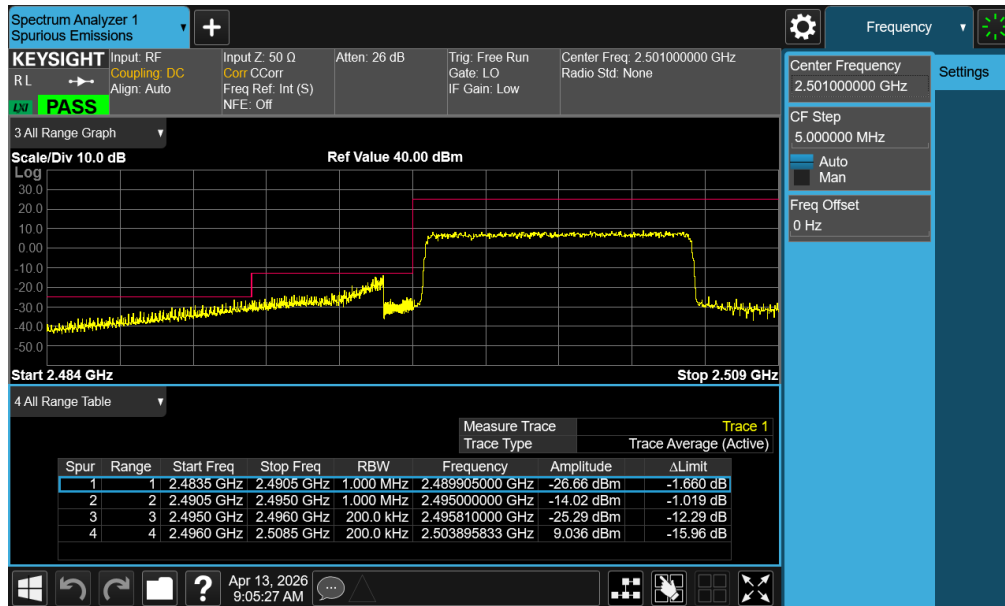


LTE Band 41(PC2) – Ant2



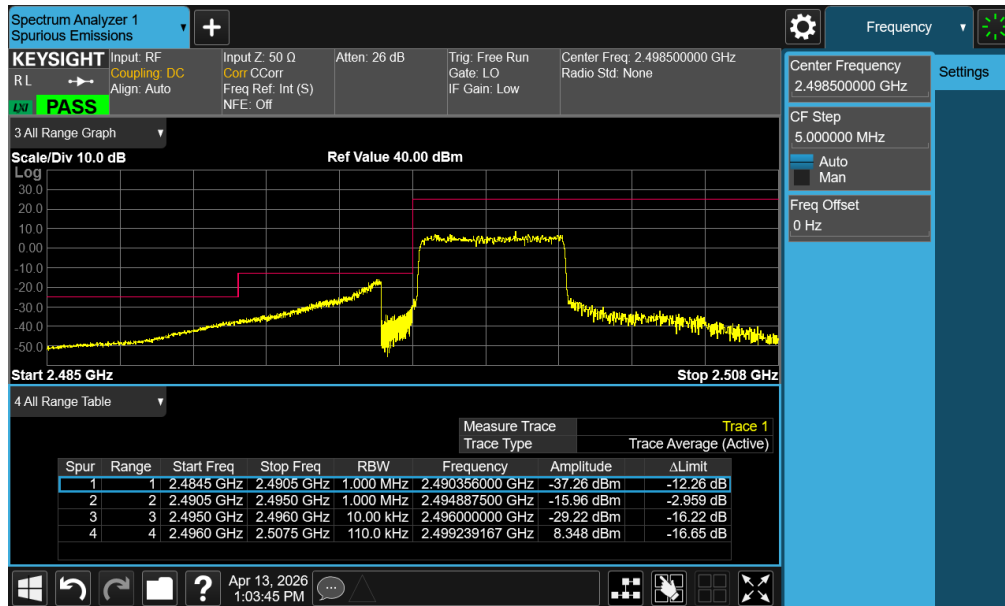
Plot 7-125. Lower ACP Plot (LTE Band 41(PC2) - 10MHz QPSK – Full RB - Ant2)



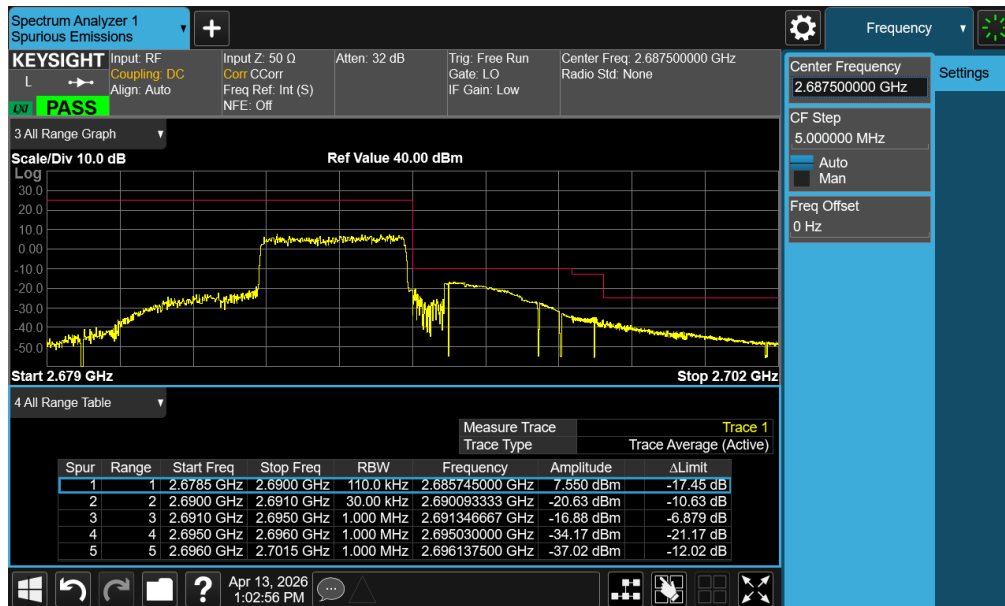
Plot 7-126. Upper ACP Plot (LTE Band 41(PC2) - 10MHz QPSK – Full RB - Ant2)

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LTE Band 41(PC3) – Ant2



Plot 7-127. Lower ACP Plot (LTE Band 41(PC3) - 5MHz QPSK – Full RB - Ant2)



Plot 7-128. Upper ACP Plot (LTE Band 41(PC3) - 5MHz QPSK – Full RB - Ant2)

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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 $\geq 3 \times$ RBW
4. Span = 1.5 times the OBW
5. No. of sweep points $\geq 2 \times$ 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.

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Test Setup

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

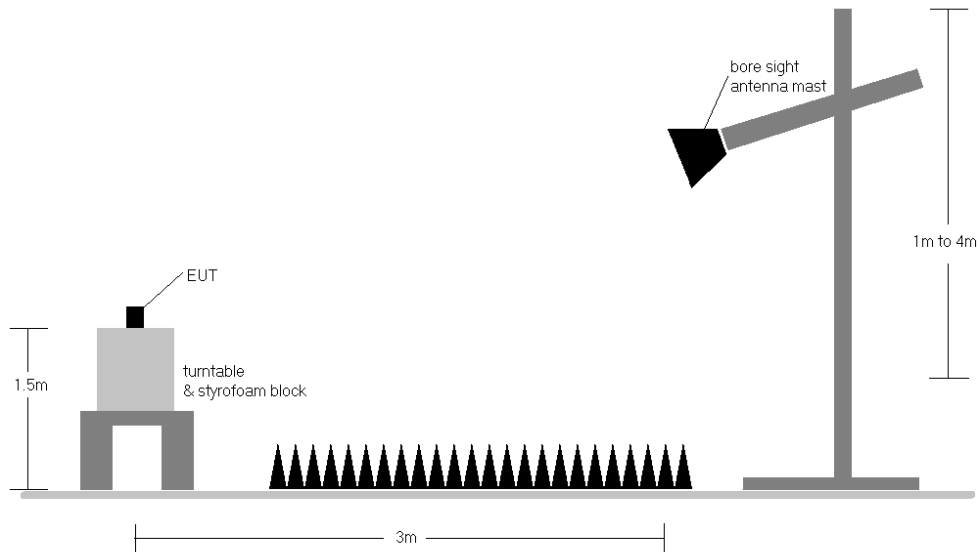


Figure 7-6. Radiated Test Setup >1GHz

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.
- 4) Only the highest target power SRS-1 antenna for n41 default (Antenna B) and n41 Tx Hopping (Antenna H) are reported for the overall n41 SRS worst case.

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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	166	178	4.12	1 / 99	18.69	22.81	0.191	33.01	-10.20
	QPSK	2593.0	H	153	168	4.35	1 / 50	17.02	21.37	0.137	33.01	-11.64
	QPSK	2680.0	H	179	182	4.50	1 / 0	13.86	18.36	0.069	33.01	-14.65
	16-QAM	2506.0	H	166	178	4.12	1 / 99	17.86	21.98	0.158	33.01	-11.03
	16-QAM	2593.0	H	153	168	4.35	1 / 50	15.57	19.92	0.098	33.01	-13.09
15 MHz	16-QAM	2680.0	H	179	182	4.50	1 / 0	12.38	16.88	0.049	33.01	-16.13
	QPSK	2503.5	H	166	178	4.14	1 / 0	18.72	22.86	0.193	33.01	-10.15
	QPSK	2593.0	H	153	168	4.35	1 / 74	16.97	21.32	0.136	33.01	-11.69
	QPSK	2682.5	H	179	182	4.49	1 / 0	13.86	18.35	0.068	33.01	-14.66
	16-QAM	2503.5	H	166	178	4.14	1 / 0	17.81	21.95	0.157	33.01	-11.06
10 MHz	16-QAM	2593.0	H	153	168	4.35	1 / 0	15.56	19.91	0.098	33.01	-13.10
	16-QAM	2682.5	H	179	182	4.49	1 / 0	12.45	16.94	0.049	33.01	-16.07
	QPSK	2501.0	H	166	178	4.16	1 / 25	18.76	22.92	0.196	33.01	-10.09
	QPSK	2593.0	H	153	168	4.35	1 / 49	16.92	21.27	0.134	33.01	-11.74
	QPSK	2685.0	H	179	182	4.49	1 / 0	13.76	18.25	0.067	33.01	-14.76
5 MHz	16-QAM	2501.0	H	166	178	4.16	1 / 49	17.84	22.00	0.158	33.01	-11.01
	16-QAM	2593.0	H	153	168	4.35	1 / 0	15.49	19.84	0.096	33.01	-13.17
	16-QAM	2685.0	H	179	182	4.49	1 / 0	12.47	16.96	0.050	33.01	-16.05
	QPSK	2498.5	H	166	178	4.17	1 / 24	18.76	22.93	0.196	33.01	-10.08
	QPSK	2593.0	H	153	168	4.35	1 / 0	16.85	21.20	0.132	33.01	-11.81
20 MHz	QPSK	2687.5	H	179	182	4.48	1 / 0	13.73	18.21	0.066	33.01	-14.80
	16-QAM	2498.5	H	166	178	4.17	1 / 24	17.81	21.98	0.158	33.01	-11.03
	16-QAM	2593.0	H	153	168	4.35	1 / 24	15.47	19.82	0.096	33.01	-13.19
	16-QAM	2687.5	H	179	182	4.48	1 / 0	12.34	16.82	0.048	33.01	-16.19
	Opposite Pol.	2506.0	V	176	264	4.06	1/99	17.15	21.21	0.132	33.01	-11.81
	WCP	2506.0	H	130	209	4.12	1/99	17.61	21.73	0.149	33.01	-11.28

Table 7-27. EIRP Data (LTE Band 41(PC2) – Ant1

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	168	180	4.12	1 / 99	17.14	21.26	0.134	33.01	-11.75
	QPSK	2593.0	H	153	178	4.35	1 / 50	16.32	20.67	0.117	33.01	-12.34
	QPSK	2680.0	H	168	194	4.50	1 / 99	13.83	18.33	0.068	33.01	-14.68
	16-QAM	2506.0	H	168	180	4.12	1 / 99	16.30	20.42	0.110	33.01	-12.59
	16-QAM	2593.0	H	153	178	4.35	1 / 50	14.90	19.25	0.084	33.01	-13.76
15 MHz	16-QAM	2680.0	H	168	194	4.50	1 / 99	12.91	17.41	0.055	33.01	-15.60
	QPSK	2503.5	H	168	180	4.14	1 / 74	17.21	21.35	0.136	33.01	-11.66
	QPSK	2593.0	H	153	178	4.35	1 / 74	16.28	20.63	0.116	33.01	-12.38
	QPSK	2682.5	H	168	194	4.49	1 / 0	13.81	18.30	0.068	33.01	-14.71
	16-QAM	2503.5	H	168	180	4.14	1 / 0	16.36	20.50	0.112	33.01	-12.51
10 MHz	16-QAM	2593.0	H	153	178	4.35	1 / 0	14.77	19.12	0.082	33.01	-13.89
	16-QAM	2682.5	H	168	194	4.49	1 / 0	12.82	17.31	0.054	33.01	-15.70
	QPSK	2501.0	H	168	180	4.16	1 / 25	17.19	21.35	0.136	33.01	-11.66
	QPSK	2593.0	H	153	178	4.35	1 / 49	16.21	20.56	0.114	33.01	-12.45
	QPSK	2685.0	H	168	194	4.49	1 / 25	13.78	18.27	0.067	33.01	-14.74
5 MHz	16-QAM	2501.0	H	168	180	4.16	1 / 25	16.32	20.48	0.112	33.01	-12.53
	16-QAM	2593.0	H	153	178	4.35	1 / 49	14.82	19.17	0.083	33.01	-13.84
	16-QAM	2685.0	H	168	194	4.49	1 / 0	12.97	17.46	0.056	33.01	-15.55
	QPSK	2498.5	H	168	180	4.17	1 / 0	17.14	21.31	0.135	33.01	-11.70
	QPSK	2593.0	H	153	178	4.35	1 / 0	16.21	20.56	0.114	33.01	-12.45
20 MHz	QPSK	2687.5	H	168	194	4.48	1 / 12	13.79	18.27	0.067	33.01	-14.74
	16-QAM	2498.5	H	168	180	4.17	1 / 24	16.25	20.42	0.110	33.01	-12.59
	16-QAM	2593.0	H	153	178	4.35	1 / 12	14.86	19.21	0.083	33.01	-13.80
	16-QAM	2687.5	H	168	194	4.48	1 / 12	12.88	17.36	0.054	33.01	-15.65
	Opposite Pol.	2506.0	V	124	272	4.06	1/50	15.53	19.59	0.091	33.01	-13.43
	WCP	2506.0	H	130	209	4.12	1/99	16.91	21.03	0.127	33.01	-11.98

Table 7-28. EIRP Data (LTE Band 41(PC3) – Ant1

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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	11/2 BPSK	2546.01	H	130	209	4.25	1 / 1	16.40	20.65	0.116	33.01	-12.36
	11/2 BPSK	2592.99	H	120	214	4.35	1 / 1	16.08	20.43	0.111	33.01	-12.58
	11/2 BPSK	2640.00	H	113	212	4.50	1 / 136	16.12	20.62	0.115	33.01	-12.39
	QPSK	2546.01	H	130	209	4.25	1 / 1	16.73	20.98	0.125	33.01	-12.03
	QPSK	2592.99	H	120	214	4.35	1 / 1	16.75	21.10	0.129	33.01	-11.91
	QPSK	2640.00	H	113	212	4.50	1 / 136	16.15	20.65	0.116	33.01	-12.36
	16-QAM	2546.01	H	130	209	4.25	1 / 1	16.33	20.58	0.114	33.01	-12.43
	16-QAM	2592.99	H	120	214	4.35	1 / 1	16.11	20.46	0.111	33.01	-12.55
	16-QAM	2640.00	H	113	212	4.50	1 / 136	15.33	19.83	0.096	33.01	-13.18
	16-QAM	2640.00	H	113	212	4.50	1 / 136	15.33	19.83	0.096	33.01	-13.18
90 MHz	11/2 BPSK	2541.00	H	130	209	4.22	1 / 1	16.43	20.65	0.116	33.01	-12.36
	11/2 BPSK	2592.99	H	120	214	4.35	1 / 243	15.94	20.29	0.107	33.01	-12.72
	11/2 BPSK	2644.98	H	113	212	4.51	1 / 122	16.18	20.69	0.117	33.01	-12.32
	QPSK	2541.00	H	130	209	4.22	1 / 1	16.72	20.94	0.124	33.01	-12.07
	QPSK	2592.99	H	120	214	4.35	1 / 243	16.63	20.98	0.125	33.01	-12.03
	QPSK	2644.98	H	113	212	4.51	1 / 122	16.24	20.75	0.119	33.01	-12.26
	16-QAM	2541.00	H	130	209	4.22	1 / 1	16.29	20.51	0.112	33.01	-12.50
	16-QAM	2592.99	H	120	214	4.35	1 / 243	16.08	20.43	0.111	33.01	-12.58
	16-QAM	2644.98	H	113	212	4.51	1 / 122	15.45	19.96	0.099	33.01	-13.05
	16-QAM	2644.98	H	113	212	4.51	1 / 122	15.45	19.96	0.099	33.01	-13.05
80 MHz	11/2 BPSK	2536.02	H	130	209	4.19	1 / 1	16.40	20.59	0.115	33.01	-12.42
	11/2 BPSK	2592.99	H	120	214	4.35	1 / 215	16.13	20.48	0.112	33.01	-12.53
	11/2 BPSK	2649.99	H	113	212	4.52	1 / 1	16.28	20.80	0.120	33.01	-12.21
	QPSK	2536.02	H	130	209	4.19	1 / 1	16.63	20.82	0.121	33.01	-12.19
	QPSK	2592.99	H	120	214	4.35	1 / 215	16.60	20.95	0.125	33.01	-12.06
	QPSK	2649.99	H	113	212	4.52	1 / 1	16.33	20.85	0.122	33.01	-12.16
	16-QAM	2536.02	H	130	209	4.19	1 / 1	16.27	20.46	0.111	33.01	-12.55
	16-QAM	2592.99	H	120	214	4.35	1 / 215	16.02	20.37	0.109	33.01	-12.64
	16-QAM	2649.99	H	113	212	4.52	1 / 1	15.54	20.06	0.101	33.01	-12.95
	16-QAM	2649.99	H	113	212	4.52	1 / 1	15.54	20.06	0.101	33.01	-12.95
70 MHz	11/2 BPSK	2531.01	H	130	209	4.16	1 / 1	16.34	20.50	0.112	33.01	-12.51
	11/2 BPSK	2592.99	H	120	214	4.35	1 / 187	16.00	20.35	0.108	33.01	-12.66
	11/2 BPSK	2655.00	H	113	212	4.51	1 / 1	16.39	20.89	0.123	33.01	-12.12
	QPSK	2531.01	H	130	209	4.16	1 / 1	16.64	20.80	0.120	33.01	-12.21
	QPSK	2592.99	H	120	214	4.35	1 / 187	16.66	21.01	0.126	33.01	-12.00
	QPSK	2655.00	H	113	212	4.51	1 / 1	16.59	21.09	0.129	33.01	-11.92
	16-QAM	2531.01	H	130	209	4.16	1 / 1	16.24	20.40	0.110	33.01	-12.61
	16-QAM	2592.99	H	120	214	4.35	1 / 187	16.03	20.38	0.109	33.01	-12.63
	16-QAM	2655.00	H	113	212	4.51	1 / 1	15.57	20.07	0.102	33.01	-12.94
	16-QAM	2655.00	H	113	212	4.51	1 / 1	15.57	20.07	0.102	33.01	-12.94
60 MHz	11/2 BPSK	2526.00	H	130	209	4.12	1 / 1	16.20	20.32	0.108	33.01	-12.69
	11/2 BPSK	2592.99	H	120	214	4.35	1 / 160	16.16	20.51	0.113	33.01	-12.50
	11/2 BPSK	2659.98	H	113	212	4.49	1 / 1	16.27	20.76	0.119	33.01	-12.25
	QPSK	2526.00	H	130	209	4.12	1 / 1	16.49	20.61	0.115	33.01	-12.40
	QPSK	2592.99	H	120	214	4.35	1 / 160	16.84	21.19	0.132	33.01	-11.82
	QPSK	2659.98	H	113	212	4.49	1 / 1	16.30	20.79	0.120	33.01	-12.22
	16-QAM	2526.00	H	130	209	4.12	1 / 1	16.30	20.42	0.110	33.01	-12.59
	16-QAM	2592.99	H	120	214	4.35	1 / 160	16.06	20.41	0.110	33.01	-12.60
	16-QAM	2659.98	H	113	212	4.49	1 / 1	15.61	20.10	0.102	33.01	-12.91
	16-QAM	2659.98	H	113	212	4.49	1 / 1	15.61	20.10	0.102	33.01	-12.91
50 MHz	11/2 BPSK	2521.02	H	130	209	4.08	1 / 1	16.38	20.46	0.111	33.01	-12.55
	11/2 BPSK	2592.99	H	120	214	4.35	1 / 131	15.96	20.31	0.108	33.01	-12.70
	11/2 BPSK	2664.99	H	113	212	4.51	1 / 1	16.23	20.74	0.119	33.01	-12.27
	QPSK	2521.02	H	130	209	4.08	1 / 1	16.77	20.85	0.122	33.01	-12.16
	QPSK	2592.99	H	120	214	4.35	1 / 131	16.63	20.98	0.125	33.01	-12.03
	QPSK	2664.99	H	113	212	4.51	1 / 1	16.31	20.82	0.121	33.01	-12.19
	16-QAM	2521.02	H	130	209	4.08	1 / 1	16.33	20.41	0.110	33.01	-12.60
	16-QAM	2592.99	H	120	214	4.35	1 / 131	15.86	20.21	0.105	33.01	-12.80
	16-QAM	2664.99	H	113	212	4.51	1 / 1	15.50	20.01	0.100	33.01	-13.00
	16-QAM	2664.99	H	113	212	4.51	1 / 1	15.50	20.01	0.100	33.01	-13.00
40 MHz	11/2 BPSK	2516.01	H	130	209	4.08	1 / 1	16.24	20.32	0.108	33.01	-12.69
	11/2 BPSK	2592.99	H	120	214	4.35	1 / 104	15.77	20.12	0.103	33.01	-12.89
	11/2 BPSK	2670.00	H	113	212	4.53	1 / 1	16.10	20.63	0.116	33.01	-12.38
	QPSK	2516.01	H	130	209	4.08	1 / 1	16.56	20.64	0.116	33.01	-12.37
	QPSK	2592.99	H	120	214	4.35	1 / 104	16.44	20.79	0.120	33.01	-12.22
	QPSK	2670.00	H	113	212	4.53	1 / 1	16.11	20.64	0.116	33.01	-12.37
	16-QAM	2516.01	H	130	209	4.08	1 / 1	16.26	20.34	0.108	33.01	-12.67
	16-QAM	2592.99	H	120	214	4.35	1 / 104	15.79	20.14	0.103	33.01	-12.87
	16-QAM	2670.00	H	113	212	4.53	1 / 1	15.37	19.90	0.098	33.01	-13.11
	16-QAM	2670.00	H	113	212	4.53	1 / 1	15.37	19.90	0.098	33.01	-13.11
30 MHz	11/2 BPSK	2511.00	H	130	209	4.08	1 / 1	16.20	20.28	0.107	33.01	-12.73
	11/2 BPSK	2592.99	H	120	214	4.35	1 / 76	15.57	19.92	0.098	33.01	-13.09
	11/2 BPSK	2674.98	H	113	212	4.52	1 / 1	16.08	20.59	0.115	33.01	-12.42
	QPSK	2511.00	H	130	209	4.08	1 / 1	16.54	20.62	0.115	33.01	-12.39
	QPSK	2592.99	H	120	214	4.35	1 / 76	16.23	20.58	0.114	33.01	-12.43
	QPSK	2674.98	H	113	212	4.52	1 / 76	15.92	20.43	0.111	33.01	-12.58
	16-QAM	2511.00	H	130	209	4.08	1 / 1	16.28	20.36	0.109	33.01	-12.65
	16-QAM	2592.99	H	120	214	4.35	1 / 76	15.58	19.93	0.098	33.01	-13.08
	16-QAM	2674.98	H	113	212	4.52	1 / 76	15.28	19.79	0.095	33.01	-13.22
	16-QAM	2674.98	H	113	212	4.52	1 / 76	15.28	19.79	0.095	33.01	-13.22
20 MHz	11/2 BPSK	2506.02	H	130	209	4.12	1 / 1	16.17	20.29	0.107	33.01	-12.72
	11/2 BPSK	2592.99	H	120	214	4.35	1 / 49	15.34	19.69	0.093	33.01	-13.32
	11/2 BPSK	2679.99	H	113	212	4.50	1 / 25	15.98	20.47	0.112	33.01	-12.54
	QPSK	2506.02	H	130	209	4.12	1 / 1	16.44	20.56	0.114	33.01	-12.45
	QPSK	2592.99	H	120	214	4.35	1 / 49	15.89	20.24	0.106	33.01	-12.77
	QPSK	2679.99	H	113	212	4.50	1 / 25	15.92	20.41	0.110	33.01	-12.60
	16-QAM	2506.02	H	130	209	4.12	1 / 1	15.99	20.11	0.103	33.01	-12.90
	16-QAM	2592.99	H	120	214	4.35	1 / 49	15.46	19.81	0.096	33.01	-13.20
	16-QAM	2679.99	H	113	212	4.50	1 / 25	15.09	19.58	0.091	33.01	-13.43
	16-QAM	2679.99	H	113	212	4.50	1 / 25	15.09	19.58	0.091	33.01	-13.43
15 MHz	11/2 BPSK	2503.50	H	130	209	4.14	1 / 1	16.25	20.39	0.109	33.01	-12.62
	11/2 BPSK	2592.99	H	120	214	4.35	1 / 36	15.30	19.65	0.092	33.01	-13.36
	11/2 BPSK	2682.50	H	113	212	4.49	1 / 19	15.98	20.47	0.112	33.01	-12.54
	QPSK	2503.50	H	130	209	4.14	1 / 1	16.56	20.70	0.117	33.01	-12.31
	QPSK	2592.99	H	120	214	4.35	1 / 36	15.88	20.23	0.106	33.01	-12.78
	QPSK	2682.50	H	113	212	4.49	1 / 19	15.90	20.39	0.110	33.01	-12.62</

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	Margin [dB]
100 MHz	11/2 BPSK	2546.01	H	143	186	4.25	1 / 136	18.64	22.89	0.195	33.01	-10.12
	11/2 BPSK	2592.99	H	133	184	4.35	1 / 136	18.58	22.93	0.197	33.01	-10.08
	11/2 BPSK	2640.00	H	156	187	4.50	1 / 1	18.11	22.61	0.183	33.01	-10.40
	QPSK	2546.01	H	143	186	4.25	1 / 136	18.63	22.88	0.194	33.01	-10.13
	QPSK	2592.99	H	133	184	4.35	1 / 136	18.62	22.97	0.198	33.01	-10.04
	QPSK	2640.00	H	156	187	4.50	1 / 1	17.98	22.48	0.177	33.01	-10.53
	16-QAM	2546.01	H	143	186	4.25	1 / 136	17.55	21.80	0.151	33.01	-11.21
	16-QAM	2592.99	H	133	184	4.35	1 / 136	17.31	21.66	0.147	33.01	-11.35
	16-QAM	2640.00	H	156	187	4.50	1 / 1	17.05	21.55	0.143	33.01	-11.46
	16-QAM	2644.98	H	156	187	4.51	1 / 122	17.11	21.62	0.145	33.01	-11.39
90 MHz	11/2 BPSK	2541.00	H	143	186	4.22	1 / 1	18.59	22.81	0.191	33.01	-10.20
	11/2 BPSK	2592.99	H	133	184	4.35	1 / 243	18.50	22.85	0.193	33.01	-10.16
	11/2 BPSK	2644.98	H	156	187	4.51	1 / 122	18.12	22.63	0.183	33.01	-10.38
	QPSK	2541.00	H	143	186	4.22	1 / 1	18.60	22.82	0.191	33.01	-10.19
	QPSK	2592.99	H	133	184	4.35	1 / 243	18.60	22.95	0.197	33.01	-10.06
	QPSK	2644.98	H	156	187	4.51	1 / 122	17.97	22.48	0.177	33.01	-10.53
	16-QAM	2541.00	H	143	186	4.22	1 / 1	17.47	21.69	0.148	33.01	-11.32
	16-QAM	2592.99	H	133	184	4.35	1 / 243	17.27	21.62	0.145	33.01	-11.39
	16-QAM	2644.98	H	156	187	4.51	1 / 122	17.11	21.62	0.145	33.01	-11.39
	16-QAM	2649.99	H	156	187	4.52	1 / 108	16.98	21.50	0.141	33.01	-11.51
80 MHz	11/2 BPSK	2531.01	H	143	186	4.16	1 / 1	18.49	22.65	0.184	33.01	-10.36
	11/2 BPSK	2592.99	H	133	184	4.35	1 / 187	18.31	22.66	0.185	33.01	-10.35
	11/2 BPSK	2655.00	H	156	187	4.51	1 / 1	18.00	22.50	0.178	33.01	-10.51
	QPSK	2531.01	H	143	186	4.16	1 / 1	18.51	22.67	0.185	33.01	-10.34
	QPSK	2592.99	H	133	184	4.35	1 / 187	18.41	22.76	0.189	33.01	-10.25
	QPSK	2655.00	H	156	187	4.51	1 / 1	17.87	22.37	0.173	33.01	-10.64
	16-QAM	2531.01	H	143	186	4.16	1 / 1	17.42	21.58	0.144	33.01	-11.43
	16-QAM	2592.99	H	133	184	4.35	1 / 187	17.10	21.45	0.140	33.01	-11.56
	16-QAM	2655.00	H	156	187	4.51	1 / 1	17.05	21.55	0.143	33.01	-11.46
	16-QAM	2659.98	H	156	187	4.49	1 / 1	17.16	21.65	0.146	33.01	-11.36
70 MHz	11/2 BPSK	2521.02	H	143	186	4.08	1 / 1	18.55	22.63	0.183	33.01	-10.38
	11/2 BPSK	2592.99	H	133	184	4.35	1 / 131	18.09	22.44	0.176	33.01	-10.57
	11/2 BPSK	2664.99	H	156	187	4.51	1 / 1	18.27	22.78	0.190	33.01	-10.23
	QPSK	2521.02	H	143	186	4.08	1 / 1	18.54	22.62	0.183	33.01	-10.39
	QPSK	2592.99	H	133	184	4.35	1 / 131	18.18	22.53	0.179	33.01	-10.48
	QPSK	2664.99	H	156	187	4.51	1 / 1	18.04	22.55	0.180	33.01	-10.46
	16-QAM	2521.02	H	143	186	4.08	1 / 131	17.43	21.51	0.142	33.01	-11.50
	16-QAM	2592.99	H	133	184	4.35	1 / 131	16.86	21.21	0.132	33.01	-11.80
	16-QAM	2664.99	H	156	187	4.51	1 / 1	17.19	21.70	0.148	33.01	-11.31
	16-QAM	2669.99	H	156	187	4.51	1 / 1	17.29	21.80	0.149	33.01	-11.21
60 MHz	11/2 BPSK	2516.01	H	143	186	4.08	1 / 1	18.50	22.58	0.181	33.01	-10.43
	11/2 BPSK	2592.99	H	133	184	4.35	1 / 104	18.05	22.40	0.174	33.01	-10.61
	11/2 BPSK	2670.00	H	156	187	4.53	1 / 1	18.10	22.63	0.183	33.01	-10.38
	QPSK	2516.01	H	143	186	4.08	1 / 104	18.45	22.53	0.179	33.01	-10.48
	QPSK	2592.99	H	133	184	4.35	1 / 104	18.15	22.50	0.178	33.01	-10.51
	QPSK	2670.00	H	156	187	4.53	1 / 1	17.92	22.45	0.176	33.01	-10.56
	16-QAM	2516.01	H	143	186	4.08	1 / 104	17.38	21.46	0.140	33.01	-11.55
	16-QAM	2592.99	H	133	184	4.35	1 / 104	16.82	21.17	0.131	33.01	-11.84
	16-QAM	2670.00	H	156	187	4.53	1 / 1	17.06	21.59	0.144	33.01	-11.42
	16-QAM	2674.98	H	156	187	4.52	1 / 1	17.09	21.60	0.145	33.01	-11.41
50 MHz	11/2 BPSK	2511.00	H	143	186	4.08	1 / 1	18.77	22.85	0.193	33.01	-10.16
	11/2 BPSK	2592.99	H	133	184	4.35	1 / 76	17.95	22.30	0.170	33.01	-10.71
	11/2 BPSK	2674.98	H	156	187	4.52	1 / 1	18.09	22.60	0.182	33.01	-10.41
	QPSK	2511.00	H	143	186	4.08	1 / 1	18.73	22.81	0.191	33.01	-10.20
	QPSK	2592.99	H	133	184	4.35	1 / 76	18.03	22.38	0.173	33.01	-10.63
	QPSK	2674.98	H	156	187	4.52	1 / 1	17.93	22.44	0.176	33.01	-10.57
	16-QAM	2511.00	H	143	186	4.08	1 / 1	17.67	21.75	0.150	33.01	-11.26
	16-QAM	2592.99	H	133	184	4.35	1 / 76	16.69	21.04	0.127	33.01	-11.97
	16-QAM	2674.98	H	156	187	4.52	1 / 1	17.09	21.60	0.145	33.01	-11.41
	16-QAM	2679.99	H	156	187	4.50	1 / 1	17.16	21.66	0.146	33.01	-11.38
40 MHz	11/2 BPSK	2506.02	H	143	186	4.12	1 / 25	18.55	22.67	0.185	33.01	-10.34
	11/2 BPSK	2592.99	H	133	184	4.35	1 / 25	17.80	22.15	0.164	33.01	-10.86
	11/2 BPSK	2679.99	H	156	187	4.50	1 / 1	17.76	22.25	0.168	33.01	-10.76
	QPSK	2506.02	H	143	186	4.12	1 / 25	18.54	22.66	0.184	33.01	-10.35
	QPSK	2592.99	H	133	184	4.35	1 / 49	17.89	22.24	0.168	33.01	-10.77
	QPSK	2679.99	H	156	187	4.50	1 / 25	17.50	21.99	0.158	33.01	-11.02
	16-QAM	2506.02	H	143	186	4.12	1 / 1	17.43	21.55	0.143	33.01	-11.46
	16-QAM	2592.99	H	133	184	4.35	1 / 1	16.52	20.87	0.122	33.01	-12.14
	16-QAM	2679.99	H	156	187	4.50	1 / 1	16.66	21.15	0.130	33.01	-11.86
	16-QAM	2684.99	H	156	187	4.51	1 / 1	16.77	21.26	0.131	33.01	-11.75
30 MHz	11/2 BPSK	2503.50	H	143	186	4.14	1 / 1	18.65	22.79	0.190	33.01	-10.22
	11/2 BPSK	2592.99	H	133	184	4.35	1 / 19	17.84	22.19	0.166	33.01	-10.82
	11/2 BPSK	2682.50	H	156	187	4.49	1 / 1	17.77	22.26	0.168	33.01	-10.75
	QPSK	2503.50	H	143	186	4.14	1 / 19	18.69	22.83	0.192	33.01	-10.18
	QPSK	2592.99	H	133	184	4.35	1 / 19	17.90	22.25	0.168	33.01	-10.76
	QPSK	2682.50	H	156	187	4.49	1 / 1	17.60	22.09	0.162	33.01	-10.92
	16-QAM	2503.50	H	143	186	4.14	1 / 1	17.59	21.73	0.149	33.01	-11.28
	16-QAM	2592.99	H	133	184	4.35	1 / 36	16.57	20.92	0.124	33.01	-12.09
	16-QAM	2682.50	H	156	187	4.49	1 / 36	16.66	21.15	0.130	33.01	-11.86
	16-QAM	2685.00	H	143	186	4.16	1 / 12	18.60	22.76	0.189	33.01	-10.25
20 MHz	11/2 BPSK	2502.99	H	133	184	4.35	1 / 12	17.82	22.17	0.165	33.01	-10.84
	11/2 BPSK	2592.99	H	133	184	4.35	1 / 12	17.56	22.04	0.160	33.01	-10.97
	QPSK	2502.99	H	133	184	4.35	1 / 11	18.61	22.76	0.189	33.01	-10.25
	QPSK	2592.99	H	133	184	4.35	1 / 12	17.90	22.25	0.168	33.01	-10.76
	QPSK	2685.00	H	156	187	4.49	1 / 1	17.41	21.89	0.155	33.01	-11.12
	16-QAM	2502.99	H	143	186	4.16	1 / 1	17.49	21.65	0.146	33.01	-11.36
	16-QAM	2592.99	H	133	184	4.35	1 / 12	16.55	20.90	0.123	33.01	-12.11
	16-QAM	2685.00	H	156	187	4.49	1 / 1	16.54	21.02	0.127	33.01	-11.99
	16-QAM	2688.00	H	156	187	4.49	1 / 1	16.54	21.02	0.127	33.01	-11.99
	100 MHz	QPSK (CP-OFDM)	2592.99	H	130	184	4.35	1/136	18.83	21.18	0.131	33.01
	QPSK (Opposite Pol.)	2592.99	V	247	273	4.35	1/136	17.59	21.94	0.156	33.01	-11.07
	QPSK (WCP)	2592.99	H	130	182	4.35	1/136	17.81	22.16	0.165	33.01	-11.85

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	213	4.12	1 / 0	18.17	22.29	0.169	33.01	-10.72
	QPSK	2593.0	H	149	211	4.35	1 / 0	17.81	22.16	0.165	33.01	-10.85
	QPSK	2680.0	H	140	211	4.50	1 / 0	16.43	20.93	0.124	33.01	-12.08
	16-QAM	2506.0	H	143	213	4.12	1 / 0	17.30	21.42	0.139	33.01	-11.59
	16-QAM	2593.0	H	149	211	4.35	1 / 0	17.00	21.35	0.137	33.01	-11.66
15 MHz	16-QAM	2680.0	H	140	211	4.50	1 / 0	15.59	20.09	0.102	33.01	-12.92
	QPSK	2503.5	H	143	213	4.14	1 / 74	18.06	22.20	0.166	33.01	-10.81
	QPSK	2593.0	H	149	211	4.35	1 / 74	17.71	22.06	0.161	33.01	-10.95
	QPSK	2682.5	H	140	211	4.49	1 / 0	16.51	21.00	0.126	33.01	-12.01
	16-QAM	2503.5	H	143	213	4.14	1 / 74	17.22	21.36	0.137	33.01	-11.65
10 MHz	16-QAM	2593.0	H	149	211	4.35	1 / 74	16.96	21.31	0.135	33.01	-11.70
	16-QAM	2682.5	H	140	211	4.49	1 / 0	15.55	20.04	0.101	33.01	-12.97
	QPSK	2501.0	H	143	213	4.16	1 / 0	18.16	22.32	0.171	33.01	-10.69
	QPSK	2593.0	H	149	211	4.35	1 / 25	17.76	22.11	0.163	33.01	-10.90
	QPSK	2685.0	H	140	211	4.49	1 / 0	16.54	21.03	0.127	33.01	-11.98
5 MHz	16-QAM	2501.0	H	143	213	4.16	1 / 0	17.28	21.44	0.139	33.01	-11.57
	16-QAM	2593.0	H	149	211	4.35	1 / 25	16.79	21.14	0.130	33.01	-11.87
	16-QAM	2685.0	H	140	211	4.49	1 / 0	15.61	20.10	0.102	33.01	-12.91
	QPSK	2498.5	H	143	213	4.17	1 / 24	18.10	22.27	0.169	33.01	-10.74
	QPSK	2593.0	H	149	211	4.35	1 / 0	17.78	22.13	0.163	33.01	-10.88
20 MHz	QPSK	2687.5	H	140	211	4.48	1 / 0	16.55	21.03	0.127	33.01	-11.98
	16-QAM	2498.5	H	143	213	4.17	1 / 24	17.26	21.43	0.139	33.01	-11.58
	16-QAM	2593.0	H	149	211	4.35	1 / 0	16.85	21.20	0.132	33.01	-11.81
	16-QAM	2687.5	H	140	211	4.48	1 / 0	15.50	19.98	0.100	33.01	-13.03
20 MHz	Opposite Pol.	2506.0	V	247	268	4.06	1 / 0	15.30	19.36	0.086	33.01	-13.66
	WCP	2506.0	H	159	212	4.12	1 / 99	15.38	19.50	0.089	33.01	-13.51

Table 7-31. EIRP Data (LTE Band 41(PC2) – Ant2)

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	198	211	4.12	1 / 0	17.32	21.44	0.139	33.01	-11.57
	QPSK	2593.0	H	179	209	4.35	1 / 50	17.00	21.35	0.137	33.01	-11.66
	QPSK	2680.0	H	201	206	4.50	1 / 99	15.70	20.20	0.105	33.01	-12.81
	16-QAM	2506.0	H	198	211	4.12	1 / 0	16.26	20.38	0.109	33.01	-12.63
	16-QAM	2593.0	H	179	209	4.35	1 / 50	15.67	20.02	0.101	33.01	-12.99
15 MHz	16-QAM	2680.0	H	201	206	4.50	1 / 99	14.51	19.01	0.080	33.01	-14.00
	QPSK	2503.5	H	198	211	4.14	1 / 37	17.30	21.44	0.139	33.01	-11.57
	QPSK	2593.0	H	179	209	4.35	1 / 74	16.80	21.15	0.130	33.01	-11.86
	QPSK	2682.5	H	201	206	4.49	1 / 37	15.60	20.09	0.102	33.01	-12.92
	16-QAM	2503.5	H	198	211	4.14	1 / 74	16.38	20.52	0.113	33.01	-12.49
10 MHz	16-QAM	2593.0	H	179	209	4.35	1 / 74	15.42	19.77	0.095	33.01	-13.24
	16-QAM	2682.5	H	201	206	4.49	1 / 37	14.46	18.95	0.079	33.01	-14.06
	QPSK	2501.0	H	198	211	4.16	1 / 49	17.18	21.34	0.136	33.01	-11.67
	QPSK	2593.0	H	179	209	4.35	1 / 49	16.85	21.20	0.132	33.01	-11.81
	QPSK	2685.0	H	201	206	4.49	1 / 0	15.56	20.05	0.101	33.01	-12.96
5 MHz	16-QAM	2501.0	H	198	211	4.16	1 / 49	16.28	20.44	0.111	33.01	-12.57
	16-QAM	2593.0	H	179	209	4.35	1 / 49	15.50	19.85	0.097	33.01	-13.16
	16-QAM	2685.0	H	201	206	4.49	1 / 0	14.42	18.91	0.078	33.01	-14.10
	QPSK	2498.5	H	198	211	4.17	1 / 12	17.23	21.40	0.138	33.01	-11.61
	QPSK	2593.0	H	179	209	4.35	1 / 12	17.00	21.35	0.137	33.01	-11.66
20 MHz	QPSK	2687.5	H	201	206	4.48	1 / 12	15.56	20.04	0.101	33.01	-12.97
	16-QAM	2498.5	H	198	211	4.17	1 / 12	16.37	20.54	0.113	33.01	-12.47
	16-QAM	2593.0	H	179	209	4.35	1 / 12	15.70	20.05	0.101	33.01	-12.96
	16-QAM	2687.5	H	201	206	4.48	1 / 12	14.43	18.91	0.078	33.01	-14.10
20 MHz	Opposite Pol.	2506.0	V	130	270	4.06	1 / 99	15.96	20.02	0.100	33.01	-13.00
	WCP	2506.0	H	126	209	4.12	1 / 99	16.89	21.01	0.126	33.01	-12.00

Table 7-32. EIRP Data (LTE Band 41(PC3) – Ant2)

FCC ID: A3LSMF776B	PART 27 MEASUREMENT REPORT		Test Dates: 3/11/2026 - 5/6/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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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 $\geq 3 \times$ RBW
3. Span = 1.5 times the OBW
4. No. of sweep points $\geq 2 \times$ span / RBW
5. Detector = RMS
6. Trace mode = Average (Max Hold for pulsed emissions)
7. The trace was allowed to stabilize

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Test Setup

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

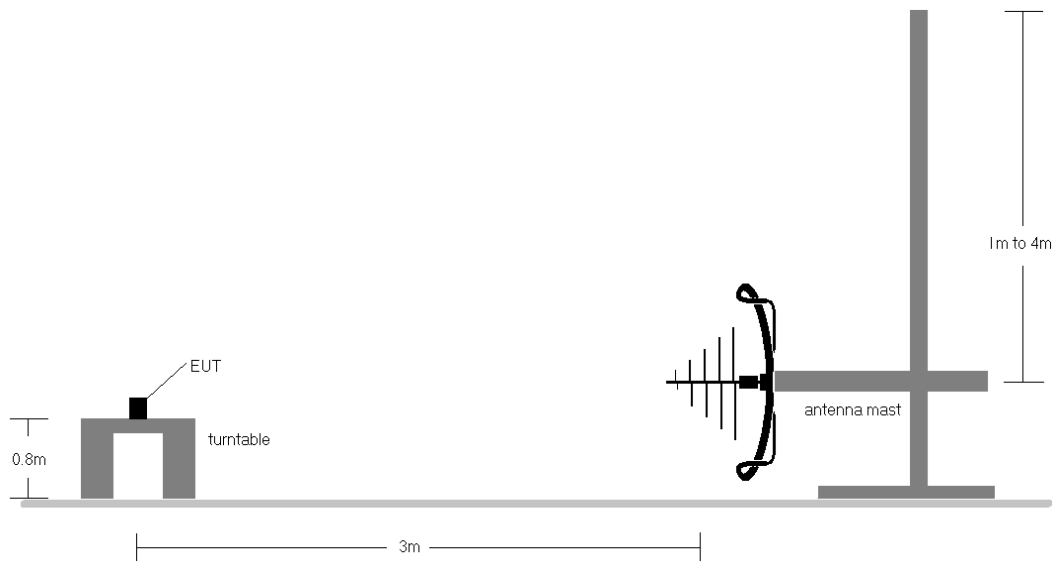


Figure 7-7. Test Instrument & Measurement Setup < 1GHz

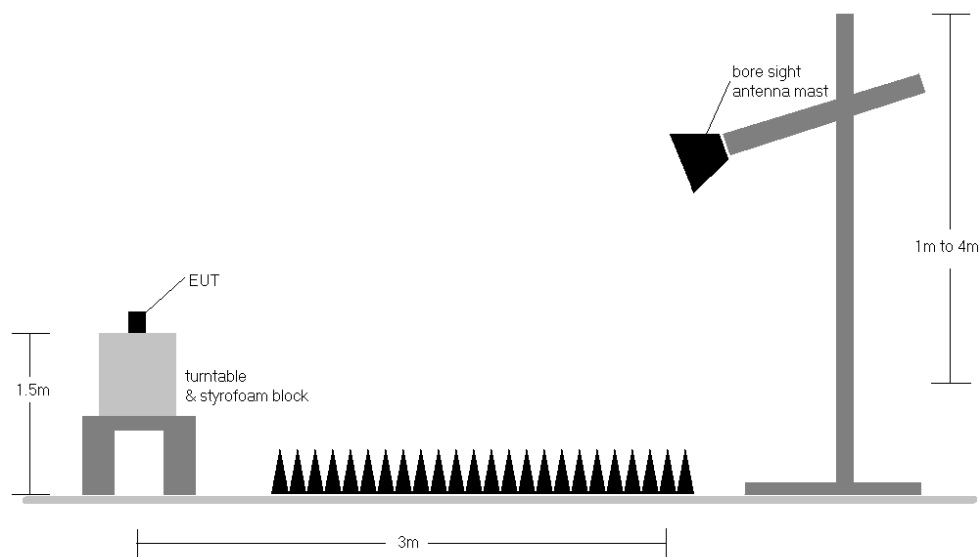


Figure 7-8. Test Instrument & Measurement Setup >1 GHz

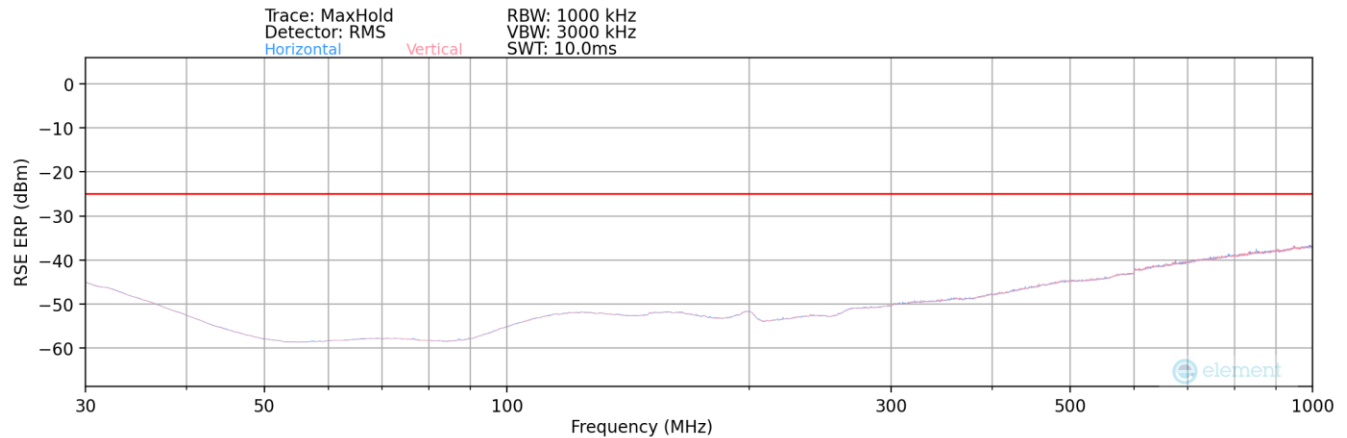
FCC ID: A3LSMF776B	PART 27 MEASUREMENT REPORT	Test Dates: 3/11/2026 - 5/6/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2603110020-08-R1.A3L	 This report is Blockchain Verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the Blockchain logo.			Page 119 of 136

Test Notes

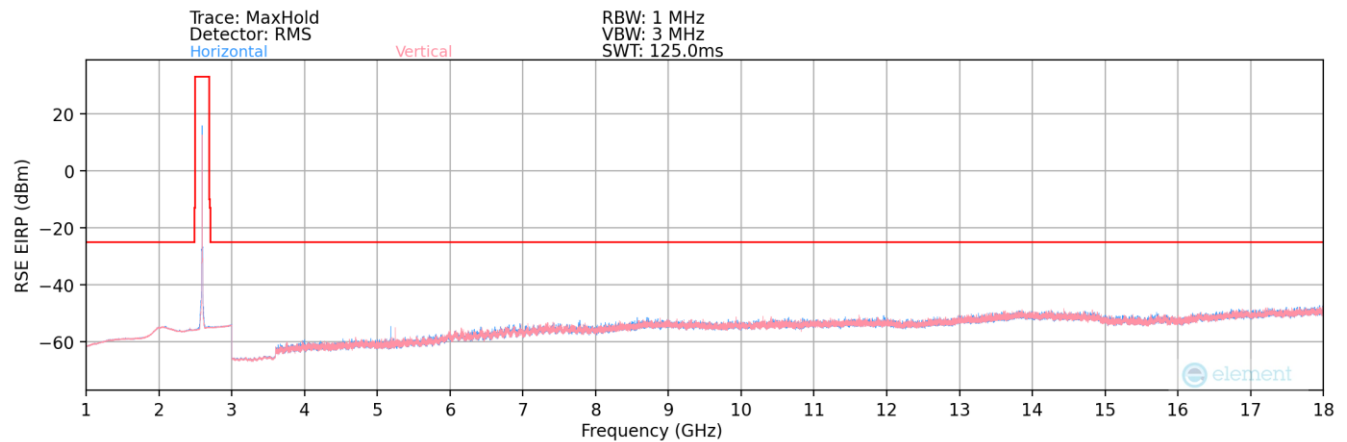
- 1) Field strengths are calculated using the Measurement quantity conversions in ANSI C63.26:2015 Section 5.2.7:
 - a) $E(\text{dB}\mu\text{V/m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
 - b) $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V/m}) + 20\log D - 104.8$; 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) 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.
- 8) 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. Spurious emissions from the NR carrier device are 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.
- 9) Only the highest target power SRS-1 antenna for n41 default (Antenna B) and n41 Tx Hopping (Antenna F) are reported for the overall n41 SRS worst case.

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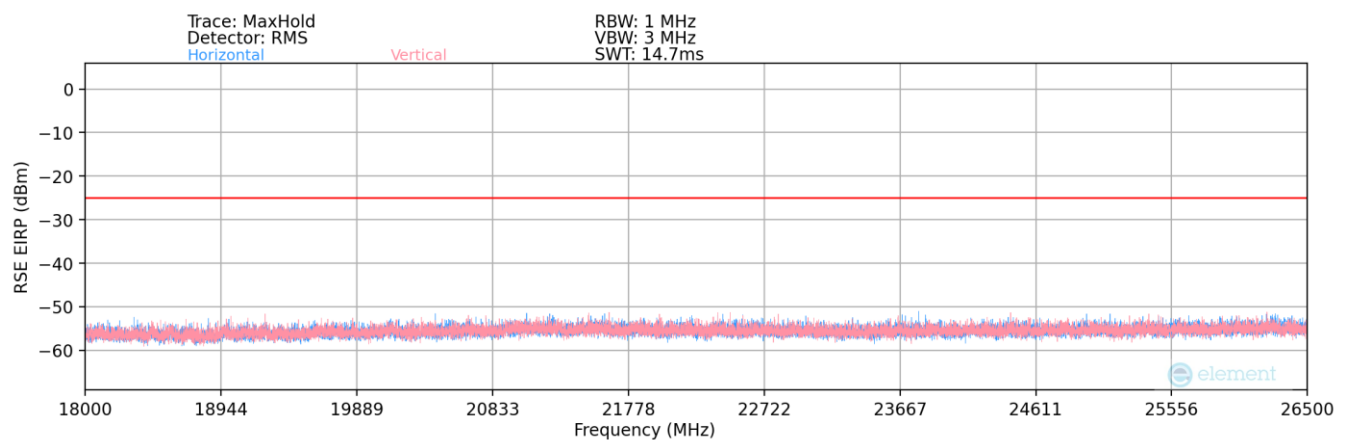
LTE Band 41(PC2)– Ant1



Plot 7-129. Radiated Spurious Plot (LTE Band 41(PC2)) – Ant1



Plot 7-130. Radiated Spurious Plot (LTE Band 41(PC2)) – Ant1



Plot 7-131. Radiated Spurious Plot (LTE Band 41(PC2)) – Ant1

FCC ID: A3LSMF776B	PART 27 MEASUREMENT REPORT	Test Dates: 3/11/2026 - 5/6/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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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]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
103.23	H	-	-	-96.35	18.08	28.73	-68.68	-25.00	-43.68

Table 7-33. Radiated Spurious Data (LTE Band 41(PC2)) – Ant1

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	H	313	182	-65.35	2.68	44.33	-50.93	-25.00	-25.93
7518.00	H	218	157	-75.68	8.91	40.23	-55.03	-25.00	-30.03
10024.00	H	-	-	-78.28	10.78	39.50	-55.76	-25.00	-30.76
12530.00	H	264	300	-76.89	12.52	42.63	-52.62	-25.00	-27.62
15036.00	H	-	-	-80.17	13.48	40.31	-54.95	-25.00	-29.95
17542.00	H	-	-	-79.45	15.92	43.47	-51.79	-25.00	-26.79
20048.00	H	-	-	-86.42	2.85	23.43	-81.37	-25.00	-56.37

Table 7-34. Radiated Spurious Data (LTE Band 41(PC2) – Low Channel) – Ant1

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	H	327	252	-68.20	3.17	41.97	-53.29	-25.00	-28.29
5247.00	V	320	345	-72.32	2.90	37.58	-57.68	-25.00	-32.68
7779.00	H	280	297	-75.16	8.22	40.06	-55.20	-25.00	-30.20
10372.00	H	-	-	-79.19	11.40	39.21	-56.05	-25.00	-31.05
12965.00	H	-	-	-80.04	13.71	40.67	-54.58	-25.00	-29.58
15558.00	H	-	-	-79.13	12.78	40.65	-64.15	-25.00	-39.15

Table 7-35. Radiated Spurious Data (LTE Band 41(PC2) – Mid Channel) – Ant1

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	H	138	312	-76.46	3.15	33.69	-61.57	-25.00	-36.57
8040.00	H	254	25	-75.22	8.87	40.65	-54.60	-25.00	-29.60
10720.00	H	-	-	-79.31	12.02	39.71	-55.55	-25.00	-30.55
13400.00	H	-	-	-79.72	14.44	41.72	-53.53	-25.00	-28.53
16080.00	H	-	-	-79.74	13.77	41.03	-54.23	-25.00	-29.23

Table 7-36. Radiated Spurious Data (LTE Band 41(PC2) – High Channel) – Ant1

FCC ID: A3LSMF776B	PART 27 MEASUREMENT REPORT	Test Dates: 3/11/2026 - 5/6/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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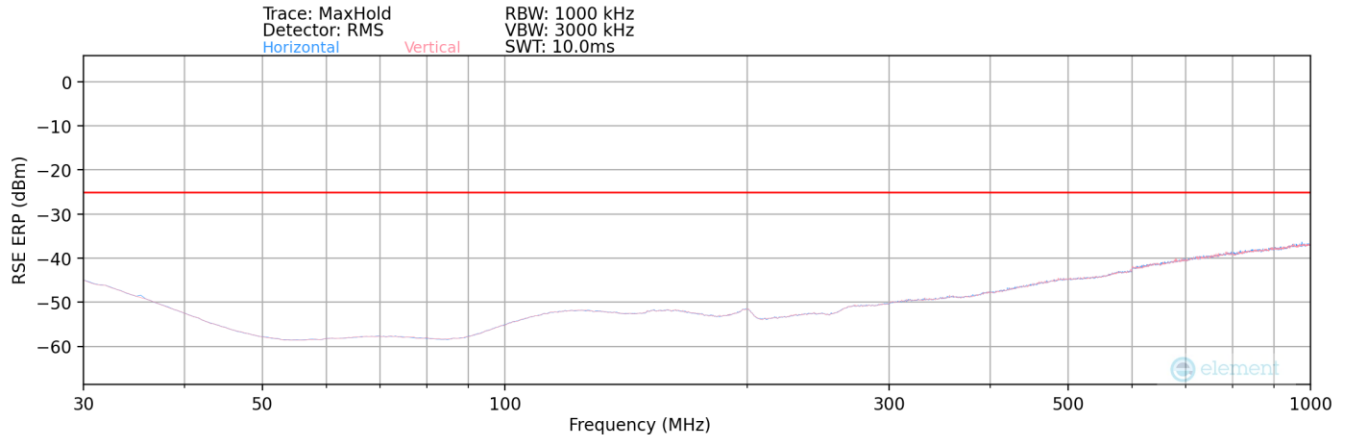
Bandwidth (MHz):	20
Frequency (MHz):	2506.00
RB / Offset:	1 / 50

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	306	6	-75.22	2.68	34.46	-60.80	-25.00	-35.80
7518.00	V	-	-	-77.90	8.91	38.01	-57.25	-25.00	-32.25
10024.00	V	-	-	-78.80	10.78	38.98	-56.28	-25.00	-31.28
12530.00	V	390	282	-79.00	12.52	40.52	-54.73	-25.00	-29.73
15036.00	V	-	-	-79.87	13.48	40.61	-54.65	-25.00	-29.65
17542.00	V	-	-	-79.96	15.92	42.96	-61.84	-25.00	-36.84
20048.00	V	-	-	-86.56	2.85	23.30	-81.50	-25.00	-56.50

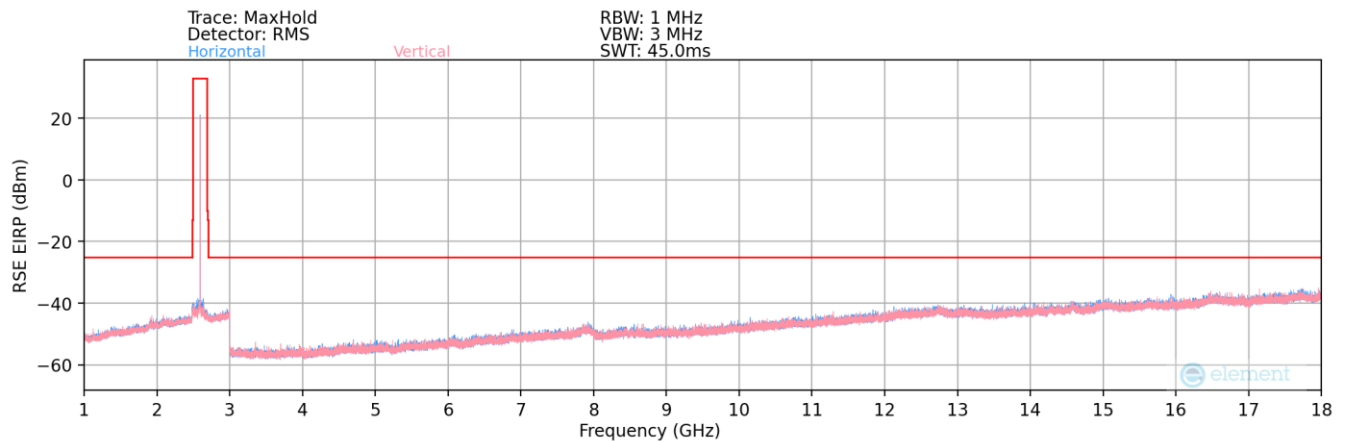
Table 7-37. Radiated Spurious Data (LTE Band 41(PC2)) – Ant1 with WCP

FCC ID: A3LSMF776B	PART 27 MEASUREMENT REPORT	Test Dates: 3/11/2026 - 5/6/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2603110020-08-R1.A3L		This report is Blockchain Verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the Blockchain logo.		Page 123 of 136

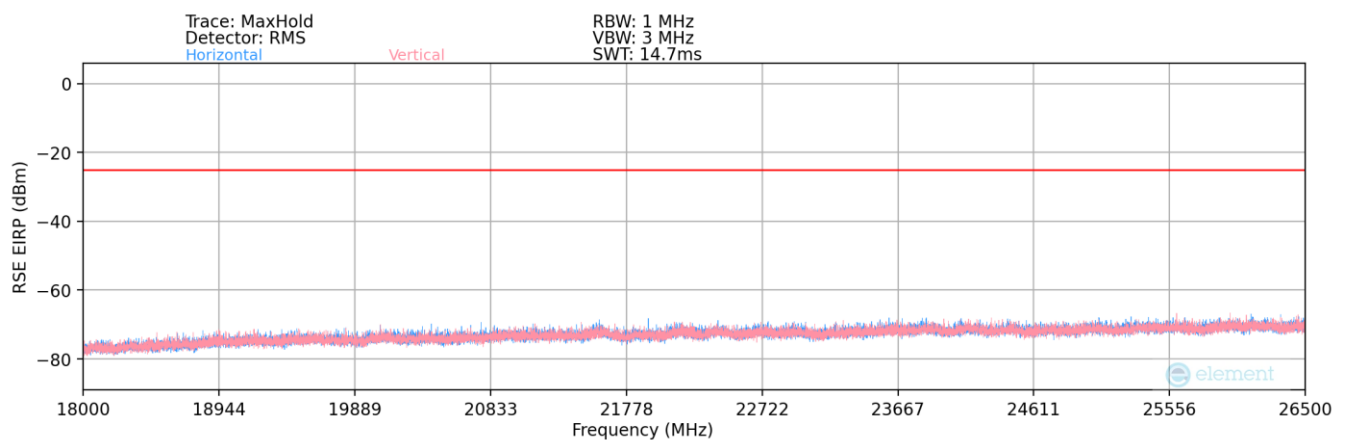
NR Band n41(PC2) – Default – Ant1



Plot 7-132. Radiated Spurious Plot (NR Band n41(PC2) – Default – Ant1)



Plot 7-133. Radiated Spurious Plot (NR Band n41(PC2) – Default – Ant1)



Plot 7-134. Radiated Spurious Plot NR Band n41(PC2) – Default – Ant1

FCC ID: A3LSMF776B	PART 27 MEASUREMENT REPORT	Test Dates: 3/11/2026 - 5/6/2026	EUT Type: Portable Handset	Approved by: Technical Manager
Test Report S/N: 1M2603110020-08-R1.A3L	 This report is Blockchain Verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the Blockchain logo.			Page 124 of 136

Bandwidth (MHz):	100
Frequency (MHz):	2592.99
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
200.72	V	-	-	-95.06	19.89	31.83	-65.58	-25.00	-40.58

Table 7-38. Radiated Spurious Data (NR Band n41(PC2) – Default – Ant1

Bandwidth (MHz):	100
Frequency (MHz):	2546.01
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5092.02	V	-	-	-75.46	3.20	34.74	-60.52	-25.00	-35.52
7638.03	V	-	-	-77.61	8.96	38.35	-56.90	-25.00	-31.90
10184.04	V	-	-	-78.98	11.60	39.62	-55.64	-25.00	-30.64

Table 7-39. Radiated Spurious Data (NR Band n41(PC2) – Low Channel) – Default – Ant1

Bandwidth (MHz):	100
Frequency (MHz):	2592.99
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5185.98	V	-	-	-71.95	3.17	38.22	-57.03	-25.00	-32.03
7778.97	V	-	-	-77.66	8.22	37.56	-57.70	-25.00	-32.70
10371.96	V	-	-	-79.04	11.39	39.36	-55.90	-25.00	-30.90

Table 7-40. Radiated Spurious Data (NR Band n41(PC2) – Mid Channel) – Default – Ant1

Bandwidth (MHz):	100
Frequency (MHz):	2640.00
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5280.00	V	-	-	-77.24	3.04	32.80	-62.45	-25.00	-37.45
7920.00	V	-	-	-78.19	8.87	37.68	-57.58	-25.00	-32.58
10560.00	V	-	-	-79.28	11.95	39.67	-55.59	-25.00	-30.59

Table 7-41. Radiated Spurious Data (NR Band n41(PC2) – High Channel) – Default – Ant1

FCC ID: A3LSMF776B	PART 27 MEASUREMENT REPORT	Test Dates: 3/11/2026 - 5/6/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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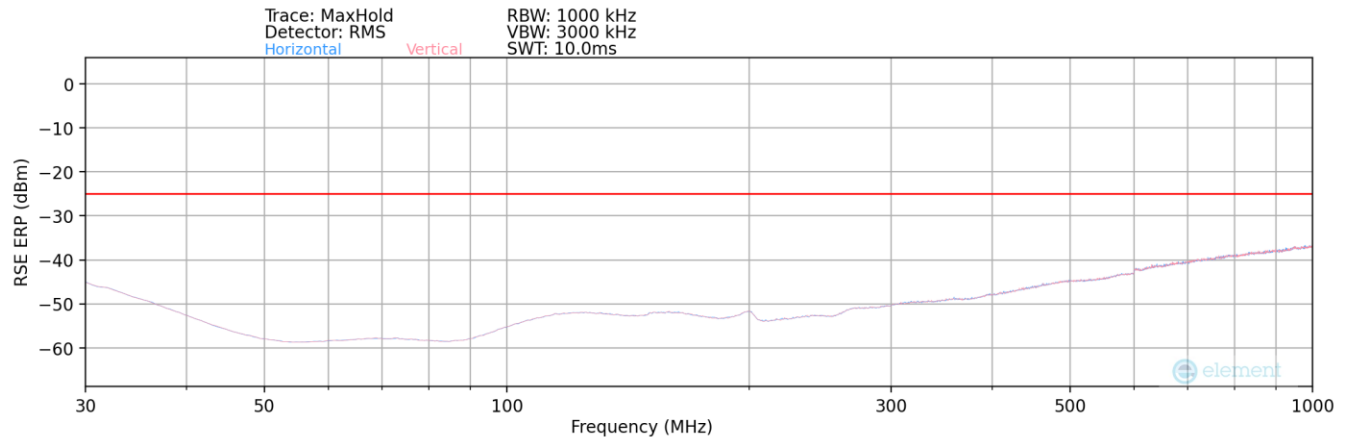
Bandwidth (MHz):	100
Frequency (MHz):	2640.00
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5280.00	H	-	-	-73.78	2.93	36.15	-59.11	-25.00	-34.11
7920.00	H	-	-	-78.18	8.87	37.69	-57.56	-25.00	-32.56
10560.00	H	-	-	-79.38	11.95	39.56	-55.69	-25.00	-30.69

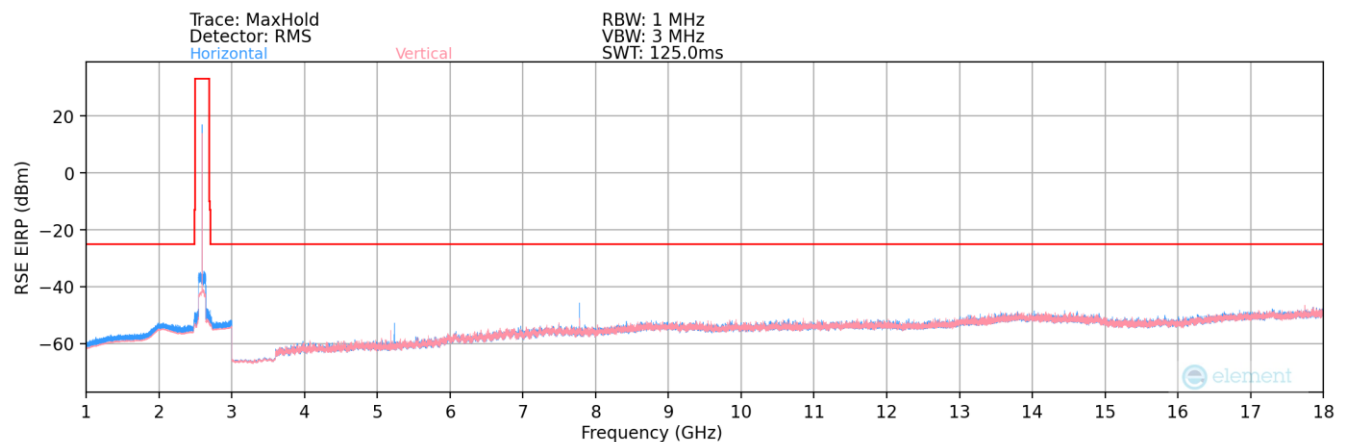
Table 7-42. Radiated Spurious Data (NR Band n41(PC2) – Default – Ant1 with WCP

FCC ID: A3LSMF776B	PART 27 MEASUREMENT REPORT	Test Dates: 3/11/2026 - 5/6/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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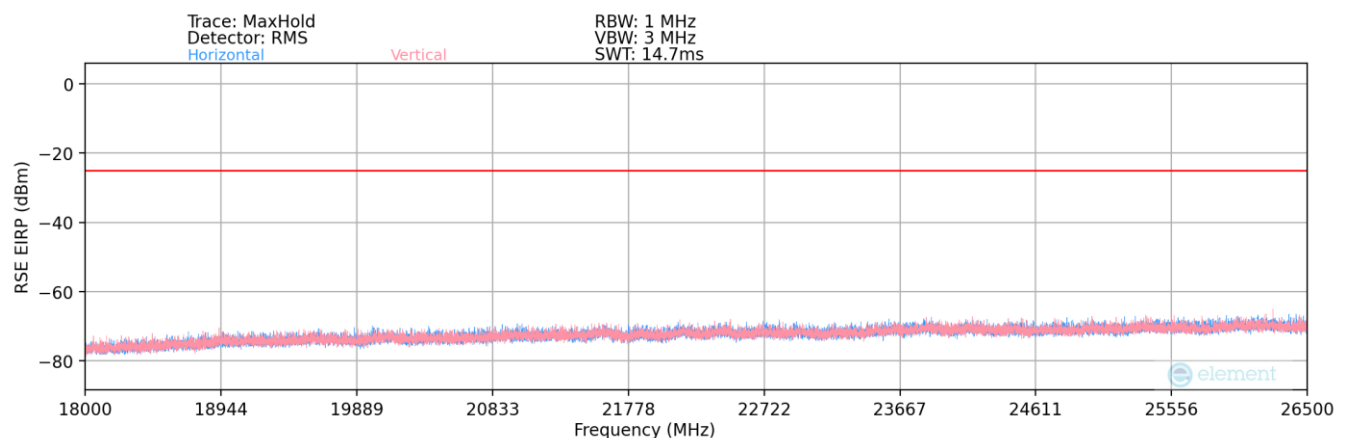
NR Band n41(PC2) – Tx Hopping – Ant1



Plot 7-135. Radiated Spurious Plot (NR Band n41(PC2) – Tx Hopping – Ant1)



Plot 7-136. Radiated Spurious Plot (NR Band n41(PC2) – Tx Hopping – Ant1)



Plot 7-137. Radiated Spurious Plot NR Band n41(PC2) – Tx Hopping – Ant1

FCC ID: A3LSMF776B	PART 27 MEASUREMENT REPORT	Test Dates: 3/11/2026 - 5/6/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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Bandwidth (MHz):	100
Frequency (MHz):	2592.99
RB / Offset:	1/136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
601.82	H	-	-	-94.16	26.89	39.73	-57.68	-25.00	-32.68

Table 7-43. Radiated Spurious Data (NR Band n41(PC2) – Tx Hopping – Ant1

Bandwidth (MHz):	100
Frequency (MHz):	2546.01
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5092.02	H	231	183	-72.92	2.87	36.95	-58.31	-25.00	-33.31
7638.03	H	382	150	-71.00	8.96	44.96	-50.29	-25.00	-25.29
10184.04	H	-	-	-77.18	11.60	41.42	-53.84	-25.00	-28.84
12730.05	H	-	-	-77.53	13.05	42.52	-52.74	-25.00	-27.74
15276.06	H	-	-	-77.27	13.60	43.33	-51.93	-25.00	-26.93

Table 7-44. Radiated Spurious Data (NR Band n41(PC2) – Low Channel) – Tx Hopping – Ant1

Bandwidth (MHz):	100
Frequency (MHz):	2592.99
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5185.98	V	146	127	-71.71	3.17	38.46	-56.80	-25.00	-31.80
5234.70	H	205	243	-70.08	3.03	39.95	-55.30	-25.00	-30.30
7778.97	H	229	147	-68.17	8.22	47.05	-48.21	-25.00	-23.21
10371.96	H	-	-	-76.91	11.39	41.48	-53.77	-25.00	-28.77
12964.95	H	-	-	-77.60	13.71	43.11	-52.14	-25.00	-27.14
15557.94	H	-	-	-76.82	12.78	42.96	-52.30	-25.00	-27.30

Table 7-45. Radiated Spurious Data (NR Band n41(PC2) – Mid Channel) – Tx Hopping – Ant1

Bandwidth (MHz):	100
Frequency (MHz):	2640.00
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5280.00	H	330	297	-73.41	2.95	36.54	-58.72	-25.00	-33.72
7920.00	H	215	130	-71.39	8.87	44.48	-50.78	-25.00	-25.78
10560.00	H	-	-	-77.37	11.95	41.58	-53.68	-25.00	-28.68
13200.00	H	-	-	-77.79	14.28	43.49	-51.77	-25.00	-26.77
15840.00	H	-	-	-77.19	14.10	43.91	-51.35	-25.00	-26.35

Table 7-46. Radiated Spurious Data (NR Band n41(PC2) – High Channel) – Tx Hopping – Ant1

FCC ID: A3LSMF776B	PART 27 MEASUREMENT REPORT	Test Dates: 3/11/2026 - 5/6/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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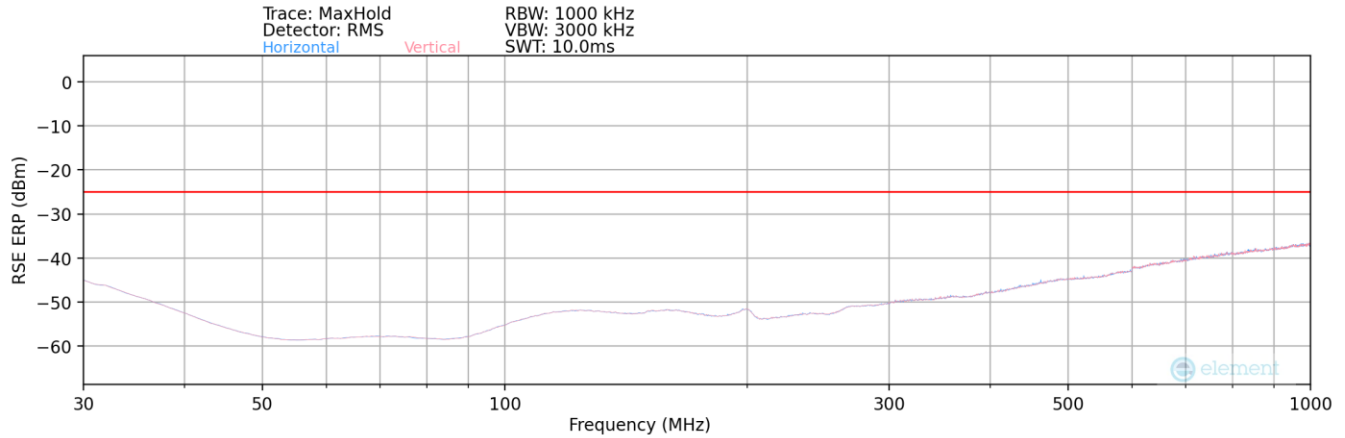
Bandwidth (MHz):	100
Frequency (MHz):	2592.99
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5185.98	V	372	192	-73.67	2.90	36.23	-59.03	-13.00	-46.03
7778.97	V	152	39	-71.57	8.22	43.65	-51.60	-13.00	-38.60
10371.96	V	-	-	-78.61	11.39	39.78	-55.47	-13.00	-42.47
12964.95	V	-	-	-80.10	13.71	40.62	-54.64	-13.00	-41.64
15557.94	V	-	-	-79.56	12.78	40.23	-55.03	-13.00	-42.03

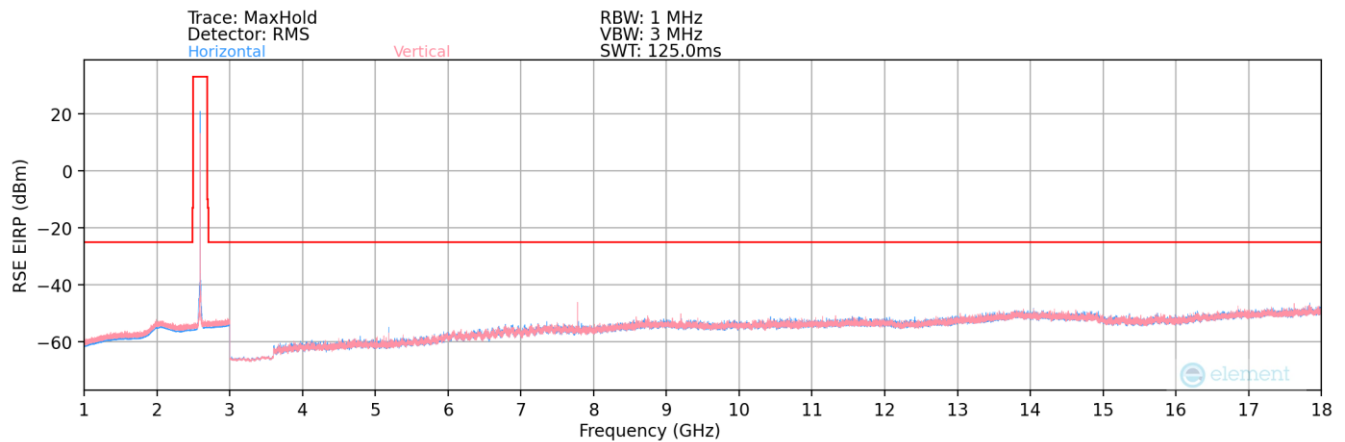
Table 7-47. Radiated Spurious Data (NR Band n41(PC2) – Tx Hopping – Ant1 with WCP

FCC ID: A3LSMF776B	PART 27 MEASUREMENT REPORT	Test Dates: 3/11/2026 - 5/6/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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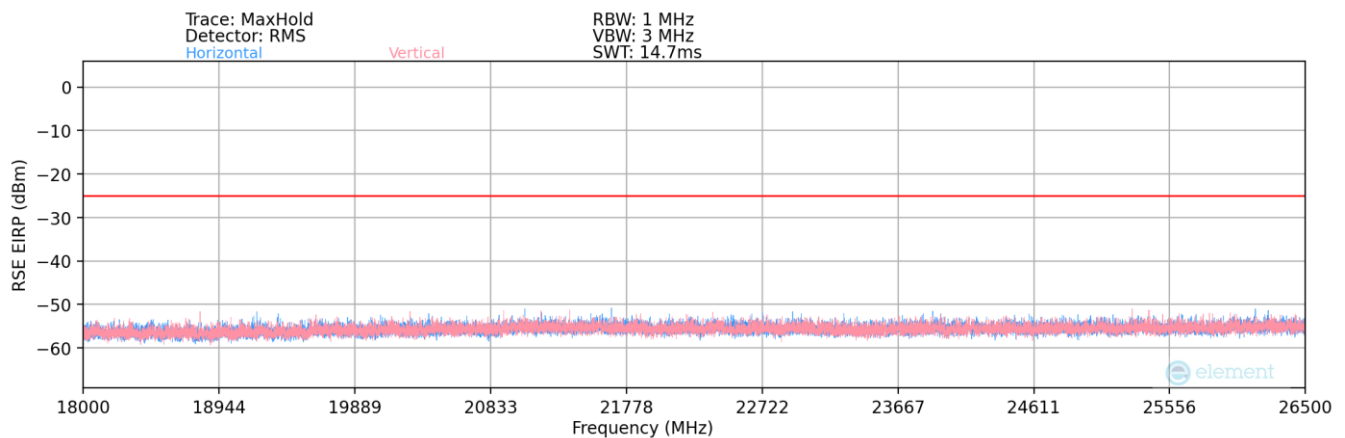
LTE Band 41(PC2)– Ant2



Plot 7-138. Radiated Spurious Plot (LTE Band 41(PC2)) – Ant2



Plot 7-139. Radiated Spurious Plot (LTE Band 41(PC2)) – Ant2



Plot 7-140. Radiated Spurious Plot (LTE Band 41(PC2)) – Ant2

FCC ID: A3LSMF776B	PART 27 MEASUREMENT REPORT	Test Dates: 3/11/2026 - 5/6/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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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]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
197.32	H	-	-	-94.14	19.85	32.71	-64.70	-25.00	-39.70

Table 7-48. Radiated Spurious Data (LTE Band 41(PC2)) – Ant2

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	H	135	313	-71.52	2.67	38.15	-57.10	-25.00	-32.10
7518.00	V	392	138	-71.16	8.91	44.75	-50.51	-25.00	-25.51
10024.00	H	-	-	-78.01	10.78	39.77	-55.49	-25.00	-30.49
12530.00	H	-	-	-79.23	12.52	40.29	-54.97	-25.00	-29.97
15036.00	H	-	-	-79.39	13.48	41.09	-54.17	-25.00	-29.17

Table 7-49. Radiated Spurious Data (LTE Band 41(PC2) – Low Channel) – Ant2

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	H	129	326	-70.41	3.18	39.77	-55.49	-25.00	-30.49
7779.00	V	266	136	-64.47	8.22	50.75	-44.51	-25.00	-19.51
10372.00	H	-	-	-79.54	11.40	38.86	-56.40	-25.00	-31.40
12965.00	H	-	-	-80.22	13.71	40.49	-54.76	-25.00	-29.76
15558.00	H	-	-	-79.45	12.78	40.33	-54.93	-25.00	-29.93

Table 7-50. Radiated Spurious Data (LTE Band 41(PC2) – Mid Channel) – Ant2

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	H	141	31	-71.13	3.15	39.02	-56.23	-25.00	-31.23
8040.00	V	226	61	-68.94	8.87	46.93	-48.32	-25.00	-23.32
10720.00	H	-	-	-79.15	12.02	39.87	-55.39	-25.00	-30.39
13400.00	H	-	-	-79.07	14.44	42.37	-52.88	-25.00	-27.88
16080.00	H	-	-	-79.37	13.77	41.40	-53.86	-25.00	-28.86

Table 7-51. Radiated Spurious Data (LTE Band 41(PC2) – High Channel) – Ant2

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Bandwidth (MHz):	20
Frequency (MHz):	2593.00
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	H	321	355	-73.23	3.17	36.94	-58.32	-25.00	-33.32
7779.00	H	348	312	-66.20	8.22	49.02	-46.24	-25.00	-21.24
10372.00	H	-	-	-78.85	11.40	39.55	-55.71	-25.00	-30.71
12965.00	H	-	-	-80.22	13.71	40.49	-54.76	-25.00	-29.76
15558.00	H	-	-	-79.43	12.78	40.35	-54.90	-25.00	-29.90

Table 7-52. Radiated Spurious Data (LTE Band 41(PC2)) – Ant2 with WCP

FCC ID: A3LSMF776B	PART 27 MEASUREMENT REPORT	Test Dates: 3/11/2026 - 5/6/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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7.8 Frequency Stability / Temperature Variation

Test Overview and Limit

Frequency stability testing is performed in accordance with the guidelines of ANSI C63.26:2015. The frequency stability of the transmitter is measured by:

- a.) **Temperature:** The temperature is varied from -30°C to +50°C in 10°C increments using an environmental chamber.
- b.) **Primary Supply Voltage:** The primary supply voltage is varied from 85% to 115% of the nominal value for non hand-carried battery and AC powered equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

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

Test Procedure Used

ANSI C63.26:2015 – Section 5.6

Test Settings

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

Test Setup

The EUT was connected via an RF cable to a spectrum analyzer with the EUT placed inside an environmental chamber.

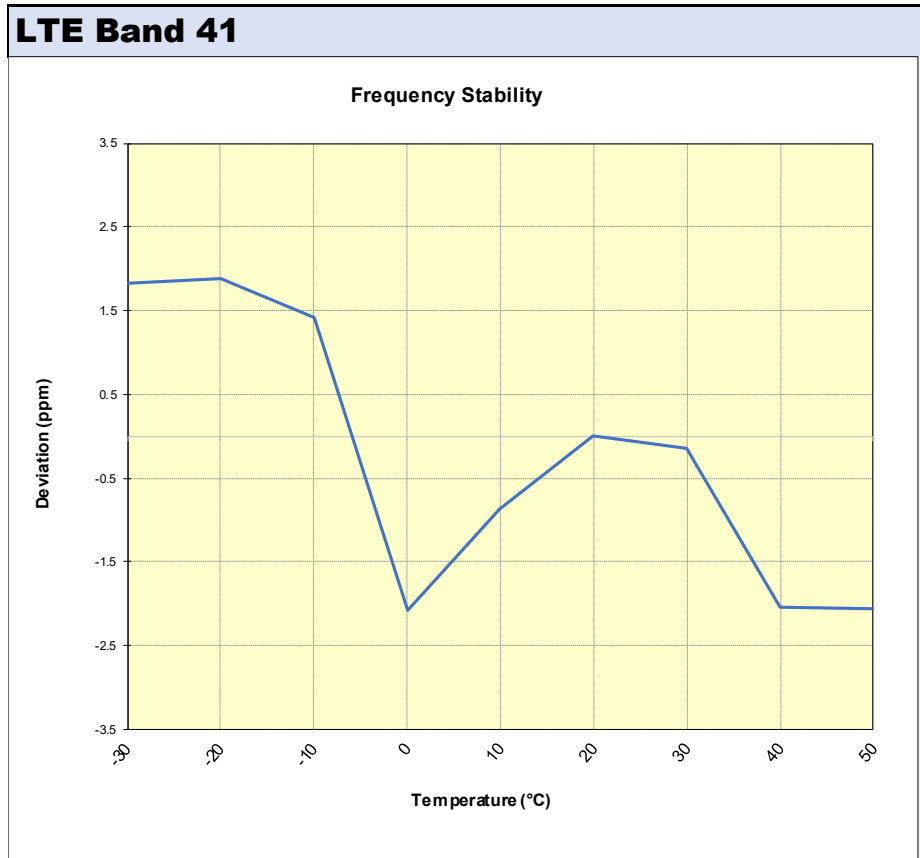
Test Notes

None

FCC ID: A3LSMF776B	PART 27 MEASUREMENT REPORT	Test Dates: 3/11/2026 - 5/6/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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LTE Band 41					
		Operating Frequency (Hz):		2,593,000,000	
		Ref. Voltage (VDC):		4.521	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.521	- 30	2,599,990,062	4,740	0.0001823
		- 20	2,599,990,230	4,908	0.0001888
		- 10	2,599,988,990	3,668	0.0001411
		0	2,599,979,900	-5,422	-0.0002085
		+ 10	2,599,983,066	-2,256	-0.0000868
		+ 20 (Ref)	2,599,985,322	0	0.0000000
		+ 30	2,599,984,939	-383	-0.0000147
		+ 40	2,599,979,992	-5,330	-0.0002050
		+ 50	2,599,979,968	-5,354	-0.0002059
Battery Endpoint	3.398	+ 20	2,599,986,044	722	0.0000278

Table 7-53. LTE Band 41 Frequency Stability Data

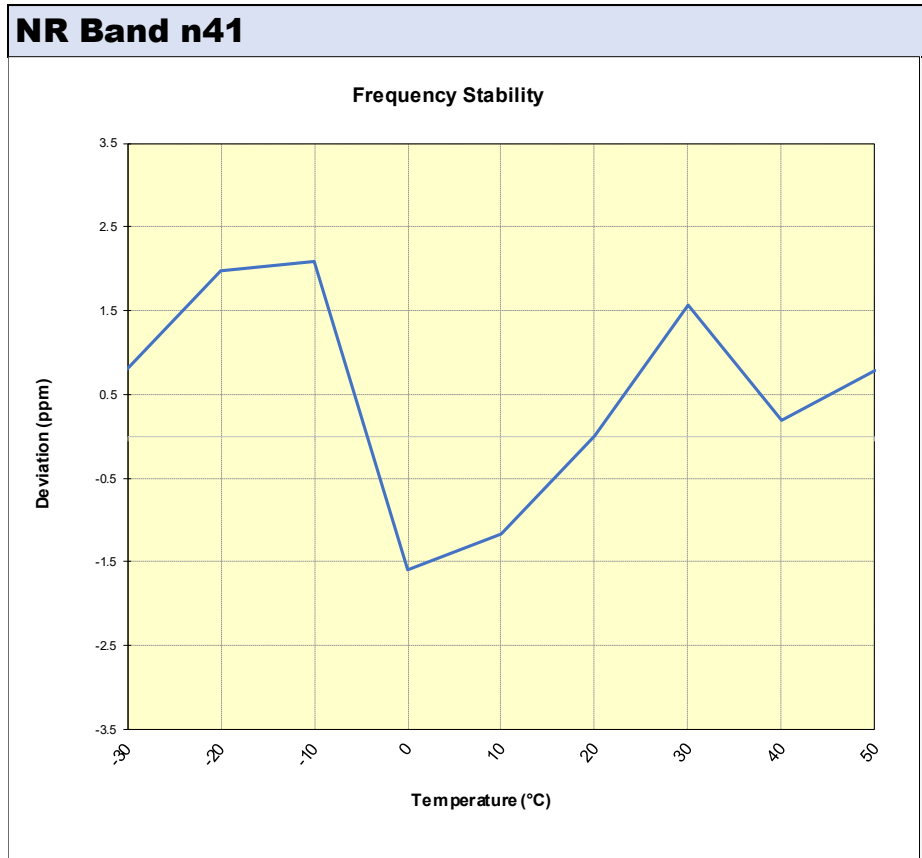


Plot 7-141. LTE Band 41 Frequency Stability Chart

FCC ID: A3LSMF776B	PART 27 MEASUREMENT REPORT	Test Dates: 3/11/2026 - 5/6/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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NR Band n41					
		Operating Frequency (Hz):		2,593,000,000	
		Ref. Voltage (VDC):		4.521	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.521	- 30	2,592,998,010	2,068	0.0000798
		- 20	2,593,001,050	5,108	0.0001970
		- 10	2,593,001,352	5,410	0.0002086
		0	2,592,991,828	-4,114	-0.0001587
		+ 10	2,592,992,898	-3,044	-0.0001174
		+ 20 (Ref)	2,592,995,942	0	0.0000000
		+ 30	2,593,000,005	4,063	0.0001567
		+ 40	2,592,996,434	492	0.0000190
		+ 50	2,592,997,960	2,018	0.0000778
Battery Endpoint	3.398	+ 20	2,592,994,931	-1,011	-0.0000390

Table 7-54. NR Band n41 Frequency Stability Data



Plot 7-142. NR Band n41 Frequency Stability Chart

FCC ID: A3LSMF776B	PART 27 MEASUREMENT REPORT	Test Dates: 3/11/2026 - 5/6/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Samsung Portable Handset FCC ID: A3LSMF776B** complies with all the requirements of Part 27 of the FCC rules.

- END OF TEST REPORT -

FCC ID: A3LSMF776B	PART 27 MEASUREMENT REPORT	Test Dates: 3/11/2026 - 5/6/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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