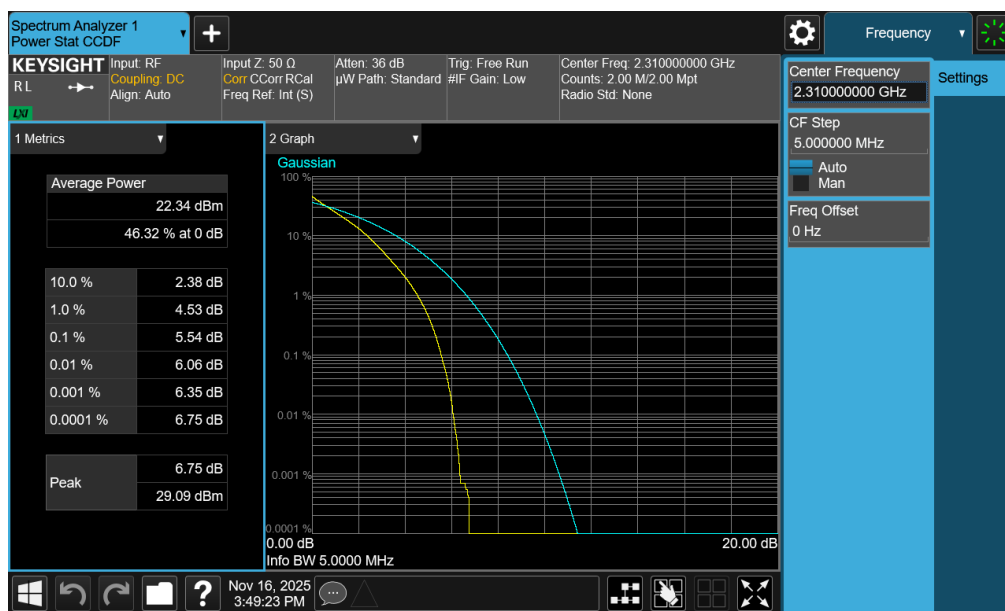
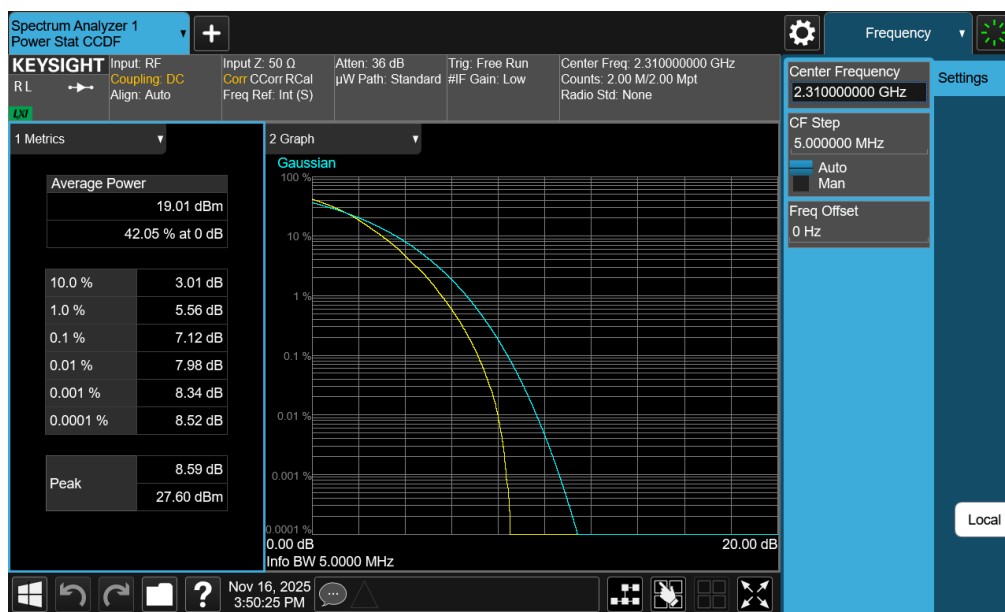




Plot 7-215. PAR Plot (LTE Band 30 - 5MHz QPSK - Full RB - Ant2)

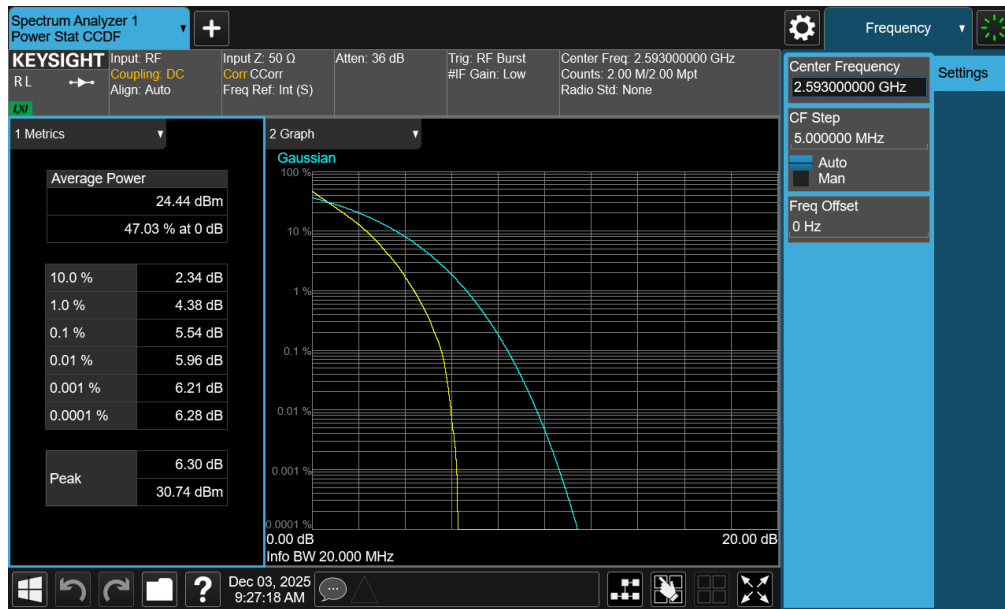


Plot 7-216. PAR Plot (LTE Band 30 - 5MHz 256-QAM - Full RB - Ant2)

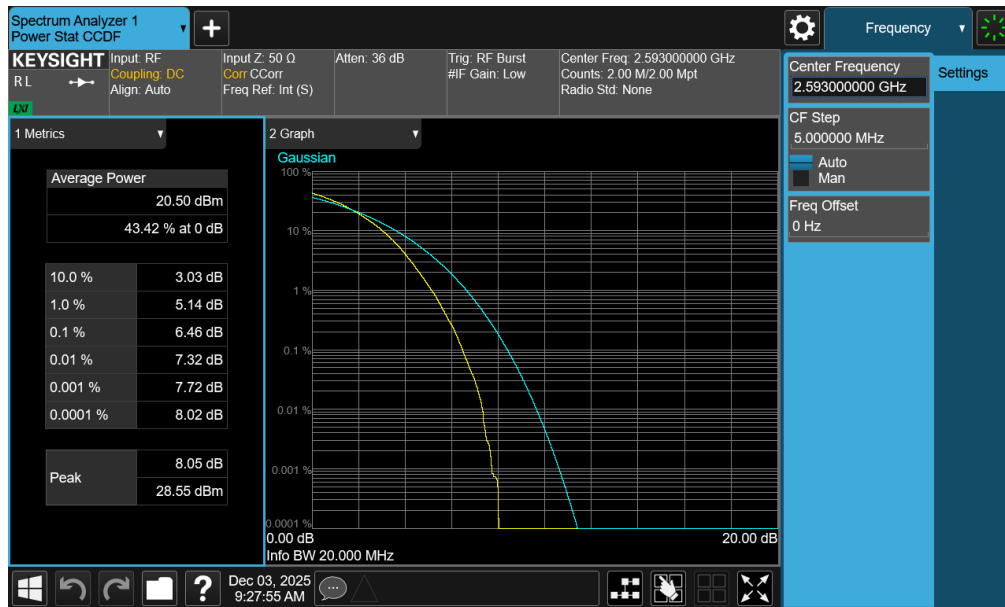
FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 41(PC3)/38 – Ant2

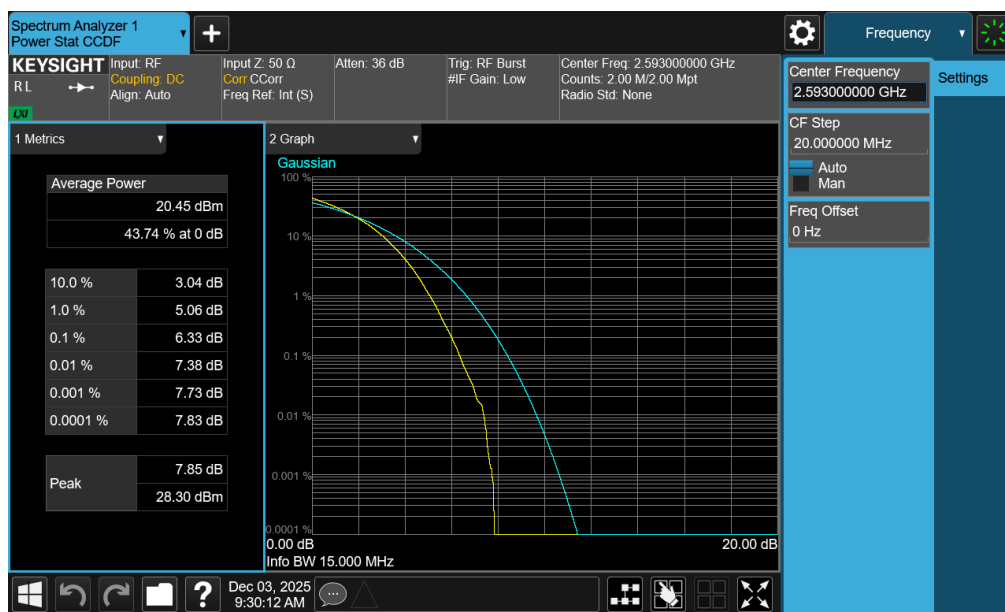
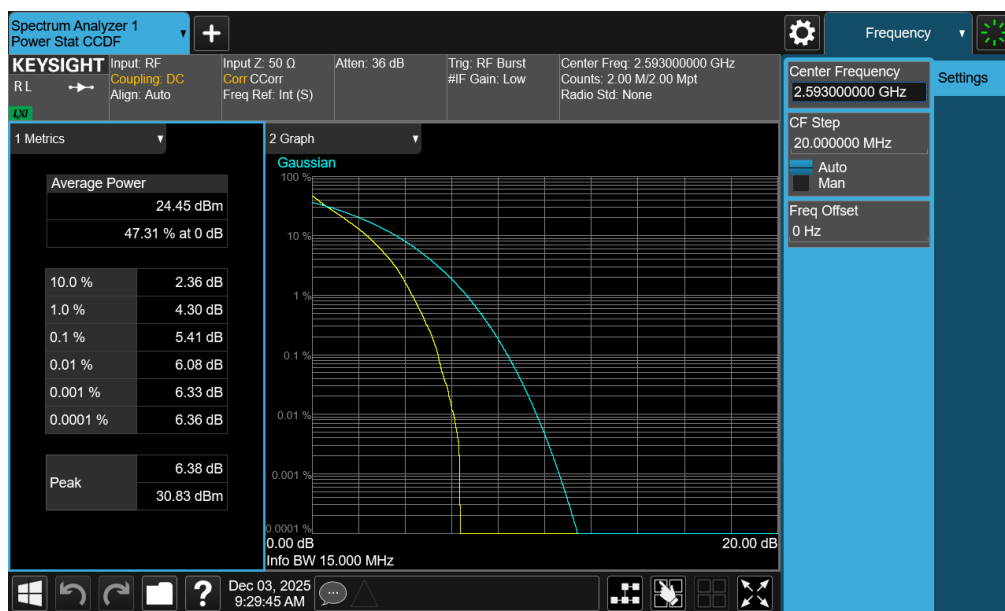


Plot 7-217. PAR Plot (LTE Band 41(PC3)/38 - 20MHz QPSK - Full RB - Ant2)

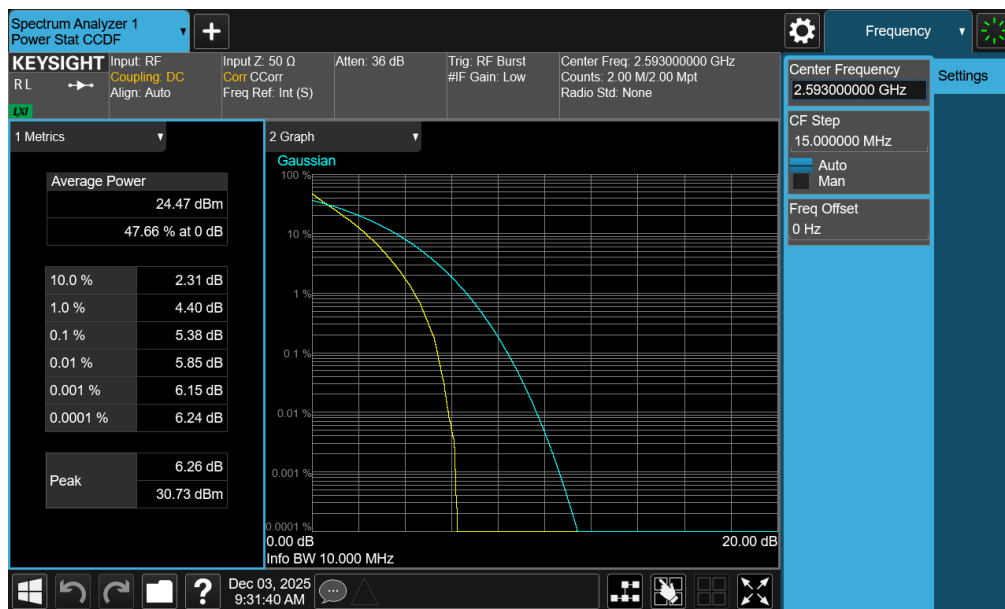


Plot 7-218. PAR Plot (LTE Band 41(PC3)/38 - 20MHz 256-QAM - Full RB - Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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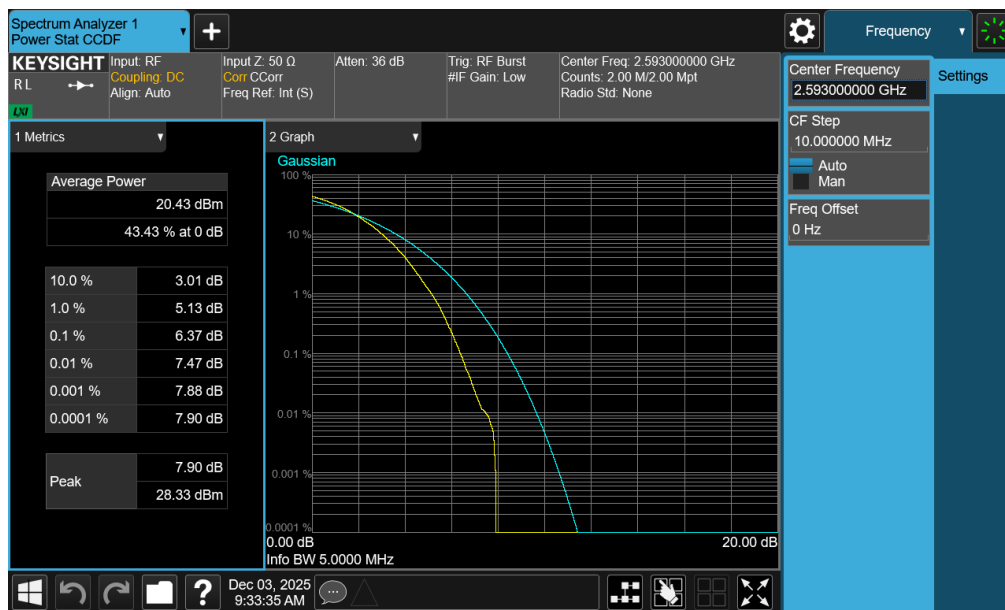


Plot 7-221. PAR Plot (LTE Band 41(PC3)/38 - 10MHz QPSK - Full RB - Ant2)



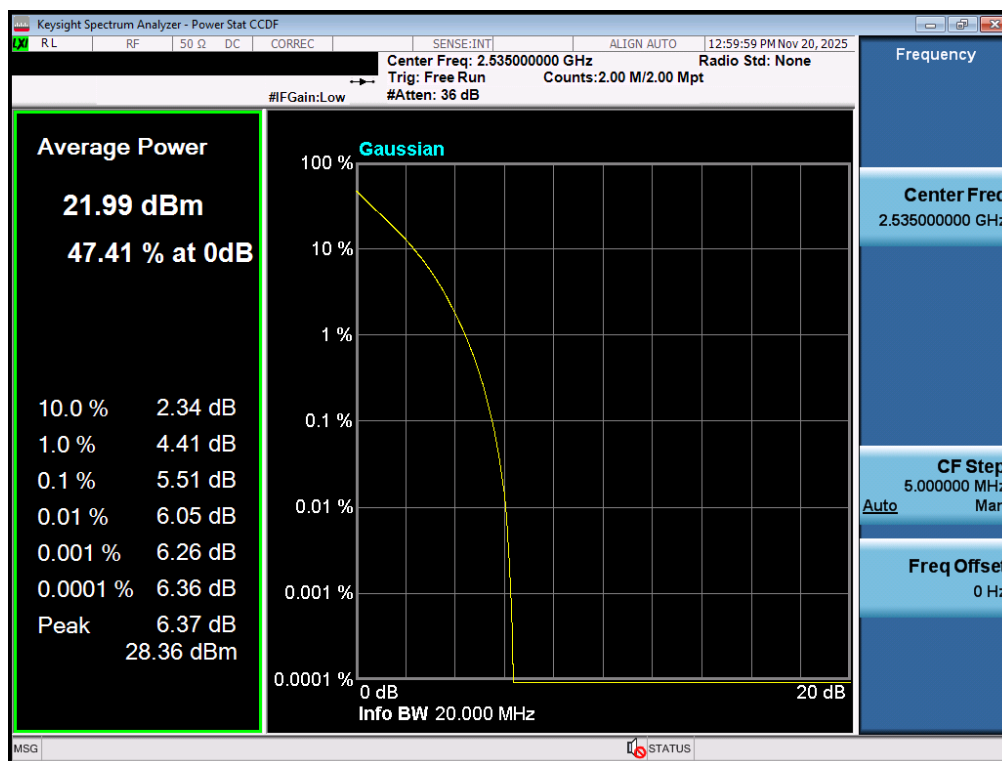
Plot 7-222. PAR Plot (LTE Band 41(PC3)/38 - 10MHz 256-QAM - Full RB - Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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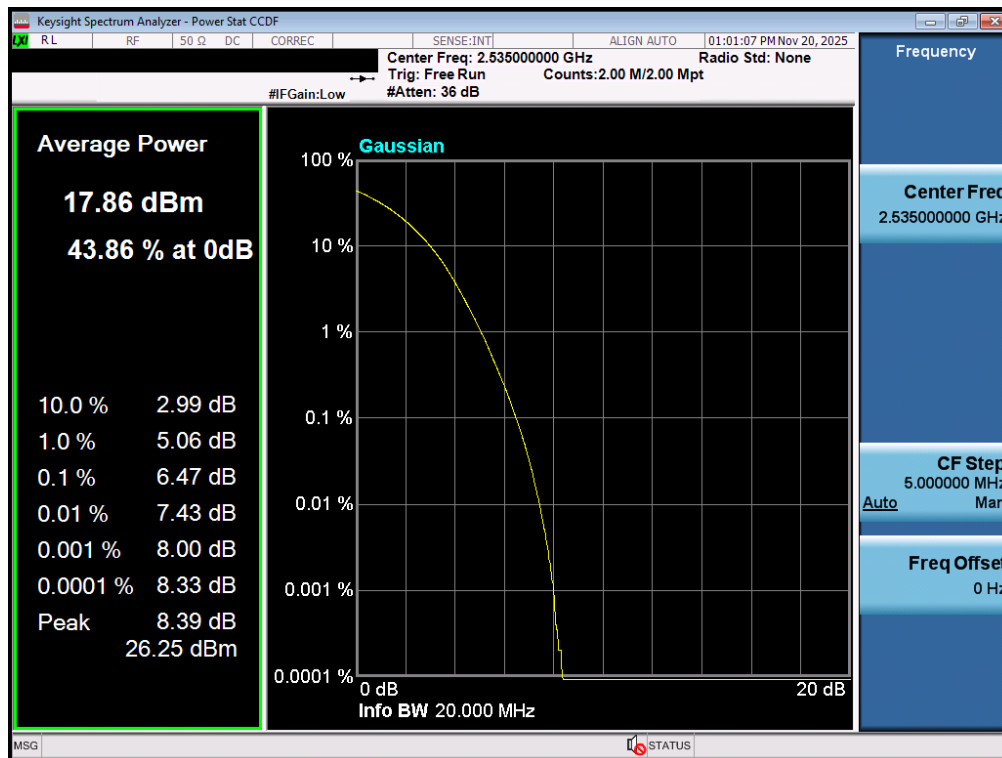


FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 7 – Ant2

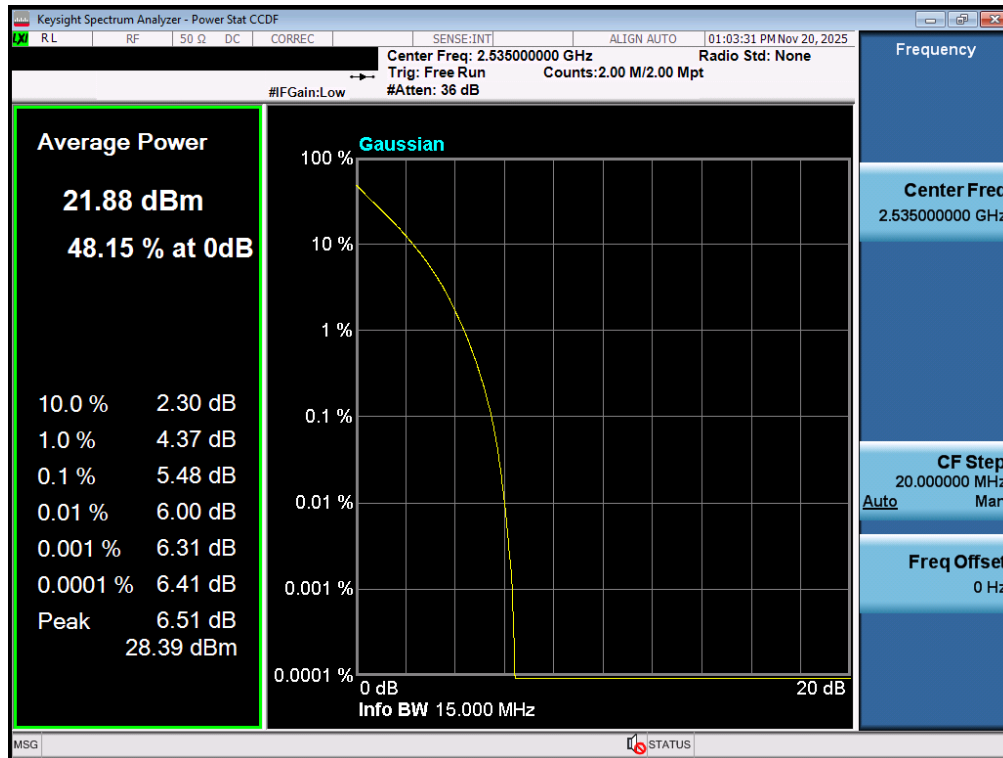


Plot 7-225. PAR Plot (LTE Band 7 - 20MHz QPSK - Full RB - Ant2)

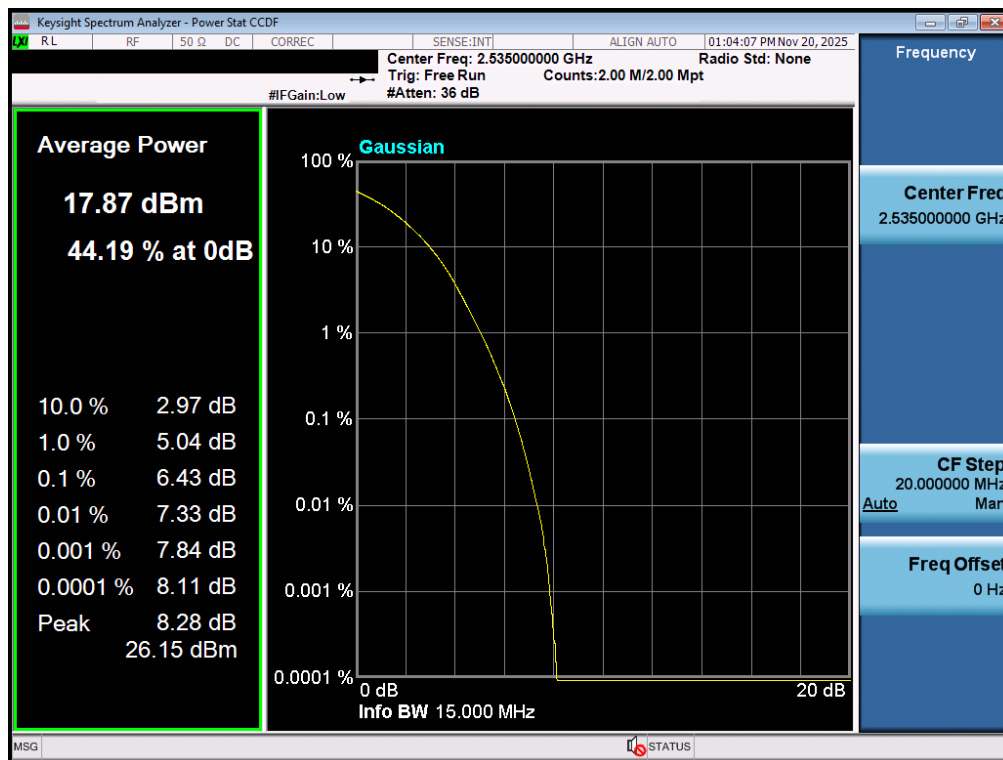


Plot 7-226. PAR Plot (LTE Band 7 - 20MHz 256-QAM - Full RB - Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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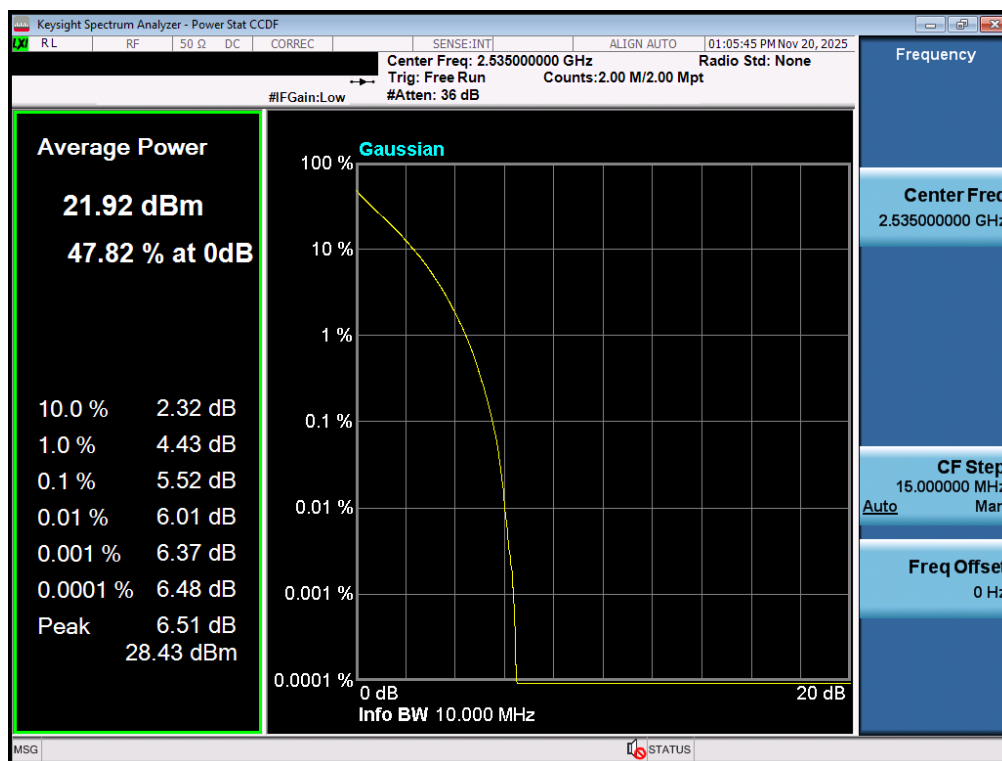


Plot 7-227. PAR Plot (LTE Band 7 - 15MHz QPSK - Full RB - Ant2)

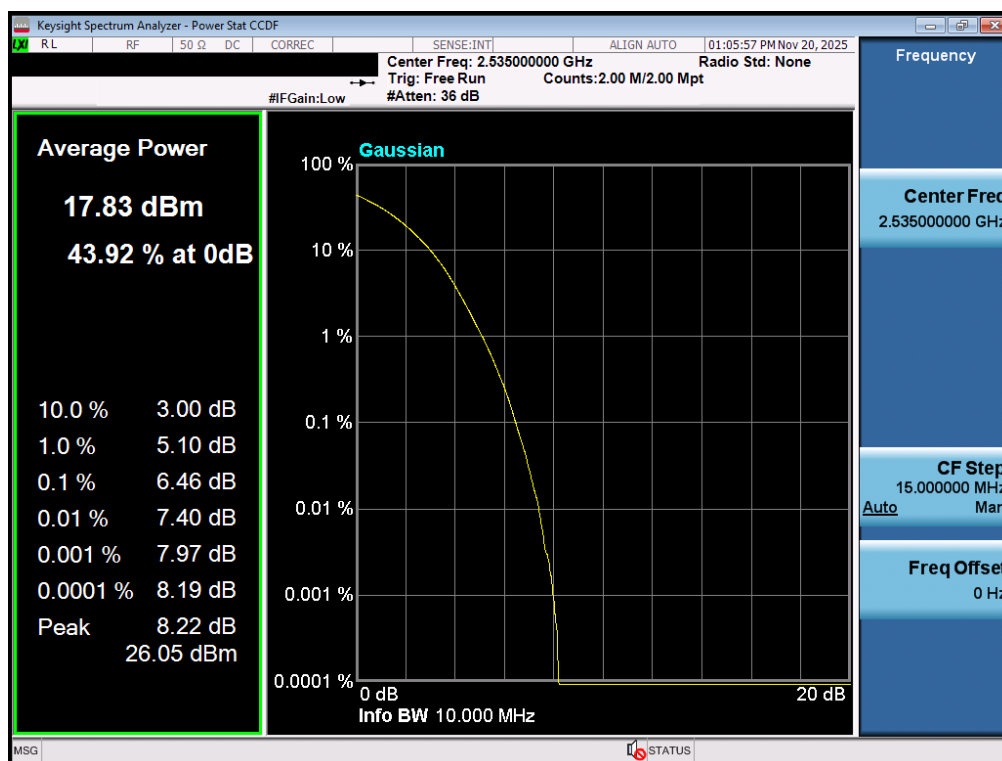


Plot 7-228. PAR Plot (LTE Band 7 - 15MHz 256-QAM - Full RB - Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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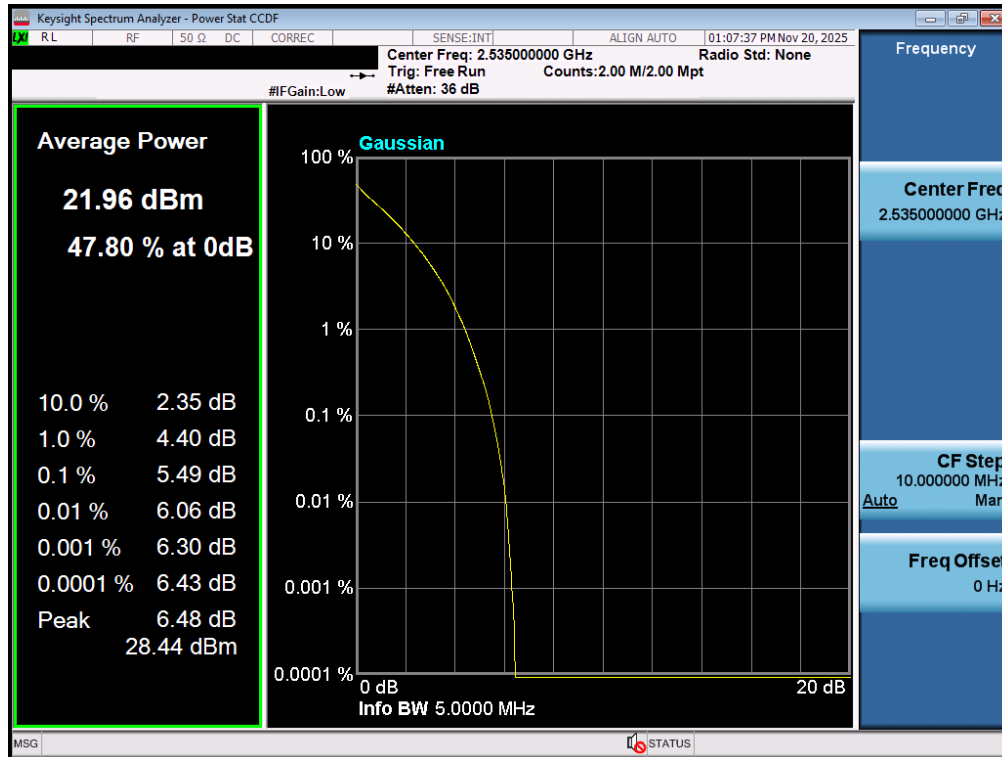


Plot 7-229. PAR Plot (LTE Band 7 - 10MHz QPSK - Full RB - Ant2)

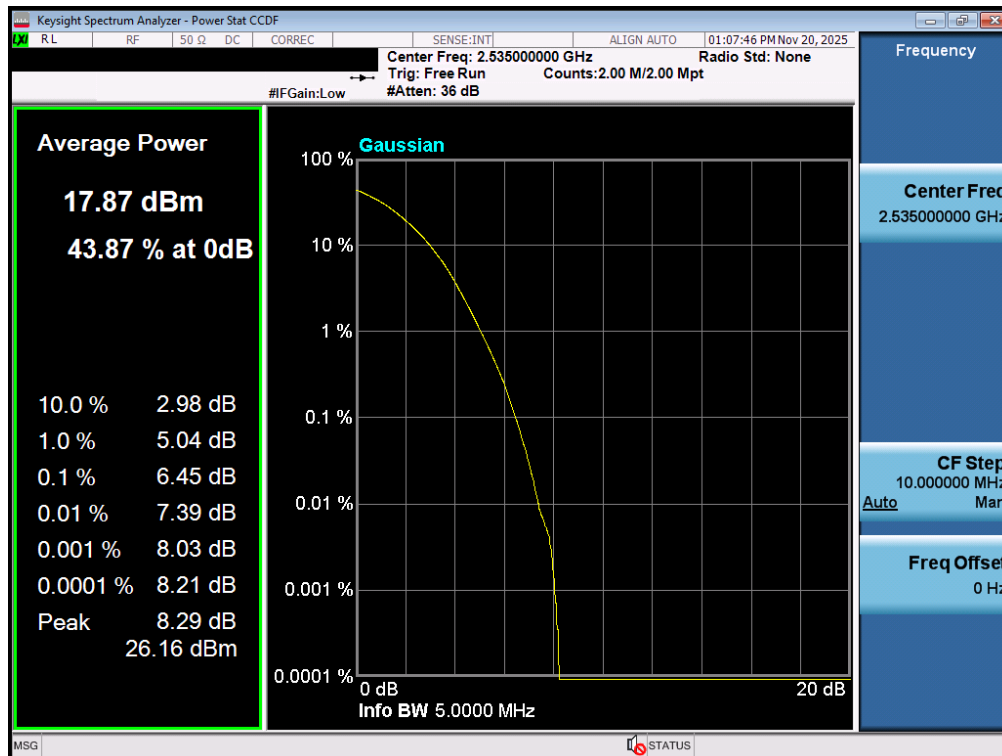


Plot 7-230. PAR Plot (LTE Band 7 - 10MHz 256-QAM - Full RB - Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-231. PAR Plot (LTE Band 7 - 5MHz QPSK - Full RB - Ant2)

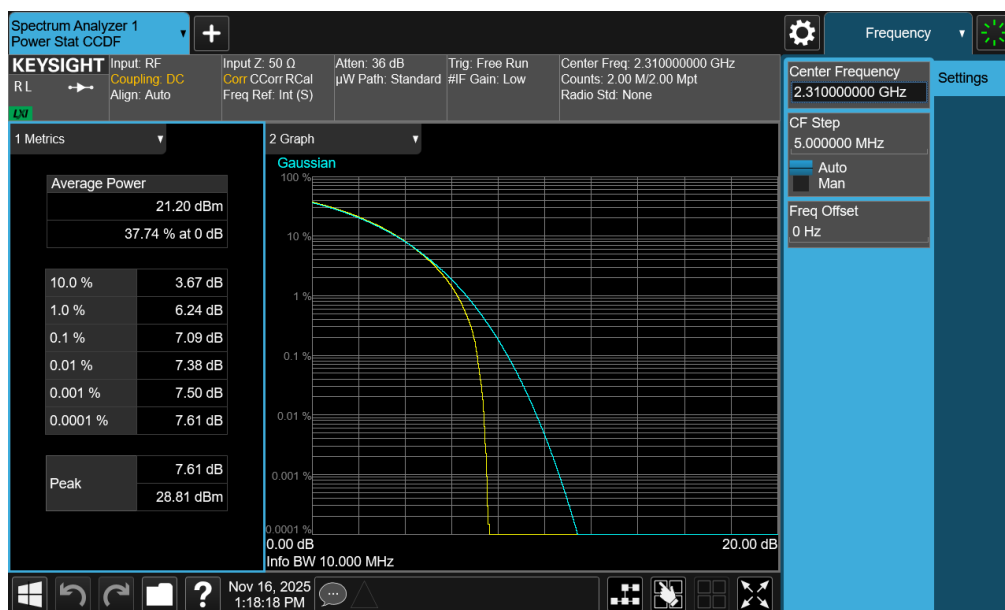
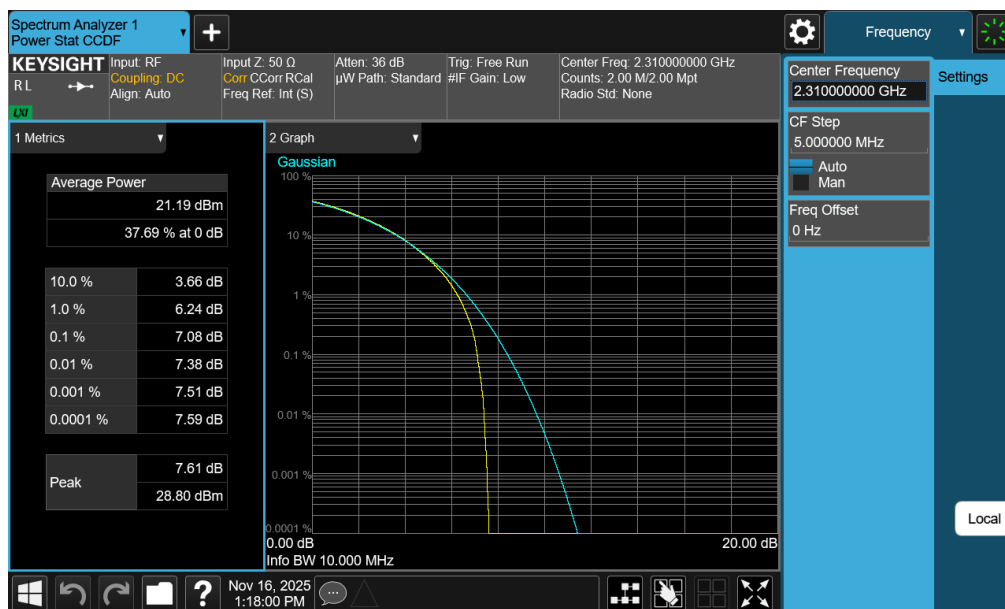


Plot 7-232. PAR Plot (LTE Band 7 - 5MHz 256-QAM - Full RB - Ant2)

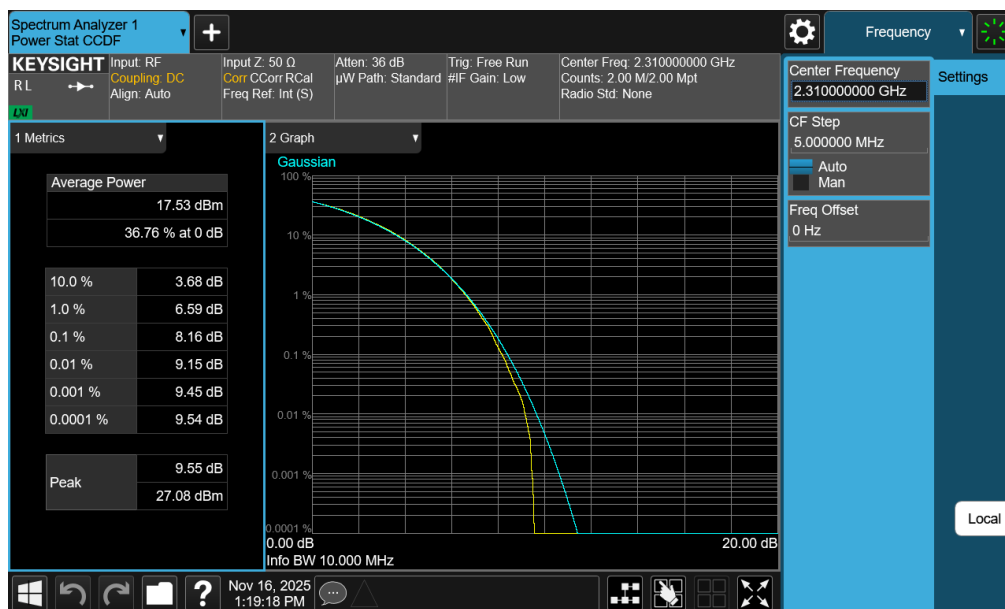
FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset	Page 166 of 204

Mode	Bandwidth	Modulation	Average Power	PAR at 0.1%	PAR Limit [dB]	Margin [dB]
NR-n30	10MHz	$\pi/2$ BPSK	21.19	7.08	13	-5.92
		QPSK	21.20	7.09	13	-5.91
		256QAM	17.53	8.16	13	-4.84
	5MHz	$\pi/2$ BPSK	21.29	7.07	13	-5.93
		QPSK	22.23	4.54	13	-8.46
		256QAM	17.65	7.97	13	-5.03

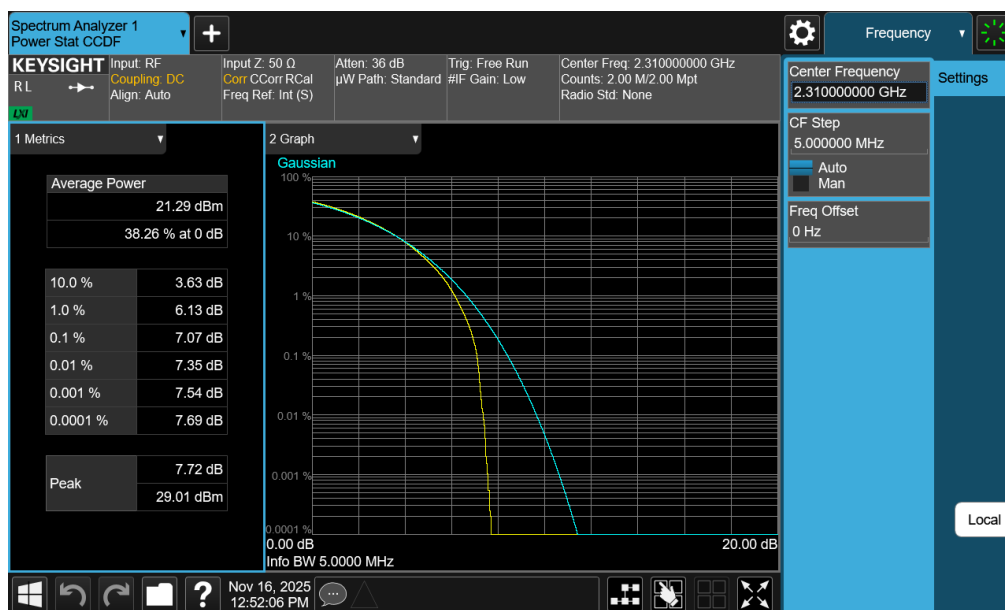
Table 7-24. Peak-Average Ratio Results – NR – Ant 2



FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-235. PAR Plot (NR Band n30– 10MHz 256-QAM – Full RB – Ant2)

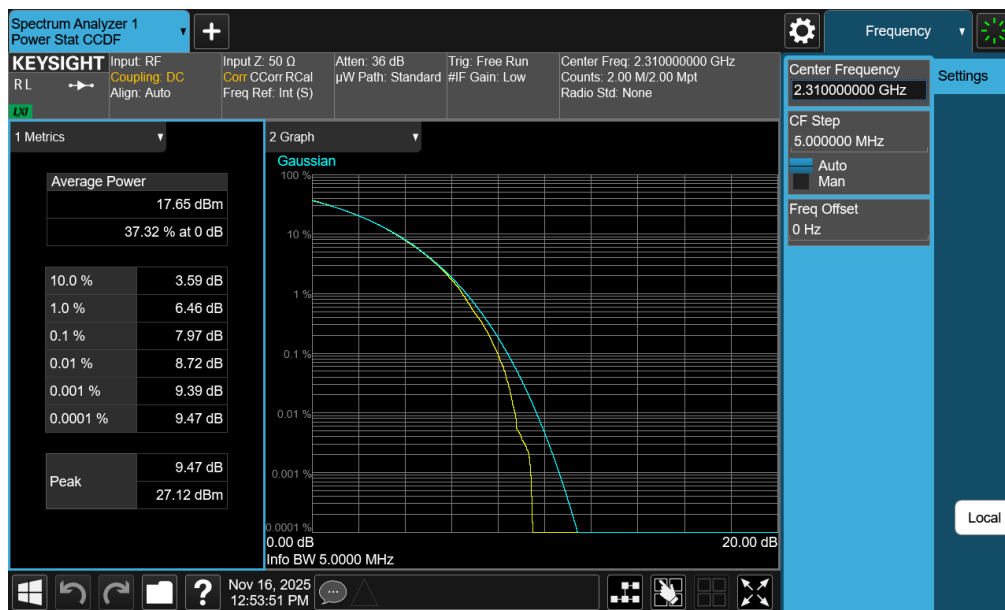


Plot 7-236. PAR Plot (NR Band n30– 5MHz $\pi/2$ BPSK – Full RB – Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-237. PAR Plot (NR Band n30- 5MHz QPSK - Full RB - Ant2)



Plot 7-238. PAR Plot (NR Band n30- 5MHz 256-QAM - Full RB - Ant1)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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7.7 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.

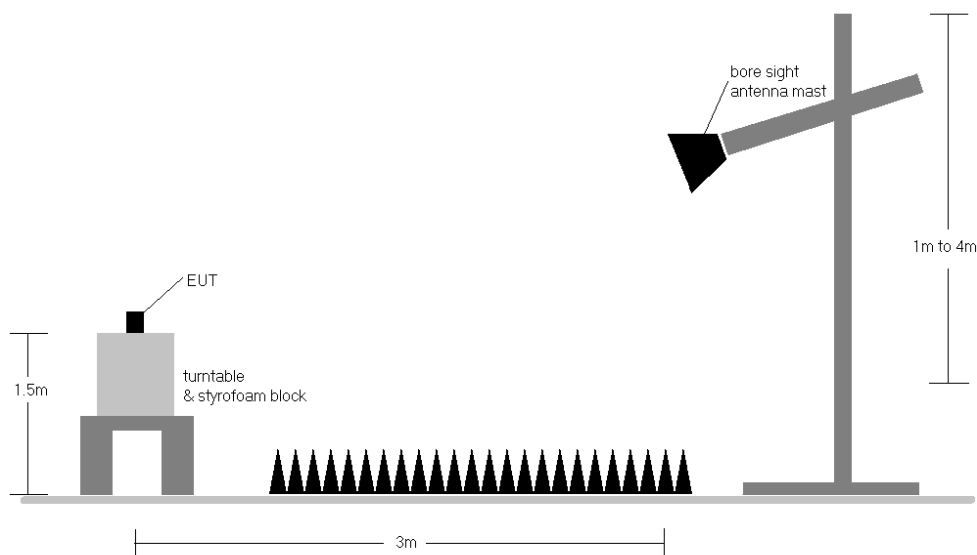


Figure 7-7. Radiated Test Setup >1GHz

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.

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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]
10 MHz	QPSK	2310.0	H	146	210	9.42	1 / 49	13.48	22.90	0.195	23.98	-1.08
	16-QAM	2310.0	H	146	210	9.42	1 / 49	12.60	22.02	0.159	23.98	-1.96
5 MHz	QPSK	2307.5	H	146	210	9.43	1 / 0	13.36	22.79	0.190	23.98	-1.19
	QPSK	2310.0	H	146	210	9.42	1 / 24	13.28	22.70	0.186	23.98	-1.28
	QPSK	2312.5	H	146	210	9.41	1 / 0	13.16	22.57	0.181	23.98	-1.41
	16-QAM	2307.5	H	146	210	9.43	1 / 0	12.81	22.24	0.168	23.98	-1.74
10 MHz	Opposite Pol.	2310.0	V	162	263	9.42	1 / 25	12.55	21.97	0.157	23.98	-2.01

Table 7-25. EIRP Data (LTE Band 30) – 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	127	209	4.17	1 / 99	17.35	21.52	0.142	33.01	-11.49
	QPSK	2593.0	H	112	211	4.00	1 / 99	19.26	23.26	0.212	33.01	-9.75
	QPSK	2680.0	H	120	209	4.50	1 / 99	17.61	22.11	0.163	33.01	-10.90
	16-QAM	2593.0	H	112	211	4.00	1 / 99	18.51	22.51	0.178	33.01	-10.50
15 MHz	QPSK	2503.5	H	127	209	4.17	1 / 0	17.36	21.53	0.142	33.01	-11.48
	QPSK	2593.0	H	112	211	4.00	1 / 0	19.28	23.28	0.213	33.01	-9.73
	QPSK	2682.5	H	120	209	4.51	1 / 74	17.60	22.11	0.163	33.01	-10.90
	16-QAM	2593.0	H	112	211	4.00	1 / 0	18.57	22.57	0.181	33.01	-10.44
10 MHz	QPSK	2501.0	H	127	209	4.17	1 / 0	17.34	21.51	0.142	33.01	-11.50
	QPSK	2593.0	H	112	211	4.00	1 / 0	19.30	23.30	0.214	33.01	-9.71
	QPSK	2685.0	H	120	209	4.52	1 / 0	17.62	22.14	0.164	33.01	-10.87
	16-QAM	2593.0	H	112	211	4.00	1 / 0	18.56	22.56	0.180	33.01	-10.45
5 MHz	QPSK	2498.5	H	127	209	4.16	1 / 24	17.34	21.50	0.141	33.01	-11.51
	QPSK	2593.0	H	112	211	4.00	1 / 24	19.35	23.35	0.216	33.01	-9.66
	QPSK	2687.5	H	120	209	4.53	1 / 0	17.59	22.12	0.163	33.01	-10.89
	16-QAM	2593.0	H	112	211	4.00	1 / 24	18.58	22.58	0.181	33.01	-10.43
20 MHz	Opposite Pol.	2593.0	V	225	283	4.14	1 / 99	14.17	18.31	0.068	33.01	-14.70

Table 7-26. EIRP Data (LTE Band 41/38(PC3)) – 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	2510.0	H	149	320	4.18	1 / 0	18.99	23.17	0.207	33.01	-9.84
	QPSK	2535.0	H	156	320	4.19	1 / 99	19.09	23.28	0.213	33.01	-9.73
	QPSK	2560.0	H	149	317	4.15	1 / 99	19.32	23.47	0.222	33.01	-9.54
	16-QAM	2535.0	H	156	320	4.19	1 / 50	17.96	22.15	0.164	33.01	-10.86
15 MHz	QPSK	2507.5	H	149	320	4.17	1 / 37	19.09	23.26	0.212	33.01	-9.75
	QPSK	2535.0	H	156	320	4.19	1 / 37	19.19	23.38	0.218	33.01	-9.63
	QPSK	2562.5	H	149	317	4.14	1 / 37	19.24	23.38	0.218	33.01	-9.63
	16-QAM	2535.0	H	156	320	4.19	1 / 37	18.08	22.26	0.168	33.01	-10.75
10 MHz	QPSK	2505.0	H	149	320	4.17	1 / 49	18.84	23.02	0.200	33.01	-9.99
	QPSK	2535.0	H	156	320	4.19	1 / 0	18.97	23.16	0.207	33.01	-9.85
	QPSK	2565.0	H	149	317	4.13	1 / 0	19.09	23.22	0.210	33.01	-9.79
	16-QAM	2535.0	H	156	320	4.19	1 / 49	17.73	21.92	0.156	33.01	-11.09
5 MHz	QPSK	2502.5	H	149	320	4.17	1 / 24	18.33	22.50	0.178	33.01	-10.51
	QPSK	2535.0	H	156	320	4.19	1 / 0	19.16	23.35	0.216	33.01	-9.66
	QPSK	2567.5	H	149	317	4.11	1 / 12	19.14	23.26	0.212	33.01	-9.75
	16-QAM	2535.0	H	156	320	4.19	1 / 12	18.01	22.19	0.166	33.01	-10.82
20 MHz	Opposite Pol.	2560.0	V	133	35	4.14	1 / 50	17.61	21.75	0.150	33.01	-11.26

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

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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]
10 MHz	$\pi/2$ BPSK	2310.0	H	152	205	9.42	1 / 50	13.29	22.71	0.187	23.98	-1.27
	QPSK	2310.0	H	152	205	9.42	1 / 50	13.33	22.75	0.188	23.98	-1.23
	16-QAM	2310.0	H	152	205	9.42	1 / 50	13.25	22.67	0.185	23.98	-1.31
5 MHz	$\pi/2$ BPSK	2307.5	H	152	205	9.43	1 / 1	12.92	22.35	0.172	23.98	-1.63
	$\pi/2$ BPSK	2310.0	H	152	205	9.42	1 / 12	12.96	22.38	0.173	23.98	-1.60
	$\pi/2$ BPSK	2312.5	H	152	205	9.41	1 / 23	13.09	22.50	0.178	23.98	-1.48
	QPSK	2307.5	H	152	205	9.43	1 / 1	13.04	22.47	0.177	23.98	-1.51
	QPSK	2310.0	H	152	205	9.42	1 / 12	13.14	22.57	0.181	23.98	-1.41
	QPSK	2312.5	H	152	205	9.41	1 / 23	13.12	22.53	0.179	23.98	-1.45
	16-QAM	2307.5	H	152	205	9.43	1 / 1	13.19	22.63	0.183	23.98	-1.35
	16-QAM	2310.0	H	152	205	9.42	1 / 12	13.01	22.43	0.175	23.98	-1.55
	16-QAM	2312.5	H	152	205	9.41	1 / 23	13.18	22.59	0.182	23.98	-1.39
10 MHz	QPSK (CP-OFDM)	2310.0	H	156	208	9.42	1 / 50	12.02	21.44	0.139	23.98	-2.54
	Opposite Pol.	2310.0	V	162	265	9.42	1 / 50	12.31	21.73	0.149	23.98	-2.25

Table 7-28. EIRP Data (NR Band n30) – Ant1

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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	$\pi/2$ BPSK	2546.01	H	159	177	4.19	1 / 136	21.99	26.18	0.415	33.01	-6.83
	$\pi/2$ BPSK	2592.99	H	146	179	4.00	1 / 136	21.57	25.57	0.361	33.01	-7.44
	$\pi/2$ BPSK	2640.00	H	169	192	4.31	1 / 136	21.83	26.14	0.411	33.01	-6.87
	QPSK	2546.01	H	159	177	4.19	1 / 136	22.17	26.36	0.433	33.01	-6.65
	QPSK	2592.99	H	146	179	4.00	1 / 136	20.90	24.90	0.309	33.01	-8.11
	QPSK	2640.00	H	169	192	4.31	1 / 136	21.70	26.01	0.399	33.01	-7.00
90 MHz	16-QAM	2546.01	H	159	177	4.19	1 / 136	20.97	25.16	0.328	33.01	-7.85
	$\pi/2$ BPSK	2541.00	H	159	177	4.19	1 / 243	21.78	25.97	0.395	33.01	-7.04
	$\pi/2$ BPSK	2592.99	H	146	179	4.00	1 / 122	21.56	25.56	0.360	33.01	-7.45
	$\pi/2$ BPSK	2644.98	H	169	192	4.36	1 / 1	21.86	26.21	0.418	33.01	-6.80
	QPSK	2541.00	H	159	177	4.19	1 / 243	21.95	26.14	0.411	33.01	-6.87
	QPSK	2592.99	H	146	179	4.00	1 / 122	20.90	24.90	0.309	33.01	-8.11
80 MHz	QPSK	2644.98	H	169	192	4.36	1 / 1	21.71	26.06	0.404	33.01	-6.95
	16-QAM	2541.00	H	159	177	4.19	1 / 243	20.77	24.96	0.313	33.01	-8.05
	$\pi/2$ BPSK	2536.02	H	159	177	4.19	1 / 215	21.40	25.59	0.362	33.01	-7.42
	$\pi/2$ BPSK	2592.99	H	146	179	4.00	1 / 108	21.56	25.56	0.360	33.01	-7.45
	$\pi/2$ BPSK	2649.99	H	169	192	4.40	1 / 1	21.78	26.18	0.415	33.01	-6.83
	QPSK	2536.02	H	159	177	4.19	1 / 215	21.58	25.77	0.378	33.01	-7.24
70 MHz	QPSK	2592.99	H	146	179	4.00	1 / 108	20.91	24.91	0.310	33.01	-8.10
	QPSK	2649.99	H	169	192	4.40	1 / 1	21.69	26.09	0.407	33.01	-6.92
	16-QAM	2592.99	H	146	179	4.00	1 / 108	20.81	24.81	0.303	33.01	-8.20
	$\pi/2$ BPSK	2531.01	H	159	177	4.18	1 / 187	21.29	25.47	0.352	33.01	-7.54
	$\pi/2$ BPSK	2592.99	H	146	179	4.00	1 / 94	21.57	25.57	0.361	33.01	-7.44
	$\pi/2$ BPSK	2655.00	H	169	192	4.42	1 / 1	21.59	26.00	0.398	33.01	-7.01
60 MHz	QPSK	2531.01	H	159	177	4.18	1 / 187	21.45	25.63	0.366	33.01	-7.38
	QPSK	2592.99	H	146	179	4.00	1 / 94	20.91	24.91	0.310	33.01	-8.10
	QPSK	2655.00	H	169	192	4.42	1 / 1	21.46	25.87	0.387	33.01	-7.14
	16-QAM	2592.99	H	146	179	4.00	1 / 94	20.79	24.79	0.301	33.01	-8.22
	$\pi/2$ BPSK	2526.00	H	159	177	4.18	1 / 160	21.10	25.28	0.337	33.01	-7.73
	$\pi/2$ BPSK	2592.99	H	146	179	4.00	1 / 81	21.61	25.61	0.364	33.01	-7.40
50 MHz	$\pi/2$ BPSK	2659.98	H	169	192	4.43	1 / 1	21.29	25.72	0.373	33.01	-7.29
	QPSK	2526.00	H	159	177	4.18	1 / 160	21.26	25.44	0.350	33.01	-7.57
	QPSK	2592.99	H	146	179	4.00	1 / 81	20.95	24.95	0.313	33.01	-8.06
	QPSK	2659.98	H	169	192	4.43	1 / 1	21.16	25.59	0.362	33.01	-7.42
	16-QAM	2592.99	H	146	179	4.00	1 / 81	20.86	24.86	0.306	33.01	-8.15
	$\pi/2$ BPSK	2521.02	H	159	177	4.18	1 / 131	21.03	25.21	0.332	33.01	-7.80
40 MHz	$\pi/2$ BPSK	2592.99	H	146	179	4.00	1 / 66	21.54	25.54	0.358	33.01	-7.47
	$\pi/2$ BPSK	2664.99	H	169	192	4.45	1 / 1	21.05	25.50	0.355	33.01	-7.51
	QPSK	2521.02	H	159	177	4.18	1 / 131	21.22	25.40	0.347	33.01	-7.61
	QPSK	2592.99	H	146	179	4.00	1 / 131	20.90	24.90	0.309	33.01	-8.11
	QPSK	2664.99	H	169	192	4.45	1 / 1	20.91	25.36	0.344	33.01	-7.65
	16-QAM	2592.99	H	146	179	4.00	1 / 131	20.81	24.81	0.303	33.01	-8.20
30 MHz	$\pi/2$ BPSK	2516.01	H	159	177	4.18	1 / 104	20.88	25.06	0.321	33.01	-7.95
	$\pi/2$ BPSK	2592.99	H	146	179	4.00	1 / 53	21.57	25.57	0.361	33.01	-7.44
	$\pi/2$ BPSK	2670.00	H	169	192	4.47	1 / 1	20.92	25.38	0.345	33.01	-7.63
	QPSK	2516.01	H	159	177	4.18	1 / 104	21.05	25.23	0.334	33.01	-7.78
	QPSK	2592.99	H	146	179	4.00	1 / 104	20.95	24.95	0.313	33.01	-8.06
	QPSK	2670.00	H	169	192	4.47	1 / 1	20.76	25.22	0.333	33.01	-7.79
20 MHz	16-QAM	2592.99	H	146	179	4.00	1 / 104	20.82	24.82	0.303	33.01	-8.19
	$\pi/2$ BPSK	2511.00	H	159	177	4.18	1 / 76	20.87	25.04	0.319	33.01	-7.97
	$\pi/2$ BPSK	2592.99	H	146	179	4.00	1 / 76	21.62	25.62	0.365	33.01	-7.39
	$\pi/2$ BPSK	2674.98	H	169	192	4.48	1 / 1	20.77	25.25	0.335	33.01	-7.76
	QPSK	2511.00	H	159	177	4.18	1 / 76	21.04	25.21	0.332	33.01	-7.80
	QPSK	2592.99	H	146	179	4.00	1 / 76	20.99	24.99	0.315	33.01	-8.02
15 MHz	QPSK	2674.98	H	169	192	4.48	1 / 1	20.64	25.12	0.325	33.01	-7.89
	16-QAM	2592.99	H	146	179	4.00	1 / 76	20.84	24.84	0.305	33.01	-8.17
	$\pi/2$ BPSK	2506.02	H	159	177	4.17	1 / 25	20.79	24.96	0.313	33.01	-8.05
	$\pi/2$ BPSK	2592.99	H	146	179	4.00	1 / 49	21.62	25.62	0.365	33.01	-7.39
	$\pi/2$ BPSK	2679.99	H	169	192	4.50	1 / 1	20.64	25.14	0.327	33.01	-7.87
	QPSK	2506.02	H	159	177	4.17	1 / 1	20.89	25.06	0.321	33.01	-7.95
10 MHz	QPSK	2592.99	H	146	179	4.00	1 / 49	21.00	25.00	0.316	33.01	-8.01
	QPSK	2679.99	H	169	192	4.50	1 / 1	20.51	25.01	0.317	33.01	-8.00
	16-QAM	2592.99	H	146	179	4.00	1 / 49	20.92	24.92	0.310	33.01	-8.09
	$\pi/2$ BPSK	2503.50	H	159	177	4.17	1 / 19	20.83	25.00	0.316	33.01	-8.01
	$\pi/2$ BPSK	2592.99	H	146	179	4.00	1 / 36	21.60	25.60	0.363	33.01	-7.41
	$\pi/2$ BPSK	2682.50	H	169	192	4.51	1 / 1	20.55	25.06	0.321	33.01	-7.95
5 MHz	QPSK	2503.50	H	159	177	4.17	1 / 36	20.96	25.13	0.326	33.01	-7.88
	QPSK	2592.99	H	146	179	4.00	1 / 36	20.97	24.97	0.314	33.01	-8.04
	QPSK	2682.50	H	169	192	4.51	1 / 1	20.41	24.92	0.311	33.01	-8.09
	16-QAM	2592.99	H	146	179	4.00	1 / 36	20.85	24.85	0.305	33.01	-8.16
	$\pi/2$ BPSK	2501.00	H	159	177	4.17	24 / 0	20.77	24.94	0.312	33.01	-8.07
	$\pi/2$ BPSK	2592.99	H	146	179	4.00	1 / 22	21.59	25.59	0.362	33.01	-7.42
100 MHz	$\pi/2$ BPSK	2685.00	H	169	192	4.52	1 / 1	20.39	24.91	0.310	33.01	-8.10
	QPSK	2501.00	H	159	177	4.17	1 / 22	20.94	25.11	0.324	33.01	-7.90
	QPSK	2592.99	H	146	179	4.00	1 / 22	20.96	24.96	0.313	33.01	-8.05
	QPSK	2685.00	H	169	192	4.52	1 / 1	20.25	24.77	0.300	33.01	-8.24
	16-QAM	2592.99	H	146	179	4.00	1 / 22	20.88	24.88	0.308	33.01	-8.13
	QPSK (CP-OFDM)	2546.01	H	159	177	4.19	1 / 1	20.16	24.35	0.272	33.01	-8.66
	QPSK (Opposite Pol.)	2546.01	V	231	241	4.13	1 / 136	20.85	24.98	0.315	33.01	-8.03

Table 7-29. EIRP Data (NR Band n41 (PC2)) – 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]
10 MHz	QPSK	2310.0	H	157	327	9.42	1 / 49	12.12	21.54	0.143	23.98	-2.44
	16-QAM	2310.0	H	157	327	9.42	1 / 49	11.50	20.92	0.124	23.98	-3.06
5 MHz	QPSK	2307.5	H	157	327	9.43	1 / 12	12.39	21.82	0.152	23.98	-2.16
	QPSK	2310.0	H	157	327	9.42	1 / 0	12.36	21.78	0.151	23.98	-2.20
	QPSK	2312.5	H	157	327	9.41	1 / 12	12.20	21.61	0.145	23.98	-2.37
	16-QAM	2310.0	H	157	327	9.42	1 / 0	11.96	21.38	0.137	23.98	-2.60
10 MHz	Opposite Pol.	2310.0	V	151	44	9.42	1 / 49	11.30	20.72	0.118	23.98	-3.26

Table 7-30. EIRP Data (LTE Band 30) – 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	158	322	4.17	1 / 50	17.71	21.88	0.154	33.01	-11.13
	QPSK	2593.0	H	143	318	4.00	1 / 50	17.98	21.98	0.158	33.01	-11.03
	QPSK	2680.0	H	168	313	4.50	1 / 0	16.53	21.03	0.127	33.01	-11.98
	16-QAM	2593.0	H	143	318	4.00	1 / 50	16.48	20.48	0.112	33.01	-12.53
15 MHz	QPSK	2503.5	H	158	322	4.17	1 / 0	17.84	22.01	0.159	33.01	-11.00
	QPSK	2593.0	H	143	318	4.00	1 / 74	18.04	22.04	0.160	33.01	-10.97
	QPSK	2682.5	H	168	313	4.51	1 / 37	16.40	20.91	0.123	33.01	-12.10
	16-QAM	2593.0	H	143	318	4.00	1 / 74	16.42	20.42	0.110	33.01	-12.59
10 MHz	QPSK	2501.0	H	158	322	4.17	1 / 0	17.84	22.01	0.159	33.01	-11.00
	QPSK	2593.0	H	143	318	4.00	1 / 49	17.94	21.94	0.156	33.01	-11.07
	QPSK	2685.0	H	168	313	4.52	1 / 0	16.54	21.06	0.128	33.01	-11.95
	16-QAM	2593.0	H	143	318	4.00	1 / 49	16.57	20.57	0.114	33.01	-12.44
5 MHz	QPSK	2498.5	H	158	322	4.16	1 / 0	17.83	21.99	0.158	33.01	-11.02
	QPSK	2593.0	H	143	318	4.00	1 / 24	17.94	21.94	0.156	33.01	-11.07
	QPSK	2687.5	H	168	313	4.53	1 / 0	16.48	21.01	0.126	33.01	-12.00
	16-QAM	2593.0	H	143	318	4.00	1 / 24	16.46	20.46	0.111	33.01	-12.55
20 MHz	Opposite Pol.	2593.0	V	139	304	4.14	1 / 99	15.79	19.93	0.098	33.01	-13.08

Table 7-31. EIRP Data (LTE Band 41/38(PC3)) – 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	2510.0	H	163	188	4.18	1 / 0	18.93	23.11	0.204	33.01	-9.90
	QPSK	2535.0	H	153	191	4.19	1 / 99	18.87	23.06	0.202	33.01	-9.95
	QPSK	2560.0	H	178	203	4.15	1 / 0	18.24	22.39	0.173	33.01	-10.62
	16-QAM	2510.0	H	163	188	4.18	1 / 0	17.99	22.17	0.165	33.01	-10.84
15 MHz	QPSK	2507.5	H	163	188	4.17	1 / 74	18.77	22.94	0.197	33.01	-10.07
	QPSK	2535.0	H	153	191	4.19	1 / 0	18.24	22.43	0.175	33.01	-10.58
	QPSK	2562.5	H	178	203	4.14	1 / 74	17.91	22.05	0.160	33.01	-10.96
	16-QAM	2507.5	H	163	188	4.17	1 / 74	17.96	22.13	0.163	33.01	-10.88
10 MHz	QPSK	2505.0	H	163	188	4.17	1 / 0	18.82	23.00	0.199	33.01	-10.01
	QPSK	2535.0	H	153	191	4.19	1 / 0	18.54	22.72	0.187	33.01	-10.29
	QPSK	2565.0	H	178	203	4.13	1 / 0	17.94	22.07	0.161	33.01	-10.94
	16-QAM	2505.0	H	163	188	4.17	1 / 0	18.19	22.37	0.172	33.01	-10.65
5 MHz	QPSK	2502.5	H	163	188	4.17	1 / 0	18.88	23.05	0.202	33.01	-9.96
	QPSK	2535.0	H	153	191	4.19	1 / 0	18.64	22.83	0.192	33.01	-10.18
	QPSK	2567.5	H	178	203	4.11	1 / 12	17.96	22.08	0.161	33.01	-10.93
	16-QAM	2502.5	H	163	188	4.17	1 / 0	18.14	22.31	0.170	33.01	-10.70
20 MHz	Opposite Pol.	2510.0	V	169	285	4.15	1 / 99	18.11	22.26	0.168	33.01	-10.75

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

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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]
10 MHz	$\pi/2$ BPSK	2310.0	H	100	325	9.42	1 / 50	11.93	21.35	0.136	23.98	-2.63
	QPSK	2310.0	H	100	325	9.42	1 / 50	11.66	21.08	0.128	23.98	-2.90
	16-QAM	2310.0	H	100	325	9.42	1 / 50	10.89	20.31	0.107	23.98	-3.67
5 MHz	$\pi/2$ BPSK	2307.5	H	100	325	9.43	1 / 1	12.08	21.51	0.142	23.98	-2.47
	$\pi/2$ BPSK	2310.0	H	100	325	9.42	1 / 1	12.02	21.44	0.139	23.98	-2.54
	$\pi/2$ BPSK	2312.5	H	100	325	9.41	1 / 12	11.85	21.26	0.134	23.98	-2.72
	QPSK	2307.5	H	100	325	9.43	1 / 1	11.59	21.02	0.126	23.98	-2.96
	QPSK	2310.0	H	100	325	9.42	1 / 1	11.56	20.98	0.125	23.98	-3.00
	QPSK	2312.5	H	100	325	9.41	1 / 12	11.45	20.86	0.122	23.98	-3.12
	16-QAM	2307.5	H	100	325	9.43	1 / 1	10.91	20.35	0.108	23.98	-3.63
	QPSK (CP-OFDM)	2310.0	H	102	324	9.42	1 / 1	11.40	20.82	0.121	23.98	-3.16
10 MHz	Opposite Pol.	2310.0	V	155	47	9.42	1 / 50	11.39	20.81	0.121	23.98	-3.17

Table 7-33. EIRP Data (NR Band n30) – Ant2

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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 $\geq 3 \times$ 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.

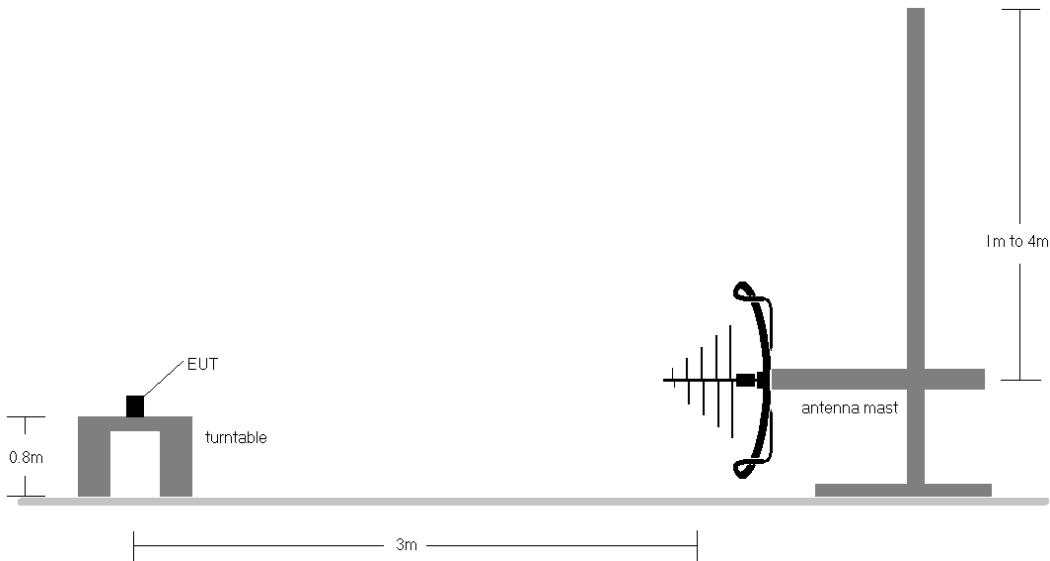


Figure 7-8. Test Instrument & Measurement Setup < 1GHz

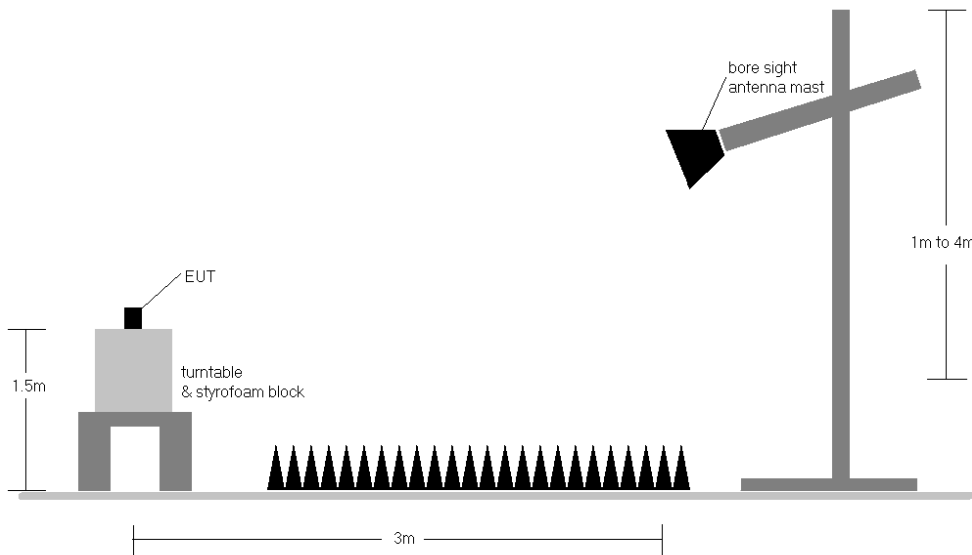


Figure 7-9. Test Instrument & Measurement Setup >1 GHz

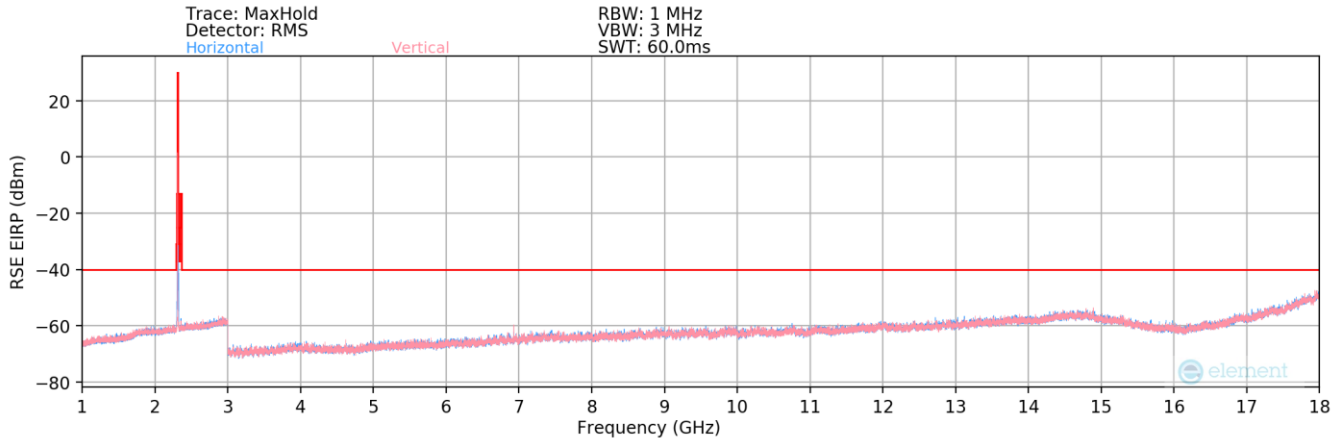
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Test Notes

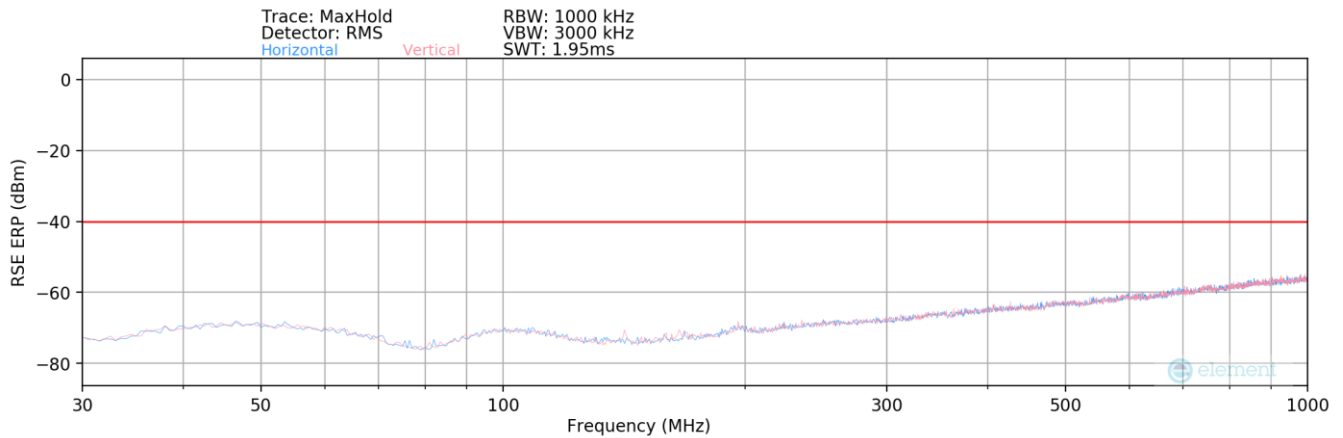
- 1) Field strengths are calculated using the Measurement quantity conversions in ANSI C63.26:2015 Section 5.2.7:
 - a) $E(\text{dB}\mu\text{V/m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
 - b) $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V/m}) + 20\log D - 104.8$; 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.

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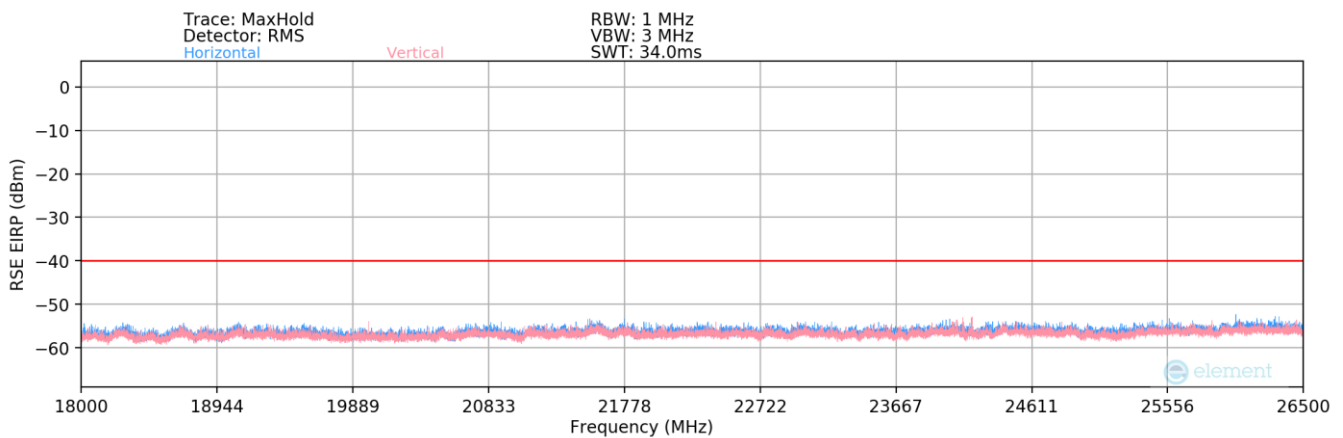
LTE Band 30 – Ant1



Plot 7-239. Radiated Spurious Plot (LTE Band 30) – Ant1



Plot 7-240. Radiated Spurious Plot (LTE Band 30) – Ant1



Plot 7-241. Radiated Spurious Plot (LTE Band 30) – Ant1

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1/25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
448.79	H	-	-	-81.28	23.79	49.51	-47.90	-40.00	-7.90
552.16	H	-	-	-79.21	25.67	53.46	-43.94	-40.00	-3.94

Table 7-34. Radiated Spurious Data (LTE Band 30) – Ant1

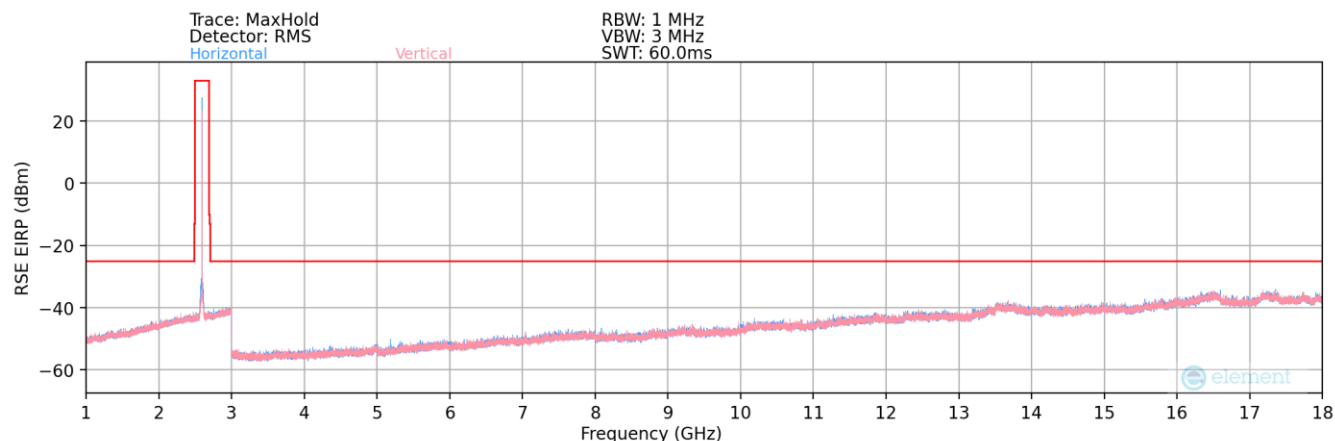
Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4620.00	V	114	131	-74.90	1.58	33.68	-61.58	-40.00	-21.58
6930.00	V	106	196	-72.14	5.53	40.39	-54.86	-40.00	-14.86
9240.00	V	-	-	-78.45	10.97	39.52	-55.73	-40.00	-15.73
11550.00	V	-	-	-78.52	11.14	39.62	-55.63	-40.00	-15.63
13860.00	V	-	-	-80.66	16.31	42.65	-52.61	-40.00	-12.61
16170.00	V	-	-	-80.15	14.03	40.88	-54.37	-40.00	-14.37
18480.00	V	-	-	-61.26	-3.45	42.29	-62.51	-40.00	-22.51
20790.00	V	-	-	-61.06	-3.23	42.71	-62.09	-40.00	-22.09

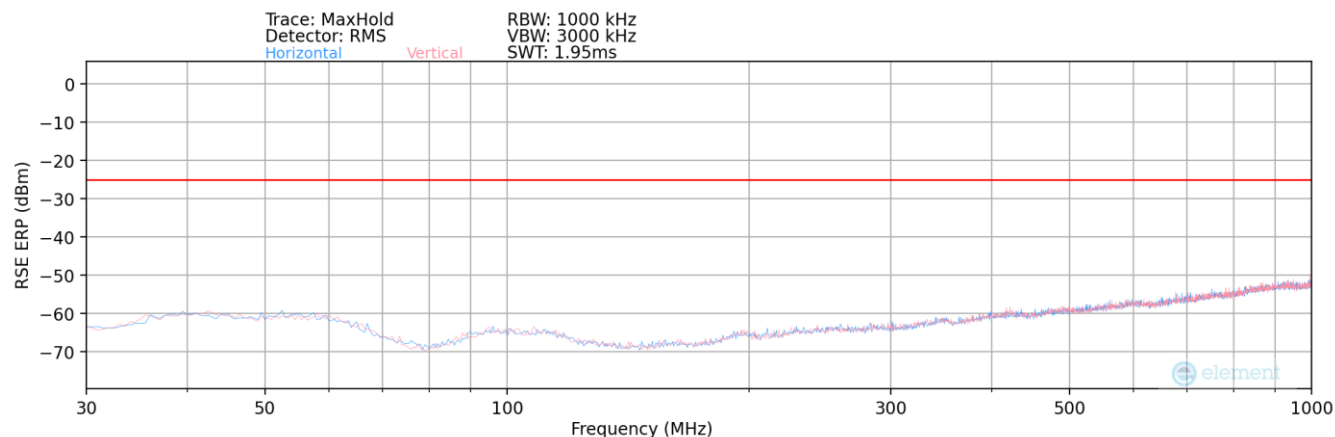
Table 7-35. Radiated Spurious Data (LTE Band 30 – Mid Channel) – Ant1

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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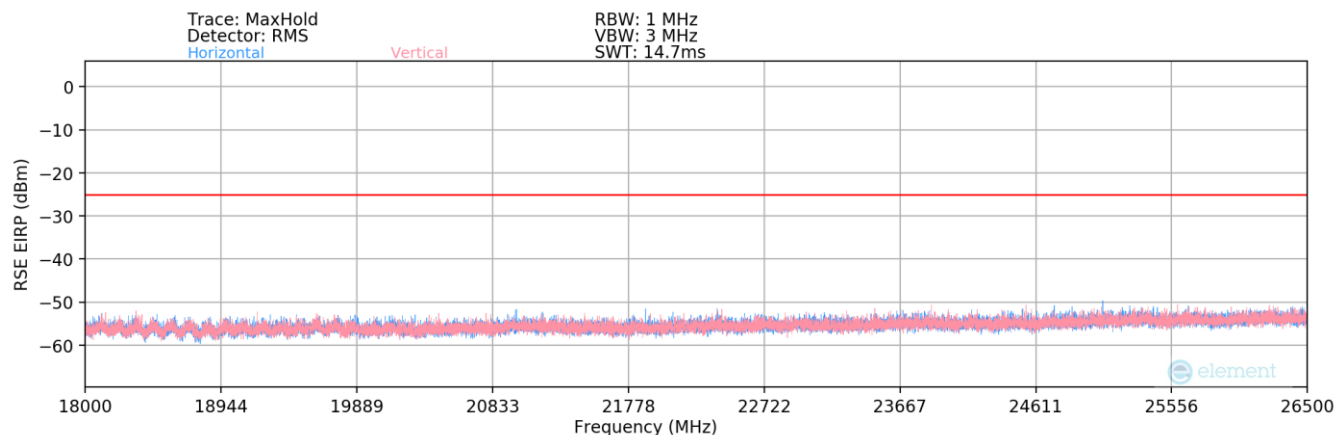
LTE Band 41/38(PC3)– Ant1



Plot 7-242. Radiated Spurious Plot (LTE Band 41/38(PC3)) – Ant1



Plot 7-243. Radiated Spurious Plot (LTE Band 41/38(PC3)) – Ant1



Plot 7-244. Radiated Spurious Plot (LTE Band 41/38(PC3)) – Ant1

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		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]
410.00	H	-	-	-66.47	-7.92	32.61	-64.80	-25.00	-39.80

Table 7-36. Radiated Spurious Data (LTE Band 41/38(PC3)) – 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	-	-	-70.62	10.12	46.50	-48.76	-25.00	-23.76
7518.00	H	-	-	-73.64	15.55	48.91	-46.35	-25.00	-21.35
10024.00	H	-	-	-75.59	18.98	50.39	-44.87	-25.00	-19.87

Table 7-37. Radiated Spurious Data (LTE Band 41/38(PC3)– 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	-	-	-71.73	10.38	45.65	-49.61	-25.00	-24.61
7779.00	H	-	-	-73.30	15.44	49.14	-46.11	-25.00	-21.11
10372.00	H	-	-	-74.60	19.53	51.93	-43.33	-25.00	-18.33

Table 7-38. Radiated Spurious Data (LTE Band 41/38(PC3)– Mid Channel) – Ant1

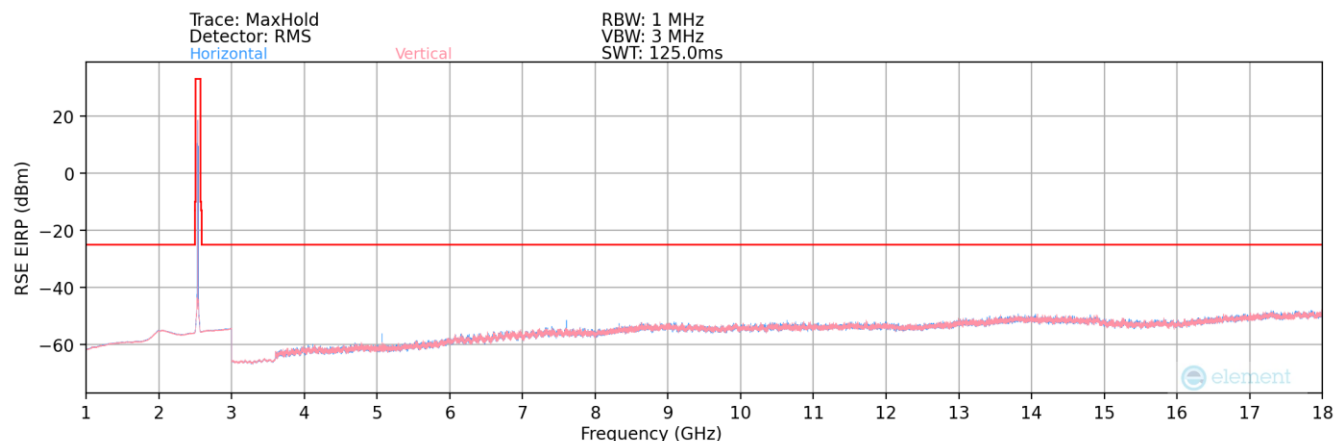
Bandwidth (MHz):	20
Frequency (MHz):	2680.0
RB / Offset:	1 / 50

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	-	-	-72.82	10.79	44.97	-50.29	-25.00	-25.29
8040.00	H	-	-	-74.20	16.08	48.88	-46.38	-25.00	-21.38
10720.00	H	-	-	-75.37	20.23	51.86	-43.39	-25.00	-18.39

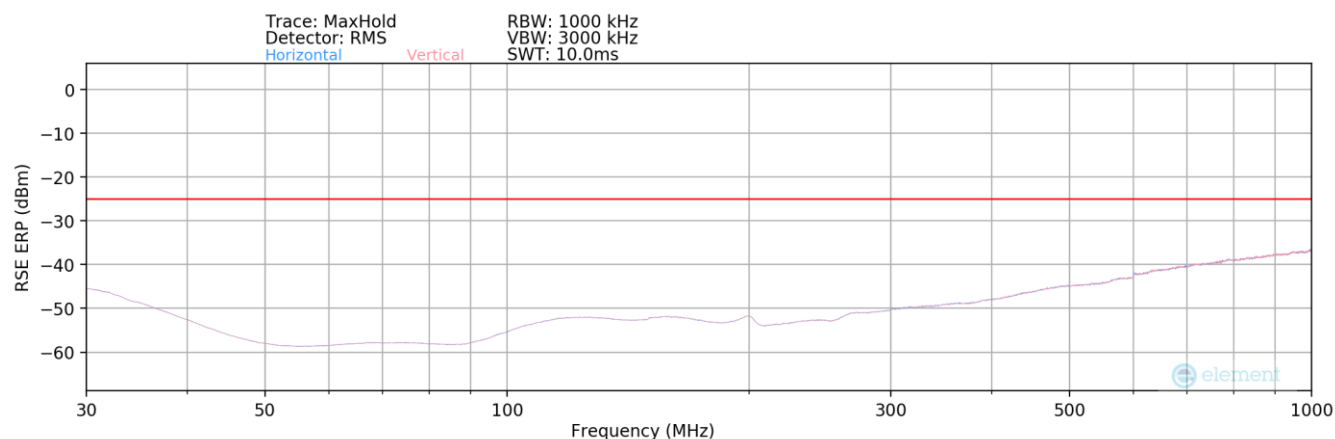
Table 7-39. Radiated Spurious Data (LTE Band 41/38(PC3)– High Channel) – Ant1

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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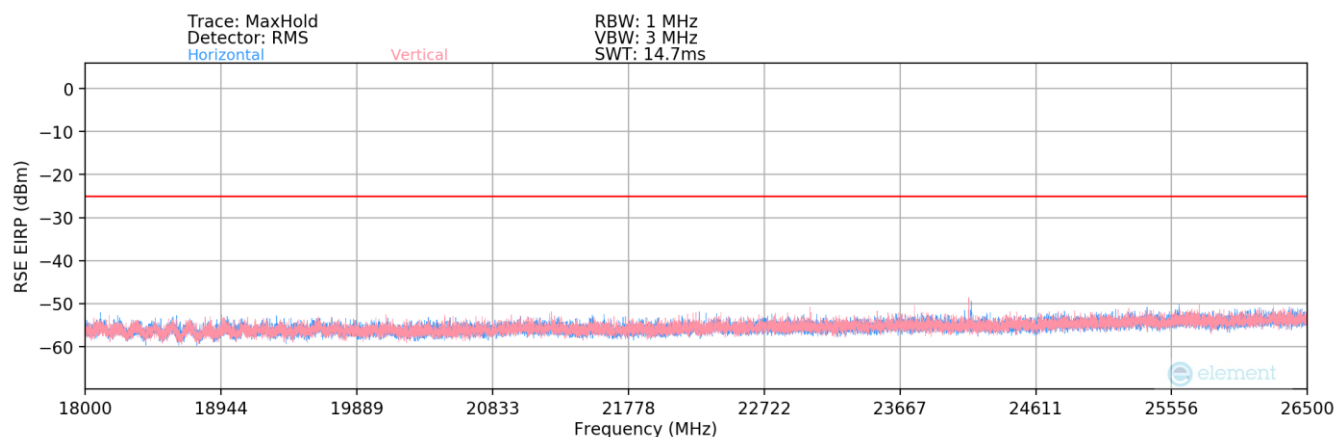
LTE Band 7 – Ant1



Plot 7-245. Radiated Spurious Plot (LTE Band 7) – Ant1



Plot 7-246. Radiated Spurious Plot (LTE Band 7) – Ant1



Plot 7-247. Radiated Spurious Plot (LTE Band 7) – Ant1

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Bandwidth (MHz):	20
Frequency (MHz):	2535.0
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]
200.00	H	-	-	-85.64	20.10	41.46	-55.94	-25.00	-30.94

Table 7-40. Radiated Spurious Data (LTE Band 7) – Ant1

Bandwidth (MHz):	20
Frequency (MHz):	2510.0
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]
5020.00	H	159	6	-71.79	3.12	38.33	-56.93	-25.00	-31.93
7530.00	H	126	333	-74.79	9.56	41.77	-53.48	-25.00	-28.48
10040.00	H	213	13	-77.04	11.88	41.84	-53.41	-25.00	-28.41
12550.00	H	-	-	-81.09	13.11	39.02	-56.24	-25.00	-31.24
15060.00	H	-	-	-81.39	14.34	39.95	-55.31	-25.00	-30.31
17570.00	H	-	-	-80.97	16.59	42.62	-52.64	-25.00	-27.64

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

Bandwidth (MHz):	20
Frequency (MHz):	2535.0
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]
5070.00	H	188	6	-72.76	3.13	37.37	-57.89	-25.00	-32.89
7605.00	H	125	324	-72.66	9.60	43.94	-51.32	-25.00	-26.32
10140.00	H	166	321	-77.96	12.04	41.08	-54.18	-25.00	-29.18
12675.00	H	-	-	-81.30	13.39	39.09	-56.17	-25.00	-31.17
15210.00	H	-	-	-81.39	14.29	39.90	-55.36	-25.00	-30.36
17745.00	H	-	-	-81.46	17.61	43.15	-52.11	-25.00	-27.11

Table 7-42. Radiated Spurious Data (LTE Band 7 – Mid Channel) – Ant1

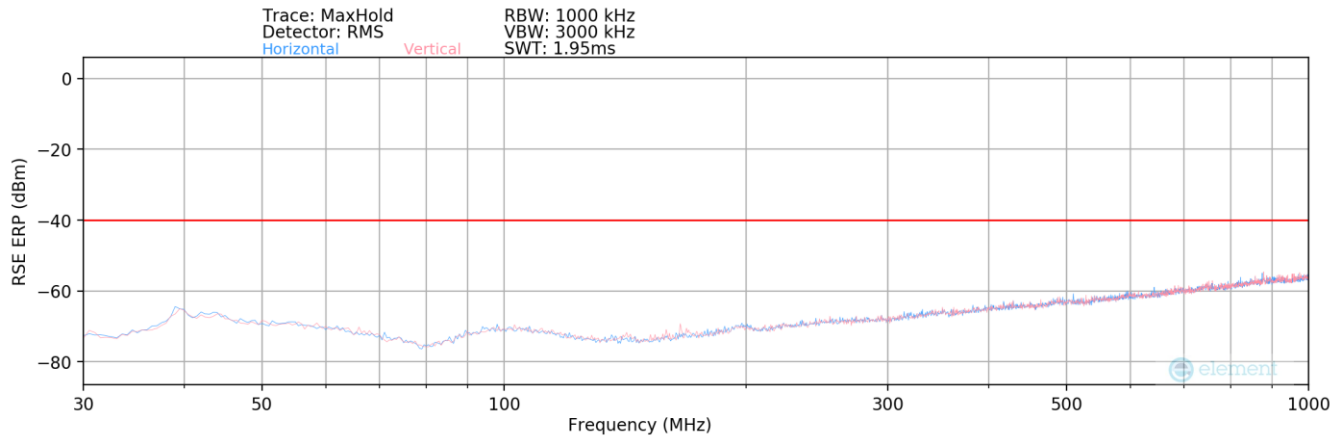
Bandwidth (MHz):	20
Frequency (MHz):	2560.0
RB / Offset:	1 / 50

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]
5120.00	H	151	70	-69.86	3.30	40.44	-54.82	-25.00	-29.82
7680.00	H	152	316	-72.08	8.94	43.86	-51.40	-25.00	-26.40
10240.00	H	162	319	-78.37	11.85	40.48	-54.78	-25.00	-29.78
12800.00	H	-	-	-81.50	13.94	39.44	-55.81	-25.00	-30.81
15360.00	H	-	-	-81.83	14.03	39.20	-56.06	-25.00	-31.06
17920.00	H	-	-	-80.99	16.93	42.94	-52.32	-25.00	-27.32

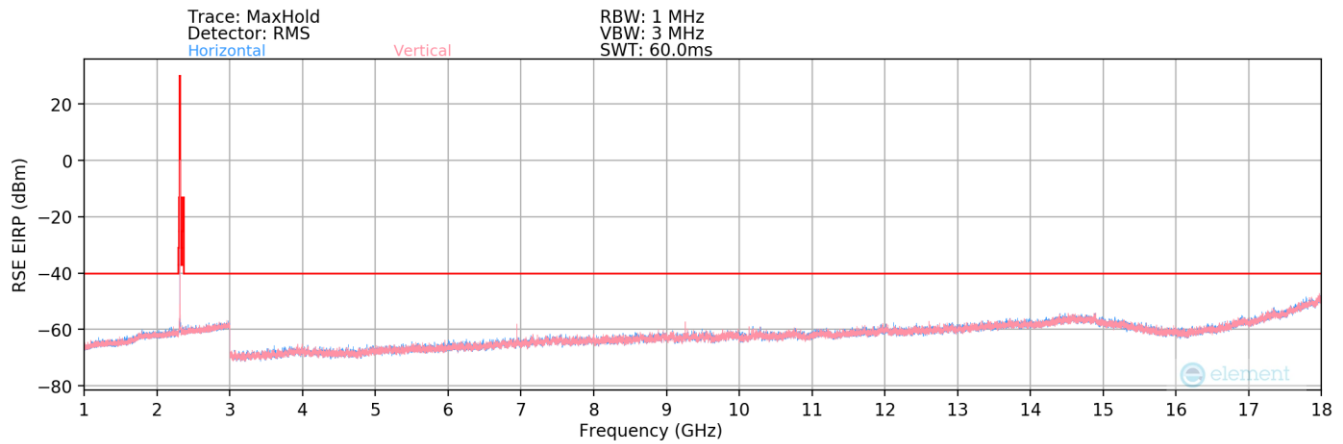
Table 7-43. Radiated Spurious Data (LTE Band 7 – High Channel) – Ant1

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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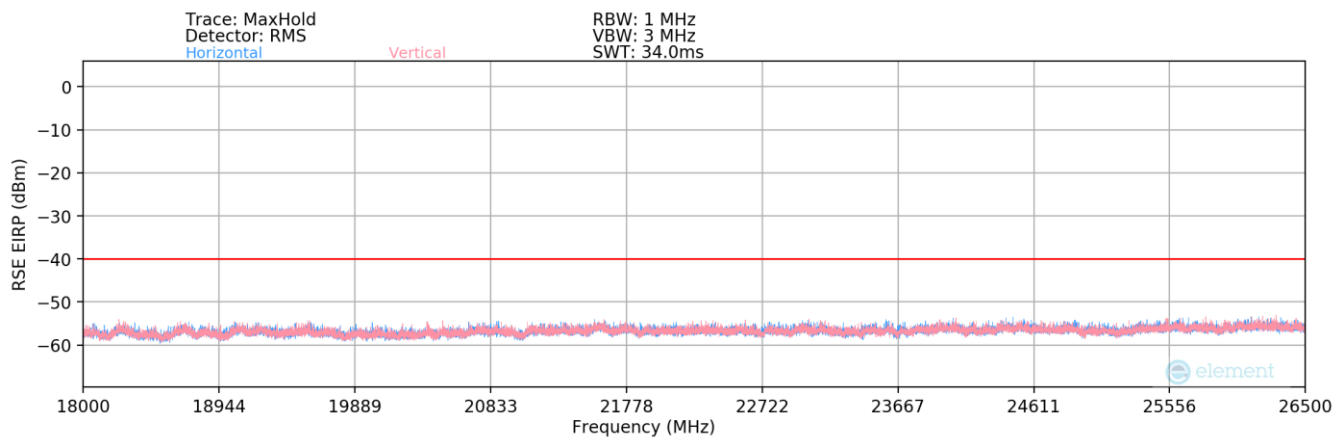
NR Band n30 – Ant1



Plot 7-248. Radiated Spurious Plot (NR Band n30) – Ant1



Plot 7-249. Radiated Spurious Plot (NR Band n30) – Ant1



Plot 7-250. Radiated Spurious Plot (NR Band n30) – Ant1

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
457.99	H	-	-	-81.14	23.83	49.69	-47.72	-40.00	-7.72
555.26	H	-	-	-79.82	25.69	52.87	-44.54	-40.00	-4.54

Table 7-44. Radiated Spurious Data (NR Band n30) – Ant1

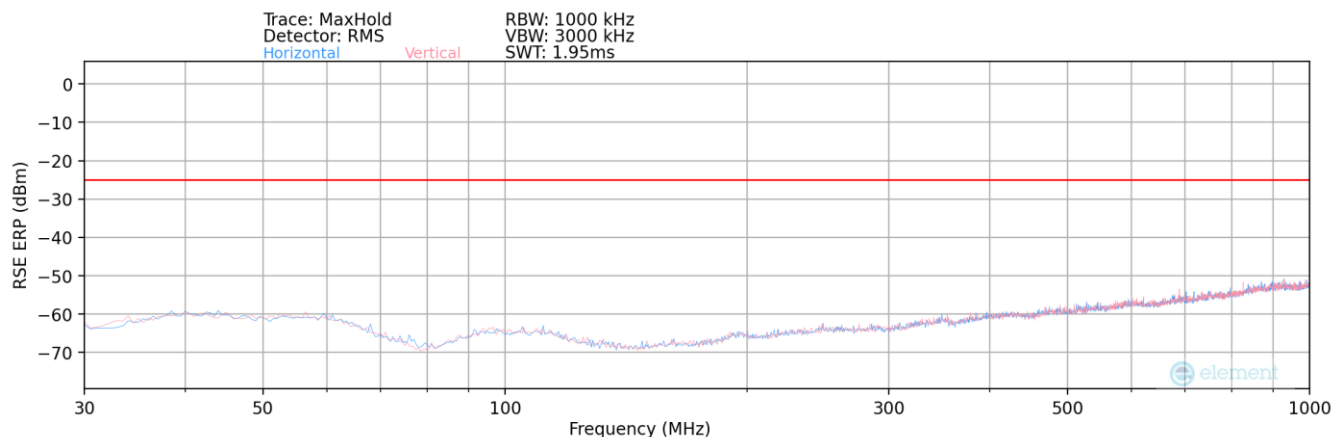
Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 26

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4620.00	V	106	278	-74.13	1.58	34.45	-60.81	-40.00	-20.81
6930.00	V	109	261	-74.54	5.53	37.99	-57.26	-40.00	-17.26
9240.00	V	101	243	-72.75	10.97	45.22	-50.03	-40.00	-10.03
11550.00	V	-	-	-78.03	11.14	40.11	-55.14	-40.00	-15.14
13860.00	V	-	-	-80.12	16.31	43.19	-52.07	-40.00	-12.07
16170.00	V	-	-	-79.63	14.03	41.40	-53.85	-40.00	-13.85
18480.00	V	-	-	-61.13	-3.45	42.42	-62.38	-40.00	-22.38
20790.00	V	-	-	-61.07	-3.23	42.70	-62.10	-40.00	-22.10

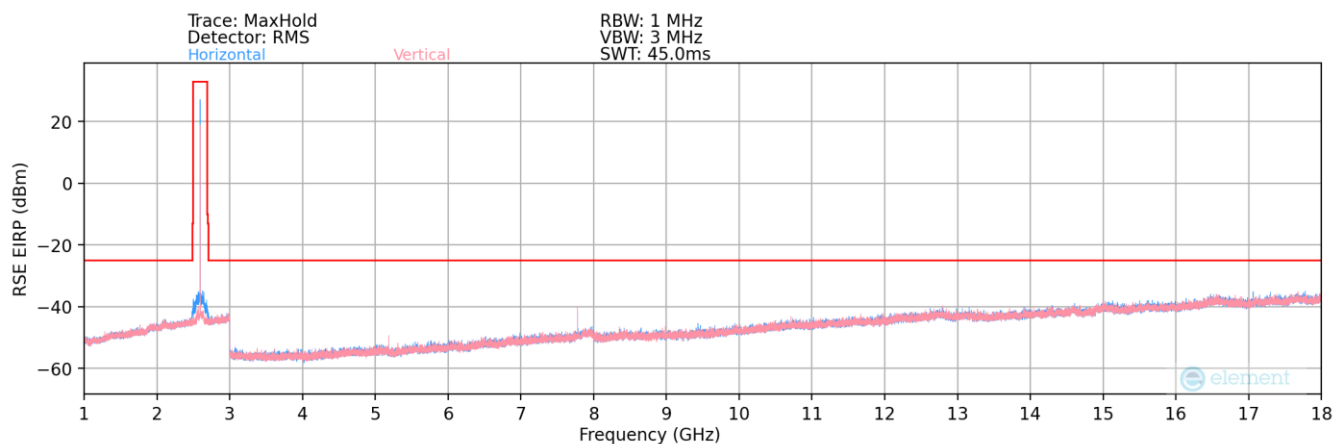
Table 7-45. Radiated Spurious Data (NR Band n30 – Mid Channel) – Ant1

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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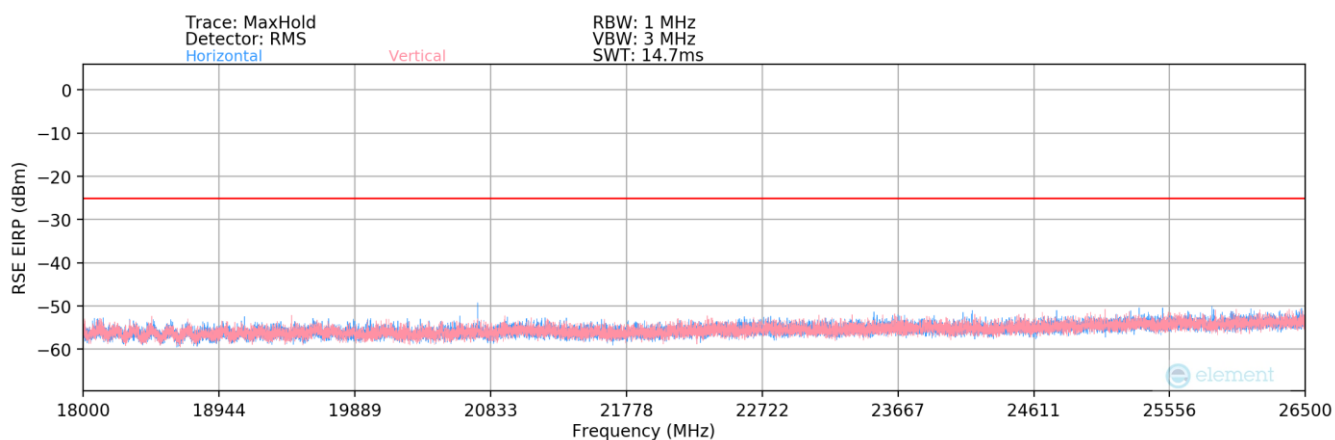
NR Band n41(PC2) – Ant1



Plot 7-251. Radiated Spurious Plot (NR Band n41(PC2) – Default – Ant1)



Plot 7-252. Radiated Spurious Plot (NR Band n41(PC2) – Default – Ant1)



Plot 7-253. Radiated Spurious Plot NR Band n41(PC2) – Default – Ant1

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Bandwidth (MHz):	100
Frequency (MHz):	2592.99
RB / Offset:	1 / 136
Mode:	Stand Alone

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]
150.00	V	-	-	-71.50	-16.75	18.75	-78.66	-25.00	-53.66

Table 7-46. Radiated Spurious Data (NR Band n41(PC2) – Default – Ant1

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

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	112	303	-66.46	10.03	50.57	-44.69	-25.00	-19.69
7638.03	V	-	-	-72.64	15.72	50.08	-45.17	-25.00	-20.17
10184.04	V	-	-	-73.56	19.66	53.10	-42.15	-25.00	-17.15
12730.05	V	-	-	-76.04	23.53	54.49	-40.77	-25.00	-15.77

Table 7-47. Radiated Spurious Data (NR Band n41(PC2) – Low Channel) – Default – Ant1

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

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	105	257	-71.64	10.38	45.74	-49.52	-25.00	-24.52
7778.97	V	121	94	-67.57	15.44	54.87	-40.38	-25.00	-15.38
10371.96	V	-	-	-73.48	19.53	53.05	-42.21	-25.00	-17.21
12964.95	V	-	-	-75.08	24.45	56.37	-38.89	-25.00	-13.89
15557.94	V	-	-	-76.21	28.35	59.14	-36.12	-25.00	-11.12

Table 7-48. Radiated Spurious Data (NR Band n41(PC2) – Mid Channel) – Default – Ant1

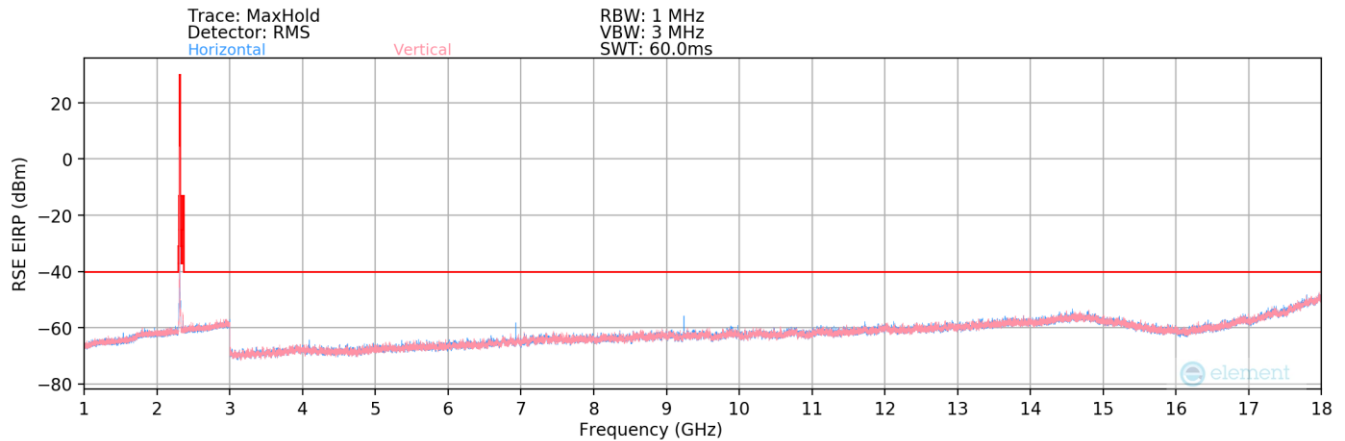
Bandwidth (MHz):	100
Frequency (MHz):	2640.00
RB / Offset:	1 / 136
Mode:	Stand Alone

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	114	6	-70.94	10.27	46.33	-48.93	-25.00	-23.93
7920.00	V	124	25	-68.23	15.63	54.40	-40.86	-25.00	-15.86
10560.00	V	-	-	-74.46	19.93	52.47	-42.79	-25.00	-17.79
13200.00	V	-	-	-75.52	24.37	55.85	-39.41	-25.00	-14.41
15840.00	V	-	-	-76.18	27.84	58.66	-36.59	-25.00	-11.59

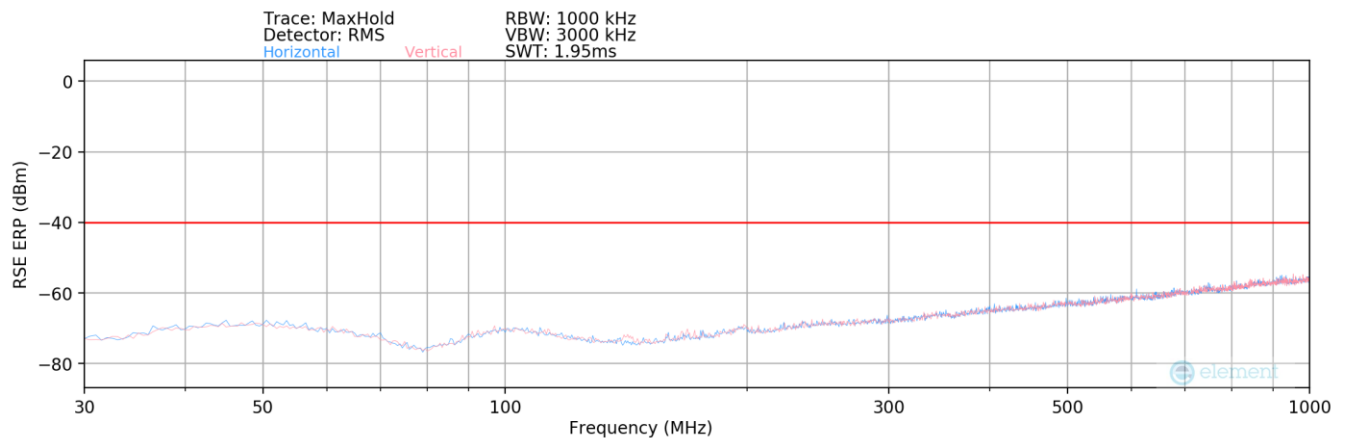
Table 7-49. Radiated Spurious Data (NR Band n41(PC2) – High Channel) – Default – Ant1

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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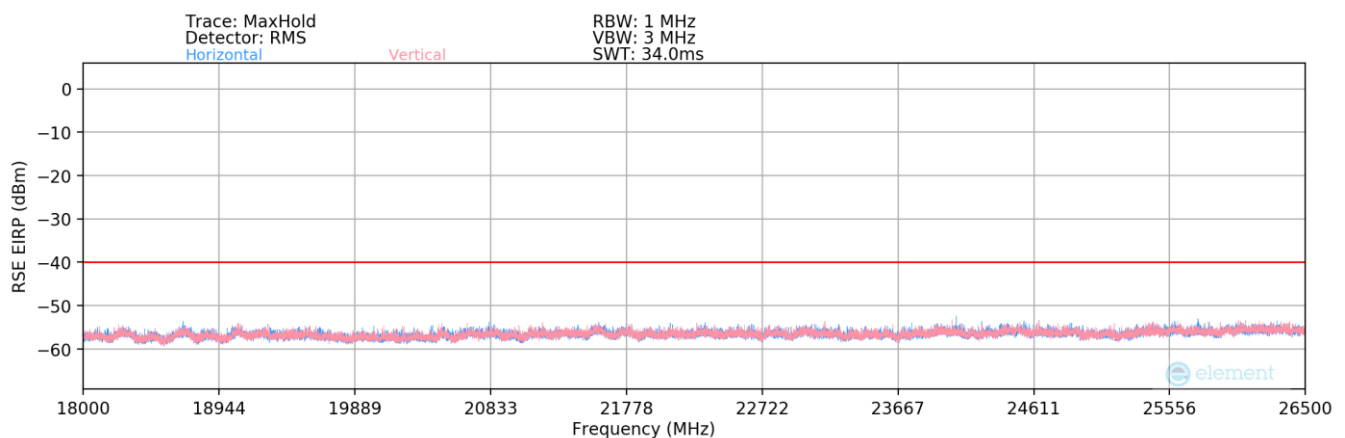
LTE Band 30 – Ant2



Plot 7-254. Radiated Spurious Plot (LTE Band 30) – Ant2



Plot 7-255. Radiated Spurious Plot (LTE Band 30) – Ant2



Plot 7-256. Radiated Spurious Plot (LTE Band 30) – Ant2

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1/25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
449.76	H	-	-	-81.23	23.79	49.56	-47.84	-40.00	-7.84
551.91	H	-	-	-79.20	25.67	53.47	-43.93	-40.00	-3.93

Table 7-50. Radiated Spurious Data (LTE Band 30) – Ant2

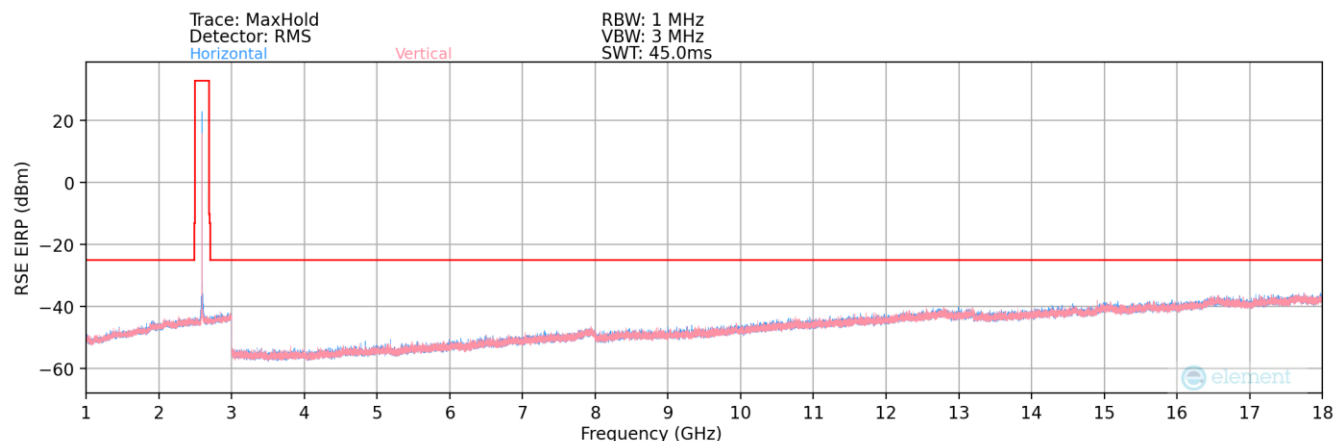
Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4620.00	H	183	307	-73.03	1.58	35.55	-59.71	-40.00	-19.71
6930.00	H	161	307	-75.37	5.53	37.16	-58.09	-40.00	-18.09
9240.00	H	183	316	-74.52	10.97	43.45	-51.80	-40.00	-11.80
11550.00	H	-	-	-78.35	11.14	39.79	-55.46	-40.00	-15.46
13860.00	H	-	-	-80.53	16.31	42.78	-52.48	-40.00	-12.48
16170.00	H	-	-	-80.14	14.03	40.89	-54.36	-40.00	-14.36
18480.00	H	-	-	-61.04	-3.45	42.51	-62.29	-40.00	-22.29
20790.00	H	-	-	-61.13	-3.23	42.64	-62.16	-40.00	-22.16

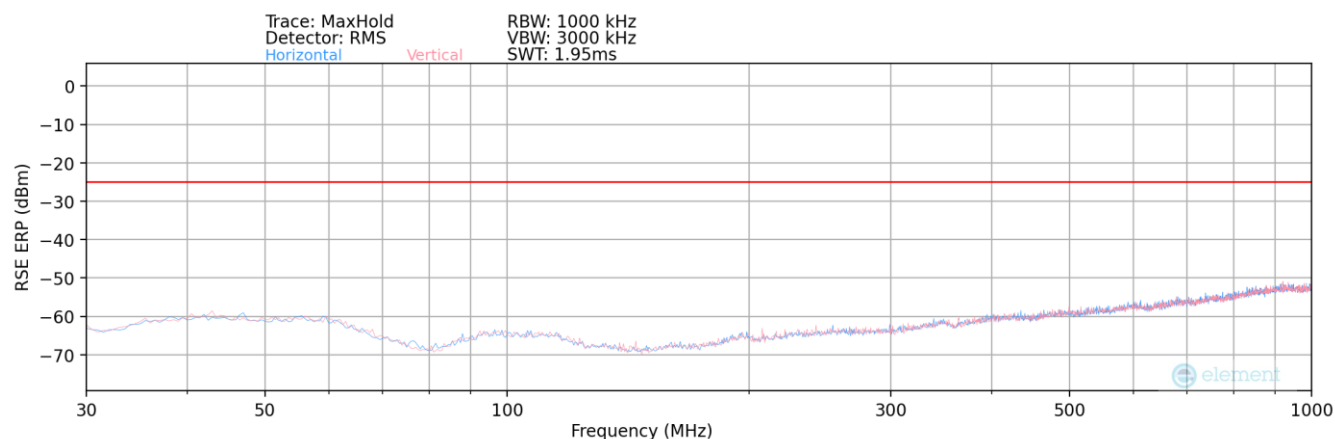
Table 7-51. Radiated Spurious Data (LTE Band 30 – Mid Channel) – Ant2

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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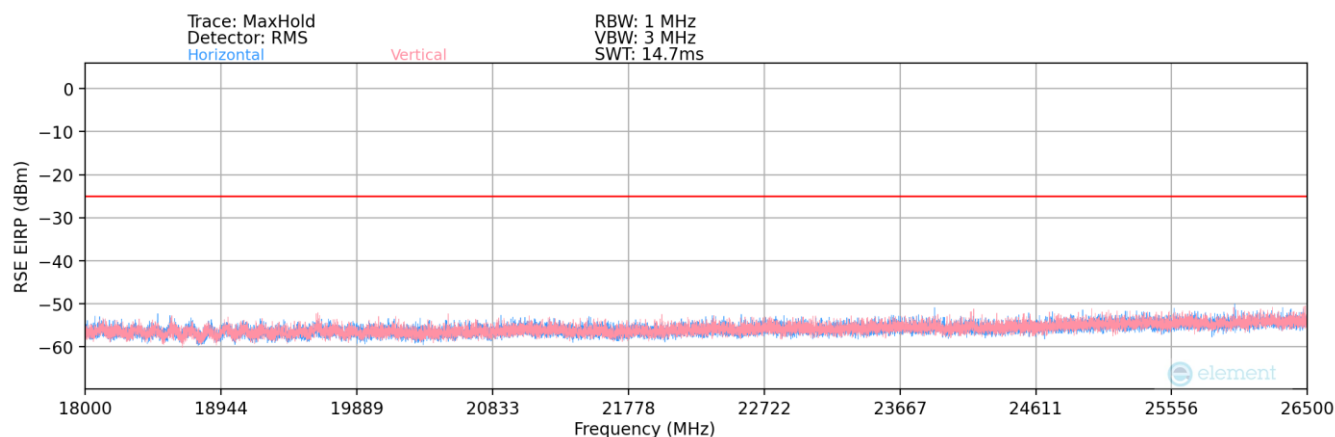
LTE Band 41/38(PC3)– Ant2



Plot 7-257. Radiated Spurious Plot (LTE Band 41/38(PC3)) – Ant2



Plot 7-258. Radiated Spurious Plot (LTE Band 41/38(PC3)) – Ant2



Plot 7-259. Radiated Spurious Plot (LTE Band 41/38(PC3)) – Ant2

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset	Page 192 of 204

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]
642.00	H	-	-	-86.30	-4.14	16.56	-80.85	-25.00	-55.85

Table 7-52. Radiated Spurious Data (LTE Band 41/38(PC3) – 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	165	347	-65.82	7.48	48.66	-46.60	-25.00	-21.60
7518.00	H	-	-	-70.93	12.92	48.99	-46.27	-25.00	-21.27
10024.00	H	-	-	-72.82	15.50	49.68	-45.58	-25.00	-20.58
12530.00	H	-	-	-73.68	19.48	52.80	-42.46	-25.00	-17.46

Table 7-53. Radiated Spurious Data (LTE Band 41/38(PC3) – 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	156	329	-64.55	7.20	49.65	-45.61	-25.00	-20.61
7779.00	H	149	331	-66.76	12.98	53.22	-42.04	-25.00	-17.04
10372.00	H	-	-	-72.87	16.51	50.64	-44.61	-25.00	-19.61
12965.00	H	-	-	-72.55	19.86	54.31	-40.94	-25.00	-15.94
15558.00	H	-	-	-73.72	23.57	56.85	-38.41	-25.00	-13.41

Table 7-54. Radiated Spurious Data (LTE Band 41/38(PC3) – Mid Channel) – Ant2

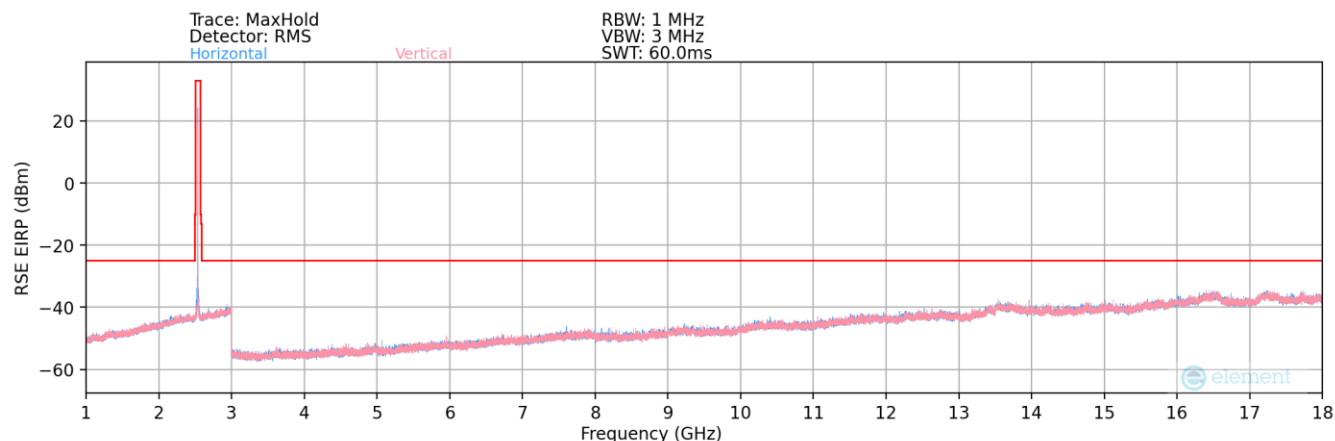
Bandwidth (MHz):	20
Frequency (MHz):	2680.0
RB / Offset:	1 / 50

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	171	354	-64.74	8.00	50.26	-45.00	-25.00	-20.00
8040.00	H	-	-	-70.75	13.16	49.41	-45.85	-25.00	-20.85
10720.00	H	-	-	-73.14	17.46	51.32	-43.94	-25.00	-18.94
13400.00	H	-	-	-73.42	20.69	54.27	-40.99	-25.00	-15.99

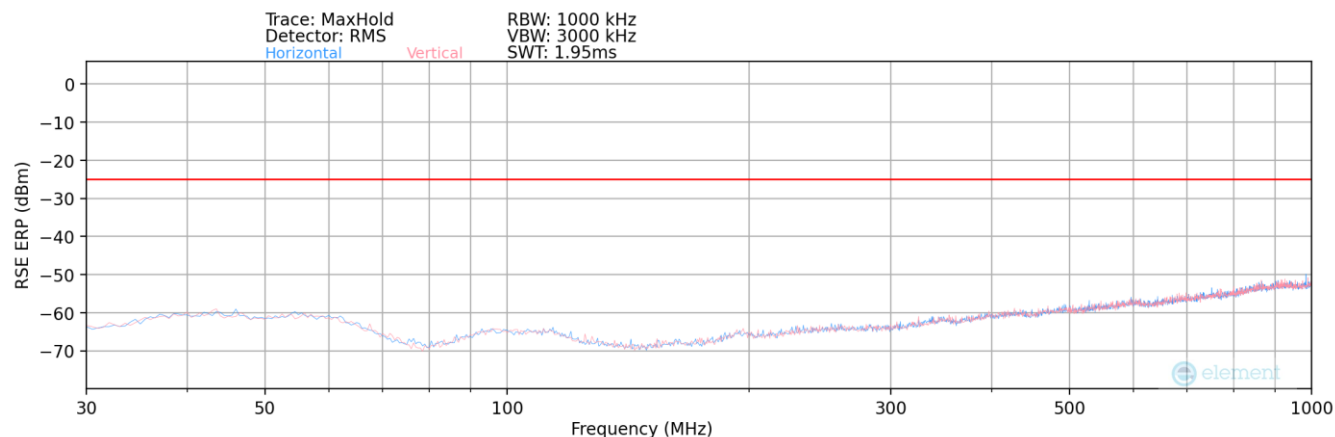
Table 7-55. Radiated Spurious Data (LTE Band 41/38(PC3) – High Channel) – Ant2

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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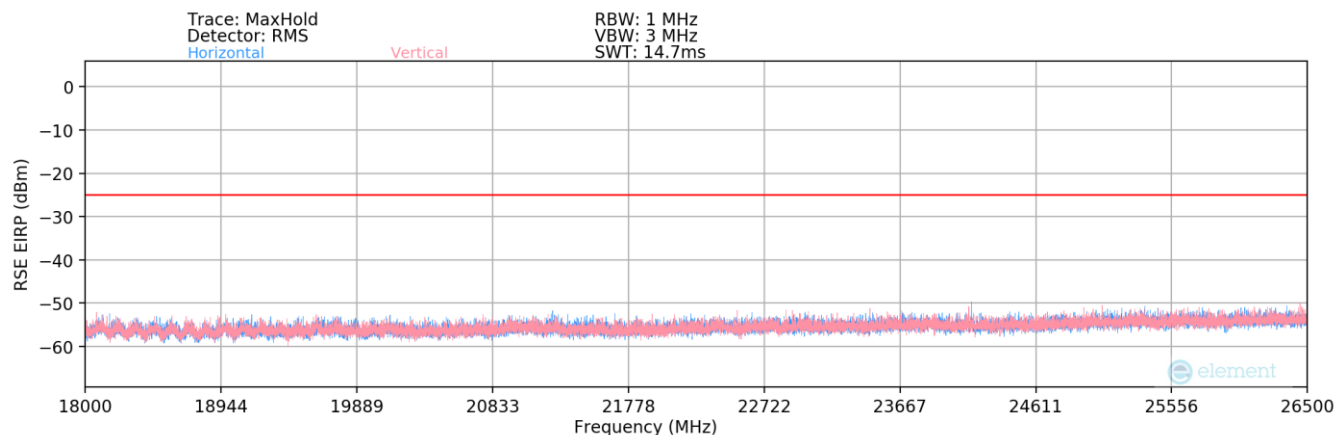
LTE Band 7 – Ant2



Plot 7-260. Radiated Spurious Plot (LTE Band 7) – Ant2



Plot 7-261. Radiated Spurious Plot (LTE Band 7) – Ant2



Plot 7-262. Radiated Spurious Plot (LTE Band 7) – Ant2

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Bandwidth (MHz):	20
Frequency (MHz):	2535.0
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]
520.00	H	-	-	-63.28	-6.35	37.37	-60.03	-25.00	-35.03

Table 7-56. Radiated Spurious Data (LTE Band 7) – Ant2

Bandwidth (MHz):	20
Frequency (MHz):	2510.0
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]
5020.00	H	163	299	-76.29	9.93	40.64	-54.62	-25.00	-29.62
7530.00	H	168	63	-80.26	15.50	42.24	-53.02	-25.00	-28.02
10040.00	H	-	-	-82.23	18.84	43.61	-51.65	-25.00	-26.65
12550.00	H	-	-	-83.58	23.35	46.77	-48.49	-25.00	-23.49
15060.00	H	-	-	-84.43	26.94	49.51	-45.75	-25.00	-20.75

Table 7-57. Radiated Spurious Data (LTE Band 7 – Low Channel) – Ant2

Bandwidth (MHz):	20
Frequency (MHz):	2535.0
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]
5070.00	H	112	1	-75.77	9.94	41.17	-54.09	-25.00	-29.09
7605.00	H	102	57	-78.39	15.55	44.16	-51.10	-25.00	-26.10
10140.00	H	-	-	-81.98	18.92	43.94	-51.31	-25.00	-26.31
12675.00	H	-	-	-83.96	23.72	46.76	-48.50	-25.00	-23.50
15210.00	H	-	-	-84.93	26.86	48.93	-46.33	-25.00	-21.33

Table 7-58. Radiated Spurious Data (LTE Band 7 – Mid Channel) – Ant2

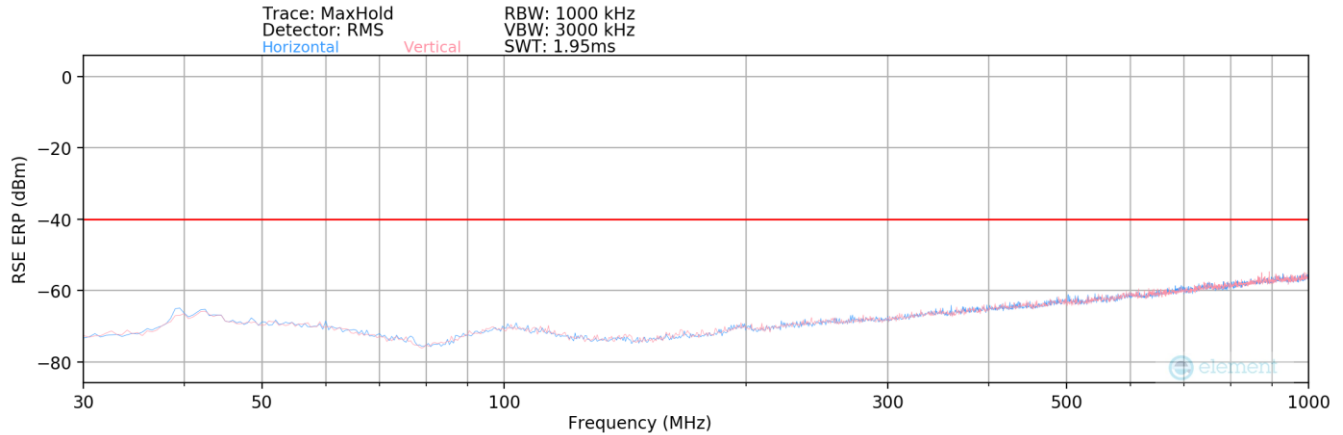
Bandwidth (MHz):	20
Frequency (MHz):	2560.0
RB / Offset:	1 / 50

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]
5120.00	H	167	57	-75.44	10.48	42.04	-53.22	-25.00	-28.22
7680.00	H	143	58	-77.07	15.62	45.55	-49.70	-25.00	-24.70
10240.00	H	-	-	-83.06	19.69	43.63	-51.63	-25.00	-26.63
12800.00	H	-	-	-84.07	24.03	46.96	-48.30	-25.00	-23.30
15360.00	H	-	-	-84.48	27.44	49.96	-45.30	-25.00	-20.30

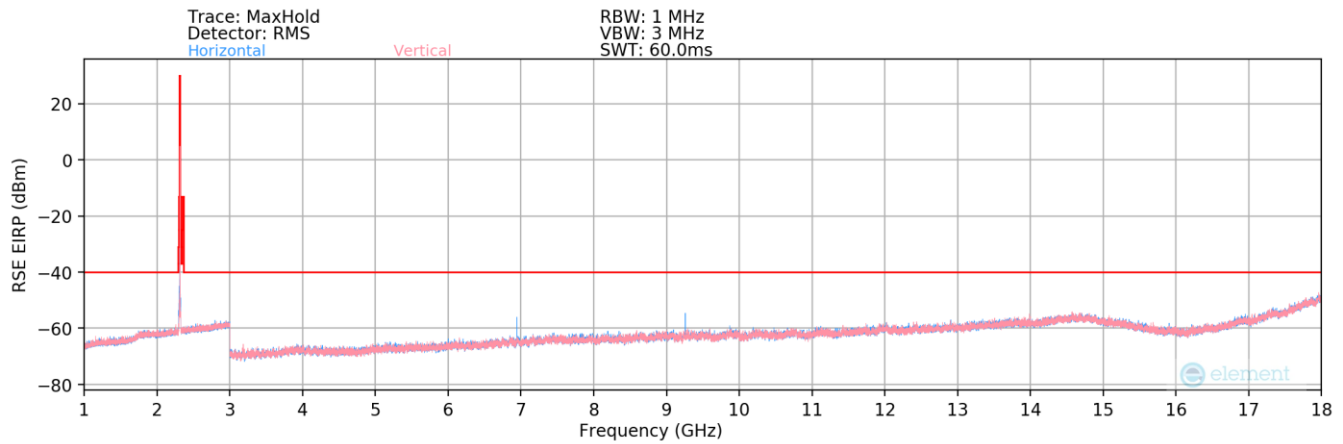
Table 7-59. Radiated Spurious Data (LTE Band 7 – High Channel) – Ant2

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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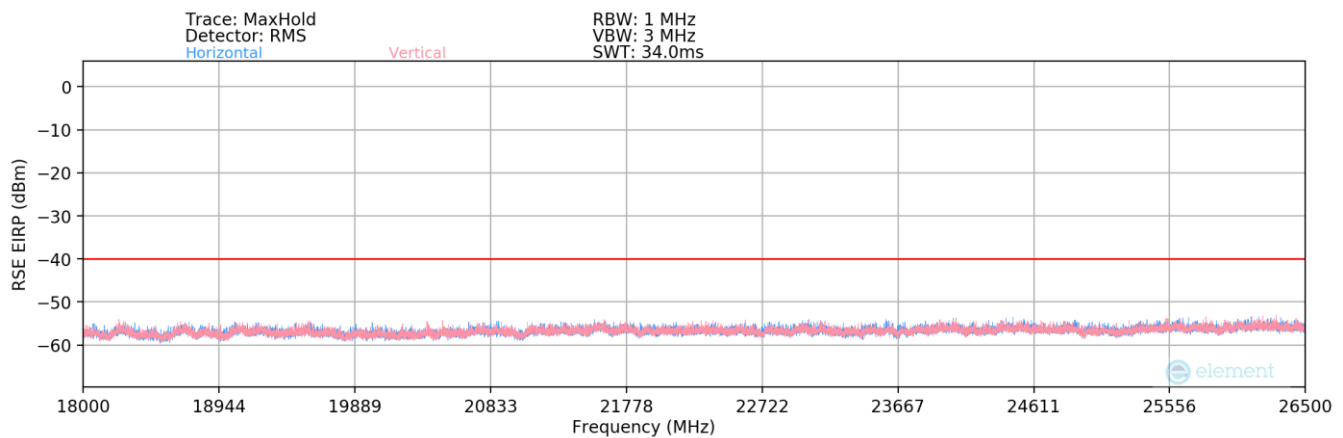
NR Band n30 – Ant2



Plot 7-263. Radiated Spurious Plot (NR Band n30) – Ant2



Plot 7-264. Radiated Spurious Plot (NR Band n30) – Ant2



Plot 7-265. Radiated Spurious Plot (NR Band n30) – Ant2

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
397.64	H	-	-	-80.67	23.06	49.39	-48.01	-40.00	-8.01
553.86	H	-	-	-79.45	25.68	53.23	-44.18	-40.00	-4.18

Table 7-60. Radiated Spurious Data (NR Band n30) – Ant2

Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 26

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4620.00	H	206	302	-73.25	1.58	35.33	-59.93	-40.00	-19.93
6930.00	H	151	346	-74.27	5.53	38.26	-56.99	-40.00	-16.99
9240.00	H	203	323	-72.18	10.97	45.79	-49.46	-40.00	-9.46
11550.00	H	-	-	-78.23	11.14	39.91	-55.34	-40.00	-15.34
13860.00	H	-	-	-80.31	16.31	43.00	-52.26	-40.00	-12.26
16170.00	H	-	-	-79.89	14.03	41.14	-54.11	-40.00	-14.11
18480.00	H	-	-	-61.02	-3.45	42.53	-62.27	-40.00	-22.27
20790.00	H	-	-	-61.06	-3.23	42.71	-62.09	-40.00	-22.09

Table 7-61. Radiated Spurious Data (NR Band n30 – Mid Channel) – Ant2

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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7.9 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

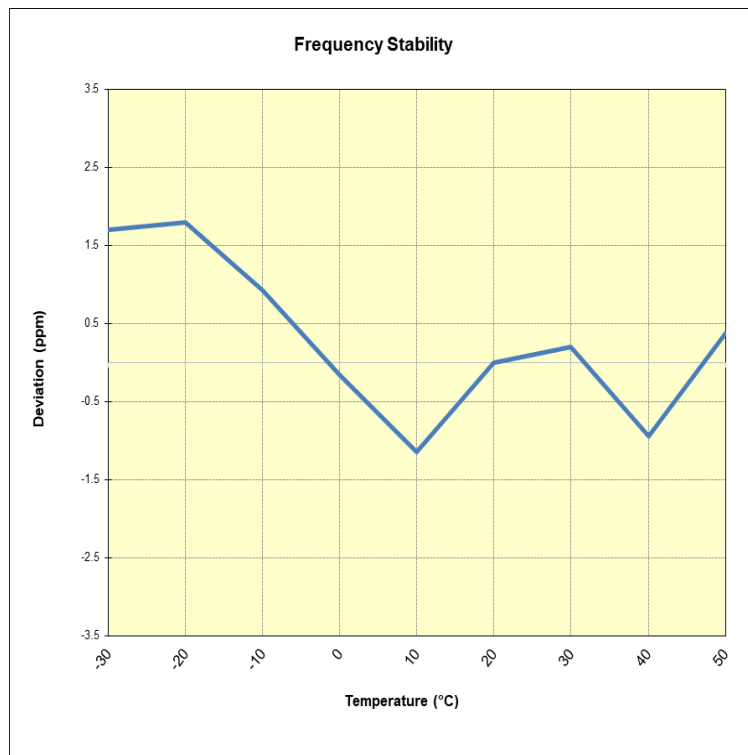
None

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 30

<table><tr><td>Operating Frequency (Hz):</td><td colspan="5">2,310,000,000</td></tr><tr><td>Ref. Voltage (VDC):</td><td colspan="5">4.446</td></tr></table>						Operating Frequency (Hz):	2,310,000,000					Ref. Voltage (VDC):	4.446				
Operating Frequency (Hz):	2,310,000,000																
Ref. Voltage (VDC):	4.446																
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)												
100 %	4.446	- 30	2,310,002,892	3,946	0.0001708												
		- 20	2,310,003,102	4,156	0.0001799												
		- 10	2,310,001,095	2,149	0.0000930												
		0	2,309,998,581	-365	-0.0000158												
		+ 10	2,309,996,298	-2,648	-0.0001146												
		+ 20 (Ref)	2,309,998,946	0	0.0000000												
		+ 30	2,309,999,409	463	0.0000200												
		+ 40	2,309,996,778	-2,168	-0.0000939												
		+ 50	2,309,999,815	869	0.0000376												
Battery Endpoint	3.648	+ 20	2,309,999,664	718	0.0000311												

Table 7-62. LTE Band 30 Frequency Stability Data



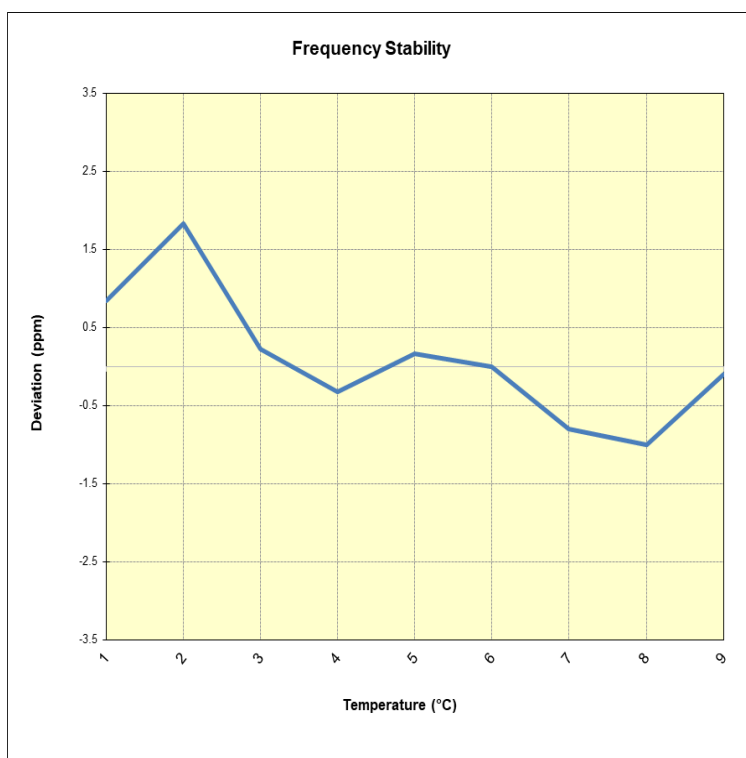
Plot 7-266. LTE Band 30 Frequency Stability Chart

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 7

<table><tr><td>Operating Frequency (Hz):</td><td colspan="5">2,535,000,000</td></tr><tr><td>Ref. Voltage (VDC):</td><td colspan="5">4.446</td></tr></table>						Operating Frequency (Hz):	2,535,000,000					Ref. Voltage (VDC):	4.446				
Operating Frequency (Hz):	2,535,000,000																
Ref. Voltage (VDC):	4.446																
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)												
100 %	4.446	- 30	2,535,081,521	2,143	0.0000845												
		- 20	2,535,084,028	4,650	0.0001834												
		- 10	2,535,079,962	584	0.0000230												
		0	2,535,078,566	-812	-0.0000320												
		+ 10	2,535,079,813	435	0.0000172												
		+ 20 (Ref)	2,535,079,378	0	0.0000000												
		+ 30	2,535,077,347	-2,031	-0.0000801												
		+ 40	2,535,076,852	-2,526	-0.0000996												
		+ 50	2,535,079,133	-245	-0.0000097												
Battery Endpoint	3.648	+ 20	2,535,082,180	2,802	0.0001105												

Table 7-63. LTE Band 7 Frequency Stability Data



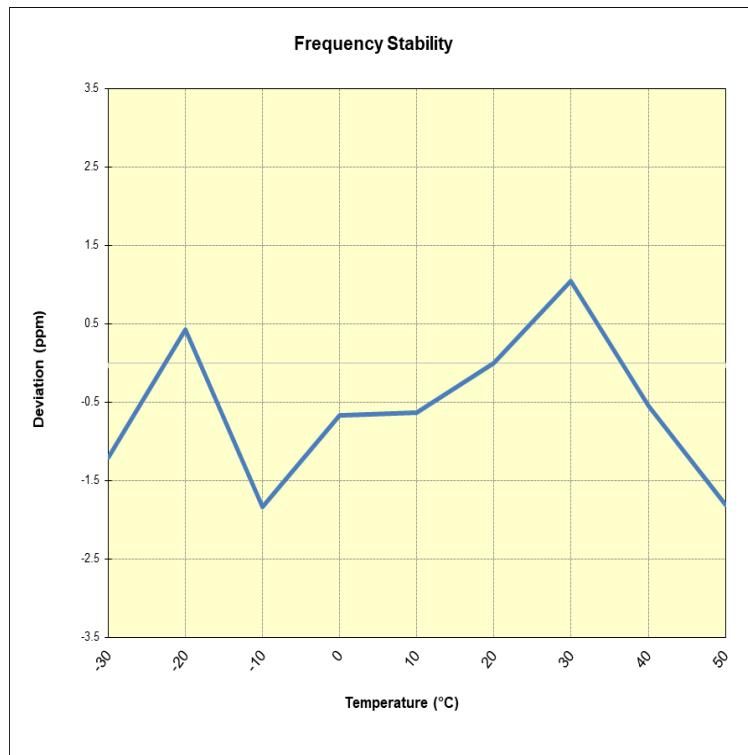
Plot 7-267. LTE Band 7 Frequency Stability Chart

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 41/38

<table><tr><td>Operating Frequency (Hz):</td><td colspan="5">2,593,000,000</td></tr><tr><td>Ref. Voltage (VDC):</td><td colspan="5">4.446</td></tr></table>						Operating Frequency (Hz):	2,593,000,000					Ref. Voltage (VDC):	4.446				
Operating Frequency (Hz):	2,593,000,000																
Ref. Voltage (VDC):	4.446																
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)												
100 %	4.446	- 30	2,593,078,664	-3,114	-0.0001201												
		- 20	2,593,082,900	1,122	0.0000433												
		- 10	2,593,077,039	-4,739	-0.0001828												
		0	2,593,080,041	-1,737	-0.0000670												
		+ 10	2,593,080,129	-1,649	-0.0000636												
		+ 20 (Ref)	2,593,081,778	0	0.0000000												
		+ 30	2,593,084,500	2,722	0.0001050												
		+ 40	2,593,080,374	-1,404	-0.0000541												
		+ 50	2,593,077,091	-4,687	-0.0001808												
Battery Endpoint	3.648	+ 20	2,593,084,425	2,647	0.0001021												

Table 7-64. LTE Band 41/38(PC3) Frequency Stability Data



Plot 7-268. LTE Band 41/38(PC3) Frequency Stability Chart

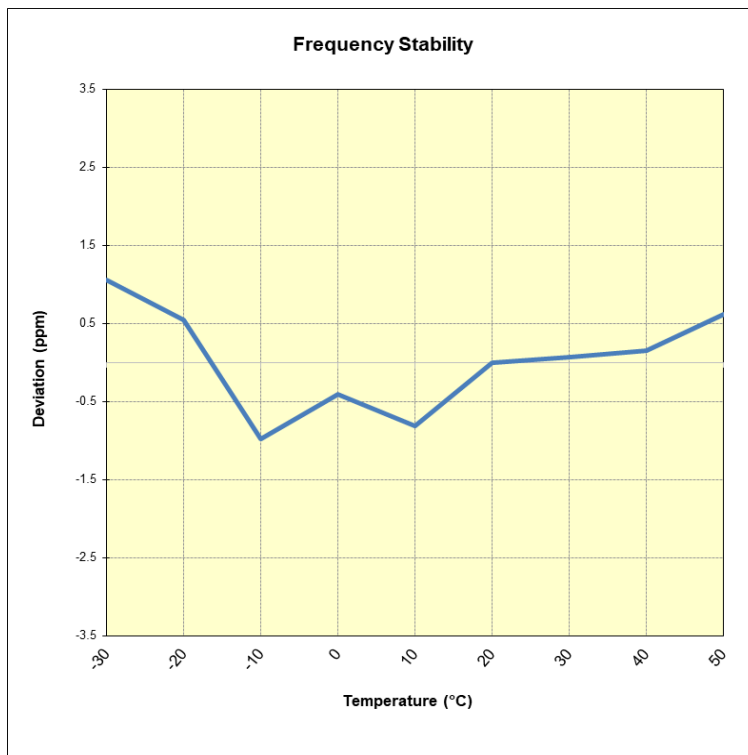
FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n30

Operating Frequency (Hz):	2,310,000,000
Ref. Voltage (VDC):	4.446

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.446	- 30	2,310,001,296	2,443	0.0001058
		- 20	2,310,000,116	1,263	0.0000547
		- 10	2,309,996,595	-2,258	-0.0000977
		0	2,309,997,915	-938	-0.0000406
		+ 10	2,309,996,984	-1,869	-0.0000809
		+ 20 (Ref)	2,309,998,853	0	0.0000000
		+ 30	2,309,999,012	159	0.0000069
		+ 40	2,309,999,224	371	0.0000161
		+ 50	2,310,000,285	1,432	0.0000620
attery Endpoi	3.648	+ 20	2,309,999,689	836	0.0000362

Table 7-65. NR Band n30 Frequency Stability Data



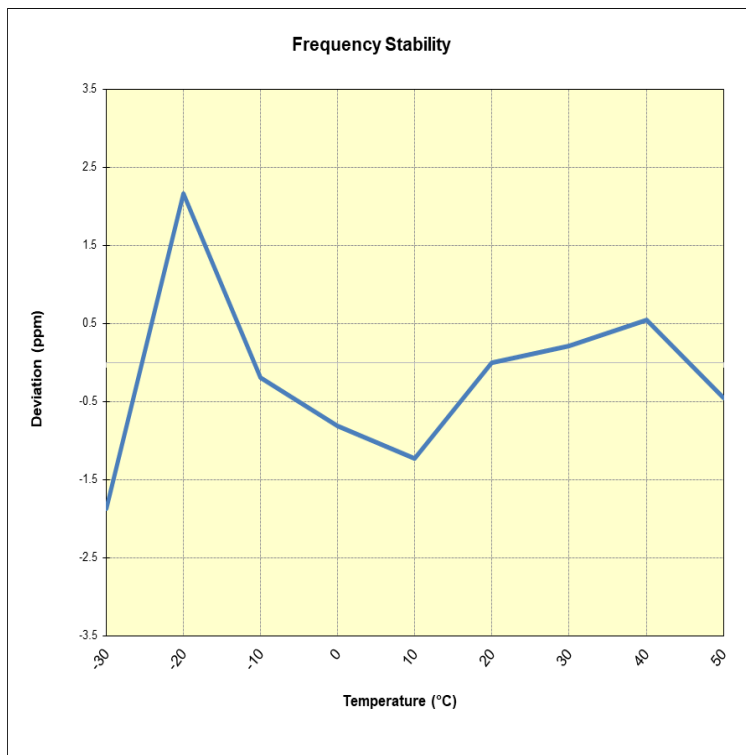
Plot 7-269. NR Band n30 Frequency Stability Chart

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n41

<table><tr><td>Operating Frequency (Hz):</td><td colspan="5">2,593,000,000</td></tr><tr><td>Ref. Voltage (VDC):</td><td colspan="5">4.446</td></tr></table>						Operating Frequency (Hz):	2,593,000,000					Ref. Voltage (VDC):	4.446				
Operating Frequency (Hz):	2,593,000,000																
Ref. Voltage (VDC):	4.446																
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)												
100 %	4.446	- 30	2,593,157,100	-4,858	-0.0001873												
		- 20	2,593,167,585	5,627	0.0002170												
		- 10	2,593,161,453	-505	-0.0000195												
		0	2,593,159,868	-2,090	-0.0000806												
		+ 10	2,593,158,768	-3,190	-0.0001230												
		+ 20 (Ref)	2,593,161,958	0	0.0000000												
		+ 30	2,593,162,528	570	0.0000220												
		+ 40	2,593,163,370	1,412	0.0000545												
		+ 50	2,593,160,776	-1,182	-0.0000456												
Battery Endpoint	3.648	+ 20	2,593,159,257	-2,701	-0.0001042												

Table 7-66. NR Band n41 Frequency Stability Data



Plot 7-270. NR Band n41 Frequency Stability Chart

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		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: A3LSMA576U** and **IC: 649E-SMA576W** complies with all the requirements of Part 27 of the FCC rules and RSS-195 and RSS-199 of the ISED regulations.

- END OF TEST REPORT -

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset	Page 204 of 204