



Test report

REP158498-1R3TRFWL

Date of issue: June 8, 2026

Applicant:

Echodyne Corporation

Product:

EchoGuard and EchoGuard CR

Model:

700-0005-203

Variant(s):

700-0005-203-X00 where X denotes the color
700-0005-203-X10 for low power variant
where X denotes the color

FCC ID:

2ANLB-MESASSR00053

Specifications:

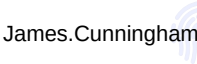
◆ **FCC CFR 47 Part 87**

Aviation Services

◆ **FCC CFR 47 Part 2**

Frequency Allocations and Radio Treaty Matters, General Rules and Regulations

Lab and test locations

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State	California
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FCC Site Number	Test Firm Registration Number: 392943; Designation Number: US5058
ISED Test Site	2040B-3
Tested by	Chenhao Ma, Wireless Test technician
Reviewed by	James Cunningham, EMC and Wireless manager
Review date	June 8, 2026
Reviewer signature	 Digitally signed by James Cunningham DN: cn=James.Cunningham, email=James.Cunningham@nemko.com Reason: I am approving this document Date: 2026.06.08 07:52:31 -0700

Limits of responsibility

Note that the results contained in this report relate only to the items tested and were obtained in the period between the date of initial receipt of samples and the date of issue of the report.

This test report has been completed in accordance with the requirements of ISO/IEC 17025. All results contain in this report are within Nemko USA's ISO/IEC 17025 accreditation.

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Section 1 Report summary

1.1 Test specifications

FCC CFR 47 Part 2	Frequency Allocations and Radio Treaty Matters General Rules and Regulations
FCC CFR 47 Part 87	Aviation Services

1.2 Test methods

ANSI C63.26-2015	American National Standard of Procedures for Compliance Testing of Transmitters Used in Licensed Radio Services
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1.3 Exclusions

None.

1.4 Statement of compliance

Testing was performed against all relevant requirements of the test standard(s).

Results obtained indicate that the product under test complies in full with the tested requirements.

The test results relate only to the item(s) tested.

See "Section 2 Summary of test results" for full details.

1.5 Test report revision history

Table 1.5-1: Test report revision history

Revision #	Issue Date	Details of changes made to test report
REP158498-1TRFEMC	May 7, 2026	Original report issued
REP158498-1R1TRFEMC	May 7, 2026	Corrected variant model numbers
REP158498-1R2TRFEMC	May 21, 2026	Corrected power calculations
REP158498-1R3TRFEMC	June 8, 2026	Minor edits following TCB feedback

Section 2 Summary of test results

2.1 FCC Part 2 and Part 87 test results

Part	Test description	Verdict
§2.1049 and Part 87.135 (a)	Bandwidth of emission	Pass
§2.1046 (a) and §87.131	Power and emissions	Pass
§87.139 (a)	Emission limitations	Pass
§2.1055 and §87.133 (a)	Frequency stability	Not tested ²
§2.1051 and §87.139 (a)	Spurious emissions at antenna port	Not applicable ¹
§2.1053 and §87.139 (a)	Emission limitations	Pass

¹ Note: Conducted port not available.

² Note: Test not performed. Testing is to support a class II permissive change – frequency stability performance is not impacted by the product changes.

Section 3 Equipment under test (EUT) details

3.1 Disclaimer

This section contains information provided by the applicant and has been utilized to support the test plan. Inaccurate information provided by the applicant can affect the validity of the results within this test report. Nemko accepts no responsibility for the information contained within this section and the impact it may have on the test plan and resulting measurements.

3.2 Sample information

Receipt date	06-Apr-26
Nemko sample ID number	PRJ0096222

3.3 Testing period

Test start date	06-Apr-26
Test end date	09-Apr-26

3.4 Applicant

Company name	Echodyne Corporation
Address	12112 115th Ave NE
City	Kirkland
State	WA
Postal/Zip code	98034
Country	United States of America

3.5 Manufacturer

Company name	Echodyne Corporation
Address	12112 115th Ave NE
City	Kirkland
State	WA
Postal/Zip code	98034
Country	United States of America

3.6 EUT information

Product name	EchoGuard and EchoGuard CR
Model	700-0005-203
Variant(s)	700-0005-203-X00 where X denotes the color 700-0005-203-X10 for low power variant where X denotes the color
Serial number	SSR-K-004334 (and SCR-K-004335)
Part number	700-0005-203-100 (and 700-0005-203-110)
Power requirements	12-28V DC nominal
Description/theory of operation	Radar
Software details	SW Suite: 18.1.5 Firmware: 23.7.D.9.5 (35.9.5)
Operating band	24.45-24.65GHz
Minimum frequency (MHz)	24.45 GHz
Maximum frequency (MHz)	24.65 GHz
Antenna type	Integral
Antenna gain (declared)	22 dBi (21dBi nominal)

3.7 EUT exercise and monitoring details

EUT description of the methods used to exercise the EUT and all relevant ports:

- Computer running BNET test script to configure the radar and continuously transmit directional beam in the selected channel.
- Additional terminal port providing additional ping traffic to increase data throughput.

EUT setup/configuration rationale:

- The EUT setup in a configuration that was expected to produce the highest amplitude emissions.

Monitor details:

- Test script will stop transmitting and provide error message

3.8 EUT setup details

Table 3.8-1: EUT sub assemblies

Description	Brand name	Model/Part number	Serial number	Rev.
EchoGuard	Echodyne	700-0005-203	SSR-K-004334	None
Y-cable	Echodyne	700035-102-100	N/A	1

Table 3.8-2: EUT interface ports

Description	Qty.
DC power	1
GE	1

Table 3.8-3: Support equipment

Description	Brand name	Model/Part number	Serial number	Rev.
AC/DC power supply	Meanwell	OWA-90U-24	GC1A5K2726	
Computer	Lenovo			

Table 3.8-4: Inter-connection cables

Cable description	From	To	Length (m)
Y-cable, 8 feet shielded	EUT	PSU and RJ45 GE connector	2.5

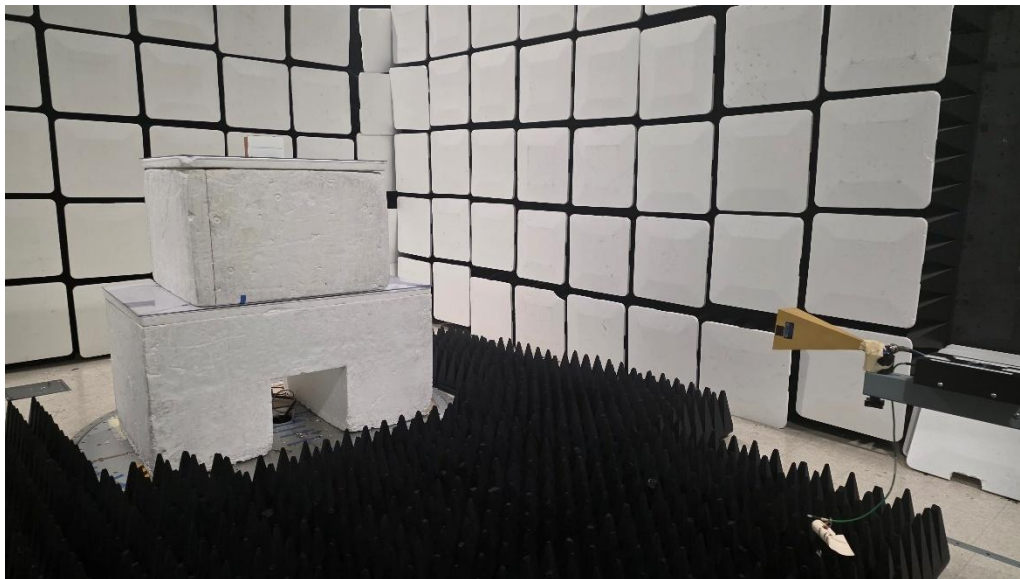


Figure 3.8-1: Test setup diagram

Section 4 Engineering considerations

4.1 Modifications incorporated in the EUT

None.

4.2 Technical judgement

None.

4.3 Deviations from laboratory test procedures

None.

Section 5 Test conditions

5.1 Atmospheric conditions

Temperature	15–30 °C
Relative humidity	20–75 %
Air pressure	86–106 kPa

When it is impracticable to carry out tests under these conditions, a note to this effect stating the ambient temperature and relative humidity during the tests shall be recorded and stated.

5.2 Power supply range

The normal test voltage for equipment to be connected to the mains shall be the nominal mains voltage. For the purpose of the present document, the nominal voltage shall be the declared voltage, or any of the declared voltages ± 5 %, for which the equipment was designed.

Section 6 Measurement uncertainty

6.1 Uncertainty of measurement

Nemko USA Inc. has calculated measurement uncertainty and is documented in EMC/MUC/001 "Uncertainty in EMC measurements." Measurement uncertainty was calculated using the methods described in CISPR 16-4-2 Specification for radio disturbance and immunity measuring apparatus and methods – Part 4-2: Uncertainties, statistics, and limit modelling – Measurement instrumentation uncertainty. The expression of Uncertainty in EMC testing. Measurement uncertainty calculations assume a coverage factor of K=2 with 95% certainty.

Table 6.1-1: Measurement uncertainty calculations

Measurement		U_{cispr} dB	U_{lab} dB
Conducted disturbance at AC mains and other port power using a V-AMN	9 kHz to 150 kHz	3.8	2.9
	150 kHz to 30 MHz	3.4	2.3
Conducted disturbance at telecommunication port using AAN	150 kHz to 30 MHz	5.0	4.3
Conducted disturbance at telecommunication port using CVP	150 kHz to 30 MHz	3.9	2.9
Conducted disturbance at telecommunication port using CP	150 kHz to 30 MHz	2.9	1.4
Conducted disturbance at telecommunication port using CP and CVP	150 kHz to 30 MHz	4.0	3.1
Radiated disturbance (electric field strength in a SAC)	30 MHz to 1 GHz	6.3	5.5
Radiated disturbance (electric field strength in a FAR)	1 GHz to 6 GHz	5.2	4.7
Radiated disturbance (electric field strength in a FAR)	6 GHz to 18 GHz	5.5	5.0

- Notes:
- Compliance assessment:
 - If U_{lab} is less than or equal to U_{cispr} then:
 - compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;
 - non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit
 - If U_{lab} is greater than U_{cispr} then:
 - compliance is deemed to occur if no measured disturbance level, increased by $(U_{\text{lab}} - U_{\text{cispr}})$, exceeds the disturbance limit;
 - non-compliance is deemed to occur if any measured disturbance level, increased by $(U_{\text{lab}} - U_{\text{cispr}})$, exceeds the disturbance limit

V-AMN: V type artificial mains network
 AAN: Asymmetric artificial network
 CP: Current probe
 CVP: Capacitive voltage probe
 SAC: Semi-anechoic chamber
 FAR: Fully anechoic room

Section 7 Test equipment

7.1 Test equipment list

Table 7.1-1: Test equipment list

Equipment	Manufacturer	Model no.	Asset no.	Cal cycle	Next cal.
Signal and spectrum analyzer	Rohde & Schwarz	FSW43	E1302	19-Mar-2025	19-Jun-2026
Turntable/mast controller	Sunol Science	SC104V	E1129	NCR	NCR
EMC Test Receiver	Rohde & Schwarz	ESU 40	E1121	07-Jan-2026	07-Jan-2027
Antenna, Bilog, 30-1000 MHz	Schaffner-Chase	CBL6111C	1763	16-Jul-2024	16-Jul-2026
Antenna, Horn, 1-18 GHz	ETS	3117-PA	E1160	17-May-2024	17-May-2026
Antenna, Horn, 18-26.5 GHz	Sage Millimeter	SAZ-2410-42-S1	EW107	VBV	VBV
Antenna, Horn, 26.5-40 GHz	Sage Millimeter	SAZ-2410-2-S1	EW108	VBV	VBV
Low noise amplifier, 18-40 GHz	Sage Millimeter	SBL-1834034030-KFKF	E1228	VBV	VBV
WR-19 Rectangular Gain Horn, 40-60 GHz	Sage Millimeter	SAR-2309-19-S2	E1144	NCR	NCR
Harmonic mixer, 40-60 GHz	Rohde & Schwarz	FS-Z60	E1138	NCR	NCR
WR-15 Rectangular Gain Horn, 50-75 GHz	Sage Millimeter	SAR-2408-15-S2	E1152	NCR	NCR
Harmonic mixer, 50-75 GHz	Rohde & Schwarz	FS-Z75	E1324	NCR	NCR
WR-10 Rectangular Gain Horn, 75-110 GHz	Sage Millimeter	SAR-2507-10-S2	E1146	NCR	NCR
Harmonic mixer, 75-110 GHz	Rohde & Schwarz	FS-Z110	E1154	NCR	NCR

Notes: N/A – not applicable
NCR – no calibration required
VOU – verify on use

Table 7.1-2: Test software details

Manufacturer of Software	Details
Rohde & Schwarz	EMC 32 V10.60.15

Notes: None

Section 8 Testing data

8.1 Bandwidth of emission (99%)

8.1.1 References and limits

- FCC 47 CFR Part 87: §87.135

- Test method: ANSI C63.26-2014 (5.4.4)

(a) Occupied bandwidth is the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to 0.5 percent of the total mean power of a given emission.

(b) The authorized bandwidth is the maximum occupied bandwidth authorized to be used by a station.

(c) The necessary bandwidth for a given class of emission is the width of the frequency band which is just sufficient to ensure the transmission of information at the rate and with the quality required under specified conditions.

8.1.2 Test summary

Verdict	Pass		
Test date	April 6, 2026;	Temperature	19°C
Test engineer	Chenhao Ma, Wireless Test Technician	Air pressure	1003mbar
Test location	☐ Wireless bench ☒ Other: 3M Chamber, 10m Chamber	Relative humidity	58%

8.1.3 Notes

Testing was performed with the transmitter operating on a fixed channel at full power.

Testing was done at 3 meters with the antenna and turntable fixed. A maximization of the signal was done to define the position of the max power:

8.1.4 Setup details

EUT power input during test	28 V DC
EUT setup configuration	☒ Table-top ☐ Floor standing ☐ Other:

Receiver settings:

Resolution bandwidth	Approximately 1-5 % of the emission bandwidth
Video bandwidth	Approximately 3 x resolution bandwidth
Detector mode	Peak
Trace mode	Max Hold
Measurement time	Long enough for trace to stabilize

8.1.5 Test data

Table 8.1-1: 99% OBW results.

Frequency	99% OBW
24.49 GHz	47.128 MHz
24.55 GHz	45.673 MHz
24.61 GHz	45.828 MHz

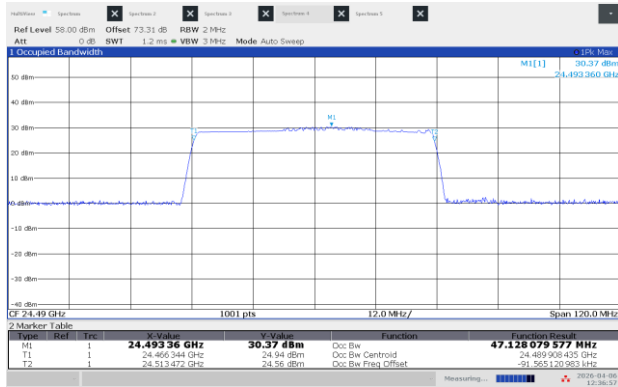


Figure 8.1-1: 99% OBW Low channel 24.49 GHz

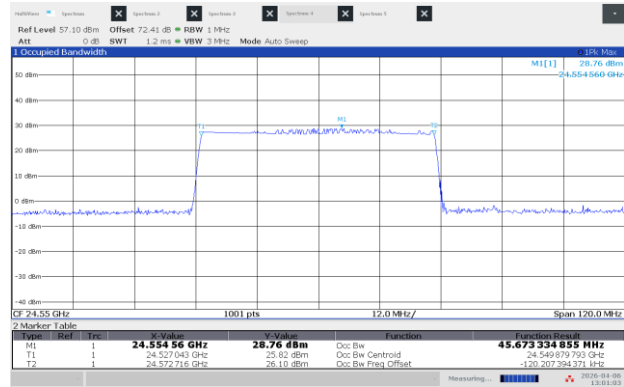


Figure 8.1-2: 99% OBW Middle channel 24.55 GHz

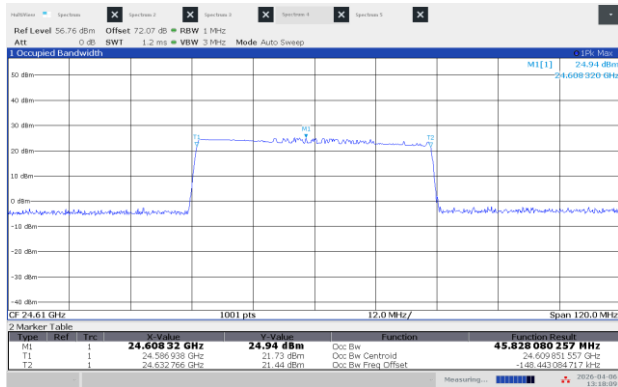


Figure 8.1-3: 99% OBW High channel 24.61 GHz

8.2 Bandwidth of emission (26 dB)

8.2.1 References and limits

- Test method: ANSI C63.26-2014 (5.4.3)

8.2.2 Test summary

Verdict	Pass		
Test date	April 6, 2026	Temperature	19°C
Test engineer	Chenhao Ma, Wireless Test Technician	Air pressure	1003mbar
Test location	☐ Wireless bench ☒ Other: 3M Chamber, 10m chamber	Relative humidity	58%

8.2.3 Notes

Testing was performed with the transmitter operating on a fixed channel at full power.

Testing was done at 3 meters with the antenna and turntable fixed. A maximization of the signal was done to define the position of the max power:

8.2.4 Setup details

EUT power input during test	28 V DC
EUT setup configuration	☒ Table-top ☐ Floor standing ☐ Other:

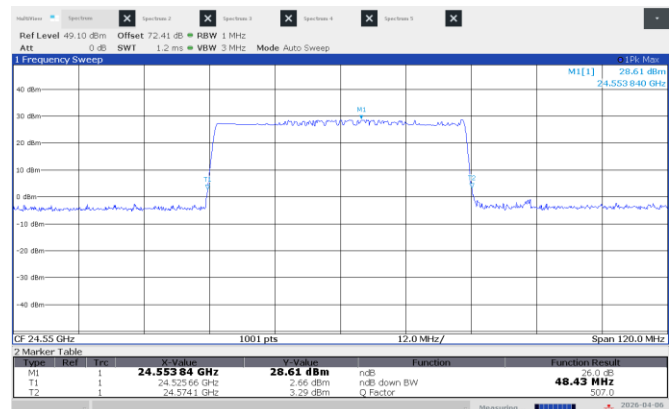
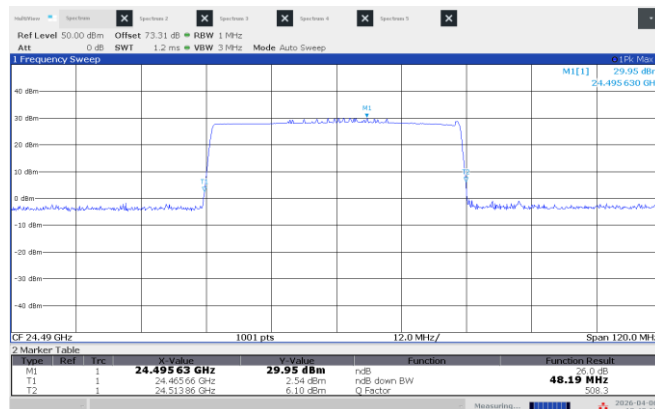
Receiver settings:

Resolution bandwidth	Approximately 1-5 % of the emission bandwidth
Video bandwidth	Approximately 3 x resolution bandwidth
Detector mode	Peak
Trace mode	Max Hold
Measurement time	Long enough for trace to stabilize

8.2.5 Test data

Table 8.2-1: 26 dB OBW results.

Frequency	26 dB OBW
24.49 GHz	48.19 MHz
24.55 GHz	48.43 MHz
24.61 GHz	48.67 MHz



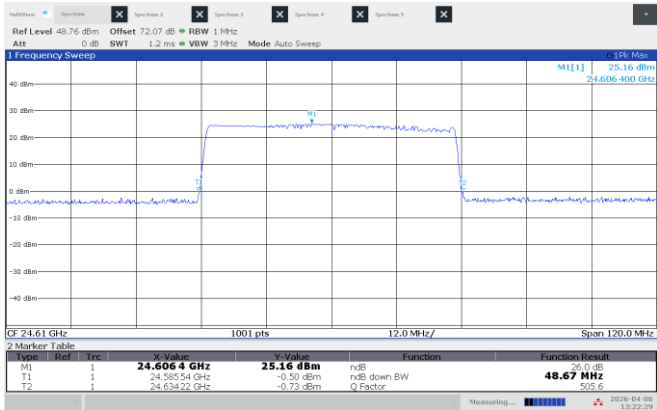


Figure 8.2-3: 26 dB OBW High channel: 24.61 GHz

8.3 Power and emissions

8.3.1 References and limits

- FCC 47 CFR Part 87: §87.131
- Test method: ANSI C63.26-2014 (5.2.4.4.2)

The following table lists authorized emissions and maximum power. Power must be determined by direct measurement.

Class of station	Frequency band/frequency	Authorized emission(s) ⁷	Maximum power ¹
(Radionavigation)	Various ⁷	Various ⁷	Various. ⁷

⁷ Frequency, emission, and maximum power will be determined by appropriate standards during the certification process.

8.3.2 Test summary

Verdict	Pass		
Test date	April 8, 2026	Temperature	20°C
Test engineer	Chenhao Ma, Wireless Test Technician	Air pressure	1001mbar
Test location	☐ Wireless bench ☒ Other: 10M Chamber	Relative humidity	57%

8.3.3 Notes

Testing was performed with the transmitter operating on a fixed channel at full power following the cases shown on table 8.1-1 from section 8.1.3 of this document. All correction factors corresponding cables losses, receiving antenna gain, and air path losses were compensated to get the real EIRP value of the product. Both polarizations were evaluated, horizontal and vertical (linear polarization per client declaration) and only the worst case (max power) was taken for the testing purposes: horizontal polarization. The duty cycle correction factor was added according to each frequency channel tested. Table 8.3-1 shows the constant duty cycle corresponding to each case.

The equation to calculate the total correction factor corresponding to each frequency tested is given by the following expression as well as the table with the corresponding duty cycle to each case:

$$E.I.R.P = P_r - G_r - 20 \log_{10} \left(\frac{\lambda}{4\pi d} \right)$$

Adding cable losses and duty cycle correction factors (absolute values):

$$E.I.R.P = P_r - G_r - 20 \log_{10} \left(\frac{\lambda}{4\pi d} \right) + L_{cable} + 10 \log_{10} \left(\frac{1}{Duty\ cycle} \right)$$

Where:

P_r = Power received in the spectrum analyzer

λ = Wavelength of the signal

L_{cable} = Losses corresponding to interconnexion cables

d = Measuring distance (10 meters)

G_r = Receiving antenna gain

DC = Duty cycle declared (95%)

8.3.4 Setup details

EUT power input during test	28 VDC
EUT setup configuration	☒ Table-top ☐ Floor standing ☐ Other:

Receiver settings:

Resolution bandwidth	1 MHz
Video bandwidth	3 MHz
Detector mode	RMS
Trace mode	Average (at least 100 traces)
Measurement points	$\geq (2 \times \text{span}) / \text{RBW}$
Span	2 times or 3 times the 99% OBW

8.3.5 Test data

Table 8.3-1: Power results (EIRP)

Frequency	Output power
24.49 GHz	53.92 dBm
24.55 GHz	53.02 dBm
24.61 GHz	53.94 dBm

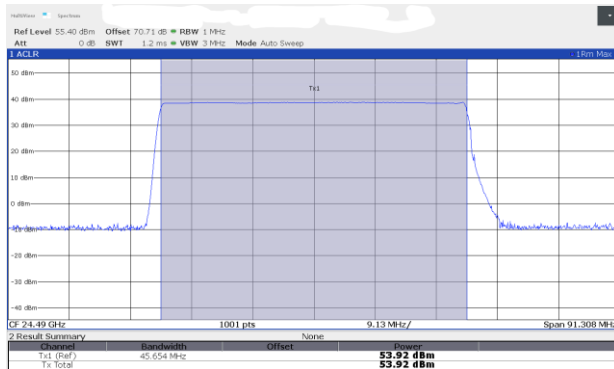


Figure 8.3-1: EIRP Power, Low channel: 24.49 GHz

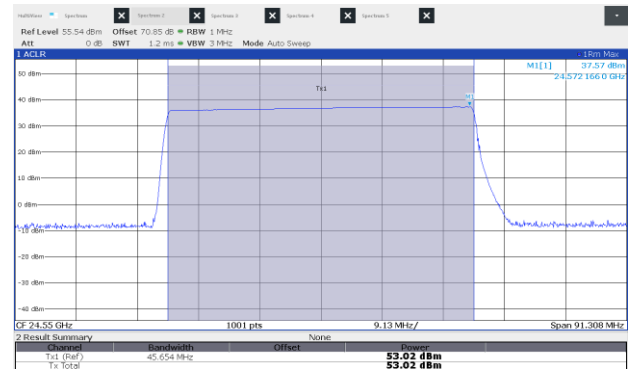


Figure 8.3-2: EIRP Power, Middle channel: 24.55 GHz

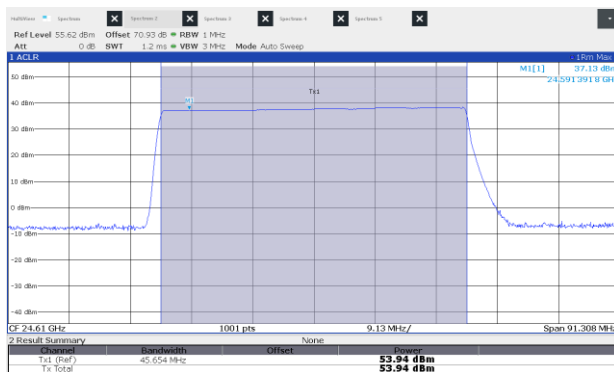


Figure 8.3-3: EIRP Power, High channel: 24.61 GHz

8.4 Emission limitations

8.4.1 References and limits

- FCC 47 CFR Part 87: §87.139
- Test method: ANSI C63.26-2014 (5.5)

(a) Except for ELTs and when using single sideband (R3E, H3E, J3E), or frequency modulation (F9) or digital modulation (F9Y) for telemetry or telecommand in the 1435–1525 MHz, 2345–2395 MHz, or 5091–5150 MHz band or digital modulation (G7D) for differential GPS, the mean power of any emissions must be attenuated below the mean power of the transmitter (pY) as follows:

(1) When the frequency is removed from the assigned frequency by more than 50 percent up to and including 100 percent of the authorized bandwidth the attenuation must be at least 25 dB;

(2) When the frequency is removed from the assigned frequency by more than 100 percent up to and including 250 percent of the authorized bandwidth the attenuation must be at least 35 dB.

(3) When the frequency is removed from the assigned frequency by more than 250 percent of the authorized bandwidth the attenuation for aircraft station transmitters must be at least 40 dB; and the attenuation for aeronautical station transmitters must be at least $43 + 10 \log_{10} pY$ dB.

8.4.2 Test summary

Verdict	Pass		
Test date	April 7, 2026; April 8, 2026; April 9, 2026	Temperature	20°C 19°C; 20°C
Test engineer	Chenhao Ma, Wireless Test Technician	Air pressure	1002mbar 1003mbar; 1001mbar
Test location	☐ Wireless bench ☒ Other: 3M Chamber	Relative humidity	57% 58%; 57%

8.4.3 Notes

Testing was performed with the transmitter operating on a fixed channel at full power following the cases shown on table 8.1-1 from section 8.1.3 of this document. The width of the mask was defined according to the 26 dB bandwidth widest results (one measured bandwidth selected for each declared bandwidth and each pulse width) shown in table 8.2-1 from section 8.2.5 of this document.

The range between the $\pm 250\%$ is a relative limit, therefore, no correction factors were added. For the frequency range beyond $\pm 250\%$ the limit is an absolute value (-13 dBm), which means the corrections factors corresponding to air path losses and interconnection cables were added as an offset in the spectrum analyzer.

8.4.4 Setup details

EUT power input during test	28 V DC
EUT setup configuration	☐ Table-top ☐ Floor standing ☒ Other: Tripod mounted (1.5 m)

Receiver settings:

Resolution bandwidth	1 MHz
Video bandwidth	3 MHz
Detector mode	RMS
Trace mode	Average (at least 100 traces)
Span	Enough to see the spectrum under investigation

8.4.5 Test data

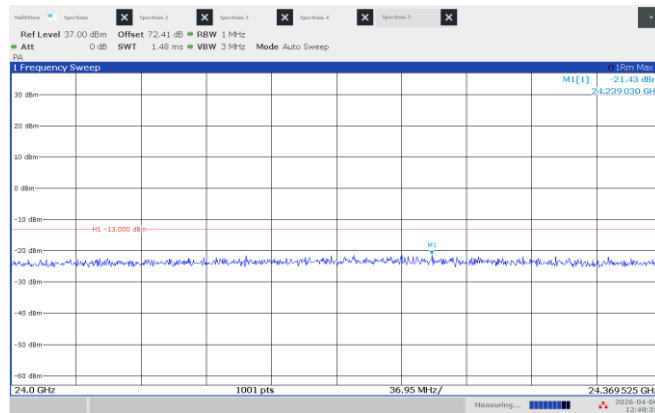


Figure 8.4-1: Emission mask, beyond $\pm 250\%$ of BW (low frequency range), Low channel: 24.49 GHz

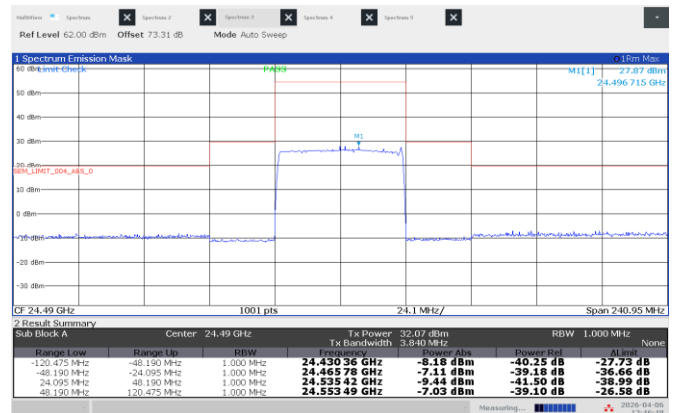


Figure 8.4-2: Emission mask, Low channel: 24.49 GHz

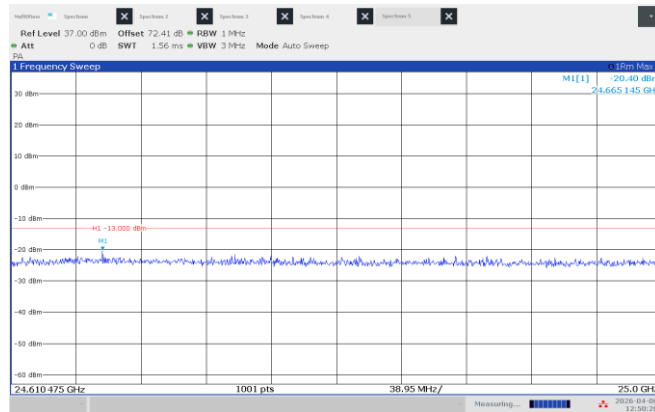


Figure 8.4-3: Emission mask, beyond $\pm 250\%$ of BW (high frequency range), Low channel: 24.49 GHz

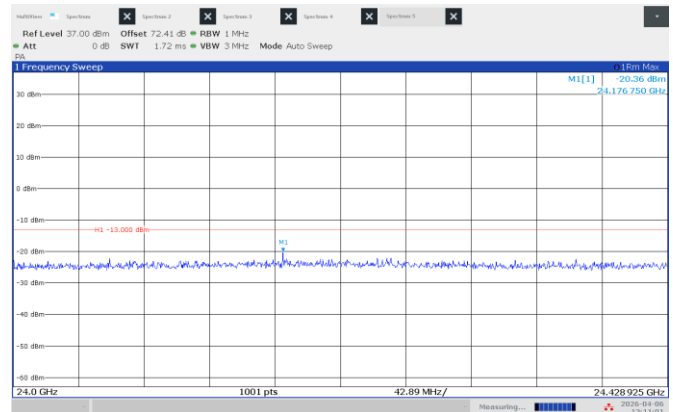


Figure 8.4-4: Emission mask, beyond $\pm 250\%$ of BW (low frequency range), Middle channel: 24.55 GHz



Figure 8.4-5: Emission mask, Middle channel: 24.55 GHz

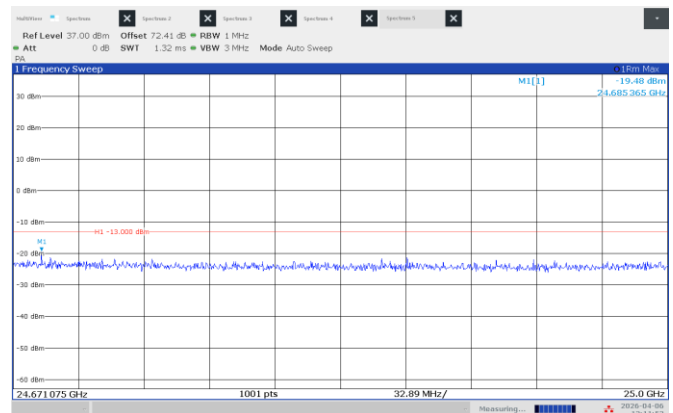


Figure 8.4-6: Emission mask, beyond $\pm 250\%$ of BW (high frequency range), Middle channel: 24.55 GHz

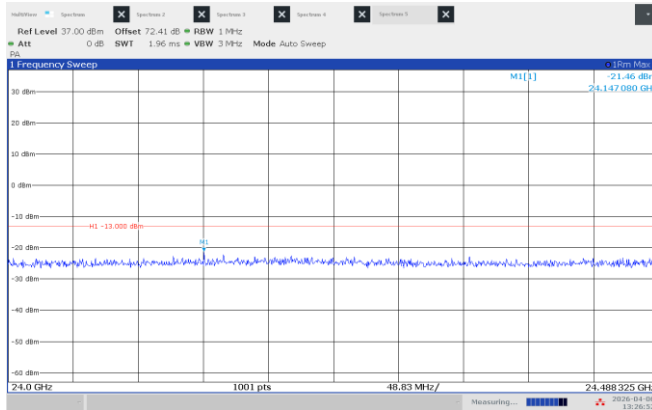


Figure 8.4-7: Emission mask, beyond $\pm 250\%$ of BW (low frequency range), High channel: 24.61 GHz

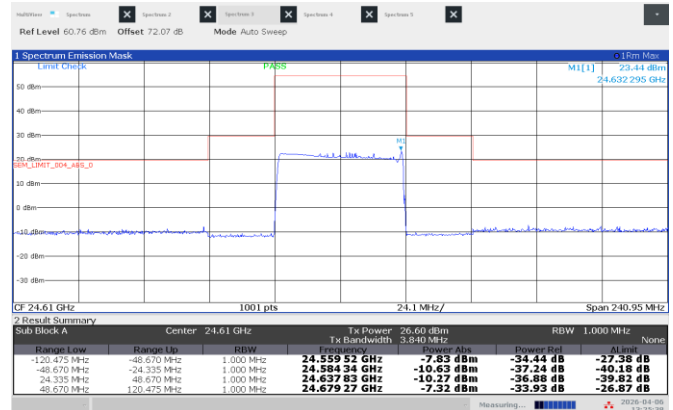


Figure 8.4-8: Emission mask, High channel: 24.61 GHz

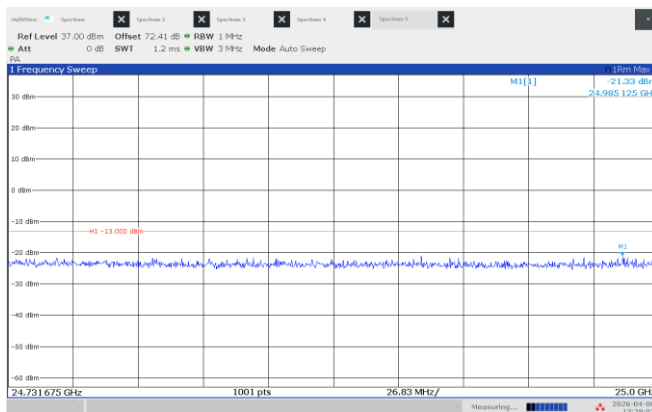


Figure 8.4-9: Emission mask, beyond $\pm 250\%$ of BW (high frequency range), High channel: 24.61 GHz

8.5 Transmitter spurious emissions

8.5.1 References and limits

- FCC 47 CFR Part 87: §87.139
- Test method: ANSI C63.4 (5.5)

(a) Except for ELTs and when using single sideband (R3E, H3E, J3E), or frequency modulation (F9) or digital modulation (F9Y) for telemetry or telecommand in the 1435–1525 MHz, 2345–2395 MHz, or 5091–5150 MHz band or digital modulation (G7D) for differential GPS, the mean power of any emissions must be attenuated below the mean power of the transmitter (pY) as follows:

(3) When the frequency is removed from the assigned frequency by more than 250 percent of the authorized bandwidth the attenuation for aircraft station transmitters must be at least 40 dB; and the attenuation for aeronautical station transmitters must be at least $43 + 10 \log_{10} pY$ dB.

- FCC 47 CFR Part 2: §2.1057

(a) In all of the measurements set forth in §§ 2.1051 and 2.1053, the spectrum shall be investigated from the lowest radio frequency signal generated in the equipment, without going below 9 kHz, up to at least the frequency shown below:

(2) If the equipment operates at or above 10 GHz and below 30 GHz: to the fifth harmonic of the highest fundamental frequency or to 100 GHz, whichever is lower.

8.5.2 Test summary

Verdict	Pass		
Test date	April 7, 2026; April 8, 2026; April 9, 2026	Temperature	20°C; 18°C 20°C
Test engineer	Chenhao Ma, Wireless Test Technician	Air pressure	1002mbar; 1001mbar; 1001mbar
Test location	☐ Wireless bench ☒ Other: 3M Chamber	Relative humidity	59%; 56%; 58%

8.5.3 Notes

Testing was performed with the transmitter operating on a fixed channel at full power. Max power found it in table 8.3-2 was selected as the representative case for this testing (wors case).

Due to the high power emitted by the EUT, several considerations were made to execute accurate testing but avoiding the damage of the receiver system:

- 1) In the range from 18-26.5 GHz one 30 dB attenuator was inserted between the receiving antenna and the power amplifier with the purpose of attenuating the signal and maintaining the linearity of the power amplifier.
- 2) In the range above 26.5 GHz ranges no filters or amplifiers were used. Waveguide antennas provide enough wanted signal attenuation.

Limit is -13 dBm which equates to 84.38 dBμV/m at 3m (below 1 GHz, ERP reference) and 82.23 dBμV/m at 3m (above 1GHz, EIRP reference).

8.5.4 Setup details

EUT power input during test	28 V DC
EUT setup configuration	☒ Table-top (1.5 meters) ☐ Floor standing ☒ Other: Tripod mounted (Below 1 GHz: 80 cm)
Antenna height variation	1–4 m
Turn table position	0–360°
Measurement details	A preview measurement was generated with receiver in continuous scan or sweep mode while the EUT was rotated, and antenna adjusted to maximize radiated emission. Emissions detected within 6 dB or above limit were re-measured with the appropriate detector against the correlating limit and recorded as the final measurement.

Receiver settings (below 1 GHz):

Resolution bandwidth	120 kHz
Video bandwidth	300 kHz
Detector mode	Peak (preview measurements) Quasi-peak (final measurements)
Trace mode	Max Hold
Measurement time	5000 ms (final measurements)

Receiver settings (from 1 -40 GHz):

Resolution bandwidth	1 MHz
Video bandwidth	3 MHz
Detector mode	Peak (preview measurements) Peak and average (final measurements)
Trace mode	Max Hold
Measurement time	5000 ms (final measurements)

Spectrum analyzer settings (above 40 GHz):

Resolution bandwidth	1 MHz
Video bandwidth	3 MHz
Detector mode	Average
Trace mode	Max Hold

8.5.5 Test data

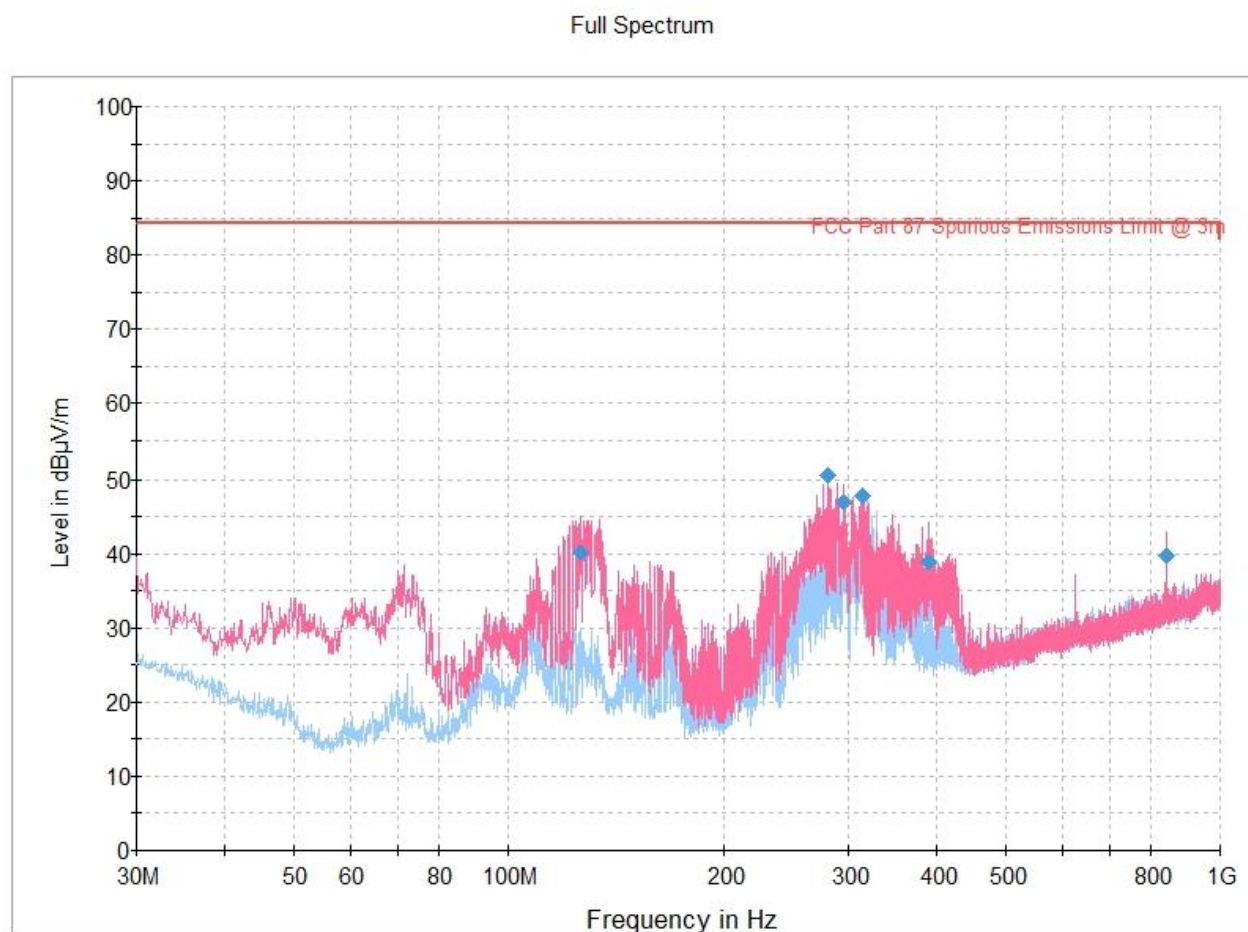


Figure 8.5-1: Radiated emissions spectral plot (30 MHz - 1 GHz) low channel

Table 8.5-1: Radiated emissions results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
126.664000	40.07	84.38	44.31	5000.0	120.000	99.0	V	0.0	19.8
280.009000	50.58	84.38	33.80	5000.0	120.000	99.0	V	63.0	21.6
296.014000	46.98	84.38	37.40	5000.0	120.000	177.0	V	228.0	22.0
313.188000	47.67	84.38	36.71	5000.0	120.000	151.0	V	295.0	22.4
388.901000	38.80	84.38	45.58	5000.0	120.000	105.0	V	176.0	24.9
841.216000	39.76	84.38	44.62	5000.0	120.000	125.0	V	172.0	33.0

Notes:

¹ Field strength (dB V/m) = receiver/spectrum analyzer value (dB V) + correction factor (dB)

² Correction factors = antenna factor ACF (dB) + cable loss (dB)

³ Emissions that were continuously present for a minimum of 1 second and occurred more than once for every 15 seconds observation period were considered valid emissions. The maximum value of valid emissions has been recorded.

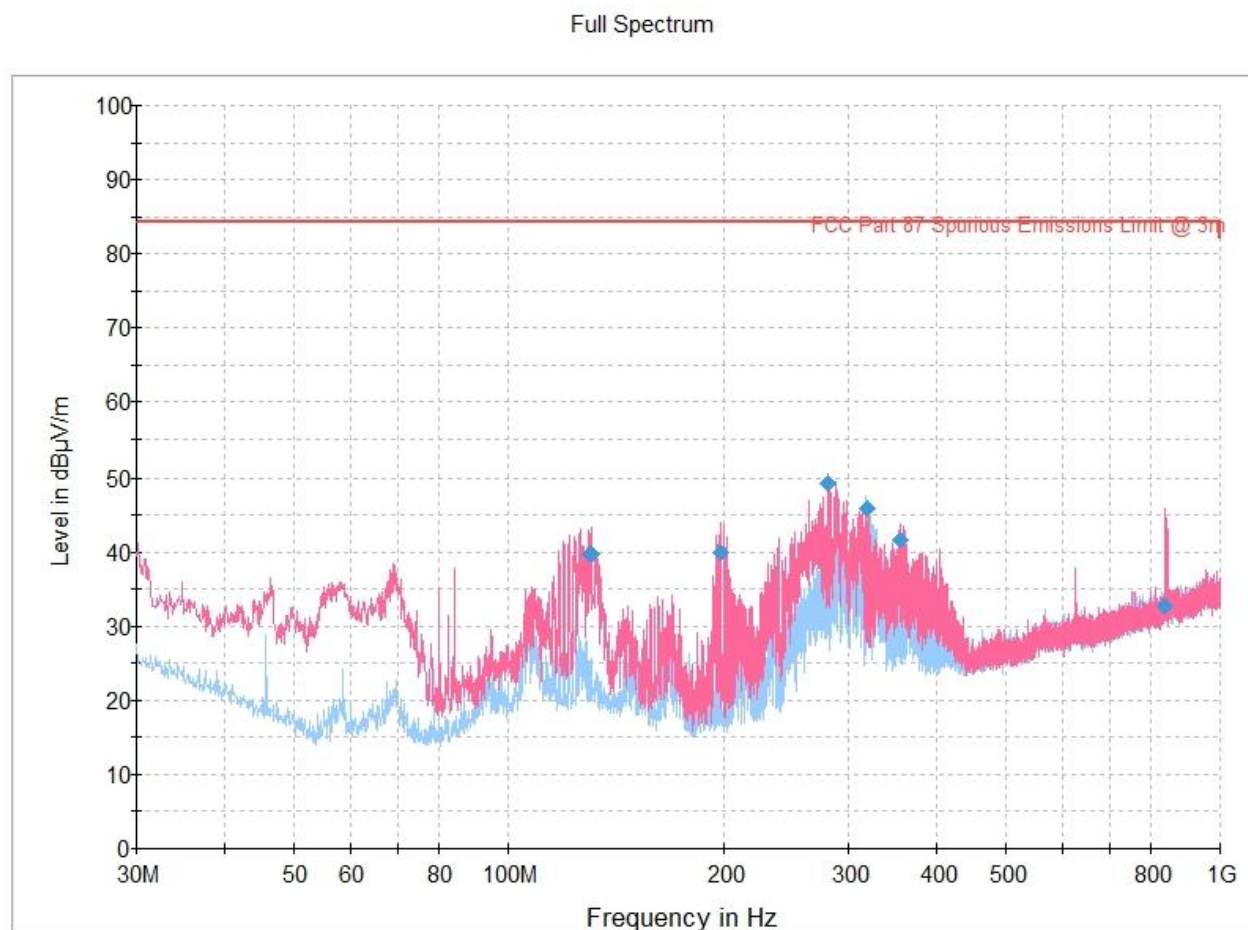


Figure 8.5-2: Radiated emissions spectral plot (30 MHz - 1 GHz) mid channel

Table 8.5-2: Radiated emissions results

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
130.451000	39.72	84.38	44.66	5000.0	120.000	99.0	V	358.0	19.8
197.981000	39.82	84.38	44.56	5000.0	120.000	102.0	V	322.0	17.8
280.009000	49.31	84.38	35.07	5000.0	120.000	99.0	V	53.0	21.6
318.016000	45.81	84.38	38.57	5000.0	120.000	99.0	H	272.0	22.6
354.094000	41.64	84.38	42.74	5000.0	120.000	167.0	V	64.0	24.0
836.194000	32.60	84.38	51.78	5000.0	120.000	211.0	V	228.0	32.8

Notes:

- ¹ Field strength (dB V/m) = receiver/spectrum analyzer value (dB V) + correction factor (dB)
- ² Correction factors = antenna factor ACF (dB) + cable loss (dB)
- ³ Emissions that were continuously present for a minimum of 1 second and occurred more than once for every 15 seconds observation period were considered valid emissions. The maximum value of valid emissions has been recorded.

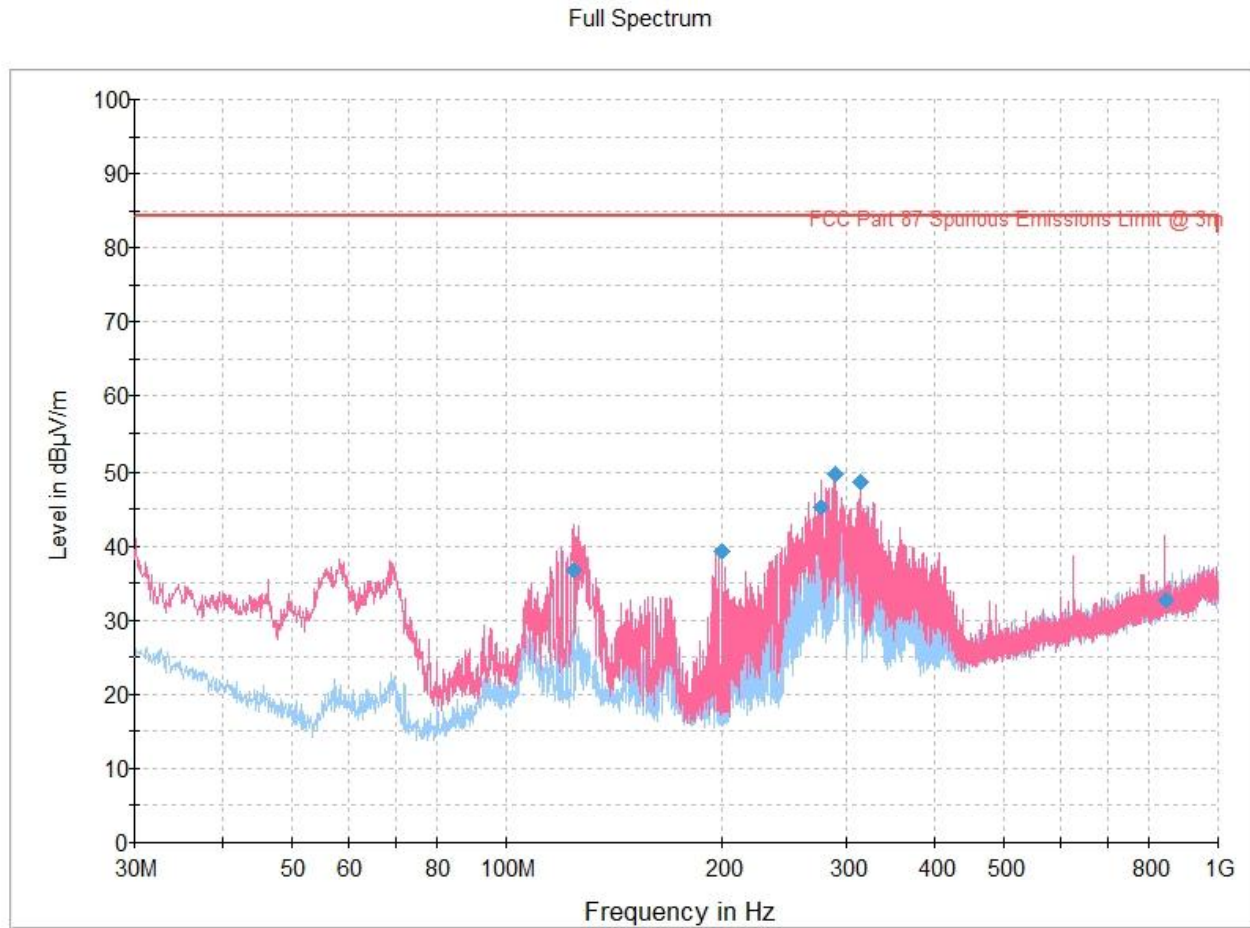


Figure 8.5-3: Radiated emissions spectral plot (30 MHz - 1 GHz) high channel

Table 8.5-3: Radiated emissions results

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
124.478000	36.77	84.38	47.61	5000.0	120.000	108.0	V	0.0	19.7
199.984000	39.31	84.38	45.07	5000.0	120.000	102.0	V	308.0	17.8
275.992000	45.17	84.38	39.21	5000.0	120.000	99.0	V	76.0	21.5
288.899000	49.60	84.38	34.78	5000.0	120.000	159.0	V	216.0	21.8
313.337000	48.52	84.38	35.86	5000.0	120.000	152.0	V	306.0	22.4
842.986000	32.72	84.38	51.66	5000.0	120.000	302.0	V	128.0	33.0

Notes:

- ¹ Field strength (dB V/m) = receiver/spectrum analyzer value (dB V) + correction factor (dB)
- ² Correction factors = antenna factor ACF (dB) + cable loss (dB)
- ³ Emissions that were continuously present for a minimum of 1 second and occurred more than once for every 15 seconds observation period were considered valid emissions. The maximum value of valid emissions has been recorded.

Full Spectrum

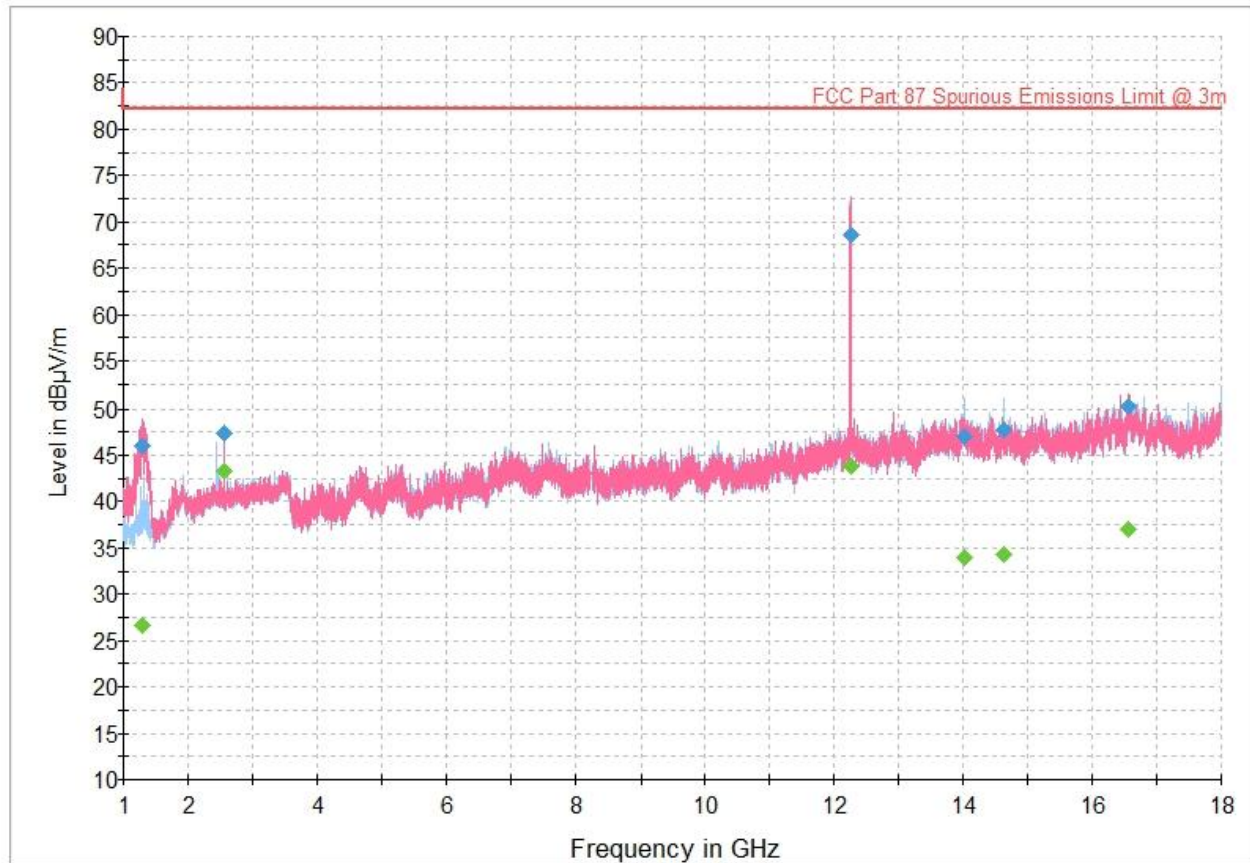


Figure 8.5-4: Radiated emissions spectral plot (1 GHz - 18 GHz) low channel

Table 8.5-4: Radiated emissions results

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1305.100000	46.05	---	82.23	36.18	5000.0	1000.000	157.0	V	336.0	-10.4
1305.100000	---	26.58	82.23	55.65	5000.0	1000.000	157.0	V	336.0	-10.4
2560.077778	47.35	---	82.23	34.88	5000.0	1000.000	110.0	V	0.0	-3.6
2560.077778	---	43.33	82.23	38.90	5000.0	1000.000	110.0	V	0.0	-3.6
12249.855556	68.66	---	82.23	13.57	5000.0	1000.000	188.0	V	326.0	15.9
12249.855556	---	43.80	82.23	38.43	5000.0	1000.000	188.0	V	326.0	15.9
14025.888889	47.02	---	82.23	35.21	5000.0	1000.000	180.0	H	226.0	17.8
14025.888889	---	33.91	82.23	48.32	5000.0	1000.000	180.0	H	226.0	17.8
14626.877778	---	34.26	82.23	47.97	5000.0	1000.000	200.0	H	22.0	17.8
14626.877778	47.68	---	82.23	34.55	5000.0	1000.000	200.0	H	22.0	17.8
16566.266667	---	37.02	82.23	45.21	5000.0	1000.000	322.0	V	118.0	22.7
16566.266667	50.29	---	82.23	31.94	5000.0	1000.000	322.0	V	118.0	22.7

Notes: ¹ Field strength (dB V/m) = receiver/spectrum analyzer value (dB V) + correction factor (dB)

² Correction factors = antenna factor ACF (dB) + cable loss (dB)

³ Emissions that were continuously present for a minimum of 1 second and occurred more than once for every 15 seconds observation period were considered valid emissions. The maximum value of valid emissions has been recorded.

Full Spectrum

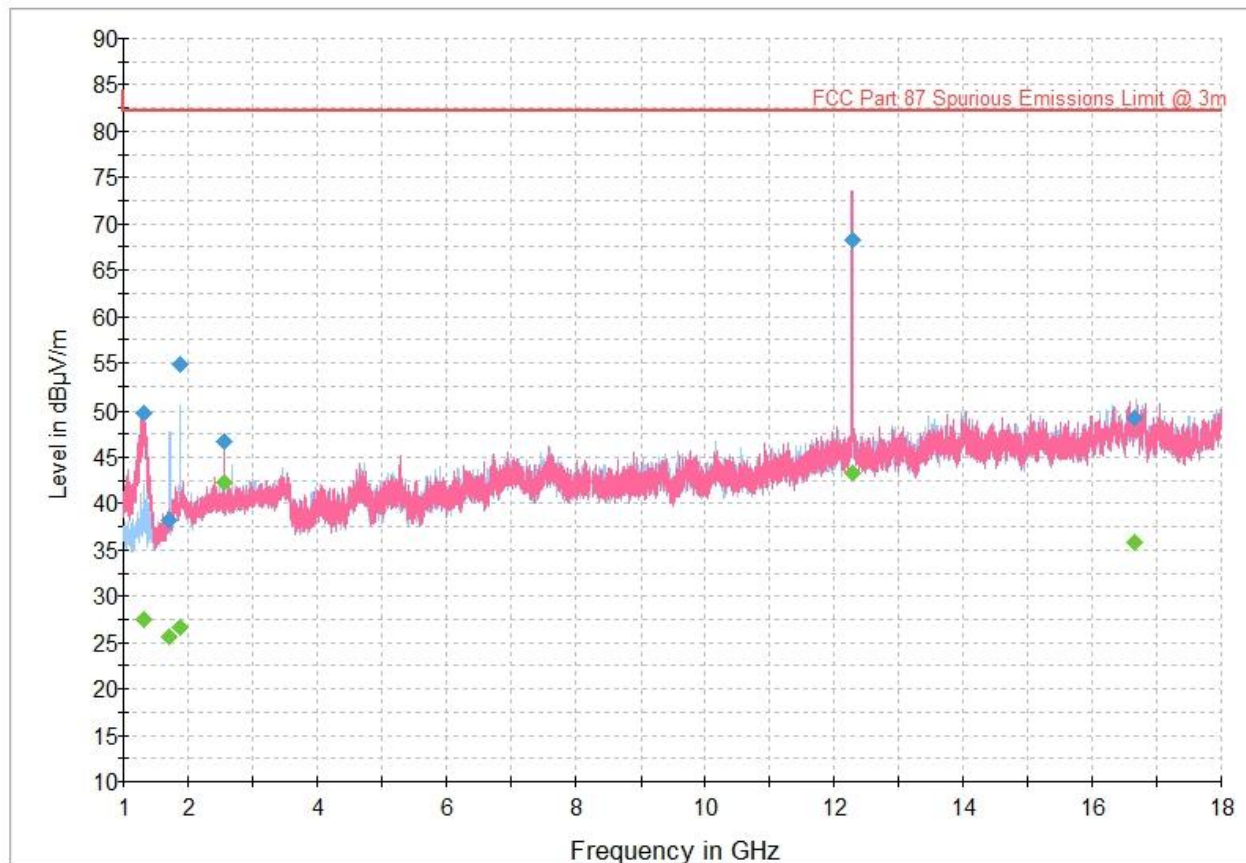


Figure 8.5-5: Radiated emissions spectral plot (1 GHz - 18 GHz) mid channel

Table 8.5-5: Radiated emissions results

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1311.444444	---	27.53	82.23	54.70	5000.0	1000.000	188.0	V	358.0	-10.4
1311.444444	49.76	---	82.23	32.47	5000.0	1000.000	188.0	V	358.0	-10.4
1718.066667	38.25	---	82.23	43.98	5000.0	1000.000	99.0	H	21.0	-8.3
1718.066667	---	25.61	82.23	56.62	5000.0	1000.000	99.0	H	21.0	-8.3
1881.855556	---	26.70	82.23	55.53	5000.0	1000.000	282.0	H	0.0	-5.6
1881.855556	54.86	---	82.23	27.37	5000.0	1000.000	282.0	H	0.0	-5.6
2559.822222	---	42.33	82.23	39.90	5000.0	1000.000	107.0	V	0.0	-3.6
2559.822222	46.75	---	82.23	35.48	5000.0	1000.000	107.0	V	0.0	-3.6
12278.744444	---	43.21	82.23	39.02	5000.0	1000.000	199.0	V	340.0	15.8
12278.744444	68.25	---	82.23	13.98	5000.0	1000.000	199.0	V	340.0	15.8
16667.566667	49.26	---	82.23	32.97	5000.0	1000.000	242.0	H	214.0	23.4
16667.566667	---	35.90	82.23	46.33	5000.0	1000.000	242.0	H	214.0	23.4

Notes: ¹ Field strength (dB V/m) = receiver/spectrum analyzer value (dB V) + correction factor (dB)

² Correction factors = antenna factor ACF (dB) + cable loss (dB)

³ Emissions that were continuously present for a minimum of 1 second and occurred more than once for every 15 seconds observation period were considered valid emissions. The maximum value of valid emissions has been recorded.

Full Spectrum

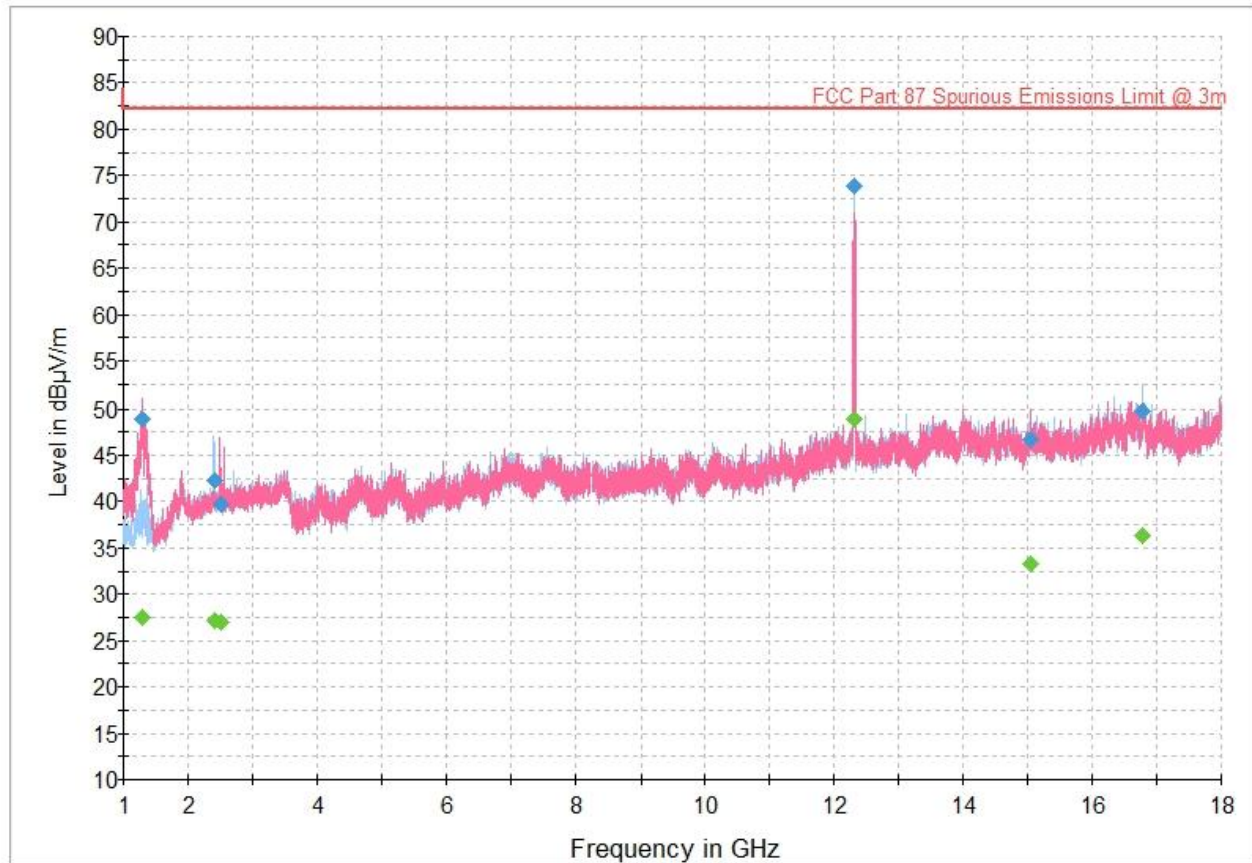


Figure 8.5-6: Radiated emissions spectral plot (1 GHz - 18 GHz) high channel

Table 8.5-6: Radiated emissions results

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1289.144444	48.87	---	82.23	33.36	5000.0	1000.000	99.0	V	0.0	-10.4
1289.144444	---	27.47	82.23	54.76	5000.0	1000.000	99.0	V	0.0	-10.4
2405.588889	42.31	---	82.23	39.92	5000.0	1000.000	313.0	H	85.0	-4.0
2405.588889	---	27.13	82.23	55.10	5000.0	1000.000	313.0	H	85.0	-4.0
2504.466667	---	26.91	82.23	55.32	5000.0	1000.000	313.0	V	0.0	-3.7
2504.466667	39.73	---	82.23	42.50	5000.0	1000.000	313.0	V	0.0	-3.7
12300.822222	---	48.94	82.23	33.29	5000.0	1000.000	99.0	H	292.0	15.5
12300.822222	73.87	---	82.23	8.36	5000.0	1000.000	99.0	H	292.0	15.5
15045.600000	---	33.23	82.23	49.00	5000.0	1000.000	254.0	V	143.0	18.4
15045.600000	46.76	---	82.23	35.47	5000.0	1000.000	254.0	V	143.0	18.4
16777.011111	---	36.28	82.23	45.95	5000.0	1000.000	285.0	H	352.0	23.2
16777.011111	49.82	---	82.23	32.41	5000.0	1000.000	285.0	H	352.0	23.2

Notes: ¹ Field strength (dB V/m) = receiver/spectrum analyzer value (dB V) + correction factor (dB)

² Correction factors = antenna factor ACF (dB) + cable loss (dB)

³ Emissions that were continuously present for a minimum of 1 second and occurred more than once for every 15 seconds observation period were considered valid emissions. The maximum value of valid emissions has been recorded.

Full Spectrum

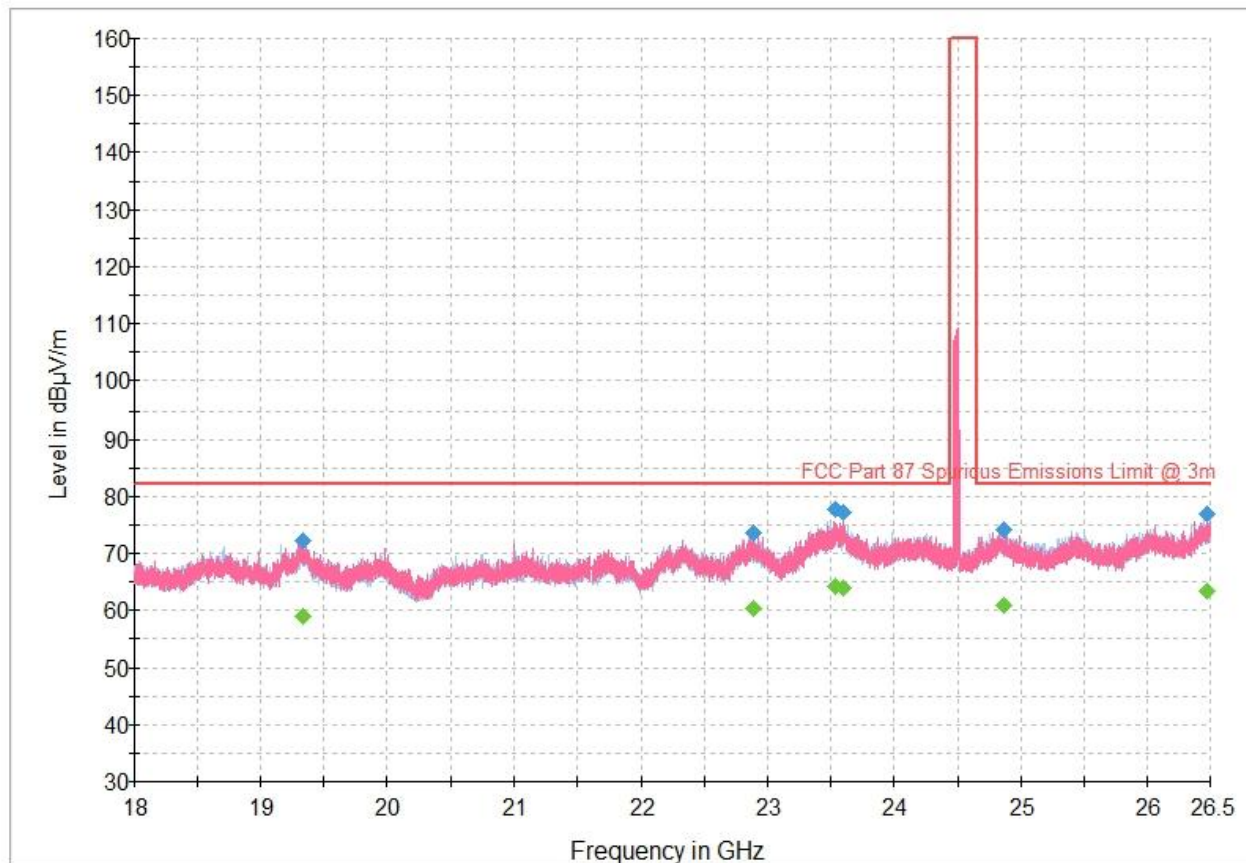


Figure 8.5-7: Radiated emissions spectral plot (18 GHz - 26.5 GHz) low channel

Table 8.5-7: Radiated emissions results

Frequency (MHz)	MaxPeak (dBμV/m)	CAverage (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
19327.368750	72.16	---	82.23	10.07	5000.0	1000.000	390.0	H	120.0	44.8
19327.368750	---	58.99	82.23	23.24	5000.0	1000.000	390.0	H	120.0	44.8
22891.643750	---	60.45	82.23	21.78	5000.0	1000.000	401.0	H	278.0	49.1
22891.643750	73.73	---	82.23	8.50	5000.0	1000.000	401.0	H	278.0	49.1
23534.643750	77.74	---	82.23	4.49	5000.0	1000.000	99.0	V	0.0	52.9
23534.643750	---	64.12	82.23	18.11	5000.0	1000.000	99.0	V	0.0	52.9
23595.937500	---	64.08	82.23	18.15	5000.0	1000.000	99.0	V	22.0	53.1
23595.937500	77.18	---	82.23	5.05	5000.0	1000.000	99.0	V	22.0	53.1
24868.162500	---	60.85	82.23	21.38	5000.0	1000.000	266.0	H	258.0	51.0
24868.162500	74.14	---	82.23	8.09	5000.0	1000.000	266.0	H	258.0	51.0
26469.237500	---	63.48	82.23	18.75	5000.0	1000.000	222.0	V	315.0	54.3
26469.237500	77.04	---	82.23	5.19	5000.0	1000.000	222.0	V	315.0	54.3

Notes: ¹ Field strength (dB V/m) = receiver/spectrum analyzer value (dB V) + correction factor (dB)

² Correction factors = antenna factor ACF (dB) + cable loss (dB)

³ Emissions that were continuously present for a minimum of 1 second and occurred more than once for every 15 seconds observation period were considered valid emissions. The maximum value of valid emissions has been recorded.

Full Spectrum

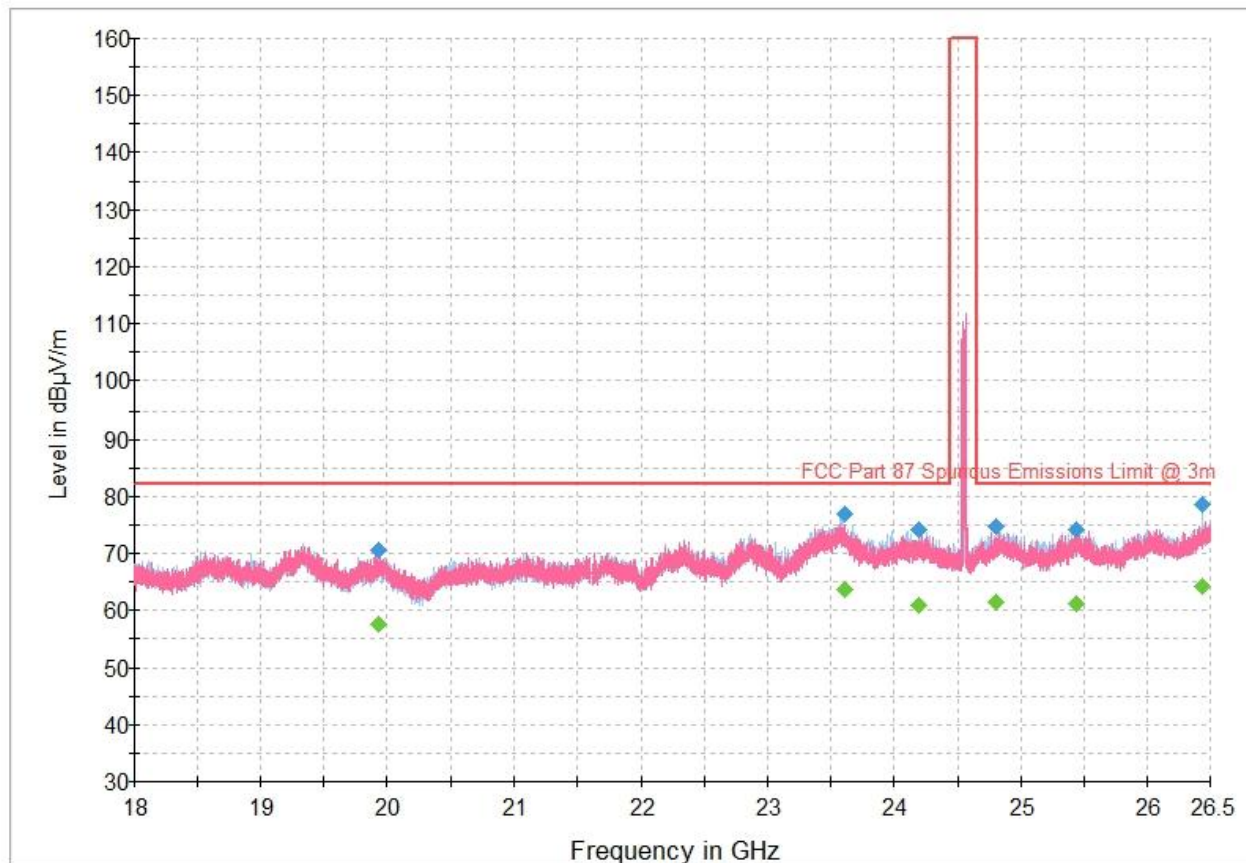


Figure 8.5-8: Radiated emissions spectral plot (18 GHz - 26.5 GHz) mid channel

Table 8.5-8: Radiated emissions results

Frequency (MHz)	MaxPeak (dBμV/m)	CAverage (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
19937.981250	---	57.70	82.23	24.53	5000.0	1000.000	380.0	V	294.0	43.9
19937.981250	70.64	---	82.23	11.59	5000.0	1000.000	380.0	V	294.0	43.9
23612.168750	---	63.62	82.23	18.61	5000.0	1000.000	99.0	V	280.0	53.0
23612.168750	77.00	---	82.23	5.23	5000.0	1000.000	99.0	V	280.0	53.0
24200.331250	74.26	---	82.23	7.97	5000.0	1000.000	254.0	H	146.0	51.1
24200.331250	---	61.00	82.23	21.23	5000.0	1000.000	254.0	H	146.0	51.1
24804.118750	---	61.33	82.23	20.90	5000.0	1000.000	181.0	H	0.0	50.9
24804.118750	74.72	---	82.23	7.51	5000.0	1000.000	181.0	H	0.0	50.9
25434.437500	---	61.16	82.23	21.07	5000.0	1000.000	178.0	V	22.0	50.9
25434.437500	74.11	---	82.23	8.12	5000.0	1000.000	178.0	V	22.0	50.9
26440.793750	78.52	---	82.23	3.71	5000.0	1000.000	401.0	H	261.0	54.0
26440.793750	---	64.12	82.23	18.11	5000.0	1000.000	401.0	H	261.0	54.0

Notes: ¹ Field strength (dB V/m) = receiver/spectrum analyzer value (dB V) + correction factor (dB)

² Correction factors = antenna factor ACF (dB) + cable loss (dB)

³ Emissions that were continuously present for a minimum of 1 second and occurred more than once for every 15 seconds observation period were considered valid emissions. The maximum value of valid emissions has been recorded.

Full Spectrum

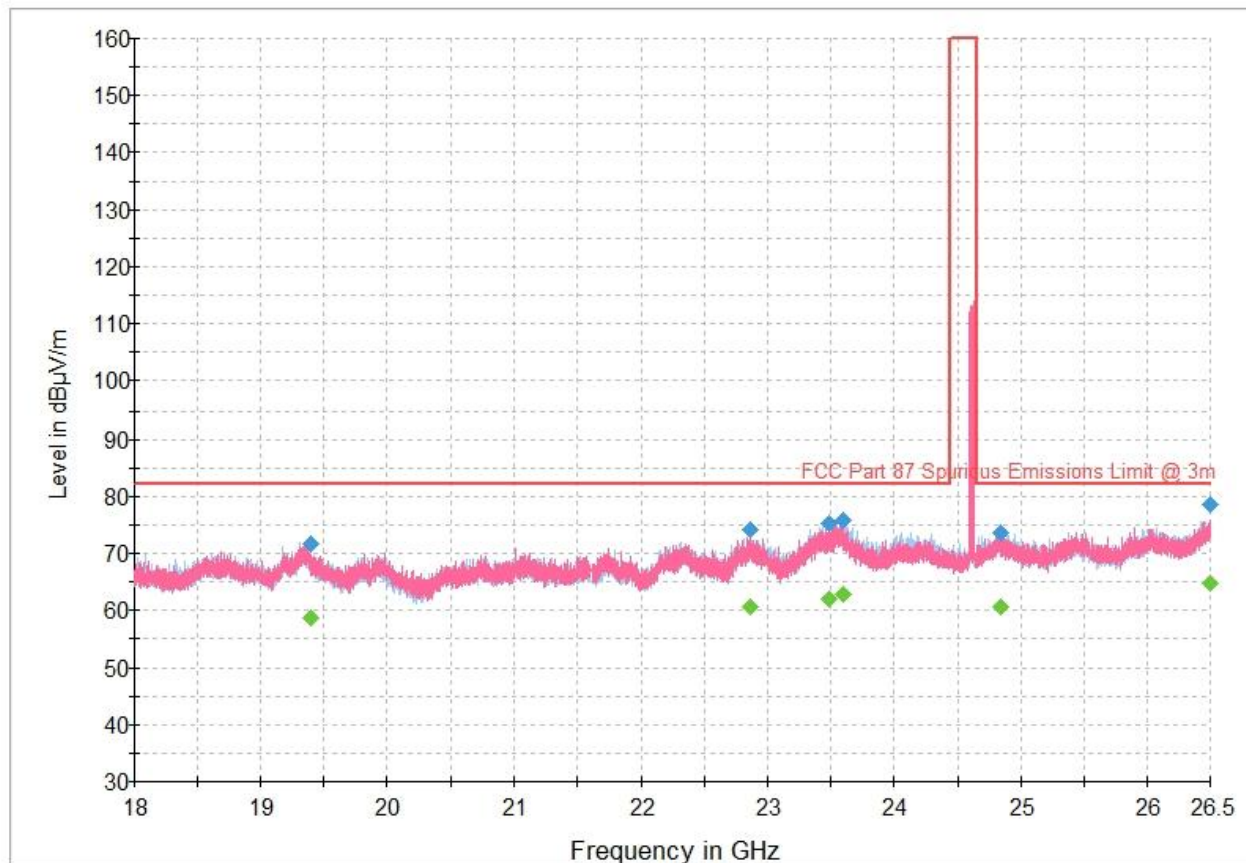


Figure 8.5-9: Radiated emissions spectral plot (18 GHz - 26.5 GHz) high channel

Table 8.5-9: Radiated emissions results

Frequency (MHz)	MaxPeak (dBμV/m)	CAverage (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
19390.025000	71.68	---	82.23	10.55	5000.0	1000.000	201.0	H	291.0	44.4
19390.025000	---	58.62	82.23	23.61	5000.0	1000.000	201.0	H	291.0	44.4
22862.418750	74.28	---	82.23	7.95	5000.0	1000.000	389.0	H	108.0	49.2
22862.418750	---	60.76	82.23	21.47	5000.0	1000.000	389.0	H	108.0	49.2
23483.875000	---	62.12	82.23	20.11	5000.0	1000.000	392.0	H	317.0	52.6
23483.875000	75.16	---	82.23	7.07	5000.0	1000.000	392.0	H	317.0	52.6
23601.662500	---	62.81	82.23	19.42	5000.0	1000.000	139.0	H	289.0	53.1
23601.662500	75.82	---	82.23	6.41	5000.0	1000.000	139.0	H	289.0	53.1
24845.337500	73.67	---	82.23	8.56	5000.0	1000.000	297.0	V	232.0	51.0
24845.337500	---	60.65	82.23	21.58	5000.0	1000.000	297.0	V	232.0	51.0
26494.643750	78.57	---	82.23	3.66	5000.0	1000.000	99.0	V	181.0	54.6
26494.643750	---	64.90	82.23	17.33	5000.0	1000.000	99.0	V	181.0	54.6

Notes: ¹ Field strength (dB V/m) = receiver/spectrum analyzer value (dB V) + correction factor (dB)

² Correction factors = antenna factor ACF (dB) + cable loss (dB)

³ Emissions that were continuously present for a minimum of 1 second and occurred more than once for every 15 seconds observation period were considered valid emissions. The maximum value of valid emissions has been recorded.

Full Spectrum

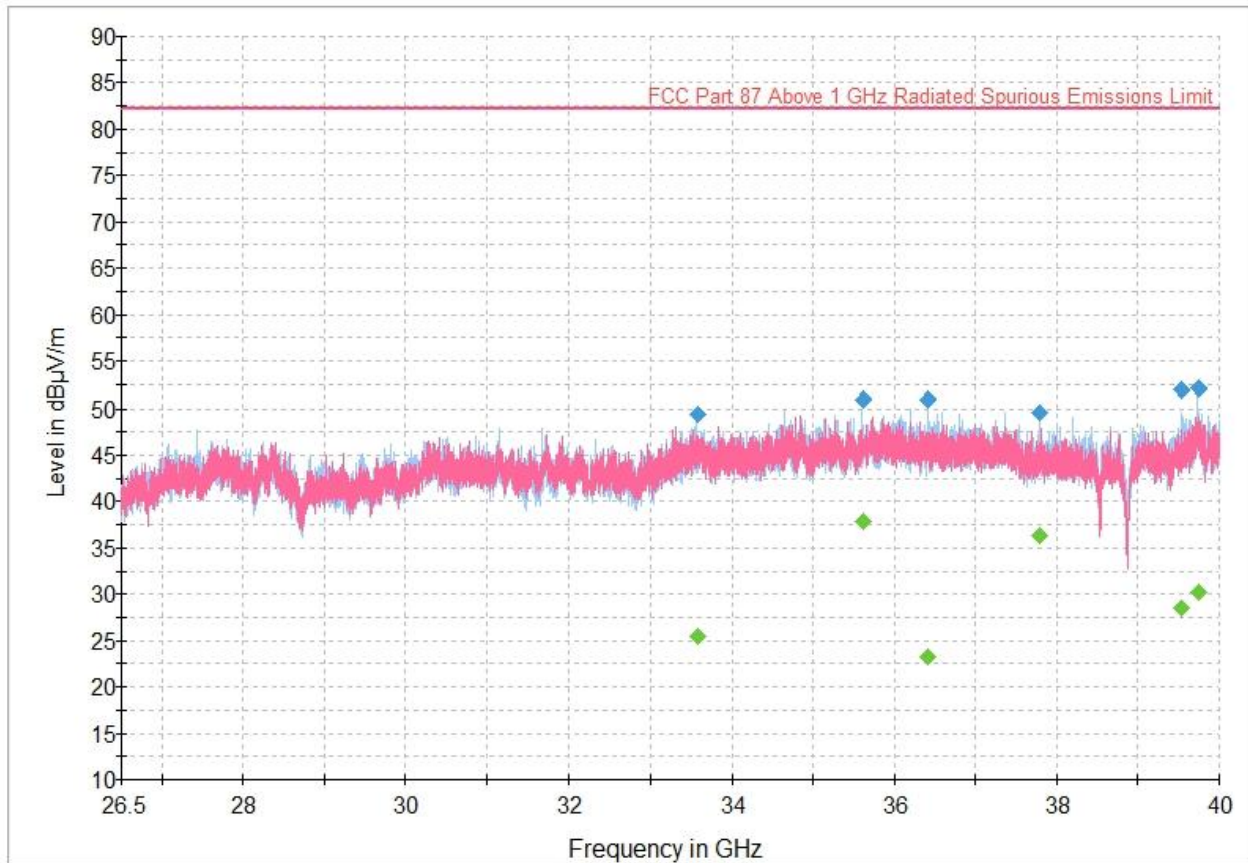


Figure 8.5-10: Radiated emissions spectral plot (26.5 GHz - 40 GHz) low channel

Table 8.5-10: Radiated emissions results

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
33571.318750	49.49	---	82.23	32.74	5000.0	1000.000	190.0	H	312.0	8.9
33571.318750	---	25.54	82.23	56.69	5000.0	1000.000	190.0	H	312.0	8.9
35609.575000	---	37.93	82.23	44.30	5000.0	1000.000	113.0	H	258.0	10.2
35609.575000	50.94	---	82.23	31.29	5000.0	1000.000	113.0	H	258.0	10.2
36411.193750	50.92	---	82.23	31.31	5000.0	1000.000	138.0	H	11.0	10.5
36411.193750	---	23.16	82.23	59.07	5000.0	1000.000	138.0	H	11.0	10.5
37794.931250	---	36.40	82.23	45.83	5000.0	1000.000	99.0	H	330.0	9.5
37794.931250	49.61	---	82.23	32.62	5000.0	1000.000	99.0	H	330.0	9.5
39543.731250	---	28.50	82.23	53.73	5000.0	1000.000	104.0	H	69.0	10.8
39543.731250	51.96	---	82.23	30.27	5000.0	1000.000	104.0	H	69.0	10.8
39739.750000	---	30.19	82.23	52.04	5000.0	1000.000	106.0	H	354.0	11.6
39739.750000	52.18	---	82.23	30.05	5000.0	1000.000	106.0	H	354.0	11.6

Notes: ¹ Field strength (dB V/m) = receiver/spectrum analyzer value (dB V) + correction factor (dB)

² Correction factors = antenna factor ACF (dB) + cable loss (dB)

³ Emissions that were continuously present for a minimum of 1 second and occurred more than once for every 15 seconds observation period were considered valid emissions. The maximum value of valid emissions has been recorded.

Full Spectrum

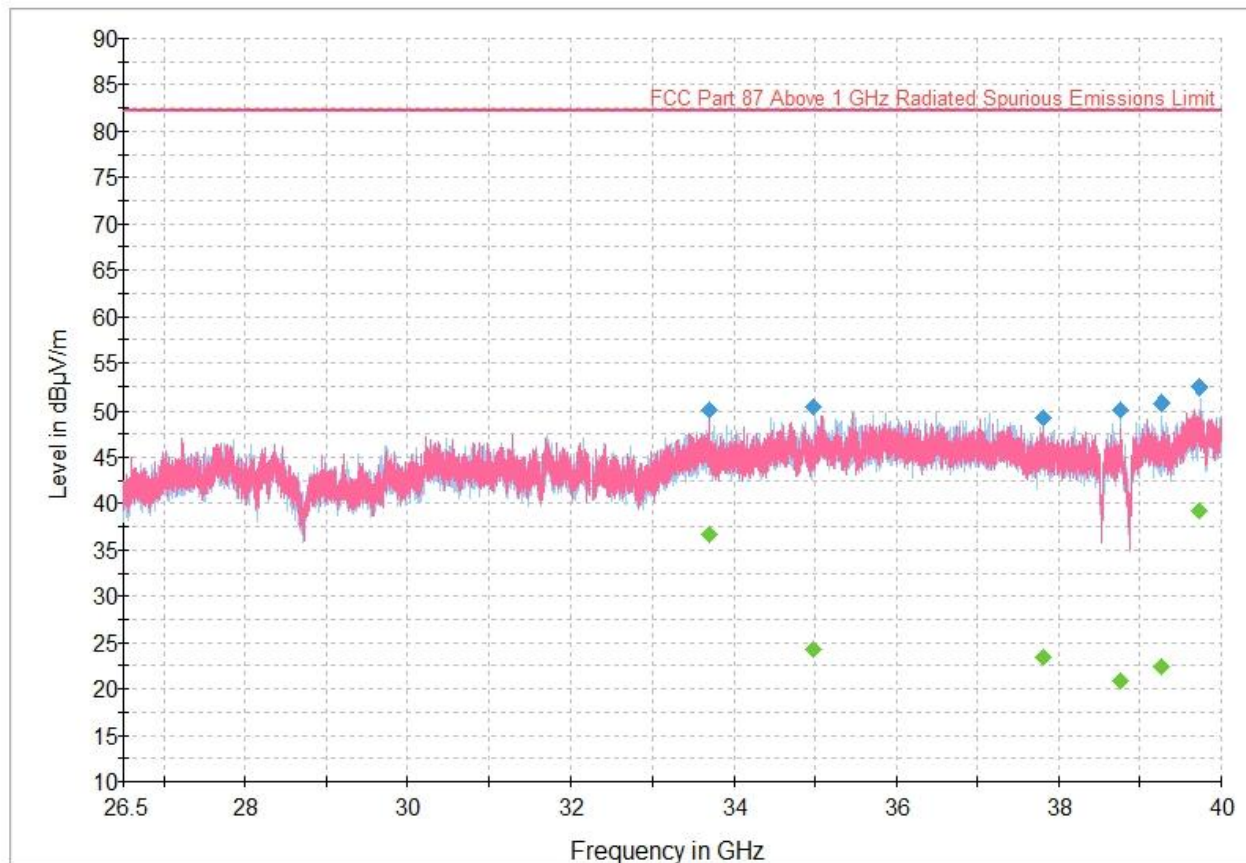


Figure 8.5-11: Radiated emissions spectral plot (26.5 GHz - 40 GHz) mid channel

Table 8.5-11: Radiated emissions results

Frequency (MHz)	MaxPeak (dBμV/m)	CAverage (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
33697.468750	---	36.64	82.23	45.59	5000.0	1000.000	175.0	V	169.0	9.1
33697.468750	50.02	---	82.23	32.21	5000.0	1000.000	175.0	V	169.0	9.1
34981.918750	---	24.25	82.23	57.98	5000.0	1000.000	105.0	H	11.0	9.5
34981.918750	50.44	---	82.23	31.79	5000.0	1000.000	105.0	H	11.0	9.5
37802.050000	49.30	---	82.23	32.93	5000.0	1000.000	119.0	H	34.0	9.5
37802.050000	---	23.37	82.23	58.86	5000.0	1000.000	119.0	H	34.0	9.5
38761.318750	50.11	---	82.23	32.12	5000.0	1000.000	181.0	H	4.0	9.9
38761.318750	---	20.81	82.23	61.42	5000.0	1000.000	181.0	H	4.0	9.9
39268.206250	50.81	---	82.23	31.42	5000.0	1000.000	139.0	H	0.0	10.7
39268.206250	---	22.36	82.23	59.87	5000.0	1000.000	139.0	H	0.0	10.7
39737.968750	52.44	---	82.23	29.79	5000.0	1000.000	145.0	H	174.0	11.6
39737.968750	---	39.21	82.23	43.02	5000.0	1000.000	145.0	H	174.0	11.6

Notes: ¹ Field strength (dB V/m) = receiver/spectrum analyzer value (dB V) + correction factor (dB)

² Correction factors = antenna factor ACF (dB) + cable loss (dB)

³ Emissions that were continuously present for a minimum of 1 second and occurred more than once for every 15 seconds observation period were considered valid emissions. The maximum value of valid emissions has been recorded.

Full Spectrum

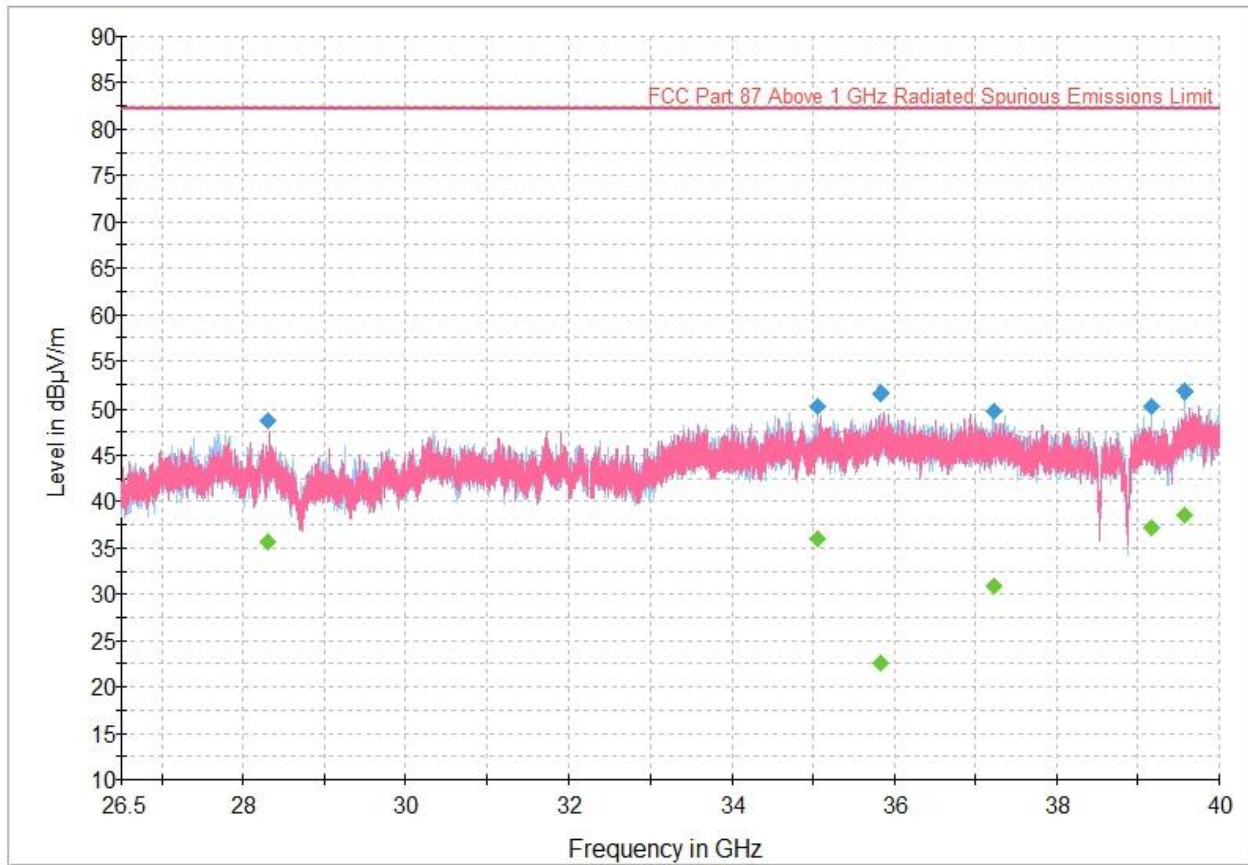


Figure 8.5-12: Radiated emissions spectral plot (26.5 GHz - 40 GHz) high channel

Table 8.5-12: Radiated emissions results

Frequency (MHz)	MaxPeak (dBμV/m)	CAverage (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
28313.425000	---	35.64	82.23	46.59	5000.0	1000.000	165.0	V	190.0	8.1
28313.425000	48.68	---	82.23	33.55	5000.0	1000.000	165.0	V	190.0	8.1
35052.643750	---	35.95	82.23	46.28	5000.0	1000.000	167.0	H	166.0	9.4
35052.643750	50.28	---	82.23	31.95	5000.0	1000.000	167.0	H	166.0	9.4
35826.962500	51.56	---	82.23	30.67	5000.0	1000.000	209.0	H	4.0	10.7
35826.962500	---	22.55	82.23	59.68	5000.0	1000.000	209.0	H	4.0	10.7
37230.325000	---	30.90	82.23	51.33	5000.0	1000.000	182.0	H	258.0	10.7
37230.325000	49.68	---	82.23	32.55	5000.0	1000.000	182.0	H	258.0	10.7
39160.506250	---	37.26	82.23	44.97	5000.0	1000.000	100.0	H	238.0	10.7
39160.506250	50.27	---	82.23	31.96	5000.0	1000.000	100.0	H	238.0	10.7
39575.293750	51.82	---	82.23	30.41	5000.0	1000.000	142.0	H	175.0	10.9
39575.293750	---	38.49	82.23	43.74	5000.0	1000.000	142.0	H	175.0	10.9

Notes: ¹ Field strength (dB V/m) = receiver/spectrum analyzer value (dB V) + correction factor (dB)

² Correction factors = antenna factor ACF (dB) + cable loss (dB)

³ Emissions that were continuously present for a minimum of 1 second and occurred more than once for every 15 seconds observation period were considered valid emissions. The maximum value of valid emissions has been recorded.

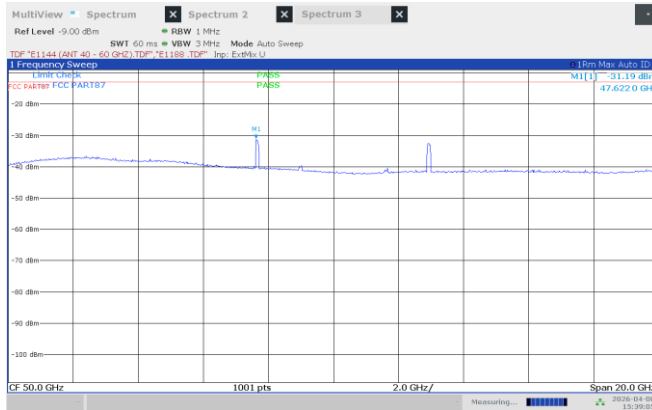


Figure 8.5-13: 40-50 GHz low channel Horizontal



Figure 8.5-14: 40-50 GHz low channel Vertical



Figure 8.5-15: 40-50 GHz mid channel Horizontal

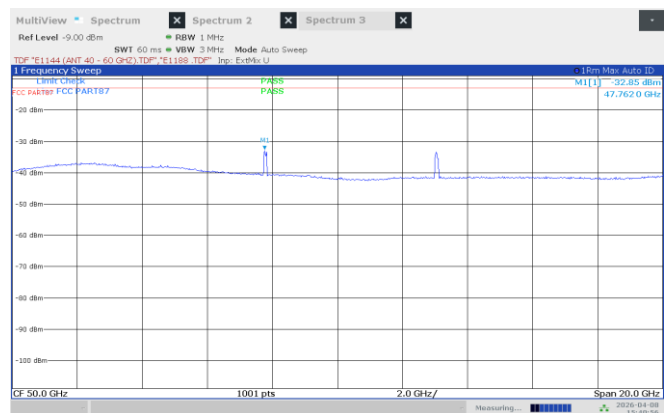


Figure 8.5-16: 40-50 GHz mid channel Vertical



Figure 8.5-17: 40-50 GHz high channel Horizontal



Figure 8.5-18: 40-50 GHz high channel Vertical

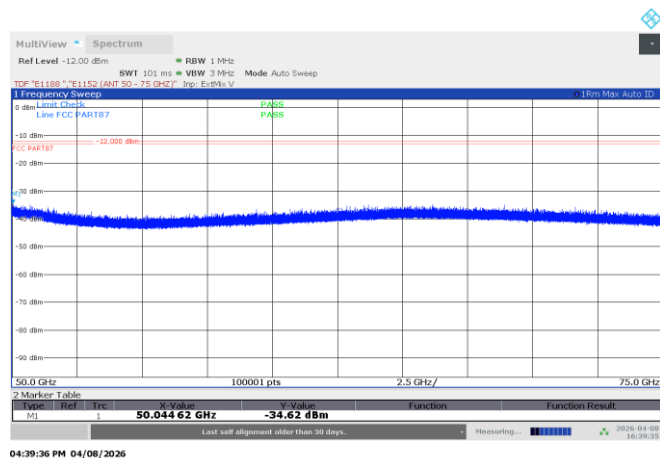


Figure 8.5-19: 50-75 GHz low channel Horizontal

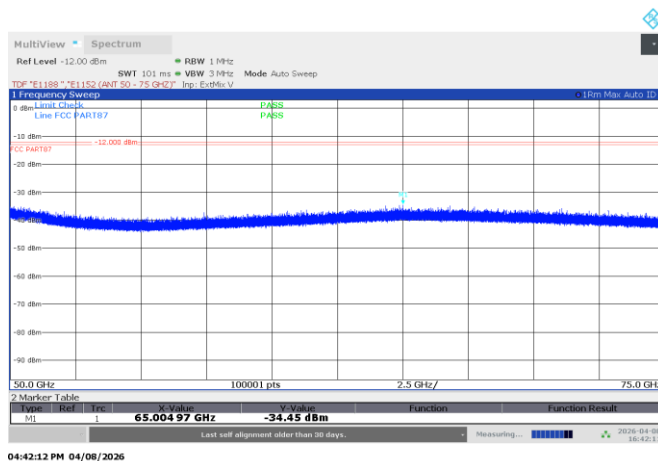


Figure 8.5-20: 50-75 GHz low channel Vertical

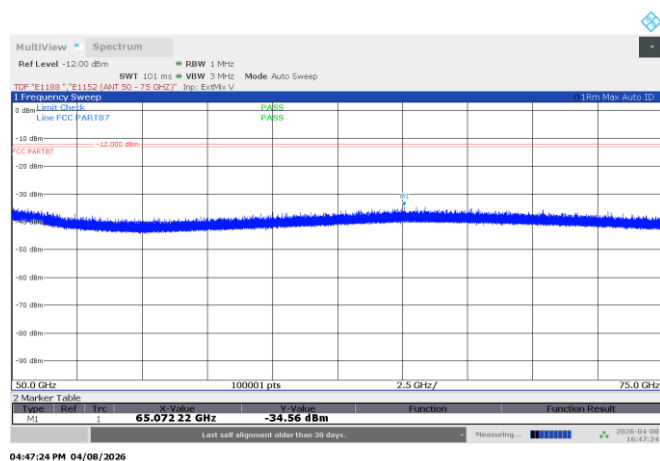


Figure 8.5-21: 50-75 GHz mid channel Horizontal

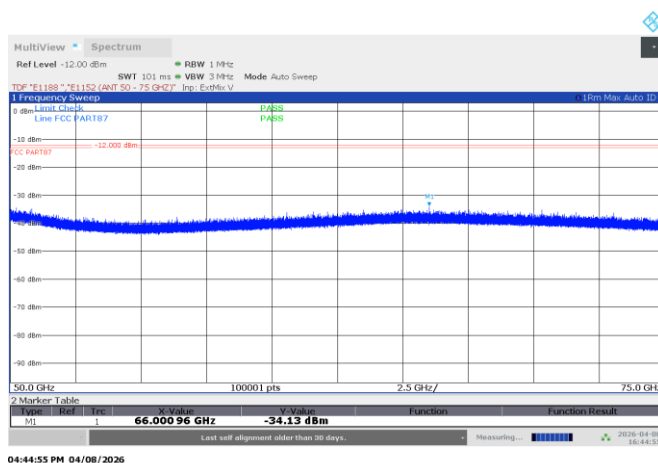


Figure 8.5-22: 50-75 GHz mid channel Vertical

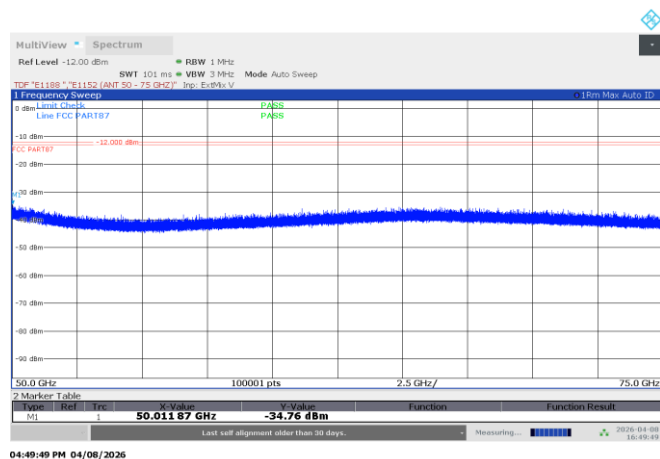


Figure 8.5-23: 50-75 GHz high channel Horizontal

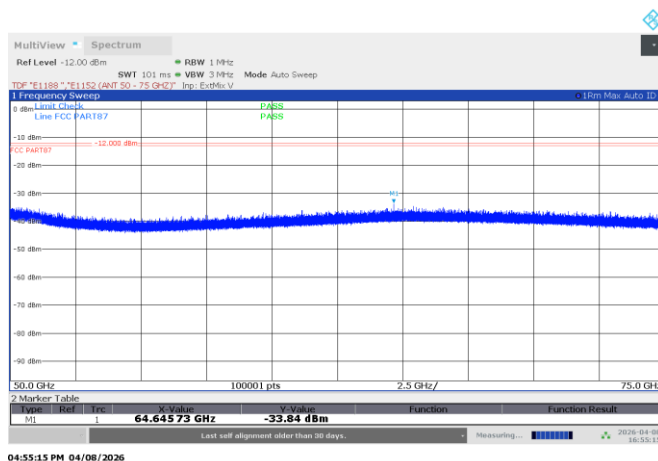


Figure 8.5-24: 50-75 GHz high channel Vertical

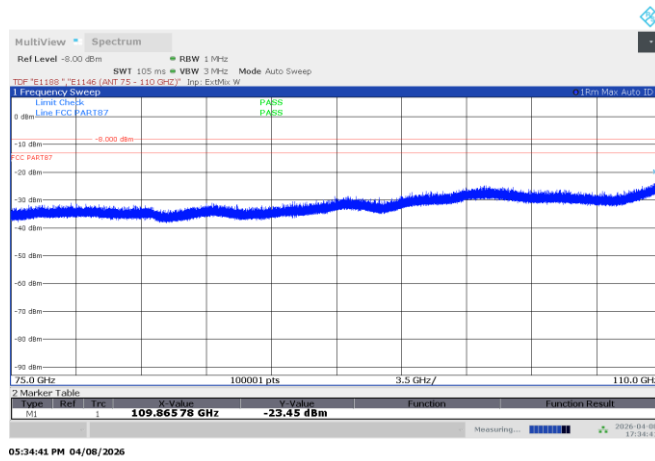


Figure 8.5-25: 75-110 GHz low channel Horizontal

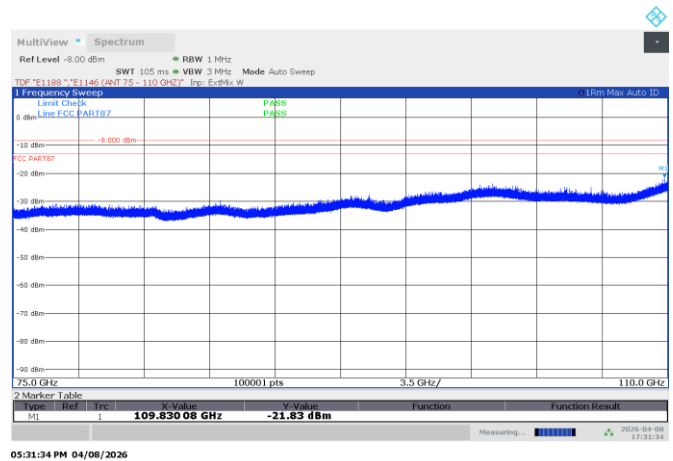


Figure 8.5-26: 75-110 GHz low channel Vertical

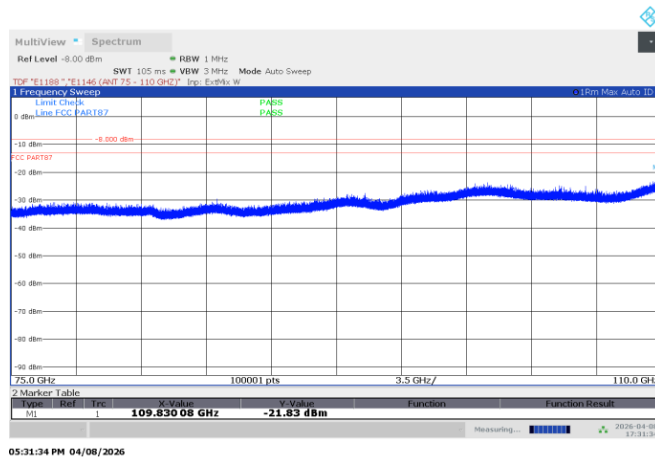


Figure 8.5-27: 75-110 GHz mid channel Horizontal

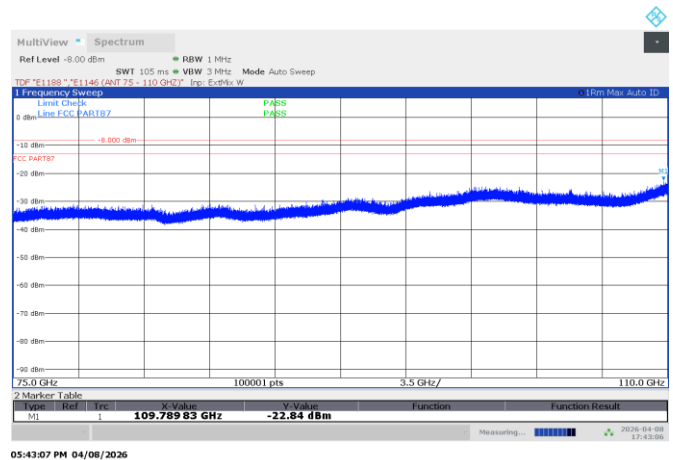


Figure 8.5-28: 75-110 GHz mid channel Vertical

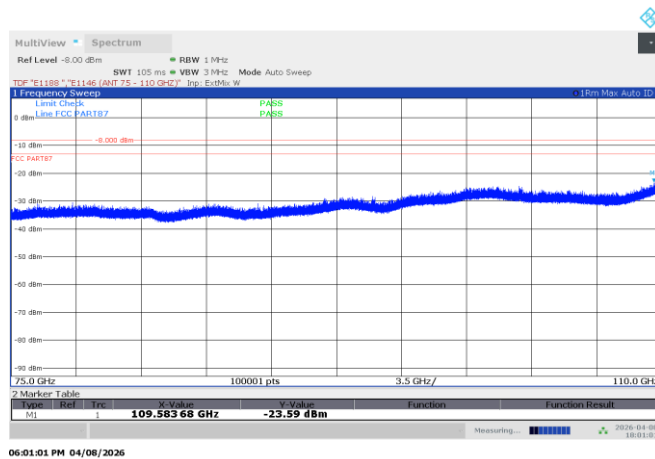


Figure 8.5-29: 75-110 GHz high channel Horizontal

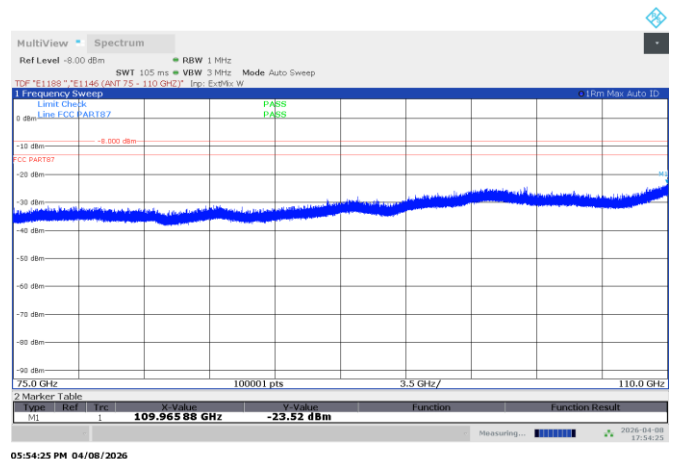


Figure 8.5-30: 75-110 GHz high channel Vertical

Section 9 Attestation letter



12112 115th Ave NE, Suite A, Kirkland, WA 98034

EchoGuard CR Similarity Attestation

FCC ID: 2ANLB-MESASSR00053

This letter is to attest that the EchoGuard CR, part number 700-0005-203-210 is identical to EchoGuard, part number 700-0005-203-200 except for the power setting in software to reduce the output power and subsequently the input power required. The Bill of Materials for the two products are identical except for the software and product label.

This was also confirmed in the original FCC C2PC filing to add this variant under the same FCC ID.

This attestation is provided in support of certification and compliance activities. To the best of my knowledge, the information provided herein is accurate. Should you have any further questions on this, please do not hesitate to contact me.

Sincerely



Colin Wilson

Sr. Regulatory Compliance Engineer

o: +1-425-454-3246

[Echodyne](#) | Kirkland, WA

End of test report