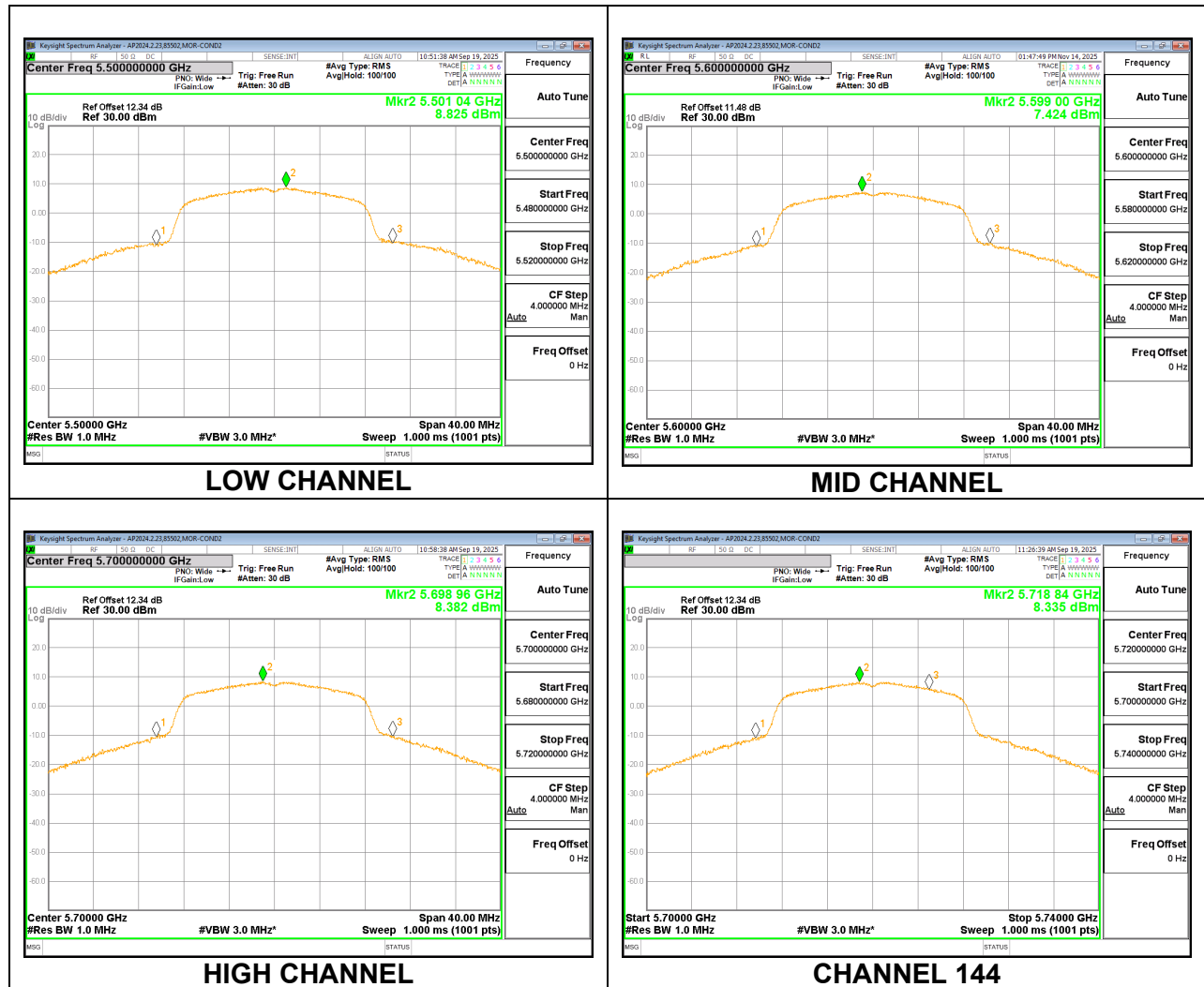




9.5.8. 802.11n HT20 MODE IN THE 5.6 GHz BAND

1TX Antenna 1 MODE (FCC+IC)

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5500	21.7200	17.3790	3.28
Low	5520	21.7200	17.3790	3.28
Mid	5600	21.7200	17.3790	3.28
High	5680	21.7200	17.3790	3.28
High	5700	21.7200	17.3790	3.28
144	5720	21.7200	17.3790	3.28

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/1MHz)	ISED PSD Limit (dBm/1MHz)	PSD Limit (dBm/1MHz)
Low	5500	24.00	23.40	29.40	23.40	11.00	11.00	11.00
Mid	5600	24.00	23.40	29.40	23.40	11.00	11.00	11.00
High	5680	24.00	23.40	29.40	23.40	11.00	11.00	11.00
144	5720	24.00	23.40	29.40	23.40	11.00	11.00	11.00

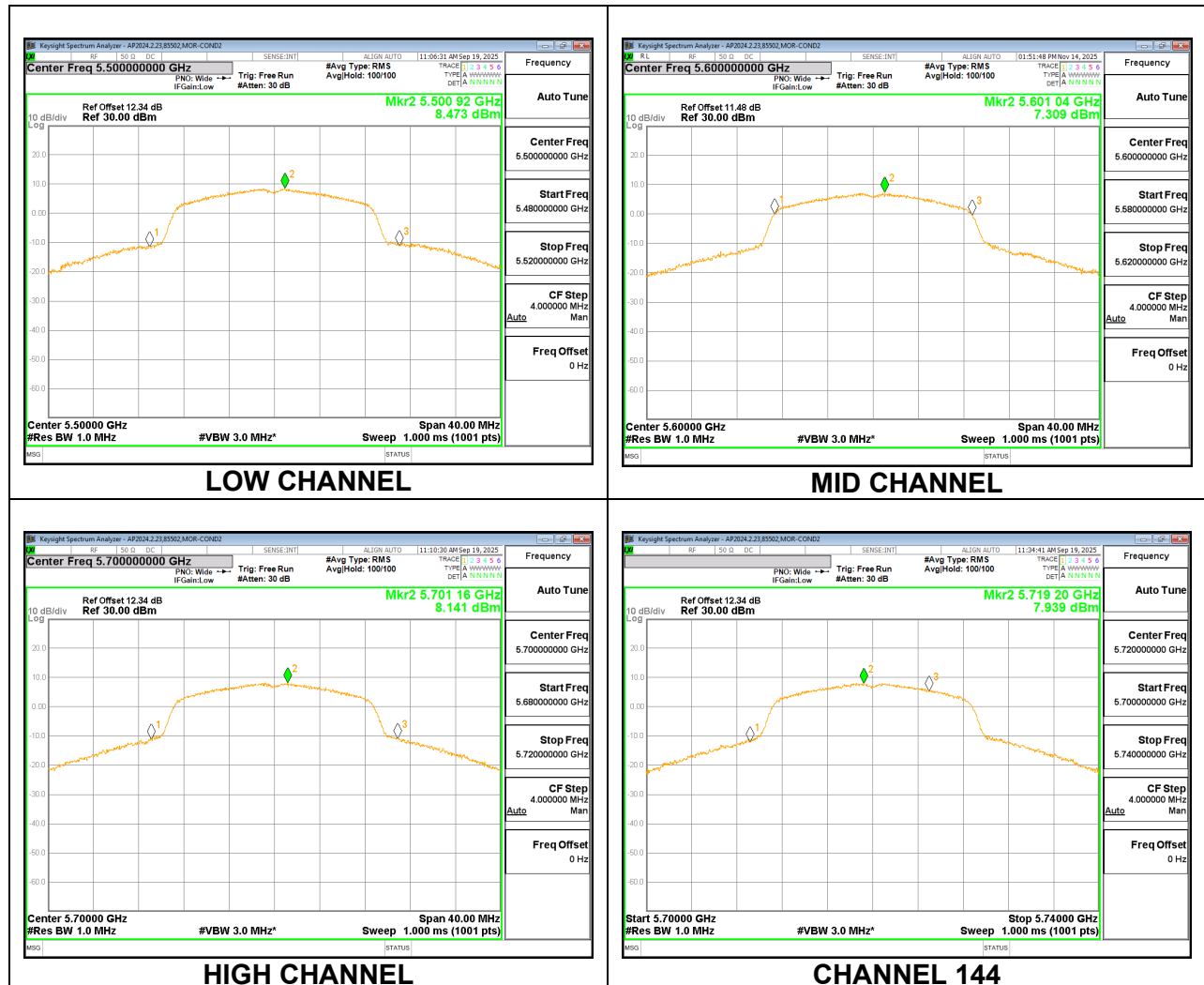
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	13.820	13.82	23.40	-9.58
Low	5520	19.050	19.05	23.40	-4.35
Mid	5600	19.150	19.15	23.40	-4.25
High	5680	18.820	18.82	23.40	-4.58
High	5700	15.220	15.22	23.40	-8.18
144	5720	18.270	18.27	23.40	-5.13

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5500	8.473	8.473	11.00	-2.53
Mid	5600	7.309	7.309	11.00	-3.69
High	5700	7.309	7.309	11.00	-3.69
144	5720	7.939	7.939	11.00	-3.06



9.5.9. 802.11n HT40 MODE IN THE 5.6 GHz BAND

1TX Antenna 1 MODE (FCC+IC)

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5510	34.5200	35.3100	3.28
Mid	5550	34.5200	35.3100	3.28
High	5670	34.5200	35.3100	3.28
High	5670	34.5200	35.3100	3.28
142	5710	34.5200	35.3100	3.28

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5510	24.00	24.00	30.00	24.00	11.00	11.00	11.00
Mid	5550	24.00	24.00	30.00	24.00	11.00	11.00	11.00
High	5670	24.00	24.00	30.00	24.00	11.00	11.00	11.00
142	5710	24.00	24.00	30.00	24.00	11.00	11.00	11.00

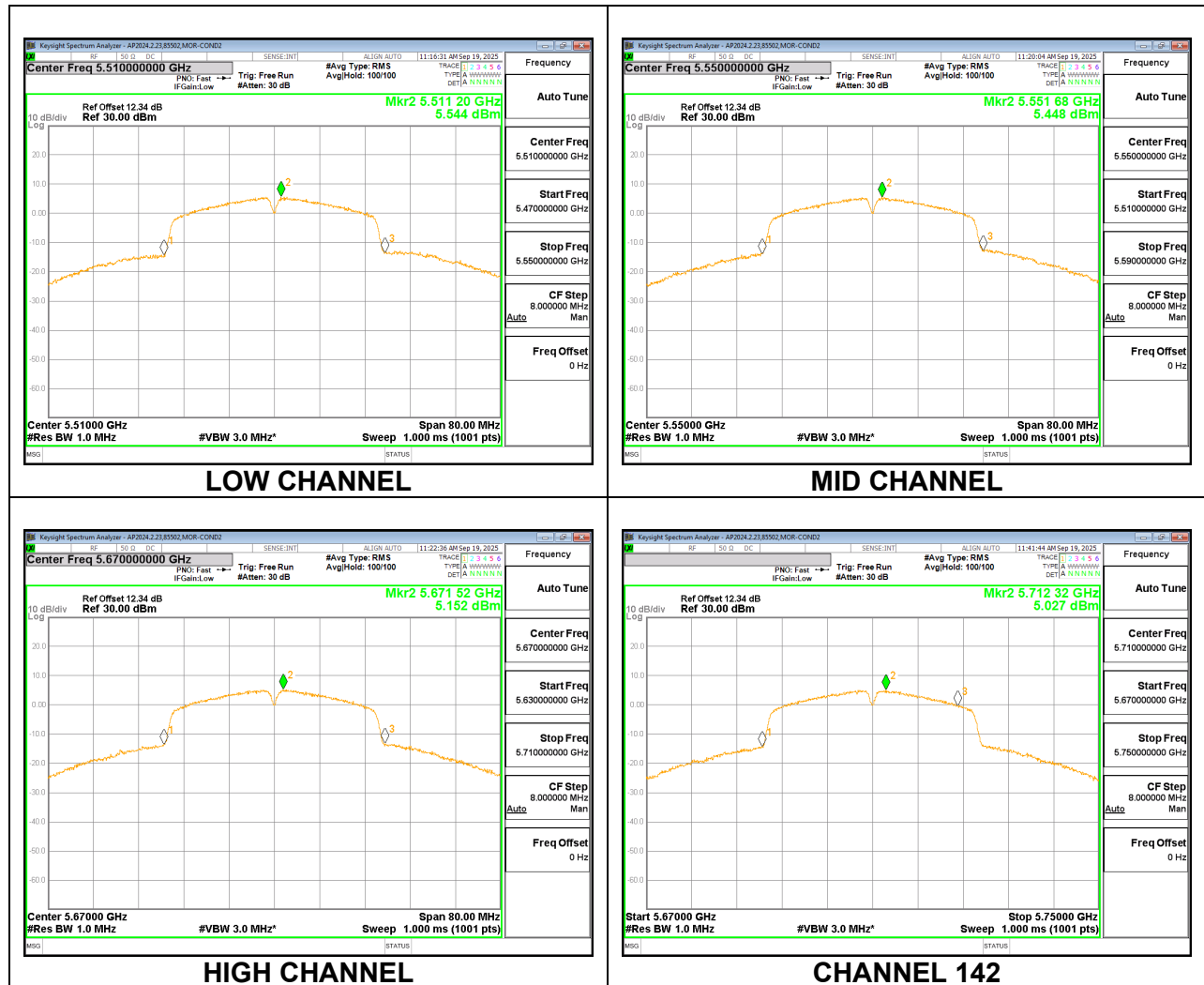
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	11.780	11.78	24.00	-12.22
Mid	5550	18.930	18.93	24.00	-5.07
High	5630	18.650	18.65	24.00	-5.35
High	5670	15.970	15.97	24.00	-8.03
142	5710	18.710	18.71	24.00	-5.29

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5510	5.544	5.54	11.00	-5.46
Mid	5550	5.448	5.45	11.00	-5.55
High	5670	5.152	5.15	11.00	-5.85
142	5710	5.027	5.03	11.00	-5.97



9.5.10. 802.11a MODE IN THE 5.8 GHz BAND

1TX Antenna 1 MODE (FCC+IC)

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 500KHz)
Low	5745	3.28	30.00	30.00
Mid	5785	3.28	30.00	30.00
High	5825	3.28	30.00	30.00
144	5720	3.28	30.00	30.00

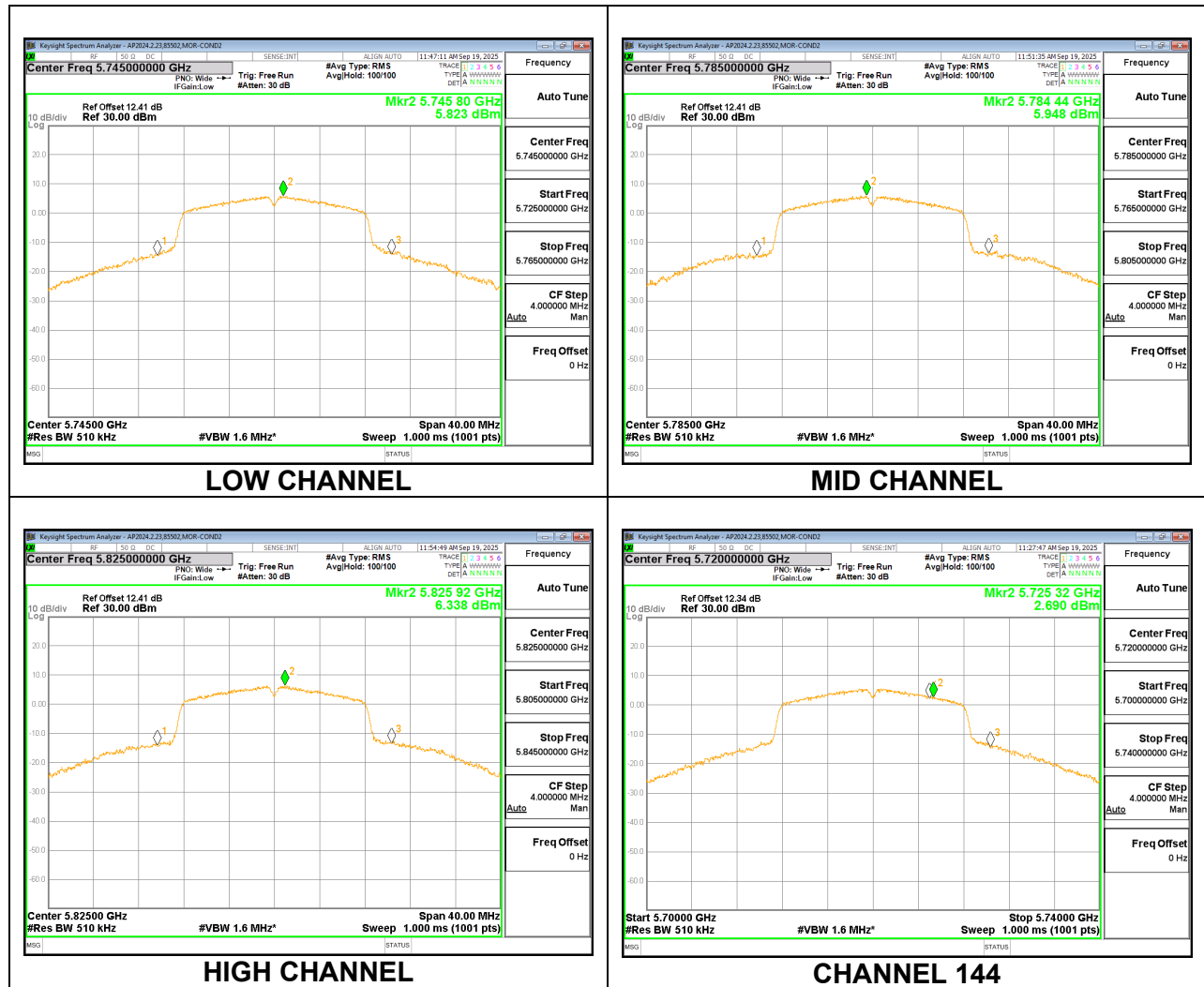
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	19.69	19.69	30.00	-10.31
Mid	5785	19.99	19.99	30.00	-10.01
High	5825	19.76	19.76	30.00	-10.24
144	5720	18.63	18.63	30.00	-11.37

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Low	5745	5.823	5.823	30.00	-24.18
Mid	5785	5.948	5.948	30.00	-24.05
High	5825	6.338	6.338	30.00	-23.66
144	5720	2.690	2.690	30.00	-27.31



9.5.11. 802.11n HT20 MODE IN THE 5.8 GHz BAND

1TX Antenna 1 MODE (FCC+IC)

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC/ISED Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 500KHz)
Low	5745	3.28	30.00	30.00
Mid	5785	3.28	30.00	30.00
High	5825	3.28	30.00	30.00
144	5720	3.28	30.00	30.00

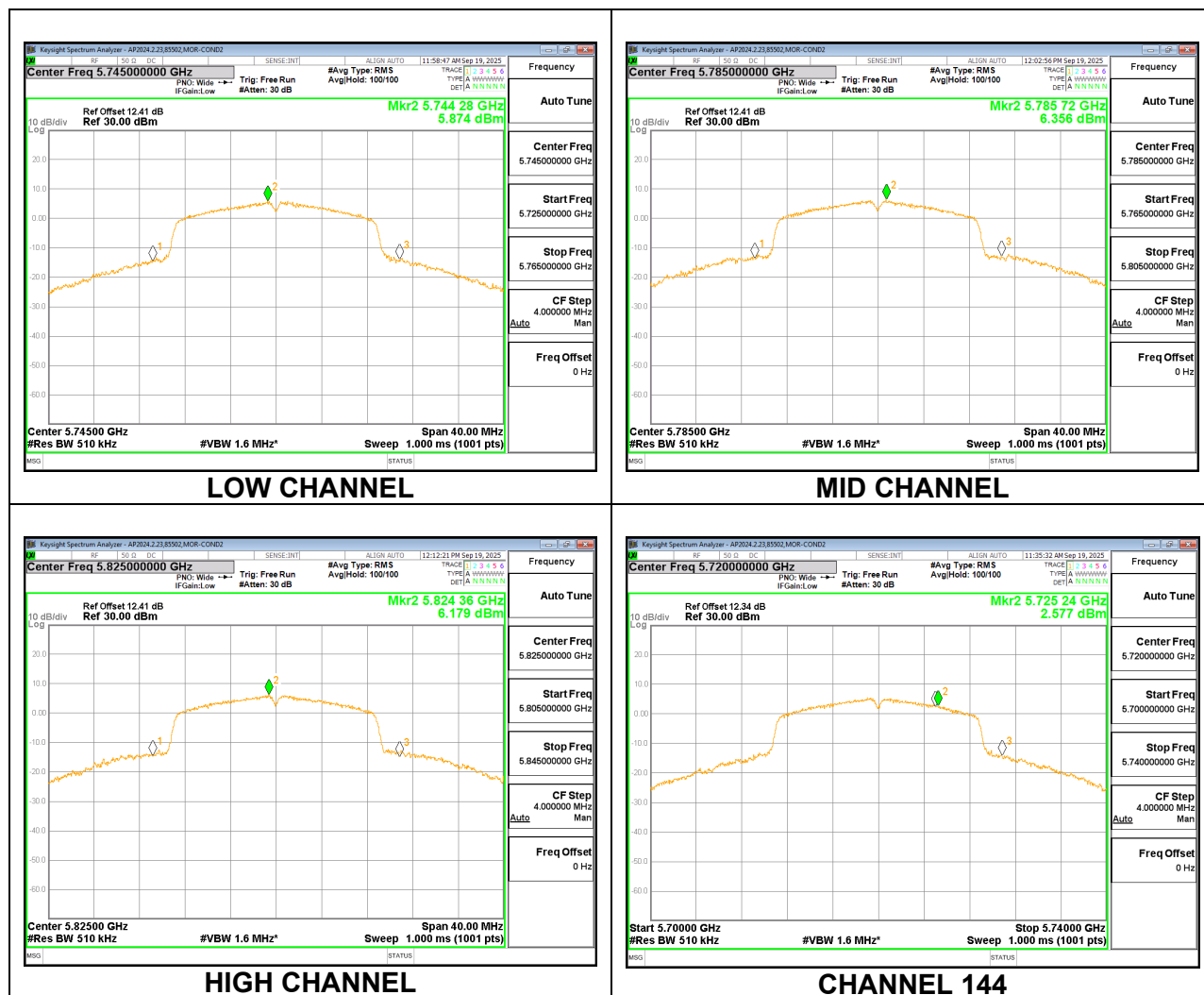
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	19.42	19.42	30.00	-10.58
Mid	5785	19.70	19.70	30.00	-10.30
High	5825	19.57	19.57	30.00	-10.43
144	5720	18.27	18.27	30.00	-11.73

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Low	5745	5.874	5.874	30.00	-24.13
Mid	5785	6.356	6.356	30.00	-23.64
High	5825	6.179	6.179	30.00	-23.82
144	5720	2.577	2.577	30.00	-27.42



9.5.12. 802.11n HT40 MODE IN THE 5.8 GHz BAND

1TX Antenna 1 MODE (FCC+IC)

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC/ISE Power Limit (dBm)	FCC/ISED PSD Limit (dBm/ 500KHz)
Low	5755	3.28	30.00	30.00
High	5795	3.28	30.00	30.00
142	5710	3.28	30.00	30.00

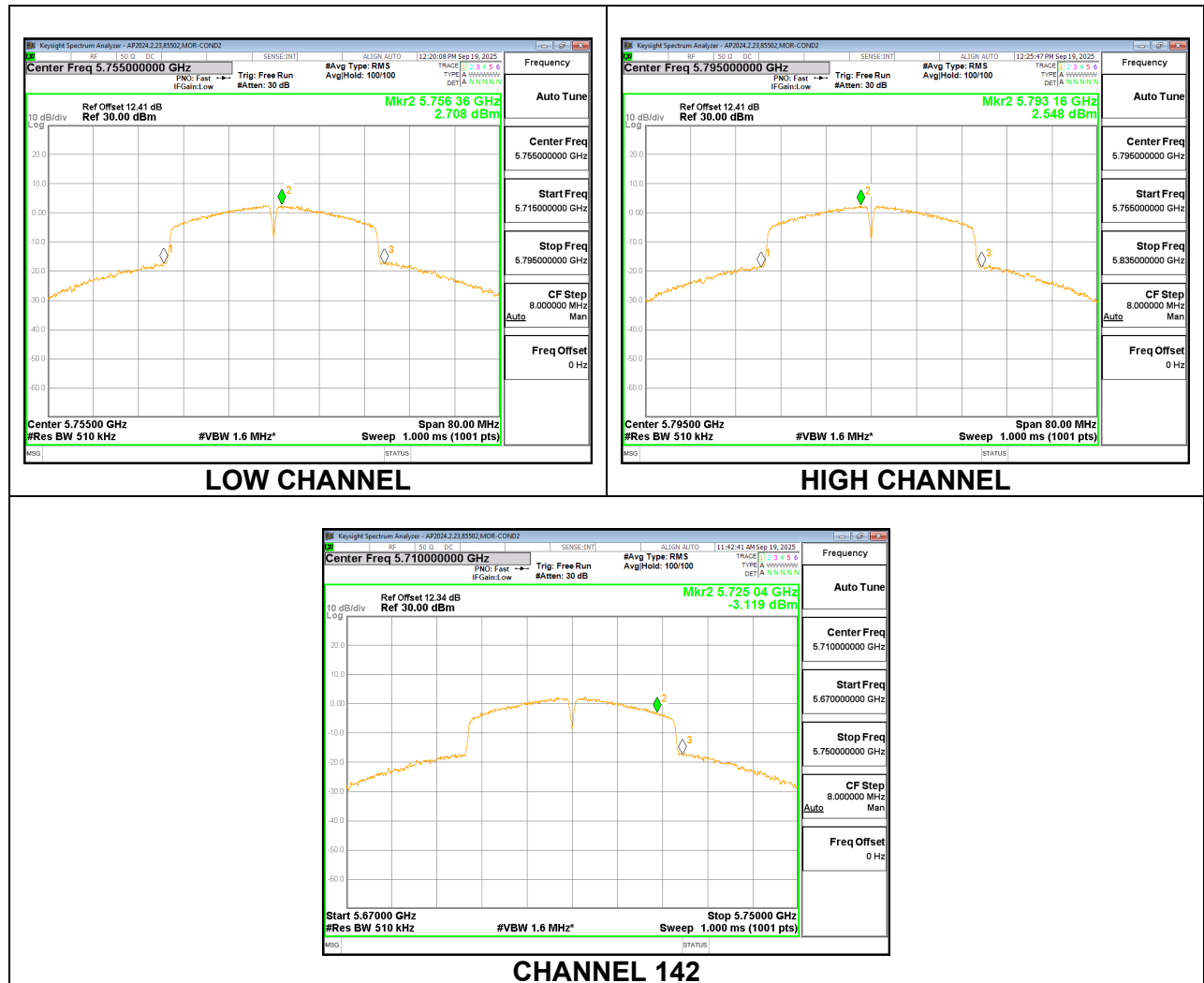
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	19.35	19.35	30.00	-10.65
High	5795	19.79	19.79	30.00	-10.21
142	5710	18.71	18.71	30.00	-11.29

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Low	5755	2.708	2.708	30.00	-27.29
High	5795	2.548	2.548	30.00	-27.45
142	5710	-3.119	-3.119	30.00	-33.12



10. RADIATED TEST RESULTS

LIMITS

FCC §15.205 and §15.209 - Restricted bands

FCC §15.407(b)(1-4) - Unrestricted bands

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

RSS 247 Issue 4 Sections

7.3.1.3 (for 5150-5250 MHz band)

7.3.2.3 (for 5250-5350 MHz band)

7.3.4.4 (for 5470-5600 MHz and 5650-5725 MHz bands)

7.3.5.4 (for 5725-5850 MHz band)

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 above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3MHz for peak measurements.

For final measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak and average measurements. Voltage averaging detection was used for this test program.

Note: Where applicable, some banded average measurements were integrated over 1MHz using lower RBW as allowed in FCC §15.407 (b)(8)

The spectrum from 9kHz to 1GHz and 18GHz to 40 GHz is investigated with the transmitter set to transmit at the channel with highest output power as worst-case scenario. 1GHz to 18GHz was set to the lowest, middle, and highest channels on the modes with highest power/PSD in each of the 5 GHz bands. Additional scans were also taken to ensure additional modes remain compliant.

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).

Base on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.

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.

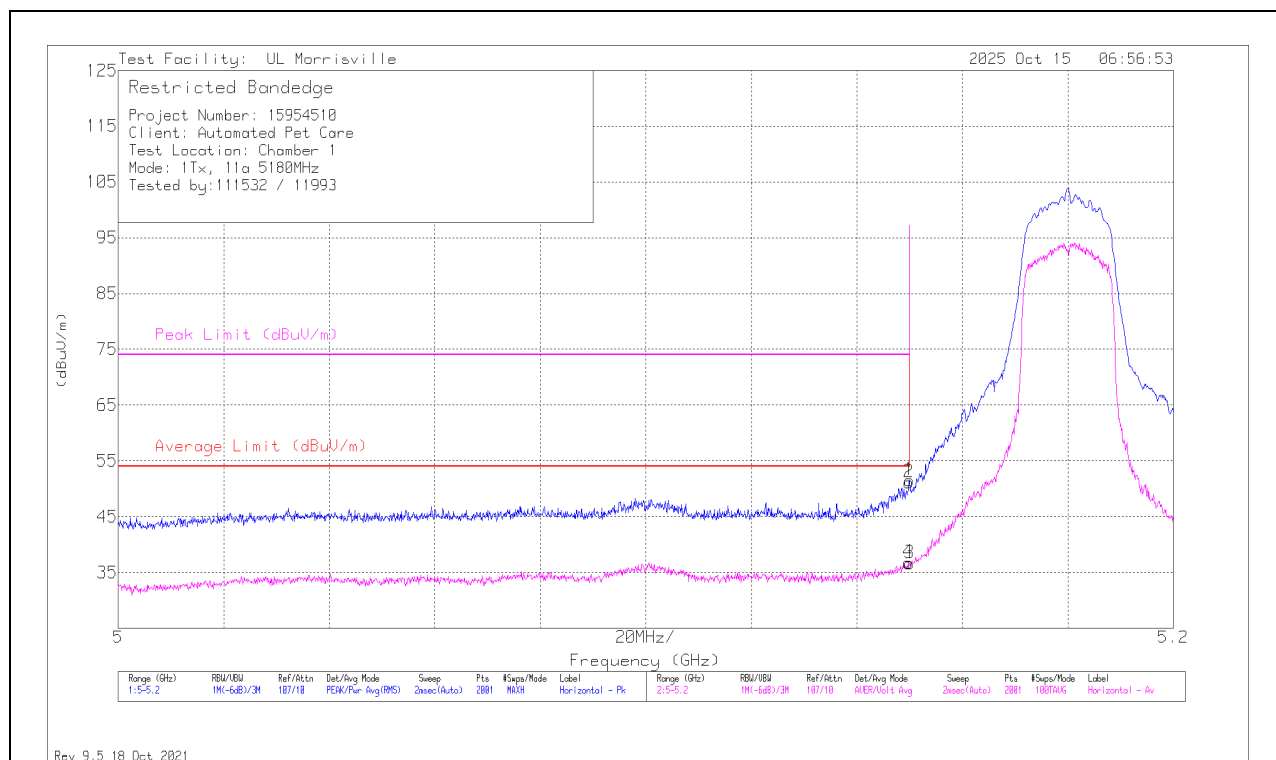
10.1. TRANSMITTER ABOVE 1 GHz

10.1.1. TX ABOVE 1 GHz 802.11a MODE IN THE 5.2 GHz BAND

1TX Antenna 1 MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 5.15	39.81	Pk	34.3	-22.6	51.51	-	-	74	-22.49	183	193	H
2	*** 5.1499	39.42	Pk	34.3	-22.6	51.12	-	-	74	-22.88	183	193	H
3	*** 5.15	24.89	ADV	34.3	-22.6	36.59	54	-17.41	-	-	183	193	H
4	*** 5.1497	25.16	ADV	34.3	-22.7	36.76	54	-17.24	-	-	183	193	H

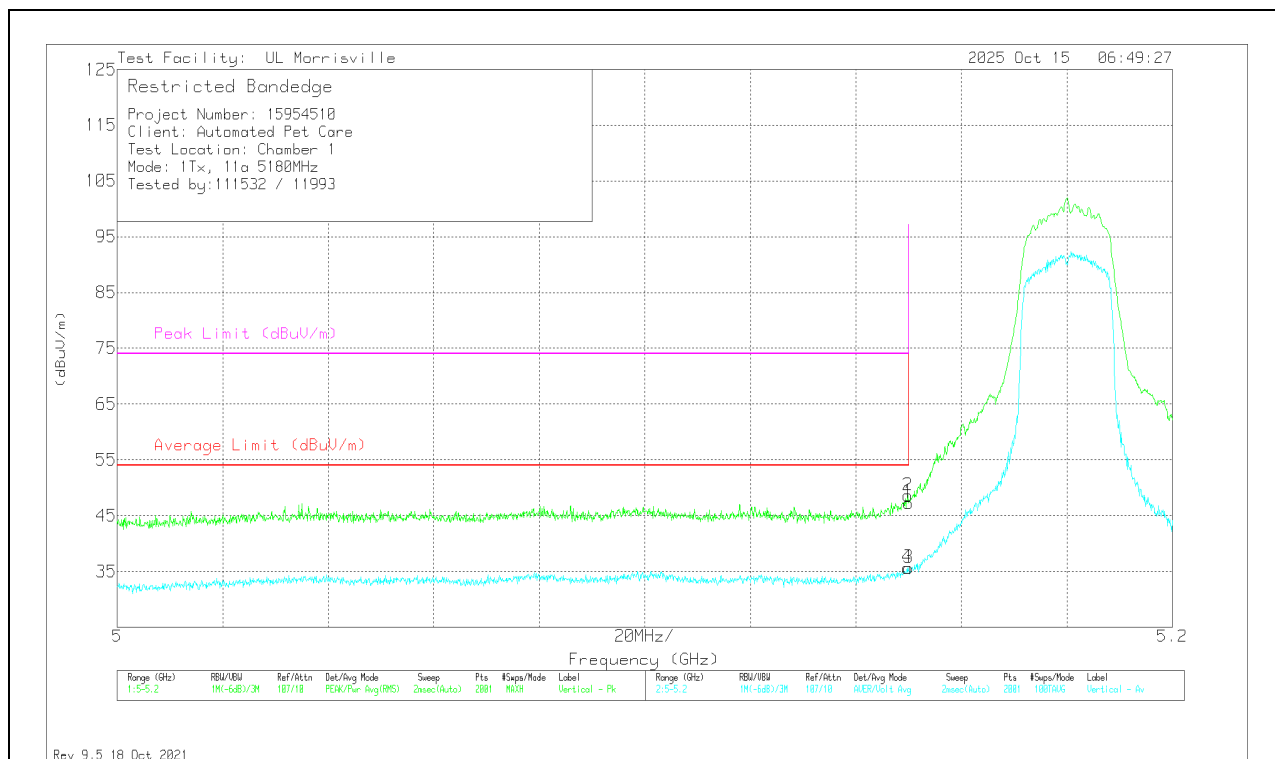
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 5.15	35.57	Pk	34.3	-22.6	0	47.27	-	-	74	-26.73	199	185	V
2	*** 5.1499	36.89	Pk	34.3	-22.6	0	48.59	-	-	74	-25.41	199	185	V
3	*** 5.15	23.91	ADV	34.3	-22.6	0	35.61	54	-18.39	-	-	199	185	V
4	*** 5.1497	24.06	ADV	34.3	-22.7	0	35.66	54	-18.34	-	-	199	185	V

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

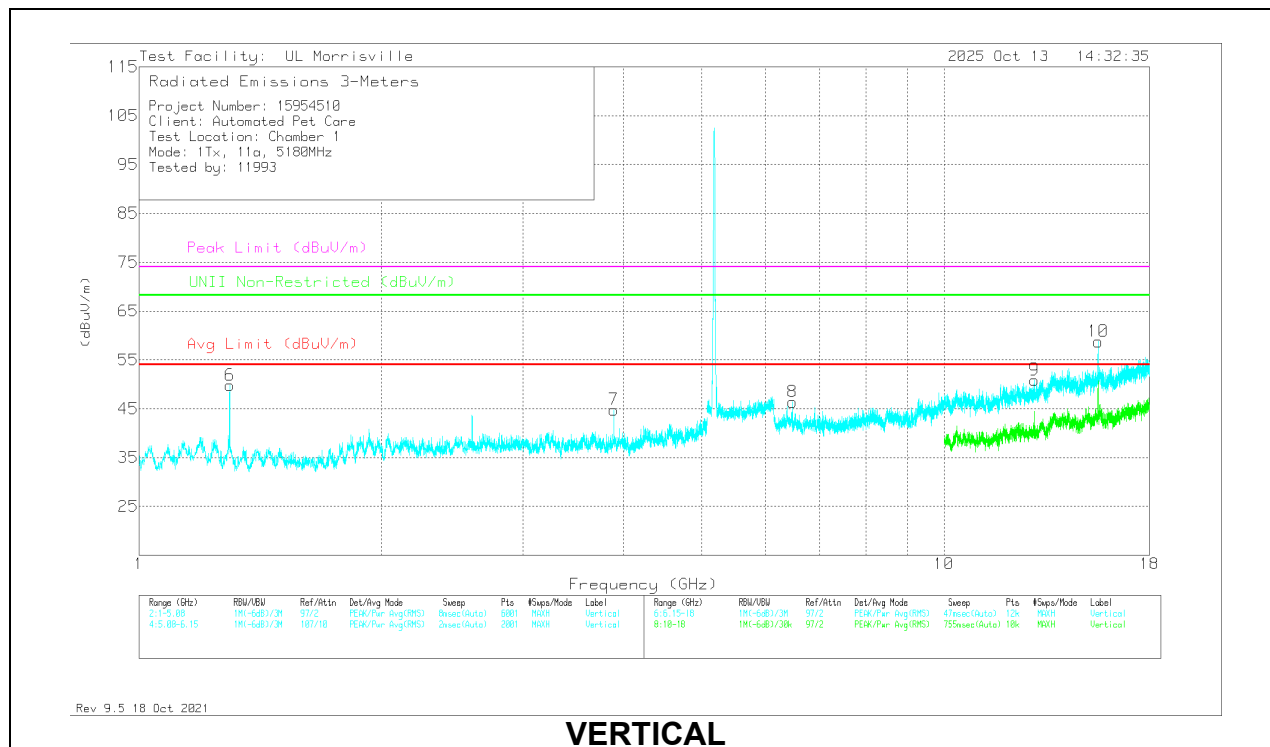
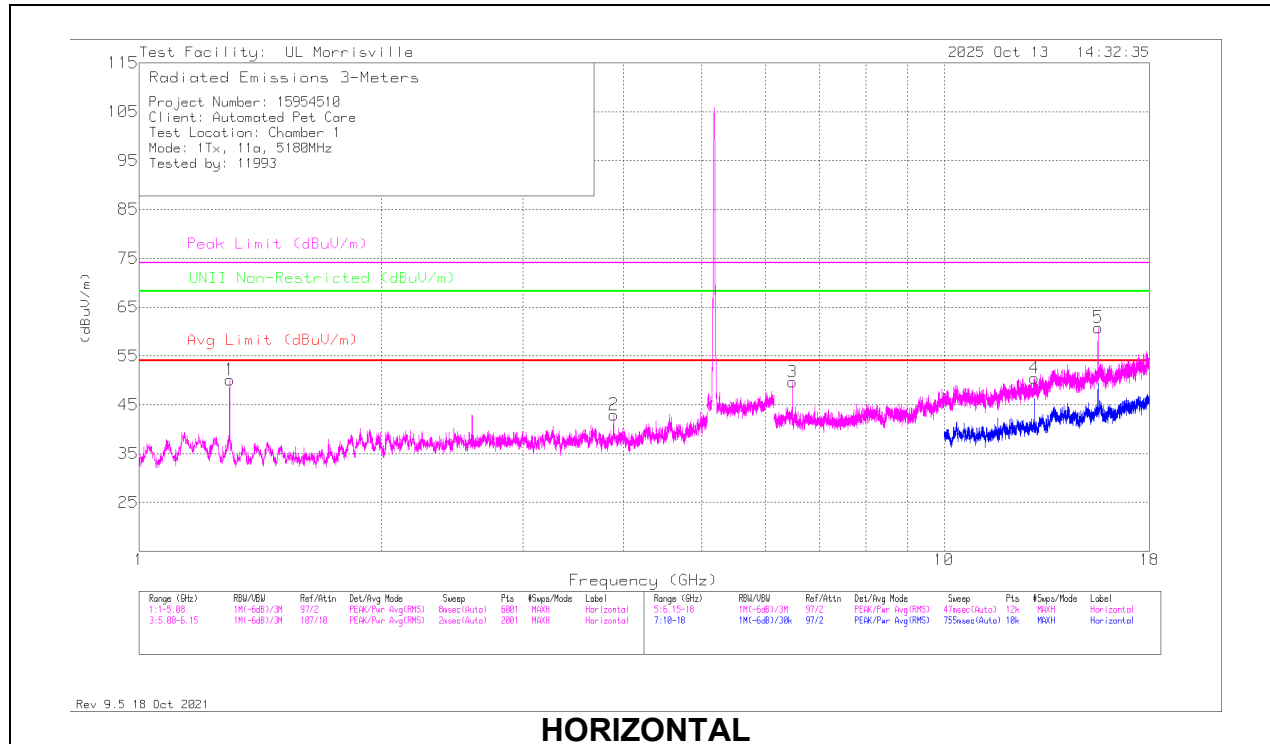
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.29596	67.14	PK-U	29.1	-47.2	49.04	-	-	74	-24.96	-	-	133	394	H
	* 1.29601	64.16	ADV	29.1	-47.2	46.06	54	-7.94	-	-	-	-	133	394	H
2	* 3.88796	55.14	Pk	32.9	-45.1	42.94	54	-11.06	74	-31.06	-	-	0-360	101	H
6	* 1.29603	70.32	PK-U	29.1	-47.2	52.22	-	-	74	-21.78	-	-	85	168	V
	* 1.296	68.12	ADV	29.1	-47.2	50.02	54	-3.98	-	-	-	-	85	168	V
7	* 3.88796	56.99	Pk	32.9	-45.1	44.79	54	-9.21	74	-29.21	-	-	0-360	101	V
5	* 15.5387	59.33	PK-U	40.7	-37.7	62.33	-	-	74	-11.67	-	-	17	203	H
	* 15.53985	45.58	ADV	40.7	-37.7	48.58	54	-5.42	-	-	-	-	17	203	H
10	* 15.53872	60.2	PK-U	40.7	-37.7	63.2	-	-	74	-10.8	-	-	323	306	V
	* 15.53867	46.25	ADV	40.7	-37.7	49.25	54	-4.75	-	-	-	-	323	306	V
3	6.47983	57.57	Pk	35.6	-43.5	49.67	-	-	-	-	68.2	-18.53	0-360	199	H
8	6.47983	54.28	Pk	35.6	-43.5	46.38	-	-	-	-	68.2	-21.82	0-360	200	V
4	12.9598	50.65	Pk	38.8	-39	50.45	-	-	-	-	68.2	-17.75	0-360	101	H
9	12.9598	51.06	Pk	38.8	-39	50.86	-	-	-	-	68.2	-17.34	0-360	200	V

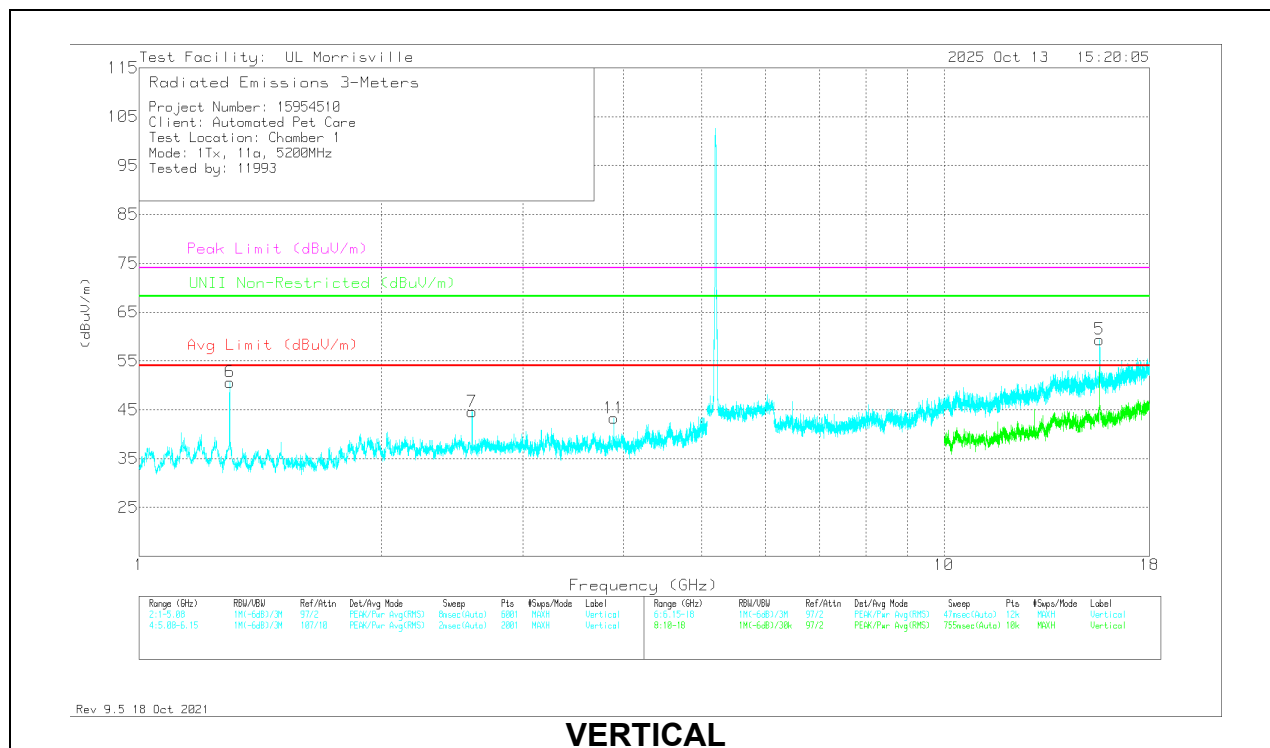
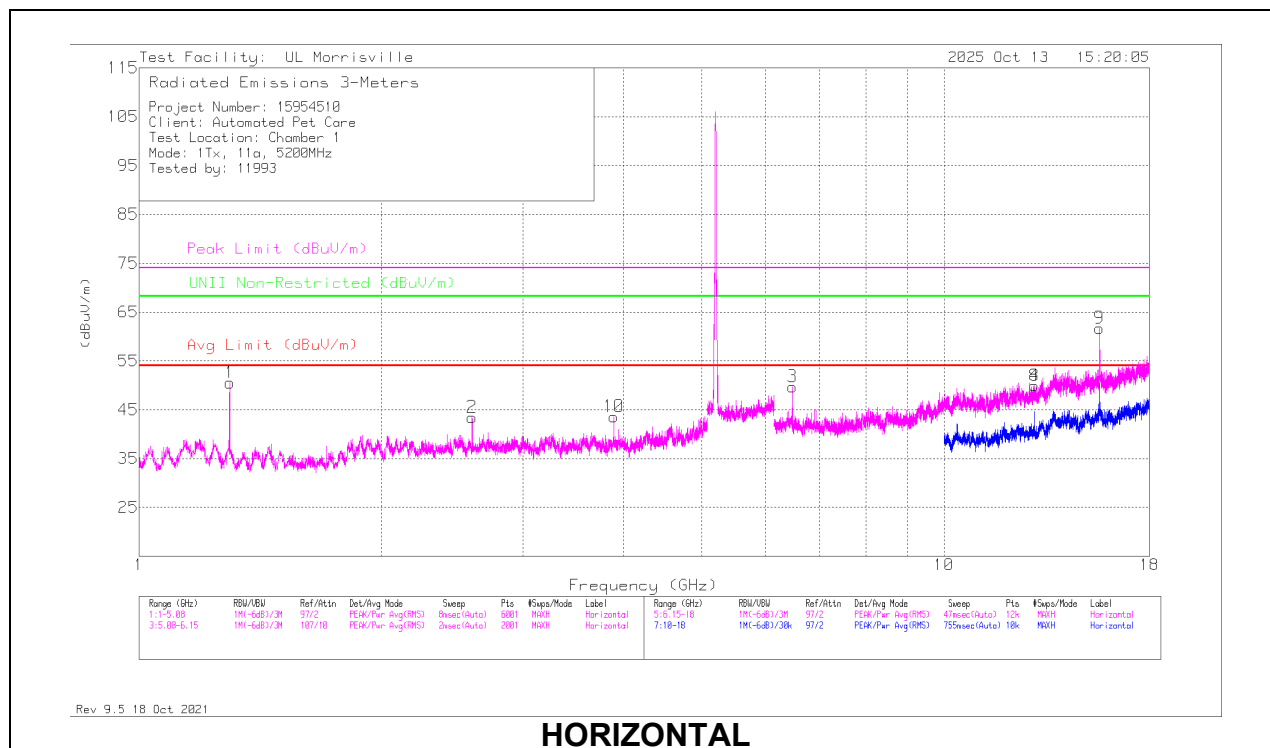
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

PK-U - Maximum Peak

ADV - Linear Voltage Average

MID CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.29594	70	PK-U	29.1	-47.2	51.9	-	-	74	-22.1	-	-	310	222	H
	* 1.296	67.8	ADV	29.1	-47.2	49.7	54	-4.3	-	-	-	-	310	222	H
10	* 3.88864	55.88	Pk	32.9	-45.2	43.58	54	-10.42	74	-30.42	-	-	0-360	200	H
6	* 1.29597	63.7	PK-U	29.1	-47.2	45.6	-	-	74	-28.4	-	-	85	392	V
	* 1.29606	58.16	ADV	29.1	-47.2	40.06	54	-13.94	-	-	-	-	85	392	V
11	* 3.88796	55.46	Pk	32.9	-45.1	43.26	54	-10.74	74	-30.74	-	-	0-360	101	V
9	* 15.60014	59.62	PK-U	40.8	-36.1	64.32	-	-	74	-9.68	-	-	18	199	H
	* 15.60144	46.17	ADV	40.8	-35.9	51.07	54	-2.93	-	-	-	-	18	199	H
5	* 15.59877	59.08	PK-U	40.8	-36.2	63.68	-	-	74	-10.32	-	-	326	201	V
	* 15.60127	45.33	ADV	40.8	-35.9	50.23	54	-3.77	-	-	-	-	326	201	V
2	2.59188	59.25	Pk	32.4	-48.2	43.45	-	-	-	-	68.2	-24.75	0-360	200	H
7	2.59256	60.26	Pk	32.4	-48.1	44.56	-	-	-	-	68.2	-23.64	0-360	101	V
3	6.47983	57.62	Pk	35.6	-43.5	49.72	-	-	-	-	68.2	-18.48	0-360	199	H
4	12.96079	50.11	Pk	38.8	-39	49.91	-	-	-	-	68.2	-18.29	0-360	101	H
8	12.96079	50.11	Pk	38.8	-39	49.91	-	-	-	-	68.2	-18.29	0-360	101	H

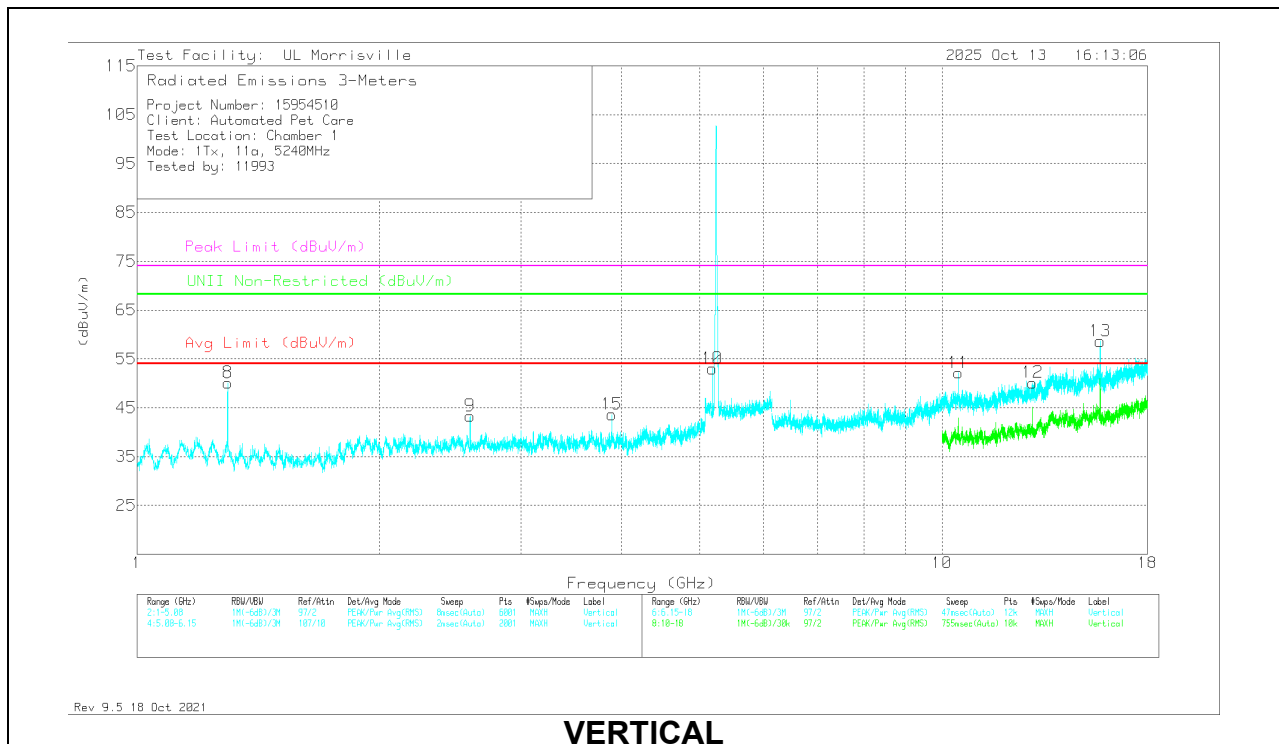
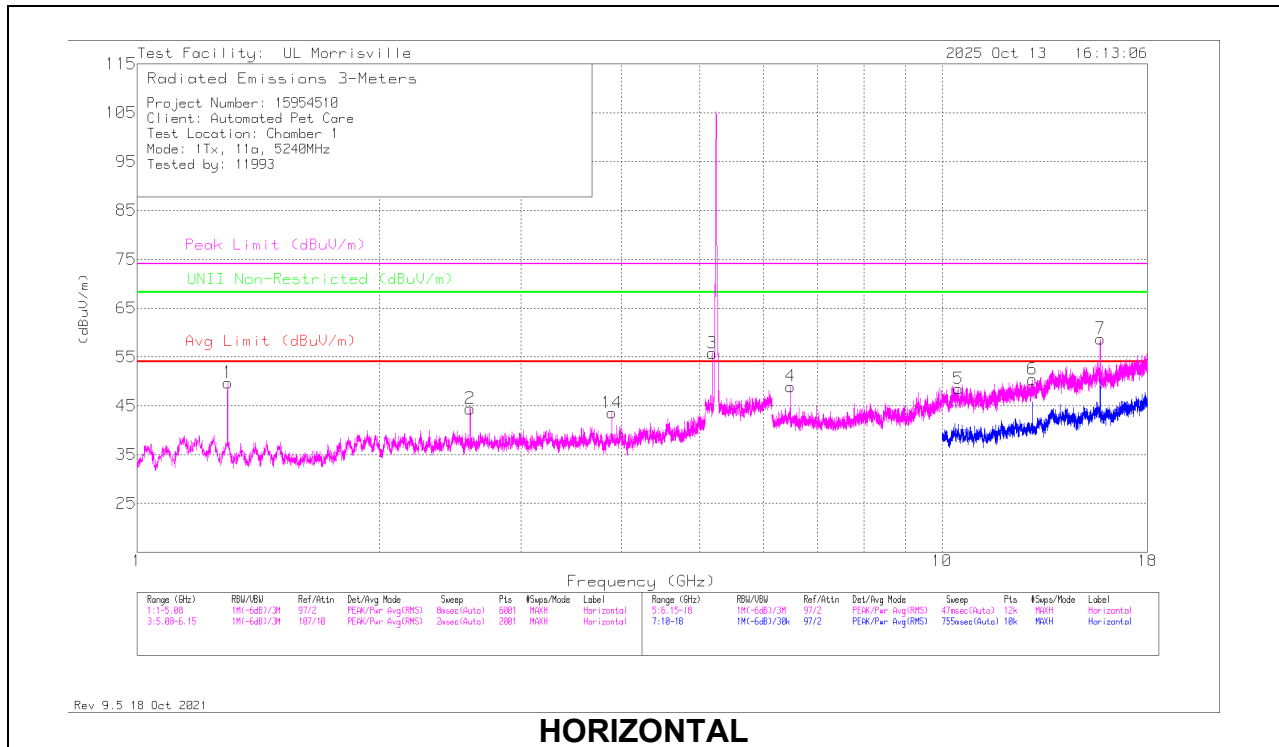
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

PK-U - Maximum Peak

ADV - Linear Voltage Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.29596	70.49	PK-U	29.1	-47.2	52.39	-	-	74	-21.61	-	-	312	230	H
	* 1.29603	68.32	ADV	29.1	-47.2	50.22	54	-3.78	-	-	-	-	312	230	H
14	* 3.88796	55.72	Pk	32.9	-45.1	43.52	54	-10.48	74	-30.48	-	-	0-360	101	H
8	* 1.29601	70.47	PK-U	29.1	-47.2	52.37	-	-	74	-21.63	-	-	83	164	V
	* 1.296	68.34	ADV	29.1	-47.2	50.24	54	-3.76	-	-	-	-	83	164	V
15	* 3.88864	55.92	Pk	32.9	-45.2	43.62	54	-10.38	74	-30.38	-	-	0-360	101	V
7	* 15.71762	59.14	PK-U	40.9	-37.1	62.94	-	-	74	-11.06	-	-	14	209	H
	* 15.72137	45.52	ADV	40.9	-37.3	49.12	54	-4.88	-	-	-	-	14	209	H
13	* 15.72561	58.4	PK-U	40.9	-37.3	62	-	-	74	-12	-	-	351	302	V
	* 15.72131	44.37	ADV	40.9	-37.3	47.97	54	-6.03	-	-	-	-	351	302	V
2	2.59188	60.22	Pk	32.4	-48.2	44.42	-	-	-	-	68.2	-23.78	0-360	199	H
9	2.59256	59.02	Pk	32.4	-48.1	43.32	-	-	-	-	68.2	-24.88	0-360	101	V
3	5.18379	45.15	Pk	34.3	-23.7	55.75	-	-	-	-	68.2	-12.45	0-360	101	H
10	5.18379	42.41	Pk	34.3	-23.7	53.01	-	-	-	-	68.2	-15.19	0-360	200	V
4	6.47983	56.85	Pk	35.6	-43.5	48.95	-	-	-	-	68.2	-19.25	0-360	101	H
11	10.4792	54.63	Pk	38	-40.5	52.13	-	-	-	-	68.2	-16.07	0-360	200	V
5	10.48118	50.99	Pk	38	-40.5	48.49	-	-	-	-	68.2	-19.71	0-360	199	H
6	12.9598	50.6	Pk	38.8	-39	50.4	-	-	-	-	68.2	-17.8	0-360	101	H
12	12.9598	50.32	Pk	38.8	-39	50.12	-	-	-	-	68.2	-18.08	0-360	200	V

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

Pk - Peak detector

PK-U - Maximum Peak

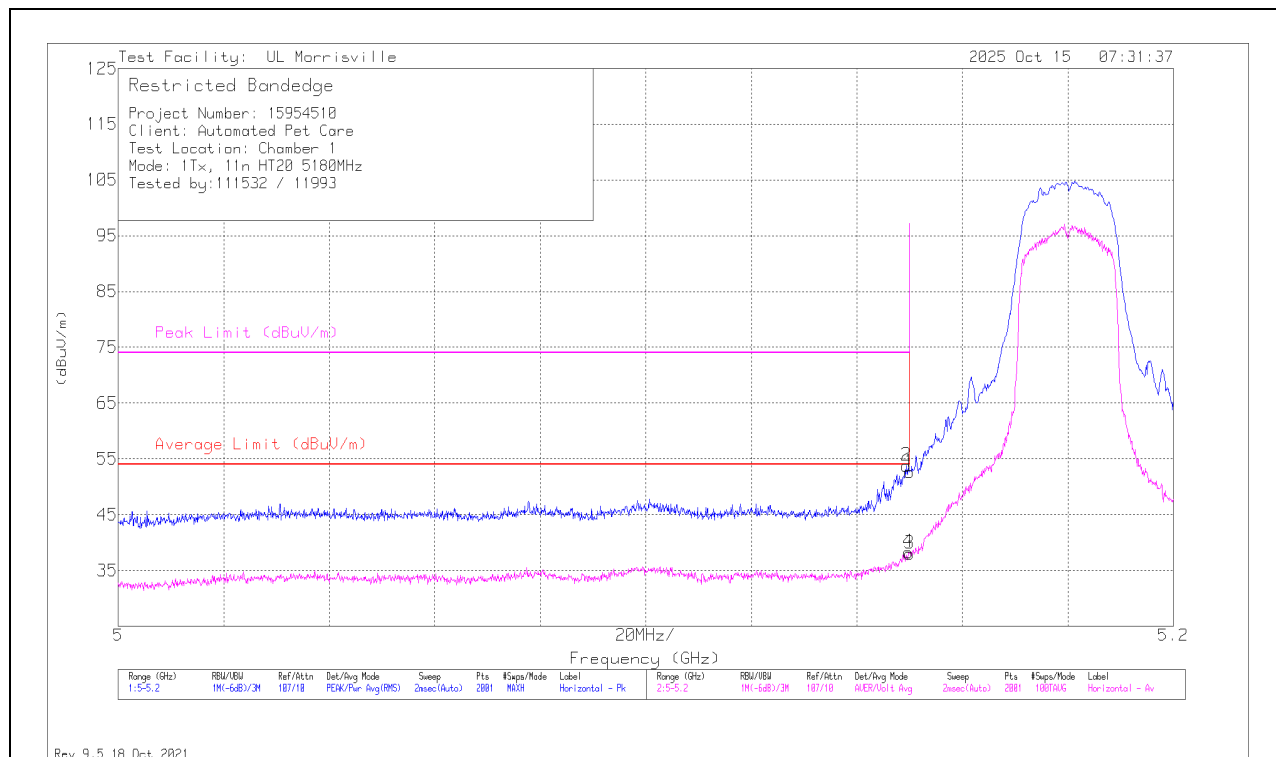
ADV - Linear Voltage Average

10.1.2. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.2 GHz BAND

1TX Antenna 1 MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 5.15	40.92	Pk	34.3	-22.6	0	52.62	-	-	74	-21.38	40	276	H
2	*** 5.1494	42.19	Pk	34.3	-22.7	0	53.79	-	-	74	-20.21	40	276	H
3	*** 5.15	26.32	ADV	34.3	-22.6	0	38.02	54	-15.98	-	-	40	276	H
4	*** 5.1498	26.53	ADV	34.3	-22.6	0	38.23	54	-15.77	-	-	40	276	H

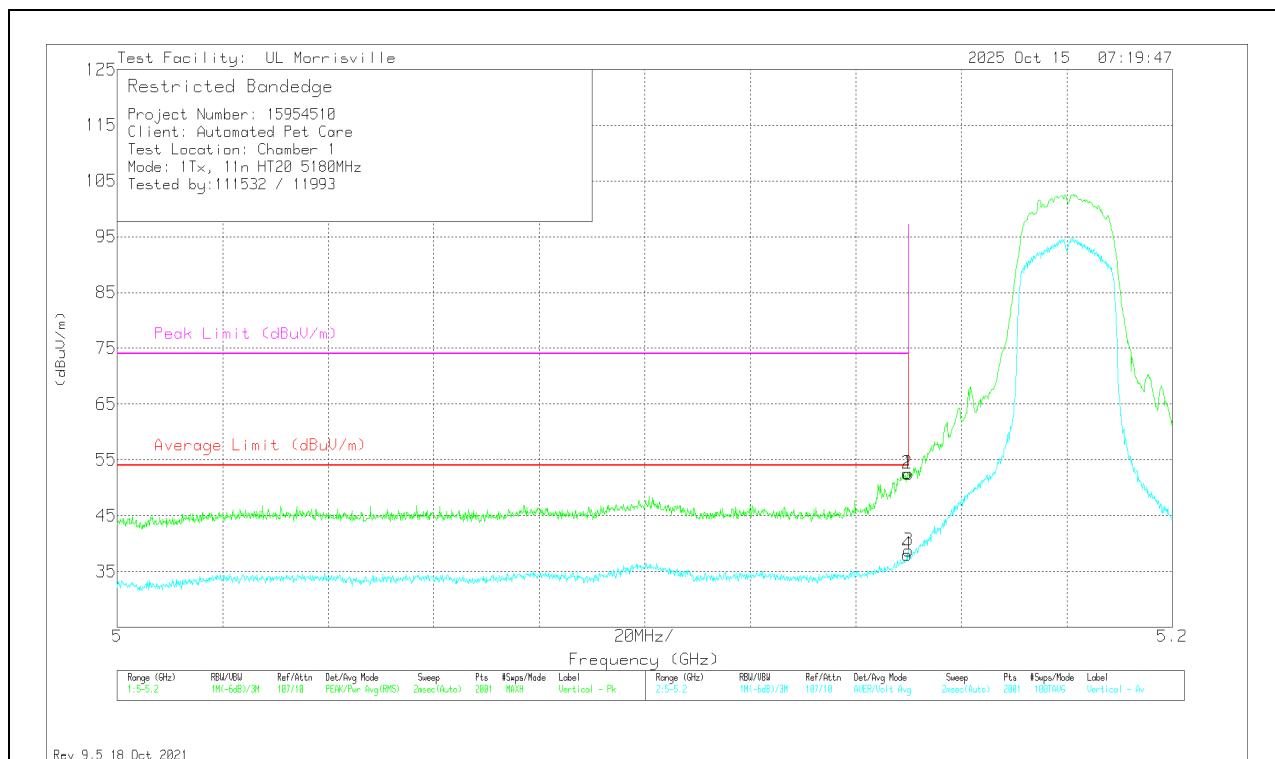
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 5.15	40.79	Pk	34.3	-22.6	0	52.49	-	-	74	-21.51	295	222	V
2	*** 5.1498	40.89	Pk	34.3	-22.6	0	52.59	-	-	74	-21.41	295	222	V
3	*** 5.15	27.01	ADV	34.3	-22.6	0	38.71	54	-15.29	-	-	295	222	V
4	*** 5.1497	26.37	ADV	34.3	-22.7	0	37.97	54	-16.03	-	-	295	222	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

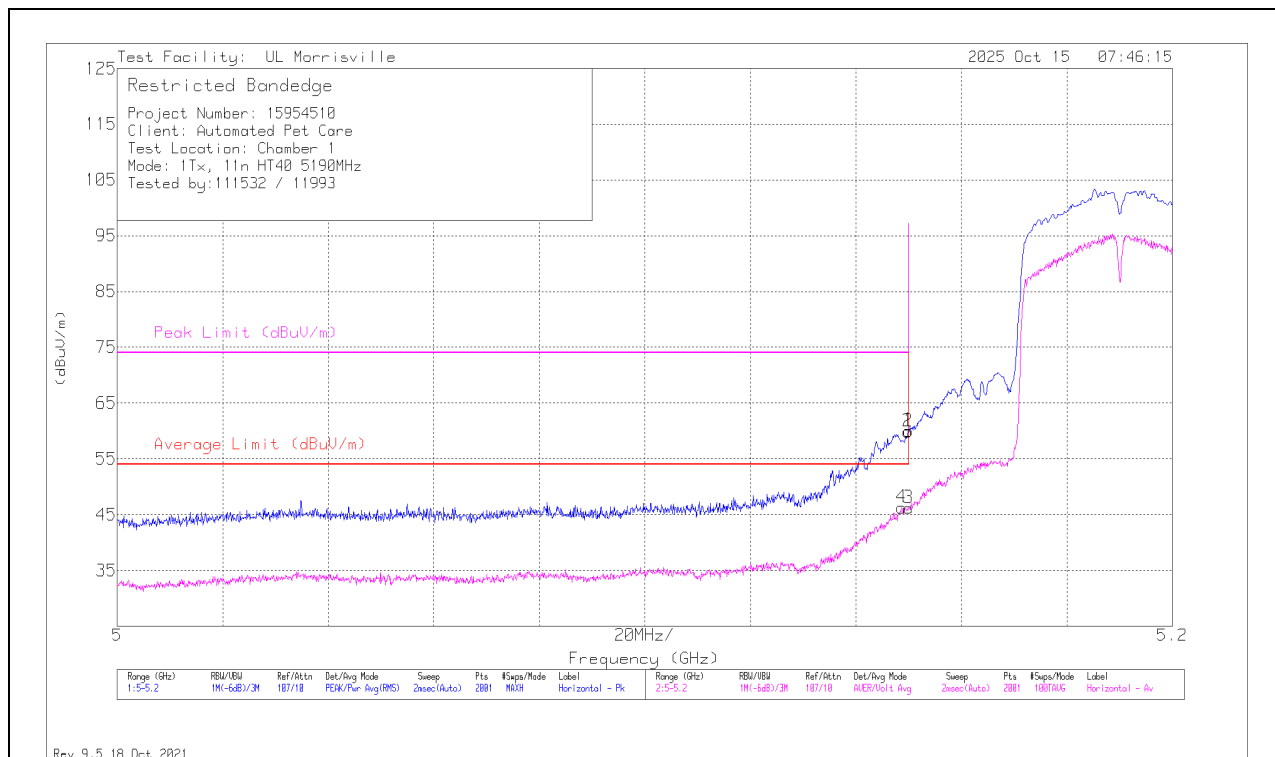
ADV - Linear Voltage Average

10.1.3. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.2 GHz BAND

1TX Antenna 1 MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 5.15	48.35	Pk	34.3	-22.6	0	60.05	-	-	74	-13.95	46	280	H
2	*** 5.1499	48.17	Pk	34.3	-22.6	0	59.87	-	-	74	-14.13	46	280	H
3	*** 5.15	34.5	ADV	34.3	-22.6	0	46.2	54	-7.8	-	-	46	280	H
4	*** 5.1487	34.71	ADV	34.3	-22.7	0	46.31	54	-7.69	-	-	46	280	H

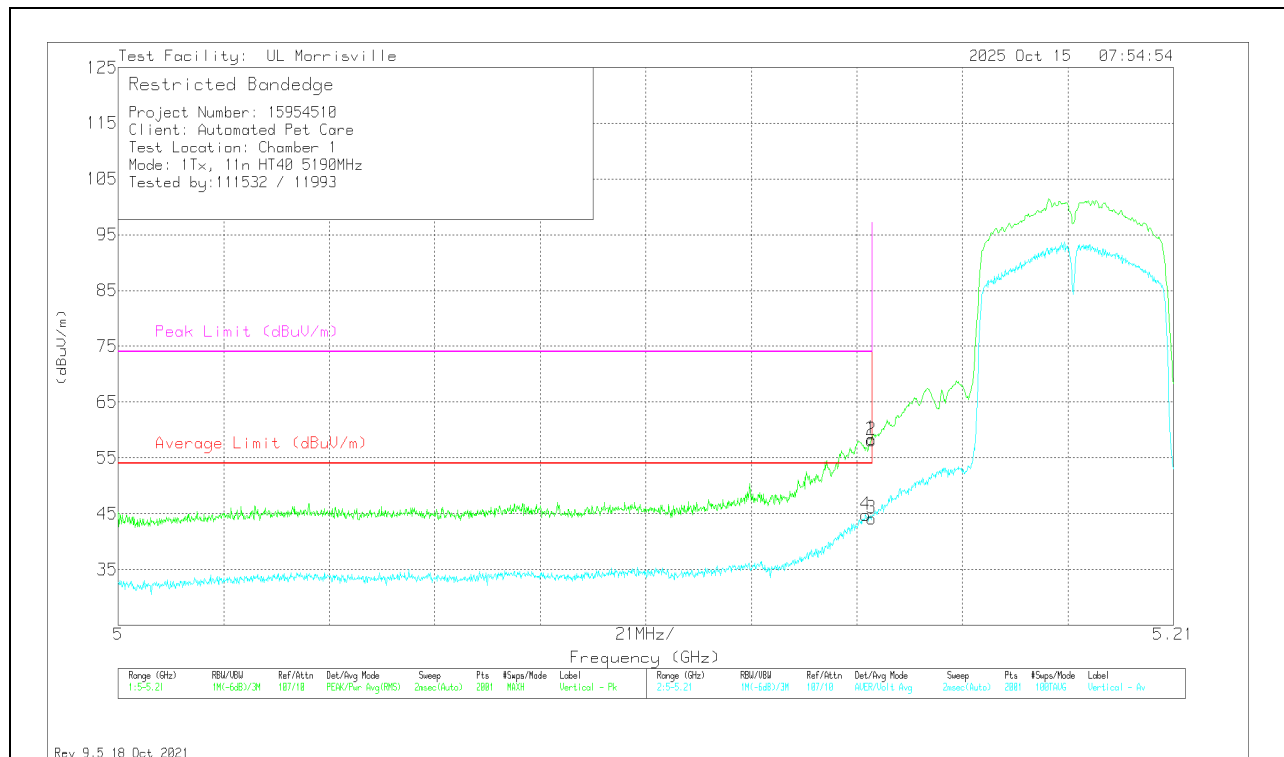
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 5.14994	46.74	Pk	34.3	-22.6	0	58.44	-	-	74	-15.56	344	274	V
2	*** 5.14984	46.46	Pk	34.3	-22.6	0	58.16	-	-	74	-15.84	344	274	V
3	*** 5.14994	32.41	ADV	34.3	-22.6	0	44.11	54	-9.89	-	-	344	274	V
4	*** 5.14879	33.2	ADV	34.3	-22.7	0	44.8	54	-9.2	-	-	344	274	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

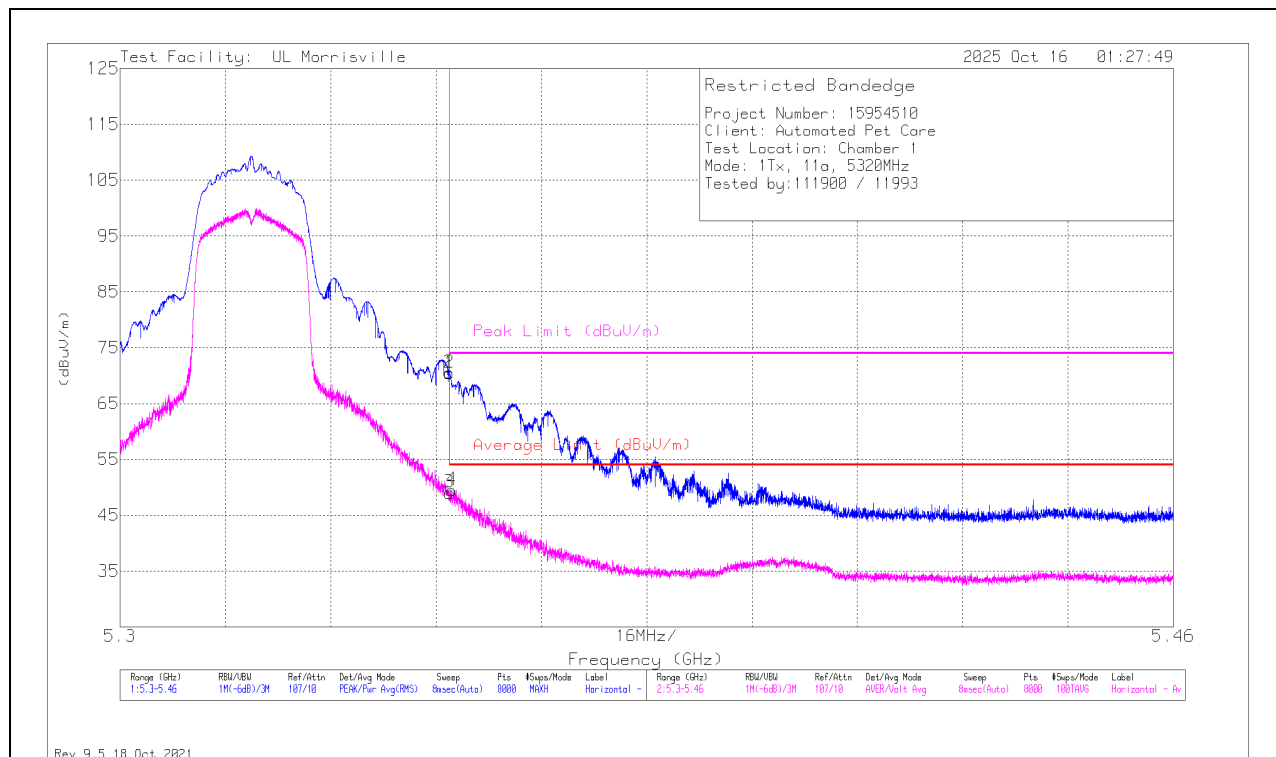
ADV - Linear Voltage Average

10.1.4. TX ABOVE 1 GHz 802.11a MODE IN THE 5.3 GHz BAND

1TX Antenna 1 MODE

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.35001	59.6	Pk	34.3	-23.5	0	70.4	-	-	74	-3.6	60	180	H
2	* ** 5.35005	59.72	Pk	34.3	-23.5	0	70.52	-	-	74	-3.48	60	180	H
3	* ** 5.35001	38.25	ADV	34.3	-23.5	0	49.05	54	-4.95	-	-	60	180	H
4	* ** 5.35041	38.68	ADV	34.3	-23.5	0	49.48	54	-4.52	-	-	60	180	H

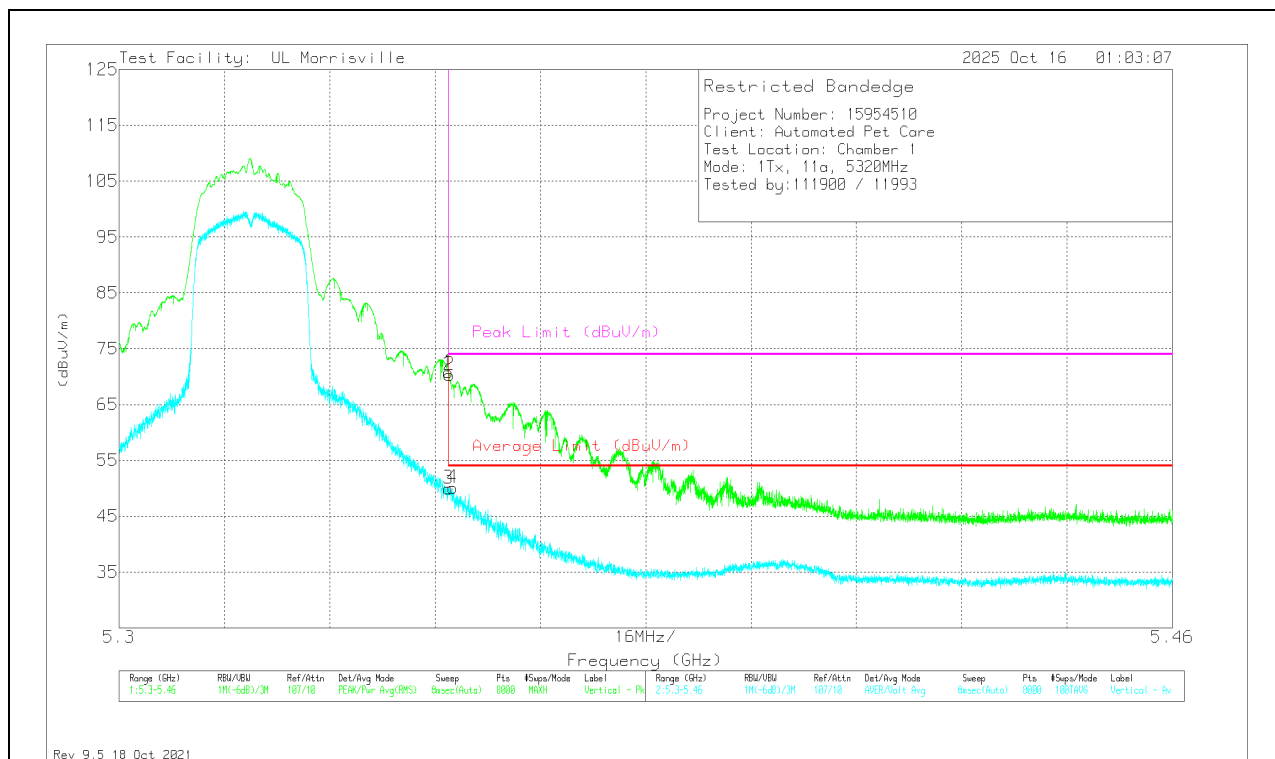
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 5.35001	59.96	Pk	34.3	-23.5	0	70.76	-	-	74	-3.24	341	304	V
2	*** 5.35017	59.51	Pk	34.3	-23.5	0	70.31	-	-	74	-3.69	341	304	V
3	*** 5.35001	39.19	ADV	34.3	-23.5	0	49.99	54	-4.01	-	-	341	304	V
4	*** 5.35069	39.29	ADV	34.3	-23.5	0	50.09	54	-3.91	-	-	341	304	V

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

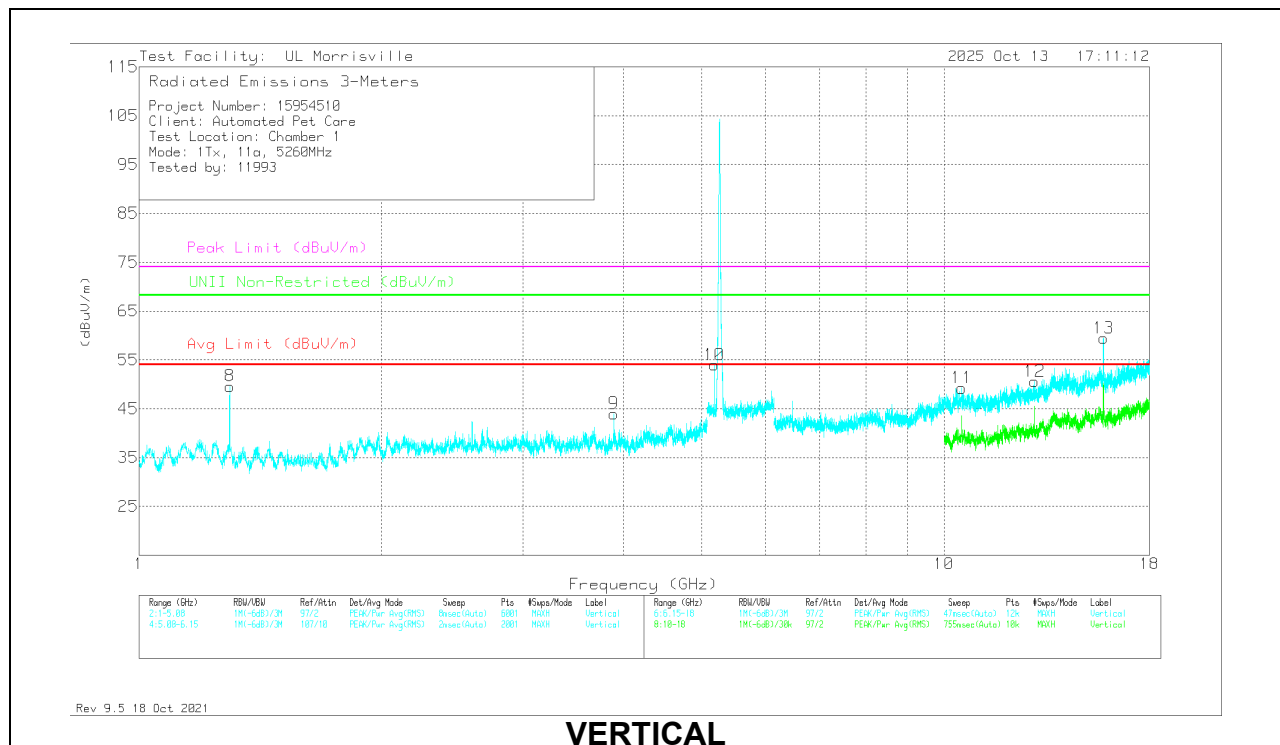
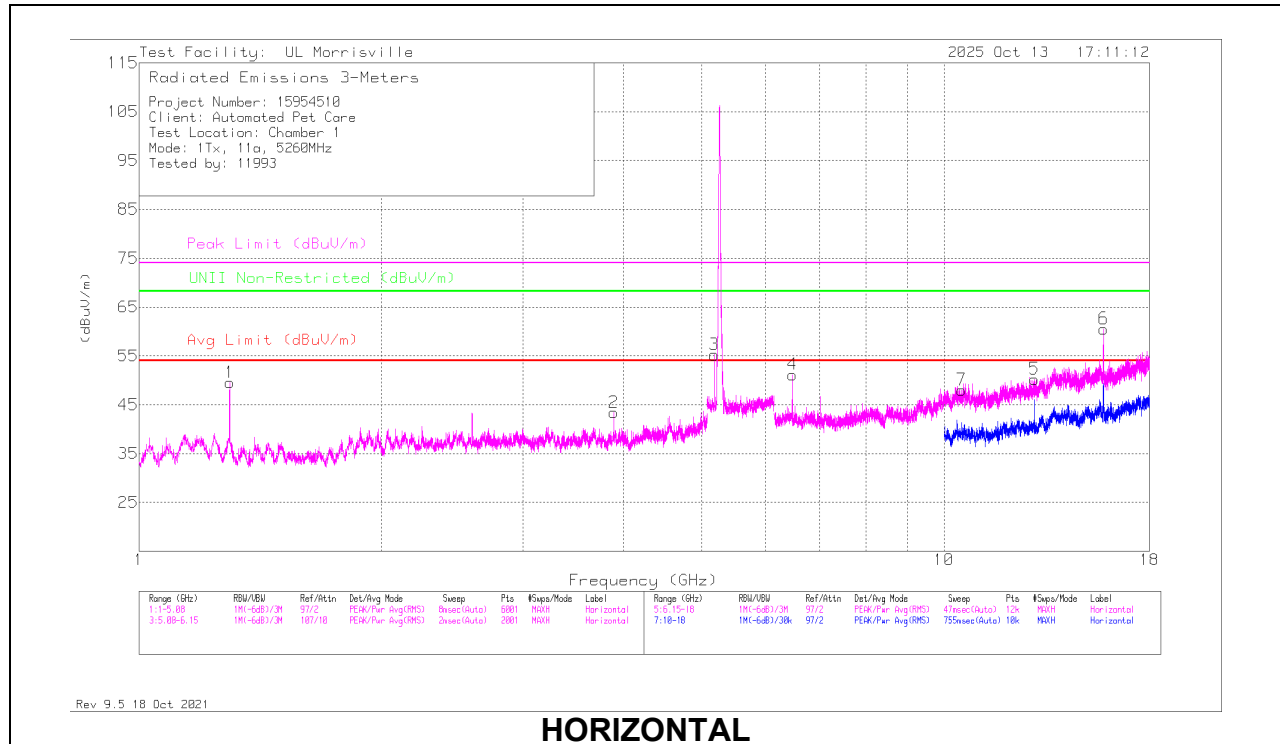
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS

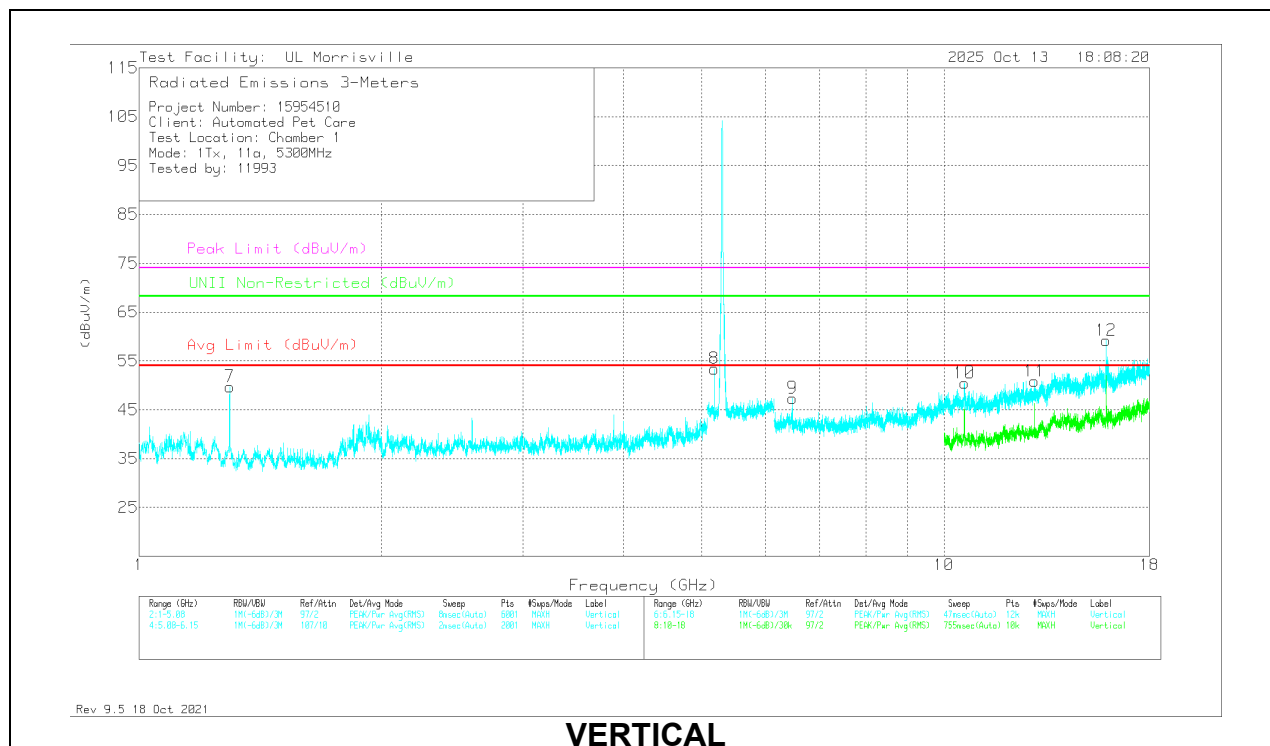
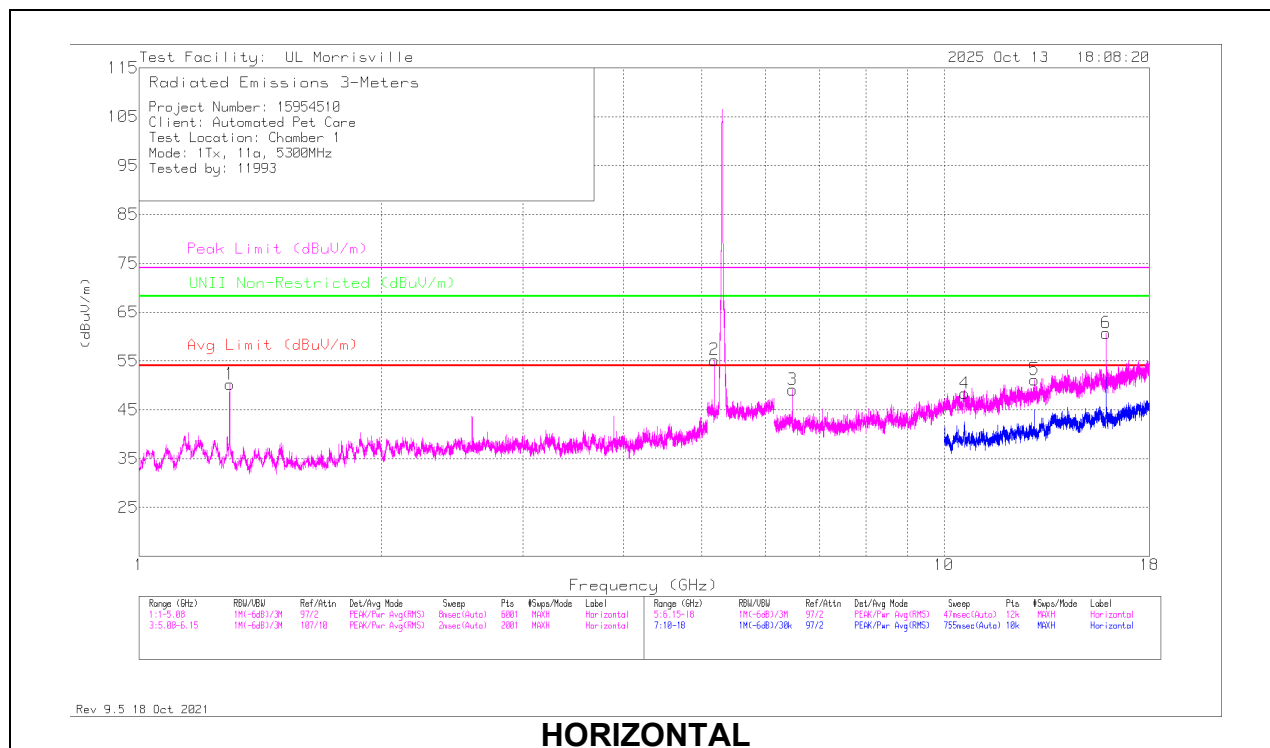


RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.29602	70.03	PK-U	29.1	-47.2	51.93	-	-	74	-22.07	-	-	317	233	H
	* 1.29602	67.81	ADV	29.1	-47.2	49.71	54	-4.29	-	-	-	-	317	233	H
2	* 3.88796	55.61	Pk	32.9	-45.1	43.41	54	-10.59	74	-30.59	-	-	0-360	101	H
8	* 1.296	70.11	PK-U	29.1	-47.2	52.01	-	-	74	-21.99	-	-	86	171	V
	* 1.29601	68.1	ADV	29.1	-47.2	50	54	-4	-	-	-	-	86	171	V
9	* 3.88796	56.15	Pk	32.9	-45.1	43.95	54	-10.05	74	-30.05	-	-	0-360	101	V
6	* 15.77882	61.61	PK-U	40.8	-37.5	64.91	-	-	74	-9.09	-	-	15	200	H
	* 15.78007	47.71	ADV	40.8	-37.6	50.91	54	-3.09	-	-	-	-	15	200	H
13	* 15.78625	58.86	PK-U	40.8	-38	61.66	-	-	74	-12.34	-	-	298	180	V
	* 15.78155	44.99	ADV	40.8	-37.7	48.09	54	-5.91	-	-	-	-	298	180	V
3	5.18379	44.63	Pk	34.3	-23.7	55.23	-	-	-	-	68.2	-12.97	0-360	101	H
10	5.18379	43.35	Pk	34.3	-23.7	53.95	-	-	-	-	68.2	-14.25	0-360	200	V
4	6.47983	59.07	Pk	35.6	-43.5	51.17	-	-	-	-	68.2	-17.03	0-360	200	H
7	10.52364	51.43	Pk	38	-41.4	48.03	-	-	-	-	68.2	-20.17	0-360	200	H
11	10.52364	52.64	Pk	38	-41.4	49.24	-	-	-	-	68.2	-18.96	0-360	200	V
5	12.9598	50.44	Pk	38.8	-39	50.24	-	-	-	-	68.2	-17.96	0-360	101	H
12	12.96079	50.78	Pk	38.8	-39	50.58	-	-	-	-	68.2	-17.62	0-360	101	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
PK-U - Maximum Peak
ADV - Linear Voltage Average

MID CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.29601	69.93	PK-U	29.1	-47.2	51.83	-	-	74	-22.17	-	-	316	224	H
	* 1.29601	67.77	ADV	29.1	-47.2	49.67	54	-4.33	-	-	-	-	316	224	H
7	* 1.296	70.63	PK-U	29.1	-47.2	52.53	-	-	74	-21.47	-	-	83	169	V
	* 1.29601	68.62	ADV	29.1	-47.2	50.52	54	-3.48	-	-	-	-	83	169	V
4	* 10.60386	54.03	PK-U	38	-39.6	52.43	-	-	74	-21.57	-	-	34	393	H
	* 10.60372	42.06	ADV	38	-39.6	40.46	54	-13.54	-	-	-	-	34	393	H
6	* 15.90114	58.86	PK-U	40.7	-38.4	61.16	-	-	74	-12.84	-	-	66	102	H
	* 15.90444	45.42	ADV	40.7	-38.3	47.82	54	-6.18	-	-	-	-	66	102	H
10	* 10.60099	58.06	PK-U	38	-39.7	56.36	-	-	74	-17.64	-	-	337	205	V
	* 10.60173	45.2	ADV	38	-39.7	43.5	54	-10.5	-	-	-	-	337	205	V
12	* 15.89492	58.61	PK-U	40.7	-38.7	60.61	-	-	74	-13.39	-	-	303	117	V
	* 15.90151	44.68	ADV	40.7	-38.4	46.98	54	-7.02	-	-	-	-	303	117	V
2	5.18379	44.61	Pk	34.3	-23.7	55.21	-	-	-	-	68.2	-12.99	0-360	101	H
8	5.18379	42.8	Pk	34.3	-23.7	53.4	-	-	-	-	68.2	-14.8	0-360	200	V
3	6.47983	57.01	Pk	35.6	-43.5	49.11	-	-	-	-	68.2	-19.09	0-360	200	H
9	6.47983	55.26	Pk	35.6	-43.5	47.36	-	-	-	-	68.2	-20.84	0-360	200	V
5	12.9598	51.36	Pk	38.8	-39	51.16	-	-	-	-	68.2	-17.04	0-360	101	H
11	12.96079	51.02	Pk	38.8	-39	50.82	-	-	-	-	68.2	-17.38	0-360	101	V

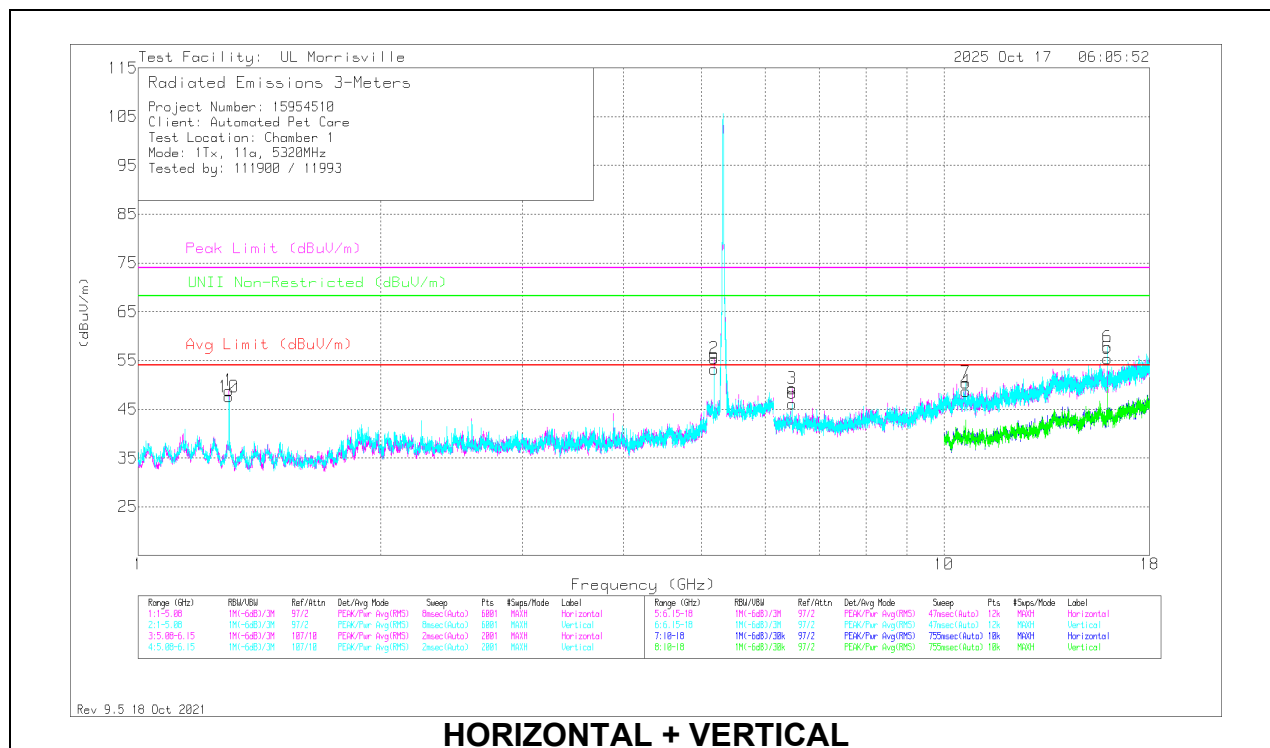
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

PK-U - Maximum Peak

ADV - Linear Voltage Average

HIGH CHANNEL RESULTS



HORIZONTAL + VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.29602	70.68	PK-U	29.1	-47.2	52.58	-	-	74	-21.42	-	-	114	249	H
	* 1.29599	68.68	ADV	29.1	-47.2	50.58	54	-3.42	-	-	-	-	114	249	H
10	* 1.2958	65.65	Pk	29.1	-47.2	47.55	54	-6.45	74	-26.45	-	-	0-360	101	V
2	** 5.18379	44.74	Pk	34.3	-23.7	55.34	-	-	-	-	68.2	-12.86	0-360	101	H
9	** 5.18379	42.59	Pk	34.3	-23.7	53.19	-	-	-	-	68.2	-15.01	0-360	200	V
4	*** 10.64442	53.77	PK-U	38	-39.8	51.97	-	-	74	-22.03	-	-	2	300	H
	*** 10.64409	40.72	ADV	38	-39.9	38.82	54	-15.18	-	-	-	-	2	300	H
5	*** 15.96105	57.35	PK-U	40.7	-38.4	59.65	-	-	74	-14.35	-	-	329	200	H
	*** 15.96092	43.87	ADV	40.7	-38.4	46.17	54	-7.83	-	-	-	-	329	200	H
6	*** 15.95876	58.16	PK-U	40.7	-38.3	60.56	-	-	74	-13.44	-	-	91	176	V
	*** 15.95948	44.17	ADV	40.7	-38.3	46.57	54	-7.43	-	-	-	-	91	176	V
7	*** 10.6438	55.72	PK-U	38	-39.9	53.82	-	-	74	-20.18	-	-	335	232	V
	*** 10.64156	43.3	ADV	38	-40	41.3	54	-12.7	-	-	-	-	335	232	V
3	6.47983	57.12	Pk	35.6	-43.5	49.22	-	-	-	-	68.2	-18.98	0-360	199	H
8	6.47983	54.1	Pk	35.6	-43.5	46.2	-	-	-	-	68.2	-22	0-360	101	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK-U - Maximum Peak

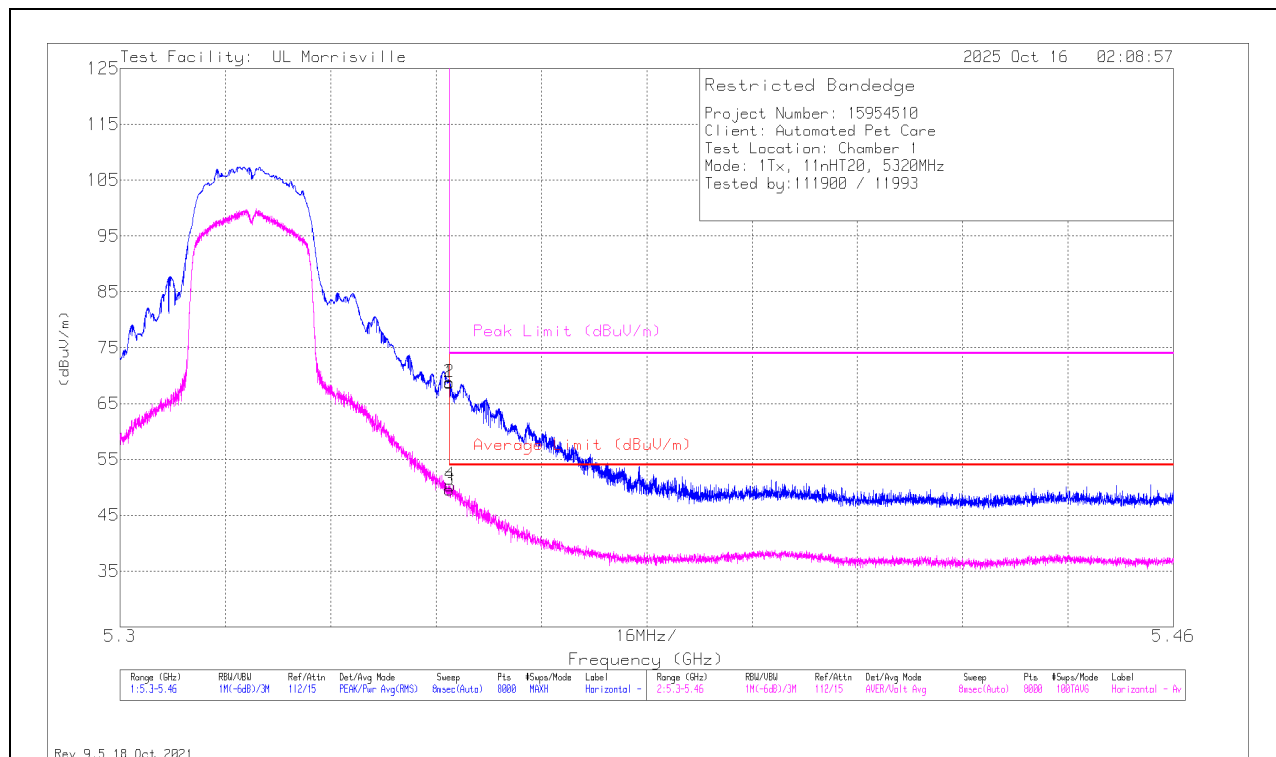
ADV - Linear Voltage Average

10.1.5. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.3 GHz BAND

1TX Antenna 1 MODE

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.35001	57.92	Pk	34.3	-23.5	0	68.72	-	-	74	-5.28	56	180	H
2	* ** 5.35003	58.02	Pk	34.3	-23.5	0	68.82	-	-	74	-5.18	56	180	H
3	* ** 5.35001	38.76	ADV	34.3	-23.5	0	49.56	54	-4.44	-	-	56	180	H
4	* ** 5.35015	39.56	ADV	34.3	-23.5	0	50.36	54	-3.64	-	-	56	180	H

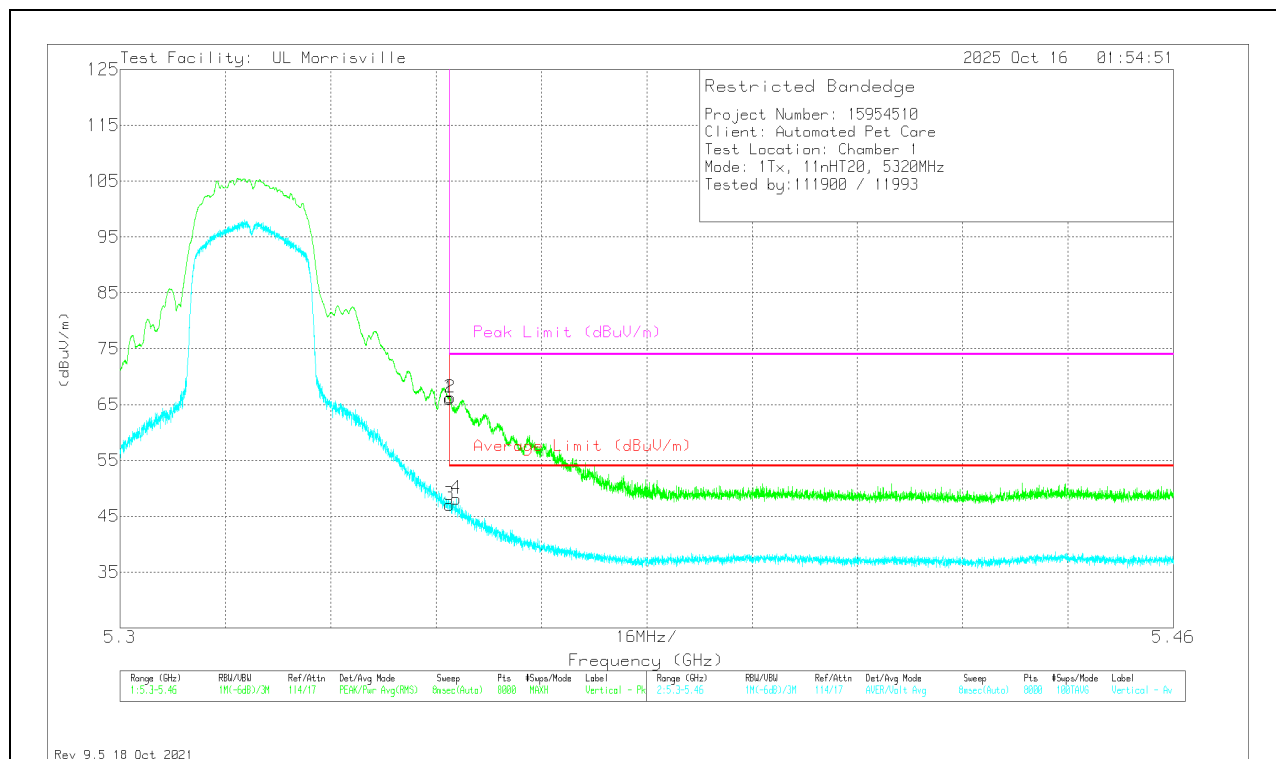
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 5.35001	55.31	Pk	34.3	-23.5	0	66.11	-	-	74	-7.89	344	308	V
2	*** 5.35015	55.45	Pk	34.3	-23.5	0	66.25	-	-	74	-7.75	344	308	V
3	*** 5.35001	36.27	ADV	34.3	-23.5	0	47.07	54	-6.93	-	-	344	308	V
4	*** 5.35107	37.27	ADV	34.3	-23.4	0	48.17	54	-5.83	-	-	344	308	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

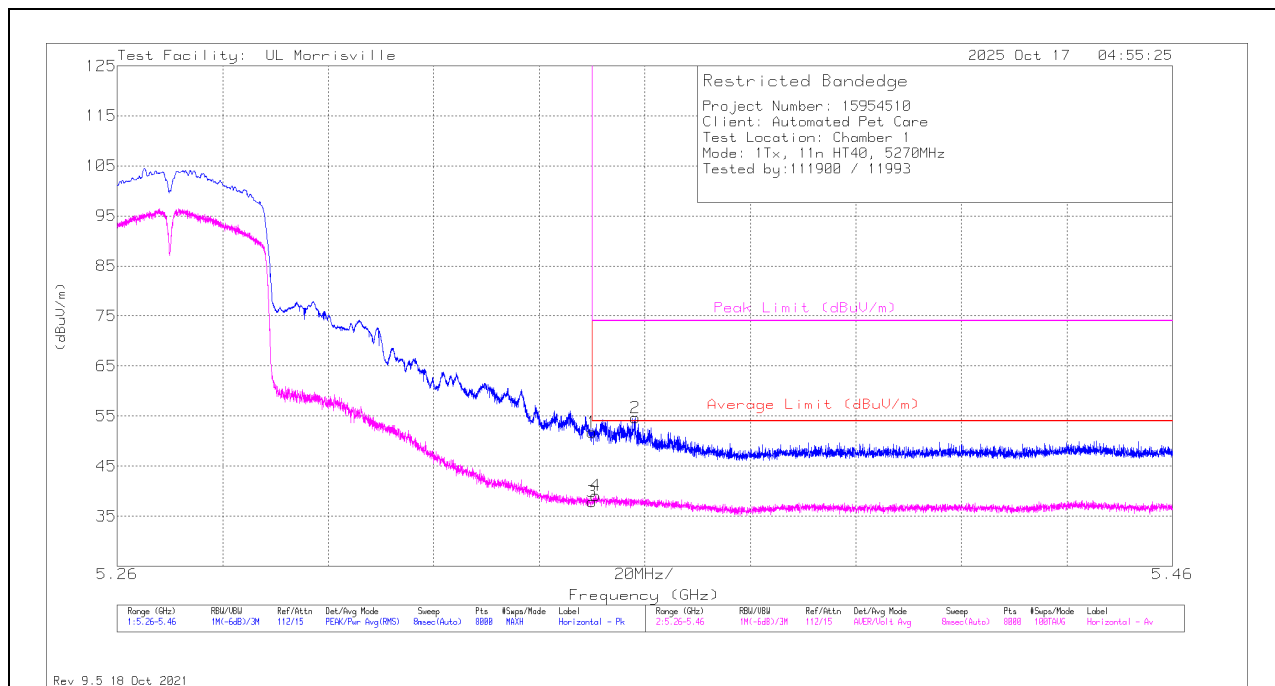
ADV - Linear Voltage Average

10.1.6. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.3 GHz BAND

1TX Antenna 1 MODE

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.35001	40.99	Pk	34.3	-23.5	0	51.79	-	-	74	-22.21	62	260	H
2	* ** 5.35816	43.53	Pk	34.3	-23.2	0	54.63	-	-	74	-19.37	62	260	H
3	* ** 5.35001	27.12	ADV	34.3	-23.5	0	37.92	54	-16.08	-	-	62	260	H
4	* ** 5.35066	28.33	ADV	34.3	-23.5	0	39.13	54	-14.87	-	-	62	260	H

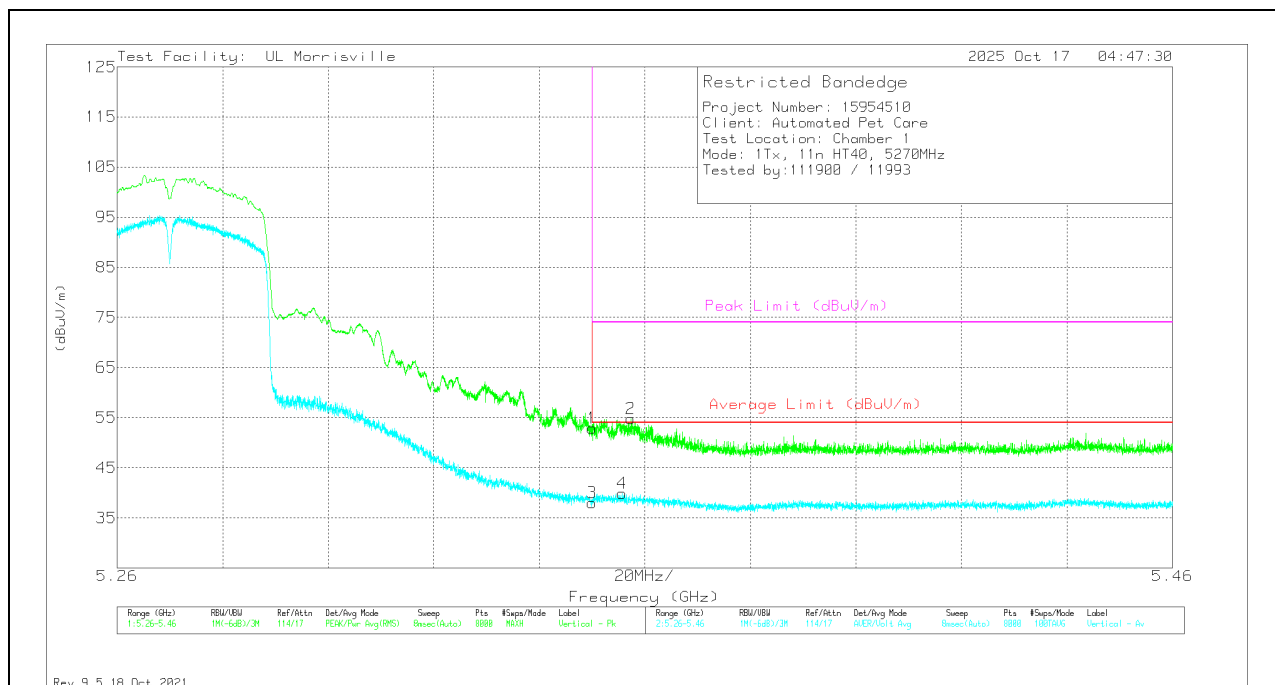
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 5.35001	42.11	Pk	34.3	-23.5	0	52.91	-	-	74	-21.09	314	175	V
2	*** 5.35731	43.66	Pk	34.3	-23.2	0	54.76	-	-	74	-19.24	314	175	V
3	*** 5.35001	27.19	ADV	34.3	-23.5	0	37.99	54	-16.01	-	-	314	175	V
4	*** 5.35574	28.9	ADV	34.3	-23.3	0	39.9	54	-14.1	-	-	314	175	V

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

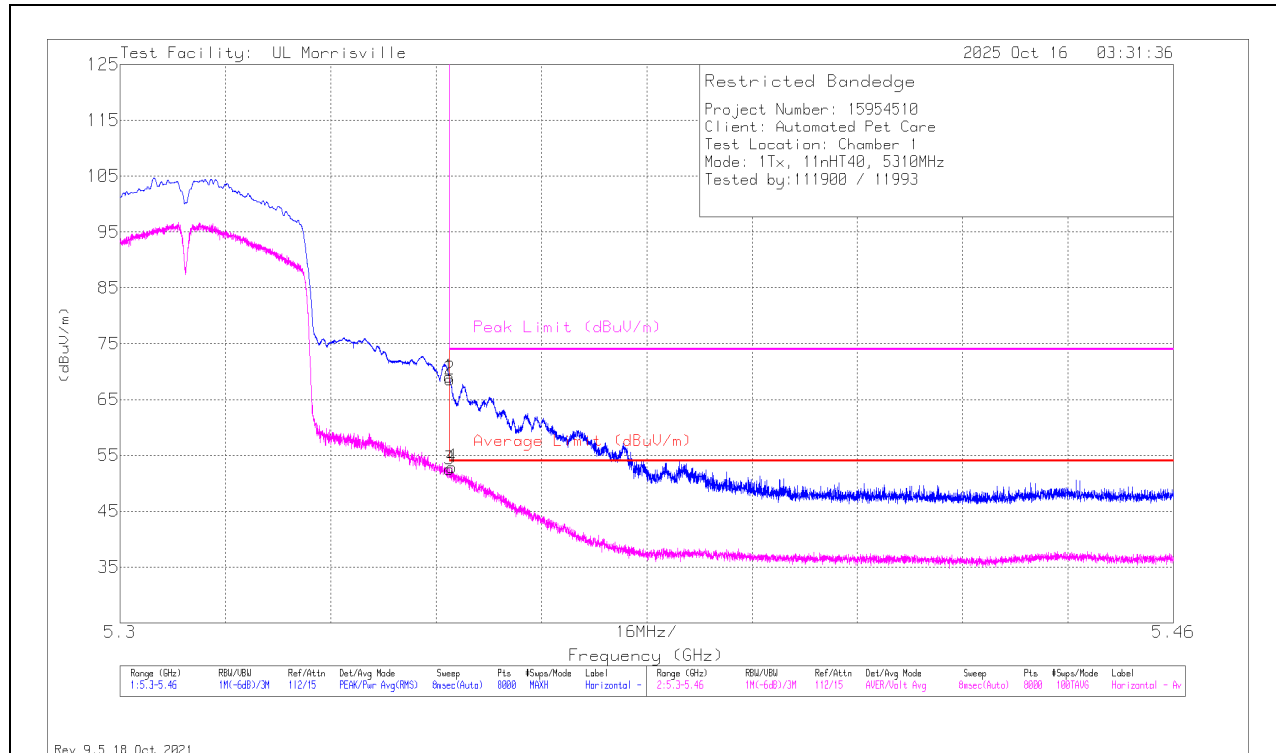
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.35001	58.27	Pk	34.3	-23.5	0	69.07	-	-	74	-4.93	64	223	H
2	* ** 5.35009	57.82	Pk	34.3	-23.5	0	68.62	-	-	74	-5.38	64	223	H
3	* ** 5.35001	41.72	ADV	34.3	-23.5	0	52.52	54	-1.48	-	-	64	223	H
4	* ** 5.35043	42.09	ADV	34.3	-23.5	0	52.89	54	-1.11	-	-	64	223	H

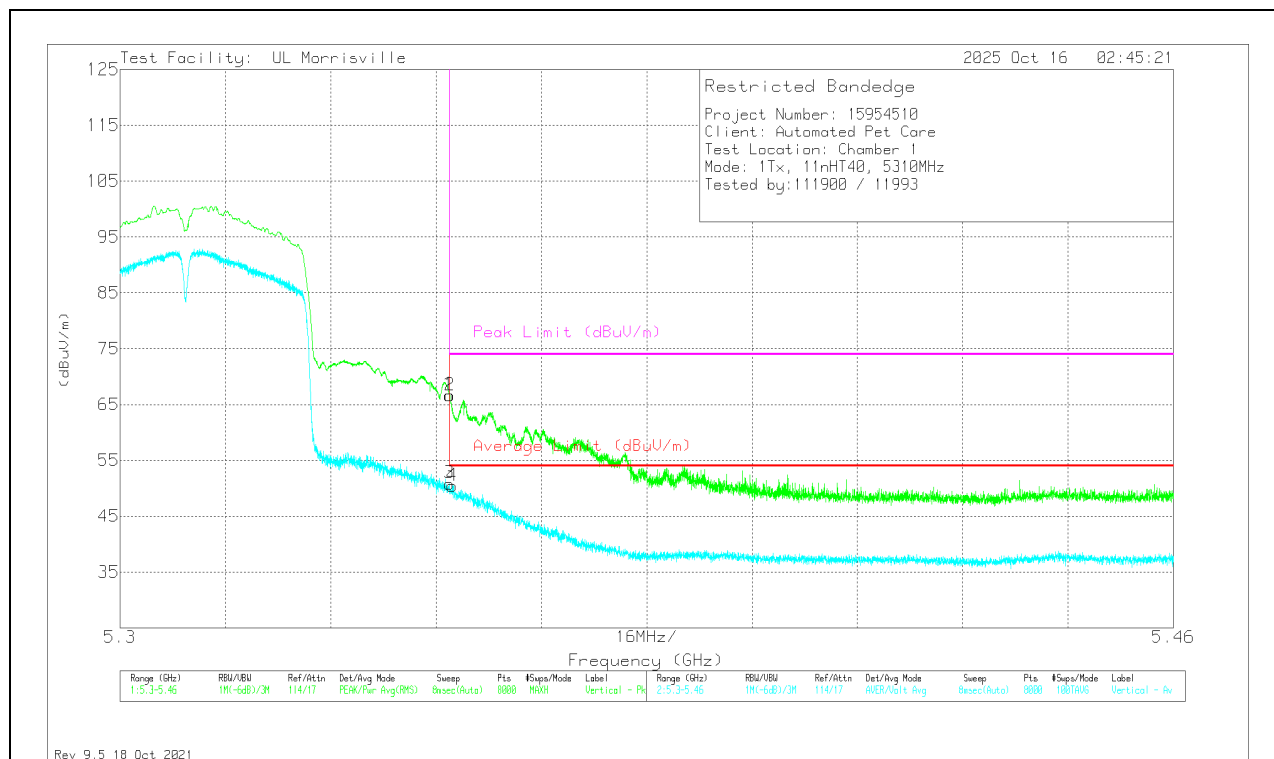
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.35001	55.87	Pk	34.3	-23.5	0	66.67	-	-	74	-7.33	293	242	V
2	* ** 5.35009	55.81	Pk	34.3	-23.5	0	66.61	-	-	74	-7.39	293	242	V
3	* ** 5.35001	40.06	ADV	34.3	-23.5	0	50.86	54	-3.14	-	-	293	242	V
4	* ** 5.35045	39.62	ADV	34.3	-23.5	0	50.42	54	-3.58	-	-	293	242	V

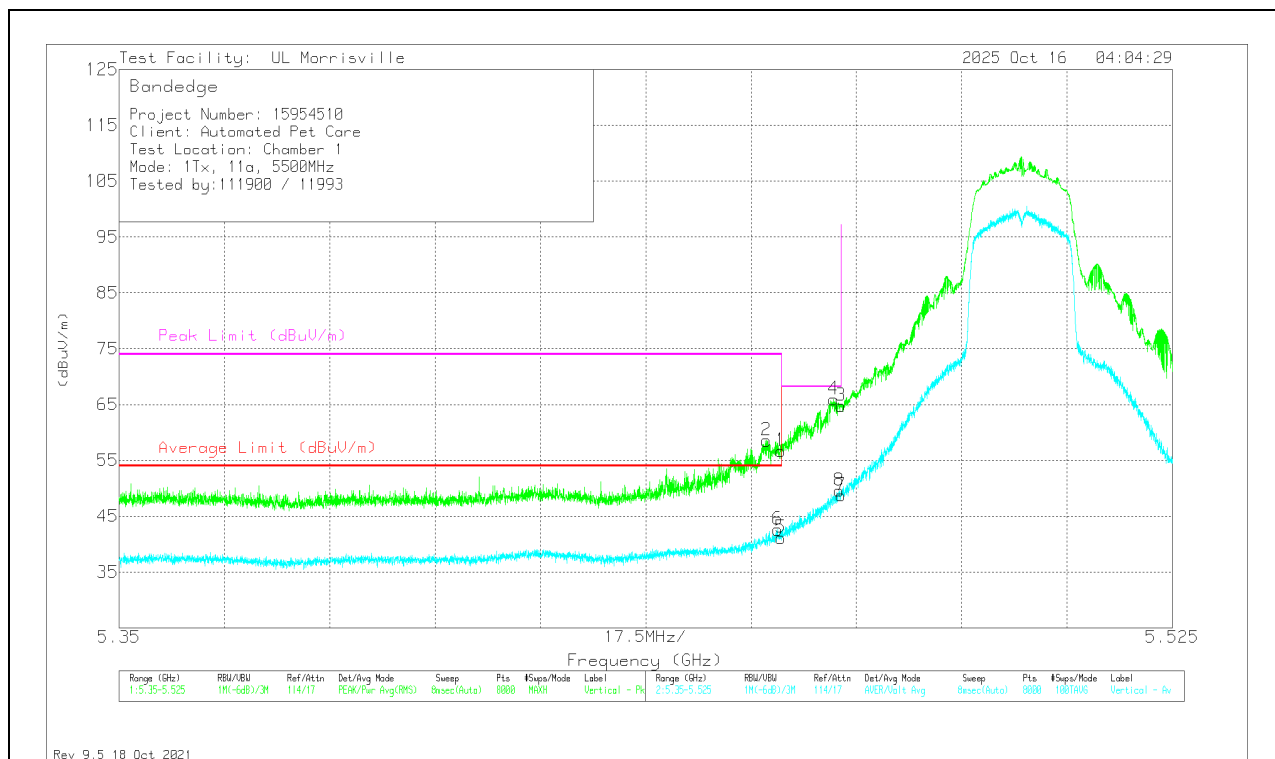
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



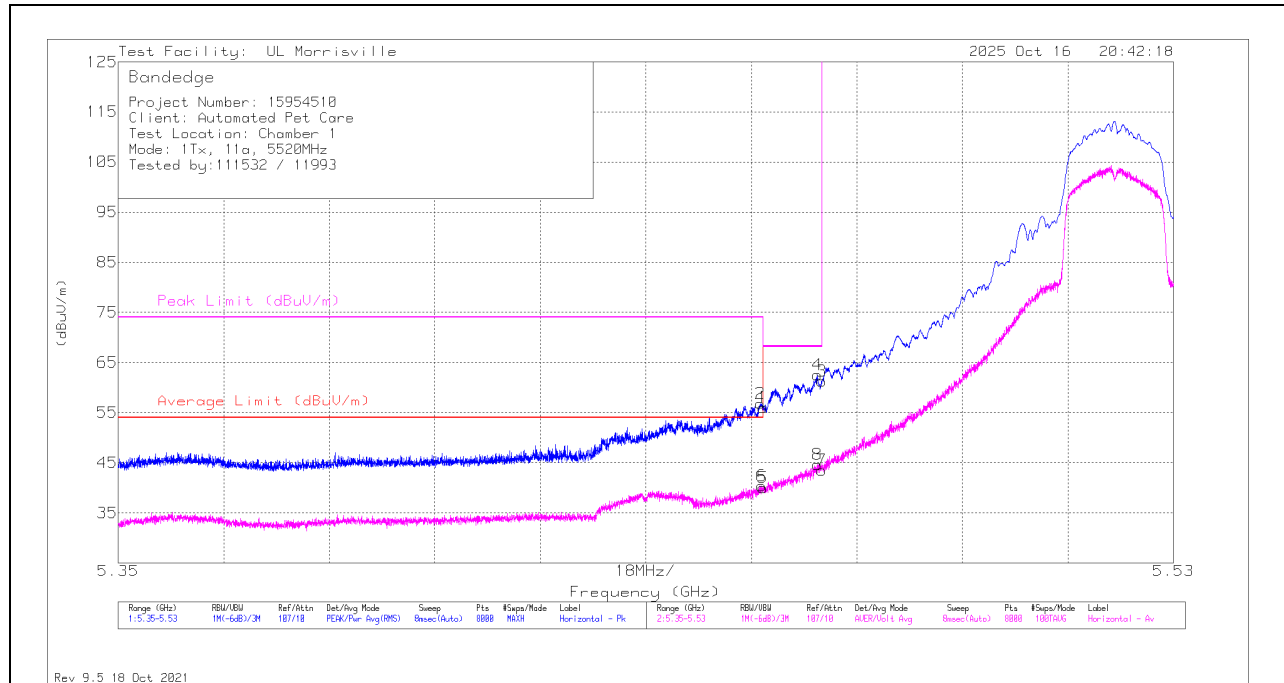
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 5.45998	45.5	Pk	34.4	-23.2	0	56.7	-	-	74	-17.3	317	155	V
2	*** 5.45755	47.46	Pk	34.4	-23.3	0	58.56	-	-	74	-15.44	317	155	V
5	*** 5.45998	29.93	ADV	34.4	-23.2	0	41.13	54	-12.87	-	-	317	155	V
6	*** 5.45939	31.41	ADV	34.4	-23.2	0	42.61	54	-11.39	-	-	317	155	V
4	5.46867	54.72	Pk	34.4	-23.2	0	65.92	-	-	68.2	-2.28	317	155	V
8	5.46963	38.37	ADV	34.4	-23.2	0	49.57	-	-	-	-	317	155	V
3	5.46998	53.58	Pk	34.4	-23.2	0	64.78	-	-	68.2	-3.42	317	155	V
7	5.46998	37.52	ADV	34.4	-23.2	0	48.72	-	-	-	-	317	155	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

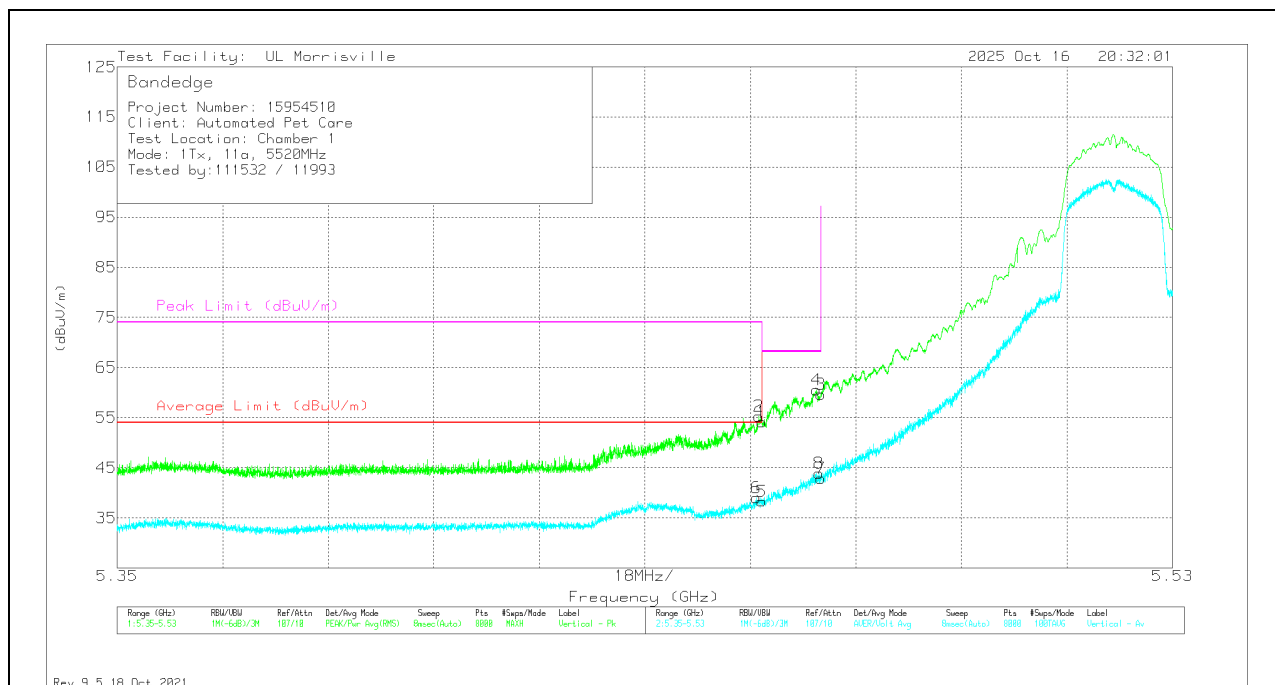
ADV - Linear Voltage Average

BANDEDGE (LOW CHANNEL)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 5.45999	44.8	Pk	34.4	-23.2	0	56	-	-	74	-18	227	146	H
2	*** 5.45952	45.64	Pk	34.4	-23.2	0	56.84	-	-	74	-17.16	227	146	H
5	*** 5.45999	28.86	ADV	34.4	-23.2	0	40.06	54	-13.94	-	-	227	146	H
6	*** 5.45975	29.15	ADV	34.4	-23.2	0	40.35	54	-13.65	-	-	227	146	H
4	5.46929	51.36	Pk	34.4	-23.2	0	62.56	-	-	68.2	-5.64	227	146	H
8	5.46931	33.46	ADV	34.4	-23.2	0	44.66	-	-	-	-	227	146	H
3	5.46999	50.07	Pk	34.4	-23.2	0	61.27	-	-	68.2	-6.93	227	146	H
7	5.46999	32.37	ADV	34.4	-23.2	0	43.57	-	-	-	-	227	146	H

Pk - Peak detector

VERTICAL RESULT

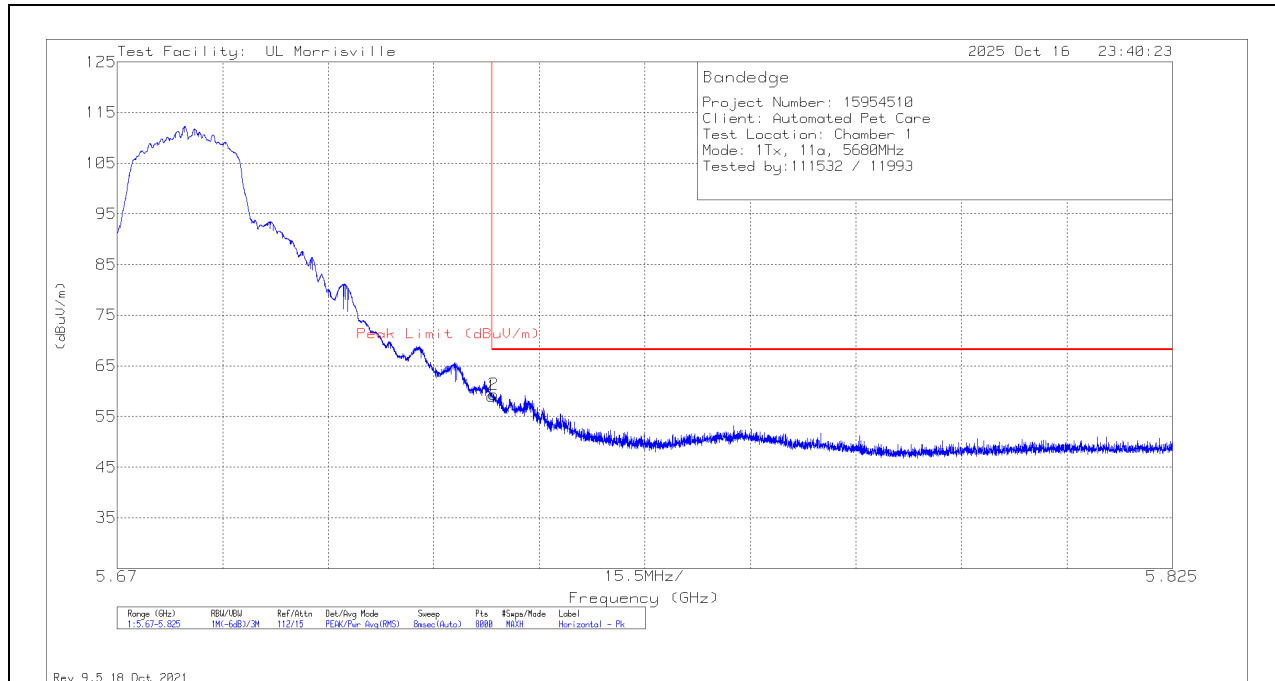


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 5.45999	42.98	Pk	34.4	-23.2	0	54.18	-	-	74	-19.82	308	142	V
2	*** 5.45945	44.05	Pk	34.4	-23.2	0	55.25	-	-	74	-18.75	308	142	V
5	*** 5.45999	27.12	ADV	34.4	-23.2	0	38.32	54	-15.68	-	-	308	142	V
6	*** 5.45905	27.92	ADV	34.4	-23.3	0	39.02	54	-14.98	-	-	308	142	V
4	5.46924	49.33	Pk	34.4	-23.2	0	60.53	-	-	68.2	-7.67	308	142	V
8	5.46972	32.71	ADV	34.4	-23.2	0	43.91	-	-	-	-	308	142	V
3	5.46999	48.5	Pk	34.4	-23.2	0	59.7	-	-	68.2	-8.5	308	142	V
7	5.46999	31.74	ADV	34.4	-23.2	0	42.94	-	-	-	-	308	142	V

Pk - Peak detector

BANDEGE (HIGH CHANNEL)

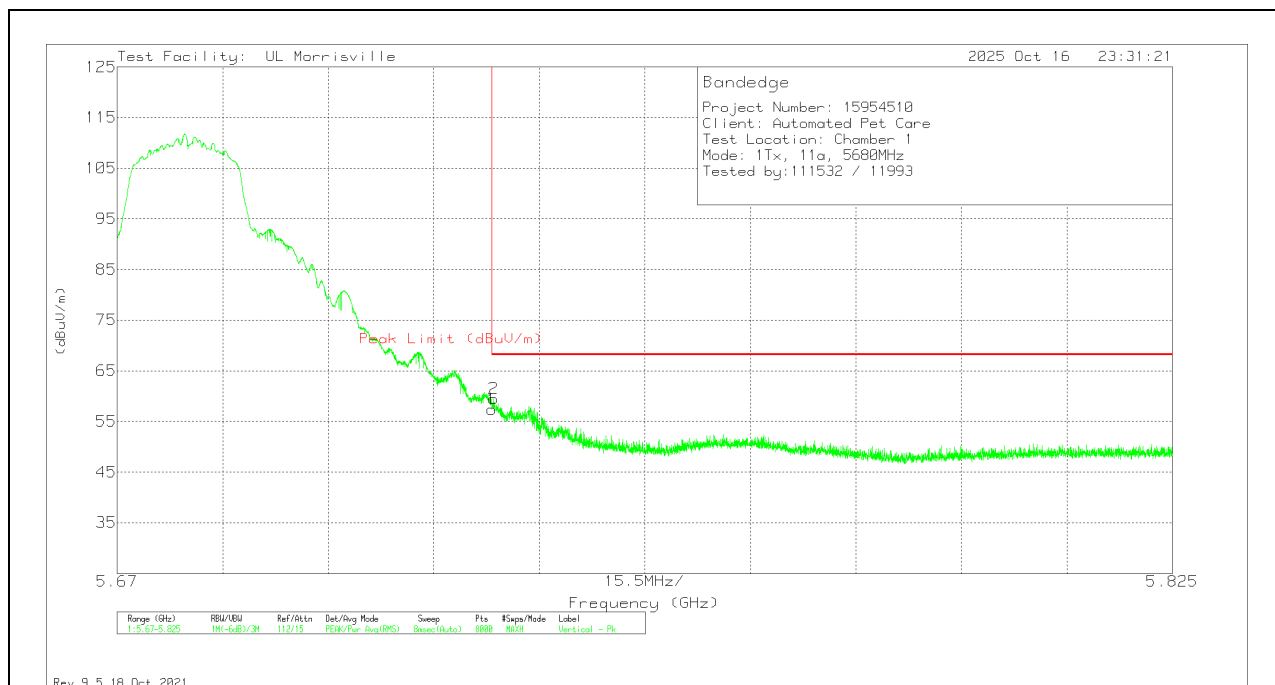
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72501	47.22	Pk	34.7	-22.9	0	59.02	68.2	-9.18	260	362	H
2	5.72528	47.54	Pk	34.7	-22.9	0	59.34	68.2	-8.86	260	362	H

Pk - Peak detector

VERTICAL RESULT

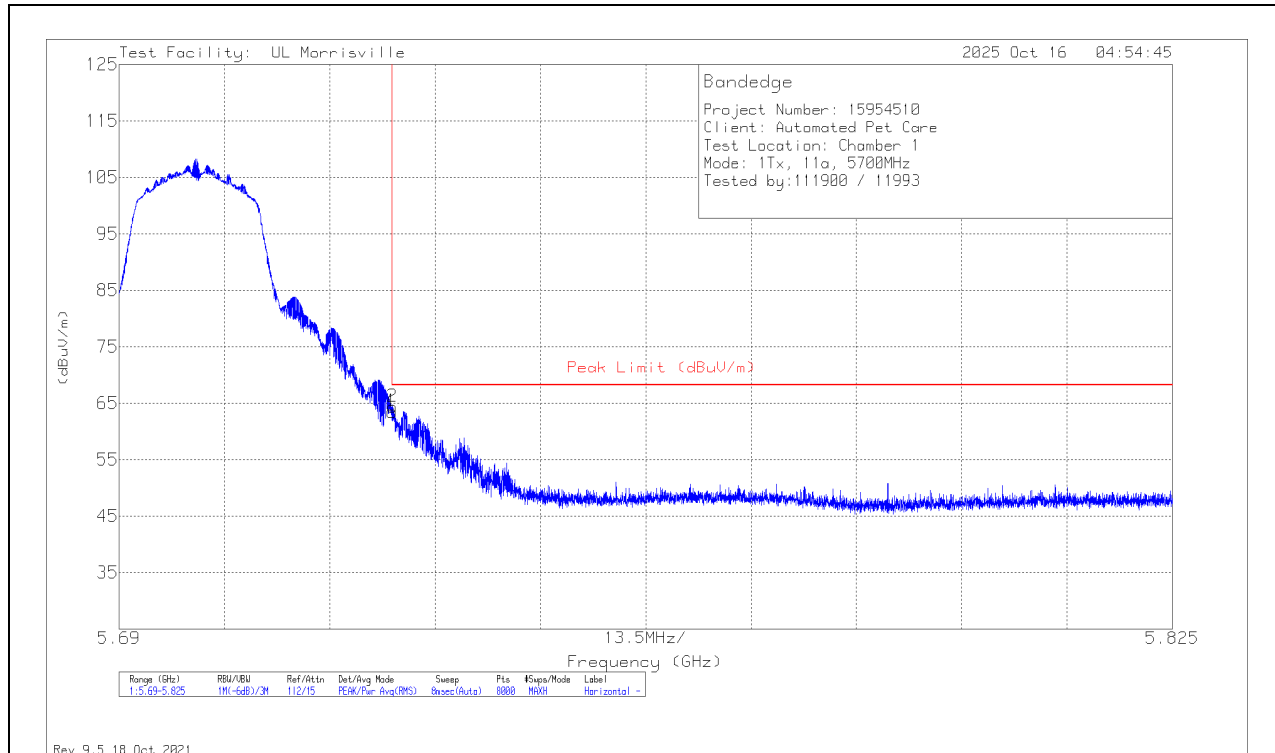


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72501	45.65	Pk	34.7	-22.9	0	57.45	68.2	-10.75	316	346	V
2	5.72534	47.75	Pk	34.7	-22.9	0	59.55	68.2	-8.65	316	346	V

Pk - Peak detector

BANDEDGE (HIGH CHANNEL)

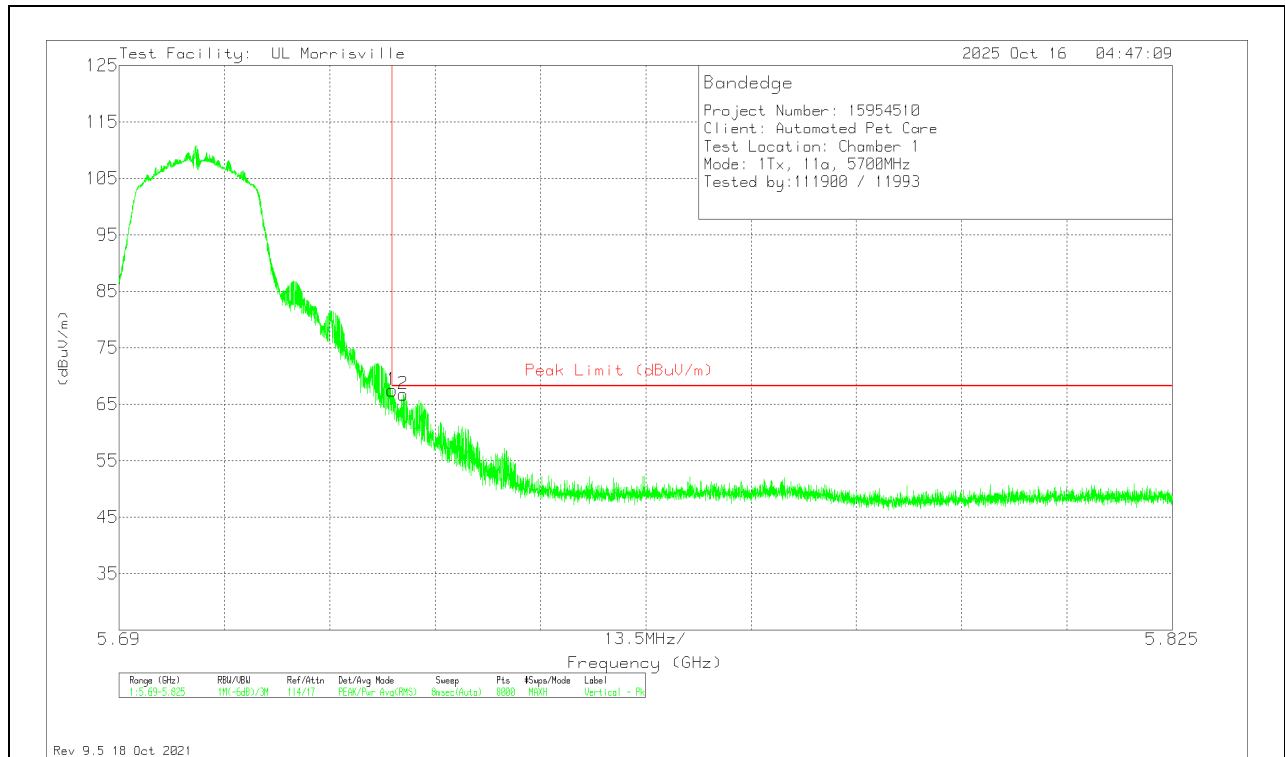
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	51.69	Pk	34.7	-22.9	0	63.49	68.2	-4.71	204	154	H
2	5.72507	52.55	Pk	34.7	-22.9	0	64.35	68.2	-3.85	204	154	H

Pk - Peak detector

VERTICAL RESULT

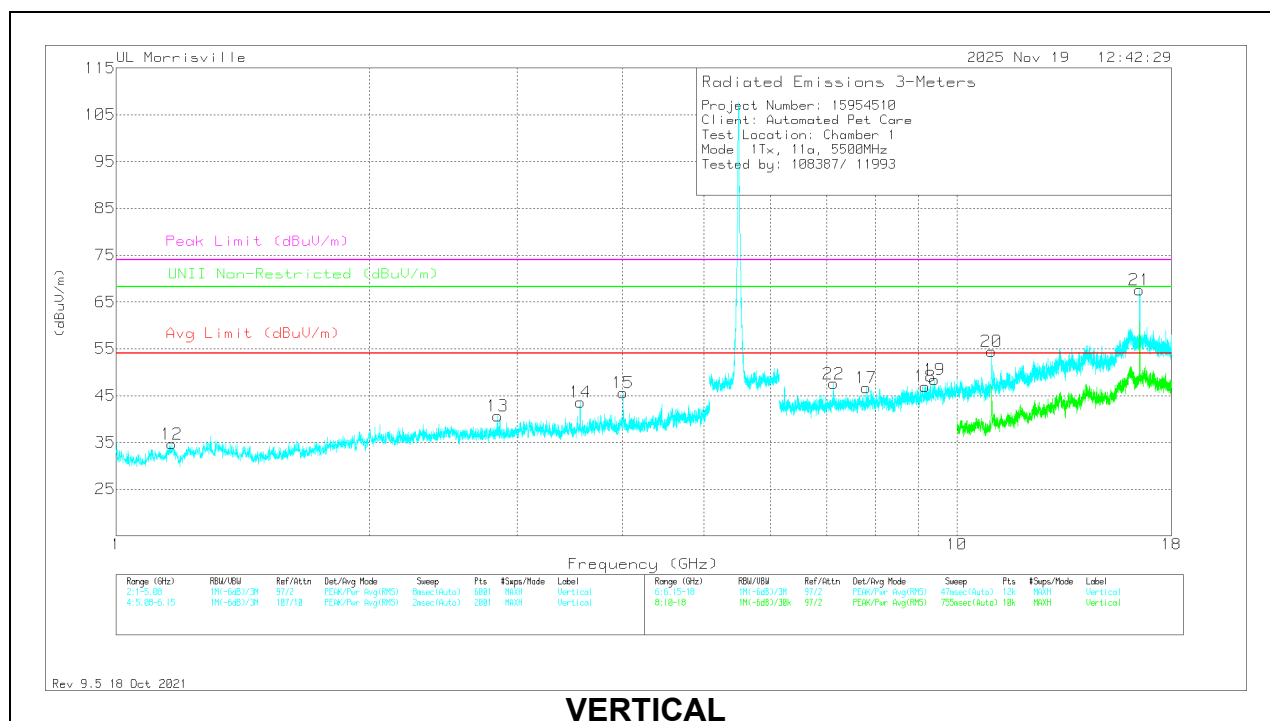
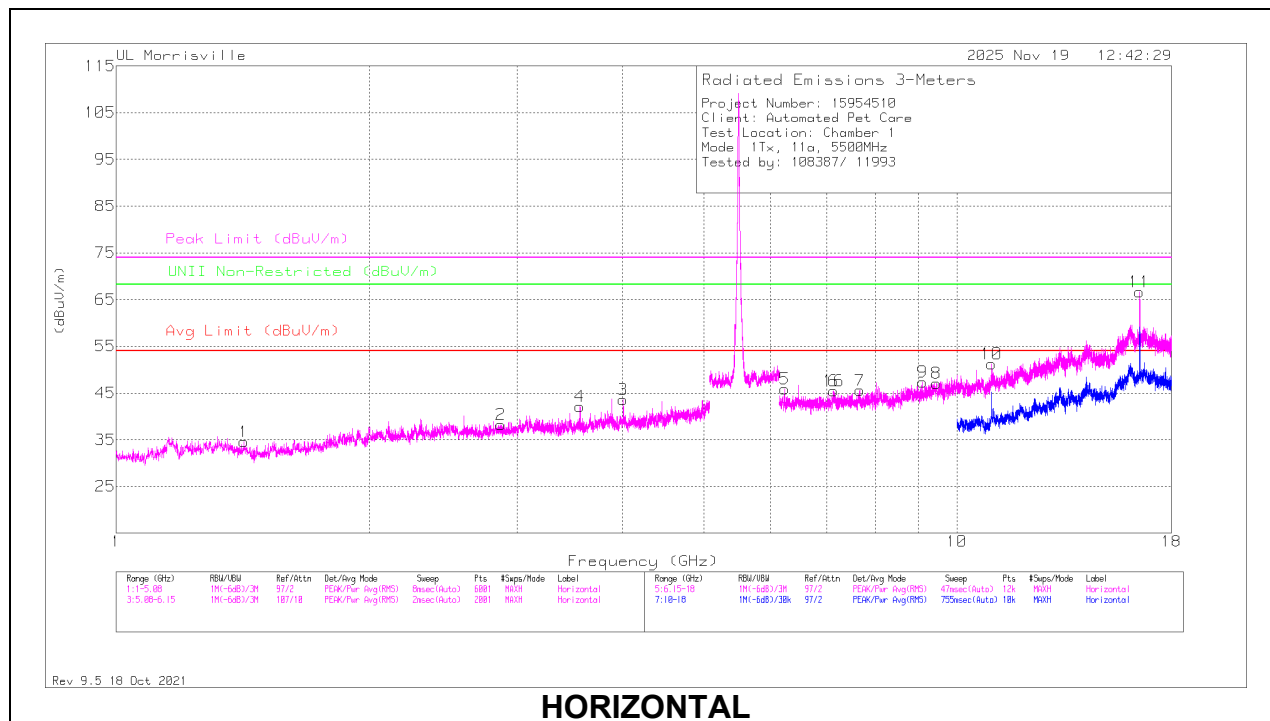


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	55.68	Pk	34.7	-22.9	0	67.48	68.2	-7.72	305	335	V
2	5.72642	54.84	Pk	34.7	-22.8	0	66.74	68.2	-1.46	305	335	V

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 1.4182	42.76	Pk	28.4	-36.6	34.56	54	-19.44	74	-39.44	-	-	0-360	100	H
2	*** 2.86592	41.35	Pk	32.3	-35.4	38.25	54	-15.75	74	-35.75	-	-	0-360	100	H
3	*** 4.009	43.24	Pk	33.4	-33	43.64	54	-10.36	74	-30.36	-	-	0-360	100	H
4	*** 3.56292	44.06	Pk	32.8	-34.7	42.16	54	-11.84	74	-31.84	-	-	0-360	100	H
12	*** 1.16456	43.08	Pk	27.7	-36.1	34.68	54	-19.32	74	-39.32	-	-	0-360	200	V
13	*** 2.84144	44.23	Pk	32.3	-35.9	40.63	54	-13.37	74	-33.37	-	-	0-360	200	V
14	*** 3.56428	45.45	Pk	32.8	-34.6	43.65	54	-10.35	74	-30.35	-	-	0-360	200	V
15	*** 4.009	45.18	Pk	33.4	-33	45.58	54	-8.42	74	-28.42	-	-	0-360	200	V
7	*** 7.66384	36.65	Pk	35.6	-26.7	45.55	54	-8.45	74	-28.45	-	-	0-360	100	H
8	*** 9.45615	34.99	Pk	36.5	-24.4	47.09	54	-6.91	74	-26.91	-	-	0-360	100	H
9	*** 9.10658	35.49	Pk	36	-24.1	47.39	54	-6.61	74	-26.61	-	-	0-360	100	H
10	*** 11.0011	39.48	PK-U	37.7	-23.6	53.58	54	-.42	74	-20.42	-	-	14	158	H
	*** 10.9998	26.85	ADV	37.7	-23.6	40.95	54	-13.05	-	-	-	-	14	158	H
18	*** 9.1678	35.86	Pk	36.2	-25.1	46.96	54	-7.04	74	-27.04	-	-	0-360	200	V
19	*** 9.41264	36.88	PK-U	36.5	-24.4	48.98	54	-5.02	74	-25.02	-	-	306	230	V
	*** 9.41405	23.95	ADV	36.5	-24.5	35.95	54	-18.05	-	-	-	-	306	230	V
20	*** 11.0009	43.6	PK-U	37.7	-23.6	57.7	-	-	74	-16.3	-	-	43	186	V
	*** 11.00154	31.23	ADV	37.7	-23.7	45.23	54	-8.77	-	-	-	-	43	186	V
5	6.23789	39.43	Pk	35.3	-28.8	45.93	-	-	-	-	68.2	-22.27	0-360	100	H
22	7.13059	38.05	Pk	35.5	-26	47.55	-	-	-	-	68.2	-20.65	0-360	200	V
6	7.13256	36.17	Pk	35.5	-26.2	45.47	-	-	-	-	68.2	-22.73	0-360	100	H
16	7.13256	36.17	Pk	35.5	-26.2	45.47	-	-	-	-	68.2	-22.73	0-360	100	H
17	7.80011	38.62	Pk	35.7	-27.6	46.72	-	-	-	-	68.2	-21.48	0-360	200	V
11	16.49945	42.48	PK-U	41.2	-16.5	67.18	-	-	74	-6.82	68.2	-1.02	280	161	H
21	16.49945	40.06	PK-U	41.2	-16.5	64.76	-	-	74	-9.24	68.2	-3.44	83	200	V

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

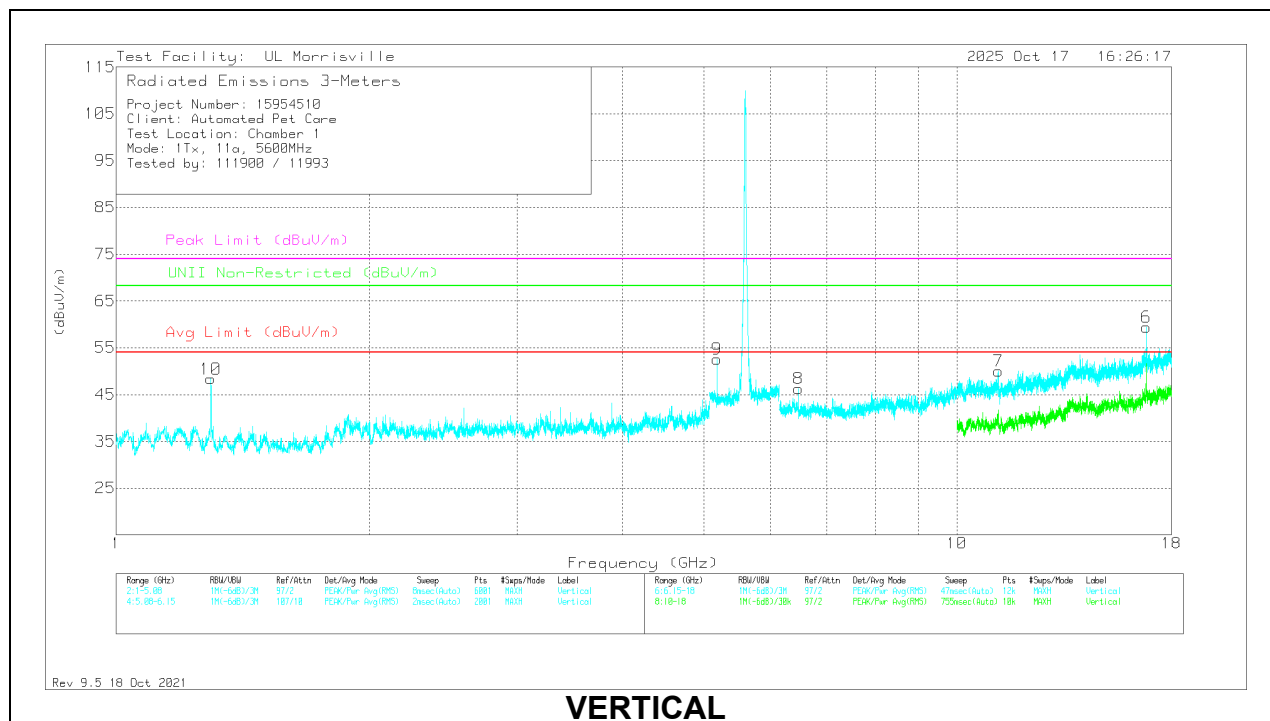
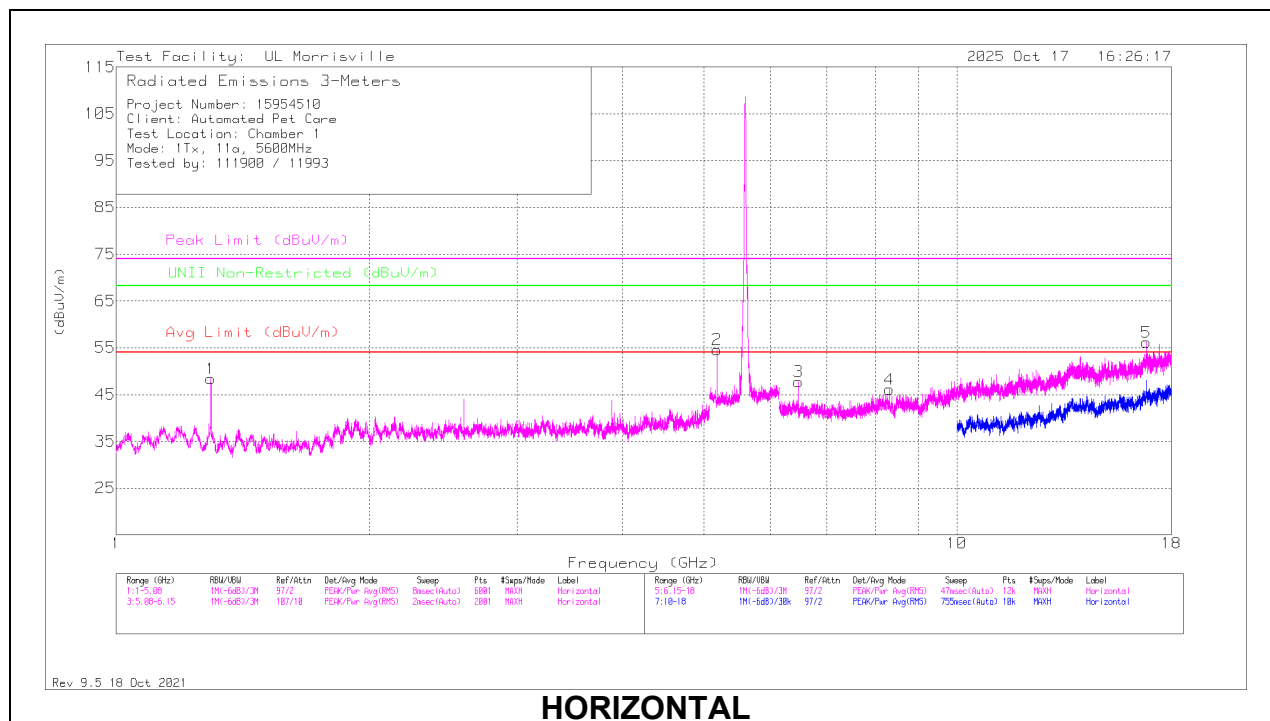
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK-U - Maximum Peak

ADV - Linear Voltage Average

MID CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.296	68.96	PK-U	29.1	-47.2	50.86	-	-	74	-23.14	-	-	356	125	H
	* 1.29601	66.11	ADV	29.1	-47.2	48.01	54	-5.99	-	-	-	-	356	125	H
10	* 1.29599	66.07	PK-U	29.1	-47.2	47.97	-	-	74	-26.03	-	-	26	308	V
	* 1.29604	62.59	ADV	29.1	-47.2	44.49	54	-9.51	-	-	-	-	26	308	V
2	** 5.18379	44.03	Pk	34.3	-23.7	54.63	-	-	-	-	68.2	-13.57	0-360	101	H
9	** 5.18379	41.98	Pk	34.3	-23.7	52.58	-	-	-	-	68.2	-15.62	0-360	101	V
4	*** 8.31855	52.38	Pk	35.8	-42.1	46.08	54	-7.92	74	-27.92	-	-	0-360	101	H
7	*** 11.20105	55.63	PK-U	37.7	-39.2	54.13	-	-	74	-19.87	-	-	309	155	V
	*** 11.2015	42.72	ADV	37.7	-39.3	41.12	54	-12.88	-	-	-	-	309	155	V
3	6.47983	55.69	Pk	35.6	-43.5	47.79	-	-	-	-	68.2	-20.41	0-360	101	H
8	6.47983	54.23	Pk	35.6	-43.5	46.33	-	-	-	-	68.2	-21.87	0-360	101	V
5	16.79328	52.03	Pk	40.9	-36.8	56.13	-	-	-	-	68.2	-12.07	0-360	199	H
6	16.7992	55.64	Pk	40.9	-37.1	59.44	-	-	-	-	68.2	-8.76	0-360	101	V

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

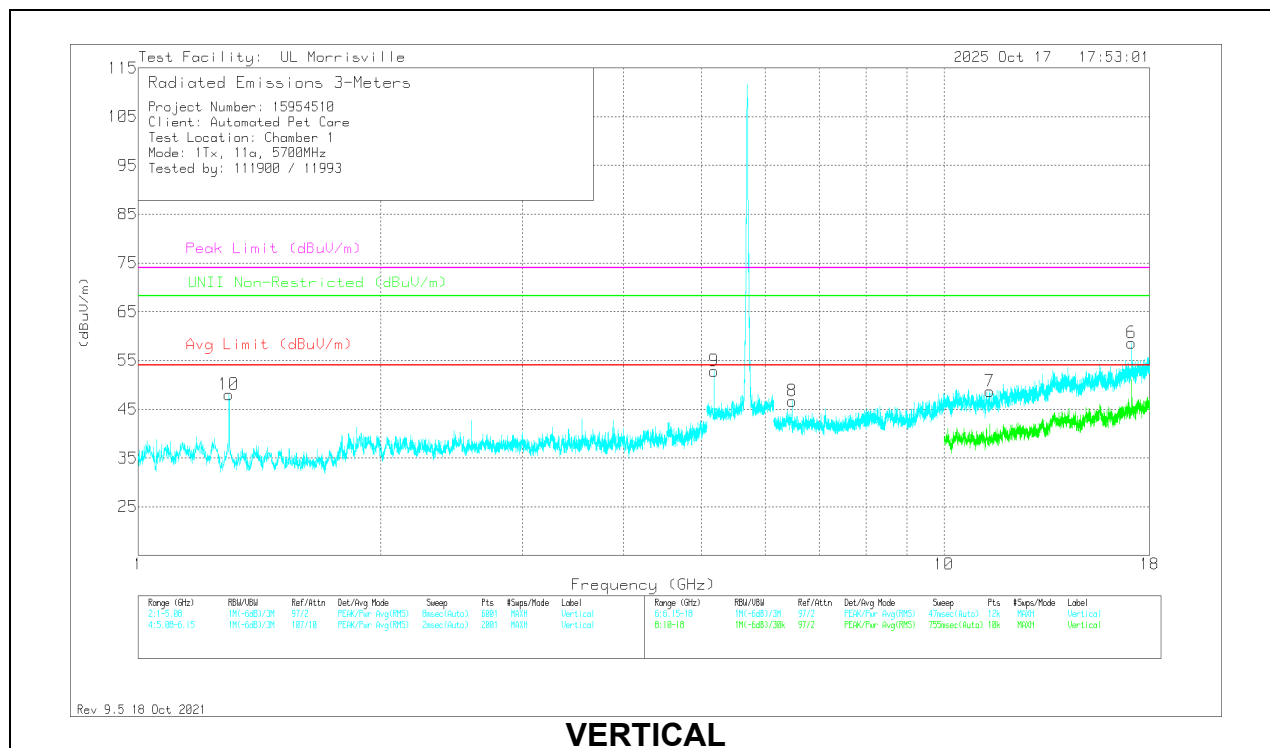
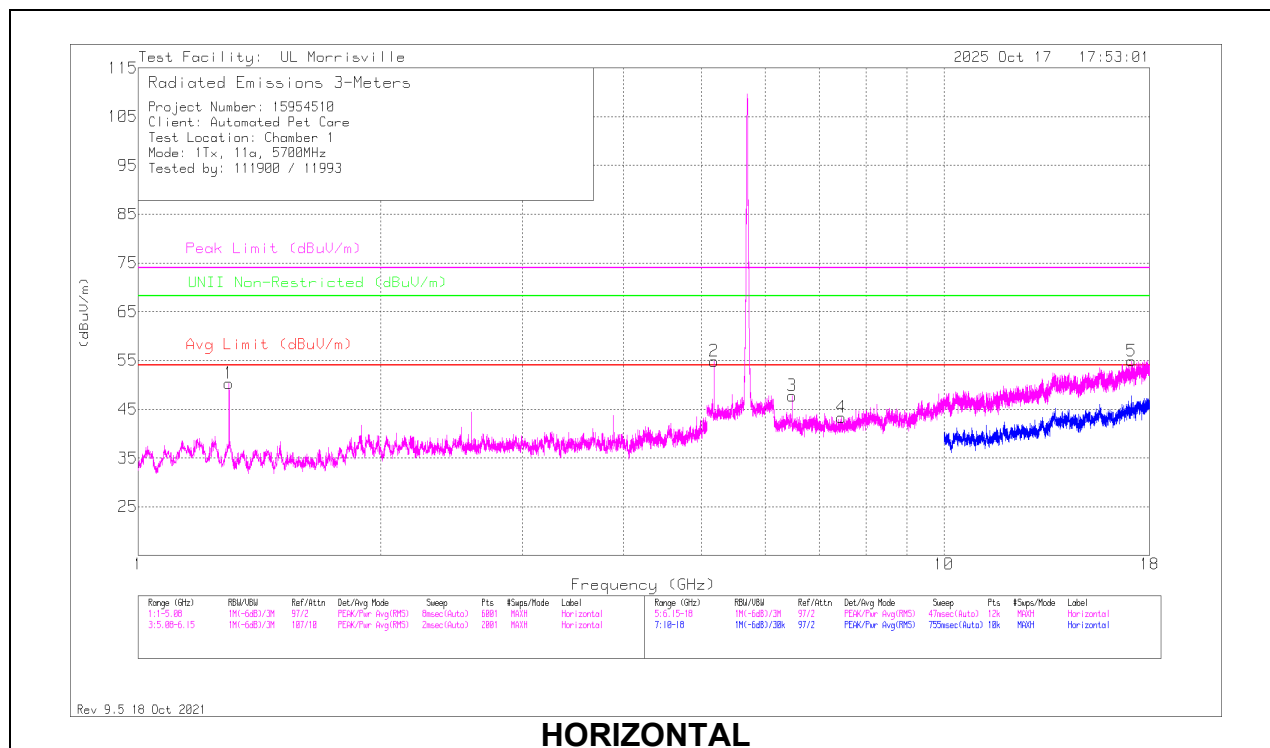
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK-U - Maximum Peak

ADV - Linear Voltage Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.29606	70.39	PK-U	29.1	-47.2	52.29	-	-	74	-21.71	-	-	347	187	H
	* 1.29599	68.01	ADV	29.1	-47.2	49.91	54	-4.09	-	-	-	-	347	187	H
10	* 1.29604	60.01	PK-U	29.1	-47.2	41.91	-	-	74	-32.09	-	-	28	394	V
	* 1.29604	48.82	ADV	29.1	-47.2	30.72	54	-23.28	-	-	-	-	28	394	V
2	** 5.18379	44.26	Pk	34.3	-23.7	54.86	-	-	-	-	68.2	-13.34	0-360	101	H
9	** 5.18433	42.22	Pk	34.3	-23.7	52.82	-	-	-	-	68.2	-15.38	0-360	101	V
4	* ** 7.46634	49.99	Pk	35.5	-42.2	43.29	54	-10.71	74	-30.71	-	-	0-360	199	H
7	* ** 11.40121	55.44	PK-U	37.7	-39.6	53.54	-	-	74	-20.46	-	-	337	101	V
	* ** 11.40365	42.22	ADV	37.7	-39.6	40.32	54	-13.68	-	-	-	-	337	101	V
3	6.47983	55.68	Pk	35.6	-43.5	47.78	-	-	-	-	68.2	-20.42	0-360	101	H
8	6.47983	54.58	Pk	35.6	-43.5	46.68	-	-	-	-	68.2	-21.52	0-360	101	V
6	17.09743	54.1	Pk	41.2	-36.7	58.6	-	-	-	-	68.2	-9.6	0-360	200	V
5	17.10039	50.21	Pk	41.2	-36.5	54.91	-	-	-	-	68.2	-13.29	0-360	199	H

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK-U - Maximum Peak

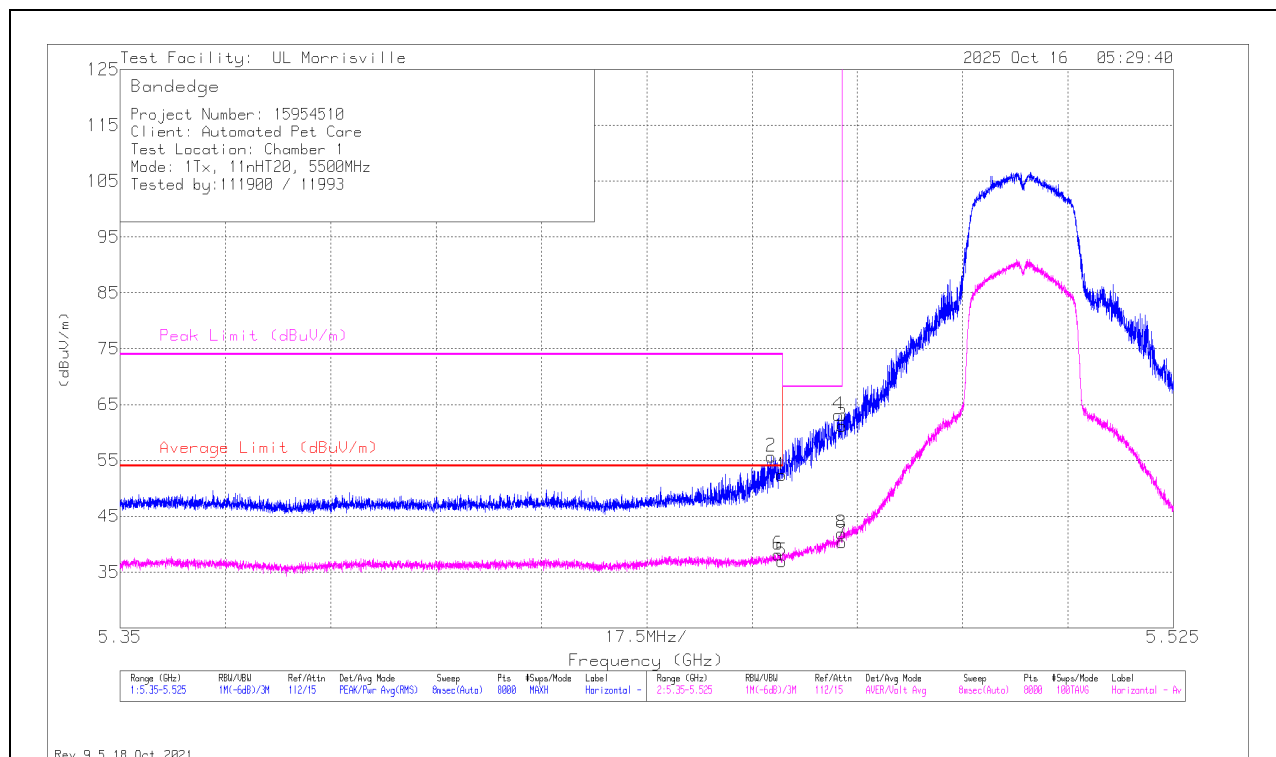
ADV - Linear Voltage Average

10.1.8. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.6 GHz BAND

1TX Antenna 1 MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	41.18	Pk	34.4	-23.2	0	52.38	-	-	74	-21.62	321	256	H
2	* ** 5.45814	44.62	Pk	34.4	-23.3	0	55.72	-	-	74	-18.28	321	256	H
5	* ** 5.45998	25.78	ADV	34.4	-23.2	0	36.98	54	-17.02	-	-	321	256	H
6	* ** 5.45932	26.95	ADV	34.4	-23.2	0	38.15	54	-15.85	-	-	321	256	H
4	5.46939	51.95	Pk	34.4	-23.2	0	63.15	-	-	68.2	-5.05	321	256	H
8	5.46987	30.77	ADV	34.4	-23.2	0	41.97	-	-	-	-	321	256	H
3	5.46998	49.99	Pk	34.4	-23.2	0	61.19	-	-	68.2	-7.01	321	256	H
7	5.46998	29.13	ADV	34.4	-23.2	0	40.33	-	-	-	-	321	256	H

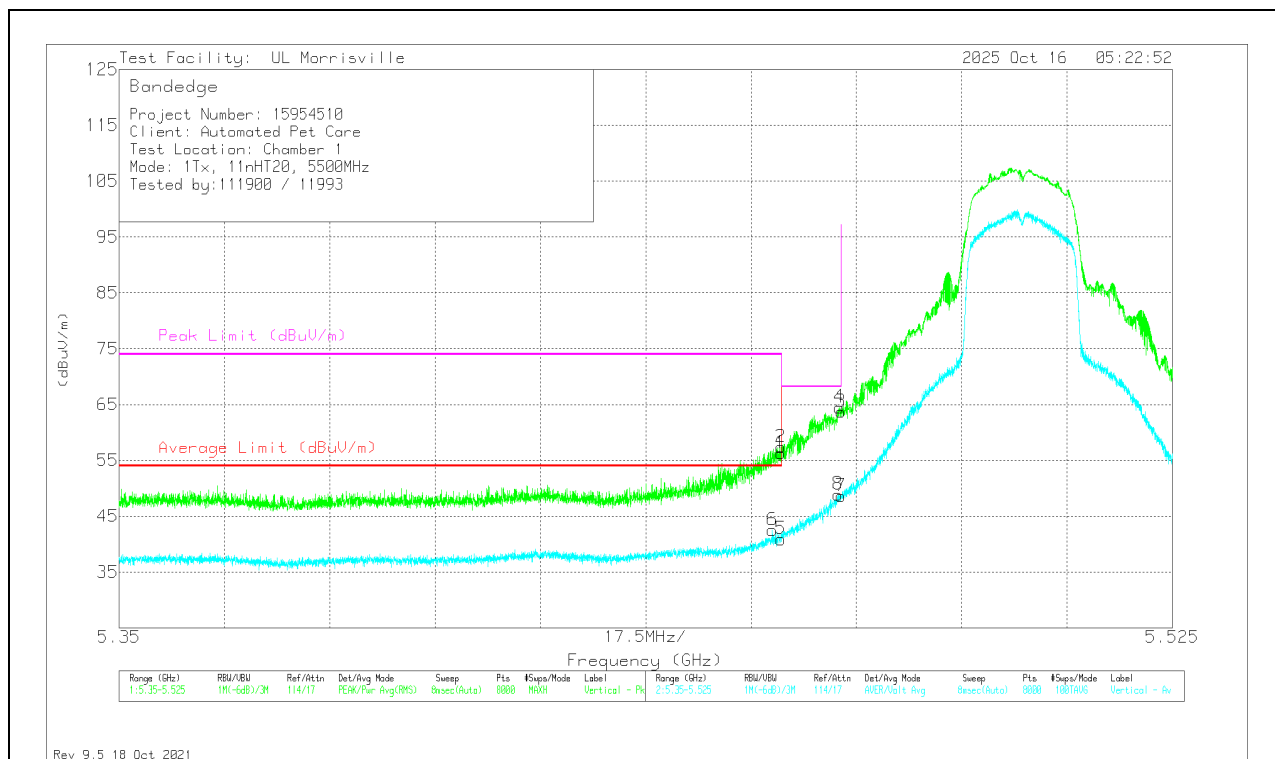
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



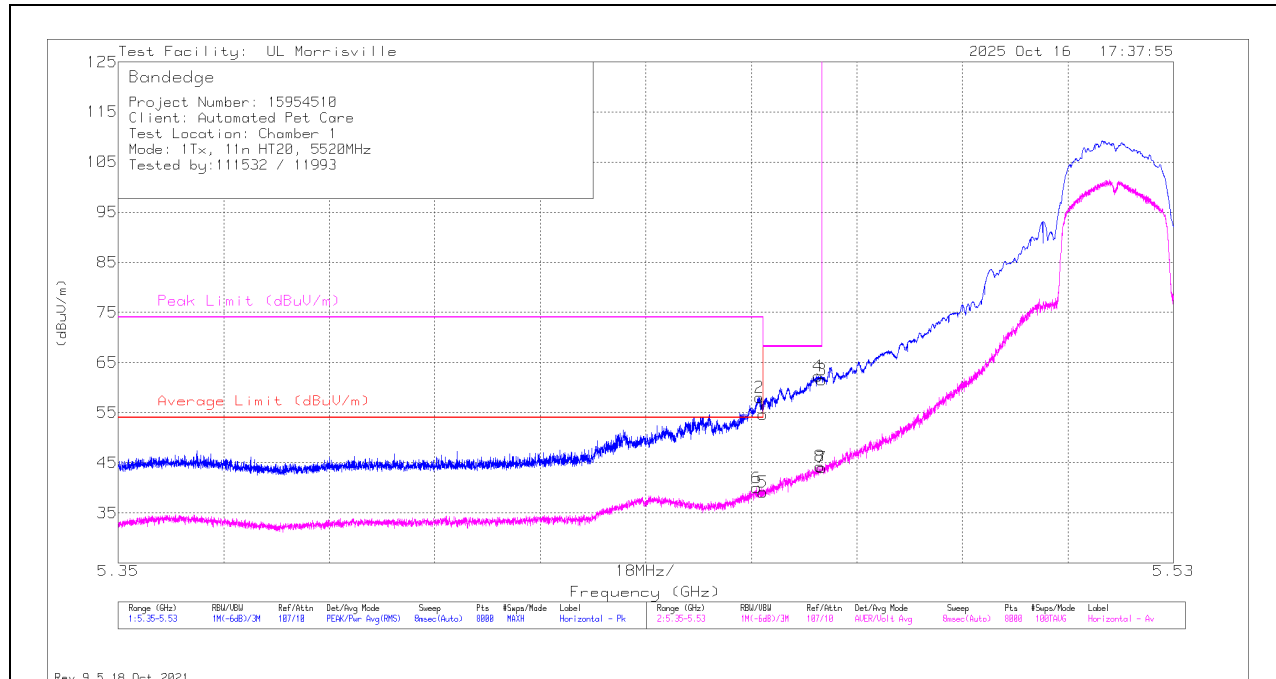
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 5.45998	45.09	Pk	34.4	-23.2	0	56.29	-	-	74	-17.71	321	256	V
2	*** 5.45996	46.18	Pk	34.4	-23.2	0	57.38	-	-	74	-16.62	321	256	V
5	*** 5.45998	29.69	ADV	34.4	-23.2	0	40.89	54	-13.11	-	-	321	256	V
6	*** 5.45854	31.42	ADV	34.4	-23.3	0	42.52	54	-11.48	-	-	321	256	V
8	5.46941	37.68	ADV	34.4	-23.2	0	48.88	-	-	-	-	321	256	V
4	5.46967	53.27	Pk	34.4	-23.2	0	64.47	-	-	68.2	-3.73	321	256	V
3	5.46998	52.51	Pk	34.4	-23.2	0	63.71	-	-	68.2	-4.49	321	256	V
7	5.46998	37.39	ADV	34.4	-23.2	0	48.59	-	-	-	-	321	256	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

BANDEDGE (LOW CHANNEL)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45999	43.42	Pk	34.4	-23.2	0	54.62	-	-	74	-19.38	53	171	H
2	* ** 5.45939	46.8	Pk	34.4	-23.2	0	58	-	-	74	-16	53	171	H
5	* ** 5.45999	27.91	ADV	34.4	-23.2	0	39.11	54	-14.89	-	-	53	171	H
6	* ** 5.45891	28.86	ADV	34.4	-23.3	0	39.96	54	-14.04	-	-	53	171	H
4	5.46936	51.1	Pk	34.4	-23.2	0	62.3	-	-	68.2	-5.9	53	171	H
8	5.46972	33.04	ADV	34.4	-23.2	0	44.24	-	-	-	-	53	171	H
3	5.46999	50.38	Pk	34.4	-23.2	0	61.58	-	-	68.2	-6.62	53	171	H
7	5.46999	32.86	ADV	34.4	-23.2	0	44.06	-	-	-	-	53	171	H

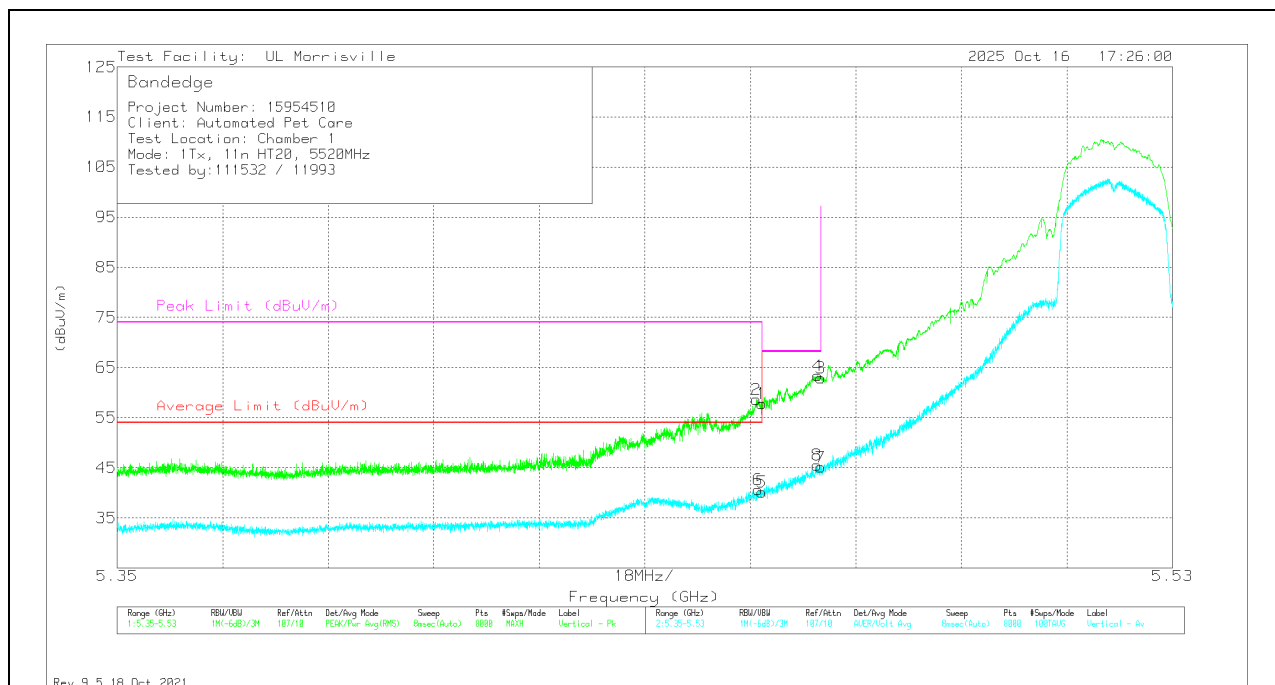
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



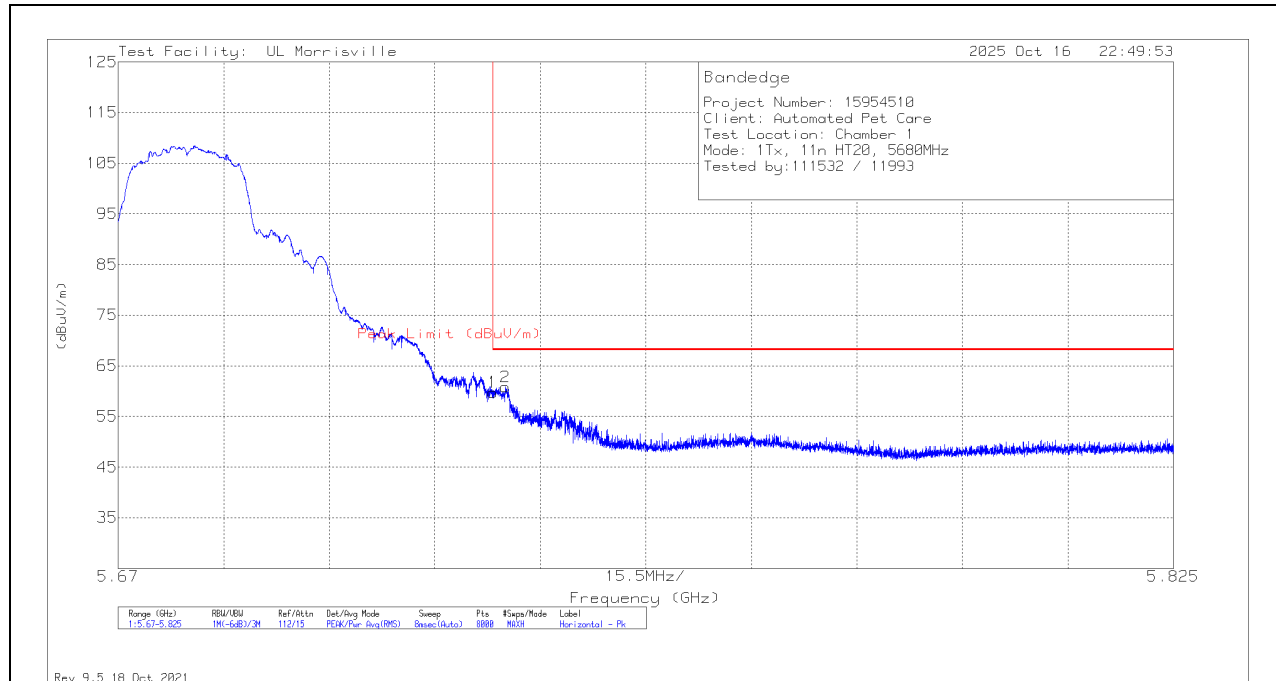
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 5.45999	46.55	Pk	34.4	-23.2	0	57.75	-	-	74	-16.25	337	296	V
2	*** 5.45903	47.51	Pk	34.4	-23.3	0	58.61	-	-	74	-15.39	337	296	V
5	*** 5.45999	28.91	ADV	34.4	-23.2	0	40.11	54	-13.89	-	-	337	296	V
6	*** 5.45936	29.45	ADV	34.4	-23.2	0	40.65	54	-13.35	-	-	337	296	V
8	5.46933	34.36	ADV	34.4	-23.2	0	45.56	-	-	-	-	337	296	V
4	5.46951	52.16	Pk	34.4	-23.2	0	63.36	-	-	68.2	-4.84	337	296	V
3	5.46999	51.74	Pk	34.4	-23.2	0	62.94	-	-	68.2	-5.26	337	296	V
7	5.46999	33.89	ADV	34.4	-23.2	0	45.09	-	-	-	-	337	296	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

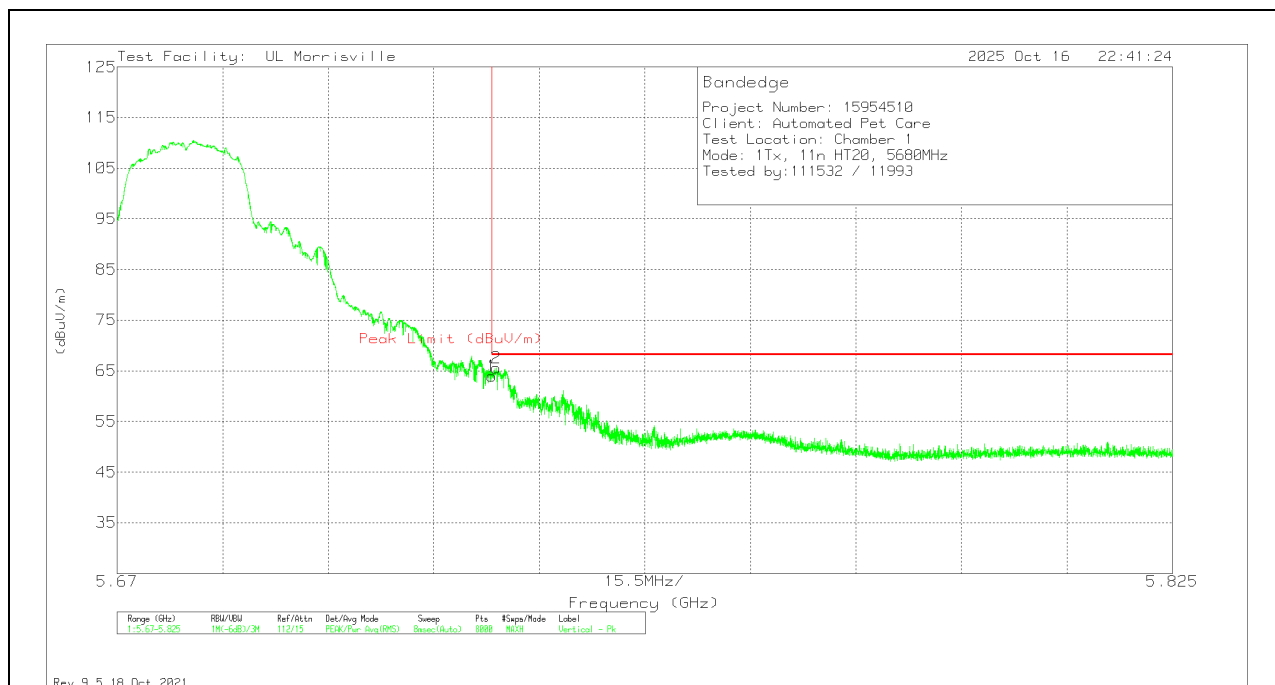
ADV - Linear Voltage Average

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72501	47.95	Pk	34.7	-22.9	0	59.75	68.2	-8.45	72	141	H
2	5.72689	48.91	Pk	34.7	-22.8	0	60.81	68.2	-7.39	72	141	H

Pk - Peak detector

VERTICAL RESULT

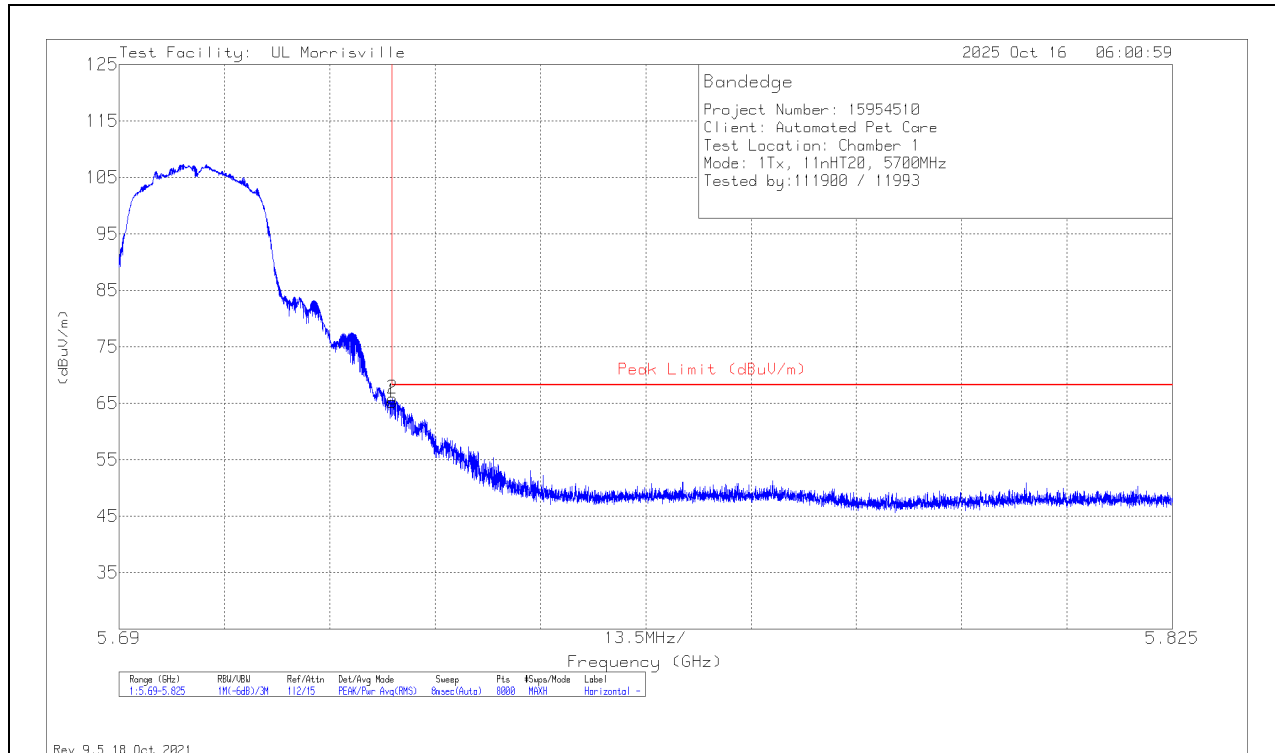


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72501	52.2	Pk	34.7	-22.9	0	64	68.2	-4.2	328	279	V
2	5.72571	53.74	Pk	34.7	-22.9	0	65.54	68.2	-2.66	328	279	V

Pk - Peak detector

BANDEDGE (HIGH CHANNEL)

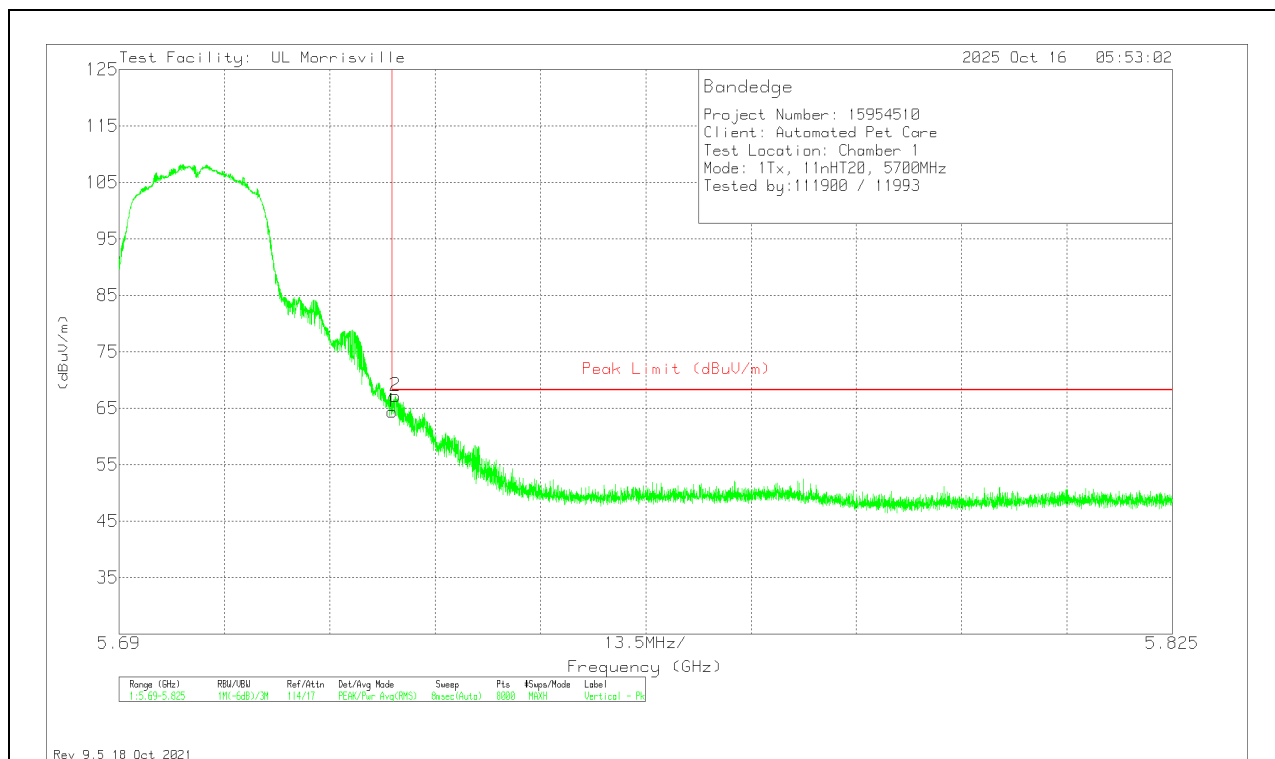
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	53.45	Pk	34.7	-22.9	0	65.25	68.2	-2.95	202	152	H
2	5.72502	54.05	Pk	34.7	-22.9	0	65.85	68.2	-2.35	202	152	H

Pk - Peak detector

VERTICAL RESULT

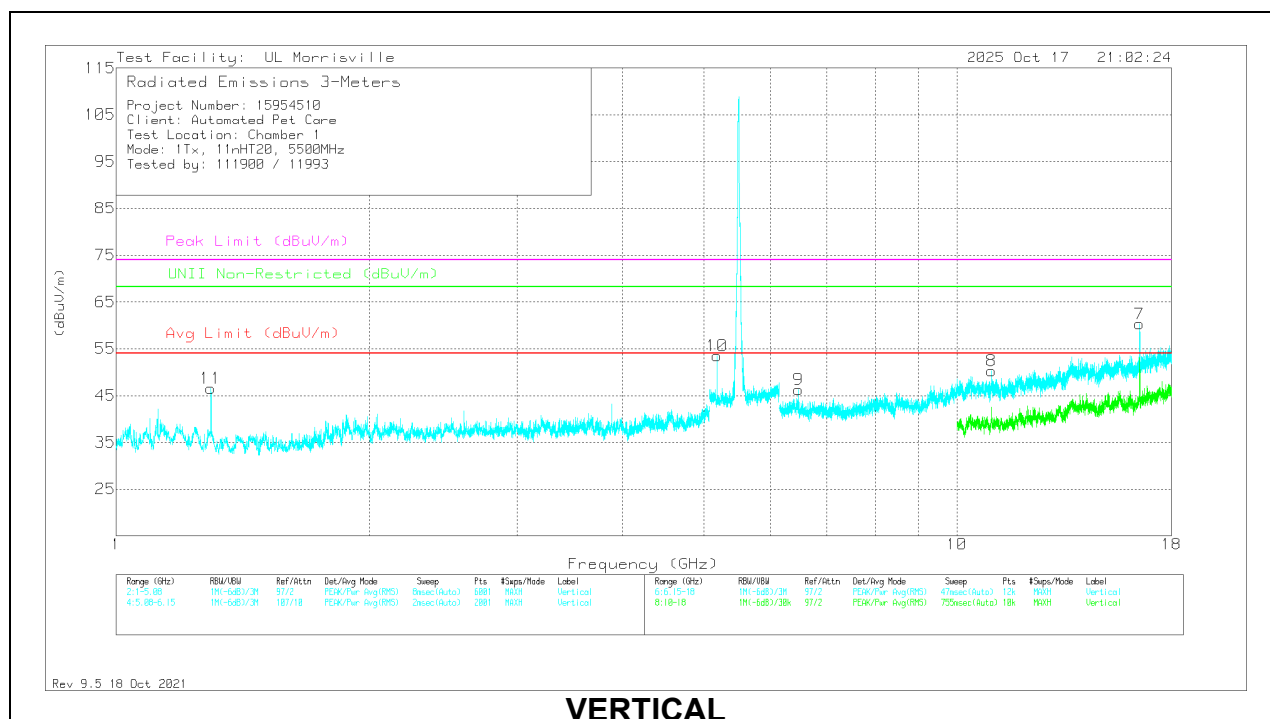
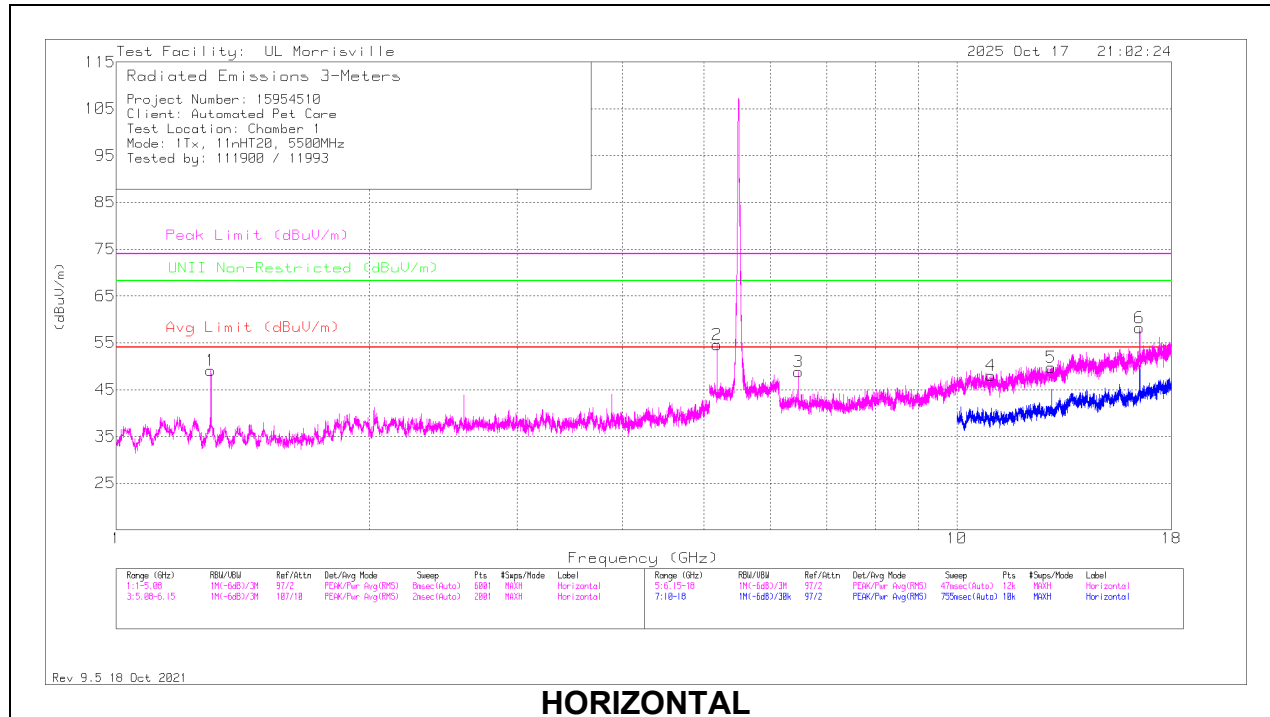


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	52.6	Pk	34.7	-22.9	0	64.4	68.2	-3.8	307	282	V
2	5.72541	55.38	Pk	34.7	-22.9	0	67.18	68.2	-1.02	307	282	V

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.29608	70.6	PK-U	29.1	-47.2	52.5	-	-	74	-21.5	-	-	103	249	H
	* 1.29603	68.67	ADV	29.1	-47.2	50.57	54	-3.43	-	-	-	-	103	249	H
11	* 1.2958	64.6	Pk	29.1	-47.2	46.5	54	-7.5	74	-27.5	-	-	0-360	101	V
2	** 5.18379	44	Pk	34.3	-23.7	54.6	-	-	-	-	68.2	-13.6	0-360	101	H
10	** 5.18379	42.88	Pk	34.3	-23.7	53.48	-	-	-	-	68.2	-14.72	0-360	200	V
4	*** 10.97522	51.09	PK-U	37.9	-39	49.99	-	-	74	-24.01	-	-	34	102	H
	* ** 10.97787	38.19	ADV	37.9	-38.7	37.39	54	-16.61	-	-	-	-	34	102	H
8	*** 10.99877	55.91	PK-U	37.8	-40.1	53.61	-	-	74	-20.39	-	-	315	156	V
	*** 10.9988	44.03	ADV	37.8	-40.1	41.73	54	-12.27	-	-	-	-	315	156	V
3	6.47983	56.69	Pk	35.6	-43.5	48.79	-	-	-	-	68.2	-19.41	0-360	101	H
9	6.47983	54.18	Pk	35.6	-43.5	46.28	-	-	-	-	68.2	-21.92	0-360	101	V
5	12.94104	49.58	Pk	38.8	-38.6	49.78	-	-	-	-	68.2	-18.42	0-360	101	H
7	16.49604	57.39	Pk	40.4	-37.5	60.29	-	-	-	-	68.2	-7.91	0-360	200	V
6	16.49703	55.31	Pk	40.4	-37.5	58.21	-	-	-	-	68.2	-9.99	0-360	101	H

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

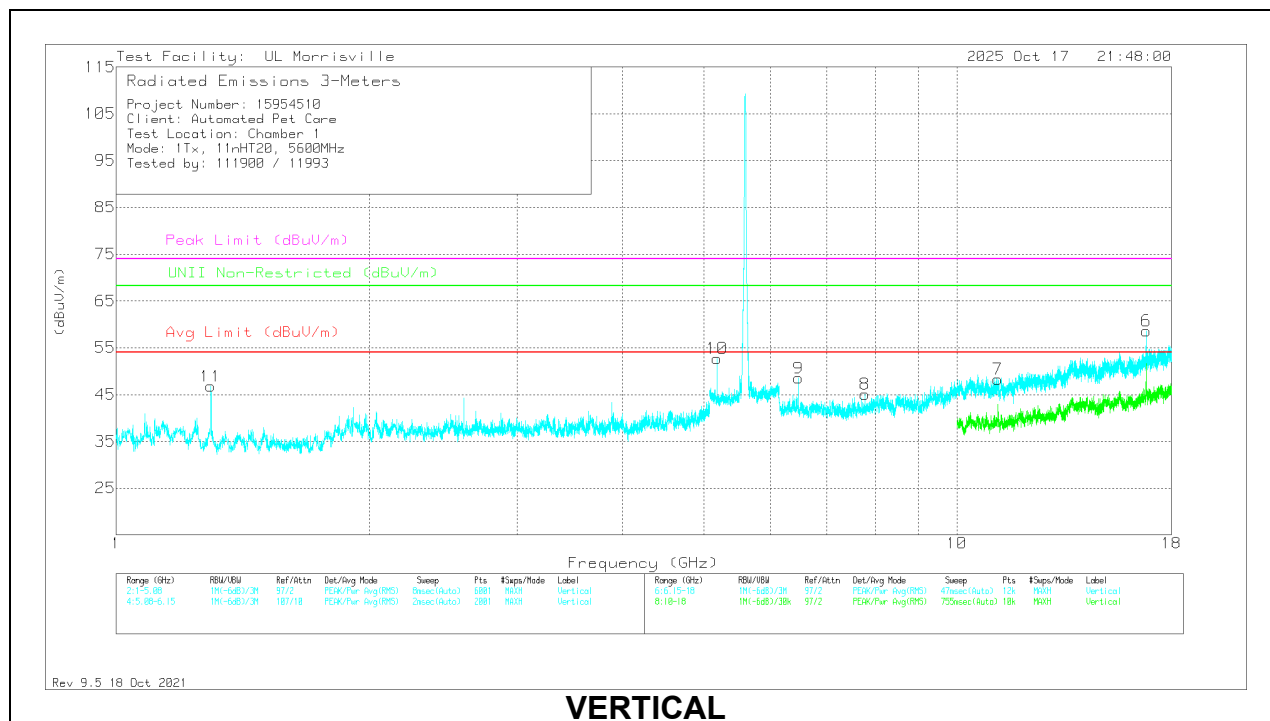
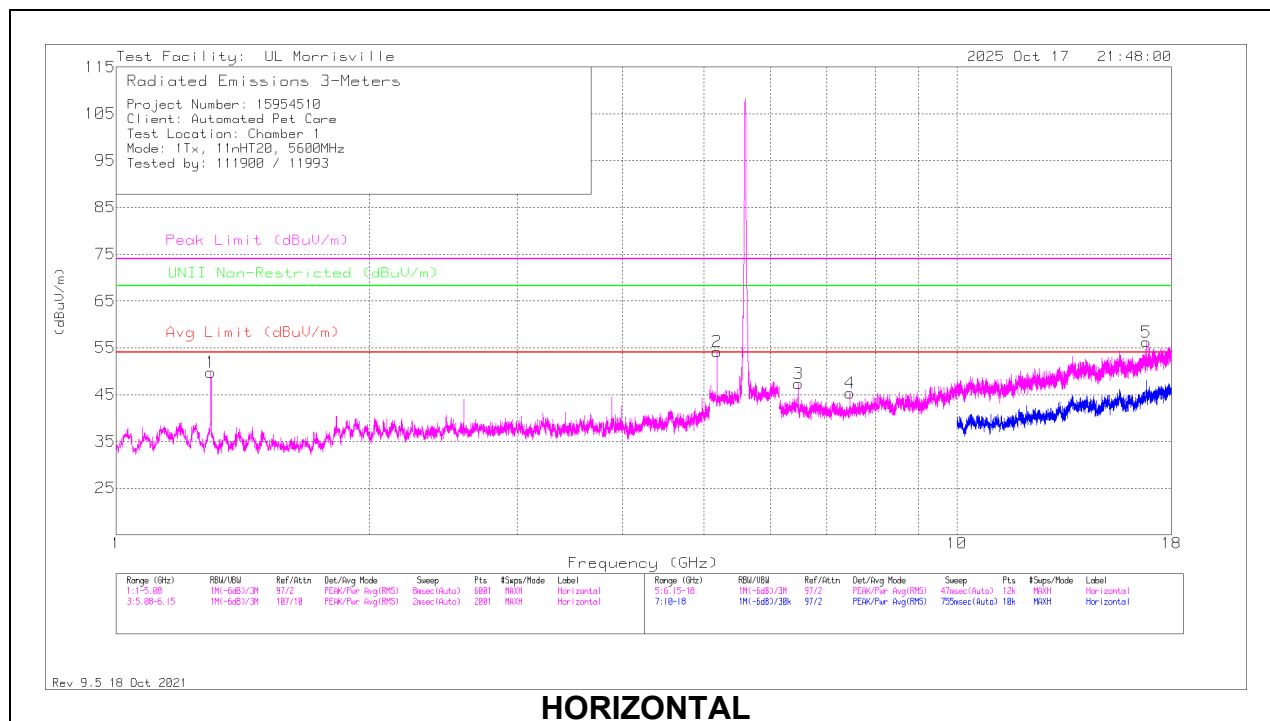
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK-U - Maximum Peak

ADV - Linear Voltage Average

MID CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.2961	69.95	PK-U	29.1	-47.2	51.85	-	-	74	-22.15	-	-	351	213	H
	* 1.29602	67.72	ADV	29.1	-47.2	49.62	54	-4.38	-	-	-	-	351	213	H
11	* 1.2958	64.85	Pk	29.1	-47.2	46.75	54	-7.25	74	-27.25	-	-	0-360	101	V
2	** 5.18379	43.62	Pk	34.3	-23.7	54.22	-	-	-	-	68.2	-13.98	0-360	101	H
10	** 5.18379	42.13	Pk	34.3	-23.7	52.73	-	-	-	-	68.2	-15.47	0-360	101	V
4	*** 7.46634	51.99	Pk	35.5	-42.2	45.29	54	-8.71	74	-28.71	-	-	0-360	101	H
7	*** 11.17819	51.63	PK-U	37.7	-38.9	50.43	-	-	74	-23.57	-	-	37	308	V
	*** 11.17944	38.38	ADV	37.7	-38.7	37.38	54	-16.62	-	-	-	-	37	308	V
3	6.47983	55.28	Pk	35.6	-43.5	47.38	-	-	-	-	68.2	-20.82	0-360	101	H
9	6.47983	56.4	Pk	35.6	-43.5	48.5	-	-	-	-	68.2	-19.7	0-360	200	V
8	7.77543	51.18	Pk	35.7	-41.8	45.08	-	-	-	-	68.2	-23.12	0-360	200	V
5	16.80118	52.55	Pk	40.9	-37.2	56.25	-	-	-	-	68.2	-11.95	0-360	200	H
6	16.80315	55.03	Pk	40.9	-37.3	58.63	-	-	-	-	68.2	-9.57	0-360	200	V

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

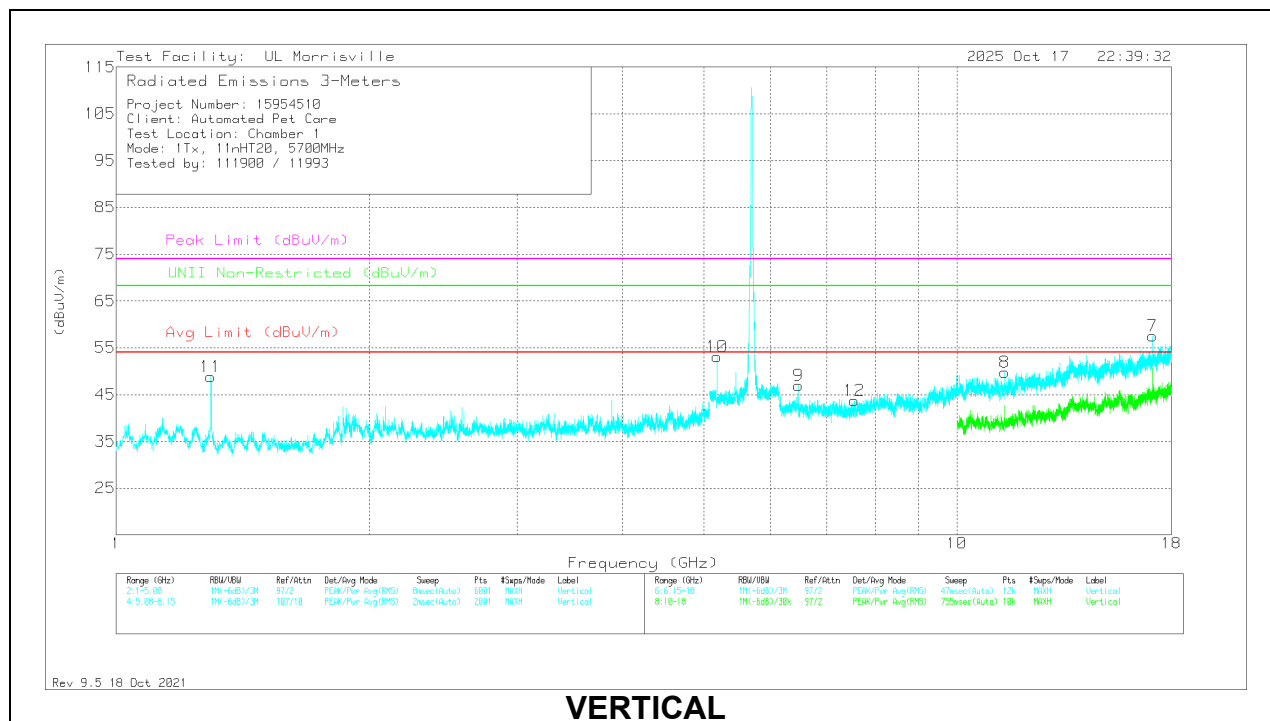
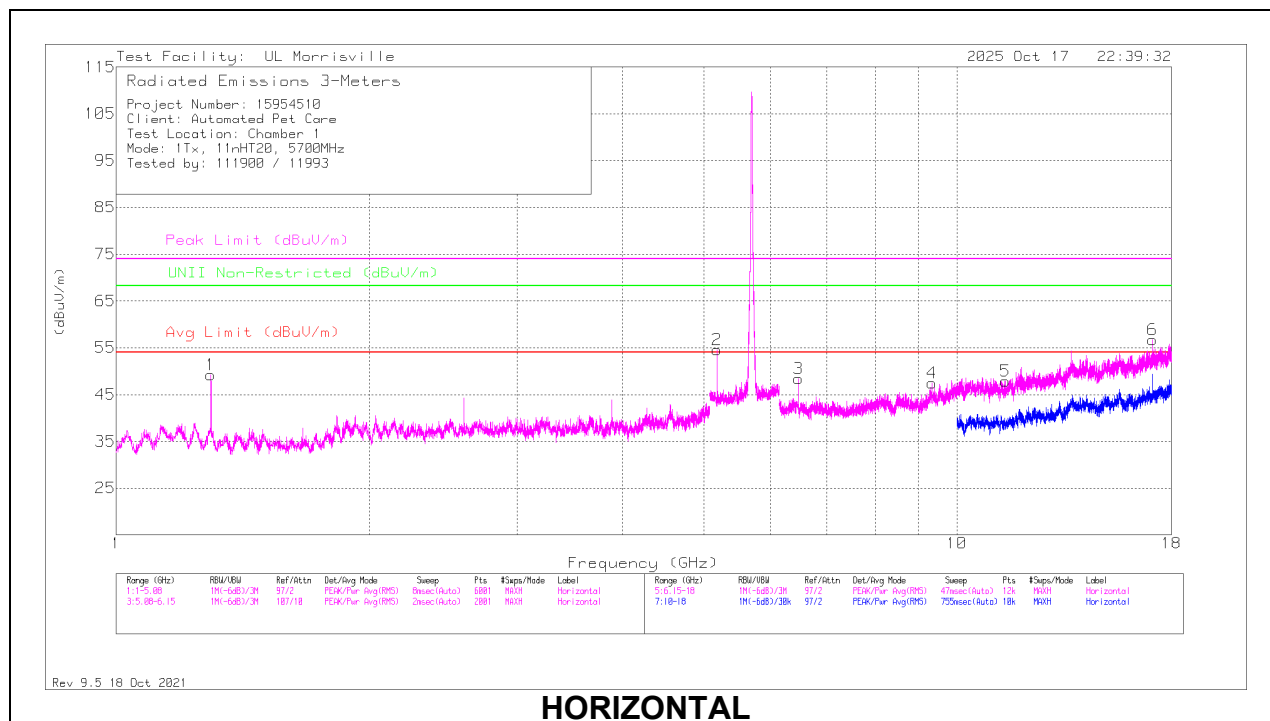
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK-U - Maximum Peak

ADV - Linear Voltage Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.29594	69.32	PK-U	29.1	-47.2	51.22	-	-	74	-22.78	-	-	300	204	H
	* 1.296	66.81	ADV	29.1	-47.2	48.71	54	-5.29	-	-	-	-	300	204	H
11	* 1.296	68.92	PK-U	29.1	-47.2	50.82	-	-	74	-23.18	-	-	19	130	V
	* 1.29601	66.35	ADV	29.1	-47.2	48.25	54	-5.75	-	-	-	-	19	130	V
2	** 5.18379	43.99	Pk	34.3	-23.7	54.59	-	-	-	-	68.2	-13.61	0-360	101	H
10	** 5.18379	42.54	Pk	34.3	-23.7	53.14	-	-	-	-	68.2	-15.06	0-360	101	V
4	*** 9.34358	51.38	Pk	36.2	-40.1	47.48	54	-6.52	74	-26.52	-	-	0-360	101	H
5	*** 11.41239	49.86	Pk	37.7	-39.7	47.86	54	-6.14	74	-26.14	-	-	0-360	101	H
8	*** 11.39657	55.25	PK-U	37.7	-39.5	53.45	-	-	74	-20.55	-	-	336	102	V
	*** 11.39617	42.26	ADV	37.7	-39.5	40.46	54	-13.54	-	-	-	-	336	102	V
12	*** 7.55423	50.32	Pk	35.5	-42.1	43.72	54	-10.28	74	-30.28	-	-	0-360	200	V
3	6.47983	56.32	Pk	35.6	-43.5	48.42	-	-	-	-	68.2	-19.78	0-360	101	H
9	6.47983	54.81	Pk	35.6	-43.5	46.91	-	-	-	-	68.2	-21.29	0-360	200	V
6	17.09841	52.25	Pk	41.2	-36.7	56.75	-	-	-	-	68.2	-11.45	0-360	199	H
7	17.10434	52.85	Pk	41.2	-36.5	57.55	-	-	-	-	68.2	-10.65	0-360	200	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK-U - Maximum Peak

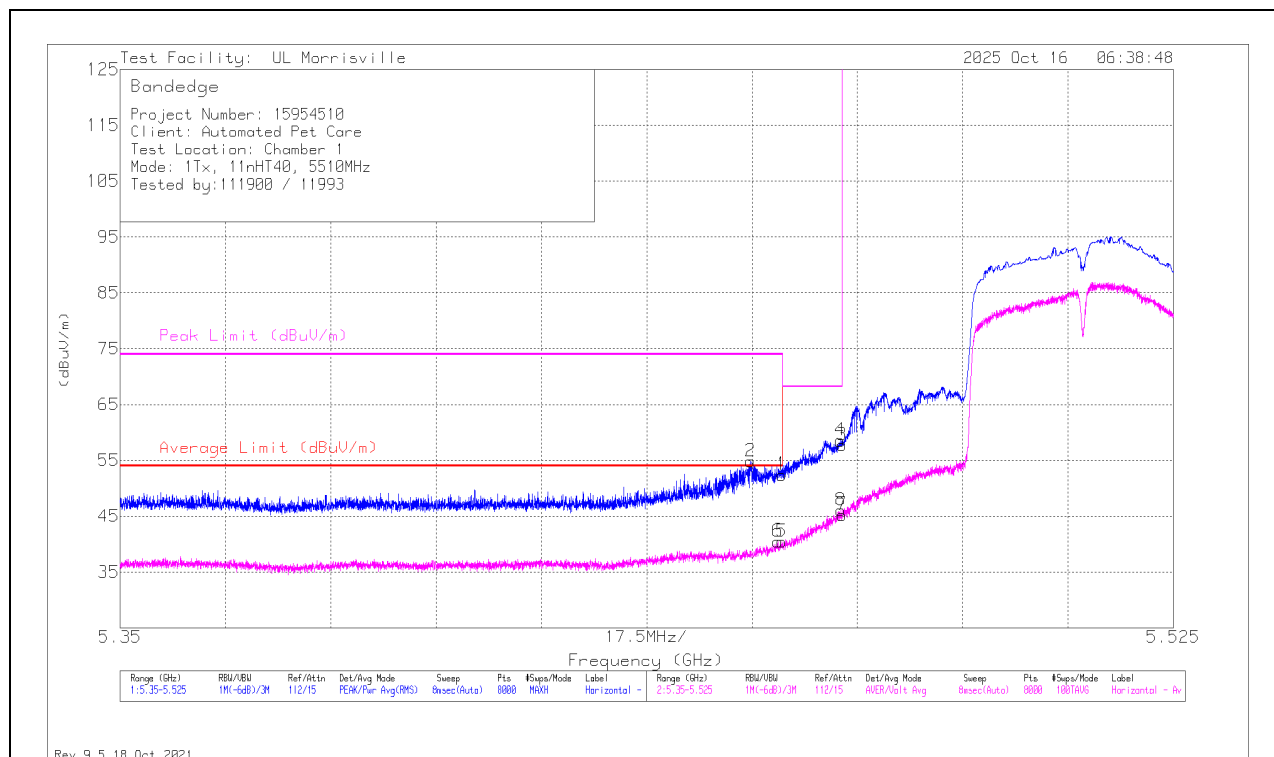
ADV - Linear Voltage Average

10.1.9. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.6 GHz BAND

1TX Antenna 1 MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	41.21	Pk	34.4	-23.2	0	52.41	-	-	74	-21.59	354	148	H
2	* ** 5.45473	43.81	Pk	34.4	-23.4	0	54.81	-	-	74	-19.19	354	148	H
5	* ** 5.45998	29.24	ADV	34.4	-23.2	0	40.44	54	-13.56	-	-	354	148	H
6	* ** 5.45928	29.39	ADV	34.4	-23.3	0	40.49	54	-13.51	-	-	354	148	H
4	5.46961	47.35	Pk	34.4	-23.2	0	58.55	-	-	68.2	-9.65	354	148	H
8	5.46976	34.84	ADV	34.4	-23.2	0	46.04	-	-	-	-	354	148	H
3	5.46998	46.53	Pk	34.4	-23.2	0	57.73	-	-	68.2	-10.47	354	148	H
7	5.46998	34.02	ADV	34.4	-23.2	0	45.22	-	-	-	-	354	148	H

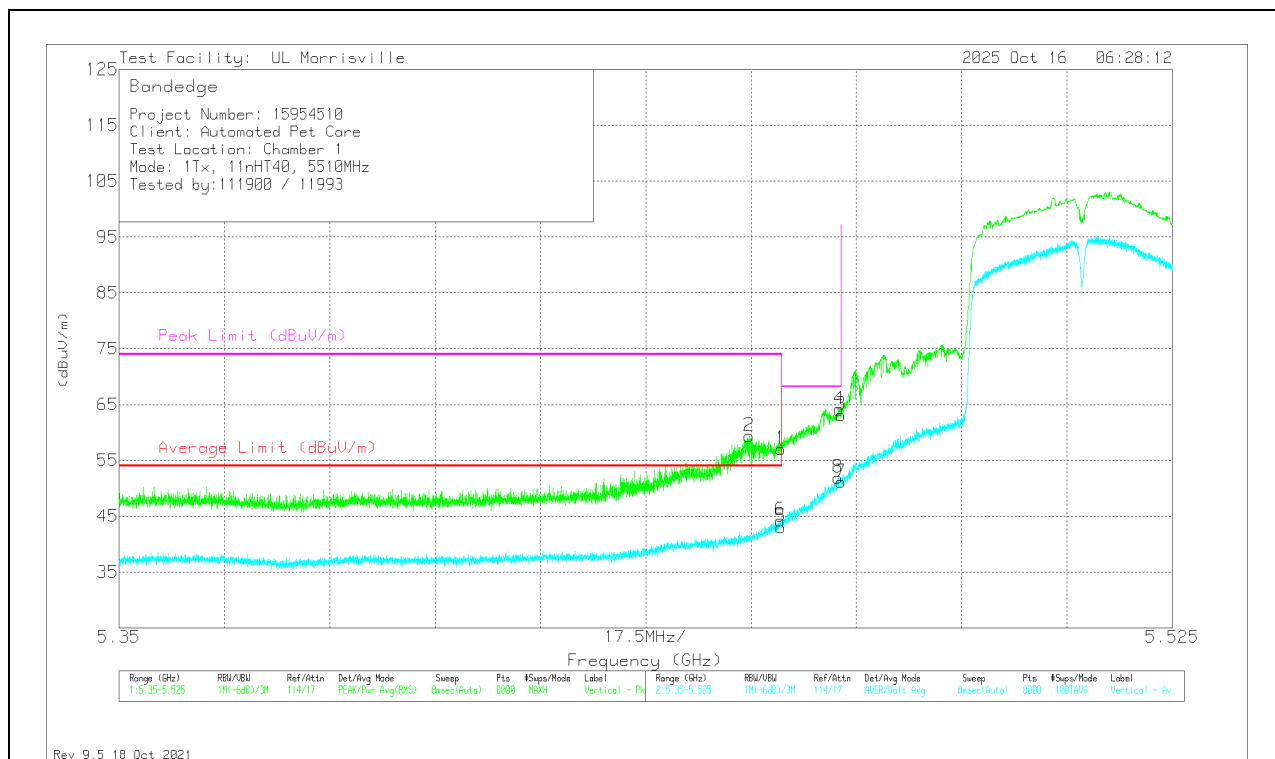
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



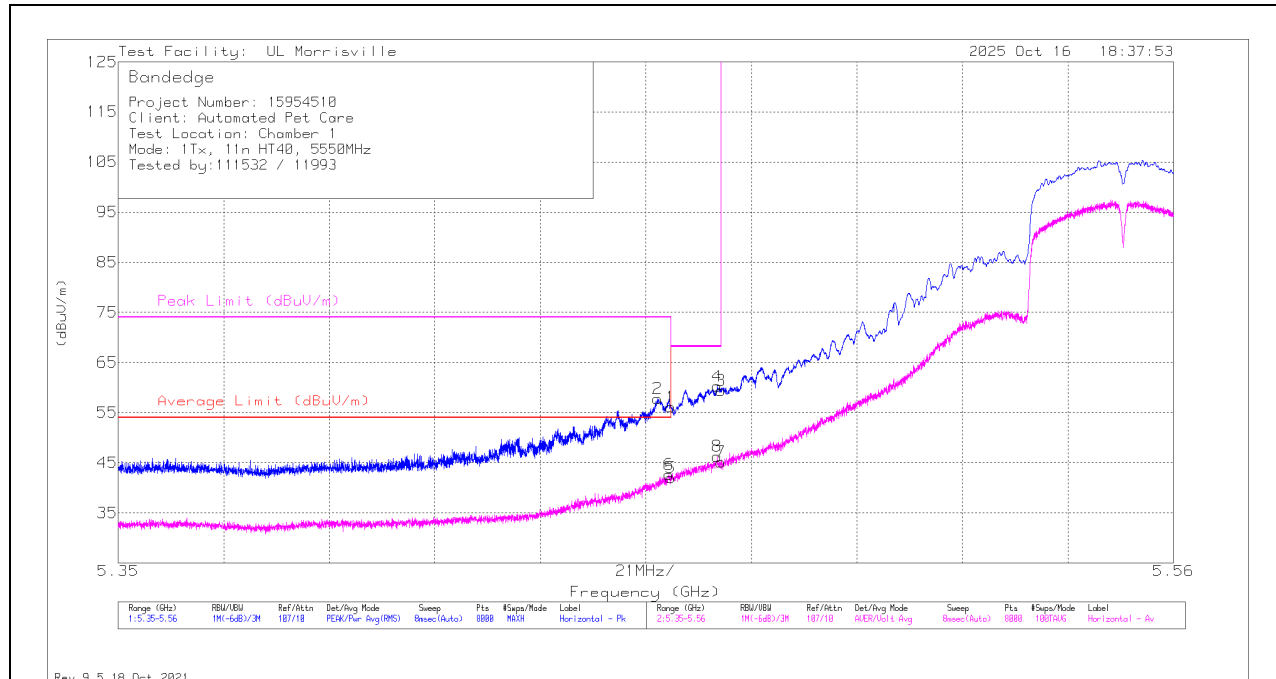
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45998	45.85	Pk	34.4	-23.2	0	57.05	-	-	74	-16.95	336	241	V
2	* ** 5.45469	48.37	Pk	34.4	-23.4	0	59.37	-	-	74	-14.63	336	241	V
5	* ** 5.45998	31.87	ADV	34.4	-23.2	0	43.07	54	-10.93	-	-	336	241	V
6	* ** 5.45983	33.09	ADV	34.4	-23.2	0	44.29	54	-9.71	-	-	336	241	V
8	5.46945	40.72	ADV	34.4	-23.2	0	51.92	-	-	-	-	336	241	V
4	5.46961	52.97	Pk	34.4	-23.2	0	64.17	-	-	68.2	-4.03	336	241	V
3	5.46998	51.96	Pk	34.4	-23.2	0	63.16	-	-	68.2	-5.04	336	241	V
7	5.46998	39.94	ADV	34.4	-23.2	0	51.14	-	-	-	-	336	241	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

BANDEDGE (LOW CHANNEL)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 5.45997	44.91	Pk	34.4	-23.2	0	56.11	-	-	74	-17.89	197	275	H
2	* ** 5.45732	46.65	Pk	34.4	-23.3	0	57.75	-	-	74	-16.25	197	275	H
5	* ** 5.45997	30.85	ADV	34.4	-23.2	0	42.05	54	-11.95	-	-	197	275	H
6	* ** 5.45963	31.43	ADV	34.4	-23.2	0	42.63	54	-11.37	-	-	197	275	H
8	5.46919	35.08	ADV	34.4	-23.2	0	46.28	-	-	-	-	197	275	H
4	5.46924	49.04	Pk	34.4	-23.2	0	60.24	-	-	68.2	-7.96	197	275	H
3	5.46998	48.18	Pk	34.4	-23.2	0	59.38	-	-	68.2	-8.82	197	275	H
7	5.46998	33.97	ADV	34.4	-23.2	0	45.17	-	-	-	-	197	275	H

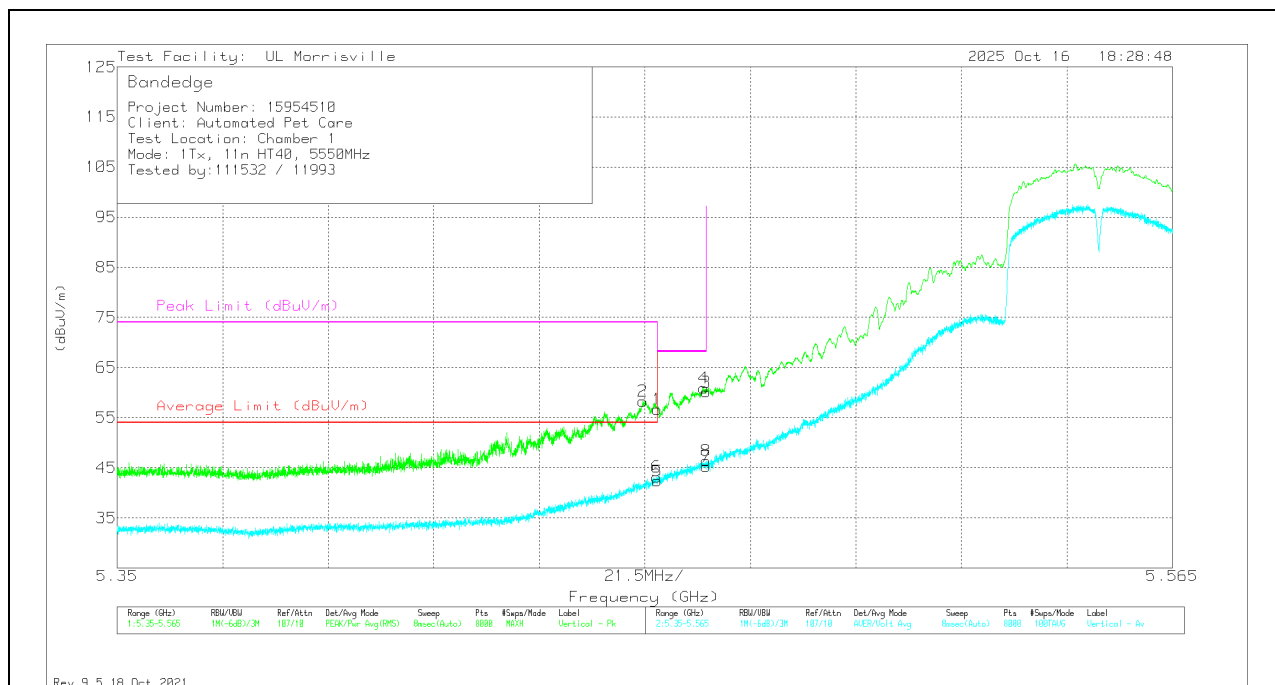
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



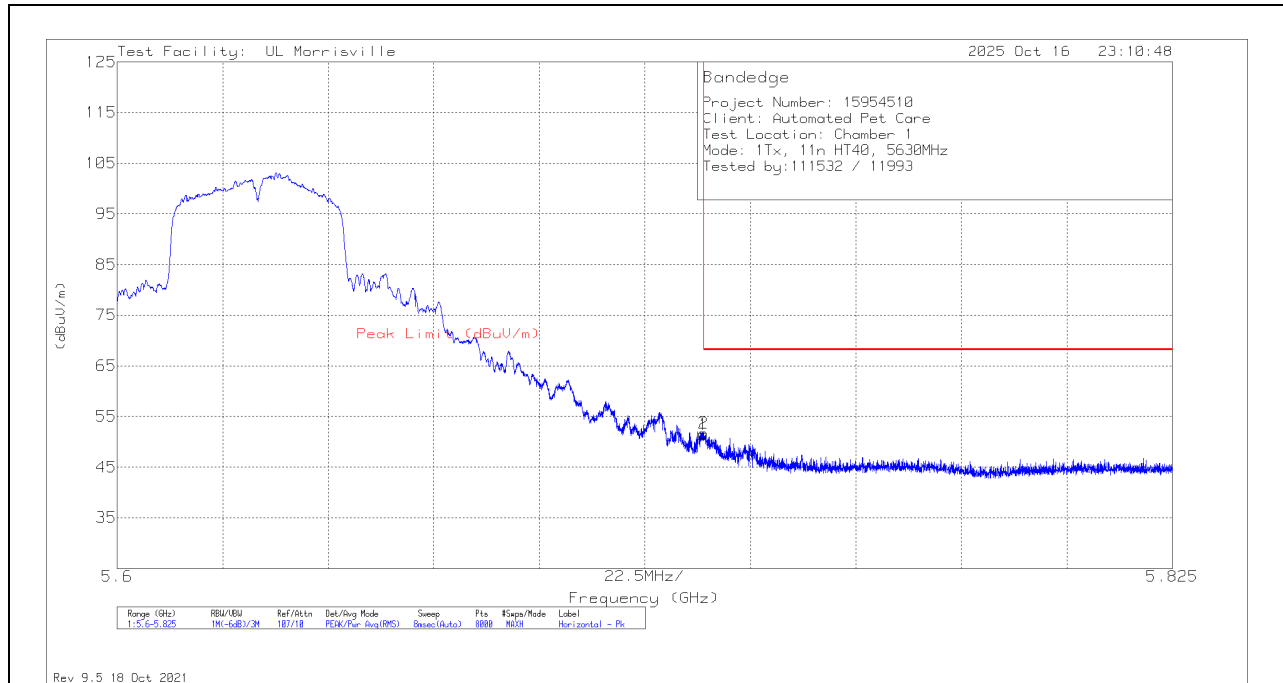
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	*** 5.45998	45.49	Pk	34.4	-23.2	0	56.69	-	-	74	-17.31	299	267	V
2	*** 5.45706	47.24	Pk	34.4	-23.3	0	58.34	-	-	74	-15.66	299	267	V
5	*** 5.45998	31.13	ADV	34.4	-23.2	0	42.33	54	-11.67	-	-	299	267	V
6	*** 5.45993	31.95	ADV	34.4	-23.2	0	43.15	54	-10.85	-	-	299	267	V
4	5.46947	49.75	Pk	34.4	-23.2	0	60.95	-	-	68.2	-7.25	299	267	V
8	5.46996	35.2	ADV	34.4	-23.2	0	46.4	-	-	-	-	299	267	V
3	5.46998	48.9	Pk	34.4	-23.2	0	60.1	-	-	68.2	-8.1	299	267	V
7	5.46998	34.02	ADV	34.4	-23.2	0	45.22	-	-	-	-	299	267	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

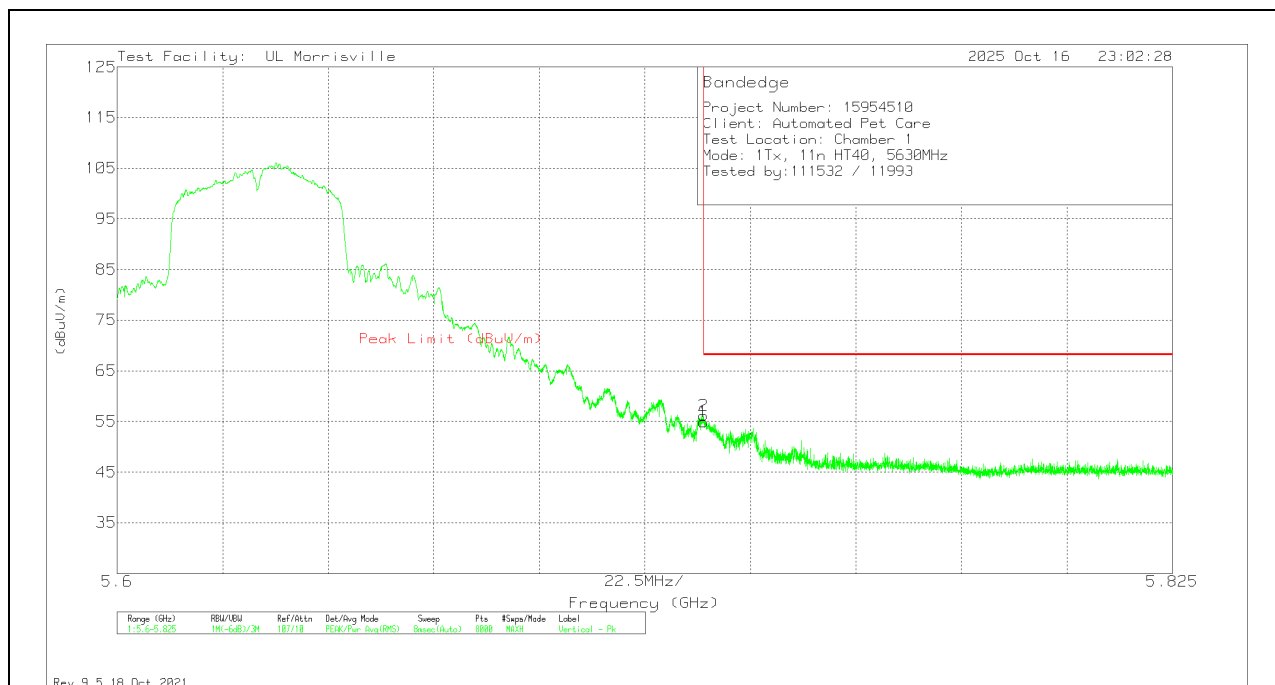
ADV - Linear Voltage Average

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72501	39.65	Pk	34.7	-22.9	0	51.45	68.2	-16.75	193	110	H
2	5.72503	39.93	Pk	34.7	-22.9	0	51.73	68.2	-16.47	193	110	H

Pk - Peak detector

VERTICAL RESULT

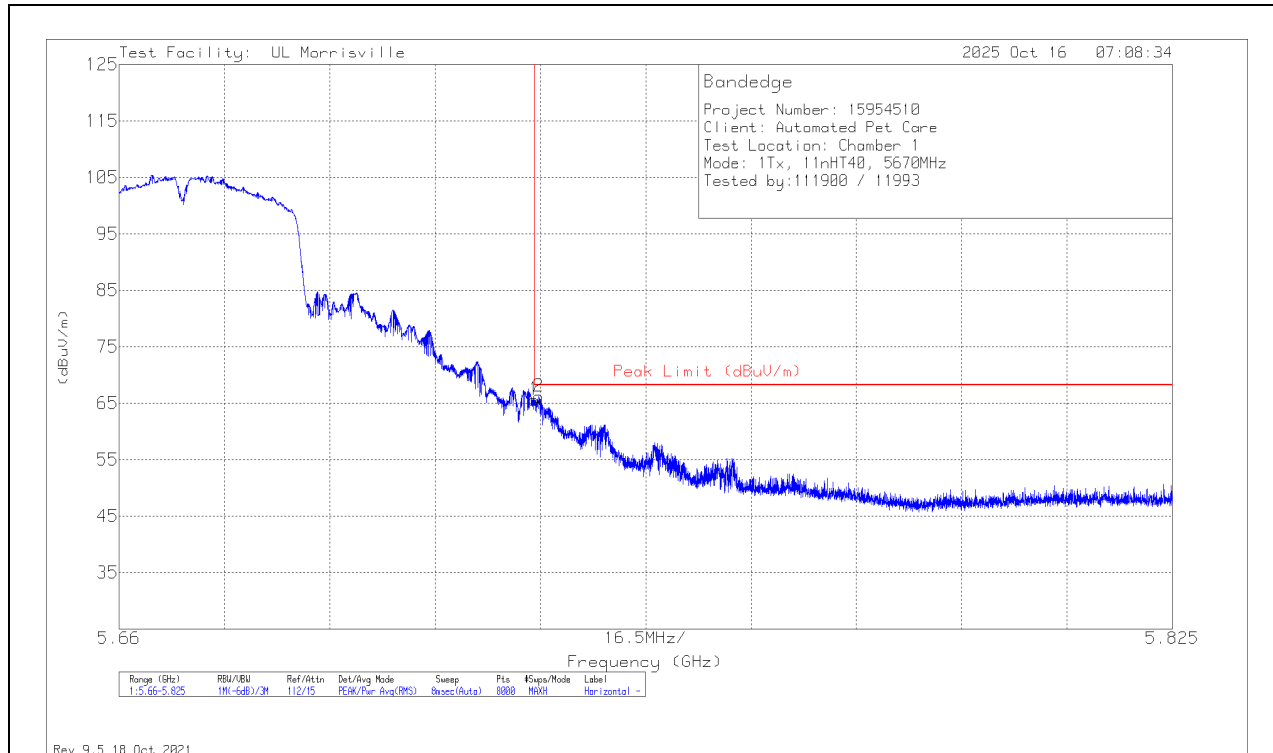


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72501	43.12	Pk	34.7	-22.9	0	54.92	68.2	-13.28	294	252	V
2	5.72503	44.42	Pk	34.7	-22.9	0	56.22	68.2	-11.98	294	252	V

Pk - Peak detector

BANDEDGE (HIGH CHANNEL)

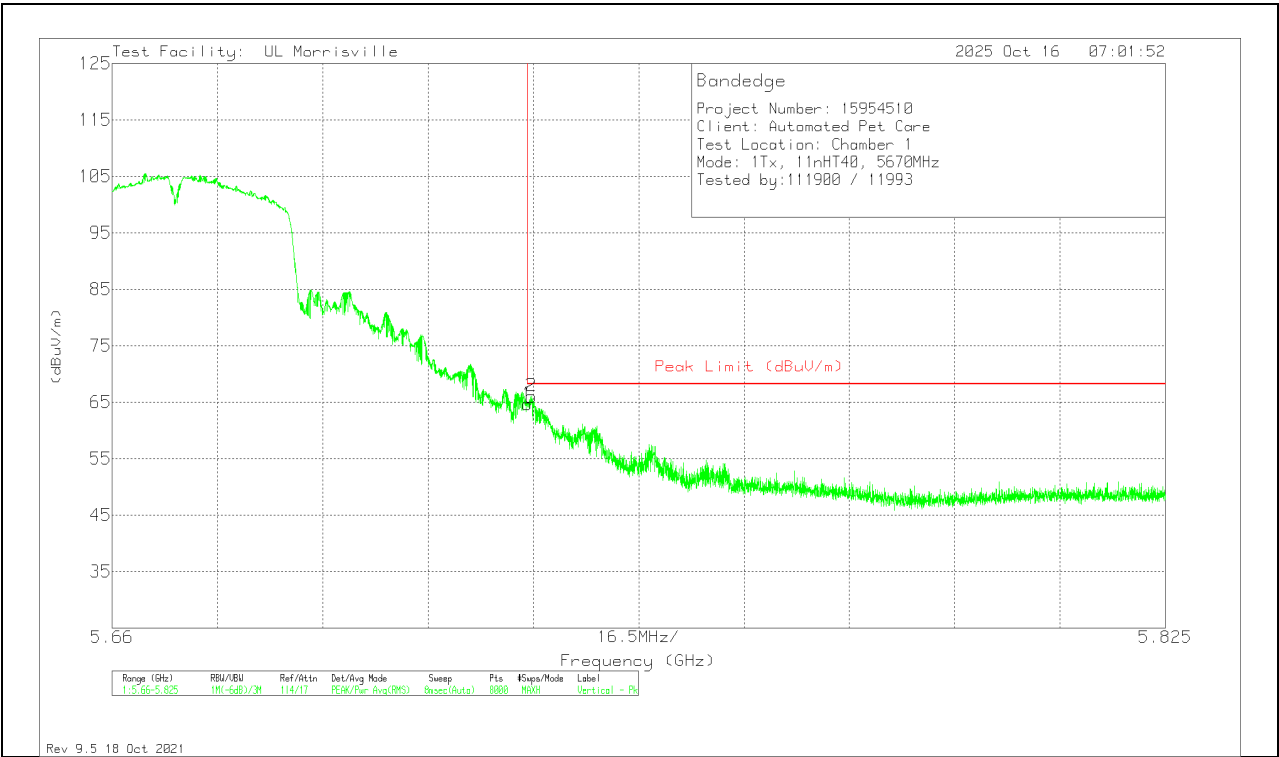
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	53.8	Pk	34.7	-22.9	0	65.6	68.2	-2.6	202	152	H
2	5.7257	54.34	Pk	34.7	-22.9	0	66.14	68.2	-2.06	202	152	H

Pk - Peak detector

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.72502	52.81	Pk	34.7	-22.9	0	64.61	68.2	-3.59	308	289	V
2	5.72568	54.22	Pk	34.7	-22.9	0	66.02	68.2	-2.18	308	289	V

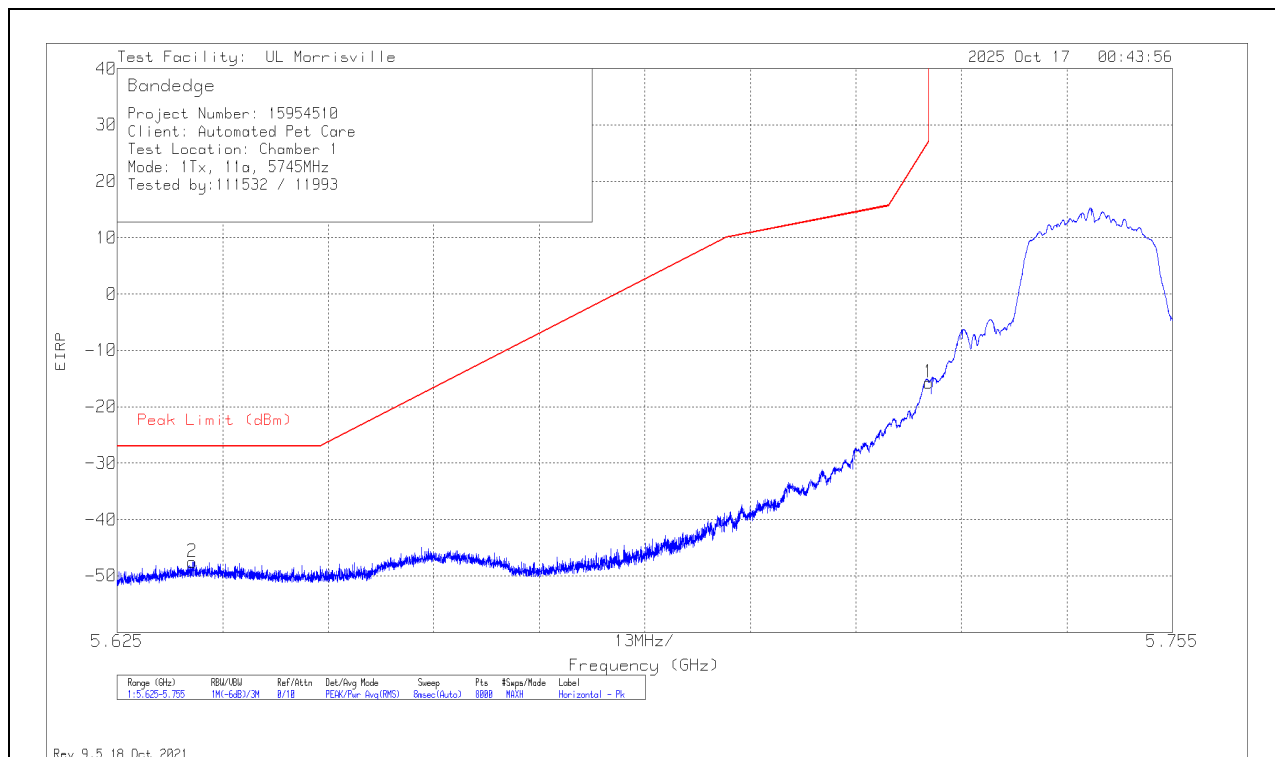
Pk - Peak detector

10.1.10. TX ABOVE 1 GHz 802.11a MODE IN THE 5.8 GHz BAND

1TX Antenna 1 MODE

BANDEDGE (LOW CHANNEL)

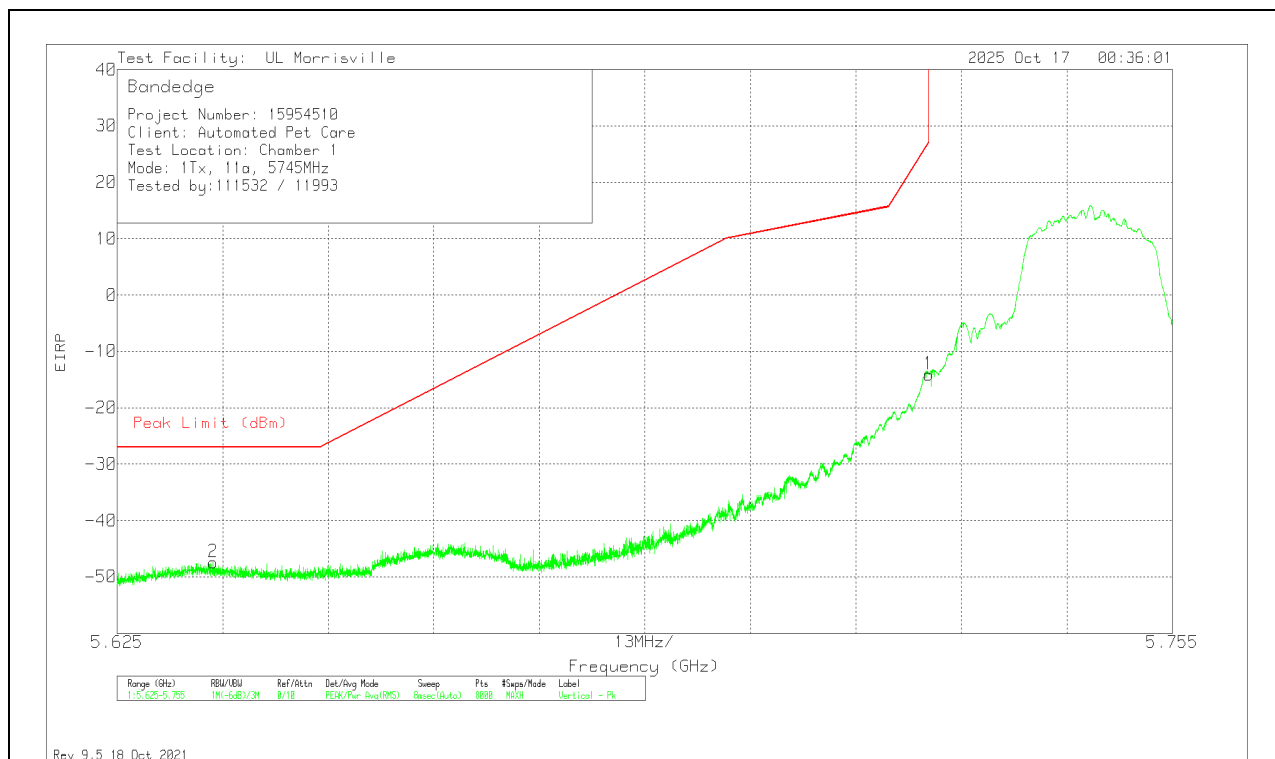
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.63425	-71.03	Pk	34.6	-22.9	11.8	0	-47.53	-27	-20.53	259	354	H
1	5.725	-39.33	Pk	34.7	-22.9	11.8	0	-15.73	27	-42.73	259	354	H

Pk - Peak detector

VERTICAL RESULT

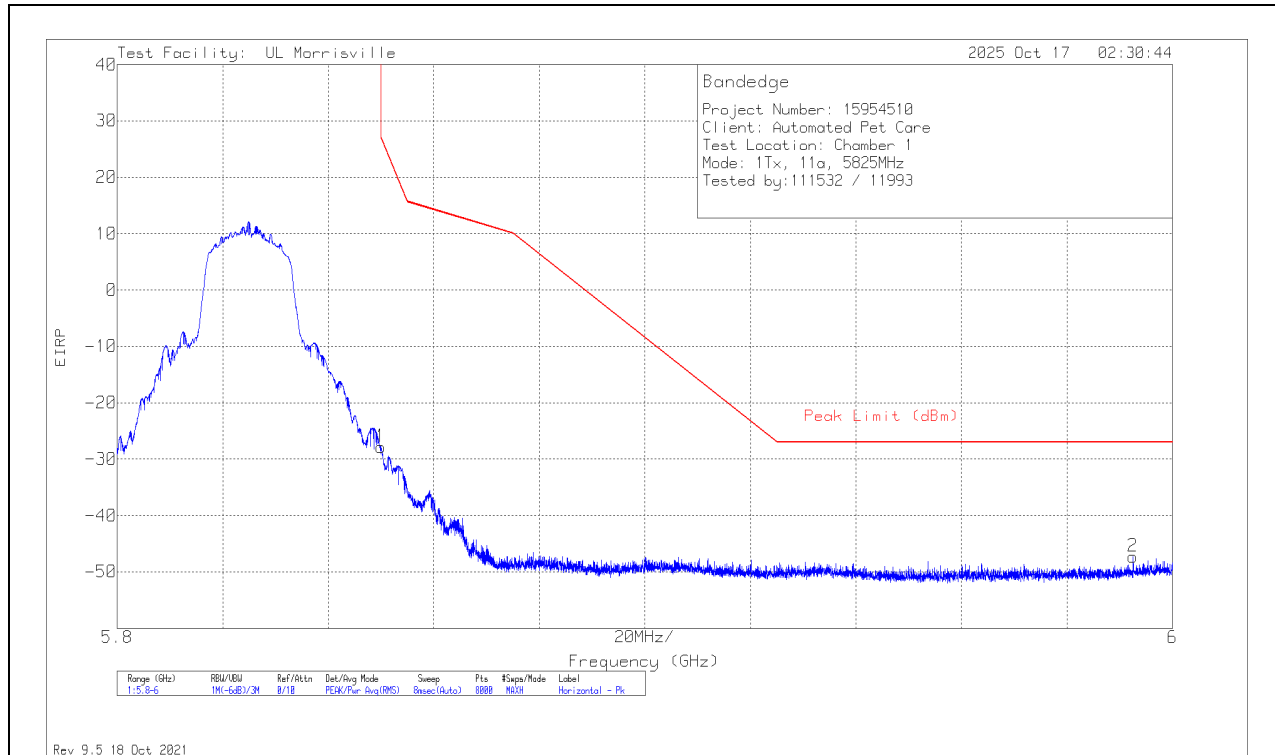


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.63683	-70.71	Pk	34.6	-23.1	11.8	0	-47.41	-27	-20.41	300	295	V
1	5.725	-37.66	Pk	34.7	-22.9	11.8	0	-14.06	27	-41.06	300	295	V

Pk - Peak detector

BANDEGE (HIGH CHANNEL)

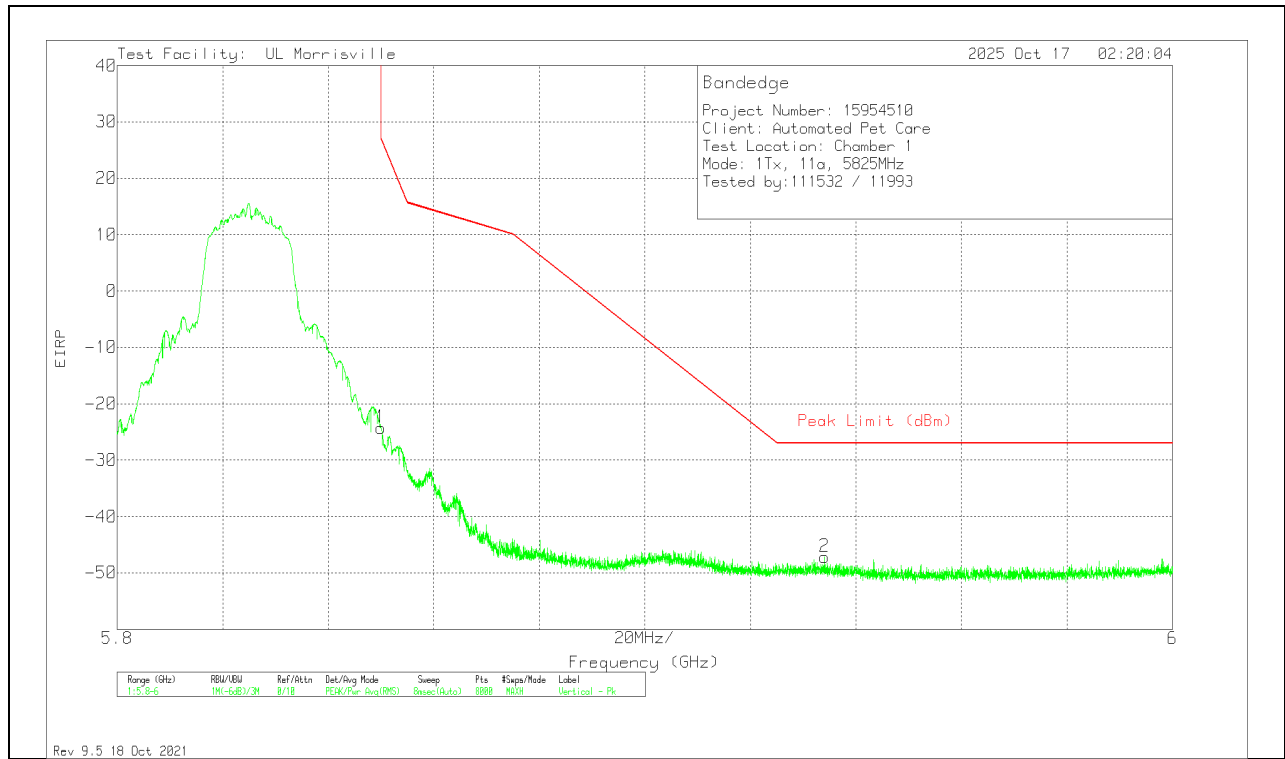
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85001	-51.2	Pk	35	-23.4	11.8	0	-27.8	26.99	-54.79	218	249	H
2	5.99255	-71.88	Pk	35.1	-22.3	11.8	0	-47.28	-27	-20.28	218	249	H

Pk - Peak detector

VERTICAL RESULT

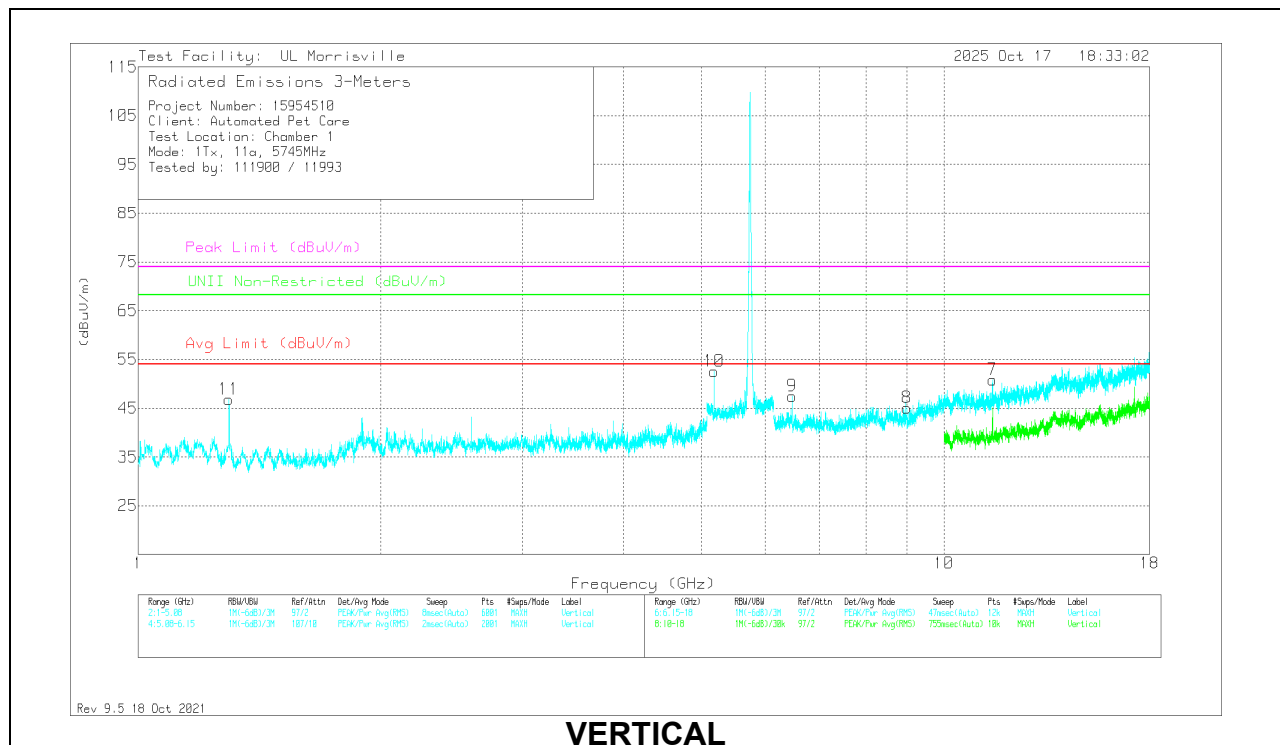
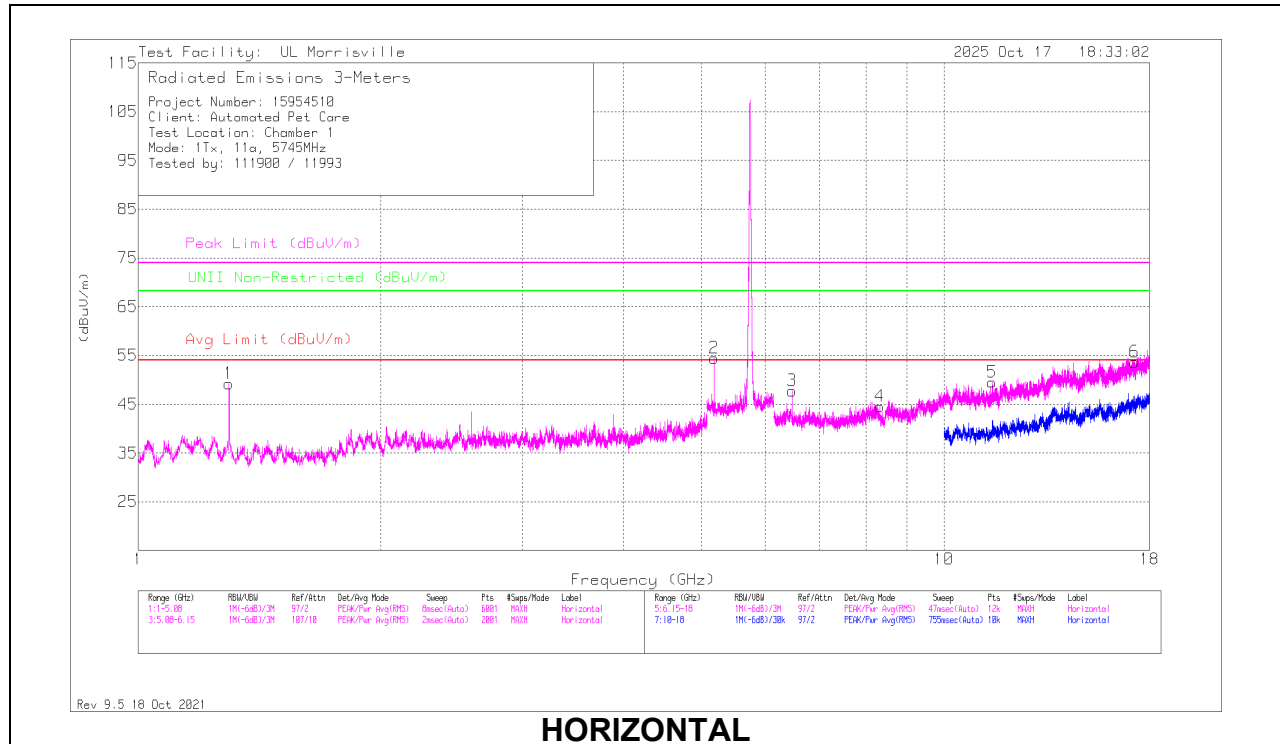


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85001	-47.67	Pk	35	-23.4	11.8	0	-24.27	26.99	-51.26	294	246	V
2	5.93409	-71.89	Pk	35.1	-22.2	11.8	0	-47.19	-27	-20.19	294	246	V

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.29587	63.91	PK-U	29.1	-47.2	45.81	-	-	74	-28.19	-	-	339	394	H
	* 1.29604	58.45	ADV	29.1	-47.2	40.35	54	-13.65	-	-	-	-	339	394	H
11	* 1.2958	64.9	Pk	29.1	-47.2	46.8	54	-7.2	74	-27.2	-	-	0-360	101	V
2	** 5.18379	43.83	Pk	34.3	-23.7	54.43	-	-	-	-	68.2	-13.77	0-360	101	H
10	** 5.18379	41.98	Pk	34.3	-23.7	52.58	-	-	-	-	68.2	-15.62	0-360	101	V
4	*** 8.32645	50.32	Pk	35.8	-41.6	44.52	54	-9.48	74	-29.48	-	-	0-360	101	H
5	* ** 11.48919	56.04	PK-U	37.9	-39.4	54.54	-	-	74	-19.46	-	-	95	207	H
	* ** 11.48903	42.45	ADV	37.9	-39.4	40.95	54	-13.05	-	-	-	-	95	207	H
7	*** 11.4891	57.17	PK-U	37.9	-39.4	55.67	-	-	74	-18.33	-	-	295	201	V
	*** 11.49015	43.21	ADV	37.9	-39.4	41.71	54	-12.29	-	-	-	-	295	201	V
3	6.47983	55.62	Pk	35.6	-43.5	47.72	-	-	-	-	68.2	-20.48	0-360	101	H
9	6.47983	55.34	Pk	35.6	-43.5	47.44	-	-	-	-	68.2	-20.76	0-360	101	V
8	8.99005	50.23	Pk	35.8	-41	45.03	-	-	-	-	68.2	-23.17	0-360	101	V
6	17.2337	48.65	Pk	41.2	-36.2	53.65	-	-	-	-	68.2	-14.55	0-360	200	H

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

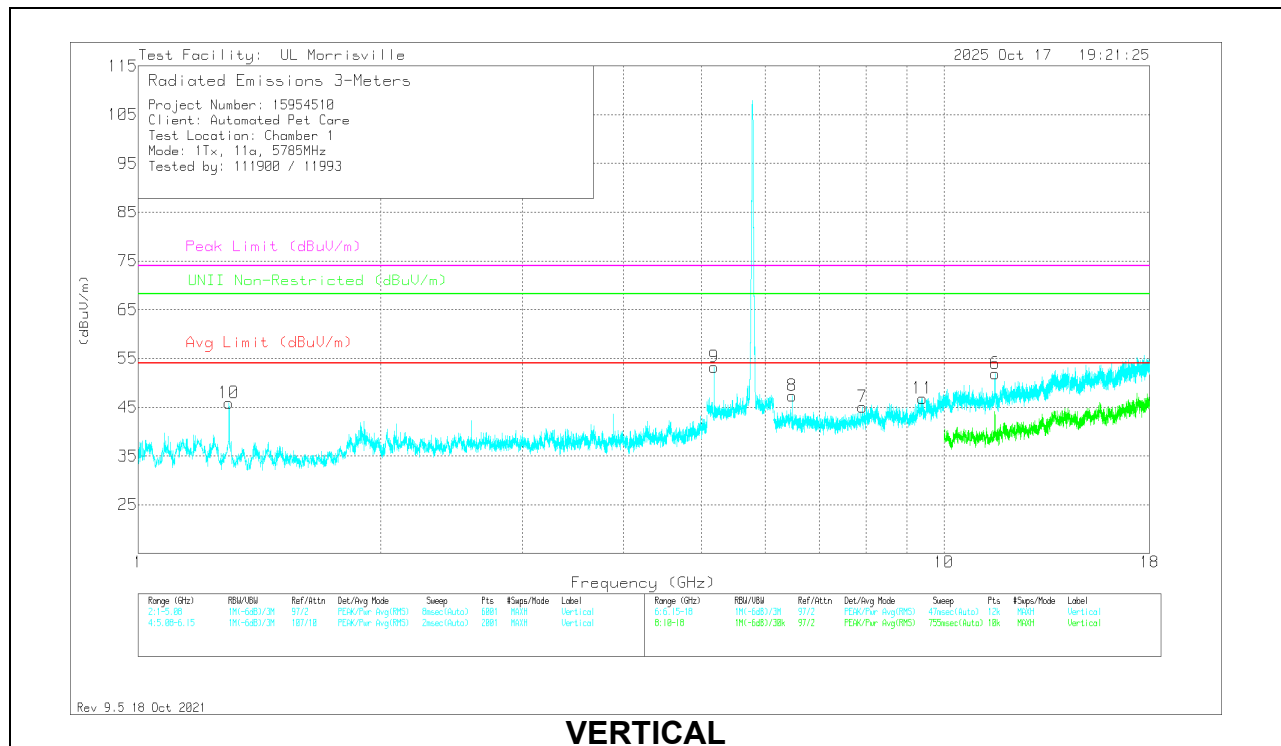
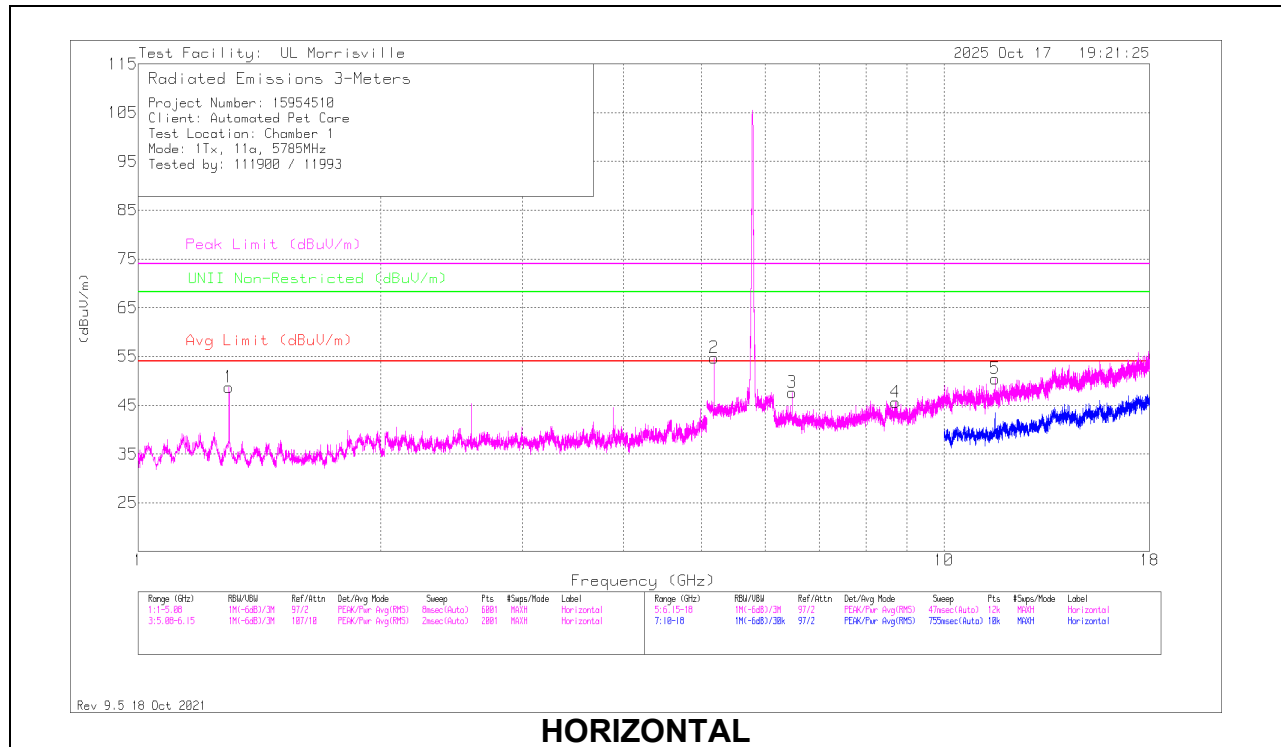
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK-U - Maximum Peak

ADV - Linear Voltage Average

MID CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.29612	70.29	PK-U	29.1	-47.2	52.19	-	-	74	-21.81	-	-	105	254	H
	* 1.29606	68.18	ADV	29.1	-47.2	50.08	54	-3.92	-	-	-	-	105	254	H
10	* 1.2958	64	Pk	29.1	-47.2	45.9	54	-8.1	74	-28.1	-	-	0-360	101	V
2	** 5.18379	44.13	Pk	34.3	-23.7	54.73	-	-	-	-	68.2	-13.47	0-360	101	H
9	** 5.18379	42.6	Pk	34.3	-23.7	53.2	-	-	-	-	68.2	-15	0-360	101	V
5	*** 11.57103	54.4	PK-U	38.1	-38.8	53.7	-	-	74	-20.3	-	-	94	279	H
	* ** 11.5714	41.39	ADV	38.1	-38.8	40.69	54	-13.31	-	-	-	-	94	279	H
6	*** 11.56921	58.37	PK-U	38.1	-38.9	57.57	-	-	74	-16.43	-	-	296	198	V
	*** 11.56904	43.75	ADV	38.1	-38.9	42.95	54	-11.05	-	-	-	-	296	198	V
11	*** 9.40678	50.72	Pk	36.3	-40.2	46.82	54	-7.18	74	-27.18	-	-	0-360	101	V
3	6.47983	55.49	Pk	35.6	-43.5	47.59	-	-	-	-	68.2	-20.61	0-360	101	H
8	6.47983	55.21	Pk	35.6	-43.5	47.31	-	-	-	-	68.2	-20.89	0-360	200	V
7	7.9196	50.13	Pk	35.8	-40.9	45.03	-	-	-	-	68.2	-23.17	0-360	200	V
4	8.70269	51.59	Pk	35.7	-41.7	45.59	-	-	-	-	68.2	-22.61	0-360	101	H

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

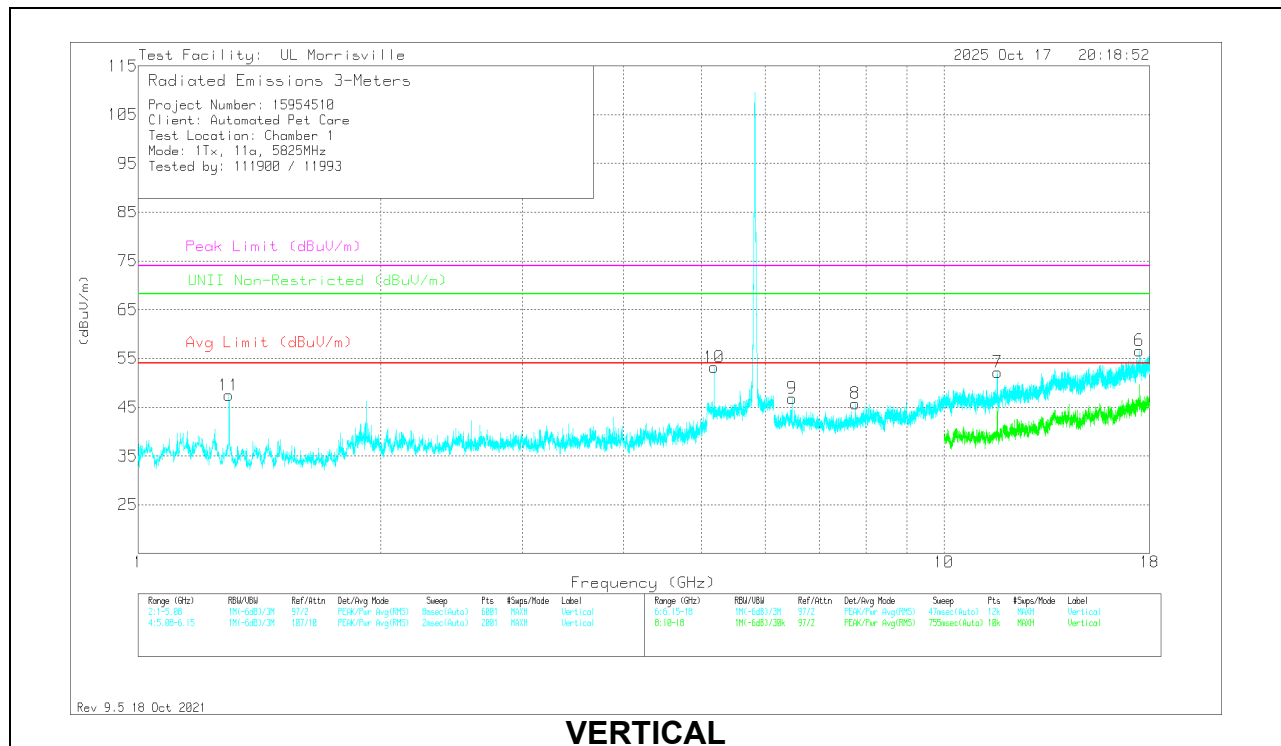
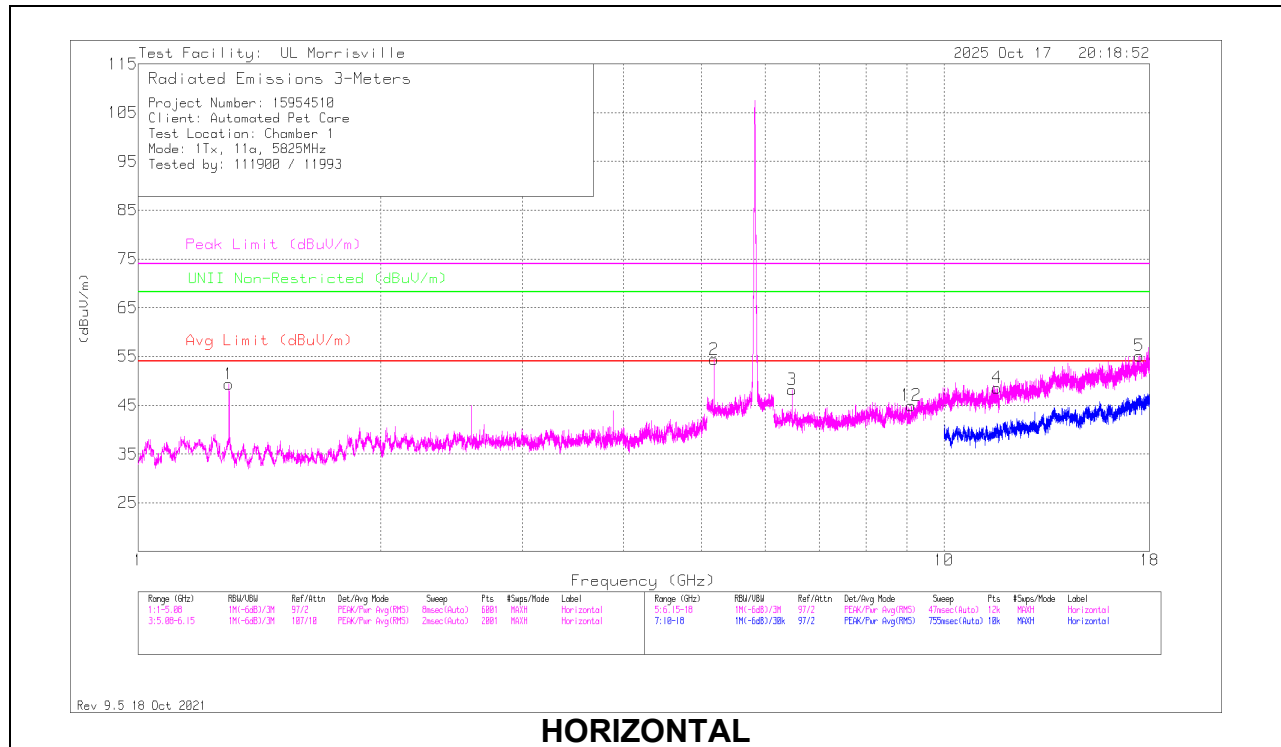
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK-U - Maximum Peak

ADV - Linear Voltage Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.29599	69.73	PK-U	29.1	-47.2	51.63	-	-	74	-22.37	-	-	107	144	H
	* 1.29603	67.44	ADV	29.1	-47.2	49.34	54	-4.66	-	-	-	-	107	144	H
11	* 1.2958	65.52	Pk	29.1	-47.2	47.42	54	-6.58	74	-26.58	-	-	0-360	101	V
2	** 5.18379	43.78	Pk	34.3	-23.7	54.38	-	-	-	-	68.2	-13.82	0-360	101	H
10	** 5.18379	42.58	Pk	34.3	-23.7	53.18	-	-	-	-	68.2	-15.02	0-360	200	V
4	*** 11.63979	52.28	PK-U	38.2	-39.3	51.18	-	-	74	-22.82	-	-	339	101	H
	*** 11.64051	39.1	ADV	38.2	-39.4	37.9	54	-16.1	-	-	-	-	339	101	H
12	*** 9.11151	50.42	Pk	35.9	-41.4	44.92	54	-9.08	74	-29.08	-	-	0-360	200	H
7	*** 11.65143	56.72	PK-U	38.2	-39.9	55.02	-	-	74	-18.98	-	-	321	175	V
	*** 11.65399	42.82	ADV	38.2	-39.6	41.42	54	-12.58	-	-	-	-	321	175	V
3	6.47983	56.11	Pk	35.6	-43.5	48.21	-	-	-	-	68.2	-19.99	0-360	101	H
9	6.47983	54.7	Pk	35.6	-43.5	46.8	-	-	-	-	68.2	-21.4	0-360	101	V
8	7.76654	52.29	Pk	35.7	-42.2	45.79	-	-	-	-	68.2	-22.41	0-360	200	V
5	17.46774	49.38	Pk	41.2	-35.5	55.08	-	-	-	-	68.2	-13.12	0-360	101	H
6	17.47169	50.88	Pk	41.2	-35.5	56.58	-	-	-	-	68.2	-11.62	0-360	200	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK-U - Maximum Peak

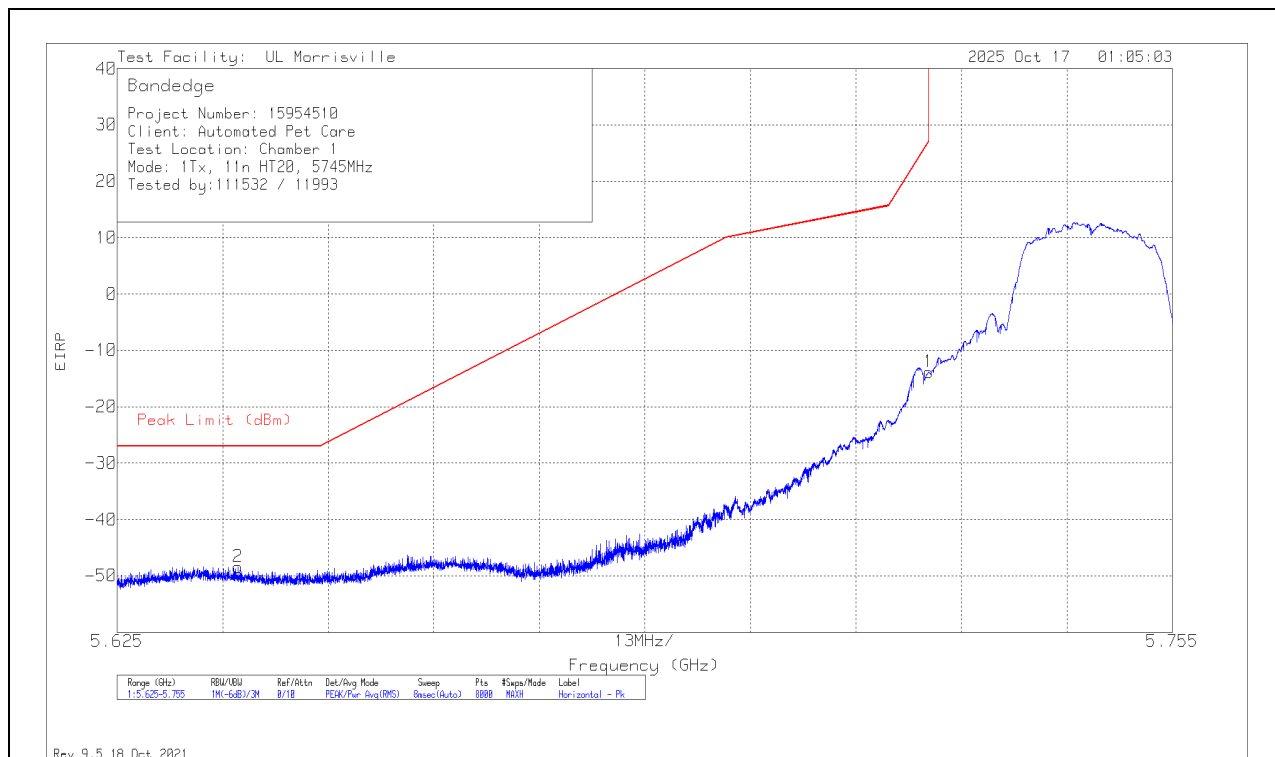
ADV - Linear Voltage Average

10.1.11. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.8 GHz BAND

1TX Antenna 1 MODE

BANDEDGE (LOW CHANNEL)

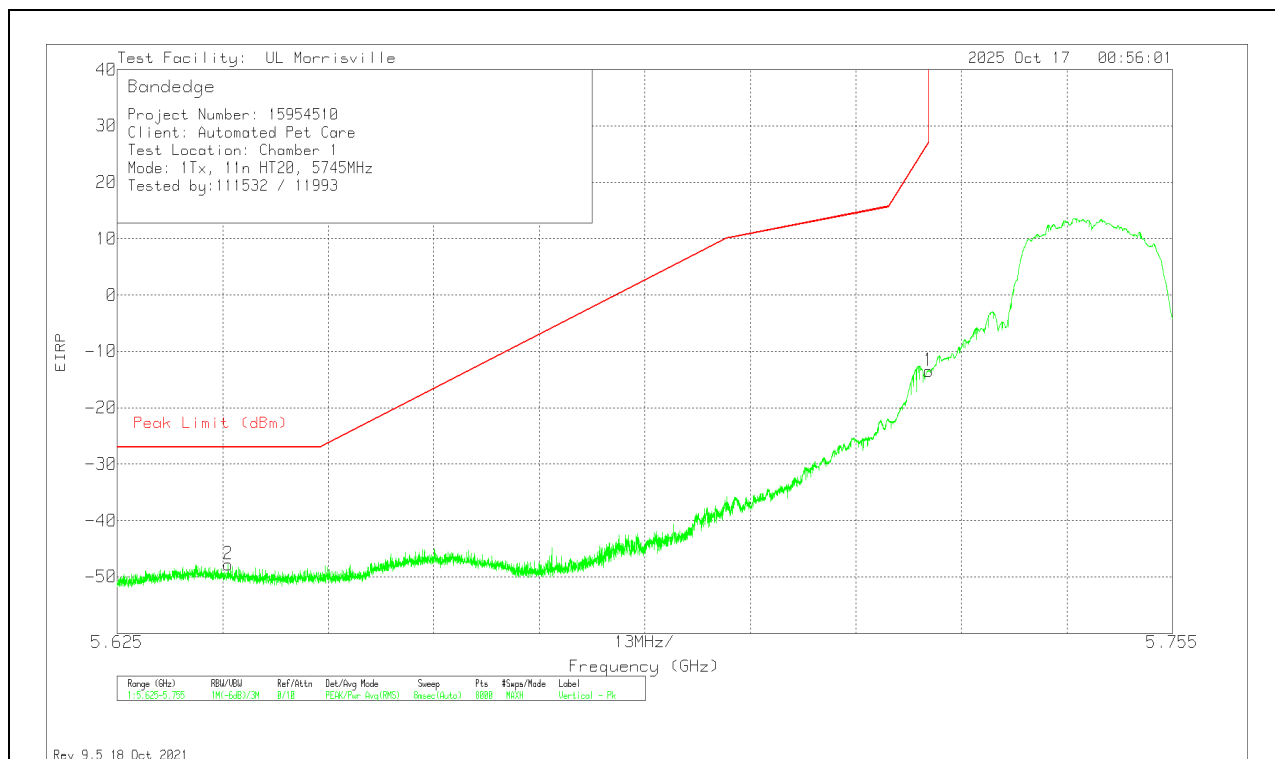
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.63989	-71.46	Pk	34.6	-23.4	11.8	0	-48.46	-27	-21.46	51	130	H
1	5.725	-37.51	Pk	34.7	-22.9	11.8	0	-13.91	27	-40.91	51	130	H

Pk - Peak detector

VERTICAL RESULT

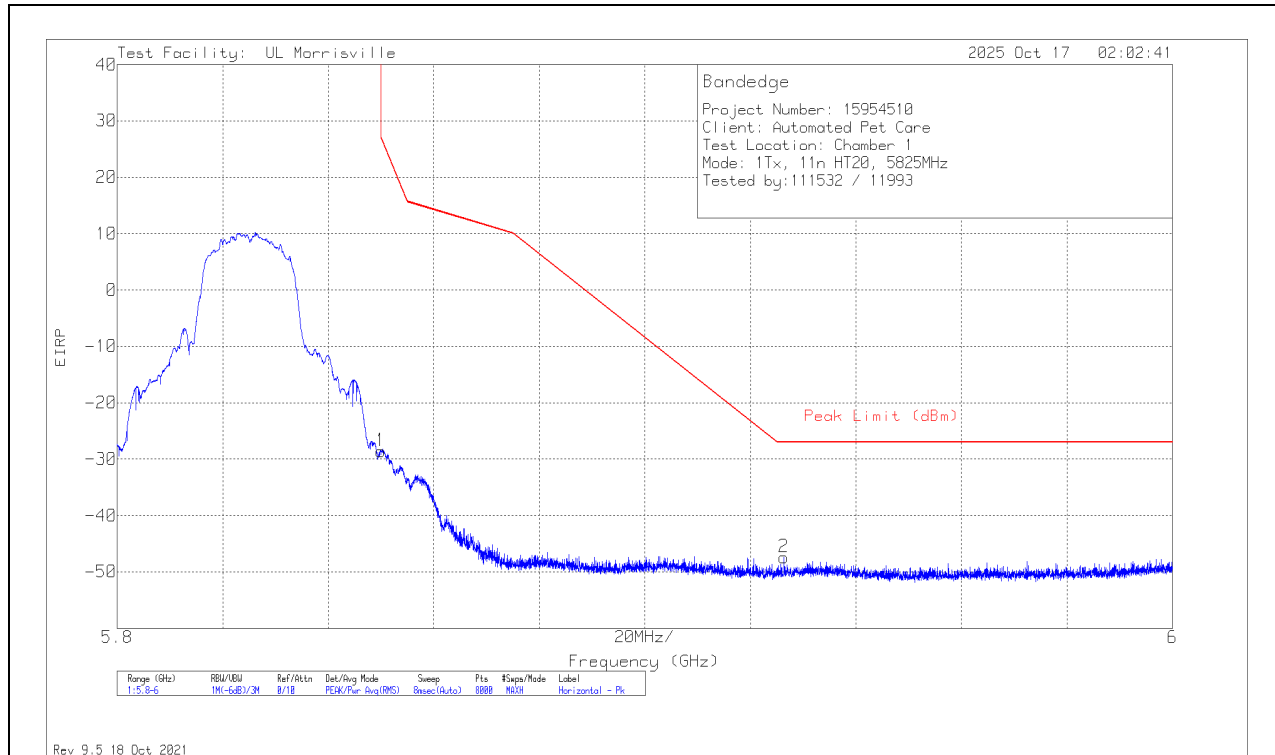


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.63868	-70.88	Pk	34.6	-23.3	11.8	0	-47.78	-27	-20.78	284	220	V
1	5.725	-37.08	Pk	34.7	-22.9	11.8	0	-13.48	27	-40.48	284	220	V

Pk - Peak detector

BANDEGE (HIGH CHANNEL)

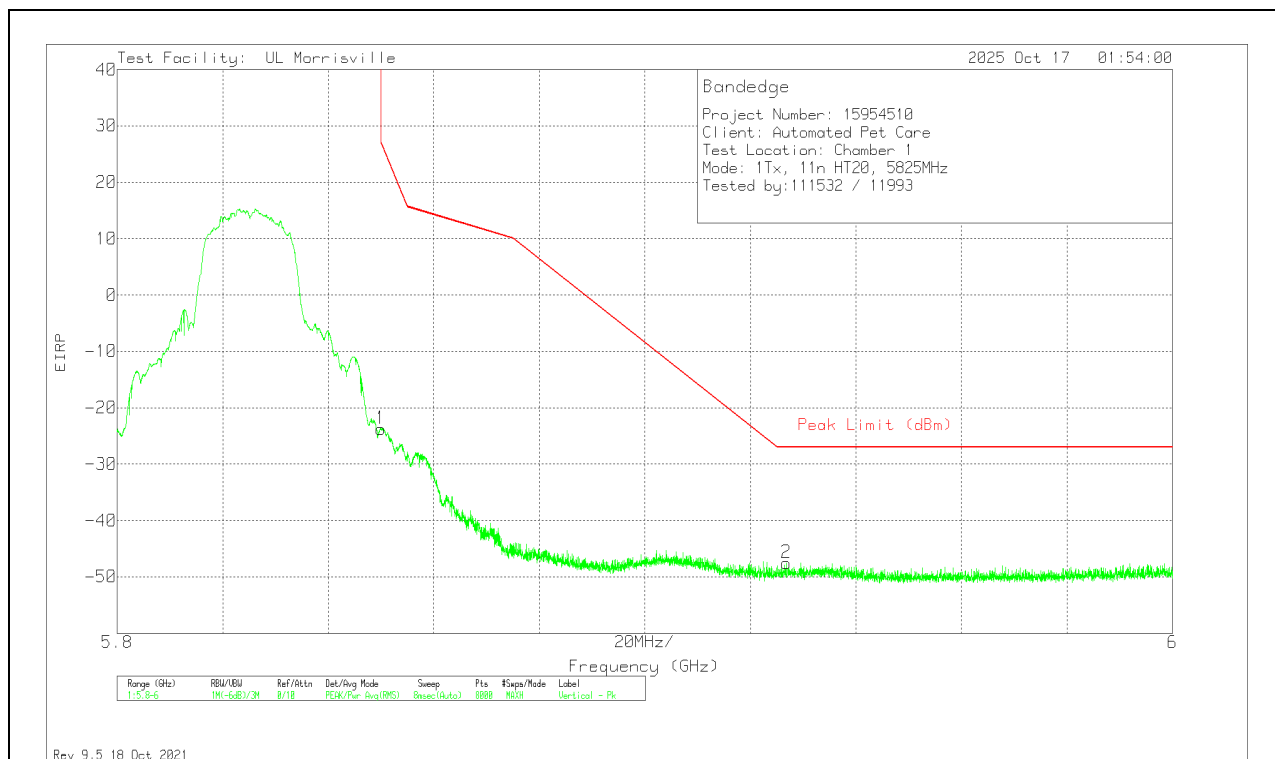
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85001	-51.95	Pk	35	-23.4	11.8	0	-28.55	26.99	-55.54	209	288	H
2	5.92639	-71.62	Pk	35.1	-22.7	11.8	0	-47.42	-27	-20.42	209	288	H

Pk - Peak detector

VERTICAL RESULT

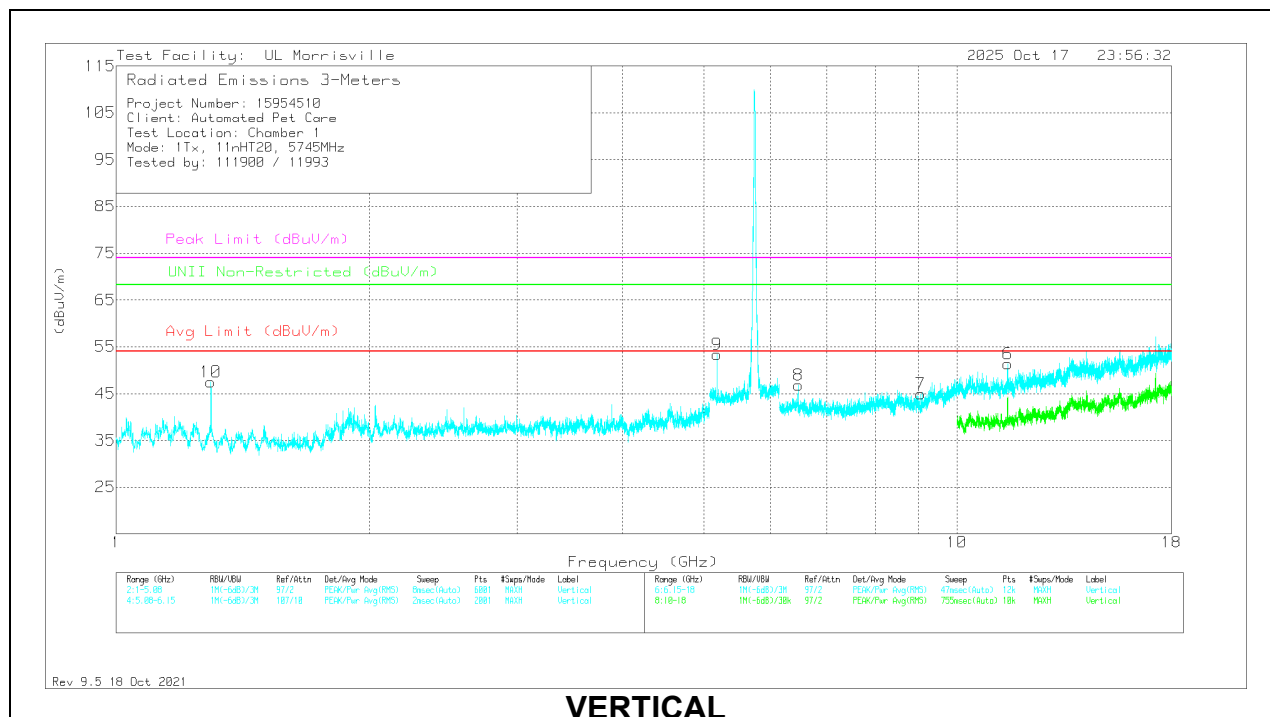
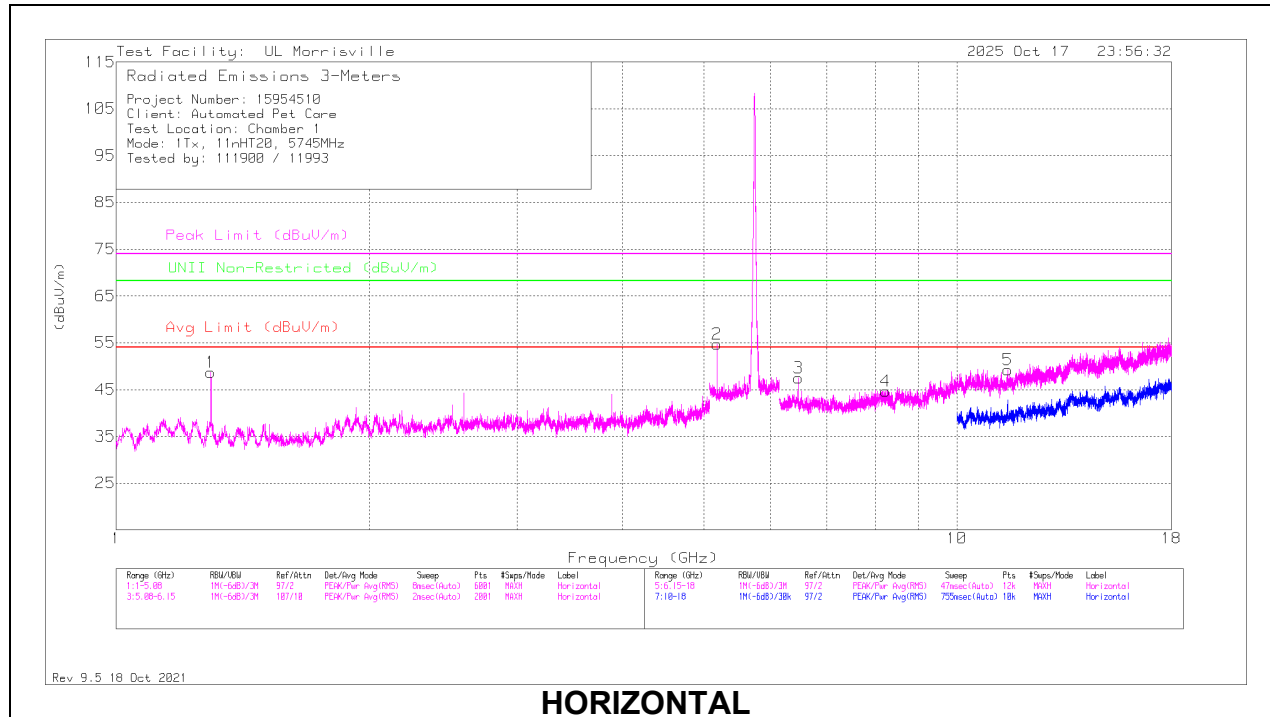


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85001	-47.17	Pk	35	-23.4	11.8	0	-23.77	26.99	-50.76	318	275	V
2	5.92682	-71.84	Pk	35.1	-22.6	11.8	0	-47.54	-27	-20.54	318	275	V

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.29601	70.84	PK-U	29.1	-47.2	52.74	-	-	74	-21.26	-	-	107	250	H
	* 1.29604	68.83	ADV	29.1	-47.2	50.73	54	-3.27	-	-	-	-	107	250	H
10	* 1.2958	65.57	Pk	29.1	-47.2	47.47	54	-6.53	74	-26.53	-	-	0-360	101	V
2	** 5.18379	44.07	Pk	34.3	-23.7	54.67	-	-	-	-	68.2	-13.53	0-360	101	H
9	** 5.18379	42.74	Pk	34.3	-23.7	53.34	-	-	-	-	68.2	-14.86	0-360	199	V
4	*** 8.22178	50.01	Pk	35.9	-41.2	44.71	54	-9.29	74	-29.29	-	-	0-360	101	H
5	*** 11.49489	54.81	PK-U	37.9	-39.2	53.51	-	-	74	-20.49	-	-	356	114	H
	*** 11.49141	41.57	ADV	37.9	-39.3	40.17	54	-13.83	-	-	-	-	356	114	H
6	*** 11.49084	57.16	PK-U	37.9	-39.3	55.76	-	-	74	-18.24	-	-	337	135	V
	*** 11.48914	43.91	ADV	37.9	-39.4	42.41	54	-11.59	-	-	-	-	337	135	V
7	*** 9.05424	50.94	Pk	35.8	-41.8	44.94	54	-9.06	74	-29.06	-	-	0-360	101	V
3	6.47983	55.37	Pk	35.6	-43.5	47.47	-	-	-	-	68.2	-20.73	0-360	101	H
8	6.47983	54.69	Pk	35.6	-43.5	46.79	-	-	-	-	68.2	-21.41	0-360	200	V

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

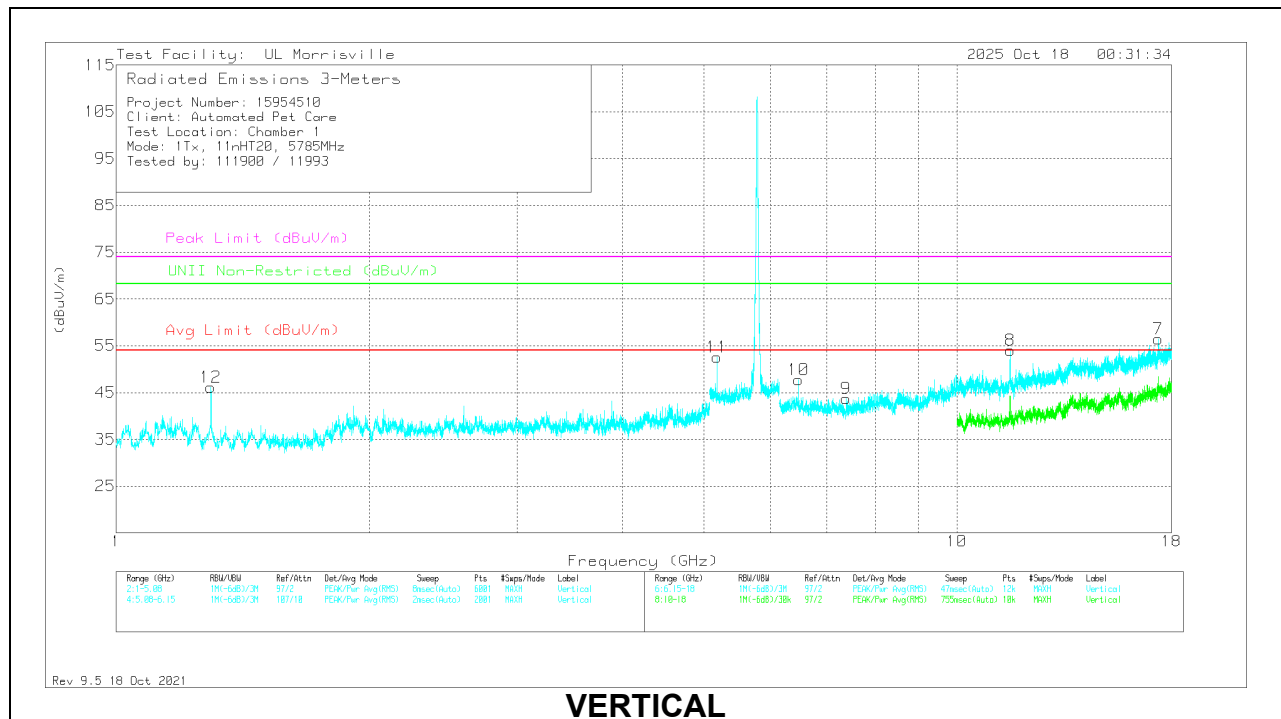
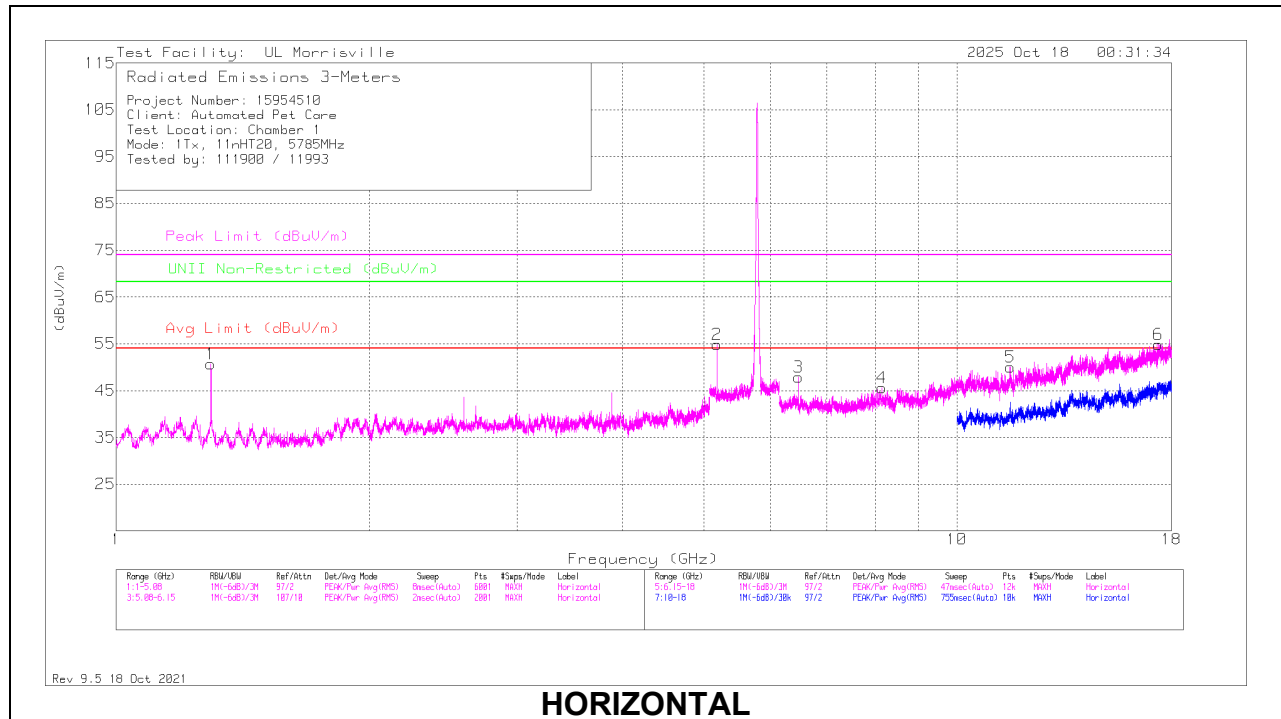
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK-U - Maximum Peak

ADV - Linear Voltage Average

MID CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.29608	70.47	PK-U	29.1	-47.2	52.37	-	-	74	-21.63	-	-	355	212	H
	* 1.29599	68.35	ADV	29.1	-47.2	50.25	54	-3.75	-	-	-	-	355	212	H
12	* 1.2958	64.2	Pk	29.1	-47.2	46.1	54	-7.9	74	-27.9	-	-	0-360	101	V
2	** 5.18379	44.28	Pk	34.3	-23.7	54.88	-	-	-	-	68.2	-13.32	0-360	101	H
11	** 5.18379	42.01	Pk	34.3	-23.7	52.61	-	-	-	-	68.2	-15.59	0-360	101	V
4	*** 8.1487	51.23	Pk	35.9	-41.5	45.63	54	-8.37	74	-28.37	-	-	0-360	101	H
5	* ** 11.57452	54.58	PK-U	38.1	-38.6	54.08	-	-	74	-19.92	-	-	336	101	H
	* ** 11.57437	40.93	ADV	38.1	-38.7	40.33	54	-13.67	-	-	-	-	336	101	H
8	*** 11.57081	57.28	PK-U	38.1	-38.8	56.58	-	-	74	-17.42	-	-	297	198	V
	*** 11.57117	44.05	ADV	38.1	-38.8	43.35	54	-10.65	-	-	-	-	297	198	V
9	*** 7.38833	50.68	Pk	35.4	-42.4	43.68	54	-10.32	74	-30.32	-	-	0-360	200	V
3	6.47983	55.83	Pk	35.6	-43.5	47.93	-	-	-	-	68.2	-20.27	0-360	101	H
10	6.47983	55.61	Pk	35.6	-43.5	47.71	-	-	-	-	68.2	-20.49	0-360	200	V
7	17.3522	51.78	Pk	41.2	-36.5	56.48	-	-	-	-	68.2	-11.72	0-360	101	V
6	17.35813	50.26	Pk	41.2	-36.6	54.86	-	-	-	-	68.2	-13.34	0-360	200	H

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

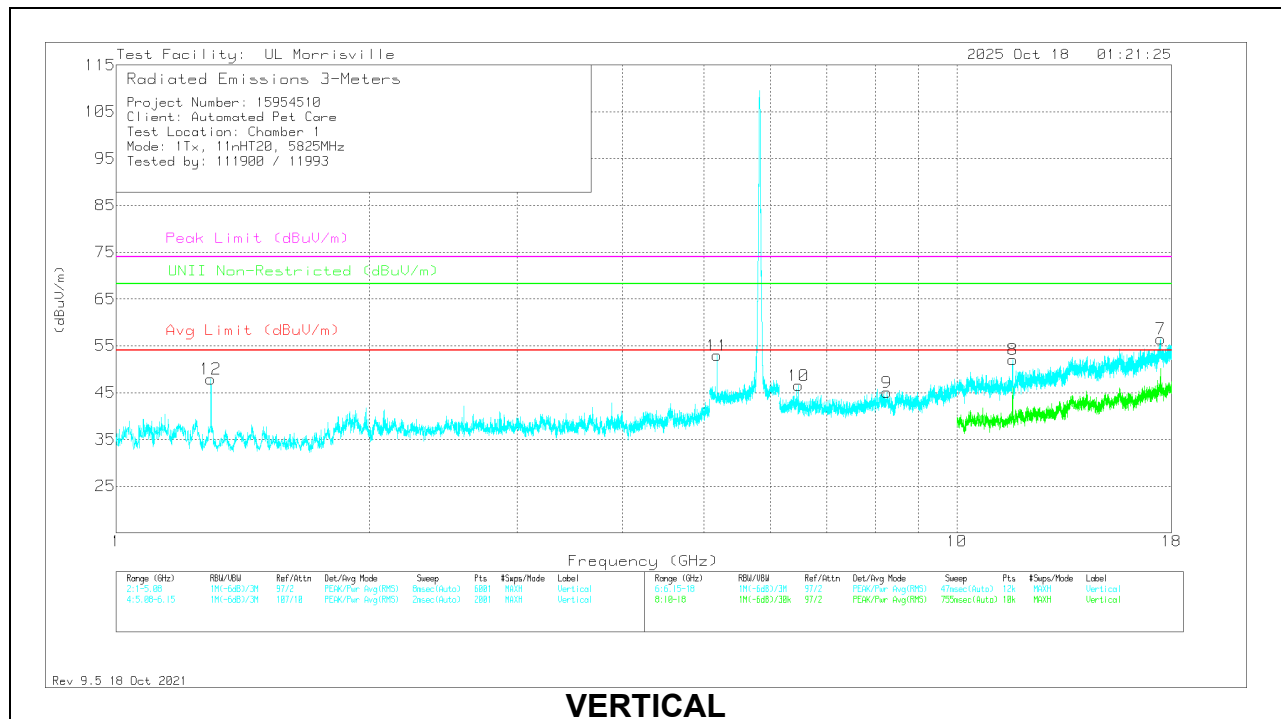
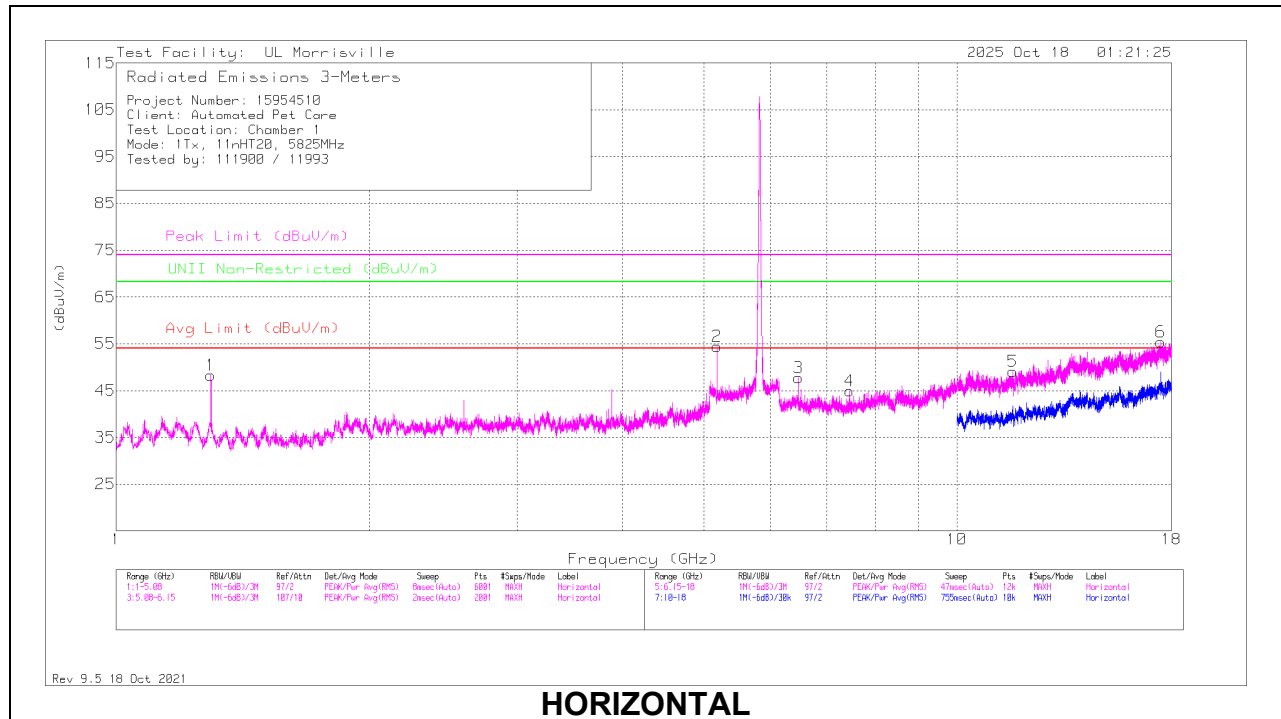
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK-U - Maximum Peak

ADV - Linear Voltage Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.29597	68.4	PK-U	29.1	-47.2	50.3	-	-	74	-23.7	-	-	357	229	H
	* 1.29597	65.62	ADV	29.1	-47.2	47.52	54	-6.48	-	-	-	-	357	229	H
12	* 1.2958	65.95	Pk	29.1	-47.2	47.85	54	-6.15	74	-26.15	-	-	0-360	101	V
2	** 5.18379	43.84	Pk	34.3	-23.7	54.44	-	-	-	-	68.2	-13.76	0-360	101	H
11	** 5.18379	42.32	Pk	34.3	-23.7	52.92	-	-	-	-	68.2	-15.28	0-360	101	V
4	*** 7.45449	51.86	Pk	35.5	-42.4	44.96	54	-9.04	74	-29.04	-	-	0-360	101	H
5	*** 11.65064	56.07	PK-U	38.2	-39.9	54.37	-	-	74	-19.63	-	-	341	105	H
	*** 11.6489	42.22	ADV	38.2	-39.8	40.62	54	-13.38	-	-	-	-	341	105	H
8	*** 11.65257	57.73	PK-U	38.2	-39.8	56.13	-	-	74	-17.87	-	-	341	129	V
	*** 11.65036	43.62	ADV	38.2	-39.8	42.02	54	-11.98	-	-	-	-	341	129	V
9	*** 8.25239	50.51	Pk	35.9	-41.4	45.01	54	-8.99	74	-28.99	-	-	0-360	101	V
3	6.47983	55.61	Pk	35.6	-43.5	47.71	-	-	-	-	68.2	-20.49	0-360	101	H
10	6.47983	54.38	Pk	35.6	-43.5	46.48	-	-	-	-	68.2	-21.72	0-360	200	V
6	17.47169	49.68	Pk	41.2	-35.5	55.38	-	-	-	-	68.2	-12.82	0-360	200	H
7	17.47663	50.77	Pk	41.2	-35.5	56.47	-	-	-	-	68.2	-11.73	0-360	101	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK-U - Maximum Peak

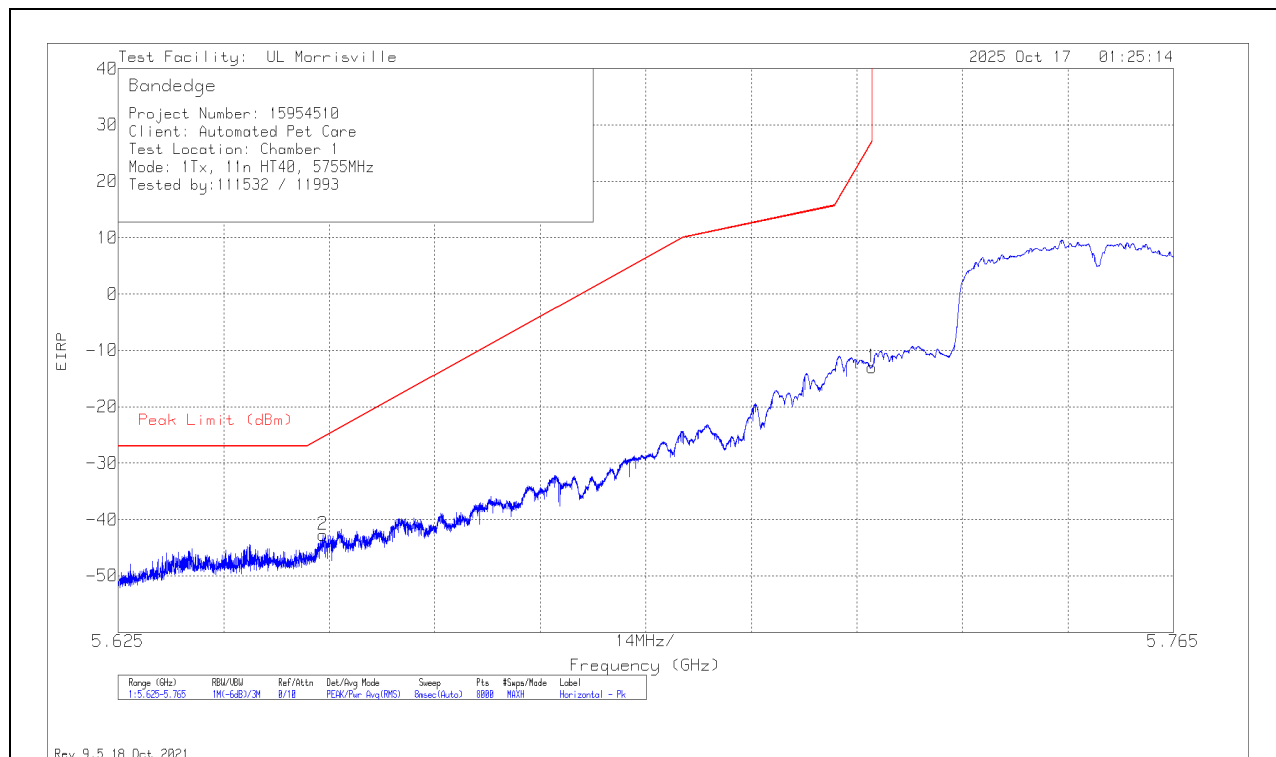
ADV - Linear Voltage Average

10.1.12. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.8 GHz BAND

1TX Antenna 1 MODE

BANDEDGE (LOW CHANNEL)

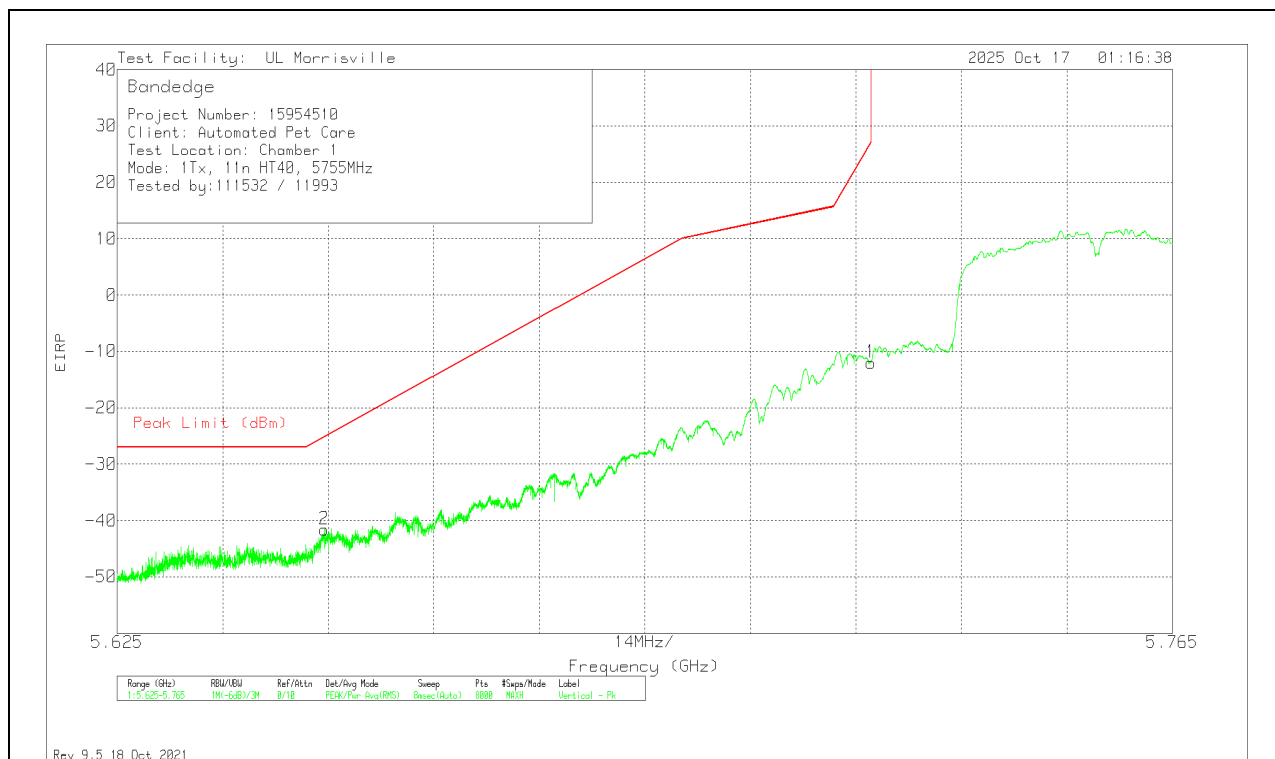
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.65216	-65.24	Pk	34.6	-23.9	11.8	0	-42.74	-25.4	-17.34	253	347	H
1	5.72499	-36.62	Pk	34.7	-22.9	11.8	0	-13.02	26.97	-39.99	253	347	H

Pk - Peak detector

VERTICAL RESULT

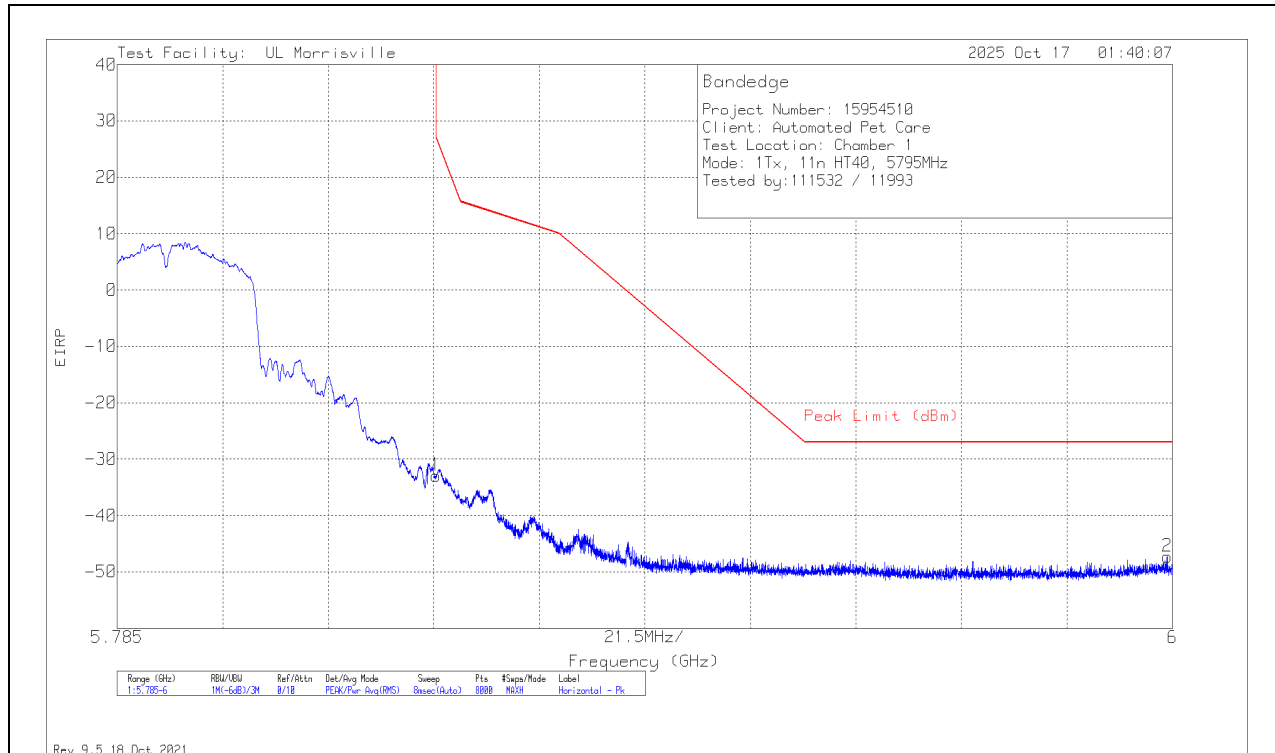


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.65246	-64.08	Pk	34.6	-23.9	11.8	0	-41.58	-25.18	-16.4	314	341	V
1	5.72499	-35.59	Pk	34.7	-22.9	11.8	0	-11.99	26.97	-38.96	314	341	V

Pk - Peak detector

BANDEGE (HIGH CHANNEL)

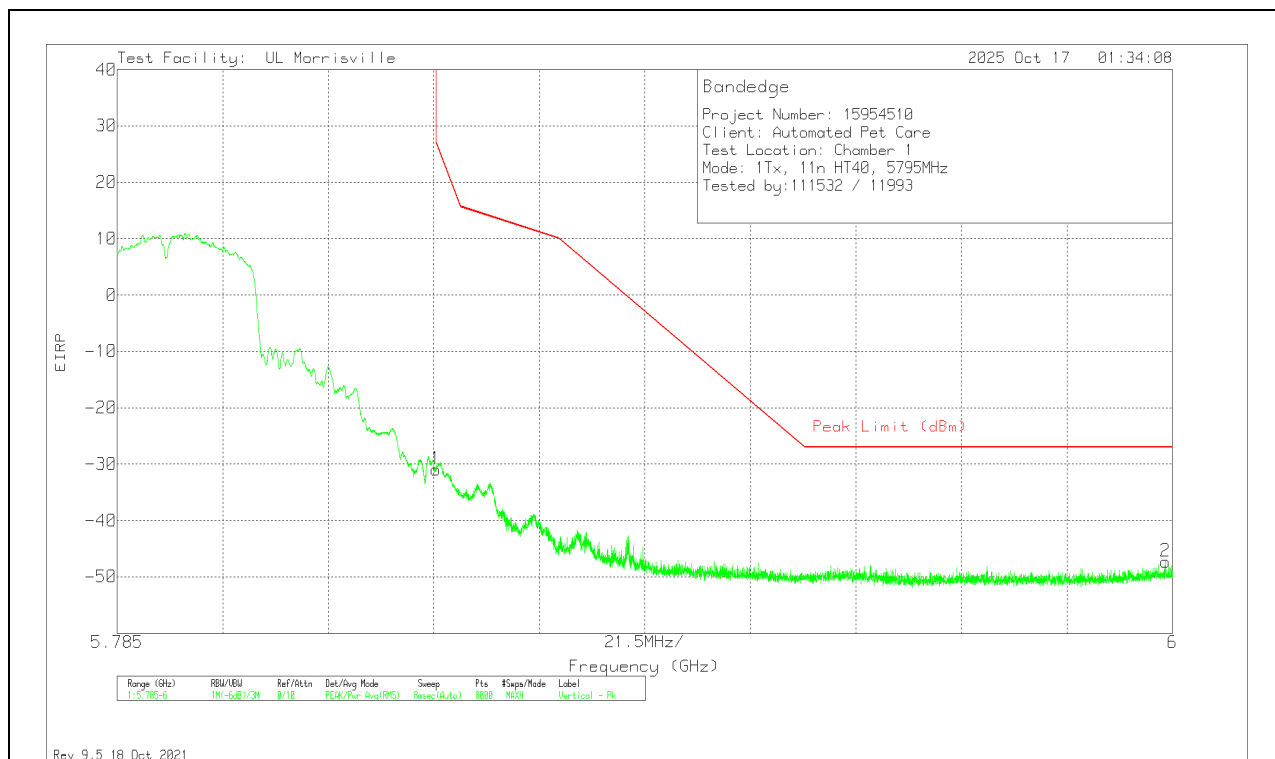
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-56.37	Pk	35	-23.4	11.8	0	-32.97	26.96	-59.93	209	177	H
2	5.99892	-72.43	Pk	35.1	-21.8	11.8	0	-47.33	-27	-20.33	209	177	H

Pk - Peak detector

VERTICAL RESULT



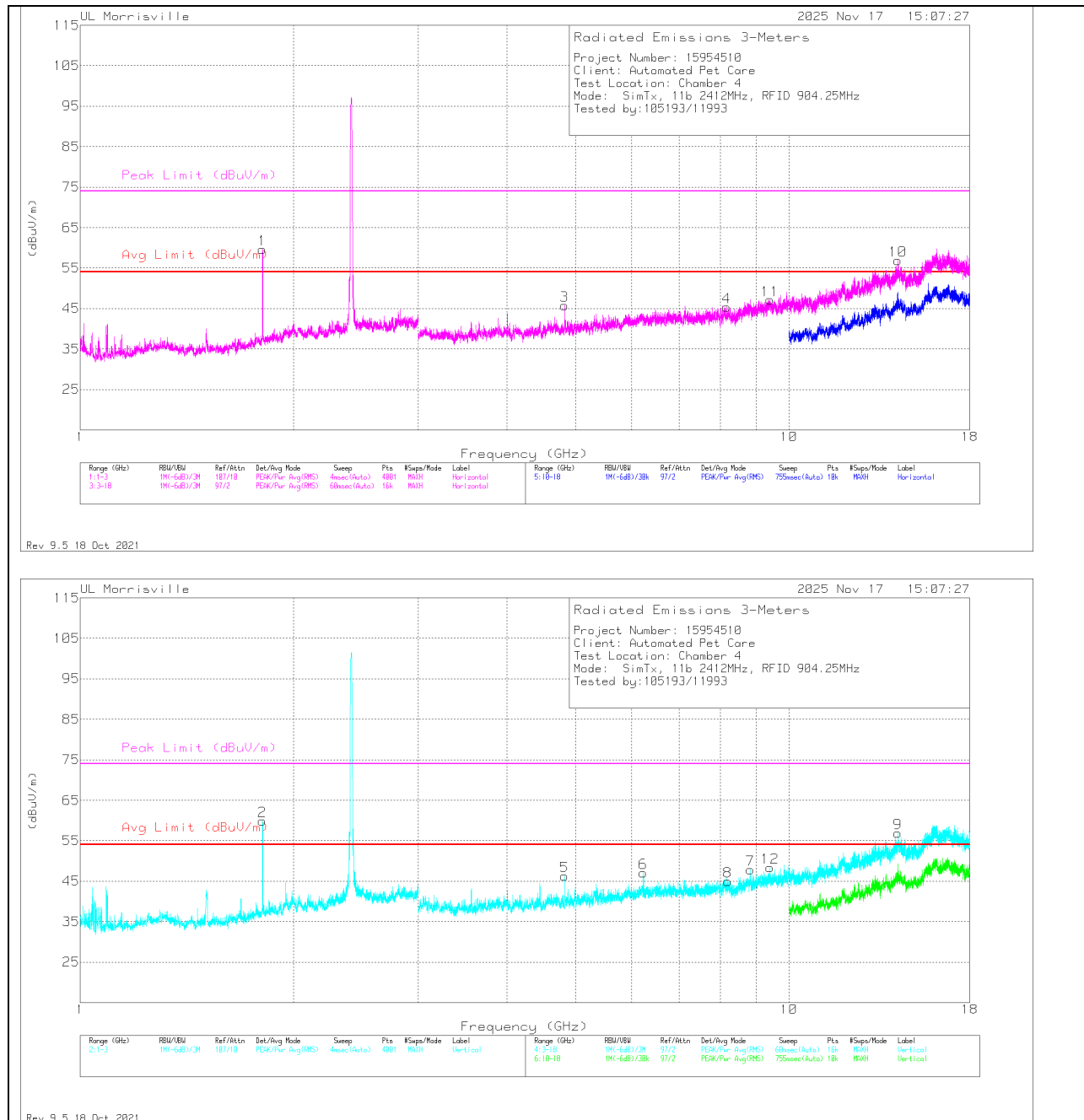
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	135143 (dB/m)	Gain/Loss (dB)	Conversion Factor (dB)	DC Corr (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85002	-54.37	Pk	35	-23.4	11.8	0	-30.97	26.96	-57.93	310	283	V
2	5.99855	-72.34	Pk	35.1	-21.8	11.8	0	-47.24	-27	-20.24	310	283	V

Pk - Peak detector

10.1. SIMULTANEOUS TRANSMISSION

HARMONICS AND SPURIOUS EMISSIONS

11b 2412 MHz + RFID 904.25 MHz CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (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	** 1.8085	53	Pk	30	-23.4	59.6	-	-	74	-14.4	0-360	100	H
2	** 1.8085	53.28	Pk	30	-23.4	59.88	-	-	74	-14.12	0-360	200	V
3	* ** 4.82344	44.61	Pk	33.9	-32.8	45.71	54	-8.29	74	-28.29	0-360	100	H
4	* ** 8.16938	36.72	Pk	35.6	-27	45.32	54	-8.68	74	-28.68	0-360	100	H
11	* ** 9.405	34.73	Pk	36.5	-24.1	47.13	54	-6.87	74	-26.87	0-360	100	H
5	* ** 4.82344	45.17	Pk	33.9	-32.8	46.27	54	-7.73	74	-27.73	0-360	200	V
8	* ** 8.205	36.12	Pk	35.7	-26.9	44.92	54	-9.08	74	-29.08	0-360	200	V
12	* ** 9.40031	35.99	Pk	36.5	-24.1	48.39	54	-5.61	74	-25.61	0-360	200	V
6	6.23531	40.39	Pk	35.3	-28.6	47.09	54	-6.91	74	-26.91	0-360	200	V
7	8.82938	35.6	Pk	36	-23.8	47.8	54	-6.2	74	-26.2	0-360	200	V
9	14.24719	32.88	Pk	38.8	-14.8	56.88	-	-	74	-17.12	0-360	200	V
10	14.24813	32.56	Pk	38.8	-14.5	56.86	-	-	74	-17.14	0-360	100	H

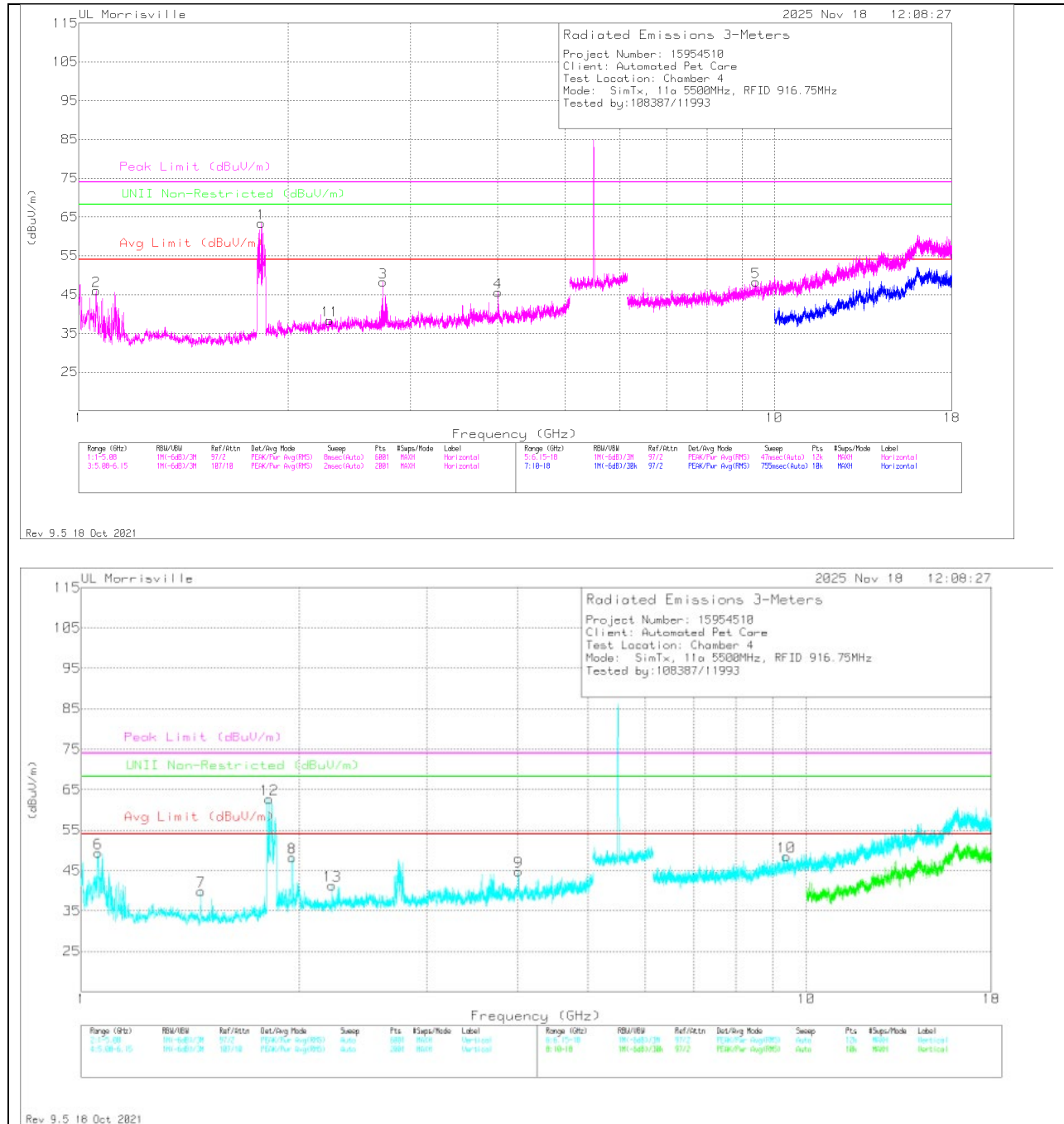
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

11a 5500 MHz + RFID 916.75 MHz CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (dB)	Filter (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	** 1.82649	68.94	PK-U	30.2	-36.8	.4	62.74	-	-	74	-11.26	68.2	-5.46	34	103	H
2	*** 1.05984	53.82	Pk	26.9	-36	1.3	46.02	54	-7.98	74	-27.98	-	-	0-360	100	H
3	*** 2.73666	48.09	PK-U	31.8	-36.5	.2	43.59	54	-10.41	74	-30.41	-	-	33	263	H
	*** 2.73825	46.01	V1TV	31.9	-36.4	.3	41.81	54	-12.19	-	-	-	-	206	135	H
4	*** 4.009	44.9	Pk	33.4	-33	.3	45.6	54	-8.4	74	-28.4	-	-	0-360	100	H
11	*** 2.29608	41.78	Pk	31.9	-35.8	.5	38.38	54	-15.62	74	-35.62	-	-	0-360	100	H
6	*** 1.05596	66.71	PK-U	26.9	-36.2	1.3	58.71	-	-	74	-15.29	-	-	349	207	V
	*** 1.05871	45.09	V1TV	26.9	-36.1	1.3	37.19	54	-16.81	-	-	-	-	348	170	V
7	*** 1.46308	48.57	Pk	28.2	-37.4	.5	39.87	54	-14.13	74	-34.13	-	-	0-360	200	V
8	** 1.95404	53.37	Pk	30.9	-36.4	.3	48.17	-	-	-	-	68.2	-20.03	0-360	200	V
9	*** 4.009	44.13	Pk	33.4	-33	.3	44.83	54	-9.17	74	-29.17	-	-	0-360	200	V
5	*** 9.40471	36.26	PK-U	36.5	-23.9	.4	49.26	54	-4.74	74	-24.74	-	-	269	398	H
	*** 9.40871	22.07	V1TV	36.5	-24	.4	34.97	54	-19.03	-	-	-	-	356	331	H
10	*** 9.39675	36.82	PK-U	36.5	-24.1	.4	49.62	54	-4.38	74	-24.38	-	-	183	299	V
	*** 9.39468	22.46	V1TV	36.5	-24.3	.3	34.96	54	-19.04	-	-	-	-	76	365	V
12	1.81869	48.99	PK-U	30.1	-36.7	.4	42.79	54	-11.21	74	-31.21	68.2	-25.41	269	261	V
13	*** 2.21856	46.28	Pk	31.5	-36.8	.3	41.28	54	-12.72	74	-32.72	-	-	0-360	200	V

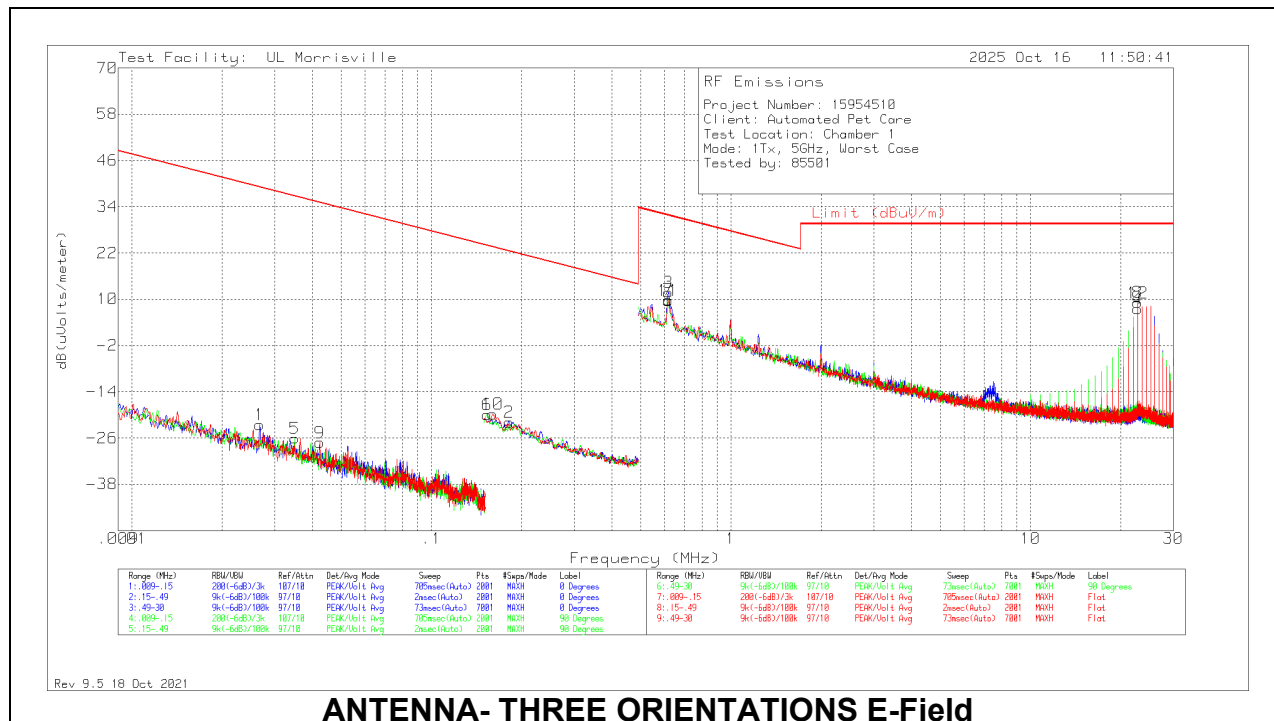
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

10.2. WORST CASE BELOW 30MHZ

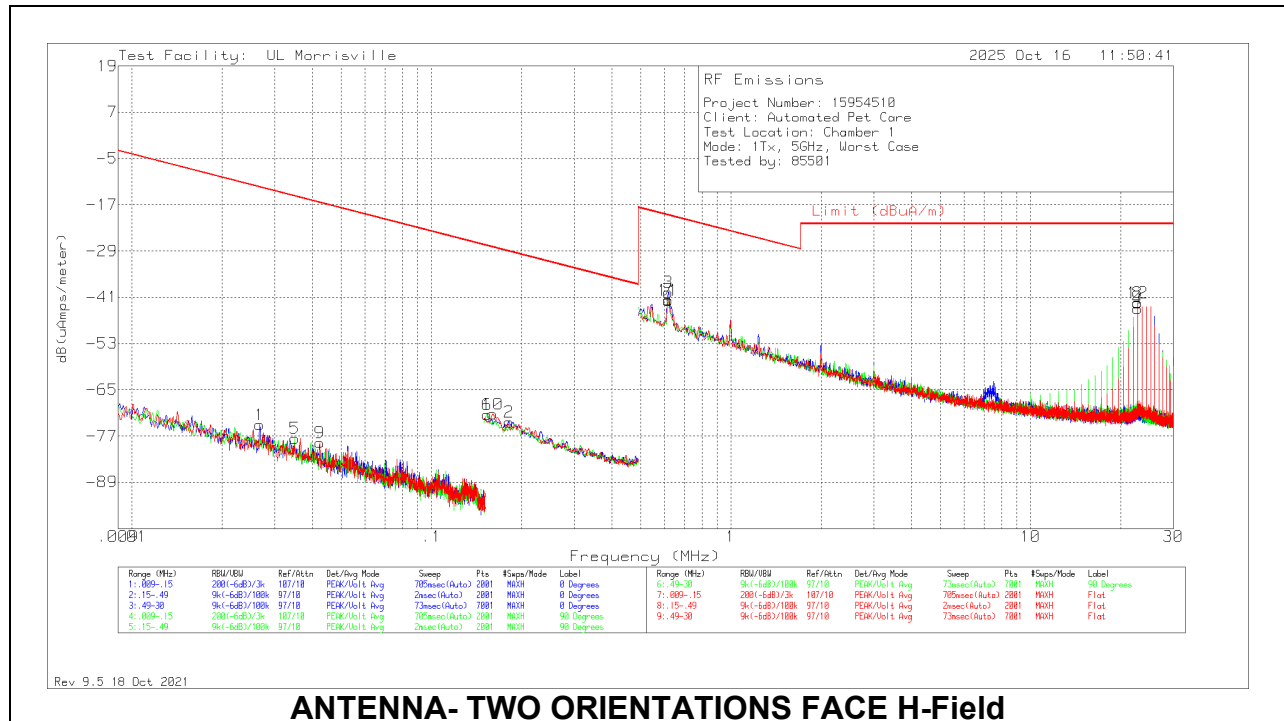
SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION)



ANTENNA- THREE ORIENTATIONS E-Field

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	ANT (dB/m)	Gain/Loss (dB)	Dist. Corr. Factor (dB)	Corrected Reading dB(uVolts/meter)	QP/AV Limit (dBuV/m)	PK Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Loop Angle
1	.02675	43.89	Pk	13.4	.1	-80	-22.61	39.06	59.06	-61.67	0-360	0 degs
5	.03499	41.14	Pk	12.7	.1	-80	-26.06	36.73	56.73	-62.79	0-360	90 degs
9	.04237	40.61	Pk	12.1	.1	-80	-27.19	35.06	55.06	-62.25	0-360	Flat
6	.1534	48.92	Pk	11	.1	-80	-19.98	23.89	43.89	-43.87	0-360	90 degs
10	.16037	49.05	Pk	11	.1	-80	-19.85	23.5	43.5	-43.35	0-360	Flat
2	.18179	47.02	Pk	11	.1	-80	-21.88	22.41	42.41	-44.29	0-360	0 degs
3	.61648	40.74	Pk	11	.1	-40	11.84	31.81	-	-19.97	0-360	0 degs
7	.61648	38.7	Pk	11	.1	-40	9.8	31.81	-	-22.01	0-360	90 degs
11	.61648	38.6	Pk	11	.1	-40	9.7	31.81	-	-22.11	0-360	Flat
4	22.80107	37.01	Pk	9.7	.8	-40	7.51	29.54	-	-22.03	0-360	0 degs
8	22.80107	38.61	Pk	9.7	.8	-40	9.11	29.54	-	-20.43	0-360	90 degs
12	22.80107	38.58	Pk	9.7	.8	-40	9.08	29.54	-	-20.46	0-360	Flat

Pk - Peak detector



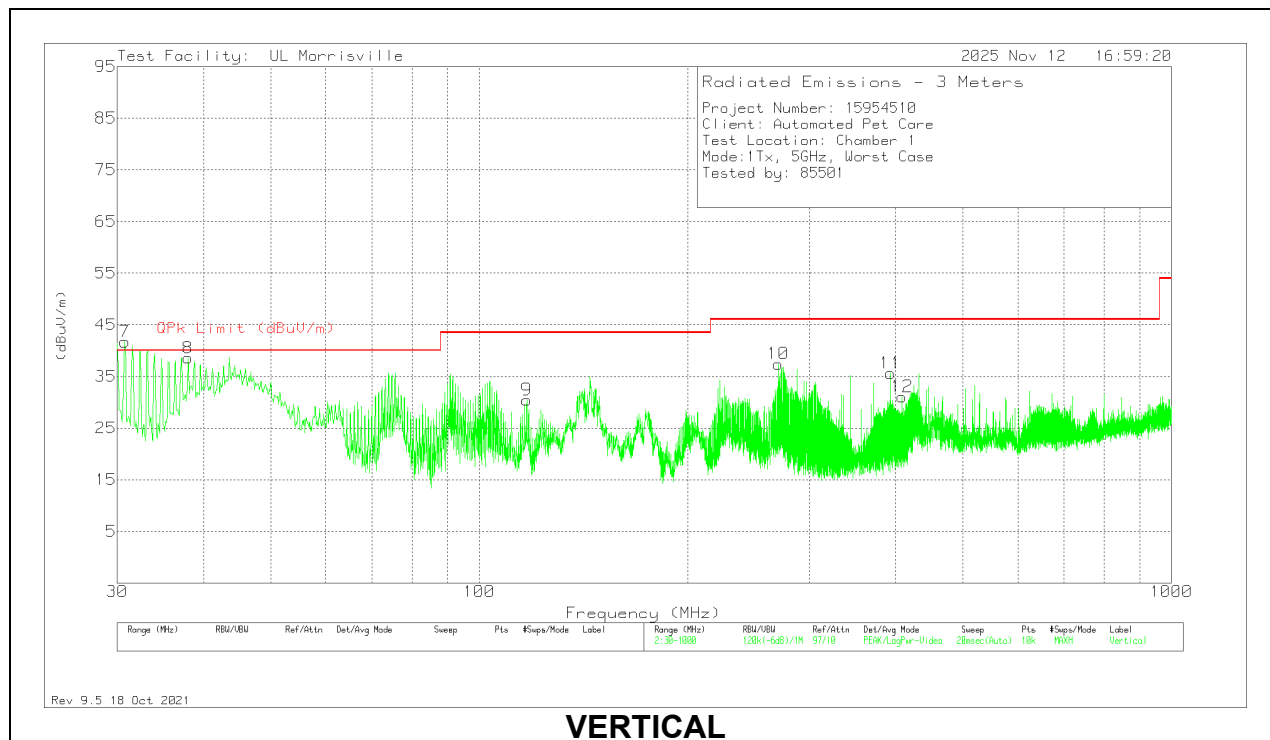
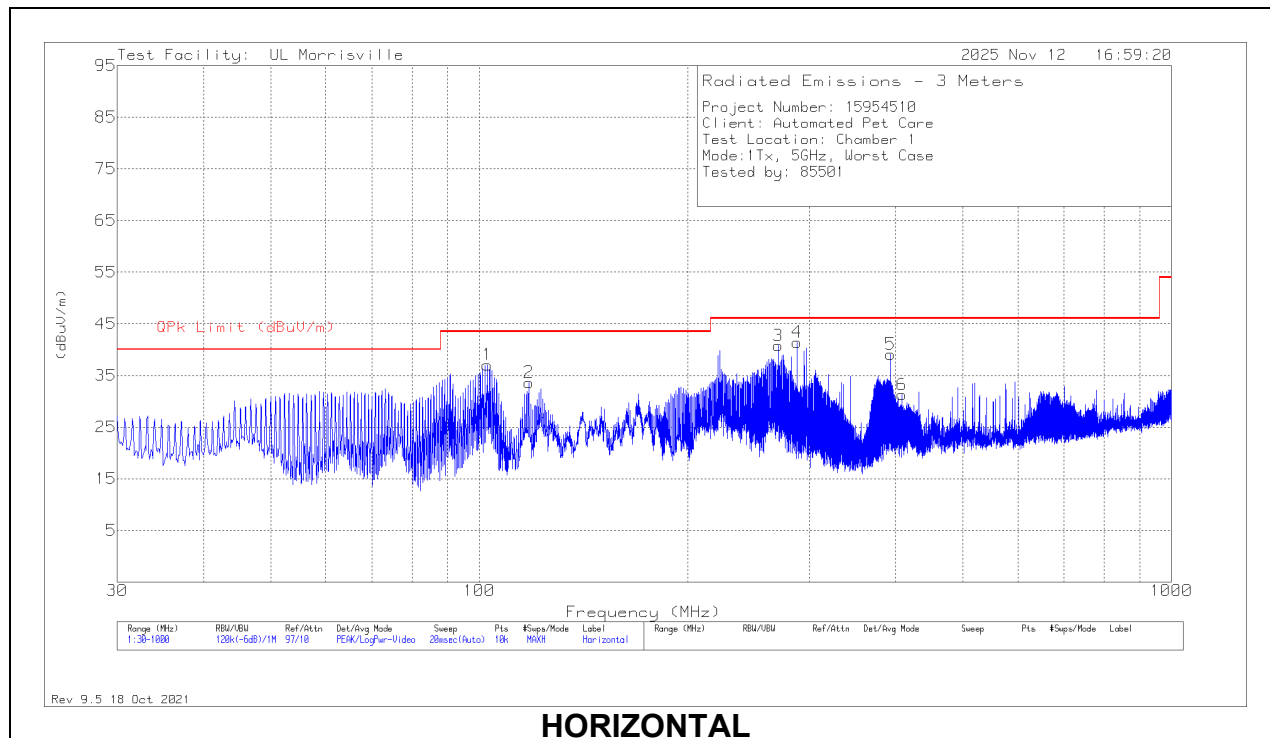
ANTENNA- TWO ORIENTATIONS FACE H-Field

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	ANT (dB/m)	Gain/Loss (dB)	Dist. Corr. Factor (dB)	Corrected Reading dB(uAmps/meter)	QP/AV Limit (dBuA/m)	PK Limit (dBuA/m)	Margin (dB)	Azimuth (Degs)	Loop Angle
1	.02675	43.89	Pk	-38.1	.1	-80	-74.11	-12.44	7.56	-61.67	0-360	0 degs
5	.03499	41.14	Pk	-38.8	.1	-80	-77.56	-14.77	5.23	-62.79	0-360	90 degs
9	.04237	40.61	Pk	-39.4	.1	-80	-78.69	-16.44	3.56	-62.25	0-360	Flat
6	.1534	48.92	Pk	-40.5	.1	-80	-71.48	-27.61	-7.61	-43.87	0-360	90 degs
10	.16037	49.05	Pk	-40.5	.1	-80	-71.35	-28	-8	-43.35	0-360	Flat
2	.18179	47.02	Pk	-40.5	.1	-80	-73.38	-29.09	-9.09	-44.29	0-360	0 degs
3	.61648	40.74	Pk	-40.5	.1	-40	-39.66	-19.69	-	-19.97	0-360	0 degs
7	.61648	38.7	Pk	-40.5	.1	-40	-41.7	-19.69	-	-22.01	0-360	90 degs
11	.61648	38.6	Pk	-40.5	.1	-40	-41.8	-19.69	-	-22.11	0-360	Flat
4	22.80107	37.01	Pk	-41.8	.8	-40	-43.99	-21.96	-	-22.03	0-360	0 degs
8	22.80107	38.61	Pk	-41.8	.8	-40	-42.39	-21.96	-	-20.43	0-360	90 degs
12	22.80107	38.58	Pk	-41.8	.8	-40	-42.42	-21.96	-	-20.46	0-360	Flat

Pk - Peak detector

10.3. WORST CASE BELOW 1 GHz

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



Below 1GHz Data

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	90629 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* ** 117.979	44.73	Pk	19.8	-30.9	33.63	43.52	-9.89	0-360	200	H
3	* ** 270.3334	50.87	Qp	19.3	-30	40.17	46.02	-5.85	40	100	H
6	* ** 408.397	38.16	Pk	21.7	-28.6	31.26	46.02	-14.76	0-360	200	H
8	* ** 38.002	47.19	Qp	21.2	-31.8	36.59	40	-3.41	243	100	V
9	* ** 117.203	41.64	Pk	19.7	-30.9	30.44	43.52	-13.08	0-360	100	V
10	* ** 270.366	48.23	Pk	19.3	-30.1	37.43	46.02	-8.59	0-360	100	V
12	* ** 408.397	37.98	Pk	21.7	-28.6	31.08	46.02	-14.94	0-360	100	V
7	30.776	46.82	Pk	26.3	-31.4	41.72	-	-	0-360	100	V
1	102.75	50.36	Pk	17.5	-30.8	37.06	-	-	0-360	200	H
4	288.02	51.33	Pk	19.5	-29.4	41.43	-	-	0-360	100	H
5	393.168	46	Pk	21.3	-28.2	39.1	-	-	0-360	200	H
11	393.168	42.52	Pk	21.3	-28.2	35.62	-	-	0-360	100	V

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

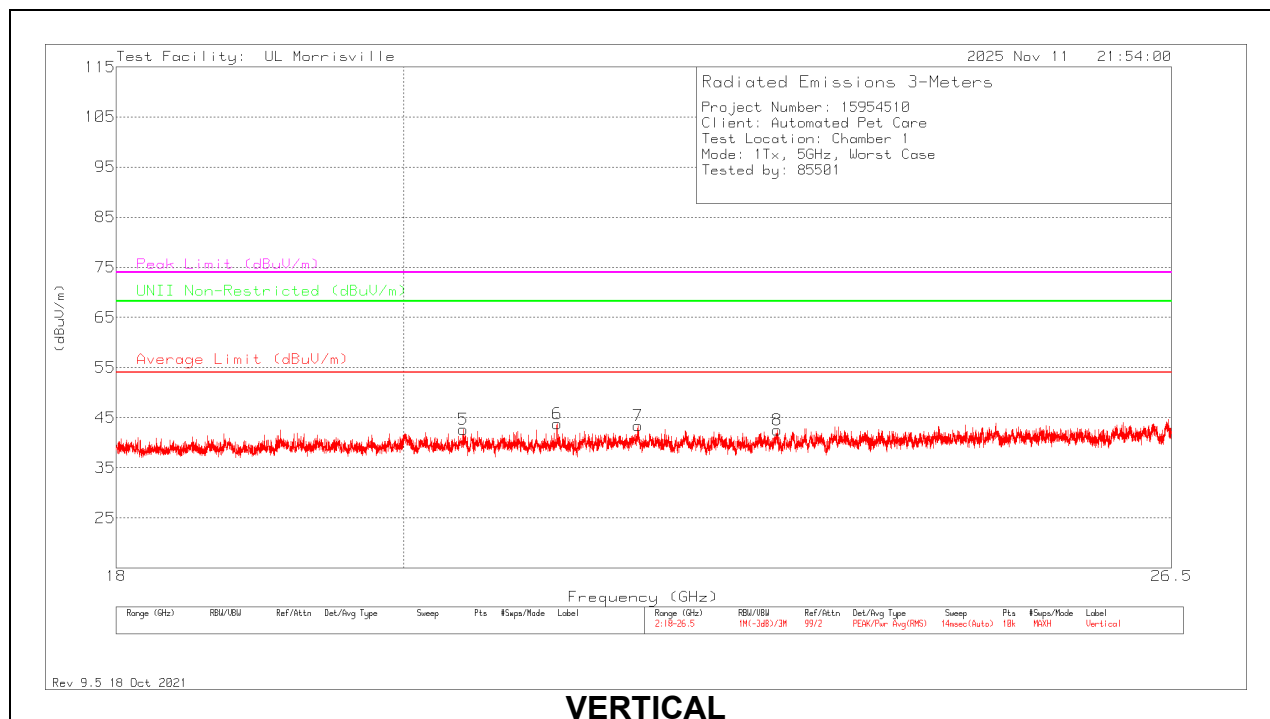
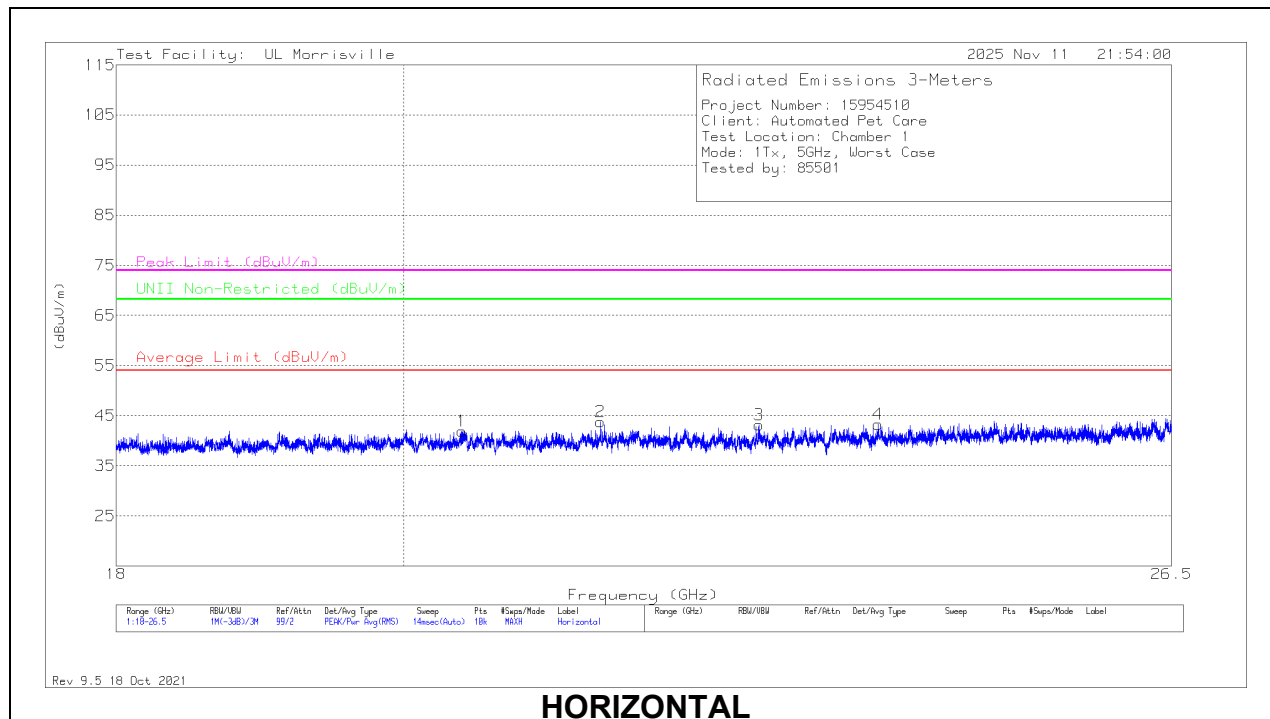
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

Qp - Quasi-Peak detector

10.4. WORST CASE 18-26 GHZ

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



18 – 26GHz Data

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	91186 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 20.43294	48.47	Pk	32.8	-39.4	41.87	54	-12.13	74	-32.13	-	-	0-360	101	H
3	* ** 22.78003	49.14	Pk	33.4	-39.4	43.14	54	-10.86	74	-30.86	-	-	0-360	101	H
4	* ** 23.79843	48.64	Pk	34	-39.4	43.24	54	-10.76	74	-30.76	-	-	0-360	200	H
5	* ** 20.44229	48.93	Pk	32.8	-39.1	42.63	54	-11.37	74	-31.37	-	-	0-360	250	V
6	* ** 21.15637	50.21	Pk	32.8	-39.2	43.81	54	-10.19	74	-30.19	-	-	0-360	250	V
8	* ** 22.93474	48.29	Pk	33.6	-39.4	42.49	54	-11.51	74	-31.51	-	-	0-360	250	V
2	21.4981	50.58	Pk	32.9	-39.7	43.78	-	-	-	-	68.2	-24.42	0-360	250	H
7	21.79478	48.74	Pk	33.4	-38.7	43.44	-	-	-	-	68.2	-24.76	0-360	250	V

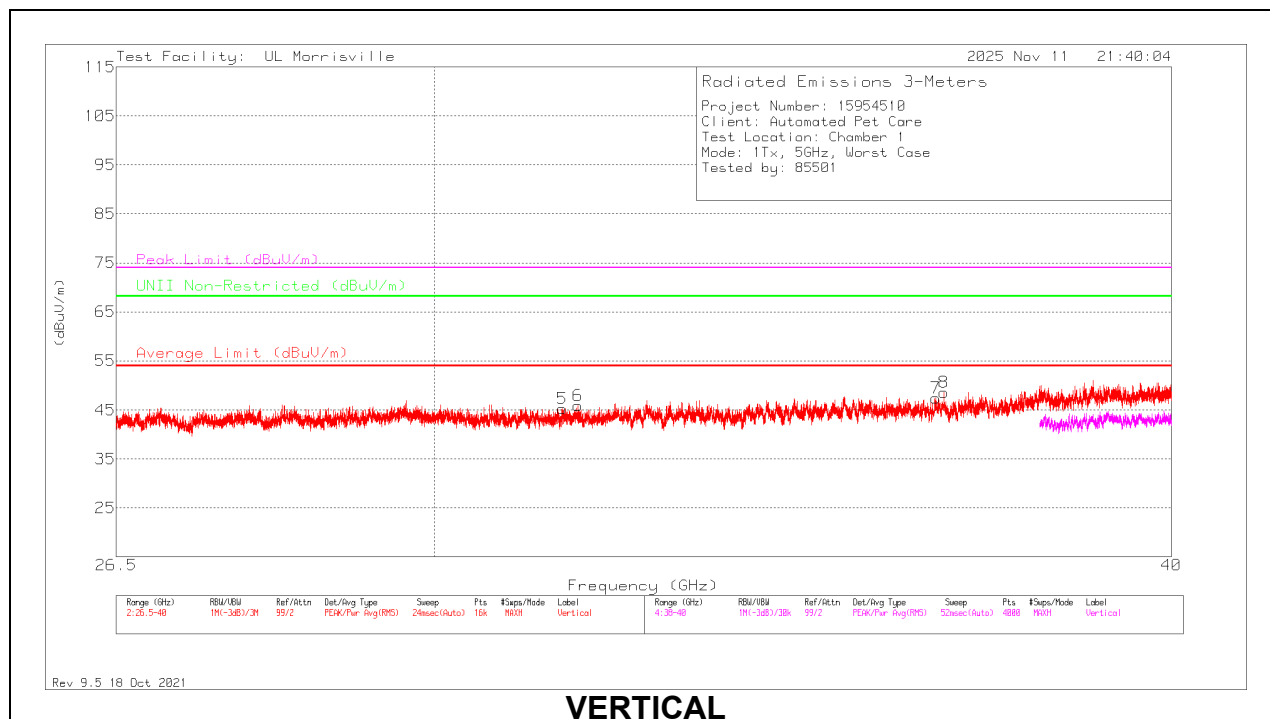
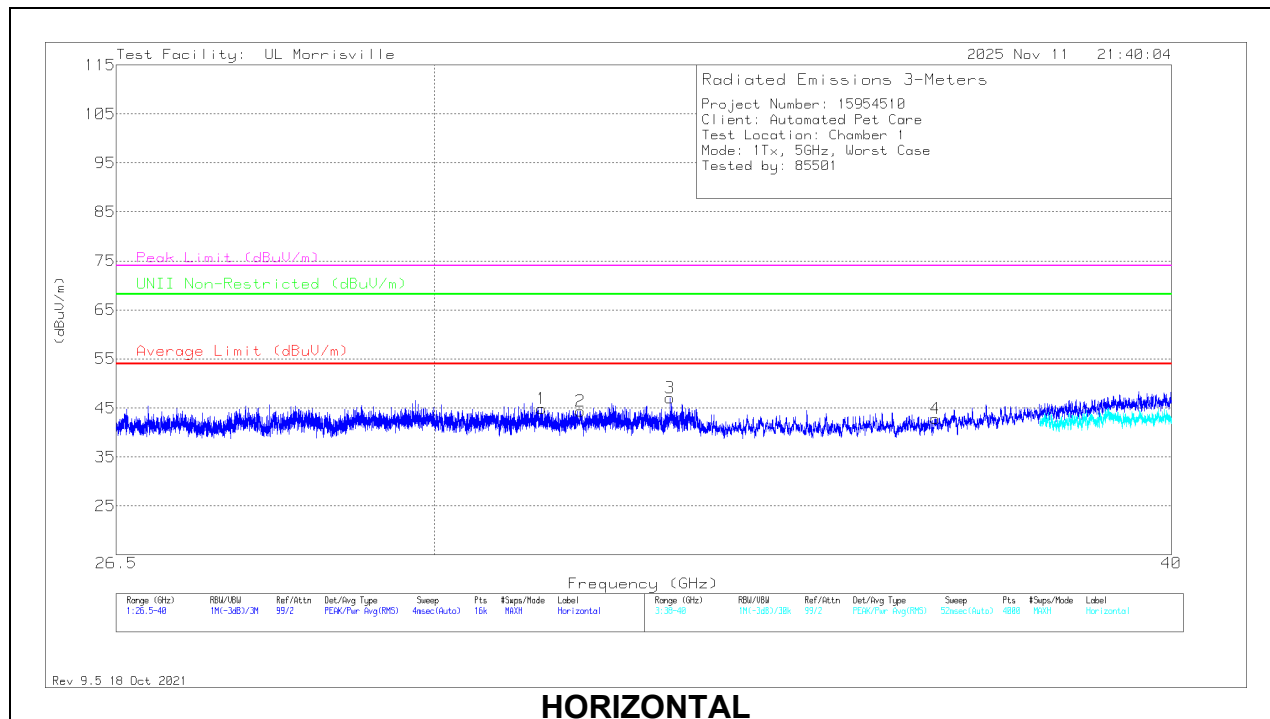
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

10.5. WORST CASE 26-40 GHZ

SPURIOUS EMISSIONS 26-40 GHz (WORST-CASE CONFIGURATION)



26 – 40GHz Data

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	91187 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 31.28352	44.88	Pk	36.6	-36.6	44.88	54	-9.12	74	-29.12	-	-	0-360	101	H
2	* ** 31.7628	44.03	Pk	36.3	-36	44.33	54	-9.67	74	-29.67	-	-	0-360	101	H
4	* ** 36.48135	41.67	Pk	37.1	-35.9	42.87	54	-11.13	74	-31.13	-	-	0-360	101	H
5	* ** 31.53835	45.51	Pk	36.5	-36.7	45.31	54	-8.69	74	-28.69	-	-	0-360	300	V
6	* ** 31.72905	45.96	Pk	36.4	-36.5	45.86	54	-8.14	74	-28.14	-	-	0-360	101	V
7	* ** 36.48725	46.13	Pk	37.1	-35.8	47.43	54	-6.57	74	-26.57	-	-	0-360	200	V
3	32.89012	45.95	Pk	36.6	-35.5	47.05	-	-	-	-	68.2	-21.15	0-360	101	H
8	36.60454	46.31	Pk	37.3	-35	48.61	-	-	-	-	68.2	-19.59	0-360	150	V

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

11. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56 *	56 to 46 *
0.5-5	56	46
5-30	60	50

* Decreases with the logarithm of the frequency.

TEST PROCEDURE

The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

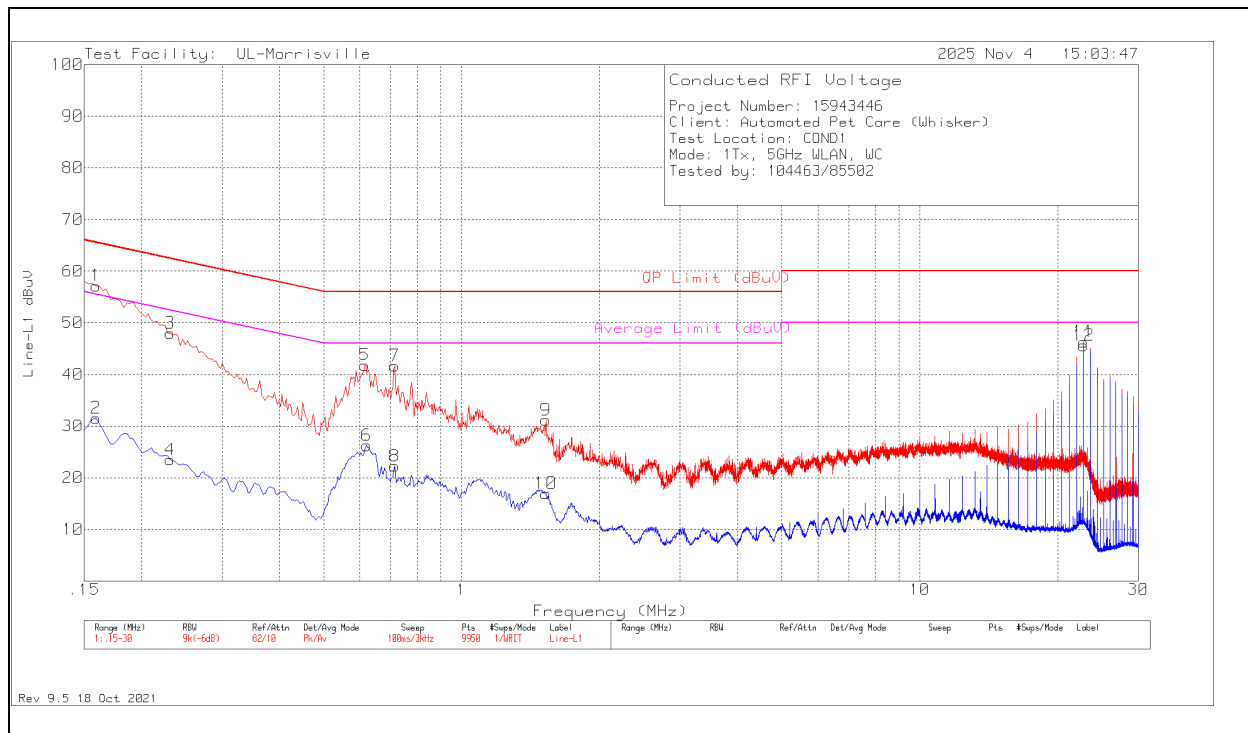
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

Line conducted data is recorded for both NEUTRAL and HOT lines.

RESULTS

11.1.1. AC Power Line Host

LINE 1 RESULTS



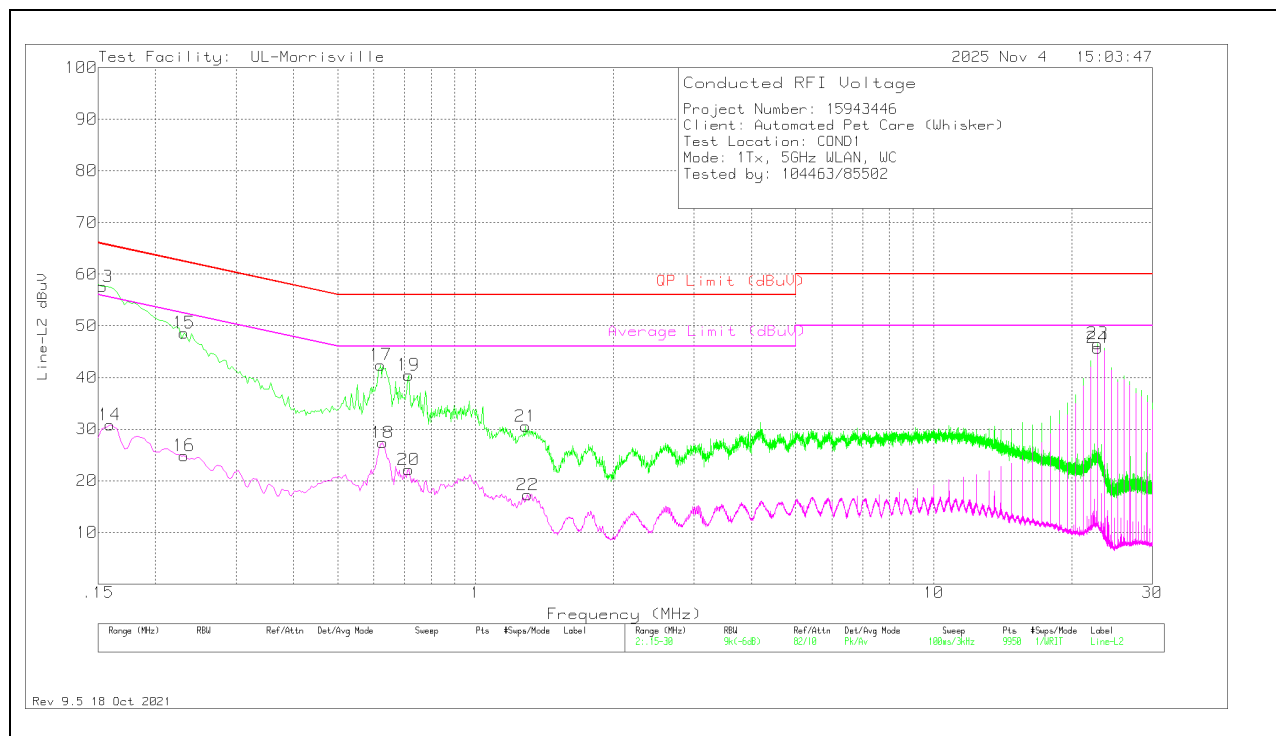
Range 1: Line-L1 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VDF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
1	.159	47.27	Pk	.2	9.7	57.17	65.52	-8.35	-	-
2	.159	21.64	Av	.2	9.7	31.54	-	-	55.52	-23.98
3	.231	38.21	Pk	.1	9.7	48.01	62.41	-14.4	-	-
4	.231	13.66	Av	.1	9.7	23.46	-	-	52.41	-28.95
5	.615	32.12	Pk	0	9.7	41.82	56	-14.18	-	-
6	.621	16.56	Av	0	9.7	26.26	-	-	46	-19.74
7	.714	31.97	Pk	0	9.7	41.67	56	-14.33	-	-
8	.714	12.56	Av	0	9.7	22.26	-	-	46	-23.74
9	1.527	21.44	Pk	0	9.7	31.14	56	-24.86	-	-
10	1.527	7.24	Av	0	9.7	16.94	-	-	46	-29.06
11	22.8	36.32	Pk	.2	9.8	46.32	60	-13.68	-	-
12	22.8003	38.67	Ca	.2	9.8	48.67	-	-	50	-1.33

Pk - Peak detector

Av - Average detection

Ca - CISPR average detection

LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VDF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
13	.153	47.7	Pk	.2	9.7	57.6	65.84	-8.24	-	-
14	.159	20.91	Av	.2	9.7	30.81	-	-	55.52	-24.71
15	.231	38.83	Pk	.1	9.7	48.63	62.41	-13.78	-	-
16	.231	15.06	Av	.1	9.7	24.86	-	-	52.41	-27.55
17	.621	32.73	Pk	0	9.7	42.43	56	-13.57	-	-
18	.627	17.67	Av	0	9.7	27.37	-	-	46	-18.63
19	.714	30.75	Pk	0	9.7	40.45	56	-15.55	-	-
20	.714	12.44	Av	0	9.7	22.14	-	-	46	-23.86
21	1.287	20.86	Pk	0	9.7	30.56	56	-25.44	-	-
22	1.299	7.58	Av	0	9.7	17.28	-	-	46	-28.72
23	22.8	36.54	Pk	.2	9.8	46.54	60	-13.46	-	-
24	22.8014	33.33	Ca	.2	9.8	43.33	-	-	50	-6.67

Pk - Peak detector

Av - Average detection

Ca - CISPR average detection

12. SETUP PHOTOS

Please refer to R15954510-EP1 for setup photos

END OF TEST REPORT