

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	163	243	9.71	1 / 68	10.37	20.08	0.102	30.00	-9.92
	QPSK	3500.01	H	163	243	9.71	1 / 68	10.34	20.05	0.101	30.00	-9.95
	16-QAM	3500.01	H	163	243	9.71	1 / 68	10.16	19.87	0.097	30.00	-10.13
100 MHz	QPSK (CP-OFDM)	3500.0	H	163	243	9.71	1 / 68	10.36	20.07	0.102	30.00	-9.93
	QPSK (Opposite Pol.)	3500.0	V	294	254	9.71	273 / 0	9.89	19.60	0.091	30.00	-10.40

Table 7-17. EIRP Data (NR Band n77 (PC2) DoD Band) – Ant S2)

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	163	243	9.64	1 / 204	7.20	16.84	0.048	30.00	-13.16
	$\pi/2$ BPSK	3840.00	H	163	245	9.61	1 / 204	10.56	20.17	0.104	30.00	-9.83
	$\pi/2$ BPSK	3930.00	H	163	246	9.59	1 / 136	11.43	21.02	0.126	30.00	-8.98
	QPSK	3750.00	H	163	243	9.64	1 / 204	7.18	16.82	0.048	30.00	-13.18
	QPSK	3840.00	H	163	245	9.61	1 / 204	10.55	20.16	0.104	30.00	-9.84
	QPSK	3930.00	H	163	246	9.59	1 / 136	11.39	20.98	0.125	30.00	-9.02
	16-QAM	3930.00	H	163	246	9.59	1 / 136	11.35	20.94	0.124	30.00	-9.06
100 MHz	QPSK (CP-OFDM)	3930.0	H	163	246	9.59	1 / 136	11.40	20.99	0.126	30.00	-9.01
	QPSK (Opposite Pol.)	3930.0	V	296	259	9.59	273 / 0	11.03	20.62	0.115	30.00	-9.38

Table 7-18. EIRP Data (NR Band n77 (PC2) C Band) – Ant S2)

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	101	75	9.71	1 / 136	12.29	22.00	0.159	30.00	-8.00
	QPSK	3500.01	H	101	75	9.71	1 / 136	12.04	21.75	0.150	30.00	-8.25
	16-QAM	3500.01	H	101	75	9.71	1 / 136	11.61	21.32	0.136	30.00	-8.68
100 MHz	QPSK (CP-OFDM)	3500.0	H	101	75	9.71	1 / 136	11.32	21.03	0.127	30.00	-8.97
	QPSK (Opposite Pol.)	3500.0	V	100	330	9.71	1 / 136	10.52	20.23	0.105	30.00	-9.77

Table 7-19. EIRP Data (NR Band n77 (PC2) DoD Band) – Ant S3)

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	113	27	9.64	1 / 136	11.32	20.96	0.125	30.00	-9.04
	$\pi/2$ BPSK	3840.00	H	113	39	9.61	1 / 68	10.67	20.28	0.107	30.00	-9.72
	$\pi/2$ BPSK	3930.00	H	113	36	9.59	1 / 136	10.30	19.89	0.097	30.00	-10.11
	QPSK	3750.00	H	113	27	9.64	1 / 136	11.28	20.92	0.124	30.00	-9.08
	QPSK	3840.00	H	113	39	9.61	1 / 68	10.65	20.26	0.106	30.00	-9.74
	QPSK	3930.00	H	113	36	9.59	1 / 136	10.29	19.88	0.097	30.00	-10.12
	16-QAM	3750.00	H	113	27	9.64	1 / 136	10.01	19.65	0.092	30.00	-10.35
100 MHz	QPSK (CP-OFDM)	3750.0	H	113	27	9.64	1 / 68	9.97	19.61	0.091	30.00	-10.39
	QPSK (Opposite Pol.)	3750.0	V	102	91	9.64	1 / 136	10.43	20.07	0.102	30.00	-9.93

Table 7-20. EIRP Data (NR Band n77 (PC2) C Band) – Ant S3)

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	101	112	9.71	1 / 204	13.39	23.10	0.204	30.00	-6.90
	QPSK	3500.01	H	101	112	9.71	1 / 204	13.36	23.07	0.203	30.00	-6.93
	16-QAM	3500.01	H	101	112	9.71	1 / 204	13.21	22.92	0.196	30.00	-7.08
100 MHz	QPSK (CP-OFDM)	3500.0	H	101	63	9.71	1 / 204	13.38	23.09	0.204	30.00	-6.91
	QPSK (Opposite Pol.)	3500.0	V	264	241	9.71	1 / 204	12.48	22.19	0.166	30.00	-7.81

Table 7-21. EIRP Data (NR Band n77 (PC2) DoD Band) – Ant S4)

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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	3750.00	H	102	113	9.64	1 / 204	12.04	21.68	0.147	30.00	-8.32
	$\pi/2$ BPSK	3840.00	H	102	112	9.61	1 / 136	12.38	21.99	0.158	30.00	-8.01
	$\pi/2$ BPSK	3930.00	H	100	114	9.59	1 / 68	11.50	21.09	0.128	30.00	-8.91
	QPSK	3750.00	H	102	113	9.64	1 / 204	12.08	21.72	0.149	30.00	-8.28
	QPSK	3840.00	H	102	112	9.61	1 / 136	12.37	21.98	0.158	30.00	-8.02
	QPSK	3930.00	H	100	114	9.59	1 / 68	11.47	21.06	0.128	30.00	-8.94
	16-QAM	3840.00	H	102	112	9.61	1 / 136	12.24	21.85	0.153	30.00	-8.15
100 MHz	QPSK (CP-OFDM)	3840.0	H	100	66	9.61	1 / 136	12.34	21.95	0.157	30.00	-8.05
	QPSK (Opposite Pol.)	3840.0	V	264	241	9.61	1 / 136	11.58	21.19	0.132	30.00	-8.81

Table 7-22. EIRP Data (NR Band n77 (PC2) C Band) – Ant S4)

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7.7 Radiated Spurious Emissions Measurements

Test Overview

Radiated spurious emissions measurements are performed using the field strength conversion method described in ANSI C63.26-2015 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using hybrid (biconical/log) antennas. Measurements on signals operating above 1GHz are performed using vertically and horizontally polarized broadband horn antennas. All measurements are performed as RMS measurements while the EUT is operating at maximum power, and at the appropriate frequencies.

Test Procedures Used

ANSI C63.26-2015 – Section 5.5.4

Test Settings

1. RBW = 100kHz for emissions below 1GHz and 1MHz for emissions above 1GHz
2. VBW \geq 3 x RBW
3. Span = 1.5 times the OBW
4. No. of sweep points \geq 2 x 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.

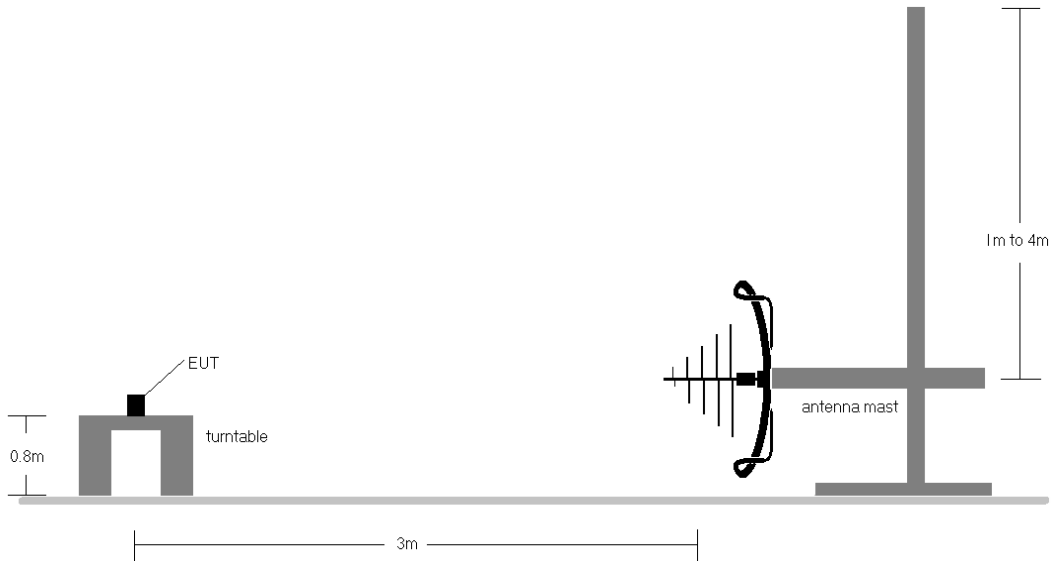


Figure 7-6. Test Instrument & Measurement Setup < 1GHz

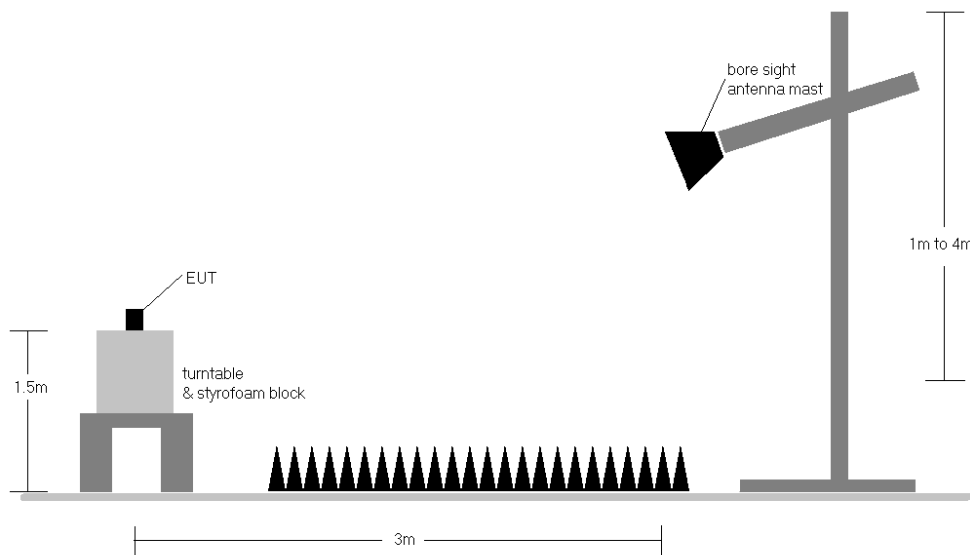


Figure 7-7. Test Instrument & Measurement Setup >1 GHz

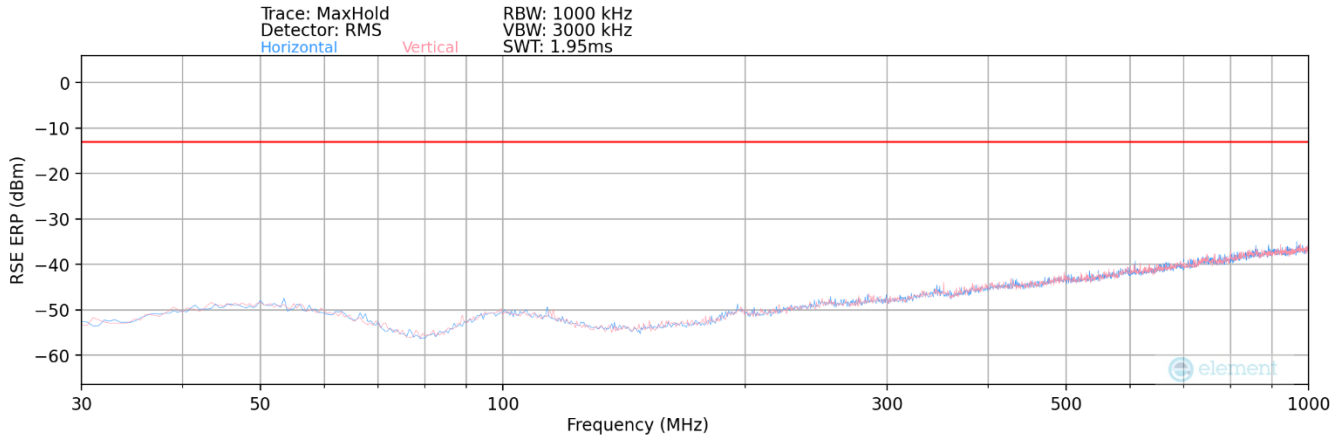
FCC ID: A3LSMX828U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Test Notes

- 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.
- 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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NR Band n77 DoD Band – Ant M2

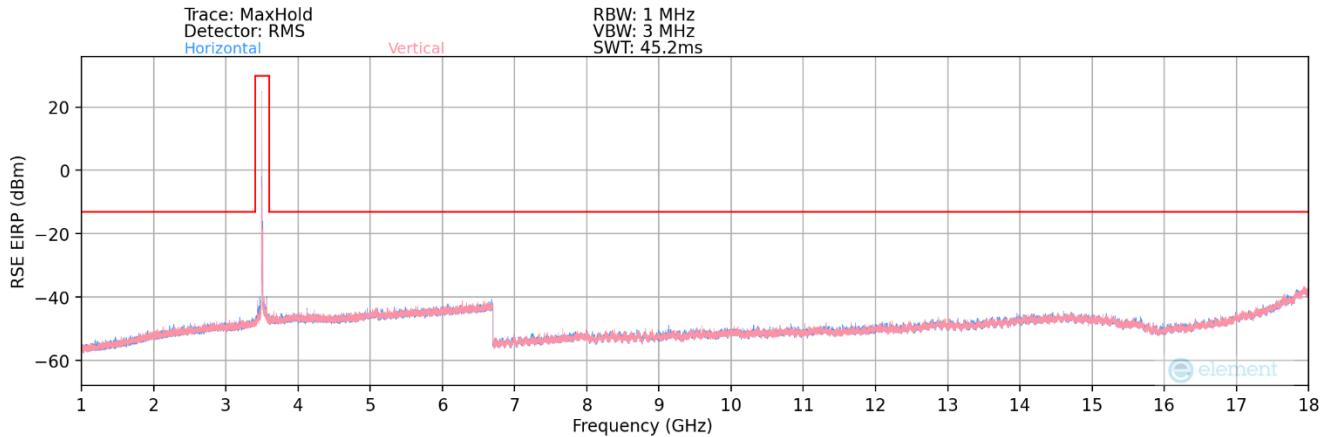


Plot 7-120. Radiated Spurious Plot – Below 1GHz (NR Band n77 - Ant M2)

Bandwidth (MHz):	100
Frequency (MHz):	3500.01
RB / Offset:	1 / 135
Mode:	Stand Alone

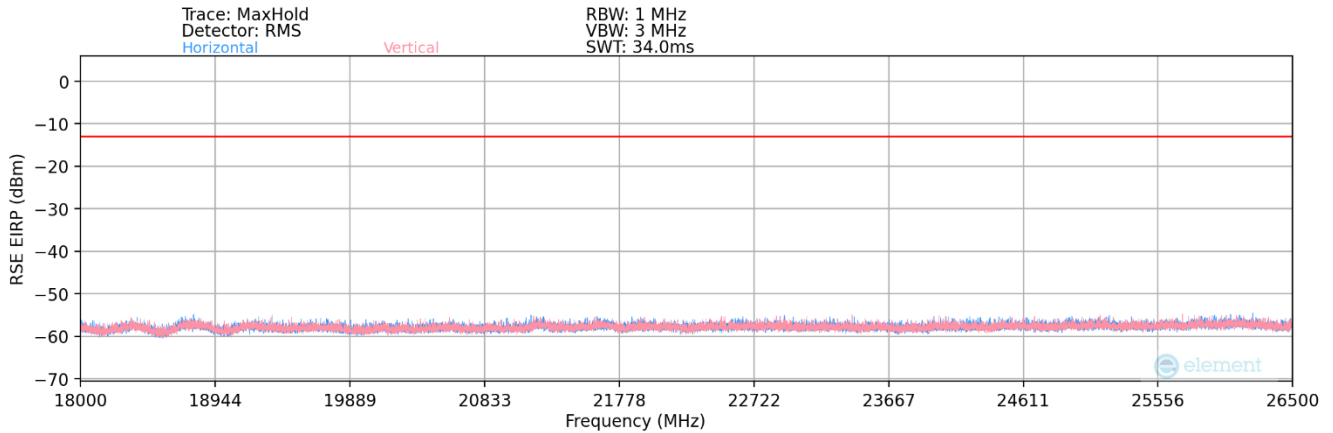
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
608.45	H	-	-	-80.56	26.84	53.28	-44.13	-13.00	-31.13
961.24	H	-	-	-78.15	30.91	59.76	-37.65	-13.00	-24.65

Table 7-23. Radiated Spurious Data – Below 1GHz (NR Band n77 - Ant M2)

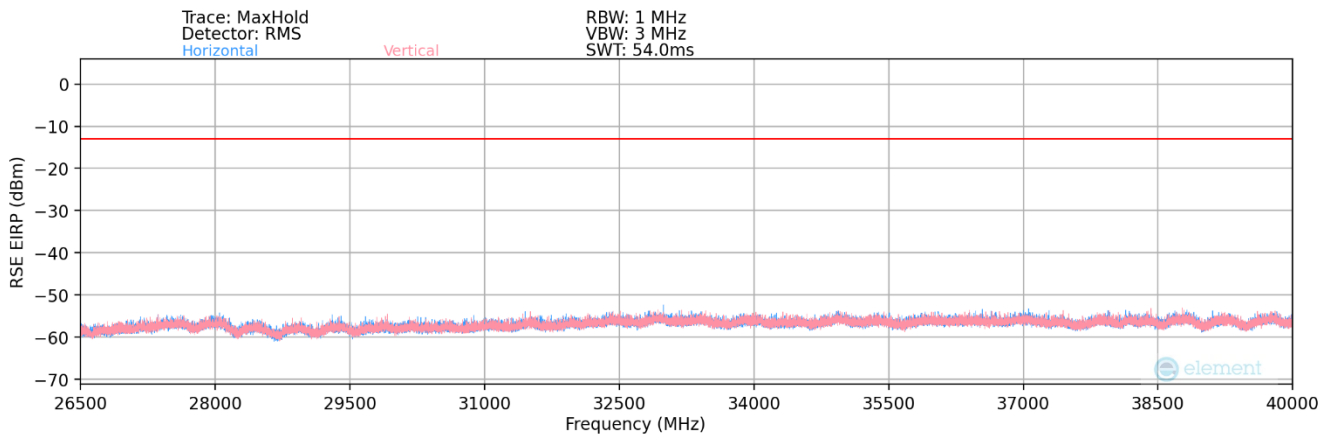


Plot 7-121. Radiated Spurious Plot – 1GHz – 18GHz (NR Band n77 - Ant M2)

FCC ID: A3LSMX828U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-122. Radiated Spurious Plot – 18GHz – 26.5GHz (NR Band n77 - Ant M2)



Plot 7-123. Radiated Spurious Plot – 26.5GHz – 40GHz (NR Band n77 - Ant M2)

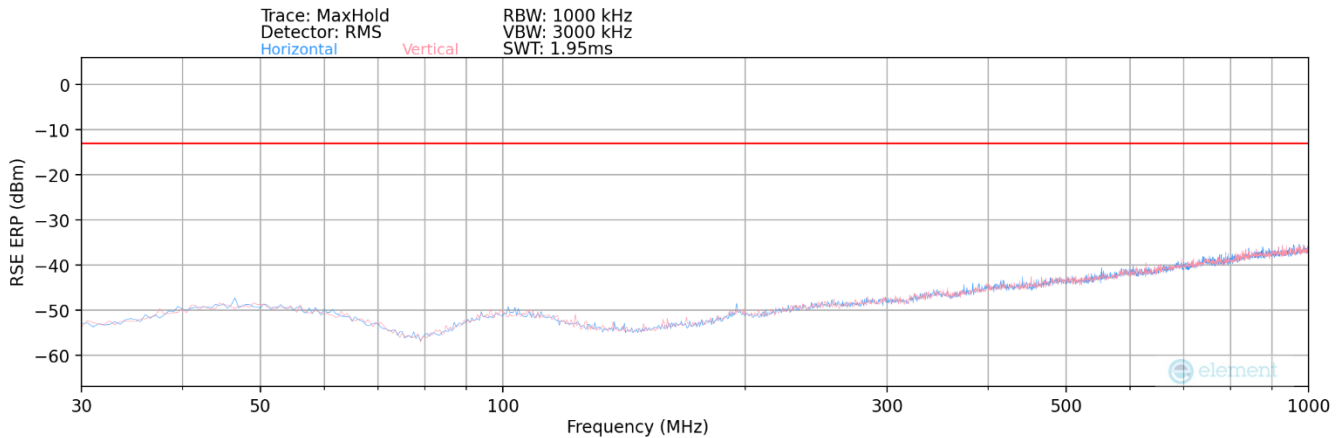
Bandwidth (MHz):	100
Frequency (MHz):	3500.01
RB / Offset:	1 / 135
Mode:	Stand Alone

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]
7000.02	H	-	-	-67.35	6.58	46.23	-49.03	-13.00	-36.03
10500.03	H	-	-	-73.31	11.46	45.15	-50.11	-13.00	-37.11
14000.04	H	-	-	-73.04	15.88	49.84	-45.42	-13.00	-32.42
17500.05	H	-	-	-72.15	20.41	55.26	-40.00	-13.00	-27.00
21000.06	H	-	-	-54.73	-3.52	48.75	-56.05	-13.00	-43.05
24500.07	H	-	-	-55.78	-3.05	48.17	-56.63	-13.00	-43.63
28000.08	H	-	-	-56.81	-0.89	49.30	-55.50	-13.00	-42.50
31500.09	H	-	-	-56.45	0.67	51.22	-53.58	-13.00	-40.58

Table 7-24. Radiated Spurious Data (NR Band n77 – Ant M2)

FCC ID: A3LSMX828U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n77 DoD Band – Ant S2

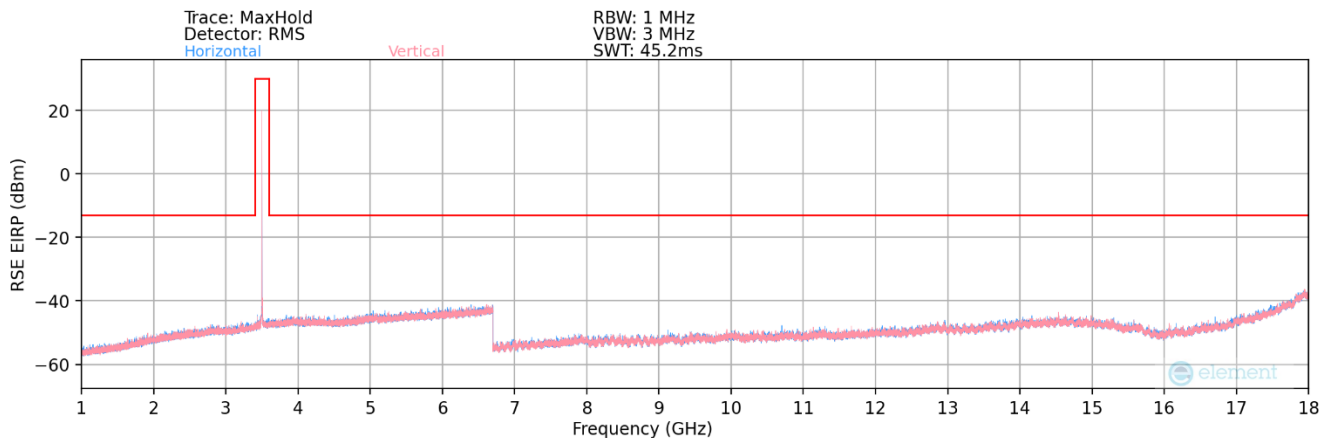


Plot 7-124. Radiated Spurious Plot – Below 1GHz (NR Band n77 – Ant S2)

Bandwidth (MHz):	100
Frequency (MHz):	3500.01
RB / Offset:	1 / 135
Mode:	Stand Alone

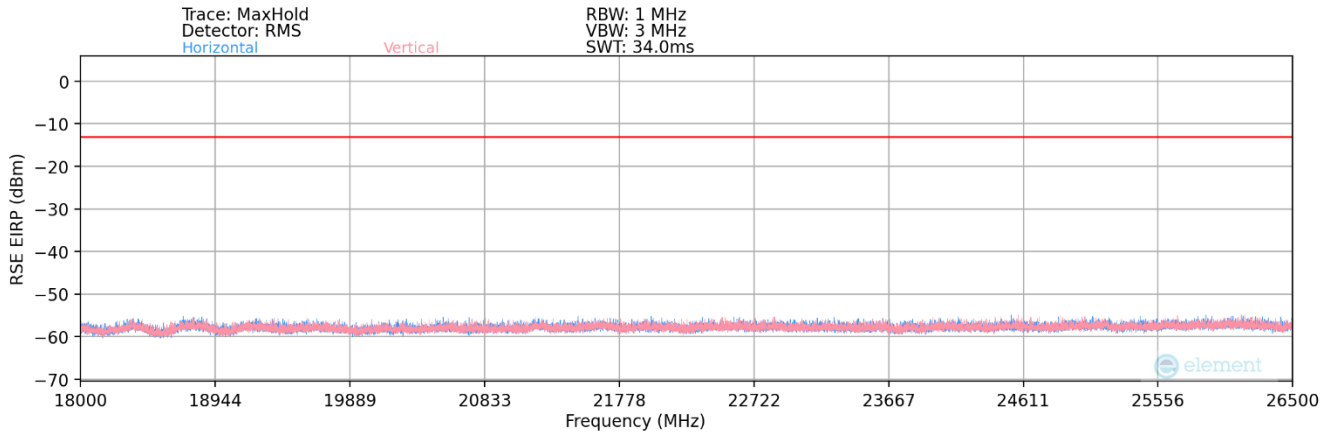
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
196.43	H	-	-	-86.64	18.43	38.79	-58.62	-13.00	-45.62
996.75	H	-	-	-85.34	31.48	53.14	-44.27	-13.00	-31.27

Table 7-25. Radiated Spurious Data – Below 1GHz (NR Band n77 – Ant S2)

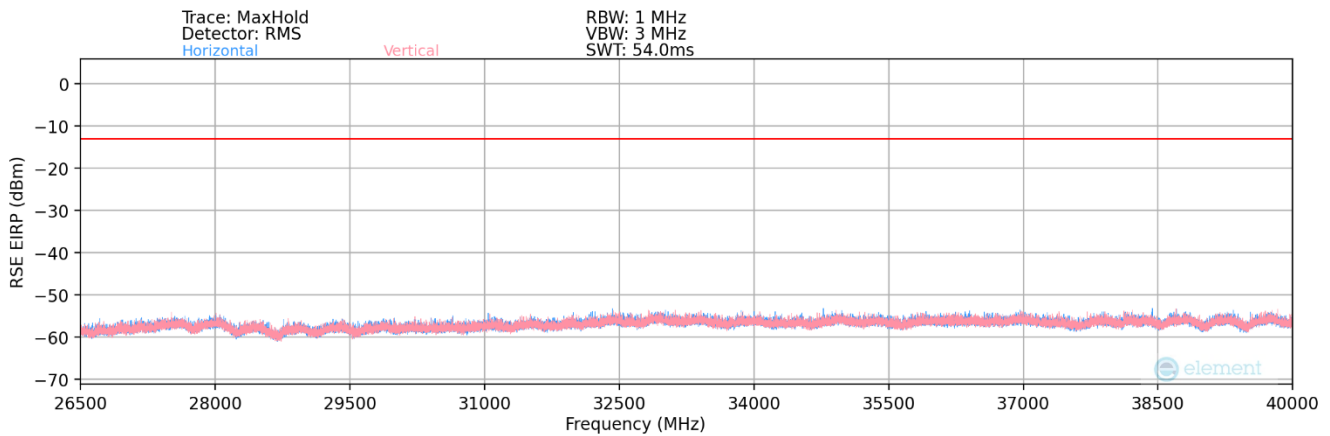


Plot 7-125. Radiated Spurious Plot – 1GHz – 18GHz (NR Band n77 – Ant S2)

FCC ID: A3LSMX828U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-126. Radiated Spurious Plot – 18GHz – 26.5GHz (NR Band n77 – Ant S2)



Plot 7-127. Radiated Spurious Plot – 26.5GHz – 40GHz (NR Band n77 – Ant S2)

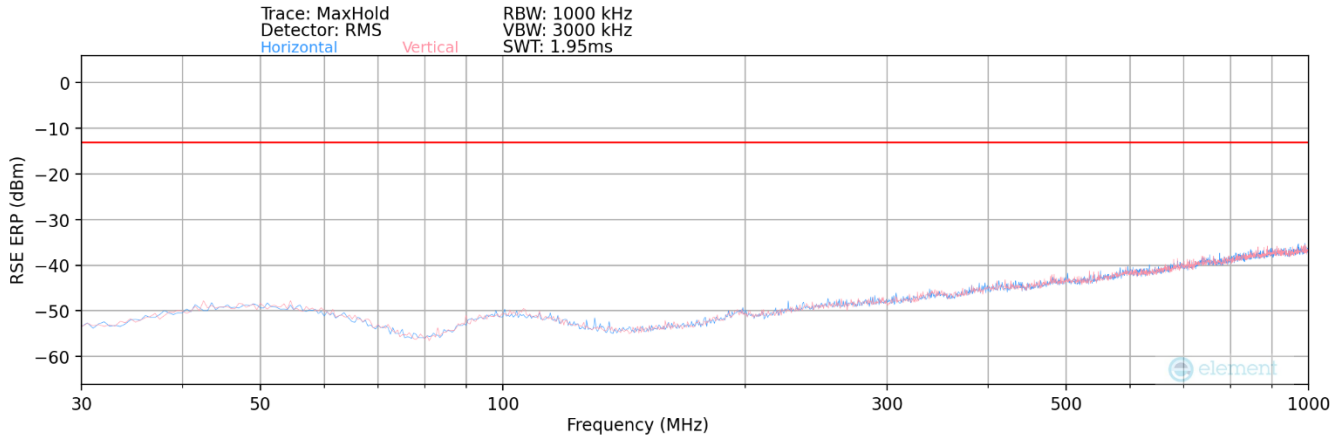
Bandwidth (MHz):	100
Frequency (MHz):	3500.01
RB / Offset:	1 / 135
Mode:	Stand Alone

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]
7000.02	H	-	-	-67.28	6.58	46.30	-48.96	-13.00	-35.96
10500.03	H	-	-	-73.24	11.46	45.22	-50.04	-13.00	-37.04
14000.04	H	-	-	-73.18	15.88	49.70	-45.56	-13.00	-32.56
17500.05	H	-	-	-72.34	20.41	55.07	-40.19	-13.00	-27.19
21000.06	H	-	-	-54.86	-3.52	48.62	-56.18	-13.00	-43.18
24500.07	H	-	-	-55.91	-3.05	48.04	-56.76	-13.00	-43.76
28000.08	H	-	-	-57.04	-0.89	49.07	-55.73	-13.00	-42.73
31500.09	H	-	-	-56.84	0.67	50.83	-53.97	-13.00	-40.97

Table 7-26. Radiated Spurious Data (NR Band n77 – Ant S2)

FCC ID: A3LSMX828U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n77 DoD Band – Ant S4

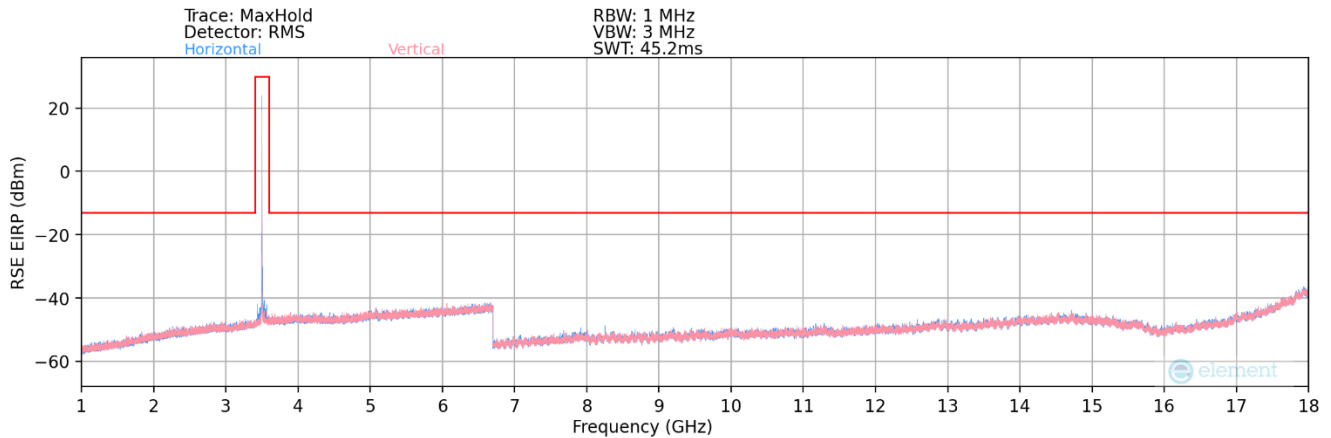


Plot 7-128. Radiated Spurious Plot – Below 1GHz (NR Band n77 – Ant S4)

Bandwidth (MHz):	100
Frequency (MHz):	3500.01
RB / Offset:	1 / 135
Mode:	Stand Alone

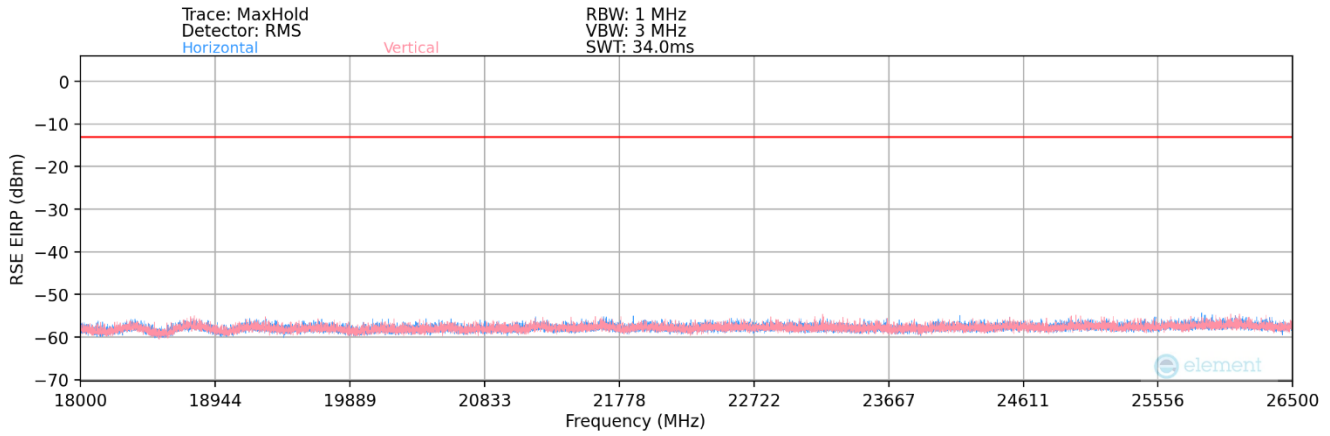
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
996.73	V	-	-	-85.34	31.37	53.03	-44.38	-13.00	-31.38

Table 7-27. Radiated Spurious Data – Below 1GHz (NR Band n77 – Ant S4)

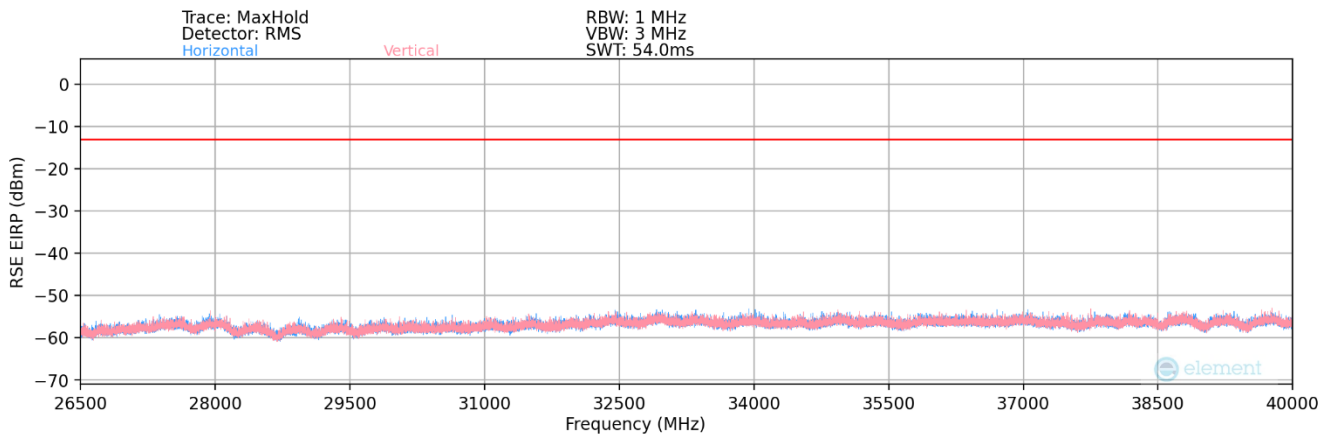


Plot 7-129. Radiated Spurious Plot – 1GHz – 18GHz (NR Band n77 – Ant S4)

FCC ID: A3LSMX828U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-130. Radiated Spurious Plot – 18GHz – 26.5GHz (NR Band n77 – Ant S4)



Plot 7-131. Radiated Spurious Plot – 26.5GHz – 40GHz (NR Band n77 – Ant S4)

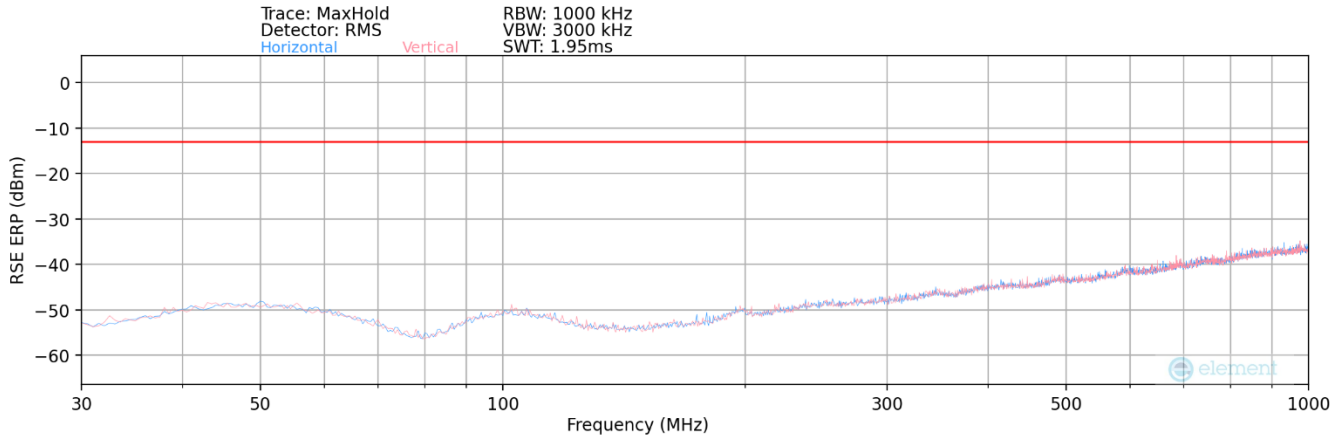
Bandwidth (MHz):	100
Frequency (MHz):	3500.01
RB / Offset:	1 / 135
Mode:	Stand Alone

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]
7000.02	V	-	-	-67.32	6.58	46.26	-49.00	-13.00	-36.00
10500.03	V	-	-	-73.44	11.46	45.02	-50.24	-13.00	-37.24
14000.04	V	-	-	-73.21	15.88	49.67	-45.59	-13.00	-32.59
17500.05	V	-	-	-72.18	20.41	55.23	-40.03	-13.00	-27.03
21000.06	V	-	-	-54.68	-3.52	48.80	-56.00	-13.00	-43.00
24500.07	V	-	-	-55.67	-3.05	48.28	-56.52	-13.00	-43.52
28000.08	V	-	-	-56.76	-0.89	49.35	-55.45	-13.00	-42.45
31500.09	V	-	-	-56.41	0.67	51.26	-53.54	-13.00	-40.54

Table 7-28. Radiated Spurious Data (NR Band n77 – Ant S4)

FCC ID: A3LSMX828U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n77 DoD Band – Ant S3

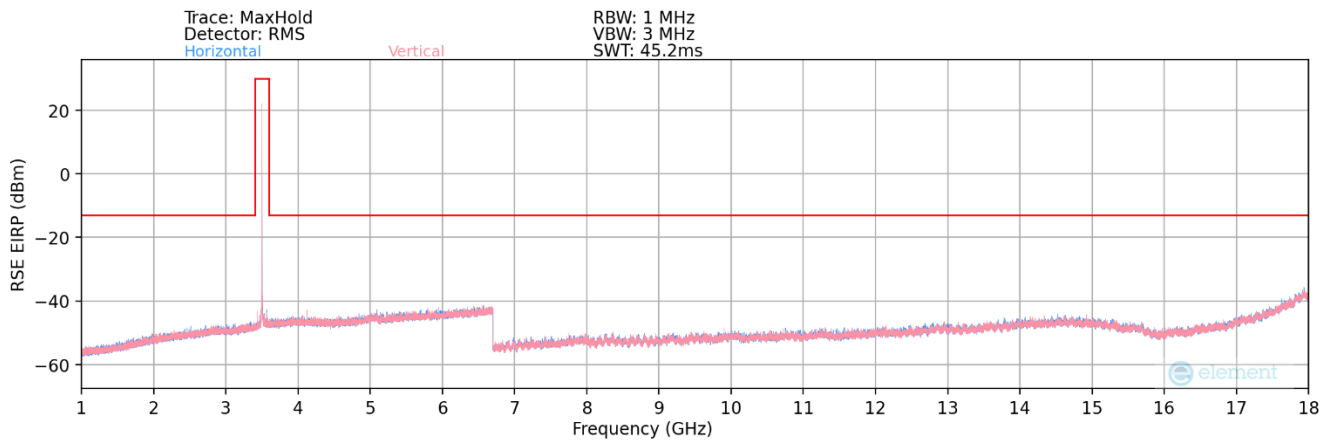


Plot 7-132. Radiated Spurious Plot – Below 1GHz (NR Band n77 – Ant S3)

Bandwidth (MHz):	100
Frequency (MHz):	3500.01
RB / Offset:	1 / 135
Mode:	Stand Alone

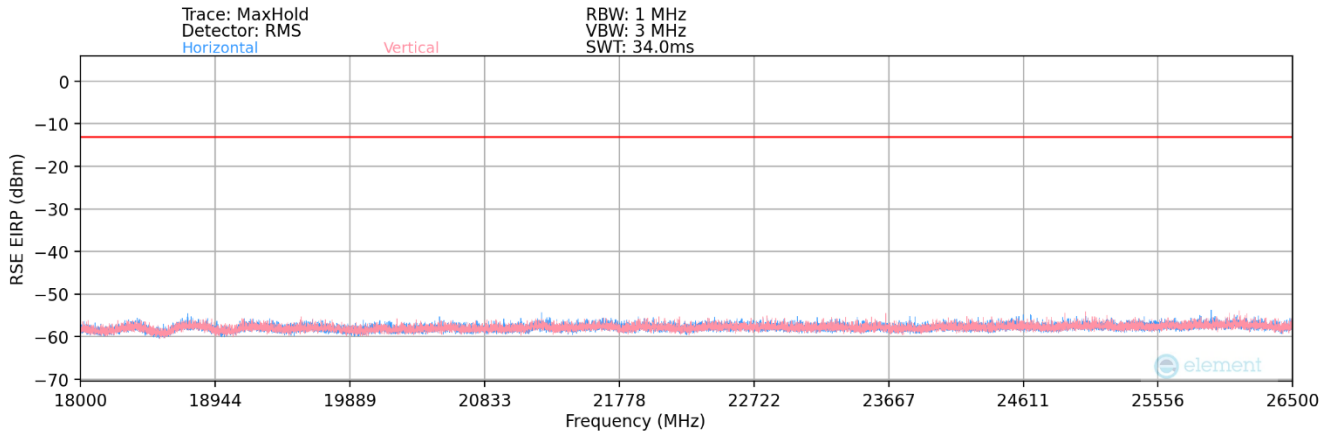
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
687.65	V	-	-	-85.55	28.06	49.51	-47.90	-13.00	-34.90
996.39	V	-	-	-85.49	31.47	52.98	-44.43	-13.00	-31.43

Table 7-29. Radiated Spurious Data – Below 1GHz (NR Band n77 – Ant S3)

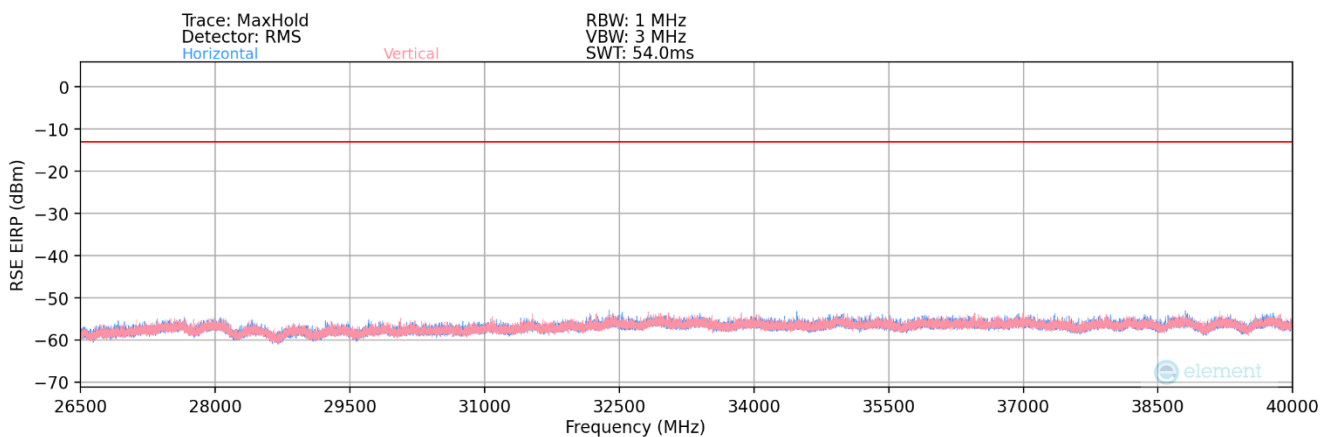


Plot 7-133. Radiated Spurious Plot – 1GHz – 18GHz (NR Band n77 – Ant S3)

FCC ID: A3LSMX828U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140039-05.A3L	Test Dates: 6/10/2024 - 7/18/2024	EUT Type: Portable Tablet	Page 107 of 123



Plot 7-134. Radiated Spurious Plot – 18GHz – 26.5GHz (NR Band n77 – Ant S3)



Plot 7-135. Radiated Spurious Plot – 26.5GHz – 40GHz (NR Band n77 – Ant S3)

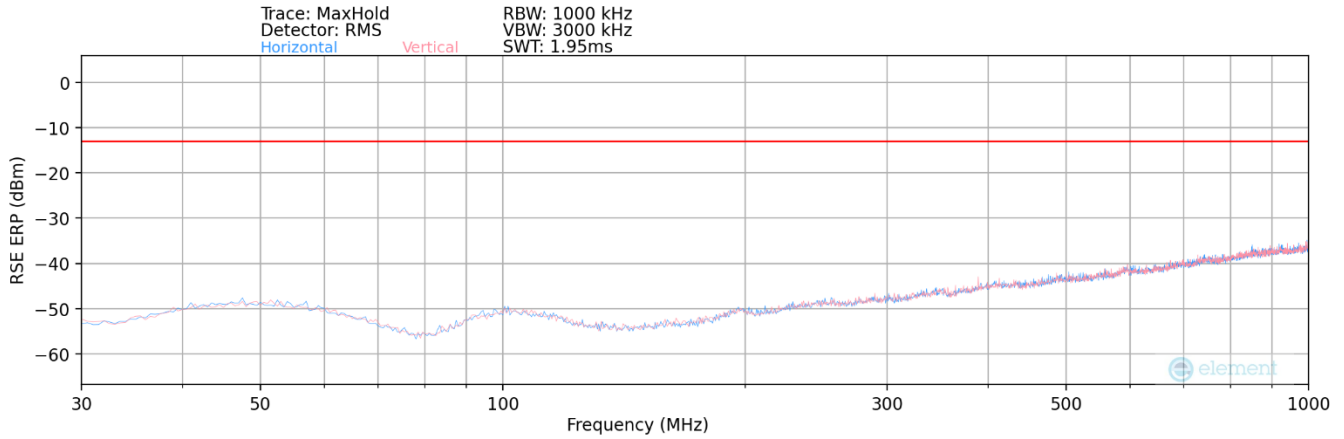
Bandwidth (MHz):	100
Frequency (MHz):	3500.01
RB / Offset:	1 / 135
Mode:	Stand Alone

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]
7000.02	H	-	-	-67.28	6.58	46.30	-48.96	-13.00	-35.96
10500.03	H	-	-	-73.29	11.46	45.17	-50.09	-13.00	-37.09
14000.04	H	-	-	-72.94	15.88	49.94	-45.32	-13.00	-32.32
17500.05	H	-	-	-72.06	20.41	55.35	-39.91	-13.00	-26.91
21000.06	H	-	-	-54.87	-3.52	48.61	-56.19	-13.00	-43.19
24500.07	H	-	-	-55.32	-3.05	48.63	-56.17	-13.00	-43.17
28000.08	H	-	-	-56.49	-0.89	49.62	-55.18	-13.00	-42.18
31500.09	H	-	-	-56.34	0.67	51.33	-53.47	-13.00	-40.47

Table 7-30. Radiated Spurious Data (NR Band n77 – Ant S3)

FCC ID: A3LSMX828U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n77 C Band – Ant M2

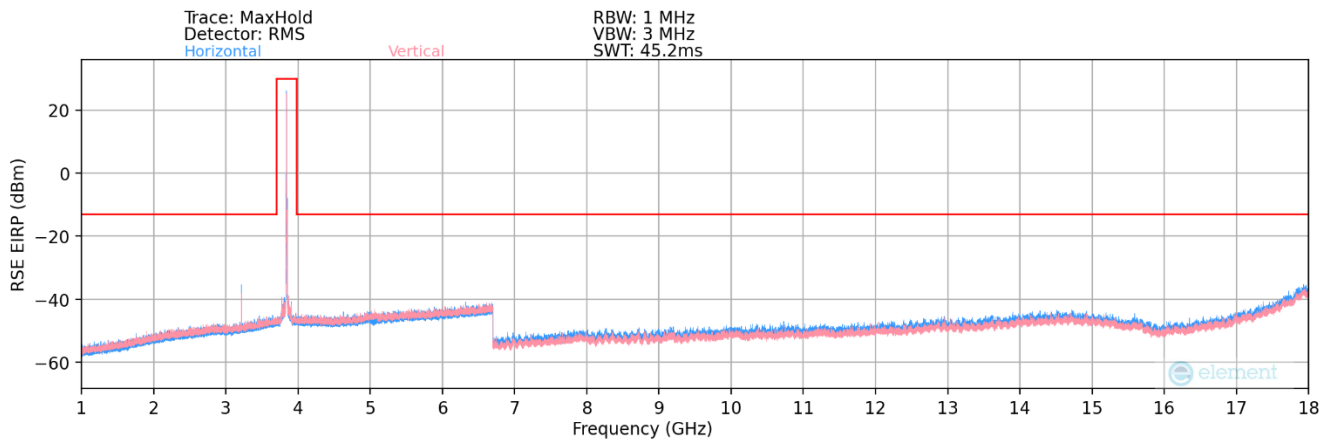


Plot 7-136. Radiated Spurious Plot – Below 1GHz (NR Band n77 – Ant M2)

Bandwidth (MHz):	100
Frequency (MHz):	3840.00
RB / Offset:	1/135
Mode:	Stand Alone

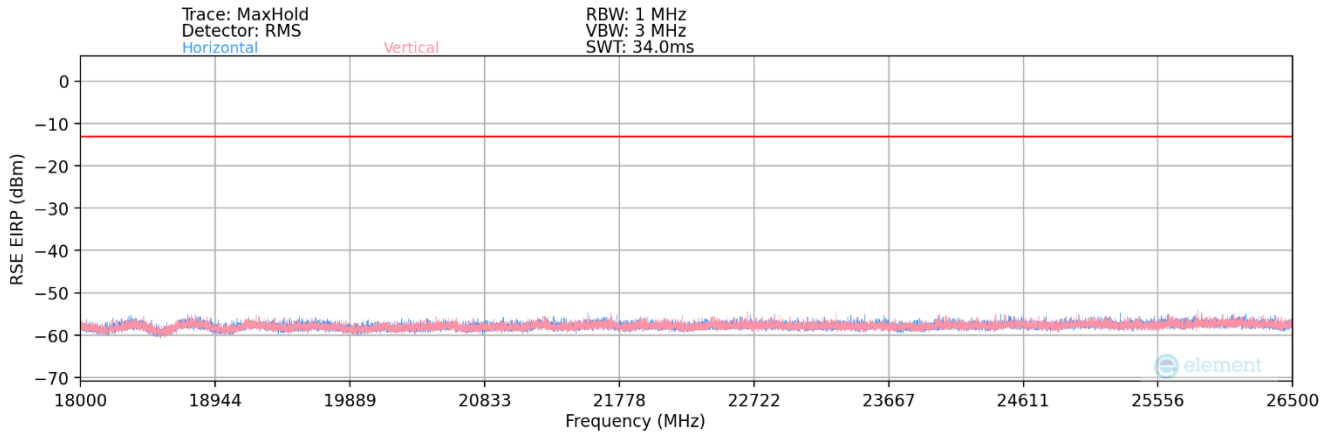
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
998.84	H	-	-	-78.56	31.51	59.95	-37.46	-13.00	-24.46

Table 7-31. Radiated Spurious Data – Below 1GHz (NR Band n77 – Ant M2)

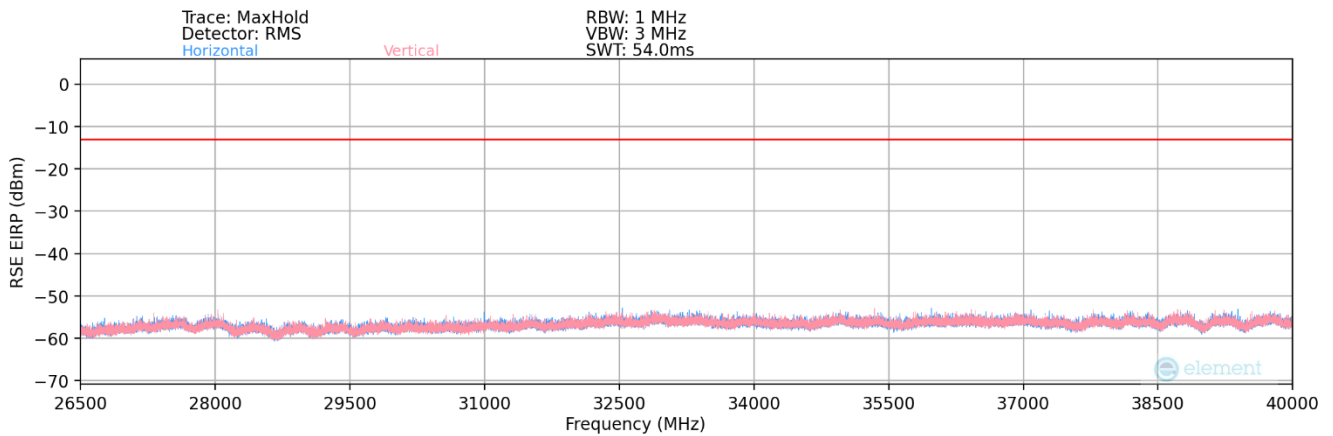


Plot 7-137. Radiated Spurious Plot – 1GHz – 18GHz (NR Band n77 – Ant M2)

FCC ID: A3LSMX828U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140039-05.A3L	Test Dates: 6/10/2024 - 7/18/2024	EUT Type: Portable Tablet	Page 109 of 123



Plot 7-138. Radiated Spurious Plot – 18GHz – 26.5GHz (NR Band n77 – Ant M2)



Plot 7-139. Radiated Spurious Plot – 26.5GHz – 40GHz (NR Band n77 – Ant M2)

Bandwidth (MHz):	100
Frequency (MHz):	3750.00
RB / Offset:	1/135
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]
3125.00	H	124	6	-54.77	6.95	59.18	-36.08	-13.00	-23.08
7500.00	H	-	-	-67.75	7.52	46.77	-48.49	-13.00	-35.49
11250.00	H	-	-	-73.16	12.55	46.39	-48.87	-13.00	-35.87
15000.00	H	-	-	-72.93	17.05	51.12	-44.14	-13.00	-31.14
18750.00	H	-	-	-56.23	-3.24	47.53	-57.27	-13.00	-44.27
22500.00	H	-	-	-57.12	-3.52	46.36	-58.44	-13.00	-45.44
26250.00	H	-	-	-54.38	-2.31	50.31	-54.49	-13.00	-41.49
30000.00	H	-	-	-56.61	0.41	50.80	-54.00	-13.00	-41.00
33750.00	H	-	-	-56.29	-0.51	50.20	-54.60	-13.00	-41.60

Table 7-32. Radiated Spurious Data (NR Band n77 – Low Channel – Ant M2)

FCC ID: A3LSMX828U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140039-05.A3L	Test Dates: 6/10/2024 - 7/18/2024	EUT Type: Portable Tablet	Page 110 of 123

Bandwidth (MHz):	100
Frequency (MHz):	3840.00
RB / Offset:	1/135
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]
3210.00	H	125	16	-52.89	6.95	61.06	-34.20	-13.00	-21.20
7680.00	H	-	-	-68.11	7.29	46.18	-49.08	-13.00	-36.08
11520.00	H	-	-	-71.79	11.44	46.65	-48.61	-13.00	-35.61
15360.00	H	-	-	-73.38	15.66	49.28	-45.98	-13.00	-32.98
19200.00	H	-	-	-56.32	-3.25	47.43	-57.37	-13.00	-44.37
23040.00	H	-	-	-57.24	-3.57	46.19	-58.61	-13.00	-45.61
26880.00	H	-	-	-54.23	-1.79	50.98	-53.82	-13.00	-40.82
30720.00	H	-	-	-56.84	0.38	50.54	-54.26	-13.00	-41.26
34560.00	H	-	-	-56.15	-0.53	50.32	-54.48	-13.00	-41.48

Table 7-33. Radiated Spurious Data (NR Band n77 – Mid Channel – Ant M2)

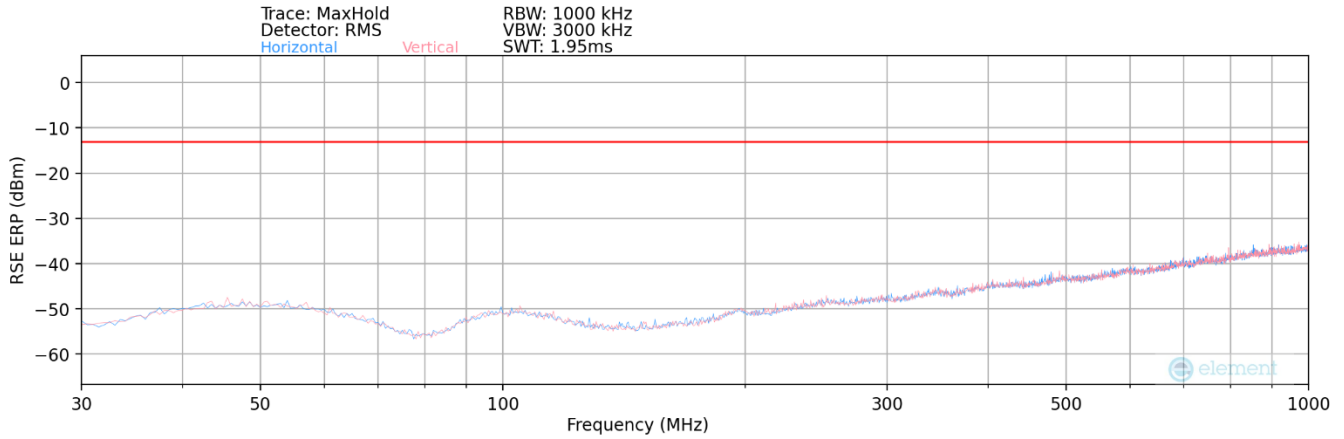
Bandwidth (MHz):	100
Frequency (MHz):	3930.00
RB / Offset:	1/135
Mode:	Stand Alone

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]
3305.00	H	120	22	-51.76	6.95	62.19	-33.07	-13.00	-20.07
7860.00	H	-	-	-70.37	8.43	45.06	-50.20	-13.00	-37.20
11790.00	H	-	-	-72.62	12.66	47.04	-48.22	-13.00	-35.22
15720.00	H	-	-	-73.21	14.97	48.76	-46.50	-13.00	-33.50
19650.00	H	-	-	-57.12	-3.50	46.38	-58.42	-13.00	-45.42
23580.00	H	-	-	-57.39	-3.61	46.00	-58.80	-13.00	-45.80
27510.00	H	-	-	-54.05	-1.15	51.80	-53.00	-13.00	-40.00
31440.00	H	-	-	-56.91	0.64	50.73	-54.07	-13.00	-41.07
35370.00	H	-	-	-56.42	-0.33	50.25	-54.55	-13.00	-41.55

Table 7-34. Radiated Spurious Data (NR Band n77 – High Channel – Ant M2)

FCC ID: A3LSMX828U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140039-05.A3L	Test Dates: 6/10/2024 - 7/18/2024	EUT Type: Portable Tablet	Page 111 of 123

NR Band n77 C Band – Ant S2

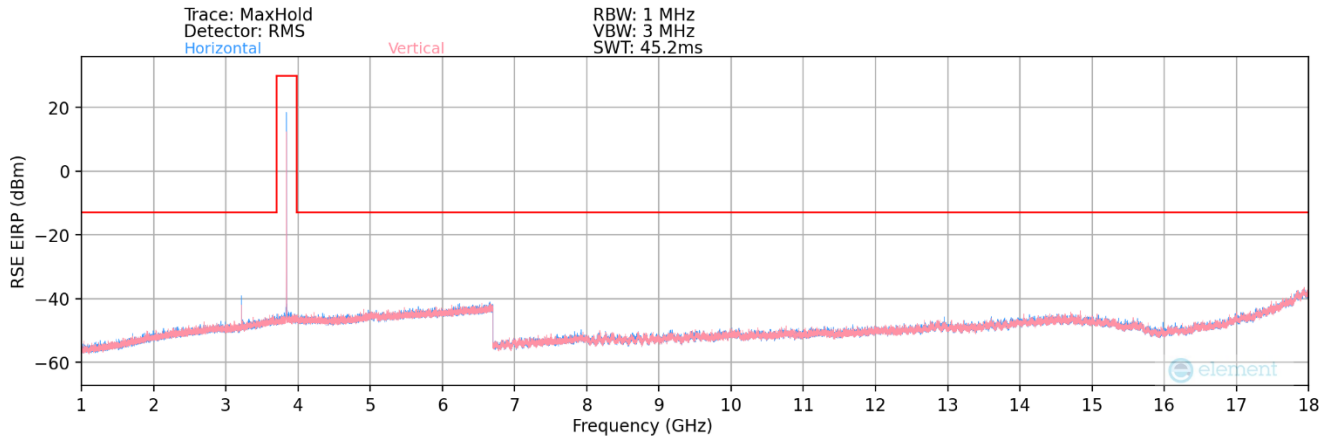


Plot 7-140. Radiated Spurious Plot – Below 1GHz (NR Band n77 – Ant S2)

Bandwidth (MHz):	100
Frequency (MHz):	3840.00
RB / Offset:	1 / 135
Mode:	Stand Alone

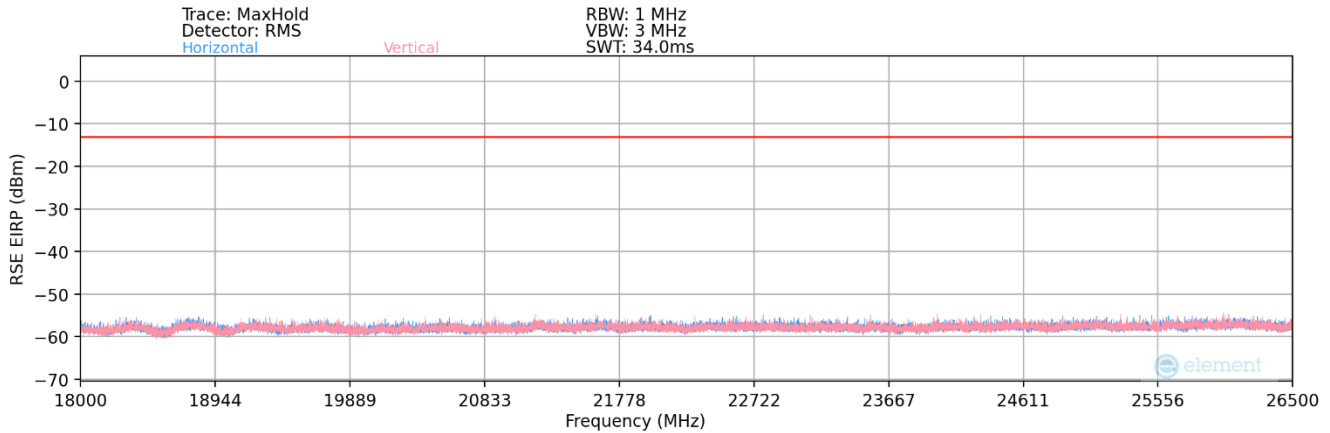
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
798.50	V	-	-	-81.54	29.27	54.73	-42.68	-13.00	-29.68
987.75	V	-	-	-78.51	31.29	59.78	-37.63	-13.00	-24.63

Table 7-35. Radiated Spurious Data – Below 1GHz (NR Band n77 – Ant S2)

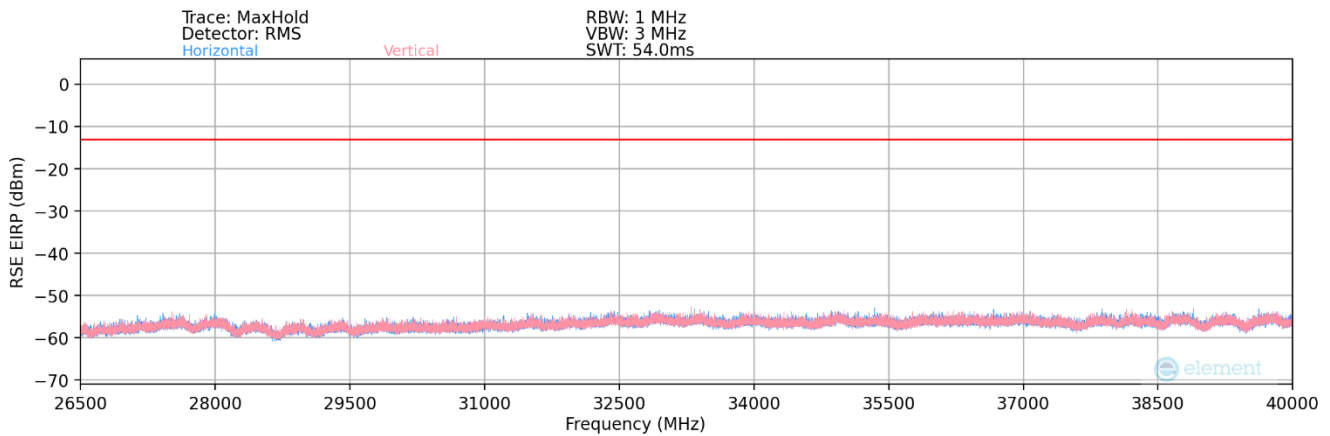


Plot 7-141. Radiated Spurious Plot – 1GHz – 18GHz (NR Band n77 – Ant S2)

FCC ID: A3LSMX828U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140039-05.A3L	Test Dates: 6/10/2024 - 7/18/2024	EUT Type: Portable Tablet	Page 112 of 123



Plot 7-142. Radiated Spurious Plot – 18GHz – 26.5GHz (NR Band n77 – Ant S2)



Plot 7-143. Radiated Spurious Plot – 26.5GHz – 40GHz (NR Band n77 – Ant S2)

Bandwidth (MHz):	100
Frequency (MHz):	3750.00
RB / Offset:	1/135
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]
3125.00	H	121	23	-58.12	6.95	55.83	-39.43	-13.00	-26.43
7500.00	H	-	-	-67.54	7.29	46.75	-48.51	-13.00	-35.51
11250.00	H	-	-	-72.28	11.44	46.16	-49.10	-13.00	-36.10
15000.00	H	-	-	-73.11	15.66	49.55	-45.71	-13.00	-32.71
18750.00	H	-	-	-55.41	-3.25	48.34	-56.46	-13.00	-43.46
22500.00	H	-	-	-55.65	-3.57	47.78	-57.02	-13.00	-44.02
26250.00	H	-	-	-54.34	-1.79	50.87	-53.93	-13.00	-40.93
30000.00	H	-	-	-56.52	0.38	50.86	-53.94	-13.00	-40.94
33750.00	H	-	-	-55.94	-0.53	50.53	-54.27	-13.00	-41.27

Table 7-36. Radiated Spurious Data (NR Band n77 – Low Channel – Ant S2)

FCC ID: A3LSMX828U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140039-05.A3L	Test Dates: 6/10/2024 - 7/18/2024	EUT Type: Portable Tablet	Page 113 of 123

Bandwidth (MHz):	100
Frequency (MHz):	3840.00
RB / Offset:	1 / 135
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]
3210.00	H	125	16	-56.15	6.95	57.80	-37.46	-13.00	-24.46
7680.00	H	-	-	-68.34	7.29	45.95	-49.31	-13.00	-36.31
11520.00	H	-	-	-71.94	11.44	46.50	-48.76	-13.00	-35.76
15360.00	H	-	-	-73.15	15.66	49.51	-45.75	-13.00	-32.75
19200.00	H	-	-	-54.21	-3.25	49.54	-55.26	-13.00	-42.26
23040.00	H	-	-	-54.87	-3.57	48.56	-56.24	-13.00	-43.24
26880.00	H	-	-	-53.95	-1.79	51.26	-53.54	-13.00	-40.54
30720.00	H	-	-	-56.45	0.38	50.93	-53.87	-13.00	-40.87
34560.00	H	-	-	-55.89	-0.53	50.58	-54.22	-13.00	-41.22

Table 7-37. Radiated Spurious Data (NR Band n77 – Mid Channel – Ant S2)

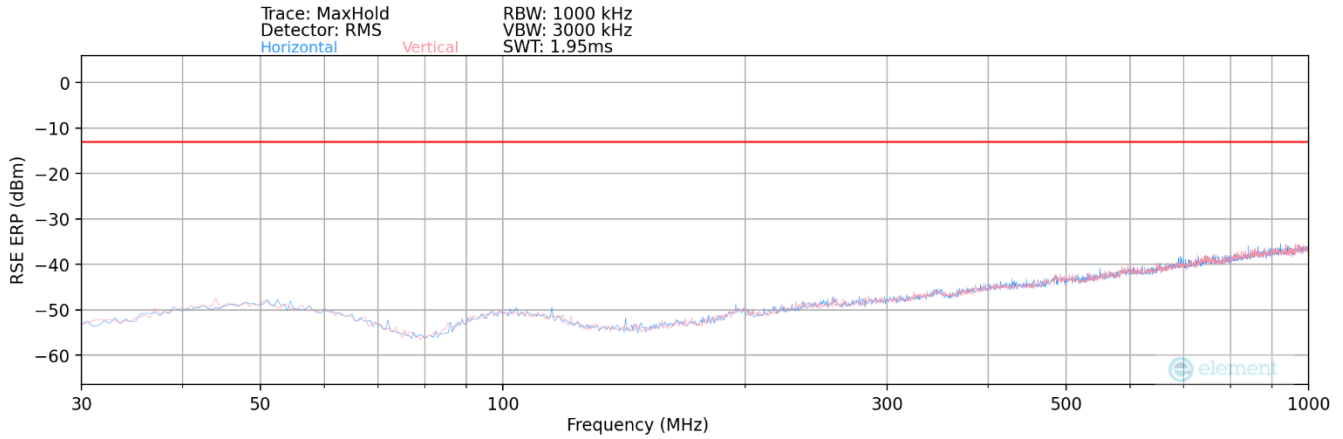
Bandwidth (MHz):	100
Frequency (MHz):	3930.00
RB / Offset:	1/135
Mode:	Stand Alone

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]
3305.00	H	120	22	-55.84	6.95	58.11	-37.15	-13.00	-24.15
7860.00	H	-	-	-70.56	8.43	44.87	-50.39	-13.00	-37.39
11790.00	H	-	-	-72.68	12.66	46.98	-48.28	-13.00	-35.28
15720.00	H	-	-	-73.12	14.97	48.85	-46.41	-13.00	-33.41
19650.00	H	-	-	-57.23	-3.50	46.27	-58.53	-13.00	-45.53
23580.00	H	-	-	-57.44	-3.61	45.95	-58.85	-13.00	-45.85
27510.00	H	-	-	-54.26	-1.15	51.59	-53.21	-13.00	-40.21
31440.00	H	-	-	-56.84	0.64	50.80	-54.00	-13.00	-41.00
35370.00	H	-	-	-56.76	-0.33	49.91	-54.89	-13.00	-41.89

Table 7-38. Radiated Spurious Data (NR Band n77 – High Channel – Ant S2)

FCC ID: A3LSMX828U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140039-05.A3L	Test Dates: 6/10/2024 - 7/18/2024	EUT Type: Portable Tablet	Page 114 of 123

NR Band n77 C Band – Ant S4

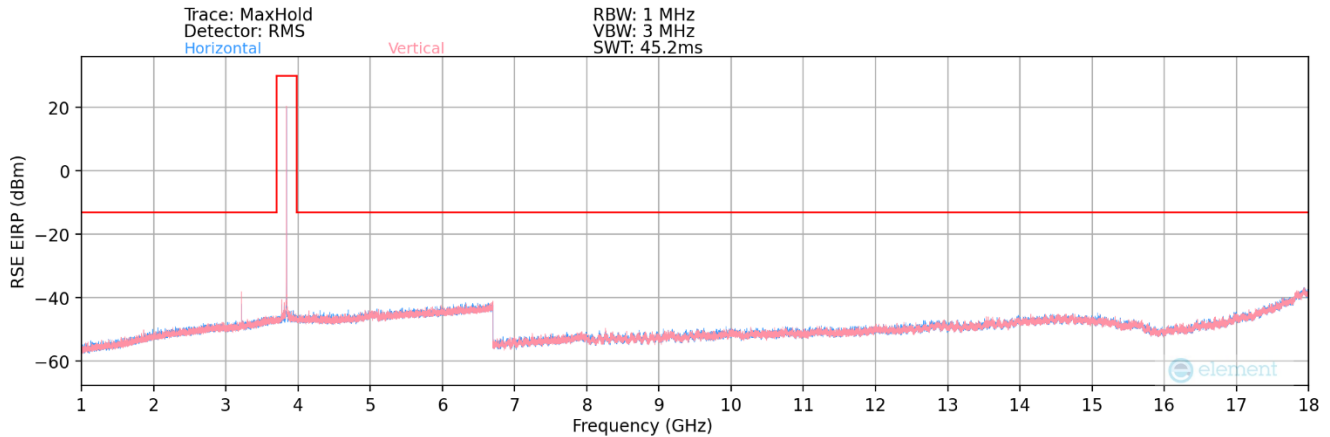


Plot 7-144. Radiated Spurious Plot – Below 1GHz (NR Band n77 – Ant S4)

Bandwidth (MHz):	100
Frequency (MHz):	3840.00
RB / Offset:	1/271
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]
697.17	H	-	-	-80.61	28.12	54.51	-42.90	-13.00	-29.90
924.85	H	-	-	-77.65	30.85	60.20	-37.21	-13.00	-24.21

Table 7-39. Radiated Spurious Data – Below 1GHz (NR Band n77 – AntS4)



Plot 7-145. Radiated Spurious Plot – 1GHz – 18GHz (NR Band n77 – Ant S4)

FCC ID: A3LSMX828U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2405140039-05.A3L	Test Dates: 6/10/2024 - 7/18/2024	EUT Type: Portable Tablet	Page 115 of 123