

10. RADIATED TEST RESULTS

LIMITS

FCC §15.205 and §15.209
IC RSS-GEN Clause 8.9 and 8.10

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

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 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 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 measurements and as applicable for RMS average measurements.

Only the worst-case radiated spurious emissions mode was tested. This was found to be EHT320 4x996T at 6105MHz, EHT320 4x996T at 6585MHz, EHT20 52T at 6535MHz, and EHT320 4x996T at 6745MHz.

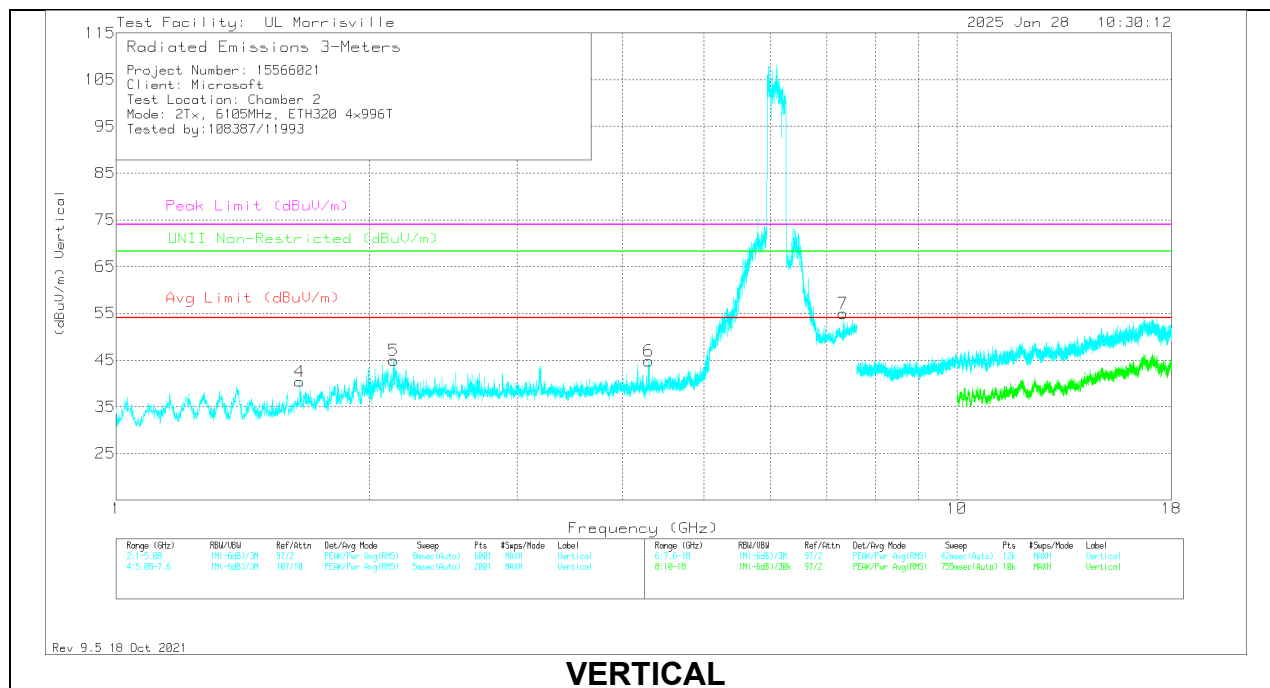
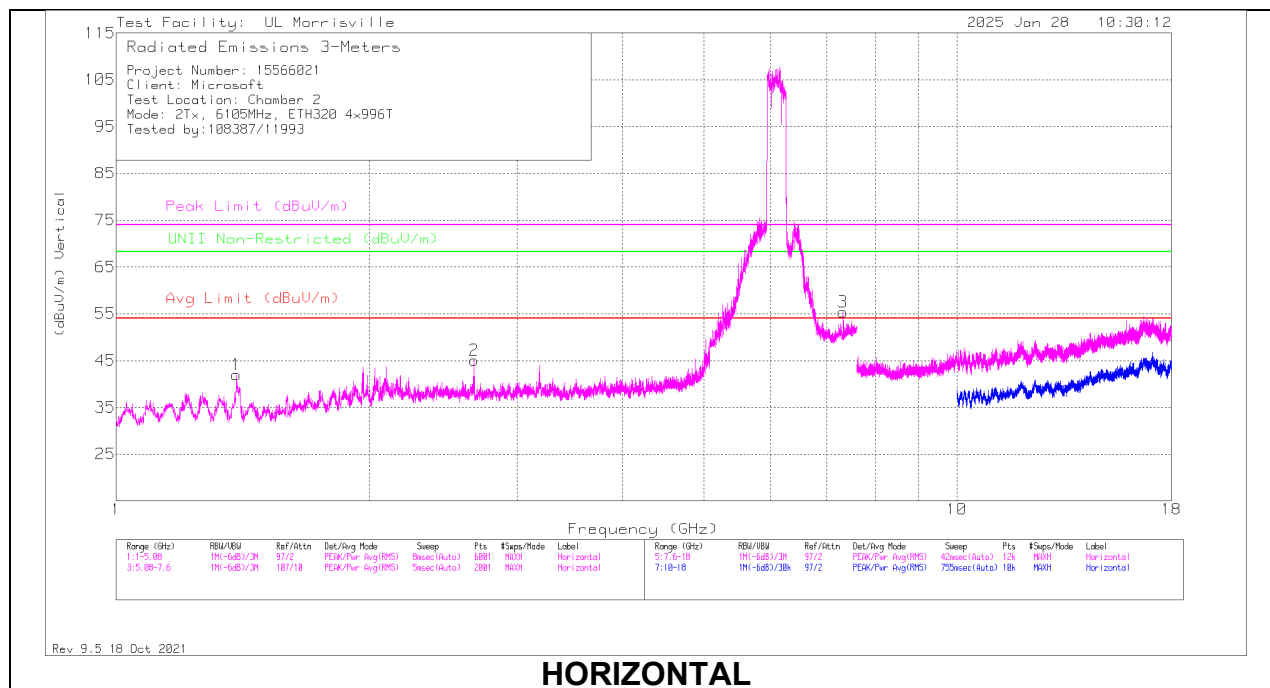
The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized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

10.1. TRANSMITTER OUTSIDE 5.925-7.125 GHz , 1-18GHz

10.1.1. 802.11be EHT320 4x996T 2Tx MODE IN THE UNII-5 BAND

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (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	* 1.39032	60.98	Pk	28.7	-47.7	0	41.98	54	-12.02	74	-32.02	-	-	0-360	101	H
2	* 2.666	58.61	Pk	32.3	-45.8	0	45.11	54	-8.89	74	-28.89	-	-	0-360	199	H
6	* 4.30276	56.06	Pk	33.5	-44.8	0	44.76	54	-9.24	74	-29.24	-	-	0-360	101	V
3	* 7.32584	40.16	PK-U	35.6	-18.1	0	57.66	-	-	74	-16.34	-	-	271	179	H
	* 7.32598	34.93	ADR	35.6	-18.1	0	52.43	54	-1.57	-	-	-	-	271	179	H
7	* 7.32598	38.08	PK-U	35.6	-18.1	0	55.58	-	-	74	-18.42	-	-	277	325	V
	* 7.32591	31.06	ADR	35.6	-18.1	0	48.56	54	-5.44	-	-	-	-	277	325	V
4	1.65416	58.84	Pk	29	-47.4	0	40.44	-	-	-	-	68.2	-27.76	0-360	199	V
5	2.13968	60.59	Pk	32	-47.7	0	44.89	-	-	-	-	68.2	-23.31	0-360	101	V

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

Pk - Peak detector

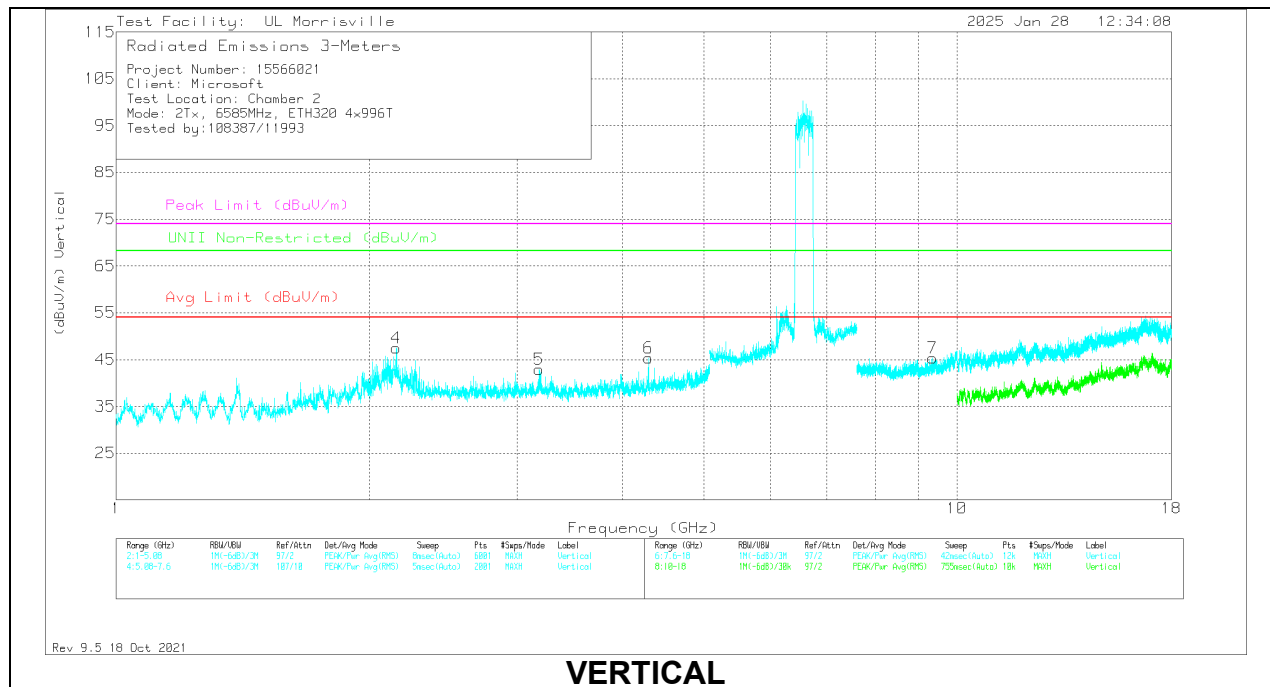
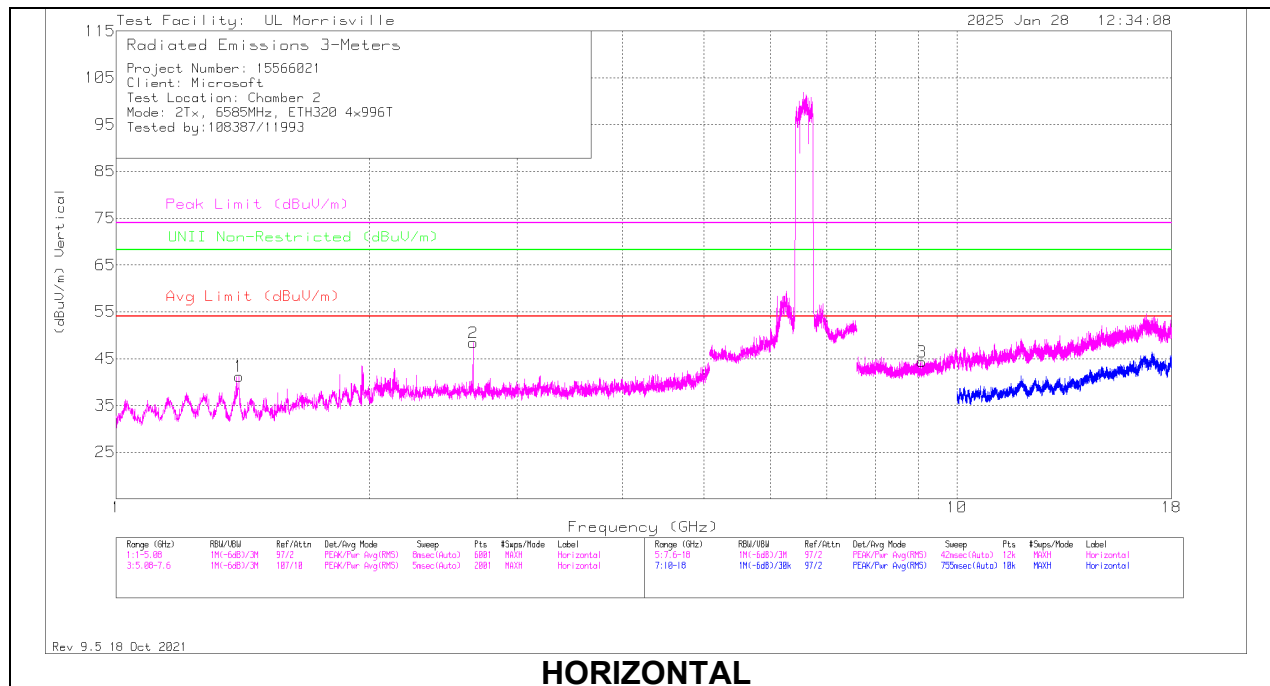
PK-U - Maximum Peak

ADR - RMS average

10.1.2. 802.11be EHT320 4x996T 2Tx MODE IN THE UNII-6 BAND

HARMONICS AND SPURIOUS EMISSIONS

HIGH CHANNEL



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (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	* 1.40052	60.31	Pk	28.6	-47.7	0	41.21	54	-12.79	74	-32.79	-	-	0-360	101	H
2	* 2.66015	54.79	PK-U	32.3	-45.8	0	41.29	-	-	74	-32.71	-	-	38	387	H
	* 2.65923	42.86	ADR	32.3	-45.8	0	29.36	54	-24.64	-	-	-	-	38	387	H
6	* 4.29664	56.49	Pk	33.5	-44.7	0	45.29	54	-8.71	74	-28.71	-	-	0-360	101	V
3	* 9.0898	48.23	Pk	35.9	-40.5	.7	44.33	54	-9.67	74	-29.67	-	-	0-360	200	H
7	* 9.3524	49.21	Pk	36.1	-40.3	.3	45.31	54	-8.69	74	-28.69	-	-	0-360	101	V
4	2.15464	63.06	Pk	32	-47.6	0	47.46	-	-	-	-	68.2	-20.74	0-360	200	V
5	3.18688	53.83	Pk	33.1	-44	0	42.93	-	-	-	-	68.2	-25.27	0-360	101	V

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

Pk - Peak detector

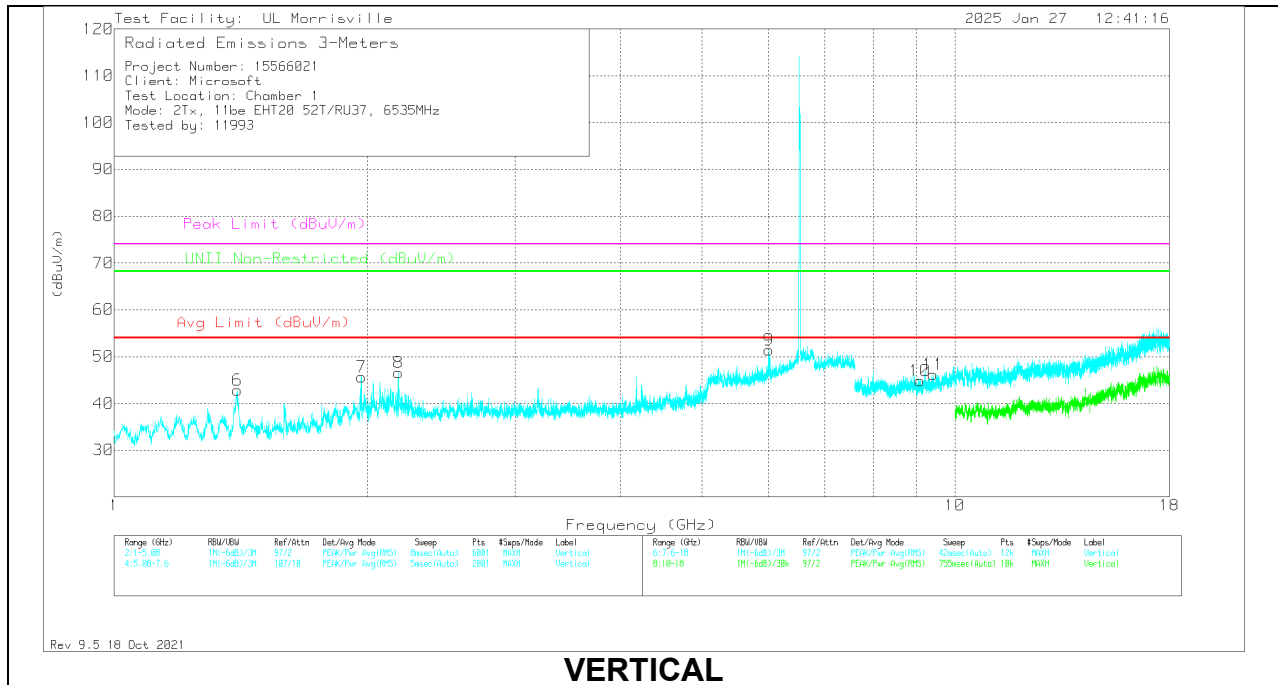
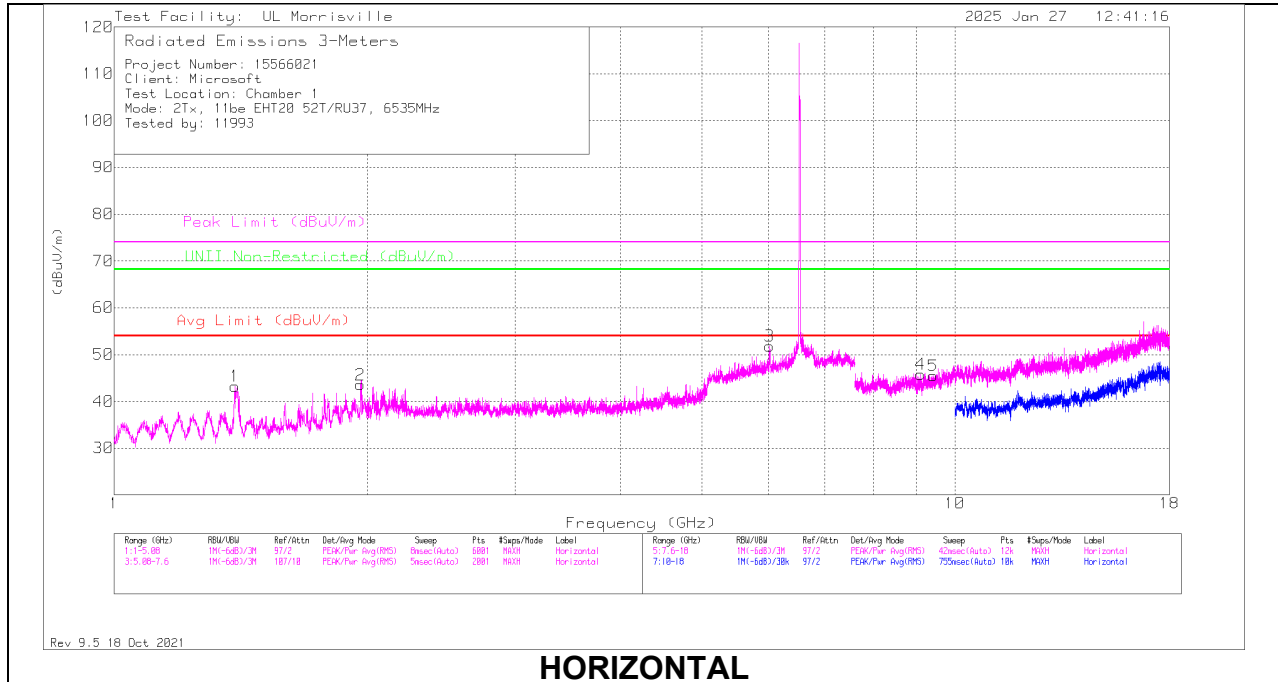
PK-U - Maximum Peak

ADR - RMS average

10.1.3. 802.11be EHT20 52T 2Tx MODE IN THE UNII-7 BAND

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL



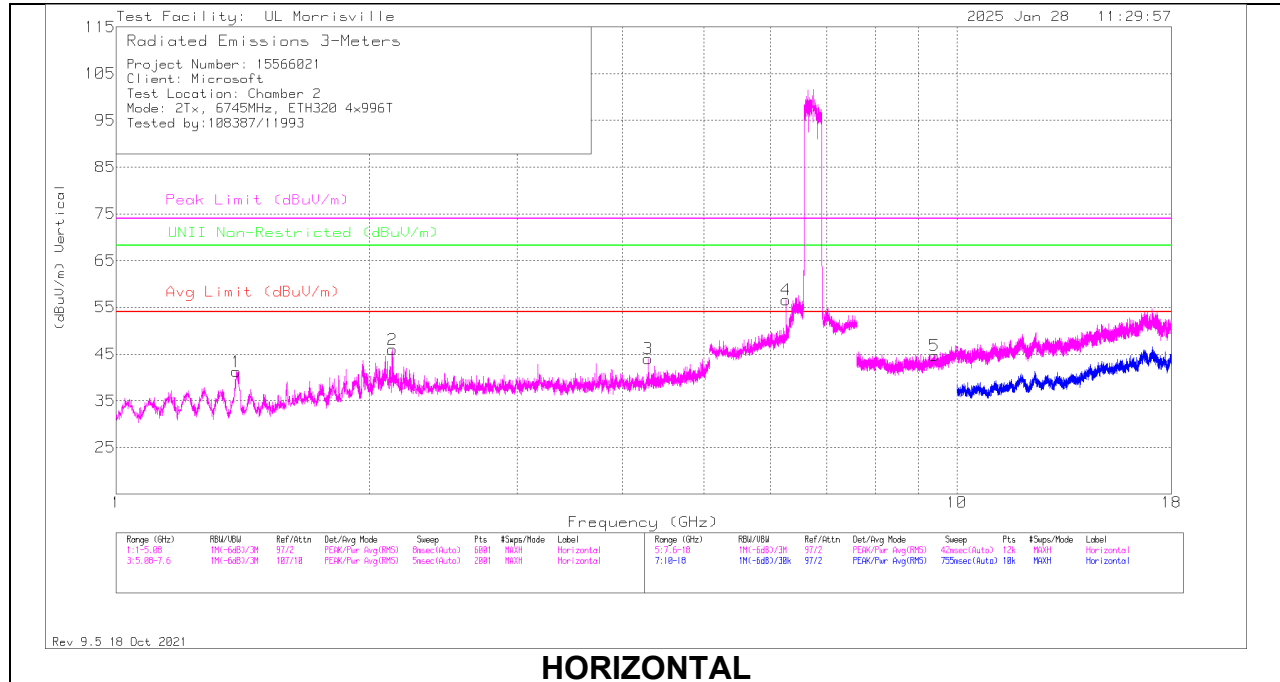
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	135143 (dB/m)	Gain/Loss (dB)	Filter (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.39168	62.5	Pk	28.8	-48.1	0	43.2	54	-10.8	74	-30.8	-	-	0-360	101	H
6	* 1.40188	61.98	Pk	28.7	-47.8	0	42.88	54	-11.12	74	-31.12	-	-	0-360	200	V
4	* 9.10713	50.14	Pk	35.9	-40.7	.5	45.84	54	-8.16	74	-28.16	-	-	0-360	199	H
5	* 9.42	49.36	Pk	36.3	-40.6	.4	45.46	54	-8.54	74	-28.54	-	-	0-360	199	H
10	* 9.09153	49.34	Pk	35.9	-41	.6	44.84	54	-9.16	74	-29.16	-	-	0-360	101	V
11	* 9.42	50.08	Pk	36.3	-40.6	.4	46.18	54	-7.82	74	-27.82	-	-	0-360	200	V
2	1.9622	59.97	Pk	31.5	-47.9	0	43.57	-	-	-	-	68.2	-24.63	0-360	200	H
7	1.96764	61.85	Pk	31.6	-47.8	0	45.65	-	-	-	-	68.2	-22.55	0-360	101	V
8	2.17844	63.01	Pk	31.5	-47.9	0	46.61	-	-	-	-	68.2	-21.59	0-360	101	V
9	6.01366	37.88	Pk	35.2	-21.7	0	51.38	-	-	-	-	68.2	-16.82	0-360	101	V
3	6.01744	38.07	Pk	35.2	-21.5	0	51.77	-	-	-	-	68.2	-16.43	0-360	101	H

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

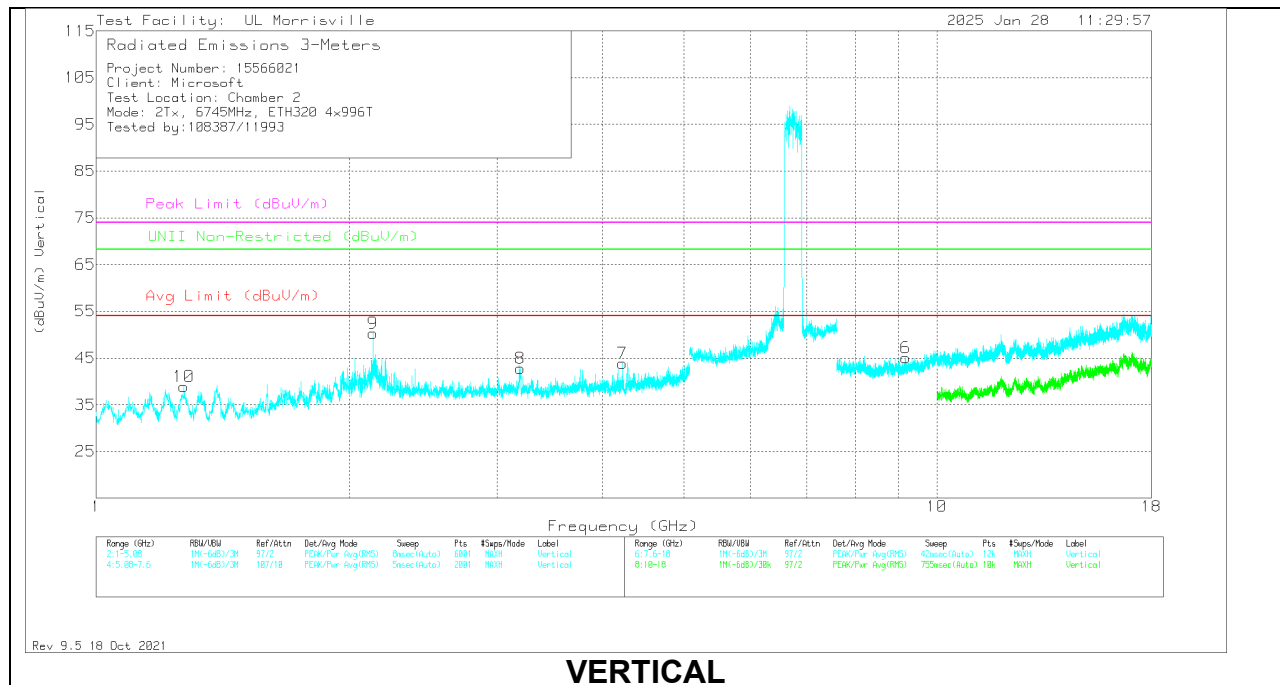
10.1.4. 802.11be EHT320 4x996T 2Tx MODE IN THE UNII-8 BAND

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL



HORIZONTAL



VERTICAL

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	86408 (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	* 1.39032	60.25	Pk	28.7	-47.7	0	41.25	54	-12.75	74	-32.75	-	-	0-360	101	H
3	* 4.29596	55.2	Pk	33.5	-44.7	0	44	54	-10	74	-30	-	-	0-360	101	H
7	* 4.22796	54.73	Pk	33.4	-44.3	0	43.83	54	-10.17	74	-30.17	-	-	0-360	101	V
10	* 1.272	57.31	Pk	29.3	-47.7	0	38.91	54	-15.09	74	-35.09	-	-	0-360	199	V
5	* 9.40267	48.5	Pk	36.2	-40.4	.4	44.7	54	-9.3	74	-29.3	-	-	0-360	101	H
6	* 9.17647	48.63	Pk	36	-40.1	.5	45.03	54	-8.97	74	-28.97	-	-	0-360	199	V
2	2.1322	61.95	Pk	32	-48	0	45.95	-	-	-	-	68.2	-22.25	0-360	199	H
9	2.1339	66.2	Pk	32	-47.9	0	50.3	-	-	-	-	68.2	-17.9	0-360	199	V
8	3.19504	53.86	Pk	33.1	-44.2	0	42.76	-	-	-	-	68.2	-25.44	0-360	101	V
4	6.26566	43.15	Pk	35.6	-22.2	0	56.55	-	-	-	-	68.2	-11.65	0-360	101	H

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

Pk - Peak detector

11. SETUP PHOTOS

Please refer to R15566021-EP1 for setup photos.

END OF TEST REPORT