52**	0.448	33.01	-6.49
	256-QAM	2593.0	-0.40	1 / 66	25.12	24.72	0.296	33.01	-8.29
60 MHz	π/2 BPSK	2526.0	-0.40	1 / 81	28.33	27.93	0.621	33.01	-5.08
		2593.0	-0.40	1 / 81	28.70	**28.30**	0.676	33.01	-4.71
		2660.0	-0.40	1 / 1	28.54	28.14	0.652	33.01	-4.87
	QPSK	2526.0	-0.40	1 / 81	27.97	27.57	0.572	33.01	-5.44
		2593.0	-0.40	1 / 1	28.34	27.94	0.623	33.01	-5.07
		2660.0	-0.40	1 / 1	28.42	28.02	0.633	33.01	-4.99
	16-QAM	2660.0	-0.40	1 / 1	28.38	27.98	0.629	33.01	-5.03
	64-QAM	2660.0	-0.40	1 / 81	26.70	26.30	0.427	33.01	-6.71
	256-QAM	2530.0	-0.40	1 / 81	24.57	**24.17**	0.261	33.01	-8.84
70 MHz	π/2 BPSK	2531.0	-0.40	1 / 90	28.38	27.98	0.628	33.01	-5.03
		2593.0	-0.40	1 / 1	28.67	28.27	0.672	33.01	-4.74
		2655.0	-0.40	1 / 1	28.68	28.28	0.673	33.01	-4.73
	QPSK	2535.0	-0.40	1 / 187	28.31	**27.91**	0.618	33.01	-5.10
		2593.0	-0.40	1 / 1	28.47	28.07	0.642	33.01	-4.94
		2655.0	-0.40	1 / 1	28.70	**28.30**	0.676	33.01	-4.71
	16-QAM	2655.0	-0.40	1 / 1	28.36	27.96	0.626	33.01	-5.05
	64-QAM	2655.0	-0.40	1 / 1	26.91	26.51	0.448	33.01	-6.50
	256-QAM	2655.0	-0.40	1 / 90	24.76	24.36	0.273	33.01	-8.65
80 MHz	π/2 BPSK	2536.0	-0.40	1 / 108	28.03	27.63	0.580	33.01	-5.38
		2593.0	-0.40	1 / 108	28.03	27.63	0.579	33.01	-5.38
		2650.0	-0.40	1 / 1	28.20	27.80	0.603	33.01	-5.21
	QPSK	2536.0	-0.40	1 / 108	27.70	27.30	0.537	33.01	-5.71
		2593.0	-0.40	1 / 1	28.70	**28.30**	0.676	33.01	-4.71
		2650.0	-0.40	1 / 1	28.29	27.89	0.615	33.01	-5.12
	16-QAM	2650.0	-0.40	1 / 1	27.98	27.58	0.573	33.01	-5.43
	64-QAM	2650.0	-0.40	1 / 215	26.67	26.27	0.423	33.01	-6.74
	256-QAM	2593.0	-0.40	1 / 215	24.53	24.13	0.259	33.01	-8.88
90 MHz	π/2 BPSK	2541.0	-0.40	1 / 122	28.38	27.98	0.628	33.01	-5.03
		2593.0	-0.40	1 / 243	28.54	28.14	0.651	33.01	-4.87
		2645.0	-0.40	1 / 243	28.70	**28.30**	0.676	33.01	-4.71
	QPSK	2541.0	-0.40	1 / 122	27.79	27.39	0.548	33.01	-5.62
		2593.0	-0.40	1 / 1	28.67	28.27	0.672	33.01	-4.74
		2645.0	-0.40	1 / 1	28.53	28.13	0.650	33.01	-4.88
	16-QAM	2593.0	-0.40	1 / 1	28.27	27.87	0.612	33.01	-5.14
	64-QAM	2593.0	-0.40	1 / 1	27.01	26.61	0.458	33.01	-6.40
	256-QAM	2645.0	-0.40	1 / 122	24.82	24.42	0.277	33.01	-8.59
100 MHz	π/2 BPSK	2546.0	-0.40	1 / 271	28.43	28.03	0.635	33.01	-4.98
		2593.0	-0.40	1 / 271	28.46	28.06	0.640	33.01	-4.95
		2640.0	-0.40	1 / 271	28.56	28.16	0.655	33.01	-4.85
	QPSK	2546.0	-0.40	1 / 136	27.71	27.31	0.538	33.01	-5.70
		2593.0	-0.40	1 / 271	28.70	**28.30**	0.676	33.01	-4.71
		2640.0	-0.40	1 / 136	28.63	28.23	0.665	33.01	-4.78
	16-QAM	2593.0	-0.40	1 / 1	28.15	27.75	0.596	33.01	-5.26
	64-QAM	2593.0	-0.40	1 / 1	26.95	26.55	0.452	33.01	-6.46
	256-QAM	2640.0	-0.40	1 / 136	24.80	24.40	0.275	33.01	-8.61

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 [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz	π/2 BPSK	2510.0	-0.40	1 / 25	25.20	**24.80**	0.302	33.01	-8.21
		2593.0	-0.40	1 / 25	25.25	24.85	0.306	33.01	-8.16
		2680.0	-0.40	1 / 1	25.59	25.19	0.331	33.01	-7.82
	QPSK	2510.0	-0.40	1 / 25	25.59	25.19	0.330	33.01	-7.82
		2593.0	-0.40	1 / 25	25.46	25.06	0.321	33.01	-7.95
		2680.0	-0.40	1 / 1	25.70	**25.30**	0.339	33.01	-7.71
	16-QAM	2680.0	-0.40	1 / 1	24.98	24.58	0.287	33.01	-8.43
	64-QAM	2510.0	-0.40	1 / 49	23.08	**22.68**	0.185	33.01	-10.33
	256-QAM	2510.0	-0.40	1 / 25	21.10	**20.70**	0.117	33.01	-12.31
30 MHz	π/2 BPSK	2515.0	-0.40	1 / 39	25.37	**24.97**	0.314	33.01	-8.04
		2593.0	-0.40	1 / 1	25.41	25.01	0.317	33.01	-8.00
		2675.0	-0.40	1 / 39	25.67	25.27	0.337	33.01	-7.74
	QPSK	2515.0	-0.40	1 / 39	25.47	25.07	0.322	33.01	-7.94
		2593.0	-0.40	1 / 1	25.57	25.17	0.329	33.01	-7.84
		2675.0	-0.40	1 / 39	25.70	**25.30**	0.339	33.01	-7.71
	16-QAM	2593.0	-0.40	1 / 1	24.61	24.21	0.264	33.01	-8.80
	64-QAM	2675.0	-0.40	1 / 39	23.49	23.09	0.204	33.01	-9.92
	256-QAM	2675.0	-0.40	1 / 1	21.19	20.79	0.120	33.01	-12.22
40 MHz	π/2 BPSK	2520.0	-0.40	1 / 53	25.28	24.88	0.308	33.01	-8.13
		2593.0	-0.40	1 / 53	25.54	25.14	0.327	33.01	-7.87
		2670.0	-0.40	1 / 1	25.70	**25.30**	0.339	33.01	-7.71
	QPSK	2520.0	-0.40	1 / 53	25.65	**25.25**	0.335	33.01	-7.76
		2593.0	-0.40	1 / 1	25.54	25.14	0.327	33.01	-7.87
		2670.0	-0.40	1 / 1	25.45	25.05	0.320	33.01	-7.96
	16-QAM	2670.0	-0.40	1 / 1	25.01	24.61	0.289	33.01	-8.40
	64-QAM	2520.0	-0.40	1 / 104	23.30	**22.90**	0.195	33.01	-10.11
	256-QAM	2670.0	-0.40	1 / 1	21.19	20.79	0.120	33.01	-12.22
50 MHz	π/2 BPSK	2525.0	-0.40	1 / 66	25.54	25.14	0.327	33.01	-7.87
		2593.0	-0.40	1 / 66	25.29	24.89	0.308	33.01	-8.12
		2665.0	-0.40	1 / 1	25.70	**25.30**	0.339	33.01	-7.71
	QPSK	2525.0	-0.40	1 / 66	24.96	**24.56**	0.286	33.01	-8.45
		2593.0	-0.40	1 / 66	25.39	24.99	0.315	33.01	-8.02
		2665.0	-0.40	1 / 66	25.52	25.12	0.325	33.01	-7.89
	16-QAM	2665.0	-0.40	1 / 1	24.88	24.48	0.281	33.01	-8.53
	64-QAM	2665.0	-0.40	1 / 1	23.05	22.65	0.184	33.01	-10.36
	256-QAM	2665.0	-0.40	1 / 66	20.90	20.50	0.112	33.01	-12.51
60 MHz	π/2 BPSK	2530.0	-0.40	1 / 81	25.70	**25.30**	0.339	33.01	-7.71
		2593.0	-0.40	1 / 1	25.65	25.25	0.335	33.01	-7.76
		2660.0	-0.40	1 / 81	25.43	25.03	0.318	33.01	-7.99
	QPSK	2530.0	-0.40	1 / 81	25.43	**25.03**	0.318	33.01	-7.98
		2593.0	-0.40	1 / 1	25.60	**25.20**	0.331	33.01	-7.81
		2660.0	-0.40	1 / 1	25.51	25.11	0.325	33.01	-7.90
	16-QAM	2593.0	-0.40	1 / 160	24.74	24.34	0.271	33.01	-8.67
	64-QAM	2660.0	-0.40	1 / 1	23.17	22.77	0.189	33.01	-10.24
	256-QAM	2660.0	-0.40	1 / 1	21.22	20.82	0.121	33.01	-12.19
70 MHz	π/2 BPSK	2535.0	-0.40	1 / 187	25.63	25.23	0.334	33.01	-7.78
		2593.0	-0.40	1 / 1	25.55	25.15	0.327	33.01	-7.86
		2655.0	-0.40	1 / 1	25.70	**25.30**	0.339	33.01	-7.71
	QPSK	2535.0	-0.40	1 / 187	25.69	**25.29**	0.338	33.01	-7.72
		2593.0	-0.40	1 / 1	25.65	25.25	0.335	33.01	-7.76
		2655.0	-0.40	1 / 1	25.62	25.22	0.333	33.01	-7.79
	16-QAM	2655.0	-0.40	1 / 1	24.75	24.35	0.272	33.01	-8.66
	64-QAM	2535.0	-0.40	1 / 187	23.24	**22.84**	0.192	33.01	-10.17
	256-QAM	2593.0	-0.40	1 / 1	21.16	20.76	0.119	33.01	-12.25
80 MHz	π/2 BPSK	2540.0	-0.40	1 / 215	25.04	**24.64**	0.291	33.01	-8.37
		2593.0	-0.40	1 / 1	25.33	24.93	0.311	33.01	-8.08
		2650.0	-0.40	1 / 108	25.40	25.00	0.316	33.01	-8.01
	QPSK	2540.0	-0.40	1 / 215	24.74	24.34	0.272	33.01	-8.67
		2593.0	-0.40	1 / 1	25.70	**25.30**	0.339	33.01	-7.71
		2650.0	-0.40	1 / 1	25.36	24.96	0.313	33.01	-8.05
	16-QAM	2650.0	-0.40	1 / 1	24.56	24.16	0.261	33.01	-8.85
	64-QAM	2540.0	-0.40	1 / 215	22.86	**22.46**	0.176	33.01	-10.56
	256-QAM	2650.0	-0.40	1 / 215	20.91	20.51	0.112	33.01	-12.50
90 MHz	π/2 BPSK	2545.0	-0.40	1 / 243	25.15	24.75	0.299	33.01	-8.26
		2593.0	-0.40	1 / 243	25.50	25.10	0.323	33.01	-7.91
		2645.0	-0.40	1 / 122	25.56	**25.16**	0.328	33.01	-7.85
	QPSK	2545.0	-0.40	1 / 243	25.70	**25.30**	0.339	33.01	-7.71
		2593.0	-0.40	1 / 1	25.45	25.05	0.320	33.01	-7.96
		2645.0	-0.40	1 / 122	25.48	25.08	0.322	33.01	-7.93
	16-QAM	2645.0	-0.40	1 / 122	25.07	24.67	0.293	33.01	-8.34
	64-QAM	2593.0	-0.40	1 / 243	23.11	22.71	0.186	33.01	-10.31
	256-QAM	2593.0	-0.40	1 / 1	21.25	20.85	0.122	33.01	-12.16
100 MHz	π/2 BPSK	2550.0	-0.40	1 / 1	25.55	25.15	0.327	33.01	-7.86
		2593.0	-0.40	1 / 271	25.59	25.19	0.330	33.01	-7.82
		2640.0	-0.40	1 / 271	25.69	**25.29**	0.338	33.01	-7.72
	QPSK	2550.0	-0.40	1 / 1	25.50	**25.10**	0.324	33.01	-7.91
		2593.0	-0.40	1 / 271	25.14	24.74	0.298	33.01	-8.27
		2640.0	-0.40	1 / 1	25.11	24.71	0.296	33.01	-8.30
	16-QAM	2550.0	-0.40	1 / 271	24.24	**23.84**	0.242	33.01	-9.17
	64-QAM	2640.0	-0.40	1 / 271	23.35	22.95	0.197	33.01	-10.06
	256-QAM	2550.0	-0.40	1 / 271	24.67	**24.27**	0.268	33.01	-8.74

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

ULCA - Band 7

Power State	Band	Bandwidth (PCC + SCC)	PCC					SCC					ULCA Tx. Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	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	-0.30	21.82	0.152	33.01	-11.19
				21100	2535.0	1	99		21298	2554.8	1	0	22.20	-0.30	**21.90**	0.155	33.01	-11.11
				21350	2560.0	1	0		21152	2540.2	1	99	22.15	-0.30	21.85	0.153	33.01	-11.16
			QPSK	21100	2535	100	0	QPSK	21298	2554.8	100	0	20.77	-0.30	20.47	0.111	33.01	-12.54
			16-QAM	21100	2535	100	0	16-QAM	21298	2554.8	100	0	19.89	-0.30	**19.59**	0.091	33.01	-13.42
			64-QAM	21100	2535	100	0	64-QAM	21298	2554.8	100	0	19.76	-0.30	**19.46**	0.088	33.01	-13.55
			256-QAM	21100	2535	100	0	256-QAM	21298	2554.8	100	0	17.73	-0.30	**17.43**	0.055	33.01	-15.58

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

ULCA - Band 41 (PC2)

Power State	Band	Bandwidth (PCC + SCC)	PCC					SCC					ULCA Tx. Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	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	28.52	-0.40	28.12	0.649	33.01	-4.89
				40620	2593.0	1	99		40818	2612.8	1	0	28.66	-0.40	**28.26**	0.670	33.01	-4.75
				41490	2680.0	1	0		41292	2660.2	1	99	28.61	-0.40	28.21	0.662	33.01	-4.80
			QPSK	40620	2593	100	0	QPSK	40818	2612.8	100	0	26.86	-0.40	26.46	0.443	33.01	-6.55
			16-QAM	40620	2593	100	0	16-QAM	40818	2612.8	100	0	25.79	-0.40	**25.39**	0.346	33.01	-7.62
			64-QAM	40620	2593	100	0	64-QAM	40818	2612.8	100	0	25.84	-0.40	**25.44**	0.350	33.01	-7.57
			256-QAM	40620	2593	100	0	256-QAM	40818	2612.8	100	0	23.89	-0.40	**23.49**	0.223	33.01	-9.52

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

ULCA - Band 41 (PC3)

Power State	Band	Bandwidth (PCC + SCC)	PCC					SCC					ULCA Tx. Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	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	25.57	-0.40	25.17	0.329	33.01	-7.84
				40620	2593.0	1	99		40818	2612.8	1	0	25.47	-0.40	25.07	0.321	33.01	-7.94
				41490	2680.0	1	0		41292	2660.2	1	99	25.65	-0.40	**25.25**	0.335	33.01	-7.76
			QPSK	41490	2680	100	0	QPSK	41292	2660.2	100	0	23.72	-0.40	23.32	0.215	33.01	-9.69
			16-QAM	41490	2680	100	0	16-QAM	41292	2660.2	100	0	22.82	-0.40	**22.42**	0.175	33.01	-10.59
			64-QAM	41490	2680	100	0	64-QAM	41292	2660.2	100	0	22.70	-0.40	22.30	0.170	33.01	-10.71
			256-QAM	41490	2680	100	0	256-QAM	41292	2660.2	100	0	20.78	-0.40	**20.38**	0.109	33.01	-12.63

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 [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2307.5	-3.80	1 / 0	25.00	21.20	0.132	23.98	-2.78
		2310.0	-3.80	1 / 12	25.03	21.23	0.133	23.98	-2.75
		2312.5	-3.80	1 / 12	25.20	**21.40**	0.138	23.98	-2.58
	16-QAM	2312.5	-3.80	1 / 12	24.41	20.61	0.115	23.98	-3.37
	64-QAM	2312.5	-3.80	1 / 12	23.39	19.59	0.091	23.98	-4.39
	256-QAM	2307.5	-3.80	1 / 12	20.54	16.74	0.047	23.98	-7.24
10 MHz	QPSK	2310.0	-3.80	1 / 25	25.20	**21.40**	0.138	23.98	-2.58
	16-QAM	2310.0	-3.80	1 / 25	24.52	20.72	0.118	23.98	-3.26
	64-QAM	2310.0	-3.80	1 / 25	23.68	19.88	0.097	23.98	-4.10
	256-QAM	2310.0	-3.80	1 / 25	20.39	16.59	0.046	23.98	-7.39

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 [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2502.5	-2.70	1 / 12	25.16	**22.46**	0.176	33.01	-10.55
		2535.0	-2.70	1 / 12	25.17	22.47	0.177	33.01	-10.54
		2567.5	-2.70	1 / 24	25.20	**22.50**	0.178	33.01	-10.51
	16-QAM	2535.0	-2.70	1 / 12	24.46	21.76	0.150	33.01	-11.25
	64-QAM	2535.0	-2.70	1 / 0	23.45	20.75	0.119	33.01	-12.26
	256-QAM	2567.5	-2.70	1 / 12	20.48	17.78	0.060	33.01	-15.23
10 MHz	QPSK	2505.0	-2.70	1 / 49	25.20	**22.50**	0.178	33.01	-10.51
		2535.0	-2.70	1 / 25	25.11	22.41	0.174	33.01	-10.60
		2565.0	-2.70	1 / 25	24.98	22.28	0.169	33.01	-10.73
	16-QAM	2535.0	-2.70	1 / 25	24.38	21.68	0.147	33.01	-11.33
	64-QAM	2505.0	-2.70	1 / 49	23.52	20.82	0.121	33.01	-12.19
	256-QAM	2565.0	-2.70	1 / 25	20.75	18.05	0.064	33.01	-14.96
15 MHz	QPSK	2507.5	-2.70	1 / 74	25.16	22.46	0.176	33.01	-10.55
		2535.0	-2.70	1 / 74	25.20	**22.50**	0.178	33.01	-10.51
		2562.5	-2.70	1 / 74	24.92	22.22	0.167	33.01	-10.79
	16-QAM	2562.5	-2.70	1 / 74	24.55	21.85	0.153	33.01	-11.16
	64-QAM	2535.0	-2.70	1 / 37	23.46	20.76	0.119	33.01	-12.25
	256-QAM	2507.5	-2.70	1 / 37	20.44	17.74	0.059	33.01	-15.27
20 MHz	QPSK	2510.0	-2.70	1 / 99	25.16	22.46	0.176	33.01	-10.55
		2535.0	-2.70	1 / 99	25.20	**22.50**	0.178	33.01	-10.51
		2560.0	-2.70	1 / 99	25.09	22.39	0.173	33.01	-10.62
	16-QAM	2560.0	-2.70	1 / 50	24.67	21.97	0.157	33.01	-11.04
	64-QAM	2510.0	-2.70	1 / 50	23.50	20.80	0.120	33.01	-12.21
	256-QAM	2560.0	-2.70	1 / 50	20.44	17.74	0.059	33.01	-15.27

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 [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2498.5	-2.70	1 / 12	27.16	**24.46**	0.279	33.01	-8.55
		2593.0	-2.70	1 / 12	27.20	**24.50**	0.282	33.01	-8.51
		2687.5	-2.70	1 / 12	27.19	24.49	0.281	33.01	-8.52
	16-QAM	2687.5	-2.70	1 / 0	26.27	23.57	0.228	33.01	-9.44
	64-QAM	2687.5	-2.70	1 / 12	25.70	23.00	0.200	33.01	-10.01
	256-QAM	2687.5	-2.70	1 / 12	22.29	19.59	0.091	33.01	-13.42
10 MHz	QPSK	2501.0	-2.70	1 / 25	27.02	24.32	0.270	33.01	-8.69
		2593.0	-2.70	1 / 25	27.04	24.34	0.272	33.01	-8.67
		2685.0	-2.70	1 / 0	27.20	**24.50**	0.282	33.01	-8.51
	16-QAM	2685.0	-2.70	1 / 0	26.26	23.56	0.227	33.01	-9.45
	64-QAM	2685.0	-2.70	1 / 25	25.41	22.71	0.187	33.01	-10.30
	256-QAM	2685.0	-2.70	1 / 25	22.54	19.84	0.096	33.01	-13.17
15 MHz	QPSK	2503.5	-2.70	1 / 37	26.92	24.22	0.264	33.01	-8.79
		2593.0	-2.70	1 / 0	27.07	24.37	0.274	33.01	-8.64
		2682.5	-2.70	1 / 37	27.20	**24.50**	0.282	33.01	-8.51
	16-QAM	2682.5	-2.70	1 / 0	26.25	23.55	0.226	33.01	-9.46
	64-QAM	2682.5	-2.70	1 / 37	25.23	22.53	0.179	33.01	-10.48
	256-QAM	2682.5	-2.70	1 / 37	22.24	19.54	0.090	33.01	-13.47
20 MHz	QPSK	2506.0	-2.70	1 / 50	26.80	24.10	0.257	33.01	-8.91
		2593.0	-2.70	1 / 0	26.93	24.23	0.265	33.01	-8.78
		2680.0	-2.70	1 / 50	27.20	**24.50**	0.282	33.01	-8.51
	16-QAM	2680.0	-2.70	1 / 50	26.15	23.45	0.221	33.01	-9.56
	64-QAM	2680.0	-2.70	1 / 50	25.16	22.46	0.176	33.01	-10.55
	256-QAM	2680.0	-2.70	1 / 50	22.11	19.41	0.087	33.01	-13.60

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 [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2498.5	-2.70	1 / 12	25.59	**22.89**	0.195	33.01	-10.12
		2593.0	-2.70	1 / 12	25.58	22.88	0.194	33.01	-10.13
		2687.5	-2.70	1 / 12	25.70	**23.00**	0.200	33.01	-10.01
	16-QAM	2687.5	-2.70	1 / 24	24.77	22.07	0.161	33.01	-10.94
	64-QAM	2687.5	-2.70	1 / 24	24.06	21.36	0.137	33.01	-11.65
	256-QAM	2687.5	-2.70	1 / 24	20.77	18.07	0.064	33.01	-14.94
10 MHz	QPSK	2501.0	-2.70	1 / 25	25.50	22.80	0.191	33.01	-10.21
		2593.0	-2.70	1 / 0	25.56	22.86	0.193	33.01	-10.15
		2685.0	-2.70	1 / 25	25.70	**23.00**	0.200	33.01	-10.01
	16-QAM	2685.0	-2.70	1 / 25	24.85	22.15	0.164	33.01	-10.86
	64-QAM	2685.0	-2.70	1 / 0	23.67	20.97	0.125	33.01	-12.04
	256-QAM	2685.0	-2.70	1 / 25	21.12	18.42	0.070	33.01	-14.59
15 MHz	QPSK	2503.5	-2.70	1 / 37	25.44	22.74	0.188	33.01	-10.27
		2593.0	-2.70	1 / 37	25.41	22.71	0.187	33.01	-10.30
		2682.5	-2.70	1 / 37	25.70	**23.00**	0.200	33.01	-10.01
	16-QAM	2682.5	-2.70	1 / 37	24.75	22.05	0.160	33.01	-10.96
	64-QAM	2682.5	-2.70	1 / 37	23.58	20.88	0.122	33.01	-12.13
	256-QAM	2682.5	-2.70	1 / 37	20.68	17.98	0.063	33.01	-15.03
20 MHz	QPSK	2506.0	-2.70	1 / 50	25.42	22.72	0.187	33.01	-10.29
		2593.0	-2.70	1 / 0	25.41	22.71	0.187	33.01	-10.30
		2680.0	-2.70	1 / 99	25.70	**23.00**	0.200	33.01	-10.01
	16-QAM	2593.0	-2.70	1 / 50	24.91	22.21	0.166	33.01	-10.80
	64-QAM	2680.0	-2.70	1 / 50	24.22	21.52	0.142	33.01	-11.49
	256-QAM	2680.0	-2.70	1 / 99	20.72	18.02	0.063	33.01	-14.99

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 [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	2307.5	-3.80	1 / 1	24.91	**21.11**	0.129	23.98	-2.87
		2310.0	-3.80	1 / 1	25.20	**21.40**	0.138	23.98	-2.58
		2312.5	-3.80	1 / 1	25.09	21.29	0.135	23.98	-2.69
	QPSK	2307.5	-3.80	1 / 23	24.95	21.15	0.130	23.98	-2.83
		2310.0	-3.80	1 / 12	24.99	21.19	0.132	23.98	-2.79
		2312.5	-3.80	1 / 23	24.98	21.18	0.131	23.98	-2.80
	16-QAM	2307.5	-3.80	1 / 23	24.50	20.70	0.117	23.98	-3.28
	64-QAM	2307.5	-3.80	1 / 1	22.79	18.99	0.079	23.98	-4.99
	256-QAM	2310.0	-3.80	1 / 12	20.73	16.93	0.049	23.98	-7.05
10 MHz	π/2 BPSK	2310.0	-3.80	1 / 25	24.90	21.10	0.129	23.98	-2.88
	QPSK	2310.0	-3.80	1 / 25	25.20	**21.40**	0.138	23.98	-2.58
	16-QAM	2310.0	-3.80	1 / 25	24.66	20.86	0.122	23.98	-3.11
	64-QAM	2310.0	-3.80	1 / 50	22.78	18.98	0.079	23.98	-5.00
	256-QAM	2310.0	-3.80	1 / 25	20.86	17.06	0.051	23.98	-6.92

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 [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	2502.5	-2.70	1 / 23	25.16	**22.46**	0.176	33.01	-10.55
		2535.0	-2.70	1 / 23	25.20	**22.50**	0.178	33.01	-10.51
		2567.5	-2.70	1 / 12	25.06	22.36	0.172	33.01	-10.65
	QPSK	2502.5	-2.70	1 / 23	25.18	22.48	0.177	33.01	-10.53
		2535.0	-2.70	1 / 23	25.10	22.40	0.174	33.01	-10.61
		2567.5	-2.70	1 / 1	25.11	22.41	0.174	33.01	-10.60
	16-QAM	2535.0	-2.70	1 / 12	24.52	21.82	0.152	33.01	-11.19
	64-QAM	2535.0	-2.70	1 / 12	23.08	20.38	0.109	33.01	-12.63
	256-QAM	2567.5	-2.70	1 / 23	20.80	18.10	0.065	33.01	-14.91
10 MHz	π/2 BPSK	2505.0	-2.70	1 / 1	24.86	22.16	0.165	33.01	-10.85
		2535.0	-2.70	1 / 25	25.20	**22.50**	0.178	33.01	-10.51
		2565.0	-2.70	1 / 1	24.79	22.09	0.162	33.01	-10.92
	QPSK	2505.0	-2.70	1 / 1	24.70	22.00	0.158	33.01	-11.01
		2535.0	-2.70	1 / 50	24.80	22.10	0.162	33.01	-10.91
		2565.0	-2.70	1 / 50	24.81	22.11	0.163	33.01	-10.90
	16-QAM	2505.0	-2.70	1 / 25	24.18	21.48	0.141	33.01	-11.53
	64-QAM	2535.0	-2.70	1 / 50	23.19	20.49	0.112	33.01	-12.52
	256-QAM	2505.0	-2.70	1 / 1	20.80	18.10	0.065	33.01	-14.91
15 MHz	π/2 BPSK	2507.5	-2.70	1 / 37	25.20	**22.50**	0.178	33.01	-10.51
		2535.0	-2.70	1 / 1	25.04	22.34	0.172	33.01	-10.67
		2562.5	-2.70	1 / 73	24.87	22.17	0.165	33.01	-10.84
	QPSK	2507.5	-2.70	1 / 37	24.90	22.20	0.166	33.01	-10.81
		2535.0	-2.70	1 / 1	25.04	22.34	0.172	33.01	-10.67
		2562.5	-2.70	1 / 73	24.96	22.26	0.168	33.01	-10.75
	16-QAM	2507.5	-2.70	1 / 73	24.51	21.81	0.152	33.01	-11.20
	64-QAM	2535.0	-2.70	1 / 1	23.01	20.31	0.107	33.01	-12.70
	256-QAM	2562.5	-2.70	1 / 73	20.33	17.63	0.058	33.01	-15.38
20 MHz	π/2 BPSK	2510.0	-2.70	1 / 1	25.01	22.31	0.170	33.01	-10.70
		2535.0	-2.70	1 / 1	25.20	**22.50**	0.178	33.01	-10.51
		2560.0	-2.70	1 / 50	24.77	22.07	0.161	33.01	-10.95
	QPSK	2510.0	-2.70	1 / 1	24.84	22.14	0.164	33.01	-10.87
		2535.0	-2.70	1 / 98	24.92	22.22	0.167	33.01	-10.79
		2560.0	-2.70	1 / 1	24.96	22.26	0.168	33.01	-10.75
	16-QAM	2535.0	-2.70	1 / 50	24.27	21.57	0.143	33.01	-11.44
	64-QAM	2535.0	-2.70	1 / 98	22.68	19.98	0.099	33.01	-13.03
	256-QAM	2535.0	-2.70	1 / 50	20.64	17.94	0.062	33.01	-15.07
25 MHz	π/2 BPSK	2512.5	-2.70	1 / 131	25.17	22.47	0.177	33.01	-10.54
		2535.0	-2.70	1 / 1	25.18	22.48	0.177	33.01	-10.53
		2557.5	-2.70	1 / 1	24.94	22.24	0.167	33.01	-10.77
	QPSK	2512.5	-2.70	1 / 1	25.19	22.49	0.177	33.01	-10.52
		2535.0	-2.70	1 / 131	25.20	**22.50**	0.178	33.01	-10.51
		2557.5	-2.70	1 / 131	25.00	22.30	0.170	33.01	-10.71
	16-QAM	2557.5	-2.70	1 / 1	24.56	21.86	0.154	33.01	-11.15
	64-QAM	2557.5	-2.70	1 / 131	23.03	20.33	0.108	33.01	-12.68
	256-QAM	2512.5	-2.70	1 / 66	20.73	18.03	0.064	33.01	-14.98
30 MHz	π/2 BPSK	2515.0	-2.70	1 / 1	24.39	21.69	0.148	33.01	-11.32
		2535.0	-2.70	1 / 1	24.36	21.66	0.147	33.01	-11.35
		2555.0	-2.70	1 / 1	25.20	**22.50**	0.178	33.01	-10.51
	QPSK	2515.0	-2.70	1 / 158	24.55	21.85	0.153	33.01	-11.16
		2535.0	-2.70	1 / 80	24.65	21.95	0.157	33.01	-11.06
		2555.0	-2.70	1 / 1	24.85	22.15	0.164	33.01	-10.86
	16-QAM	2515.0	-2.70	1 / 1	24.13	21.43	0.139	33.01	-11.58
	64-QAM	2515.0	-2.70	1 / 158	22.36	19.66	0.092	33.01	-13.35
	256-QAM	2555.0	-2.70	1 / 158	20.16	17.46	0.056	33.01	-15.55
40 MHz	π/2 BPSK	2520.0	-2.70	1 / 108	25.17	**22.47**	0.177	33.01	-10.54
		2535.0	-2.70	1 / 108	24.51	21.81	0.152	33.01	-11.20
		2550.0	-2.70	1 / 1	24.95	22.25	0.168	33.01	-10.76
	QPSK	2520.0	-2.70	1 / 108	24.90	22.20	0.166	33.01	-10.81
		2535.0	-2.70	1 / 214	24.82	22.12	0.163	33.01	-10.89
		2550.0	-2.70	1 / 214	24.97	22.27	0.168	33.01	-10.74
	16-QAM	2520.0	-2.70	1 / 214	24.28	21.58	0.144	33.01	-11.43
	64-QAM	2550.0	-2.70	1 / 1	22.89	20.19	0.104	33.01	-12.82
	256-QAM	2550.0	-2.70	1 / 1	20.77	18.07	0.064	33.01	-14.94

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 [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz	π/2 BPSK	2506.0	-2.70	1 / 25	26.31	**23.61**	0.230	33.01	-9.40
		2593.0	-2.70	1 / 49	26.81	24.11	0.258	33.01	-8.90
		2680.0	-2.70	1 / 49	27.07	24.37	0.274	33.01	-8.64
	QPSK	2506.0	-2.70	1 / 25	25.86	23.16	0.207	33.01	-9.85
		2593.0	-2.70	1 / 25	26.90	24.20	0.263	33.01	-8.81
		2680.0	-2.70	1 / 25	27.08	**24.38**	0.274	33.01	-8.64
	16-QAM	2680.0	-2.70	1 / 49	26.34	23.64	0.231	33.01	-9.37
	64-QAM	2680.0	-2.70	1 / 25	24.78	22.08	0.162	33.01	-10.93
	256-QAM	2680.0	-2.70	1 / 49	22.45	19.75	0.094	33.01	-13.26
30 MHz	π/2 BPSK	2511.0	-2.70	1 / 76	26.62	23.92	0.247	33.01	-9.09
		2593.0	-2.70	1 / 76	27.17	**24.47**	0.280	33.01	-8.54
		2675.0	-2.70	1 / 76	27.07	24.37	0.274	33.01	-8.64
	QPSK	2511.0	-2.70	1 / 76	26.10	23.40	0.219	33.01	-9.61
		2593.0	-2.70	1 / 39	27.13	24.43	0.278	33.01	-8.58
		2675.0	-2.70	1 / 76	27.04	24.34	0.272	33.01	-8.67
	16-QAM	2675.0	-2.70	1 / 39	26.57	23.87	0.244	33.01	-9.15
	64-QAM	2593.0	-2.70	1 / 76	24.94	22.24	0.168	33.01	-10.77
	256-QAM	2675.0	-2.70	1 / 76	22.76	20.06	0.102	33.01	-12.95
40 MHz	π/2 BPSK	2516.0	-2.70	1 / 53	26.49	23.79	0.239	33.01	-9.22
		2593.0	-2.70	1 / 104	27.20	**24.50**	0.282	33.01	-8.51
		2670.0	-2.70	1 / 53	26.94	24.24	0.265	33.01	-8.77
	QPSK	2516.0	-2.70	1 / 53	25.89	23.19	0.208	33.01	-9.82
		2593.0	-2.70	1 / 53	26.78	24.08	0.256	33.01	-8.93
		2670.0	-2.70	1 / 53	27.19	24.49	0.281	33.01	-8.52
	16-QAM	2670.0	-2.70	1 / 53	26.60	23.90	0.245	33.01	-9.11
	64-QAM	2593.0	-2.70	1 / 53	24.72	22.02	0.159	33.01	-10.99
	256-QAM	2593.0	-2.70	1 / 53	22.59	19.89	0.097	33.01	-13.13
50 MHz	π/2 BPSK	2521.0	-2.70	1 / 131	26.37	23.67	0.233	33.01	-9.34
		2593.0	-2.70	1 / 66	27.20	**24.50**	0.282	33.01	-8.51
		2665.0	-2.70	1 / 66	26.75	24.05	0.254	33.01	-8.96
	QPSK	2521.0	-2.70	1 / 66	25.24	22.54	0.179	33.01	-10.47
		2593.0	-2.70	1 / 66	26.63	23.93	0.247	33.01	-9.08
		2665.0	-2.70	1 / 66	26.02	23.32	0.215	33.01	-9.69
	16-QAM	2521.0	-2.70	1 / 66	24.74	22.04	0.160	33.01	-10.97
	64-QAM	2593.0	-2.70	1 / 66	24.39	21.69	0.148	33.01	-11.32
	256-QAM	2665.0	-2.70	1 / 66	22.42	19.72	0.094	33.01	-13.29
60 MHz	π/2 BPSK	2526.0	-2.70	1 / 160	26.48	23.78	0.239	33.01	-9.23
		2593.0	-2.70	1 / 81	26.85	24.15	0.260	33.01	-8.86
		2660.0	-2.70	1 / 1	27.20	**24.50**	0.282	33.01	-8.51
	QPSK	2526.0	-2.70	1 / 81	25.43	22.73	0.188	33.01	-10.28
		2593.0	-2.70	1 / 81	26.47	23.77	0.238	33.01	-9.24
		2660.0	-2.70	1 / 1	26.41	23.71	0.235	33.01	-9.30
	16-QAM	2593.0	-2.70	1 / 81	26.13	23.43	0.220	33.01	-9.58
	64-QAM	2593.0	-2.70	1 / 81	24.67	21.97	0.157	33.01	-11.04
	256-QAM	2660.0	-2.70	1 / 81	22.69	19.99	0.100	33.01	-13.02
70 MHz	π/2 BPSK	2531.0	-2.70	1 / 1	26.59	23.89	0.245	33.01	-9.12
		2593.0	-2.70	1 / 1	26.98	24.28	0.268	33.01	-8.73
		2655.0	-2.70	1 / 1	27.20	**24.50**	0.282	33.01	-8.51
	QPSK	2531.0	-2.70	1 / 90	25.43	22.73	0.187	33.01	-10.28
		2593.0	-2.70	1 / 90	26.79	24.09	0.257	33.01	-8.92
		2655.0	-2.70	1 / 1	26.68	23.98	0.250	33.01	-9.03
	16-QAM	2655.0	-2.70	1 / 1	26.23	23.53	0.225	33.01	-9.48
	64-QAM	2655.0	-2.70	1 / 1	24.86	22.16	0.164	33.01	-10.85
	256-QAM	2655.0	-2.70	1 / 1	22.84	20.14	0.103	33.01	-12.87
80 MHz	π/2 BPSK	2536.0	-2.70	1 / 108	26.52	23.82	0.241	33.01	-9.19
		2593.0	-2.70	1 / 215	27.08	24.38	0.274	33.01	-8.63
		2650.0	-2.70	1 / 1	27.20	**24.50**	0.282	33.01	-8.51
	QPSK	2536.0	-2.70	1 / 108	25.21	22.51	0.178	33.01	-10.50
		2593.0	-2.70	1 / 108	27.01	24.31	0.270	33.01	-8.70
		2650.0	-2.70	1 / 108	26.86	24.16	0.261	33.01	-8.85
	16-QAM	2593.0	-2.70	1 / 108	26.36	23.66	0.232	33.01	-9.36
	64-QAM	2593.0	-2.70	1 / 108	24.83	22.13	0.163	33.01	-10.88
	256-QAM	2593.0	-2.70	1 / 108	22.83	20.13	0.103	33.01	-12.88
90 MHz	π/2 BPSK	2541.0	-2.70	1 / 243	26.57	23.87	0.244	33.01	-9.14
		2593.0	-2.70	1 / 122	27.08	24.38	0.274	33.01	-8.63
		2645.0	-2.70	1 / 122	27.07	24.37	0.273	33.01	-8.64
	QPSK	2541.0	-2.70	1 / 122	25.25	22.55	0.180	33.01	-10.46
		2593.0	-2.70	1 / 122	26.63	23.93	0.247	33.01	-9.08
		2645.0	-2.70	1 / 1	27.20	**24.50**	0.282	33.01	-8.51
	16-QAM	2593.0	-2.70	1 / 122	26.28	23.58	0.228	33.01	-9.43
	64-QAM	2645.0	-2.70	1 / 1	24.72	22.02	0.159	33.01	-10.99
	256-QAM	2593.0	-2.70	1 / 122	22.75	20.05	0.101	33.01	-12.96
100 MHz	π/2 BPSK	2546.0	-2.70	1 / 271	26.61	23.91	0.246	33.01	-9.10
		2593.0	-2.70	1 / 136	26.93	24.23	0.265	33.01	-8.78
		2640.0	-2.70	1 / 271	27.02	24.32	0.270	33.01	-8.69
	QPSK	2546.0	-2.70	1 / 271	25.18	22.48	0.177	33.01	-10.53
		2593.0	-2.70	1 / 136	26.65	23.95	0.248	33.01	-9.06
		2640.0	-2.70	1 / 1	27.20	**24.50**	0.282	33.01	-8.51
	16-QAM	2593.0	-2.70	1 / 136	26.19	23.49	0.223	33.01	-9.52
	64-QAM	2640.0	-2.70	1 / 1	24.76	22.06	0.161	33.01	-10.95
	256-QAM	2593.0	-2.70	1 / 136	22.49	19.79	0.095	33.01	-13.22

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 [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz	π/2 BPSK	2510.0	-2.70	1 / 49	25.37	**22.67**	0.185	33.01	-10.34
		2593.0	-2.70	1 / 25	25.17	22.47	0.177	33.01	-10.54
		2680.0	-2.70	1 / 49	25.63	22.93	0.196	33.01	-10.08
	QPSK	2510.0	-2.70	1 / 49	25.11	22.41	0.174	33.01	-10.60
		2593.0	-2.70	1 / 49	25.70	**23.00**	0.200	33.01	-10.01
		2680.0	-2.70	1 / 49	25.15	22.45	0.176	33.01	-10.56
	16-QAM	2593.0	-2.70	1 / 49	24.52	21.82	0.152	33.01	-11.19
	64-QAM	2680.0	-2.70	1 / 49	23.06	20.36	0.109	33.01	-12.65
	256-QAM	2510.0	-2.70	1 / 49	20.66	**17.96**	0.063	33.01	-15.05
30 MHz	π/2 BPSK	2515.0	-2.70	1 / 39	25.12	**22.42**	0.174	33.01	-10.59
		2593.0	-2.70	1 / 39	25.22	22.52	0.179	33.01	-10.49
		2675.0	-2.70	1 / 1	25.54	22.84	0.192	33.01	-10.17
	QPSK	2515.0	-2.70	1 / 76	25.28	22.58	0.181	33.01	-10.43
		2593.0	-2.70	1 / 39	25.32	22.62	0.183	33.01	-10.39
		2675.0	-2.70	1 / 76	25.70	**23.00**	0.200	33.01	-10.01
	16-QAM	2593.0	-2.70	1 / 76	24.81	22.11	0.163	33.01	-10.90
	64-QAM	2593.0	-2.70	1 / 39	23.10	20.40	0.110	33.01	-12.61
	256-QAM	2675.0	-2.70	1 / 1	21.17	18.47	0.070	33.01	-14.54
40 MHz	π/2 BPSK	2520.0	-2.70	1 / 53	25.57	22.87	0.194	33.01	-10.14
		2593.0	-2.70	1 / 39	25.28	22.58	0.181	33.01	-10.43
		2670.0	-2.70	1 / 104	25.70	**23.00**	0.200	33.01	-10.01
	QPSK	2520.0	-2.70	1 / 53	25.33	**22.63**	0.183	33.01	-10.38
		2593.0	-2.70	1 / 1	25.45	22.75	0.188	33.01	-10.26
		2670.0	-2.70	1 / 39	25.42	22.72	0.187	33.01	-10.29
	16-QAM	2670.0	-2.70	1 / 104	24.83	22.13	0.163	33.01	-10.88
	64-QAM	2670.0	-2.70	1 / 1	23.13	20.43	0.110	33.01	-12.58
	256-QAM	2670.0	-2.70	1 / 104	21.30	18.60	0.072	33.01	-14.41
50 MHz	π/2 BPSK	2525.0	-2.70	1 / 131	25.70	**23.00**	0.200	33.01	-10.01
		2593.0	-2.70	1 / 131	25.53	22.83	0.192	33.01	-10.18
		2665.0	-2.70	1 / 1	25.58	22.88	0.194	33.01	-10.13
	QPSK	2525.0	-2.70	1 / 131	25.32	22.62	0.183	33.01	-10.39
		2593.0	-2.70	1 / 131	25.31	22.61	0.182	33.01	-10.40
		2665.0	-2.70	1 / 1	25.46	**22.76**	0.189	33.01	-10.25
	16-QAM	2593.0	-2.70	1 / 1	24.94	22.24	0.168	33.01	-10.77
	64-QAM	2593.0	-2.70	1 / 1	23.08	20.38	0.109	33.01	-12.63
	256-QAM	2593.0	-2.70	1 / 66	20.96	18.26	0.067	33.01	-14.75
60 MHz	π/2 BPSK	2530.0	-2.70	1 / 81	25.25	22.55	0.180	33.01	-10.46
		2593.0	-2.70	1 / 81	25.70	**23.00**	0.200	33.01	-10.01
		2660.0	-2.70	1 / 160	25.44	22.74	0.188	33.01	-10.27
	QPSK	2530.0	-2.70	1 / 81	25.46	**22.76**	0.189	33.01	-10.25
		2593.0	-2.70	1 / 81	25.53	22.83	0.192	33.01	-10.18
		2660.0	-2.70	1 / 81	25.36	22.66	0.184	33.01	-10.35
	16-QAM	2593.0	-2.70	1 / 1	24.84	22.14	0.164	33.01	-10.87
	64-QAM	2660.0	-2.70	1 / 160	23.07	20.37	0.109	33.01	-12.64
	256-QAM	2593.0	-2.70	1 / 81	21.01	18.31	0.068	33.01	-14.70
70 MHz	π/2 BPSK	2535.0	-2.70	1 / 187	25.21	**22.51**	0.178	33.01	-10.50
		2593.0	-2.70	1 / 90	25.36	22.66	0.184	33.01	-10.35
		2655.0	-2.70	1 / 187	25.53	22.83	0.192	33.01	-10.18
	QPSK	2535.0	-2.70	1 / 187	25.70	**23.00**	0.200	33.01	-10.01
		2593.0	-2.70	1 / 187	25.70	**23.00**	0.200	33.01	-10.01
		2655.0	-2.70	1 / 90	25.44	22.74	0.188	33.01	-10.27
	16-QAM	2593.0	-2.70	1 / 187	24.93	22.23	0.167	33.01	-10.78
	64-QAM	2655.0	-2.70	1 / 1	23.20	20.50	0.112	33.01	-12.51
	256-QAM	2593.0	-2.70	1 / 187	21.32	18.62	0.073	33.01	-14.39
80 MHz	π/2 BPSK	2540.0	-2.70	1 / 215	25.26	**22.56**	0.180	33.01	-10.45
		2593.0	-2.70	1 / 108	25.54	22.84	0.192	33.01	-10.17
		2650.0	-2.70	1 / 108	25.63	22.93	0.196	33.01	-10.08
	QPSK	2540.0	-2.70	1 / 215	25.46	22.76	0.189	33.01	-10.25
		2593.0	-2.70	1 / 215	25.69	22.99	0.199	33.01	-10.02
		2650.0	-2.70	1 / 108	25.70	**23.00**	0.200	33.01	-10.01
	16-QAM	2650.0	-2.70	1 / 108	24.83	22.13	0.163	33.01	-10.88
	64-QAM	2650.0	-2.70	1 / 1	23.28	20.58	0.114	33.01	-12.43
	256-QAM	2650.0	-2.70	1 / 215	21.20	18.50	0.071	33.01	-14.51
90 MHz	π/2 BPSK	2545.0	-2.70	1 / 243	25.02	**22.32**	0.170	33.01	-10.69
		2593.0	-2.70	1 / 1	25.66	22.96	0.198	33.01	-10.05
		2645.0	-2.70	1 / 122	25.62	22.92	0.196	33.01	-10.09
	QPSK	2545.0	-2.70	1 / 243	24.85	22.15	0.164	33.01	-10.86
		2593.0	-2.70	1 / 1	25.70	**23.00**	0.200	33.01	-10.01
		2645.0	-2.70	1 / 122	25.66	22.96	0.198	33.01	-10.05
	16-QAM	2645.0	-2.70	1 / 1	24.92	22.22	0.167	33.01	-10.79
	64-QAM	2645.0	-2.70	1 / 122	23.42	20.72	0.118	33.01	-12.29
	256-QAM	2593.0	-2.70	1 / 1	21.04	18.34	0.068	33.01	-14.67
100 MHz	π/2 BPSK	2550.0	-2.70	1 / 271	25.55	22.85	0.193	33.01	-10.16
		2593.0	-2.70	1 / 271	25.59	22.89	0.195	33.01	-10.12
		2640.0	-2.70	1 / 271	25.60	22.90	0.195	33.01	-10.11
	QPSK	2550.0	-2.70	1 / 1	25.50	**22.80**	0.191	33.01	-10.21
		2593.0	-2.70	1 / 271	25.14	22.44	0.175	33.01	-10.57
		2640.0	-2.70	1 / 1	25.37	22.67	0.185	33.01	-10.34
	16-QAM	2550.0	-2.70	1 / 271	24.23	**21.53**	0.142	33.01	-11.48
	64-QAM	2640.0	-2.70	1 / 271	23.49	20.79	0.120	33.01	-12.22
	256-QAM	2550.0	-2.70	1 / 271	24.67	**21.97**	0.158	33.01	-11.04

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

ULCA - Band 7

Power State	Band	Bandwidth (PCC + SCC)	PCC					SCC					ULCA Tx. Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	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	-2.70	**22.43**	0.175	33.01	-10.58
				21100	2535.0	1	99		21298	2554.8	1	0	25.04	-2.70	22.34	0.171	33.01	-10.67
				21350	2560.0	1	0		21152	2540.2	1	99	25.04	-2.70	22.34	0.171	33.01	-10.67
			QPSK	20850	2510	100	0	QPSK	21048	2529.8	100	0	23.36	-2.70	20.66	0.116	33.01	-12.35
			16-QAM	20850	2510	100	0	16-QAM	21048	2529.8	100	0	22.37	-2.70	**19.67**	0.093	33.01	-13.34
			64-QAM	20850	2510	100	0	64-QAM	21048	2529.8	100	0	22.24	-2.70	**19.54**	0.090	33.01	-13.47
			256-QAM	20850	2510	100	0	256-QAM	21048	2529.8	100	0	20.21	-2.70	**17.51**	0.056	33.01	-15.50

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

ULCA - Band 41 (PC2)

Power State	Band	Bandwidth (PCC + SCC)	PCC					SCC					ULCA Tx. Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	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	26.97	-2.70	24.27	0.267	33.01	-8.74
				40620	2593.0	1	99		40818	2612.8	1	0	26.92	-2.70	24.22	0.264	33.01	-8.79
				41490	2680.0	1	0		41292	2660.2	1	99	27.08	-2.70	24.38	0.274	33.01	-8.63
			QPSK	41490	2680	100	0	QPSK	41292	2660.2	100	0	25.33	-2.70	22.63	0.183	33.01	-10.38
			16-QAM	41490	2680	100	0	16-QAM	41292	2660.2	100	0	24.37	-2.70	**21.67**	0.147	33.01	-11.34
			64-QAM	41490	2680	100	0	64-QAM	41292	2660.2	100	0	24.20	-2.70	**21.50**	0.141	33.01	-11.51
			256-QAM	41490	2680	100	0	256-QAM	41292	2660.2	100	0	22.35	-2.70	**19.65**	0.092	33.01	-13.36

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

ULCA - Band 41 (PC3)

Power State	Band	Bandwidth (PCC + SCC)	PCC					SCC					ULCA Tx. Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	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	25.60	-2.70	22.90	0.195	33.01	-10.11
				40620	2593.0	1	99		40818	2612.8	1	0	25.64	-2.70	22.94	0.197	33.01	-10.07
				41490	2680.0	1	0		41292	2660.2	1	99	25.46	-2.70	22.76	0.189	33.01	-10.25
			QPSK	40620	2593	100	0	QPSK	40818	2612.8	100	0	23.71	-2.70	21.01	0.126	33.01	-12.00
			16-QAM	40620	2593	100	0	16-QAM	40818	2612.8	100	0	22.79	-2.70	20.09	0.102	33.01	-12.92
			64-QAM	40620	2593	100	0	64-QAM	40818	2612.8	100	0	22.71	-2.70	20.01	0.100	33.01	-13.00
			256-QAM	40620	2593	100	0	256-QAM	40818	2612.8	100	0	20.73	-2.70	18.03	0.064	33.01	-14.98

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