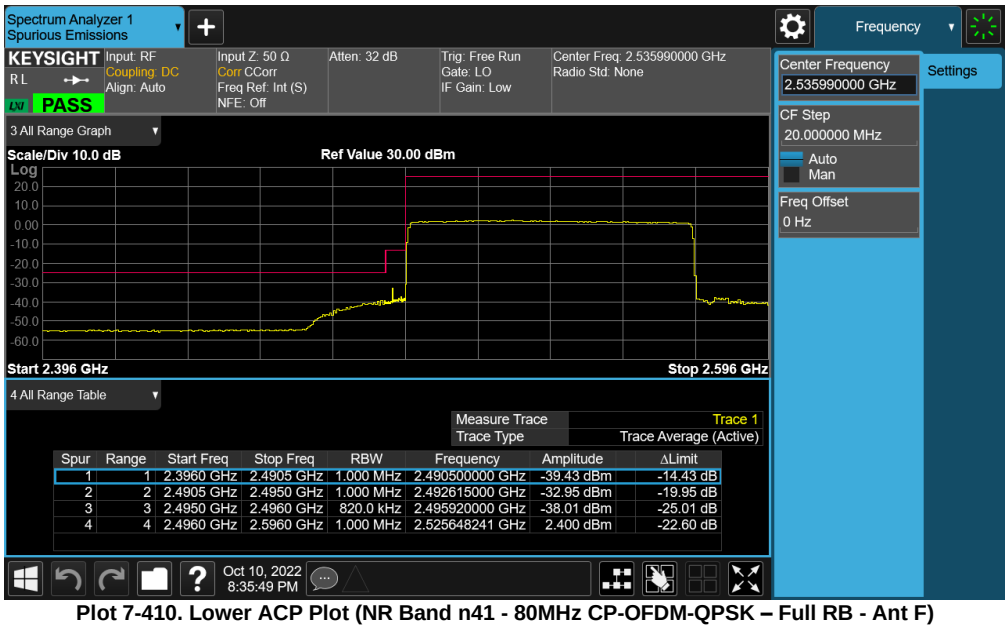
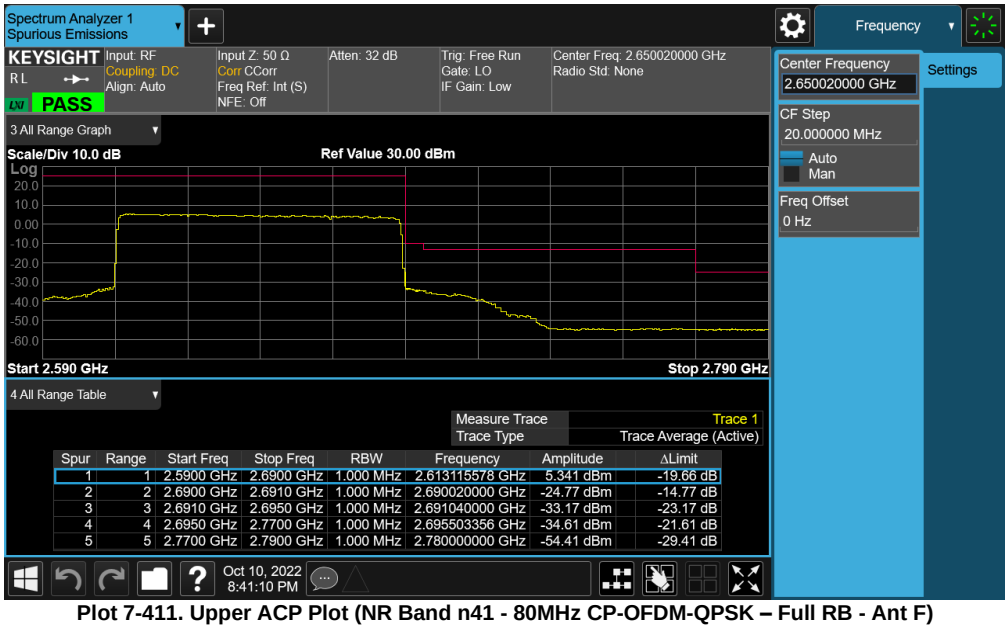
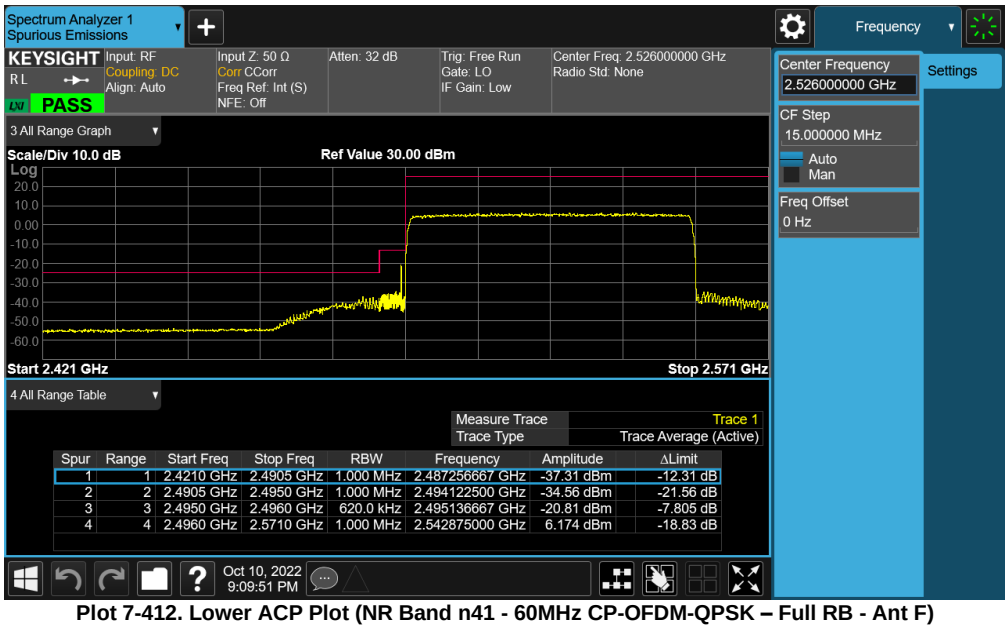


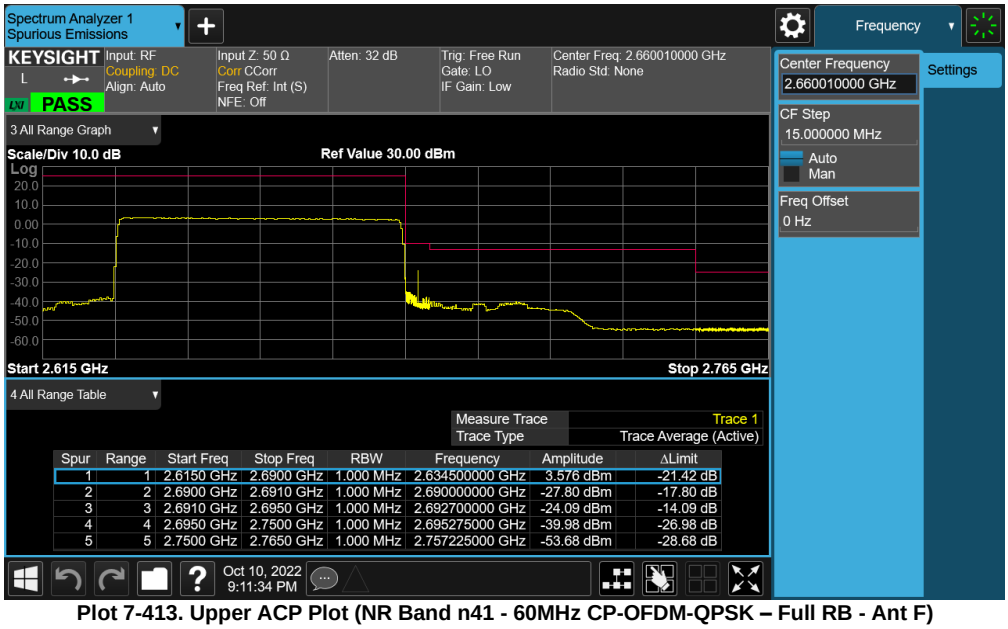
Plot 7-410. Lower ACP Plot (NR Band n41 - 80MHz CP-OFDM-QPSK – Full RB - Ant F)



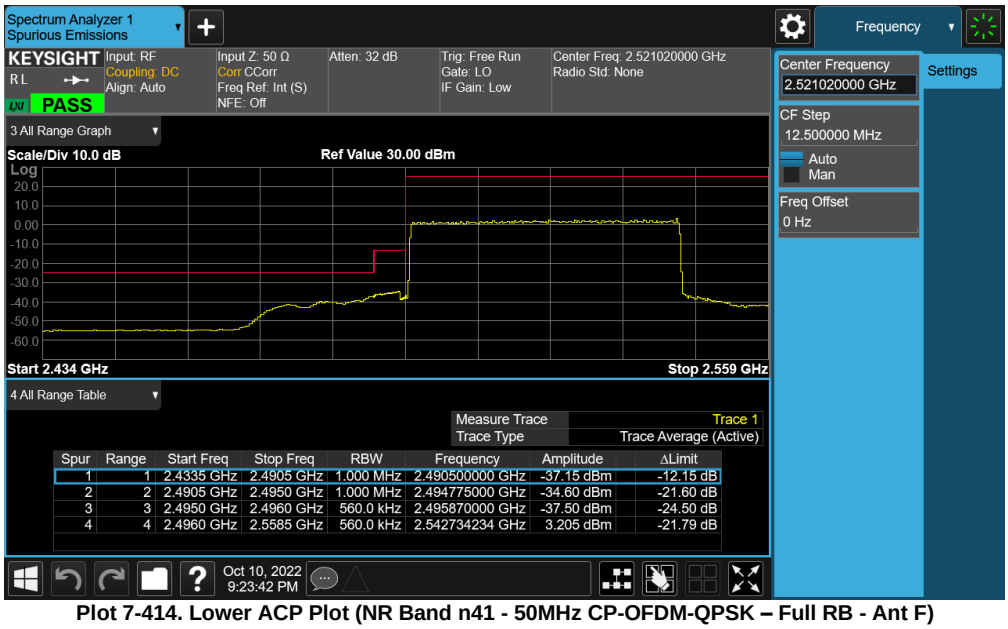
Plot 7-411. Upper ACP Plot (NR Band n41 - 80MHz CP-OFDM-QPSK – Full RB - Ant F)



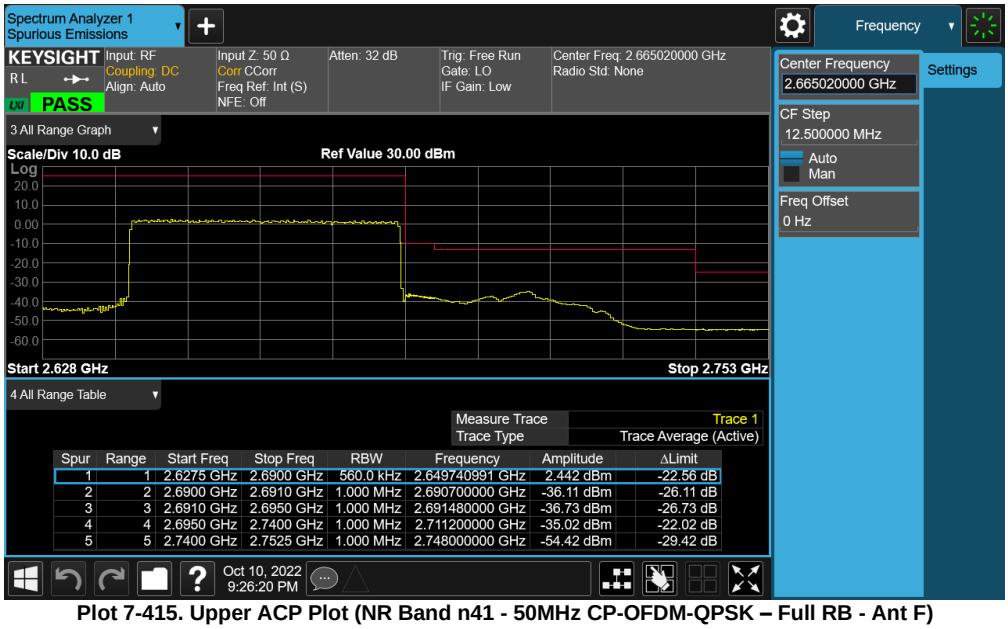
Plot 7-412. Lower ACP Plot (NR Band n41 - 60MHz CP-OFDM-QPSK – Full RB - Ant F)



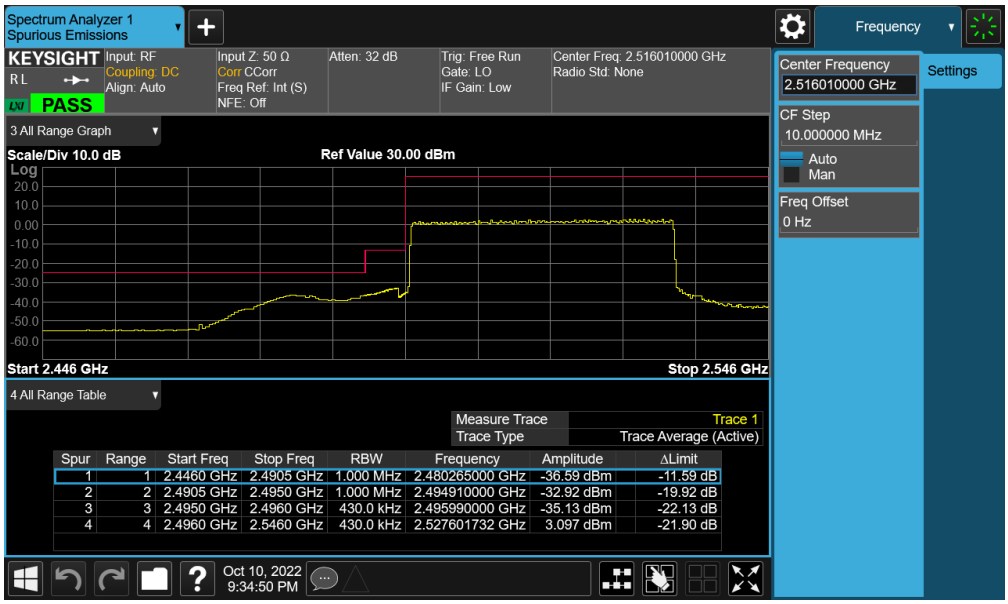
Plot 7-413. Upper ACP Plot (NR Band n41 - 60MHz CP-OFDM-QPSK – Full RB - Ant F)



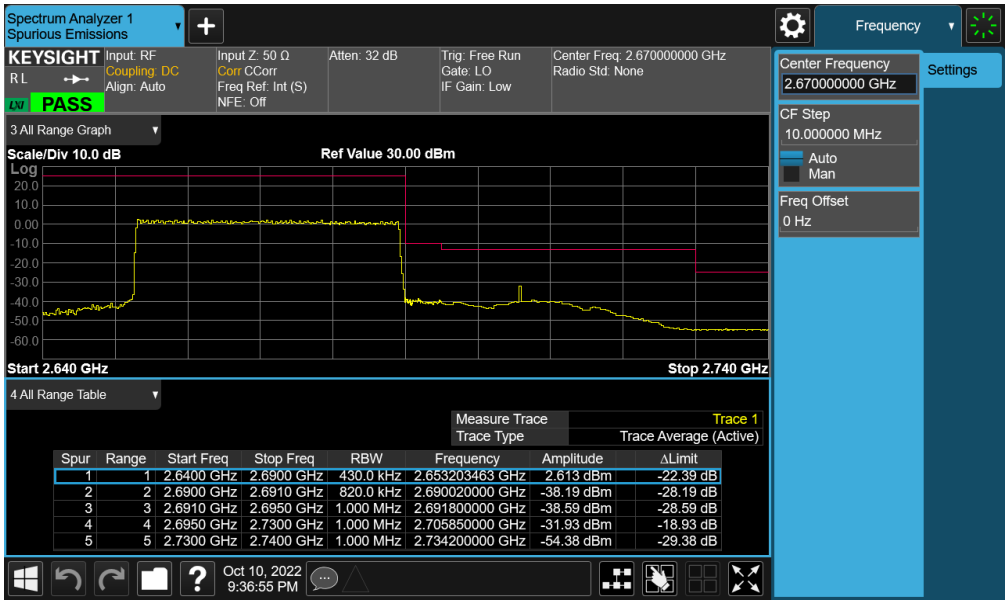
Plot 7-414. Lower ACP Plot (NR Band n41 - 50MHz CP-OFDM-QPSK – Full RB - Ant F)



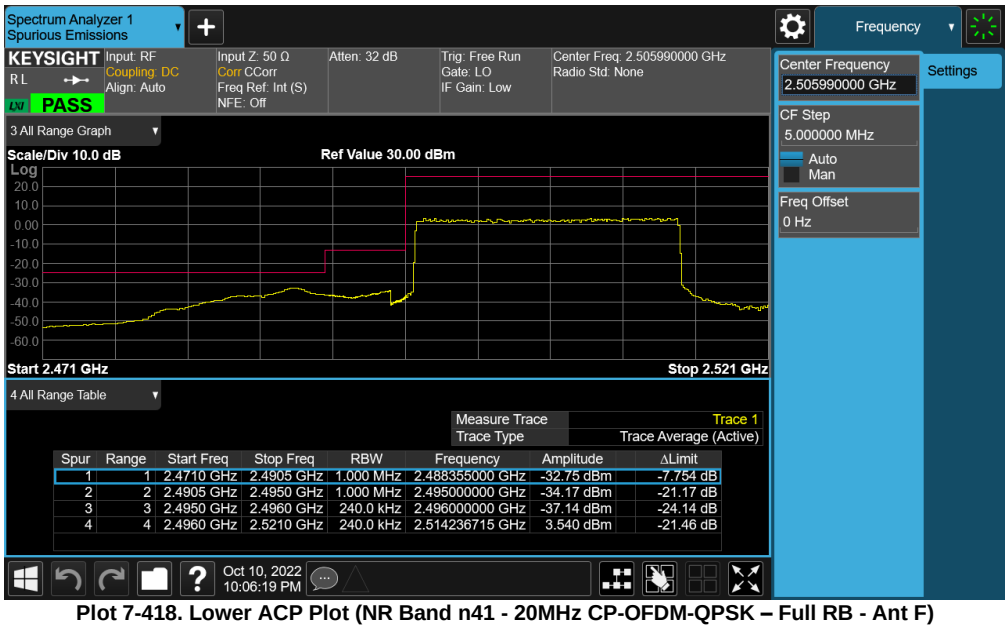
Plot 7-415. Upper ACP Plot (NR Band n41 - 50MHz CP-OFDM-QPSK – Full RB - Ant F)



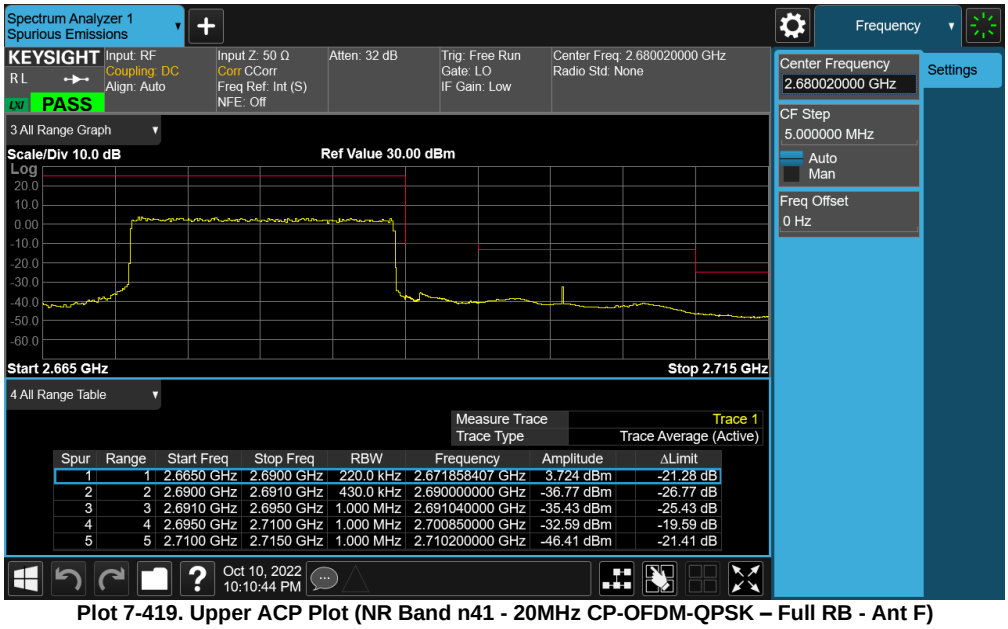
Plot 7-416. Lower ACP Plot (NR Band n41 - 40MHz CP-OFDM-QPSK – Full RB - Ant F)



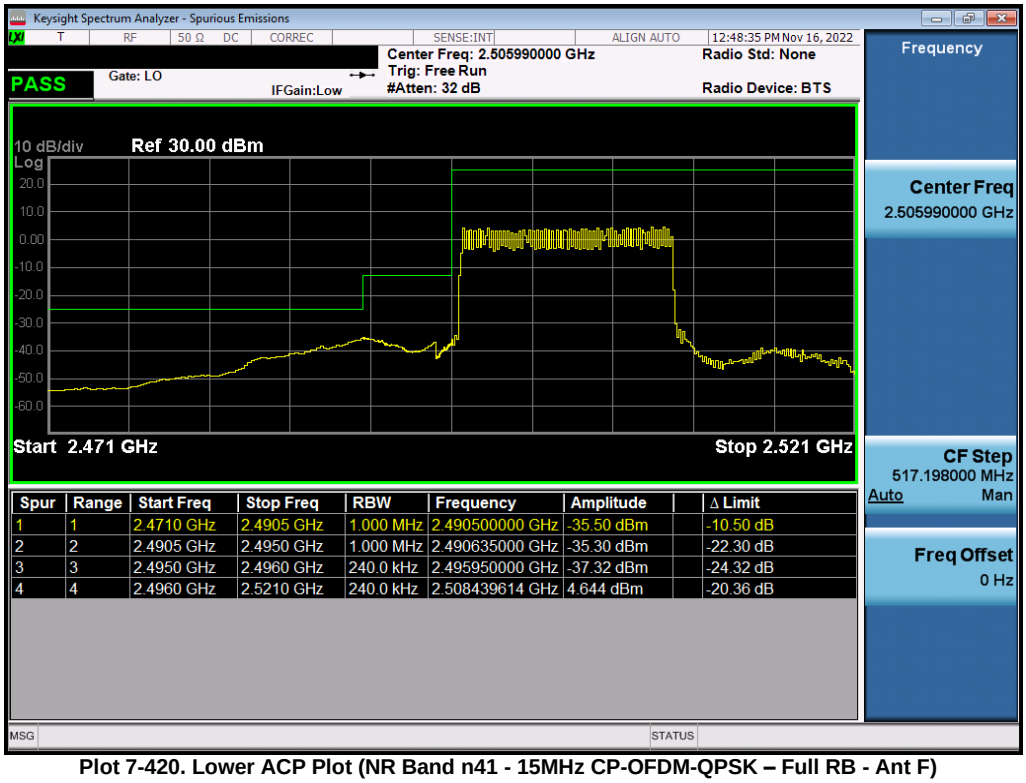
Plot 7-417. Upper ACP Plot (NR Band n41 - 40MHz CP-OFDM-QPSK – Full RB - Ant F)



Plot 7-418. Lower ACP Plot (NR Band n41 - 20MHz CP-OFDM-QPSK – Full RB - Ant F)

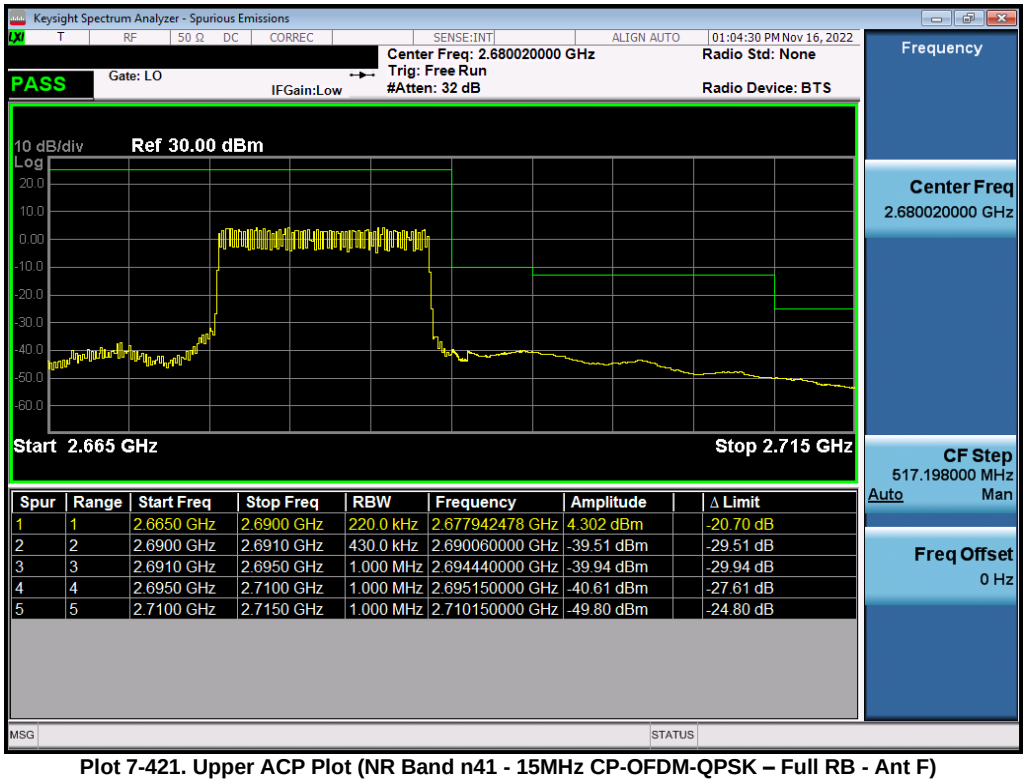


Plot 7-419. Upper ACP Plot (NR Band n41 - 20MHz CP-OFDM-QPSK – Full RB - Ant F)



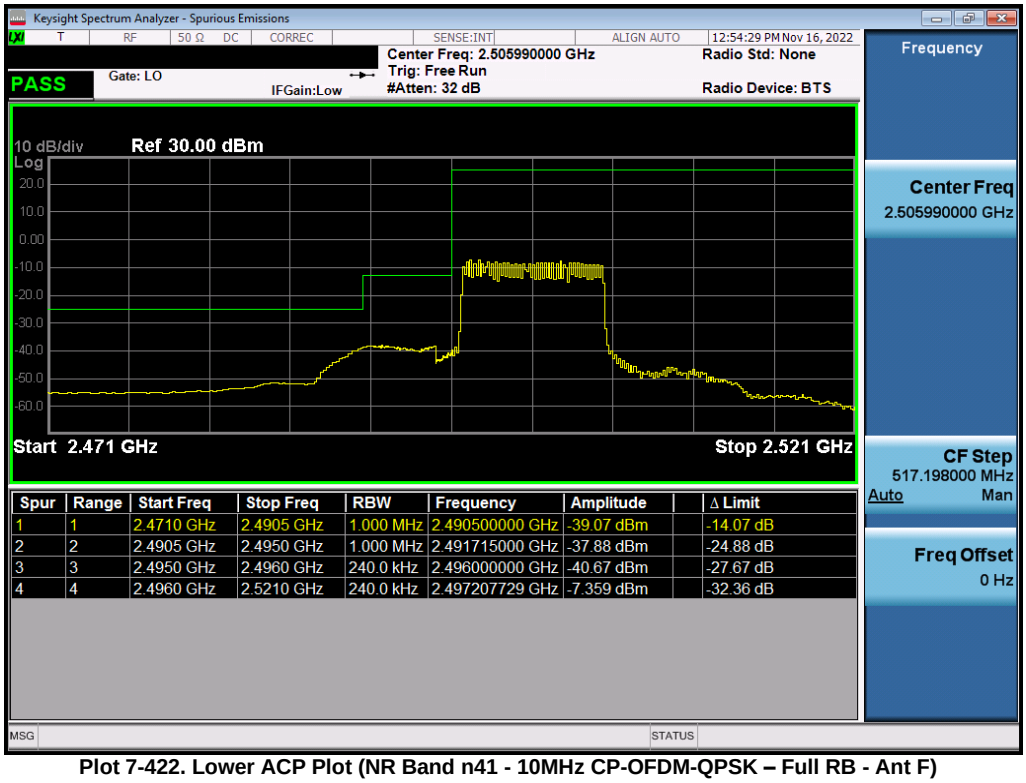
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4710 GHz	2.4905 GHz	1.000 MHz	2.490500000 GHz	-35.50 dBm	-10.50 dB
2	2	2.4905 GHz	2.4950 GHz	1.000 MHz	2.490635000 GHz	-35.30 dBm	-22.30 dB
3	3	2.4950 GHz	2.4960 GHz	240.0 kHz	2.495950000 GHz	-37.32 dBm	-24.32 dB
4	4	2.4960 GHz	2.5210 GHz	240.0 kHz	2.508439614 GHz	4.644 dBm	-20.36 dB

Plot 7-420. Lower ACP Plot (NR Band n41 - 15MHz CP-OFDM-QPSK – Full RB - Ant F)

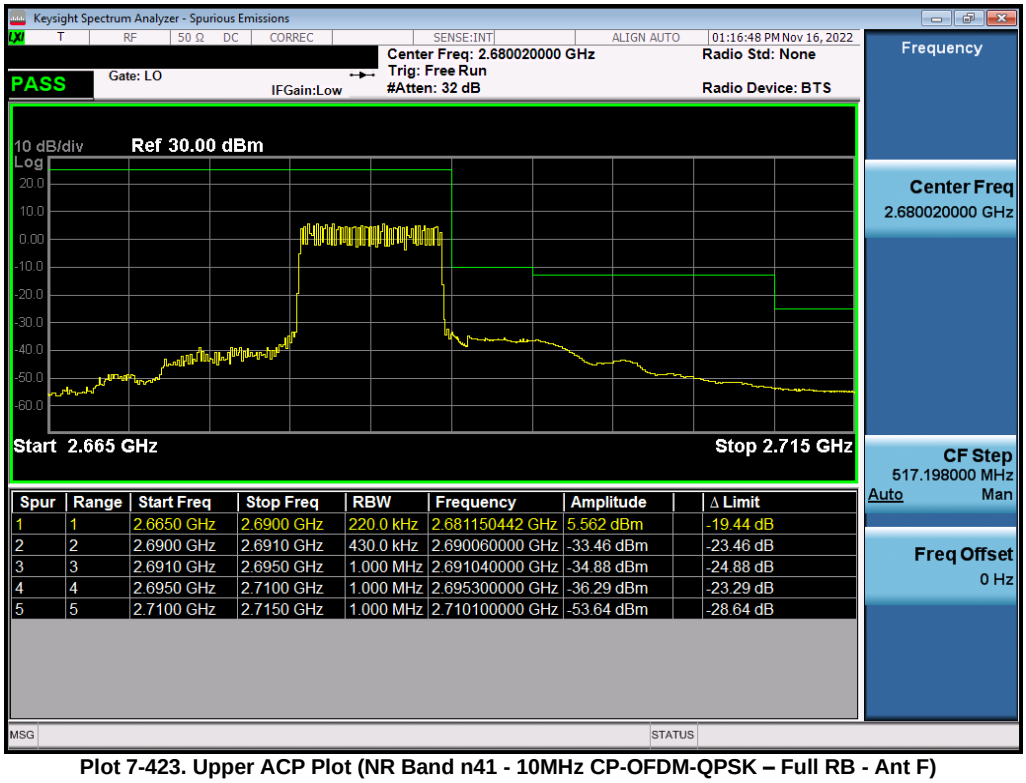


Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.6650 GHz	2.6900 GHz	220.0 kHz	2.677942478 GHz	4.302 dBm	-20.70 dB
2	2	2.6900 GHz	2.6910 GHz	430.0 kHz	2.690060000 GHz	-39.51 dBm	-29.51 dB
3	3	2.6910 GHz	2.6950 GHz	1.000 MHz	2.694440000 GHz	-39.94 dBm	-29.94 dB
4	4	2.6950 GHz	2.7100 GHz	1.000 MHz	2.695150000 GHz	-40.61 dBm	-27.61 dB
5	5	2.7100 GHz	2.7150 GHz	1.000 MHz	2.710150000 GHz	-49.80 dBm	-24.80 dB

Plot 7-421. Upper ACP Plot (NR Band n41 - 15MHz CP-OFDM-QPSK – Full RB - Ant F)

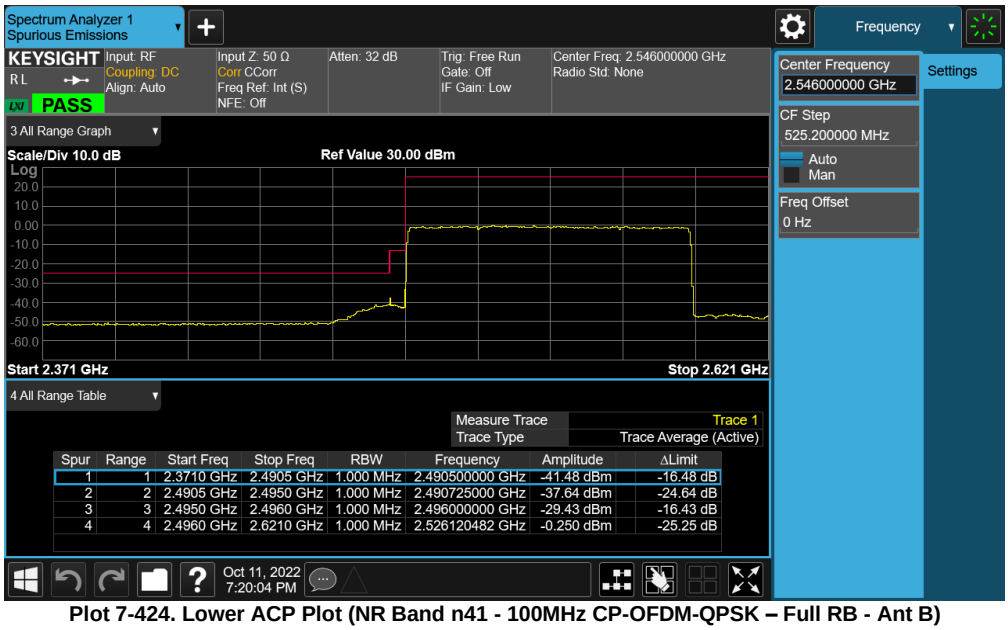


Plot 7-422. Lower ACP Plot (NR Band n41 - 10MHz CP-OFDM-QPSK – Full RB - Ant F)

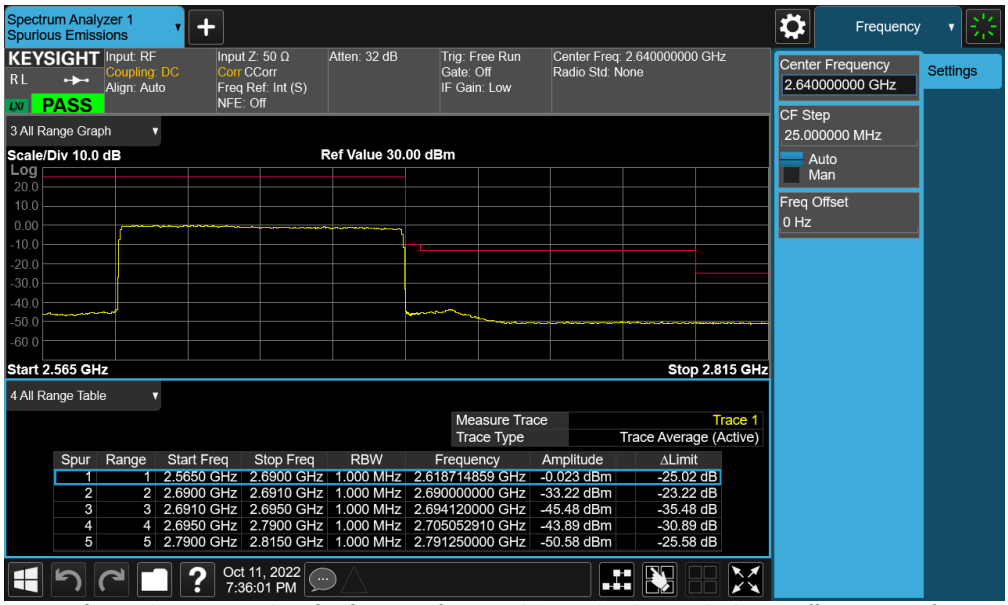


Plot 7-423. Upper ACP Plot (NR Band n41 - 10MHz CP-OFDM-QPSK – Full RB - Ant F)

NR Band n41 – Ant B

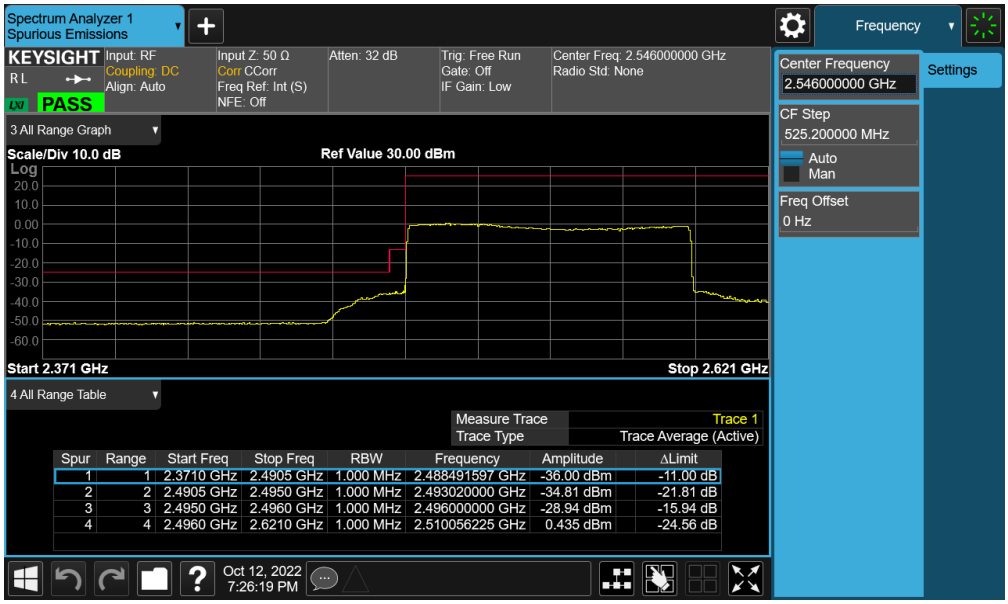


Plot 7-424. Lower ACP Plot (NR Band n41 - 100MHz CP-OFDM-QPSK – Full RB - Ant B)

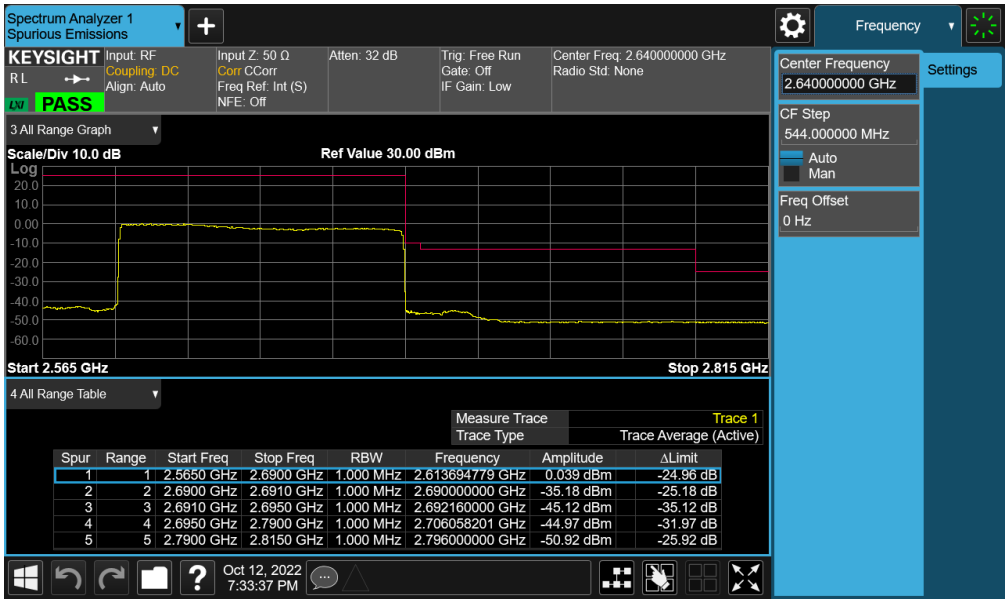


Plot 7-425. Upper ACP Plot (NR Band n41 - 100MHz CP-OFDM-QPSK – Full RB - Ant B)

NR Band n41 – Ant E

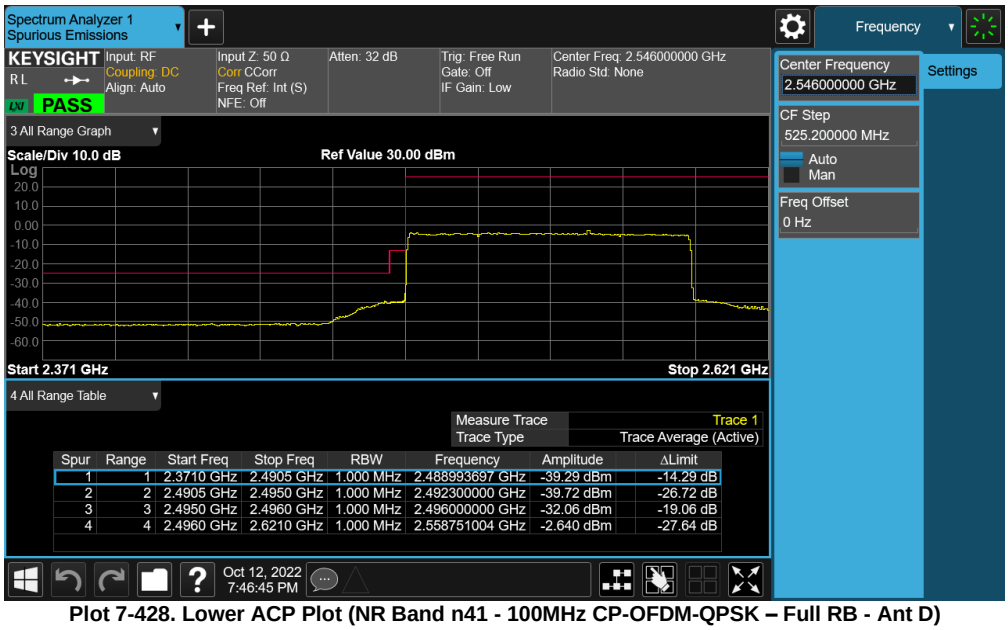


Plot 7-426. Lower ACP Plot (NR Band n41 - 100MHz CP-OFDM-QPSK – Full RB - Ant E)

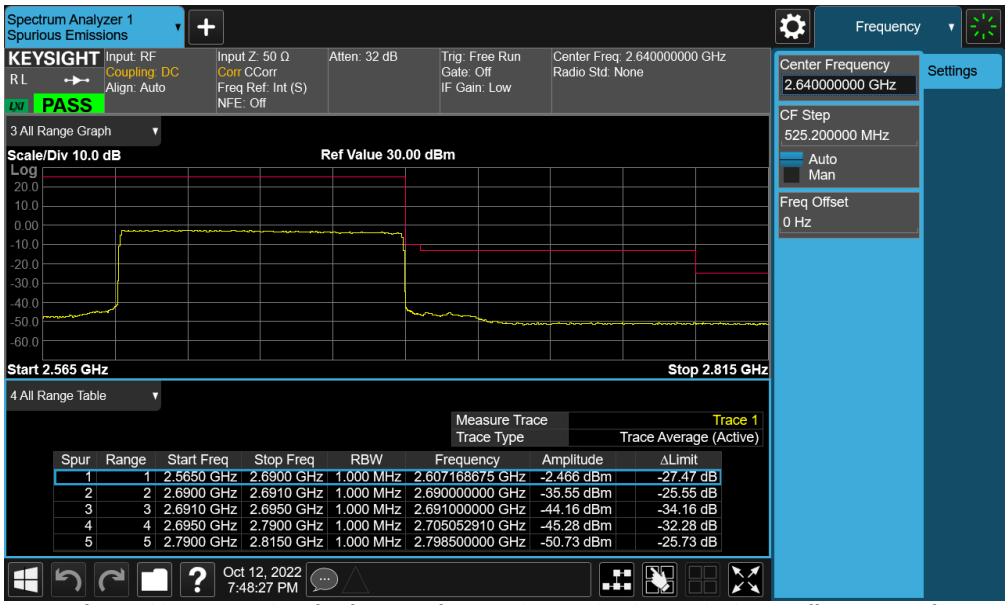


Plot 7-427. Upper ACP Plot (NR Band n41 - 100MHz CP-OFDM-QPSK – Full RB - Ant E)

NR Band n41 – Ant D

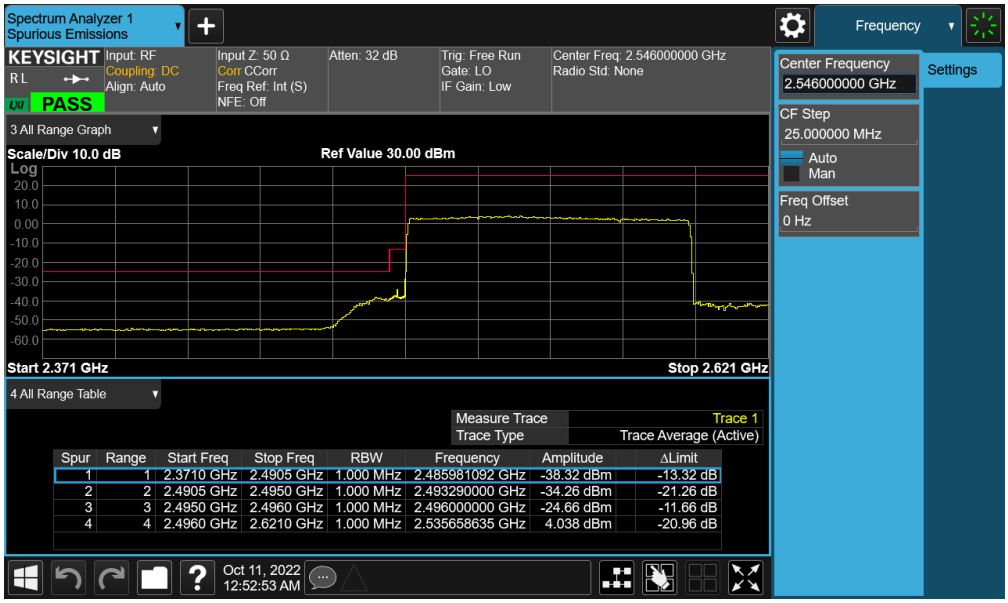


Plot 7-428. Lower ACP Plot (NR Band n41 - 100MHz CP-OFDM-QPSK – Full RB - Ant D)

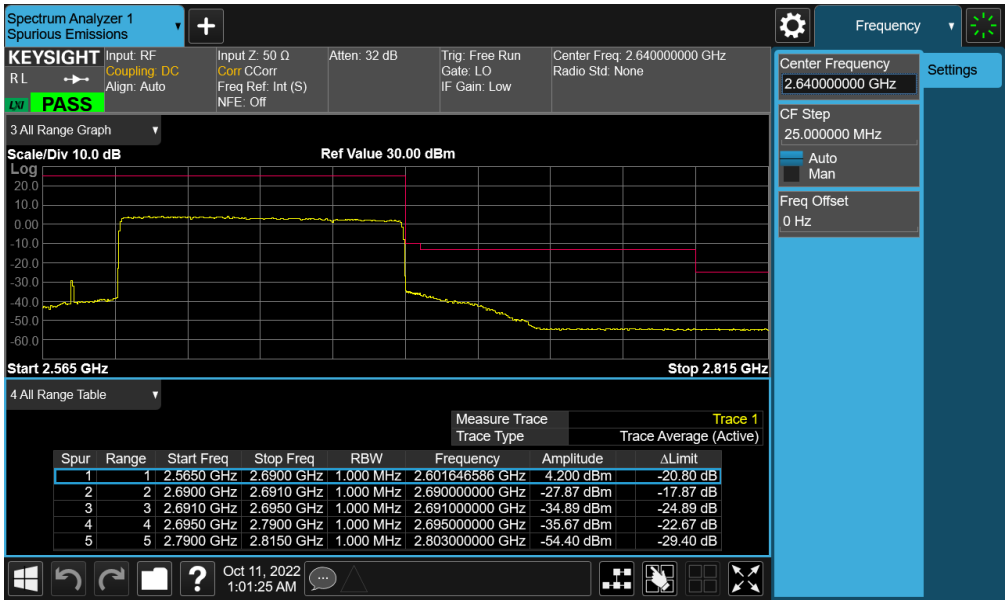


Plot 7-429. Upper ACP Plot (NR Band n41 - 100MHz CP-OFDM-QPSK – Full RB - Ant D)

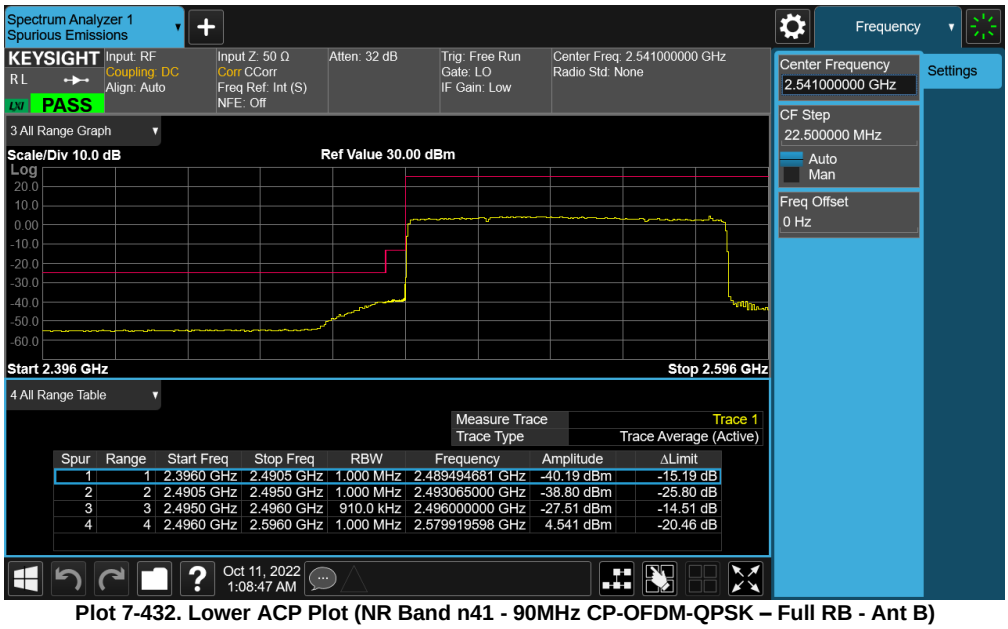
NR Band n41 – Switching Ant B



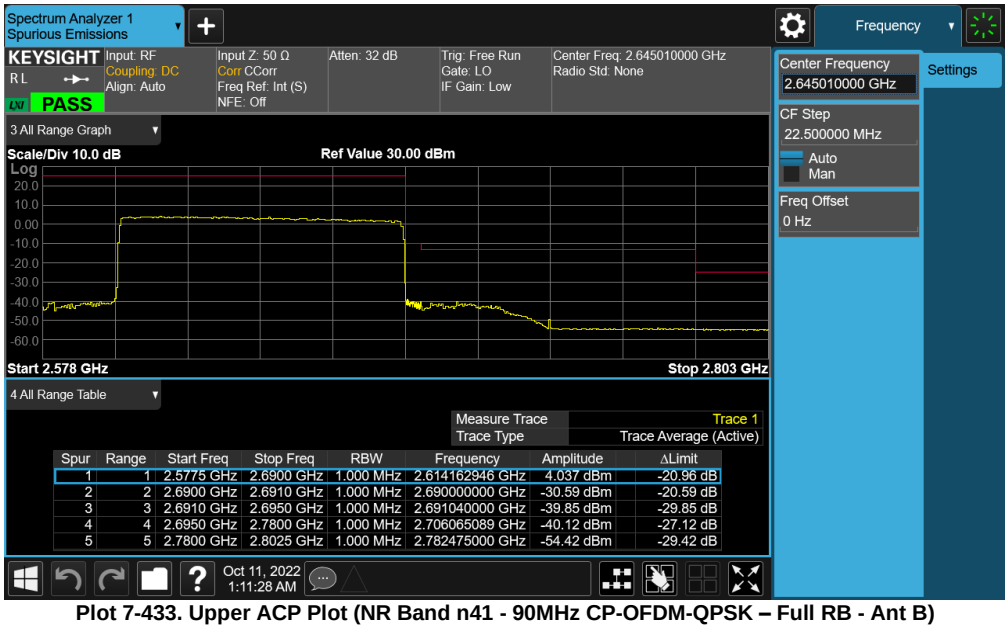
Plot 7-430. Lower ACP Plot (NR Band n41 - 100MHz CP-OFDM-QPSK – Full RB - Ant B)



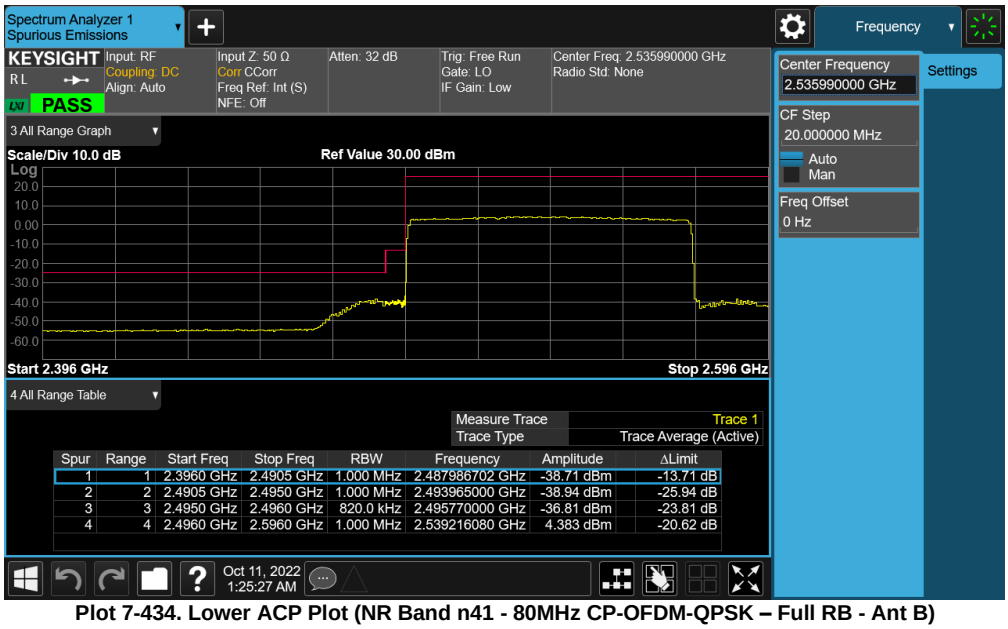
Plot 7-431. Upper ACP Plot (NR Band n41 - 100MHz CP-OFDM-QPSK – Full RB - Ant B)



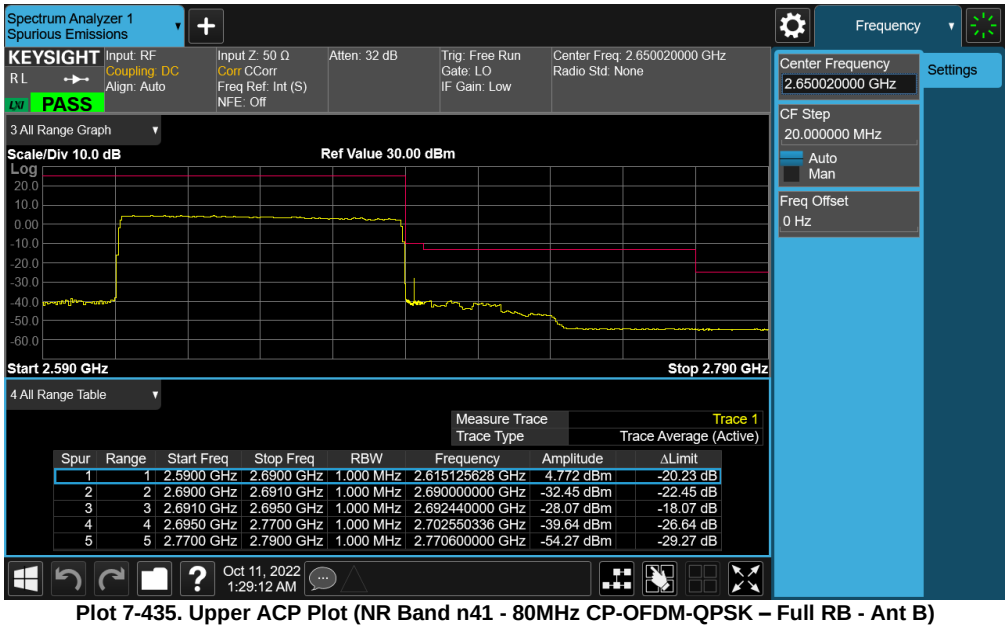
Plot 7-432. Lower ACP Plot (NR Band n41 - 90MHz CP-OFDM-QPSK – Full RB - Ant B)



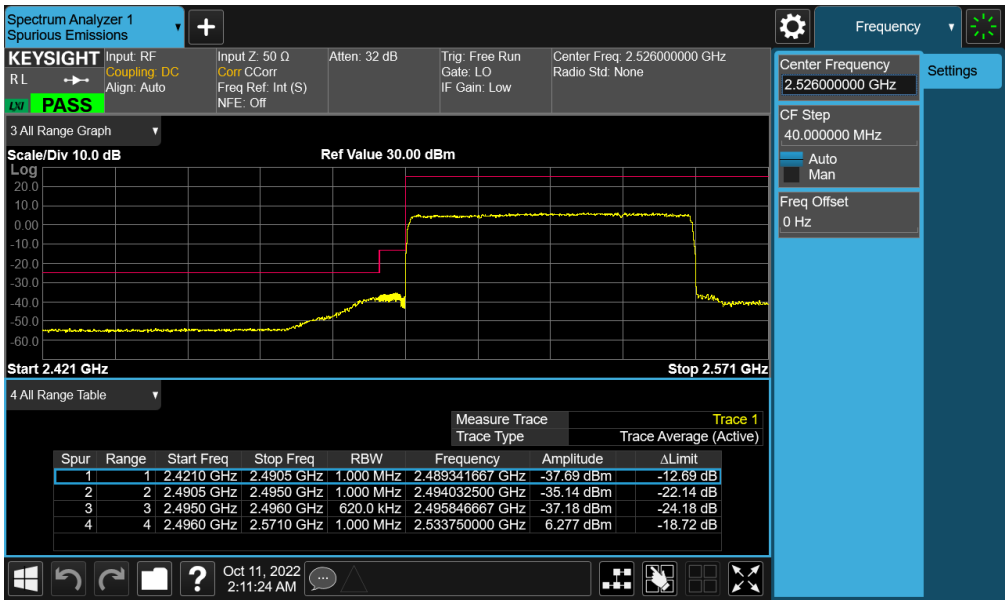
Plot 7-433. Upper ACP Plot (NR Band n41 - 90MHz CP-OFDM-QPSK – Full RB - Ant B)



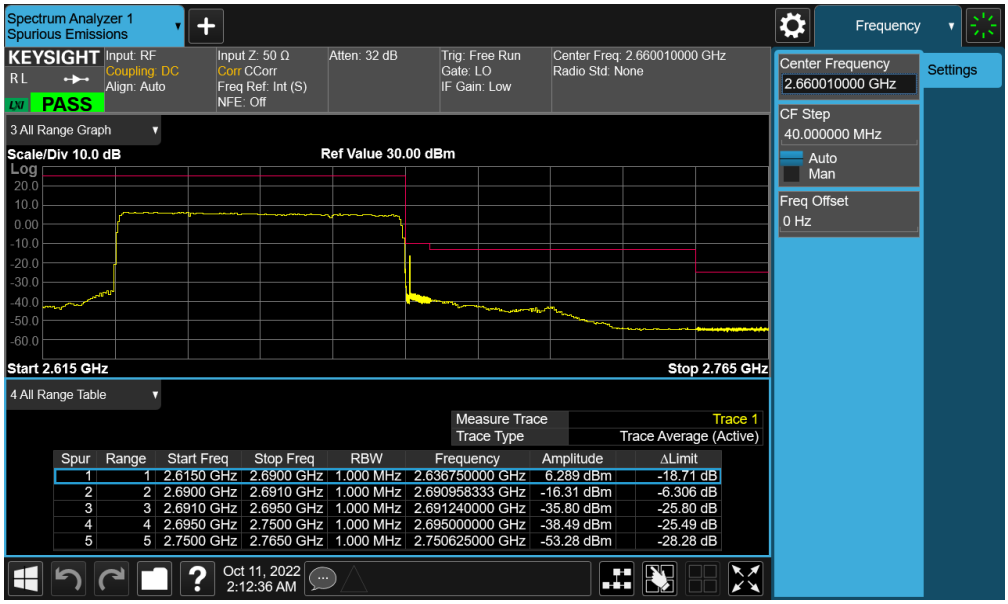
Plot 7-434. Lower ACP Plot (NR Band n41 - 80MHz CP-OFDM-QPSK – Full RB - Ant B)



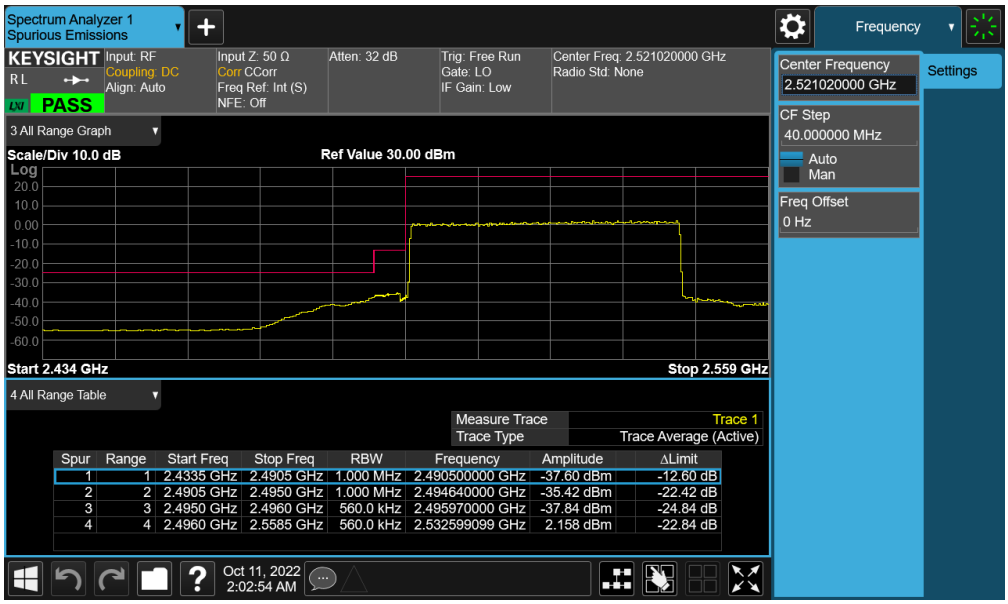
Plot 7-435. Upper ACP Plot (NR Band n41 - 80MHz CP-OFDM-QPSK – Full RB - Ant B)



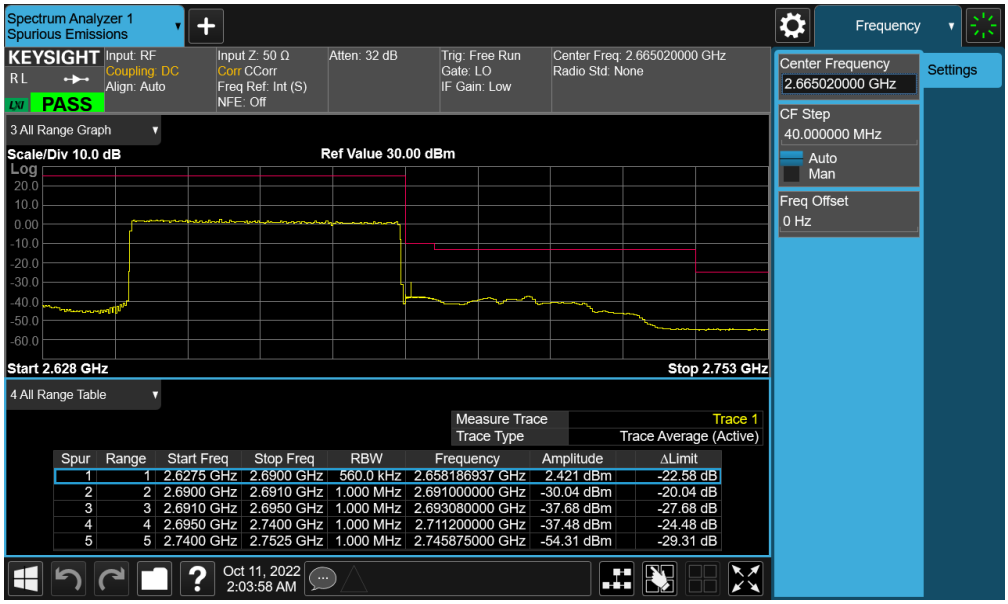
Plot 7-436. Lower ACP Plot (NR Band n41 - 60MHz CP-OFDM-QPSK – Full RB - Ant B)



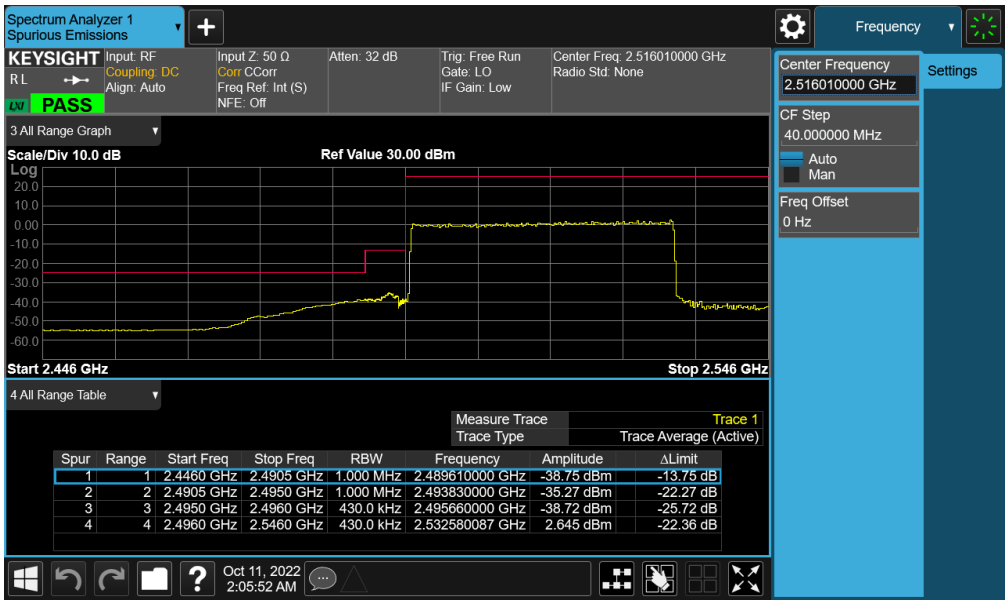
Plot 7-437. Upper ACP Plot (NR Band n41 - 60MHz CP-OFDM-QPSK – Full RB - Ant B)



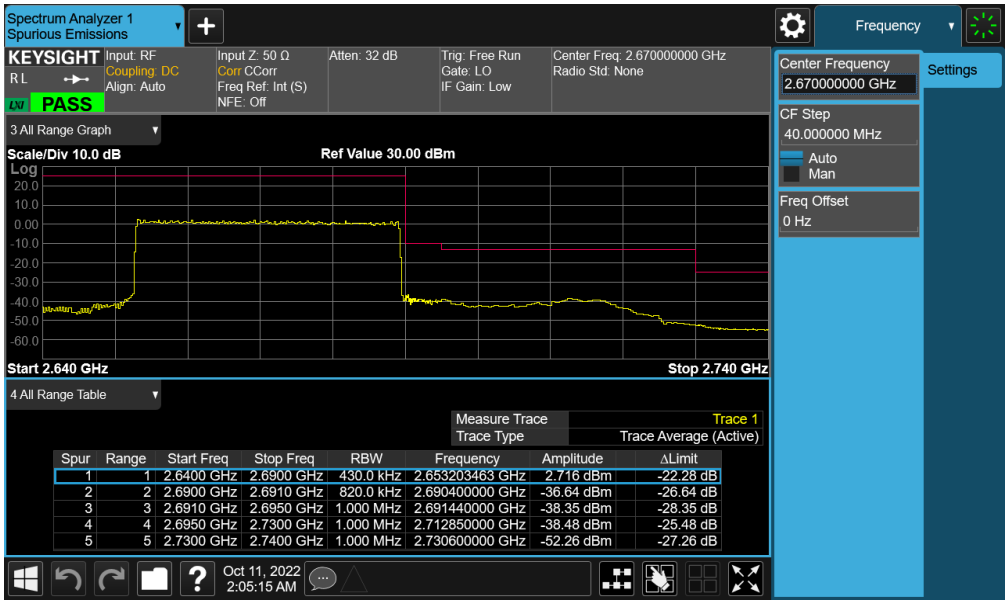
Plot 7-438. Lower ACP Plot (NR Band n41 - 50MHz CP-OFDM-QPSK – Full RB - Ant B)



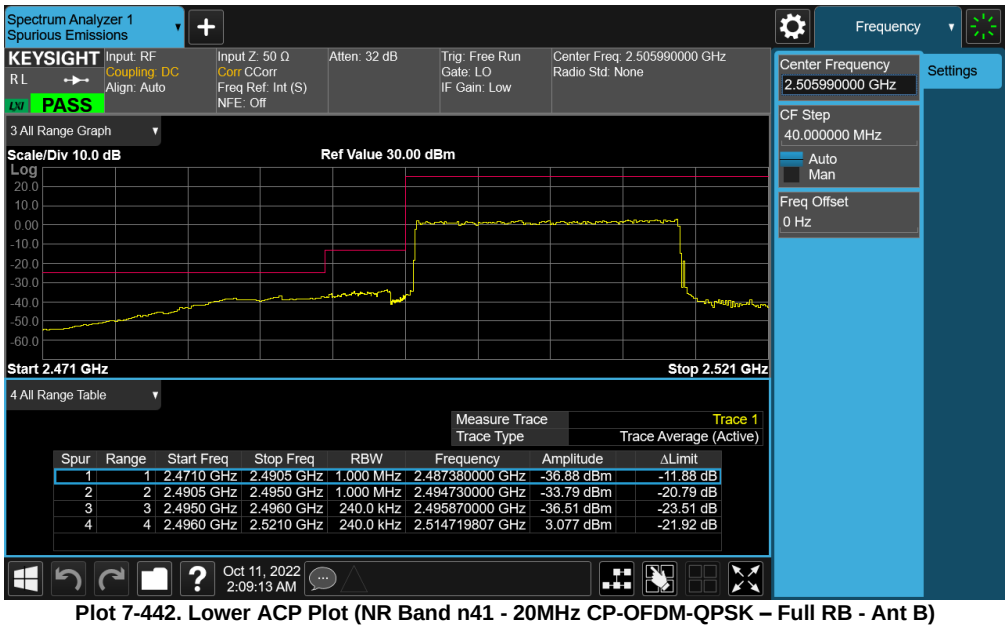
Plot 7-439. Upper ACP Plot (NR Band n41 - 50MHz CP-OFDM-QPSK – Full RB - Ant B)



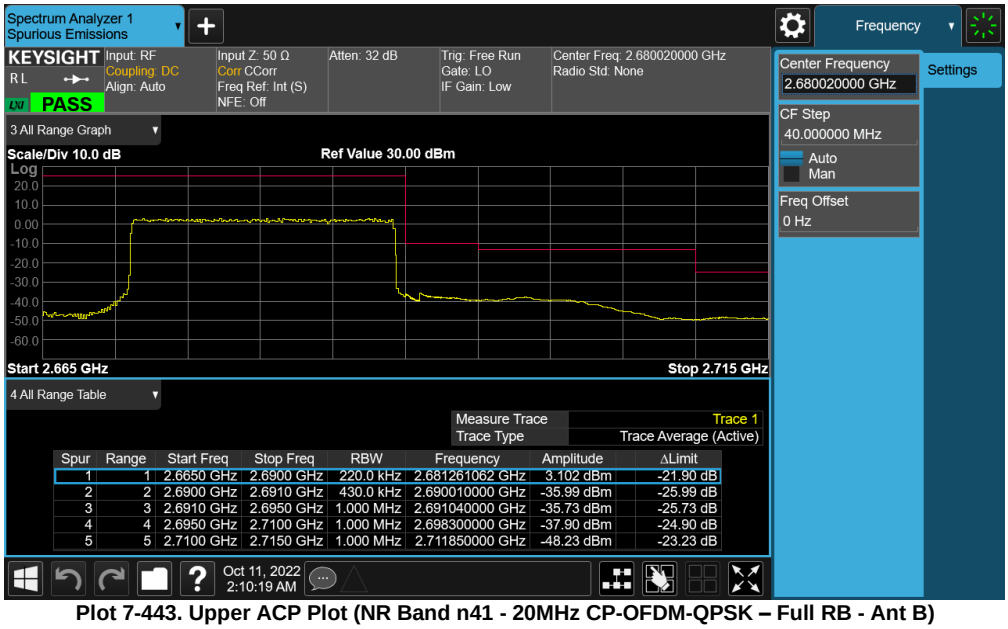
Plot 7-440. Lower ACP Plot (NR Band n41 - 40MHz CP-OFDM-QPSK – Full RB - Ant B)



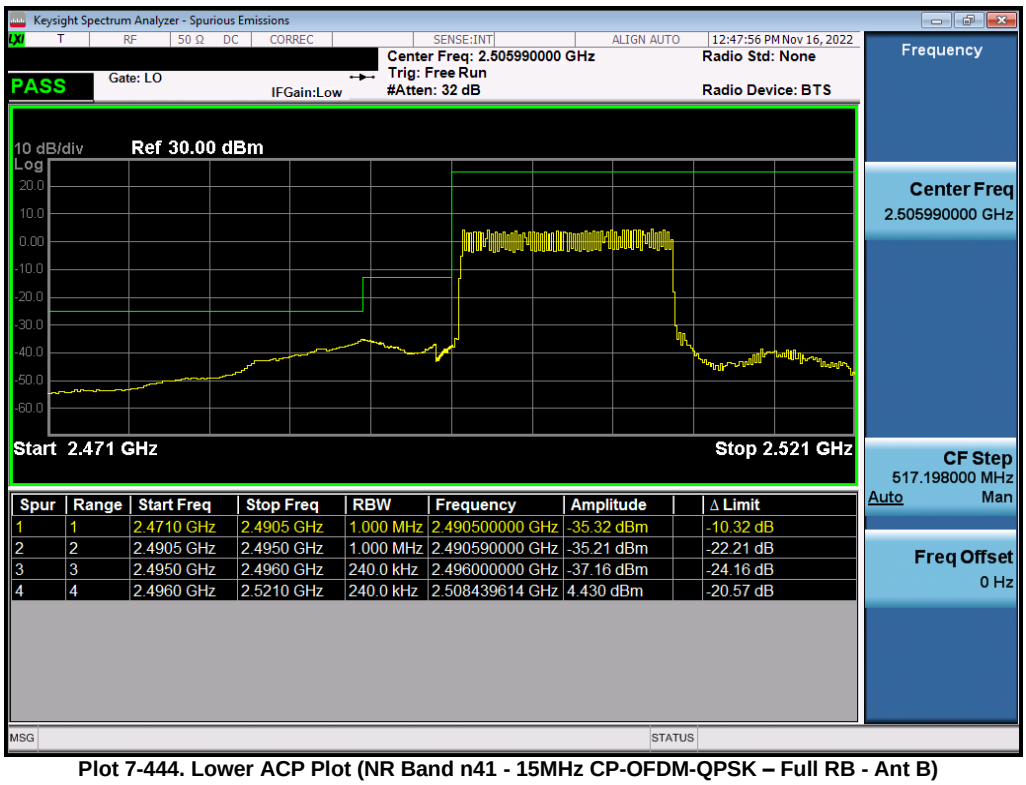
Plot 7-441. Upper ACP Plot (NR Band n41 - 40MHz CP-OFDM-QPSK – Full RB - Ant B)



Plot 7-442. Lower ACP Plot (NR Band n41 - 20MHz CP-OFDM-QPSK – Full RB - Ant B)

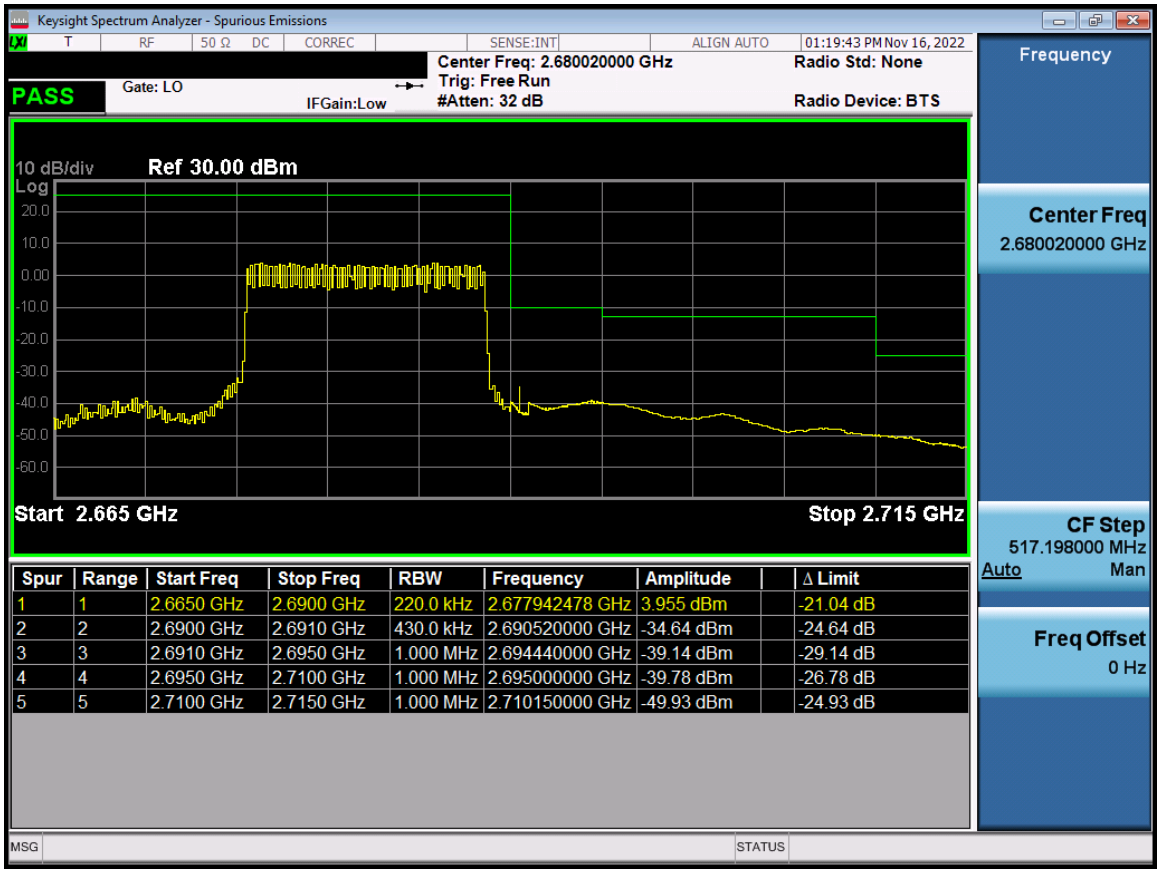


Plot 7-443. Upper ACP Plot (NR Band n41 - 20MHz CP-OFDM-QPSK – Full RB - Ant B)



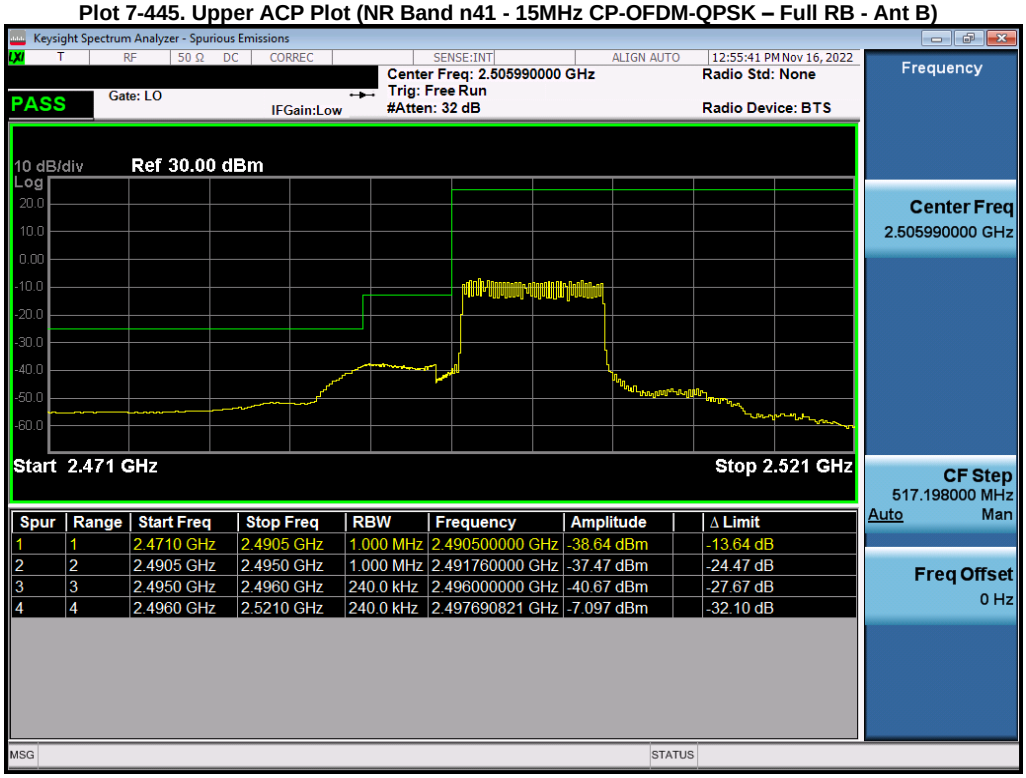
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4710 GHz	2.4905 GHz	1.000 MHz	2.490500000 GHz	-35.32 dBm	-10.32 dB
2	2	2.4905 GHz	2.4950 GHz	1.000 MHz	2.490590000 GHz	-35.21 dBm	-22.21 dB
3	3	2.4950 GHz	2.4960 GHz	240.0 kHz	2.496000000 GHz	-37.16 dBm	-24.16 dB
4	4	2.4960 GHz	2.5210 GHz	240.0 kHz	2.508439614 GHz	4.430 dBm	-20.57 dB

Plot 7-444. Lower ACP Plot (NR Band n41 - 15MHz CP-OFDM-QPSK – Full RB - Ant B)



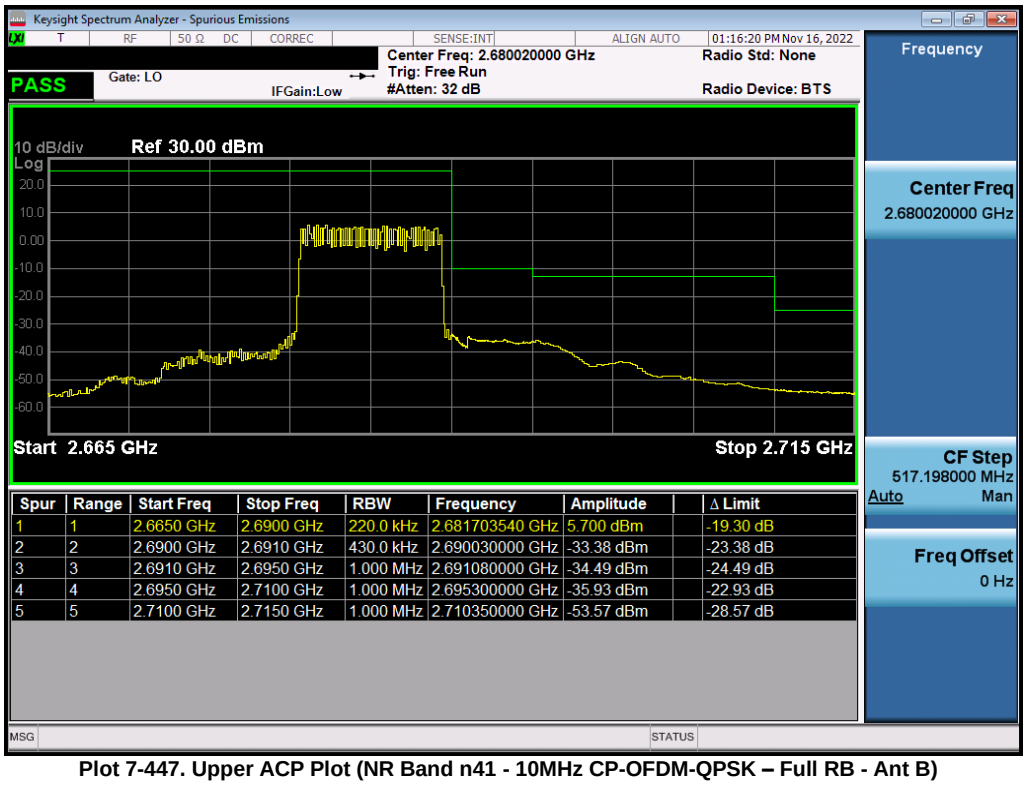
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.6650 GHz	2.6900 GHz	220.0 kHz	2.677942478 GHz	3.955 dBm	-21.04 dB
2	2	2.6900 GHz	2.6910 GHz	430.0 kHz	2.690520000 GHz	-34.64 dBm	-24.64 dB
3	3	2.6910 GHz	2.6950 GHz	1.000 MHz	2.694440000 GHz	-39.14 dBm	-29.14 dB
4	4	2.6950 GHz	2.7100 GHz	1.000 MHz	2.695000000 GHz	-39.78 dBm	-26.78 dB
5	5	2.7100 GHz	2.7150 GHz	1.000 MHz	2.710150000 GHz	-49.93 dBm	-24.93 dB

Plot 7-445. Upper ACP Plot (NR Band n41 - 15MHz CP-OFDM-QPSK – Full RB - Ant B)



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4710 GHz	2.4905 GHz	1.000 MHz	2.490500000 GHz	-38.64 dBm	-13.64 dB
2	2	2.4905 GHz	2.4950 GHz	1.000 MHz	2.491760000 GHz	-37.47 dBm	-24.47 dB
3	3	2.4950 GHz	2.4960 GHz	240.0 kHz	2.496000000 GHz	-40.67 dBm	-27.67 dB
4	4	2.4960 GHz	2.5210 GHz	240.0 kHz	2.497690821 GHz	-7.097 dBm	-32.10 dB

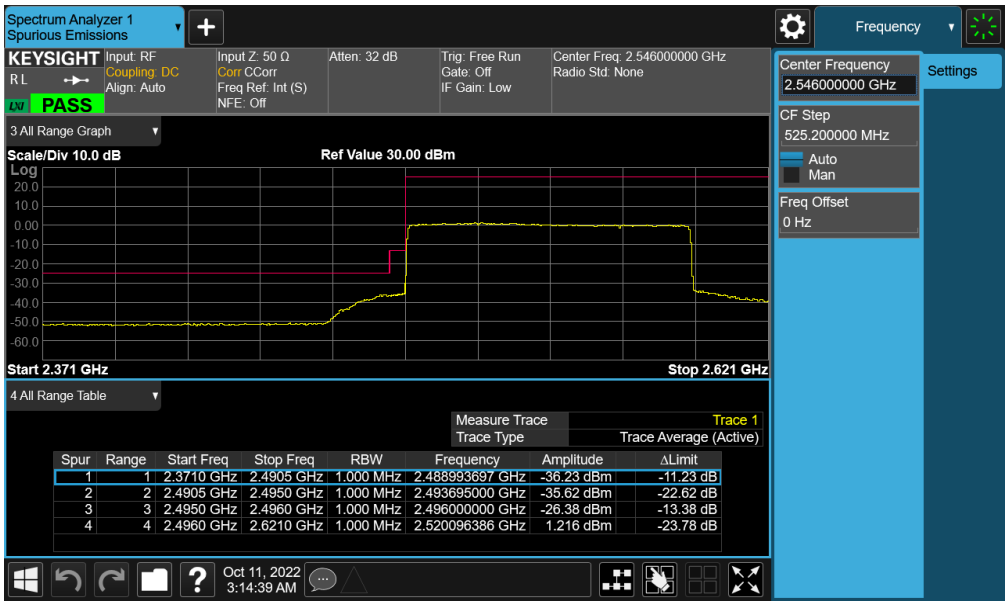
Plot 7-446. Lower ACP Plot (NR Band n41 - 10MHz CP-OFDM-QPSK – Full RB - Ant B)



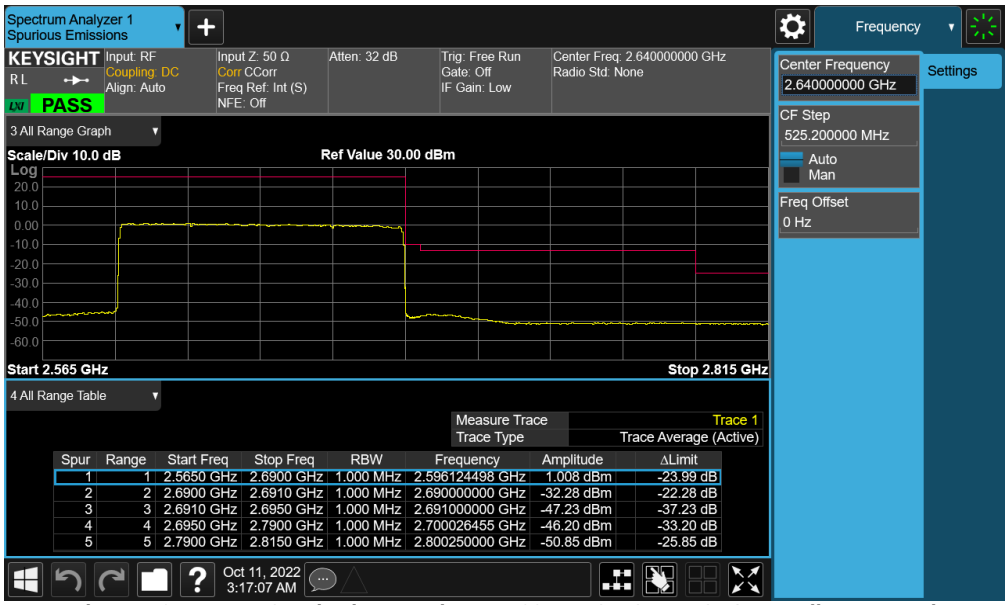
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.6650 GHz	2.6900 GHz	220.0 kHz	2.681703540 GHz	5.700 dBm	-19.30 dB
2	2	2.6900 GHz	2.6910 GHz	430.0 kHz	2.690030000 GHz	-33.38 dBm	-23.38 dB
3	3	2.6910 GHz	2.6950 GHz	1.000 MHz	2.691080000 GHz	-34.49 dBm	-24.49 dB
4	4	2.6950 GHz	2.7100 GHz	1.000 MHz	2.695300000 GHz	-35.93 dBm	-22.93 dB
5	5	2.7100 GHz	2.7150 GHz	1.000 MHz	2.710350000 GHz	-53.57 dBm	-28.57 dB

Plot 7-447. Upper ACP Plot (NR Band n41 - 10MHz CP-OFDM-QPSK – Full RB - Ant B)

NR Band n41 – Switching Ant F

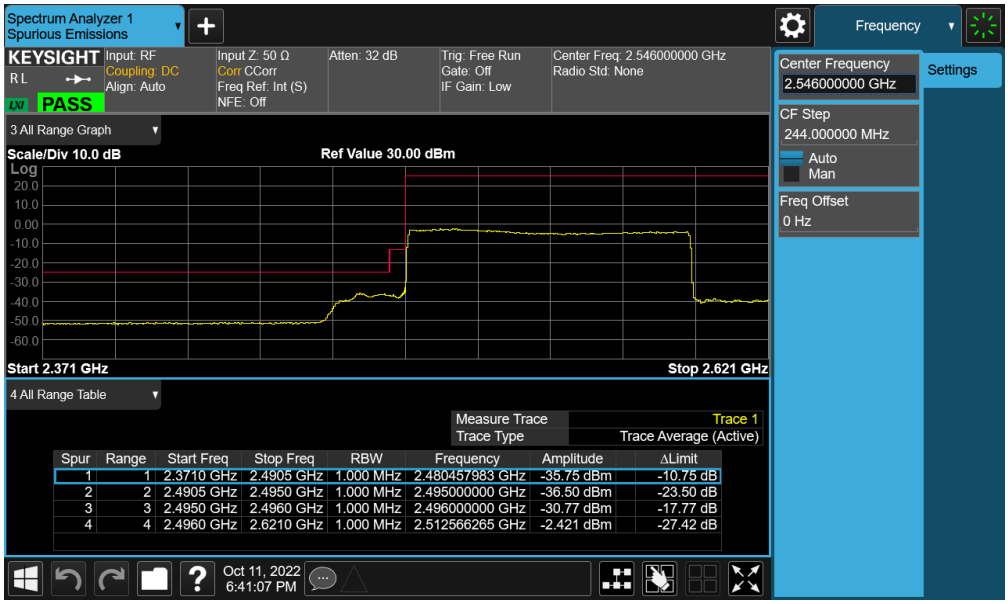


Plot 7-448. Lower ACP Plot (NR Band n41 - 100MHz CP-OFDM-QPSK – Full RB - Ant F)

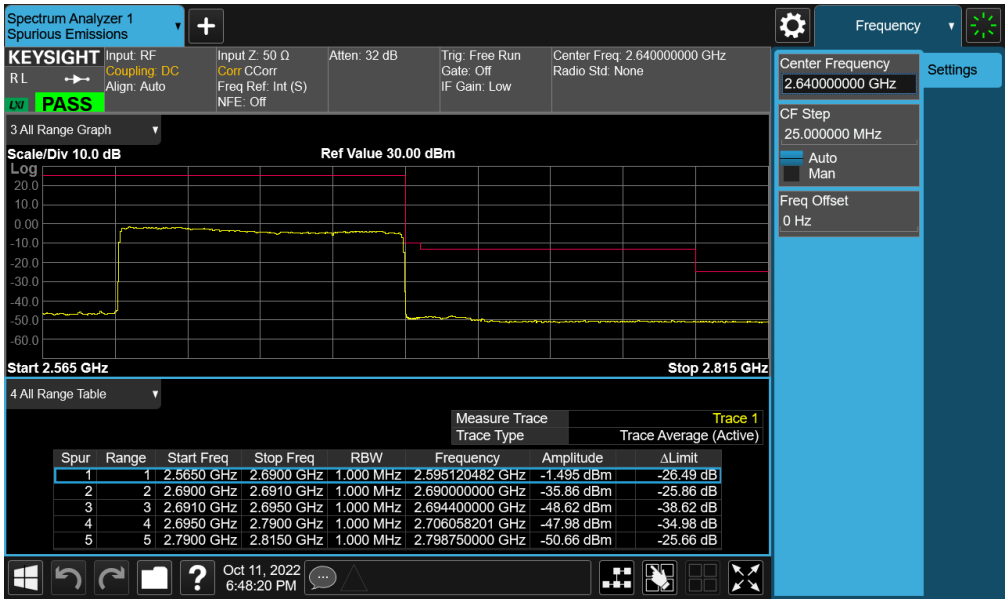


Plot 7-449. Upper ACP Plot (NR Band n41 - 100MHz CP-OFDM-QPSK – Full RB - Ant F)

NR Band n41 – Switching Ant D

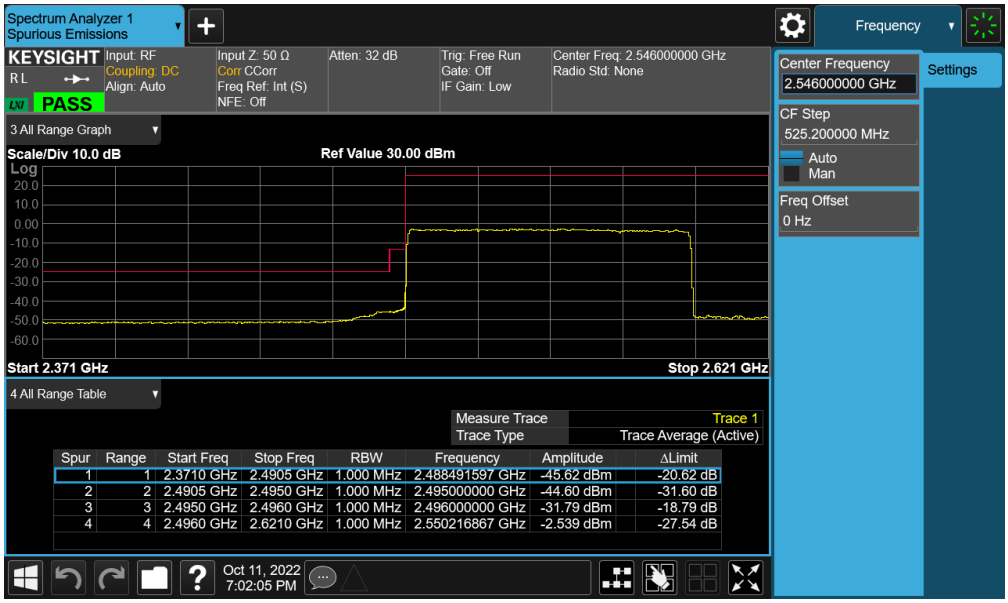


Plot 7-450. Lower ACP Plot (NR Band n41 - 100MHz CP-OFDM-QPSK – Full RB - Ant D)

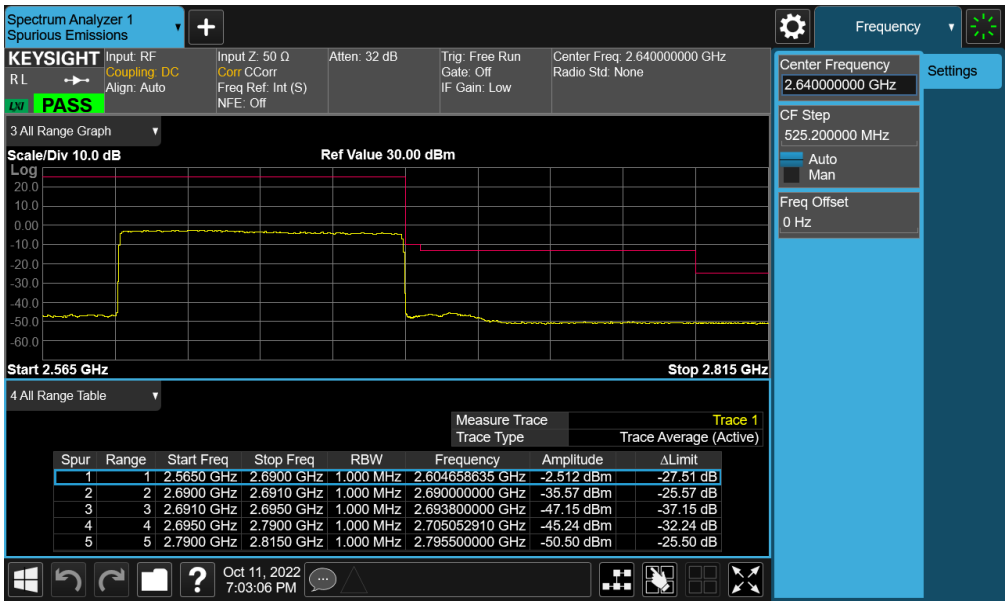


Plot 7-451. Upper ACP Plot (NR Band n41 - 100MHz CP-OFDM-QPSK – Full RB - Ant D)

NR Band n41 – Switching Ant E

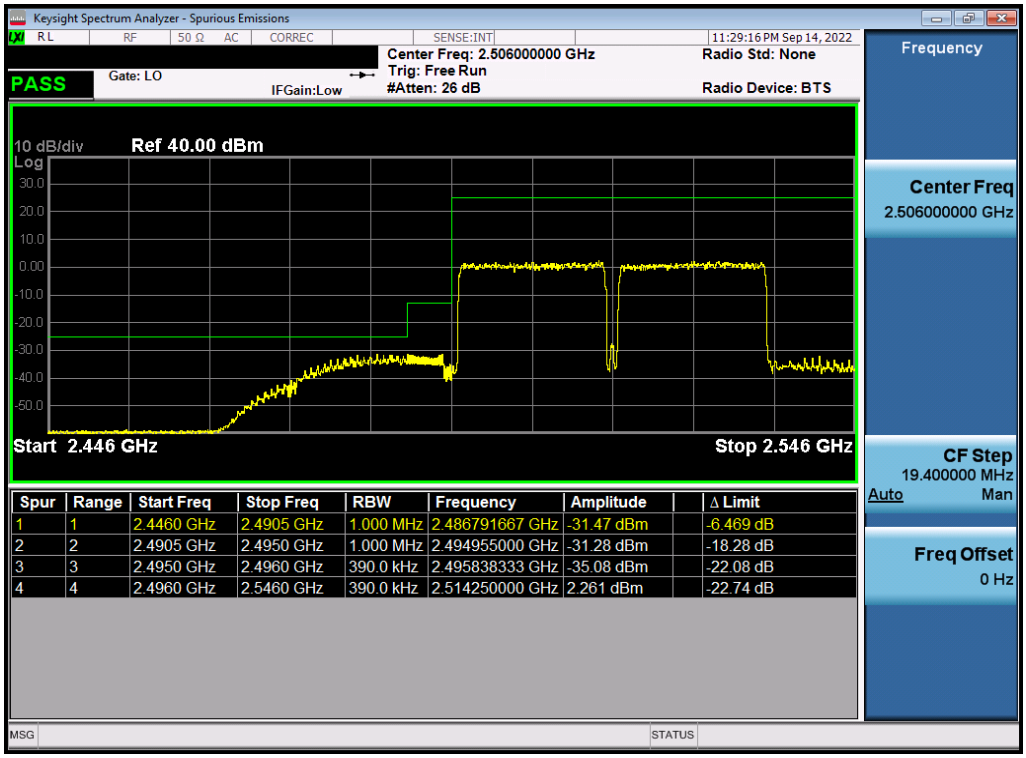


Plot 7-452. Lower ACP Plot (NR Band n41 - 100MHz CP-OFDM-QPSK – Full RB - Ant E)



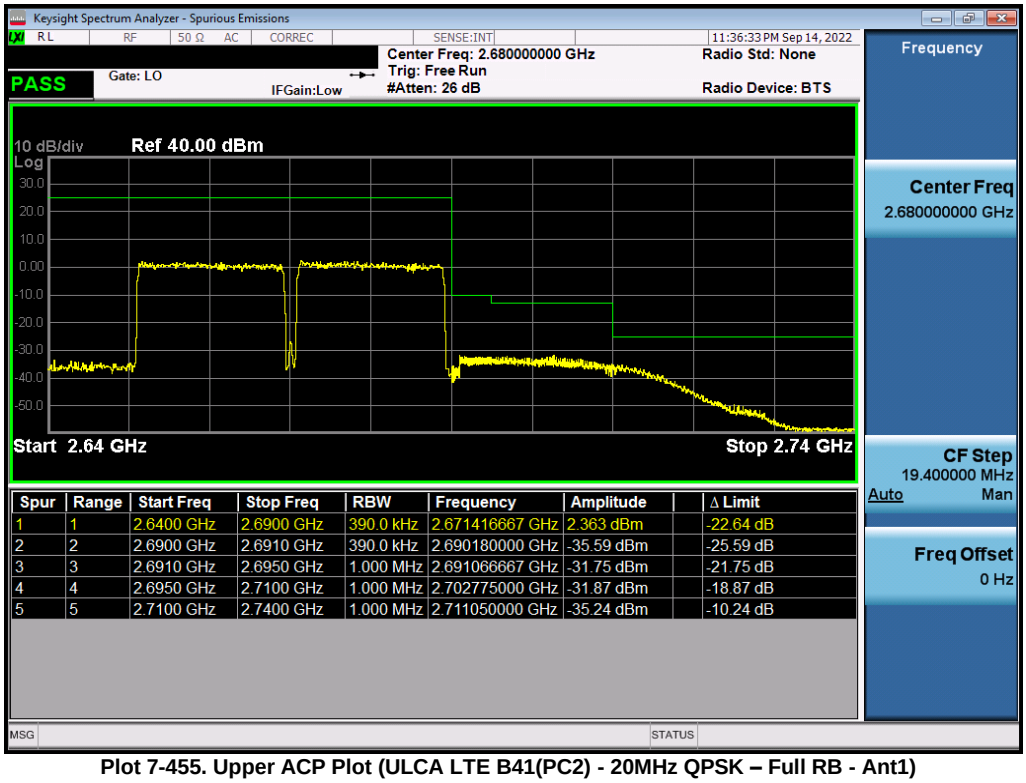
Plot 7-453. Upper ACP Plot (NR Band n41 - 100MHz CP-OFDM-QPSK – Full RB - Ant E)

ULCA - LTE Band 41(PC2) – Ant B



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4460 GHz	2.4905 GHz	1.000 MHz	2.486791667 GHz	-31.47 dBm	-6.469 dB
2	2	2.4905 GHz	2.4950 GHz	1.000 MHz	2.494955000 GHz	-31.28 dBm	-18.28 dB
3	3	2.4950 GHz	2.4960 GHz	390.0 kHz	2.495838333 GHz	-35.08 dBm	-22.08 dB
4	4	2.4960 GHz	2.5460 GHz	390.0 kHz	2.514250000 GHz	2.261 dBm	-22.74 dB

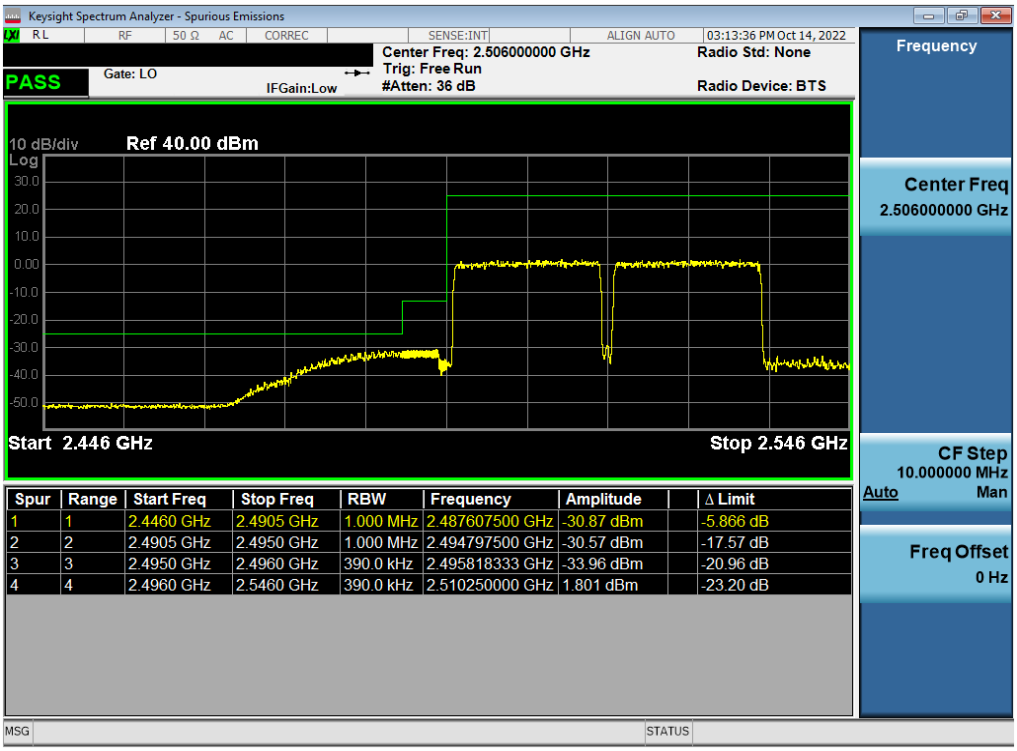
Plot 7-454. Lower ACP Plot (ULCA LTE B41(PC2) - 20MHz QPSK – Full RB - Ant1)



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.6400 GHz	2.6900 GHz	390.0 kHz	2.671416667 GHz	2.363 dBm	-22.64 dB
2	2	2.6900 GHz	2.6910 GHz	390.0 kHz	2.690180000 GHz	-35.59 dBm	-25.59 dB
3	3	2.6910 GHz	2.6950 GHz	1.000 MHz	2.691066667 GHz	-31.75 dBm	-21.75 dB
4	4	2.6950 GHz	2.7100 GHz	1.000 MHz	2.702775000 GHz	-31.87 dBm	-18.87 dB
5	5	2.7100 GHz	2.7400 GHz	1.000 MHz	2.711050000 GHz	-35.24 dBm	-10.24 dB

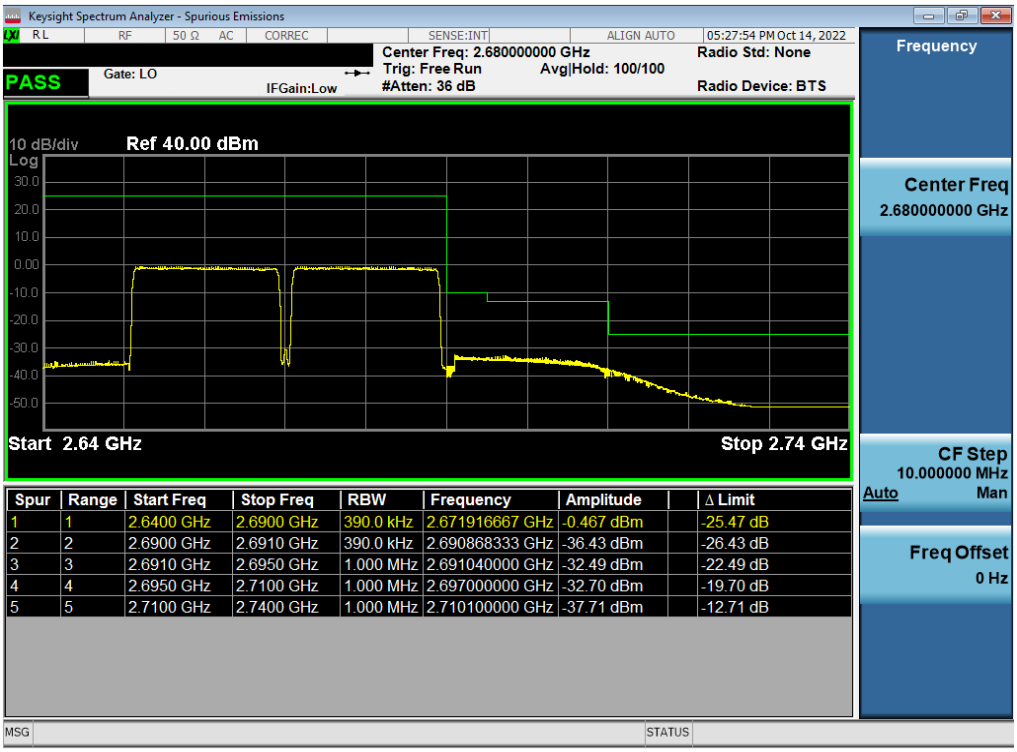
Plot 7-455. Upper ACP Plot (ULCA LTE B41(PC2) - 20MHz QPSK – Full RB - Ant1)

ULCA - LTE Band 41(PC2) – Ant F



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4460 GHz	2.4905 GHz	1.000 MHz	2.487607500 GHz	-30.87 dBm	-5.866 dB
2	2	2.4905 GHz	2.4950 GHz	1.000 MHz	2.494797500 GHz	-30.57 dBm	-17.57 dB
3	3	2.4950 GHz	2.4960 GHz	390.0 kHz	2.495818333 GHz	-33.96 dBm	-20.96 dB
4	4	2.4960 GHz	2.5460 GHz	390.0 kHz	2.510250000 GHz	1.801 dBm	-23.20 dB

Plot 7-456. Lower ACP Plot (ULCA LTE B41(PC2) - 20MHz QPSK – Full RB - Ant F)



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.6400 GHz	2.6900 GHz	390.0 kHz	2.671916667 GHz	-0.467 dBm	-25.47 dB
2	2	2.6900 GHz	2.6910 GHz	390.0 kHz	2.690868333 GHz	-36.43 dBm	-26.43 dB
3	3	2.6910 GHz	2.6950 GHz	1.000 MHz	2.691040000 GHz	-32.49 dBm	-22.49 dB
4	4	2.6950 GHz	2.7100 GHz	1.000 MHz	2.697000000 GHz	-32.70 dBm	-19.70 dB
5	5	2.7100 GHz	2.7400 GHz	1.000 MHz	2.710100000 GHz	-37.71 dBm	-12.71 dB

Plot 7-457. Upper ACP Plot (ULCA LTE B41(PC2) - 20MHz QPSK – Full RB - Ant F)

7.6 Radiated Power (EIRP)

Test Overview

Equivalent Isotropic Radiated Power (EIRP) measurements are performed using the substitution method described in ANSI C63.26-2015 with the EUT transmitting into an integral antenna. Measurements are performed using vertically and horizontally polarized broadband horn antennas. All measurements are performed as RMS average measurements while the EUT is operating at maximum power, and at the appropriate frequencies.

Test Procedures Used

ANSI C63.26-2015 – Section 5.2.4.4

Test Settings

1. Radiated power measurements are performed using the signal analyzer's "channel power" measurement capability for signals with continuous operation. For signals with burst transmission, the signal analyzer's "time domain power" measurement capability is used
2. RBW = 1 – 5% of the expected OBW, not to exceed 1MHz
3. VBW ≥ 3 x RBW
4. Span = 1.5 times the OBW
5. No. of sweep points ≥ 2 x span / RBW
6. Detector = RMS
7. Trigger is set to "free run" for signals with continuous operation with the sweep times set to "auto". Trigger is set to enable triggering only on full power bursts with the sweep time set less than or equal to the transmission burst duration.
8. The integration bandwidth was roughly set equal to the measured OBW of the signal for signals with continuous operation. For signals with burst transmission, the "gating" function was enabled to ensure that measurements are performed during times in which the transmitter is operating at its maximum power.
9. Trace mode = trace averaging (RMS) over 100 sweeps
10. The trace was allowed to stabilize.

Test Setup

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

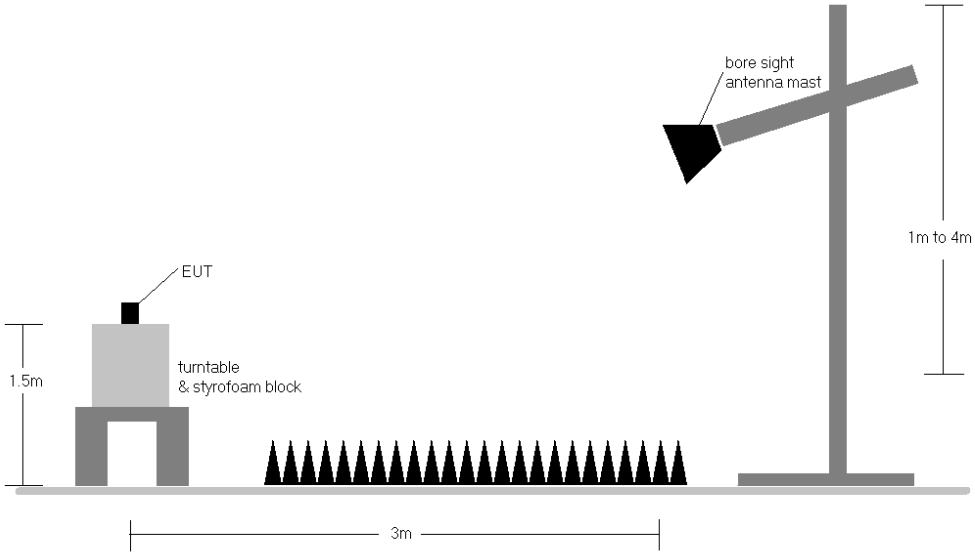


Figure 7-5. Radiated Test Setup >1GHz

Test Notes

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

2) This unit was tested with its standard battery.

3) For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst-case configuration. All modes of operation were investigated and the worst-case configuration results are reported in this section.

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	QPSK	2310.0	H	143	153	10.55	1 / 0	11.64	**22.19**	0.165	23.98	-1.79
	16-QAM	2310.0	H	143	153	10.55	1 / 0	11.08	21.63	0.145	23.98	-2.35
5 MHz	QPSK	2307.5	H	143	153	10.52	1 / 0	11.73	22.25	0.168	23.98	-1.73
	QPSK	2310.0	H	143	153	10.55	1 / 12	11.67	22.22	0.167	23.98	-1.76
	QPSK	2312.5	H	143	153	10.56	1 / 24	11.72	**22.28**	0.169	23.98	-1.70
	16-QAM	2310.0	H	143	153	10.55	1 / 12	11.11	21.66	0.147	23.98	-2.32
10 MHz	Opposite Pol.	2310.0	V	153	94	10.55	1 / 0	11.35	21.90	0.155	23.98	-2.08
	WCP	2310.0	H	134	22	10.55	1 / 0	10.59	21.14	0.130	23.98	-2.84

Table 7-12. EIRP Data (LTE Band 30 – Ant A)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	QPSK	2310.0	V	105	315	10.37	1 / 25	11.23	**21.60**	0.145	23.98	-2.38
	16-QAM	2310.0	V	105	315	10.37	1 / 25	10.20	20.57	0.114	23.98	-3.41
5 MHz	QPSK	2307.5	V	105	315	10.36	1 / 0	11.10	21.46	0.140	23.98	-2.52
	QPSK	2310.0	V	105	315	10.37	1 / 24	11.26	21.63	0.146	23.98	-2.35
	QPSK	2312.5	V	105	315	10.36	1 / 12	11.27	**21.63**	0.146	23.98	-2.35
	16-QAM	2312.5	V	105	315	10.36	1 / 12	10.25	20.61	0.115	23.98	-3.37
10 MHz	Opposite Pol.	2310.0	H	397	232	10.55	1 / 25	8.05	18.60	0.072	23.98	-5.38
	WCP	2310.0	H	122	322	10.55	1 / 25	9.15	19.70	0.093	23.98	-4.28

Table 7-13. EIRP Data (LTE Band 30 – Ant B)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz	QPSK	2510.0	H	133	155	9.51	1 / 99	13.90	23.41	0.219	33.01	-9.60
	QPSK	2535.0	H	141	144	9.40	1 / 50	15.15	**24.55**	0.285	33.01	-8.46
	QPSK	2560.0	H	169	125	9.43	1 / 50	13.93	23.36	0.217	33.01	-9.65
	16-QAM	2535.0	H	141	144	9.40	1 / 50	14.84	24.24	0.266	33.01	-8.77
15 MHz	QPSK	2507.5	H	133	155	9.50	1 / 37	13.90	23.40	0.219	33.01	-9.61
	QPSK	2535.0	H	141	144	9.40	1 / 37	15.31	**24.71**	0.296	33.01	-8.30
	QPSK	2562.5	H	169	125	9.43	1 / 0	13.97	23.40	0.219	33.01	-9.61
	16-QAM	2535.0	H	141	144	9.40	1 / 0	14.80	24.21	0.263	33.01	-8.80
10 MHz	QPSK	2505.0	H	133	155	9.50	1 / 0	14.03	23.53	0.225	33.01	-9.48
	QPSK	2535.0	H	141	144	9.40	1 / 49	15.41	**24.81**	0.303	33.01	-8.20
	QPSK	2565.0	H	169	125	9.42	1 / 25	14.00	23.42	0.220	33.01	-9.59
	16-QAM	2535.0	H	141	144	9.40	1 / 25	15.30	24.70	0.295	33.01	-8.31
5 MHz	QPSK	2502.5	H	133	155	9.49	1 / 12	14.07	23.56	0.227	33.01	-9.45
	QPSK	2535.0	H	141	144	9.40	1 / 24	15.34	**24.75**	0.298	33.01	-8.26
	QPSK	2567.5	H	169	125	9.42	1 / 12	14.20	23.62	0.230	33.01	-9.39
	16-QAM	2535.0	H	141	144	9.40	1 / 24	14.98	24.38	0.274	33.01	-8.63
20 MHz	Opposite Pol.	2535.0	V	119	101	10.37	1 / 99	9.88	20.25	0.106	33.01	-12.76
	WCP	2535.0	H	132	319	10.55	1 / 99	10.47	21.02	0.126	33.01	-11.99

Table 7-14. EIRP Data (LTE Band 7 – Ant B)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz	QPSK	2510.0	V	123	25	9.54	1 / 99	13.99	**23.53**	0.226	33.01	-9.48
	QPSK	2535.0	V	134	32	9.49	1 / 99	13.72	23.21	0.210	33.01	-9.80
	QPSK	2560.0	V	112	38	9.40	1 / 99	13.55	22.95	0.197	33.01	-10.06
	16-QAM	2510.0	V	123	25	9.54	1 / 99	13.36	22.90	0.195	33.01	-10.11
15 MHz	QPSK	2507.5	V	123	25	9.54	1 / 37	13.91	**23.46**	0.222	33.01	-9.55
	QPSK	2535.0	V	134	32	9.49	1 / 0	13.58	23.07	0.203	33.01	-9.94
	QPSK	2562.5	V	112	38	9.41	1 / 37	13.59	23.00	0.200	33.01	-10.01
	16-QAM	2507.5	V	123	25	9.54	1 / 37	13.31	22.86	0.193	33.01	-10.15
10 MHz	QPSK	2505.0	V	123	25	9.54	1 / 25	14.18	**23.73**	0.236	33.01	-9.28
	QPSK	2535.0	V	134	32	9.49	1 / 25	13.74	23.24	0.211	33.01	-9.77
	QPSK	2565.0	V	112	38	9.42	1 / 25	13.52	22.94	0.197	33.01	-10.07
	16-QAM	2505.0	V	123	25	9.54	1 / 25	13.30	22.85	0.193	33.01	-10.16
5 MHz	QPSK	2502.5	V	123	25	9.55	1 / 24	14.12	**23.67**	0.233	33.01	-9.34
	QPSK	2535.0	V	134	32	9.49	1 / 0	13.99	23.49	0.223	33.01	-9.52
	QPSK	2567.5	V	112	38	9.42	1 / 12	13.75	23.17	0.208	33.01	-9.84
	16-QAM	2502.5	V	123	25	9.55	1 / 24	13.47	23.01	0.200	33.01	-10.00
20 MHz	Opposite Pol.	2510.0	H	114	39	9.55	1 / 50	7.43	16.98	0.050	33.01	-16.04
	WCP	2510.0	H	122	322	9.55	1 / 50	7.01	16.56	0.045	33.01	-16.46

Table 7-15. EIRP Data (LTE Band 7 – Ant F)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz	QPSK	2506.0	H	143	139	9.50	1 / 50	16.50	**26.00**	0.398	33.01	-7.01
	QPSK	2593.0	H	169	143	9.49	1 / 50	15.16	24.65	0.292	33.01	-8.36
	QPSK	2680.0	H	113	143	9.87	1 / 99	14.92	24.79	0.301	33.01	-8.22
	16-QAM	2506.0	H	143	139	9.50	1 / 50	14.90	24.40	0.275	33.01	-8.61
15 MHz	QPSK	2503.5	H	143	139	9.50	1 / 74	16.89	**26.39**	0.435	33.01	-6.62
	QPSK	2593.0	H	169	143	9.49	1 / 37	16.30	25.79	0.379	33.01	-7.22
	QPSK	2682.5	H	113	143	9.87	1 / 37	15.30	25.17	0.329	33.01	-7.84
	16-QAM	2503.5	H	143	139	9.50	1 / 37	14.69	24.19	0.262	33.01	-8.82
10 MHz	QPSK	2501.0	H	143	139	9.49	1 / 25	16.65	**26.14**	0.411	33.01	-6.87
	QPSK	2593.0	H	169	143	9.49	1 / 0	15.64	25.13	0.326	33.01	-7.88
	QPSK	2685.0	H	113	143	9.86	1 / 0	15.30	25.16	0.328	33.01	-7.85
	16-QAM	2685.0	H	113	143	9.86	1 / 49	14.74	24.60	0.288	33.01	-8.41
5 MHz	QPSK	2498.5	H	143	139	9.49	1 / 12	16.76	**26.25**	0.422	33.01	-6.76
	QPSK	2593.0	H	169	143	9.49	1 / 12	15.96	25.46	0.351	33.01	-7.55
	QPSK	2687.5	H	113	143	9.86	1 / 12	15.27	25.12	0.325	33.01	-7.89
	16-QAM	2498.5	H	143	139	9.49	1 / 12	15.09	24.58	0.287	33.01	-8.43
20 MHz	Opposite Pol.	2506.0	V	136	275	9.54	1 / 99	13.46	23.00	0.200	33.01	-10.01
	WCP	2506.0	H	143	139	9.50	1 / 50	14.38	23.88	0.244	33.01	-9.13

Table 7-16. EIRP Data (LTE Band 41(PC2) – Ant B)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz	QPSK	2506.0	H	152	139	9.50	1 / 99	15.56	**25.06**	0.321	33.01	-7.95
	QPSK	2593.0	H	160	140	9.49	1 / 0	15.17	24.66	0.292	33.01	-8.35
	QPSK	2680.0	H	145	172	9.87	1 / 50	14.94	24.81	0.303	33.01	-8.20
	16-QAM	2506.0	H	152	139	9.50	1 / 99	14.59	24.09	0.257	33.01	-8.92
15 MHz	QPSK	2503.5	H	152	139	9.50	1 / 37	15.51	**25.01**	0.317	33.01	-8.00
	QPSK	2593.0	H	160	140	9.49	1 / 74	15.10	24.59	0.288	33.01	-8.42
	QPSK	2682.5	H	145	172	9.87	1 / 0	14.78	24.64	0.291	33.01	-8.37
	16-QAM	2503.5	H	152	139	9.50	1 / 0	14.53	24.03	0.253	33.01	-8.98
10 MHz	QPSK	2501.0	H	152	139	9.49	1 / 0	15.55	**25.04**	0.319	33.01	-7.97
	QPSK	2593.0	H	160	140	9.49	1 / 25	15.12	24.61	0.289	33.01	-8.40
	QPSK	2685.0	H	145	172	9.86	1 / 0	14.83	24.69	0.295	33.01	-8.32
	16-QAM	2501.0	H	152	139	9.49	1 / 0	14.68	24.17	0.261	33.01	-8.84
5 MHz	QPSK	2498.5	H	152	139	9.49	1 / 12	15.68	**25.17**	0.329	33.01	-7.84
	QPSK	2593.0	H	160	140	9.49	1 / 12	15.16	24.65	0.292	33.01	-8.36
	QPSK	2687.5	H	145	172	9.86	1 / 12	14.78	24.63	0.291	33.01	-8.38
	16-QAM	2498.5	H	152	139	9.49	1 / 12	14.70	24.19	0.262	33.01	-8.82
20 MHz	Opposite Pol.	2506.0	V	362	214	9.46	1 / 50	14.41	23.87	0.244	33.01	-9.14

Table 7-17. EIRP Data (LTE Band 41(PC2) – Ant F)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	2310.0	H	263	157	10.55	1 / 26	11.13	**21.68**	0.147	23.98	-2.30
	QPSK	2310.0	H	263	157	10.55	1 / 26	11.03	21.58	0.144	23.98	-2.40
	16-QAM	2310.0	H	263	157	10.55	1 / 26	10.61	21.16	0.130	23.98	-2.82
5 MHz	π/2 BPSK	2307.5	H	263	157	10.52	1 / 6	11.42	21.94	0.156	23.98	-2.04
	π/2 BPSK	2310.0	H	263	157	10.55	1 / 12	11.29	21.84	0.153	23.98	-2.14
	π/2 BPSK	2312.5	H	263	157	10.56	1 / 6	11.33	21.89	0.154	23.98	-2.09
	QPSK	2307.5	H	263	157	10.52	1 / 6	11.39	21.91	0.155	23.98	-2.07
	QPSK	2310.0	H	263	157	10.55	1 / 18	10.99	21.53	0.142	23.98	-2.44
	QPSK	2312.5	H	263	157	10.56	1 / 6	11.42	**21.98**	0.158	23.98	-2.00
	16-QAM	2312.5	H	263	157	10.56	1 / 6	10.92	21.48	0.141	23.98	-2.50
10 MHz	QPSK (CP-OFDM)	2310.0	H	263	157	10.55	1 / 26	9.83	20.38	0.109	23.98	-3.60
	Opposite Pol.	2310.0	V	153	290	10.55	1 / 26	10.37	20.92	0.123	23.98	-3.06
	WCP	2310.0	H	121	347	10.55	1 / 26	9.61	20.16	0.104	23.98	-3.82

Table 7-18. EIRP Data (NR Band n30 – Ant F)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	π/2 BPSK	2310.0	H	104	323	10.55	1 / 26	10.50	21.05	0.127	23.98	-2.93
	QPSK	2310.0	H	104	323	10.55	1 / 26	10.52	**21.07**	0.128	23.98	-2.91
	16-QAM	2310.0	H	104	323	10.55	1 / 26	10.22	20.77	0.119	23.98	-3.21
5 MHz	π/2 BPSK	2307.5	H	104	323	10.52	1 / 12	10.57	21.09	0.129	23.98	-2.89
	π/2 BPSK	2310.0	H	104	323	10.55	1 / 12	10.52	21.06	0.128	23.98	-2.91
	π/2 BPSK	2312.5	H	104	323	10.56	1 / 12	10.40	20.96	0.125	23.98	-3.02
	QPSK	2307.5	H	104	323	10.52	1 / 12	10.54	21.06	0.128	23.98	-2.92
	QPSK	2310.0	H	104	323	10.55	1 / 12	10.81	**21.36**	0.137	23.98	-2.62
	QPSK	2312.5	H	104	323	10.56	1 / 12	10.48	21.04	0.127	23.98	-2.94
	16-QAM	2307.5	H	104	323	10.52	1 / 12	10.24	20.75	0.119	23.98	-3.22
10 MHz	QPSK (CP-OFDM)	2310.0	H	104	323	10.55	1 / 26	8.02	18.57	0.072	23.98	-5.41
	Opposite Pol.	2310.0	V	135	312	10.55	1 / 26	5.82	16.37	0.043	23.98	-7.61
	WCP	2310.0	H	142	333	10.55	1 / 26	6.01	16.56	0.045	23.98	-7.42

Table 7-19. EIRP Data (NR Band n30 – Ant B)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
40 MHz	π/2 BPSK	2520.0	H	156	126	9.45	1 / 54	12.42	21.87	0.154	33.01	-11.14
	π/2 BPSK	2535.0	H	143	133	9.40	1 / 108	12.53	**21.93**	0.156	33.01	-11.08
	π/2 BPSK	2550.0	H	108	141	9.37	1 / 108	11.17	20.54	0.113	33.01	-12.47
	QPSK	2520.0	H	156	126	9.45	1 / 54	12.40	21.85	0.153	33.01	-11.16
	QPSK	2535.0	H	143	133	9.40	1 / 108	12.27	21.67	0.147	33.01	-11.34
	QPSK	2550.0	H	108	141	9.37	1 / 108	11.27	20.64	0.116	33.01	-12.37
	16-QAM	2535.0	H	143	133	9.40	1 / 108	11.77	21.17	0.131	33.01	-11.84
30 MHz	π/2 BPSK	2515.0	H	156	126	9.48	1 / 80	12.09	21.57	0.143	33.01	-11.44
	π/2 BPSK	2535.0	H	143	133	9.40	1 / 119	12.54	**21.94**	0.156	33.01	-11.07
	π/2 BPSK	2555.0	H	108	141	9.40	1 / 40	11.22	20.62	0.115	33.01	-12.39
	QPSK	2515.0	H	156	126	9.48	1 / 40	12.31	21.79	0.151	33.01	-11.22
	QPSK	2535.0	H	143	133	9.40	1 / 80	12.34	21.74	0.149	33.01	-11.27
	QPSK	2555.0	H	108	141	9.40	1 / 40	11.68	21.08	0.128	33.01	-11.93
	16-QAM	2515.0	H	156	126	9.48	1 / 40	11.88	21.37	0.137	33.01	-11.65
25 MHz	π/2 BPSK	2512.5	H	156	126	9.49	1 / 99	12.35	21.84	0.153	33.01	-11.17
	π/2 BPSK	2535.0	H	143	133	9.40	1 / 99	12.56	**21.96**	0.157	33.01	-11.05
	π/2 BPSK	2557.5	H	108	141	9.42	1 / 33	11.15	20.57	0.114	33.01	-12.44
	QPSK	2512.5	H	156	126	9.49	1 / 66	12.30	21.80	0.151	33.01	-11.21
	QPSK	2535.0	H	143	133	9.40	1 / 66	12.04	21.44	0.139	33.01	-11.57
	QPSK	2557.5	H	108	141	9.42	1 / 66	11.55	20.96	0.125	33.01	-12.05
	16-QAM	2535.0	H	143	133	9.40	1 / 66	11.92	21.32	0.135	33.01	-11.69
20 MHz	π/2 BPSK	2510.0	H	156	126	9.51	1 / 53	12.09	21.60	0.144	33.01	-11.41
	π/2 BPSK	2535.0	H	143	133	9.40	1 / 53	12.53	21.94	0.156	33.01	-11.07
	π/2 BPSK	2560.0	H	108	141	9.43	1 / 79	10.92	20.35	0.108	33.01	-12.66
	QPSK	2510.0	H	156	126	9.51	1 / 53	12.50	**22.01**	0.159	33.01	-11.00
	QPSK	2535.0	H	143	133	9.40	1 / 79	12.15	21.56	0.143	33.01	-11.45
	QPSK	2560.0	H	108	141	9.43	1 / 53	11.42	20.85	0.122	33.01	-12.16
	16-QAM	2535.0	H	143	133	9.40	1 / 79	11.70	21.10	0.129	33.01	-11.91
15 MHz	π/2 BPSK	2507.5	H	156	126	9.50	1 / 20	12.13	21.63	0.146	33.01	-11.38
	π/2 BPSK	2535.0	H	143	133	9.40	1 / 58	12.63	**22.03**	0.160	33.01	-10.98
	π/2 BPSK	2562.5	H	108	141	9.43	1 / 39	10.92	20.35	0.108	33.01	-12.66
	QPSK	2507.5	H	156	126	9.50	1 / 39	12.29	21.79	0.151	33.01	-11.22
	QPSK	2535.0	H	143	133	9.40	1 / 58	12.10	21.50	0.141	33.01	-11.51
	QPSK	2562.5	H	108	141	9.43	1 / 20	11.42	20.84	0.121	33.01	-12.17
	16-QAM	2535.0	H	143	133	9.40	1 / 20	11.90	21.30	0.135	33.01	-11.71
10 MHz	π/2 BPSK	2505.0	H	156	126	9.50	1 / 26	12.08	21.58	0.144	33.01	-11.43
	π/2 BPSK	2535.0	H	143	133	9.40	1 / 38	12.45	**21.86**	0.153	33.01	-11.15
	π/2 BPSK	2565.0	H	108	141	9.42	1 / 13	10.91	20.33	0.108	33.01	-12.68
	QPSK	2505.0	H	156	126	9.50	1 / 38	12.33	21.83	0.152	33.01	-11.18
	QPSK	2535.0	H	143	133	9.40	1 / 26	12.18	21.58	0.144	33.01	-11.43
	QPSK	2565.0	H	108	141	9.42	1 / 13	11.45	20.87	0.122	33.01	-12.14
	16-QAM	2535.0	H	143	133	9.40	1 / 38	11.78	21.19	0.131	33.01	-11.82
5 MHz	π/2 BPSK	2502.5	H	156	126	9.49	1 / 18	12.00	21.49	0.141	33.01	-11.52
	π/2 BPSK	2535.0	H	143	133	9.40	1 / 18	12.50	**21.90**	0.155	33.01	-11.11
	π/2 BPSK	2567.5	H	108	141	9.42	1 / 6	10.39	19.81	0.096	33.01	-13.20
	QPSK	2502.5	H	156	126	9.49	1 / 12	12.12	21.61	0.145	33.01	-11.40
	QPSK	2535.0	H	143	133	9.40	1 / 6	12.12	21.53	0.142	33.01	-11.48
	QPSK	2567.5	H	108	141	9.42	1 / 6	10.89	20.30	0.107	33.01	-12.71
	16-QAM	2535.0	H	143	133	9.40	1 / 12	11.71	21.11	0.129	33.01	-11.90
40 MHz	QPSK (CP-OFDM)	2535.0	H	143	133	9.40	1 / 108	10.28	19.68	0.093	33.01	-13.33
	QPSK (Opposite Pol.)	2535.0	V	112	90	9.40	1 / 108	11.71	21.11	0.129	33.01	-11.90
	QPSK (WCP)	2520.0	H	121	347	9.40	1 / 108	9.58	18.98	0.079	33.01	-14.03

Table 7-20. EIRP Data (NR Band n7 – Ant B)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
40 MHz	π/2 BPSK	2520.0	V	220	34	9.51	1 / 108	13.99	23.50	0.224	33.01	-9.51
	π/2 BPSK	2535.0	V	231	38	9.49	1 / 54	13.11	22.60	0.182	33.01	-10.41
	π/2 BPSK	2550.0	V	207	45	9.35	216 / 0	12.32	21.67	0.147	33.01	-11.34
	QPSK	2520.0	V	220	34	9.51	1 / 108	14.06	**23.57**	0.228	33.01	-9.44
	QPSK	2535.0	V	231	38	9.49	1 / 54	13.05	22.54	0.180	33.01	-10.47
	QPSK	2550.0	V	207	45	9.35	1 / 108	11.18	20.53	0.113	33.01	-12.48
	16-QAM	2520.0	V	220	34	9.51	1 / 108	13.17	22.68	0.185	33.01	-10.33
30 MHz	π/2 BPSK	2515.0	V	220	34	9.53	1 / 119	13.91	23.43	0.221	33.01	-9.58
	π/2 BPSK	2535.0	V	231	38	9.49	1 / 40	13.11	22.61	0.182	33.01	-10.40
	π/2 BPSK	2555.0	V	207	45	9.38	1 / 119	12.21	21.59	0.144	33.01	-11.42
	QPSK	2515.0	V	220	34	9.53	1 / 119	14.06	**23.58**	0.228	33.01	-9.43
	QPSK	2535.0	V	231	38	9.49	1 / 40	12.99	22.48	0.177	33.01	-10.53
	QPSK	2555.0	V	207	45	9.38	1 / 119	11.23	20.60	0.115	33.01	-12.41
	16-QAM	2515.0	V	220	34	9.53	1 / 119	13.13	22.66	0.185	33.01	-10.35
25 MHz	π/2 BPSK	2512.5	V	220	34	9.54	1 / 33	13.71	23.25	0.211	33.01	-9.76
	π/2 BPSK	2535.0	V	231	38	9.49	1 / 99	13.08	22.58	0.181	33.01	-10.43
	π/2 BPSK	2557.5	V	207	45	9.39	1 / 66	12.03	21.42	0.139	33.01	-11.59
	QPSK	2512.5	V	220	34	9.54	1 / 33	13.94	**23.48**	0.223	33.01	-9.53
	QPSK	2535.0	V	231	38	9.49	1 / 99	12.88	22.37	0.173	33.01	-10.64
	QPSK	2557.5	V	207	45	9.39	1 / 66	10.97	20.36	0.109	33.01	-12.65
	16-QAM	2512.5	V	220	34	9.54	1 / 33	12.91	22.45	0.176	33.01	-10.56
20 MHz	π/2 BPSK	2510.0	V	220	34	9.54	1 / 26	13.63	23.17	0.208	33.01	-9.84
	π/2 BPSK	2535.0	V	231	38	9.49	1 / 79	12.88	22.38	0.173	33.01	-10.63
	π/2 BPSK	2560.0	V	207	45	9.40	1 / 53	11.84	21.24	0.133	33.01	-11.77
	QPSK	2510.0	V	220	34	9.54	1 / 26	13.83	**23.37**	0.217	33.01	-9.64
	QPSK	2535.0	V	231	38	9.49	1 / 79	12.71	22.20	0.166	33.01	-10.81
	QPSK	2560.0	V	207	45	9.40	1 / 53	10.92	20.32	0.108	33.01	-12.69
	16-QAM	2510.0	V	220	34	9.54	1 / 26	12.74	22.29	0.169	33.01	-10.72
15 MHz	π/2 BPSK	2507.5	V	220	34	9.54	1 / 20	13.78	23.33	0.215	33.01	-9.68
	π/2 BPSK	2535.0	V	231	38	9.49	1 / 58	12.89	22.39	0.173	33.01	-10.62
	π/2 BPSK	2562.5	V	207	45	9.41	1 / 58	12.01	21.42	0.139	33.01	-11.59
	QPSK	2507.5	V	220	34	9.54	1 / 20	14.07	**23.61**	0.230	33.01	-9.40
	QPSK	2535.0	V	231	38	9.49	1 / 58	12.84	22.34	0.171	33.01	-10.67
	QPSK	2562.5	V	207	45	9.41	1 / 58	11.05	20.46	0.111	33.01	-12.55
	16-QAM	2507.5	V	220	34	9.54	1 / 20	12.96	22.50	0.178	33.01	-10.51
10 MHz	π/2 BPSK	2505.0	V	220	34	9.54	1 / 26	13.81	23.35	0.216	33.01	-9.66
	π/2 BPSK	2535.0	V	231	38	9.49	1 / 26	12.94	22.43	0.175	33.01	-10.58
	π/2 BPSK	2565.0	V	207	45	9.42	1 / 38	11.86	21.28	0.134	33.01	-11.73
	QPSK	2505.0	V	220	34	9.54	1 / 26	14.01	**23.56**	0.227	33.01	-9.45
	QPSK	2535.0	V	231	38	9.49	1 / 26	12.79	22.28	0.169	33.01	-10.73
	QPSK	2565.0	V	207	45	9.42	1 / 38	11.01	20.43	0.110	33.01	-12.58
	16-QAM	2505.0	V	220	34	9.54	1 / 26	13.05	22.60	0.182	33.01	-10.41
5 MHz	π/2 BPSK	2502.5	V	220	34	9.55	1 / 18	13.74	23.28	0.213	33.01	-9.73
	π/2 BPSK	2535.0	V	231	38	9.49	1 / 18	12.95	22.44	0.175	33.01	-10.57
	π/2 BPSK	2567.5	V	207	45	9.42	1 / 18	11.94	21.37	0.137	33.01	-11.64
	QPSK	2502.5	V	220	34	9.55	1 / 18	13.94	**23.49**	0.223	33.01	-9.52
	QPSK	2535.0	V	231	38	9.49	1 / 18	12.96	22.46	0.176	33.01	-10.56
	QPSK	2567.5	V	207	45	9.42	1 / 18	10.98	20.40	0.110	33.01	-12.61
	16-QAM	2502.5	V	220	34	9.55	1 / 18	12.94	22.49	0.177	33.01	-10.52
40 MHz	QPSK (CP-OFDM)	2520.0	V	114	39	9.55	1 / 108	8.16	17.71	0.059	33.01	-15.30
	QPSK (Opposite Pol.)	2520.0	H	122	322	9.55	1 / 108	5.80	15.35	0.034	33.01	-17.66
	QPSK (WCP)	2520.0	H	201	159	9.55	1 / 108	6.43	15.98	0.040	33.01	-17.03

Table 7-21. EIRP Data (NR Band n7 – Ant F)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
100 MHz	π/2 BPSK	2546.01	H	136	327	9.38	1 / 136	14.18	23.56	0.227	33.01	-9.45
	π/2 BPSK	2592.99	H	143	317	9.49	1 / 136	14.42	23.91	0.246	33.01	-9.10
	π/2 BPSK	2640.00	H	146	310	9.89	1 / 136	14.15	24.04	0.254	33.01	-8.97
	QPSK	2546.01	H	136	327	9.38	1 / 136	14.32	23.70	0.234	33.01	-9.31
	QPSK	2592.99	H	143	317	9.49	1 / 136	14.51	24.00	0.251	33.01	-9.01
	QPSK	2640.00	H	146	310	9.89	1 / 136	14.37	**24.26**	0.267	33.01	-8.75
	16-QAM	2640.00	H	146	310	9.89	1 / 136	13.28	23.17	0.207	33.01	-9.84
90 MHz	π/2 BPSK	2541.00	H	136	327	9.39	1 / 122	14.36	23.75	0.237	33.01	-9.26
	π/2 BPSK	2592.99	H	143	317	9.49	1 / 122	14.56	24.05	0.254	33.01	-8.96
	π/2 BPSK	2644.98	H	146	310	9.91	1 / 122	14.38	**24.29**	0.268	33.01	-8.72
	QPSK	2541.00	H	136	327	9.40	1 / 122	14.08	23.48	0.223	33.01	-9.53
	QPSK	2592.99	H	143	317	9.49	1 / 122	14.32	23.81	0.241	33.01	-9.20
	QPSK	2644.98	H	146	310	9.93	1 / 122	14.11	24.04	0.253	33.01	-8.97
	16-QAM	2644.98	H	146	310	9.93	1 / 122	13.71	23.64	0.231	33.01	-9.37
80 MHz	π/2 BPSK	2536.02	H	136	327	9.41	1 / 108	14.38	23.79	0.239	33.01	-9.22
	π/2 BPSK	2592.99	H	143	317	9.49	1 / 108	14.27	23.76	0.238	33.01	-9.25
	π/2 BPSK	2649.99	H	146	310	9.89	1 / 108	13.85	23.74	0.236	33.01	-9.27
	QPSK	2536.02	H	136	327	9.41	1 / 108	14.09	23.50	0.224	33.01	-9.51
	QPSK	2592.99	H	143	317	9.49	1 / 54	14.68	24.17	0.261	33.01	-8.84
	QPSK	2649.99	H	146	310	9.89	1 / 54	14.50	**24.39**	0.275	33.01	-8.62
	16-QAM	2649.99	H	146	310	9.85	1 / 108	14.04	23.89	0.245	33.01	-9.12
70 MHz	π/2 BPSK	2531.01	H	136	327	9.45	1 / 47	13.94	23.39	0.218	33.01	-9.62
	π/2 BPSK	2592.99	H	143	317	9.49	1 / 47	14.25	23.74	0.237	33.01	-9.27
	π/2 BPSK	2655.00	H	146	310	9.84	1 / 47	13.94	23.78	0.239	33.01	-9.23
	QPSK	2531.01	H	136	327	9.45	1 / 141	14.17	23.62	0.230	33.01	-9.39
	QPSK	2592.99	H	143	317	9.49	1 / 141	14.74	24.23	0.265	33.01	-8.78
	QPSK	2655.00	H	146	310	9.84	1 / 47	14.05	23.89	0.245	33.01	-9.12
	16-QAM	2655.00	H	146	310	9.84	1 / 141	12.74	22.58	0.181	33.01	-10.43
60 MHz	π/2 BPSK	2526.00	H	136	327	9.48	1 / 121	14.21	23.69	0.234	33.01	-9.32
	π/2 BPSK	2592.99	H	143	317	9.49	1 / 40	14.71	24.20	0.263	33.01	-8.81
	π/2 BPSK	2659.98	H	146	310	9.82	1 / 40	14.40	24.22	0.264	33.01	-8.79
	QPSK	2526.00	H	136	327	9.50	1 / 40	14.31	23.81	0.240	33.01	-9.21
	QPSK	2592.99	H	143	317	9.49	1 / 40	14.79	24.28	0.268	33.01	-8.73
	QPSK	2659.98	H	146	310	9.85	1 / 81	14.51	**24.36**	0.273	33.01	-8.65
	16-QAM	2592.99	H	143	317	9.49	1 / 40	13.82	23.31	0.214	33.01	-9.70
50 MHz	π/2 BPSK	2521.02	H	136	327	9.50	1 / 33	14.07	23.57	0.228	33.01	-9.44
	π/2 BPSK	2592.99	H	143	317	9.49	1 / 99	14.57	24.06	0.255	33.01	-8.95
	π/2 BPSK	2664.99	H	146	310	9.87	1 / 99	14.19	24.06	0.255	33.01	-8.95
	QPSK	2521.02	H	136	327	9.50	1 / 99	14.77	24.27	0.267	33.01	-8.74
	QPSK	2592.99	H	143	317	9.49	1 / 99	15.11	**24.60**	0.288	33.01	-8.42
	QPSK	2664.99	H	146	310	9.87	1 / 99	14.54	24.41	0.276	33.01	-8.60
	16-QAM	2664.99	H	146	310	9.49	1 / 33	13.69	23.18	0.208	33.01	-9.83
40 MHz	π/2 BPSK	2516.01	H	136	327	9.50	1 / 53	14.85	24.35	0.273	33.01	-8.66
	π/2 BPSK	2592.99	H	143	317	9.49	1 / 26	15.27	24.76	0.299	33.01	-8.25
	π/2 BPSK	2670.00	H	146	310	9.87	1 / 53	14.29	24.16	0.260	33.01	-8.85
	QPSK	2516.01	H	136	327	9.50	1 / 53	15.02	24.52	0.283	33.01	-8.49
	QPSK	2592.99	H	143	317	9.49	1 / 26	15.35	**24.84**	0.305	33.01	-8.17
	QPSK	2670.00	H	146	310	9.87	1 / 53	14.71	24.58	0.287	33.01	-8.43
	16-QAM	2670.00	H	146	310	9.49	1 / 79	15.11	24.60	0.288	33.01	-8.41
30 MHz	π/2 BPSK	2511.00	H	136	327	9.50	1 / 58	14.86	24.36	0.273	33.01	-8.65
	π/2 BPSK	2592.99	H	143	317	9.49	1 / 19	15.57	**25.06**	0.321	33.01	-7.95
	π/2 BPSK	2674.98	H	146	310	9.87	1 / 58	14.35	24.22	0.264	33.01	-8.79
	QPSK	2511.00	H	136	327	9.50	1 / 58	15.27	24.77	0.300	33.01	-8.24
	QPSK	2592.99	H	143	317	9.49	1 / 19	15.04	24.53	0.284	33.01	-8.48
	QPSK	2674.98	H	146	310	9.87	1 / 58	14.65	24.52	0.283	33.01	-8.49
	16-QAM	2674.98	H	146	310	9.49	1 / 58	14.31	23.80	0.240	33.01	-9.21
20 MHz	π/2 BPSK	2506.02	H	136	327	9.50	1 / 25	14.85	24.35	0.273	33.01	-8.66
	π/2 BPSK	2592.99	H	143	317	9.49	1 / 13	15.27	24.76	0.299	33.01	-8.25
	π/2 BPSK	2679.99	H	146	310	9.87	1 / 37	14.56	24.43	0.277	33.01	-8.58
	QPSK	2506.02	H	136	327	9.50	1 / 25	15.02	24.52	0.283	33.01	-8.49
	QPSK	2592.99	H	143	317	9.49	1 / 13	15.35	24.84	0.305	33.01	-8.17
	QPSK	2679.99	H	146	310	9.87	1 / 37	15.06	24.93	0.311	33.01	-8.08
	16-QAM	2679.99	H	146	310	9.49	1 / 37	15.11	24.60	0.288	33.01	-8.41
15 MHz	π/2 BPSK	2503.50	H	136	327	9.50	1 / 18	14.78	24.28	0.268	33.01	-8.73
	π/2 BPSK	2592.99	H	143	317	9.49	1 / 18	15.48	**24.97**	0.314	33.01	-8.05
	π/2 BPSK	2682.48	H	146	310	9.87	1 / 18	14.66	24.53	0.284	33.01	-8.48
	QPSK	2503.50	H	136	327	9.50	1 / 18	15.23	24.73	0.297	33.01	-8.28
	QPSK	2592.99	H	143	317	9.49	1 / 18	15.11	24.60	0.288	33.01	-8.41
	QPSK	2682.48	H	146	310	9.87	1 / 18	15.02	24.89	0.308	33.01	-8.12
	16-QAM	2682.48	H	146	310	9.49	1 / 18	14.40	23.89	0.245	33.01	-9.12
10 MHz	π/2 BPSK	2501.00	H	136	327	9.50	1 / 12	14.44	23.94	0.248	33.01	-9.07
	π/2 BPSK	2592.99	H	143	317	9.49	1 / 12	14.90	24.39	0.274	33.01	-8.63
	π/2 BPSK	2685.00	H	146	310	9.87	1 / 12	14.52	24.39	0.275	33.01	-8.62
	QPSK	2506.02	H	136	327	9.50	1 / 12	14.59	24.09	0.257	33.01	-8.92
	QPSK	2592.99	H	143	317	9.49	1 / 12	15.28	24.77	0.300	33.01	-8.24
	QPSK	2685.00	H	146	310	9.87	1 / 12	14.97	24.84	0.305	33.01	-8.17
	16-QAM	2592.99	H	143	317	0.00	1 / 12	23.57	23.57	0.228	33.01	-9.44
100 MHz	QPSK (CP-OFDM)	2640.00	H	146	310	9.89	1 / 136	13.70	23.59	0.229	33.01	-9.42
	QPSK (Opposite Pol.)	2640.00	V	391	24	9.50	1 / 204	13.37	22.87	0.194	33.01	-10.14
	QPSK (WCP)	2640.00	H	146	310	9.89	1 / 136	13.00	22.89	0.195	33.01	-10.12

Table 7-22. EIRP Data (NR Band n41 – Ant F)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
100 MHz	π/2 BPSK	2546.01	H	118	136	9.38	1 / 136	10.30	19.68	0.093	33.01	-13.33
	π/2 BPSK	2592.99	H	118	119	9.49	1 / 136	9.27	18.76	0.075	33.01	-14.25
	π/2 BPSK	2640.00	H	133	151	9.89	1 / 204	9.88	**19.77**	0.095	33.01	-13.24
	QPSK	2546.01	H	118	136	9.38	1 / 136	10.32	19.70	0.093	33.01	-13.31
	QPSK	2592.99	H	118	119	9.49	1 / 136	9.21	18.70	0.074	33.01	-14.31
	QPSK	2640.00	H	133	151	9.89	1 / 204	9.78	19.67	0.093	33.01	-13.34
	16-QAM	2640.00	H	133	151	9.89	1 / 204	9.64	19.53	0.090	33.01	-13.48
100 MHz	QPSK (CP-OFDM)	2640.0	H	133	151	9.89	1/204	9.68	19.57	0.091	33.01	-13.44
	QPSK (Opposite Pol.)	2640.0	V	117	260	9.50	1/68	6.66	16.16	0.041	33.01	-16.85

Table 7-23. EIRP Data (NR Band n41 – Ant B)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
100 MHz	π/2 BPSK	2546.01	H	165	223	9.38	1 / 204	0.87	10.25	0.011	33.01	-22.76
	π/2 BPSK	2592.99	H	150	219	9.49	1 / 204	1.96	11.45	0.014	33.01	-21.56
	π/2 BPSK	2640.00	H	147	221	9.89	1 / 136	2.57	**12.46**	0.018	33.01	-20.55
	QPSK	2546.01	H	165	223	9.38	1 / 204	0.82	10.20	0.010	33.01	-22.81
	QPSK	2592.99	H	150	219	9.49	1 / 204	1.74	11.23	0.013	33.01	-21.78
	QPSK	2640.00	H	147	221	9.89	1 / 136	2.50	12.39	0.017	33.01	-20.62
	16-QAM	2640.00	H	147	221	9.89	1 / 136	2.26	12.15	0.016	33.01	-20.86
100 MHz	QPSK (CP-OFDM)	2640.0	H	147	221	9.89	1/136	2.44	12.33	0.017	33.01	-20.68
	QPSK (Opposite Pol.)	2640.0	V	133	282	9.50	1/136	2.15	11.65	0.015	33.01	-21.36

Table 7-24. EIRP Data (NR Band n41 – Ant E)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
100 MHz	π/2 BPSK	2546.01	V	110	274	9.40	1 / 68	4.55	13.95	0.025	33.01	-19.06
	π/2 BPSK	2592.99	V	110	274	9.46	1 / 204	4.12	13.58	0.023	33.01	-19.43
	π/2 BPSK	2640.00	V	110	274	9.50	1 / 136	5.18	**14.68**	0.029	33.01	-18.33
	QPSK	2546.01	V	110	274	9.40	1 / 68	4.14	13.54	0.023	33.01	-19.47
	QPSK	2592.99	V	110	274	9.46	1 / 204	3.71	13.17	0.021	33.01	-19.84
	QPSK	2640.00	V	110	274	9.50	1 / 136	4.98	14.48	0.028	33.01	-18.53
	16-QAM	2640.00	V	110	274	9.50	1 / 136	4.47	13.97	0.025	33.01	-19.04

Table 7-25. EIRP Data (NR Band n41 – Ant D)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
100 MHz	π/2 BPSK	2546.0	H	175	149	9.38	1 / 204	16.95	**26.33**	0.429	33.01	-6.68
	π/2 BPSK	2593.0	H	175	152	9.49	1 / 68	15.80	25.29	0.338	33.01	-7.72
	π/2 BPSK	2640.0	H	168	149	9.89	1 / 204	16.03	25.92	0.391	33.01	-7.09
	QPSK	2546.0	H	175	149	9.38	1 / 204	16.80	26.18	0.415	33.01	-6.83
	QPSK	2593.0	H	175	152	9.49	1 / 68	16.28	25.77	0.378	33.01	-7.24
	QPSK	2640.0	H	168	149	9.89	1 / 204	15.36	25.25	0.335	33.01	-7.76
	16-QAM	2546.0	H	175	149	9.38	1 / 204	14.96	24.34	0.271	33.01	-8.67
90 MHz	π/2 BPSK	2541.0	H	175	149	9.39	1 / 183	16.57	25.96	0.394	33.01	-7.05
	π/2 BPSK	2593.0	H	175	152	9.49	1 / 122	16.14	25.63	0.366	33.01	-7.38
	π/2 BPSK	2645.0	H	168	149	9.91	1 / 183	15.47	25.39	0.346	33.01	-7.62
	QPSK	2541.0	H	175	149	9.39	1 / 183	16.59	**25.98**	0.396	33.01	-7.03
	QPSK	2593.0	H	175	152	9.49	1 / 122	15.78	25.27	0.337	33.01	-7.74
	QPSK	2645.0	H	168	149	9.91	1 / 183	15.73	25.65	0.367	33.01	-7.36
	16-QAM	2541.0	H	175	149	9.39	1 / 183	15.20	24.59	0.288	33.01	-8.42
80 MHz	π/2 BPSK	2536.0	H	175	149	9.40	1 / 122	17.03	26.43	0.440	33.01	-6.58
	π/2 BPSK	2593.0	H	175	152	9.49	1 / 61	16.19	25.68	0.370	33.01	-7.33
	π/2 BPSK	2650.0	H	168	149	9.93	1 / 122	15.67	25.61	0.364	33.01	-7.40
	QPSK	2536.0	H	175	149	9.40	1 / 183	16.94	26.34	0.431	33.01	-6.67
	QPSK	2593.0	H	175	152	9.49	1 / 61	16.33	25.82	0.382	33.01	-7.19
	QPSK	2650.0	H	168	149	9.93	1 / 122	16.02	25.95	0.394	33.01	-7.06
	16-QAM	2593.0	H	175	152	9.49	1 / 122	16.79	26.28	0.425	33.01	-6.73
70 MHz	π/2 BPSK	2531.0	H	175	149	9.41	1 / 183	17.17	**26.58**	0.455	33.01	-6.43
	π/2 BPSK	2593.0	H	175	152	9.49	1 / 61	16.52	26.01	0.399	33.01	-7.00
	π/2 BPSK	2655.0	H	168	149	9.89	1 / 61	15.83	25.72	0.374	33.01	-7.29
	QPSK	2531.0	H	175	149	9.41	1 / 122	16.42	25.83	0.382	33.01	-7.19
	QPSK	2593.0	H	175	152	9.49	1 / 122	15.83	25.32	0.341	33.01	-7.69
	QPSK	2655.0	H	168	149	9.89	1 / 61	15.86	25.75	0.375	33.01	-7.27
	16-QAM	2531.0	H	175	149	9.41	1 / 183	16.14	25.55	0.359	33.01	-7.46
60 MHz	π/2 BPSK	2526.0	H	175	149	9.43	1 / 61	17.22	**26.66**	0.463	33.01	-6.35
	π/2 BPSK	2593.0	H	175	152	9.49	1 / 61	16.54	26.04	0.401	33.01	-6.97
	π/2 BPSK	2660.0	H	168	149	9.85	1 / 61	16.10	25.95	0.394	33.01	-7.06
	QPSK	2526.0	H	175	149	9.43	1 / 183	16.71	26.14	0.411	33.01	-6.87
	QPSK	2593.0	H	175	152	9.49	1 / 183	16.18	25.67	0.369	33.01	-7.34
	QPSK	2660.0	H	168	149	9.85	1 / 183	16.04	25.89	0.388	33.01	-7.12
	16-QAM	2593.0	H	175	152	9.49	1 / 183	16.23	25.72	0.373	33.01	-7.29
50 MHz	π/2 BPSK	2521.0	H	175	149	9.45	1 / 61	17.25	**26.70**	0.467	33.01	-6.31
	π/2 BPSK	2593.0	H	175	152	9.49	1 / 61	17.07	26.56	0.453	33.01	-6.45
	π/2 BPSK	2665.0	H	168	149	9.84	1 / 61	16.48	26.31	0.428	33.01	-6.70
	QPSK	2521.0	H	175	149	9.45	1 / 122	16.87	26.32	0.429	33.01	-6.69
	QPSK	2593.0	H	175	152	9.49	1 / 122	16.45	25.95	0.393	33.01	-7.07
	QPSK	2665.0	H	168	149	9.84	1 / 122	16.26	26.10	0.407	33.01	-6.91
	16-QAM	2593.0	H	175	152	9.49	1 / 61	16.64	26.13	0.411	33.01	-6.88
40 MHz	π/2 BPSK	2516.0	H	175	149	9.48	1 / 122	17.44	**26.91**	0.491	33.01	-6.10
	π/2 BPSK	2593.0	H	175	152	9.49	1 / 122	16.81	26.30	0.427	33.01	-6.71
	π/2 BPSK	2670.0	H	168	149	9.82	1 / 122	16.73	26.55	0.452	33.01	-6.46
	QPSK	2516.0	H	175	149	9.48	1 / 122	16.98	26.45	0.442	33.01	-6.56
	QPSK	2593.0	H	175	152	9.49	1 / 122	16.54	26.03	0.401	33.01	-6.98
	QPSK	2670.0	H	168	149	9.82	1 / 122	16.52	26.34	0.431	33.01	-6.67
	16-QAM	2593.0	H	175	152	9.49	1 / 122	16.68	26.17	0.414	33.01	-6.84
30 MHz	π/2 BPSK	2511.0	H	175	149	9.50	1 / 122	17.27	**26.78**	0.476	33.01	-6.23
	π/2 BPSK	2593.0	H	175	152	9.49	1 / 122	16.61	26.10	0.407	33.01	-6.91
	π/2 BPSK	2675.0	H	168	149	9.85	1 / 183	16.12	25.97	0.395	33.01	-7.04
	QPSK	2511.0	H	175	149	9.50	1 / 122	17.01	26.51	0.448	33.01	-6.50
	QPSK	2593.0	H	175	152	9.49	1 / 122	16.60	26.09	0.407	33.01	-6.92
	QPSK	2675.0	H	168	149	9.85	1 / 122	16.28	26.13	0.410	33.01	-6.88
	16-QAM	2511.0	H	175	149	9.50	1 / 122	16.77	26.27	0.424	33.01	-6.74
20 MHz	π/2 BPSK	2506.0	H	175	149	9.50	1 / 61	17.06	**26.56**	0.453	33.01	-6.45
	π/2 BPSK	2593.0	H	175	152	9.49	1 / 61	16.65	26.14	0.412	33.01	-6.87
	π/2 BPSK	2680.0	H	168	149	9.87	1 / 61	16.02	25.89	0.388	33.01	-7.12
	QPSK	2506.0	H	175	149	9.50	1 / 61	16.35	25.85	0.385	33.01	-7.16
	QPSK	2593.0	H	175	152	9.49	1 / 122	16.38	25.87	0.386	33.01	-7.14
	QPSK	2680.0	H	168	149	9.87	1 / 61	15.81	25.68	0.370	33.01	-7.33
	16-QAM	2593.0	H	175	152	9.49	1 / 122	16.39	25.88	0.388	33.01	-7.13
15 MHz	π/2 BPSK	2504.0	H	175	149	9.50	1 / 122	17.36	**26.86**	0.486	33.01	-6.15
	π/2 BPSK	2593.0	H	175	152	9.49	1 / 122	16.50	25.99	0.397	33.01	-7.02
	π/2 BPSK	2682.5	H	168	149	9.87	1 / 122	16.08	25.95	0.393	33.01	-7.06
	QPSK	2504.0	H	175	149	9.50	1 / 122	16.64	26.14	0.411	33.01	-6.87
	QPSK	2593.0	H	175	152	9.49	1 / 122	16.49	25.98	0.396	33.01	-7.03
	QPSK	2682.5	H	168	149	9.87	1 / 122	16.02	25.89	0.388	33.01	-7.12
	16-QAM	2504.0	H	175	149	9.50	1 / 61	16.31	25.81	0.381	33.01	-7.20
10 MHz	π/2 BPSK	2501.0	H	175	149	9.49	1 / 61	17.42	**26.91**	0.490	33.01	-6.10
	π/2 BPSK	2593.0	H	175	152	9.49	1 / 122	16.89	26.38	0.434	33.01	-6.63
	π/2 BPSK	2685.0	H	168	149	9.86	1 / 61	16.22	26.08	0.406	33.01	-6.93
	QPSK	2501.0	H	175	149	9.49	1 / 61	17.10	26.59	0.456	33.01	-6.42
	QPSK	2593.0	H	175	152	9.49	1 / 61	16.58	26.07	0.405	33.01	-6.94
	QPSK	2685.0	H	168	149	9.86	1 / 122	16.45	26.31	0.428	33.01	-6.70
	16-QAM	2593.0	H	175	152	9.49	1 / 61	16.59	26.08	0.406	33.01	-6.93
100 MHz	QPSK (CP-OFDM)	2546.0	H	175	149	9.38	1/204	15.14	24.52	0.283	33.01	-8.49
	QPSK (Opposite Pol.)	2546.0	V	162	93	9.38	1/68	12.63	22.01	0.159	33.01	-11.00
	QPSK (WCP)	2546.0	H	175	149	9.38	1/68	16.50	25.88	0.387	33.01	-7.13

Table 7-26. EIRP Data (NR Band n41 – Switching Ant B)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
100 MHz	π/2 BPSK	2546.0	V	126	45	9.40	1 / 136	11.81	21.21	0.132	33.01	-11.80
	π/2 BPSK	2593.0	V	118	34	9.46	1 / 68	12.64	**22.10**	0.162	33.01	-10.91
	π/2 BPSK	2640.0	V	127	56	9.50	1 / 136	9.85	19.35	0.086	33.01	-13.66
	QPSK	2546.0	V	126	45	9.40	1 / 136	11.76	21.16	0.131	33.01	-11.85
	QPSK	2593.0	V	118	34	9.46	1 / 136	10.60	20.06	0.101	33.01	-12.95
	QPSK	2640.0	V	127	56	9.50	1 / 136	10.06	19.56	0.090	33.01	-13.45
	16-QAM	2546.0	V	126	45	9.40	1 / 136	10.84	20.24	0.106	33.01	-12.77
100 MHz	QPSK (CP-OFDM)	2593.0	V	118	34	9.46	1/68	11.80	21.26	0.134	33.01	-11.75
	QPSK (Opposite Pol.)	2593.0	H	180	345	9.49	1/68	11.91	21.40	0.138	33.01	-11.61

Table 7-27. EIRP Data (NR Band n41 – Switching Ant F)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
100 MHz	π/2 BPSK	2550.0	V	107	273	9.40	1 / 68	0.12	9.52	0.009	33.01	-23.49
	π/2 BPSK	2593.0	V	107	271	9.46	1 / 68	0.37	9.83	0.010	33.01	-23.18
	π/2 BPSK	2640.0	V	122	270	9.50	1 / 68	2.59	12.09	0.016	33.01	-20.92
	QPSK	2550.0	V	107	273	9.40	1 / 68	-0.73	8.67	0.007	33.01	-24.34
	QPSK	2593.0	V	107	271	9.46	1 / 68	0.09	9.55	0.009	33.01	-23.46
	QPSK	2640.0	V	122	270	9.50	1 / 68	2.88	**12.38**	0.017	33.01	-20.63
	16-QAM	2640.0	V	122	270	9.50	1 / 68	2.04	11.54	0.014	33.01	-21.47
100 MHz	QPSK (CP-OFDM)	2640.0	V	122	270	9.50	270/0	1.77	11.27	0.013	33.01	-21.74
	QPSK (Opposite Pol.)	2640.0	H	110	260	9.89	1/136	1.44	11.33	0.014	33.01	-21.68

Table 7-28. EIRP Data (NR Band n41 – Switching Ant D)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
100 MHz	π/2 BPSK	2550.0	V	125	277	9.40	1 / 136	5.43	14.83	0.030	33.01	-18.18
	π/2 BPSK	2593.0	V	126	288	9.46	1 / 68	5.87	15.33	0.034	33.01	-17.68
	π/2 BPSK	2640.0	V	126	291	9.50	1 / 68	7.21	**16.71**	0.047	33.01	-16.30
	QPSK	2550.0	V	125	277	9.40	1 / 136	5.40	14.80	0.030	33.01	-18.21
	QPSK	2593.0	V	126	288	9.46	1 / 68	5.86	15.32	0.034	33.01	-17.69
	QPSK	2640.0	V	126	291	9.50	1 / 68	7.11	16.61	0.046	33.01	-16.40
	16-QAM	2640.0	V	126	291	9.50	1 / 68	5.32	14.82	0.030	33.01	-18.19
100 MHz	QPSK (CP-OFDM)	2640.0	V	122	269	9.50	1 / 68	4.11	13.61	0.023	33.01	-19.40
	QPSK (Opposite Pol.)	2640.0	H	214	222	9.89	1 / 68	5.87	15.76	0.038	33.01	-17.25

Table 7-29. EIRP Data (NR Band n41 – Switching Ant E)

7.7 Radiated Spurious Emissions Measurements

Test Overview

Radiated spurious emissions measurements are performed using the field strength conversion method described in ANSI C63.26-2015 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using hybrid (biconical/log) antennas. Measurements on signals operating above 1GHz are performed using vertically and horizontally polarized broadband horn antennas. All measurements are performed as RMS measurements while the EUT is operating at maximum power, and at the appropriate frequencies.

Test Procedures Used

ANSI C63.26-2015 – Section 5.5.4

Test Settings

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

Test Setup

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

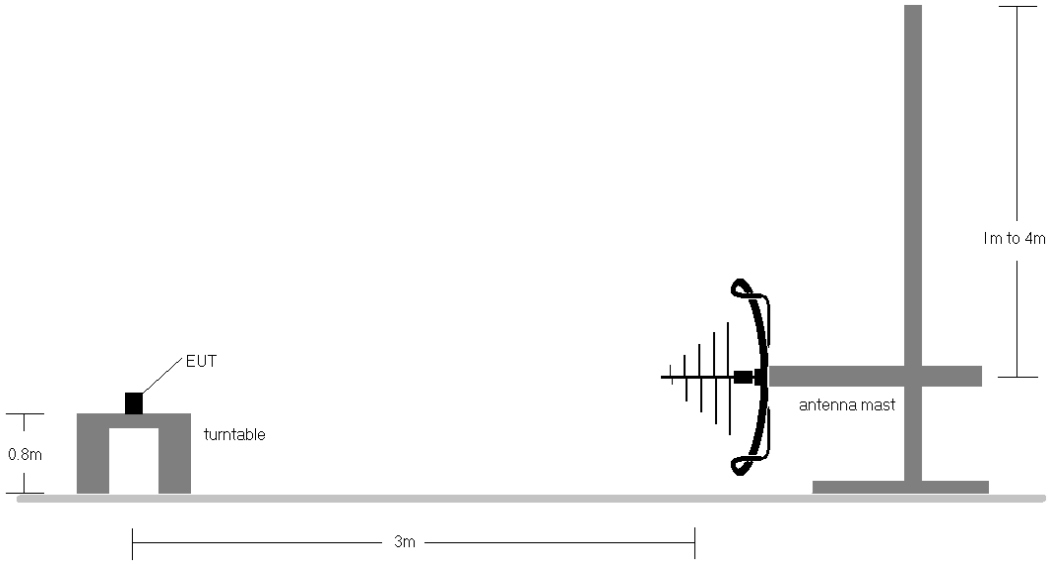


Figure 7-6. Test Instrument & Measurement Setup < 1GHz

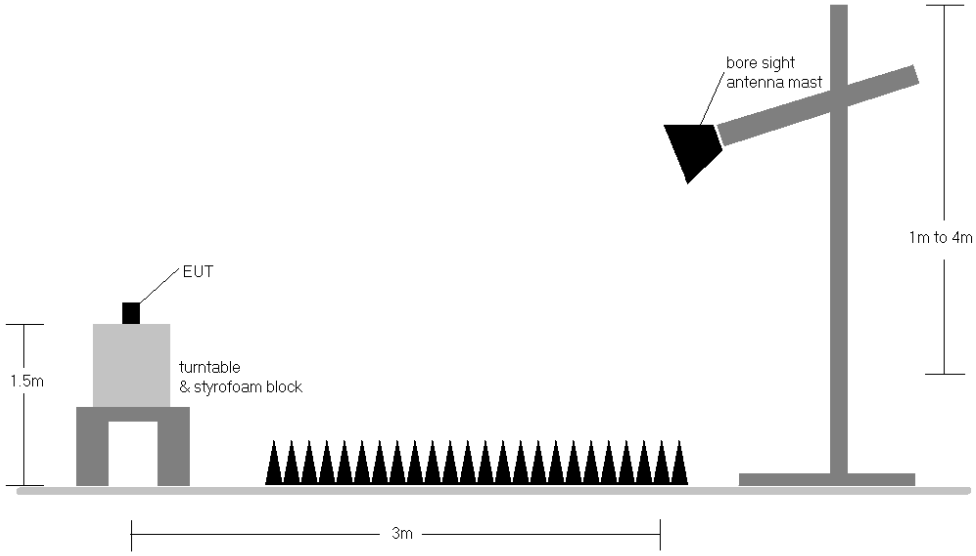


Figure 7-7. Test Instrument & Measurement Setup >1 GHz

Test Notes

1) Field strengths are calculated using the Measurement quantity conversions in ANSI C63.26-2015 Section 5.2.7:
   a) E(dBµV/m) = Measured amplitude level (dBm) + 107 + Cable Loss (dB) + Antenna Factor (dB/m)
   b) EIRP (dBm) = E(dBµV/m) + 20logD – 104.8; where D is the measurement distance in meters.

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

3) This unit was tested with its standard battery.

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

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

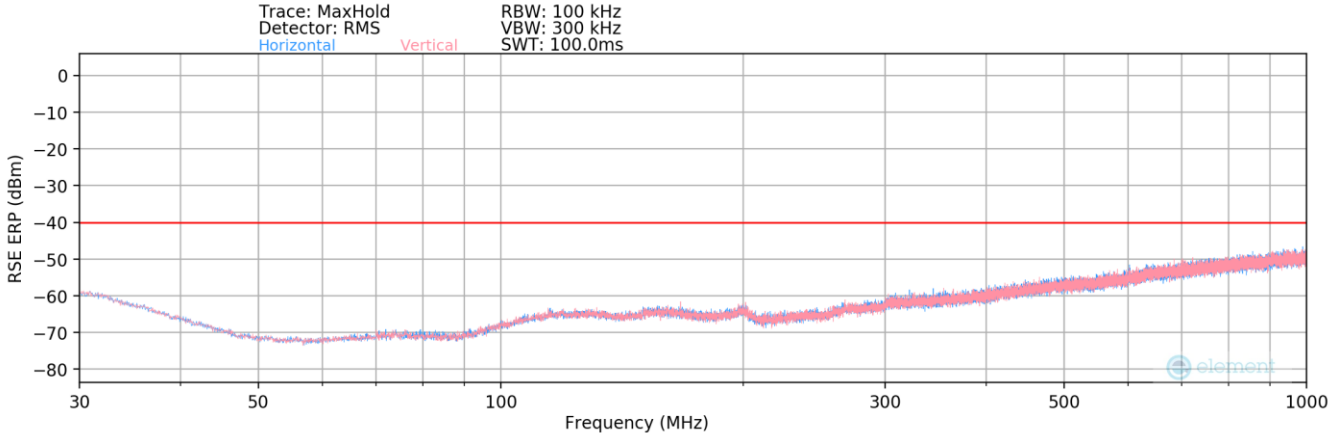
6) The "-" shown in the following RSE tables are used to denote a noise floor measurement.

7) ULCA spurious emissions 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.

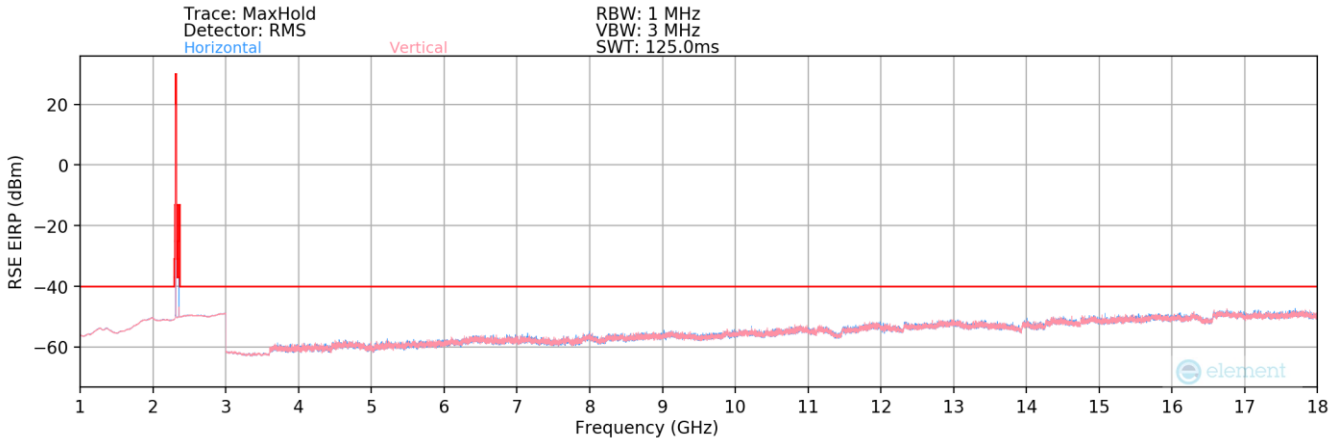
8) For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

9) Spurious emissions shown in this section are measured while operating in EN-DC mode with Sub 6GHz NR carrier as well as an LTE carrier (anchor). Spurious emissions from the NR carrier device, is subject to the rules under which the NR carrier operates. Spurious emissions caused by the LTE carrier must meet the requirements of the rules under which the LTE carrier operates.

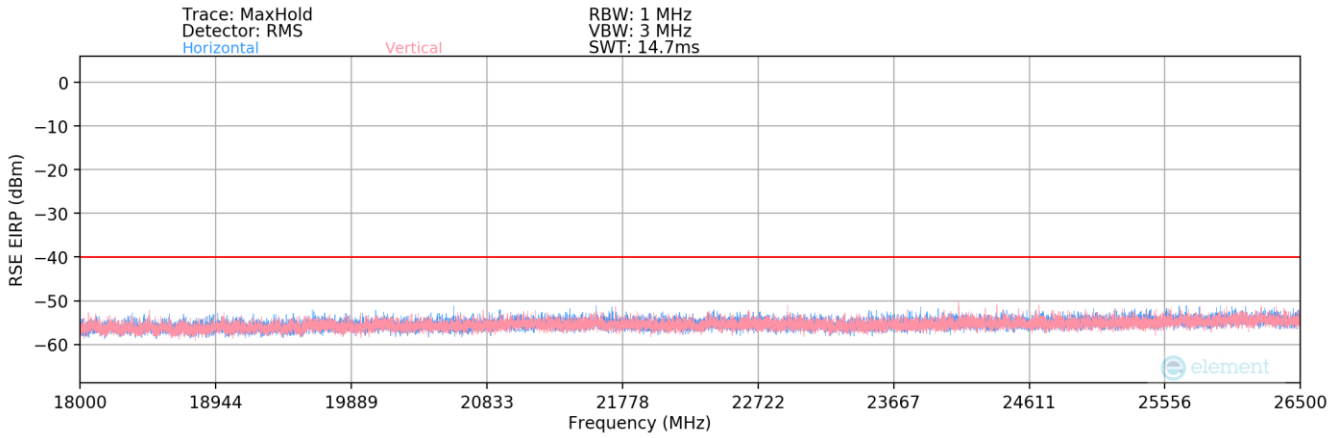
LTE Band 30 – Ant A



Plot 7-458. Radiated Spurious Plot (LTE Band 30 – Ant A)



Plot 7-459. Radiated Spurious Plot (LTE Band 30 – Ant A)



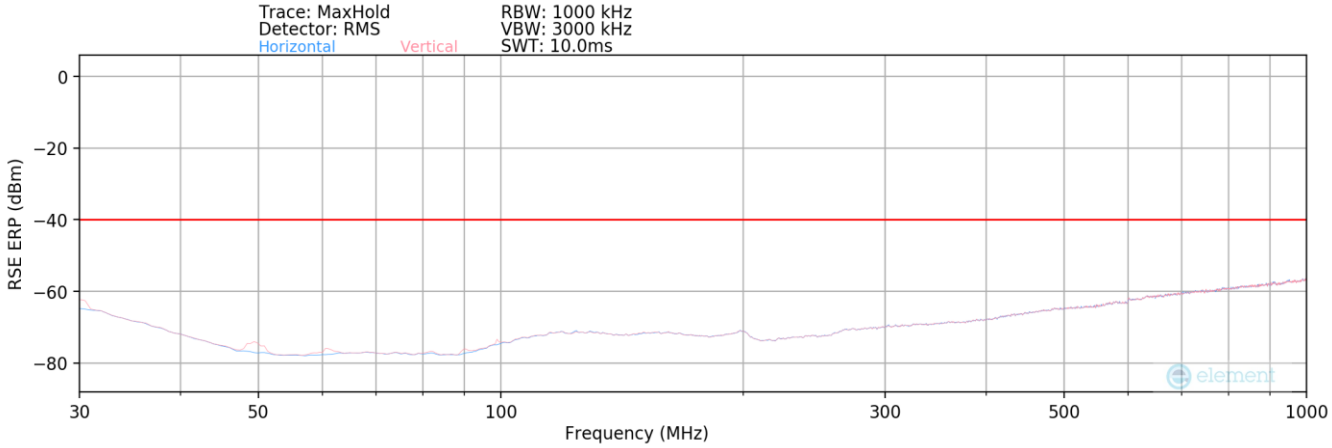
Plot 7-460. Radiated Spurious Plot (LTE Band 30 – Ant A)

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

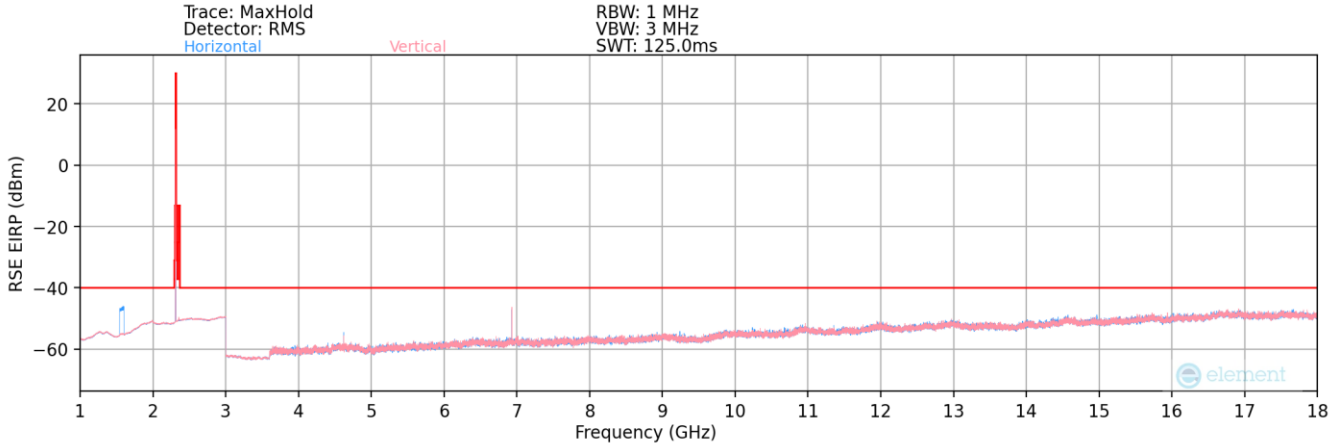
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4620.00	V	285	320	-77.52	7.01	36.49	-58.77	-40.00	-18.77
6930.00	V	-	-	-80.47	11.18	37.71	-57.55	-40.00	-17.55
9240.00	V	-	-	-81.48	14.31	39.83	-55.43	-40.00	-15.43
11550.00	V	-	-	-82.11	17.96	42.85	-52.41	-40.00	-12.41

Table 7-30. Radiated Spurious Data (LTE Band 30 – Mid Channel – Ant A)

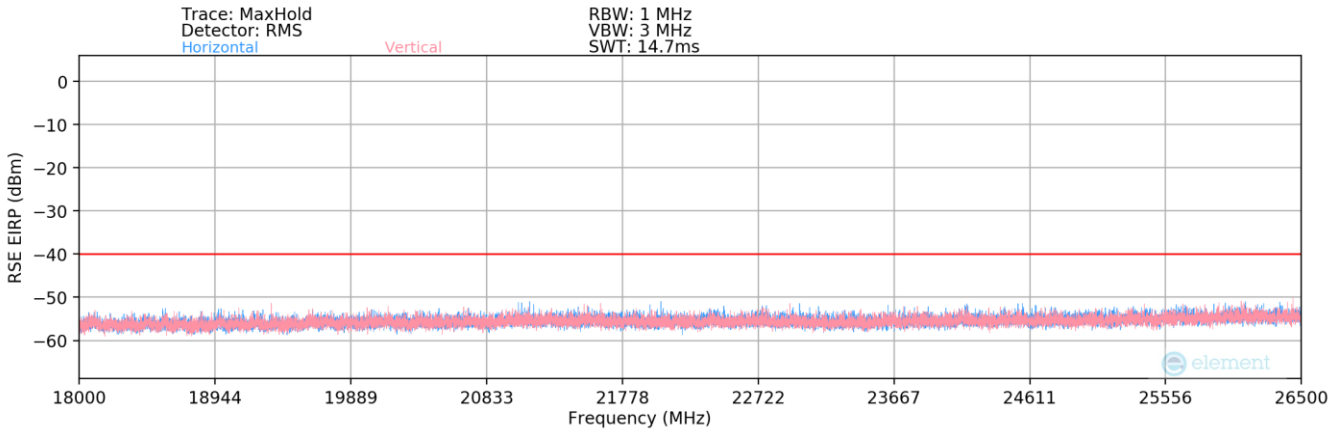
LTE Band 30 – Ant F



Plot 7-461. Radiated Spurious Plot (LTE Band 30 – Ant F)



Plot 7-462. Radiated Spurious Plot (LTE Band 30 – Ant F)



Plot 7-463. Radiated Spurious Plot (LTE Band 30 – Ant F)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4620.00	V	141	237	-70.50	4.56	41.06	-54.20	-40.00	-14.20
6930.00	V	120	234	-65.08	7.20	49.12	-46.14	-40.00	-6.14
9240.00	V	136	283	-78.64	8.81	37.17	-58.09	-40.00	-18.09
11550.00	V	-	-	-80.56	12.86	39.30	-55.96	-40.00	-15.96
13860.00	V	-	-	-80.93	14.47	40.54	-54.72	-40.00	-14.72
16170.00	V	-	-	-80.84	16.98	43.14	-52.11	-40.00	-12.11

Table 7-31. Radiated Spurious Data (LTE Band 30 – Mid Channel – Ant F)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4620.00	V	203	221	-71.46	4.56	40.10	-55.16	-40.00	-15.16
6930.00	V	169	320	-68.70	7.20	45.50	-49.76	-40.00	-9.76
9240.00	V	-	-	-79.28	8.81	36.53	-58.73	-40.00	-18.73
11550.00	V	-	-	-80.56	12.86	39.30	-55.96	-40.00	-15.96
13860.00	V	-	-	-80.99	14.47	40.48	-54.78	-40.00	-14.78

Table 7-32. Radiated Spurious Data with WCP (LTE Band 30 – Ant F)

Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 25
Detector / Trace Mode:	RMS / Average
RBW / VBW:	1MHz / 3MHz

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
53.24	V	-	-	-84.12	14.25	37.13	-60.28	-40.00	-20.28
79.30	V	-	-	-84.12	14.67	37.55	-59.86	-40.00	-19.86
189.82	V	-	-	-83.98	18.82	41.84	-55.57	-40.00	-15.57

Table 7-33. Radiated Spurious Data (LTE Band 30 – Ant F) Below 1GHz RSEs