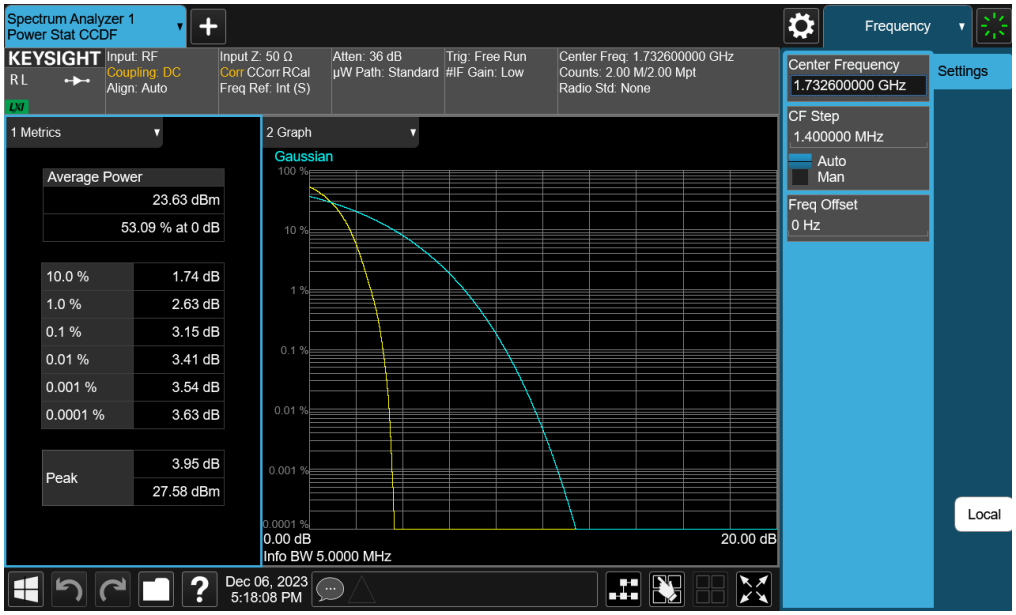
Mode	Bandwidth	Modulation	Average Power [dBm]	PAR at 0.1% [dB]	PAR Limit [dB]	Margin [dB]
WCDMA-AWS	N/A	Spread Spectrum	23.63	3.15	13	-9.85
LTE-B66-4	20 MHz	QPSK	22.66	5.95	13	-7.05
		256QAM	18.59	6.88	13	-6.12
	15 MHz	QPSK	22.65	6.25	13	-6.75
		256QAM	18.55	6.82	13	-6.18
	10 MHz	QPSK	22.64	5.94	13	-7.06
		256QAM	18.53	6.85	13	-6.15
	5 MHz	QPSK	22.64	6.00	13	-7.00
		256QAM	18.52	6.81	13	-6.19
	3 MHz	QPSK	22.61	5.99	13	-7.01
		256QAM	18.50	6.84	13	-6.16
	1.4 MHz	QPSK	22.64	6.04	13	-6.96
		256QAM	18.48	6.97	13	-6.03
NR-n66	40 MHz	π/2 BPSK	22.70	5.43	13	-7.57
		QPSK	20.24	8.78	13	-4.22
		256QAM	16.65	8.67	13	-4.33
	30 MHz	π/2 BPSK	22.98	4.72	13	-8.28
		QPSK	20.31	8.72	13	-4.28
		256QAM	16.75	8.59	13	-4.41
	25 MHz	π/2 BPSK	23.55	4.91	13	-8.09
		QPSK	20.91	8.73	13	-4.27
		256QAM	17.29	8.70	13	-4.30
	20 MHz	π/2 BPSK	23.19	4.67	13	-8.33
		QPSK	20.67	8.68	13	-4.32
		256QAM	17.05	8.58	13	-4.42
	15 MHz	π/2 BPSK	23.45	4.55	13	-8.45
		QPSK	20.85	8.77	13	-4.23
		256QAM	17.17	8.67	13	-4.33
	10 MHz	π/2 BPSK	23.26	4.63	13	-8.37
		QPSK	20.67	8.64	13	-4.36
		256QAM	17.10	8.51	13	-4.49
	5 MHz	π/2 BPSK	22.52	4.82	13	-8.18
		QPSK	19.83	8.96	13	-4.04
		256QAM	16.27	8.77	13	-4.23

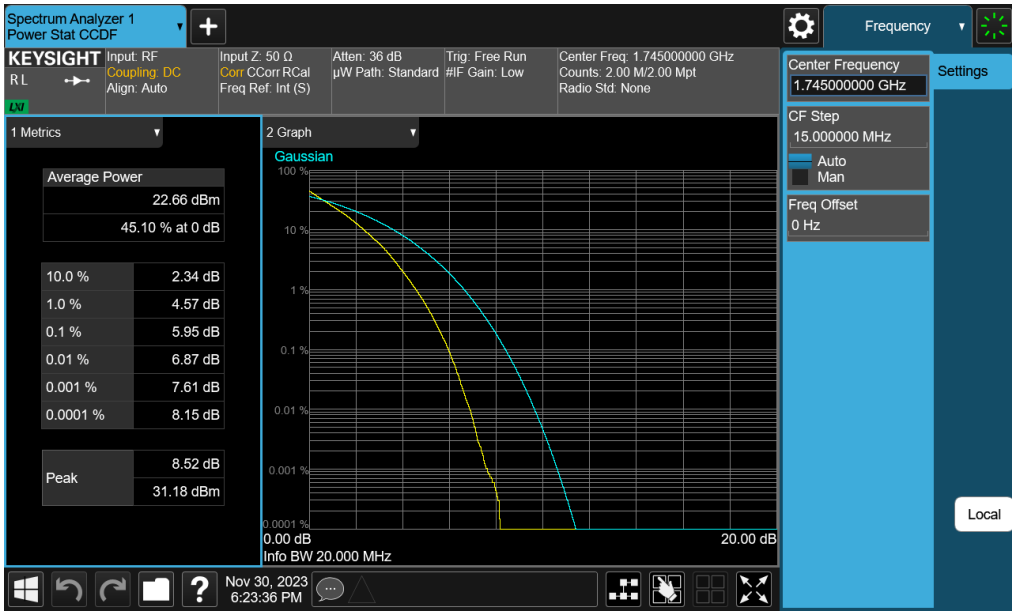
Table 7-15. PAR Test Results – Above 1GHz – Ant B

WCDMA AWS – Ant B

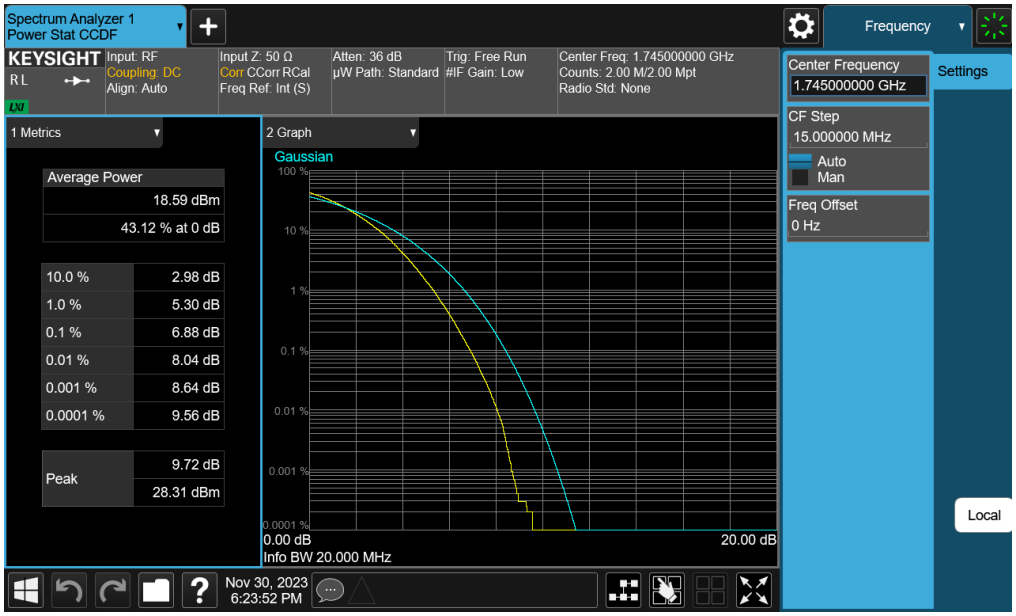


Plot 7-125. PAR Plot (WCDMA, Ch. 1413 – Ant B)

LTE Band 66/4 – Ant B

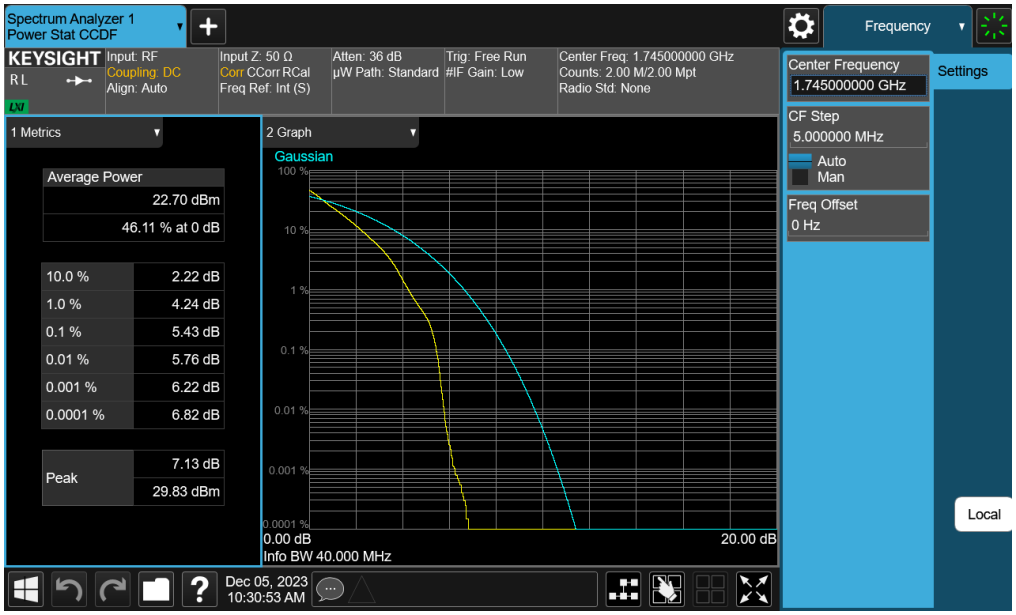


Plot 7-126. PAR Plot (LTE Band 66/4 - 20MHz QPSK - Full RB - Ant B)

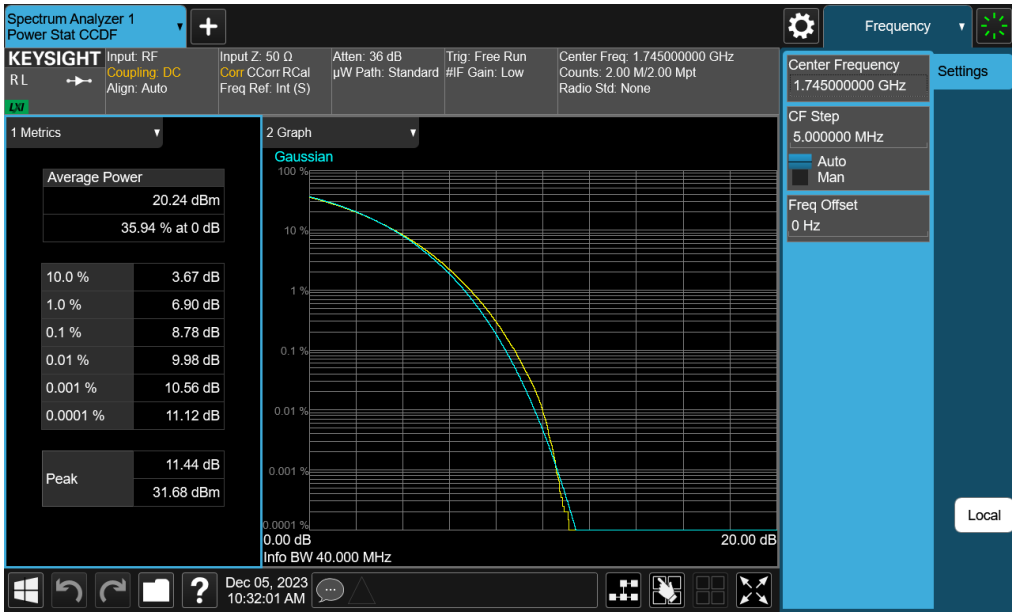


Plot 7-127. PAR Plot (LTE Band 66/4 - 20MHz 256-QAM - Full RB - Ant B)

NR Band n66 – Ant B



Plot 7-128. PAR Plot (NR Band n66 - 40.0MHz DFT-s-OFDM BPSK - Full RB - Ant B)



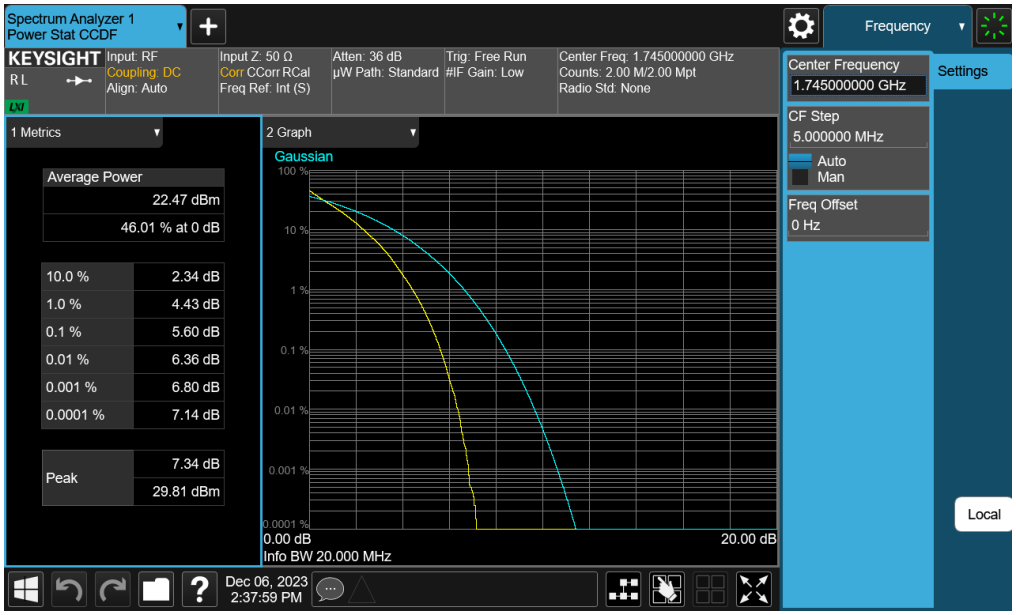
Plot 7-129. PAR Plot (NR Band n66 - 40.0MHz CP-OFDM QPSK - Full RB - Ant B)

Plot 7-130. PAR Plot (NR Band n66 - 40.0MHz CP-OFDM 256-QAM - Full RB - Ant B)

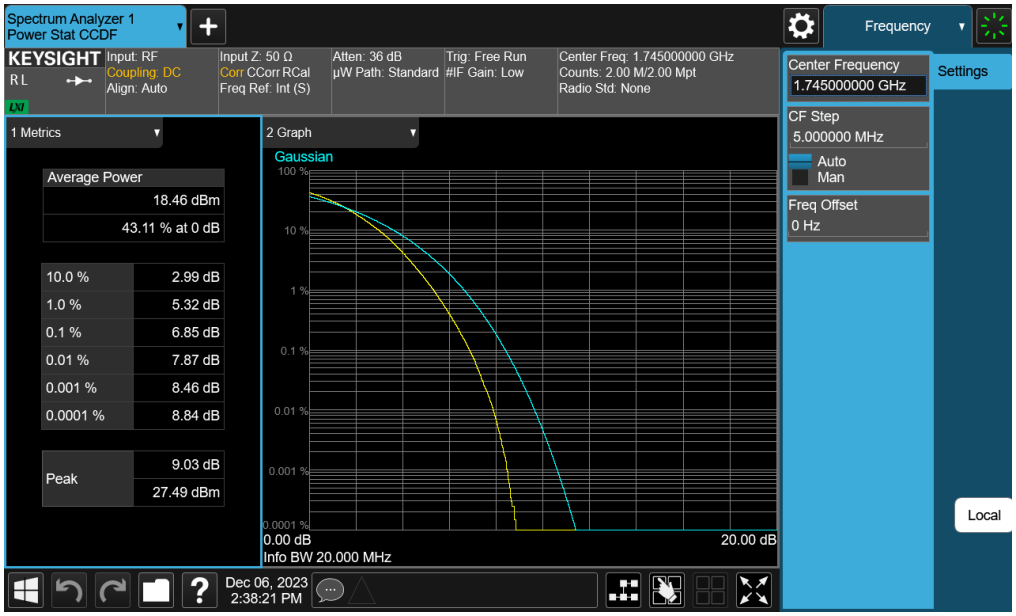
Mode	Bandwidth	Modulation	Average Power [dBm]	PAR at 0.1% [dB]	PAR Limit [dB]	Margin [dB]
LTE-B66-4	20 MHz	QPSK	22.47	5.60	13	-7.40
		256QAM	18.46	6.85	13	-6.15
	15 MHz	QPSK	22.50	5.86	13	-7.14
		256QAM	18.43	6.74	13	-6.26
	10 MHz	QPSK	22.41	5.59	13	-7.41
		256QAM	18.41	6.79	13	-6.21
	5 MHz	QPSK	22.39	5.62	13	-7.38
		256QAM	18.41	6.70	13	-6.30
	3 MHz	QPSK	22.40	5.56	13	-7.44
		256QAM	18.43	6.83	13	-6.17
	1.4 MHz	QPSK	22.38	5.42	13	-7.58
		256QAM	18.34	6.76	13	-6.24
NR-n66	40 MHz	π/2 BPSK	22.19	5.16	13	-7.84
		QPSK	19.64	8.07	13	-4.93
		256QAM	16.09	8.51	13	-4.49
	30 MHz	π/2 BPSK	22.27	4.55	13	-8.45
		QPSK	19.76	7.94	13	-5.06
		256QAM	16.23	8.37	13	-4.63
	25 MHz	π/2 BPSK	22.83	4.76	13	-8.24
		QPSK	20.21	8.08	13	-4.92
		256QAM	16.69	8.49	13	-4.51
	20 MHz	π/2 BPSK	22.74	4.50	13	-8.50
		QPSK	20.22	7.89	13	-5.11
		256QAM	16.68	8.37	13	-4.63
	15 MHz	π/2 BPSK	22.73	4.46	13	-8.54
		QPSK	20.23	7.90	13	-5.10
		256QAM	16.71	8.34	13	-4.66
	10 MHz	π/2 BPSK	22.77	4.46	13	-8.54
		QPSK	20.24	7.86	13	-5.14
		256QAM	16.72	8.26	13	-4.74
	5 MHz	π/2 BPSK	22.54	4.63	13	-8.37
		QPSK	20.00	7.93	13	-5.07
		256QAM	16.27	8.58	13	-4.42

Table 7-16. PAR Test Results – Above 1GHz – Ant F

LTE Band 66/4 – Ant F

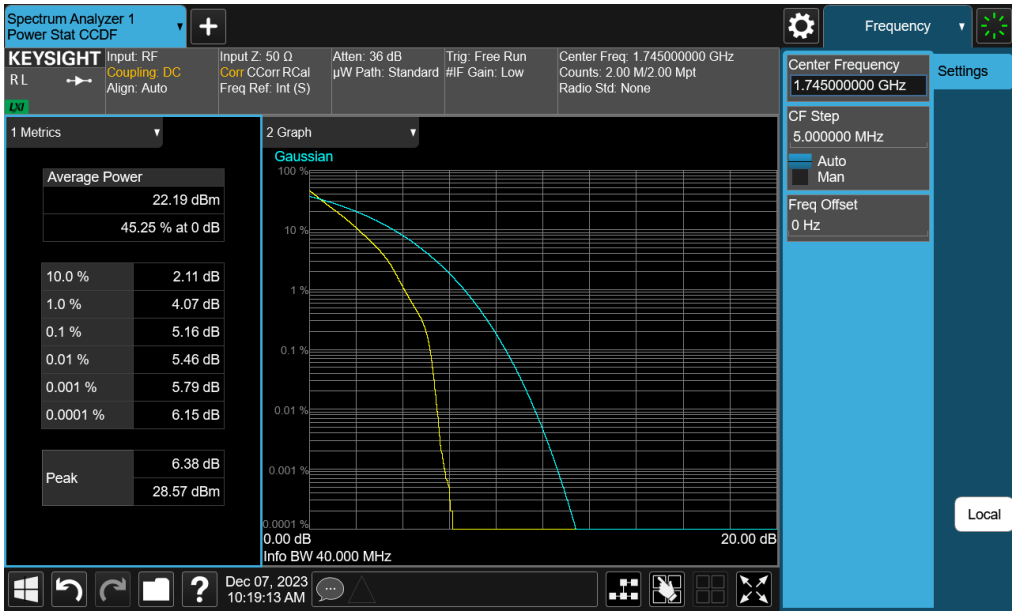


Plot 7-131. PAR Plot (LTE Band 66/4 - 20MHz QPSK - Full RB - Ant F)

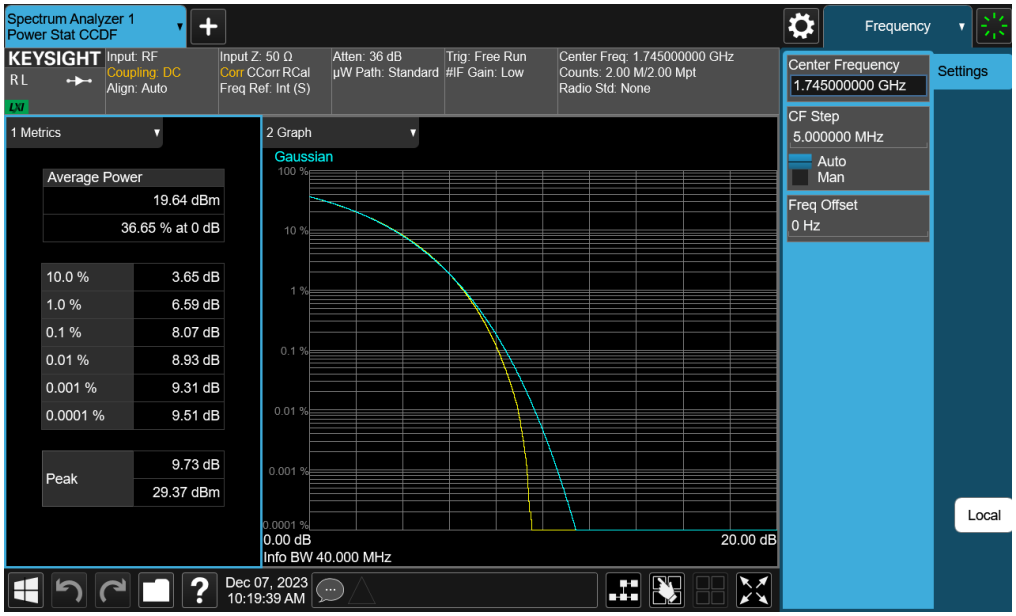


Plot 7-132. PAR Plot (LTE Band 66/4 - 20MHz 256-QAM - Full RB - Ant F)

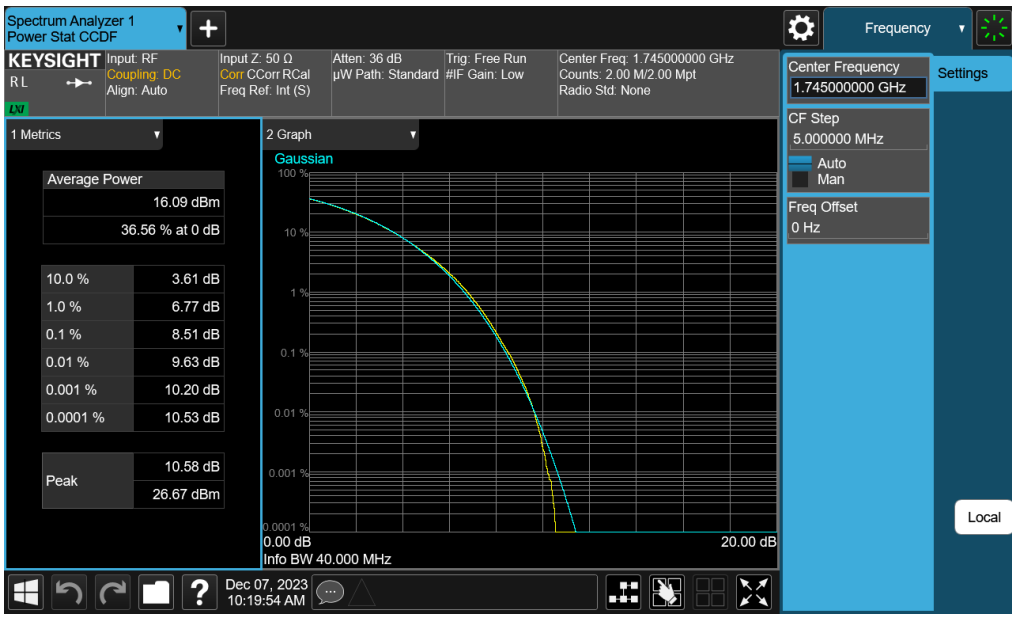
NR Band n66 – Ant F



Plot 7-133. PAR Plot (NR Band n66 - 40.0MHz DFT-s-OFDM BPSK - Full RB - Ant F)



Plot 7-134. PAR Plot (NR Band n66 - 40.0MHz CP-OFDM QPSK - Full RB - Ant F)



Plot 7-135. PAR Plot (NR Band n66 - 40.0MHz CP-OFDM 256-QAM - Full RB - Ant F)

7.7 Radiated Power (ERP/EIRP)

Test Overview

Effective Radiated Power (ERP) and 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.
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".
8. The integration bandwidth was roughly set equal to the measured OBW of the signal for signals with continuous operation.
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.

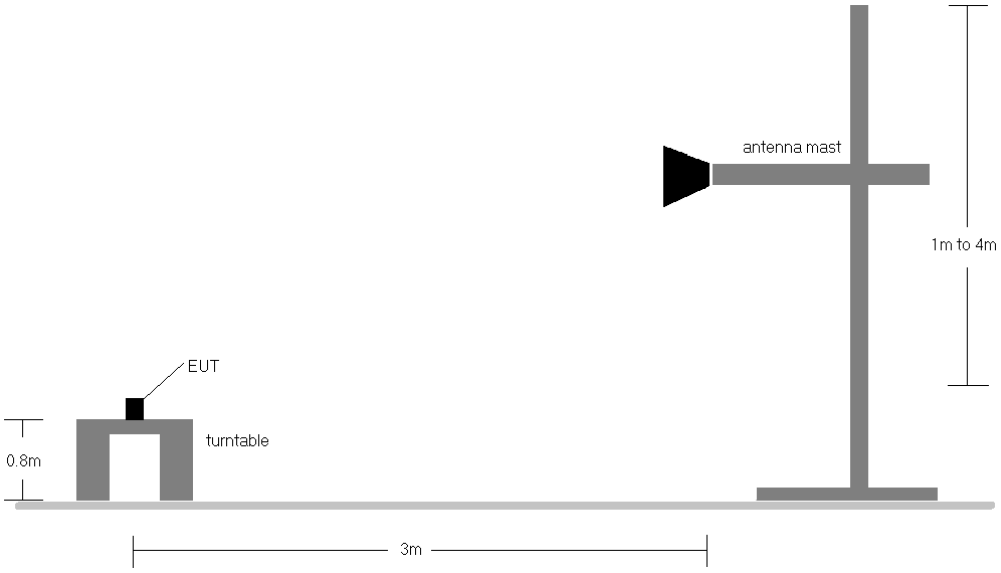


Figure 7-6. Radiated Test Setup <1GHz

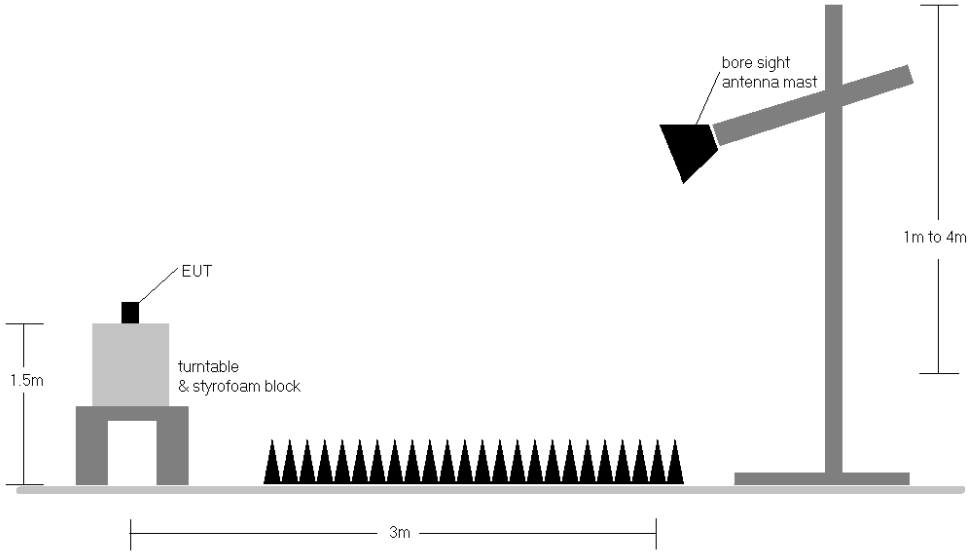


Figure 7-7. Radiated Test Setup >1GHz

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]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
10 MHz	QPSK	704.00	H	133	67	1.34	1 / 0	19.67	**21.01**	0.126	36.99	-15.98	**18.86**	0.077	34.77	-15.91
	QPSK	707.50	H	133	62	1.33	1 / 0	19.64	20.97	0.125	36.99	-16.02	18.82	0.076	34.77	-15.95
	QPSK	711.00	H	132	61	1.33	1 / 25	18.71	20.04	0.101	36.99	-16.95	17.89	0.061	34.77	-16.89
	16-QAM	707.50	H	133	62	1.33	1 / 0	19.08	20.41	0.110	36.99	-16.58	18.26	0.067	34.77	-16.51
5 MHz	QPSK	701.50	H	133	67	1.35	1 / 24	20.15	21.50	0.141	36.99	-15.49	19.35	0.086	34.77	-15.43
	QPSK	707.50	H	133	62	1.33	1 / 24	20.22	**21.55**	0.143	36.99	-15.44	**19.40**	0.087	34.77	-15.37
	QPSK	713.50	H	132	61	1.32	1 / 0	19.33	20.65	0.116	36.99	-16.34	18.50	0.071	34.77	-16.27
	16-QAM	701.50	H	133	67	1.35	1 / 24	19.48	20.83	0.121	36.99	-16.16	18.68	0.074	34.77	-16.09
3 MHz	QPSK	700.50	H	133	67	1.35	1 / 14	20.25	**21.60**	0.145	36.99	-15.39	**19.45**	0.088	34.77	-15.32
	QPSK	707.50	H	133	62	1.33	1 / 7	20.19	21.52	0.142	36.99	-15.47	19.37	0.087	34.77	-15.40
	QPSK	714.50	H	132	61	1.32	1 / 14	19.15	20.47	0.111	36.99	-16.52	18.32	0.068	34.77	-16.45
	16-QAM	707.50	H	133	62	1.33	1 / 14	19.54	20.88	0.122	36.99	-16.11	18.73	0.075	34.77	-16.05
1.4 MHz	QPSK	699.70	H	133	67	1.35	1 / 0	20.38	**21.74**	0.149	36.99	-15.25	**19.59**	0.091	34.77	-15.19
	QPSK	707.50	H	133	62	1.33	1 / 0	20.11	21.45	0.140	36.99	-15.54	19.30	0.085	34.77	-15.47
	QPSK	715.30	H	132	61	1.32	1 / 0	19.10	20.42	0.110	36.99	-16.57	18.27	0.067	34.77	-16.50
	16-QAM	699.70	H	133	67	1.35	1 / 3	19.58	20.93	0.124	36.99	-16.06	18.78	0.076	34.77	-15.99
10 MHz	QPSK (Opposite Pol.)	704.00	V	159	314	1.33	1 / 25	18.61	19.94	0.099	36.99	-17.05	17.79	0.060	34.77	-16.98

Table 7-17. ERP Data (LTE Band 12/17 – 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]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
10 MHz	QPSK	782.00	H	117	71	1.17	1 / 25	18.46	**19.63**	0.092	36.99	-17.36	**17.48**	0.056	34.77	-17.29
	16-QAM	782.00	H	117	71	1.17	1 / 25	17.76	18.93	0.078	36.99	-18.06	16.78	0.048	34.77	-17.99
5 MHz	QPSK	779.50	H	117	71	1.17	1 / 12	18.52	19.70	0.093	36.99	-17.29	17.55	0.057	34.77	-17.23
	QPSK	782.00	H	117	71	1.17	1 / 24	18.49	19.66	0.092	36.99	-17.33	17.51	0.056	34.77	-17.26
	QPSK	784.50	H	117	71	1.16	1 / 24	18.54	**19.71**	0.094	36.99	-17.28	**17.56**	0.057	34.77	-17.21
	16-QAM	779.50	H	117	71	1.17	1 / 12	17.75	18.93	0.078	36.99	-18.06	16.78	0.048	34.77	-17.99
10 MHz	QPSK (Opposite Pol.)	782.00	V	136	219	1.17	1 / 25	17.10	18.27	0.067	36.99	-18.72	16.12	0.041	34.77	-18.65

Table 7-18. ERP Data (LTE Band 13 – Ant A)

Frequency [MHz]	Mode	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Substitute Level [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1712.40	WCDMA1700	H	277	126	13.63	8.40	22.03	0.160	30.00	-7.97
1732.60	WCDMA1700	H	268	130	14.62	8.02	**22.64**	**0.184**	30.00	-7.36
1752.60	WCDMA1700	H	136	127	14.75	7.71	22.46	0.176	30.00	-7.54
1732.60	WCDMA1700 (Opposite Pol.	V	252	279	13.05	8.02	21.07	0.128	30.00	-8.93

Table 7-19. EIRP Data (WCDMA AWS – 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	1720.00	H	142	133	8.26	1 / 0	14.97	23.23	0.210	30.00	-6.77
	QPSK	1745.00	H	138	127	7.78	1 / 99	14.92	22.70	0.186	30.00	-7.30
	QPSK	1770.00	H	136	129	7.87	1 / 50	15.37	**23.24**	0.211	30.00	-6.76
	16-QAM	1770.00	H	136	129	7.87	1 / 50	14.33	22.20	0.166	30.00	-7.80
15 MHz	QPSK	1717.50	H	142	133	8.30	1 / 0	14.93	**23.23**	0.210	30.00	-6.77
	QPSK	1745.00	H	138	127	7.78	1 / 0	14.96	22.75	0.188	30.00	-7.25
	QPSK	1772.50	H	136	129	7.89	1 / 0	15.30	23.20	0.209	30.00	-6.80
	16-QAM	1772.50	H	136	129	7.89	1 / 0	14.52	22.41	0.174	30.00	-7.59
10 MHz	QPSK	1715.00	H	142	133	8.35	1 / 0	14.78	23.13	0.205	30.00	-6.87
	QPSK	1745.00	H	138	127	7.78	1 / 0	14.79	22.58	0.181	30.00	-7.42
	QPSK	1775.00	H	136	129	7.91	1 / 0	15.21	**23.13**	0.205	30.00	-6.87
	16-QAM	1775.00	H	136	129	7.91	1 / 0	14.35	22.27	0.169	30.00	-7.73
5 MHz	QPSK	1712.50	H	142	133	8.40	1 / 24	14.90	23.30	0.214	30.00	-6.70
	QPSK	1745.00	H	138	127	7.78	1 / 0	15.06	22.85	0.193	30.00	-7.15
	QPSK	1777.50	H	136	129	7.94	1 / 0	15.37	**23.30**	0.214	30.00	-6.70
	16-QAM	1777.50	H	136	129	7.94	1 / 0	14.29	22.22	0.167	30.00	-7.78
3 MHz	QPSK	1711.50	H	142	133	8.42	1 / 0	14.95	**23.37**	0.217	30.00	-6.63
	QPSK	1745.00	H	138	127	7.78	1 / 7	14.98	22.77	0.189	30.00	-7.23
	QPSK	1778.50	H	136	129	7.95	1 / 0	15.40	23.34	0.216	30.00	-6.66
	16-QAM	1778.50	H	136	129	7.95	1 / 7	14.44	22.39	0.173	30.00	-7.61
1.4 MHz	QPSK	1710.70	H	142	133	8.43	1 / 0	14.98	**23.41**	0.219	30.00	-6.59
	QPSK	1745.00	H	138	127	7.78	1 / 3	14.75	22.53	0.179	30.00	-7.47
	QPSK	1779.30	H	136	129	7.95	1 / 0	15.37	23.32	0.215	30.00	-6.68
	16-QAM	1779.30	H	136	129	7.95	1 / 5	14.33	22.28	0.169	30.00	-7.72
20 MHz	QPSK (Opposite Pol.)	1770.00	V	150	334	7.78	1 / 50	13.85	21.63	0.146	30.00	-8.37

Table 7-20. EIRP Data (LTE Band 66/4 – 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	1720.00	H	280	0	8.26	1 / 99	11.22	**19.48**	0.089	30.00	-10.52
	QPSK	1745.00	H	280	0	7.78	1 / 50	10.89	18.67	0.074	30.00	-11.33
	QPSK	1770.00	H	274	0	7.87	1 / 99	10.23	18.10	0.065	30.00	-11.90
	16-QAM	1720.00	H	280	0	8.26	1 / 99	10.95	19.21	0.083	30.00	-10.79
15 MHz	QPSK	1717.50	H	280	0	8.30	1 / 37	11.15	**19.45**	0.088	30.00	-10.55
	QPSK	1745.00	H	280	0	7.78	1 / 74	10.84	18.62	0.073	30.00	-11.38
	QPSK	1772.50	H	274	0	7.89	1 / 74	10.04	17.93	0.062	30.00	-12.07
	16-QAM	1717.50	H	280	0	8.30	1 / 74	10.85	19.16	0.082	30.00	-10.84
10 MHz	QPSK	1715.00	H	280	0	8.35	1 / 25	11.07	**19.42**	0.087	30.00	-10.58
	QPSK	1745.00	H	280	0	7.78	1 / 0	10.89	18.67	0.074	30.00	-11.33
	QPSK	1775.00	H	274	0	7.91	1 / 0	10.15	18.06	0.064	30.00	-11.94
	16-QAM	1715.00	H	280	0	8.35	1 / 25	10.97	19.32	0.086	30.00	-10.68
5 MHz	QPSK	1712.50	H	280	0	8.40	1 / 24	10.94	**19.33**	0.086	30.00	-10.67
	QPSK	1745.00	H	280	0	7.78	1 / 24	10.85	18.64	0.073	30.00	-11.36
	QPSK	1777.50	H	274	0	7.94	1 / 0	10.06	18.00	0.063	30.00	-12.00
	16-QAM	1712.50	H	280	0	8.40	1 / 24	10.62	19.02	0.080	30.00	-10.98
3 MHz	QPSK	1711.50	H	280	0	8.42	1 / 14	10.88	**19.30**	0.085	30.00	-10.70
	QPSK	1745.00	H	280	0	7.78	1 / 0	10.78	18.56	0.072	30.00	-11.44
	QPSK	1778.50	H	274	0	7.95	1 / 0	9.96	17.90	0.062	30.00	-12.10
	16-QAM	1711.50	H	280	0	8.42	1 / 7	10.67	19.09	0.081	30.00	-10.91
1.4 MHz	QPSK	1710.70	H	280	0	8.43	1 / 5	10.84	**19.27**	0.085	30.00	-10.73
	QPSK	1745.00	H	280	0	7.78	1 / 5	10.80	18.58	0.072	30.00	-11.42
	QPSK	1779.30	H	274	0	7.95	1 / 0	9.98	17.93	0.062	30.00	-12.07
	16-QAM	1710.70	H	280	0	8.43	1 / 3	10.58	19.01	0.080	30.00	-10.99
20 MHz	QPSK (Opposite Pol.)	1720.00	V	146	19	8.26	1 / 99	11.20	19.46	0.088	30.00	-10.54

Table 7-21. EIRP Data (LTE Band 66/4 – 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]
40 MHz	π/2 BPSK	1730.00	H	188	130	8.07	1 / 1	15.27	23.34	0.216	30.00	-6.66
	π/2 BPSK	1745.00	H	173	126	7.78	1 / 1	14.41	22.19	0.166	30.00	-7.81
	π/2 BPSK	1760.00	H	174	128	7.78	1 / 108	15.45	23.23	0.210	30.00	-6.77
	QPSK	1730.00	H	188	130	8.07	1 / 1	15.42	**23.49**	0.223	30.00	-6.51
	QPSK	1745.00	H	173	126	7.78	1 / 1	14.38	22.16	0.165	30.00	-7.84
	QPSK	1760.00	H	174	128	7.78	1 / 108	15.44	23.22	0.210	30.00	-6.78
	16-QAM	1730.00	H	188	130	8.07	1 / 1	14.27	22.34	0.171	30.00	-7.66
30 MHz	π/2 BPSK	1725.00	H	188	130	8.16	1 / 1	15.17	23.33	0.215	30.00	-6.67
	π/2 BPSK	1745.00	H	173	126	7.78	1 / 158	14.45	22.23	0.167	30.00	-7.77
	π/2 BPSK	1765.00	H	174	128	7.82	1 / 80	15.44	23.26	0.212	30.00	-6.74
	QPSK	1725.00	H	188	130	8.16	1 / 80	15.23	**23.39**	0.218	30.00	-6.61
	QPSK	1745.00	H	173	126	7.78	1 / 1	14.51	22.29	0.170	30.00	-7.71
	QPSK	1765.00	H	174	128	7.82	1 / 158	15.34	23.16	0.207	30.00	-6.84
	16-QAM	1725.00	H	188	130	8.16	1 / 80	14.20	22.36	0.172	30.00	-7.64
25 MHz	π/2 BPSK	1722.50	H	188	130	8.26	1 / 66	14.90	23.16	0.207	30.00	-6.84
	π/2 BPSK	1745.00	H	173	126	7.78	1 / 66	14.54	22.33	0.171	30.00	-7.67
	π/2 BPSK	1767.50	H	174	128	7.87	1 / 131	15.24	23.11	0.204	30.00	-6.89
	QPSK	1722.50	H	188	130	8.26	1 / 66	15.13	23.38	0.218	30.00	-6.62
	QPSK	1745.00	H	173	126	7.78	1 / 1	14.52	22.31	0.170	30.00	-7.69
	QPSK	1767.50	H	174	128	7.87	1 / 1	15.10	22.96	0.198	30.00	-7.04
	16-QAM	1722.50	H	188	130	8.26	1 / 66	13.94	22.20	0.166	30.00	-7.80
20 MHz	π/2 BPSK	1720.00	H	188	130	8.26	1 / 104	15.02	23.28	0.213	30.00	-6.72
	π/2 BPSK	1745.00	H	173	126	7.78	1 / 104	14.45	22.24	0.167	30.00	-7.76
	π/2 BPSK	1770.00	H	174	128	7.87	1 / 104	15.37	23.24	0.211	30.00	-6.76
	QPSK	1720.00	H	188	130	8.26	1 / 53	15.17	**23.42**	0.220	30.00	-6.58
	QPSK	1745.00	H	173	126	7.78	1 / 1	14.39	22.18	0.165	30.00	-7.82
	QPSK	1770.00	H	174	128	7.87	1 / 104	15.17	23.04	0.201	30.00	-6.96
	16-QAM	1720.00	H	188	130	8.26	1 / 53	14.15	22.41	0.174	30.00	-7.59
15 MHz	π/2 BPSK	1717.50	H	188	130	8.30	1 / 39	15.06	23.37	0.217	30.00	-6.63
	π/2 BPSK	1745.00	H	173	126	7.78	1 / 77	14.51	22.29	0.170	30.00	-7.71
	π/2 BPSK	1772.50	H	174	128	7.89	1 / 39	15.42	23.31	0.214	30.00	-6.69
	QPSK	1717.50	H	188	130	8.30	1 / 1	15.21	**23.51**	0.224	30.00	-6.49
	QPSK	1745.00	H	173	126	7.78	1 / 77	14.48	22.26	0.168	30.00	-7.74
	QPSK	1772.50	H	174	128	7.89	1 / 1	15.30	23.19	0.209	30.00	-6.81
	16-QAM	1717.50	H	188	130	8.30	1 / 1	14.14	22.44	0.176	30.00	-7.56
10 MHz	π/2 BPSK	1715.00	H	188	130	8.35	1 / 1	14.90	23.25	0.211	30.00	-6.75
	π/2 BPSK	1745.00	H	173	126	7.78	1 / 1	14.49	22.27	0.169	30.00	-7.73
	π/2 BPSK	1775.00	H	174	128	7.91	1 / 50	15.27	23.19	0.208	30.00	-6.81
	QPSK	1715.00	H	188	130	8.35	1 / 1	15.05	**23.40**	0.219	30.00	-6.60
	QPSK	1745.00	H	173	126	7.78	1 / 1	14.41	22.20	0.166	30.00	-7.80
	QPSK	1775.00	H	174	128	7.91	1 / 26	15.10	23.01	0.200	30.00	-6.99
	16-QAM	1715.00	H	188	130	8.35	1 / 1	14.10	22.45	0.176	30.00	-7.55
5 MHz	π/2 BPSK	1712.50	H	188	130	8.40	1 / 1	14.63	23.03	0.201	30.00	-6.97
	π/2 BPSK	1745.00	H	173	126	7.78	1 / 1	14.05	21.83	0.153	30.00	-8.17
	π/2 BPSK	1777.50	H	174	128	7.94	1 / 1	15.06	22.99	0.199	30.00	-7.01
	QPSK	1712.50	H	188	130	8.40	1 / 1	14.74	**23.14**	0.206	30.00	-6.86
	QPSK	1745.00	H	173	126	7.78	1 / 1	13.94	21.72	0.149	30.00	-8.28
	QPSK	1777.50	H	174	128	7.94	1 / 1	14.96	22.90	0.195	30.00	-7.10
	16-QAM	1712.50	H	188	130	8.40	1 / 1	13.62	22.02	0.159	30.00	-7.98
40 MHz	QPSK (CP-OFDM)	1730.00	H	172	128	8.07	1 / 108	13.64	21.71	0.148	30.00	-8.29
	QPSK (Opposite Pol.)	1730.00	V	148	343	8.07	1 / 108	15.36	23.43	0.220	30.00	-6.57

Table 7-22. EIRP Data (NR Band n66 – 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	1730.00	H	237	354	8.07	1 / 108	12.33	**20.40**	0.110	30.00	-9.60
	π/2 BPSK	1745.00	H	228	352	7.78	1 / 1	11.72	19.50	0.089	30.00	-10.50
	π/2 BPSK	1760.00	H	233	351	7.78	1 / 108	11.85	19.63	0.092	30.00	-10.37
	QPSK	1730.00	H	237	354	8.07	1 / 1	12.29	20.36	0.109	30.00	-9.64
	QPSK	1745.00	H	228	352	7.78	1 / 1	11.64	19.42	0.088	30.00	-10.58
	QPSK	1760.00	H	233	351	7.78	1 / 108	11.84	19.62	0.092	30.00	-10.38
	16-QAM	1730.00	H	237	354	8.07	1 / 1	11.78	19.85	0.097	30.00	-10.15
30 MHz	π/2 BPSK	1725.00	H	237	354	8.16	1 / 1	12.20	**20.36**	0.109	30.00	-9.64
	π/2 BPSK	1745.00	H	228	352	7.78	1 / 1	11.89	19.67	0.093	30.00	-10.33
	π/2 BPSK	1765.00	H	233	351	7.82	1 / 80	11.73	19.55	0.090	30.00	-10.45
	QPSK	1725.00	H	237	354	8.16	1 / 80	12.12	20.28	0.107	30.00	-9.72
	QPSK	1745.00	H	228	352	7.78	1 / 1	11.79	19.58	0.091	30.00	-10.42
	QPSK	1765.00	H	233	351	7.82	1 / 80	11.69	19.51	0.089	30.00	-10.49
	16-QAM	1725.00	H	237	354	8.16	1 / 1	11.69	19.85	0.097	30.00	-10.15
25 MHz	π/2 BPSK	1722.50	H	237	354	8.26	1 / 66	12.17	20.43	0.110	30.00	-9.57
	π/2 BPSK	1745.00	H	228	352	7.78	1 / 131	11.71	19.49	0.089	30.00	-10.51
	π/2 BPSK	1767.50	H	233	351	7.87	1 / 66	11.64	19.51	0.089	30.00	-10.49
	QPSK	1722.50	H	237	354	8.26	1 / 66	12.28	**20.54**	0.113	30.00	-9.46
	QPSK	1745.00	H	228	352	7.78	1 / 1	11.76	19.54	0.090	30.00	-10.46
	QPSK	1767.50	H	233	351	7.87	1 / 1	11.74	19.61	0.091	30.00	-10.39
	16-QAM	1722.50	H	237	354	8.26	1 / 66	11.46	19.71	0.094	30.00	-10.29
20 MHz	π/2 BPSK	1720.00	H	237	354	8.26	1 / 53	12.03	20.29	0.107	30.00	-9.71
	π/2 BPSK	1745.00	H	228	352	7.78	1 / 1	11.76	19.55	0.090	30.00	-10.45
	π/2 BPSK	1770.00	H	233	351	7.87	1 / 1	11.66	19.53	0.090	30.00	-10.47
	QPSK	1720.00	H	237	354	8.26	1 / 1	12.17	20.43	0.110	30.00	-9.57
	QPSK	1745.00	H	228	352	7.78	1 / 1	11.77	19.56	0.090	30.00	-10.44
	QPSK	1770.00	H	233	351	7.87	1 / 104	11.76	19.63	0.092	30.00	-10.37
	16-QAM	1720.00	H	237	354	8.26	1 / 1	11.61	19.86	0.097	30.00	-10.14
15 MHz	π/2 BPSK	1717.50	H	237	354	8.30	1 / 39	12.20	**20.50**	0.112	30.00	-9.50
	π/2 BPSK	1745.00	H	228	352	7.78	1 / 77	11.76	19.54	0.090	30.00	-10.46
	π/2 BPSK	1772.50	H	233	351	7.89	1 / 39	11.70	19.59	0.091	30.00	-10.41
	QPSK	1717.50	H	237	354	8.30	1 / 39	12.14	20.44	0.111	30.00	-9.56
	QPSK	1745.00	H	228	352	7.78	1 / 77	11.84	19.62	0.092	30.00	-10.38
	QPSK	1772.50	H	233	351	7.89	1 / 39	11.71	19.60	0.091	30.00	-10.40
	16-QAM	1717.50	H	237	354	8.30	1 / 39	11.44	19.75	0.094	30.00	-10.25
10 MHz	π/2 BPSK	1715.00	H	237	354	8.35	1 / 50	12.10	**20.46**	0.111	30.00	-9.54
	π/2 BPSK	1745.00	H	228	352	7.78	1 / 26	11.75	19.54	0.090	30.00	-10.46
	π/2 BPSK	1775.00	H	233	351	7.91	1 / 26	11.75	19.66	0.093	30.00	-10.34
	QPSK	1715.00	H	237	354	8.35	1 / 26	12.08	20.43	0.110	30.00	-9.57
	QPSK	1745.00	H	228	352	7.78	1 / 26	11.77	19.56	0.090	30.00	-10.44
	QPSK	1775.00	H	233	351	7.91	1 / 50	11.69	19.60	0.091	30.00	-10.40
	16-QAM	1715.00	H	237	354	8.35	1 / 1	11.55	19.90	0.098	30.00	-10.10
5 MHz	π/2 BPSK	1712.50	H	237	354	8.40	1 / 23	11.75	**20.15**	0.103	30.00	-9.85
	π/2 BPSK	1745.00	H	228	352	7.78	1 / 1	11.33	19.12	0.082	30.00	-10.88
	π/2 BPSK	1777.50	H	233	351	7.94	1 / 1	11.57	19.51	0.089	30.00	-10.49
	QPSK	1712.50	H	237	354	8.40	1 / 12	11.66	20.05	0.101	30.00	-9.95
	QPSK	1745.00	H	228	352	7.78	1 / 1	11.22	19.01	0.080	30.00	-10.99
	QPSK	1777.50	H	233	351	7.94	1 / 1	11.33	19.26	0.084	30.00	-10.74
	16-QAM	1712.50	H	237	354	8.40	1 / 23	11.22	19.62	0.092	30.00	-10.38
40 MHz	QPSK (CP-OFDM)	1730.00	H	238	349	8.07	1 / 1	11.44	19.51	0.089	30.00	-10.49
	QPSK (Opposite Pol.)	1730.00	V	178	18	8.07	1 / 1	11.97	20.04	0.101	30.00	-9.96

Table 7-23. EIRP Data (NR Band n66 – Ant F)

7.8 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.

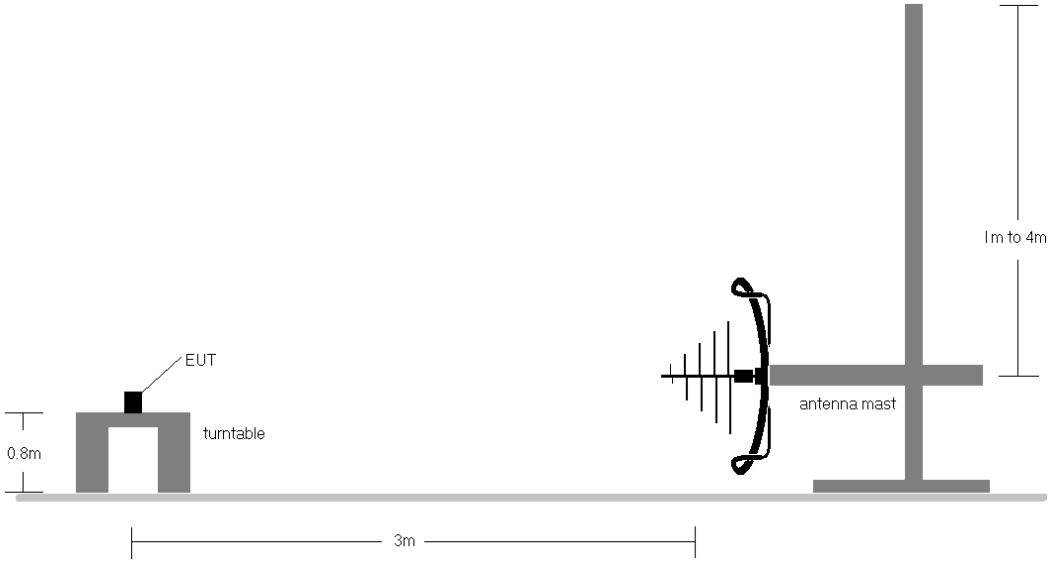


Figure 7-8. Test Instrument & Measurement Setup < 1GHz

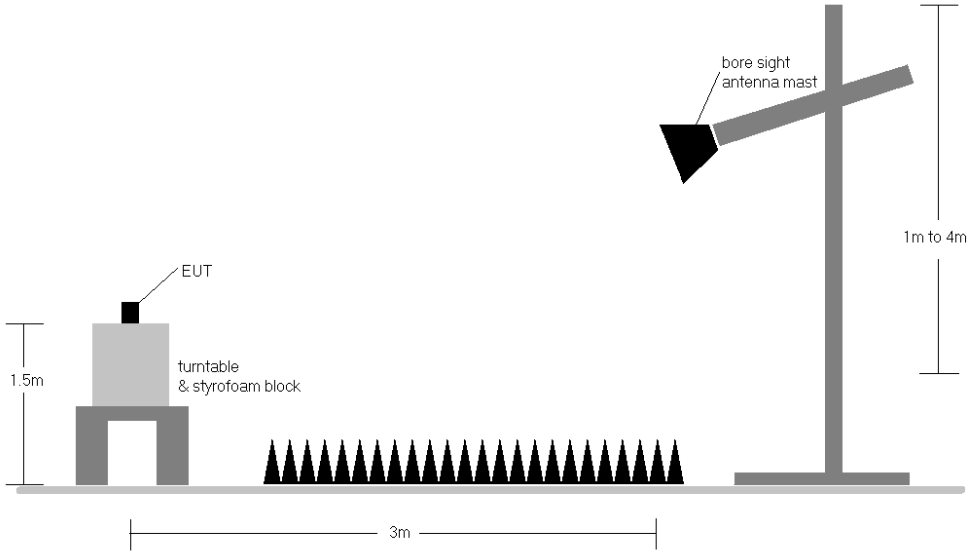


Figure 7-9. Test Instrument & Measurement Setup > 1GHz

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.

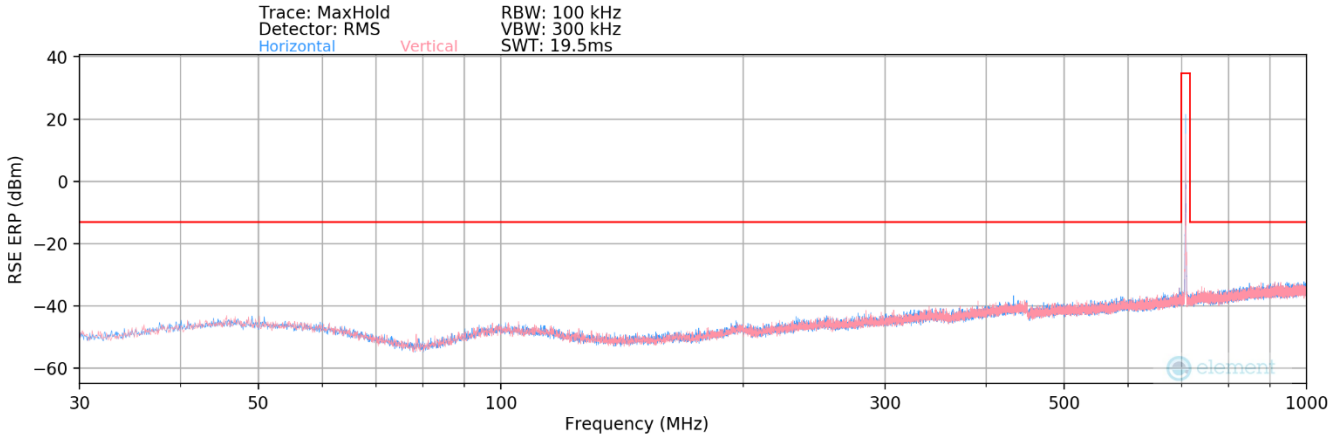
6) The "-" shown in the following RSE tables are used to denote a noise floor measurement.

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 and was found to not to be the worst case.

LTE Band 12 – Ant A

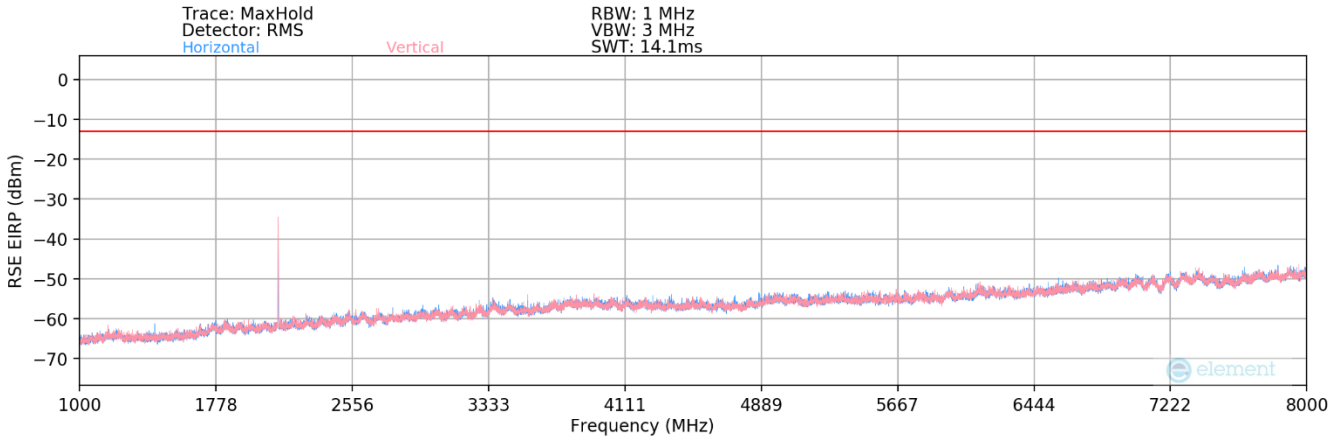


Plot 7-136. Radiated Spurious Plot Below 1GHz (LTE Band 12 – Ant A)

Bandwidth (MHz):	10
Frequency (MHz):	707.5
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
548.97	H	-	-	-79.31	25.36	53.05	-44.36	-13.00	-31.36

Table 7-24. Radiated Spurious Data Below 1GHz (LTE Band 12 – Ant A)



Plot 7-137. Radiated Spurious Plot Above 1GHz (LTE Band 12 – Ant A)

Bandwidth (MHz):	10
Frequency (MHz):	704
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]
1408.00	V	165	294	-72.93	-10.04	24.03	-71.23	-13.00	-58.23
2112.00	V	117	55	-47.44	-6.57	52.99	-42.27	-13.00	-29.27
2816.00	V	-	-	-74.91	-4.88	27.21	-68.05	-13.00	-55.05
3520.00	V	-	-	-75.10	-2.14	29.76	-65.50	-13.00	-52.50
4224.00	V	-	-	-75.75	0.01	31.26	-64.00	-13.00	-51.00

Table 7-25. Radiated Spurious Data Above 1GHz (LTE Band 12 – Low Channel – Ant A)

Bandwidth (MHz):	10
Frequency (MHz):	707.5
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1415.00	V	171	298	-72.64	-10.00	24.36	-70.90	-13.00	-57.90
2122.50	V	111	52	-47.52	-6.47	53.01	-42.25	-13.00	-29.25
2830.00	V	-	-	-74.90	-4.77	27.33	-67.93	-13.00	-54.93
3537.50	V	-	-	-74.65	-2.33	30.02	-65.24	-13.00	-52.24
4245.00	V	-	-	-76.05	-0.38	30.57	-64.68	-13.00	-51.68

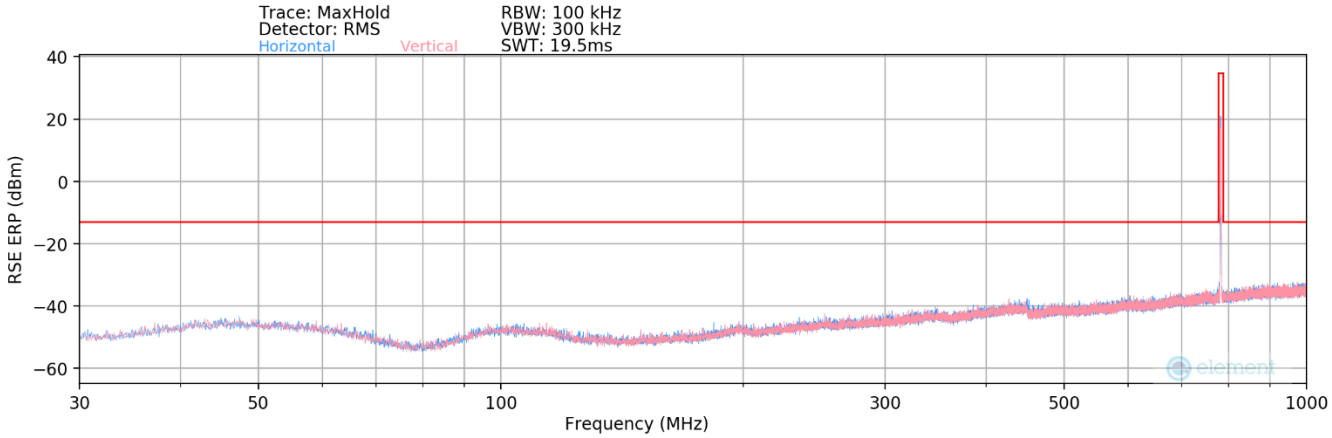
Table 7-26. Radiated Spurious Data Above 1GHz (LTE Band 12 – Mid Channel – Ant A)

Bandwidth (MHz):	10
Frequency (MHz):	711
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]
1422.00	V	168	231	-73.39	-9.97	23.64	-71.61	-13.00	-58.61
2133.00	V	122	70	-47.29	-6.56	53.15	-42.10	-13.00	-29.10
2844.00	V	-	-	-74.62	-4.55	27.83	-67.43	-13.00	-54.43
3555.00	V	-	-	-75.18	-2.40	29.42	-65.84	-13.00	-52.84
4266.00	V	-	-	-76.22	-0.40	30.38	-64.87	-13.00	-51.87

Table 7-27. Radiated Spurious Data Above 1GHz (LTE Band 12 – High Channel – Ant A)

LTE Band 13 – Ant A

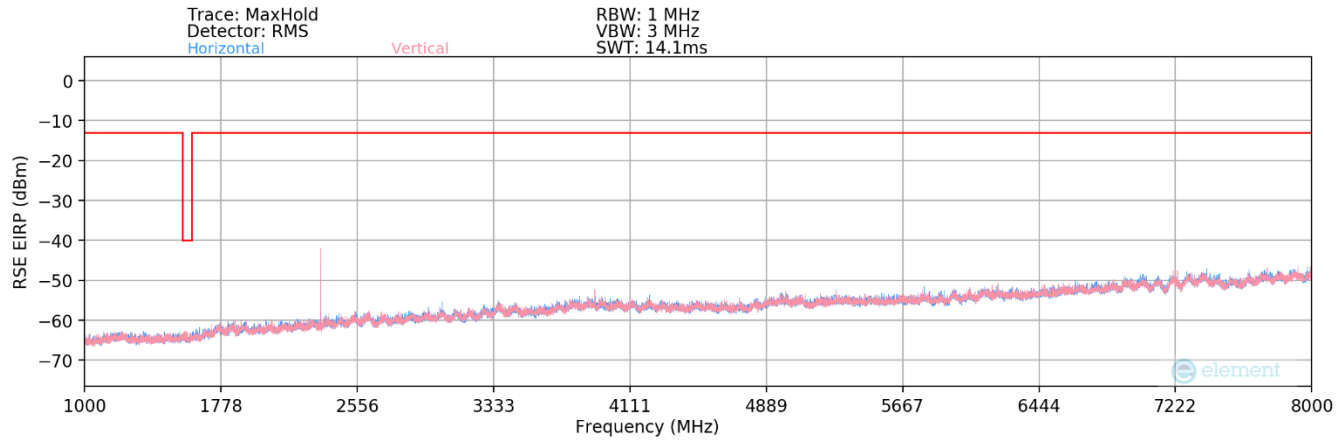


Plot 7-138. Radiated Spurious Plot Below 1GHz (LTE Band 13 – Ant A)

Bandwidth (MHz):	10
Frequency (MHz):	782
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]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
549.95	H	-	-	-79.11	25.38	53.27	-44.13	-13.00	-31.13

Table 7-28. Radiated Spurious Data Below 1GHz (LTE Band 13 – Ant A)



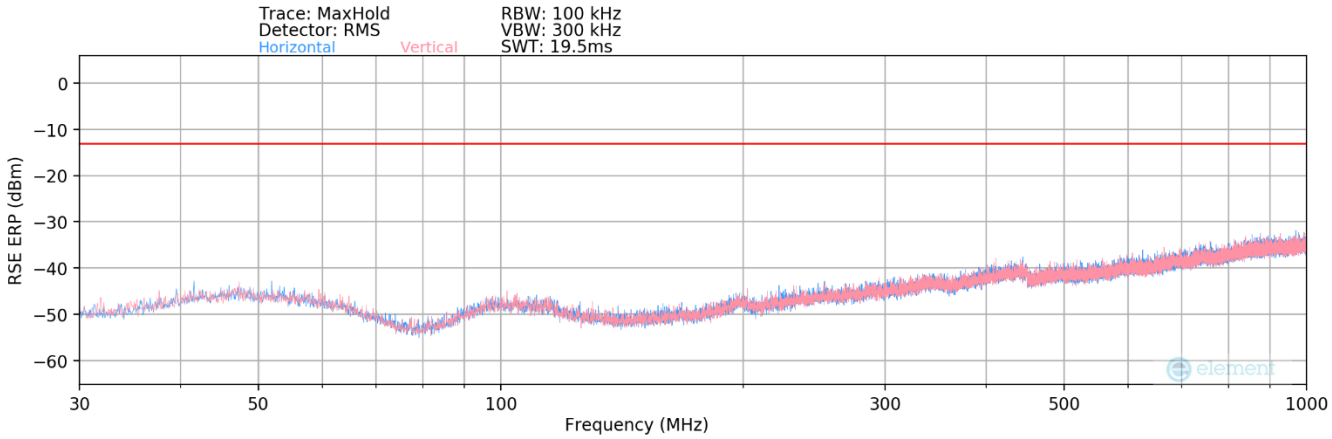
Plot 7-139. Radiated Spurious Plot Above 1GHz (LTE Band 13 – Ant A)

Bandwidth (MHz):	10
Frequency (MHz):	782
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]
1564.00	V	162	133	-73.31	-9.33	24.36	-70.90	-40.00	-30.90
2346.00	V	121	311	-56.90	-5.75	44.35	-50.90	-13.00	-37.90
3128.00	V	-	-	-75.02	-2.89	29.09	-66.16	-13.00	-53.16
3910.00	V	-	-	-75.63	-0.24	31.13	-64.13	-13.00	-51.13
4692.00	V	-	-	-76.49	-0.09	30.42	-64.84	-13.00	-51.84

Table 7-29. Radiated Spurious Data Above 1GHz (LTE Band 13 – Mid Channel – Ant A)

WCDMA AWS – Ant B

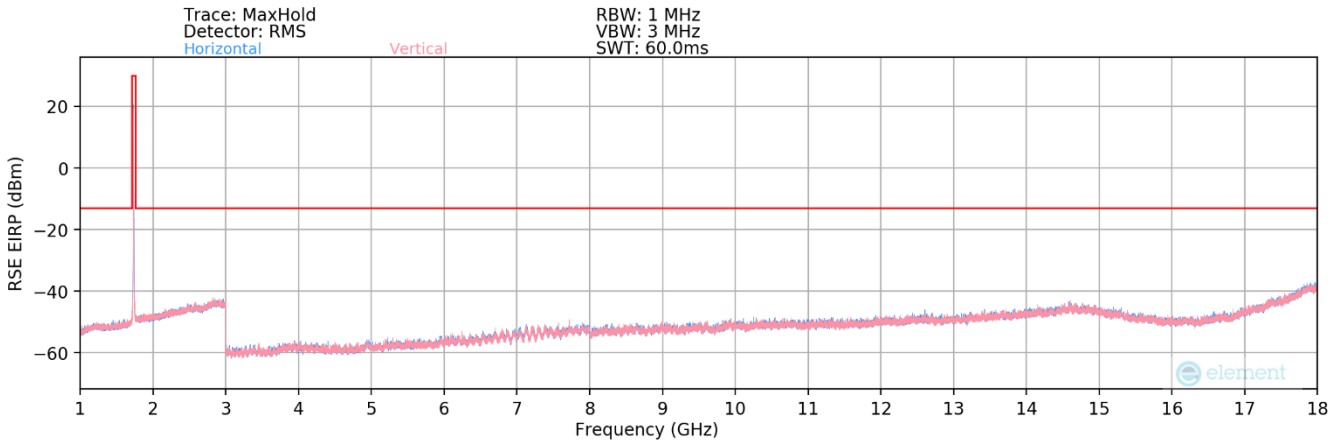


Plot 7-140. Radiated Spurious Plot Below 1GHz (WCDMA AWS – Ant B)

Mode:	WCDMA RMC
Channel:	1413
Frequency (MHz):	1732.6

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]
551.05	H	-	-	-78.55	25.41	53.86	-43.55	-13.00	-30.55

7-30. Radiated Spurious Data Below 1GHz (WCDMA AWS – Ant B)



Plot 7-141. Radiated Spurious Plot Above 1GHz (WCDMA AWS – Ant B)

Mode:	WCDMA RMC
Channel:	1312
Frequency (MHz):	1712.4

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]
3424.80	H	-	-	-76.30	-1.06	29.64	-65.62	-13.00	-52.62
5137.20	H	-	-	-76.04	0.86	31.82	-63.44	-13.00	-50.44
6849.60	H	-	-	-77.17	5.50	35.33	-59.92	-13.00	-46.92

7-31. Radiated Spurious Data Above 1GHz (WCDMA AWS – Ant B)

Mode:	WCDMA RMC
Channel:	1413
Frequency (MHz):	1732.6

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]
3465.20	H	-	-	-74.68	-1.41	30.91	-64.35	-13.00	-51.35
5197.80	H	-	-	-76.22	1.81	32.59	-62.67	-13.00	-49.67
6930.40	H	-	-	-76.84	5.29	35.45	-59.81	-13.00	-46.81

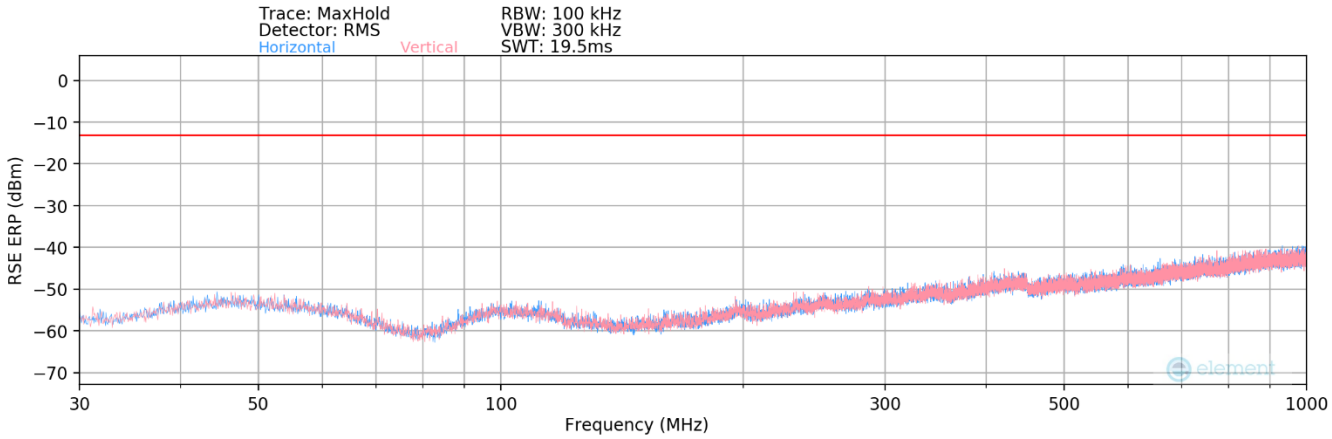
Table 7-32. Radiated Spurious Data Above 1GHz (WCDMA AWS – Mid Channel – Ant B)

Mode:	WCDMA RMC
Channel:	1513
Frequency (MHz):	1752.6

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]
3505.20	H	-	-	-75.59	-1.34	30.07	-65.18	-13.00	-52.18
5257.80	H	-	-	-76.54	1.54	32.00	-63.26	-13.00	-50.26
7010.40	H	-	-	-77.40	5.56	35.16	-60.09	-13.00	-47.09

Table 7-33. Radiated Spurious Data Above 1GHz (WCDMA AWS – High Channel – Ant B)

LTE Band 66/4 – Ant B

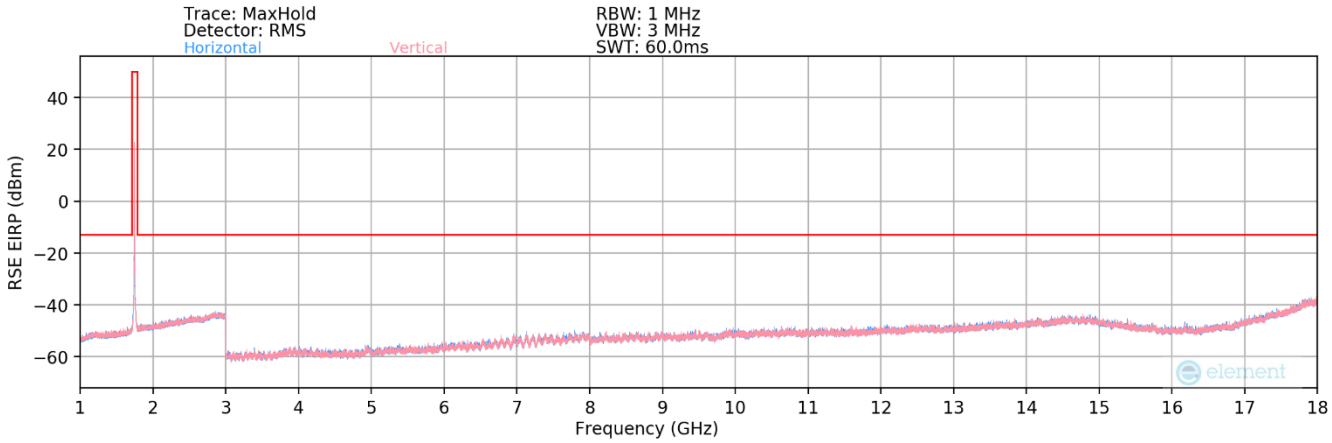


Plot 7-142. Radiated Spurious Plot Below 1GHz (LTE Band 66/4 – Ant B)

Bandwidth (MHz):	20
Frequency (MHz):	1745
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]
543.30	H	-	-	-78.26	25.20	53.94	-43.47	-13.00	-30.47

Table 7-34. Radiated Spurious Data Below 1GHz (LTE Band 66/4 – Ant B)



Plot 7-143. Radiated Spurious Plot Above 1GHz (LTE Band 66/4 – Ant B)

Bandwidth (MHz):	20
Frequency (MHz):	1720
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]
).00	H	-	-	-74.59	-1.14	31.27	-63.99	-13.00	-50.99
).00	H	-	-	-75.90	1.17	32.27	-62.98	-13.00	-49.98
).00	H	-	-	-75.96	5.99	37.03	-58.23	-13.00	-45.23

Table 7-35. Radiated Spurious Data Above 1GHz (LTE Band 66/4 – Low Channel – Ant B)

Bandwidth (MHz):	20
Frequency (MHz):	1745
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]
3490.00	H	-	-	-74.85	-1.34	30.81	-64.45	-13.00	-51.45
5235.00	H	-	-	-75.85	1.54	32.69	-62.57	-13.00	-49.57
6980.00	H	-	-	-75.60	5.46	36.86	-58.40	-13.00	-45.40

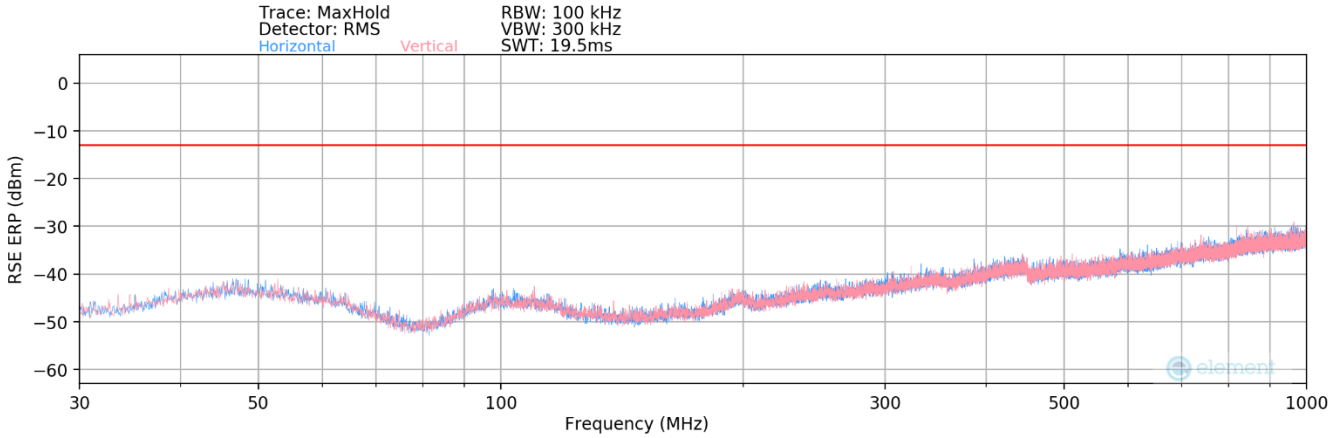
Table 7-36. Radiated Spurious Data Above 1GHz (LTE Band 66/4 – Mid Channel – Ant B)

Bandwidth (MHz):	20
Frequency (MHz):	1770
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]
3540.00	H	-	-	-74.63	-1.36	31.01	-64.25	-13.00	-51.25
5310.00	H	-	-	-76.26	2.10	32.84	-62.42	-13.00	-49.42
7080.00	H	-	-	-76.49	5.38	35.89	-59.36	-13.00	-46.36

Table 7-37. Radiated Spurious Data Above 1GHz (LTE Band 66/4 – High Channel – Ant B)

NR Band n66 – Ant B

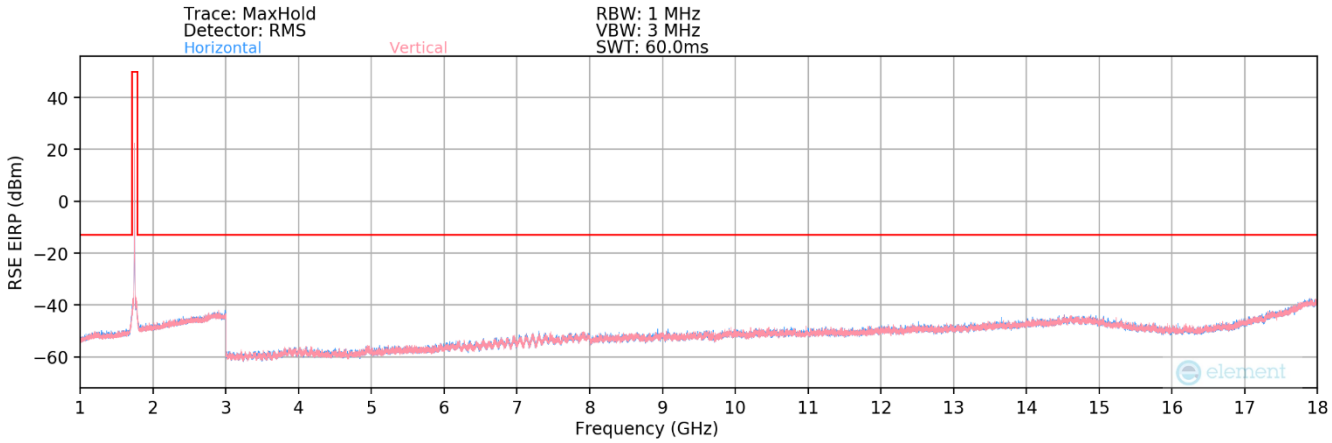


Plot 7-144. Radiated Spurious Plot Below 1GHz (NR Band n66 – Ant B)

Bandwidth (MHz):	40
Frequency (MHz):	1745
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
552.47	H	-	-	-80.03	25.44	52.41	-45.00	-13.00	-32.00

Table 7-38. Radiated Spurious Data Below 1GHz (NR Band n66 – Ant B)



Plot 7-145. Radiated Spurious Plot Above 1GHz (NR Band n66 – Ant B)

Bandwidth (MHz):	40
Frequency (MHz):	1730
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3460.00	H	-	-	-76.73	-1.38	28.89	-66.36	-13.00	-53.36
5190.00	H	-	-	-78.30	1.74	30.44	-64.82	-13.00	-51.82
6920.00	H	-	-	-78.69	4.80	33.11	-62.14	-13.00	-49.14

Table 7-39. Radiated Spurious Data Above 1GHz (NR Band n66 – Low Channel – Ant B)

Bandwidth (MHz):	40
Frequency (MHz):	1745
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.00	H	-	-	-77.87	-1.34	27.79	-67.47	-13.00	-54.47
5235.00	H	-	-	-78.55	1.54	29.99	-65.27	-13.00	-52.27
6980.00	H	-	-	-78.44	5.46	34.02	-61.24	-13.00	-48.24

Table 7-40. Radiated Spurious Data Above 1GHz (NR Band n66 – Mid Channel – Ant B)

Bandwidth (MHz):	40
Frequency (MHz):	1760
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3520.00	H	-	-	-76.75	-1.36	28.89	-66.37	-13.00	-53.37
5280.00	H	-	-	-78.06	1.87	30.81	-64.44	-13.00	-51.44
7040.00	H	-	-	-77.75	6.72	35.97	-59.29	-13.00	-46.29

Table 7-41. Radiated Spurious Data Above 1GHz (NR Band n66 – High Channel – Ant B)