

9.4.9. 802.11a MODE IN THE 5.6 GHz BAND

1TX Antenna 1 MODE

Test Engineer:	ZS16080 and PV27966
Test Date:	2022-12-06 to 2023-01-06

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5500	20.92	-3.11	24.00	11.00
Mid	5580	20.84	-3.11	24.00	11.00
High	5700	20.72	-3.11	24.00	11.00
144	5720	20.76	-3.11	24.00	11.00

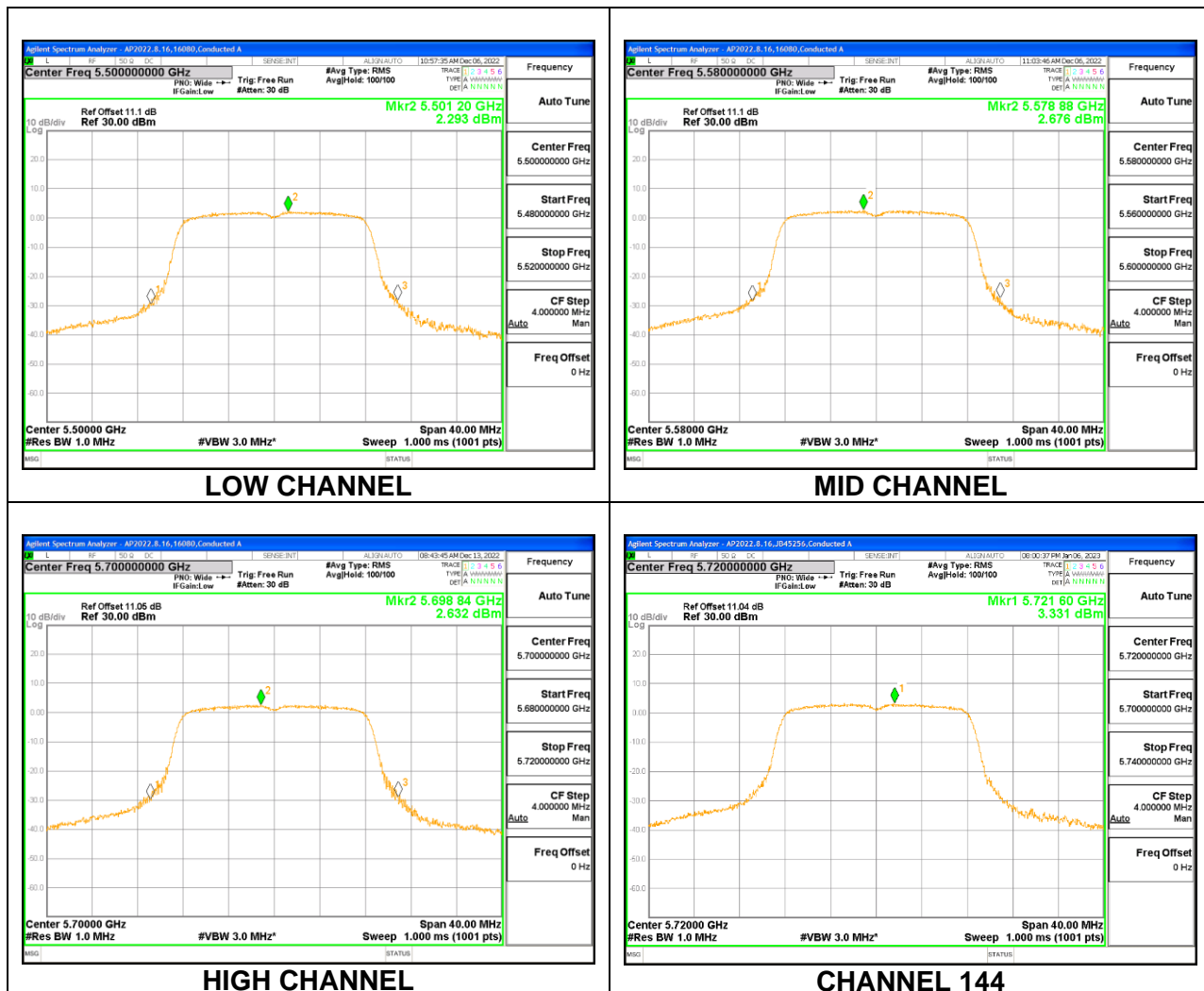
Duty Cycle CF (dB)	0.36	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	14.68	14.68	24.00	-9.32
Mid	5580	15.64	15.64	24.00	-8.36
High	5700	14.34	14.34	24.00	-9.66
144	5720	15.33	15.33	24.00	-8.67

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5500	2.293	2.65	11.00	-8.35
Mid	5580	2.676	3.04	11.00	-7.96
High	5700	2.636	3.00	11.00	-8.00
144	5720	3.331	3.69	11.00	-7.31



9.4.10. 802.11n HT20 MODE IN THE 5.6 GHz BAND

1TX Antenna 1 MODE

Test Engineer:	ZS16080 and PV27966
Test Date:	2022-12-06 to 2023-01-06

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5500	21.8	-3.11	24.00	11.00
Mid	5580	21.88	-3.11	24.00	11.00
High	5700	21.84	-3.11	24.00	11.00
144	5720	21.76	-3.11	24.00	11.00

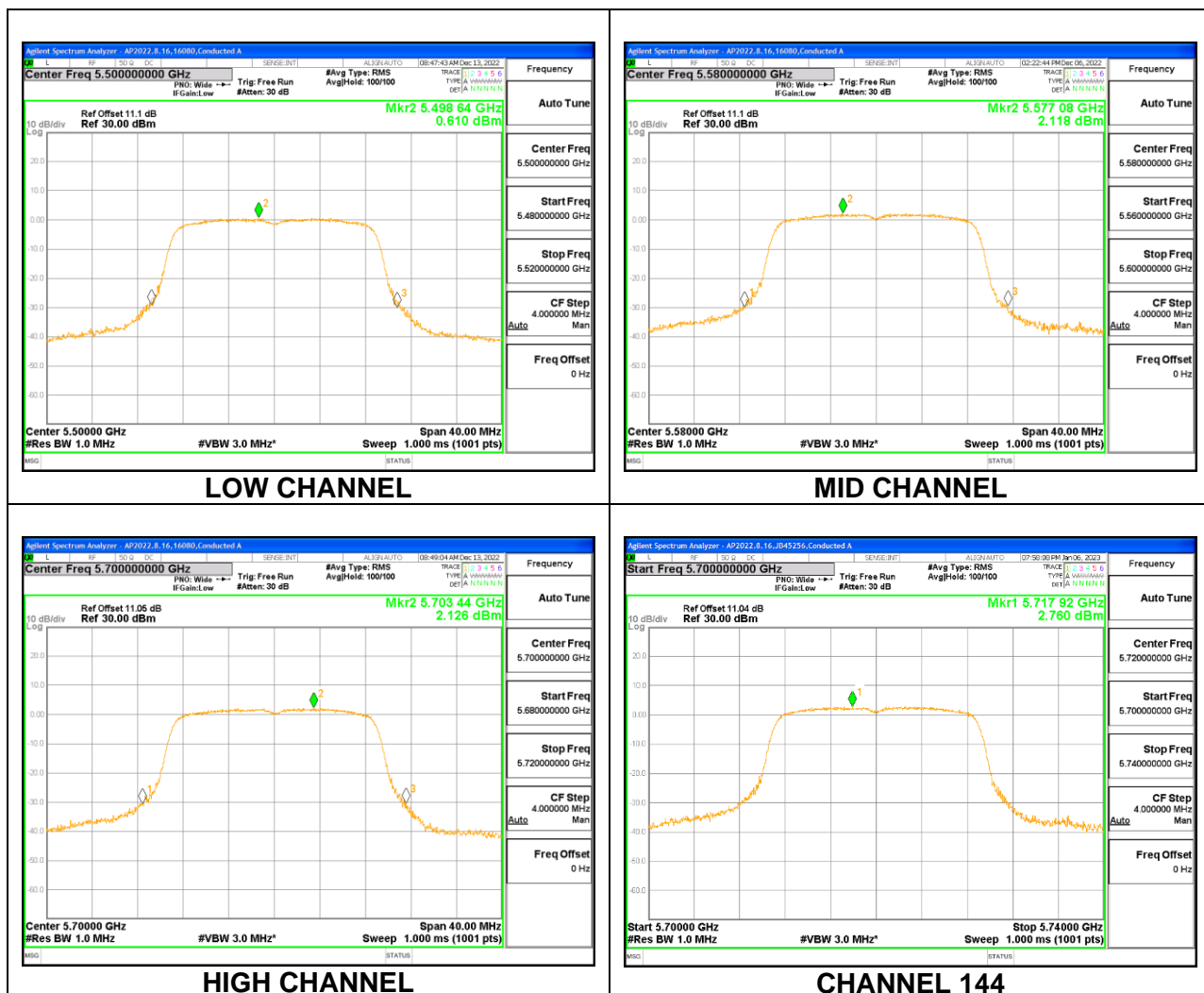
Duty Cycle CF (dB)	0.33	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5500	13.81	13.81	24.00	-10.19
Mid	5580	15.61	15.61	24.00	-8.39
High	5700	14.37	14.37	24.00	-9.63
144	5720	15.40	15.40	24.00	-8.60

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5500	0.610	0.94	11.00	-10.06
Mid	5580	2.118	2.45	11.00	-8.55
High	5700	2.126	2.46	11.00	-8.54
144	5720	2.760	3.09	11.00	-7.91



9.4.11. 802.11n HT40 MODE IN THE 5.6 GHz BAND

1TX Antenna 1 MODE

Test Engineer:	ZS16080 and PV27966
Test Date:	2022-12-06 to 2023-01-06

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5510	43.52	-3.11	24.00	11.00
Mid	5550	44.24	-3.11	24.00	11.00
High	5670	44.4	-3.11	24.00	11.00
144	5710	44.56	-3.11	24.00	11.00

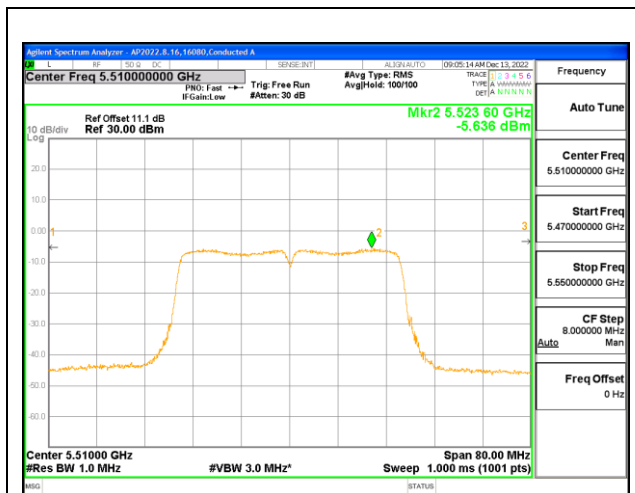
Duty Cycle CF (dB)	0.69	Included in Calculations of Corr'd PSD
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Output Power Results

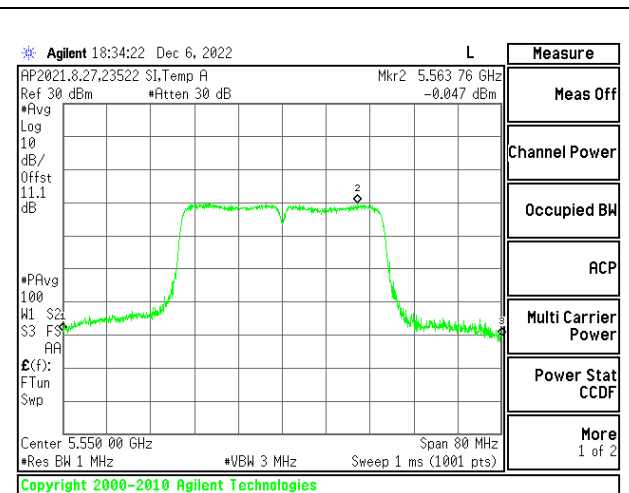
Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5510	11.45	11.45	24.00	-12.55
Mid	5550	14.75	14.75	24.00	-9.25
High	5670	14.80	14.80	24.00	-9.20
144	5710	14.42	14.42	24.00	-9.58

PSD Results

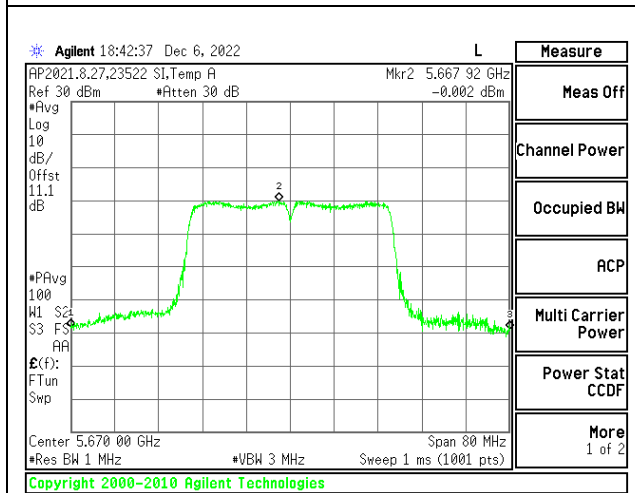
Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5510	-5.636	-4.95	11.00	-15.95
Mid	5550	-0.047	0.64	11.00	-10.36
High	5670	-0.002	0.69	11.00	-10.31
144	5710	-1.768	-1.08	11.00	-12.08



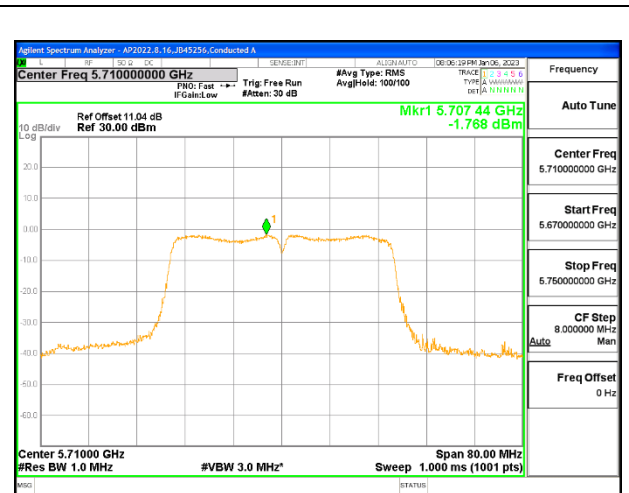
LOW CHANNEL



MID CHANNEL



HIGH CHANNEL



CHANNEL 142

9.4.12. 802.11ac VHT80 MODE IN THE 5.6 GHz BAND

1TX Antenna 1 MODE

Test Engineer:	ZS16080 and PV27966
Test Date:	2022-12-06 to 2023-01-06

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5530	80.96	-3.11	24.00	11.00
High	5610	80.96	-3.11	24.00	11.00
144	5690	80.96	-3.11	24.00	11.00

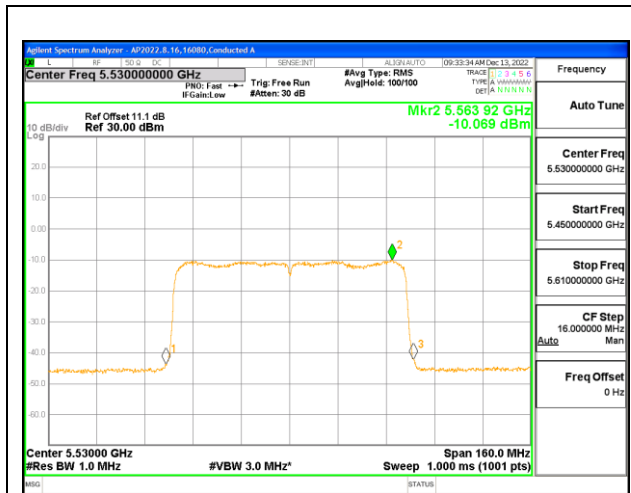
Duty Cycle CF (dB)	1.21	Included in Calculations of Corr'd PSD
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Output Power Results

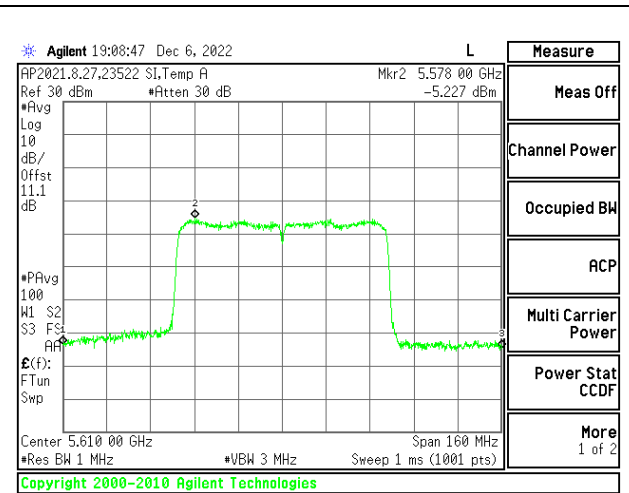
Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	9.87	9.87	24.00	-14.13
High	5610	12.78	12.78	24.00	-11.22
144	5690	12.76	12.76	24.00	-11.24

PSD Results

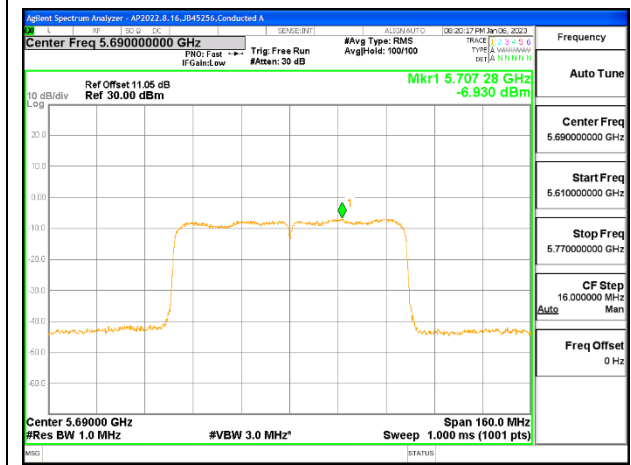
Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5530	-10.069	-8.86	11.00	-19.86
High	5610	-5.227	-4.02	11.00	-15.02
144	5690	-6.930	-5.72	11.00	-16.72



LOW CHANNEL



HIGH CHANNEL



CHANNEL 138

Intentionally Left Blank

9.4.13. 802.11a MODE IN THE 5.8 GHz BAND

1TX Antenna 1 MODE

Test Engineer:	ZS16080 and JB45256
Test Date:	2022-12-06 to 2023-01-11

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	FCC PSD Limit (dBm/ 500KHz)
Low	5745	-2.98	30.00	30.00
Mid	5785	-2.98	30.00	30.00
High	5825	-2.98	30.00	30.00

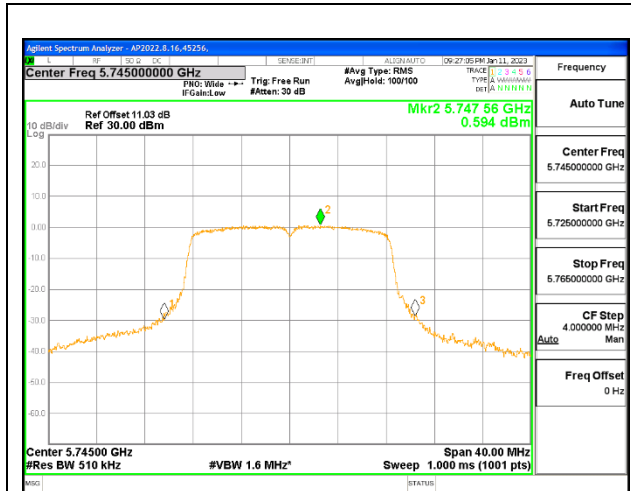
Duty Cycle CF (dB)	0.36	Included in Calculations of PSD
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Output Power Results

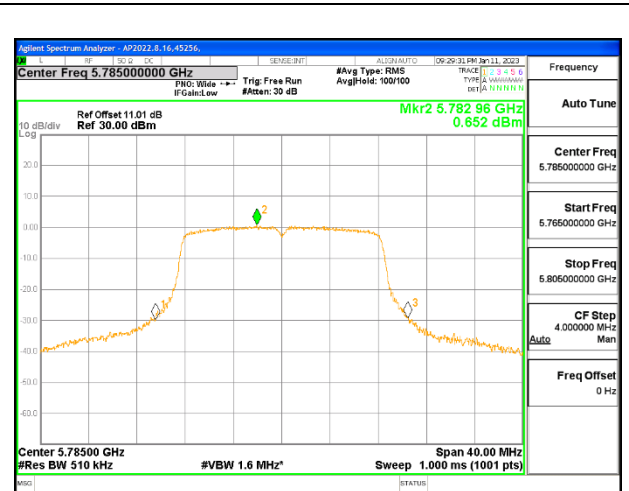
Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	15.21	15.21	30.00	-14.79
Mid	5785	15.42	15.42	30.00	-14.58
High	5825	15.79	15.79	30.00	-14.21

PSD Results

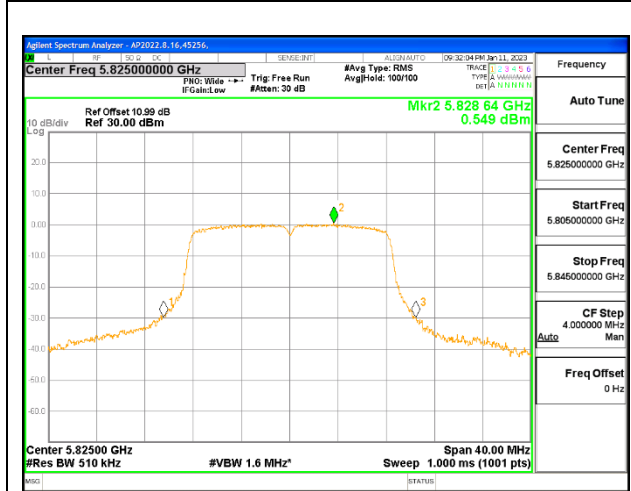
Channel	Frequency (MHz)	Meas PSD (dBm/ 500kHz)	Total Corr'd PSD (dBm/ 500kHz)	PSD Limit (dBm/ 500kHz)	PSD Margin (dB)
Low	5745	0.594	0.954	30.00	-29.05
Mid	5785	0.652	1.012	30.00	-28.99
High	5825	0.549	0.909	30.00	-29.09



LOW CHANNEL



MID CHANNEL



HIGH CHANNEL

Intentionally Left Blank

9.4.14. 802.11n HT20 MODE IN THE 5.8 GHz BAND

1TX Antenna 1 MODE

Test Engineer:	ZS16080 and JB45256
Test Date:	2022-12-06 to 2023-01-11

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	FCC PSD Limit (dBm/ 500KHz)
Low	5745	-2.98	30.00	30.00
Mid	5785	-2.98	30.00	30.00
High	5825	-2.98	30.00	30.00

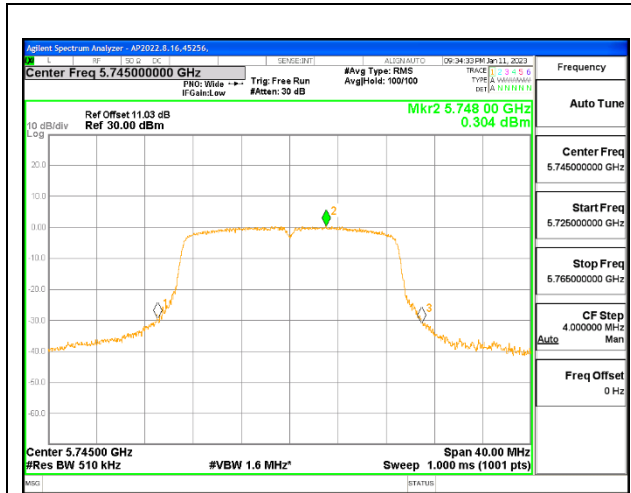
Duty Cycle CF (dB)	0.33	Included in Calculations of Corr'd PSD
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Output Power Results

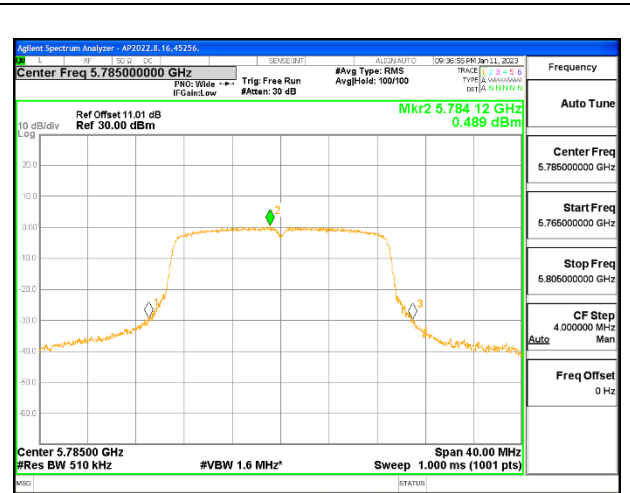
Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5745	15.71	15.71	30.00	-14.29
Mid	5785	15.66	15.66	30.00	-14.34
High	5825	15.67	15.67	30.00	-14.33

PSD Results

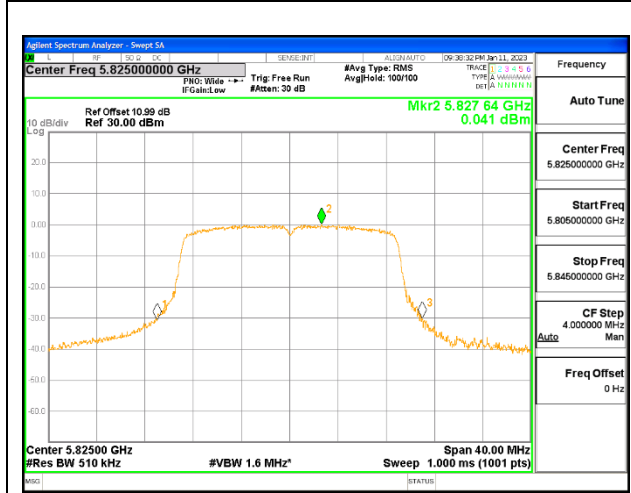
Channel	Frequency (MHz)	Meas PSD (dBm/ 500kHz)	Total Corr'd PSD (dBm/ 500kHz)	PSD Limit (dBm/ 500kHz)	PSD Margin (dB)
Low	5745	0.304	0.634	30.00	-29.37
Mid	5785	0.489	0.819	30.00	-29.18
High	5825	0.041	0.371	30.00	-29.63



LOW CHANNEL



MID CHANNEL



HIGH CHANNEL

Intentionally Left Blank

9.4.15. 802.11n HT40 MODE IN THE 5.8 GHz BAND

1TX Antenna 1 MODE

Test Engineer:	ZS16080 and JB45256
Test Date:	2022-12-06 to 2023-01-11

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	FCC PSD Limit (dBm/ 500KHz)
Low	5755	-2.98	30.00	30.00
High	5795	-2.98	30.00	30.00

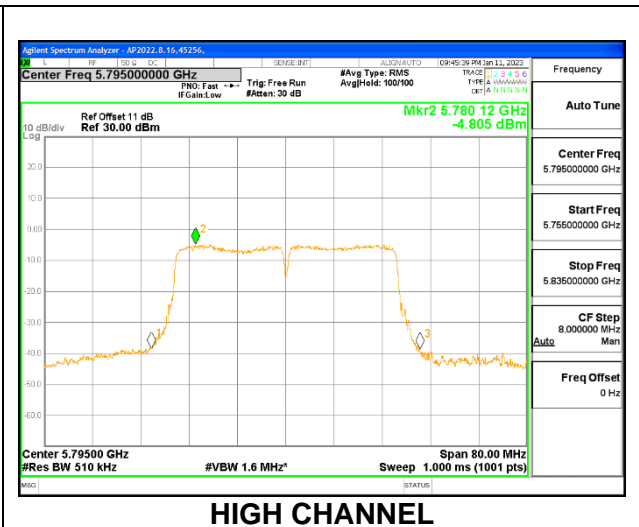
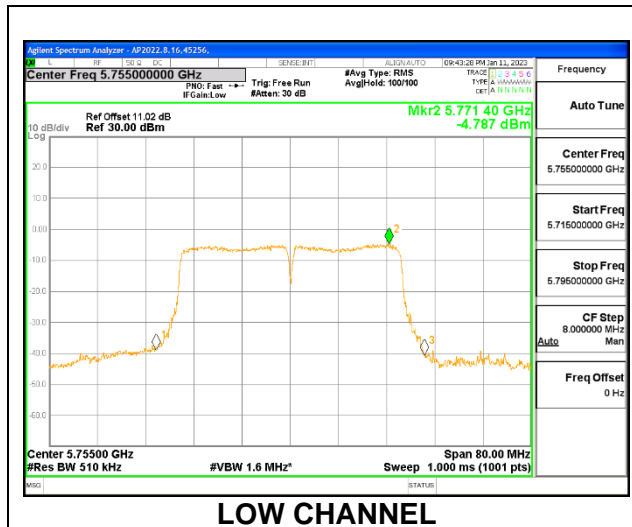
Duty Cycle CF (dB)	0.69	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5755	14.40	14.40	30.00	-15.60
High	5795	14.58	14.58	30.00	-15.42

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 500kHz)	Total Corr'd PSD (dBm/ 500kHz)	PSD Limit (dBm/ 500kHz)	PSD Margin (dB)
Low	5755	-4.787	-4.097	30.00	-34.10
High	5795	-4.805	-4.115	30.00	-34.12



9.4.16. 802.11ac VHT80 MODE IN THE 5.8 GHz BAND

1TX Antenna 1 MODE

Test Engineer:	ZS16080 and JB45256
Test Date:	2022-12-06 to 2023-01-11

Antenna Gain and Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	FCC PSD Limit (dBm/ 500KHz)
Mid	5775	-2.98	30.00	30.00

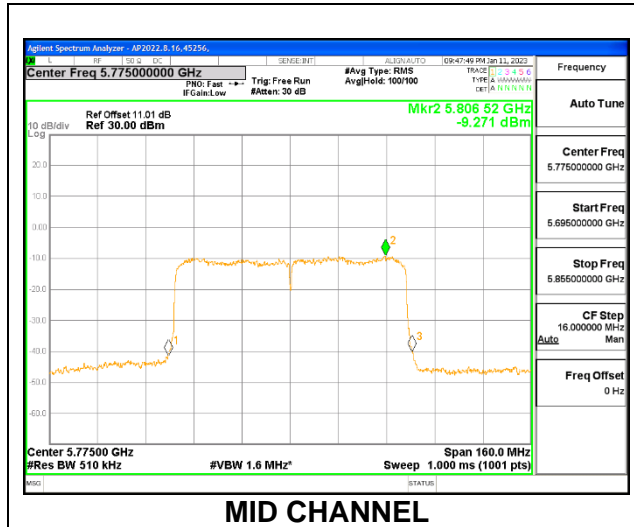
Duty Cycle CF (dB)	1.21	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5775	12.83	12.83	30.00	-17.17

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 500KHz)	Total Corr'd PSD (dBm/ 500KHz)	PSD Limit (dBm/ 500KHz)	PSD Margin (dB)
Mid	5775	-9.271	-8.061	30.00	-38.06



10. RADIATED TEST RESULTS

LIMITS

FCC §15.205 and §15.209 -Restricted bands

FCC §15.407(b)(1-3) -Un-Restricted bands

After January 01, 2019, for Outside of the Restricted Bands Emissions

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 30 KHz 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 measurements and as applicable for average measurements.

The spectrum from 30 MHz 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 in the 5 GHz bands.

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.

2D antenna use - For below 30MHz testing, investigation was done on three antenna orientations (parallel, perpendicular, and ground-parallel), parallel and perpendicular are the worst orientations, therefore testing was performed on these two orientations only.

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.

NOTE: The limits in CFR 47, Part 15, Subpart C, paragraph 15.209(a), are identical to those in RSS-Gen section 8.9, Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as reported in the table), using the free space impedance of 377 Ohms. For example, the measurement at frequency X kHz resulted in a level of Y dBuV/m, which is equivalent to $Y - 51.5 = Z$ dBuA/m, which has the same margin, W dB, to the corresponding RSS-Gen Table 6 limit as it has to 15.209(a) limit.

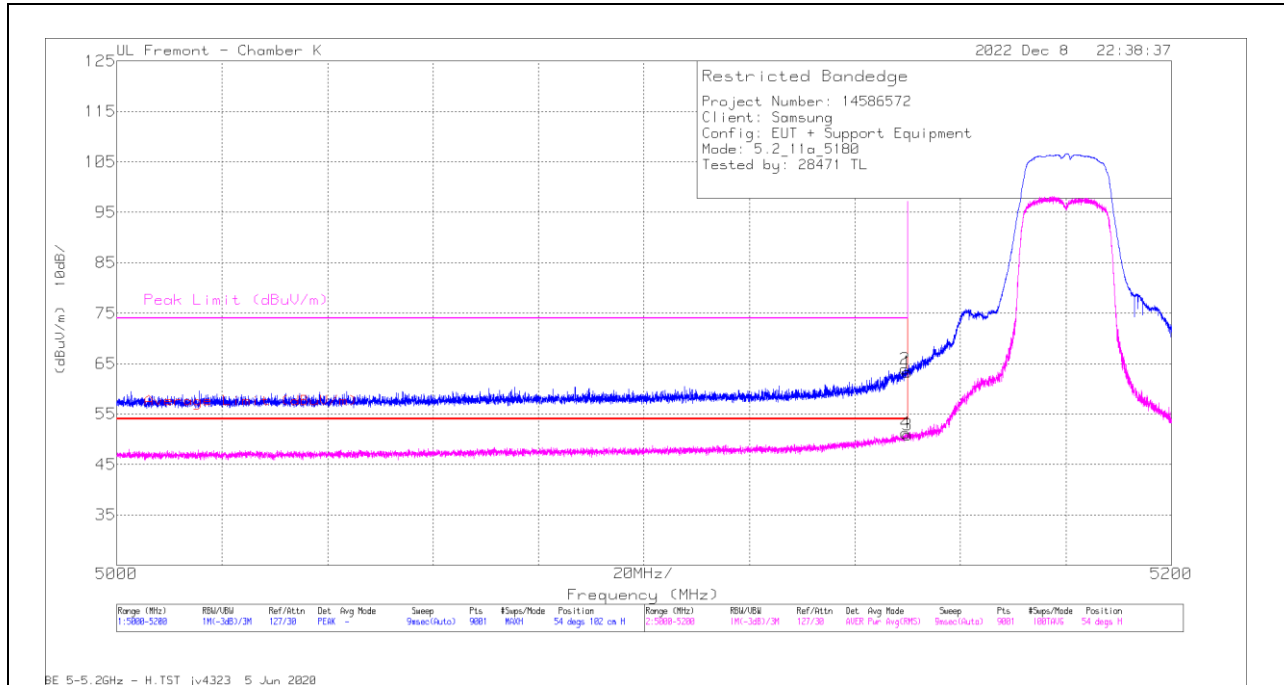
10.1. TRANSMITTER ABOVE 1 GHz

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



Trace Markers

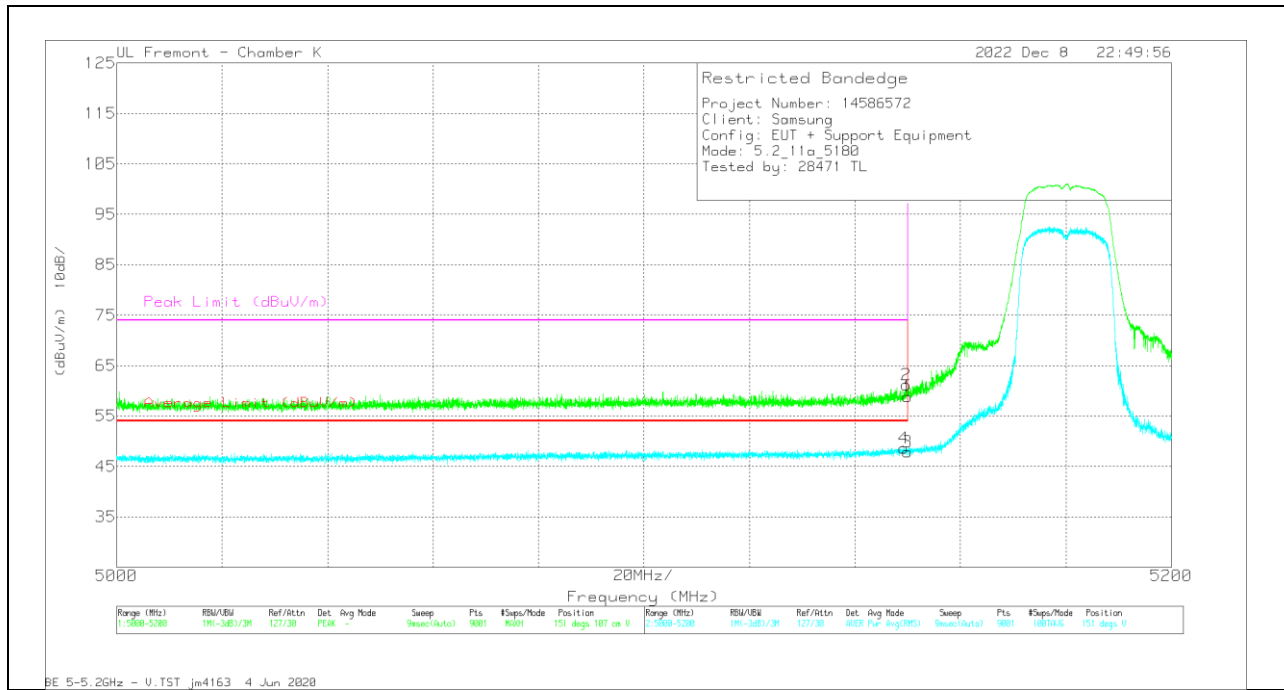
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	60.14	Pk	34.1	-30.9	0	63.34	-	-	74	-10.66	54	102	H
2	* 5149.487	60.74	Pk	34.1	-30.9	0	63.94	-	-	74	-10.06	54	102	H
3	* 5150	47.32	RMS	34.1	-30.9	.36	50.88	54	-3.12	-	-	54	102	H
4	* 5149.665	47.66	RMS	34.1	-30.9	.36	51.22	54	-2.78	-	-	54	102	H

* - indicates frequency in CFR47 Pt 15

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cb/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	55.6	Pk	34.1	-30.9	0	58.8	-	-	74	-15.2	151	107	V
2	* 5149.732	57.97	Pk	34.1	-30.9	0	61.17	-	-	74	-12.83	151	107	V
3	* 5150	44.39	RMS	34.1	-30.9	.36	47.95	54	-6.05	-	-	151	107	V
4	* 5149.199	45.11	RMS	34.1	-30.9	.36	48.67	54	-5.33	-	-	151	107	V

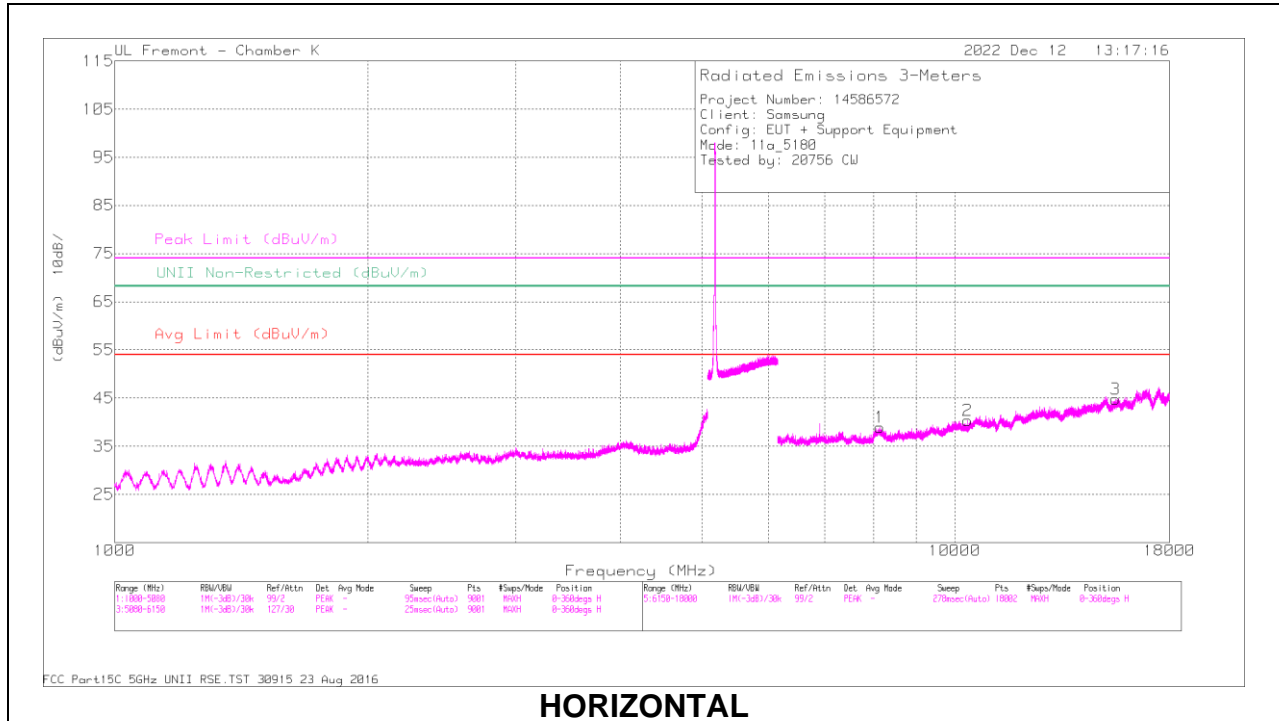
* - indicates frequency in CFR47 Pt 15

Pk - Peak detector

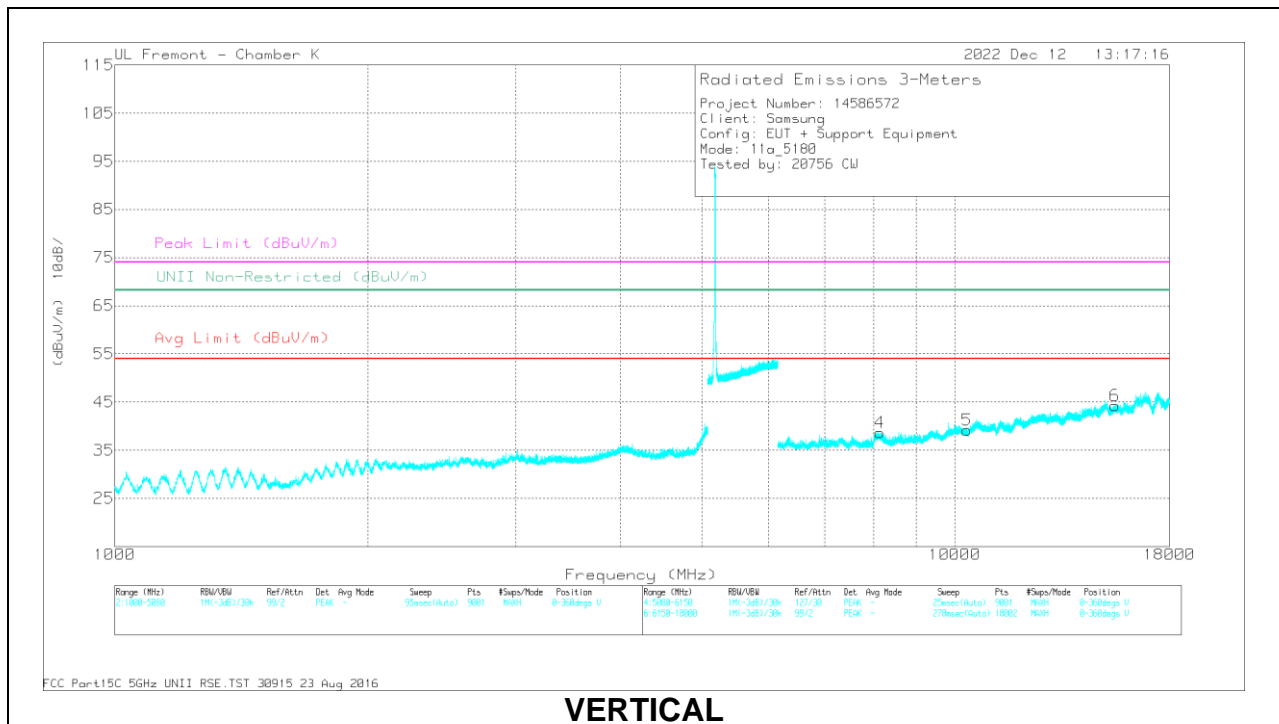
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

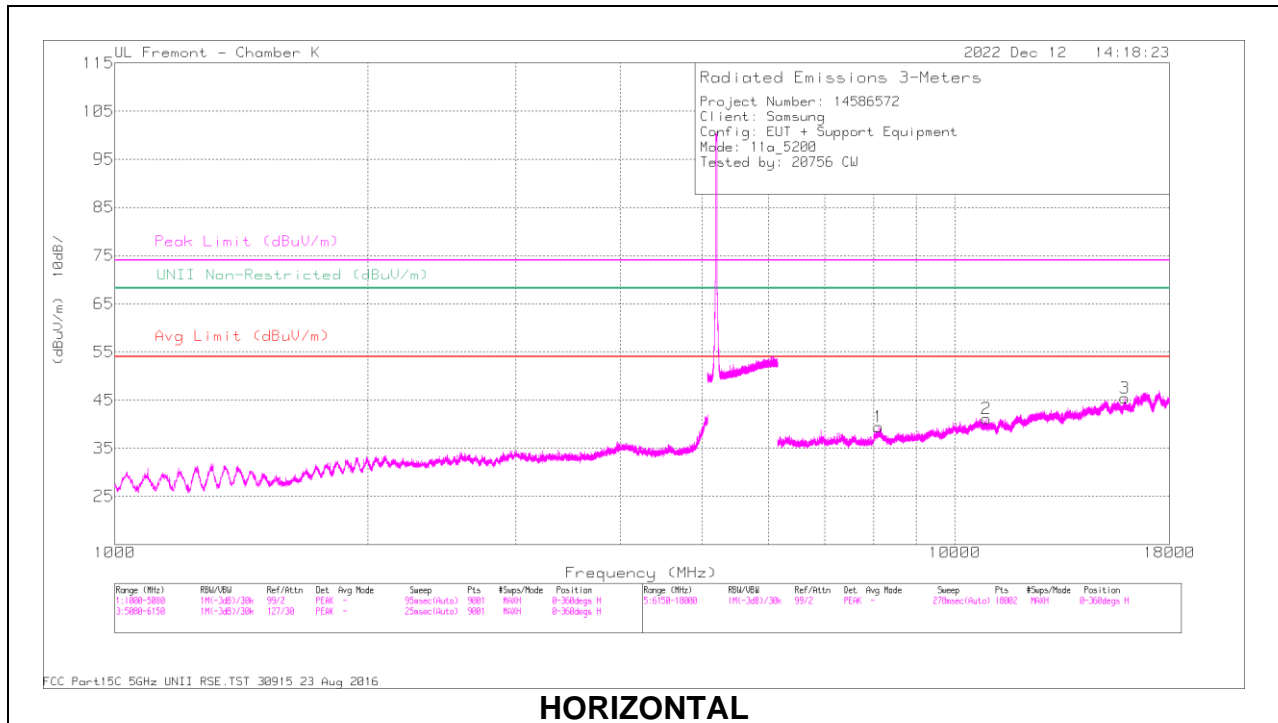
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Fitr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 8142.192	49.78	PK-U	35.9	-37.6	0	48.08	-	-	74	-25.92	-	-	15	254	H
	* 8142.576	38.41	ADR	35.9	-37.6	.36	37.07	54	-16.93	-	-	-	-	15	254	H
2	10359.675	48.12	PK-U	37.7	-36.8	0	49.02	-	-	-	-	68.2	-19.18	292	334	H
3	* 15524.074	47.36	PK-U	40	-33.4	0	53.96	-	-	74	-20.04	-	-	234	288	H
	* 15524.263	35.8	ADR	40	-33.4	.36	42.76	54	-11.24	-	-	-	-	234	288	H
4	* 8147.653	50.61	PK-U	35.9	-37.7	0	48.81	-	-	74	-25.19	-	-	314	301	V
	* 8149.041	38.67	ADR	35.9	-37.7	.36	37.23	54	-16.77	-	-	-	-	314	301	V
5	10340.095	48.31	PK-U	37.7	-36.8	0	49.21	-	-	-	-	68.2	-18.99	40	309	V
6	* 15505.691	47.28	PK-U	40	-33.3	0	53.98	-	-	74	-20.02	-	-	301	145	V
	* 15505.625	35.61	ADR	40	-33.3	.36	42.67	54	-11.33	-	-	-	-	301	145	V

* - indicates frequency in CFR47 Pt 15

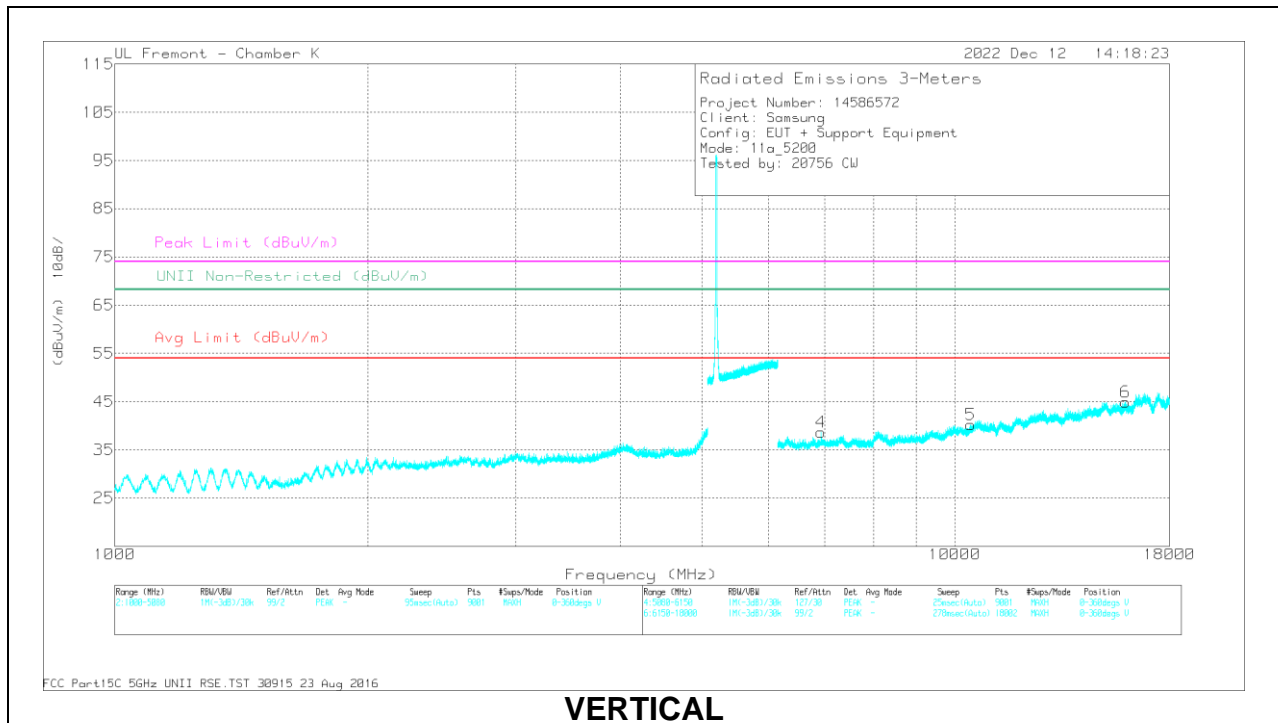
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

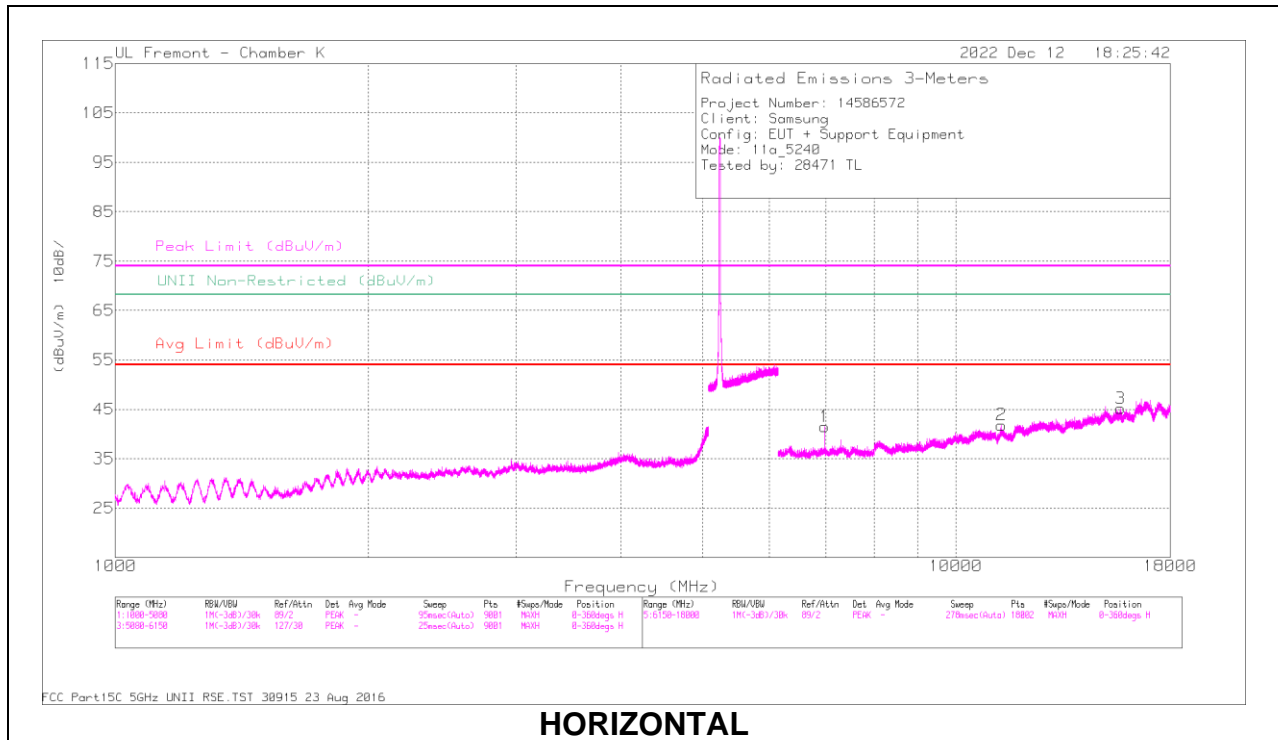
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	22308 3 ACF (dB) 3mH	Amp/Cbl/Fitter (dB)	DCC F (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 8116.097	49.94	PK-U	35.9	-37.3	0	48.54	-	-	74	-25.46	-	-	261	386	H
	* 8117.471	38.64	ADR	35.9	-37.4	.36	37.5	54	-16.5	-	-	-	-	261	386	H
2	* 10898.242	49.23	PK-U	38	-36.3	0	50.93	-	-	74	-23.07	-	-	290	232	H
	* 10898.231	37.02	ADR	38	-36.3	.36	39.08	54	-14.92	-	-	-	-	290	232	H
3	* 15945.331	46.84	PK-U	40.2	-32.9	0	54.14	-	-	74	-19.86	-	-	46	390	H
	* 15945.333	35.42	ADR	40.2	-32.9	.36	43.08	54	-10.92	-	-	-	-	46	390	H
4	6933.284	50.04	PK-U	35.7	-37.7	0	48.04	-	-	-	-	68.2	-20.16	42	178	V
5	10437.645	48.71	PK-U	37.8	-36.7	0	49.81	-	-	-	-	68.2	-18.39	135	258	V
6	* 15963.966	47.18	PK-U	40.2	-33.1	0	54.28	-	-	74	-19.72	-	-	183	236	V
	* 15963.954	35.56	ADR	40.2	-33.1	.36	43.02	54	-10.98	-	-	-	-	183	236	V

* - indicates frequency in CFR47 Pt 15

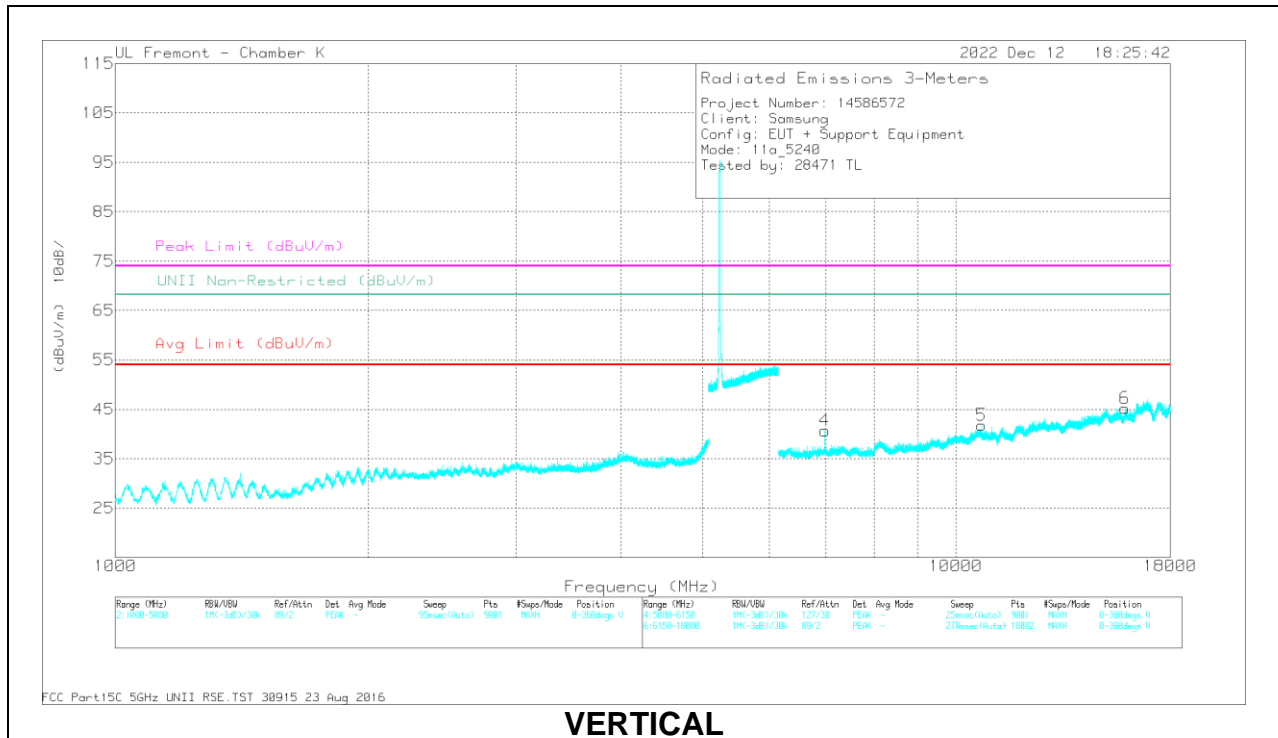
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	22308 3 ACF (dB) 3mH	Amp/Cbl/Fitter (dB)	DCF (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	6986.379	50.74	PK-U	35.7	-38.1	0	48.34	-	-	-	-	68.2	-19.86	55	209	H
2	* 11318.402	48.22	PK-U	37.8	-35.9	0	50.12	-	-	74	-23.88	-	-	321	375	H
	* 11346.777	36.95	ADR	37.8	-35.5	.36	39.61	54	-14.39	-	-	-	-	321	375	H
3	* 15715.678	47.04	PK-U	40.1	-33.5	0	53.64	-	-	74	-20.36	-	-	27	358	H
	* 15734.856	35.99	ADR	40.1	-33.5	.36	42.95	54	-11.05	-	-	-	-	27	358	H
4	6986.469	50.46	PK-U	35.7	-38.1	0	48.06	-	-	-	-	68.2	-20.14	77	262	V
5	* 10746.882	49.12	PK-U	37.9	-36.7	0	50.32	-	-	74	-23.68	-	-	343	208	V
	* 10742.696	37.43	ADR	37.9	-36.8	.36	38.89	54	-15.11	-	-	-	-	343	208	V
6	* 15891.016	46.13	PK-U	40.2	-32.8	0	53.53	-	-	74	-20.47	-	-	275	177	V
	* 15873.898	34.52	ADR	40.2	-33	.36	42.08	54	-11.92	-	-	-	-	275	177	V

* - indicates frequency in CFR47 Pt 15

PK-U - U-NII: Maximum Peak

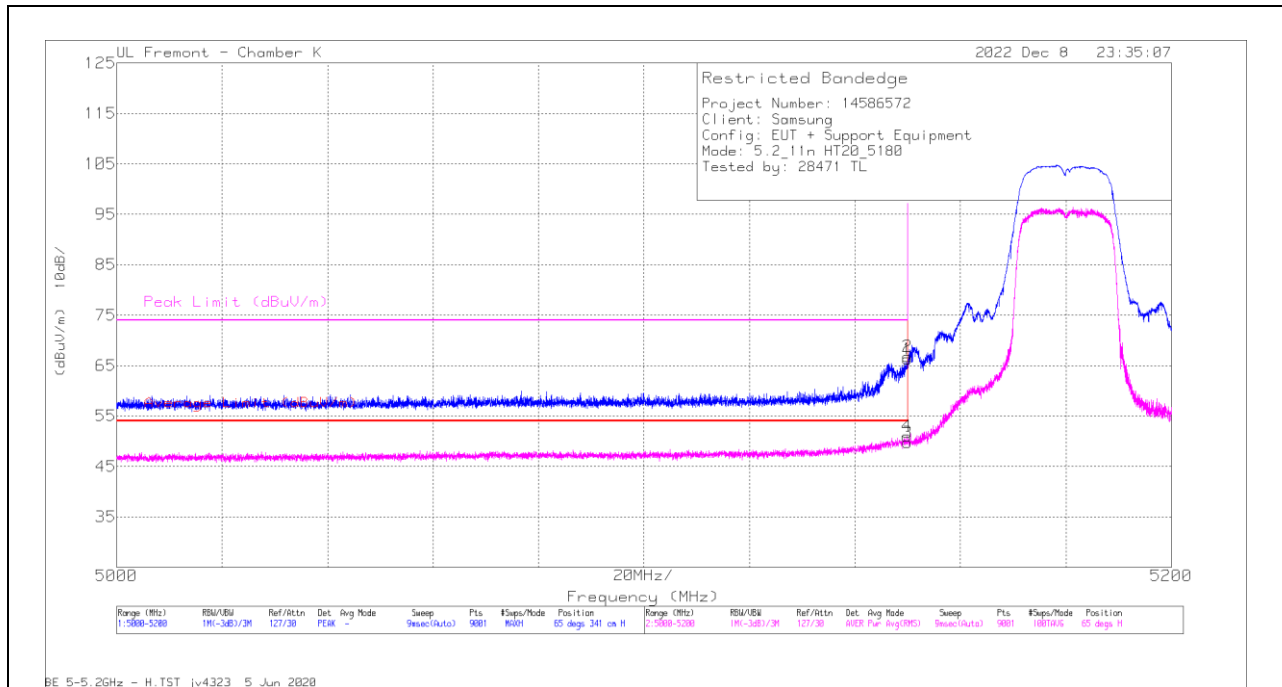
ADR - U-NII AD primary method, RMS average

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



Trace Markers

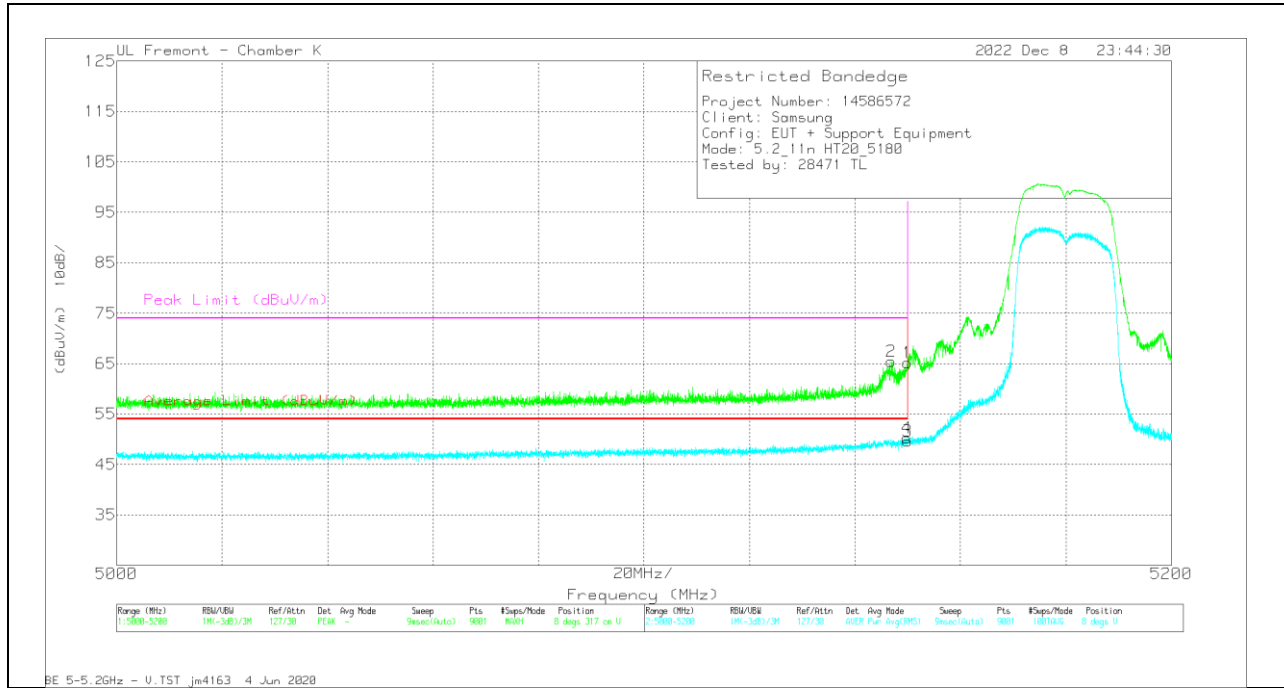
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cb/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	63.06	PK	34.1	-30.9	0	66.26	-	-	74	-7.74	65	341	H
2	* 5149.954	63.55	PK	34.1	-30.9	0	66.75	-	-	74	-7.25	65	341	H
3	* 5150	46.23	RMS	34.1	-30.9	.33	49.76	54	-4.24	-	-	65	341	H
4	* 5149.821	47.43	RMS	34.1	-30.9	.33	50.96	54	-3.04	-	-	65	341	H

* - indicates frequency in CFR47 Pt 15

PK - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	61.99	Pk	34.1	-30.9	0	65.19	-	-	74	-8.81	8	317	V
2	* 5146.932	62.28	Pk	34	-30.8	0	65.48	-	-	74	-8.52	8	317	V
3	* 5150	46.04	RMS	34.1	-30.9	.33	49.57	54	-4.43	-	-	8	317	V
4	* 5149.799	46.72	RMS	34.1	-30.9	.33	50.25	54	-3.75	-	-	8	317	V

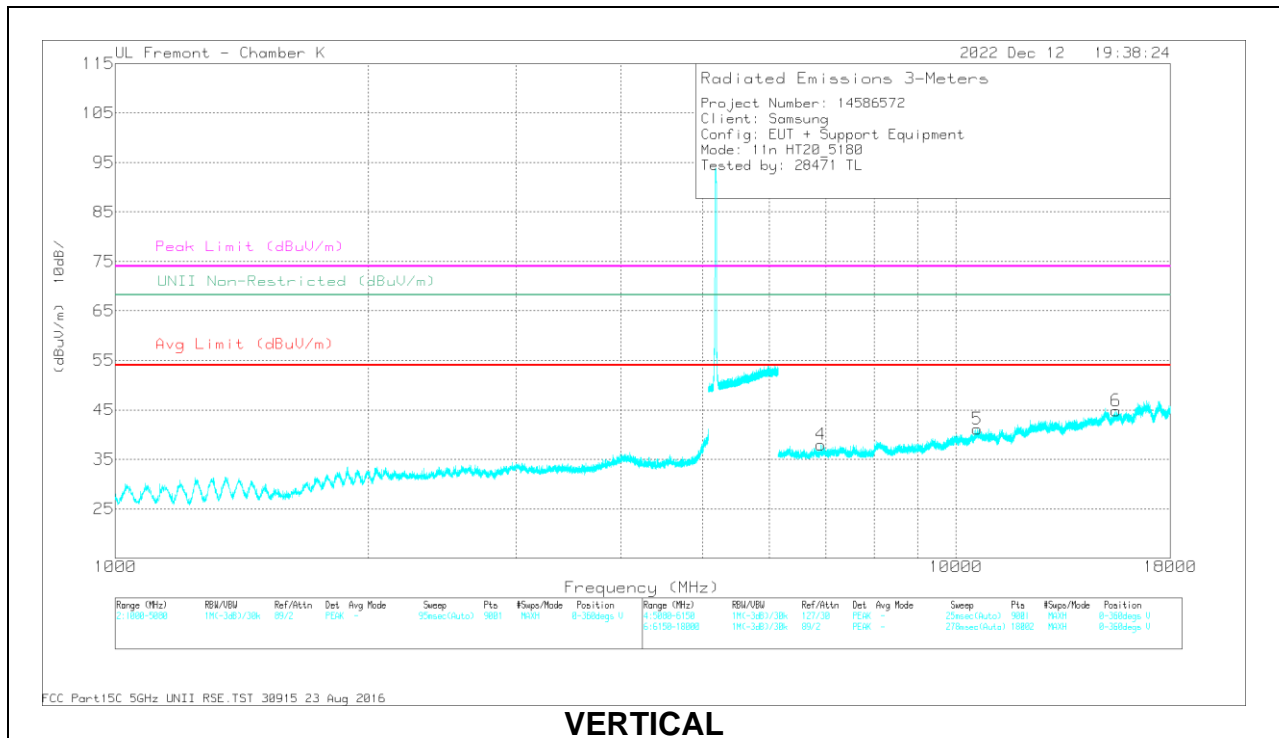
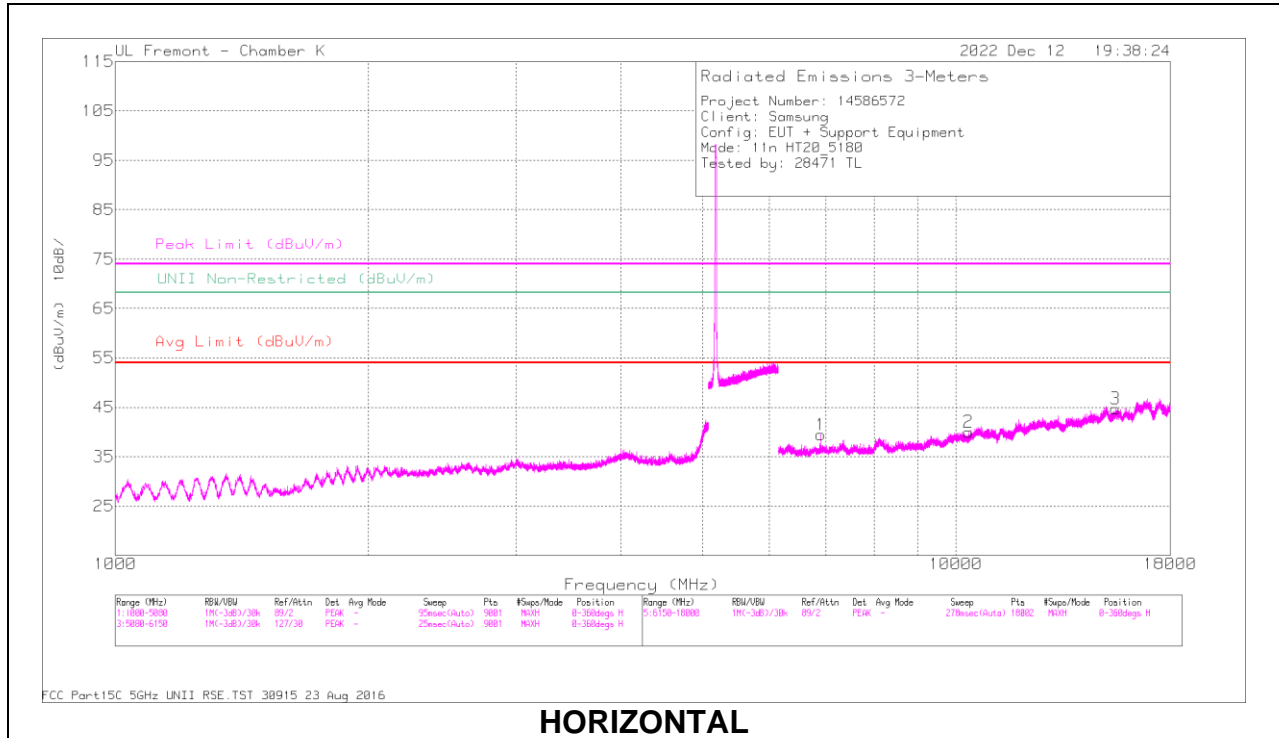
* - indicates frequency in CFR47 Pt 15

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

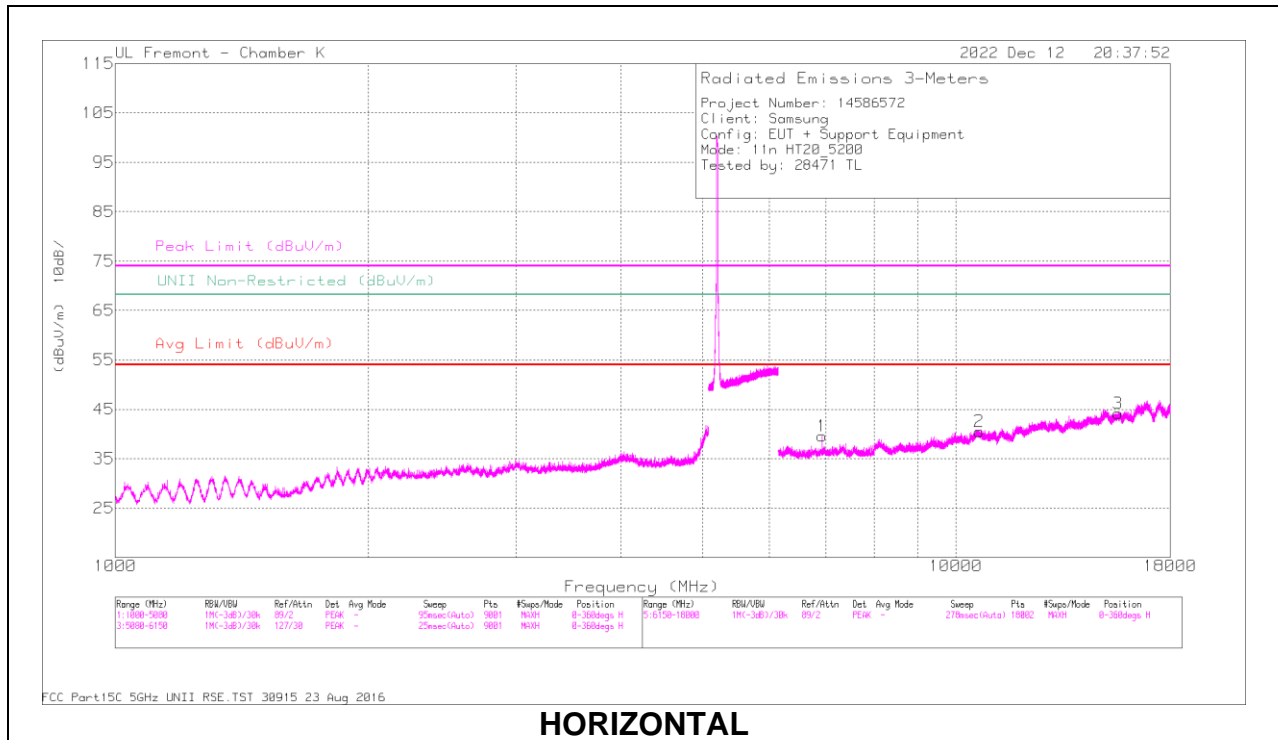
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Fitr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	6906.397	49.33	PK-U	35.7	-37.8	0	47.23	-	-	-	-	68.2	-20.97	61	225	H
2	10344.224	48.43	PK-U	37.7	-36.9	0	49.23	-	-	-	-	68.2	-18.97	101	103	H
3	* 15513.237	46.22	PK-U	40	-33.3	0	52.92	-	-	74	-21.08	-	-	86	125	H
	* 15517.01	34.67	ADR	40	-33.3	.33	41.7	54	-12.3	-	-	-	-	86	125	H
4	6927.341	48.88	PK-U	35.7	-37.7	0	46.88	-	-	-	-	68.2	-21.32	202	375	V
5	* 11796.525	47.17	PK-U	38.3	-34.9	0	50.57	-	-	74	-23.43	-	-	131	318	V
	* 11522.639	36.29	ADR	37.9	-35.7	.33	38.82	54	-15.18	-	-	-	-	131	318	V
6	* 15543.029	46.13	PK-U	40	-33.6	0	52.53	-	-	74	-21.47	-	-	50	397	V
	* 15535.323	34.97	ADR	40	-33.5	.33	41.8	54	-12.2	-	-	-	-	50	397	V

* - indicates frequency in CFR47 Pt 15

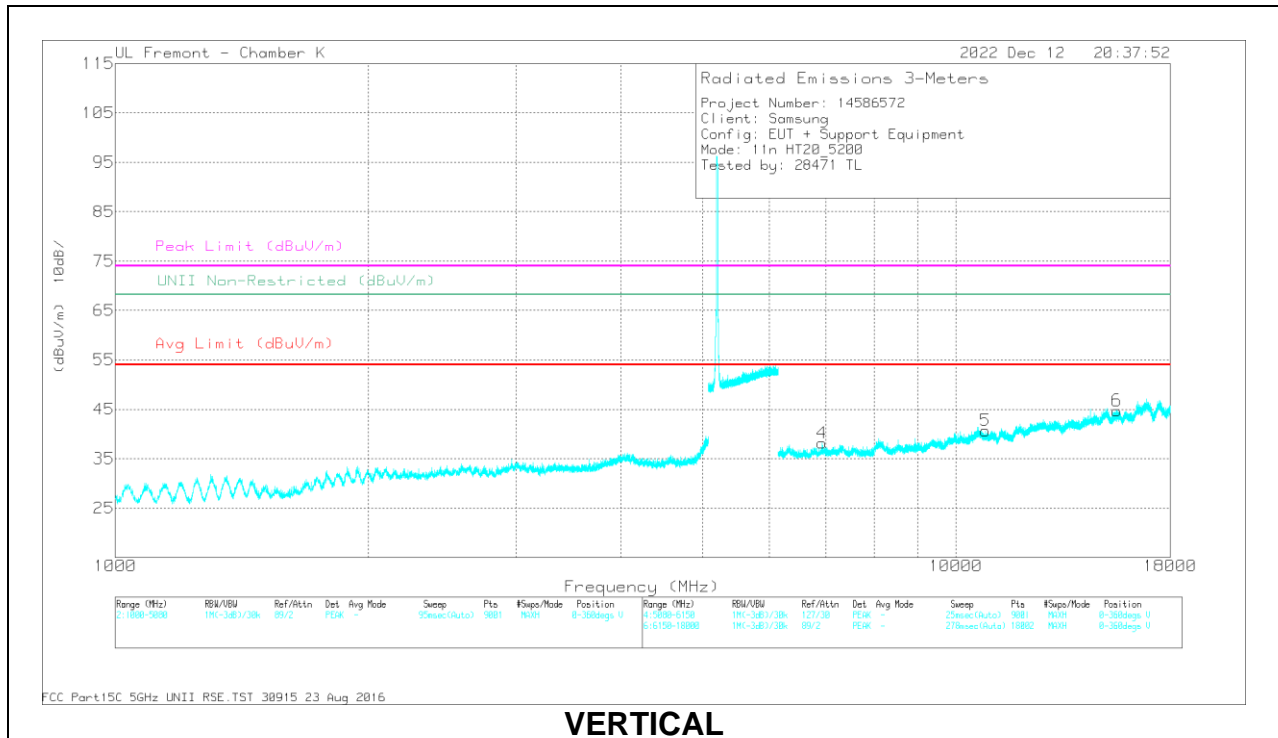
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

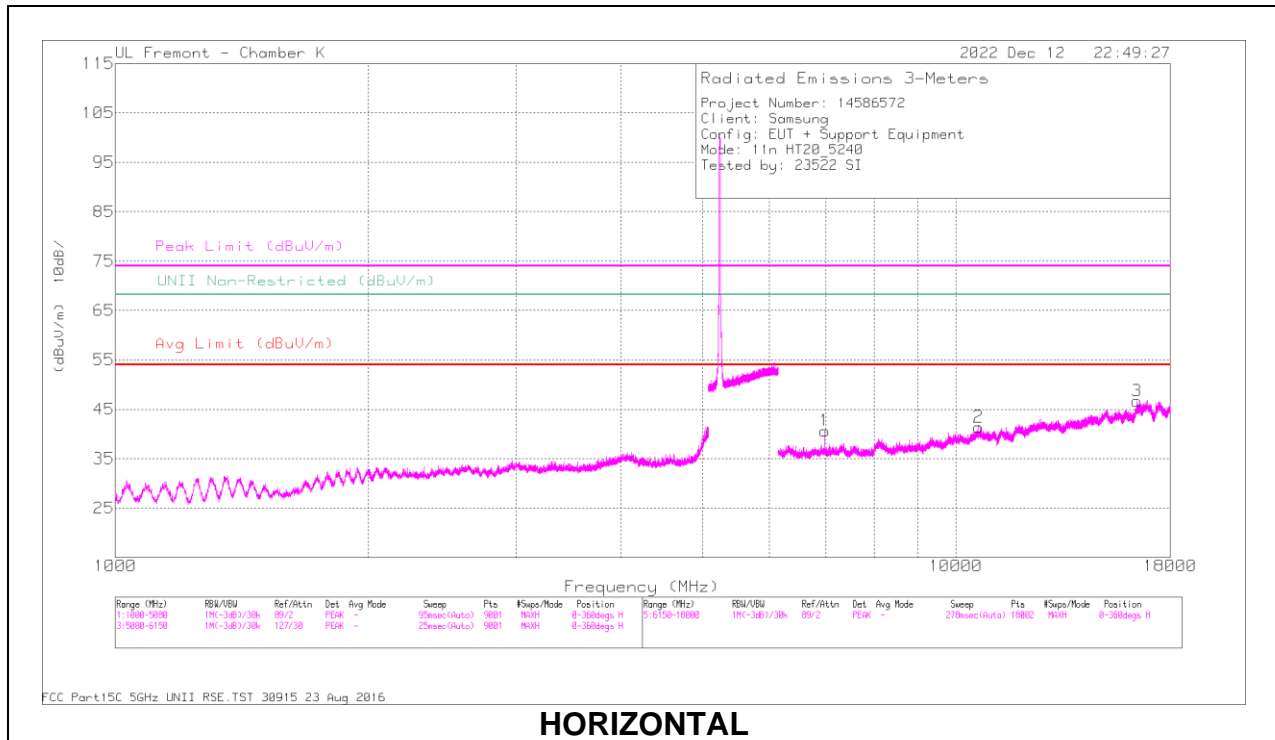
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Fitr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	6907.331	48.88	PK-U	35.7	-37.8	0	46.78	-	-	-	-	68.2	-21.42	271	295	H
2	* 10668.819	48.79	PK-U	37.9	-36.8	0	49.89	-	-	74	-24.11	-	-	162	131	H
	* 10668.279	37.53	ADR	37.9	-36.7	.33	39.06	54	-14.94	-	-	-	-	162	131	H
3	* 15593.928	46.77	PK-U	40	-33.1	0	53.67	-	-	74	-20.33	-	-	159	318	H
	* 15590.752	35.19	ADR	40	-33.2	.33	42.32	54	-11.68	-	-	-	-	159	318	H
4	6933.358	50.16	PK-U	35.7	-37.7	0	48.16	-	-	-	-	68.2	-20.04	351	214	V
5	* 10848.483	49	PK-U	38	-36.8	0	50.2	-	-	74	-23.8	-	-	123	347	V
	* 10850.387	37.31	ADR	38	-36.7	.33	38.94	54	-15.06	-	-	-	-	123	347	V
6	* 15553.024	46.76	PK-U	40	-33.6	0	53.16	-	-	74	-20.84	-	-	101	249	V
	* 15552.051	35.18	ADR	40	-33.6	.33	41.91	54	-12.09	-	-	-	-	101	249	V

* - indicates frequency in CFR47 Pt 15

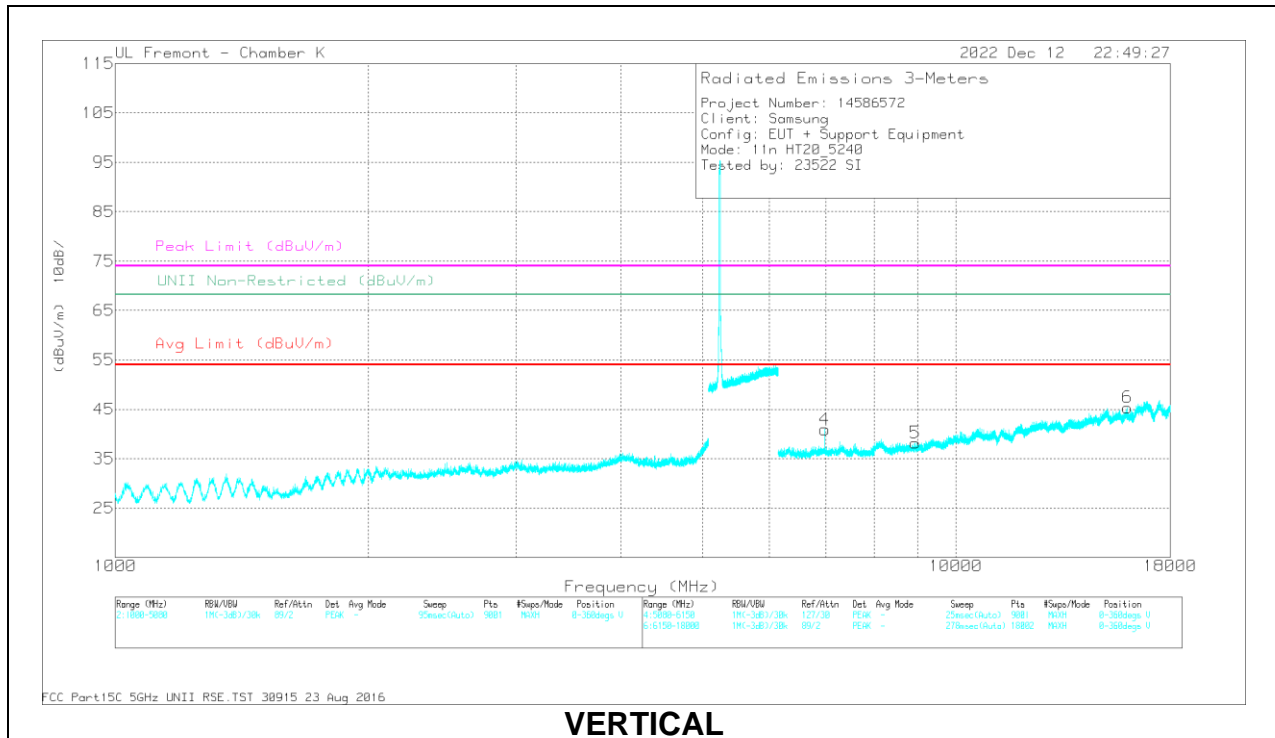
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Fitr (dB)	DCCF (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	* 10646.21	49.42	PK-U	37.9	-36.8	0	50.52	-	-	74	-23.48	-	-	293	241	H
	* 10645.106	37.58	ADR	37.9	-36.8	.33	39.01	54	-14.99	-	-	-	-	293	241	H
2	6986.5	51.08	PK-U	35.7	-38.1	0	48.68	-	-	-	-	68.2	-19.52	66	250	H
3	16421.792	46.49	PK-U	40.7	-32.4	0	54.79	-	-	-	-	68.2	-13.41	285	171	H
4	6986.675	51.43	PK-U	35.7	-38.1	0	49.03	-	-	-	-	68.2	-19.17	93	271	V
5	8953.022	48.43	PK-U	36.1	-36.8	0	47.73	-	-	-	-	68.2	-20.47	206	314	V
6	* 16002.46	46.95	PK-U	40.2	-33.3	0	53.85	-	-	74	-20.15	-	-	106	171	V
	* 16004.745	35	ADR	40.2	-33.3	.33	42.23	54	-11.77	-	-	-	-	106	171	V

* - indicates frequency in CFR47 Pt 15

PK-U - U-NII: Maximum Peak

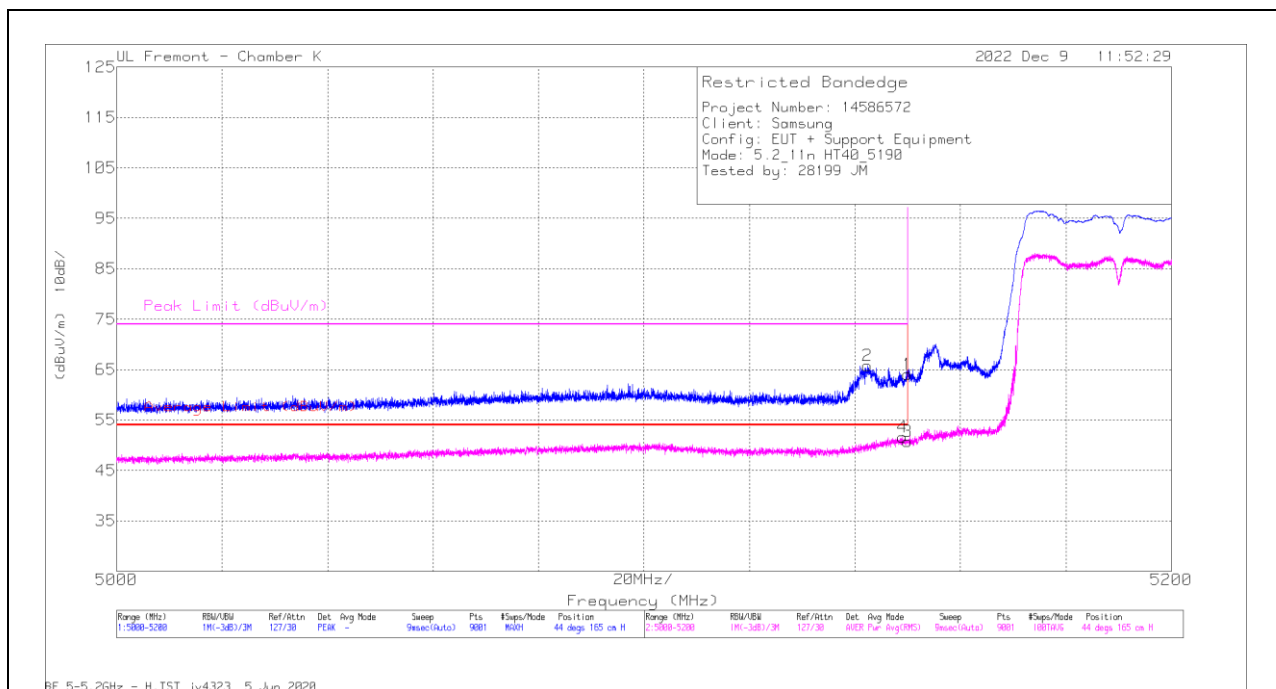
ADR - U-NII AD primary method, RMS average

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



Trace Markers

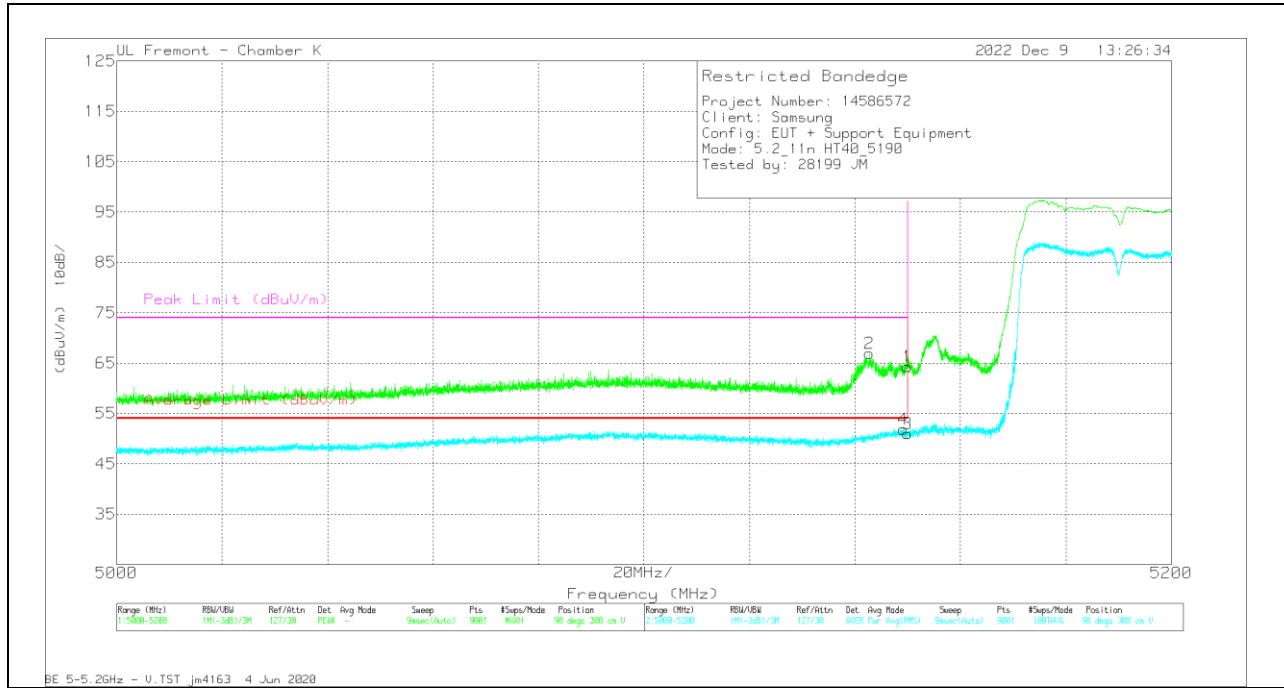
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cb/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	60.87	Pk	34.1	-30.9	0	64.07	-	-	74	-9.93	44	165	H
2	* 5142.354	62.7	Pk	34	-30.9	0	65.8	-	-	74	-8.2	44	165	H
3	* 5150	46.92	RMS	34.1	-30.9	.69	50.81	54	-3.19	-	-	44	165	H
4	* 5149.065	47.74	RMS	34.1	-30.9	.69	51.63	54	-2.37	-	-	44	165	H

* - indicates frequency in CFR47 Pt 15

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



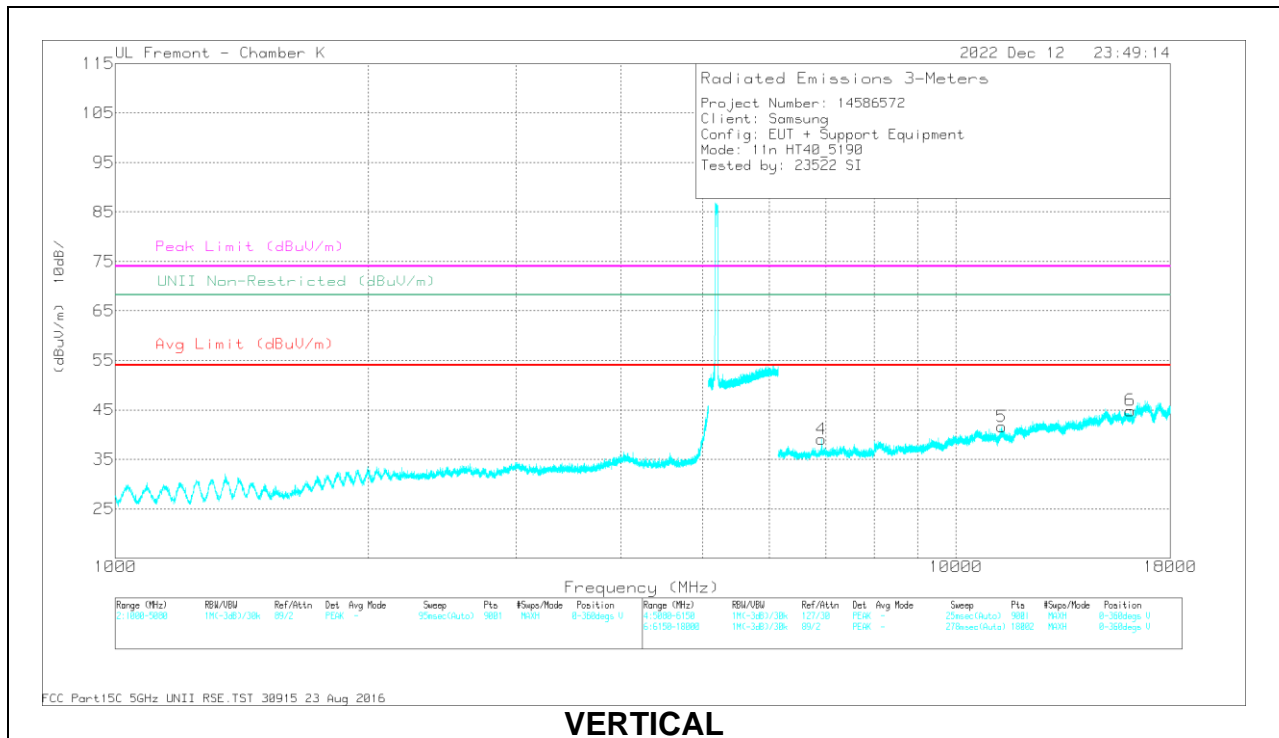
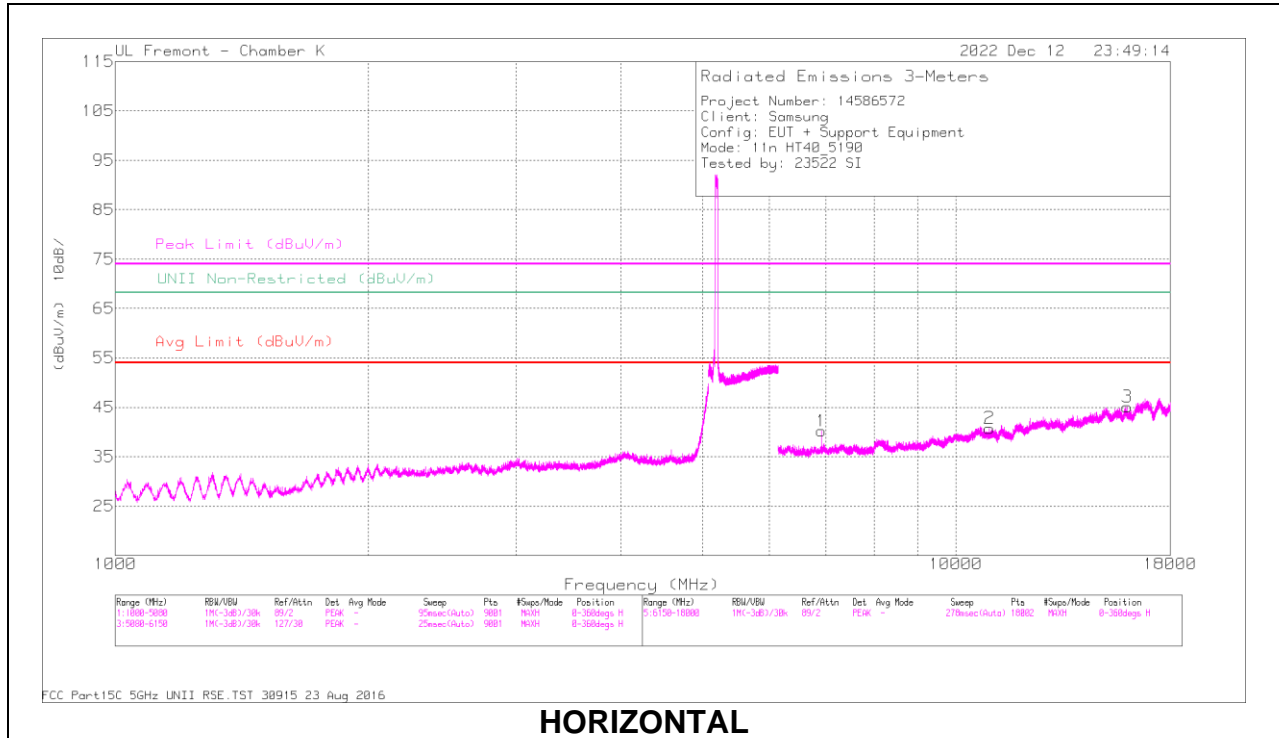
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	61.12	Pk	34.1	-30.9	0	64.32	-	-	74	-9.68	98	308	V
2	* 5142.754	63.78	Pk	34	-30.9	0	66.88	-	-	74	-7.12	98	308	V
3	* 5150	47.14	RMS	34.1	-30.9	.69	51.03	54	-2.97	-	-	98	308	V
4	* 5149.087	48.01	RMS	34.1	-30.9	.69	51.9	54	-2.1	-	-	98	308	V

* - indicates frequency in CFR47 Pt 15
 Pk - Peak detector
 RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

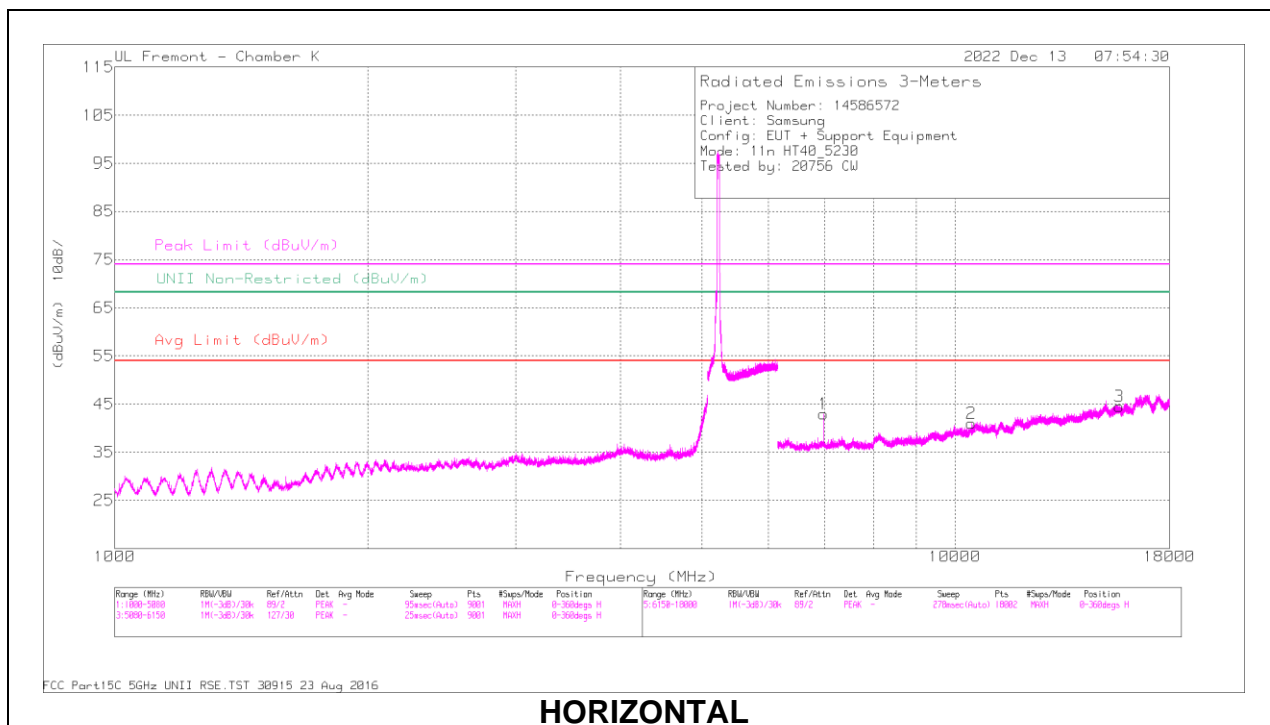
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Fitr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	6920.02	50.27	PK-U	35.7	-37.8	0	48.17	-	-	-	-	68.2	-20.03	23	181	H
2	* 10970.01	48.65	PK-U	38	-36.5	0	50.15	-	-	74	-23.85	-	-	309	155	H
	* 10969.754	36.91	ADR	38	-36.5	.69	39.1	54	-14.9	-	-	-	-	309	155	H
3	* 15996.354	46.48	PK-U	40.2	-33.4	0	53.28	-	-	74	-20.72	-	-	191	270	H
	* 15999.607	35.08	ADR	40.2	-33.4	.69	42.57	54	-11.43	-	-	-	-	191	270	H
4	6920.135	50.03	PK-U	35.7	-37.8	0	47.93	-	-	-	-	68.2	-20.27	100	349	V
5	* 11340.404	48.35	PK-U	37.8	-35.5	0	50.65	-	-	74	-23.35	-	-	165	131	V
	* 11340.926	37	ADR	37.8	-35.4	.69	40.09	54	-13.91	-	-	-	-	165	131	V
6	* 16134.816	46.8	PK-U	40.3	-33	0	54.1	-	-	74	-19.9	-	-	356	343	V
	* 16133.797	35.31	ADR	40.3	-33.1	.69	43.2	54	-10.8	-	-	-	-	356	343	V

* - indicates frequency in CFR47 Pt 15

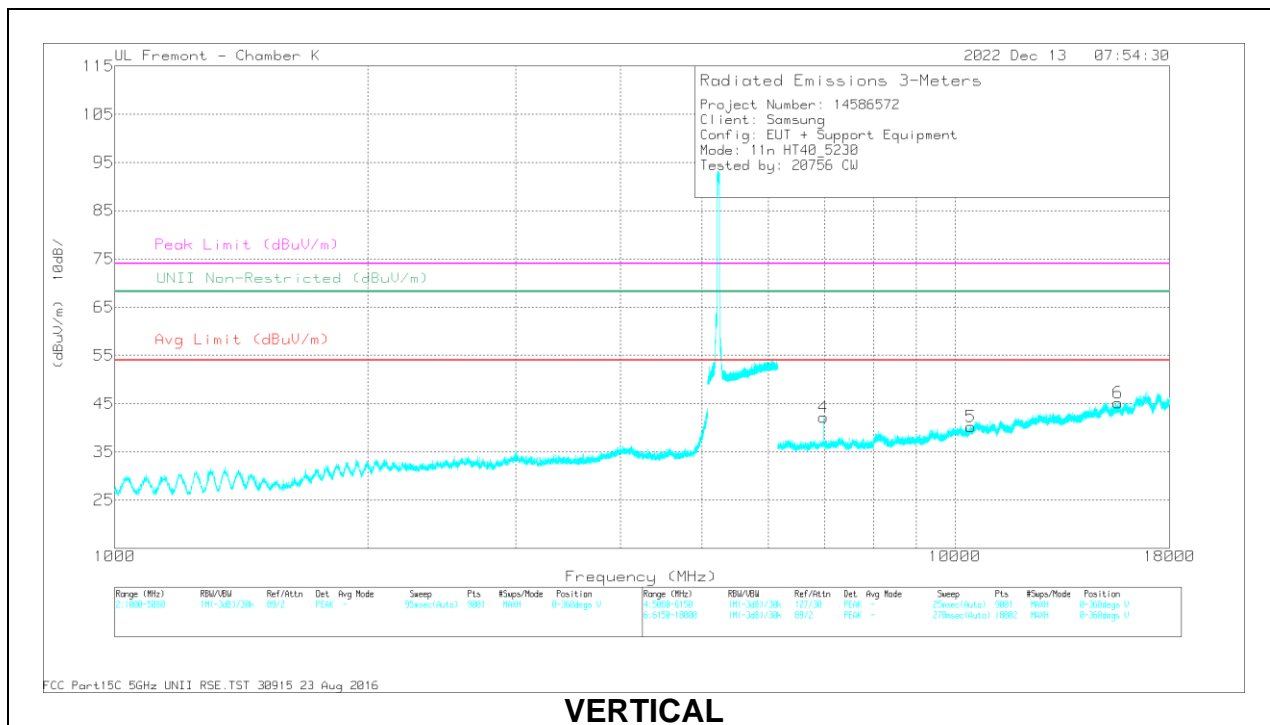
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Fitr (dB)	DCCF (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	6973.425	50.1	PK-U	35.7	-37.9	0	47.9	-	-	-	-	68.2	-20.3	244	248	H
2	10461.514	48.93	PK-U	37.8	-36.8	0	49.93	-	-	-	-	68.2	-18.27	215	333	H
3	* 15678.18	47.71	PK-U	40.1	-33.2	0	54.61	-	-	74	-19.39	-	-	292	193	H
	* 15678.027	35.99	ADR	40.1	-33.2	.69	43.58	54	-10.42	-	-	-	-	292	193	H
4	6972.817	50.69	PK-U	35.7	-37.8	0	48.59	-	-	-	-	68.2	-19.61	289	336	V
5	10441.512	48.91	PK-U	37.8	-36.7	0	50.01	-	-	-	-	68.2	-18.19	49	391	V
6	* 15647.251	48.51	PK-U	40.1	-33.1	0	55.51	-	-	74	-18.49	-	-	293	275	V
	* 15647.172	35.87	ADR	40.1	-33.1	.69	43.56	54	-10.44	-	-	-	-	293	275	V

* - indicates frequency in CFR47 Pt 15

PK-U - U-NII: Maximum Peak

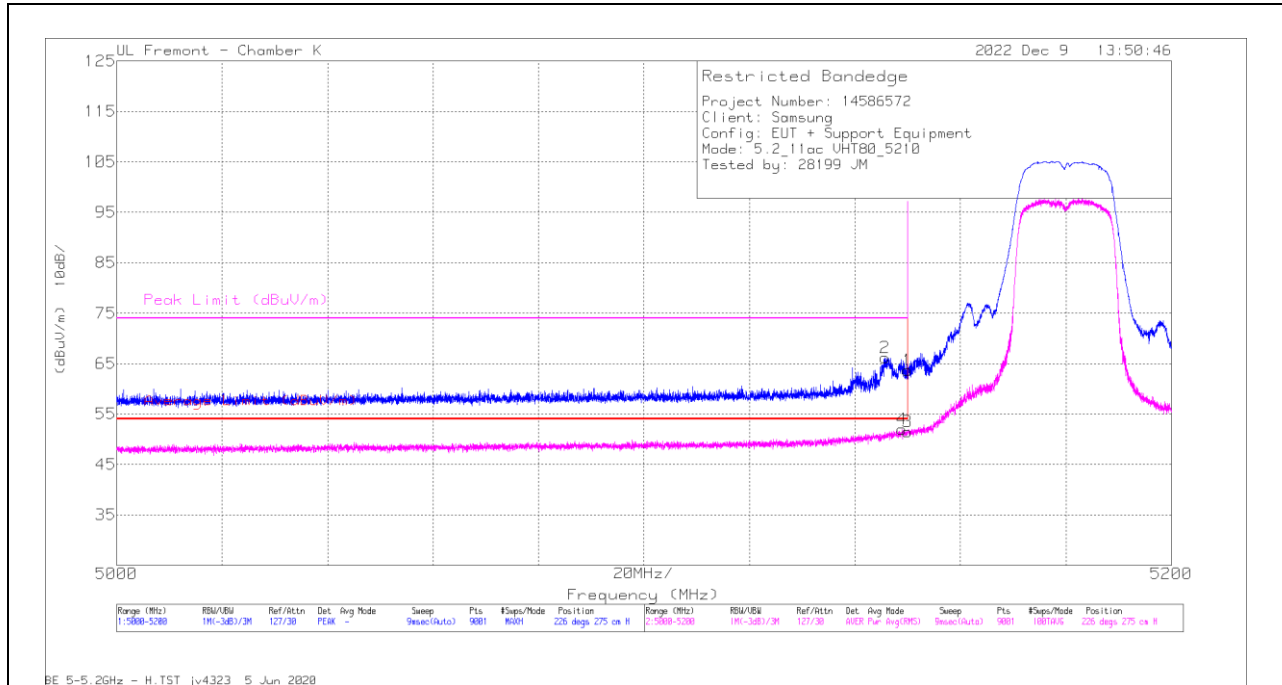
ADR - U-NII AD primary method, RMS average

10.1.4. TX ABOVE 1 GHz 802.11ac VHT80 MODE IN THE 5.2 GHz BAND

1TX Antenna 1 MODE

BANDEDGE (MID CHANNEL)

HORIZONTAL RESULT



Trace Markers

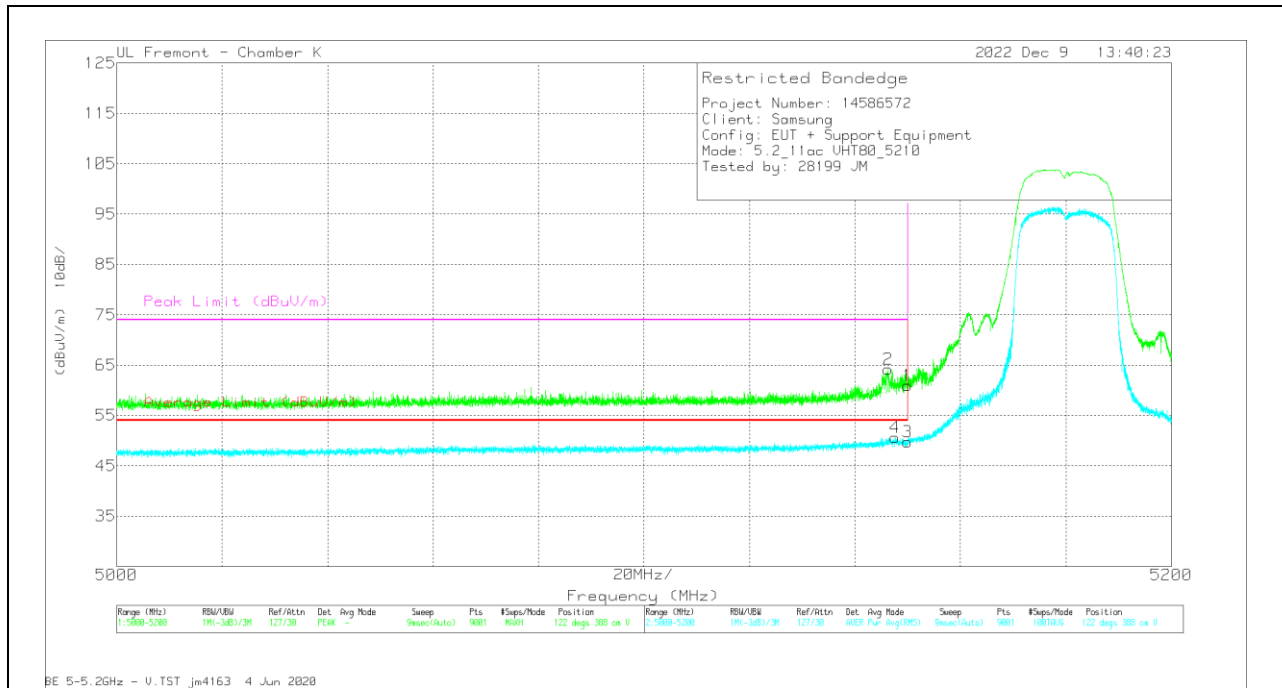
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cb/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	60.46	Pk	34.1	-30.9	0	63.66	-	-	74	-10.34	226	275	H
2	* 5145.71	63.03	Pk	34	-30.8	0	66.23	-	-	74	-7.77	226	275	H
3	* 5150	47.03	RMS	34.1	-30.9	1.21	51.44	54	-2.56	-	-	226	275	H
4	* 5148.954	47.55	RMS	34	-30.9	1.21	51.86	54	-2.14	-	-	226	275	H

* - indicates frequency in CFR47 Pt 15

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5150	57.71	Pk	34.1	-30.9	0	60.91	-	-	74	-13.09	122	388	V
2	* 5146.243	61.03	Pk	34	-30.8	0	64.23	-	-	74	-9.77	122	388	V
3	* 5150	45.28	RMS	34.1	-30.9	1.21	49.69	54	-4.31	-	-	122	388	V
4	* 5147.599	46.19	RMS	34	-30.8	1.21	50.6	54	-3.4	-	-	122	388	V

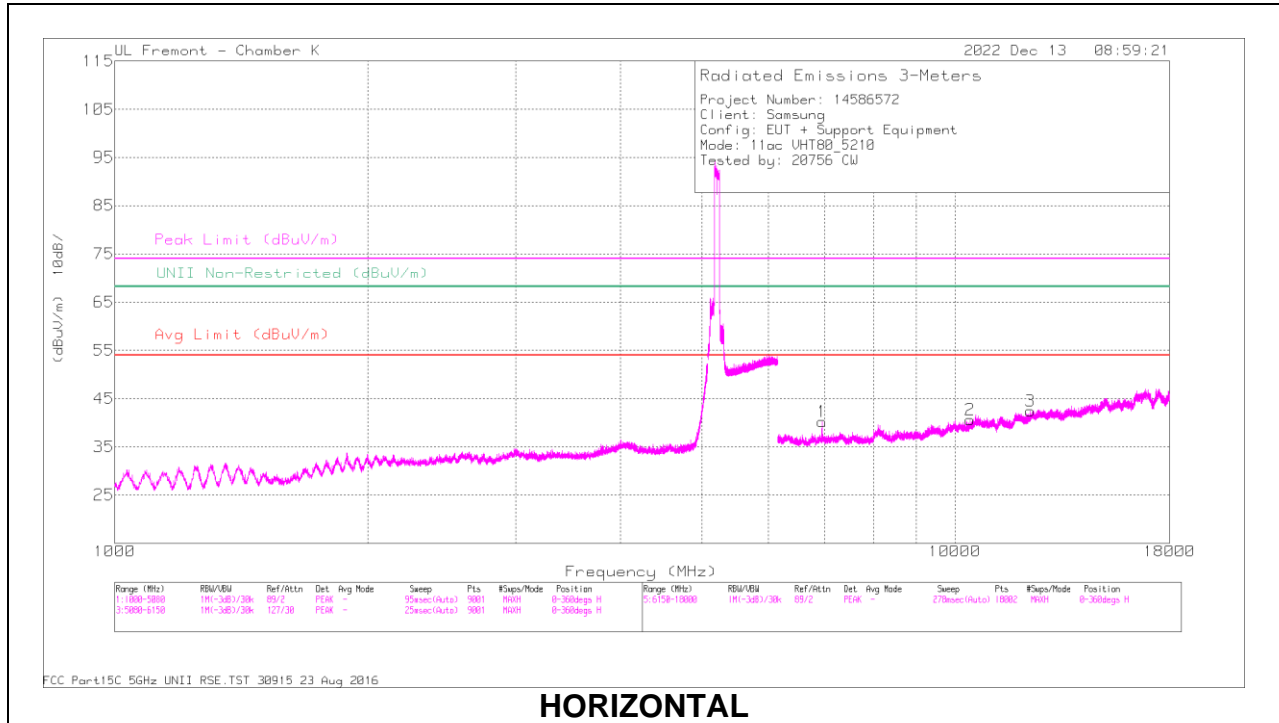
* - indicates frequency in CFR47 Pt 15

Pk - Peak detector

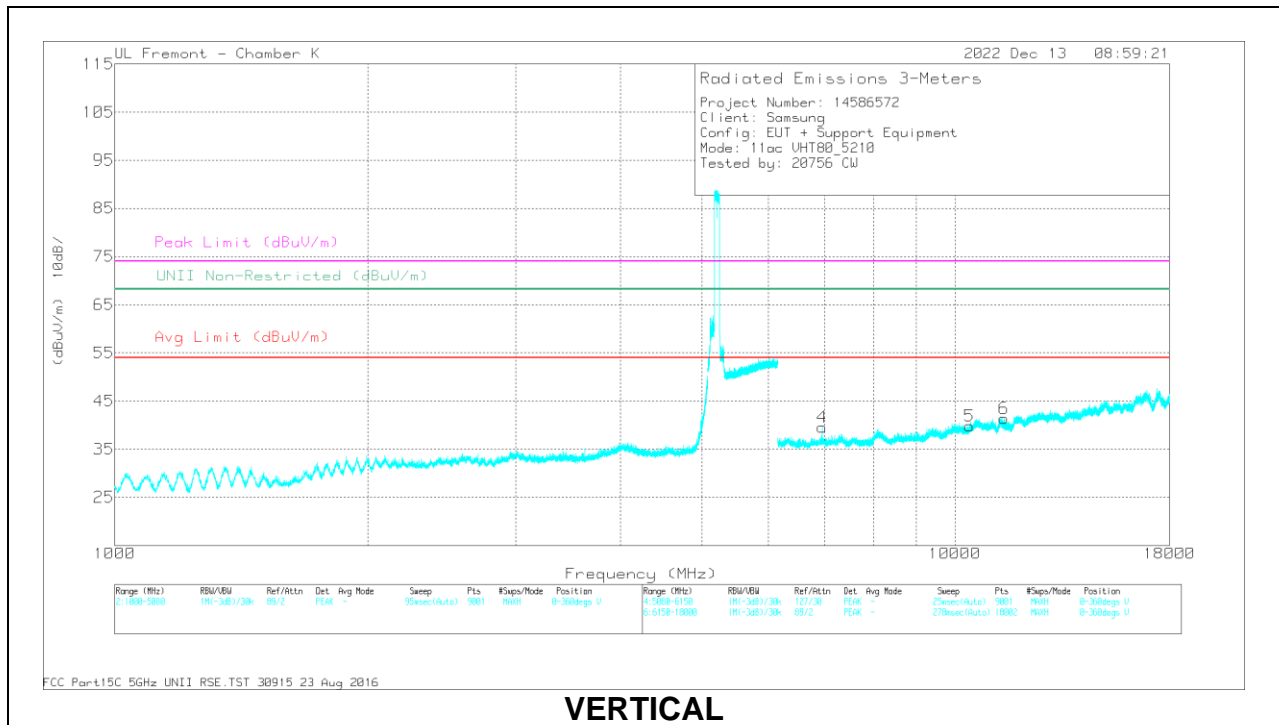
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Fitr (dB)	DCCF (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	6944.364	49.29	PK-U	35.7	-37.8	0	47.19	-	-	-	-	68.2	-21.01	262	335	H
2	10419.553	49.68	PK-U	37.8	-36.7	0	50.78	-	-	-	-	68.2	-17.42	91	104	H
3	* 12298.032	47.58	PK-U	39	-34.6	0	51.98	-	-	74	-22.02	-	-	142	128	H
	* 12297.64	35.32	ADR	39	-34.6	1.21	40.93	54	-13.07	-	-	-	-	142	128	H
4	6947.045	50.18	PK-U	35.7	-37.9	0	47.98	-	-	-	-	68.2	-20.22	307	391	V
5	10413.695	48.61	PK-U	37.8	-36.8	0	49.61	-	-	-	-	68.2	-18.59	243	367	V
6	* 11446.578	48.55	PK-U	37.8	-35.9	0	50.45	-	-	74	-23.55	-	-	143	347	V
	* 11446.841	36.49	ADR	37.8	-35.9	1.21	39.6	54	-14.4	-	-	-	-	143	347	V

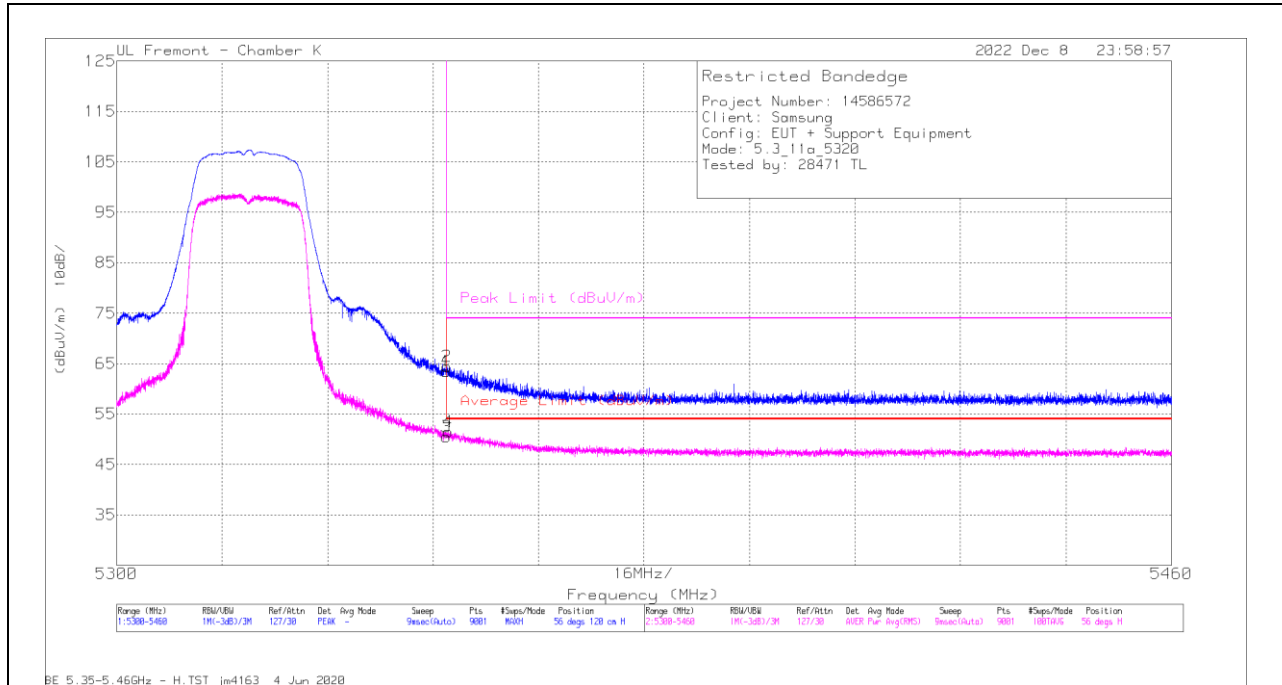
* - indicates frequency in CFR47 Pt 15
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

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

1TX Antenna 1 MODE

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Trace Markers

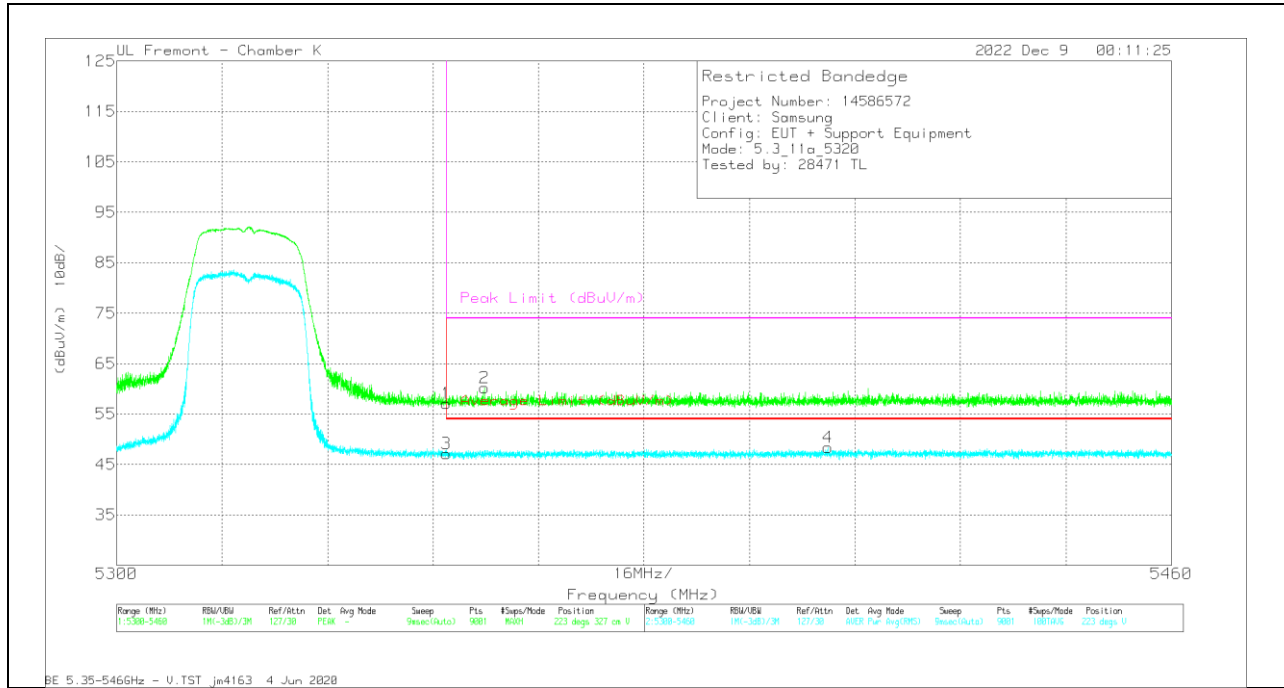
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cb/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5350	59.65	Pk	34.5	-30.7	0	63.45	-	-	74	-10.55	56	120	H
2	* 5350.134	60.66	PK	34.5	-30.7	0	64.46	-	-	74	-9.54	56	120	H
3	* 5350	46.32	RMS	34.5	-30.7	.36	50.48	54	-3.52	-	-	56	120	H
4	* 5350.258	47.37	RMS	34.5	-30.7	.36	51.53	54	-2.47	-	-	56	120	H

* - indicates frequency in CFR47 Pt 15

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5350	53.35	Pk	34.5	-30.7	0	57.15	-	-	74	-16.85	223	327	V
2	* 5355.823	56.46	Pk	34.5	-30.7	0	60.26	-	-	74	-13.74	223	327	V
3	* 5350	42.93	RMS	34.5	-30.7	.36	47.09	54	-6.91	-	-	223	327	V
4	* 5407.859	44.01	RMS	34.6	-30.6	.36	48.37	54	-5.63	-	-	223	327	V

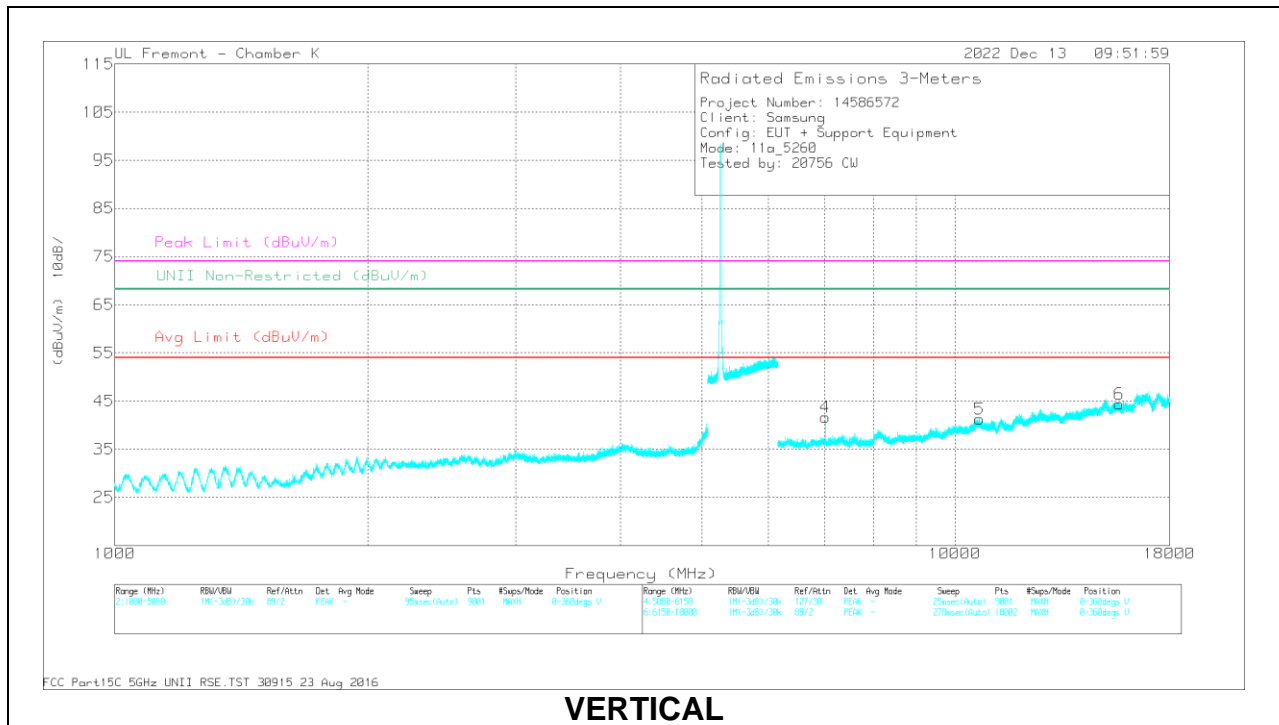
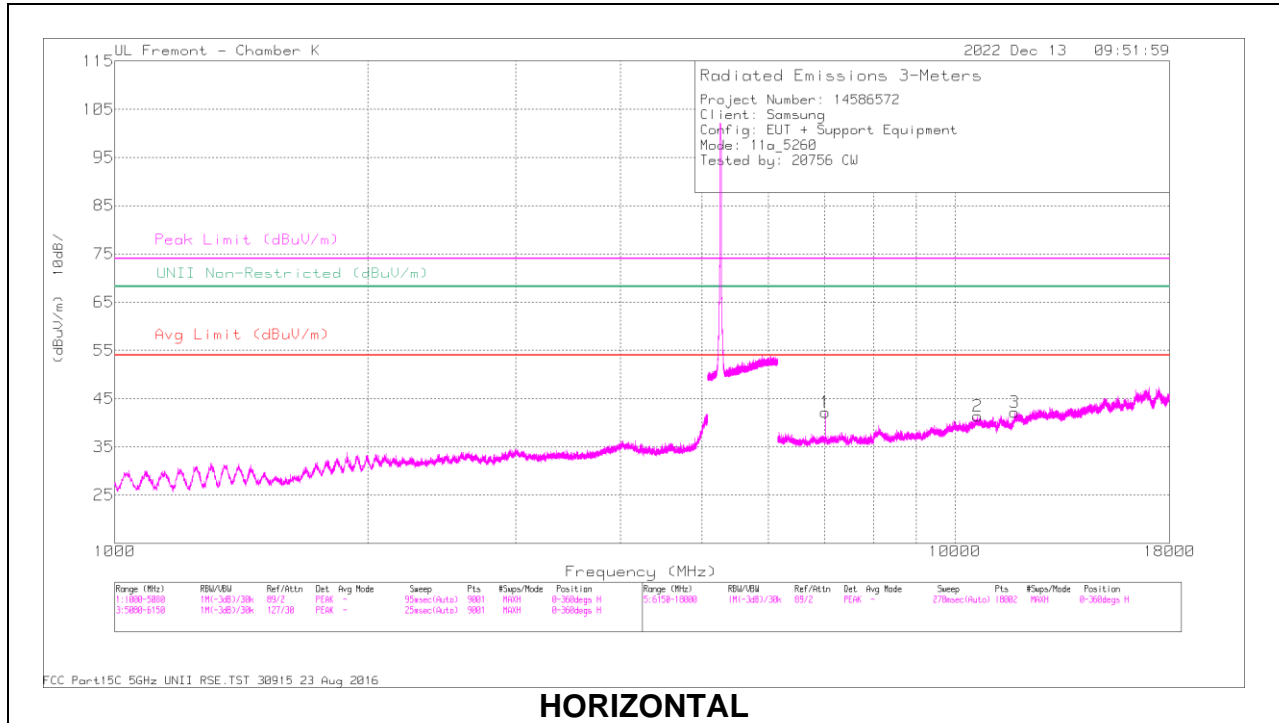
* - indicates frequency in CFR47 Pt 15

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

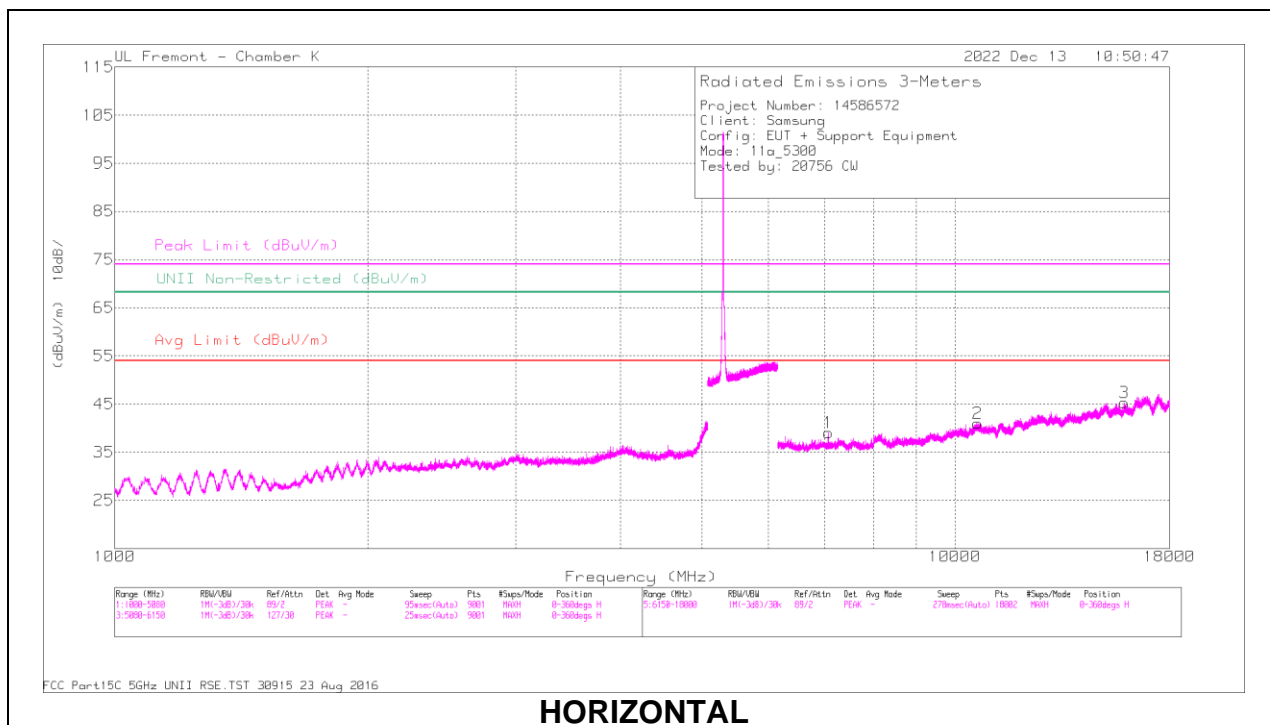
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Fitr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7013.258	49.66	PK-U	35.7	-38.3	0	47.06	-	-	-	-	68.2	-21.14	122	223	H
2	* 10650.316	49.8	PK-U	37.9	-36.7	0	51	-	-	74	-23	-	-	301	141	H
	* 10650.295	37.73	ADR	37.9	-36.7	.36	39.29	54	-14.71	-	-	-	-	301	141	H
3	* 11779.213	47.54	PK-U	38.3	-35.1	0	50.74	-	-	74	-23.26	-	-	264	310	H
	* 11778.96	35.94	ADR	38.3	-35	.36	39.6	54	-14.4	-	-	-	-	264	310	H
4	7013.47	51.13	PK-U	35.7	-38.3	0	48.53	-	-	-	-	68.2	-19.67	44	230	V
5	* 10704.563	49.74	PK-U	37.9	-36.6	0	51.04	-	-	74	-22.96	-	-	174	127	V
	* 10704.866	37.5	ADR	37.9	-36.6	.36	39.16	54	-14.84	-	-	-	-	174	127	V
6	* 15682.931	47.42	PK-U	40.1	-33.3	0	54.22	-	-	74	-19.78	-	-	38	189	V
	* 15682.631	35.93	ADR	40.1	-33.3	.36	43.09	54	-10.91	-	-	-	-	38	189	V

* - indicates frequency in CFR47 Pt 15

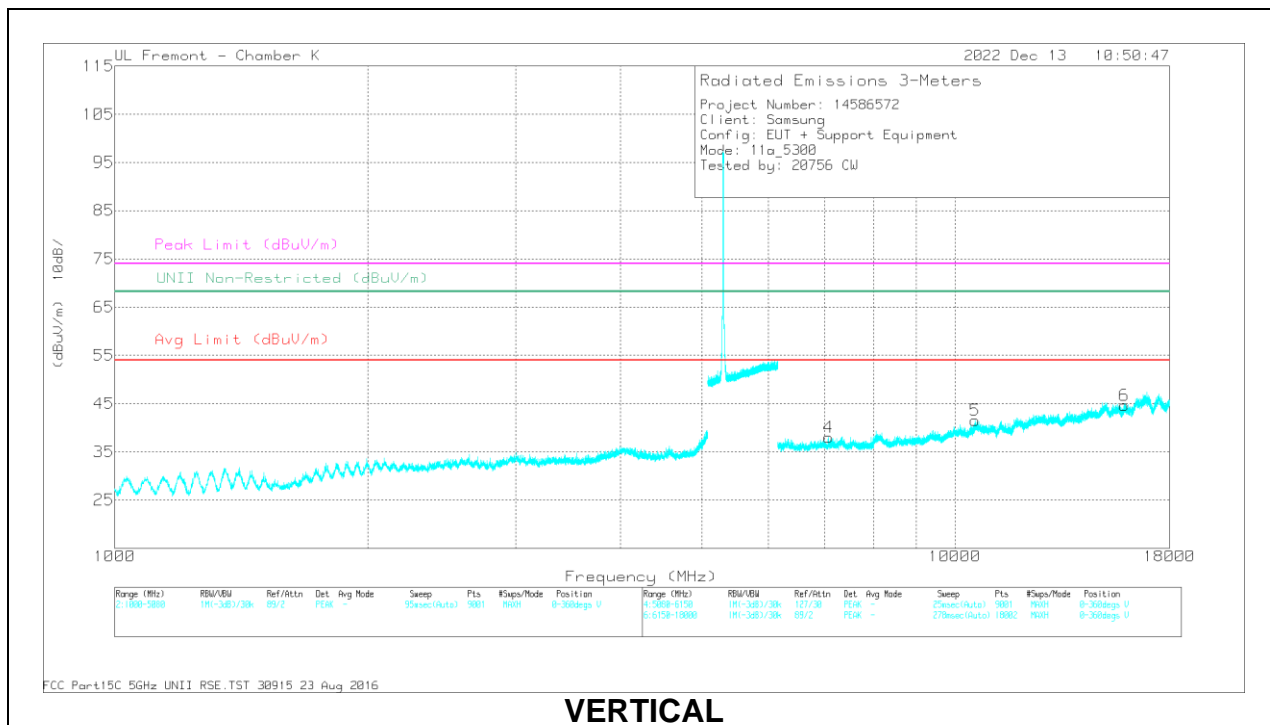
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

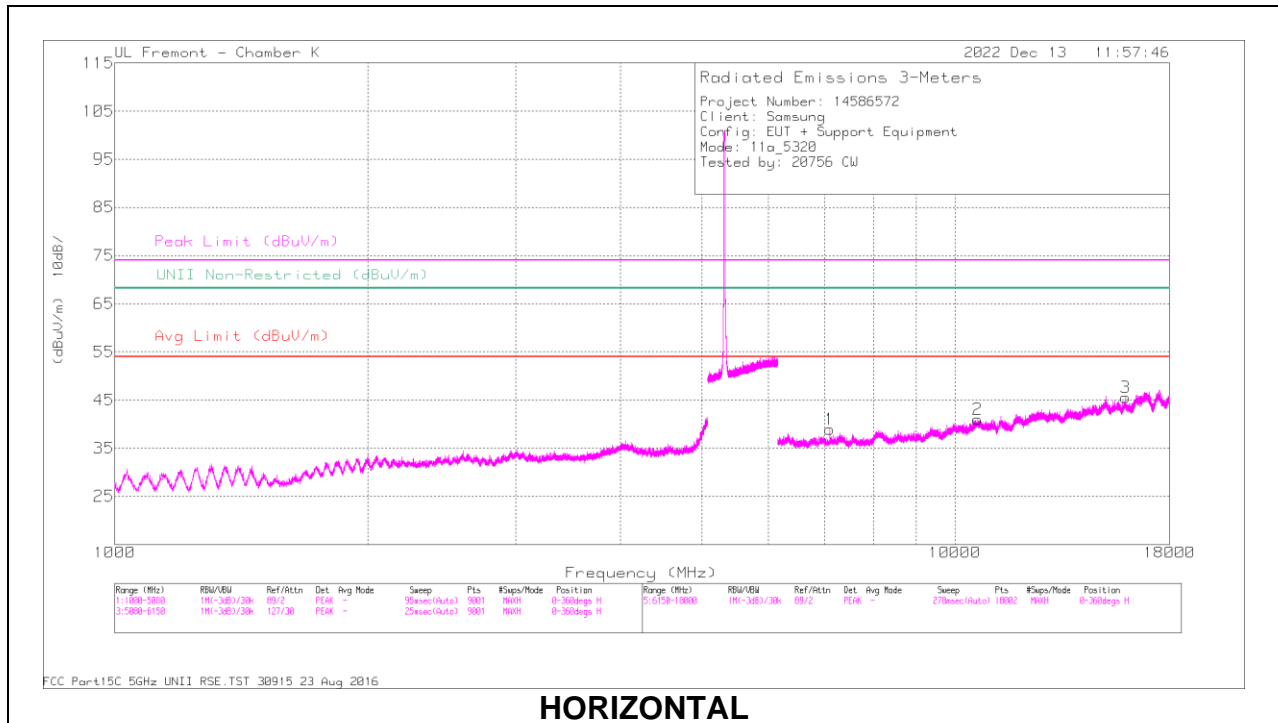
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Fitr (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	7064.921	49.54	PK-U	35.8	-38.3	0	47.04	-	-	-	-	68.2	-21.16	125	291	H
2	* 10642.305	49.47	PK-U	37.9	-36.8	0	50.57	-	-	74	-23.43	-	-	190	367	H
	* 10642.178	37.87	ADR	37.9	-36.8	.36	39.33	54	-14.67	-	-	-	-	190	367	H
3	* 15899.437	47.26	PK-U	40.2	-33	0	54.46	-	-	74	-19.54	-	-	241	288	H
	* 15899.562	35.42	ADR	40.2	-33	.36	42.98	54	-11.02	-	-	-	-	241	288	H
4	7066.509	49.56	PK-U	35.8	-38.3	0	47.06	-	-	-	-	68.2	-21.14	306	384	V
5	10664.525	49.9	PK-U	37.9	-36.9	0	50.9	-	-	-	-	68.2	-17.3	10	345	V
6	* 15910.55	46.61	PK-U	40.2	-33.2	0	53.61	-	-	74	-20.39	-	-	297	275	V
	* 15910.697	35.44	ADR	40.2	-33.1	.36	42.9	54	-11.1	-	-	-	-	297	275	V

* - indicates frequency in CFR47 Pt 15

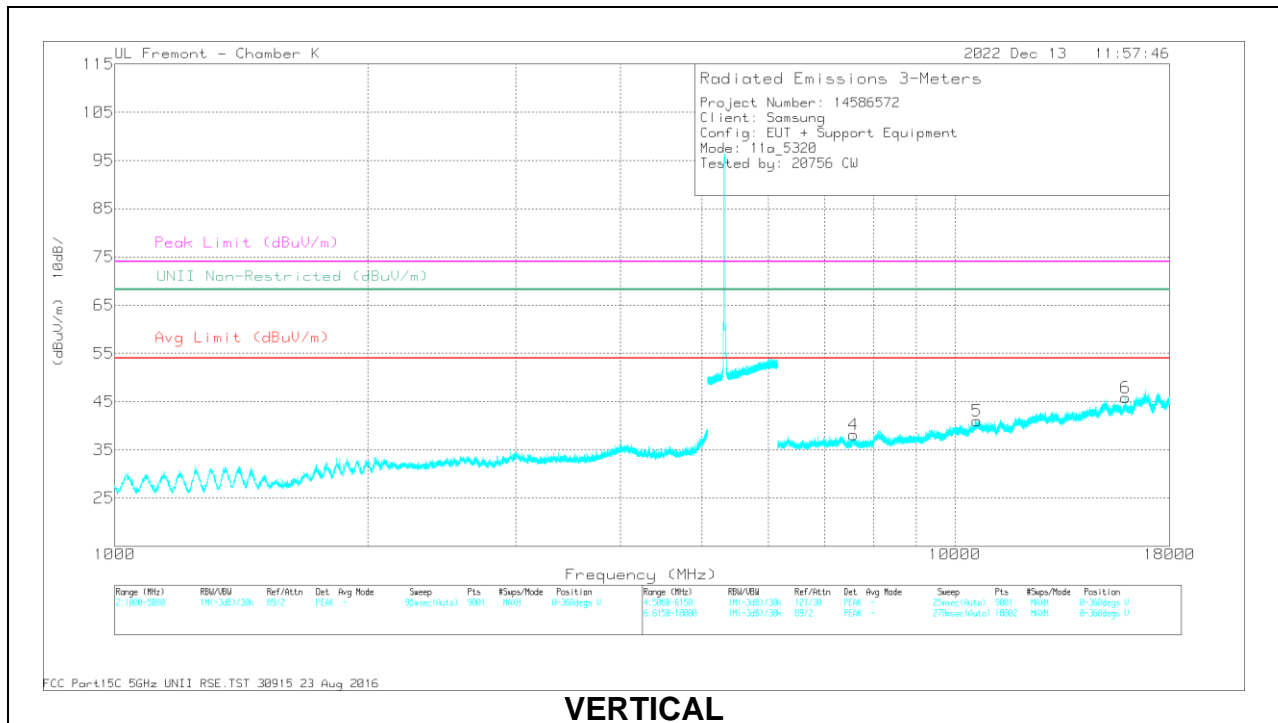
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Fitr (dB)	DCCF (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	7093.368	49.45	PK-U	35.8	-38.1	0	47.15	-	-	-	-	68.2	-21.05	200	248	H
2	* 10635.585	49.27	PK-U	37.9	-36.9	0	50.27	-	-	74	-23.73	-	-	94	221	H
	* 10635.755	37.95	ADR	37.9	-36.9	.36	39.31	54	-14.69	-	-	-	-	94	221	H
3	* 15968.038	47.42	PK-U	40.2	-33.2	0	54.42	-	-	74	-19.58	-	-	228	211	H
	* 15967.78	35.69	ADR	40.2	-33.2	.36	43.05	54	-10.95	-	-	-	-	228	211	H
4	* 7577.936	48.95	PK-U	35.8	-37.4	0	47.35	-	-	74	-26.65	-	-	173	180	V
	* 7581.266	37.1	ADR	35.8	-37.4	.36	35.86	54	-18.14	-	-	-	-	173	180	V
5	* 10625.945	49.8	PK-U	37.9	-36.8	0	50.9	-	-	74	-23.1	-	-	124	275	V
	* 10625.687	37.88	ADR	37.9	-36.8	.36	39.34	54	-14.66	-	-	-	-	124	275	V
6	* 15961.757	47.27	PK-U	40.2	-33.1	0	54.37	-	-	74	-19.63	-	-	70	291	V
	* 15962.081	35.83	ADR	40.2	-33.1	.36	43.29	54	-10.71	-	-	-	-	70	291	V

* - indicates frequency in CFR47 Pt 15

PK-U - U-NII: Maximum Peak

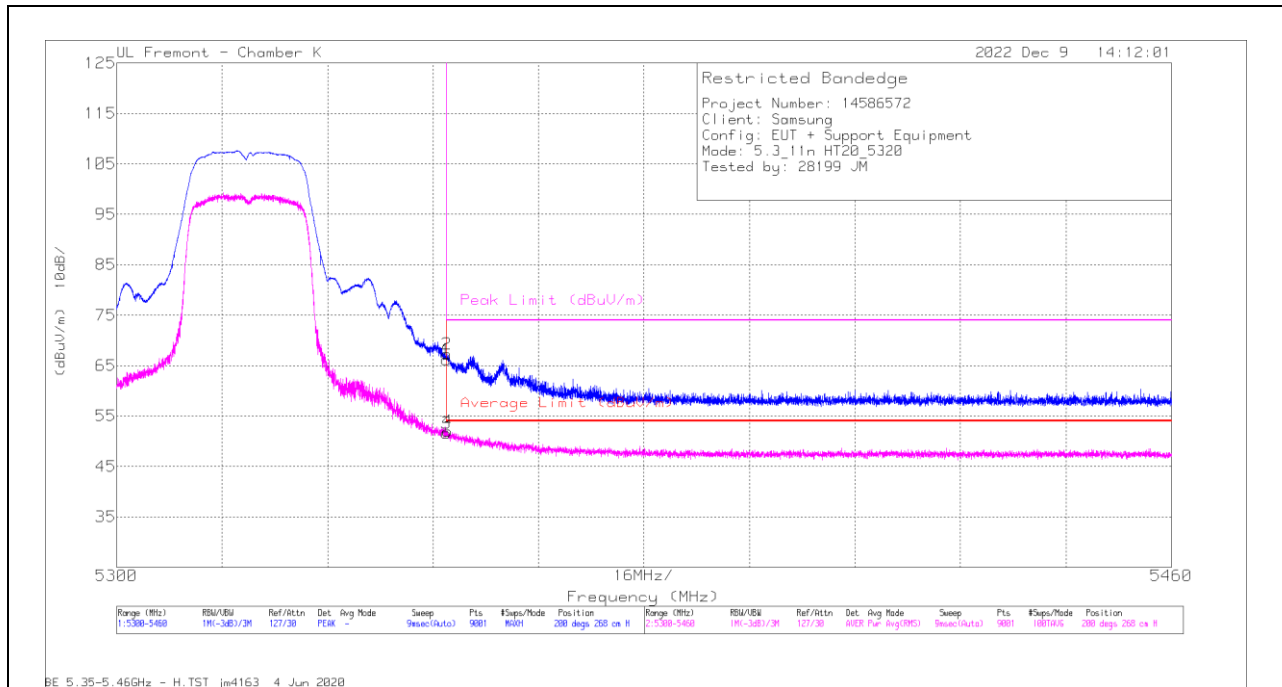
ADR - U-NII AD primary method, RMS average

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

1TX Antenna 1 MODE

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Trace Markers

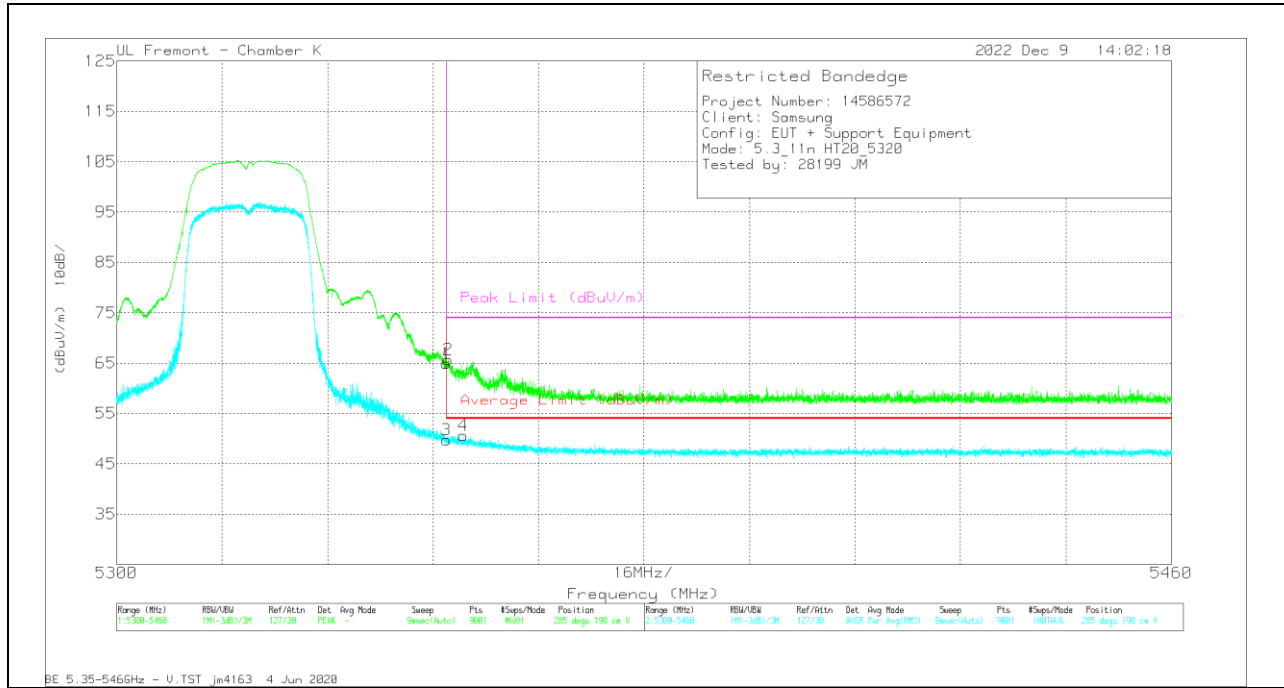
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cbl/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5350	62.43	Pk	34.5	-30.7	0	66.23	-	-	74	-7.77	200	268	H
2	* 5350.116	63.56	Pk	34.5	-30.7	0	67.36	-	-	74	-6.64	200	268	H
3	* 5350	47.5	RMS	34.5	-30.7	.33	51.63	54	-2.37	-	-	200	268	H
4	* 5350.17	47.81	RMS	34.5	-30.7	.33	51.94	54	-2.06	-	-	200	268	H

* - indicates frequency in CFR47 Pt 15

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF (dB) 3mH	Amp/Cb/Pad (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5350	61.15	Pk	34.5	-30.7	0	64.95	-	-	74	-9.05	285	198	V
2	* 5350.276	61.84	Pk	34.5	-30.7	0	65.64	-	-	74	-8.36	285	198	V
3	* 5350	45.54	RMS	34.5	-30.7	.33	49.67	54	-4.33	-	-	285	198	V
4	* 5352.552	46.52	RMS	34.5	-30.7	.33	50.65	54	-3.35	-	-	285	198	V

* - indicates frequency in CFR47 Pt 15
 Pk - Peak detector
 RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS

