

TEST REPORT

Report Number: R16435134-E1

Applicant : Resideo USA LLC
2 Corporate Center Dr.
Melville, NY 11747 USA

Model : PROSIXMED

FCC ID : CFS8DLPRO6MED

IC : 573F-PRO6MED

EUT Description : Personal Medical Alert Transmitter

Test Standard(s) : FCC 47 CFR PART 15 SUBPART C
ISED RSS-247 ISSUE 4
ISED RSS-Gen ISSUE 6

Date Of Issue:
2026-09-22

Prepared by:
UL LLC
12 Laboratory Dr.
Durham, NC 27713 U.S.A.
TEL: (919) 549-1400



REPORT REVISION HISTORY

Rev.	Issue Date	Revisions	Revised By
V1	2026-09-14	Initial Issue	M. Antola
V2	2026-09-22	Misc. editorial updates	M. Antola

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1. ATTESTATION OF TEST RESULTS

COMPANY NAME: Resideo USA LLC
2 Corporate Center Dr.
Melville, NY 11747 USA

EUT DESCRIPTION: Personal Medical Alert Transmitter

MODEL: PROSIXMED

SERIAL NUMBER: Non-serialized production units

SAMPLE RECEIPT DATE: 2026-08-03

DATE TESTED: 2026-08-10 to 2026-08-20

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CFR 47 Part 15 Subpart C	Complies
ISED RSS-247 Issue 4	Complies
ISED RSS-GEN Issue 6	Complies

UL LLC tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. All samples tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not taken into account unless noted otherwise.

This document may not be altered or revised in any way unless done so by UL LLC and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL LLC will constitute fraud and shall nullify the document.

This test report shall not be relied upon or used in support of any Federal Communications Commission ("FCC") approval where the subject device constitutes "covered equipment" as defined under <https://www.fcc.gov/supplychain/coveredlist>, except where a Conditional Approval has been granted for the equipment. The responsible party, as defined in FCC rules, shall bear sole responsibility for reviewing the FCC Covered List and determining its applicability to the equipment.

Approved & Released For
UL LLC By:



Brian Kiewra
Sr. Project Engineer
Consumer Technology Division
UL LLC

Prepared By:



Mike Antola
Sr. Staff Engineer
Consumer Technology Division
UL LLC

2. TEST RESULTS SUMMARY

This report contains info provided by the customer which can impact the validity of results. UL LLC is only responsible for the validity of results after the integration of the data provided by the customer:

Below is a list of the data/info provided by the customer:

- 1) Antenna gain and type (see section 6.3)
- 2) Worst-case data rates (see section 6.5)
- 3) Operational duty cycle declaration (see section 9.1)

FCC Clause	ISED Clause	Requirement	Result	Comment
See Comment		Duty Cycle	Reporting purposes only	ANSI C63.10 Section 11.6.
-	RSS-GEN 6.7	99% OBW	Reporting purposes only	ANSI C63.10 Section 6.9.3.
15.247 (a) (2)	RSS-247 6.3.1 (a)	6dB BW	Compliant	None.
15.247 (b) (3)	RSS-247 6.3.2	Output Power	Compliant	None.
See Comment		Average power	Reporting purposes only	Per ANSI C63.10, Section 11.9.2.3.2.
15.247 (e)	RSS-247 6.3.1 (b)	PSD	Compliant	None.
15.247 (d)	RSS-247 6.6	Conducted Spurious Emissions	Compliant	None.
15.209, 15.205	RSS-GEN 8.9, 8.10	Radiated Emissions	Compliant	None.
15.207	RSS-Gen 8.8	AC Mains Conducted Emissions	Not Applicable	EUT is battery powered only

3. TEST METHODOLOGY

The tests documented in this report were performed in accordance with FCC 47 CFR Part 2, FCC 47 CFR Part 15, ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024, KDB 558074 D01 15.247 Meas Guidance v05r02, KDB 414788 D01 Radiated Test Site v01r01, RSS-GEN Issue 6, and RSS-247 Issue 4.

4. FACILITIES AND ACCREDITATION

UL LLC is accredited by A2LA, certification # 0751.06, for all testing performed within the scope of this report. Testing was performed at the locations noted below.

	Address	ISED CABID	ISED Company Number	FCC Registration
☐	Building: 12 Laboratory Dr Durham, NC 27713, USA	US0067	2180C	825374
☒	Building: 2800 Perimeter Park Dr. Suite B Morrisville, NC 27560, USA		27265	

5. DECISION RULES AND MEASUREMENT UNCERTAINTY

5.1. METROLOGICAL TRACEABILITY

All test and measuring equipment utilized to perform the tests documented in this report are calibrated on a regular basis, with a maximum time between calibrations of one year or the manufacturers' recommendation and where applicable is traceable to recognized national standards.

5.2. DECISION RULES

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4:2012 Clause 8.2. (Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)

5.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

PARAMETER	UNCERTAINTY
Radio Frequency (Spectrum Analyzer)	141.2 Hz
Occupied Channel Bandwidth	1.22%
RF output power, conducted	1.3 dB (PK) 0.45 dB (AV)
Power Spectral Density, conducted	2.47 dB
Unwanted Emissions, conducted	1.94 dB
All emissions, radiated	6.01 dB
Conducted Emissions (0.150-30MHz) - LISN	3.40 dB
Temperature	0.57°C
Humidity	3.39%
DC Supply voltages	1.70%
Time	3.39%

Uncertainty figures are valid to a confidence level of 95%.

5.4. SAMPLE CALCULATION

RADIATED EMISSIONS

Where relevant, the following sample calculation is provided:

Field Strength (dBuV/m) = Measured Voltage (dBuV) + Antenna Factor (dB/m) + Cable Loss (dB) – Preamp Gain (dB)

36.5 dBuV + 18.7 dB/m + 0.6 dB – 26.9 dB = 28.9 dBuV/m

6. EQUIPMENT UNDER TEST

6.1. EUT DESCRIPTION

The EUT is a single-button personal medical alert transmitter, which contains 2.4 GHz Zigbee (i.e., RF6) radio.

6.2. MAXIMUM OUTPUT POWER

The transmitter has a maximum peak conducted output power as follows:

Frequency Range (MHz)	Mode	Output Power (dBm)	Output Power (mW)
2405 - 2475	Zigbee (RF6)	11.55	14.29

6.3. DESCRIPTION OF AVAILABLE ANTENNAS

The radio utilizes a printed PCB antenna, with a maximum gain as below table:

Frequency Band (GHz)	Antenna 1
	Antenna Gain (dBi)
2405-2475	-0.10

6.4. SOFTWARE AND FIRMWARE

The EUT firmware version installed during testing was 6.0.1.

6.5. WORST-CASE CONFIGURATION AND MODE

Radiated emissions below 1GHz and above 18GHz were performed with the EUT set to transmit at the channel with highest output power as worst-case scenario.

Band edge and radiated spurious emissions between 1GHz and 18GHz were performed with the EUT set to transmit at the highest power on low, middle (radiated emissions only) and high channels. All radiated emissions below 30MHz showed a margin of greater than 20dB to the limit.

The fundamental of the EUT was investigated in three orthogonal orientations X,Y,Z, it was determined that X orientation was worst-case orientation; therefore, all final radiated testing was performed with the EUT in X orientation.

Testing was performed at the only supported data rate, as provided by the client, which was 250kbps.

6.6. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

None

I/O CABLES

None

TEST SETUP

The EUT is a stand-alone battery-powered device. Test firmware exercised the radio circuitry.

SETUP DIAGRAMS

Please refer to R16435134-EP1 for setup diagrams

7. MEASUREMENT METHOD

On Time and Duty Cycle: ANSI C63.10-2020 Section 11.6

6 dB BW: ANSI C63.10-2020 Subclause -11.8.1

Occupied BW (99%): ANSI C63.10-2020 Section 6.9.3

Output Power: ANSI C63.10-2020 Subclause -11.9.1.2 Method PKPM1 Peak-reading power meter
ANSI C63.10-2020 Subclause -11.9.2.3.2 Method AVGPM-G (Measurement using a gated RF average-reading power meter)

PSD: ANSI C63.10-2020 Subclause -11.10.2 Method PKPSD (peak PSD)

Conducted emissions non-restricted frequency bands: ANSI C63.10-2020 Subclause -11.11 and 6.10.4

Radiated emissions restricted frequency bands: ANSI C63.10-2020 Subclause -11.12.1 and 6.10.5, 6.3 to 6.6.

8. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was utilized for the tests documented in this report:

Test Equipment Used - Radiated Disturbance Emissions Test Equipment (Morrisville – Chamber 4)

Equip. ID	Description	Manufacturer/Brand	Model Number	Last Cal.	Next Cal.
	0.009-30MHz				
65682	Active Loop Antenna	ETS-Lindgren	6502	2025-10-14	2027-10-14
	30-1000 MHz				
90628	Hybrid Broadband Antenna	Sunol Sciences Corp.	JB3	2026-02-09	2028-02-09
	1-18 GHz				
135143	Double-Ridged Waveguide Horn Antenna, 1 to 18 GHz	ETS Lindgren	3117	2026-03-02	2028-03-02
	18-40 GHz				
204704	Horn Antenna, 18-26.5GHz	Com Power	AH-826	2025-07-15	2027-07-15
	Gain-Loss Chains				
207638	Gain-loss string: 0.009-30MHz	Various	Various	2026-07-01	2027-07-01
207639	Gain-loss string: 25-1000MHz	Various	Various	2026-07-01	2027-07-01
207640	Gain-loss string: 1-18GHz	Various	Various	2026-07-01	2027-07-01
225795	Gain-loss string: 18-40GHz	Various	Various	2026-08-12	2027-08-12
	Receiver & Software				
197955	Spectrum Analyzer	Rohde & Schwarz	ESW44	2026-06-08	2027-06-08
214284	Spectrum Analyzer	Rohde & Schwarz	FSW50	2026-04-16	2027-04-16
SOFTEMI	EMI Software	UL	Version 9.5 (18 Oct 2021)		
	Additional Equipment used				
241204	Environmental Meter	Fisher Scientific	15-077-963	2025-08-05	2027-08-05

Note: All equipment was in calibration at the time of test

Test Equipment Used – Conducted Antenna Port Test Equipment

Equipment ID	Description	Manufacturer	Model Number	Last Cal.	Next Cal.
	Conducted Room 2				
90416	Spectrum Analyzer MY54490254	Keysight Technologies	N9030A	2026-08-10	2027-08-10
211058	Real-Time Peak Power Sensor 50MHz to 8GHz 11997	Boonton	RTP5000	2026-08-07	2027-08-07
211055	Real-Time Peak Power Sensor 50MHz to 8GHz 12002	Boonton	RTP5000	2026-08-07	2027-08-07
248879	Environmental Meter 240072452	Control Company	06-662-4	2026-03-10	2027-03-10
91218	True RMS Multimeter MY55110009	Agilent	U1232A	2026-08-04	2027-08-04
-	DC Power Supply MY62176088	Keysight Technologies	E3633A	-	-
SOFTEMI	Station Tool Software	UL	v2026.8.0 v2026.6.1	-	-
SOFTEMI	Antenna Port Software	UL	Version 2024.2.23	-	-
Power Software	Boonton Power Analyzer	Boonton	Version 3.0.13.0	-	-
	Additional Equipment used				
226567	2.92mm Coaxial 10dB Attenuator 40GHz	Fairview Microwave	SA4014-10	2025-09-02	2026-09-02

Note: All equipment was in calibration at the time of test

9. ANTENNA PORT TEST RESULTS

9.1. ON TIME AND DUTY CYCLE

LIMITS

None; for reporting purposes only.

PROCEDURE

KDB 558074 Zero-Span Spectrum Analyzer Method.

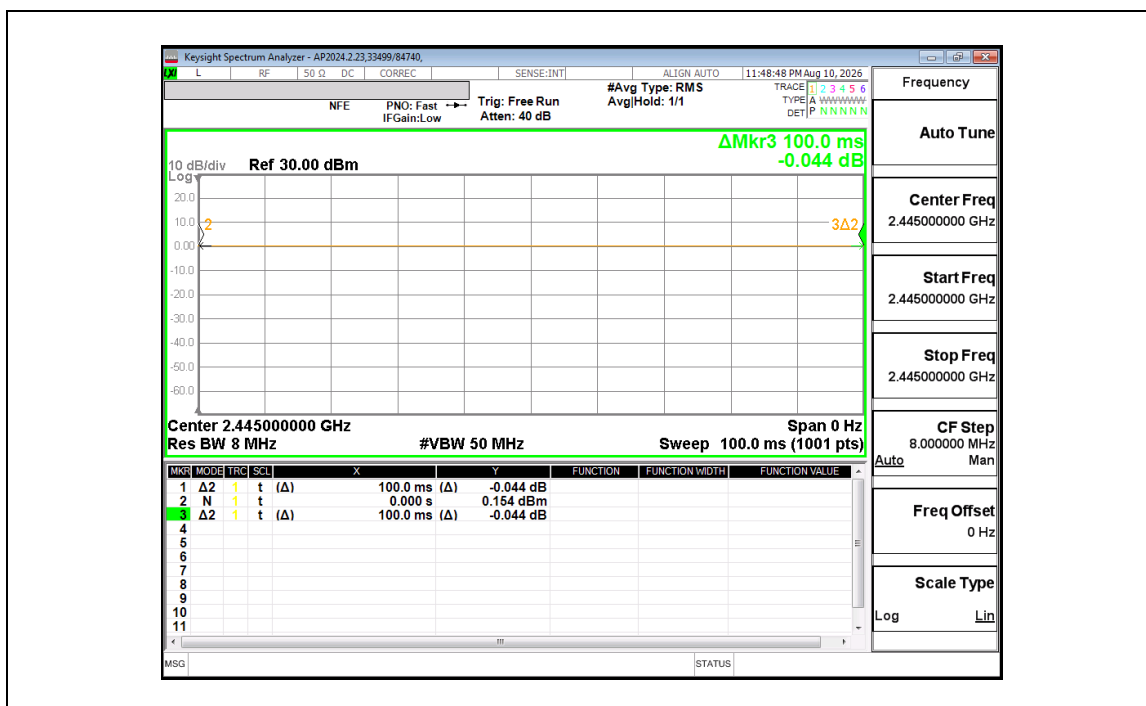
ON TIME AND DUTY CYCLE RESULTS

Mode	ON Time B (msec)	Period (msec)	Duty Cycle x (linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/B Minimum VBW (kHz)
2.4GHz Band						
Zigbee (RF6) 250kbps	100.000	100.000	1.000	100.00	0.00	0.010

Note: The operational duty cycle of the EUT, as declared by the manufacturer, will be 7.136%. Referencing KDB 558074 D01 Answer 3 (a), this duty cycle correction will be subtracted from the Peak reading to derive an Average reading, where appropriate, in this test report. See calculation below.

Duty Cycle Correction Factor = $20 \cdot \log(1/DC) = 20 \cdot \log(1/0.07136) = 22.9\text{dB}$

DUTY CYCLE PLOT



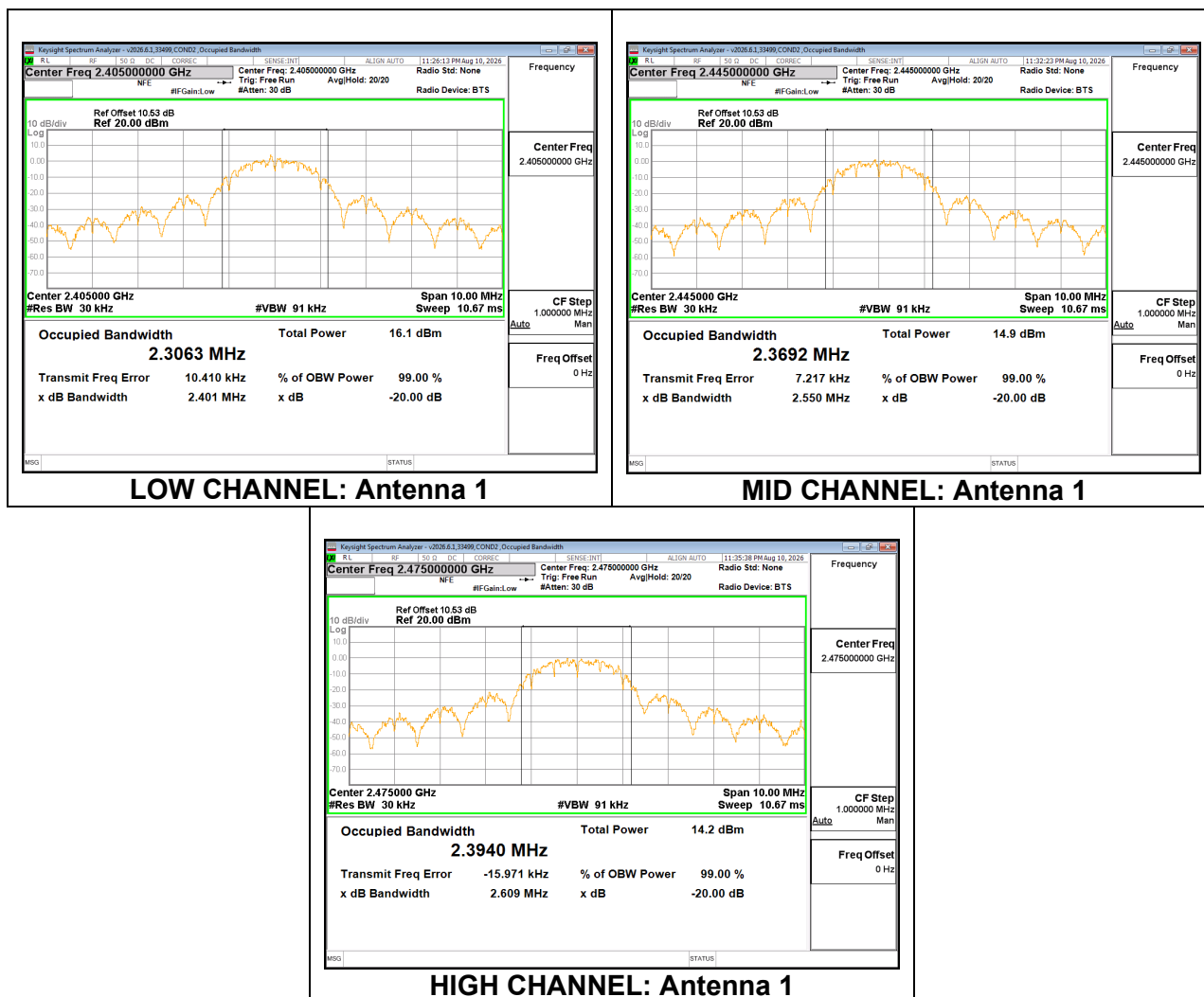
9.2. OCCUPIED BANDWIDTH

LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	2405	2.3063
Middle	2445	2.3692
High	2475	2.3940



9.3. 6 dB BANDWIDTH

LIMITS

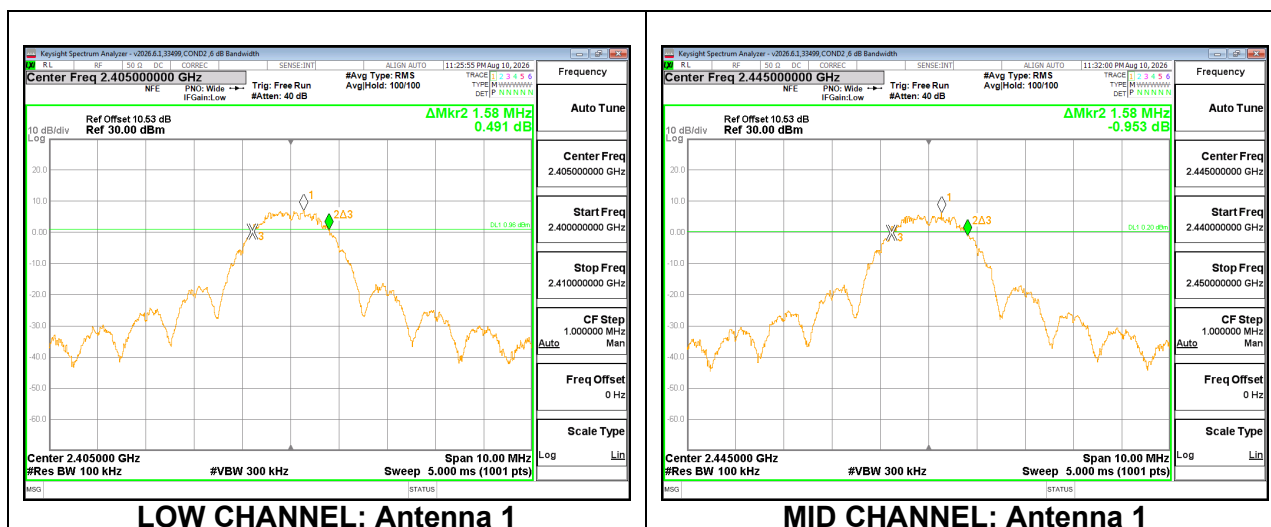
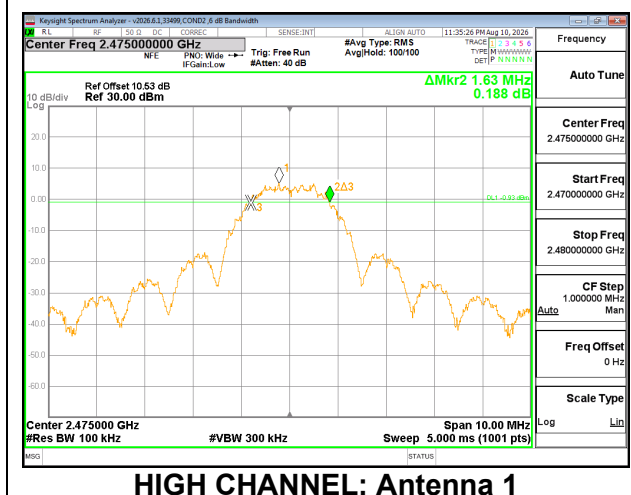
FCC §15.247 (a) (2)

RSS-247 6.3.1 (a)

The minimum 6 dB bandwidth shall be at least 500 kHz.

RESULTS

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	2405	1.58	0.5
Middle	2445	1.58	0.5
High	2475	1.63	0.5



9.4. CONDUCTED OUTPUT POWER

LIMITS

FCC §15.247 (b) (3)

RSS-247 5.4 (d)

The maximum antenna gain is less than or equal to 6 dBi, therefore the limit is 30 dBm.

TEST PROCEDURE

The transmitter output is connected to a power meter.

The cable assembly insertion loss of 10.53 dB (including 10 dB pad and 0.5 dB cable) was entered as an offset in the power meter.

The power output was measured on the EUT antenna port using SMA cable with 10dB attenuator connected to a power meter via wideband power sensor. Peak output power was read directly from power meter.

Test Engineer:	33499/84740
Test Date:	2026-08-10

DIRECTIONAL ANTENNA GAIN

For 1 TX:

There is only one transmitter output therefore the directional gain is equal to the antenna gain.

RESULTS

Channel	Frequency (MHz)	Peak Power Reading (dBm)	Limit (dBm)	Margin (dB)
Low	2405	10.970	30	-19.030
Middle	2445	11.270	30	-18.730
High	2475	11.550	30	-18.450

9.5. AVERAGE POWER

LIMITS

None; for reporting purposes only.

TEST PROCEDURE

The transmitter output is connected to a power meter.

The cable assembly insertion loss of 10.53 dB (including 10 dB pad and 0.5 dB cable) was entered as an offset in the power meter.

The power output was measured on the EUT antenna port using SMA cable with 10dB attenuator connected to a power meter via wideband power sensor. Gated average output power was read directly from power meter.

Test Engineer:	33499/84740
Test Date:	2026-08-10

RESULTS

Channel	Frequency (MHz)	AV power (dBm)
Low	2405	10.701
Middle	2445	10.871
High	2475	9.83

9.6. PEAK POWER SPECTRAL DENSITY

LIMITS

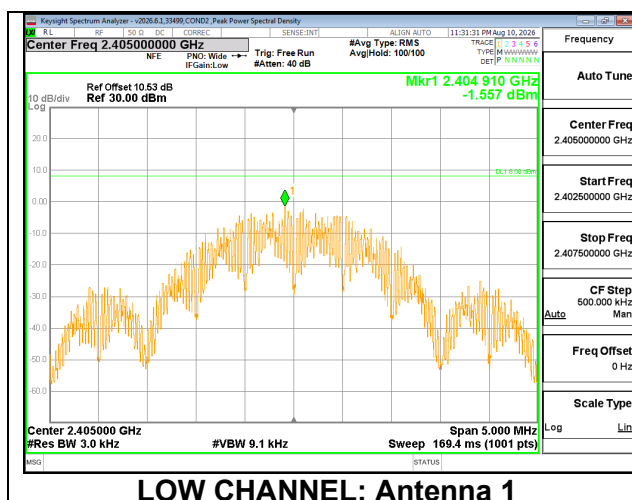
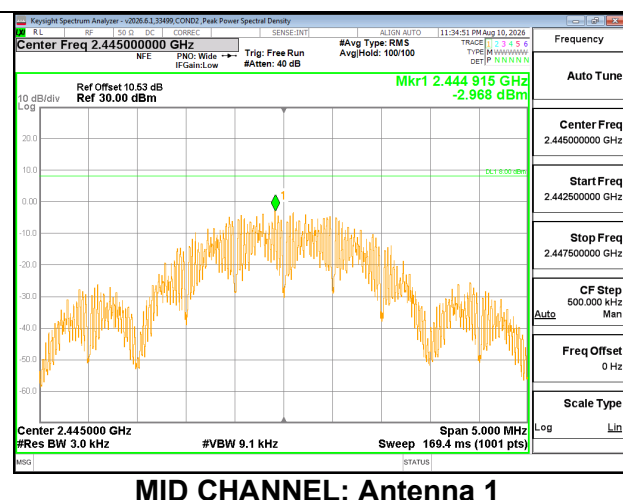
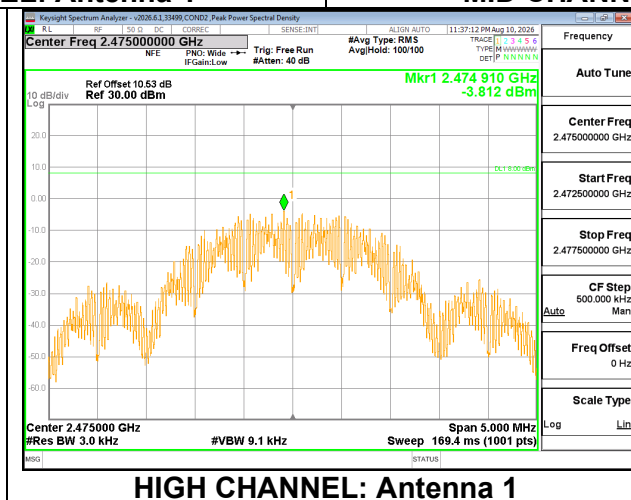
FCC §15.247 (e)

RSS-247 6.3.1 (b)

The power spectral density conducted from the transmitter to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

RESULTS

Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Margin (dB)
Low	2405	-1.557	8	-9.56
Middle	2445	-2.968	8	-10.97
High	2475	-3.812	8	-11.81



9.7. SPURIOUS EMISSIONS & BANDEDGE

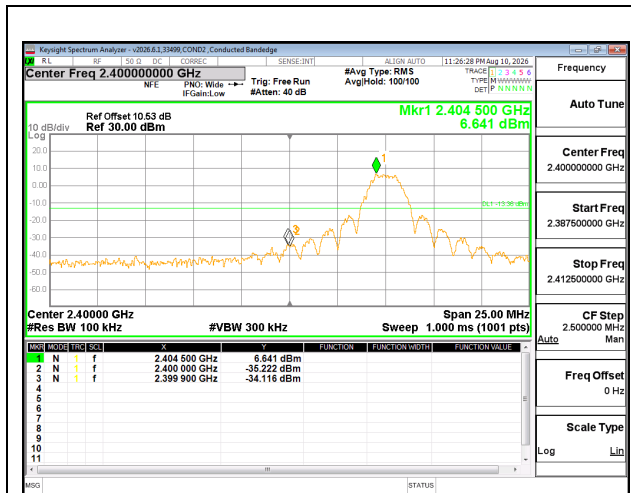
LIMITS

FCC §15.247 (d)

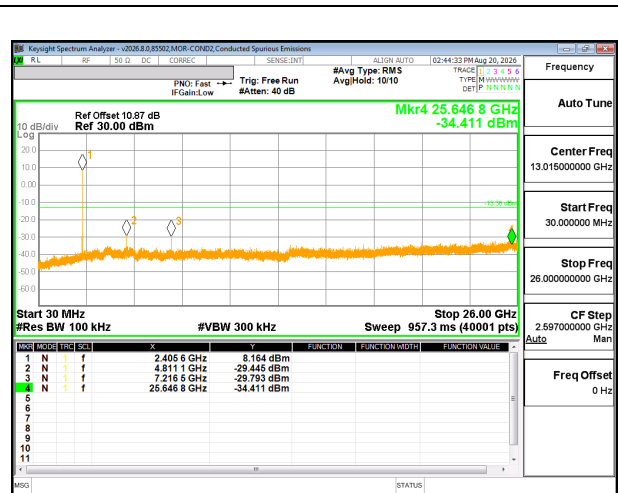
RSS-247 6.6

Output power was measured based on the use of a peak measurement, therefore the required attenuation is -20 dBc.

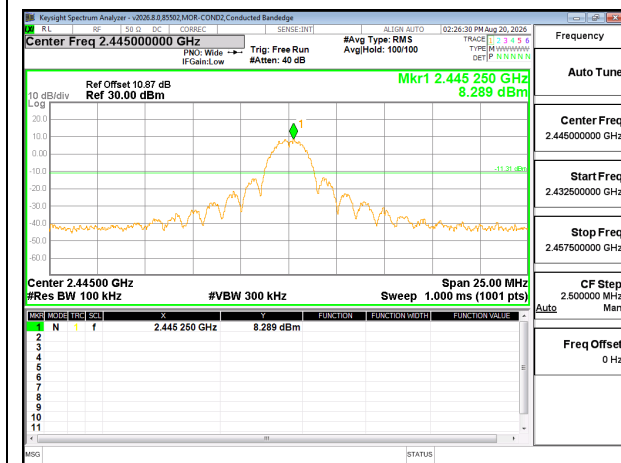
RESULTS



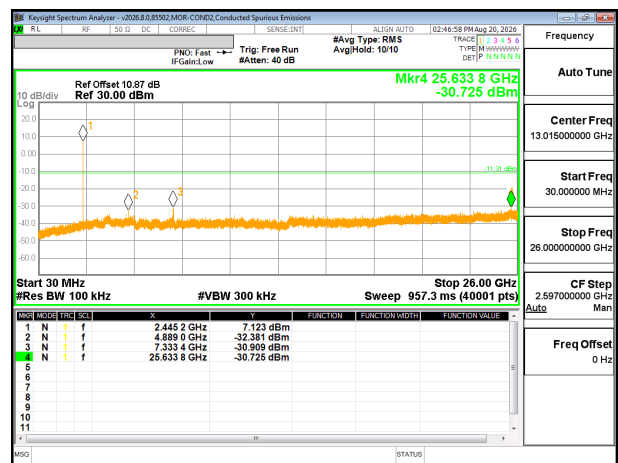
LOW CHANNEL: Antenna 1



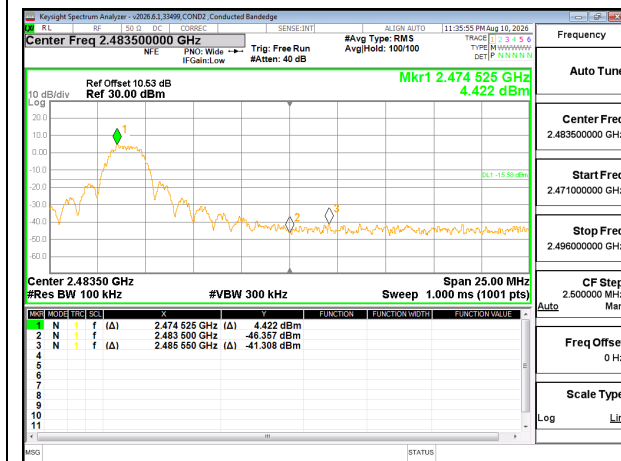
LOW CHANNEL: Antenna 1



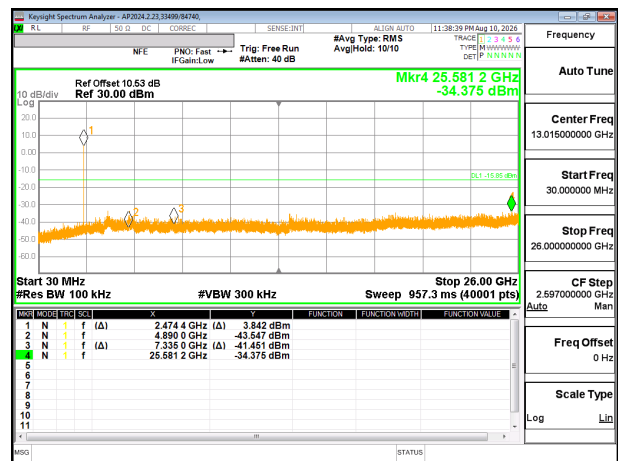
MID CHANNEL: Antenna 1



MID CHANNEL: Antenna 1



HIGH CHANNEL: Antenna 1



HIGH CHANNEL: Antenna 1

Notes: Mid channel Bandedge limit line should be -11.71dBm; High channel spurious limit line should be -15.58dBm.

10. RADIATED TEST RESULTS

10.1. LIMITS AND PROCEDURE

LIMITS

FCC §15.205 and §15.209

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
0.009-0.490	2400/F(kHz) @ 300 m	-
0.490-1.705	24000/F(kHz) @ 30 m	-
1.705 - 30	30 @ 30m	-
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

IC RSS-GEN Clause 8.9 and 8.10

Frequency Range (kHz)	Field Strength Limit (uA/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
0.009-0.490	6.37/F(kHz) @ 300 m	-
0.490-1.705	63.7/F(kHz) @ 30 m	-
1.705 - 30	0.08 @ 30m	-
Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements in the 30-1000MHz range, 9kHz for peak and/or quasi-peak detection measurements in the 0.15-30MHz range and 200Hz for peak and/or quasi-peak detection measurements in the 9 to 150kHz range. Peak detection is used unless otherwise noted as quasi-peak or average (9-90kHz and 110-490kHz).

For pre-scans and final measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3MHz for peak measurements. Average measurements were calculated based off the Peak measurement. The 23.13 dB duty cycle correction factor was subtracted from the peak measurement as documented in section 9.1 based on the 6.976% operational duty cycle.

The spectrum from 1 GHz to 18 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band. Below 1GHz and above 18GHz emissions, the channel with the highest output power was tested.

The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

3D antenna use - For below 30MHz testing, investigation was done on three antenna orientations (parallel, perpendicular, and ground-parallel).

Based on C63.10 Section 6.4: measurements below 30MHz are performed at a distance closer than that specified in the requirement and the distance correction factor is derived from the formulas defined in Section 6.4.4.2.

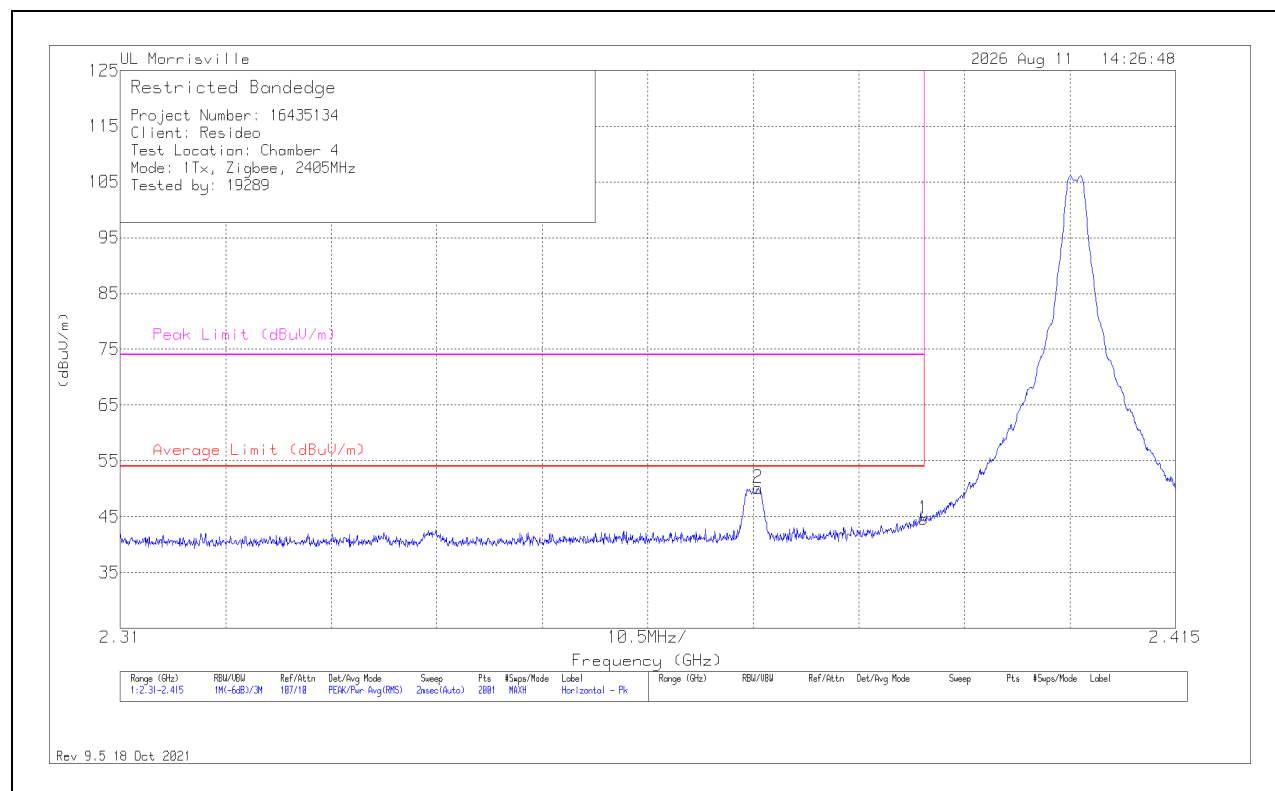
KDB 414788 Open Field Site (OFS) and Chamber Correlation Justification

OFS and chamber correlation testing had been performed and chamber measured test result is the worst-case test result.

10.2. TRANSMITTER ABOVE 1 GHz

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

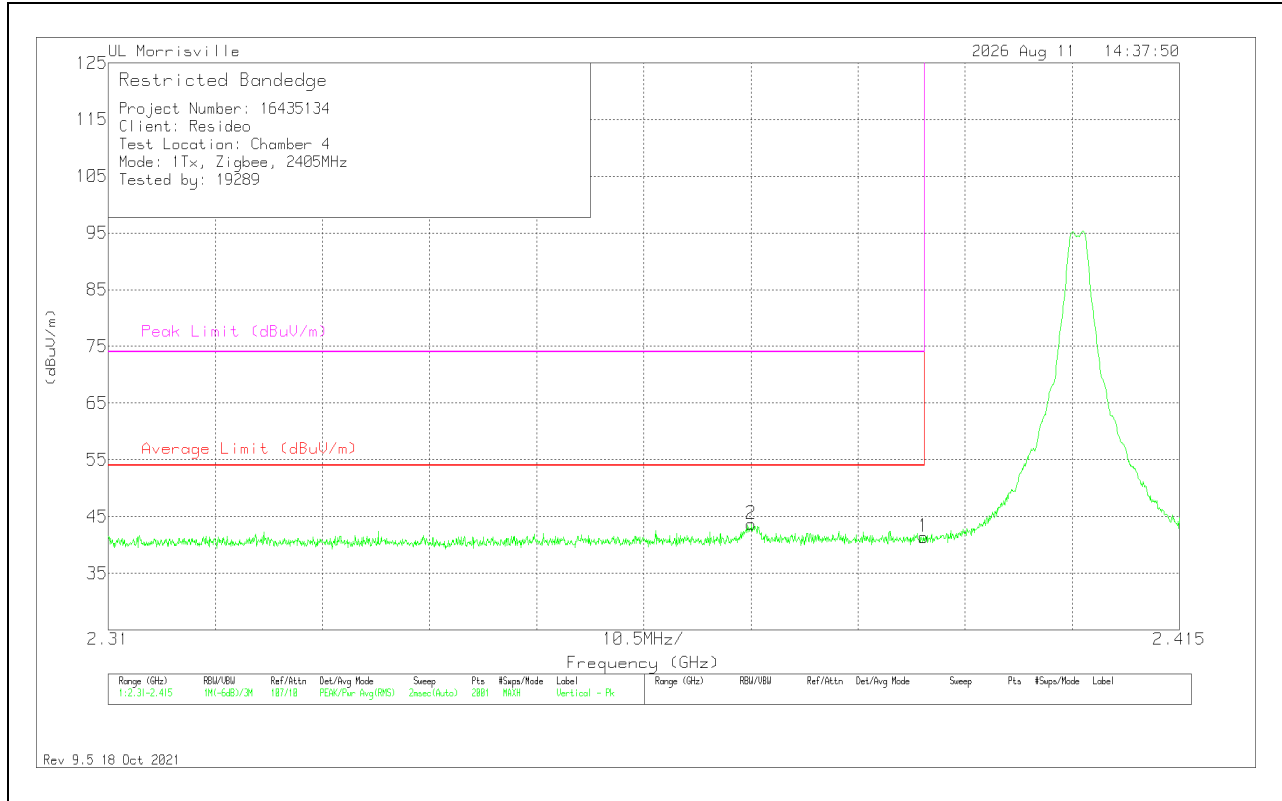


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 ACF (dB/m)	Gain/Loss (dB)	DC Corr	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38996	35.6	Pk	31.9	-22.9	0	44.6	-	-	74	-29.4	203	116	H
1	* 2.38996	35.6	Pk	31.9	-22.9	-22.9	21.7	54	-32.3	-	-	203	116	H
2	* 2.37347	41.24	Pk	31.9	-23	0	50.14	-	-	74	-23.86	203	116	H
2	* 2.37347	41.24	Pk	31.9	-23	-22.9	27.24	54	-26.76	-	-	203	116	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector

Note: Average reading is calculated by subtracting the 22.9 dB duty cycle correction (based on declared duty cycle of 7.136%) from the Peak measurement.

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 ACF (dB/m)	Gain/Loss (dB)	DC Corr	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.38996	32.38	Pk	31.9	-22.9	0	41.38	-	-	74	-32.62	63	392	V
1	* 2.38996	32.38	Pk	31.9	-22.9	-22.9	18.48	54	-35.52	-	-	63	392	V
2	* 2.37305	34.8	Pk	31.9	-23	0	43.7	-	-	74	-30.3	63	392	V
2	* 2.37305	34.8	Pk	31.9	-23	-22.9	20.8	54	-33.2	74	-	63	392	V

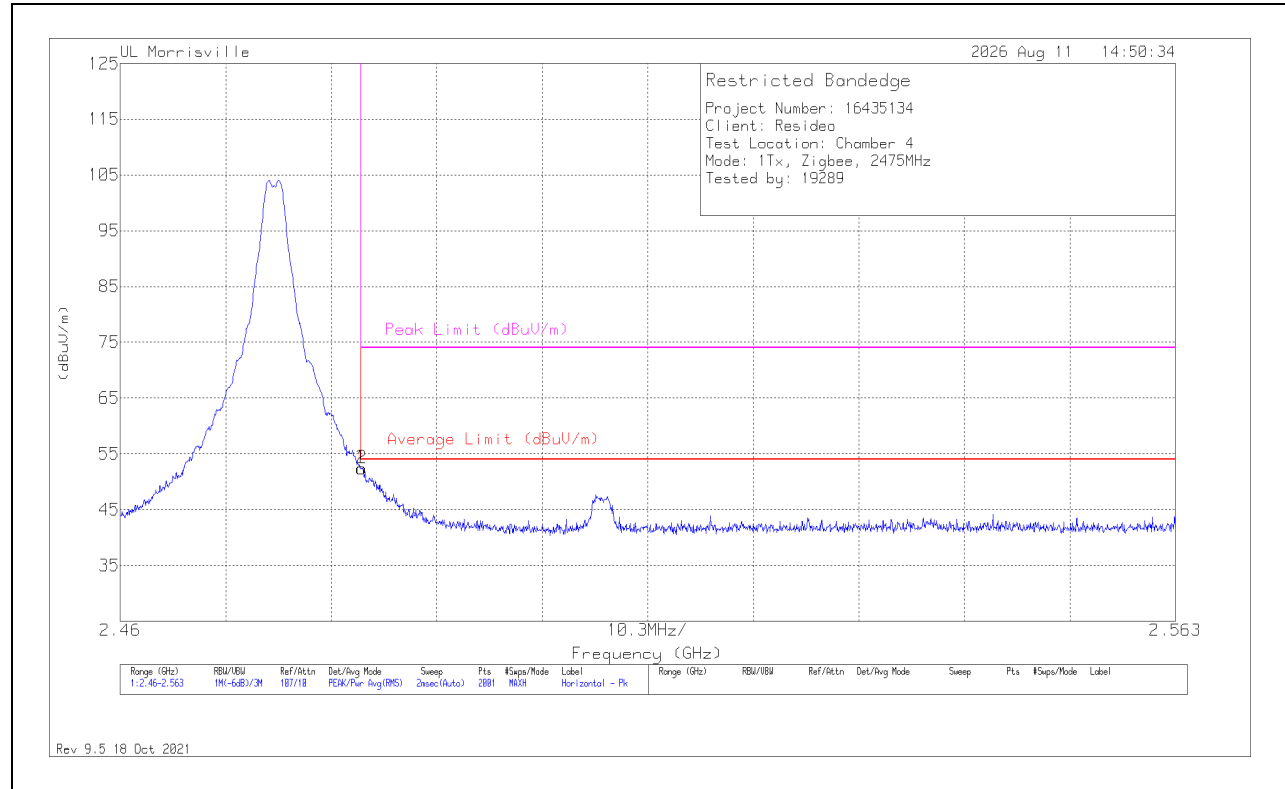
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

Note: Average reading is calculated by subtracting the 22.9 dB duty cycle correction (based on declared duty cycle of 7.136%) from the Peak measurement.

BANEDGE (HIGH CHANNEL)

HORIZONTAL RESULT

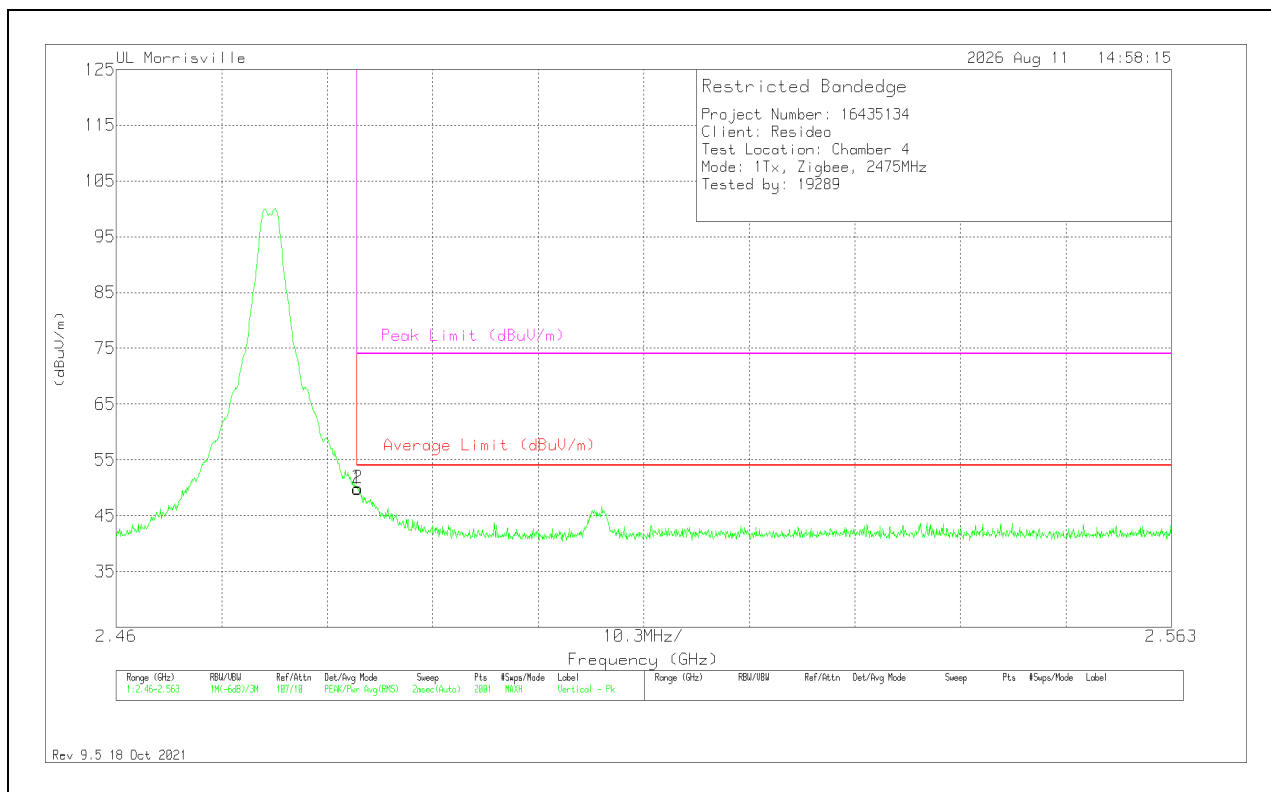


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 ACF (dB/m)	Gain/Loss (dB)	DC Corr	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48354	42.88	Pk	32.4	-22.9	0	52.38	-	-	74	-21.62	229	383	H
1	* 2.48354	42.88	Pk	32.4	-22.9	-22.9	29.48	54	-24.52	-	-	229	383	H
2	* 2.48359	42.92	Pk	32.4	-22.9	0	52.42	-	-	74	-21.58	229	383	H
2	* 2.48359	42.92	Pk	32.4	-22.9	-22.9	29.52	54	-24.48	-	-	229	383	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector

Note: Average reading is calculated by subtracting the 22.9 dB duty cycle correction (based on declared duty cycle of 7.136%) from the Peak measurement.

VERTICAL RESULT



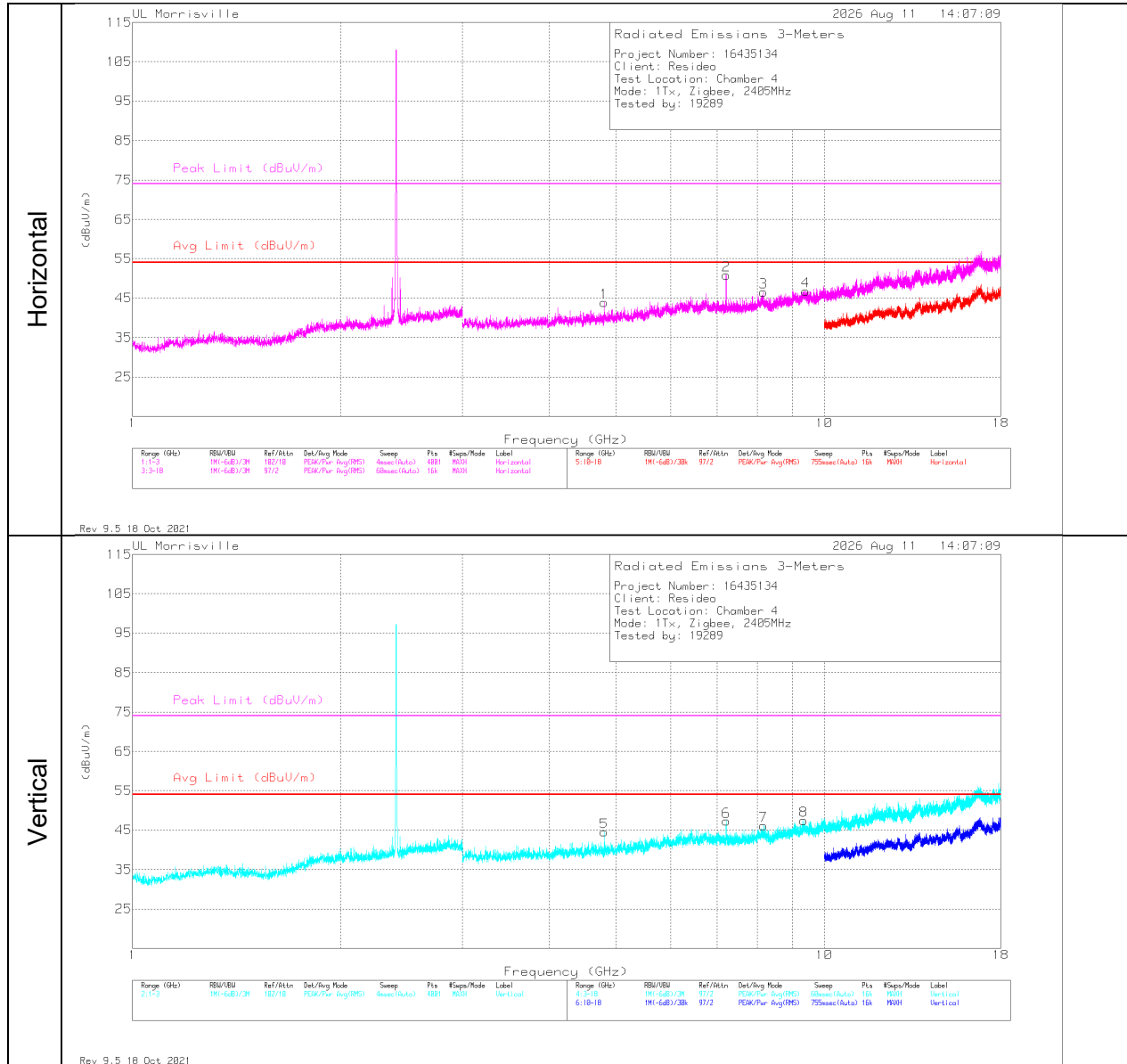
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 ACF (dB/m)	Gain/Loss (dB)	DC Corr	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.48354	40.25	Pk	32.4	-22.9	0	49.75	-	-	74	-24.25	288	302	V
1	* 2.48354	40.25	Pk	32.4	-22.9	-22.9	26.85	54	-27.15	-	-	288	302	V
2	* 2.48359	40.4	Pk	32.4	-22.9	0	49.9	-	-	74	-24.1	288	302	V
2	* 2.48359	40.4	Pk	32.4	-22.9	-22.9	27	54	-27	-	-	288	302	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector

Note: Average reading is calculated by subtracting the 22.9 dB duty cycle correction (based on declared duty cycle of 7.136%) from the Peak measurement.

HARMONICS AND SPURIOUS EMISSIONS

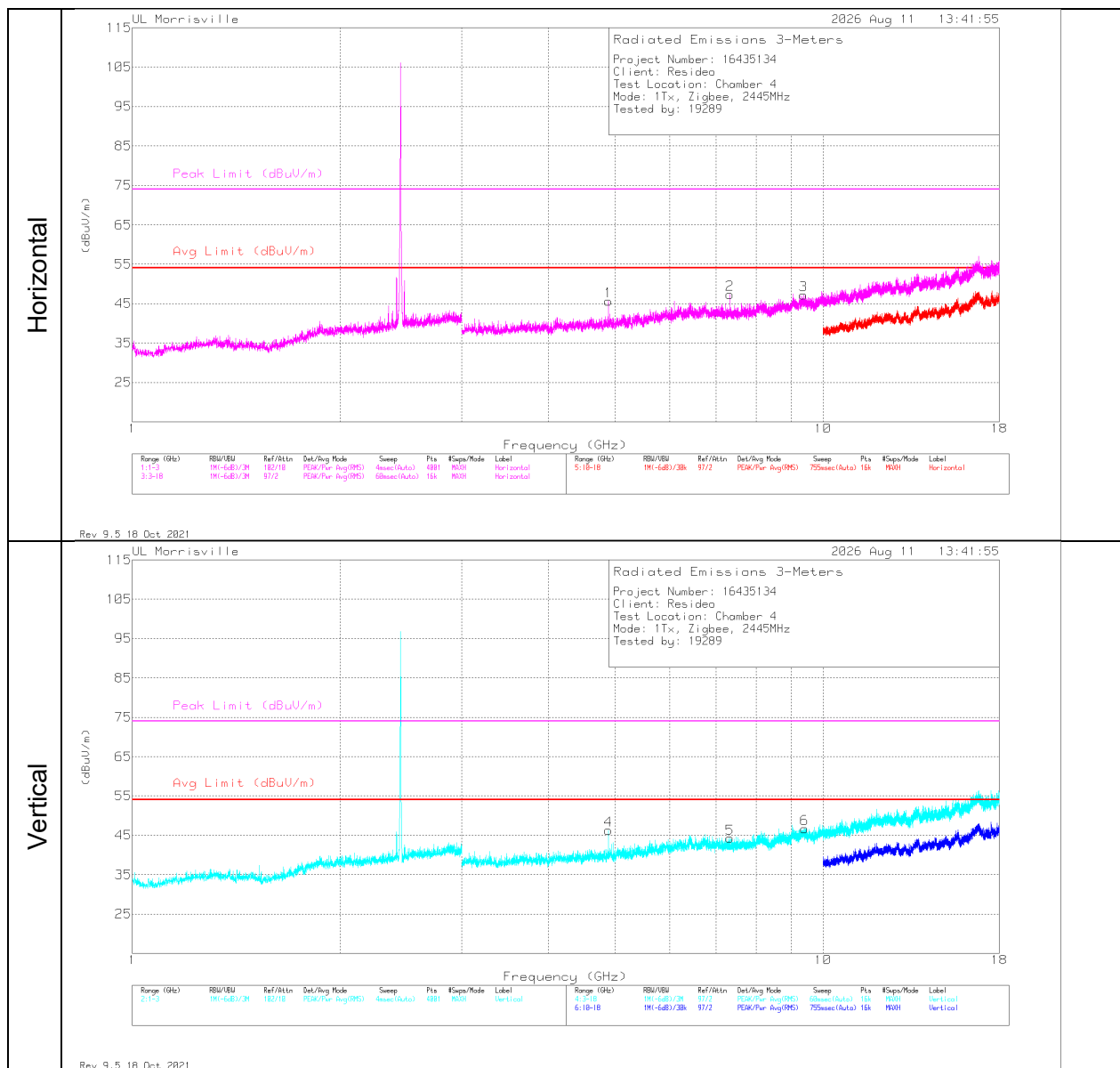
LOW CHANNEL RESULTS



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.81031	42.27	Pk	33.8	-32.1	43.97	54	-10.03	74	-30.03	0-360	100	H
3	* 8.16656	37.79	Pk	35.8	-27	46.59	54	-7.41	74	-27.41	0-360	100	H
4	* 9.40594	36.2	Pk	36.4	-25.8	46.8	54	-7.2	74	-27.2	0-360	100	H
5	* 4.81031	42.82	Pk	33.8	-32.1	44.52	54	-9.48	74	-29.48	0-360	200	V
7	* 8.17313	37.54	Pk	35.8	-27.2	46.14	54	-7.86	74	-27.86	0-360	200	V
8	* 9.34219	35.85	Pk	36.4	-24.8	47.45	54	-6.55	74	-26.55	0-360	200	V
2	7.21594	43.23	Pk	35.6	-28	50.83	-	-	-	-	0-360	100	H
6	7.21594	39.66	Pk	35.6	-28	47.26	-	-	-	-	0-360	200	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector

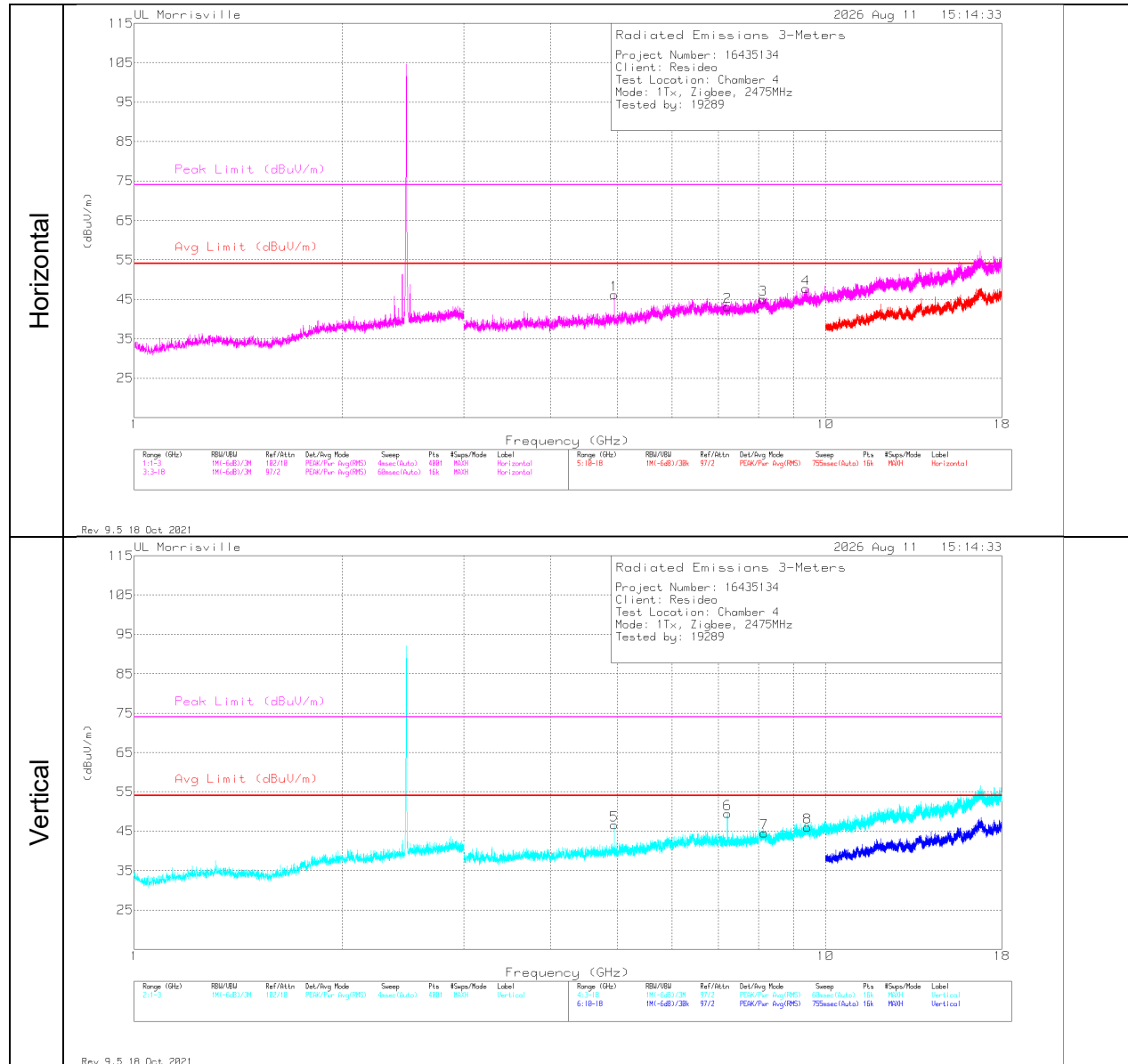
MID CHANNEL RESULTS



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.89094	43.33	Pk	33.9	-31.6	45.63	54	-8.37	74	-28.37	0-360	100	H
2	* 7.33594	39.78	Pk	35.6	-28.1	47.28	54	-6.72	74	-26.72	0-360	100	H
3	* 9.37688	35.84	Pk	36.4	-25	47.24	54	-6.76	74	-26.76	0-360	100	H
4	* 4.88906	43.96	Pk	33.9	-31.6	46.26	54	-7.74	74	-27.74	0-360	200	V
5	* 7.33406	36.75	Pk	35.6	-28.1	44.25	54	-9.75	74	-29.75	0-360	200	V
6	* 9.41156	35.95	Pk	36.4	-25.7	46.65	54	-7.35	74	-27.35	0-360	200	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector

HIGH CHANNEL RESULTS

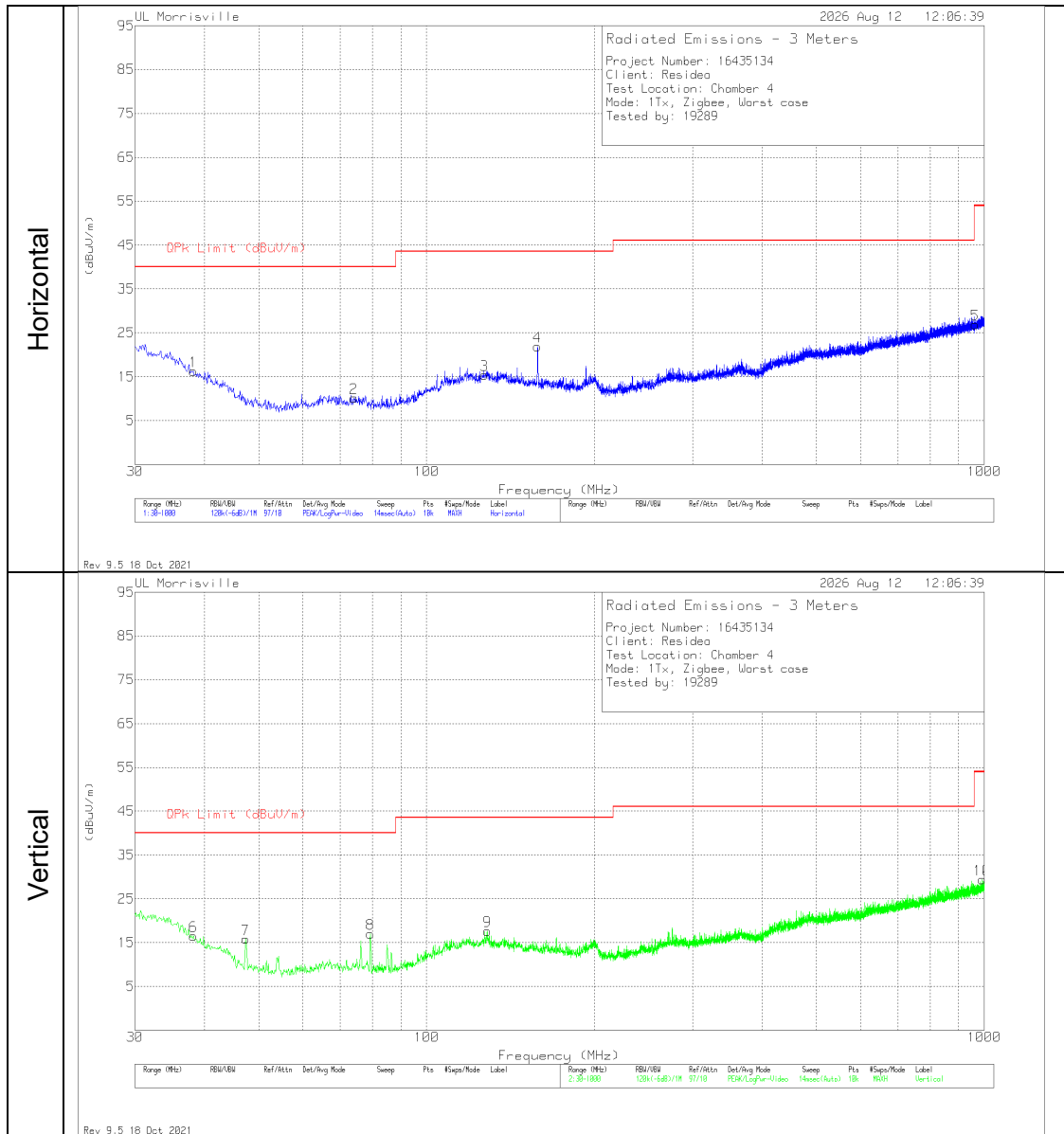


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.94906	43.91	Pk	34	-31.8	46.11	54	-7.89	74	-27.89	0-360	100	H
3	* 8.13	36.29	Pk	35.8	-27.1	44.99	54	-9.01	74	-29.01	0-360	100	H
4	* 9.37313	36.26	Pk	36.4	-25	47.66	54	-6.34	74	-26.34	0-360	100	H
5	* 4.95094	44.4	Pk	34	-31.8	46.6	54	-7.4	74	-27.4	0-360	200	V
7	* 8.16094	35.8	Pk	35.8	-27	44.6	54	-9.4	74	-29.4	0-360	200	V
8	* 9.41531	35.32	Pk	36.4	-25.7	46.02	54	-7.98	74	-27.98	0-360	200	V
6	7.21594	41.88	Pk	35.6	-28	49.48	-	-	-	-	0-360	200	V
2	7.2225	35.67	Pk	35.6	-28.1	43.17	-	-	-	-	0-360	100	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector

10.3. WORST CASE BELOW 1 GHZ

SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION)

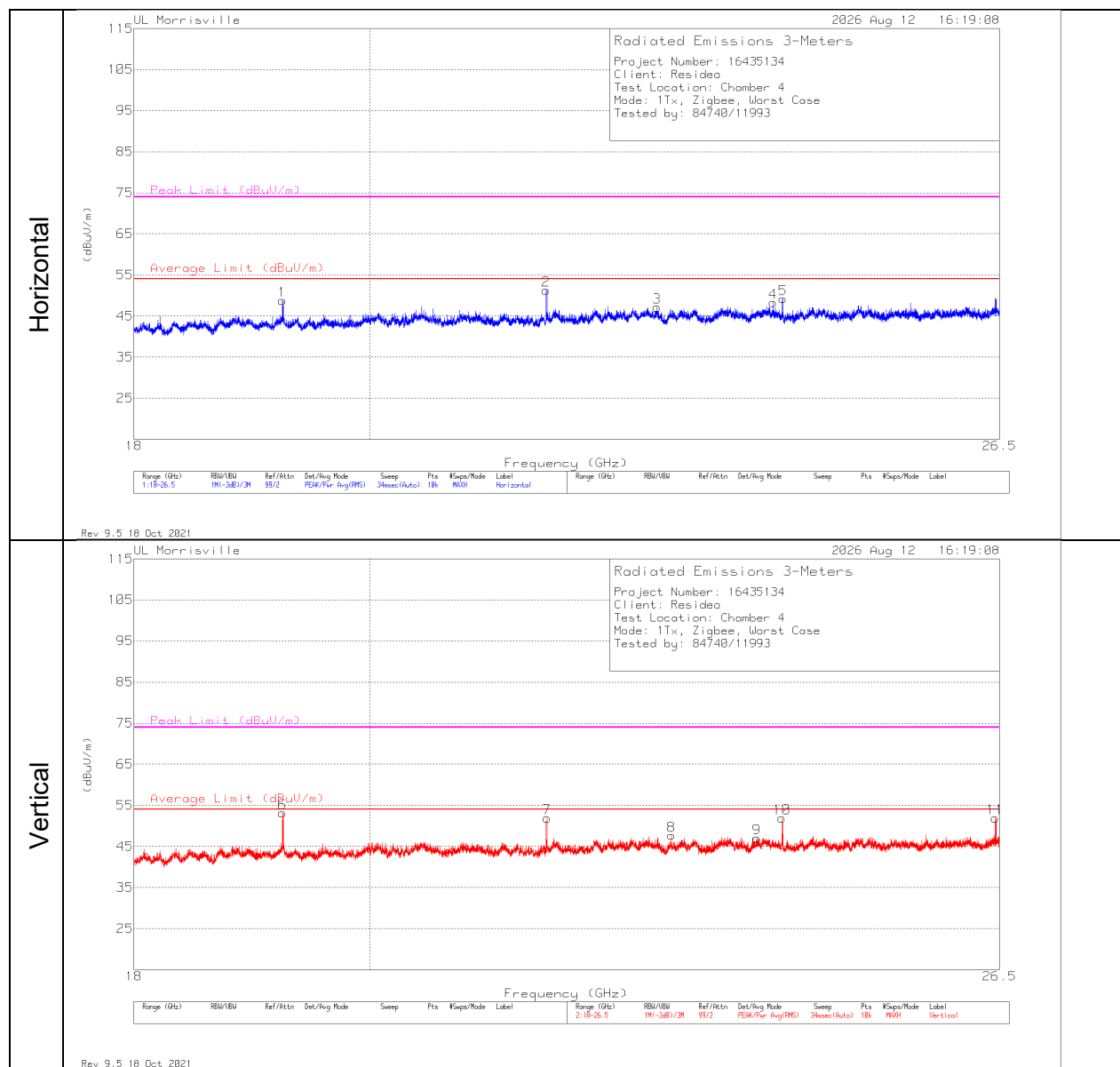


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	90628 ACF (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 38.148	26.93	Pk	21.4	-32.1	16.23	40	-23.77	0-360	200	H
2	* 74.038	27.42	Pk	14.4	-31.7	10.12	40	-29.88	0-360	300	H
3	* 126.903	26.88	Pk	19.7	-31.2	15.38	43.52	-28.14	0-360	200	H
5	* 963.722	24.5	Pk	28.8	-26.4	26.9	53.97	-27.07	0-360	100	H
6	* 38.148	27.24	Pk	21.4	-32.1	16.54	40	-23.46	0-360	100	V
9	* 128.455	29.1	Pk	19.7	-31.2	17.6	43.52	-25.92	0-360	100	V
10	* 990.882	26.45	Pk	29.2	-26.2	29.45	53.97	-24.52	0-360	100	V
7	47.363	33.03	Pk	14.8	-32	15.83	-	-	0-360	200	V
8	79.276	34.81	Pk	13.8	-31.6	17.01	-	-	0-360	100	V
4	158.137	34.78	Pk	18.1	-31	21.88	-	-	0-360	100	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector

10.4. WORST CASE 18-26 GHZ

SPURIOUS EMISSIONS 18-26 GHz (WORST-CASE CONFIGURATION)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	204704 ACF (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 19.23622	53.91	PK2	33.1	-36.6	0	50.41	-	-	74	-23.59	254	187	H
	* 19.23622	53.91	PK2	33.1	-36.6	-22.9	27.51	54	-26.49	-	-	254	187	H
3	* 22.73837	48.78	Pk	33.8	-35.4	0	47.18	54	-6.82	74	-26.82	0-360	250	H
4	* 23.95386	47.74	PK2	34.4	-35.1	0	47.04	-	-	74	-26.96	93	250	H
	* 23.95386	47.74	PK2	34.4	-35.1	-22.9	24.14	54	-29.86	-	-	93	250	H
6	* 19.2361	58.87	PK2	33.1	-36.6	0	55.37	-	-	74	-18.63	50	202	V
	* 19.2361	58.87	PK2	33.1	-36.6	-22.9	32.47	54	-21.53	-	-	50	202	V
8	* 22.88799	49.32	Pk	33.9	-35.5	0	47.72	54	-6.28	74	-26.28	0-360	300	V
9	* 23.77463	47.42	Pk	34.3	-34.7	0	47.02	54	-6.98	74	-26.98	0-360	150	V
2	21.64091	54.13	Pk	33.7	-36.5	0	51.33	-	-	-	-	0-360	150	H
7	21.64941	54.09	Pk	33.7	-35.9	0	51.89	-	-	-	-	0-360	250	V
10	24.0458	52.76	Pk	34.4	-35.2	0	51.96	-	-	-	-	0-360	250	V
5	24.05516	50.22	Pk	34.4	-35.4	0	49.22	-	-	-	-	0-360	100	H
11	26.44984	51.27	Pk	35.1	-34.5	0	51.87	-	-	-	-	0-360	250	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

PK2 - Maximum Peak

Note: Average reading is calculated by subtracting the 22.9 dB duty cycle correction (based on declared duty cycle of 7.136%) from the Peak measurement.

11. SETUP PHOTOS

Please refer to R16435134-EP1 for setup photos

END OF TEST REPORT