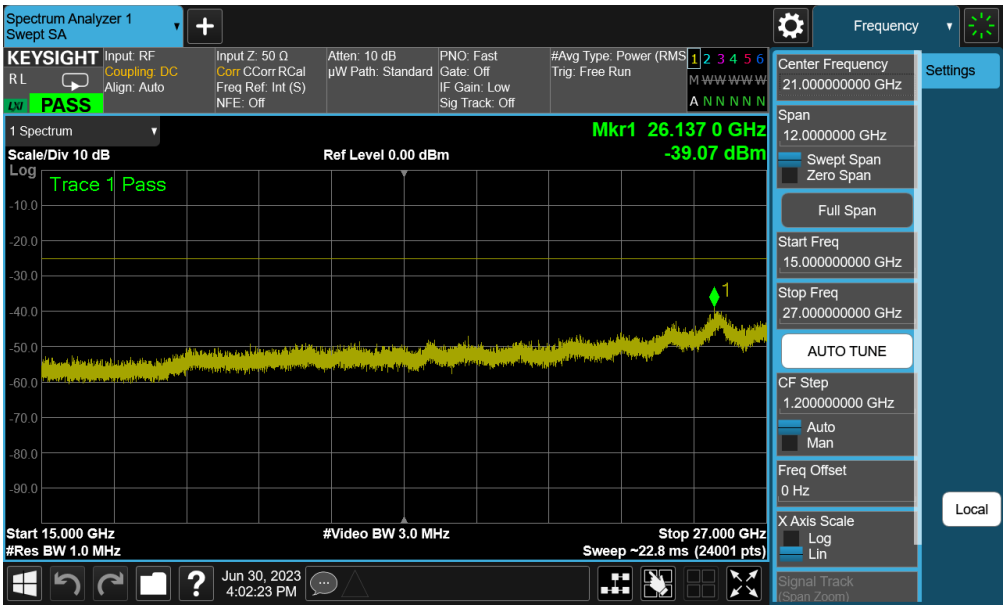
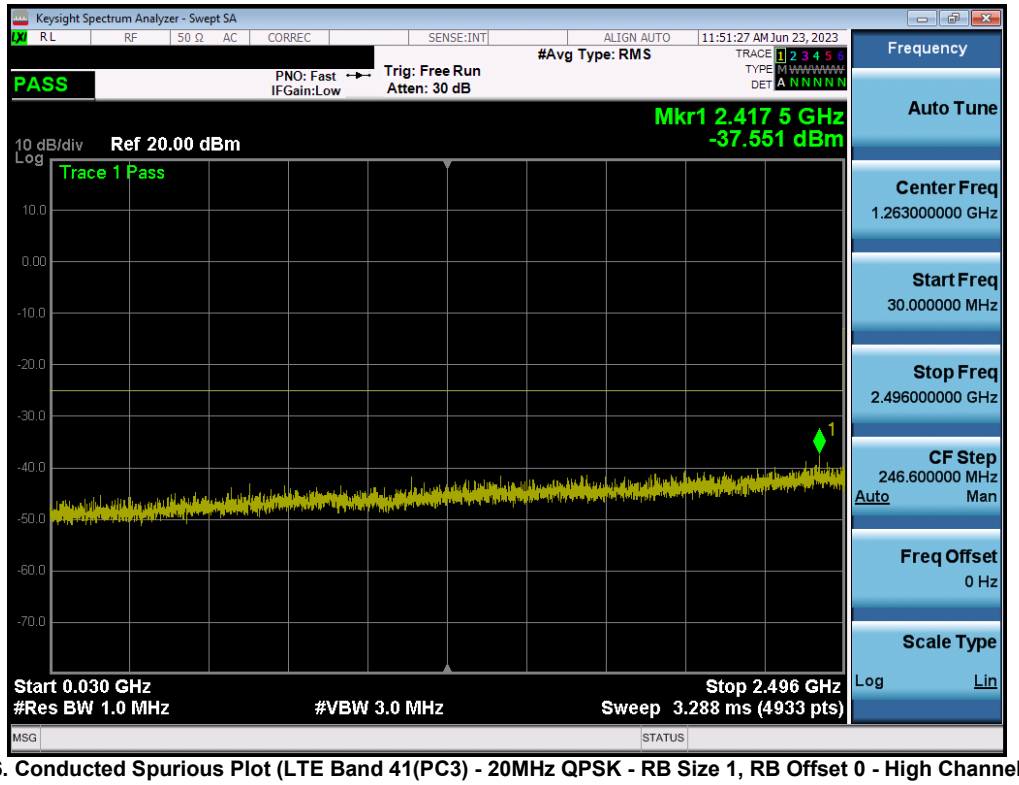


Plot 7-55. Conducted Spurious Plot (ULCA LTE B41(PC3) - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel – Ant B)

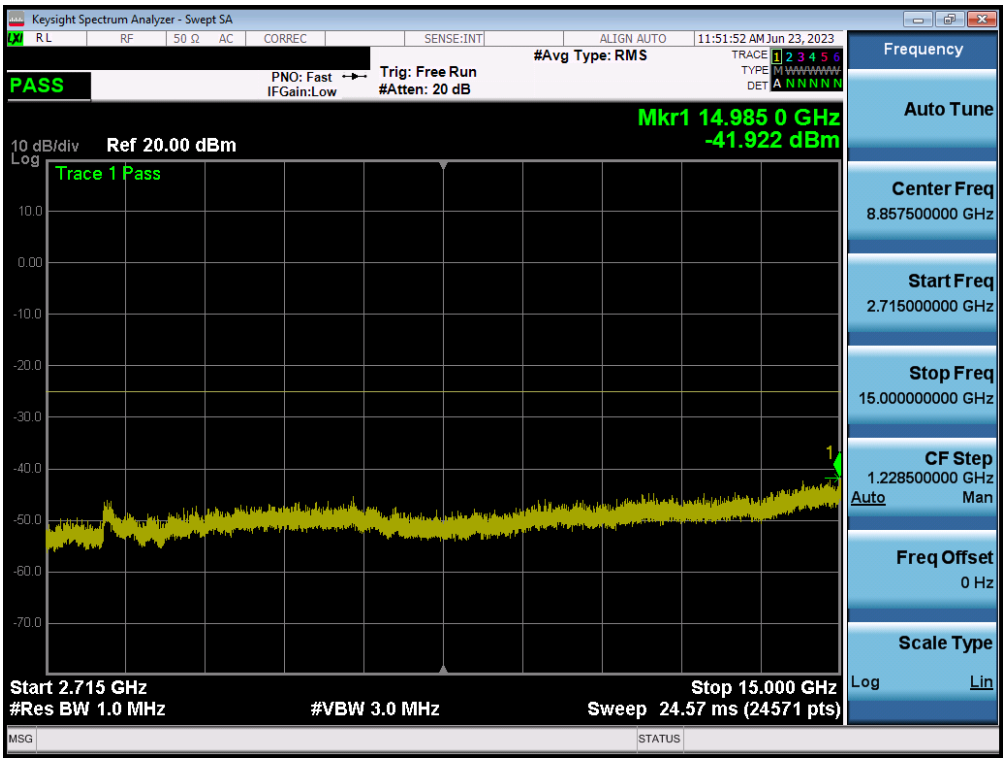
Mode	Bandwidth	Channel	Range [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]
LTE-B41 PC3	20MHz	Low	30.0 - 2475.0	-39.28	-25	-14.28
		Low	2690.0 - 15000.0	-41.86	-25	-16.86
		Low	15000.0 - 27000.0	-41.04	-25	-16.04
		Mid	30.0 - 2496.0	-38.96	-25	-13.96
		Mid	2690.0 - 15000.0	-41.98	-25	-16.98
		Mid	15000.0 - 27000.0	-41.25	-25	-16.25
		High	30.0 - 2496.0	-37.55	-25	-12.55
		High	2715.0 - 15000.0	-41.92	-25	-16.92
		High	15000.0 - 27000.0	-40.80	-25	-15.80
ULCA LTE-B41 PC3	20MHz + 20MHz	Low	30.0 - 2475.0	-37.25	-25	-12.25
		Low	2690.0 - 15000.0	-42.44	-25	-17.44
		Low	15000.0 - 27000.0	-39.81	-25	-14.81
		Mid	30.0 - 2496.0	-37.85	-25	-12.85
		Mid	2690.0 - 15000.0	-42.18	-25	-17.18
		Mid	15000.0 - 27000.0	-39.99	-25	-14.99
		High	30.0 - 2496.0	-37.21	-25	-12.21
		High	2715.0 - 15000.0	-41.71	-25	-16.71
		High	1500.0 - 27000.0	-38.18	-25	-13.18
NR-n41 PC3	100MHz	Low	30.0 - 2470.0	-40.58	-25	-15.58
		Low	2690.0 - 15000.0	-46.17	-25	-21.17
		Low	15000.0 - 27000.0	-45.81	-25	-20.81
		Mid	30.0 - 2496.0	-40.75	-25	-15.75
		Mid	2690.0 - 15000.0	-45.85	-25	-20.85
		Mid	15000.0 - 27000.0	-46.36	-25	-21.36
		High	30.0 - 2496.0	-41.38	-25	-16.38
		High	2715.0 - 15000.0	-46.28	-25	-21.28
		High	15000.0 - 27000.0	-46.75	-25	-21.75

Table 7-9. Conducted Spurious Emission Results – Ant I

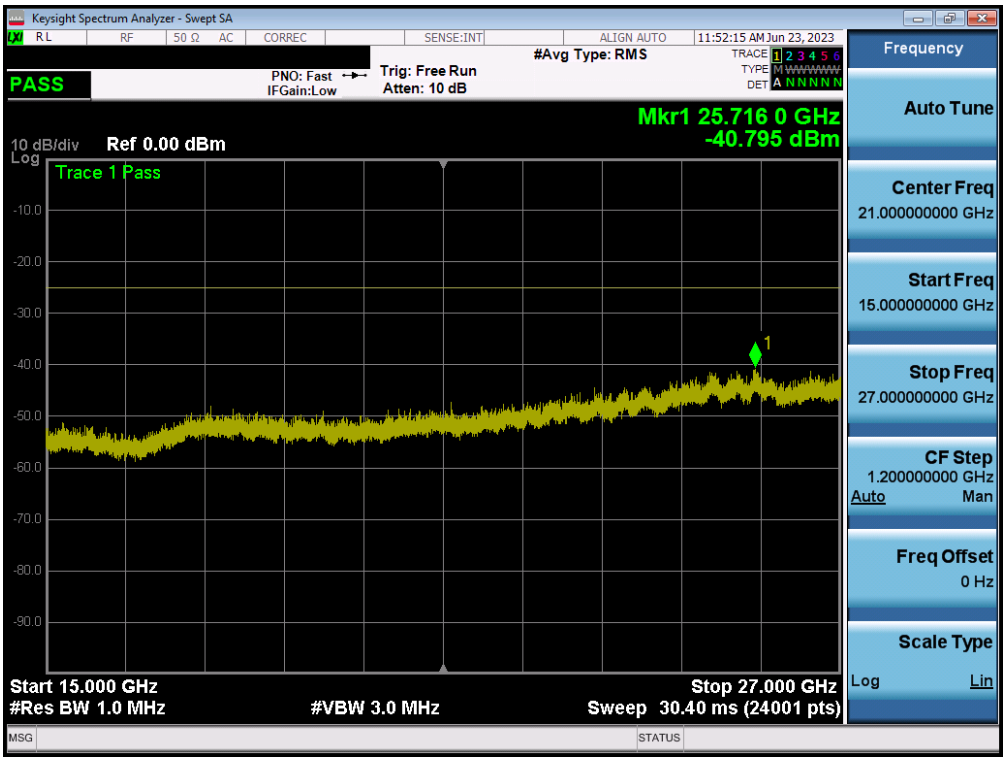
LTE Band 41(PC3) – Ant I



Plot 7-56. Conducted Spurious Plot (LTE Band 41(PC3) - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel – Ant I)

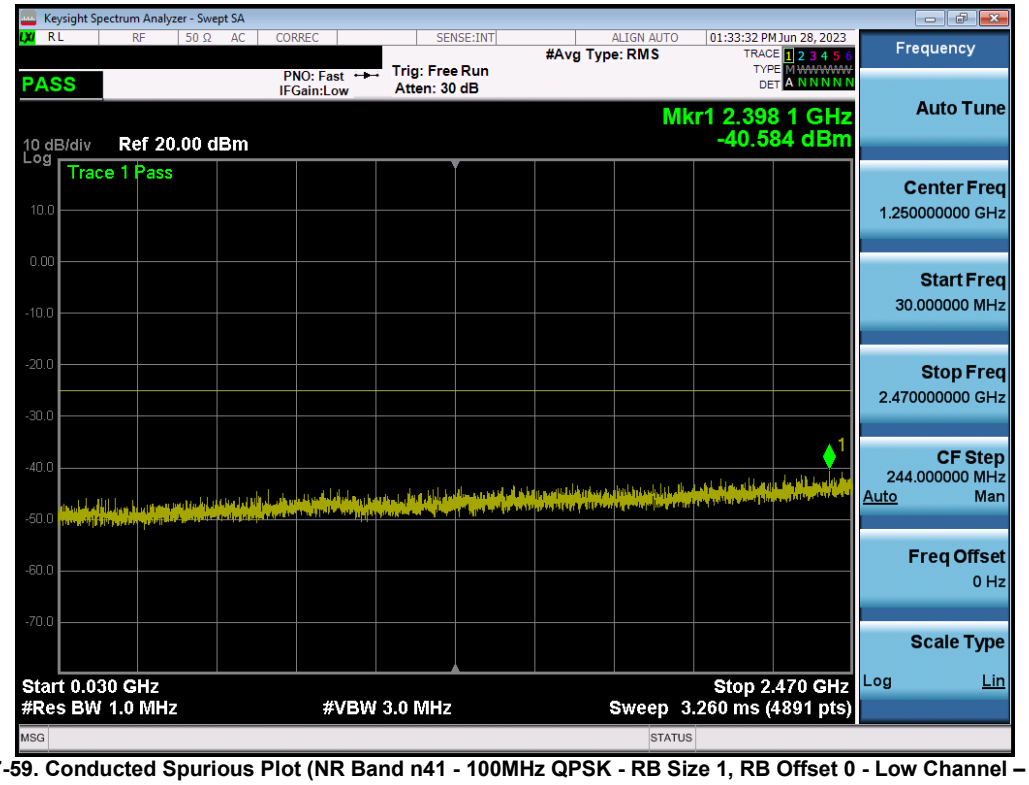


Plot 7-57. Conducted Spurious Plot (LTE Band 41(PC3) - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel – Ant I)

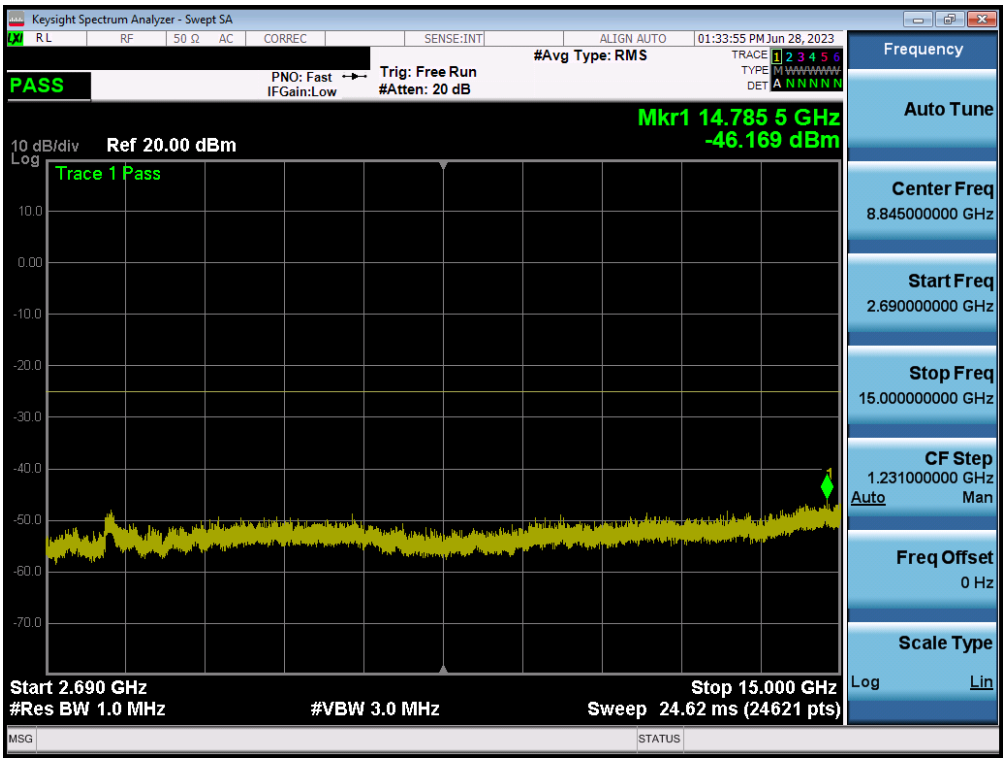


Plot 7-58. Conducted Spurious Plot (LTE Band 41(PC3) - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel – Ant I)

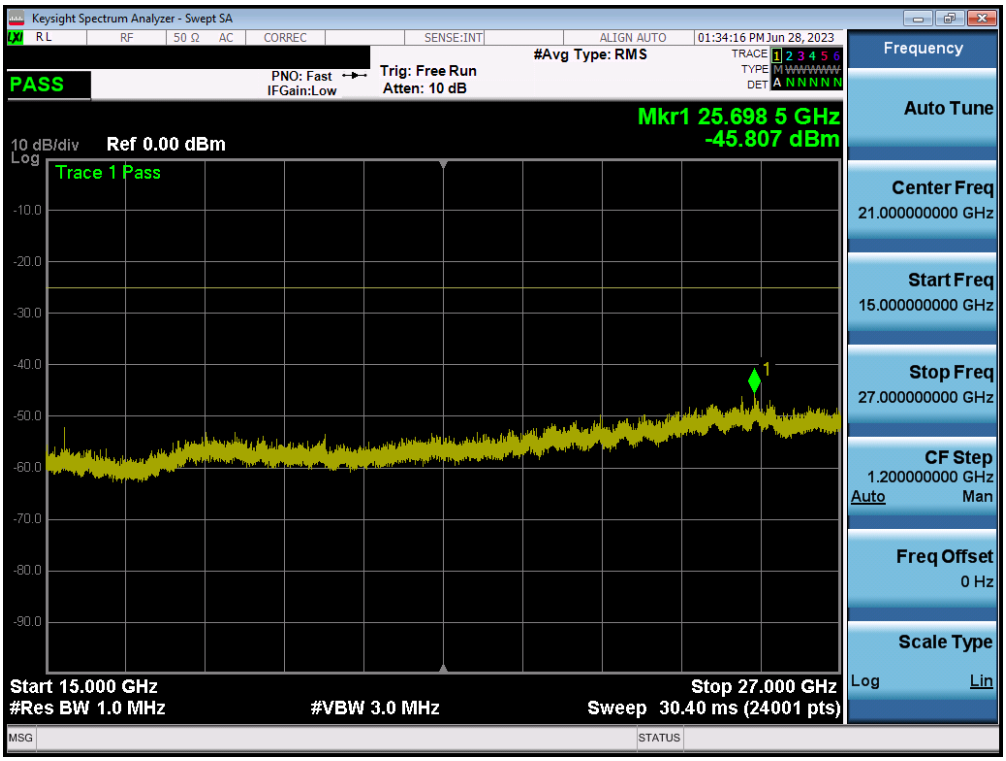
NR Band n41(PC3) – Ant I



Plot 7-59. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - Low Channel – Ant I)

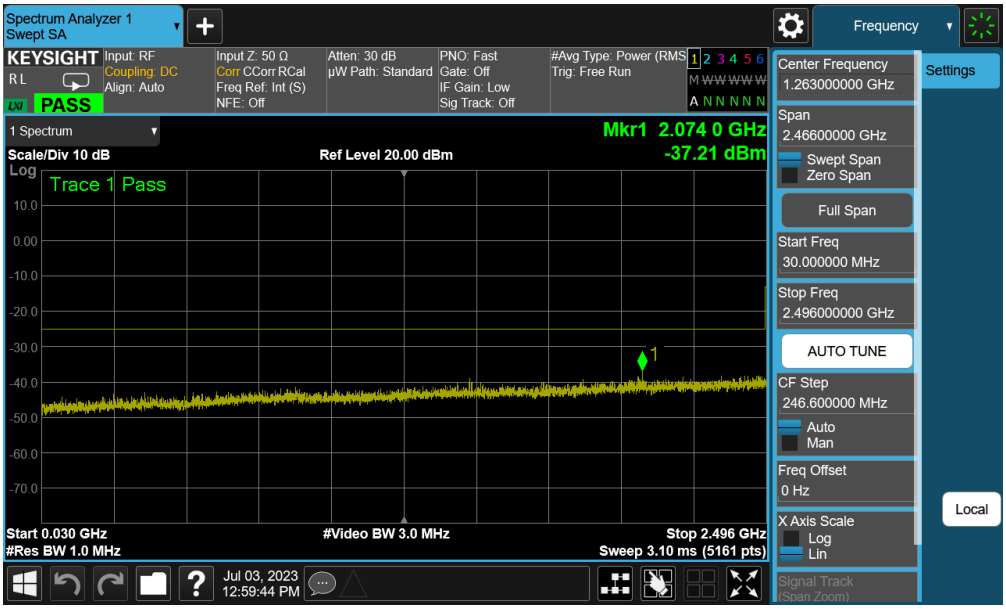


Plot 7-60. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - Low Channel – Ant I)

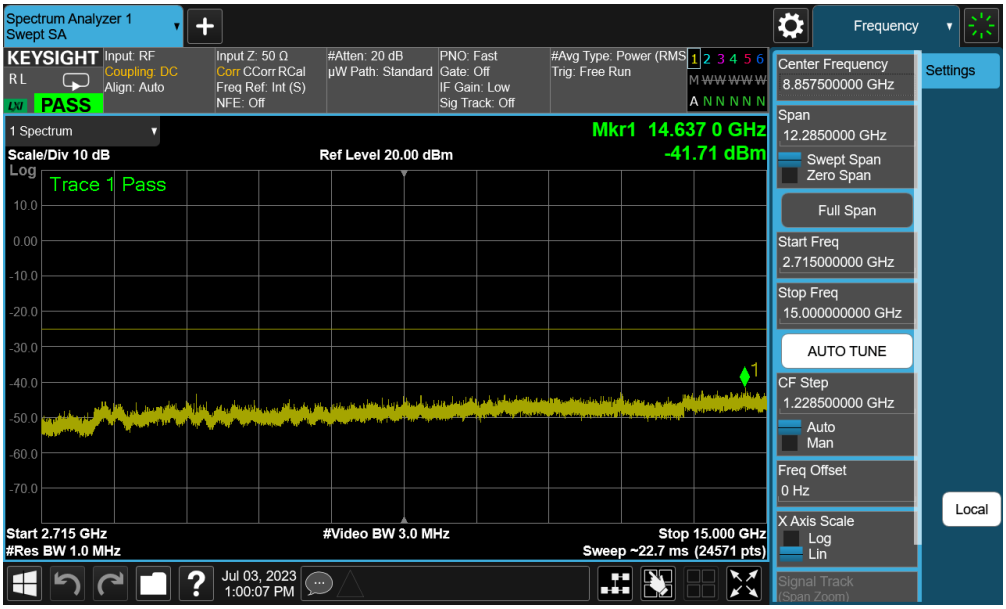


Plot 7-61. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - Low Channel – Ant I)

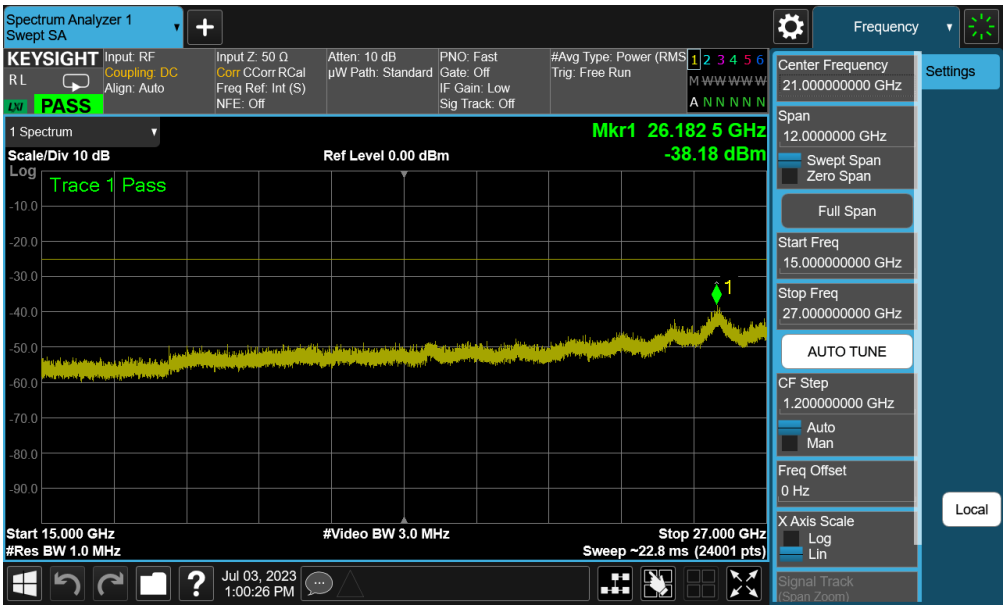
ULCA - LTE B41(PC3) – Ant I



Plot 7-62. Conducted Spurious Plot (ULCA LTE B41(PC3) - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel – Ant I)



Plot 7-63. Conducted Spurious Plot (ULCA LTE B41(PC3) - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel – Ant I)



Plot 7-64. Conducted Spurious Plot (ULCA LTE B41(PC3) - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel – Ant I)

7.5 Band Edge Emissions at Antenna Terminal

Test Overview

All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at maximum power, and at the appropriate frequencies. All data rates 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.

The minimum permissible attenuation level for Band 41 is as noted in the Test Notes on the following page.

Test Procedure Used

ANSI C63.26-2015 – Section 5.7.3

Test Settings

1. Start and stop frequency were set such that the band edge would be placed in the center of the plot
2. Span was set large enough so as to capture all out of band emissions near the band edge
3. RBW ≥ 1% of the emission bandwidth
4. VBW ≥ 3 x RBW
5. Detector = RMS
6. Number of sweep points ≥ 2 x Span/RBW
7. Trace mode = trace average for continuous emissions, max hold for pulse emissions
8. Sweep time = auto couple
9. The trace was allowed to stabilize

Test Setup

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

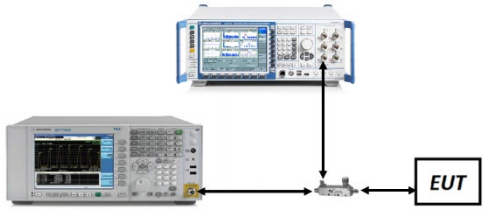


Figure 7-4. Test Instrument & Measurement Setup

Test Notes

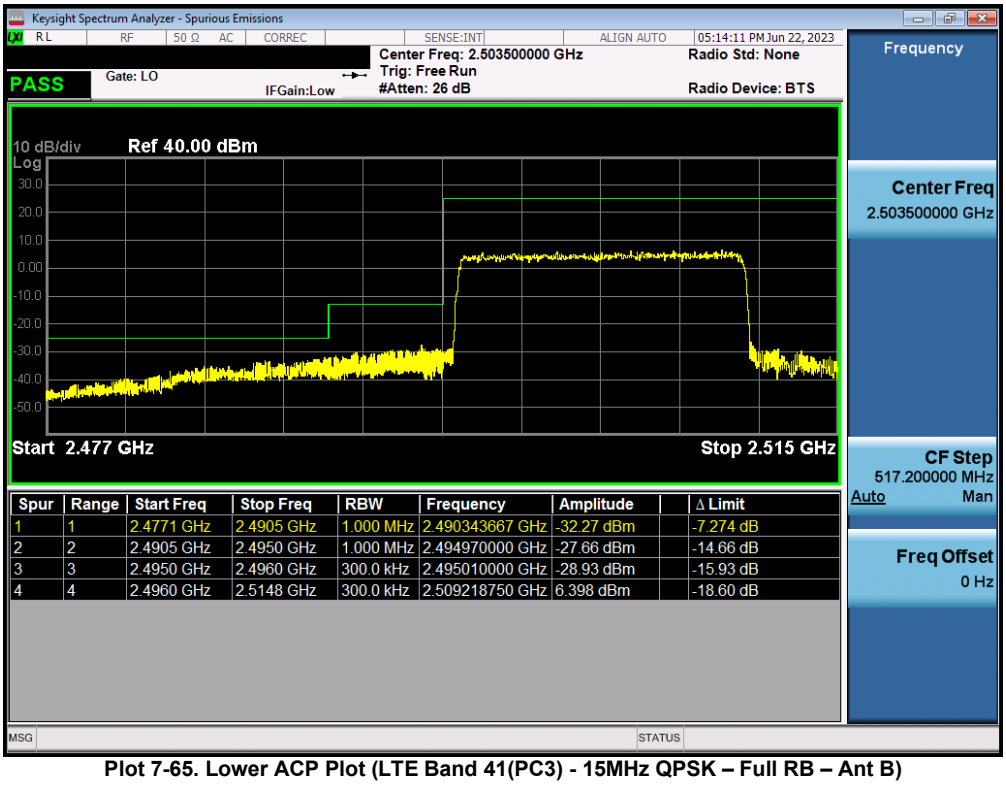
1. Per 27.53(m) for operations in the BRS/EBS bands, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz.

2. 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.

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
LTE B41 PC3	20 MHz	Low	Band Edge	-36.75	-25	-11.75
		High	Band Edge	-42.03	-25	-17.03
	15 MHz	Low	Band Edge	-32.27	-25	-7.27
		High	Band Edge	-37.33	-25	-12.33
	10 MHz	Low	Band Edge	-36.91	-25	-11.91
		High	Band Edge	-39.90	-25	-14.90
	5 MHz	Low	Band Edge	-39.93	-25	-14.93
		High	Band Edge	-39.66	-25	-14.66
ULCA LTE-B41 PC3	20 MHz + 20 MHz	Low	Band Edge	-38.77	-25	-13.77
		High	Band Edge	-37.16	-25	-12.16

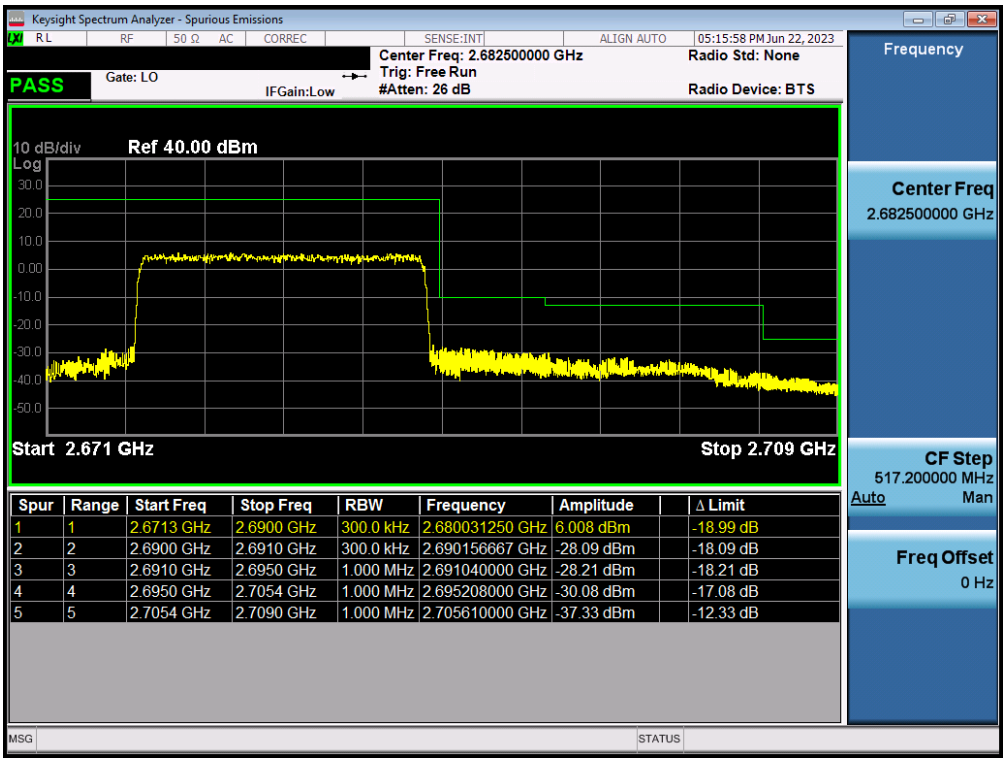
Table 7-10. Conducted Spurious Emission Results – Ant B

LTE Band 41(PC3) – Ant B



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4771 GHz	2.4905 GHz	1.000 MHz	2.490343667 GHz	-32.27 dBm	-7.274 dB
2	2	2.4905 GHz	2.4950 GHz	1.000 MHz	2.494970000 GHz	-27.66 dBm	-14.66 dB
3	3	2.4950 GHz	2.4960 GHz	300.0 kHz	2.495010000 GHz	-28.93 dBm	-15.93 dB
4	4	2.4960 GHz	2.5148 GHz	300.0 kHz	2.509218750 GHz	6.398 dBm	-18.60 dB

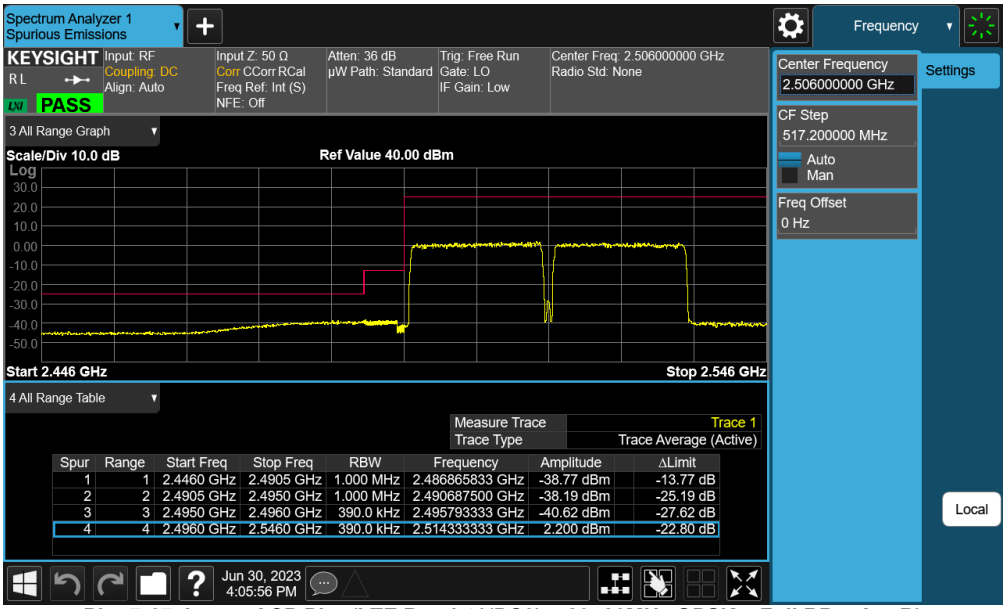
Plot 7-65. Lower ACP Plot (LTE Band 41(PC3) - 15MHz QPSK – Full RB – Ant B)



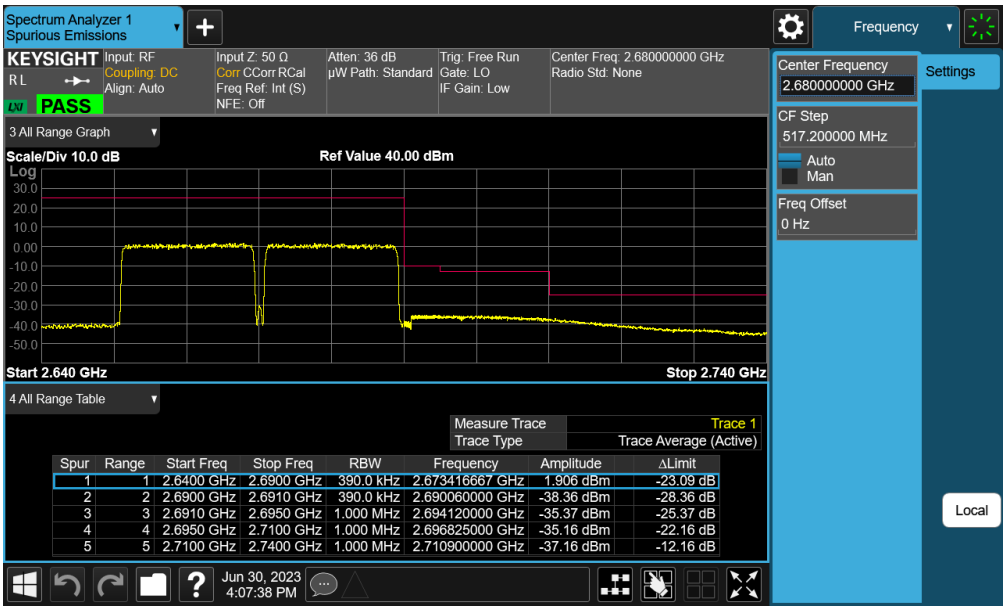
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.6713 GHz	2.6900 GHz	300.0 kHz	2.680031250 GHz	6.008 dBm	-18.99 dB
2	2	2.6900 GHz	2.6910 GHz	300.0 kHz	2.690156667 GHz	-28.09 dBm	-18.09 dB
3	3	2.6910 GHz	2.6950 GHz	1.000 MHz	2.691040000 GHz	-28.21 dBm	-18.21 dB
4	4	2.6950 GHz	2.7054 GHz	1.000 MHz	2.695208000 GHz	-30.08 dBm	-17.08 dB
5	5	2.7054 GHz	2.7090 GHz	1.000 MHz	2.705610000 GHz	-37.33 dBm	-12.33 dB

Plot 7-66. Upper ACP Plot (LTE Band 41(PC3) - 15MHz QPSK – Full RB – Ant B)

ULCA LTE Band 41(PC3) – Ant B



Plot 7-67. Lower ACP Plot (LTE Band 41(PC3) – 20+20MHz QPSK – Full RB – Ant B)

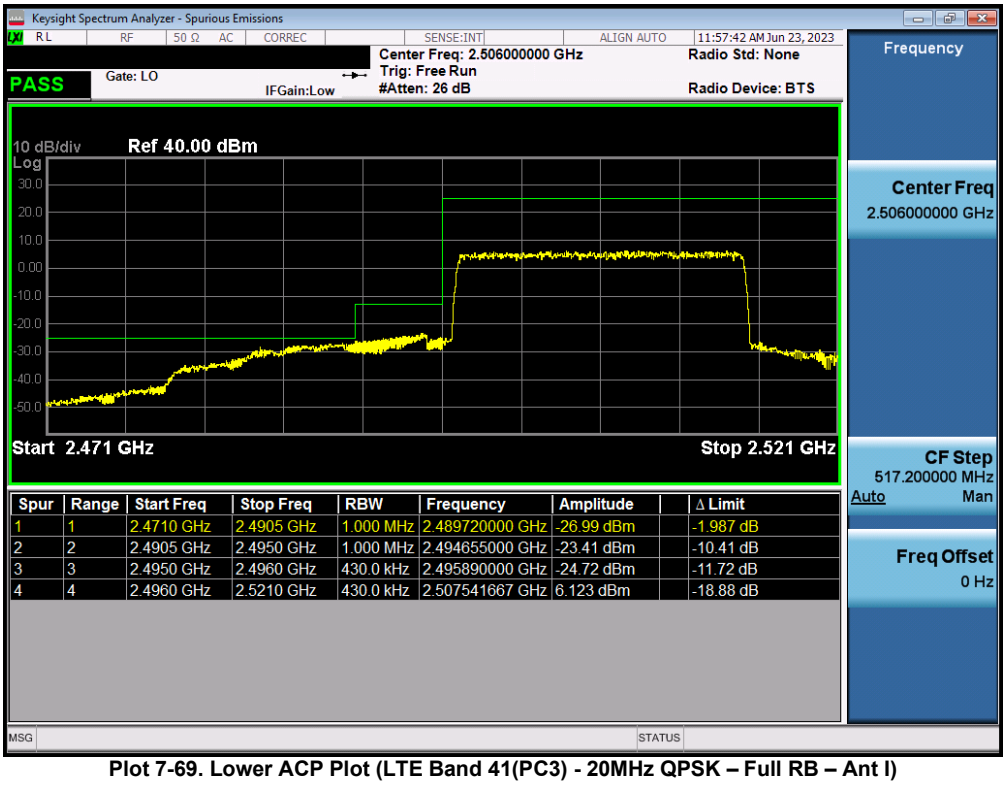


Plot 7-68. Upper ACP Plot (LTE Band 41(PC3) – 20+20MHz QPSK – Full RB – Ant B)

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
LTE B41 PC3	20 MHz	Low	Band Edge	-26.99	-25	-1.99
		High	Band Edge	-26.87	-13	-13.87
	15 MHz	Low	Band Edge	-27.12	-25	-2.12
		High	Band Edge	-20.31	-10	-10.31
	10 MHz	Low	Band Edge	-29.29	-25	-4.29
		High	Band Edge	-22.95	-10	-12.95
	5 MHz	Low	Band Edge	-21.38	-13	-8.38
		High	Band Edge	-19.58	-10	-9.58
ULCA LTE-B41 PC3	20 MHz + 20 MHz	Low	Band Edge	-27.09	-25	-2.09
		High	Band Edge	-30.14	-25	-5.14
NR-n41 PC3	100 MHz	Low	Band Edge	-34.74	-25	-9.74
		High	Band Edge	-33.83	-13	-20.83
	90 MHz	Low	Band Edge	-35.26	-25	-10.26
		High	Band Edge	-36.02	-13	-23.02
	80 MHz	Low	Band Edge	-36.60	-25	-11.60
		High	Band Edge	-32.80	-10	-22.80
	70 MHz	Low	Band Edge	-33.62	-25	-8.62
		High	Band Edge	-32.06	-13	-19.06
	60 MHz	Low	Band Edge	-33.87	-25	-8.87
		High	Band Edge	-24.05	-10	-14.05
	50 MHz	Low	Band Edge	-30.79	-25	-5.79
		High	Band Edge	-28.02	-13	-15.02
	40 MHz	Low	Band Edge	-33.60	-25	-8.60
		High	Band Edge	-28.77	-13	-15.77
	30 MHz	Low	Band Edge	-32.60	-25	-7.60
		High	Band Edge	-28.91	-13	-15.91
	20 MHz	Low	Band Edge	-31.07	-25	-6.07
		High	Band Edge	-41.16	-25	-16.16
	15 MHz	Low	Band Edge	-32.21	-25	-7.21
		High	Band Edge	-31.36	-13	-18.36
	10 MHz	Low	Band Edge	-32.40	-25	-7.40
		High	Band Edge	-27.60	-10	-17.60

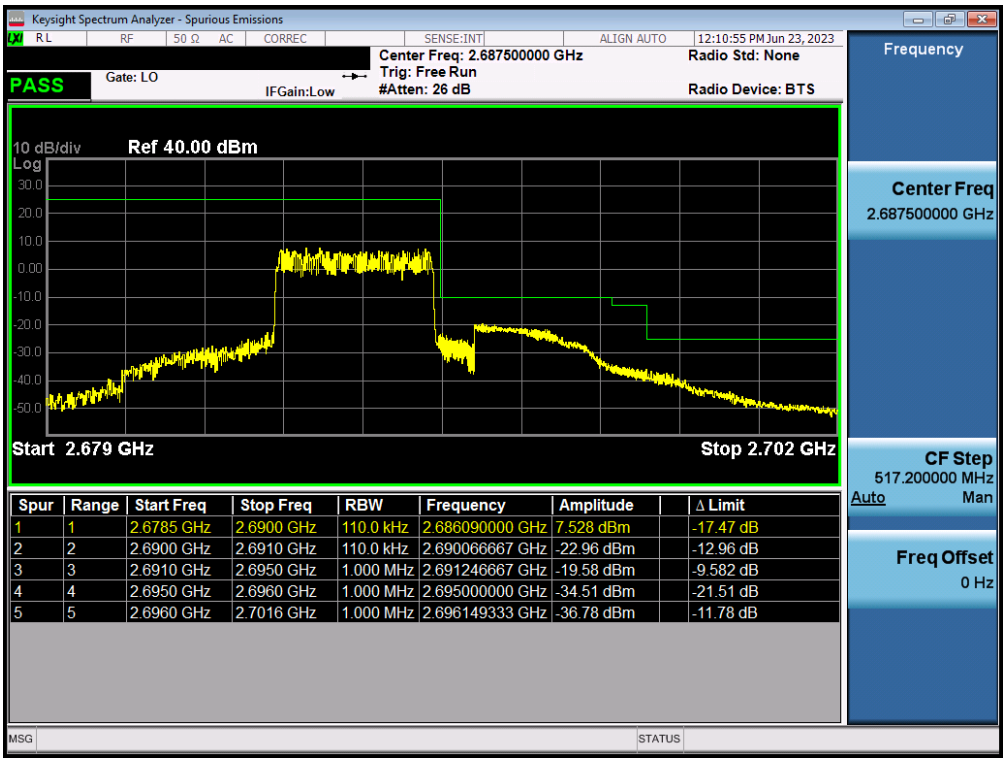
Table 7-11. Conducted Spurious Emission Results – Ant I

LTE Band 41(PC3) – Ant I



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4710 GHz	2.4905 GHz	1.000 MHz	2.489720000 GHz	-26.99 dBm	-1.987 dB
2	2	2.4905 GHz	2.4950 GHz	1.000 MHz	2.494655000 GHz	-23.41 dBm	-10.41 dB
3	3	2.4950 GHz	2.4960 GHz	430.0 kHz	2.495890000 GHz	-24.72 dBm	-11.72 dB
4	4	2.4960 GHz	2.5210 GHz	430.0 kHz	2.507541667 GHz	6.123 dBm	-18.88 dB

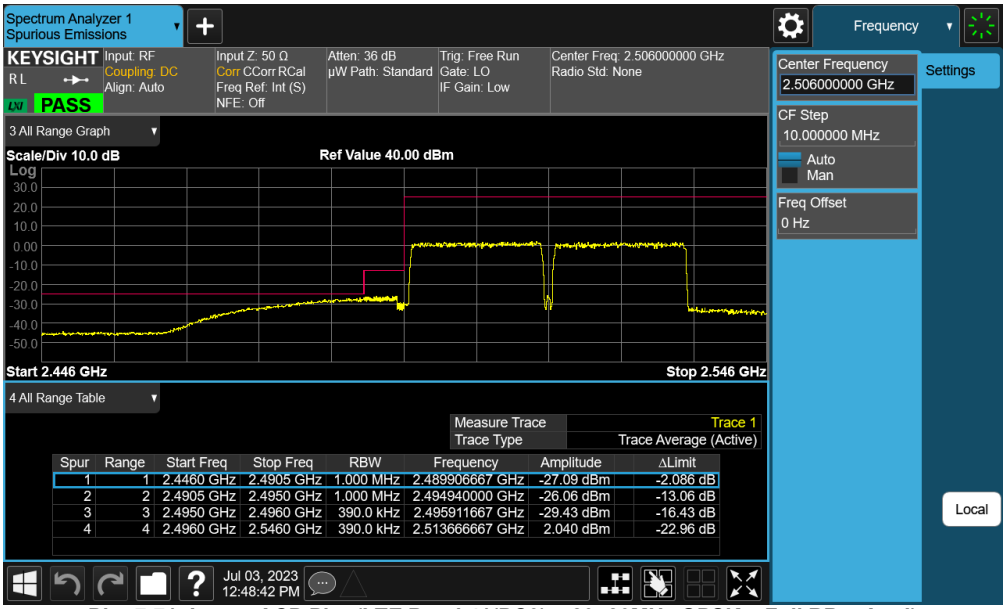
Plot 7-69. Lower ACP Plot (LTE Band 41(PC3) - 20MHz QPSK – Full RB – Ant I)



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.6785 GHz	2.6900 GHz	110.0 kHz	2.686090000 GHz	7.528 dBm	-17.47 dB
2	2	2.6900 GHz	2.6910 GHz	110.0 kHz	2.690066667 GHz	-22.96 dBm	-12.96 dB
3	3	2.6910 GHz	2.6950 GHz	1.000 MHz	2.691246667 GHz	-19.58 dBm	-9.582 dB
4	4	2.6950 GHz	2.6960 GHz	1.000 MHz	2.695000000 GHz	-34.51 dBm	-21.51 dB
5	5	2.6960 GHz	2.7016 GHz	1.000 MHz	2.696149333 GHz	-36.78 dBm	-11.78 dB

Plot 7-70. Upper ACP Plot (LTE Band 41(PC3) - 5MHz QPSK – Full RB – Ant I)

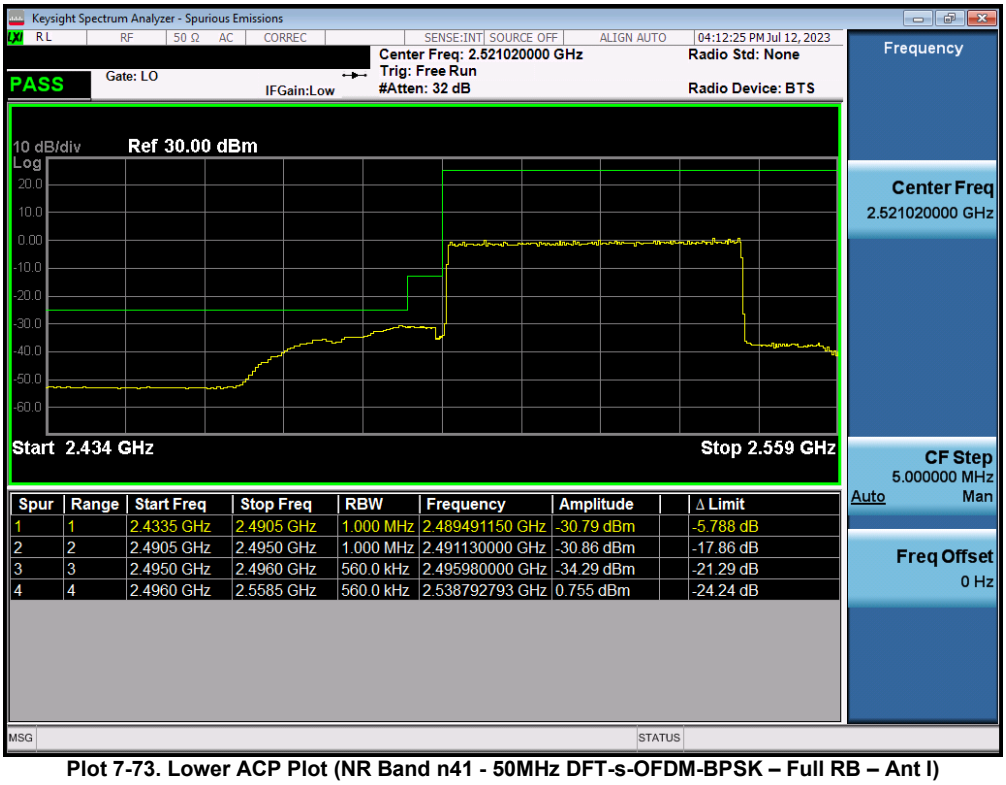
ULCA LTE Band 41(PC3) – Ant I



Plot 7-71. Lower ACP Plot (LTE Band 41(PC3) – 20+20MHz QPSK – Full RB – Ant I)

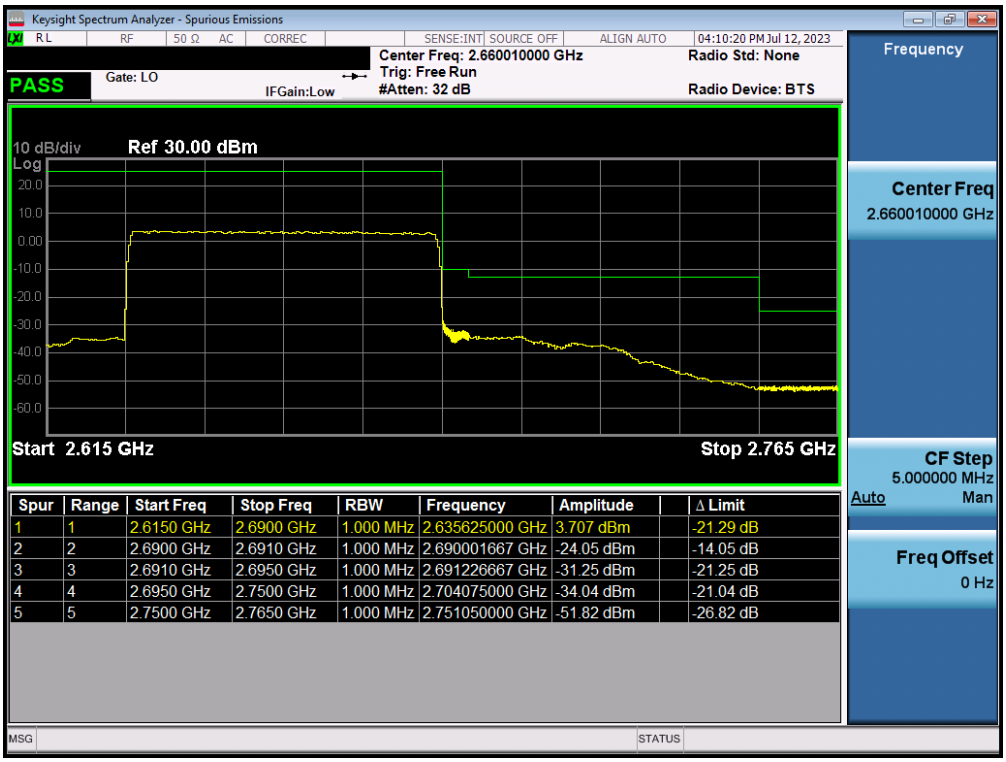
Plot 7-72. Upper ACP Plot (LTE Band 41(PC3) – 20+20MHz QPSK – Full RB – Ant I)

NR Band n41 – Ant I



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4335 GHz	2.4905 GHz	1.000 MHz	2.489491150 GHz	-30.79 dBm	-5.788 dB
2	2	2.4905 GHz	2.4950 GHz	1.000 MHz	2.491130000 GHz	-30.86 dBm	-17.86 dB
3	3	2.4950 GHz	2.4960 GHz	560.0 kHz	2.495980000 GHz	-34.29 dBm	-21.29 dB
4	4	2.4960 GHz	2.5585 GHz	560.0 kHz	2.538792793 GHz	0.755 dBm	-24.24 dB

Plot 7-73. Lower ACP Plot (NR Band n41 - 50MHz DFT-s-OFDM-BPSK – Full RB – Ant I)



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.6150 GHz	2.6900 GHz	1.000 MHz	2.635625000 GHz	3.707 dBm	-21.29 dB
2	2	2.6900 GHz	2.6910 GHz	1.000 MHz	2.690001667 GHz	-24.05 dBm	-14.05 dB
3	3	2.6910 GHz	2.6950 GHz	1.000 MHz	2.691226667 GHz	-31.25 dBm	-21.25 dB
4	4	2.6950 GHz	2.7500 GHz	1.000 MHz	2.704075000 GHz	-34.04 dBm	-21.04 dB
5	5	2.7500 GHz	2.7650 GHz	1.000 MHz	2.751050000 GHz	-51.82 dBm	-26.82 dB

Plot 7-74. Upper ACP Plot (NR Band n41 - 60MHz DFT-s-OFDM-QPSK – Full RB – Ant I)

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.

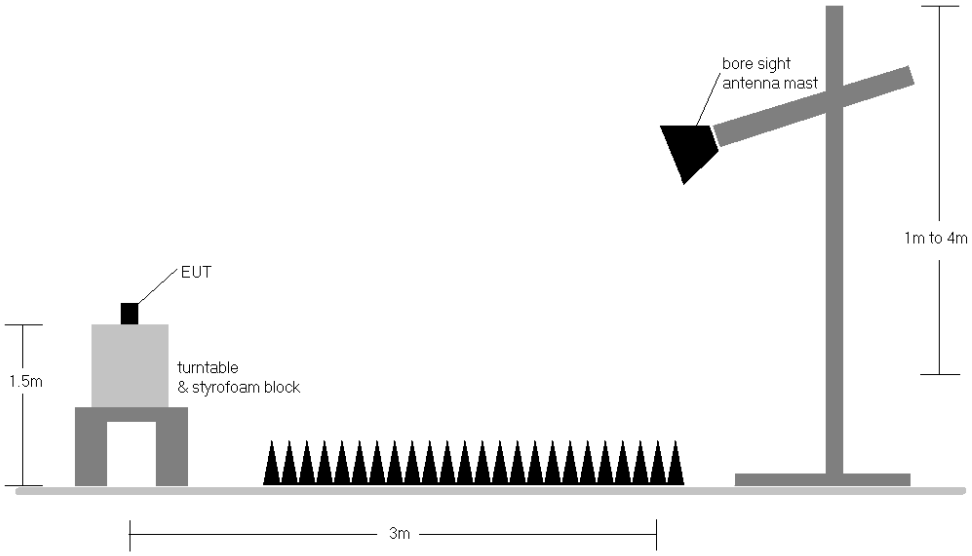


Figure 7-5. Radiated Test Setup >1GHz

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]	EUT Config	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	Half	117	194	4.91	1 / 99	14.03	**18.94**	0.078	33.01	-14.07
	QPSK	2593.0	H	Half	109	197	4.97	1 / 99	13.27	18.24	0.067	33.01	-14.77
	QPSK	2680.0	H	Half	123	194	5.15	1 / 0	13.07	18.22	0.066	33.01	-14.79
	16-QAM	2506.0	H	Half	117	194	4.91	1 / 99	13.27	18.18	0.066	33.01	-14.83
15 MHz	QPSK	2503.5	H	Half	117	194	4.92	1 / 0	14.11	**19.03**	0.080	33.01	-13.98
	QPSK	2593.0	H	Half	109	197	4.97	1 / 0	13.49	18.46	0.070	33.01	-14.55
	QPSK	2682.5	H	Half	123	194	5.14	1 / 37	13.42	18.56	0.072	33.01	-14.45
	16-QAM	2503.5	H	Half	117	194	4.92	1 / 0	13.48	18.40	0.069	33.01	-14.61
10 MHz	QPSK	2501.0	H	Half	117	194	4.93	1 / 25	14.29	**19.22**	0.084	33.01	-13.79
	QPSK	2593.0	H	Half	109	197	4.97	1 / 0	13.09	18.06	0.064	33.01	-14.95
	QPSK	2685.0	H	Half	123	194	5.14	1 / 0	13.51	18.65	0.073	33.01	-14.36
	16-QAM	2501.0	H	Half	117	194	4.93	1 / 25	13.80	18.73	0.075	33.01	-14.28
5 MHz	QPSK	2498.5	H	Half	117	194	4.89	1 / 12	14.27	**19.17**	0.083	33.01	-13.84
	QPSK	2593.0	H	Half	109	197	4.97	1 / 0	13.45	18.42	0.070	33.01	-14.59
	QPSK	2687.5	H	Half	123	194	5.13	1 / 0	13.33	18.47	0.070	33.01	-14.54
	16-QAM	2498.5	H	Half	117	194	4.89	1 / 0	13.34	18.23	0.067	33.01	-14.78
20 MHz	QPSK (Opposite pol.)	2506.0	V	Half	133	274	4.91	1 / 99	11.78	16.69	0.047	33.01	-16.32
	QPSK (WCP)	2506.0	H	Half	110	184	4.91	1 / 99	13.87	18.78	0.075	33.01	-14.23
	QPSK	2506.0	H	Open	115	197	4.91	1 / 0	13.46	18.37	0.069	33.01	-14.64

Table 7-12. EIRP Data (LTE Band 41(PC3) – Ant B)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	EUT config	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	Open	111	203	4.91	1 / 99	17.53	22.44	0.175	33.01	-10.57
	QPSK	2593.0	H	Open	125	195	4.97	1 / 99	20.33	25.30	0.339	33.01	-7.71
	QPSK	2680.0	H	Open	117	199	5.15	1 / 50	20.25	**25.40**	0.347	33.01	-7.61
	16-QAM	2680.0	H	Open	117	199	5.15	1 / 50	19.01	24.16	0.261	33.01	-8.85
15 MHz	QPSK	2503.5	H	Open	111	203	4.92	1 / 0	17.69	22.60	0.182	33.01	-10.41
	QPSK	2593.0	H	Open	125	195	4.97	1 / 37	20.47	25.44	0.350	33.01	-7.57
	QPSK	2682.5	H	Open	117	199	5.14	1 / 0	20.50	**25.65**	0.367	33.01	-7.36
	16-QAM	2682.5	H	Open	117	199	5.14	1 / 0	19.23	24.37	0.274	33.01	-8.64
10 MHz	QPSK	2501.0	H	Open	111	203	4.93	1 / 25	17.82	22.74	0.188	33.01	-10.27
	QPSK	2593.0	H	Open	125	195	4.97	1 / 49	20.53	25.49	0.354	33.01	-7.52
	QPSK	2685.0	H	Open	117	199	5.14	1 / 49	20.76	**25.90**	0.389	33.01	-7.12
	16-QAM	2685.0	H	Open	117	199	5.14	1 / 25	19.14	24.27	0.268	33.01	-8.74
5 MHz	QPSK	2498.5	H	Open	111	203	4.89	1 / 12	17.88	22.77	0.189	33.01	-10.24
	QPSK	2593.0	H	Open	125	195	4.97	1 / 0	20.52	**25.49**	0.354	33.01	-7.52
	QPSK	2687.5	H	Open	117	199	5.13	1 / 24	20.09	25.23	0.333	33.01	-7.78
	16-QAM	2593.0	H	Open	125	195	4.97	1 / 12	19.33	24.30	0.269	33.01	-8.71
20 MHz	QPSK (Opposite Pol.)	2680.0	V	Oepn	311	276	5.15	1 / 0	18.85	24.00	0.251	33.01	-9.01
	QPSK (WCP)	2680.0	H	Open	118	193	5.15	1 / 0	20.00	25.15	0.327	33.01	-7.86
	QPSK	2680.0	H	Half	245	306	5.15	1 / 99	17.04	22.19	0.166	33.01	-10.82

Table 7-13. EIRP Data (LTE Band 41(PC3) – Ant I)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	EUT Config	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	Open	124	204	4.64	1 / 204	20.36	25.00	0.316	33.01	-8.01
	π/2 BPSK	2593.0	H	Open	109	195	4.97	1 / 204	21.12	26.09	0.406	33.01	-6.92
	π/2 BPSK	2640.0	H	Open	109	194	4.97	1 / 136	21.26	**26.23**	0.420	33.01	-6.78
	QPSK	2546.0	H	Open	124	204	4.64	1 / 204	20.33	24.97	0.314	33.01	-8.04
	QPSK	2593.0	H	Open	109	195	4.97	1 / 204	21.14	26.11	0.408	33.01	-6.90
	QPSK	2640.0	H	Open	109	194	4.97	1 / 136	21.23	26.20	0.417	33.01	-6.81
	16-QAM	2593.0	H	Open	109	195	4.97	1 / 204	20.09	25.06	0.321	33.01	-7.95
90 MHz	π/2 BPSK	2541.0	H	Open	124	204	4.64	1 / 243	20.48	25.12	0.325	33.01	-7.89
	π/2 BPSK	2593.0	H	Open	109	195	4.97	1 / 243	21.14	26.11	0.408	33.01	-6.90
	π/2 BPSK	2645.0	H	Open	109	194	5.00	1 / 1	21.23	26.23	0.420	33.01	-6.78
	QPSK	2541.0	H	Open	124	204	4.64	1 / 121	20.36	25.00	0.316	33.01	-8.01
	QPSK	2593.0	H	Open	109	195	4.97	1 / 243	21.13	26.10	0.407	33.01	-6.91
	QPSK	2645.0	H	Open	109	194	5.00	1 / 1	21.23	**26.23**	0.420	33.01	-6.78
	16-QAM	2593.0	H	Open	109	195	4.97	1 / 243	20.57	25.54	0.358	33.01	-7.47
80 MHz	π/2 BPSK	2536.0	H	Open	124	204	4.64	1 / 215	20.36	25.00	0.316	33.01	-8.01
	π/2 BPSK	2593.0	H	Open	109	195	4.97	1 / 215	21.14	26.11	0.408	33.01	-6.90
	π/2 BPSK	2650.0	H	Open	109	194	5.03	1 / 1	21.32	**26.35**	0.432	33.01	-6.66
	QPSK	2536.0	H	Open	124	204	4.64	1 / 108	20.23	24.87	0.307	33.01	-8.14
	QPSK	2593.0	H	Open	109	195	4.97	1 / 215	21.13	26.10	0.407	33.01	-6.91
	QPSK	2650.0	H	Open	109	194	5.03	1 / 1	21.23	26.26	0.423	33.01	-6.75
	16-QAM	2593.0	H	Open	109	195	4.97	1 / 215	20.61	25.58	0.361	33.01	-7.43
70 MHz	π/2 BPSK	2531.0	H	Open	124	204	4.64	1 / 180	20.28	24.92	0.310	33.01	-8.09
	π/2 BPSK	2593.0	H	Open	109	195	4.97	1 / 180	21.10	26.07	0.404	33.01	-6.94
	π/2 BPSK	2655.0	H	Open	109	194	5.03	1 / 1	21.32	**26.35**	0.432	33.01	-6.66
	QPSK	2531.0	H	Open	124	204	4.64	1 / 90	20.15	24.79	0.301	33.01	-8.22
	QPSK	2593.0	H	Open	109	195	4.97	1 / 180	21.14	26.11	0.408	33.01	-6.90
	QPSK	2655.0	H	Open	109	194	5.03	1 / 1	21.23	26.26	0.423	33.01	-6.75
	16-QAM	2593.0	H	Open	109	195	4.97	1 / 180	20.61	25.58	0.361	33.01	-7.43
60 MHz	π/2 BPSK	2526.0	H	Open	124	204	4.66	1 / 160	20.52	25.18	0.330	33.01	-7.83
	π/2 BPSK	2593.0	H	Open	109	195	4.97	1 / 160	21.16	26.13	0.410	33.01	-6.88
	π/2 BPSK	2660.0	H	Open	109	194	5.09	1 / 1	21.18	**26.27**	0.424	33.01	-6.74
	QPSK	2526.0	H	Open	124	204	4.66	1 / 160	20.52	25.18	0.330	33.01	-7.83
	QPSK	2593.0	H	Open	109	195	4.97	1 / 160	21.15	26.12	0.409	33.01	-6.89
	QPSK	2660.0	H	Open	109	194	5.09	1 / 1	21.14	26.23	0.420	33.01	-6.78
	16-QAM	2593.0	H	Open	109	195	4.97	1 / 160	20.83	25.80	0.380	33.01	-7.21
50 MHz	π/2 BPSK	2521.0	H	Open	124	204	4.69	1 / 131	20.53	25.22	0.333	33.01	-7.79
	π/2 BPSK	2593.0	H	Open	109	195	4.97	1 / 131	21.12	26.09	0.406	33.01	-6.92
	π/2 BPSK	2665.0	H	Open	109	194	5.10	1 / 1	21.20	**26.30**	0.427	33.01	-6.71
	QPSK	2521.0	H	Open	124	204	4.69	1 / 131	20.40	25.09	0.323	33.01	-7.92
	QPSK	2593.0	H	Open	109	195	4.97	1 / 131	21.10	26.07	0.404	33.01	-6.94
	QPSK	2665.0	H	Open	109	194	5.10	1 / 1	21.04	26.14	0.411	33.01	-6.87
	16-QAM	2593.0	H	Open	109	195	4.97	1 / 131	20.59	25.56	0.360	33.01	-7.45
40 MHz	π/2 BPSK	2516.0	H	Open	124	204	4.78	1 / 1	20.51	25.29	0.338	33.01	-7.72
	π/2 BPSK	2593.0	H	Open	109	195	4.97	1 / 104	21.09	26.06	0.404	33.01	-6.95
	π/2 BPSK	2670.0	H	Open	109	194	5.10	1 / 104	21.09	26.19	0.416	33.01	-6.82
	QPSK	2516.0	H	Open	124	204	4.78	1 / 1	20.34	25.12	0.325	33.01	-7.89
	QPSK	2593.0	H	Open	109	195	4.97	1 / 104	21.16	26.13	0.410	33.01	-6.88
	QPSK	2670.0	H	Open	109	194	5.10	1 / 104	22.07	**27.17**	0.521	33.01	-5.84
	16-QAM	2593.0	H	Open	109	195	4.97	1 / 104	20.88	25.85	0.384	33.01	-7.16
30 MHz	π/2 BPSK	2511.0	H	Open	124	204	4.87	1 / 1	20.30	25.18	0.330	33.01	-7.83
	π/2 BPSK	2593.0	H	Open	109	195	4.97	1 / 76	21.13	26.10	0.407	33.01	-6.91
	π/2 BPSK	2675.0	H	Open	109	194	5.13	1 / 1	21.13	**26.26**	0.423	33.01	-6.75
	QPSK	2511.0	H	Open	124	204	4.87	1 / 1	20.14	25.02	0.318	33.01	-7.99
	QPSK	2593.0	H	Open	109	195	4.97	1 / 76	21.12	26.09	0.406	33.01	-6.92
	QPSK	2675.0	H	Open	109	194	5.13	1 / 1	21.10	26.23	0.420	33.01	-6.78
	16-QAM	2593.0	H	Open	109	195	4.97	1 / 76	20.58	25.55	0.359	33.01	-7.46
20 MHz	π/2 BPSK	2506.0	H	Open	124	204	4.91	1 / 1	20.38	25.29	0.338	33.01	-7.72
	π/2 BPSK	2593.0	H	Open	109	195	4.97	1 / 50	21.09	26.06	0.404	33.01	-6.95
	π/2 BPSK	2680.0	H	Open	109	194	5.15	1 / 50	21.04	26.19	0.416	33.01	-6.82
	QPSK	2506.0	H	Open	124	204	4.91	1 / 1	20.21	25.12	0.325	33.01	-7.89
	QPSK	2593.0	H	Open	109	195	4.97	1 / 50	21.16	26.13	0.410	33.01	-6.88
	QPSK	2680.0	H	Open	109	194	5.15	1 / 50	22.02	**27.17**	0.521	33.01	-5.84
	16-QAM	2593.0	H	Open	109	195	4.97	1 / 50	20.88	25.85	0.384	33.01	-7.16
15 MHz	π/2 BPSK	2503.5	H	Open	124	204	4.91	1 / 1	20.31	25.22	0.333	33.01	-7.79
	π/2 BPSK	2593.0	H	Open	109	195	4.97	1 / 36	21.05	26.02	0.400	33.01	-6.99
	π/2 BPSK	2682.5	H	Open	109	194	5.15	1 / 1	21.02	26.17	0.414	33.01	-6.84
	QPSK	2503.5	H	Open	124	204	4.91	1 / 1	20.16	25.07	0.321	33.01	-7.94
	QPSK	2593.0	H	Open	109	195	4.97	1 / 36	21.07	26.04	0.402	33.01	-6.97
	QPSK	2682.5	H	Open	109	194	5.15	1 / 1	20.86	26.01	0.399	33.01	-7.00
	16-QAM	2593.0	H	Open	109	195	4.97	1 / 36	20.61	25.58	0.361	33.01	-7.43
10 MHz	π/2 BPSK	2501.0	H	Open	124	204	4.91	1 / 1	20.21	25.12	0.325	33.01	-7.89
	π/2 BPSK	2593.0	H	Open	109	195	4.97	1 / 22	20.99	25.96	0.394	33.01	-7.05
	π/2 BPSK	2685.0	H	Open	109	194	5.15	1 / 1	21.00	26.15	0.412	33.01	-6.86
	QPSK	2501.0	H	Open	124	204	4.91	1 / 1	20.15	25.06	0.321	33.01	-7.95
	QPSK	2593.0	H	Open	109	195	4.97	1 / 22	21.06	26.03	0.401	33.01	-6.98
	QPSK	2685.0	H	Open	109	194	5.15	1 / 1	20.84	25.99	0.397	33.01	-7.02
	16-QAM	2593.0	H	Open	109	195	4.97	1 / 22	20.60	25.57	0.360	33.01	-7.44
100 MHz	QPSK (CP-OFDM)	2640.0	H	Open	109	194	4.97	1 / 136	19.71	24.68	0.294	33.01	-8.33
	QPSK (Opposite Pol.)	2640.0	V	Open	242	270	4.97	1 / 136	20.60	25.57	0.361	33.01	-7.44
	QPSK (WCP)	2640.0	H	Open	141	200	4.97	1 / 136	19.70	24.67	0.293	33.01	-8.34
	QPSK	2640.0	H	Half	245	306	5.15	1 / 99	17.04	22.19	0.166	33.01	-10.82

Table 7-14. EIRP Data (NR Band n41(PC3) – Ant I)

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.

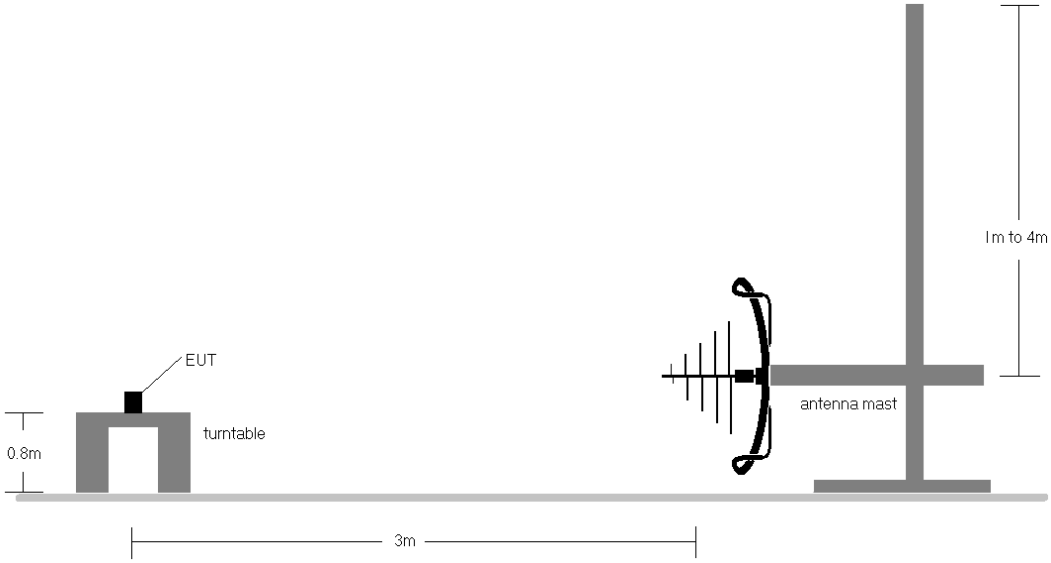


Figure 7-6. Test Instrument & Measurement Setup < 1GHz

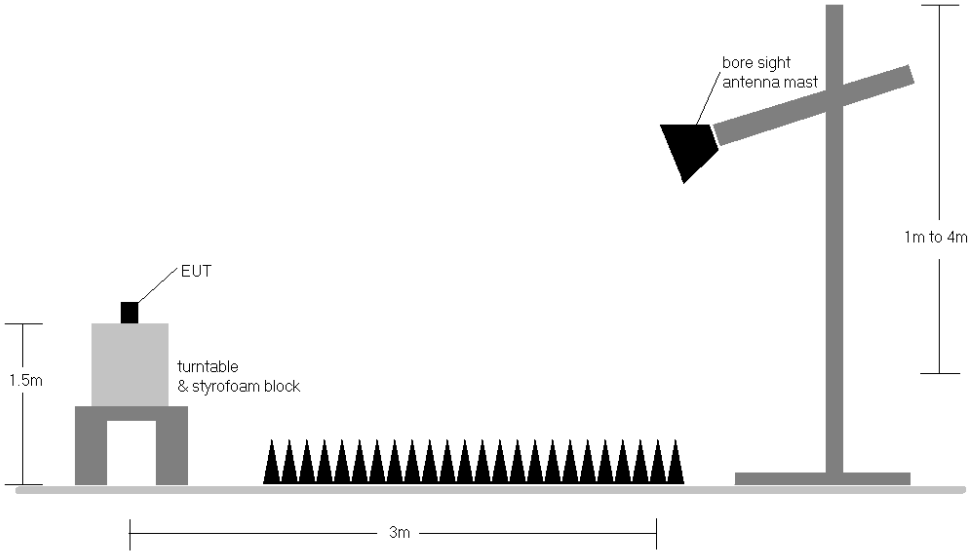


Figure 7-7. Test Instrument & Measurement Setup >1 GHz

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.

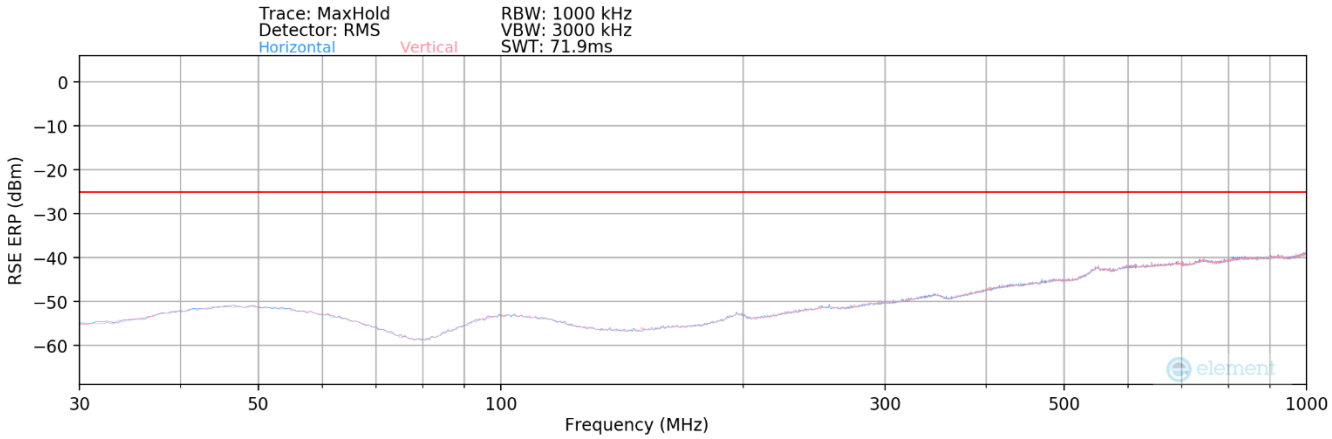
6) The "-" shown in the following RSE tables are used to denote a noise floor measurement.

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.

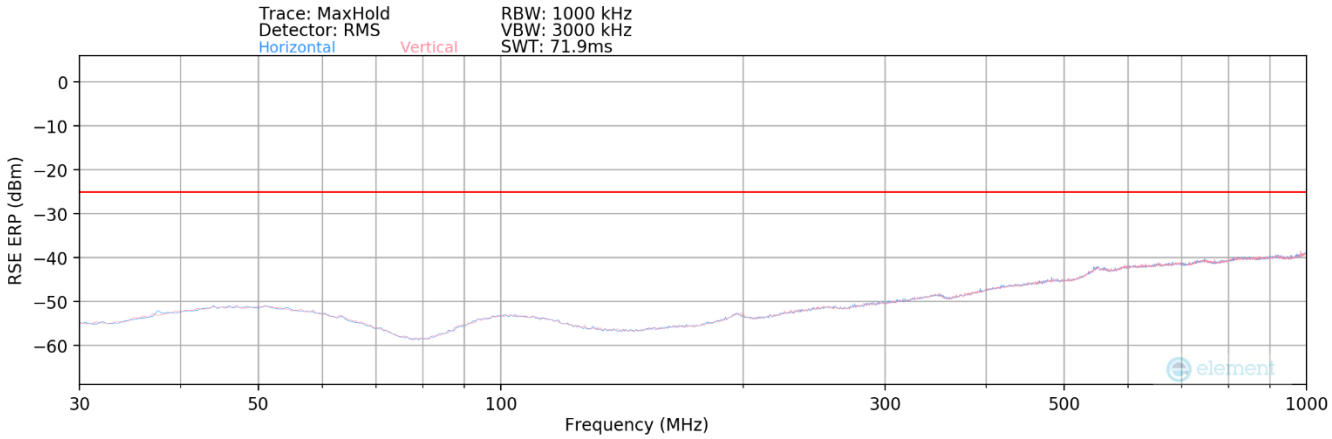
8) For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

9) Spurious emission in EN-DC Operating mode with Sub 6GHz NR carrier as well as an LTE carrier (anchor) has been checked. The EUT was configured through software to transmit in a standalone mode as this was found to produce the worst case emissions.

LTE Band 41(PC3) – Ant B



Plot 7-75. Radiated Spurious Plot Below 1GHz (LTE Band 41(PC3) – Ant B) – CLOSE

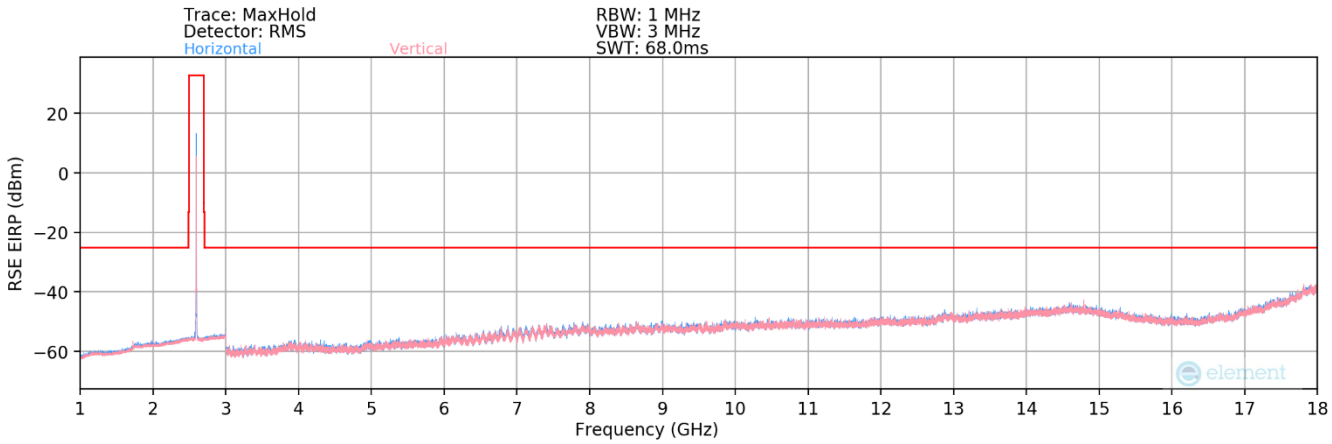


Plot 7-76. Radiated Spurious Plot Below 1GHz (LTE Band 41(PC3) – Ant B) – OPEN

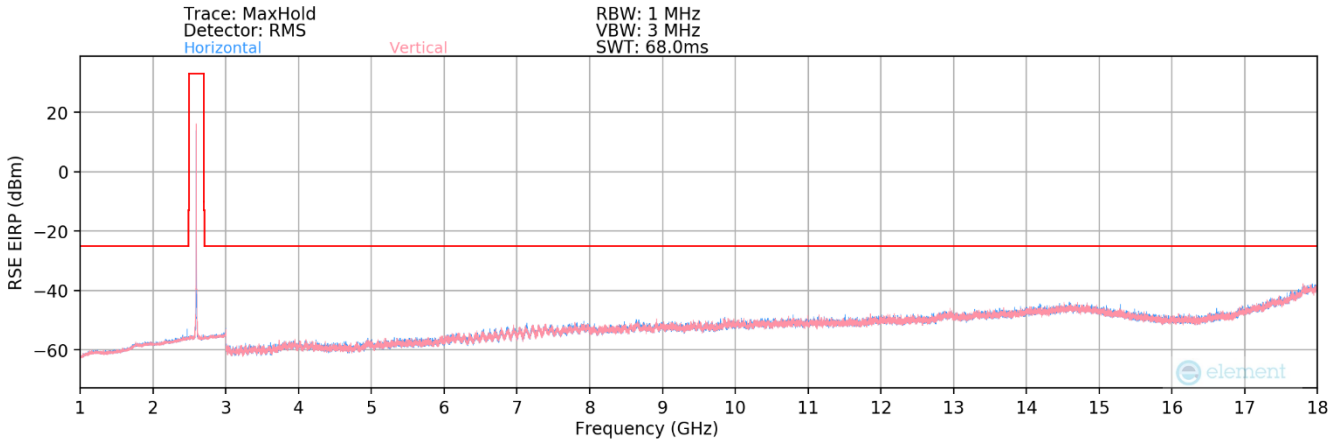
Bandwidth (MHz):	20
Frequency (MHz):	2593.0
RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
282.82	H	-	-	-82.52	20.12	44.60	-52.81	-25.00	-27.81
567.35	H	-	-	-81.68	25.56	50.88	-46.53	-25.00	-21.53
870.90	H	-	-	-82.74	30.16	54.42	-42.98	-25.00	-17.98

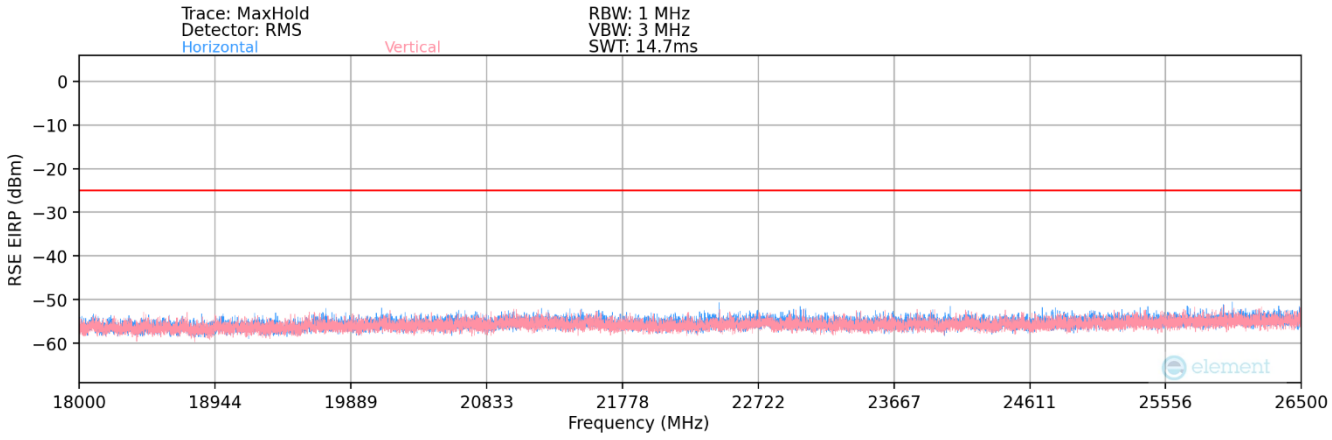
Table 7-15. Radiated Spurious Data Below 1GHz (LTE Band 41(PC3) – Ant B) – CLOSE



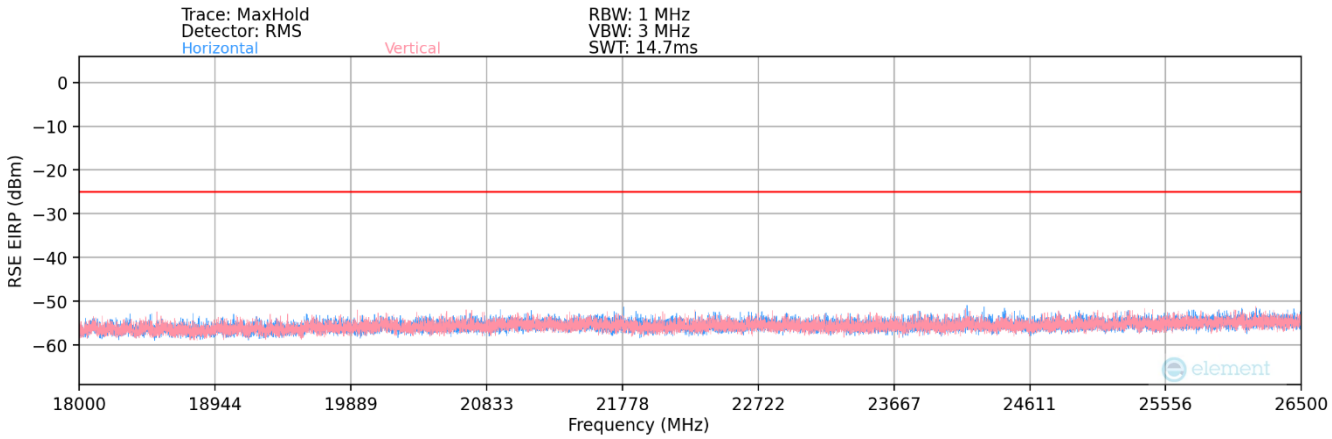
Plot 7-77. Radiated Spurious Plot Above 1GHz (LTE Band 41(PC3) – Ant B) – CLOSE



Plot 7-78. Radiated Spurious Plot Above 1GHz (LTE Band 41(PC3) – Ant B) – OPEN



Plot 7-79. Radiated Spurious Plot Above 18GHz (LTE Band 41(PC3) – Ant B) – CLOSE



Plot 7-80. Radiated Spurious Plot Above 18GHz (LTE Band 41(PC3) – Ant B) – OPEN

Bandwidth (MHz):	20
Frequency (MHz):	2506.0
RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5012.00	H	315	231	-62.65	1.33	45.68	-49.58	-25.00	-24.58
7518.00	H	-	-	-69.10	6.53	44.43	-50.82	-25.00	-25.82
10024.00	H	-	-	-70.27	11.03	47.76	-47.50	-25.00	-22.50
12530.00	H	-	-	-71.48	13.55	49.07	-46.19	-25.00	-21.19
15036.00	H	-	-	-72.75	16.99	51.24	-44.02	-25.00	-19.02
17542.00	H	-	-	-73.85	20.97	54.12	-41.14	-25.00	-16.14

Table 7-16. Radiated Spurious Data (LTE Band 41(PC3) – Low Channel – Ant B) – CLOSE

Bandwidth (MHz):	20
Frequency (MHz):	2593.0
RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.00	H	301	228	-60.96	1.63	47.67	-47.59	-25.00	-22.59
7779.00	H	-	-	-68.75	7.28	45.53	-49.73	-25.00	-24.73
10372.00	H	-	-	-71.83	11.50	46.67	-48.59	-25.00	-23.59
12965.00	H	-	-	-71.95	14.99	50.04	-45.22	-25.00	-20.22
15558.00	H	-	-	-72.67	14.94	49.27	-45.99	-25.00	-20.99

Table 7-17. Radiated Spurious Data (LTE Band 41(PC3) – Mid Channel – Ant B) – CLOSE

Bandwidth (MHz):	20
Frequency (MHz):	2680.0
RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5360.00	H	309	234	-62.42	2.31	46.89	-48.37	-25.00	-23.37
8040.00	H	-	-	-70.30	7.97	44.67	-50.59	-25.00	-25.59
10720.00	H	-	-	-72.40	12.02	46.62	-48.64	-25.00	-23.64
13400.00	H	-	-	-71.23	15.28	51.05	-44.21	-25.00	-19.21
16080.00	H	-	-	-73.39	14.10	47.71	-47.54	-25.00	-22.54

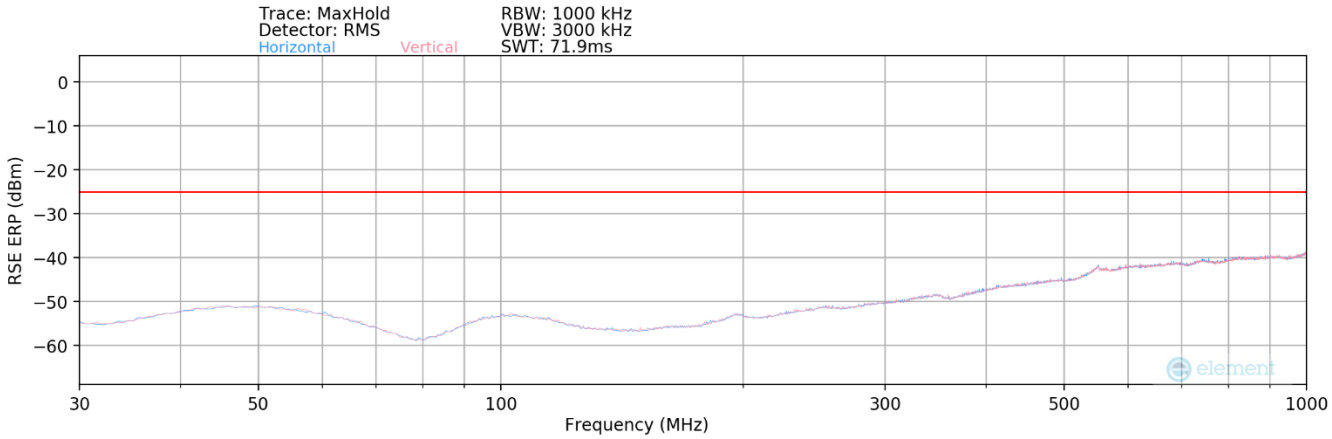
Table 7-18. Radiated Spurious Data (LTE Band 41(PC3) – High Channel – Ant B) – CLOSE

Case:	w/ Wireless Charging Pad
Bandwidth (MHz):	20
Frequency (MHz):	2593.0
RB / Offset:	1 / 0

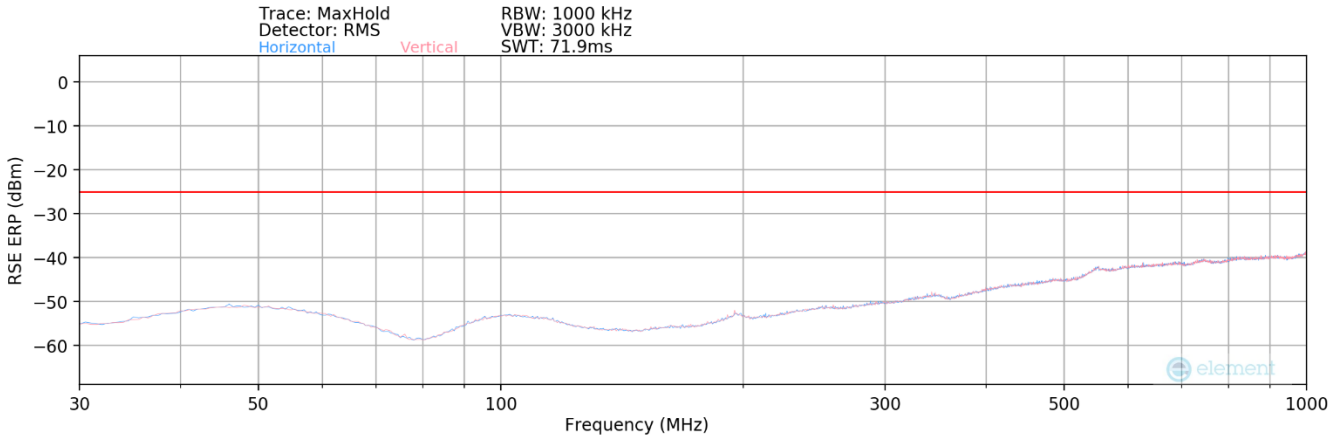
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.00	H	291	237	-61.44	1.63	47.19	-48.07	-25.00	-23.07
7779.00	H	384	242	-67.56	7.28	46.72	-48.54	-25.00	-23.54
10372.00	H	-	-	-71.77	11.50	46.73	-48.53	-25.00	-23.53
12965.00	H	-	-	-71.35	14.99	50.64	-44.62	-25.00	-19.62
15558.00	H	-	-	-72.88	14.94	49.06	-46.20	-25.00	-21.20

Table 7-19. Radiated Spurious Data (LTE Band 41(PC3) – Mid Channel – Ant B) – WCP – CLOSE

LTE Band 41(PC3) – Ant I



Plot 7-81. Radiated Spurious Plot Below 1GHz (LTE Band 41(PC3) – Ant I) – CLOSE

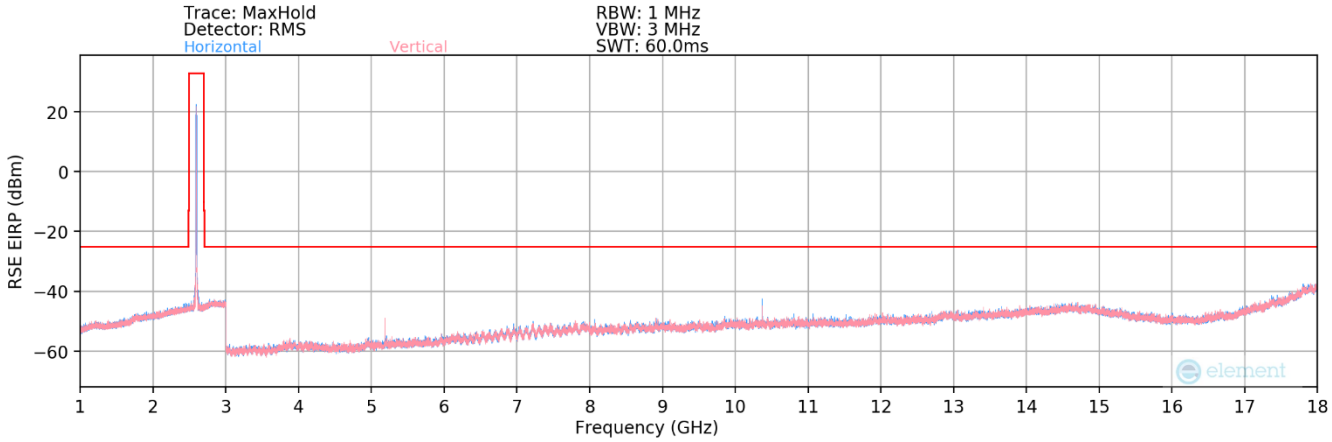


Plot 7-82. Radiated Spurious Plot Below 1GHz (LTE Band 41(PC3) – Ant I) – OPEN

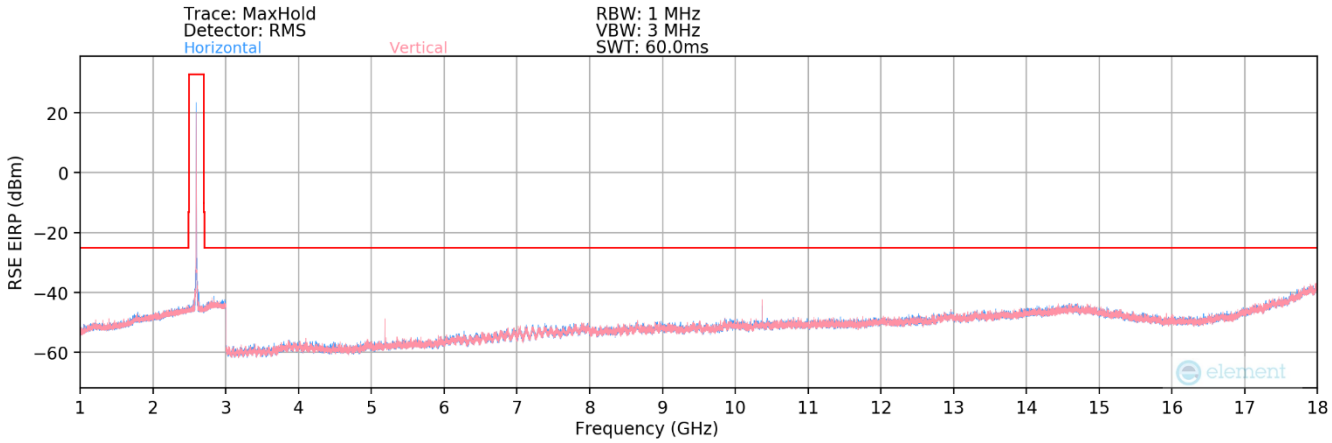
Bandwidth (MHz):	20
Frequency (MHz):	2680.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
196.96	V	-	-	-80.44	18.49	45.05	-52.36	-25.00	-27.36
637.33	V	-	-	-77.59	26.65	56.06	-41.34	-25.00	-16.34
829.21	V	-	-	-78.47	29.68	58.21	-39.19	-25.00	-14.19

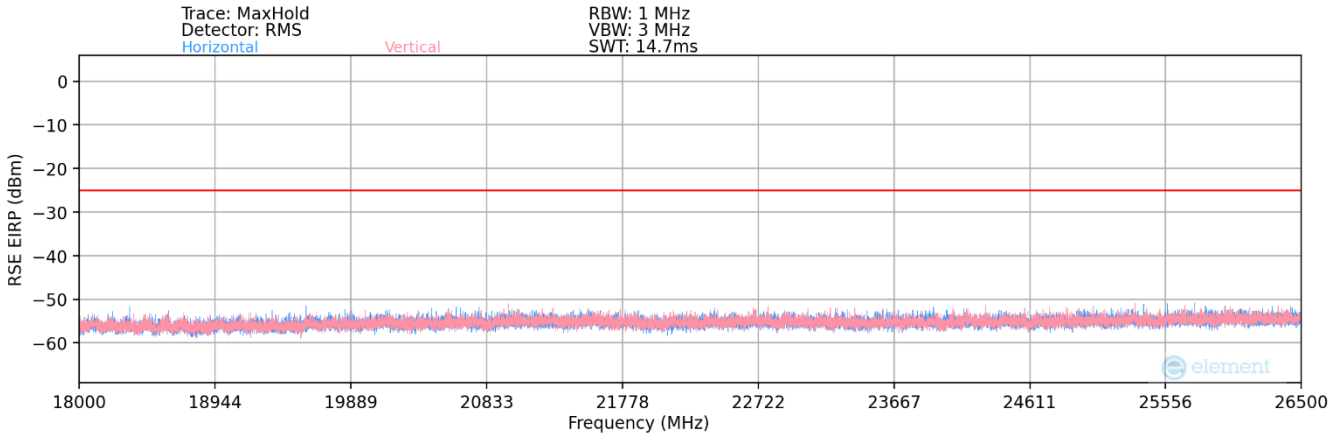
Table 7-20. Radiated Spurious Data Below 1GHz (LTE Band 41(PC3) – Ant I) – CLOSE



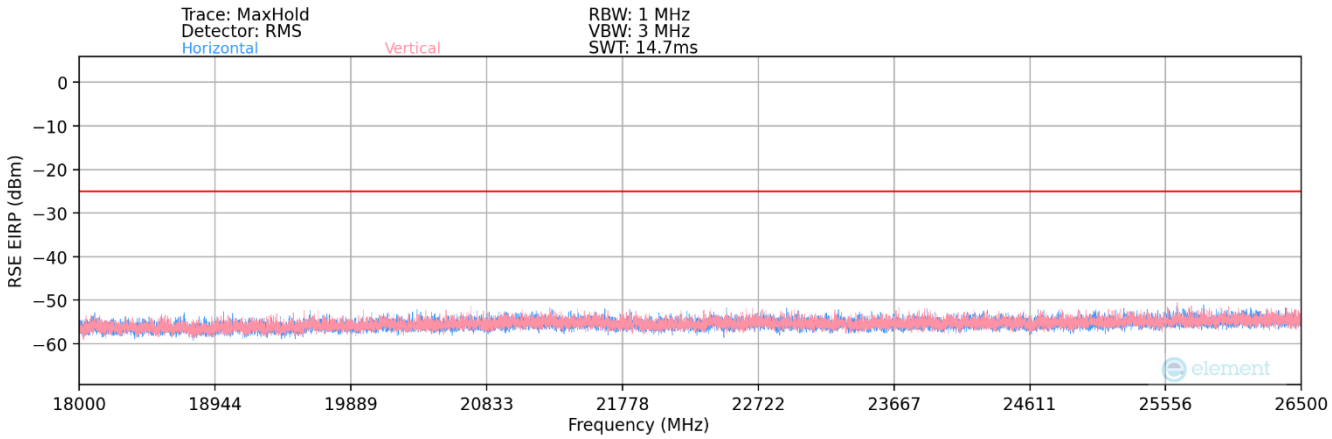
Plot 7-83. Radiated Spurious Plot Above 1GHz (LTE Band 41(PC3) – Ant I) – CLOSE



Plot 7-84. Radiated Spurious Plot Above 1GHz (LTE Band 41(PC3) – Ant I) – OPEN



Plot 7-85. Radiated Spurious Plot Above 1GHz (LTE Band 41(PC3) – Ant I) – CLOSE



Plot 7-86. Radiated Spurious Plot Above 1GHz (LTE Band 41(PC3) – Ant I) – OPEN

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5012.00	V	122	134	-62.86	1.33	45.47	-49.79	-25.00	-24.79
7518.00	V	118	130	-66.20	6.53	47.33	-47.92	-25.00	-22.92
10024.00	V	110	144	-68.01	11.03	50.02	-45.24	-25.00	-20.24
12530.00	V	-	-	-73.02	13.55	47.53	-47.73	-25.00	-22.73
15036.00	V	-	-	-73.56	16.99	50.43	-44.83	-25.00	-19.83
17542.00	V	-	-	-74.71	20.97	53.26	-42.00	-25.00	-17.00

Table 7-21. Radiated Spurious Data (LTE Band 41(PC3) – Low Channel – Ant I) – CLOSE

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.00	V	107	137	-58.69	1.63	49.94	-45.32	-25.00	-20.32
7779.00	V	-	-	-69.43	7.28	44.85	-50.41	-25.00	-25.41
10372.00	V	122	130	-66.85	11.50	51.65	-43.61	-25.00	-18.61
12965.00	V	-	-	-72.44	14.99	49.55	-45.71	-25.00	-20.71
15558.00	V	-	-	-73.60	14.94	48.34	-46.92	-25.00	-21.92
18151.00	V	-	-	-58.12	1.51	50.38	-54.42	-25.00	-29.42

Table 7-22. Radiated Spurious Data (LTE Band 41(PC3) – Mid Channel – Ant I) – CLOSE

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5360.00	V	112	136	-52.42	2.31	56.89	-38.37	-25.00	-13.37
8040.00	V	110	132	-68.86	7.97	46.11	-49.15	-25.00	-24.15
10720.00	V	110	146	-63.24	12.02	55.78	-39.48	-25.00	-14.48
13400.00	V	110	160	-71.82	15.28	50.46	-44.80	-25.00	-19.80
16080.00	V	-	-	-72.90	14.10	48.20	-47.05	-25.00	-22.05
18760.00	V	-	-	-57.91	1.79	50.88	-53.92	-25.00	-28.92
21440.00	V	-	-	-59.78	4.00	51.22	-53.58	-25.00	-28.58

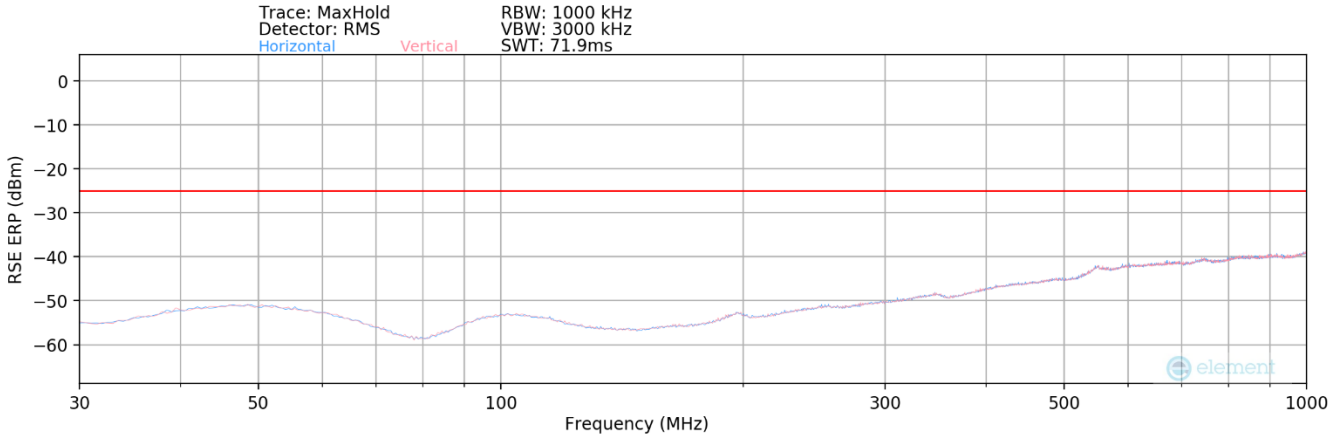
Table 7-23. Radiated Spurious Data (LTE Band 41(PC3) – High Channel – Ant I) – CLOSE

Case:	w/ Wireless Charging Pad
Bandwidth (MHz):	20
Frequency (MHz):	2680.0
RB / Offset:	1 / 50

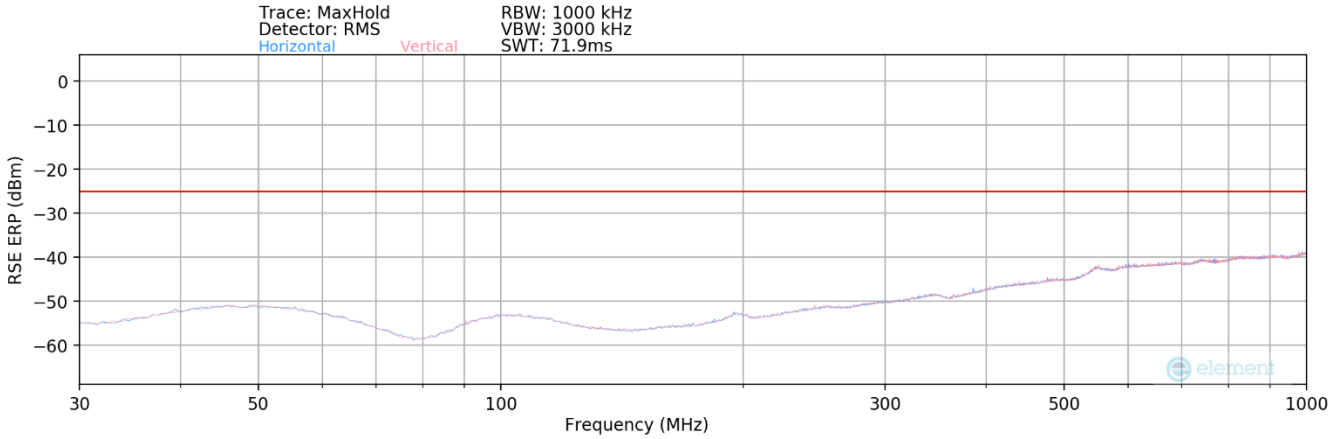
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5360.00	V	132	205	-56.18	2.31	53.13	-42.13	-25.00	-17.13
8040.00	V	147	210	-67.91	7.97	47.06	-48.20	-25.00	-23.20
10720.00	V	162	203	-63.52	12.02	55.50	-39.76	-25.00	-14.76
13400.00	V	153	196	-72.16	15.28	50.12	-45.14	-25.00	-20.14
16080.00	V	-	-	-71.31	14.10	49.79	-45.46	-25.00	-20.46
18760.00	V	-	-	-58.41	1.79	50.38	-54.42	-25.00	-29.42
21440.00	V	-	-	-59.12	4.00	51.88	-52.92	-25.00	-27.92

Table 7-24. Radiated Spurious Data (LTE Band 41(PC3) – Mid Channel – Ant I) – WCP – CLOSE

ULCA LTE Band 41(PC3) – Ant B



Plot 7-87. Radiated Spurious Plot Below 1GHz (ULCA LTE Band 41 – Ant B) – CLOSE



Plot 7-88. Radiated Spurious Plot Below 1GHz (ULCA LTE Band 41 – Ant B) – OPEN

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
283.31	V	-	-	-82.63	20.14	44.51	-52.90	-25.00	-27.90
608.15	V	-	-	-80.86	26.62	52.76	-44.65	-25.00	-19.65
816.64	V	-	-	-82.16	29.41	54.25	-43.16	-25.00	-18.16

Table 7-25. Radiated Spurious Data Below 1GHz (ULCA LTE Band 41 – Ant B) – CLOSE