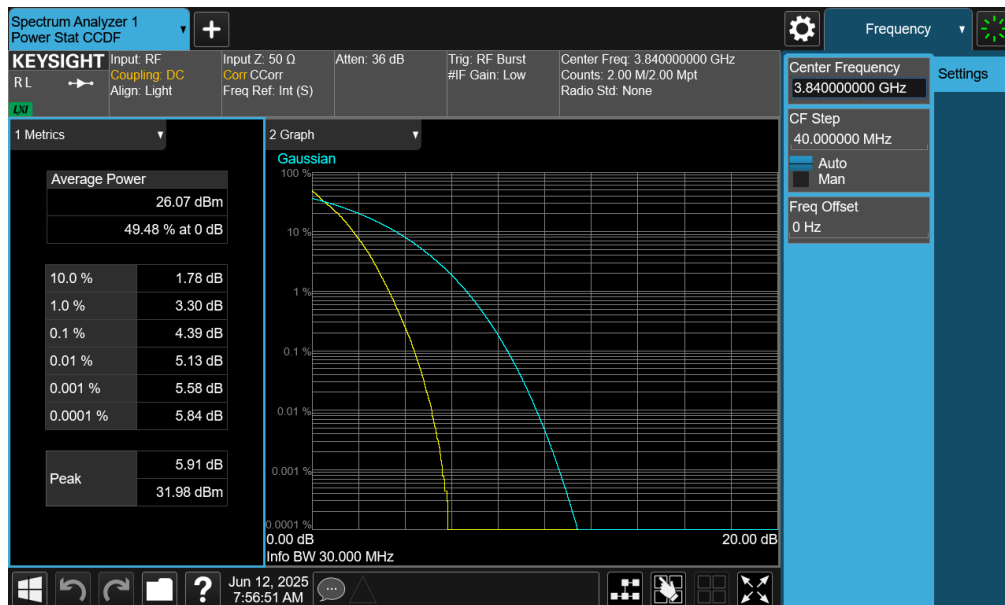


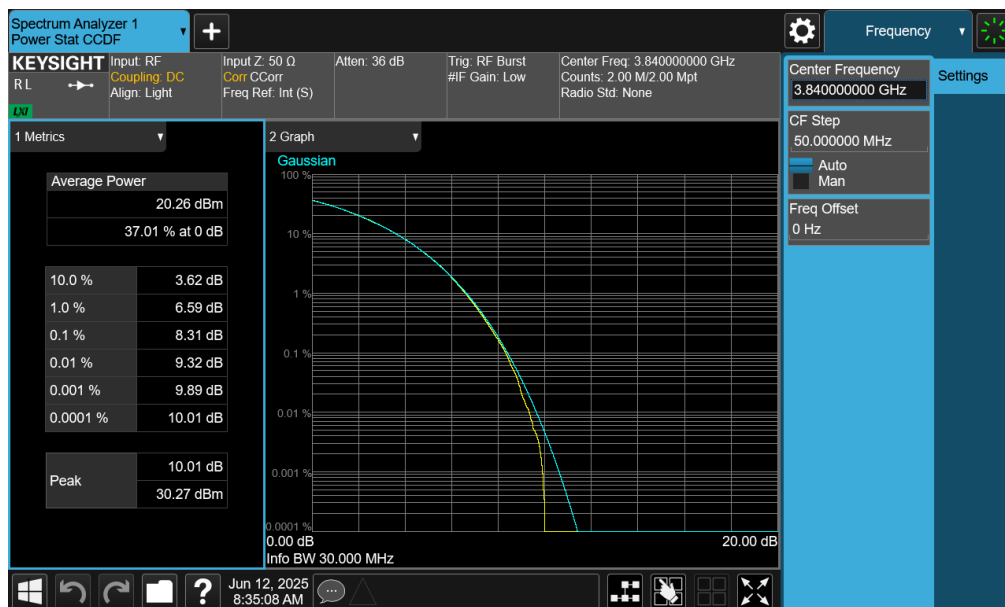
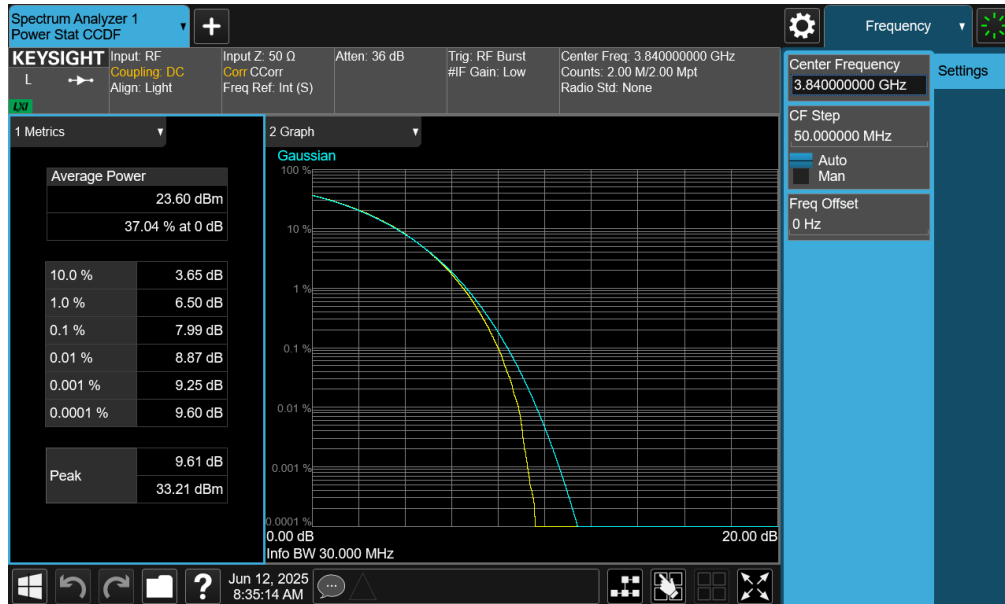


Plot 7-264. PAR Plot (NR Band n77 - 40MHz CP-OFDM 256-QAM - Full RB - Ant1)

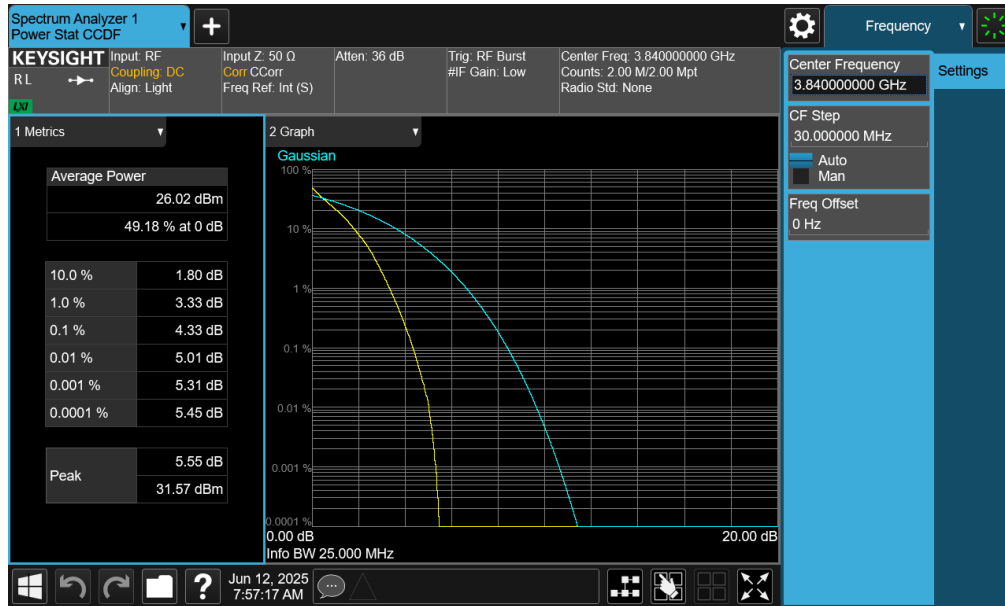


Plot 7-265. PAR Plot (NR Band n77 - 30MHz DFT-s-OFDM BPSK - Full RB - Ant1)

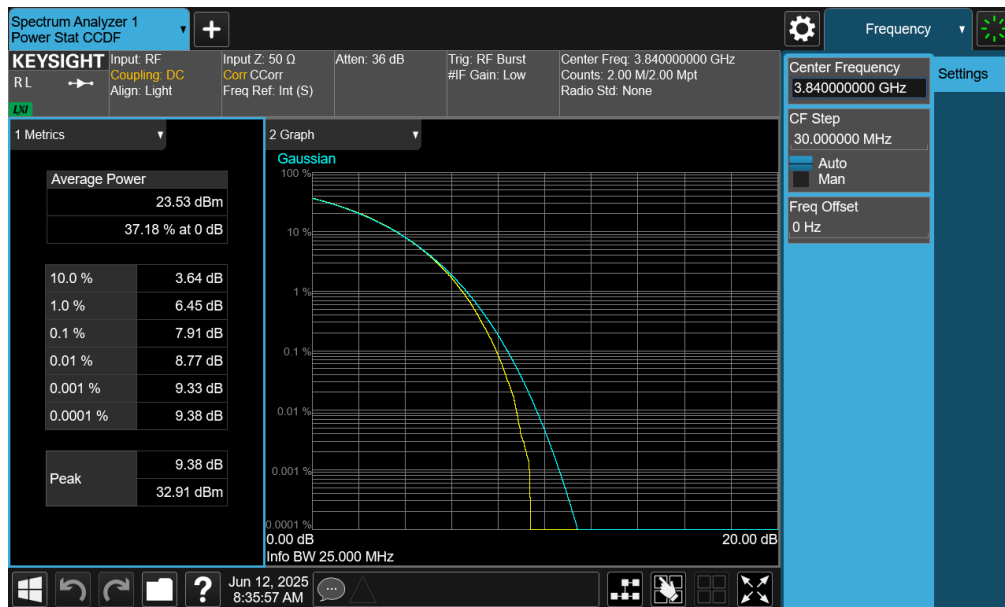
FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-268. PAR Plot (NR Band n77 - 25MHz DFT-s-OFDM BPSK - Full RB - Ant1)

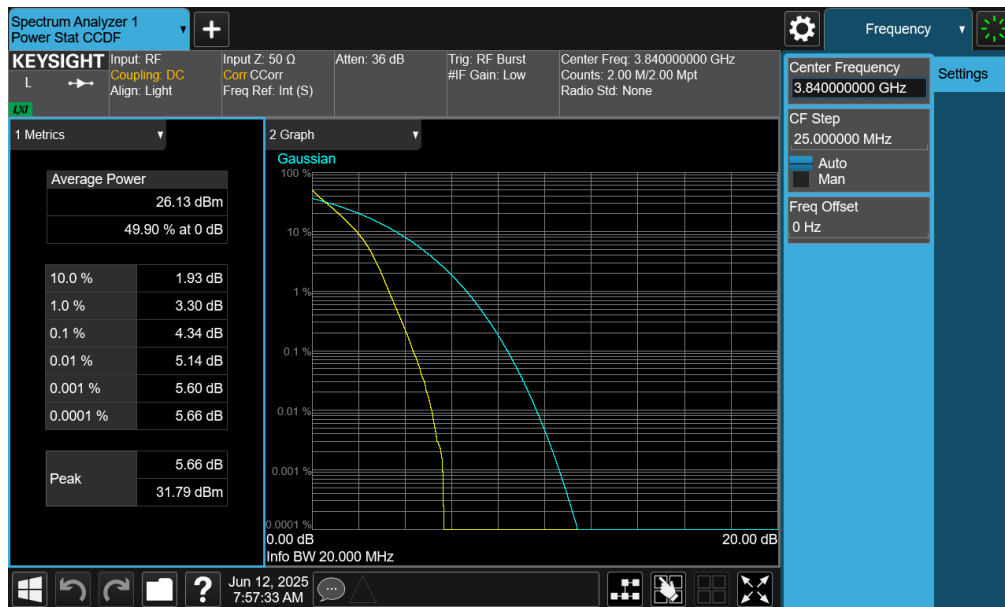


Plot 7-269. PAR Plot (NR Band n77 - 25MHz CP-OFDM QPSK - Full RB - Ant1)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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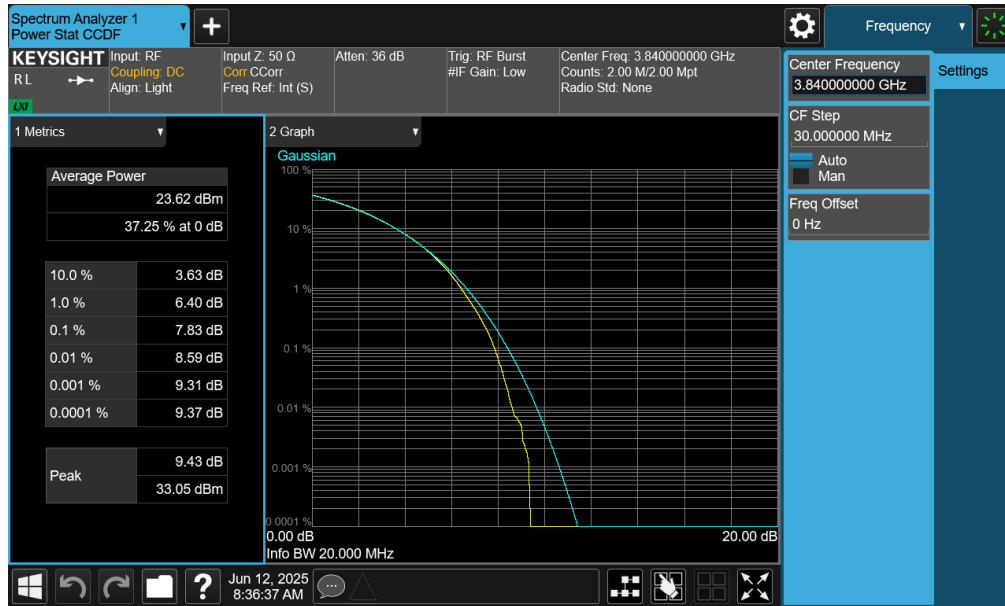


Plot 7-270. PAR Plot (NR Band n77 - 25MHz CP-OFDM 256-QAM - Full RB - Ant1)



Plot 7-271. PAR Plot (NR Band n77 - 20MHz DFT-s-OFDM BPSK - Full RB - Ant1)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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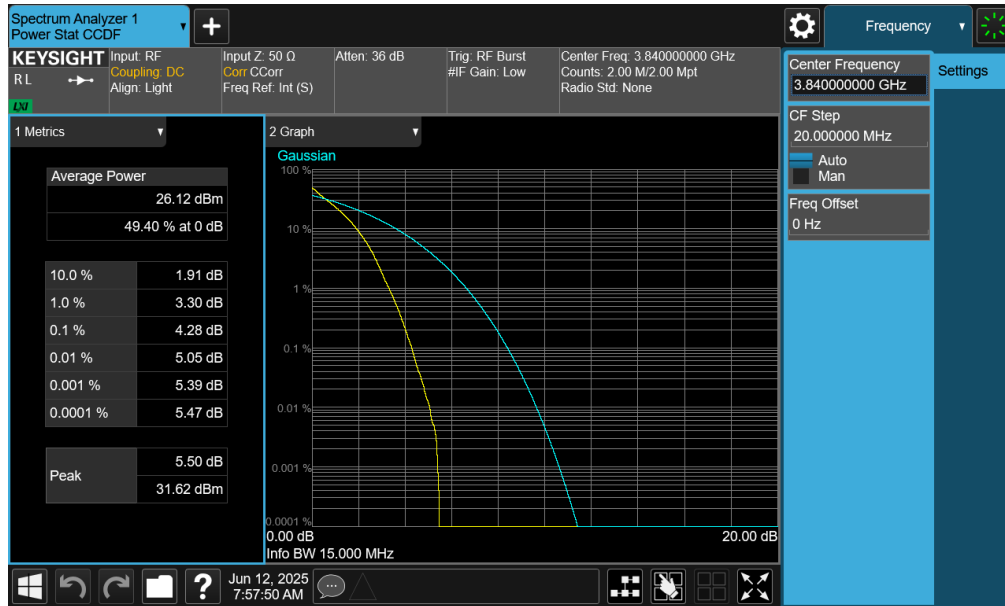


Plot 7-272. PAR Plot (NR Band n77 - 20MHz CP-OFDM QPSK - Full RB - Ant1)

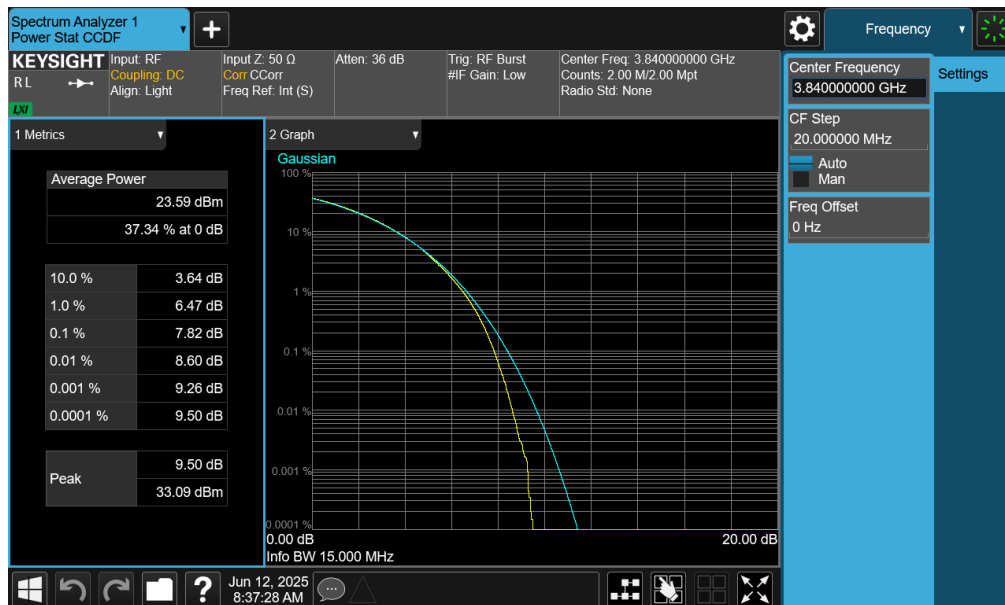


Plot 7-273. PAR Plot (NR Band n77 - 20MHz CP-OFDM 256-QAM - Full RB - Ant1)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130050-05.A3L	Test Dates: 6/3/2025 - 7/18/2025	EUT Type: Portable Tablet	Page 168 of 208



Plot 7-274. PAR Plot (NR Band n77 - 15MHz DFT-s-OFDM BPSK - Full RB - Ant1)

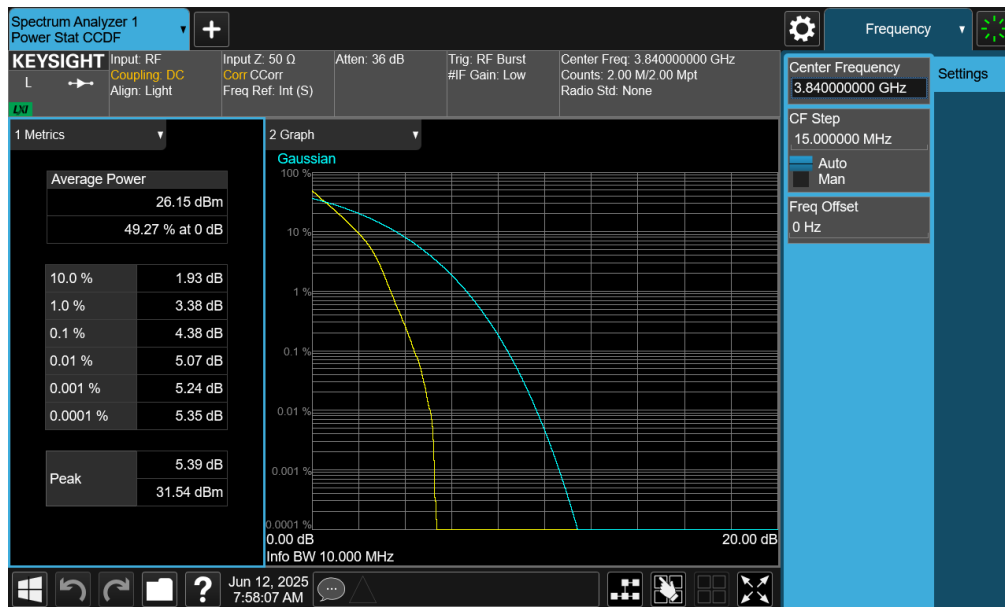


Plot 7-275. PAR Plot (NR Band n77 - 15MHz CP-OFDM QPSK - Full RB - Ant1)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130050-05.A3L	Test Dates: 6/3/2025 - 7/18/2025	EUT Type: Portable Tablet	Page 169 of 208

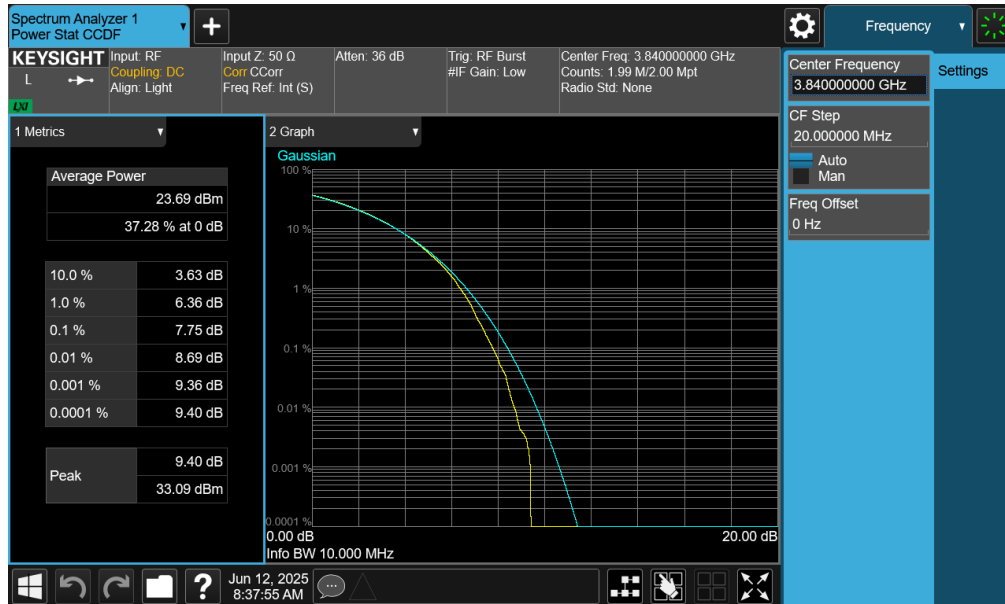


Plot 7-276. PAR Plot (NR Band n77 - 15MHz CP-OFDM 256-QAM - Full RB - Ant1)

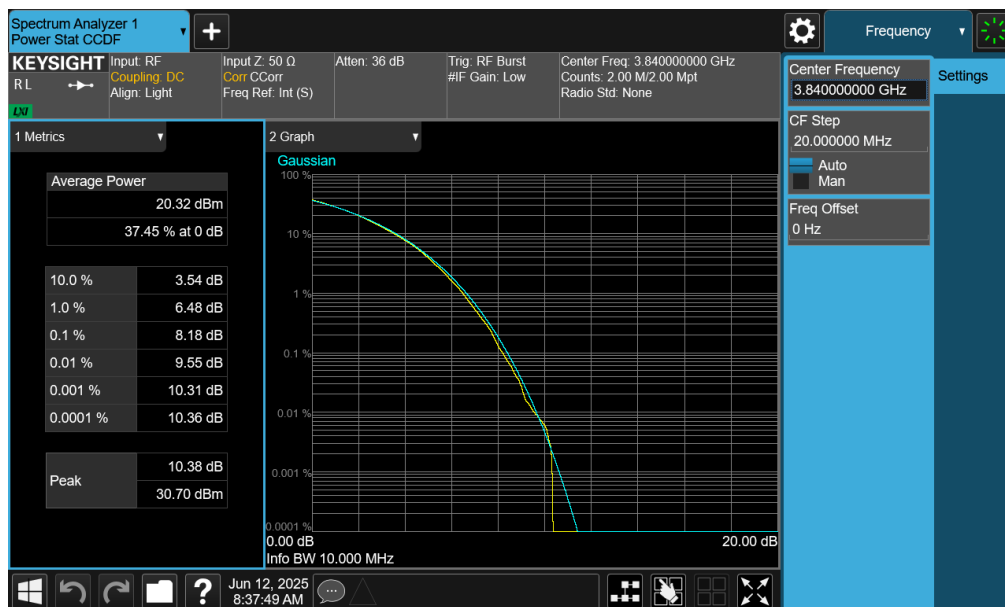


Plot 7-277. PAR Plot (NR Band n77 - 10MHz DFT-s-OFDM BPSK - Full RB - Ant1)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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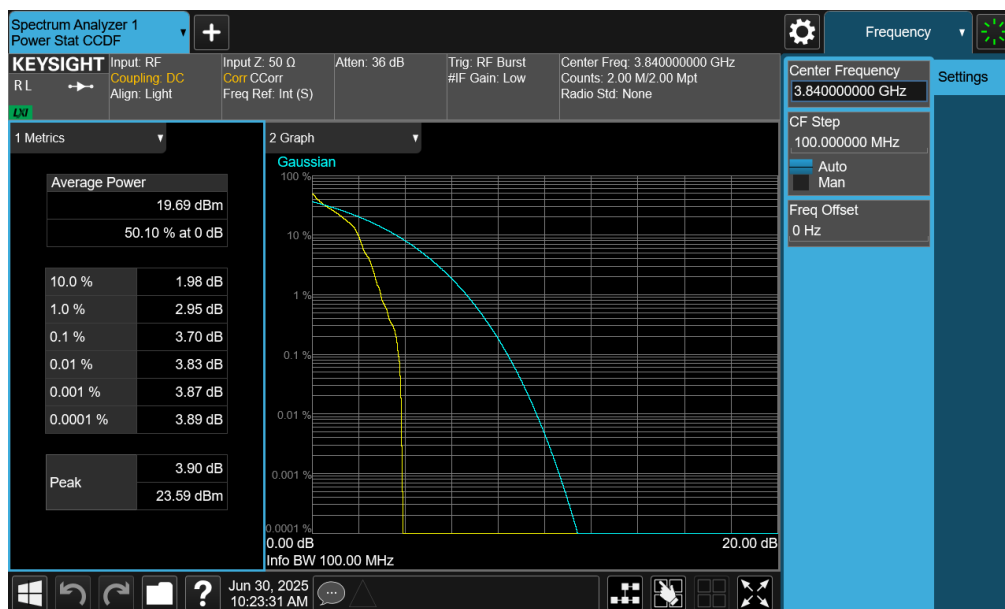
Plot 7-278. PAR Plot (NR Band n77 - 10MHz CP-OFDM QPSK - Full RB - Ant1)



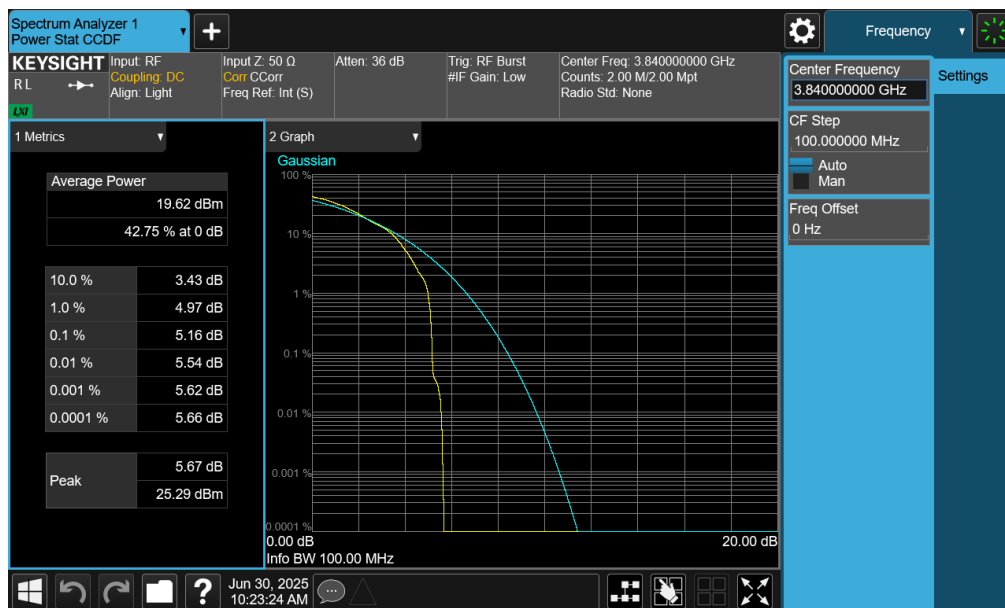
Plot 7-279. PAR Plot (NR Band n77 - 10MHz CP-OFDM 256-QAM - Full RB - Ant1)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n77 – Ant2



Plot 7-280. PAR Plot (NR Band n77 - 100MHz DFT-s-OFDM BPSK - 1 RB - Ant2)



Plot 7-281. PAR Plot (NR Band n77 - 100MHz CP-OFDM QPSK - 1 RB - Ant2)

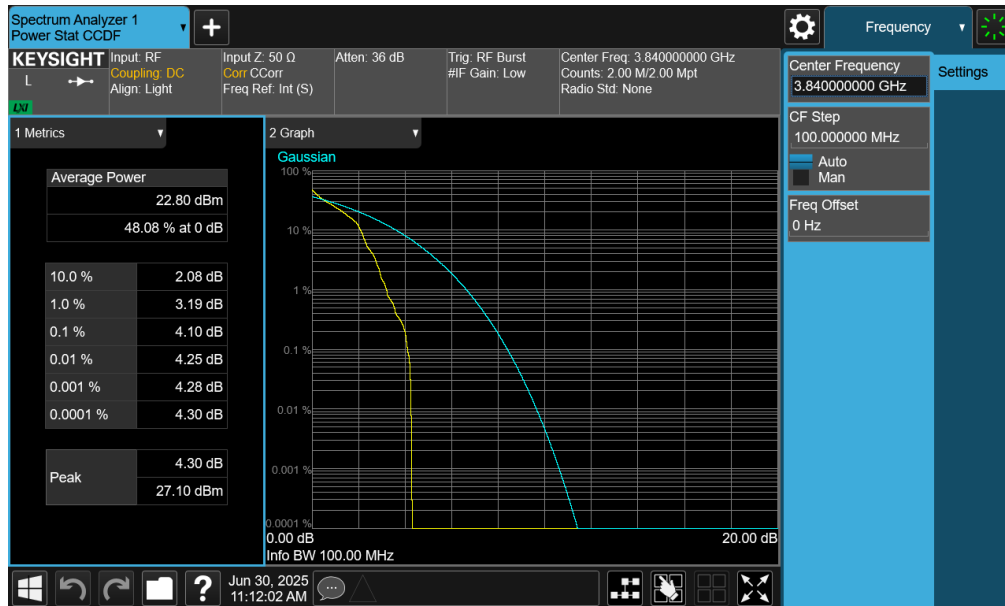
FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130050-05.A3L	Test Dates: 6/3/2025 - 7/18/2025	EUT Type: Portable Tablet	Page 172 of 208



Plot 7-282. PAR Plot (NR Band n77 - 100MHz CP-OFDM 256-QAM - 1 RB - Ant2)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n77 – Ant3



Plot 7-283. PAR Plot (NR Band n77 - 100MHz DFT-s-OFDM BPSK - 1 RB - Ant3)



Plot 7-284. PAR Plot (NR Band n77 - 100MHz CP-OFDM QPSK - 1 RB - Ant3)

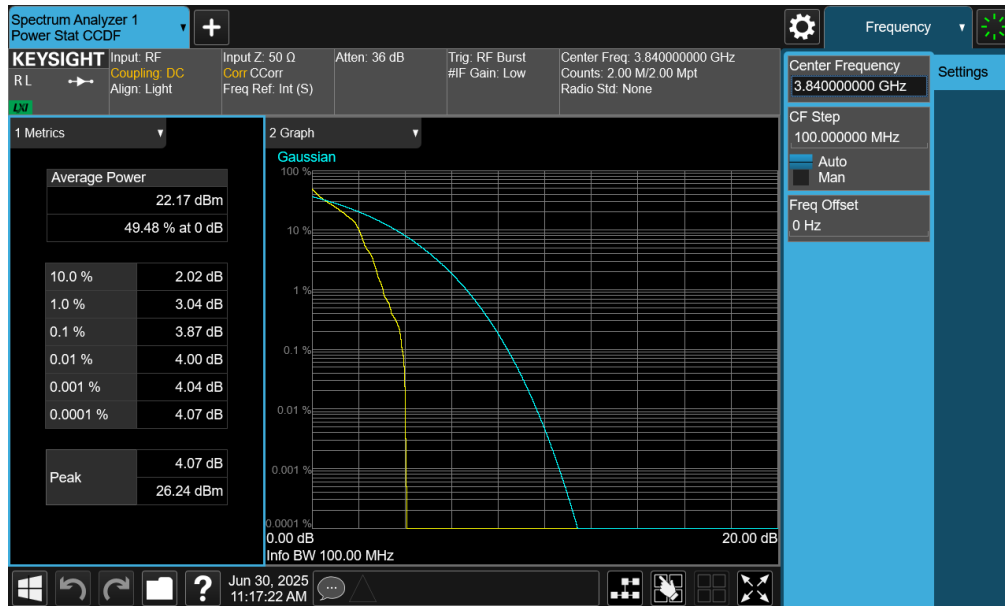
FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130050-05.A3L	Test Dates: 6/3/2025 - 7/18/2025	EUT Type: Portable Tablet	Page 174 of 208



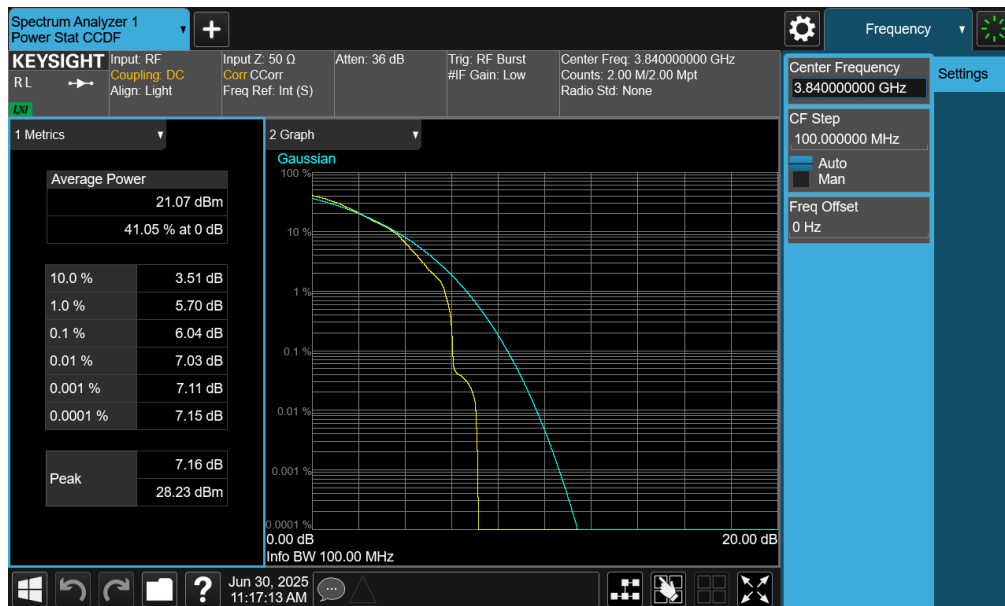
Plot 7-285. PAR Plot (NR Band n77 - 100MHz CP-OFDM 256-QAM - 1 RB - Ant3)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n77 – Ant4

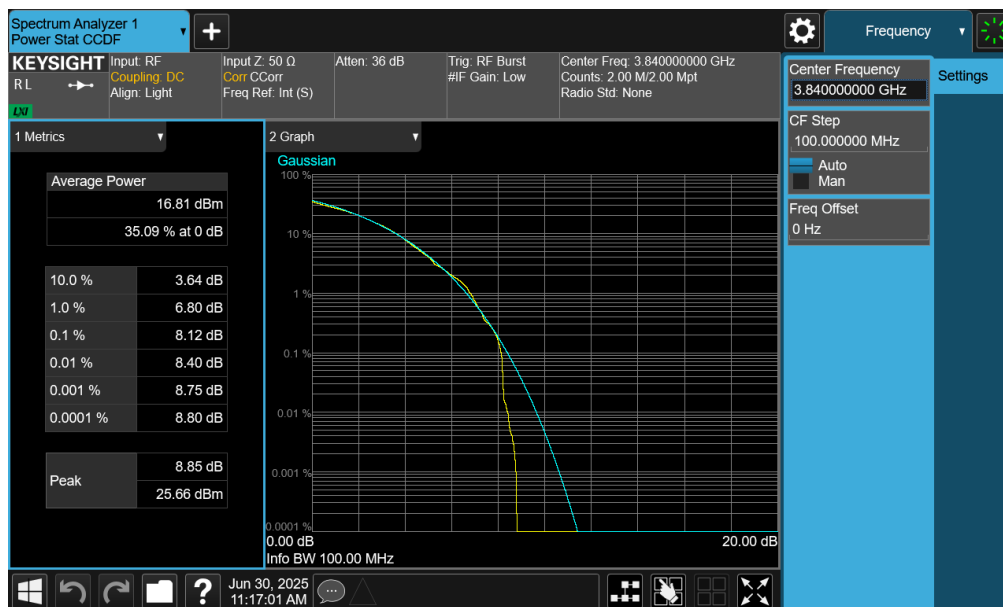


Plot 7-286. PAR Plot (NR Band n77 - 100MHz DFT-s-OFDM BPSK - 1 RB - Ant4)



Plot 7-287. PAR Plot (NR Band n77 - 100MHz CP-OFDM QPSK - 1 RB - Ant4)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-288. PAR Plot (NR Band n77 - 100MHz CP-OFDM 256-QAM - 1 RB - Ant4)

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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.

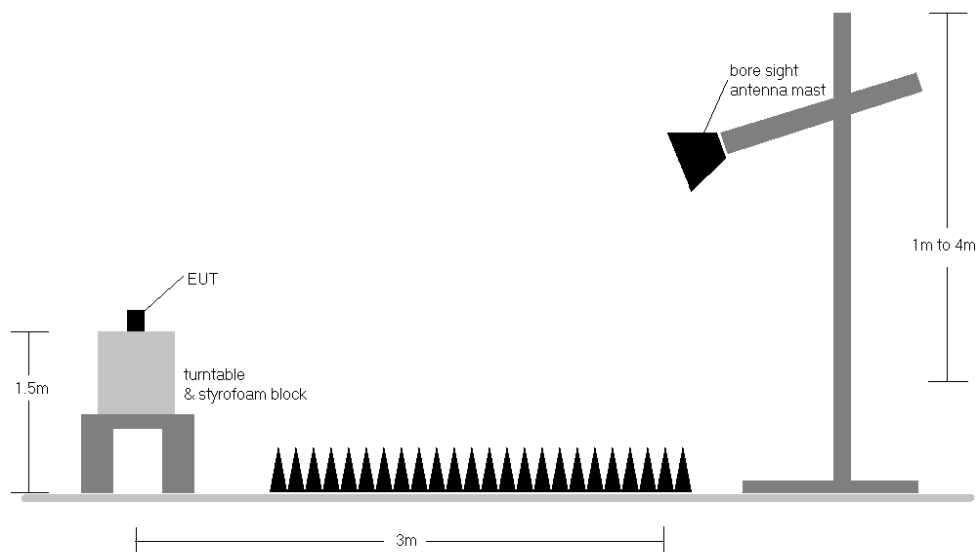


Figure 7-6. Radiated Test Setup >1GHz

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.

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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	3500.01	H	112	338	6.46	1 / 136	20.51	26.97	0.498	30.00	-3.03
	QPSK	3500.01	H	112	338	6.46	1 / 136	20.58	27.04	0.506	30.00	-2.96
	16-QAM	3500.01	H	112	338	6.46	1 / 136	19.84	26.30	0.427	30.00	-3.70
90 MHz	11/2 BPSK	3495.00	H	112	338	6.46	1 / 122	20.50	26.96	0.497	30.00	-3.04
	11/2 BPSK	3500.01	H	112	338	6.46	1 / 243	20.47	26.93	0.493	30.00	-3.07
	11/2 BPSK	3504.99	H	112	338	6.47	1 / 122	20.64	27.11	0.514	30.00	-2.89
	QPSK	3495.00	H	112	338	6.46	1 / 122	20.73	27.19	0.524	30.00	-2.81
	QPSK	3500.01	H	112	338	6.46	1 / 122	20.75	27.22	0.527	30.00	-2.78
	QPSK	3504.99	H	112	338	6.47	1 / 122	20.67	27.14	0.517	30.00	-2.86
80 MHz	16-QAM	3495.00	H	112	338	6.46	1 / 122	19.88	26.34	0.431	30.00	-3.66
	16-QAM	3500.01	H	112	338	6.46	1 / 122	19.75	26.22	0.419	30.00	-3.78
	16-QAM	3504.99	H	112	338	6.47	1 / 122	19.90	26.37	0.434	30.00	-3.63
	11/2 BPSK	3490.02	H	112	338	6.45	1 / 108	20.62	27.28	0.534	30.00	-2.72
	11/2 BPSK	3500.01	H	112	338	6.46	1 / 108	20.63	27.09	0.512	30.00	-2.91
	11/2 BPSK	3510.00	H	112	338	6.47	1 / 108	20.76	27.23	0.529	30.00	-2.77
70 MHz	QPSK	3490.02	H	112	338	6.45	1 / 215	20.45	26.90	0.490	30.00	-3.10
	QPSK	3500.01	H	112	338	6.46	1 / 108	20.35	26.82	0.481	30.00	-3.18
	QPSK	3510.00	H	112	338	6.47	1 / 108	20.36	26.83	0.482	30.00	-3.17
	16-QAM	3490.02	H	112	338	6.45	1 / 108	20.19	26.64	0.461	30.00	-3.36
	16-QAM	3500.01	H	112	338	6.46	1 / 108	20.06	26.53	0.450	30.00	-3.47
	16-QAM	3510.00	H	112	338	6.47	1 / 108	20.05	26.52	0.449	30.00	-3.48
60 MHz	11/2 BPSK	3485.01	H	112	338	6.45	1 / 94	20.39	26.84	0.483	30.00	-3.16
	11/2 BPSK	3500.01	H	112	338	6.46	1 / 94	20.39	26.85	0.484	30.00	-3.15
	11/2 BPSK	3514.98	H	112	338	6.47	1 / 94	20.49	26.96	0.497	30.00	-3.04
	QPSK	3485.01	H	112	338	6.45	1 / 187	20.60	27.05	0.507	30.00	-2.95
	QPSK	3500.01	H	112	338	6.46	1 / 94	20.71	27.17	0.521	30.00	-2.83
	QPSK	3514.98	H	112	338	6.47	1 / 187	20.70	27.17	0.521	30.00	-2.83
50 MHz	16-QAM	3485.01	H	112	338	6.45	1 / 94	19.58	26.03	0.401	30.00	-3.97
	16-QAM	3500.01	H	112	338	6.46	1 / 94	19.71	26.17	0.414	30.00	-3.83
	16-QAM	3514.98	H	112	338	6.47	1 / 94	19.81	26.29	0.425	30.00	-3.71
	11/2 BPSK	3480.00	H	112	338	6.44	1 / 81	20.50	26.94	0.494	30.00	-3.06
	11/2 BPSK	3500.01	H	112	338	6.46	1 / 81	20.61	27.08	0.510	30.00	-2.92
	11/2 BPSK	3519.99	H	112	338	6.48	1 / 81	20.82	27.29	0.536	30.00	-2.71
40 MHz	QPSK	3480.00	H	112	338	6.44	1 / 81	20.47	26.91	0.491	30.00	-3.09
	QPSK	3500.01	H	112	338	6.46	1 / 81	20.71	27.18	0.522	30.00	-2.82
	QPSK	3519.99	H	112	338	6.48	1 / 81	20.75	27.23	0.528	30.00	-2.77
	16-QAM	3480.00	H	112	338	6.44	1 / 81	19.04	25.48	0.353	30.00	-4.52
	16-QAM	3500.01	H	112	338	6.46	1 / 81	19.22	25.69	0.371	30.00	-4.31
	16-QAM	3519.99	H	112	338	6.48	1 / 81	19.11	25.59	0.362	30.00	-4.41
30 MHz	11/2 BPSK	3475.02	H	112	338	6.43	1 / 131	20.28	26.71	0.469	30.00	-3.29
	11/2 BPSK	3500.01	H	112	338	6.46	1 / 1	20.03	26.49	0.446	30.00	-3.51
	11/2 BPSK	3525.00	H	112	338	6.48	1 / 66	20.80	27.28	0.534	30.00	-2.72
	QPSK	3475.02	H	112	338	6.43	1 / 131	20.17	26.60	0.457	30.00	-3.40
	QPSK	3500.01	H	112	338	6.46	1 / 131	20.18	26.65	0.462	30.00	-3.35
	QPSK	3525.00	H	112	338	6.48	1 / 66	20.54	27.02	0.504	30.00	-2.98
25 MHz	16-QAM	3475.02	H	112	338	6.43	1 / 131	19.92	26.35	0.431	30.00	-3.65
	16-QAM	3500.01	H	112	338	6.46	1 / 131	19.67	26.14	0.411	30.00	-3.86
	16-QAM	3525.00	H	112	338	6.48	1 / 131	20.00	26.48	0.444	30.00	-3.52
	11/2 BPSK	3470.01	H	112	338	6.43	1 / 104	20.56	26.99	0.500	30.00	-3.00
	11/2 BPSK	3500.01	H	112	338	6.46	1 / 53	20.83	27.30	0.537	30.00	-2.70
	11/2 BPSK	3529.98	H	112	338	6.48	1 / 104	20.84	27.32	0.540	30.00	-2.68
20 MHz	QPSK	3470.01	H	112	338	6.43	1 / 11	20.33	26.76	0.474	30.00	-3.24
	QPSK	3500.01	H	112	338	6.46	1 / 53	20.37	26.83	0.482	30.00	-3.17
	QPSK	3529.98	H	112	338	6.48	1 / 11	20.88	27.36	0.545	30.00	-2.64
	16-QAM	3470.01	H	112	338	6.43	1 / 53	19.65	26.08	0.405	30.00	-3.92
	16-QAM	3500.01	H	112	338	6.46	1 / 53	19.62	26.09	0.406	30.00	-3.91
	16-QAM	3529.98	H	112	338	6.48	1 / 1	20.06	26.54	0.451	30.00	-3.46
15 MHz	11/2 BPSK	3465.00	H	112	338	6.42	1 / 76	20.13	26.55	0.452	30.00	-3.45
	11/2 BPSK	3500.01	H	112	338	6.46	1 / 76	20.29	26.75	0.473	30.00	-3.25
	11/2 BPSK	3534.99	H	112	338	6.48	1 / 76	20.38	26.86	0.486	30.00	-3.14
	QPSK	3465.00	H	112	338	6.42	1 / 39	19.85	26.27	0.424	30.00	-3.73
	QPSK	3500.01	H	112	338	6.46	1 / 39	19.43	25.89	0.388	30.00	-4.11
	QPSK	3534.99	H	112	338	6.48	1 / 1	20.34	26.83	0.481	30.00	-3.17
10 MHz	16-QAM	3465.00	H	112	338	6.42	1 / 1	18.92	25.34	0.342	30.00	-4.66
	16-QAM	3500.01	H	112	338	6.46	1 / 1	19.38	25.85	0.384	30.00	-4.15
	16-QAM	3534.99	H	112	338	6.48	1 / 39	19.60	26.09	0.406	30.00	-3.91
	11/2 BPSK	3462.51	H	112	338	6.42	1 / 32	20.10	26.52	0.449	30.00	-3.48
	11/2 BPSK	3500.01	H	112	338	6.46	1 / 32	20.17	26.63	0.460	30.00	-3.37
	11/2 BPSK	3537.48	H	112	338	6.48	1 / 32	20.45	26.94	0.494	30.00	-3.08
5 MHz	QPSK	3462.51	H	112	338	6.42	1 / 32	20.06	26.48	0.444	30.00	-3.52
	QPSK	3500.01	H	112	338	6.46	1 / 32	20.51	26.98	0.499	30.00	-3.02
	QPSK	3537.48	H	112	338	6.48	1 / 32	20.34	26.83	0.482	30.00	-3.17
	16-QAM	3462.51	H	112	338	6.42	1 / 32	19.39	25.81	0.381	30.00	-4.19
	16-QAM	3500.01	H	112	338	6.46	1 / 32	19.63	26.10	0.407	30.00	-3.90
	16-QAM	3537.48	H	112	338	6.48	1 / 32	19.64	26.12	0.409	30.00	-3.88
2 MHz	11/2 BPSK	3460.02	H	112	338	6.42	1 / 25	20.45	26.87	0.486	30.00	-3.13
	11/2 BPSK	3500.01	H	112	338	6.46	1 / 49	20.33	26.79	0.478	30.00	-3.21
	11/2 BPSK	3540.00	H	112	338	6.49	1 / 1	20.60	27.08	0.511	30.00	-2.92
	QPSK	3460.02	H	112	338	6.42	1 / 25	20.25	26.67	0.464	30.00	-3.33
	QPSK	3500.01	H	112	338	6.46	1 / 25	20.73	27.20	0.524	30.00	-2.80
	QPSK	3540.00	H	112	338	6.49	1 / 1	20.89	27.37	0.546	30.00	-2.63
1 MHz	16-QAM	3460.02	H	112	338	6.42	1 / 25	20.02	26.44	0.440	30.00	-3.56
	16-QAM	3500.01	H	112	338	6.46	1 / 25	20.01	26.47	0.444	30.00	-3.53
	16-QAM	3540.00	H	112	338	6.49	1 / 1	20.11	26.59	0.456	30.00	-3.41
	11/2 BPSK	3457.50	H	112	338	6.41	1 / 1	20.19	26.60	0.457	30.00	-3.40
	11/2 BPSK	3500.01	H	112	338	6.46	1 / 1	20.54	27.00	0.502	30.00	-3.00
	11/2 BPSK	3542.49	H	112	338	6.49	1 / 1	20.74	27.22	0.527	30.00	-2.78
500 kHz	QPSK	3457.50	H	112	338	6.41	1 / 1	20.55	26.96	0.497	30.00	-3.04
	QPSK	3500.01	H	112	338	6.46	1 / 1	20.96	27.42	0.552	30.00	-2.58
	QPSK	3542.49	H	112	338	6.49	1 / 1	20.92	27.41	0.551	30.00	-2.59
	16-QAM	3457.50	H	112	338	6.41	1 / 1	19.95	26.36	0.432	30.00	-3.64
	16-QAM	3500.01	H	112	338	6.46	1 / 1	20.22	26.68	0.466	30.00	-3.32
	16-QAM	3542.49	H	112	338	6.49	1 / 1	20.49	26.98	0.499	30.00	-3.02
250 kHz	11/2 BPSK	3455.01	H	112	338	6.41	1 / 1	20.99	27.40	0.549	30.00	-2.60
	11/2 BPSK	3500.01	H	112	338	6.46	1 / 22	20.69	27.15	0.519	30.00	-2.85
	11/2 BPSK	3544.98	H	112	338	6.49	1 / 1	20.89	27.38	0.547	30.00	-2.62
	QPSK	3455.01	H	112	338	6.41	1 / 22	20.40	26.81	0.479	30.00	-3.19
	QPSK	3500.01	H	112	338	6.46	1 / 22	20.90	27.37	0.546	30.00	-2.63
	QPSK	3544.										

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 [Watt]	EIRP Limit [dBm]	Margin [dB]
100 MHz	11/2 BPSK	3750.00	H	112	345	7.01	1 / 136	20.20	27.21	0.527	30.00	-2.79
	11/2 BPSK	3840.00	H	112	345	7.15	1 / 1	19.65	26.80	0.479	30.00	-3.20
	11/2 BPSK	3930.00	H	120	344	7.39	1 / 136	19.64	27.03	0.505	30.00	-2.97
	QPSK	3750.00	H	112	345	7.01	1 / 136	20.13	27.14	0.518	30.00	-2.86
	QPSK	3840.00	H	112	345	7.15	1 / 1	19.59	26.74	0.472	30.00	-3.26
	QPSK	3930.00	H	120	344	7.39	1 / 136	19.56	26.95	0.496	30.00	-3.05
	16-QAM	3750.00	H	112	345	7.01	1 / 136	19.59	26.60	0.458	30.00	-3.40
	16-QAM	3840.00	H	112	345	7.15	1 / 1	19.39	26.54	0.451	30.00	-3.46
	16-QAM	3930.00	H	120	344	7.39	1 / 136	19.45	26.84	0.483	30.00	-3.16
	16-QAM	3750.00	H	112	345	7.00	1 / 243	20.16	27.16	0.521	30.00	-2.84
90 MHz	11/2 BPSK	3840.00	H	112	345	7.15	1 / 1	19.63	26.78	0.477	30.00	-3.22
	11/2 BPSK	3934.98	H	120	344	7.40	1 / 243	19.66	27.06	0.508	30.00	-2.94
	QPSK	3745.02	H	112	345	7.00	1 / 243	20.04	27.04	0.506	30.00	-2.96
	QPSK	3840.00	H	112	345	7.15	1 / 1	19.61	26.76	0.475	30.00	-3.24
	QPSK	3934.98	H	120	344	7.40	1 / 243	19.50	26.90	0.490	30.00	-3.10
	16-QAM	3745.02	H	112	345	7.00	1 / 1	19.07	26.07	0.405	30.00	-3.93
	16-QAM	3840.00	H	112	345	7.15	1 / 1	19.34	26.49	0.446	30.00	-3.51
	16-QAM	3934.98	H	120	344	7.40	1 / 1	18.64	26.04	0.402	30.00	-3.96
	11/2 BPSK	3740.01	H	112	345	6.99	1 / 215	20.27	27.25	0.531	30.00	-2.75
	11/2 BPSK	3840.00	H	112	345	7.15	1 / 1	19.69	26.84	0.483	30.00	-3.16
80 MHz	11/2 BPSK	3939.99	H	120	344	7.41	1 / 215	19.64	27.05	0.507	30.00	-2.95
	QPSK	3740.01	H	112	345	6.99	1 / 215	20.16	27.14	0.518	30.00	-2.86
	QPSK	3840.00	H	112	345	7.15	1 / 1	19.59	26.74	0.472	30.00	-3.26
	QPSK	3939.99	H	120	344	7.41	1 / 215	19.54	26.95	0.496	30.00	-3.05
	16-QAM	3740.01	H	112	345	6.99	1 / 1	19.12	26.10	0.408	30.00	-3.90
	16-QAM	3840.00	H	112	345	7.15	1 / 1	19.39	26.54	0.451	30.00	-3.46
	16-QAM	3939.99	H	120	344	7.41	1 / 1	18.73	26.14	0.411	30.00	-3.86
	11/2 BPSK	3735.00	H	112	345	6.97	1 / 187	20.10	27.07	0.510	30.00	-2.93
	11/2 BPSK	3840.00	H	112	345	7.15	1 / 1	19.62	26.77	0.476	30.00	-3.23
	11/2 BPSK	3945.00	H	120	344	7.42	1 / 187	19.52	26.94	0.494	30.00	-3.06
70 MHz	QPSK	3735.00	H	112	345	6.97	1 / 187	19.96	26.93	0.494	30.00	-3.07
	QPSK	3840.00	H	112	345	7.15	1 / 1	19.55	26.70	0.468	30.00	-3.30
	QPSK	3945.00	H	120	344	7.42	1 / 187	19.41	26.83	0.482	30.00	-3.17
	16-QAM	3735.00	H	112	345	6.97	1 / 1	19.14	26.11	0.409	30.00	-3.89
	16-QAM	3840.00	H	112	345	7.15	1 / 1	19.33	26.48	0.445	30.00	-3.52
	16-QAM	3945.00	H	120	344	7.42	1 / 1	18.72	26.14	0.411	30.00	-3.86
	11/2 BPSK	3730.02	H	112	345	6.96	1 / 160	19.82	26.77	0.476	30.00	-3.23
	11/2 BPSK	3840.00	H	112	345	7.15	1 / 160	19.25	26.40	0.437	30.00	-3.60
	11/2 BPSK	3949.98	H	120	344	7.43	1 / 160	19.38	26.80	0.479	30.00	-3.20
	QPSK	3730.02	H	112	345	6.96	1 / 1	18.79	25.74	0.375	30.00	-4.26
60 MHz	16-QAM	3840.00	H	112	345	7.15	1 / 1	18.98	26.13	0.411	30.00	-3.87
	16-QAM	3949.98	H	120	344	7.43	1 / 1	18.51	25.93	0.392	30.00	-4.07
	11/2 BPSK	3725.01	H	112	345	6.94	1 / 131	19.58	26.52	0.449	30.00	-3.48
	11/2 BPSK	3840.00	H	112	345	7.15	1 / 66	19.18	26.33	0.430	30.00	-3.67
	11/2 BPSK	3954.99	H	120	344	7.43	1 / 131	19.37	26.80	0.479	30.00	-3.20
	QPSK	3725.01	H	112	345	6.94	1 / 131	19.42	26.36	0.433	30.00	-3.64
	QPSK	3840.00	H	112	345	7.15	1 / 66	19.16	26.31	0.428	30.00	-3.69
	QPSK	3954.99	H	120	344	7.43	1 / 131	19.24	26.67	0.465	30.00	-3.33
	16-QAM	3725.01	H	112	345	6.94	1 / 1	18.72	25.66	0.369	30.00	-4.34
	16-QAM	3840.00	H	112	345	7.15	1 / 1	18.91	26.06	0.404	30.00	-3.94
50 MHz	16-QAM	3954.99	H	120	344	7.43	1 / 1	18.58	26.01	0.399	30.00	-3.99
	11/2 BPSK	3720.00	H	112	345	6.93	1 / 53	19.73	26.65	0.463	30.00	-3.35
	11/2 BPSK	3840.00	H	112	345	7.15	1 / 1	19.23	26.38	0.435	30.00	-3.62
	11/2 BPSK	3960.00	H	120	344	7.44	1 / 104	19.36	26.80	0.479	30.00	-3.20
	QPSK	3720.00	H	112	345	6.93	1 / 104	19.50	26.42	0.439	30.00	-3.58
	QPSK	3840.00	H	112	345	7.15	1 / 1	19.19	26.34	0.431	30.00	-3.66
	QPSK	3960.00	H	120	344	7.44	1 / 104	19.27	26.71	0.469	30.00	-3.29
	16-QAM	3720.00	H	112	345	6.93	1 / 1	18.82	25.74	0.375	30.00	-4.26
	16-QAM	3840.00	H	112	345	7.15	1 / 1	18.93	26.08	0.406	30.00	-3.92
	16-QAM	3960.00	H	120	344	7.44	1 / 1	18.69	26.13	0.410	30.00	-3.87
40 MHz	11/2 BPSK	3715.02	H	112	345	6.91	1 / 39	19.54	26.45	0.442	30.00	-3.55
	11/2 BPSK	3840.00	H	112	345	7.15	1 / 39	19.27	26.42	0.439	30.00	-3.58
	11/2 BPSK	3964.98	H	120	344	7.45	1 / 76	19.43	26.88	0.488	30.00	-3.12
	QPSK	3715.02	H	112	345	6.91	1 / 76	19.36	26.27	0.424	30.00	-3.73
	QPSK	3840.00	H	112	345	7.15	1 / 39	19.19	26.34	0.431	30.00	-3.66
	QPSK	3964.98	H	120	344	7.45	1 / 76	19.33	26.78	0.477	30.00	-3.22
	16-QAM	3715.02	H	112	345	6.91	1 / 1	18.83	25.74	0.375	30.00	-4.26
	16-QAM	3840.00	H	112	345	7.15	1 / 1	18.93	26.08	0.406	30.00	-3.92
	16-QAM	3964.98	H	120	344	7.45	1 / 1	18.89	26.34	0.431	30.00	-3.86
	11/2 BPSK	3712.50	H	112	338	6.91	1 / 63	19.63	26.53	0.450	30.00	-3.47
30 MHz	11/2 BPSK	3840.00	H	112	338	7.15	1 / 1	19.19	26.34	0.431	30.00	-3.66
	11/2 BPSK	3967.50	H	112	338	7.46	1 / 63	19.28	26.73	0.471	30.00	-3.27
	QPSK	3712.50	H	112	338	6.91	1 / 63	19.50	26.40	0.437	30.00	-3.60
	QPSK	3840.00	H	112	338	7.15	1 / 1	19.15	26.30	0.427	30.00	-3.70
	QPSK	3967.50	H	112	338	7.46	1 / 63	19.21	26.66	0.464	30.00	-3.34
	16-QAM	3712.50	H	112	338	6.91	1 / 1	18.91	25.81	0.381	30.00	-4.19
	16-QAM	3840.00	H	112	338	7.15	1 / 1	18.94	26.09	0.407	30.00	-3.91
	16-QAM	3967.50	H	112	338	7.46	1 / 1	18.81	26.26	0.423	30.00	-3.74
	11/2 BPSK	3710.01	H	112	345	6.90	1 / 49	19.73	26.63	0.461	30.00	-3.37
	11/2 BPSK	3840.00	H	112	345	7.15	1 / 1	19.38	26.53	0.450	30.00	-3.47
20 MHz	11/2 BPSK	3969.99	H	120	344	7.46	1 / 49	19.45	26.91	0.491	30.00	-3.09
	QPSK	3710.01	H	112	345	6.90	1 / 49	19.57	26.47	0.444	30.00	-3.53
	QPSK	3840.00	H	112	345	7.15	1 / 1	19.33	26.48	0.445	30.00	-3.52
	QPSK	3969.99	H	120	344	7.46	1 / 49	19.44	26.90	0.490	30.00	-3.10
	16-QAM	3710.01	H	112	345	6.90	1 / 1	19.07	25.97	0.396	30.00	-4.03
	16-QAM	3840.00	H	112	345	7.15	1 / 1	19.12	26.27	0.424	30.00	-3.73
	16-QAM	3969.99	H	120	344	7.46	1 / 1	18.83	26.29	0.426	30.00	-3.71
	11/2 BPSK	3707.52	H	112	345	6.89	1 / 36	19.61	26.50	0.447	30.00	-3.50
	11/2 BPSK	3840.00	H	112	345	7.15	1 / 1	19.35	26.50	0.447	30.00	-3.50
	11/2 BPSK	3972.48	H	120	344	7.46	1 / 36	19.48	26.94	0.494	30.00	-3.06
15 MHz	QPSK	3707.52	H	112	345	6.89	1 / 36	19.46	26.35	0.432	30.00	-3.65
	QPSK	3840.00	H	112	345	7.15	1 / 1	19.27	26.42	0.439	30.00	-3.58
	QPSK	3972.48	H	120	344	7.46	1 / 36	19.41	26.87	0.487	30.00	-3.13
	16-QAM	3707.52	H	112	345	6.89	1 / 1	18.98	25.87	0.387	30.00	-4.13
	16-QAM	3840.00	H	112	345	7.15	1 / 1	19.05	26.20	0.417	30.00	-3.80
	16-QAM	3972.48	H	120	344	7.46	1 / 1	18.86	26.32	0.429	30.00	-3.68
	11/2 BPSK	3705.00	H	112	345	6.89	1 / 22	19.54	26.42	0.439	30.00	-3.58
	11/2 BPSK	3840.00	H	112	345	7.15	1 / 1	19.34	26.49	0.446	30.00	-3.51
	11/2 BPSK	3975.00	H	120	344	7.47	1 / 22	19.36	26.83	0.482	30.00	-3.17
	QPSK	3705.00	H	112	345	6.89	1 / 22	19.39				

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	3500.01	H	120	63	6.46	1 / 136	16.14	22.60	0.182	30.00	-7.40
	QPSK	3500.01	H	120	63	6.46	1 / 136	16.12	22.58	0.181	30.00	-7.42
	16-QAM	3500.01	H	120	63	6.46	1 / 136	15.39	21.85	0.153	30.00	-8.15
100 MHz	QPSK (CP-OFDM)	3500.01	H	120	63	6.46	1 / 136	14.63	21.09	0.129	30.00	-8.91

Table 7-12. EIRP Data (NR Band n77 Dod Band – Ant 2)

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	3750.00	H	108	61	7.01	1 / 136	14.47	21.48	0.141	30.00	-8.52
	$\pi/2$ BPSK	3840.00	H	108	60	7.15	1 / 271	15.08	22.23	0.167	30.00	-7.77
	$\pi/2$ BPSK	3930.00	H	115	55	7.39	1 / 271	14.90	22.29	0.169	30.00	-7.71
	QPSK	3750.00	H	108	61	7.01	1 / 136	14.52	21.53	0.142	30.00	-8.47
	QPSK	3840.00	H	108	60	7.15	1 / 271	15.14	22.29	0.170	30.00	-7.71
	QPSK	3930.00	H	115	55	7.39	1 / 271	14.76	22.15	0.164	30.00	-7.85
	16-QAM	3750.00	H	108	61	7.01	1 / 136	13.85	20.86	0.122	30.00	-9.14
	16-QAM	3840.00	H	108	60	7.15	1 / 271	14.41	21.56	0.143	30.00	-8.44
	16-QAM	3930.00	H	115	55	7.39	1 / 271	13.62	21.01	0.126	30.00	-8.99
100 MHz	QPSK (CP-OFDM)	3840.00	H	108	60	7.15	1 / 271	13.31	20.46	0.111	30.00	-9.54

Table 7-13. EIRP Data (NR Band n77 C-Band – Ant 2)

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	3500.01	H	113	118	6.46	1 / 136	14.84	21.30	0.135	30.00	-8.70
	QPSK	3500.01	H	113	118	6.46	1 / 136	15.00	21.46	0.140	30.00	-8.54
	16-QAM	3500.01	H	113	118	6.46	1 / 136	14.19	20.65	0.116	30.00	-9.35
100 MHz	QPSK (CP-OFDM)	3500.0	H	123	115	6.46	1 / 136	13.49	19.95	0.099	30.00	-10.05

Table 7-14. EIRP Data (NR Band n77 Dod Band – Ant 3)

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	3750.00	H	211	64	7.01	1 / 271	12.08	19.09	0.081	30.00	-10.91
	$\pi/2$ BPSK	3840.00	H	169	64	7.15	1 / 271	15.00	22.15	0.164	30.00	-7.85
	$\pi/2$ BPSK	3930.00	H	169	64	7.39	1 / 136	15.38	22.77	0.189	30.00	-7.23
	QPSK	3750.00	H	211	64	7.01	1 / 271	12.12	19.13	0.082	30.00	-10.87
	QPSK	3840.00	H	169	64	7.15	1 / 271	14.99	22.14	0.164	30.00	-7.86
	QPSK	3930.00	H	169	64	7.39	1 / 136	15.58	22.97	0.198	30.00	-7.03
	16-QAM	3750.00	H	211	64	7.01	1 / 271	11.31	18.32	0.068	30.00	-11.68
	16-QAM	3840.00	H	169	64	7.15	1 / 271	14.19	21.34	0.136	30.00	-8.66
	16-QAM	3930.00	H	169	64	7.39	1 / 136	14.67	22.06	0.161	30.00	-7.94
100 MHz	QPSK (CP-OFDM)	3930.00	H	169	64	7.15	1 / 136	13.95	21.10	0.129	30.00	-8.90

Table 7-15. EIRP Data (NR Band n77 C-Band – Ant 3)

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	3500.01	H	294	117	6.46	1 / 136	11.95	18.41	0.069	30.00	-11.59
	QPSK	3500.01	H	294	117	6.46	1 / 136	11.89	18.35	0.068	30.00	-11.65
	16-QAM	3500.01	H	294	117	6.46	1 / 136	11.18	17.64	0.058	30.00	-12.36
100 MHz	QPSK (CP-OFDM)	3500.0	H	294	117	6.46	1 / 136	10.55	17.01	0.050	30.00	-12.99

Table 7-16. EIRP Data (NR Band n77 Dod Band – Ant 4)

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	3750.00	H	137	115	7.01	1 / 136	14.55	21.56	0.143	30.00	-8.44
	$\pi/2$ BPSK	3840.00	H	126	62	7.15	1 / 136	14.28	21.43	0.139	30.00	-8.57
	$\pi/2$ BPSK	3930.00	H	130	63	7.39	1 / 1	12.75	20.14	0.103	30.00	-9.86
	QPSK	3750.00	H	137	115	7.01	1 / 136	14.49	21.50	0.141	30.00	-8.50
	QPSK	3840.00	H	126	62	7.15	1 / 136	14.39	21.54	0.143	30.00	-8.46
	QPSK	3930.00	H	130	63	7.39	1 / 1	12.75	20.14	0.103	30.00	-9.86
	16-QAM	3750.00	H	137	115	7.01	1 / 136	13.65	20.66	0.117	30.00	-9.34
	16-QAM	3840.00	H	126	62	7.15	1 / 136	13.65	20.80	0.120	30.00	-9.20
	16-QAM	3930.00	H	130	63	7.39	1 / 1	12.14	19.53	0.090	30.00	-10.47
100 MHz	QPSK (CP-OFDM)	3750.00	H	137	115	7.15	1 / 136	13.66	20.81	0.121	30.00	-9.19

Table 7-17. EIRP Data (NR Band n77 C-Band – Ant 4)

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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.

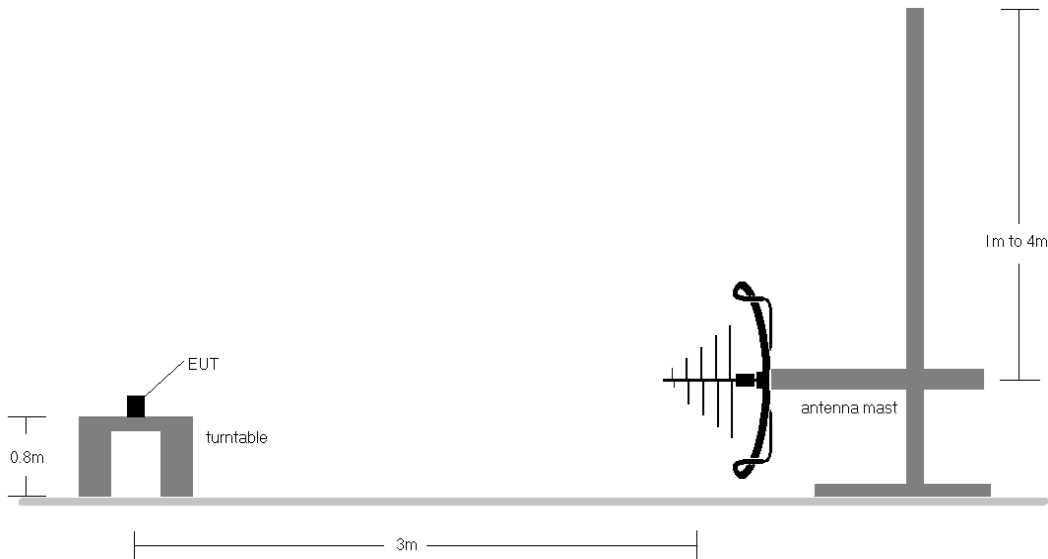


Figure 7-7. Test Instrument & Measurement Setup < 1GHz

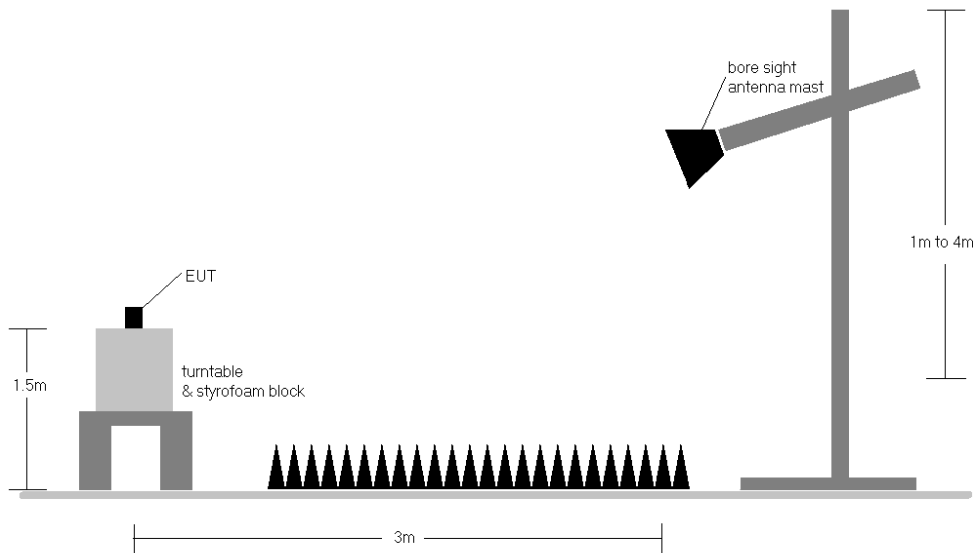


Figure 7-8. Test Instrument & Measurement Setup >1 GHz

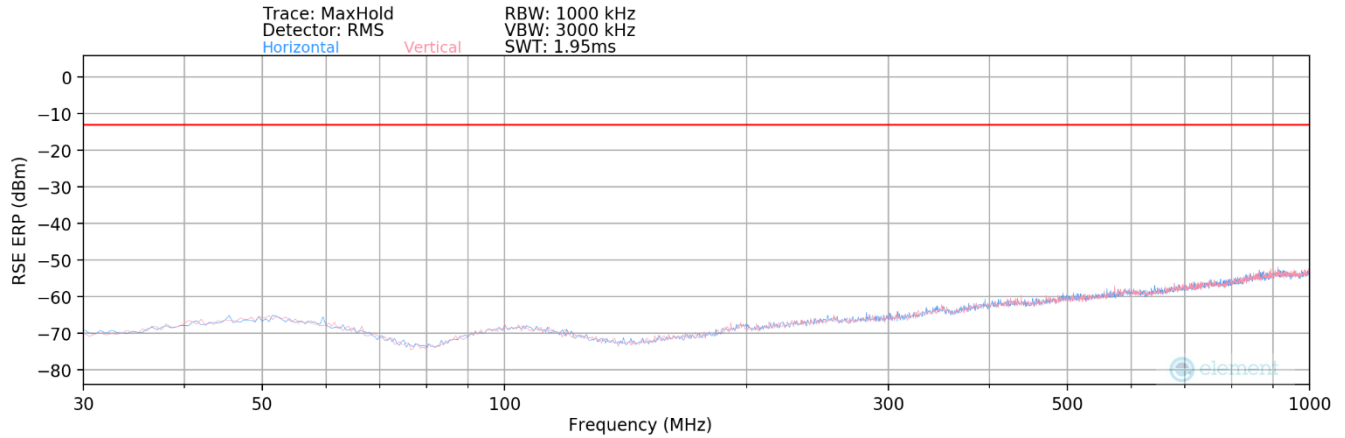
FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Test Notes

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

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NR Band n77 (DoD Band) – Ant1

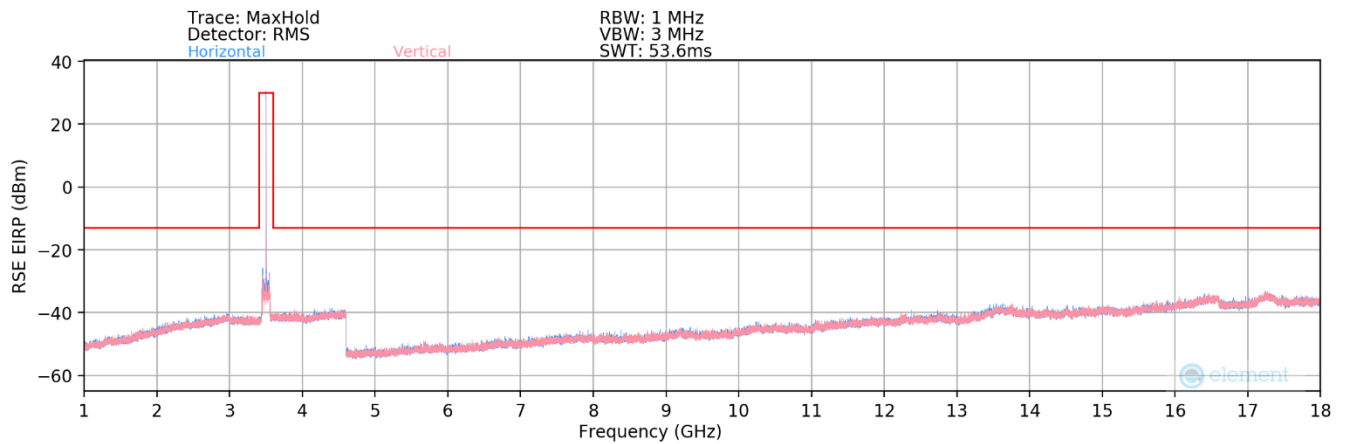


Plot 7-289. Radiated Spurious Plot (NR Band n77 (DoD) – Ant1)

Bandwidth (MHz):	100
Frequency (MHz):	3500.01
RB / Offset:	1 / 136

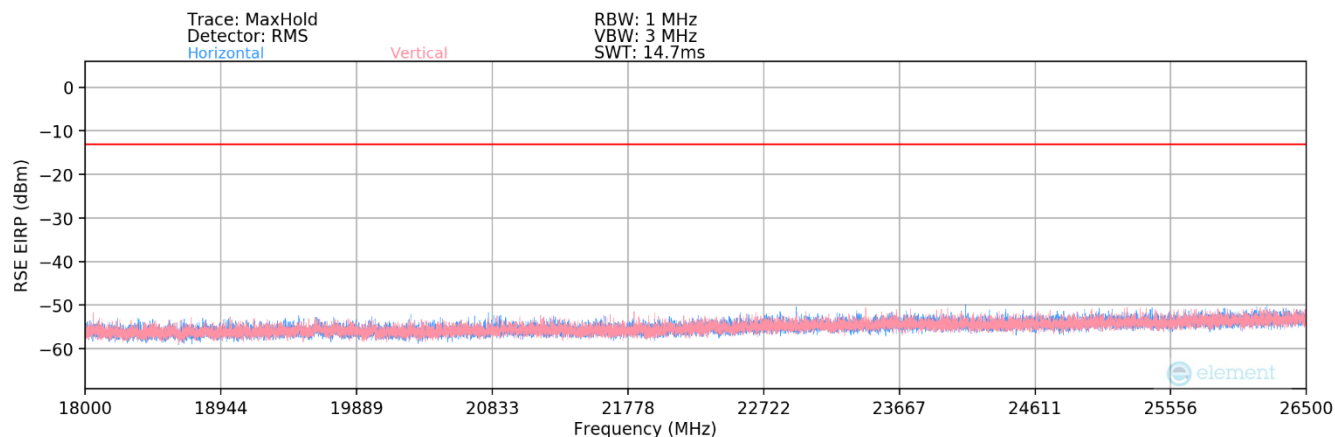
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
84.96	H	-	-	-73.53	-17.38	16.09	-81.31	-13.00	-68.31
198.70	H	-	-	-74.20	-13.42	19.38	-78.03	-13.00	-65.03
423.62	H	-	-	-72.07	-7.93	27.00	-70.41	-13.00	-57.41

Table 7-18. Radiated Spurious Data (NR Band n77 (DoD) – Mid Channel – Ant1)

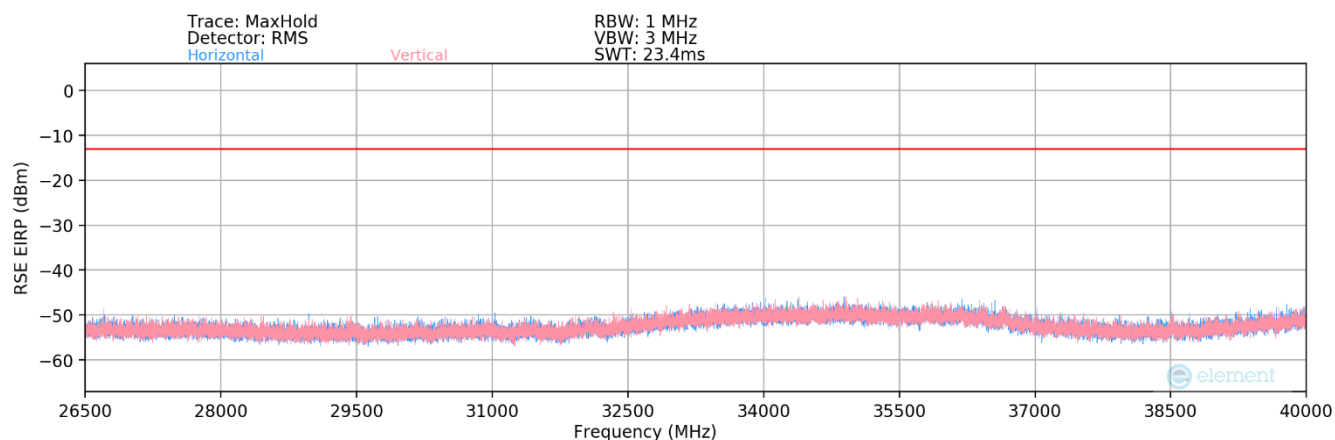


Plot 7-290. Radiated Spurious Plot (NR Band n77 (DoD) – Ant1)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-291. Radiated Spurious Plot (NR Band n77 (DoD) – Ant1)



Plot 7-292. Radiated Spurious Plot (NR Band n77 (DoD) – Ant1)

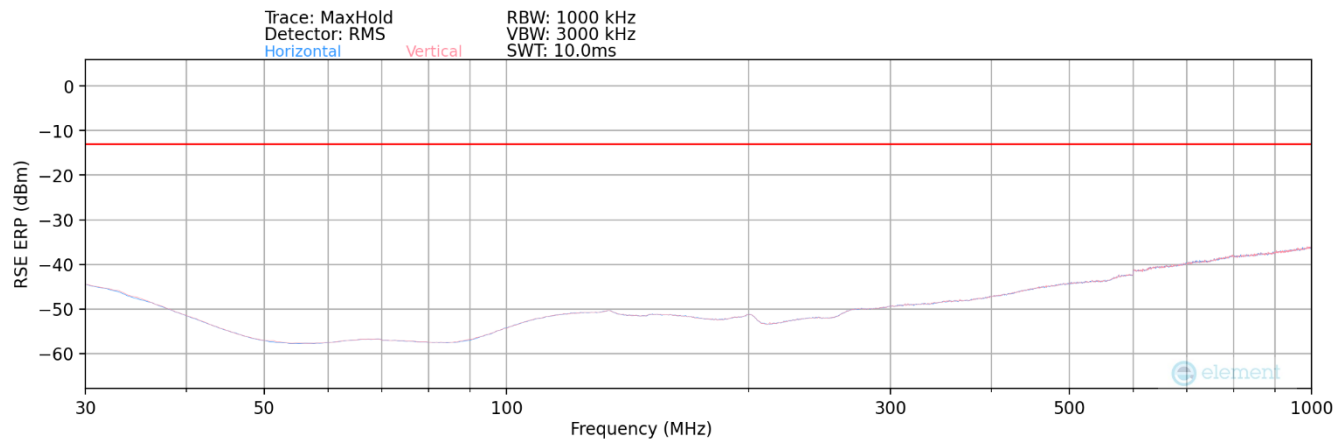
Bandwidth (MHz):	100
Frequency (MHz):	3500.01
RB / Offset:	1 / 136

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]
7000.02	H	-	-	-74.09	14.81	47.72	-47.54	-13.00	-34.54
10500.03	H	-	-	-74.82	20.91	53.09	-42.17	-13.00	-29.17
14000.04	H	-	-	-76.61	26.39	56.78	-38.48	-13.00	-25.48
17500.05	H	-	-	-76.66	30.26	60.60	-34.66	-13.00	-21.66

Table 7-19. Radiated Spurious Data (NR Band n77 (DoD) – Mid Channel – Ant1)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
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NR Band n77 (DoD Band) – Ant2

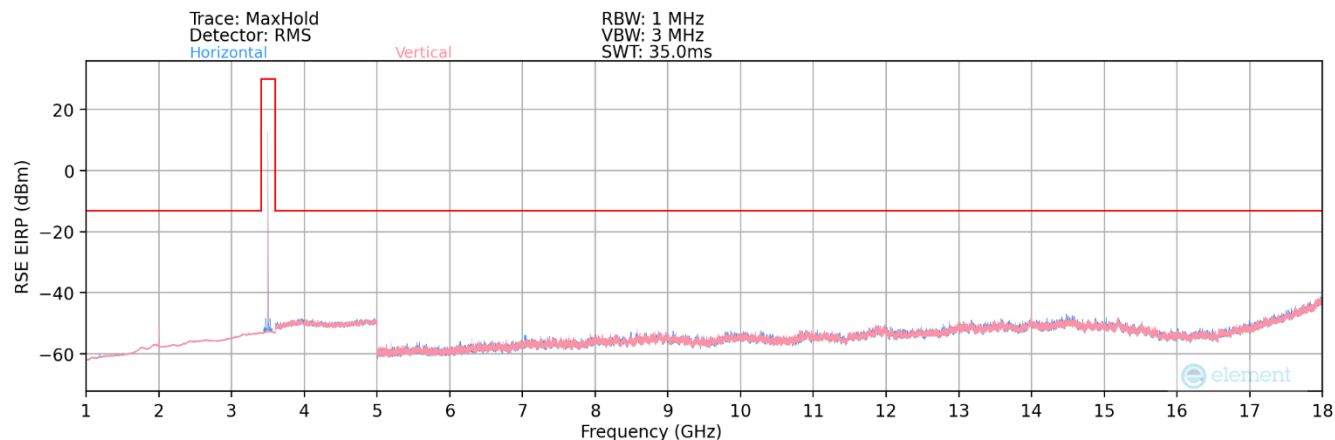


Plot 7-293. Radiated Spurious Plot (NR Band n77 (DoD) – Ant2)

Bandwidth (MHz):	100
Frequency (MHz):	3500.01
RB / Offset:	1 / 136

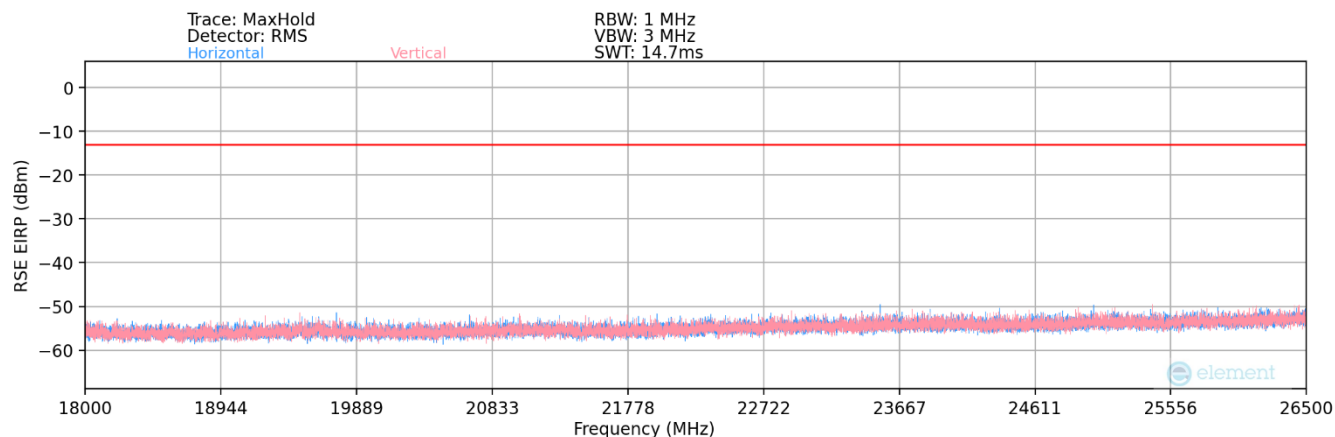
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
89.98	H	-	-	-84.00	14.55	37.55	-59.85	-13.00	-46.85
193.18	H	-	-	-83.96	18.46	41.50	-55.91	-13.00	-42.91
413.70	H	-	-	-83.91	23.70	46.79	-50.62	-13.00	-37.62

Table 7-20. Radiated Spurious Data (NR Band n77 (DoD) – Mid Channel – Ant2)

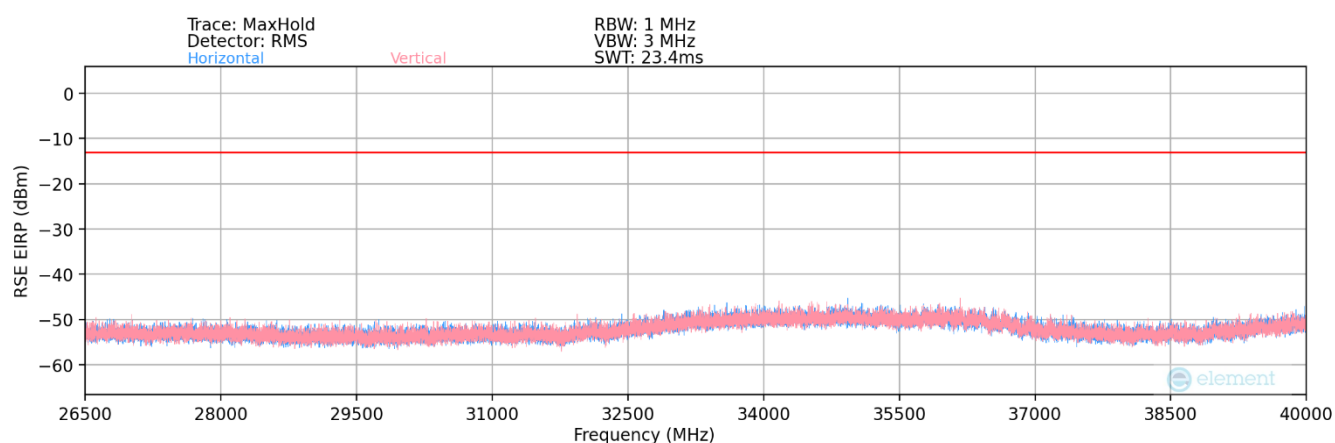


Plot 7-294. Radiated Spurious Plot (NR Band n77 (DoD) – Ant2)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-295. Radiated Spurious Plot (NR Band n77 (DoD) – Ant2)



Plot 7-296. Radiated Spurious Plot (NR Band n77 (DoD) – Ant2)

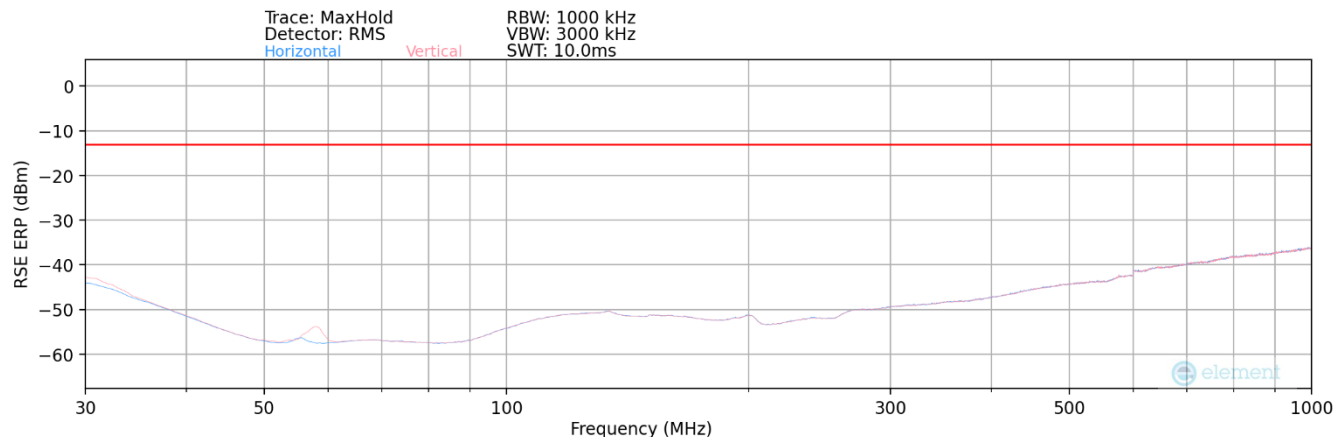
Bandwidth (MHz):	100
Frequency (MHz):	3500.01
RB / Offset:	1 / 136

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]
7000.02	H	-	-	-75.90	4.13	35.23	-60.03	-13.00	-47.03
10500.03	H	-	-	-77.82	7.78	36.96	-58.30	-13.00	-45.30
14000.04	H	-	-	-77.73	11.81	41.08	-54.17	-13.00	-41.17
17500.05	H	-	-	-77.23	14.40	44.17	-51.08	-13.00	-38.08

Table 7-21. Radiated Spurious Data (NR Band n77 (DoD) – Mid Channel – Ant2)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
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NR Band n77 (DoD Band) – Ant3

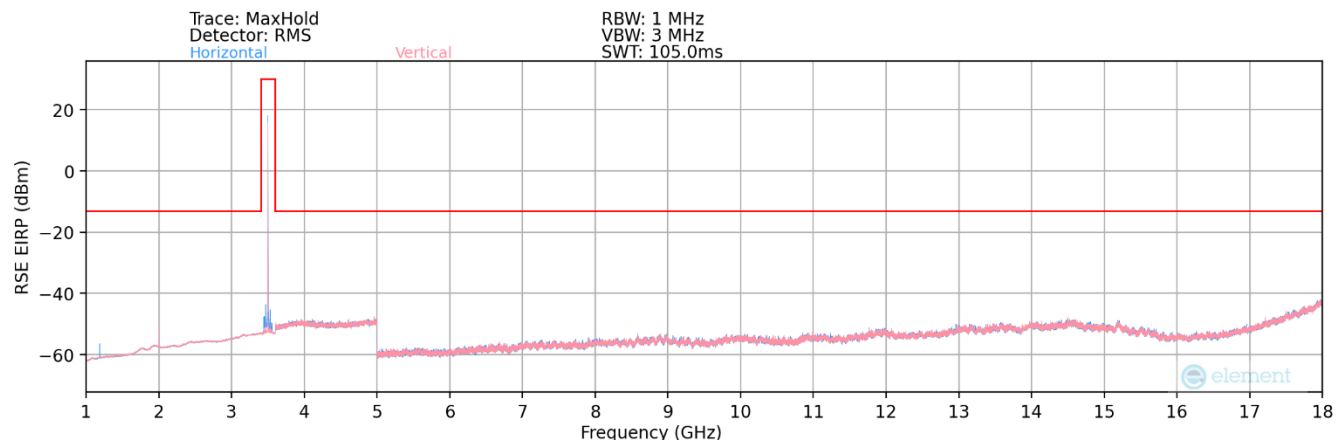


Plot 7-297. Radiated Spurious Plot (NR Band n77 (DoD) – Ant3)

Bandwidth (MHz):	100
Frequency (MHz):	3500.01
RB / Offset:	1 / 136

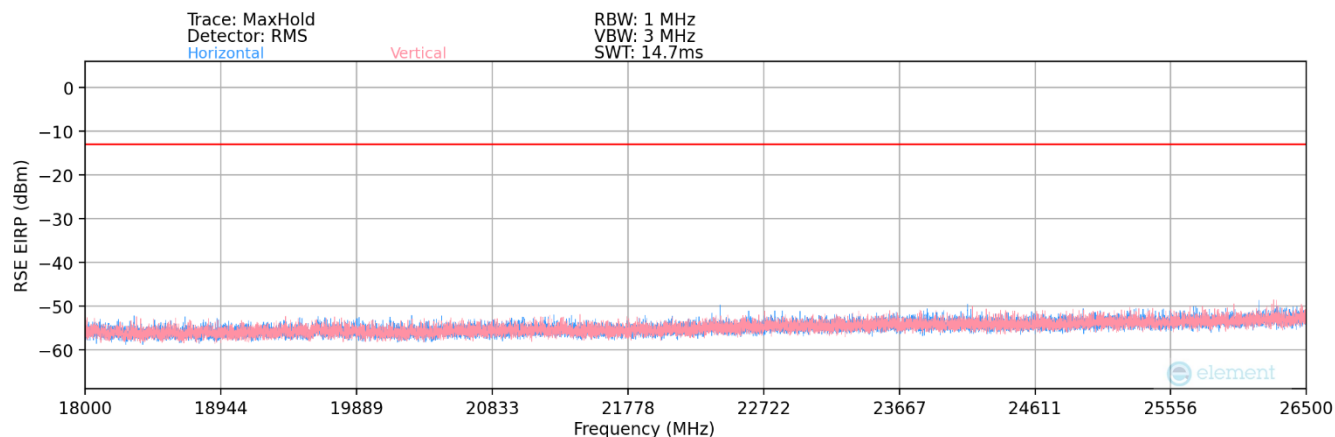
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
58.46	V	271	168	-82.50	13.92	38.42	-58.99	-13.00	-45.99
190.58	V	-	-	-83.96	18.29	41.33	-56.08	-13.00	-43.08
305.04	V	-	-	-84.02	21.15	44.13	-53.28	-13.00	-40.28
493.46	V	-	-	-83.91	25.57	48.66	-48.75	-13.00	-35.75

Table 7-22. Radiated Spurious Data (NR Band n77 (DoD) – Mid Channel – Ant3)

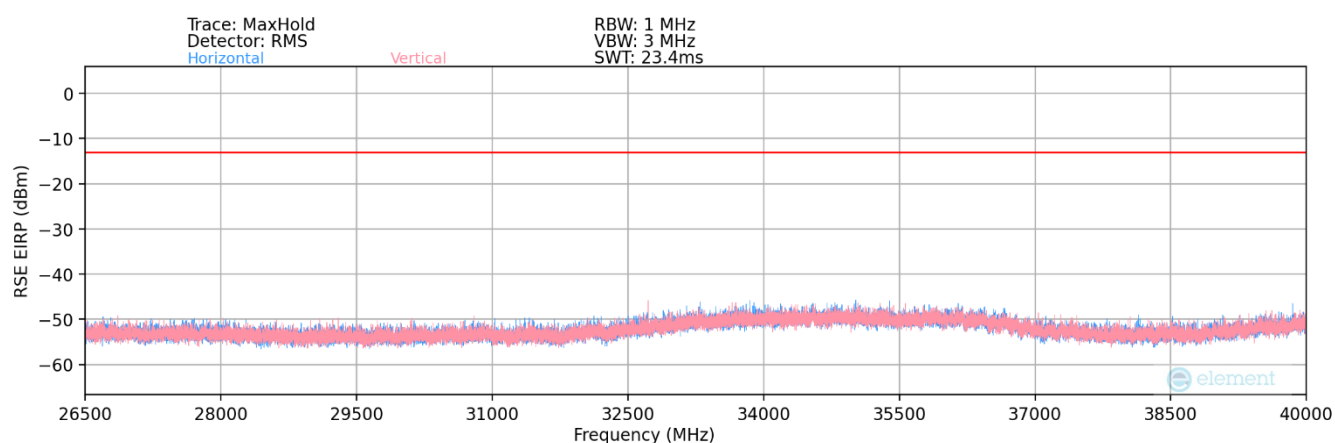


Plot 7-298. Radiated Spurious Plot (NR Band n77 (DoD) – Ant3)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-299. Radiated Spurious Plot (NR Band n77 (DoD) – Ant3)



Plot 7-300. Radiated Spurious Plot (NR Band n77 (DoD) – Ant3)

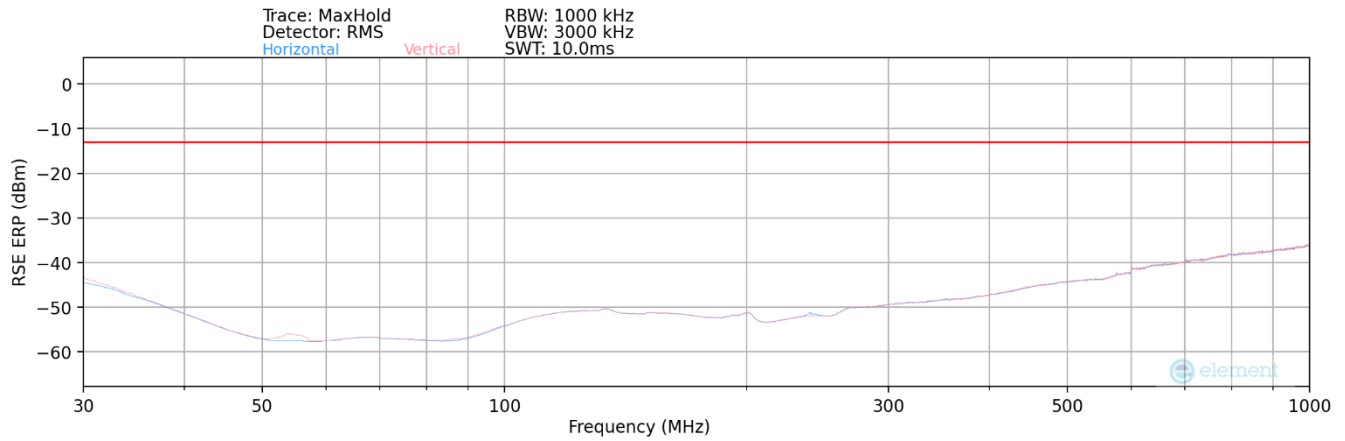
Bandwidth (MHz):	100
Frequency (MHz):	3500.01
RB / Offset:	1 / 136

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]
7000.02	H	-	-	-75.78	3.85	35.07	-60.19	-13.00	-47.19
10500.03	H	-	-	-77.81	7.57	36.76	-58.50	-13.00	-45.50
14000.04	H	-	-	-77.70	11.94	41.24	-54.02	-13.00	-41.02
17500.05	H	-	-	-77.35	14.78	44.43	-50.83	-13.00	-37.83

Table 7-23. Radiated Spurious Data (NR Band n77 (DoD) – Mid Channel – Ant3)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2505130050-05.A3L	Test Dates: 6/3/2025 - 7/18/2025	EUT Type: Portable Tablet		Page 191 of 208

NR Band n77 (DoD Band) – Ant4

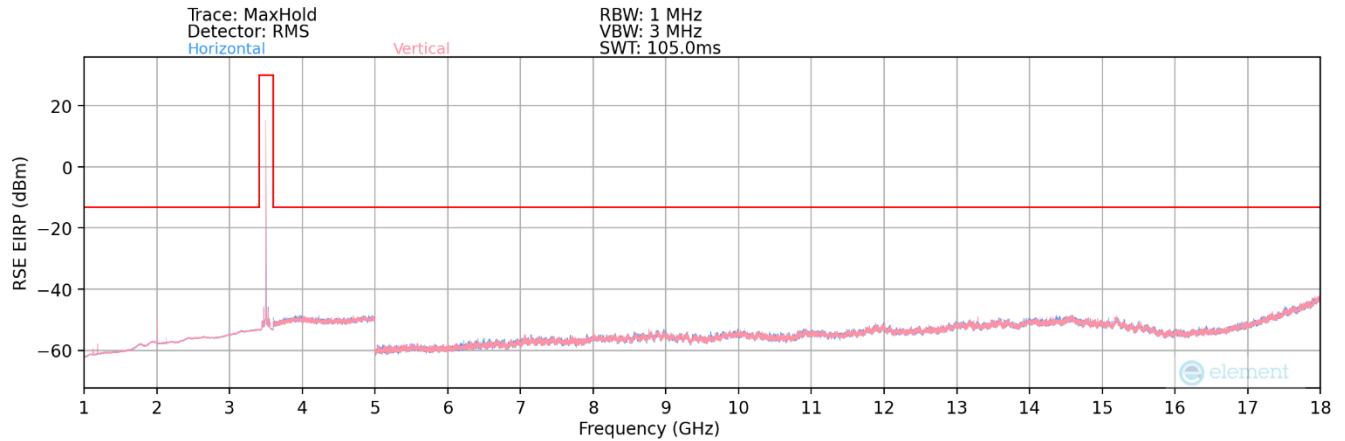


Plot 7-301. Radiated Spurious Plot (NR Band n77 (DoD) – Ant4)

Bandwidth (MHz):	100
Frequency (MHz):	3500.01
RB / Offset:	1 / 136

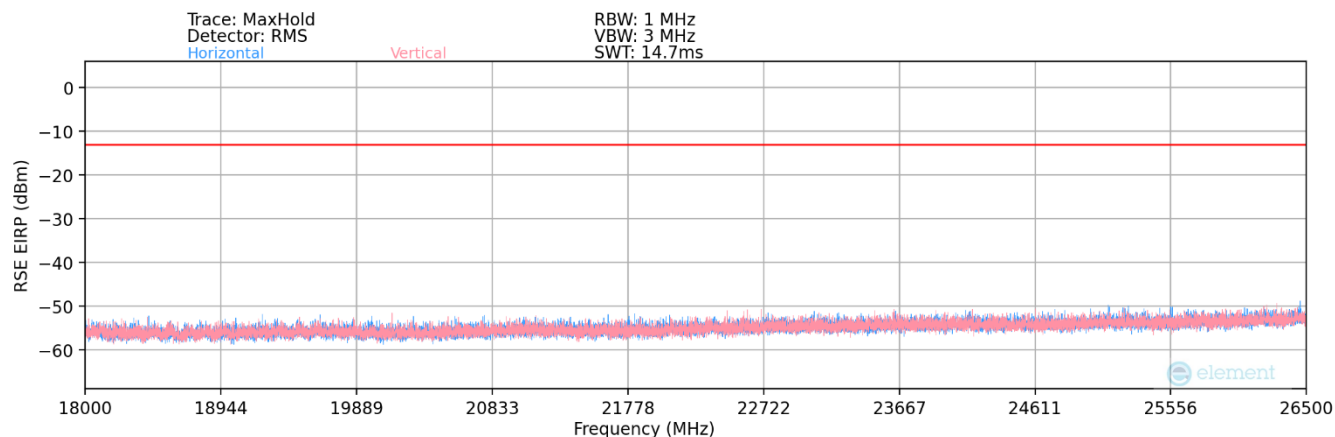
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
55.59	V	234	238	-82.78	13.90	38.12	-59.29	-13.00	-46.29
188.66	V	-	-	-83.95	18.12	41.17	-56.24	-13.00	-43.24
312.29	V	-	-	-83.98	21.38	44.40	-53.01	-13.00	-40.01
402.88	V	-	-	-84.00	23.42	46.42	-50.99	-13.00	-37.99

Table 7-24. Radiated Spurious Data (NR Band n77 (DoD) – Mid Channel – Ant4)

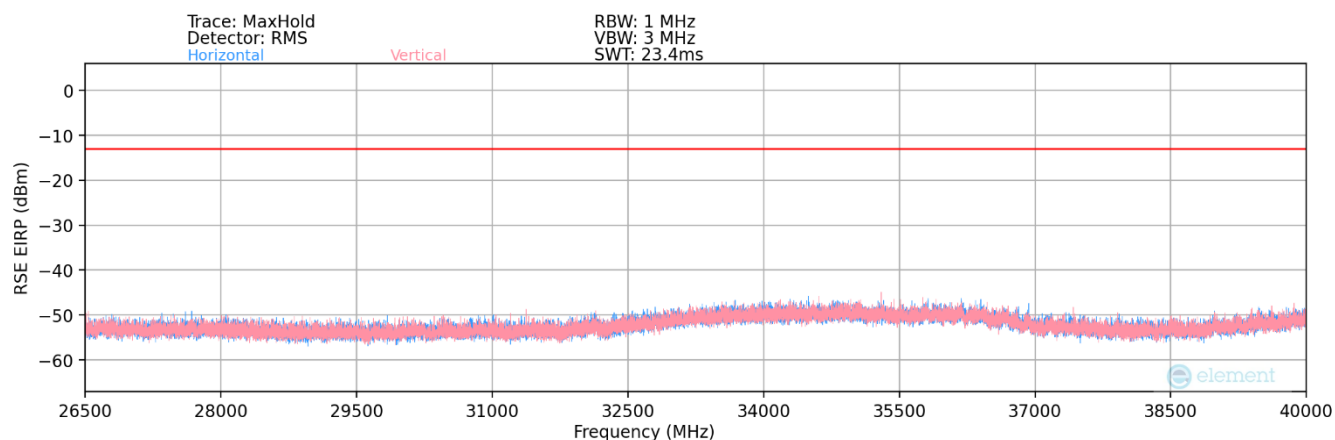


Plot 7-302. Radiated Spurious Plot (NR Band n77 (DoD) – Ant4)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-303. Radiated Spurious Plot (NR Band n77 (DoD) – Ant4)



Plot 7-304. Radiated Spurious Plot (NR Band n77 (DoD) – Ant4)

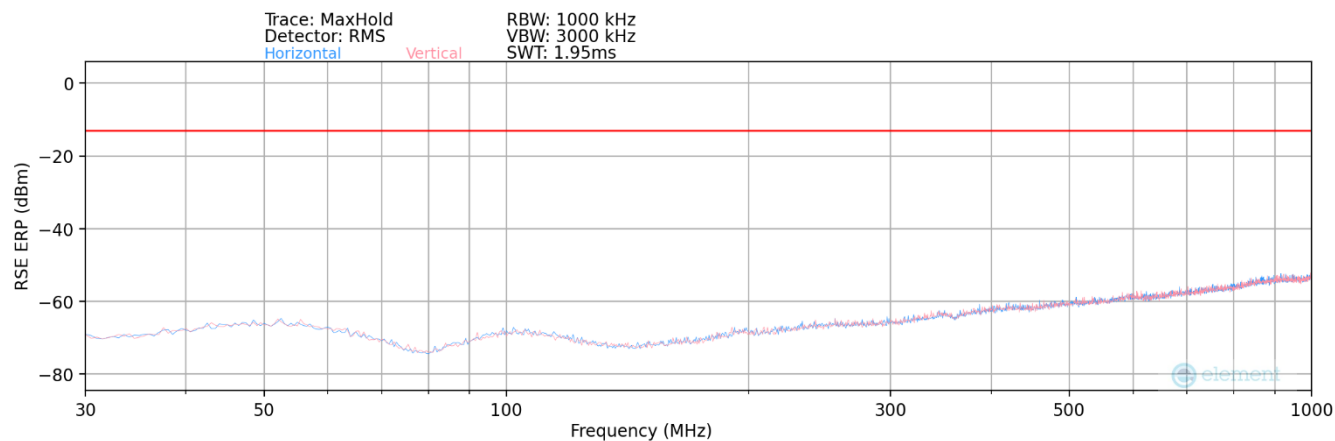
Bandwidth (MHz):	100
Frequency (MHz):	3500.01
RB / Offset:	1 / 136

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]
7000.02	H	-	-	-75.77	3.85	35.08	-60.18	-13.00	-47.18
10500.03	H	-	-	-77.86	7.57	36.71	-58.55	-13.00	-45.55
14000.04	H	-	-	-77.75	11.94	41.19	-54.07	-13.00	-41.07
17500.05	H	-	-	-78.52	14.78	43.26	-52.00	-13.00	-39.00

Table 7-25. Radiated Spurious Data (NR Band n77 (DoD) – Mid Channel – Ant4)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
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NR Band n77 C-Band – Ant1



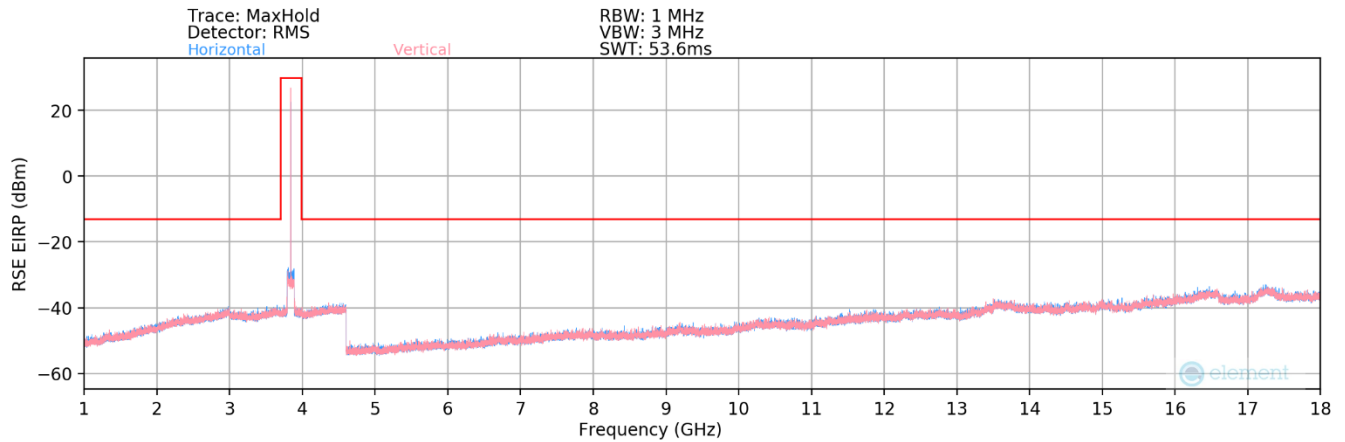
Plot 7-305. Radiated Spurious Plot (NR Band n77 – Ant1)

Bandwidth (MHz):	100
Frequency (MHz):	3930.00
RB / Offset:	1 / 136

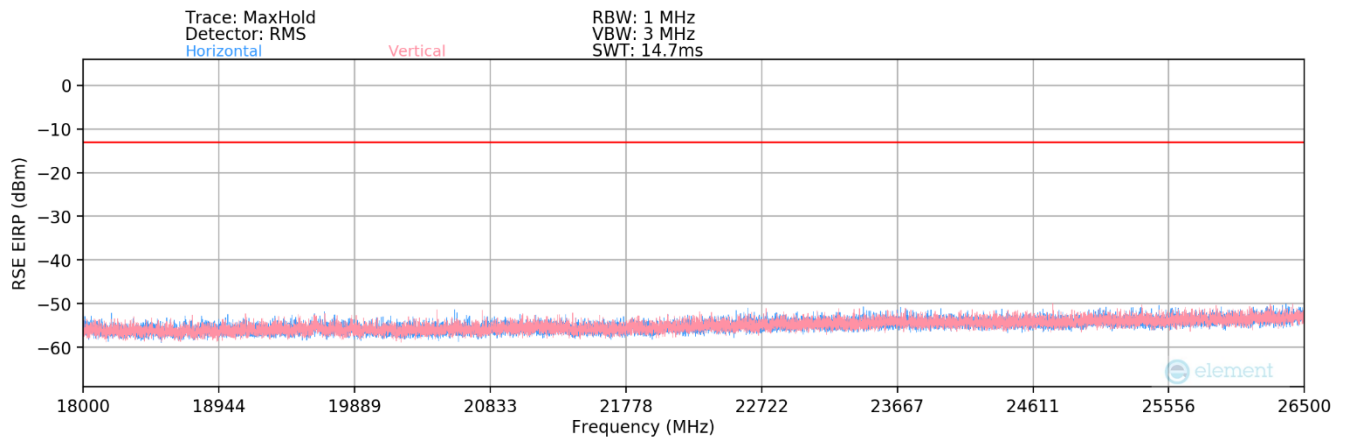
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
90.55	V	-	-	-77.91	-15.62	13.47	-83.94	-13.00	-70.94
177.27	V	-	-	-78.87	-15.67	12.46	-84.95	-13.00	-71.95
516.73	V	-	-	-77.88	-6.71	22.41	-74.99	-13.00	-61.99

Table 7-26. Radiated Spurious Data (NR Band n77 – High Channel – Ant1)

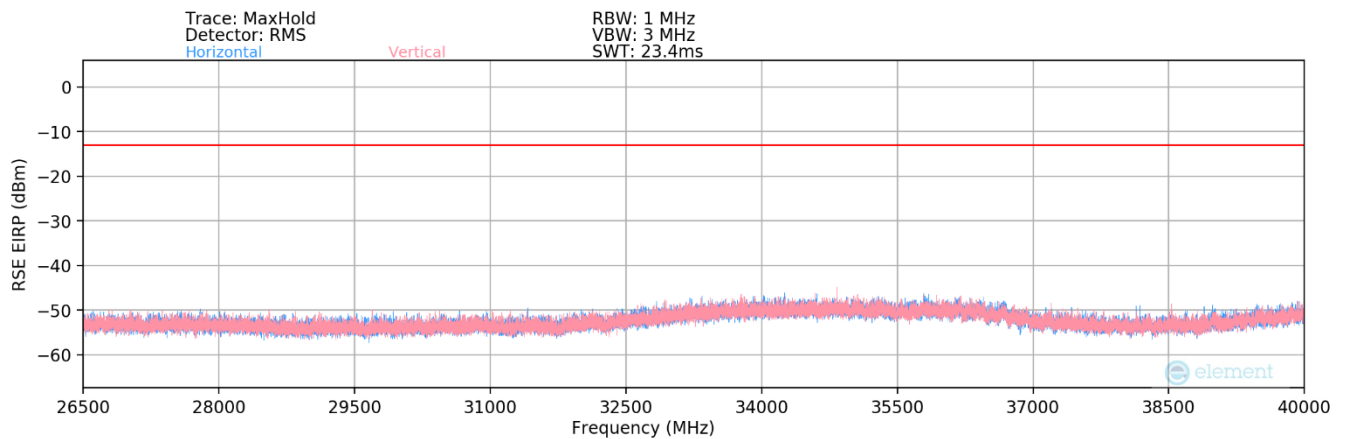
FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-306. Radiated Spurious Plot (NR Band n77 – Ant1)



Plot 7-307. Radiated Spurious Plot (NR Band n77 – Ant1)



Plot 7-308. Radiated Spurious Plot (NR Band n77 – Ant1)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Bandwidth (MHz):	100
Frequency (MHz):	3750.00
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]
7500.00	V	-	-	-72.95	15.93	49.98	-45.28	-13.00	-32.28
11250.00	V	-	-	-75.10	21.40	53.30	-41.96	-13.00	-28.96
15000.00	V	-	-	-75.44	26.41	57.97	-37.29	-13.00	-24.29

Table 7-27. Radiated Spurious Data (NR Band n77 – Low Channel – Ant1)

Bandwidth (MHz):	100
Frequency (MHz):	3840.00
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]
7680.00	V	145	352	-71.99	15.87	50.88	-44.37	-13.00	-31.37
11520.00	V	-	-	-74.14	22.36	55.22	-40.04	-13.00	-27.04
15360.00	V	-	-	-76.18	27.56	58.38	-36.87	-13.00	-23.87

Table 7-28. Radiated Spurious Data (NR Band n77 – Mid Channel – Ant1)

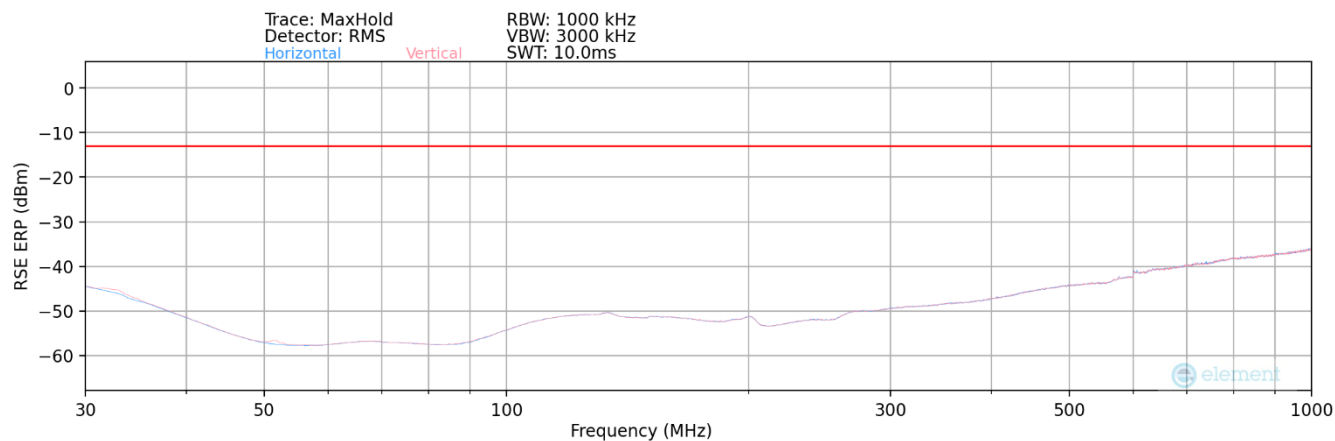
Bandwidth (MHz):	100
Frequency (MHz):	3930.00
RB / Offset:	1 / 136

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]
7860.00	V	274	99	-72.01	16.02	51.01	-44.25	-13.00	-31.25
11790.00	V	-	-	-74.49	21.49	54.00	-41.25	-13.00	-28.25
15720.00	V	-	-	-73.43	28.48	62.05	-33.21	-13.00	-20.21

Table 7-29. Radiated Spurious Data (NR Band n77 – High Channel – Ant1)

FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n77 C-Band – Ant2



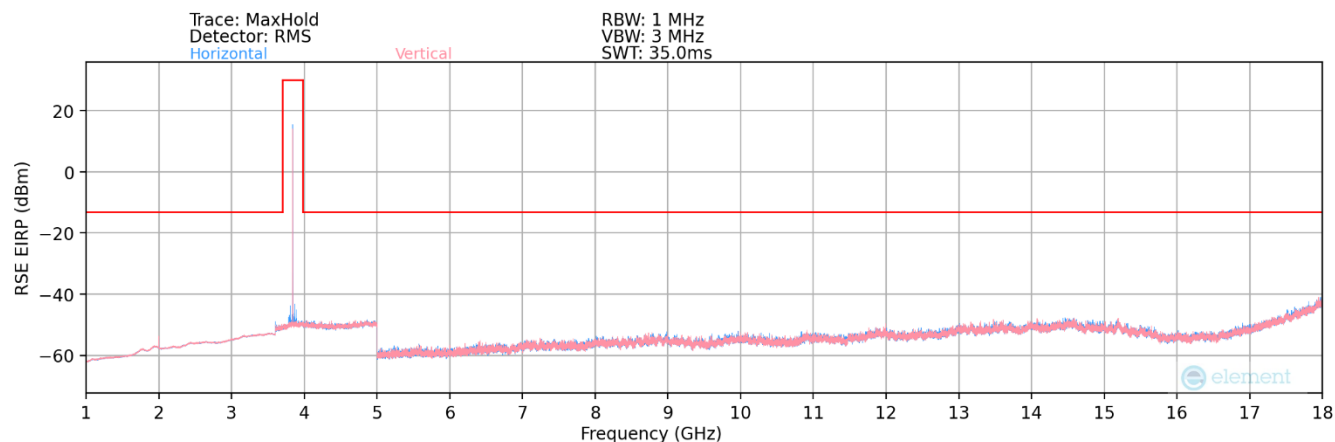
Plot 7-309. Radiated Spurious Plot (NR Band n77 – Ant2)

Bandwidth (MHz):	100
Frequency (MHz):	3840.00
RB / Offset:	1 / 136

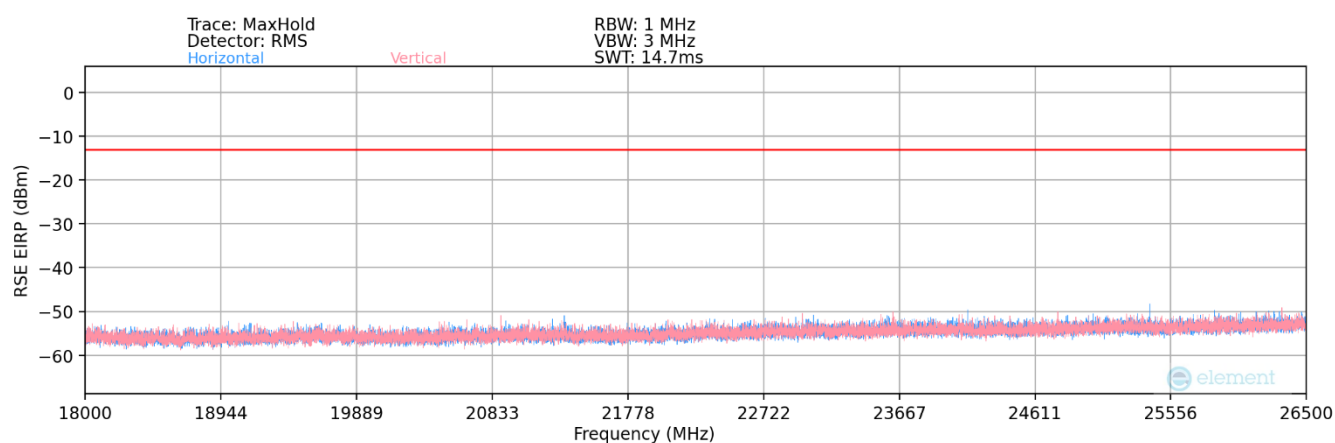
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
90.86	H	-	-	-84.03	14.73	37.70	-59.71	-13.00	-46.71
189.66	H	-	-	-83.91	18.19	41.28	-56.13	-13.00	-43.13
524.75	H	-	-	-83.88	26.08	49.20	-48.20	-13.00	-35.20

Table 7-30. Radiated Spurious Data (NR Band n77 – Mid Channel – Ant2)

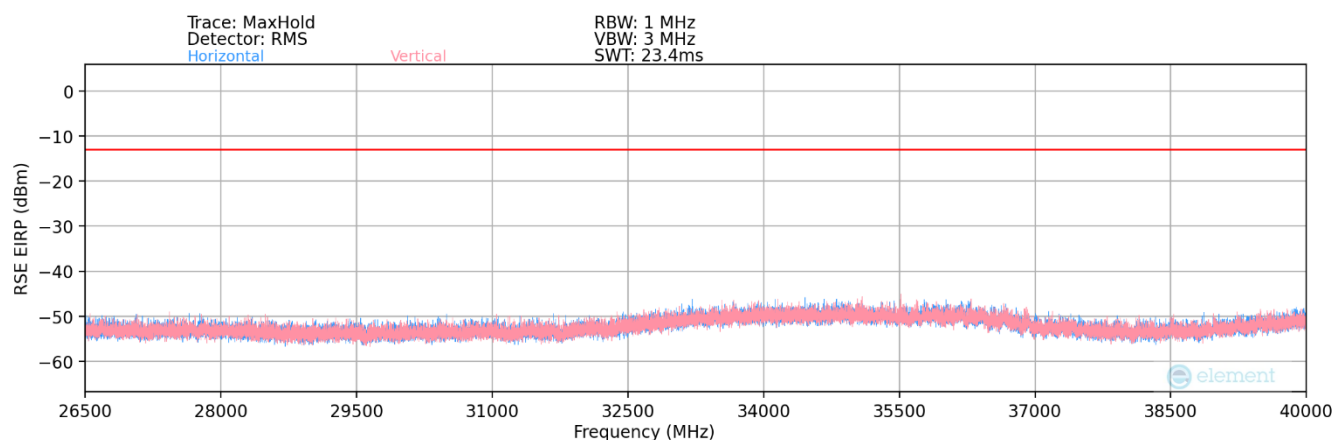
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Plot 7-310. Radiated Spurious Plot (NR Band n77 – Ant2)



Plot 7-311. Radiated Spurious Plot (NR Band n77 – Ant2)



Plot 7-312. Radiated Spurious Plot (NR Band n77 – Ant2)

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Bandwidth (MHz):	100
Frequency (MHz):	3750.00
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]
7500.00	H	-	-	-76.51	9.84	40.33	-54.93	-13.00	-41.93
11250.00	H	-	-	-77.74	12.56	41.82	-53.44	-13.00	-40.44
15000.00	H	-	-	-77.57	14.31	43.74	-51.52	-13.00	-38.52

Table 7-31. Radiated Spurious Data (NR Band n77 – Low Channel – Ant2)

Bandwidth (MHz):	100
Frequency (MHz):	3840.00
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]
7680.00	H	-	-	-75.96	8.96	40.00	-55.26	-13.00	-42.26
11520.00	H	-	-	-78.19	13.06	41.87	-53.38	-13.00	-40.38
15360.00	H	-	-	-77.61	14.26	43.65	-51.61	-13.00	-38.61

Table 7-32. Radiated Spurious Data (NR Band n77 – Mid Channel – Ant2)

Bandwidth (MHz):	100
Frequency (MHz):	3930.00
RB / Offset:	1 / 136

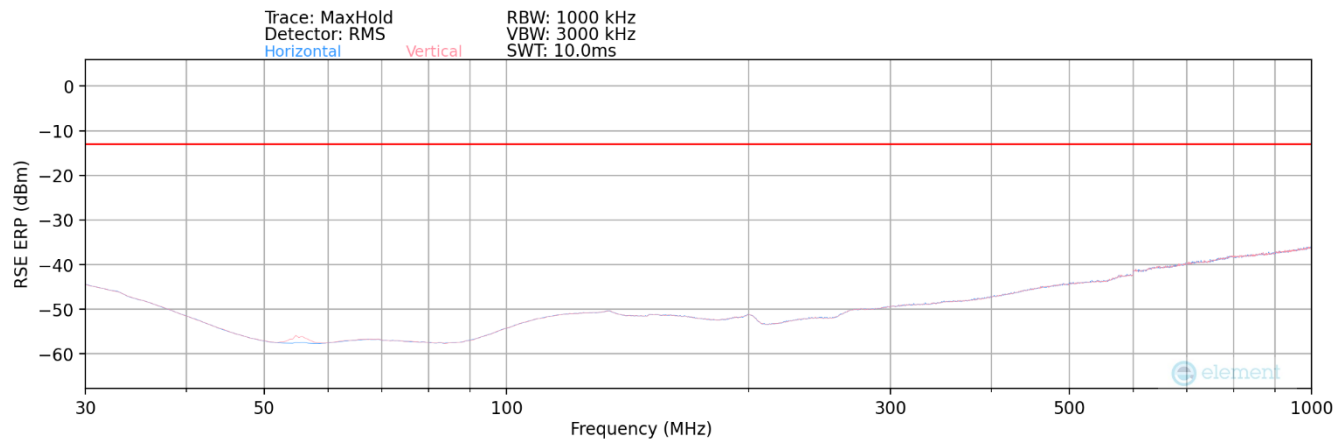
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7860.00	H	201	284	-75.24	9.53	41.29	-53.97	-13.00	-40.97
11790.00	H	-	-	-77.80	13.28	42.48	-52.78	-13.00	-39.78
15720.00	H	-	-	-77.23	14.94	44.71	-50.55	-13.00	-37.55

Table 7-33. Radiated Spurious Data (NR Band n77 – High Channel – Ant2)

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NR Band n77 C-Band – Ant3



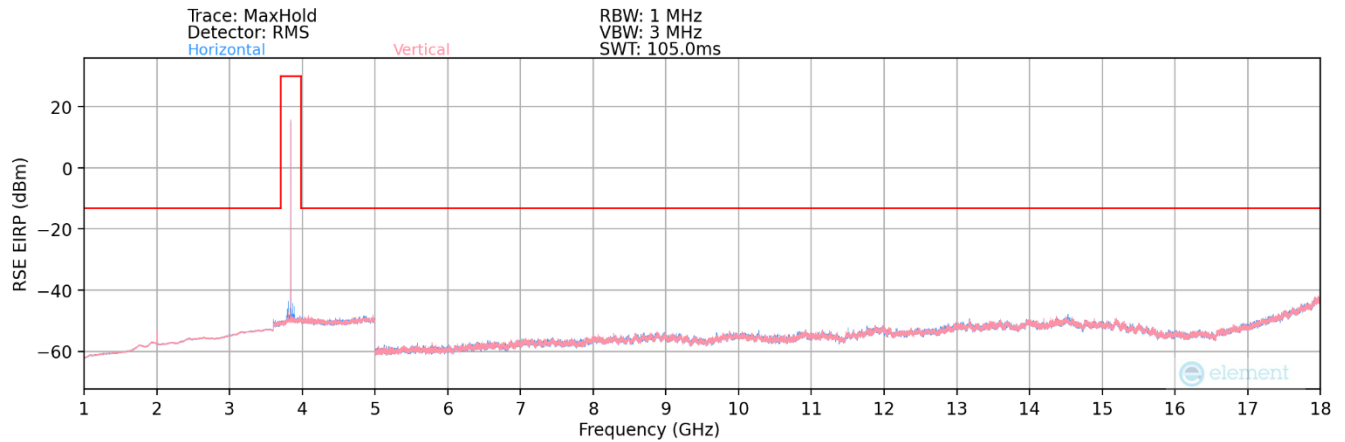
Plot 7-313. Radiated Spurious Plot (NR Band n77 – Ant3)

Bandwidth (MHz):	100
Frequency (MHz):	3840.00
RB / Offset:	1 / 136

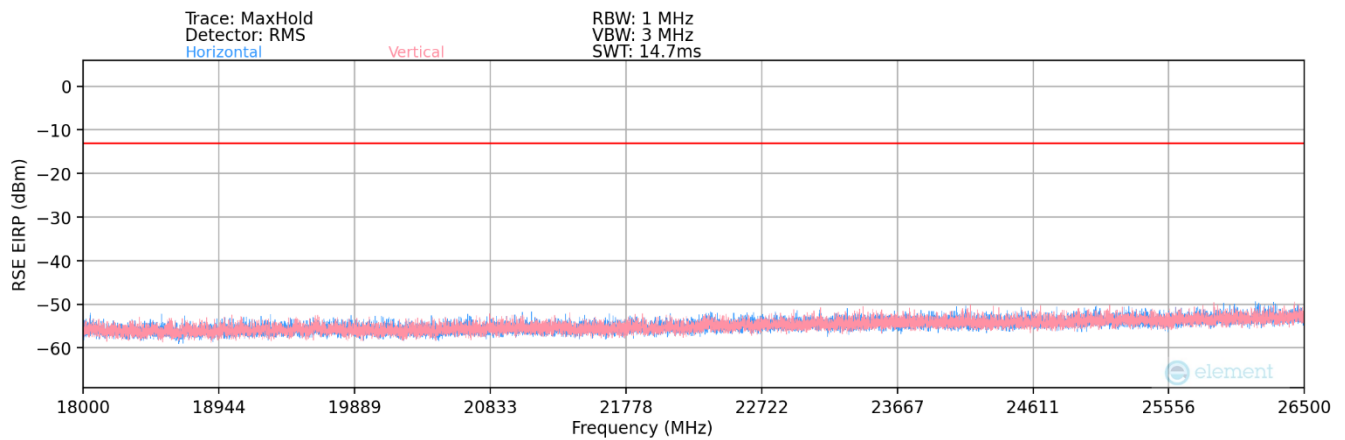
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
120.35	H	-	-	-81.23	20.50	46.27	-51.13	-13.00	-38.13
210.17	H	-	-	-80.77	17.50	43.73	-53.68	-13.00	-40.68
380.52	H	-	-	-80.35	22.74	49.39	-48.01	-13.00	-35.01

Table 7-34. Radiated Spurious Data (NR Band n77 – Mid Channel – Ant3)

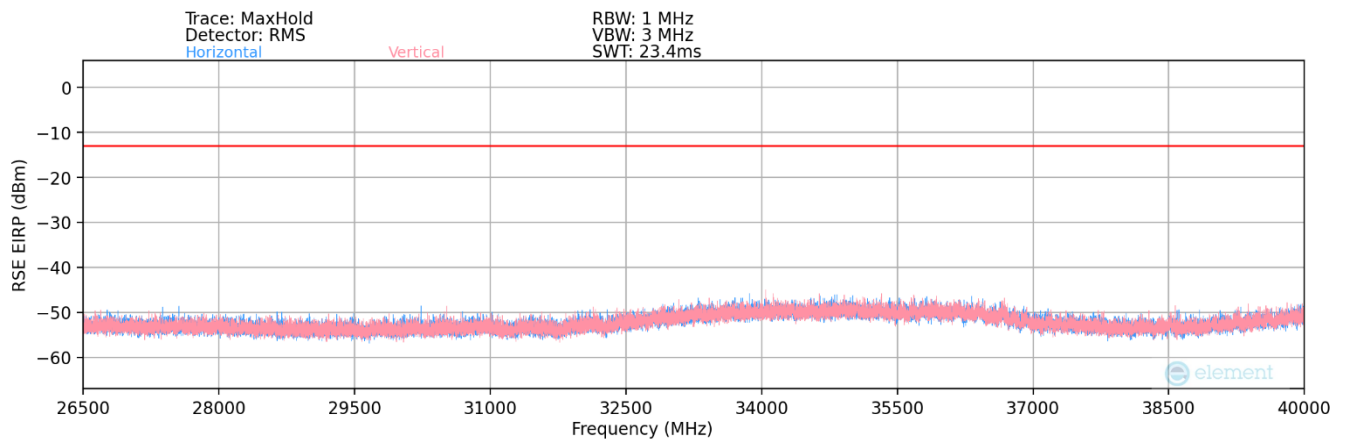
FCC ID: A3LSMX736B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-314. Radiated Spurious Plot (NR Band n77 – Ant3)



Plot 7-315. Radiated Spurious Plot (NR Band n77 – Ant3)



Plot 7-316. Radiated Spurious Plot (NR Band n77 – Ant3)

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Bandwidth (MHz):	100
Frequency (MHz):	3750.00
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]
7500.00	H	-	-	-74.88	4.92	37.04	-58.22	-13.00	-45.22
11250.00	H	-	-	-75.94	8.51	39.57	-55.69	-13.00	-42.69
15000.00	H	-	-	-75.90	11.59	42.69	-52.56	-13.00	-39.56

Table 7-35. Radiated Spurious Data (NR Band n77 – Low Channel – Ant3)

Bandwidth (MHz):	100
Frequency (MHz):	3840.00
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]
7680.00	H	-	-	-74.27	4.23	36.96	-58.29	-13.00	-45.29
11520.00	H	-	-	-76.49	9.03	39.54	-55.72	-13.00	-42.72
15360.00	H	-	-	-76.10	10.67	41.57	-53.68	-13.00	-40.68

Table 7-36. Radiated Spurious Data (NR Band n77 – Mid Channel – Ant3)

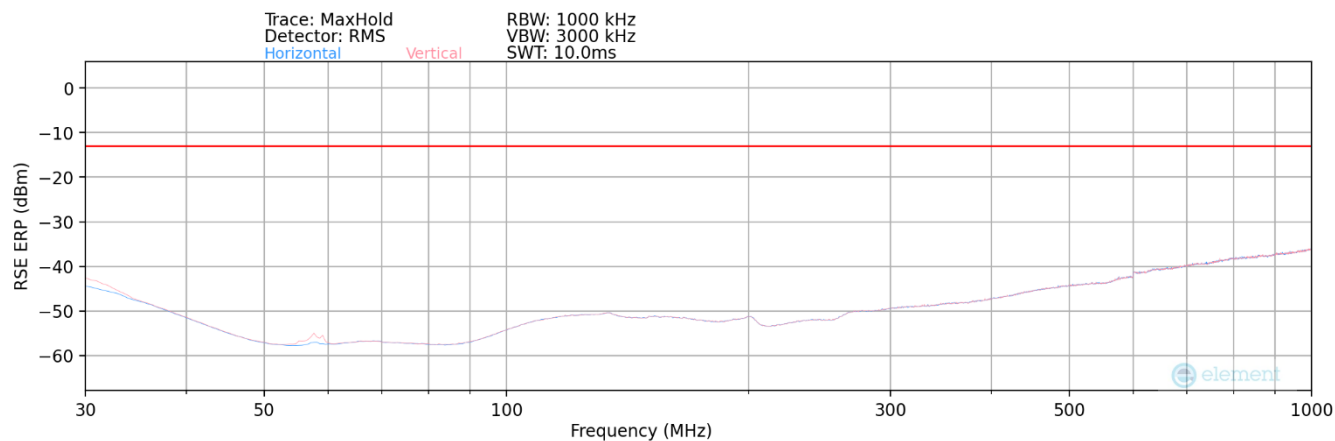
Bandwidth (MHz):	100
Frequency (MHz):	3930.00
RB / Offset:	1 / 136

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]
7860.00	H	-	-	-74.26	4.77	37.51	-57.75	-13.00	-44.75
11790.00	H	-	-	-75.91	9.74	40.83	-54.42	-13.00	-41.42
15720.00	H	-	-	-75.22	9.45	41.23	-54.03	-13.00	-41.03

Table 7-37. Radiated Spurious Data (NR Band n77 – High Channel – Ant3)

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NR Band n77 C-Band – Ant4



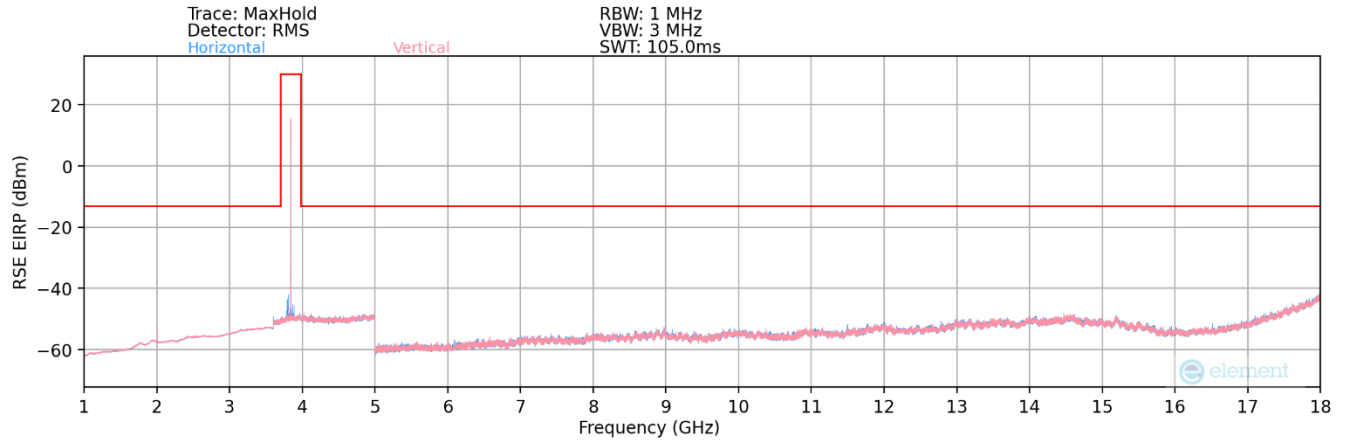
Plot 7-317. Radiated Spurious Plot (NR Band n77 – Ant4)

Bandwidth (MHz):	100
Frequency (MHz):	3840.00
RB / Offset:	1 / 136

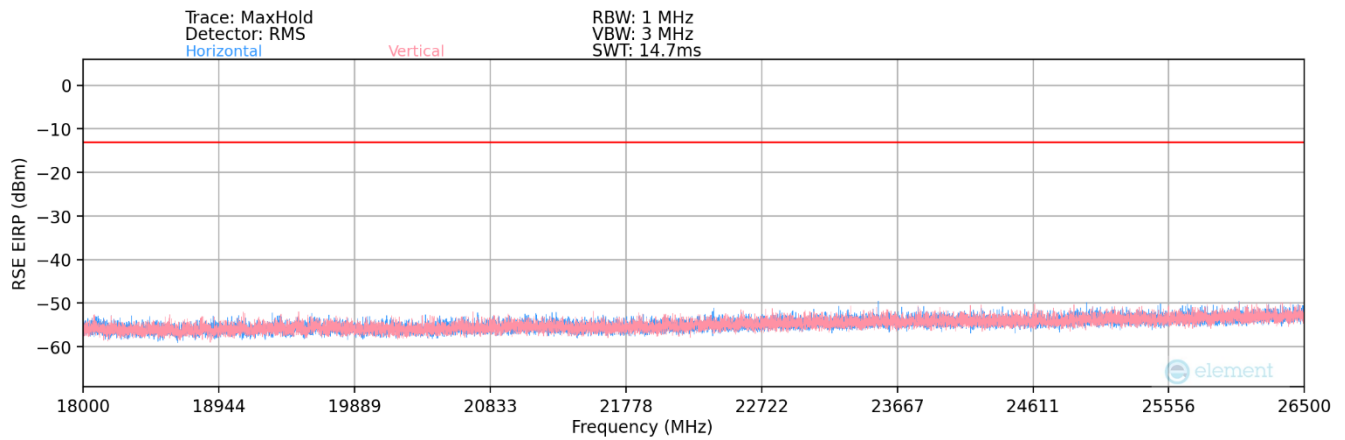
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
54.31	V	286	179	-82.66	13.89	38.23	-59.17	-13.00	-46.17
193.50	V	-	-	-83.97	18.49	41.52	-55.89	-13.00	-42.89
306.08	V	-	-	-83.86	21.25	44.39	-53.01	-13.00	-40.01
488.82	V	-	-	-83.93	25.57	48.64	-48.77	-13.00	-35.77

Table 7-38. Radiated Spurious Data (NR Band n77 – Mid Channel – Ant4)

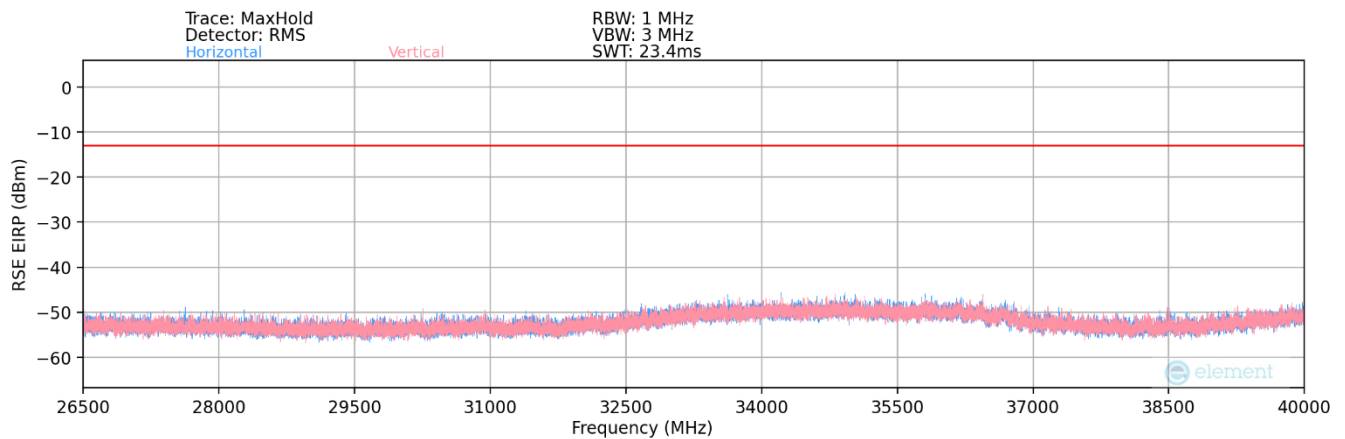
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Plot 7-318. Radiated Spurious Plot (NR Band n77 – Ant4)



Plot 7-319. Radiated Spurious Plot (NR Band n77 – Ant4)



Plot 7-320. Radiated Spurious Plot (NR Band n77 – Ant4)

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Bandwidth (MHz):	100
Frequency (MHz):	3750.00
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]
7500.00	H	-	-	-76.69	4.92	35.23	-60.03	-13.00	-47.03
11250.00	H	-	-	-77.76	8.51	37.75	-57.51	-13.00	-44.51
15000.00	H	-	-	-77.74	11.59	40.85	-54.40	-13.00	-41.40

Table 7-39. Radiated Spurious Data (NR Band n77 – Low Channel – Ant4)

Bandwidth (MHz):	100
Frequency (MHz):	3840.00
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]
7680.00	H	-	-	-75.27	4.23	35.96	-59.29	-13.00	-46.29
11520.00	H	-	-	-76.49	9.03	39.54	-55.72	-13.00	-42.72
15360.00	H	-	-	-78.41	10.67	39.26	-55.99	-13.00	-42.99

Table 7-40. Radiated Spurious Data (NR Band n77 – Mid Channel – Ant4)

Bandwidth (MHz):	100
Frequency (MHz):	3930.00
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]
7860.00	H	-	-	-76.13	4.77	35.64	-59.62	-13.00	-46.62
11790.00	H	-	-	-77.79	9.74	38.95	-56.30	-13.00	-43.30
15720.00	H	-	-	-77.39	9.45	39.06	-56.20	-13.00	-43.20

Table 7-41. Radiated Spurious Data (NR Band n77 – High Channel – Ant4)

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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

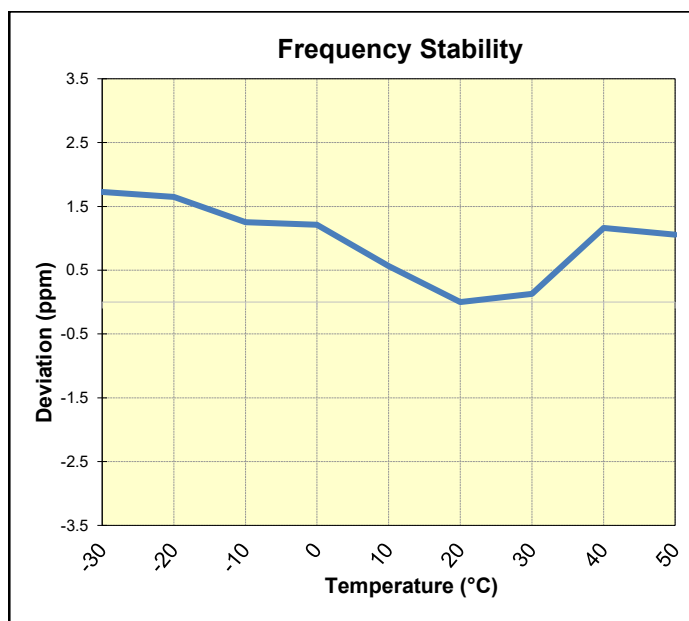
None

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NR Band n77

NR Band n77					
		Operating Frequency (Hz):		3,840,000,000	
		Ref. Voltage (VDC):		4.44	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.44	- 30	3,839,987,985	6,626	0.0001726
		- 20	3,839,987,683	6,324	0.0001647
		- 10	3,839,986,160	4,801	0.0001250
		0	3,839,986,014	4,655	0.0001212
		+ 10	3,839,983,523	2,164	0.0000564
		+ 20 (Ref)	3,839,981,359	0	0.0000000
		+ 30	3,839,981,844	485	0.0000126
		+ 40	3,839,985,818	4,459	0.0001161
		+ 50	3,839,985,420	4,061	0.0001058
Battery Endpoint	3.67	+ 20	3,839,982,114	755	0.0000197

Table 7-42. NR Band n77 Frequency Stability Data



Plot 7-321. NR Band n77 Frequency Stability Chart

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8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Samsung Portable Tablet** **FCC ID: A3LSMX736B** complies with all the requirements of Part 27 of the FCC rules.

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