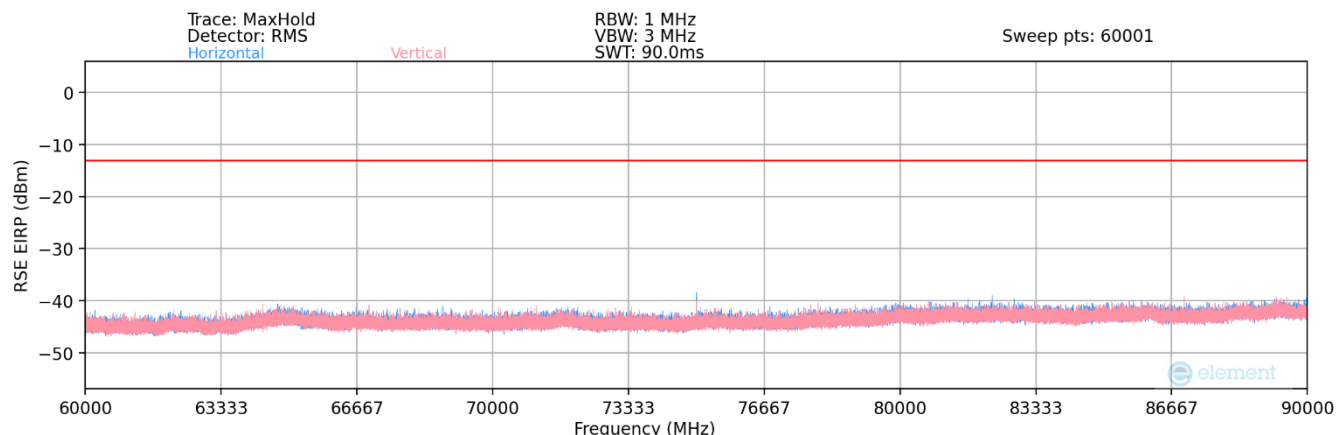


60GHz - 90GHz



Plot 7-207.n258-R2 Radiated Spurious Plot

Spurious Emissions EIRP Sample Calculation (n258-R2)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) – 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Antenna Height [cm]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
49550.16	Low	50	2Tx	QPSK	H	-	-	-43.98	-13.00	-30.98
49999.92	Mid	50	2Tx	QPSK	H	-	-	-44.00	-13.00	-31.00
50449.92	High	50	2Tx	QPSK	H	-	-	-43.95	-13.00	-30.95

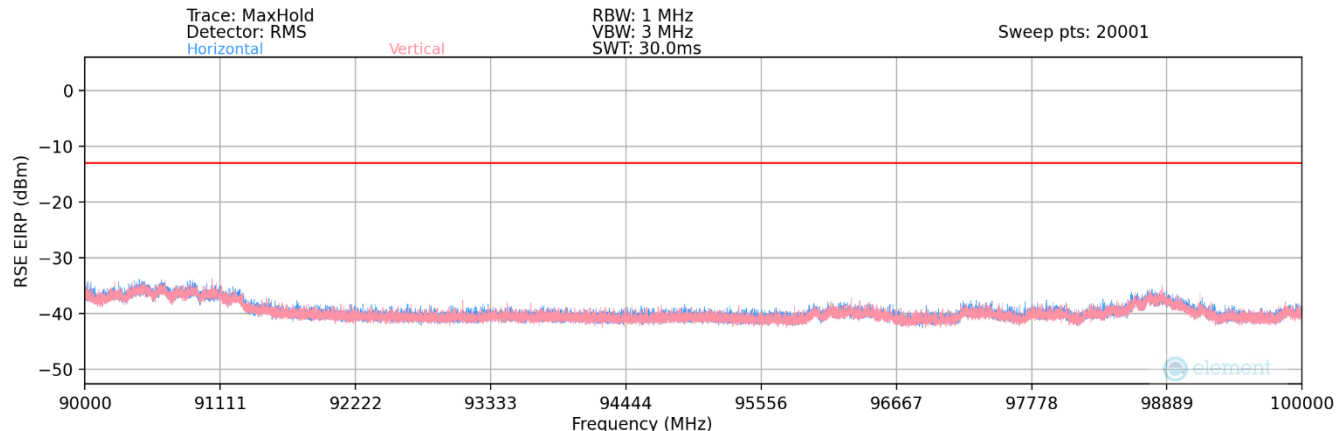
Table 7-45.n258-R2 Radiated Spurious Emissions Table (60GHz - 90GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a test distance of 1 meter.

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90GHz - 100GHz



Plot 7-208.n258-R2 Radiated Spurious Plot

Spurious Emissions EIRP Sample Calculation (n258-R2)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) – 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Positioner Roll [degrees]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
99100.32	Low	50	2Tx	QPSK	H	-	-	-44.87	-13.00	-31.87
99999.84	Mid	50	2Tx	QPSK	H	-	-	-45.05	-13.00	-32.05
100899.84	High	50	2Tx	QPSK	H	-	-	-44.11	-13.00	-31.11

Table 7-46.n258-R2 Radiated Spurious Emissions Table (90GHz - 100GHz)

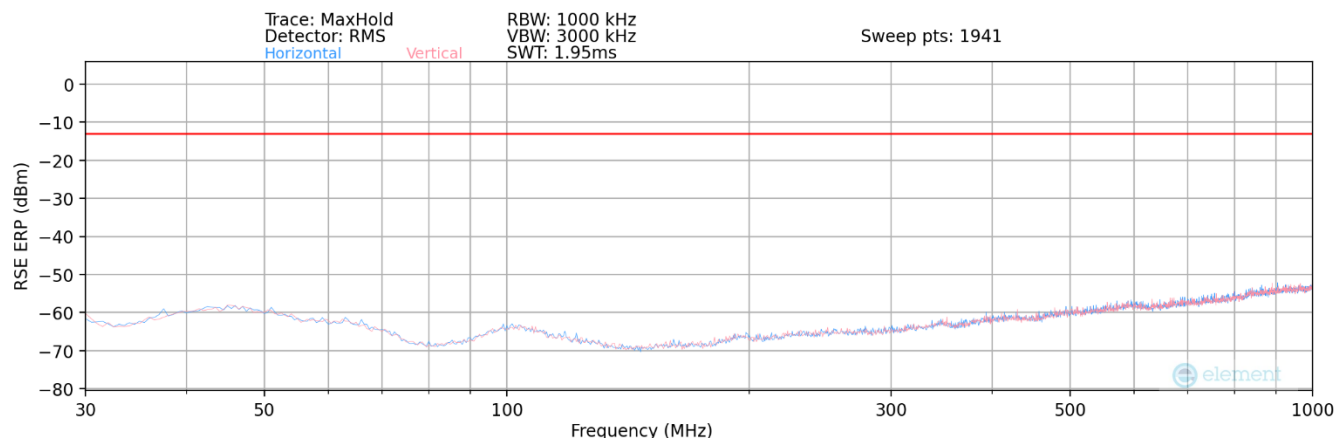
Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a test distance of 1 meter.

FCC ID: A3LSMX828U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Band n261 – Ant 1

30MHz - 1GHz



Plot 7-209.n261 Radiated Spurious Plot

Spurious Emissions ERP Sample Calculation (n261)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE ERP level is calculated by applying the additional factors shown below for a test distance of 3 meter.

$$\text{RSE ERP (dBm)} = \text{Analyzer Level (dBm)} + 107 + \text{AFCL (dB/m)} + 20\text{Log(Dm)} - 104.8 - 2.15 \text{ (dB)}$$

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Antenna Height [cm]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
65.00	Low	50	2Tx	QPSK	H	-	-	-67.02	-13.00	-54.02
51.00	Mid	50	2Tx	QPSK	H	-	-	-64.18	-13.00	-51.18
416.00	High	50	2Tx	QPSK	H	-	-	-71.27	-13.00	-58.27

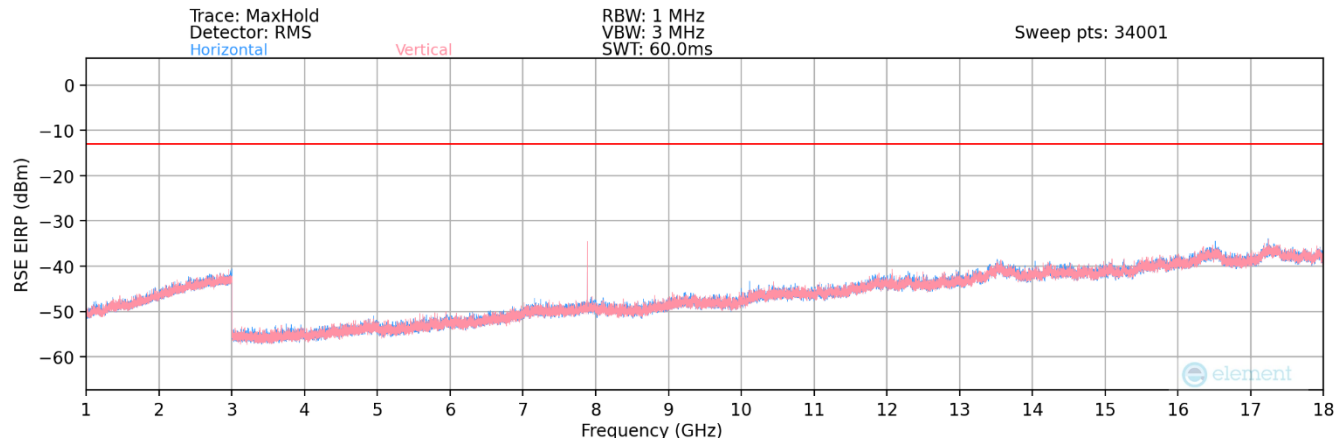
Table 7-47.n261 Radiated Spurious Emissions Table (30MHz - 1GHz)

Notes

The RSE ERP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, and cable losses. Measurements were performed at a distance of 3 meter.

FCC ID: A3LSMX828U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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1GHz - 18GHz



Plot 7-210.n261 Radiated Spurious Plot

Spurious Emissions EIRP Sample Calculation (n261)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 3 meter.

$$\text{RSE EIRP (dBm)} = \text{Analyzer Level (dBm)} + 107 + \text{AFCL (dB/m)} + 20\text{Log(Dm)} - 104.8$$

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Antenna Height [cm]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7829.20	Low	50	2Tx	QPSK	V	276	193	-34.42	-13.00	-21.42
7885.10	Mid	50	2Tx	QPSK	V	110	190	-35.34	-13.00	-22.34
7829.10	High	50	2Tx	QPSK	V	107	186	-35.72	-13.00	-22.72

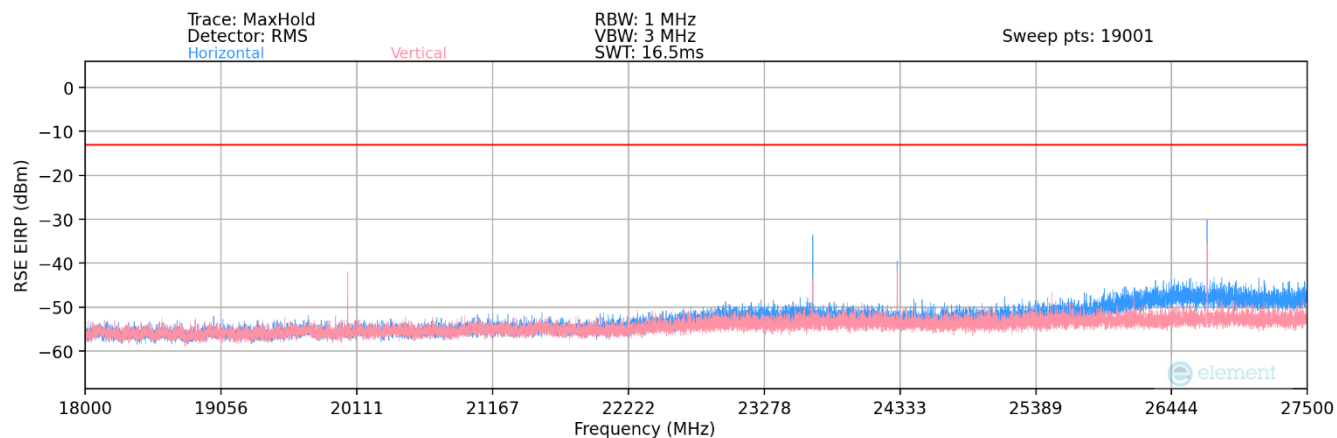
Table 7-48.n261 Radiated Spurious Emissions Table (1GHz - 18GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, and cable losses. Measurements were performed at a test distance of 3 meter.

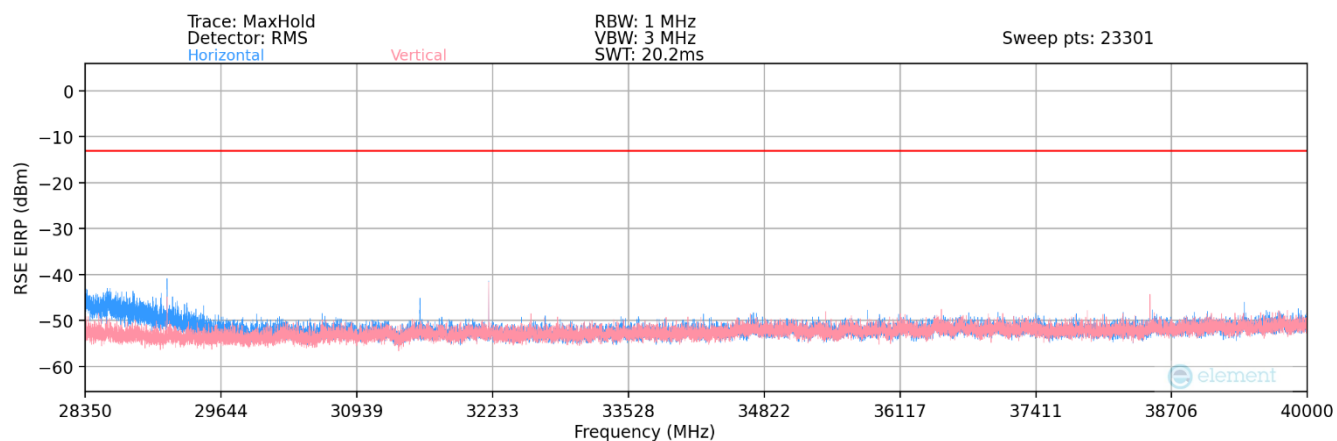
FCC ID: A3LSMX828U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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18GHz-27.5GHz



Plot 7-211.n261 Radiated Spurious Plot

28.35GHz-40GHz



Plot 7-212.n261 Radiated Spurious Plot

FCC ID: A3LSMX828U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Spurious Emissions EIRP Sample Calculation (n261)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

$$\text{RSE EIRP (dBm)} = \text{Analyzer Level (dBm)} + 107 + \text{AFCL (dB/m)} + 20\text{Log(Dm)} - 104.8$$

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Antenna Height [cm]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
26262.00	Low	50	2Tx	QPSK	H	150	8	-31.65	-13.00	-18.65
28789.00	Low	50	2Tx	QPSK	H	150	350	-42.03	-13.00	-29.03
23654.00	Mid	50	2Tx	QPSK	H	150	323	-39.55	-13.00	-26.55
26720.00	Mid	50	2Tx	QPSK	H	150	9	-33.42	-13.00	-20.42
29129.00	Mid	50	2Tx	QPSK	H	150	360	-46.41	-13.00	-33.41
25334.00	High	50	2Tx	QPSK	H	150	74	-41.44	-13.00	-28.44
27328.00	High	50	2Tx	QPSK	H	150	346	-34.19	-13.00	-21.19
29322.00	High	50	2Tx	QPSK	H	150	14	-43.08	-13.00	-30.08

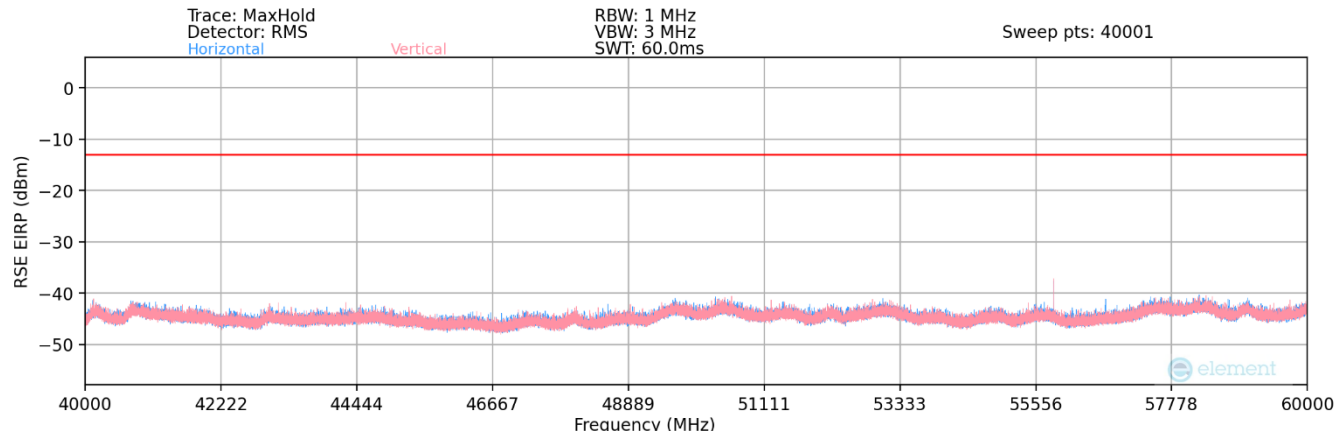
Table 7-49.n261 Radiated Spurious Emissions Table (18GHz - 40GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, and cable losses. Measurements were performed at a test distance of 1 meter.

FCC ID: A3LSMX828U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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40GHz - 60GHz



Plot 7-213.n261 Radiated Spurious Plot

Spurious Emissions EIRP Sample Calculation (n261)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1.5 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) – 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Antenna Height [cm]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
55050.70	Low	50	2Tx	QPSK	V	150	261	-28.28	-13.00	-15.28
55850.99	Mid	50	2Tx	QPSK	V	150	255	-30.25	-13.00	-17.25
56650.54	High	50	2Tx	QPSK	V	150	272	-29.85	-13.00	-16.85

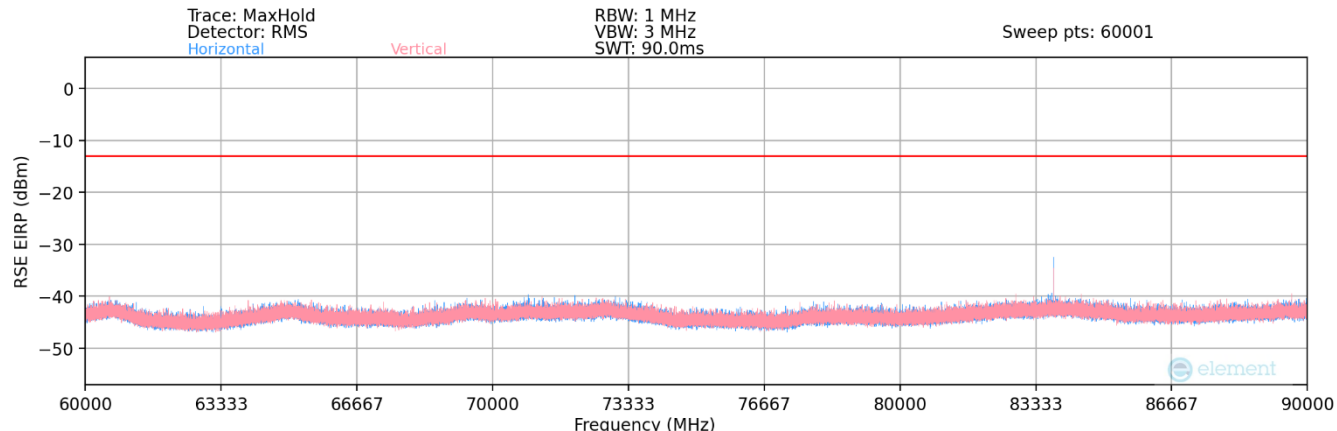
Table 7-50.n261 Radiated Spurious Emissions Table (40GHz - 60GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a distance of 1.5 meter.

FCC ID: A3LSMX828U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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60GHz - 90GHz



Plot 7-214.n261 Radiated Spurious Plot

Spurious Emissions EIRP Sample Calculation (n261)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) – 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Positioner Roll [degrees]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
82575.00	Low	50	2Tx	QPSK	V	313	22	-40.42	-13.00	-27.42
83774.88	Mid	50	2Tx	QPSK	V	125	203	-37.74	-13.00	-24.74
84974.76	High	50	2Tx	QPSK	V	123	125	-37.67	-13.00	-24.67

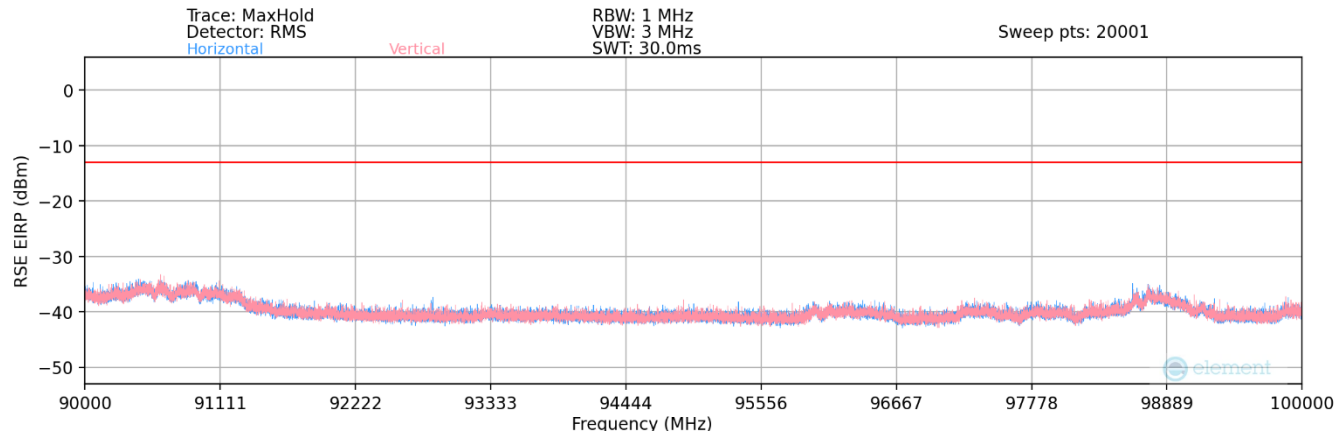
Table 7-51.n261 Radiated Spurious Emissions Table (60GHz - 90GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a test distance of 1 meter.

FCC ID: A3LSMX828U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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90GHz - 100GHz



Plot 7-215.n261 Radiated Spurious Plot

Spurious Emissions EIRP Sample Calculation (n261)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) – 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Positioner Roll [degrees]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
110100.00	Low	50	2Tx	QPSK	V	-	-	-45.27	-13.00	-32.27
111699.84	Mid	50	2Tx	QPSK	V	-	-	-44.15	-13.00	-31.15
113299.68	High	50	2Tx	QPSK	V	-	-	-46.32	-13.00	-33.32

Table 7-52.n261 Radiated Spurious Emissions Table (90GHz - 100GHz)

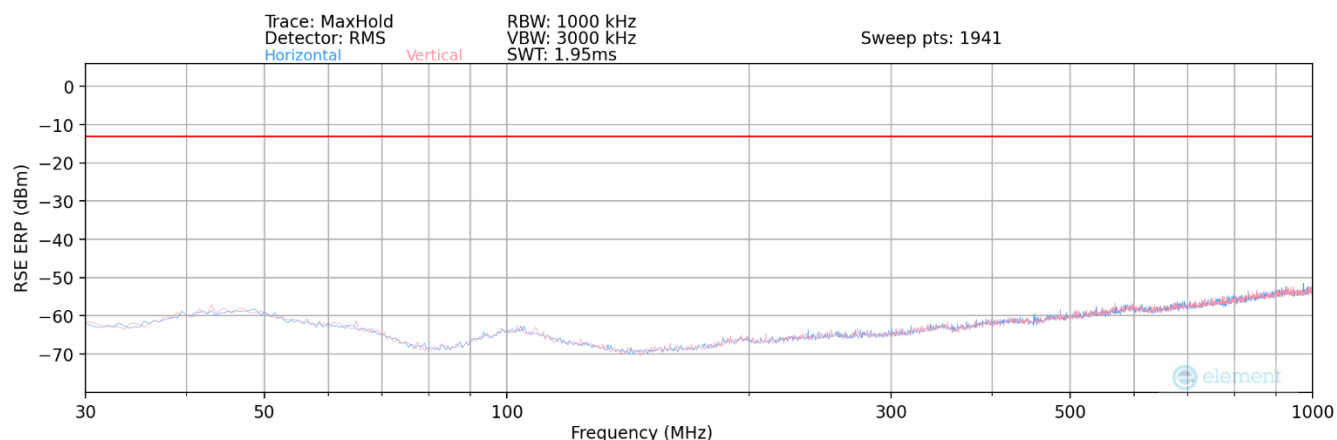
Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a test distance of 1 meter.

FCC ID: A3LSMX828U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Band n261 – Ant 2

30MHz - 1GHz



Plot 7-216.n261 Radiated Spurious Plot

Spurious Emissions ERP Sample Calculation (n261)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE ERP level is calculated by applying the additional factors shown below for a test distance of 3 meter.

$$\text{RSE ERP (dBm)} = \text{Analyzer Level (dBm)} + 107 + \text{AFCL (dB/m)} + 20\text{Log(Dm)} - 104.8 - 2.15 \text{ (dB)}$$

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Antenna Height [cm]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
323.00	Low	50	2Tx	QPSK	V	-	-	-72.68	-13.00	-59.68
556.00	Mid	50	2Tx	QPSK	V	-	-	-70.36	-13.00	-57.36
501.00	High	50	2Tx	QPSK	V	-	-	-70.68	-13.00	-57.68

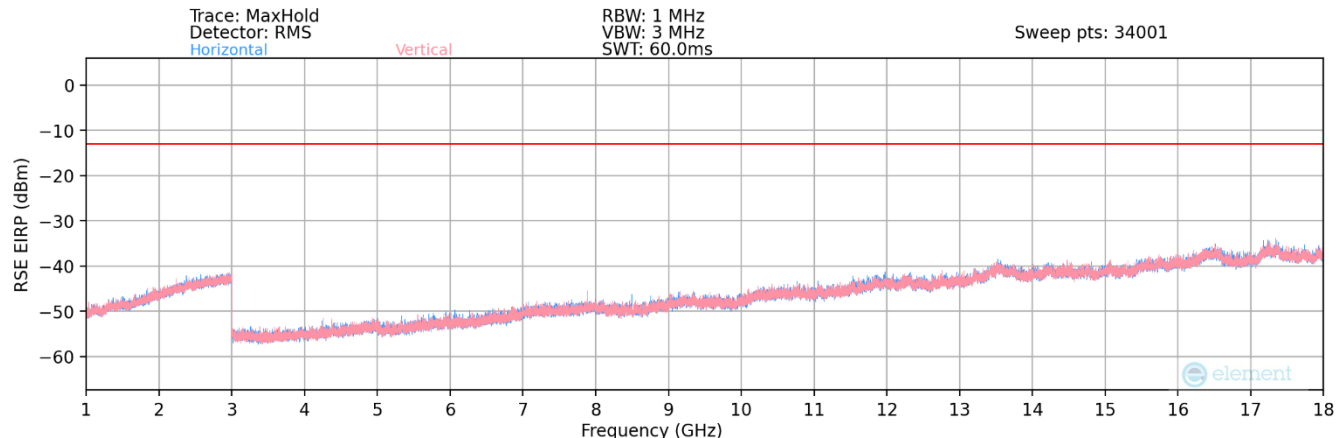
Table 7-53.n261 Radiated Spurious Emissions Table (30MHz - 1GHz)

Notes

The RSE ERP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, and cable losses. Measurements were performed at a distance of 3 meter.

FCC ID: A3LSMX828U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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1GHz - 18GHz



Plot 7-217.n261 Radiated Spurious Plot

Spurious Emissions EIRP Sample Calculation (n261)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 3 meter.

$$\text{RSE EIRP (dBm)} = \text{Analyzer Level (dBm)} + 107 + \text{AFCL (dB/m)} + 20\text{Log(Dm)} - 104.8$$

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Antenna Height [cm]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4623.00	Low	50	2Tx	QPSK	V	-	-	-59.38	-13.00	-46.38
4296.00	Mid	50	2Tx	QPSK	V	-	-	-60.24	-13.00	-47.24
5667.00	High	50	2Tx	QPSK	V	-	-	-57.89	-13.00	-44.89

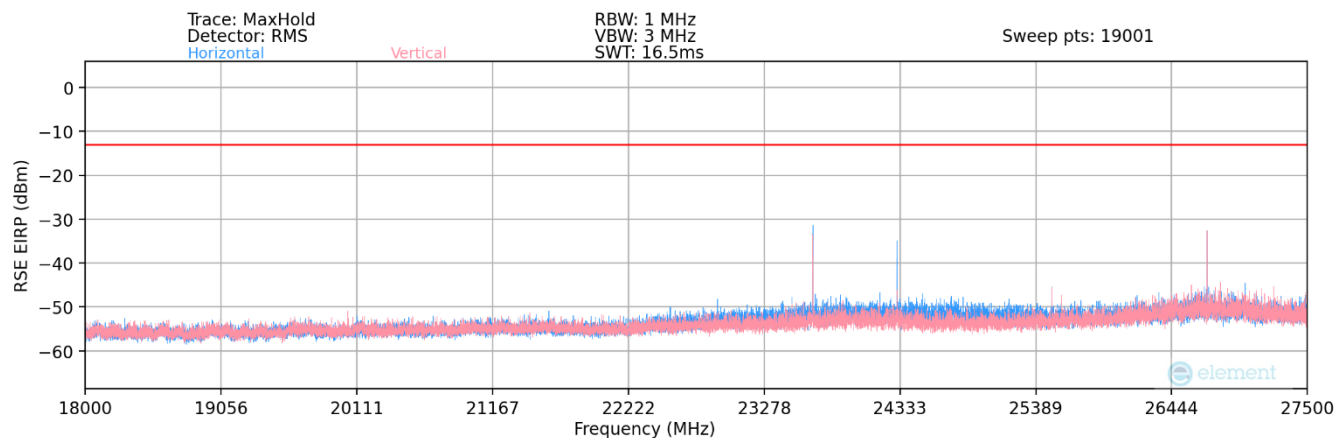
Table 7-54.n261 Radiated Spurious Emissions Table (1GHz - 18GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, and cable losses. Measurements were performed at a test distance of 3 meter.

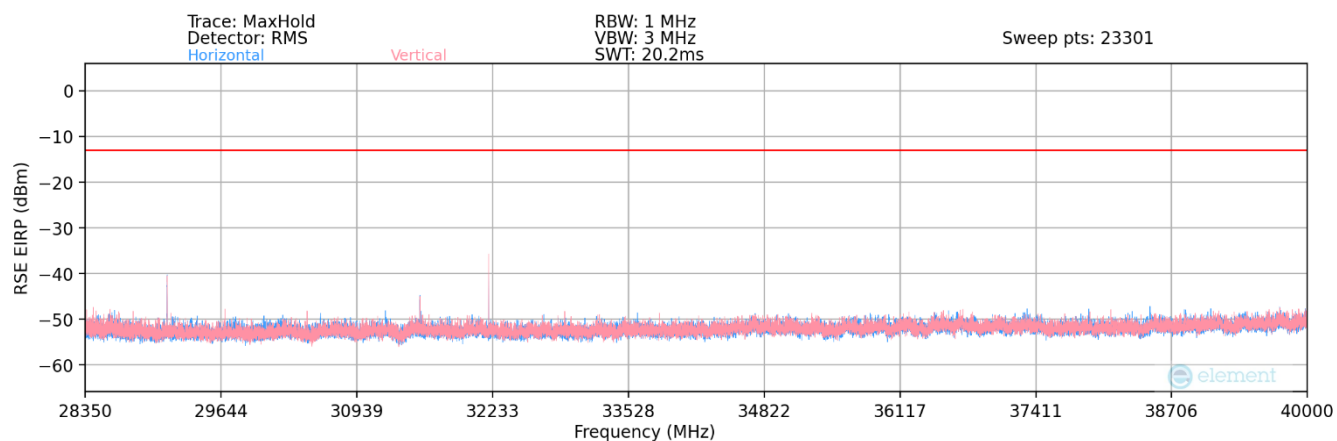
FCC ID: A3LSMX828U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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18GHz-27.5GHz



Plot 7-218.n261 Radiated Spurious Plot

28.35GHz-40GHz



Plot 7-219.n261 Radiated Spurious Plot

FCC ID: A3LSMX828U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Spurious Emissions EIRP Sample Calculation (n261)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

$$\text{RSE EIRP (dBm)} = \text{Analyzer Level (dBm)} + 107 + \text{AFCL (dB/m)} + 20\text{Log(Dm)} - 104.8$$

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Antenna Height [cm]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
26261.80	Low	50	2Tx	QPSK	V	150	228	-39.12	-13.00	-26.12
31563.00	Low	50	2Tx	QPSK	V	150	207	-31.87	-13.00	-18.87
23657.00	Mid	50	2Tx	QPSK	H	150	157	-36.67	-13.00	-23.67
24311.00	Mid	50	2Tx	QPSK	H	150	210	-35.93	-13.00	-22.93
26721.00	Mid	50	2Tx	QPSK	V	150	192	-34.01	-13.00	-21.01
32195.00	Mid	50	2Tx	QPSK	V	150	204	-36.68	-13.00	-23.68
27329.00	High	50	2Tx	QPSK	V	150	165	-37.38	-13.00	-24.38
31318.00	High	50	2Tx	QPSK	V	150	197	-50.03	-13.00	-37.03

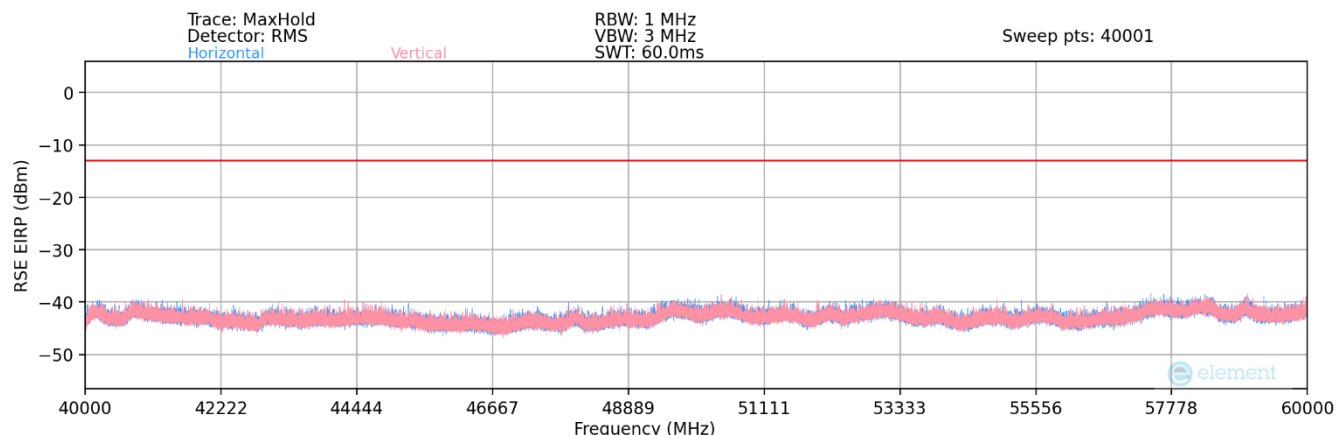
Table 7-55.n261 Radiated Spurious Emissions Table (18GHz - 40GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, and cable losses. Measurements were performed at a test distance of 1 meter.

FCC ID: A3LSMX828U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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40GHz - 60GHz



Plot 7-220.n261 Radiated Spurious Plot

Spurious Emissions EIRP Sample Calculation (n261)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1.5 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) – 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Antenna Height [cm]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
55050.78	Low	50	2Tx	QPSK	V	150	41	-38.18	-13.00	-25.18
55850.99	Mid	50	2Tx	QPSK	V	150	44	-33.89	-13.00	-20.89
56650.54	High	50	2Tx	QPSK	V	150	52	-31.86	-13.00	-18.86

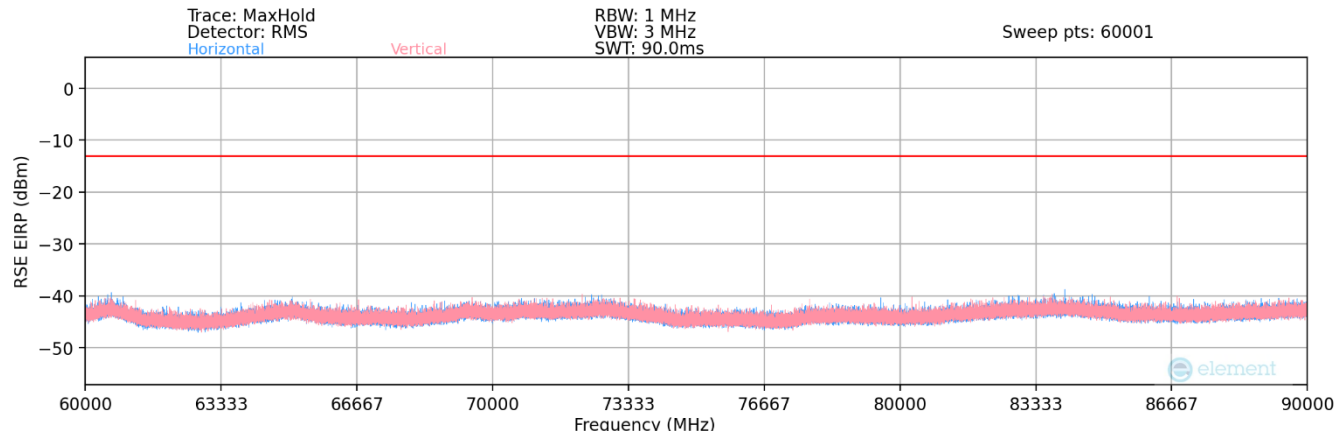
Table 7-56.n261 Radiated Spurious Emissions Table (40GHz - 60GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a distance of 1.5 meter.

FCC ID: A3LSMX828U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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60GHz - 90GHz



Plot 7-221.n261 Radiated Spurious Plot

Spurious Emissions EIRP Sample Calculation (n261)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) – 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Positioner Roll [degrees]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
82575.00	Low	50	2Tx	QPSK	V	279	30	-41.13	-13.00	-28.13
83774.88	Mid	50	2Tx	QPSK	V	91	222	-43.22	-13.00	-30.22
84974.76	High	50	2Tx	QPSK	V	-	-	-45.55	-13.00	-32.55

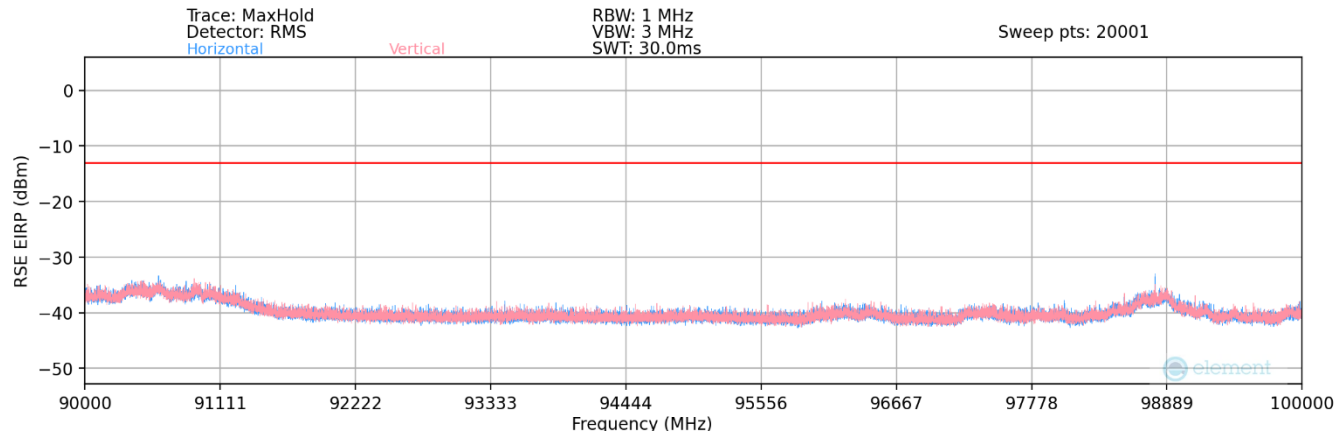
Table 7-57.n261 Radiated Spurious Emissions Table (60GHz - 90GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a test distance of 1 meter.

FCC ID: A3LSMX828U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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90GHz - 100GHz



Plot 7-222.n261 Radiated Spurious Plot

Spurious Emissions EIRP Sample Calculation (n261)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) – 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Positioner Roll [degrees]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
110100.00	Low	50	2Tx	QPSK	V	-	-	-44.48	-13.00	-31.48
111699.84	Mid	50	2Tx	QPSK	V	-	-	-44.17	-13.00	-31.17
113299.68	High	50	2Tx	QPSK	V	-	-	-45.80	-13.00	-32.80

Table 7-58.n261 Radiated Spurious Emissions Table (90GHz - 100GHz)

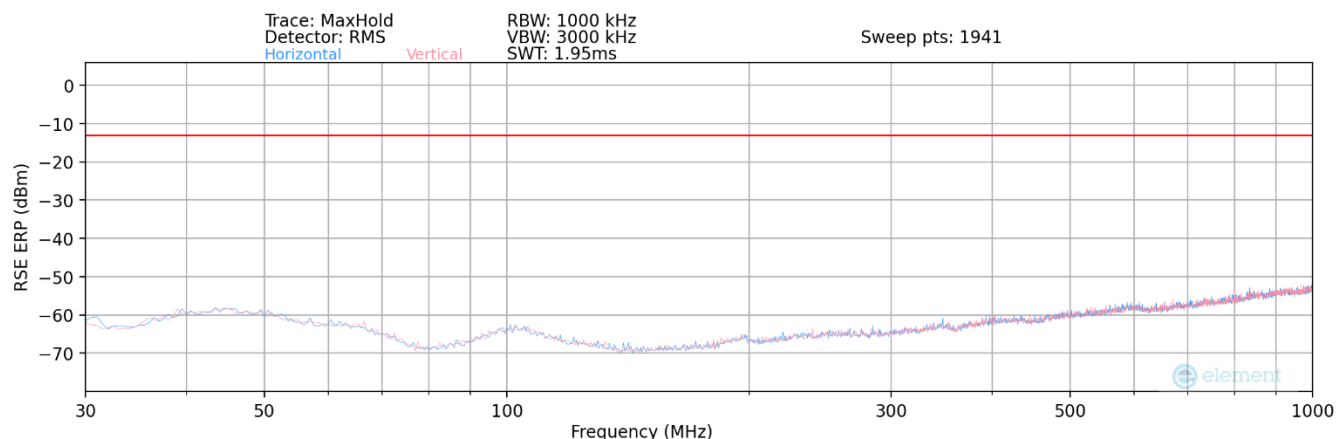
Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a test distance of 1 meter.

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Band n260 – Ant 1

30MHz - 1GHz



Plot 7-223.n260 Radiated Spurious Plot

Spurious Emissions ERP Sample Calculation (n260)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE ERP level is calculated by applying the additional factors shown below for a test distance of 3 meter.

$$\text{RSE ERP (dBm)} = \text{Analyzer Level (dBm)} + 107 + \text{AFCL (dB/m)} + 20\text{Log(Dm)} - 104.8 - 2.15 \text{ (dB)}$$

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Antenna Height [cm]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
424.00	Low	50	2Tx	QPSK	H	-	-	-71.23	-13.00	-58.23
598.00	Mid	50	2Tx	QPSK	H	-	-	-68.84	-13.00	-55.84
622.00	High	50	2Tx	QPSK	H	-	-	-69.41	-13.00	-56.41

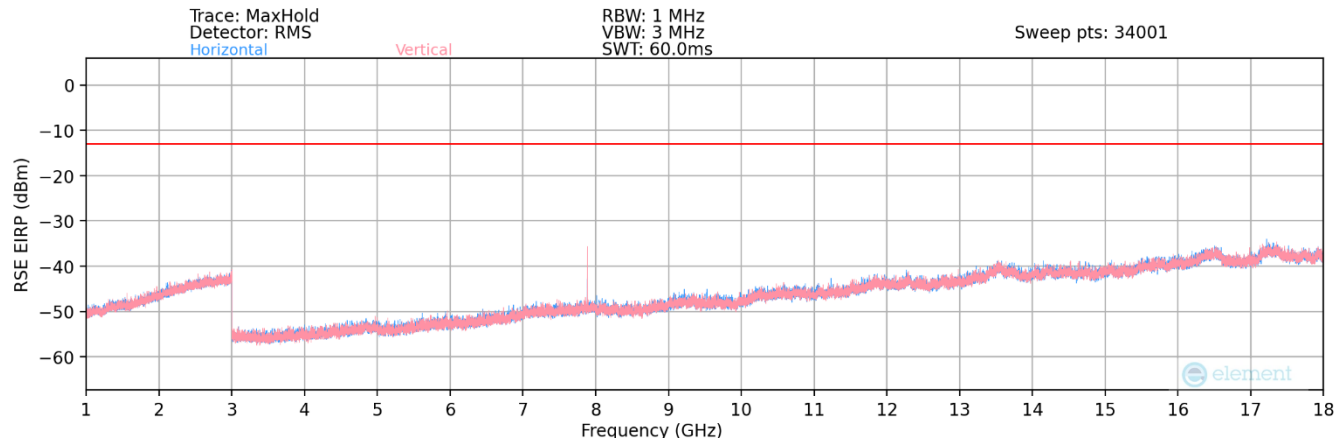
Table 7-59.n260 Radiated Spurious Emissions Table (30MHz - 1GHz)

Notes

The RSE ERP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, and cable losses. Measurements were performed at a distance of 3 meter.

FCC ID: A3LSMX828U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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1GHz - 18GHz



Plot 7-224.n260 Radiated Spurious Plot

Spurious Emissions EIRP Sample Calculation (n260)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 3 meter.

$$\text{RSE EIRP (dBm)} = \text{Analyzer Level (dBm)} + 107 + \text{AFCL (dB/m)} + 20\text{Log(Dm)} - 104.8$$

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Antenna Height [cm]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7330.65	Low	50	2Tx	QPSK	V	139	198	-33.44	-13.00	-20.44
7885.00	Mid	50	2Tx	QPSK	V	102	189	-37.56	-13.00	-24.56
7885.20	High	50	2Tx	QPSK	V	166	186	-35.74	-13.00	-22.74

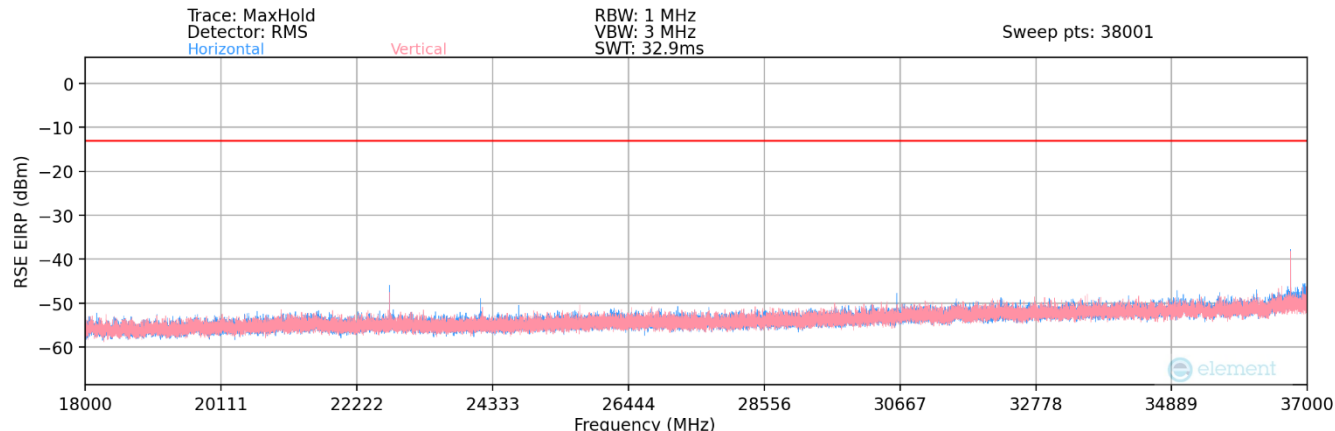
Table 7-60.n260 Radiated Spurious Emissions Table (1GHz - 18GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, and cable losses. Measurements were performed at a test distance of 3 meter.

FCC ID: A3LSMX828U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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18GHz-37GHz



Plot 7-225.n260 Radiated Spurious Plot

Spurious Emissions EIRP Sample Calculation (n260)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

$$\text{RSE EIRP (dBm)} = \text{Analyzer Level (dBm)} + 107 + \text{AFCL (dB/m)} + 20\text{Log(Dm)} - 104.8$$

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Antenna Height [cm]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
36609.00	Low	50	2Tx	QPSK	H	150	268	-42.98	-13.00	-29.98
22500.00	Mid	50	2Tx	QPSK	H	-	-	-59.39	-13.00	-46.39
36738.00	Mid	50	2Tx	QPSK	H	150	16	-40.59	-13.00	-27.59
38508.00	High	50	2Tx	QPSK	H	150	273	-34.70	-13.00	-21.70

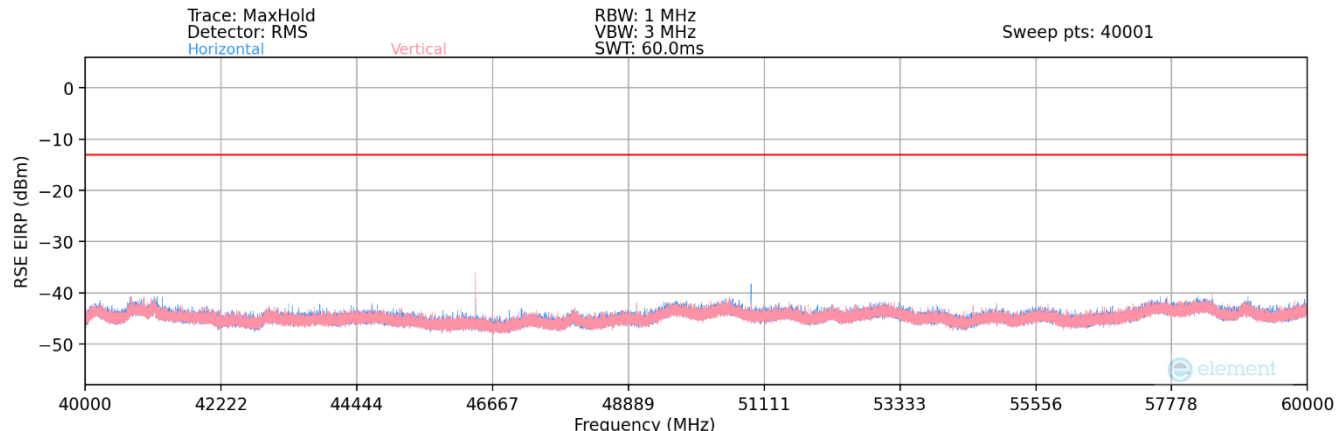
Table 7-61.n260 Radiated Spurious Emissions Table (18GHz - 37GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, and cable losses. Measurements were performed at a test distance of 1 meter.

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40GHz - 60GHz



Plot 7-226.n260 Radiated Spurious Plot

Spurious Emissions EIRP Sample Calculation (n260)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1.5 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) – 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Antenna Height [cm]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
44911.00	Low	50	2Tx	QPSK	V	150	353	-43.84	-13.00	-30.84
49420.00	Low	50	2Tx	QPSK	V	150	216	-43.78	-13.00	-30.78
46385.09	Mid	50	2Tx	QPSK	V	150	65	-30.70	-13.00	-17.70
50894.98	Mid	50	2Tx	QPSK	V	150	167	-35.46	-13.00	-22.46
47860.55	High	50	2Tx	QPSK	V	150	166	-33.64	-13.00	-20.64
52370.00	High	50	2Tx	QPSK	V	150	11	-36.04	-13.00	-23.04

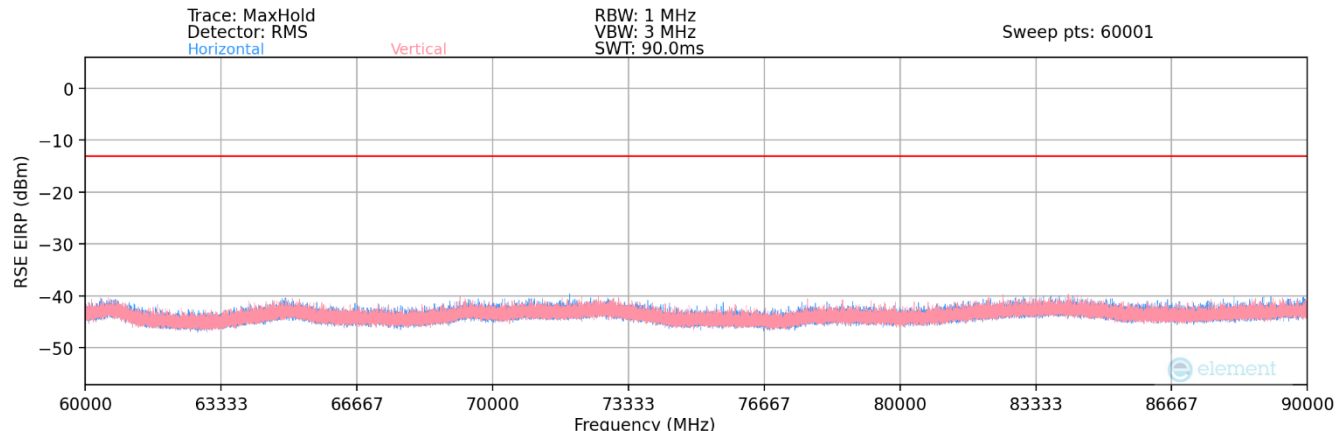
Table 7-62.n260 Radiated Spurious Emissions Table (40GHz - 60GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a distance of 1.5 meter.

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60GHz - 90GHz



Plot 7-227.n260 Radiated Spurious Plot

Spurious Emissions EIRP Sample Calculation (n260)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) – 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Positioner Roll [degrees]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
74050.08	Low	50	2Tx	QPSK	V	66	144	-42.87	-13.00	-29.87
76999.92	Mid	50	2Tx	QPSK	V	59	90	-43.69	-13.00	-30.69
79950.00	High	50	2Tx	QPSK	V	-	-	-48.57	-13.00	-35.57

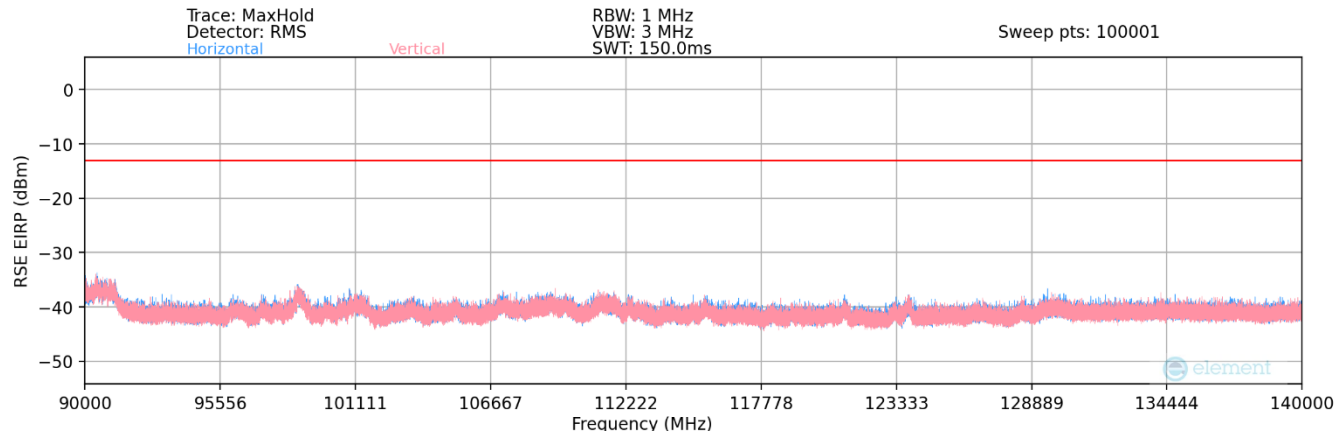
Table 7-63.n260 Radiated Spurious Emissions Table (60GHz - 90GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a test distance of 1 meter.

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90GHz - 140GHz



Plot 7-228.n260 Radiated Spurious Plot

Spurious Emissions EIRP Sample Calculation (n260)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) – 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Positioner Roll [degrees]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
111075.12	Low	50	2Tx	QPSK	H	-	-	-40.42	-13.00	-27.42
115499.88	Mid	50	2Tx	QPSK	H	-	-	-37.74	-13.00	-24.74
119925.00	High	50	2Tx	QPSK	H	-	-	-37.67	-13.00	-24.67

Table 7-64.n260 Radiated Spurious Emissions Table (90GHz - 140GHz)

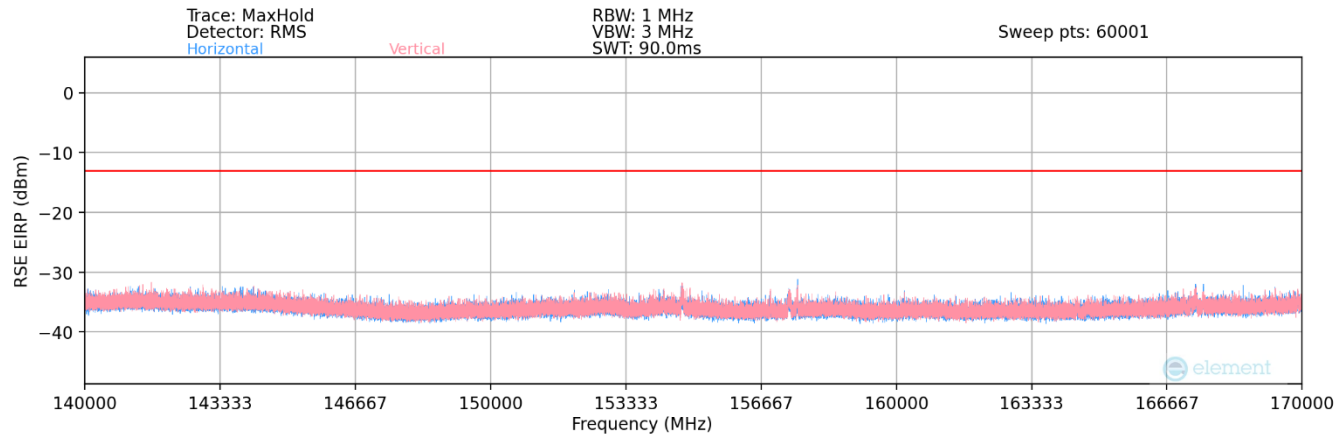
Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a test distance of 1 meter.

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140GHz - 170GHz



Plot 7-229.n260 Radiated Spurious Plot

Spurious Emissions EIRP Sample Calculation (n260)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) – 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Positioner Roll [degrees]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
148100.16	Low	50	2Tx	QPSK	H	-	-	-39.40	-13.00	-26.40
153999.84	Mid	50	2Tx	QPSK	H	-	-	-38.41	-13.00	-25.41
159900.00	High	50	2Tx	QPSK	H	-	-	-39.04	-13.00	-26.04

Table 7-65.n260 Radiated Spurious Emissions Table (140GHz - 170GHz)

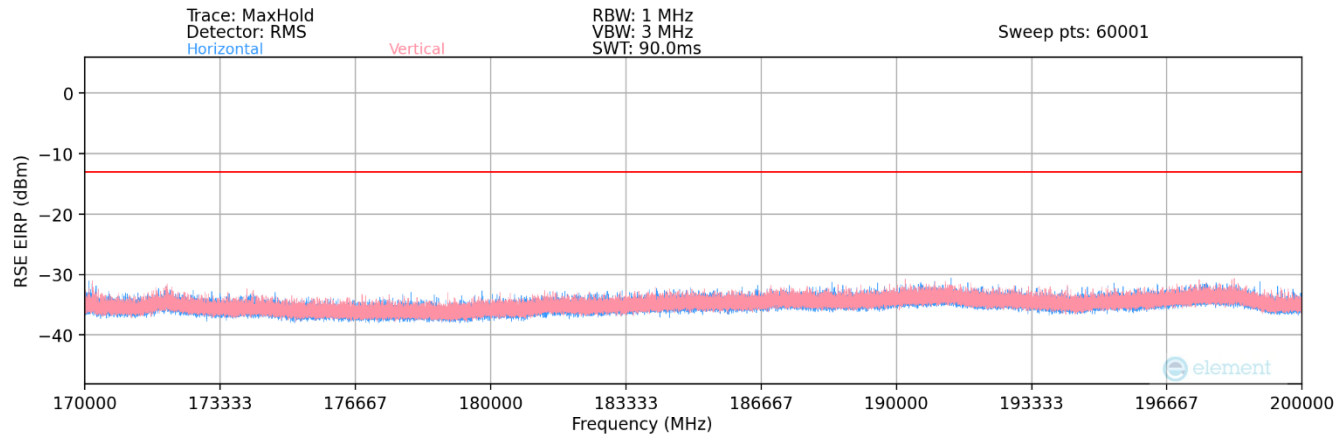
Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a test distance of 1 meter.

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170GHz - 200GHz



Plot 7-230.n260 Radiated Spurious Plot

Spurious Emissions EIRP Sample Calculation (n260)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) – 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Positioner Roll [degrees]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
185125.20	Low	50	2Tx	QPSK	H	-	-	-39.57	-13.00	-26.57
192499.80	Mid	50	2Tx	QPSK	H	-	-	-39.06	-13.00	-26.06
199875.00	High	50	2Tx	QPSK	H	-	-	-39.82	-13.00	-26.82

Table 7-66.n260 Radiated Spurious Emissions Table (170GHz - 200GHz)

Notes

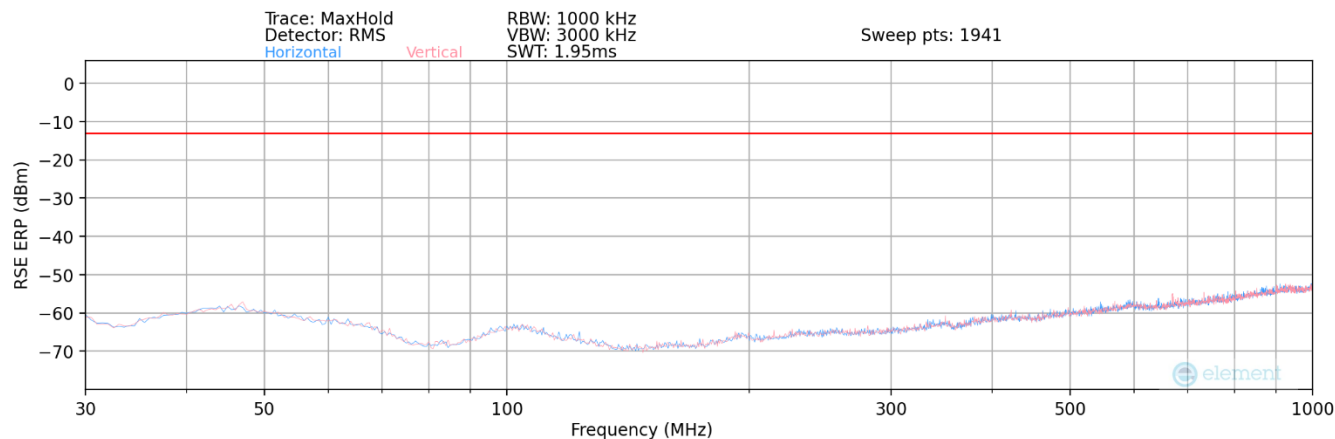
The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a test distance of 1 meter.

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Band n260 – Ant 2

30MHz - 1GHz



Plot 7-231.n260 Radiated Spurious Plot

Spurious Emissions ERP Sample Calculation (n260)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE ERP level is calculated by applying the additional factors shown below for a test distance of 3 meter.

RSE ERP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) – 104.8 – 2.15 (dB)

Frequency [MHz]	Channnel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Antenna Height [cm]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
446.00	Low	50	2Tx	QPSK	V	-	-	-71.30	-13.00	-58.30
346.00	Mid	50	2Tx	QPSK	V	-	-	-71.74	-13.00	-58.74
511.00	High	50	2Tx	QPSK	V	-	-	-70.21	-13.00	-57.21

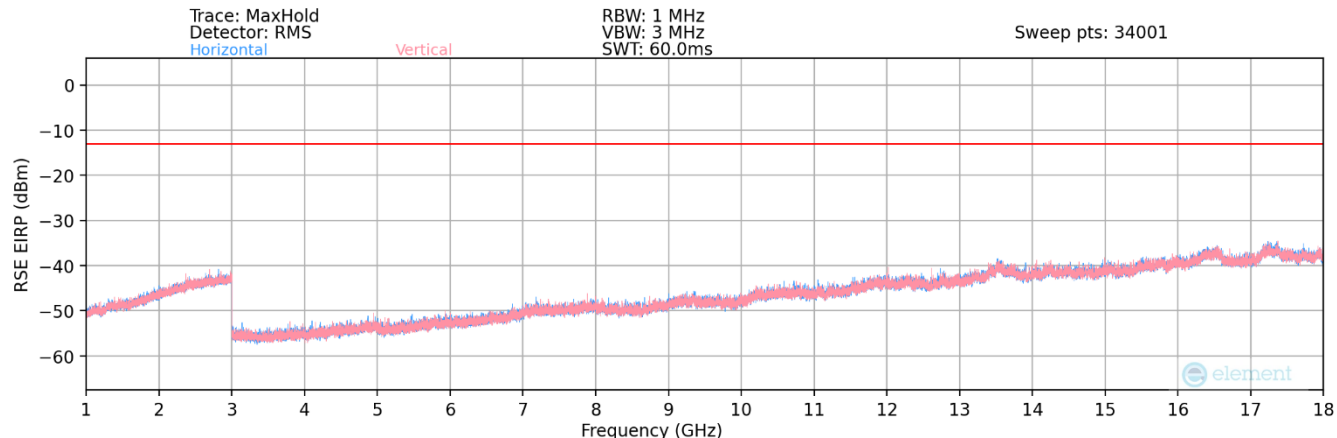
Table 7-67.n260 Radiated Spurious Emissions Table (30MHz - 1GHz)

Notes

The RSE ERP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, and cable losses. Measurements were performed at a distance of 3 meter.

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1GHz - 18GHz



Plot 7-232.n260 Radiated Spurious Plot

Spurious Emissions EIRP Sample Calculation (n260)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 3 meter.

$$\text{RSE EIRP (dBm)} = \text{Analyzer Level (dBm)} + 107 + \text{AFCL (dB/m)} + 20\text{Log(Dm)} - 104.8$$

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Antenna Height [cm]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
12001.00	Low	50	2Tx	QPSK	V	-	-	-49.29	-13.00	-36.29
12600.00	Mid	50	2Tx	QPSK	V	-	-	-49.52	-13.00	-36.52
14550.00	High	50	2Tx	QPSK	V	-	-	-46.82	-13.00	-33.82

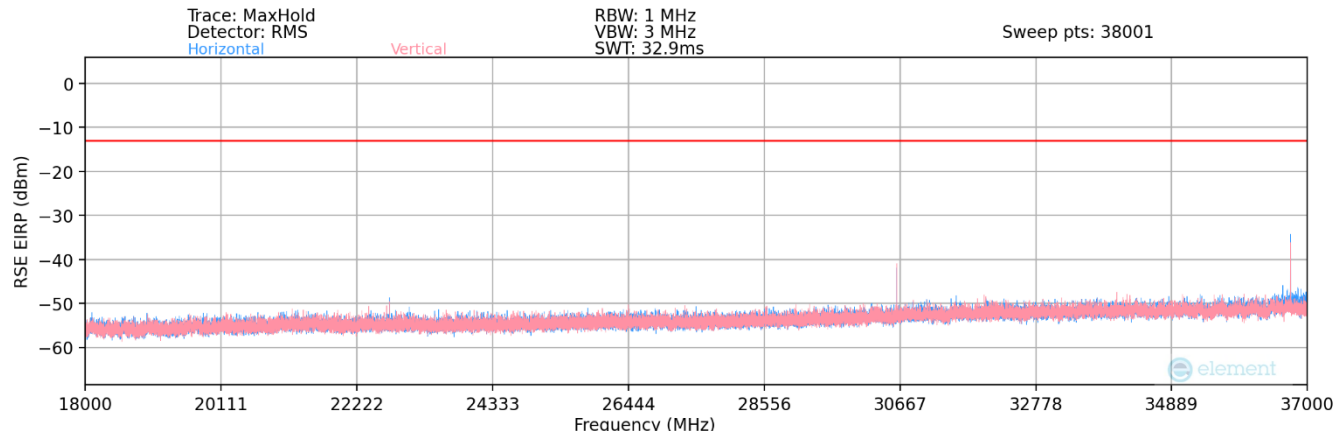
Table 7-68.n260 Radiated Spurious Emissions Table (1GHz - 18GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, and cable losses. Measurements were performed at a test distance of 3 meter.

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18GHz-40GHz



Plot 7-233.n260 Radiated Spurious Plot

Spurious Emissions EIRP Sample Calculation (n260)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

$$\text{RSE EIRP (dBm)} = \text{Analyzer Level (dBm)} + 107 + \text{AFCL (dB/m)} + 20\text{Log(Dm)} - 104.8$$

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Antenna Height [cm]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
36610.00	Low	50	2Tx	QPSK	V	150	190	-43.69	-13.00	-30.69
30615.00	Mid	50	2Tx	QPSK	V	150	180	-42.60	-13.00	-29.60
36738.00	Mid	50	2Tx	QPSK	H	150	171	-35.58	-13.00	-22.58
32090.00	High	50	2Tx	QPSK	V	150	163	-23.88	-13.00	-10.88
38508.50	High	50	2Tx	QPSK	V	150	177	-33.89	-13.00	-20.89

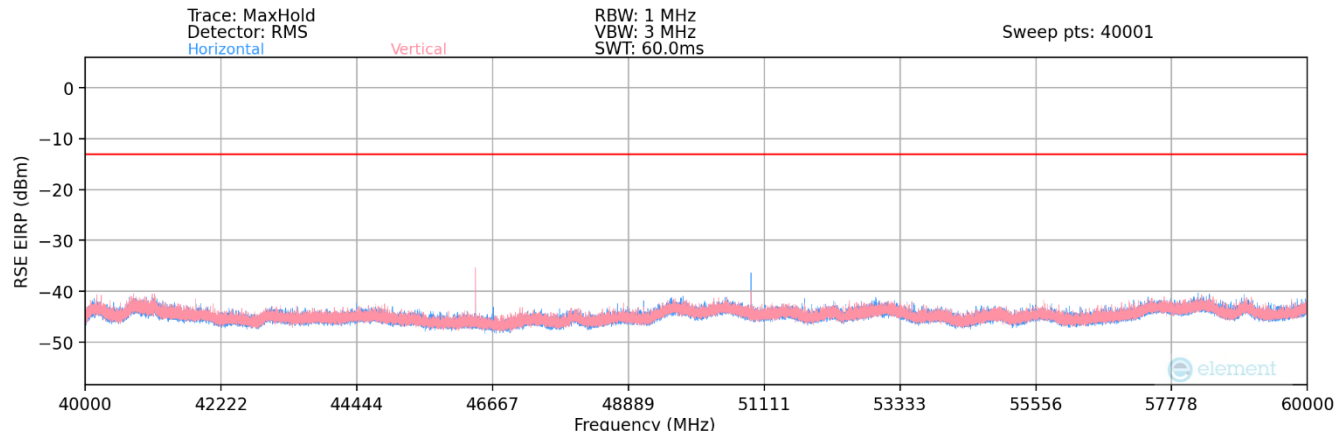
Table 7-69.n260 Radiated Spurious Emissions Table (18GHz - 40GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, and cable losses. Measurements were performed at a test distance of 1 meter.

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40GHz - 60GHz



Plot 7-234.n260 Radiated Spurious Plot

Spurious Emissions EIRP Sample Calculation (n260)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1.5 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) – 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Antenna Height [cm]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
44911.00	Low	50	2Tx	QPSK	V	150	176	-43.36	-13.00	-30.36
49420.00	Low	50	2Tx	QPSK	H	150	68	-43.26	-13.00	-30.26
46385.09	Mid	50	2Tx	QPSK	V	150	96	-34.88	-13.00	-21.88
50894.98	Mid	50	2Tx	QPSK	H	150	78	-35.49	-13.00	-22.49
47860.55	High	50	2Tx	QPSK	V	150	94	-36.23	-13.00	-23.23
52370.00	High	50	2Tx	QPSK	H	150	186	-43.39	-13.00	-30.39

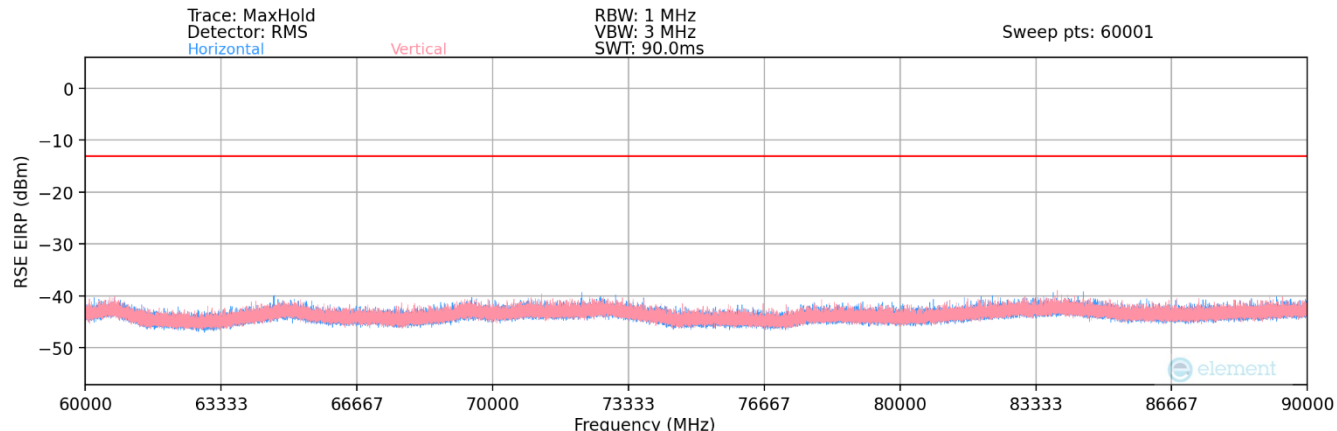
Table 7-70.n260 Radiated Spurious Emissions Table (40GHz - 60GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a distance of 1.5 meter.

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60GHz - 90GHz



Plot 7-235.n260 Radiated Spurious Plot

Spurious Emissions EIRP Sample Calculation (n260)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) – 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Positioner Roll [degrees]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
74050.08	Low	50	2Tx	QPSK	H	296	59	-47.19	-13.00	-34.19
76999.92	Mid	50	2Tx	QPSK	H	300	27	-48.47	-13.00	-35.47
79950.00	High	50	2Tx	QPSK	H	-	-	-48.91	-13.00	-35.91

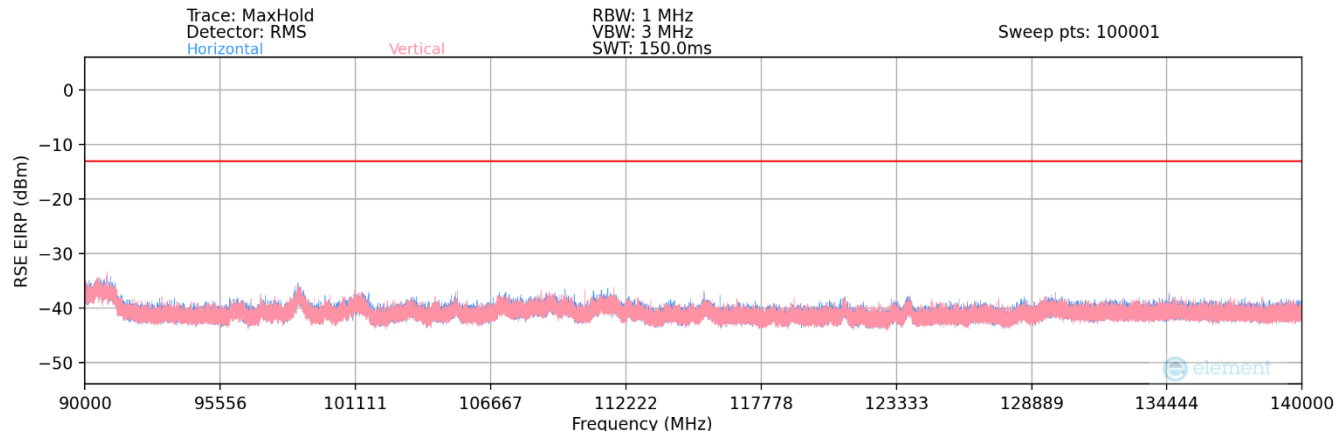
Table 7-71.n260 Radiated Spurious Emissions Table (60GHz - 90GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a test distance of 1 meter.

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90GHz - 140GHz



Plot 7-236.n260 Radiated Spurious Plot

Spurious Emissions EIRP Sample Calculation (n260)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) – 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Positioner Roll [degrees]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
111075.12	Low	50	2Tx	QPSK	H	-	-	-44.51	-13.00	-31.51
115499.88	Mid	50	2Tx	QPSK	H	-	-	-44.74	-13.00	-31.74
119925.00	High	50	2Tx	QPSK	H	-	-	-46.40	-13.00	-33.40

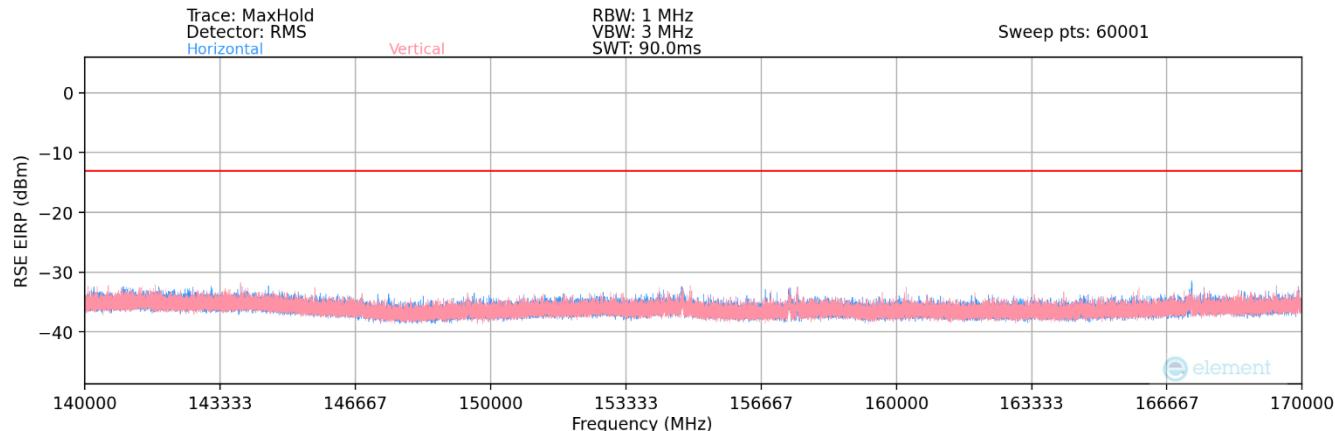
Table 7-72.n260 Radiated Spurious Emissions Table (90GHz - 140GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a test distance of 1 meter.

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140GHz - 170GHz



Plot 7-237.n260 Radiated Spurious Plot

Spurious Emissions EIRP Sample Calculation (n260)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) – 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Positioner Roll [degrees]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
148100.16	Low	50	2Tx	QPSK	H	-	-	-39.00	-13.00	-26.00
153999.84	Mid	50	2Tx	QPSK	H	-	-	-38.70	-13.00	-25.70
159900.00	High	50	2Tx	QPSK	H	-	-	-38.72	-13.00	-25.72

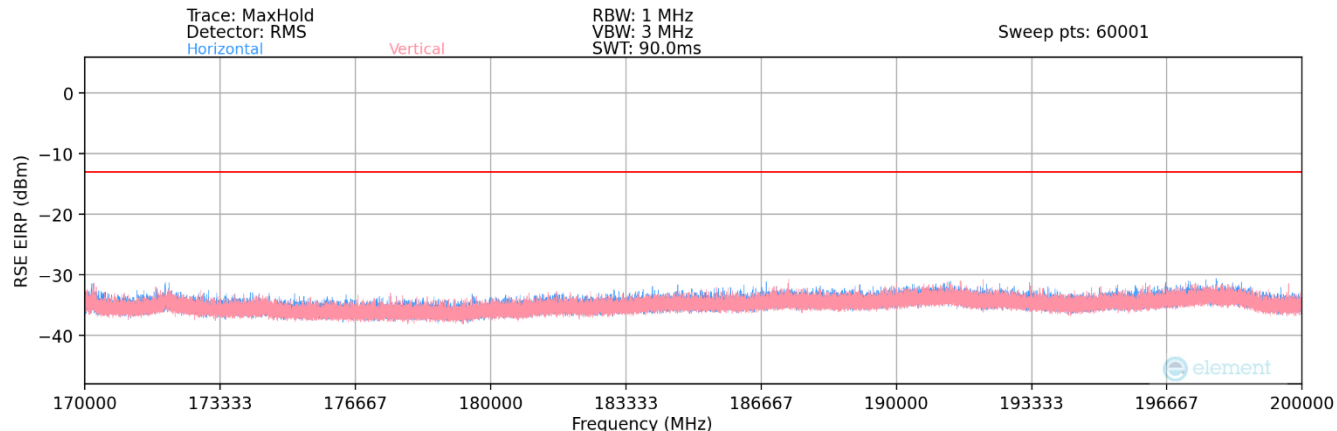
Table 7-73.n260 Radiated Spurious Emissions Table (140GHz - 170GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a test distance of 1 meter.

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170GHz - 200GHz



Plot 7-238.n260 Radiated Spurious Plot

Spurious Emissions EIRP Sample Calculation (n260)

The raw radiated spurious level is converted to field strength in dBuV/m. Then, the RSE EIRP level is calculated by applying the additional factors shown below for a test distance of 1 meter.

RSE EIRP (dBm) = Analyzer Level (dBm) + 107 + AFCL (dB/m) + 20Log(Dm) – 104.8 + Harmonic Mixer Conversion Loss [dB]

Frequency [MHz]	Channel	Bandwidth (MHz)	EUT Beam Pol.	Modulation	Antenna Polarization [H/V]	Positioner Roll [degrees]	Turntable Azimuth [degrees]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
185125.20	Low	50	2Tx	QPSK	H	-	-	-39.07	-13.00	-26.07
192499.80	Mid	50	2Tx	QPSK	H	-	-	-38.88	-13.00	-25.88
199875.00	High	50	2Tx	QPSK	H	-	-	-39.30	-13.00	-26.30

Table 7-74.n260 Radiated Spurious Emissions Table (170GHz - 200GHz)

Notes

The RSE EIRP level is taken directly from the spectrum analyzer which includes the appropriate antenna factors, cable losses, and harmonic mixer conversion losses. Measurements were performed at a test distance of 1 meter.

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7.5 Band Edge Emissions

§2.1051, §30.203

Test Overview

All out of band emissions are measured in a radiated setup while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All modulations 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.

The minimum permissible attenuation level of any spurious emission is -13dBm/1MHz. However, in the bands immediately outside and adjacent to the licensee's frequency block, having a bandwidth equal to 10 percent of the channel bandwidth, the conductive power or the total radiated power of any emission shall be -5 dBm/MHz or lower.

Test Procedure Used

ANSI C63.26-2015 Section 5 and ANSI C63.26-2015 Section 6.4
KDB 842590 D01 v01r02 Section 4.4.2.4

Test Settings

1. Start and stop frequency were set such that both upper and lower band edges are measured.
2. Span was set large enough so as to capture all out of band emissions near the band edge
3. RBW = 1MHz
4. VBW $\geq 3 \times$ RBW
5. Detector = RMS
6. Number of sweep points $\geq 2 \times$ Span/RBW
7. Trace mode = trace average
8. Sweep time = auto couple
9. The trace was allowed to stabilize

Test Notes

- 1) The EUT was tested in three orthogonal planes and in all possible test configurations and positioning.
- 2) Band Edge emissions were measured at a 1 meter distance.
- 3) The spectrum analyzer for each measurement shows an offset value that was determined using the measurement antenna factor, cable loss, far field measurement distance. A sample calculation is shown on the following page.
- 4) This device supports transmission of H-polarized and V-polarized beams from the antenna array in both CP-OFDM and DFT-s-OFDM transmission schemes. SISO and MIMO operation is also supported for some configurations. As part of the testing, all modes were fully investigated and only the worst case has been included in this report.

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- 5) All combinations of 1CC, 2CC, 3CC, and 4CC were fully investigated, and only the worst case has been included in this report.
- 6) Unless otherwise specified, the radiated band edge plots in this section display the worst case EIRP measurements for the indicated bandwidth–component carrier configuration.
- 7) The plots in this section that display Total Radiated Power (TRP) were obtained from measurements that were performed in accordance with the guidance of Section 4.4.2.4 of KDB 842590 D01 for the Spherical Method.

Sample Analyzer Offset Calculation (at 27.5GHz)

Measurement Antenna Factor = 46.85dB/m

Cable Loss = 9.18dB

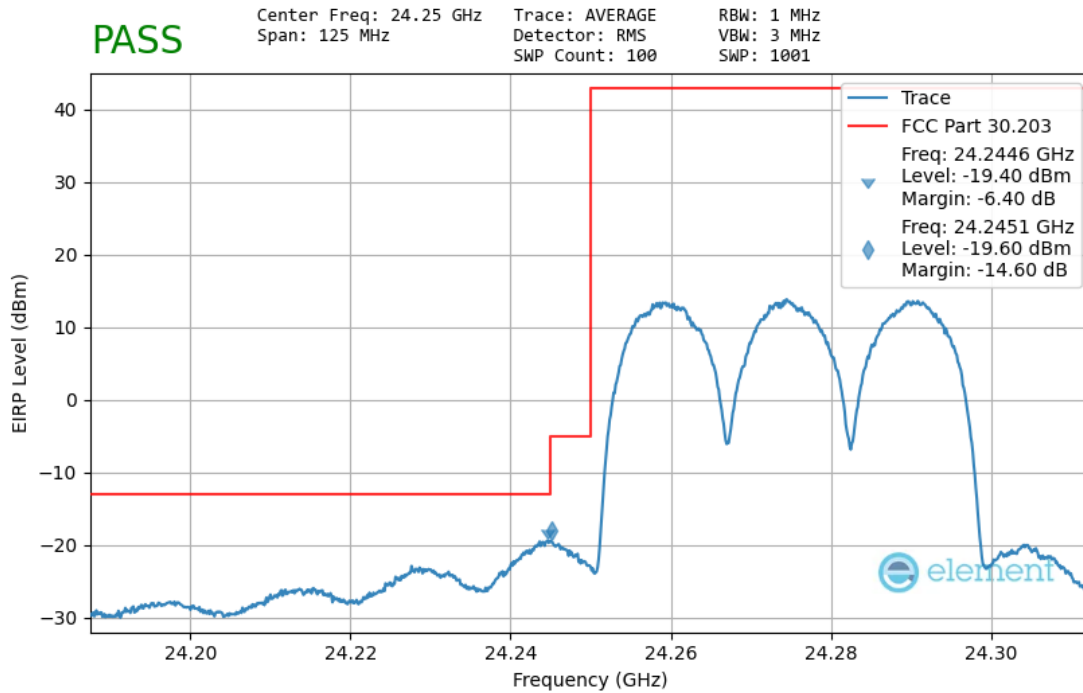
Analyzer Offset (dB) = AF (dB/m) + CL (dB) + 107 + 20log₁₀(D) – 104.8dB, where D = 1m

$$= 46.85\text{dB/m} + 9.18\text{dB} + 107 + 20\log_{10}(1\text{m}) - 104.8\text{dB}$$

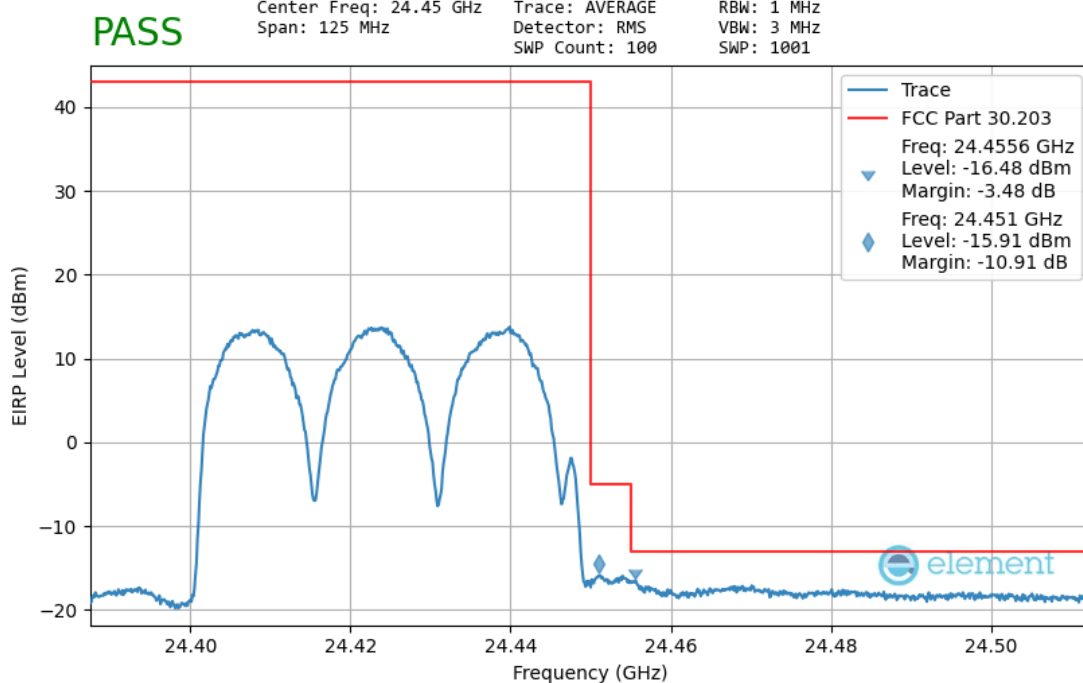
$$= 58.23\text{dB}$$

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Band n258-R1 – Worst Case

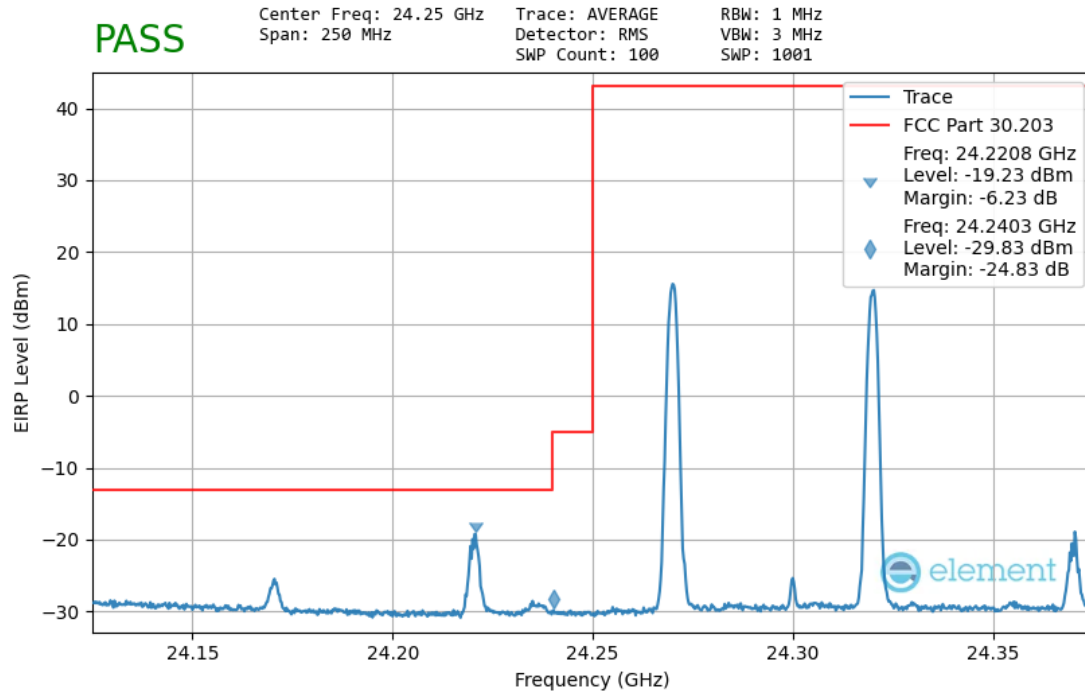


Plot 7-239. Ant 1 Lower Band Edge - (50MHz-1CC – DFT-s-OFDM QPSK Full RB)

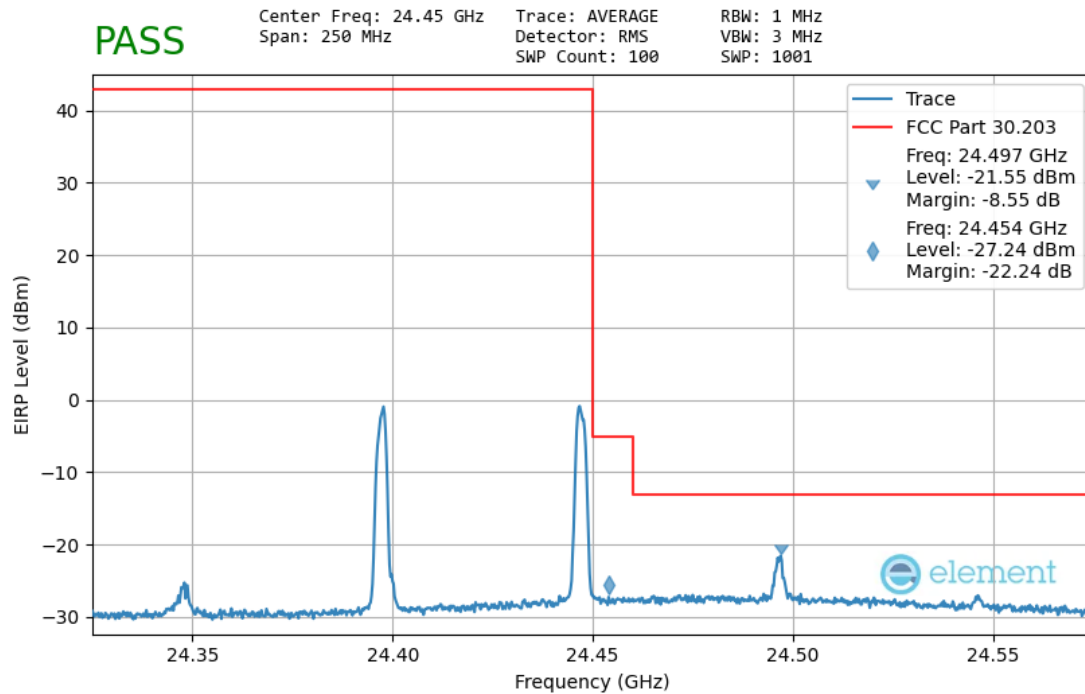


Plot 7-240. Ant 1 Upper Band Edge- (50MHz-1CC – DFT-s-OFDM QPSK Full RB)

FCC ID: A3LSMX828U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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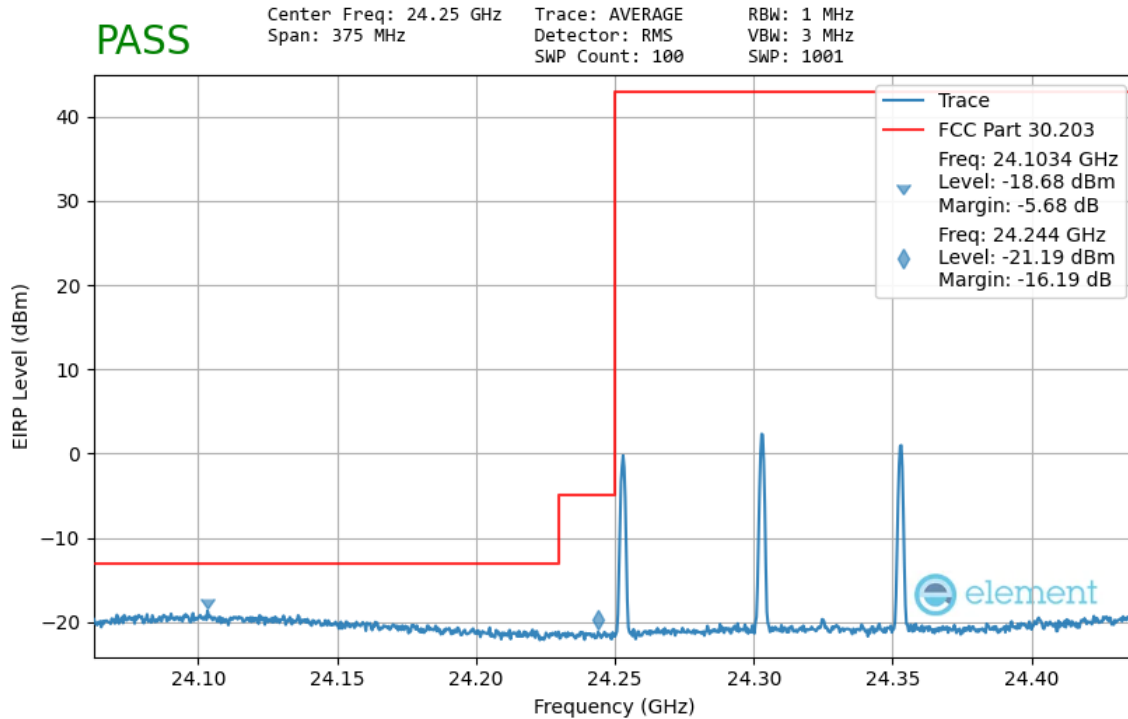


Plot 7-241.Ant 1 Lower Band Edge - (50MHz-2CC CP -OFDM QPSK 1 RB)

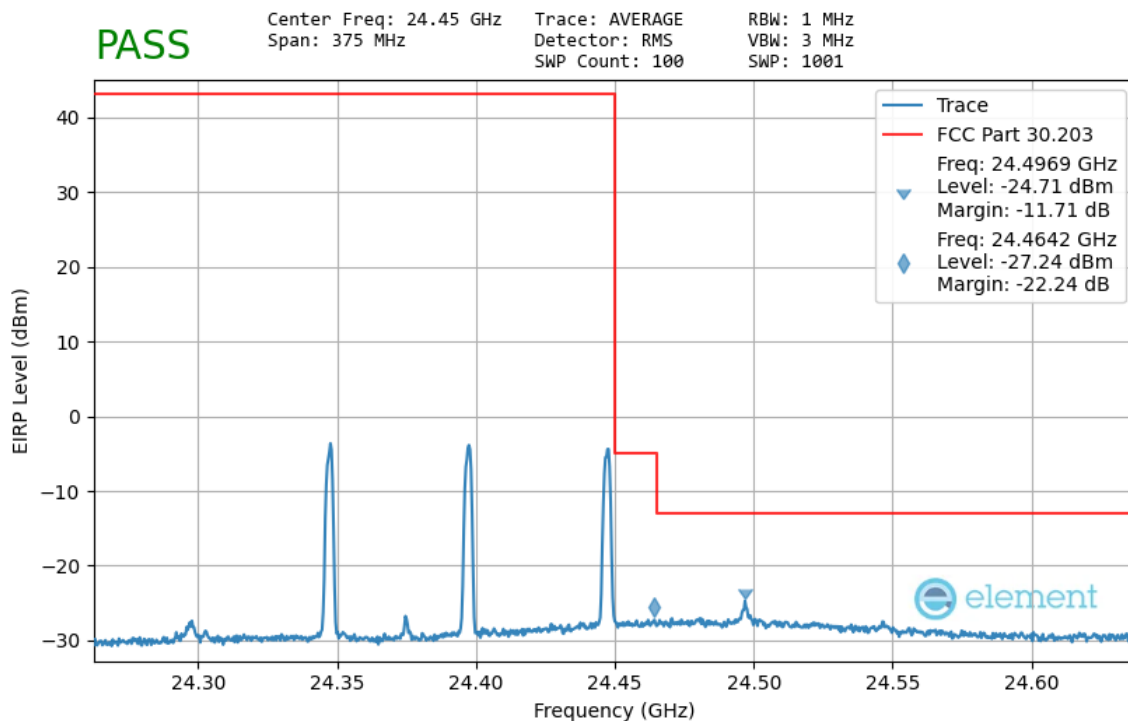


Plot 7-242.Ant 1 Upper Band Edge- (50MHz-2CC – CP -OFDM QPSK 1 RB)

FCC ID: A3LSMX828U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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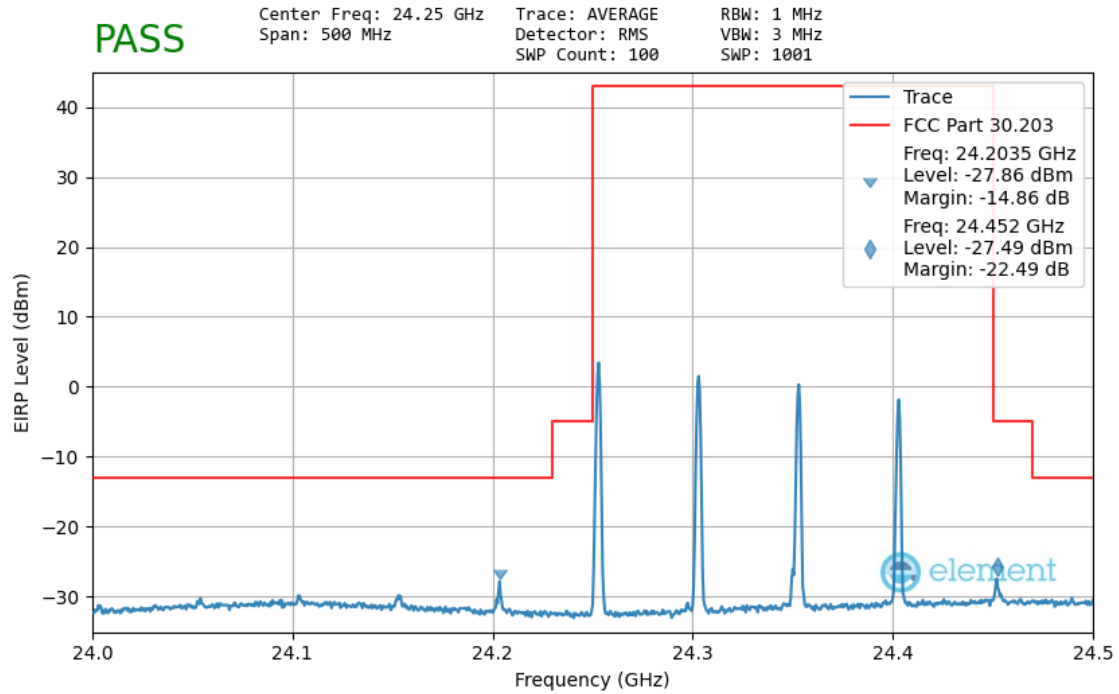


Plot 7-243.Ant 1 Lower Band Edge - (50MHz-3CC DFT-s -OFDM $\pi/2$ BPSK 1 RB)

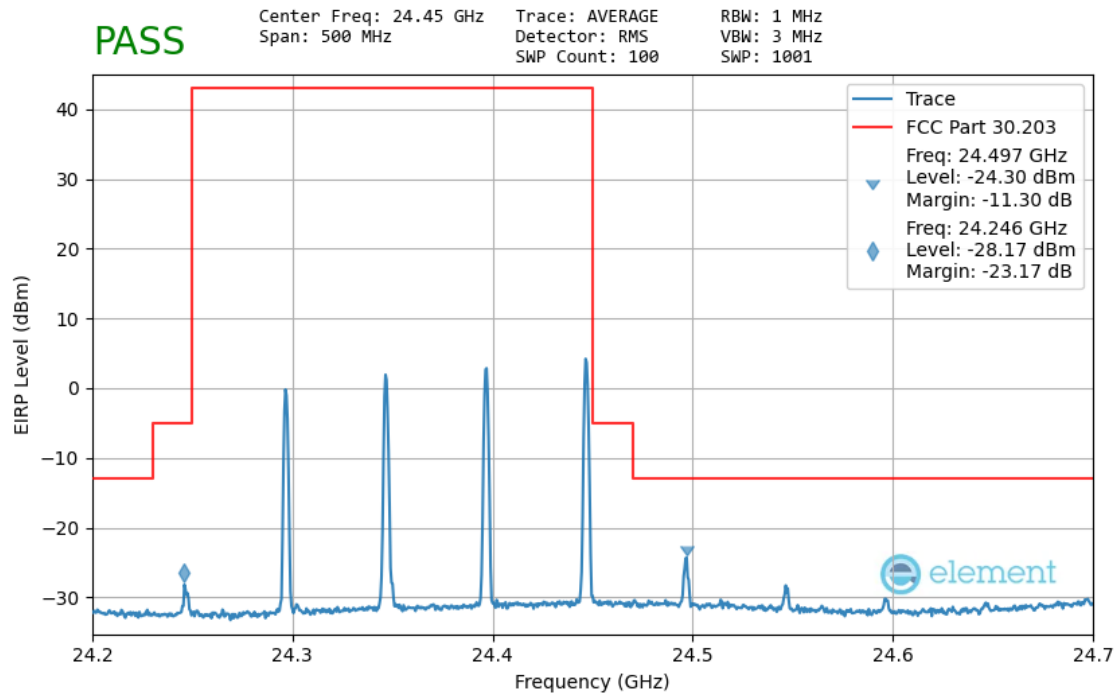


Plot 7-244.Ant 1 Upper Band Edge- (50MHz-3CC – CP -OFDM QPSK 1 RB)

FCC ID: A3LSMX828U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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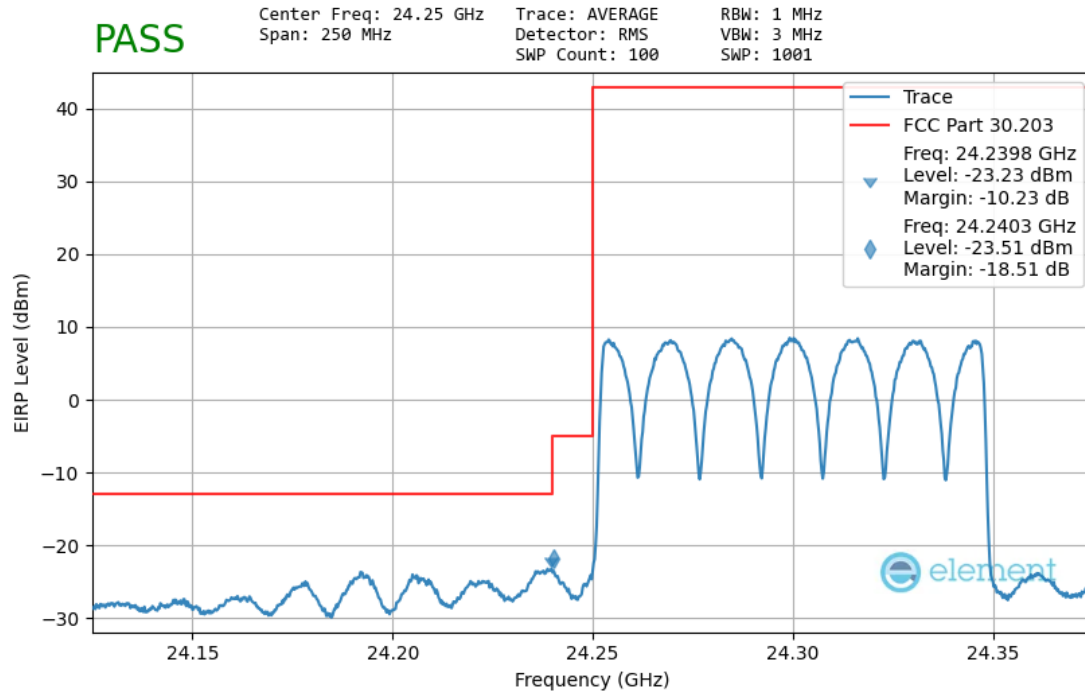


Plot 7-245.Ant 1 Lower Band Edge - (50MHz-4CC CP -OFDM QPSK 1 RB)

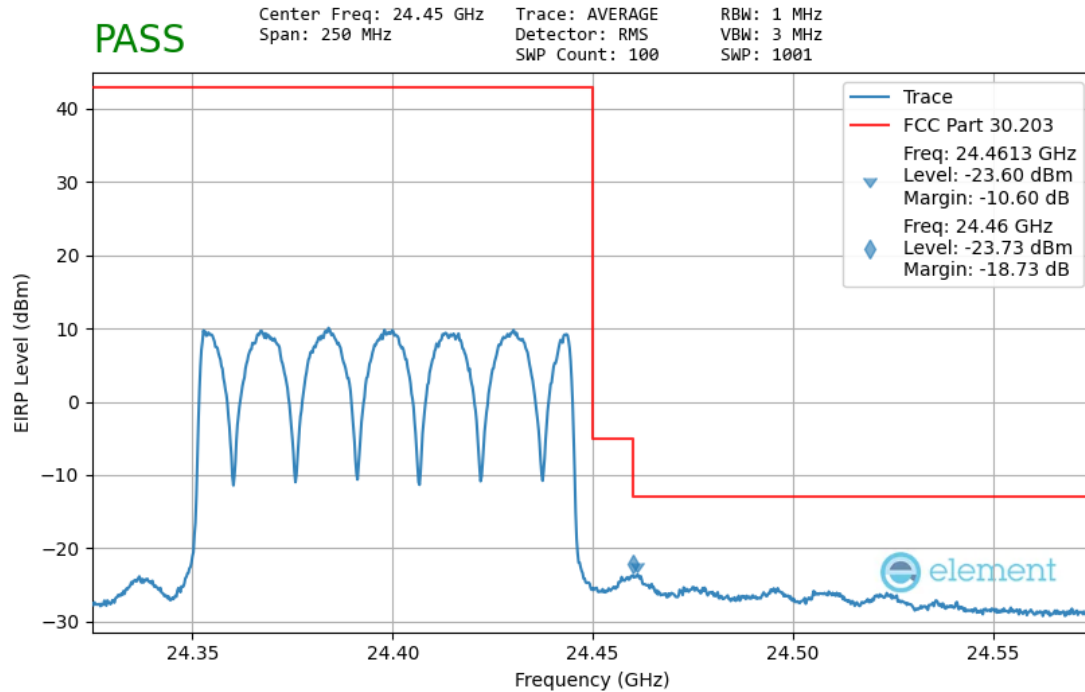


Plot 7-246.Ant 1 Upper Band Edge- (50MHz-4CC – CP -OFDM QPSK 1 RB)

FCC ID: A3LSMX828U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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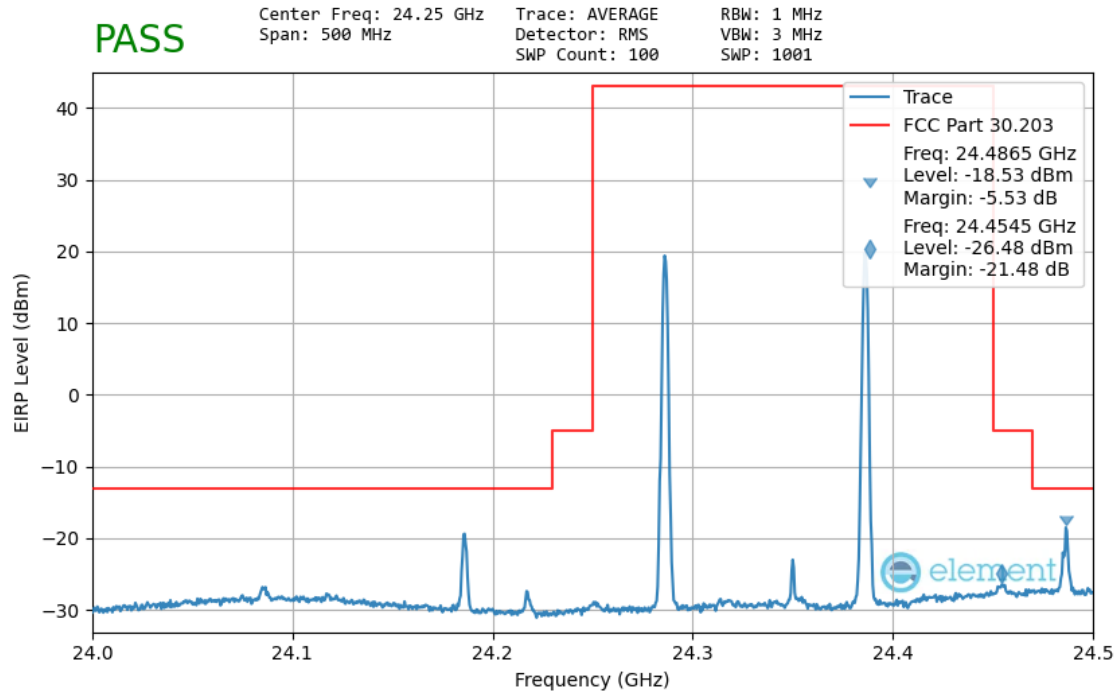


Plot 7-247.Ant 1 Lower Band Edge- (100MHz-1CC – CP -OFDM QPSK Full RB)

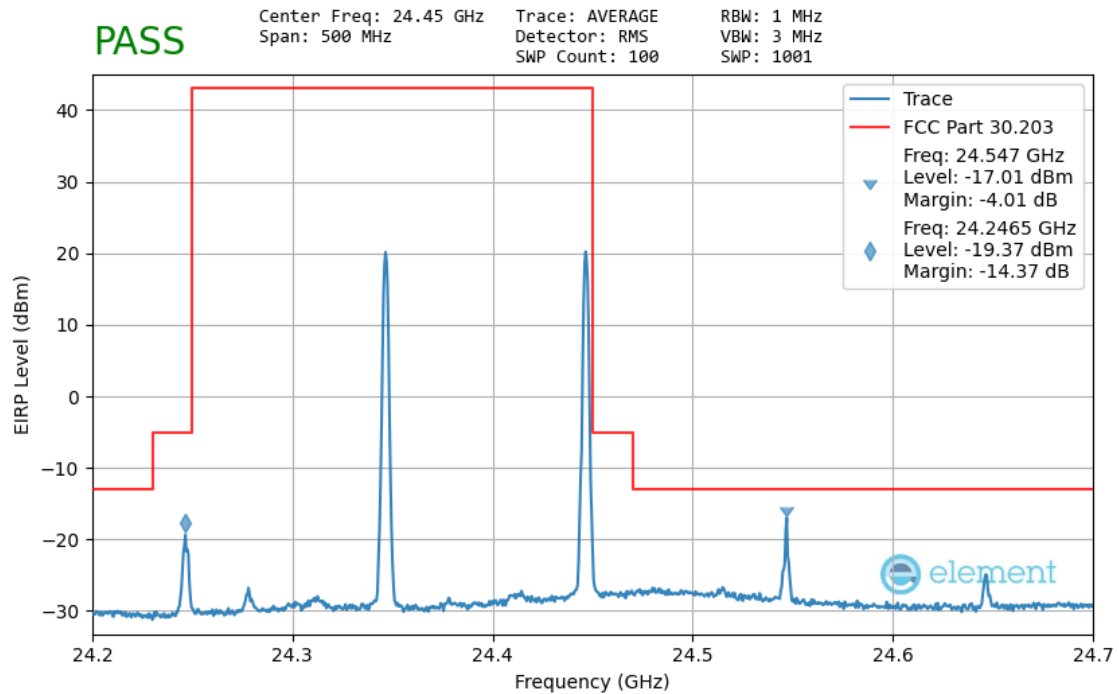


Plot 7-248.Ant 1 Upper Band Edge - (100MHz-1CC – DFT-s-OFDM $\pi/2$ BPSK Full RB)

FCC ID: A3LSMX828U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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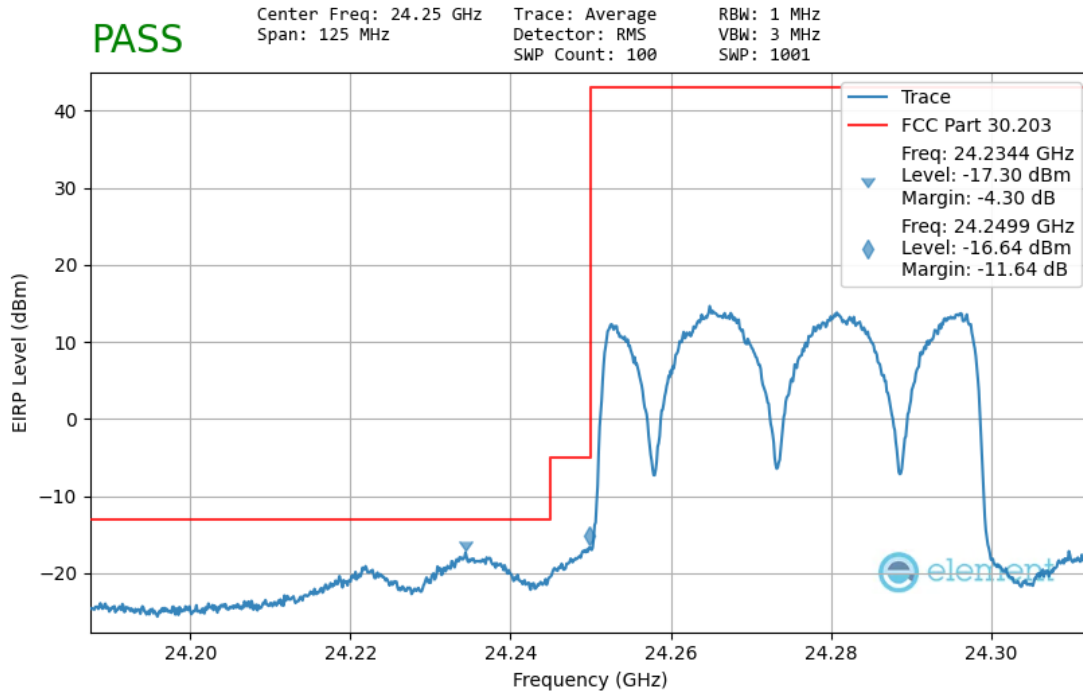


Plot 7-249.Ant 1 Lower Band Edge - (100MHz-2CC CP -OFDM QPSK 1 RB)

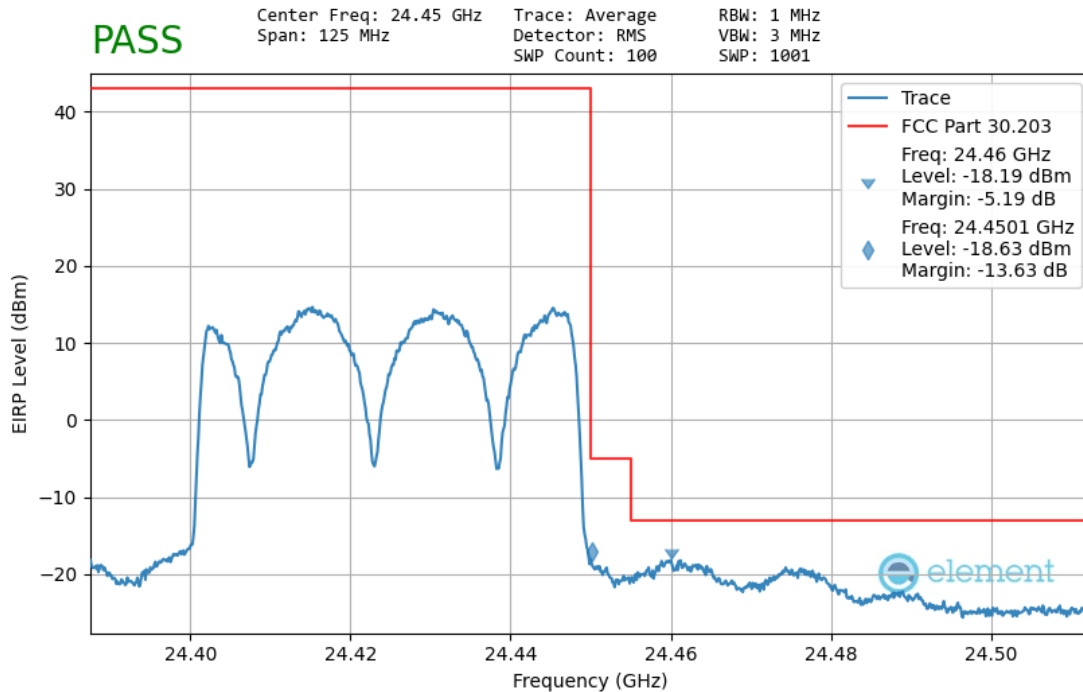


Plot 7-250.Ant 1 Upper Band Edge- (100MHz-2CC – CP -OFDM QPSK 1 RB)

FCC ID: A3LSMX828U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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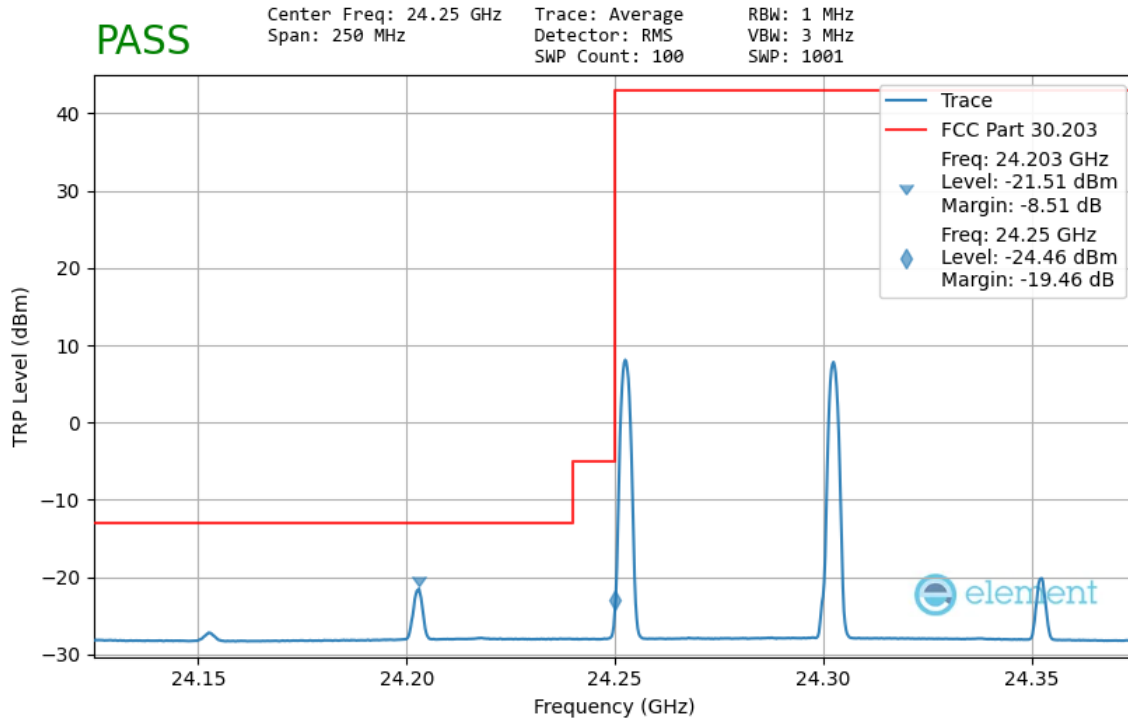


Plot 7-251. Ant 2 Lower Band Edge - (50MHz-1CC – DFT-s-OFDM QPSK Full RB)

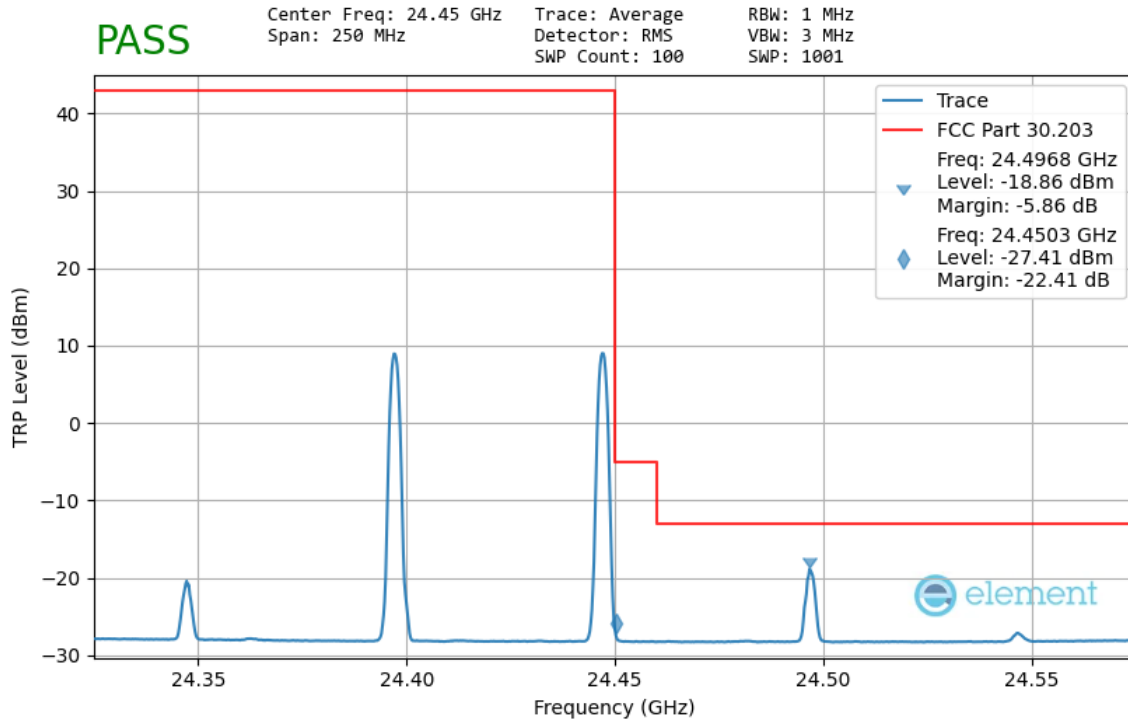


Plot 7-252. Ant 2 Upper Band Edge- (50MHz-1CC – DFT-s-OFDM QPSK Full RB)

FCC ID: A3LSMX828U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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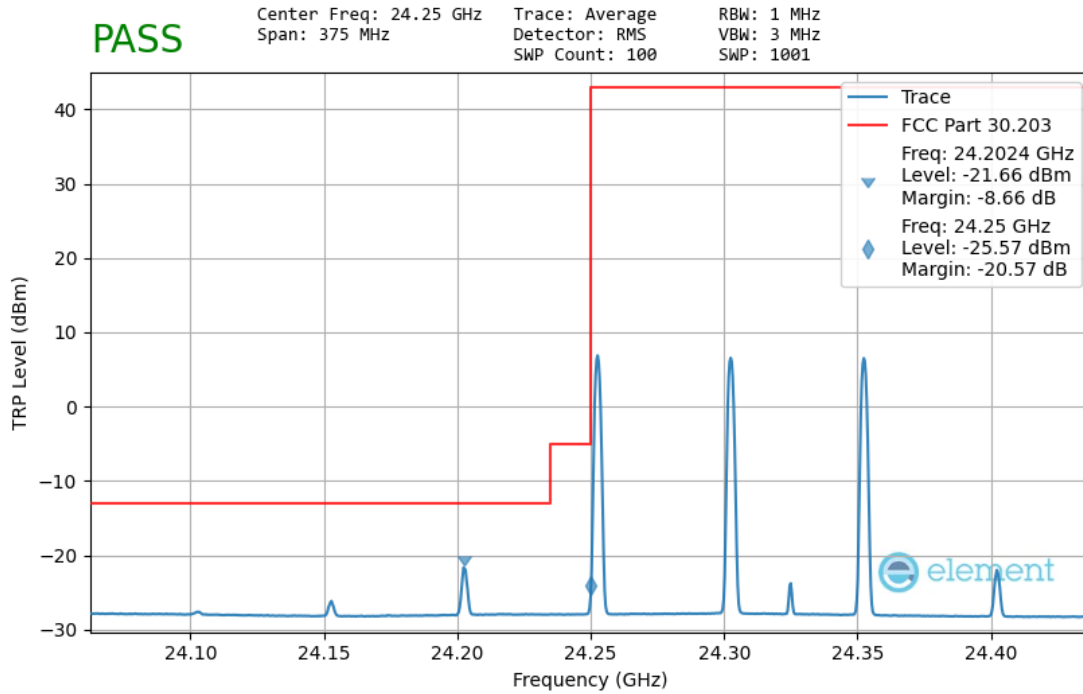


Plot 7-253. Ant 2 Lower Band Edge – TRP (50MHz-2CC – DFT-s -OFDM QPSK 1 RB)

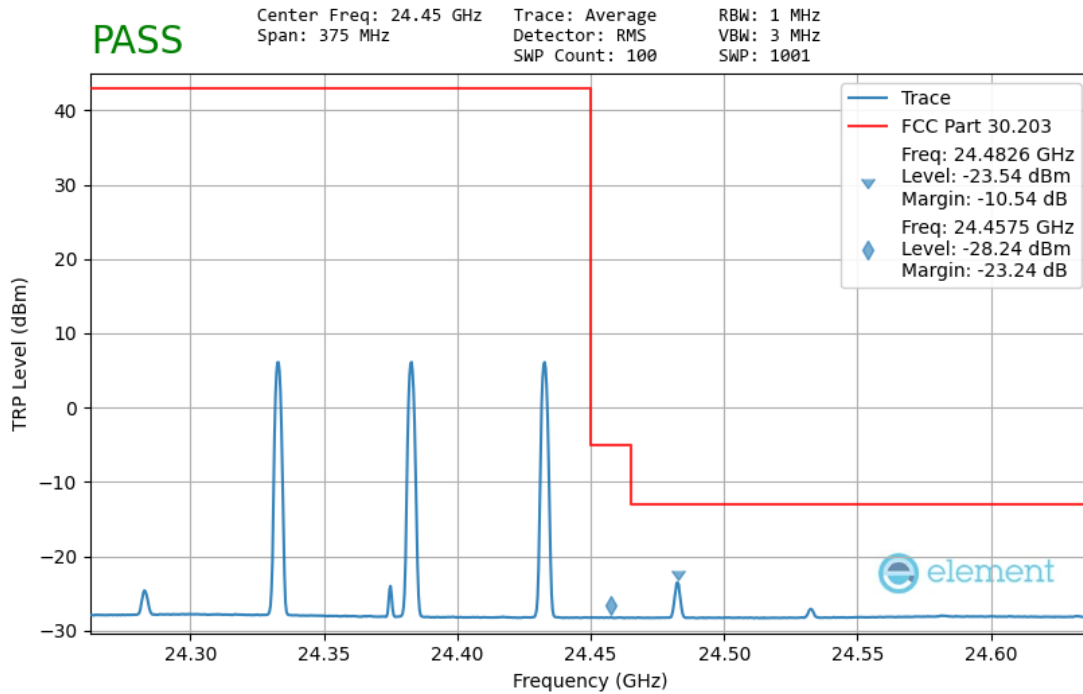


Plot 7-254. Ant 2 Upper Band Edge- TRP (50MHz-2CC – CP-OFDM QPSK 1 RB)

FCC ID: A3LSMX828U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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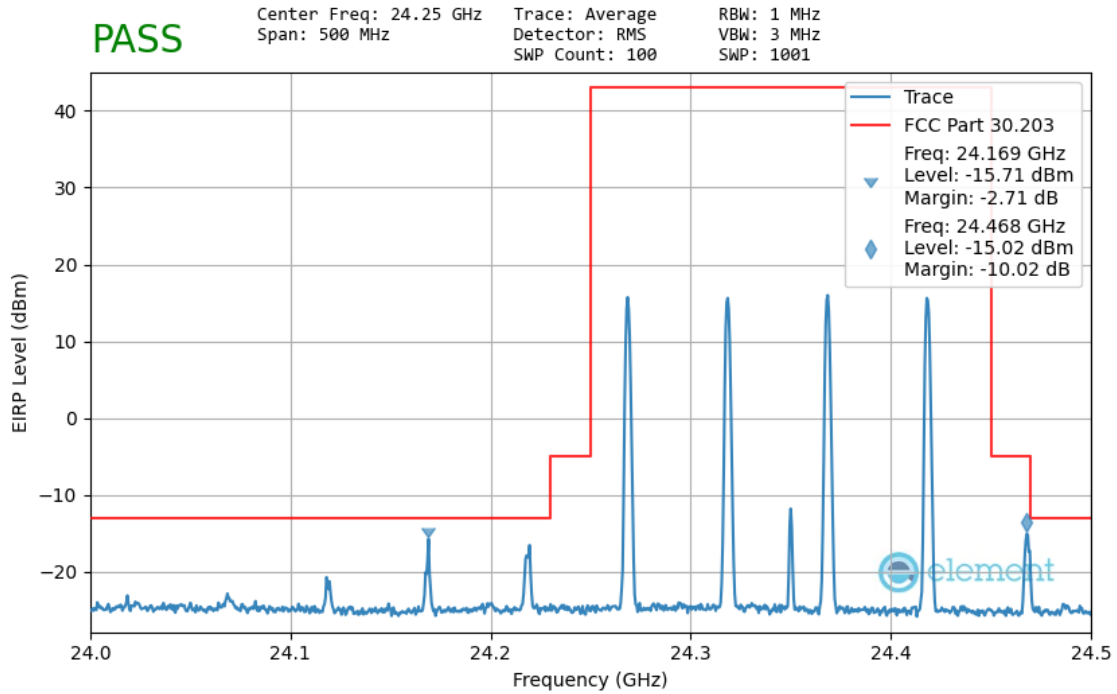


Plot 7-255. Ant 2 Lower Band Edge - TRP (50MHz-3CC – CP -OFDM QPSK 1 RB)

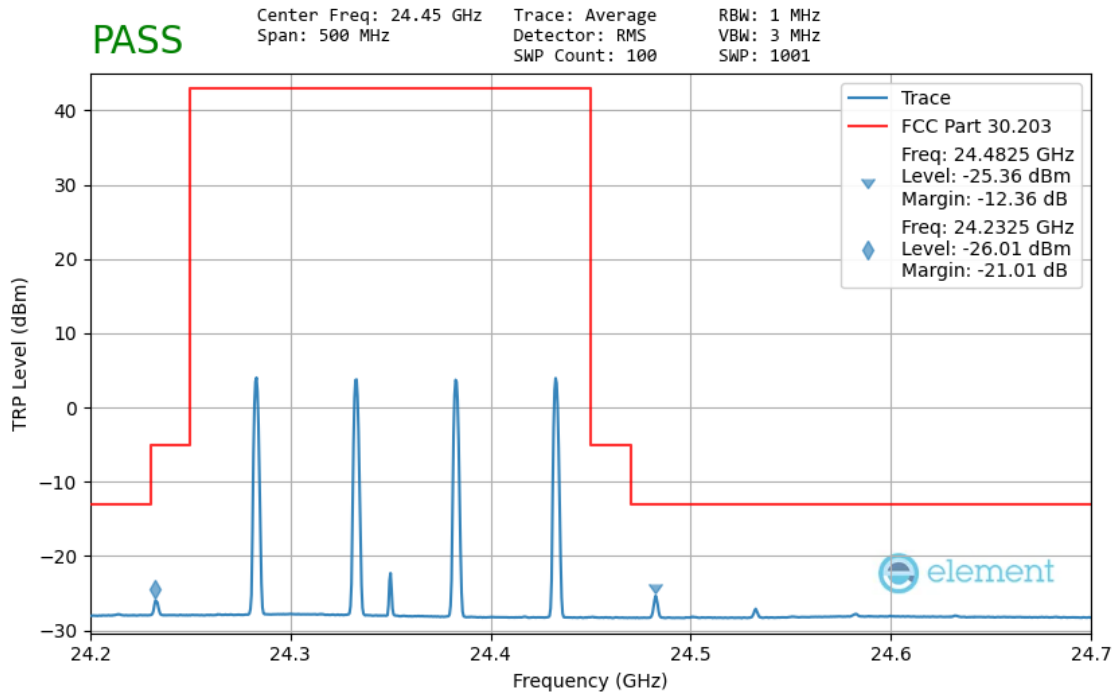


Plot 7-256. Ant 2 Upper Band Edge- TRP (50MHz-3CC – DFT-s-OFDM BPSK 1 RB)

FCC ID: A3LSMX828U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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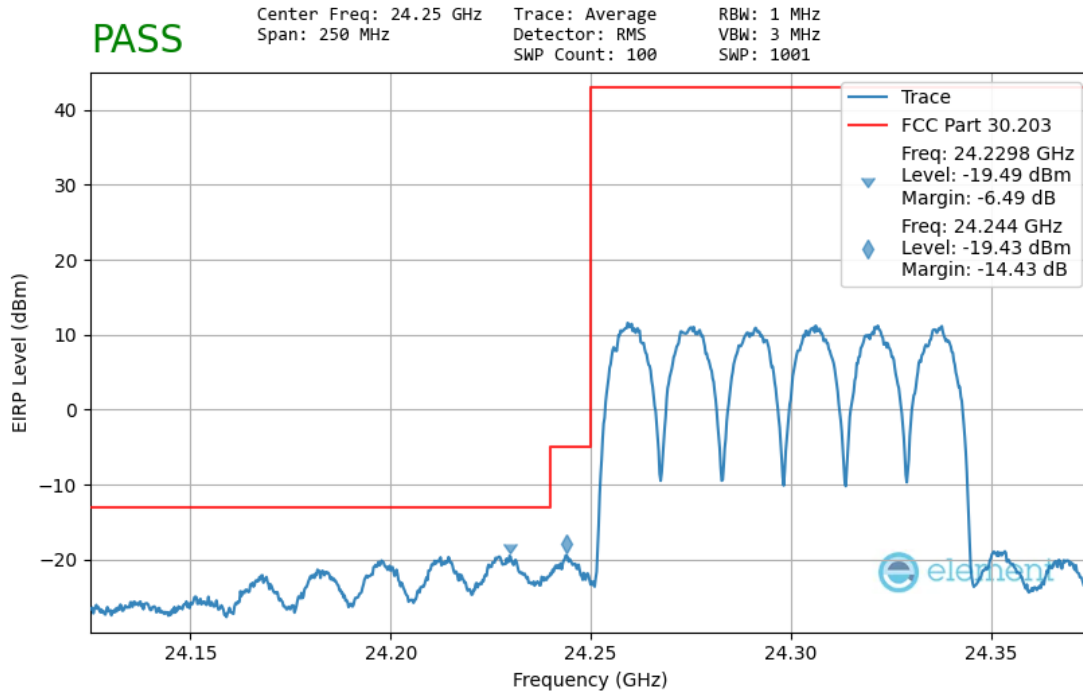


Plot 7-257. Ant 2 Lower Band Edge - (50MHz-4CC – DFT-s -OFDM BPSK 1 RB)

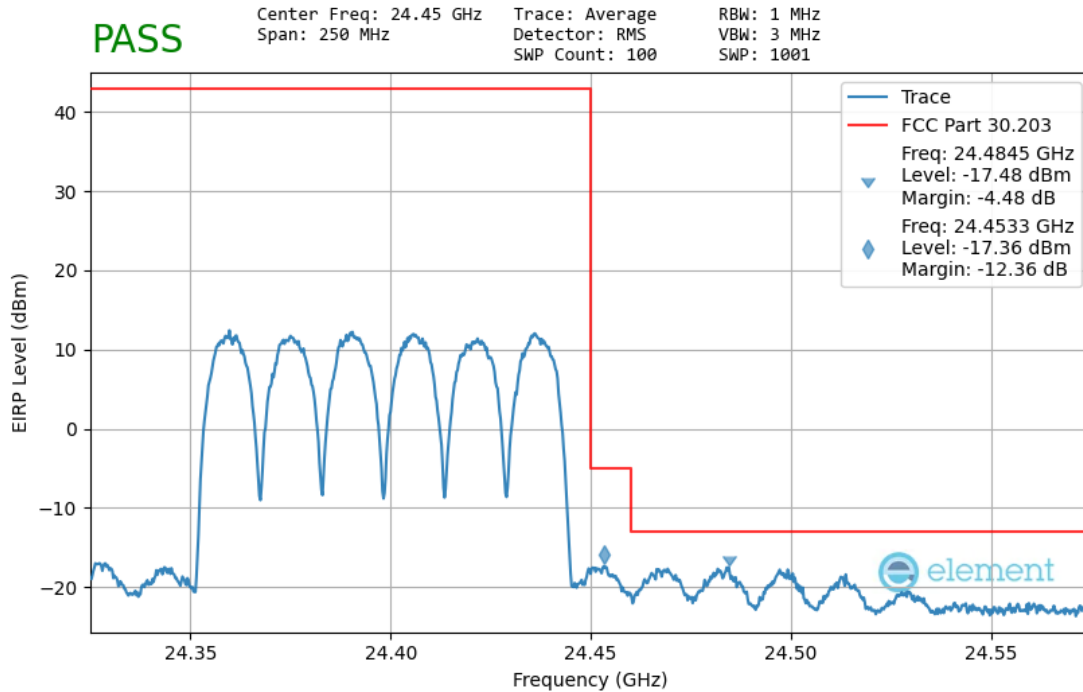


Plot 7-258. Ant 2 Upper Band Edge- TRP (50MHz-4CC – CP-OFDM QPSK 1 RB)

FCC ID: A3LSMX828U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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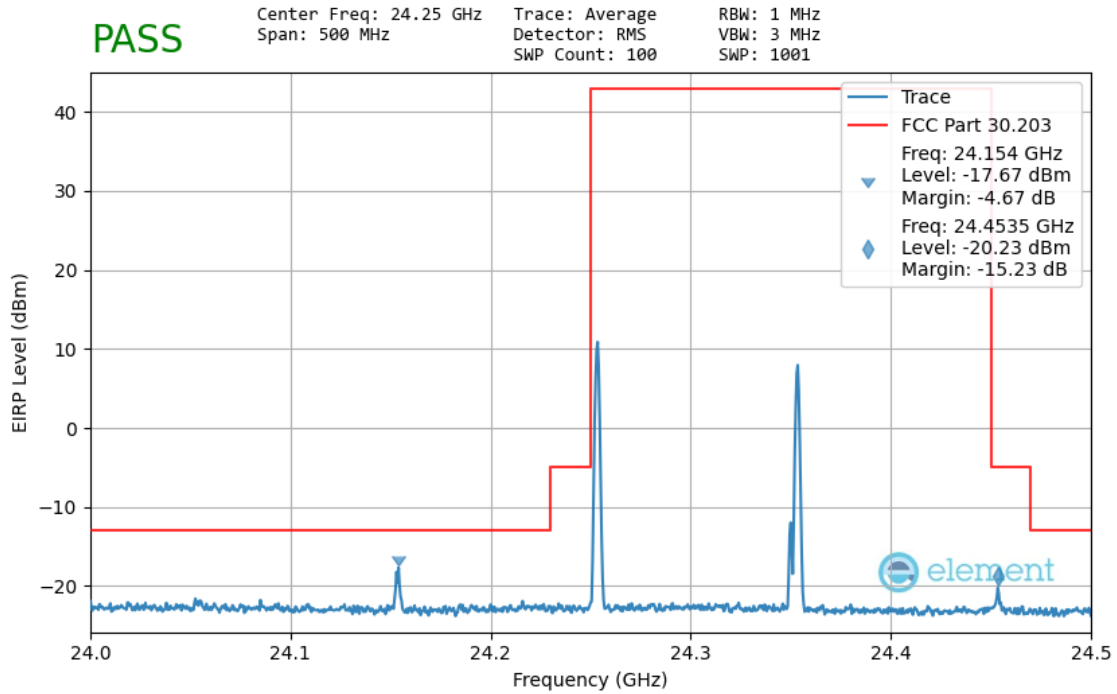


Plot 7-259.Ant 2 Lower Band Edge- (100MHz-1CC – DFT-s -OFDM QPSK Full RB)

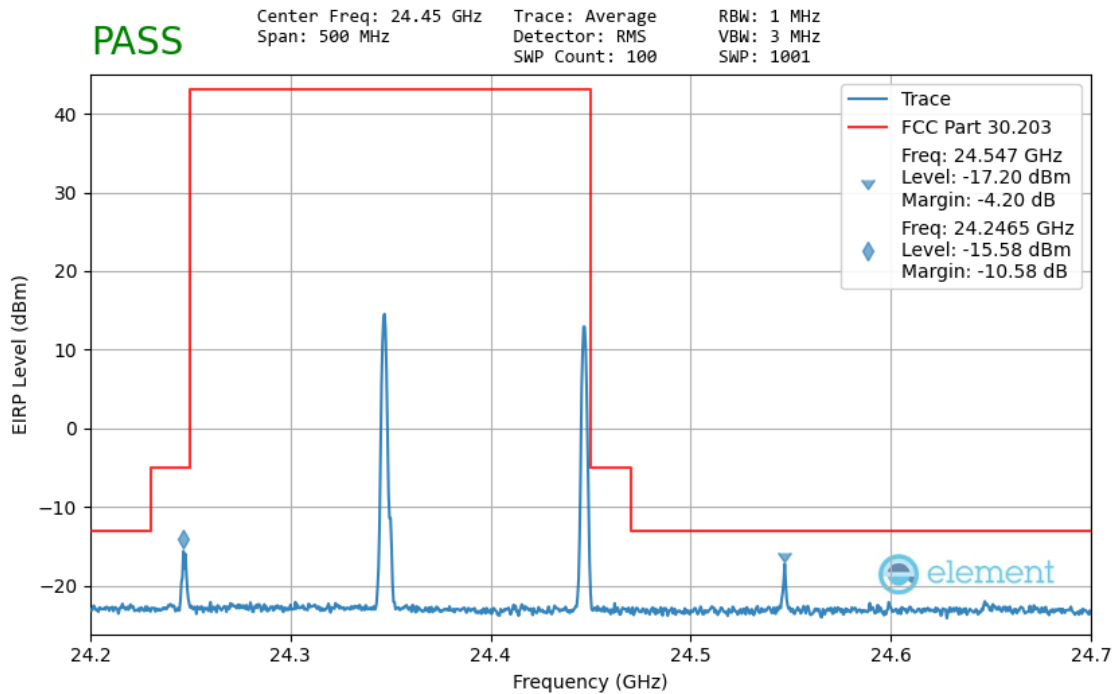


Plot 7-260.Ant 2 Upper Band Edge - (100MHz-1CC – DFT-s-OFDM QPSK Full RB)

FCC ID: A3LSMX828U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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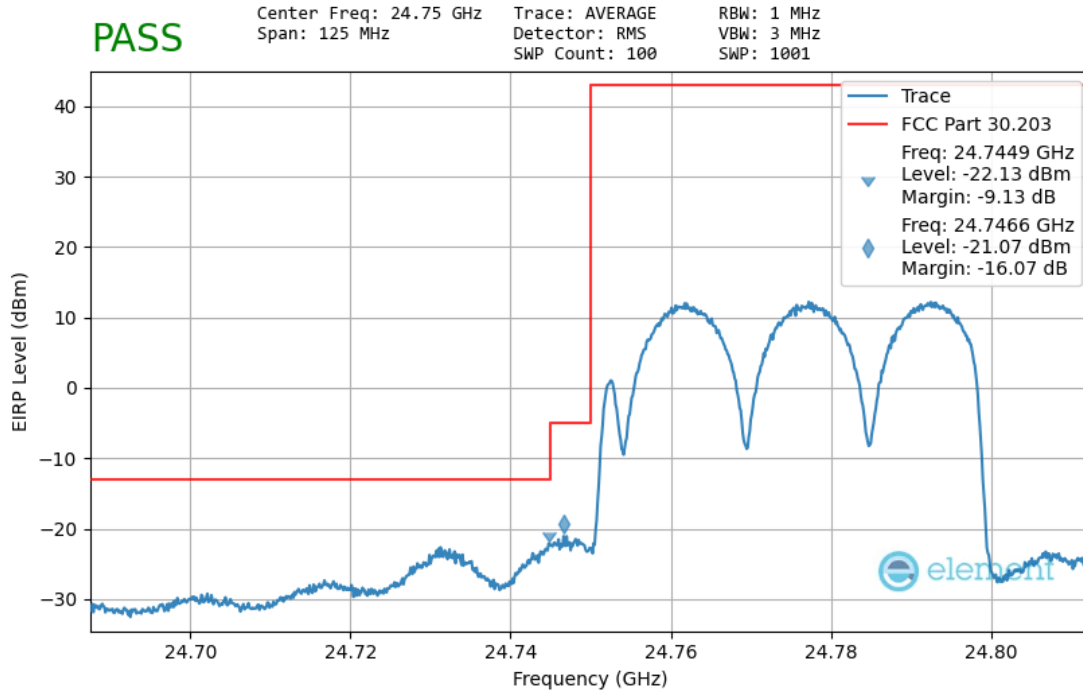
Plot 7-261.Ant 2 Lower Band Edge - (100MHz-2CC CP -OFDM QPSK 1 RB)



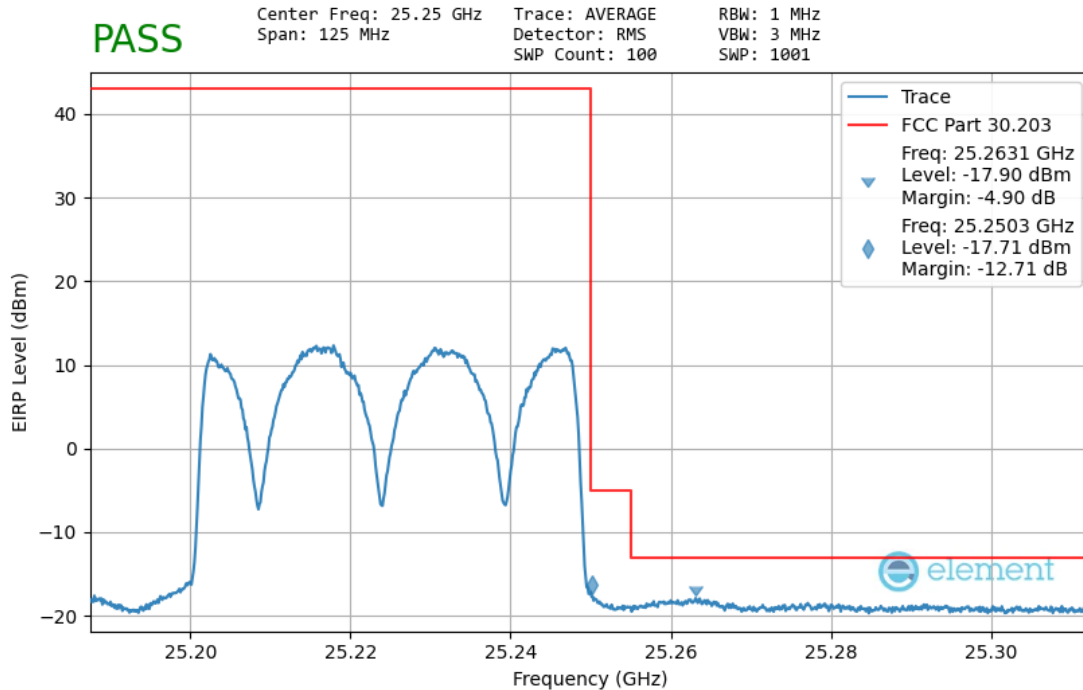
Plot 7-262.Ant 2 Upper Band Edge- (100MHz-2CC – CP -OFDM QPSK 1 RB)

FCC ID: A3LSMX828U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Band n258-R2 –Worst Case

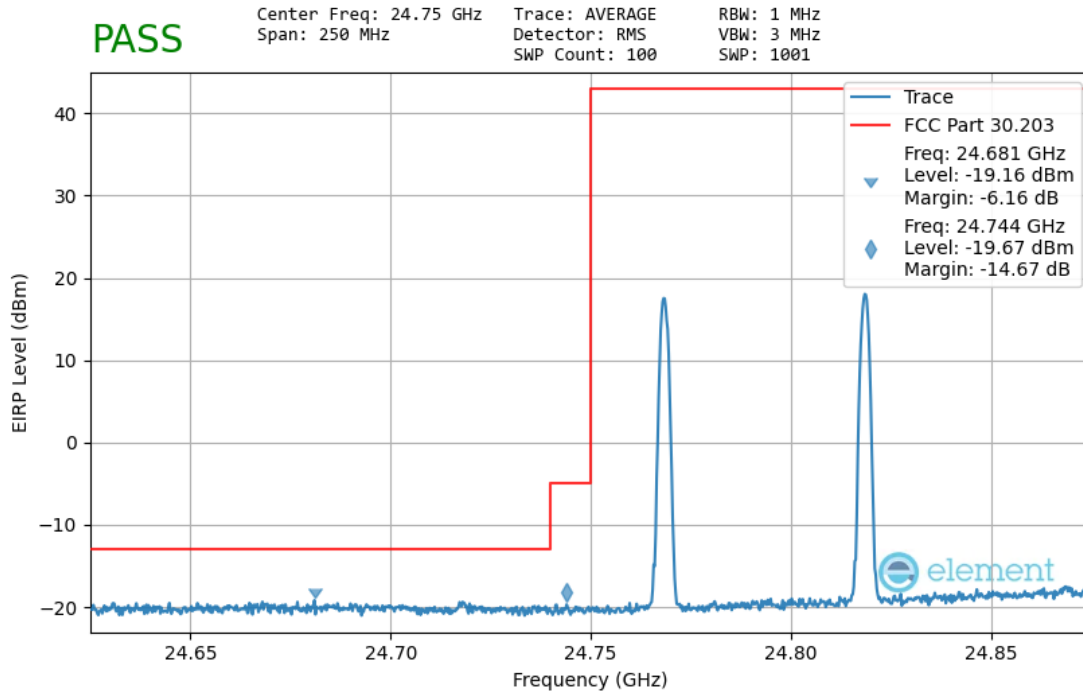


Plot 7-263. Ant 1 Lower Band Edge- (50MHz-1CC – DFT-s-OFDM QPSK Full RB)

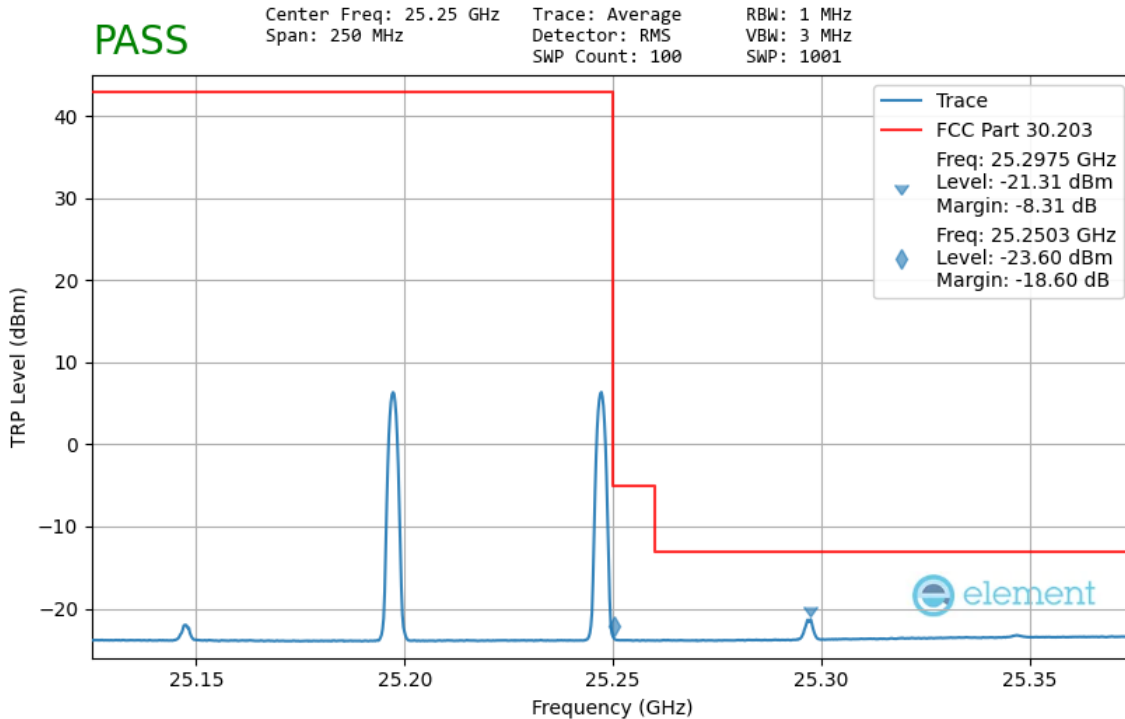


Plot 7-264. Ant 1 Upper Band Edge (50MHz-1CC – DFT-s-OFDM QPSK Full RB)

FCC ID: A3LSMX828U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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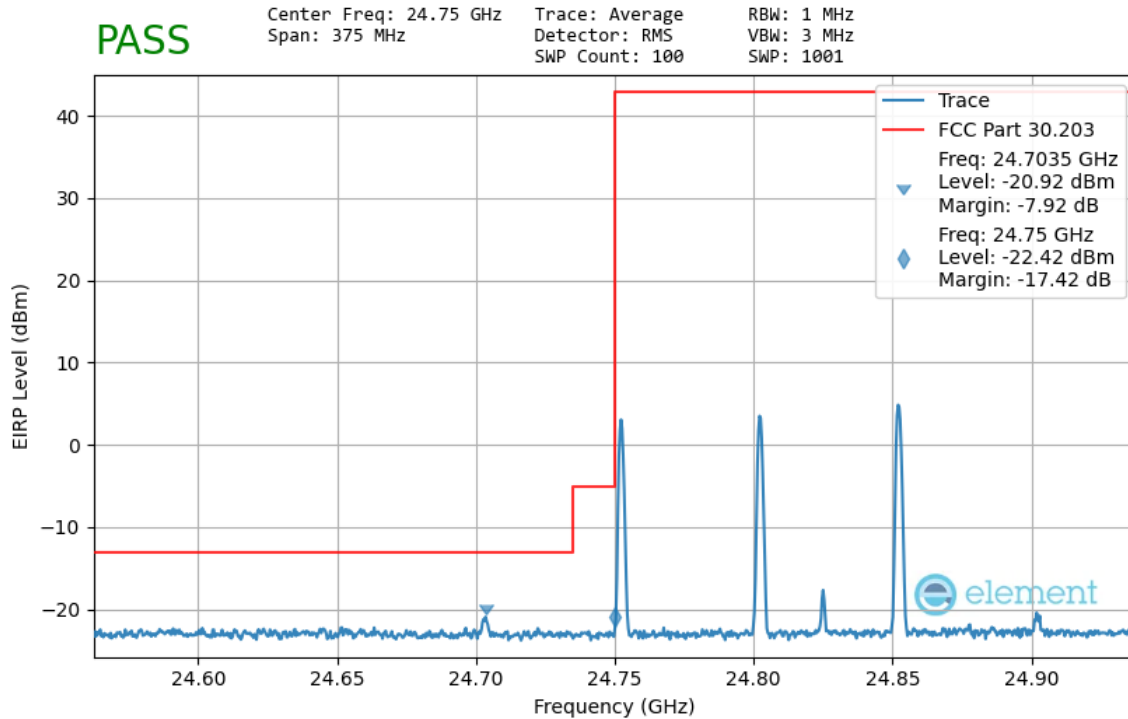


Plot 7-265. Ant 1 Lower Band Edge-(50MHz-2CC – DFT-s-OFDM $\pi/2$ BPSK 1 RB)

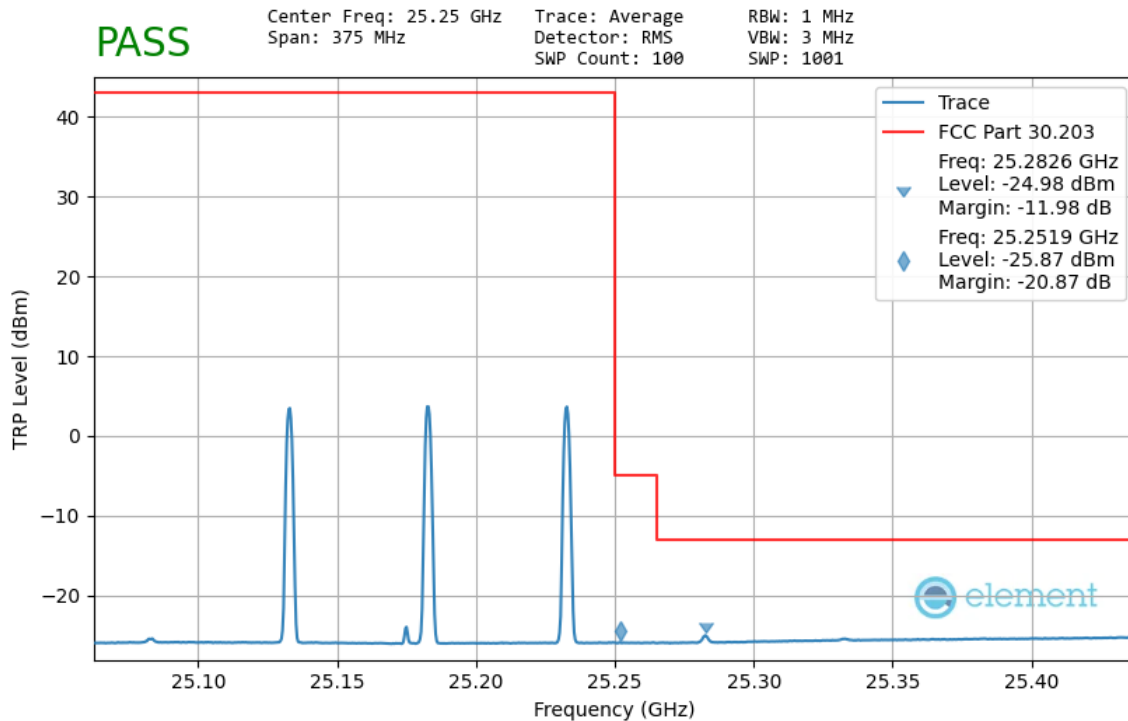


Plot 7-266.Ant 1 Upper Band Edge- TRP (50MHz-2CC – CP-OFDM QPSK 1 RB)

FCC ID: A3LSMX828U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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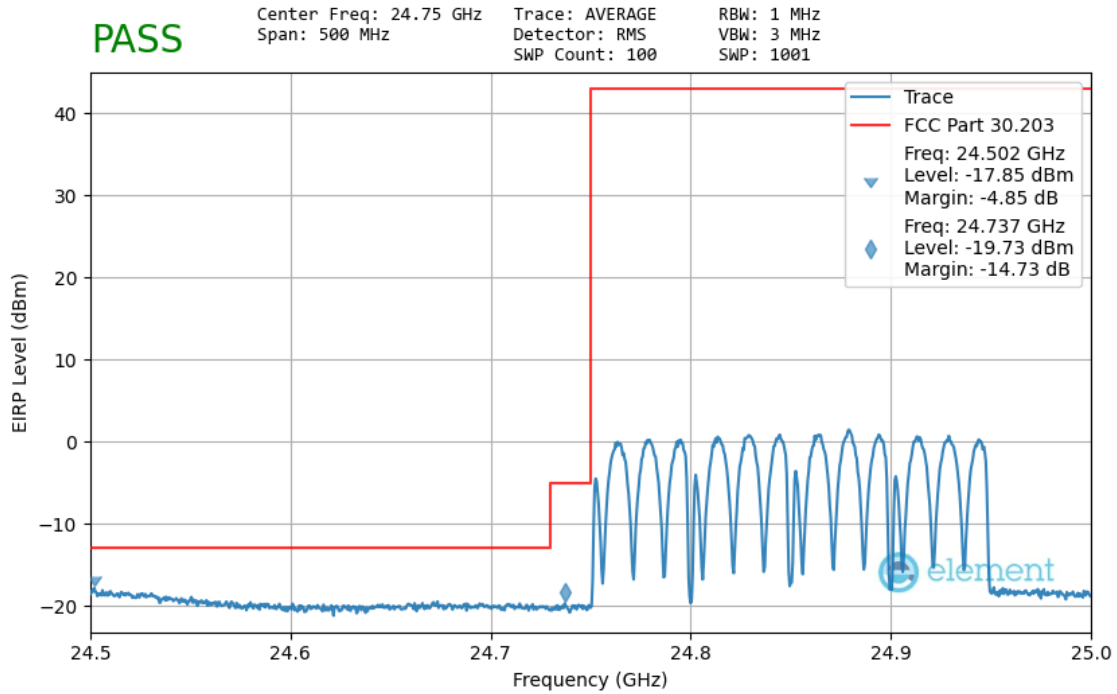


Plot 7-267. Ant 1 Lower Band Edge- (50MHz-3CC – CP-OFDM QPSK 1 RB)

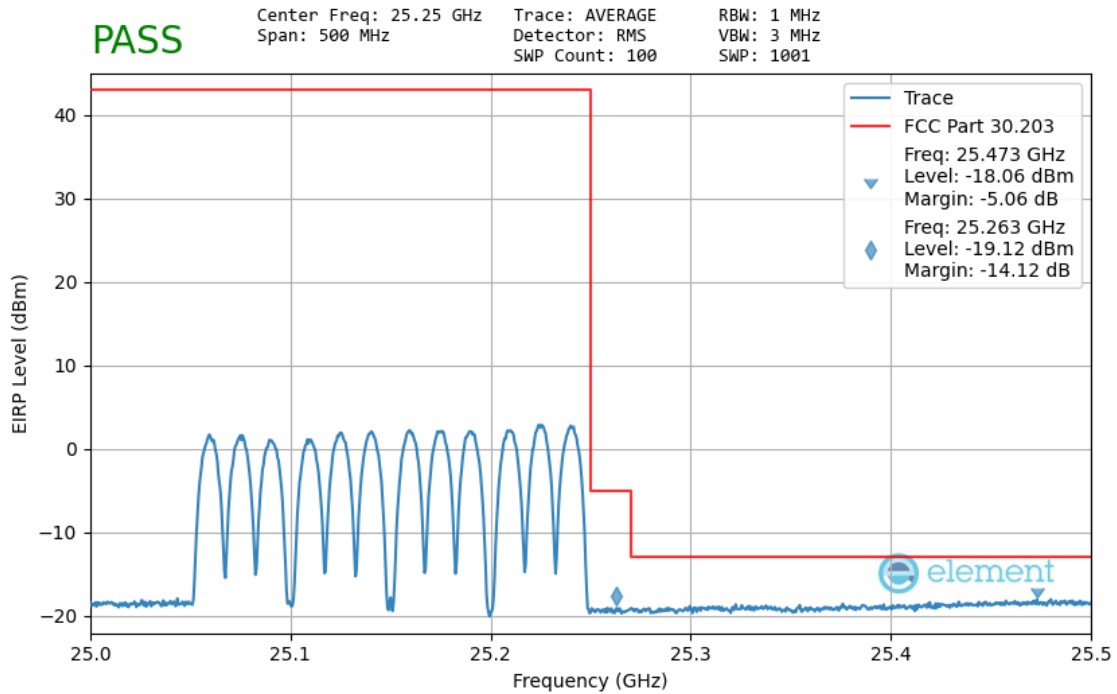


Plot 7-268. Ant 1 Upper Band Edge - TRP (50MHz-3CC – DFT-s-OFDM QPSK 1 RB)

FCC ID: A3LSMX828U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Plot 7-269. Ant 1 Lower Band Edge- (50MHz-4CC – CP-OFDM QPSK Full RB)



Plot 7-270. Ant 1 Upper Band Edge (50MHz-4CC – DFT-s-OFDM QPSK Full RB)

FCC ID: A3LSMX828U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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