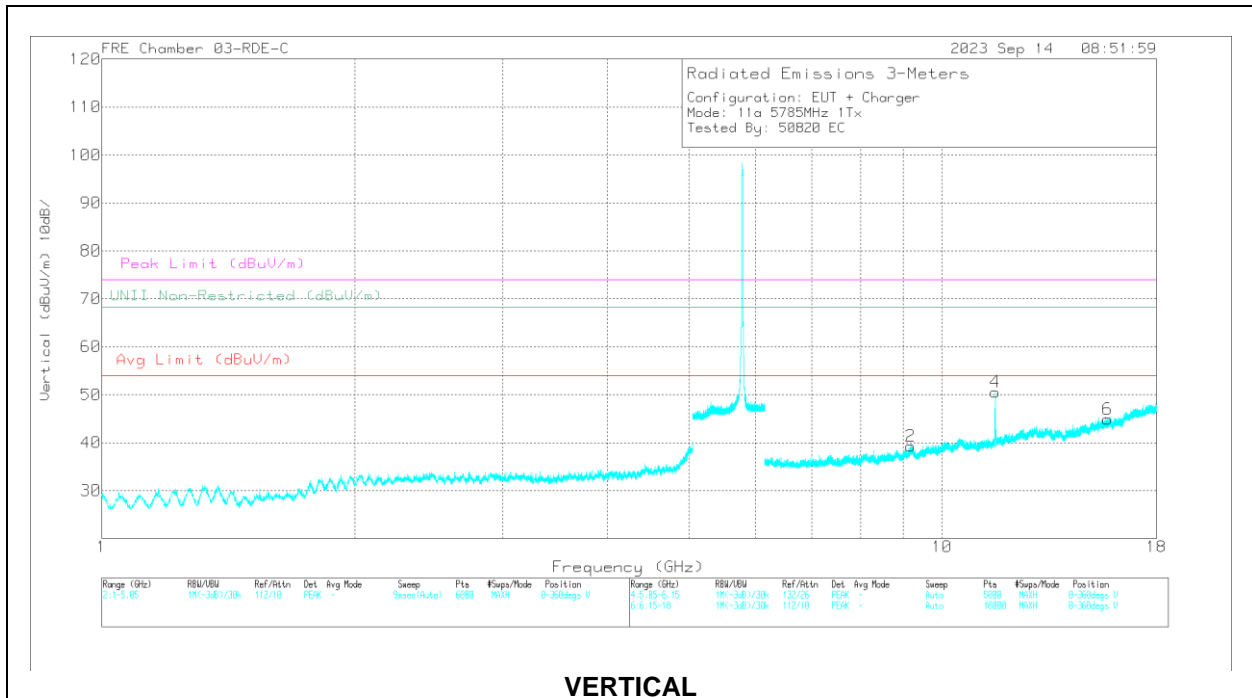
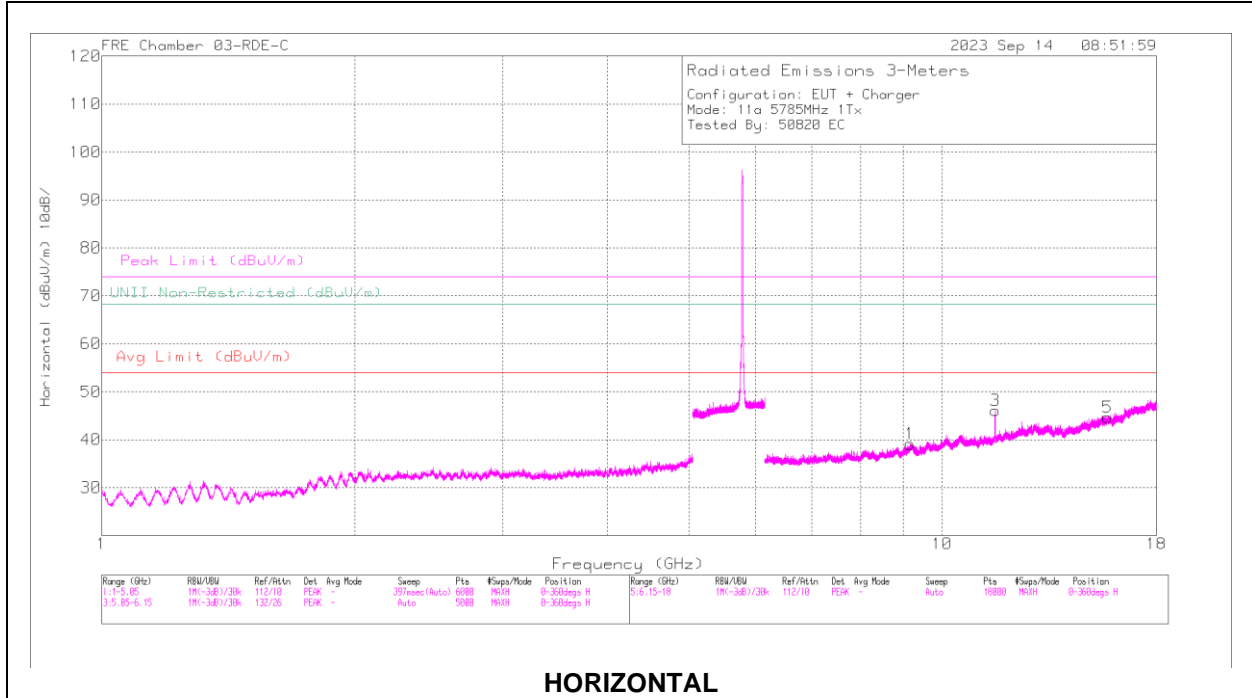


MID CHANNEL RESULTS

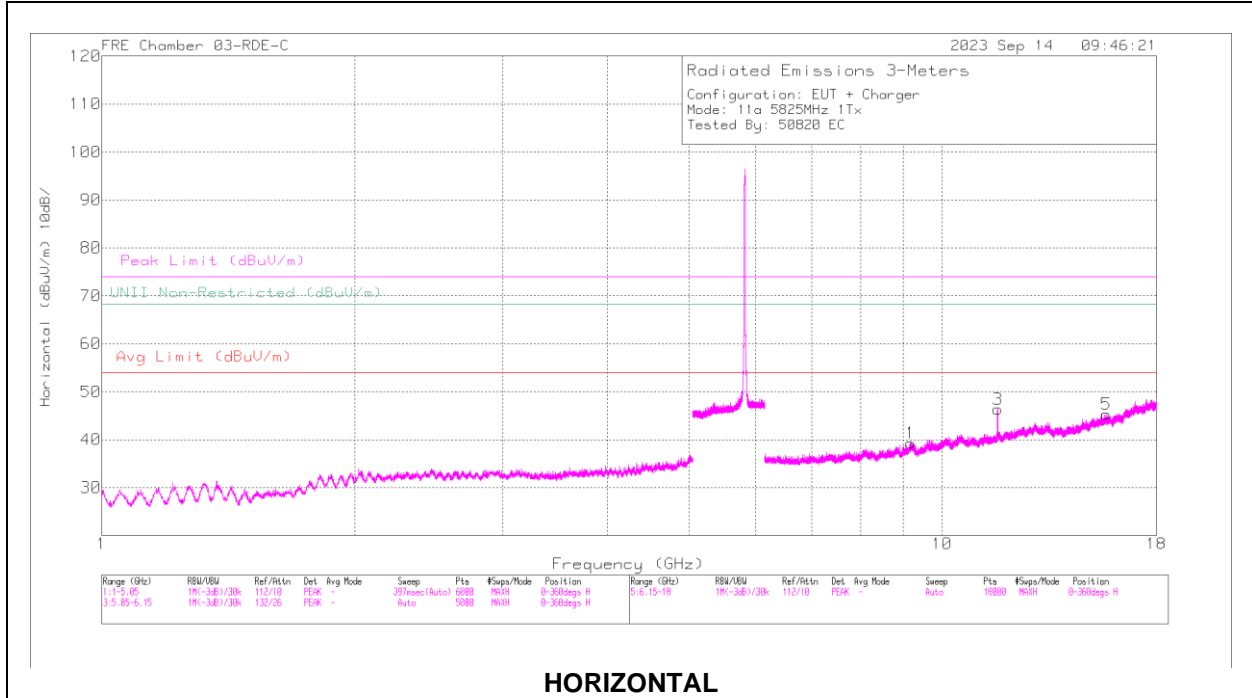


RADIATED EMISSIONS

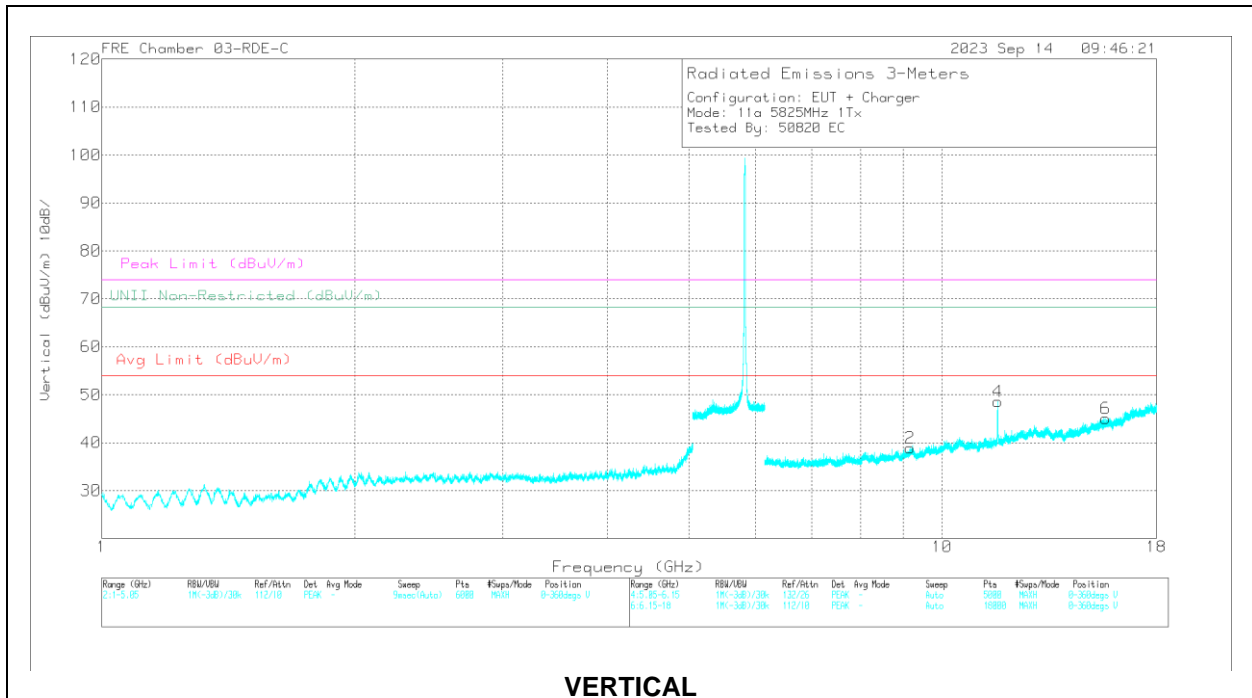
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 9.170016	57.34	PK-U	36.3	0	-45.1	48.54	-	-	74	-25.46	-	-	121	348	H
	* 9.166743	46.02	ADR	36.3	.49	-45.17	37.64	54	-16.36	-	-	-	-	121	348	H
3	* 11.57506	61.83	PK-U	38.2	0	-43.41	56.62	-	-	74	-17.38	-	-	297	126	H
	* 11.57142	49.89	ADR	38.2	.49	-43.46	45.12	54	-8.88	-	-	-	-	297	126	H
5	* 15.73235	58.25	PK-U	40.1	0	-44.1	54.25	-	-	74	-19.75	-	-	79	297	H
	* 15.73309	46.97	ADR	40.1	.49	-44.1	43.46	54	-10.54	-	-	-	-	79	297	H
2	* 9.180135	57.63	PK-U	36.3	0	-45.11	48.82	-	-	74	-25.18	-	-	55	244	V
	* 9.177091	45.94	ADR	36.3	.49	-45.11	37.62	54	-16.38	-	-	-	-	55	244	V
4	* 11.57497	64.35	PK-U	38.2	0	-43.4	59.15	-	-	74	-14.85	-	-	265	134	V
	* 11.57042	52.49	ADR	38.2	.49	-43.5	47.68	54	-6.32	-	-	-	-	265	134	V
6	* 15.74143	58.46	PK-U	40.1	0	-44.1	54.46	-	-	74	-19.54	-	-	117	270	V
	* 15.74227	46.84	ADR	40.1	.49	-44.1	43.33	54	-10.67	-	-	-	-	117	270	V

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

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 ACF (dB) 3mH	DCCF (dB)	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	* 9.182567	58.03	PK-U	36.3	0	-45.1	49.23	-	-	74	-24.77	-	-	182	153	H
	* 9.179147	46	ADR	36.3	.49	-45.27	37.52	54	-16.48	-	-	-	-	182	153	H
3	* 11.65107	63.62	PK-U	38.3	0	-43.29	58.63	-	-	74	-15.37	-	-	215	227	H
	* 11.65008	51.49	ADR	38.3	.49	-43.21	47.07	54	-6.93	-	-	-	-	215	227	H
5	* 15.67902	58.78	PK-U	40.1	0	-43.99	54.89	-	-	74	-19.11	-	-	172	179	H
	* 15.67551	46.57	ADR	40	.49	-44.05	43.01	54	-10.99	-	-	-	-	172	179	H
2	* 9.163632	57.68	PK-U	36.3	0	-45.2	48.78	-	-	74	-25.22	-	-	119	229	V
	* 9.163526	45.94	ADR	36.3	.49	-45.2	37.53	54	-16.47	-	-	-	-	119	229	V
4	* 11.65503	63.2	PK-U	38.3	0	-43.3	58.2	-	-	74	-15.8	-	-	255	107	V
	* 11.64969	51.02	ADR	38.3	.49	-43.2	46.61	54	-7.39	-	-	-	-	255	107	V
6	* 15.66125	58.21	PK-U	40	0	-43.9	54.31	-	-	74	-19.69	-	-	250	351	V
	* 15.65837	46.57	ADR	40	.49	-44	43.06	54	-10.94	-	-	-	-	250	351	V

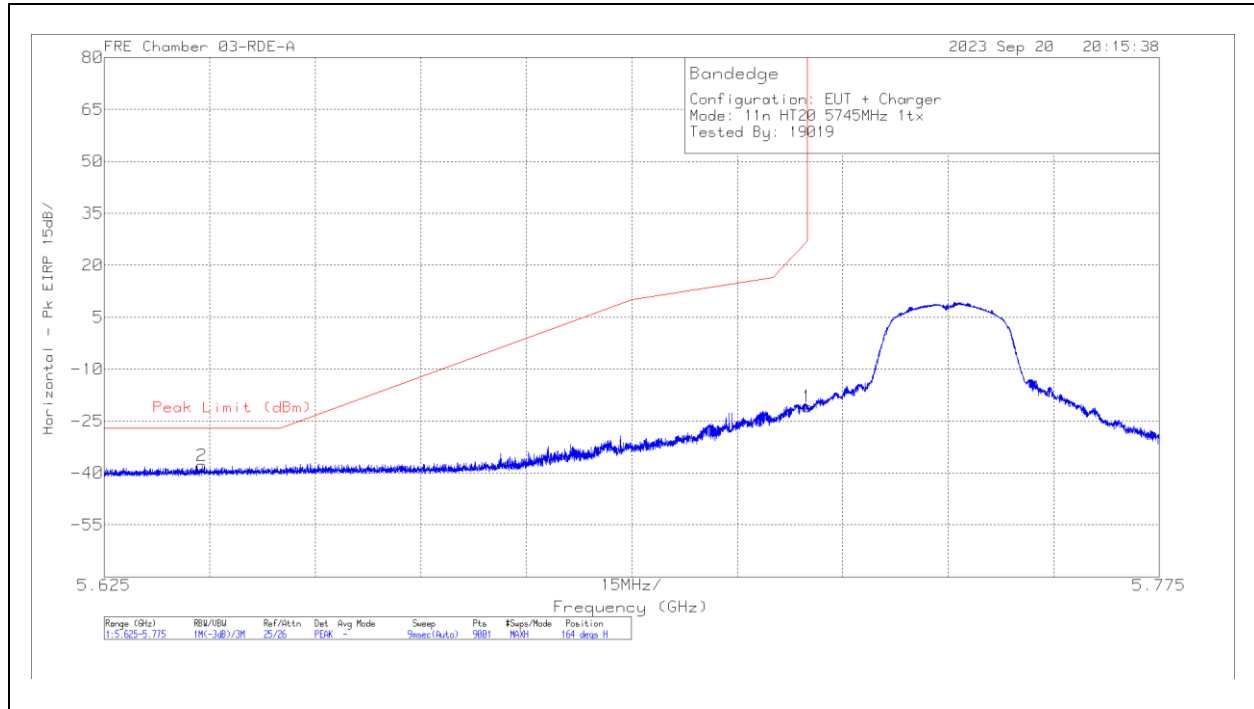
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

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

1TX Antenna 1 MODE

BANDEDGE (LOW CHANNEL)

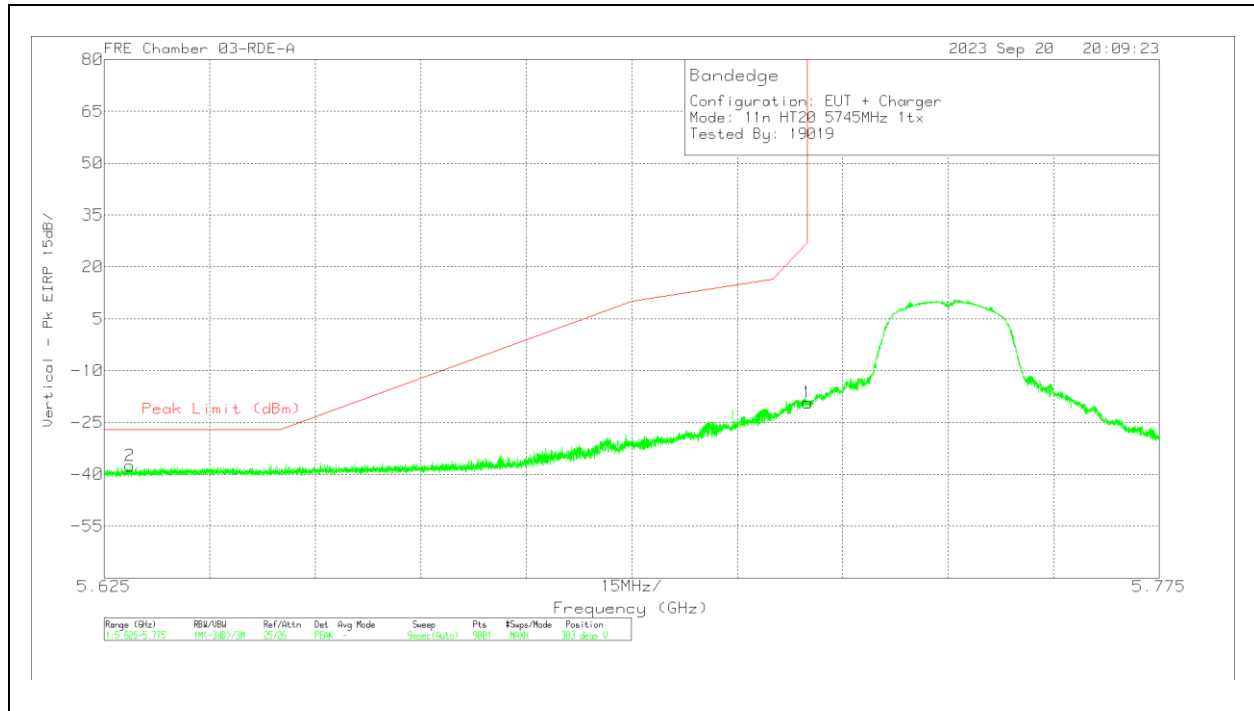
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	200897 ACF 3m (dB/m)	Conversion Factor (dB)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.638884	-46.74	Pk	34.4	11.8	0	-37.35	-37.89	-27	-10.89	164	263	H
1	5.725	-30.05	Pk	34.5	11.8	0	-37.13	-20.88	27	-47.88	164	263	H

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

VERTICAL RESULT

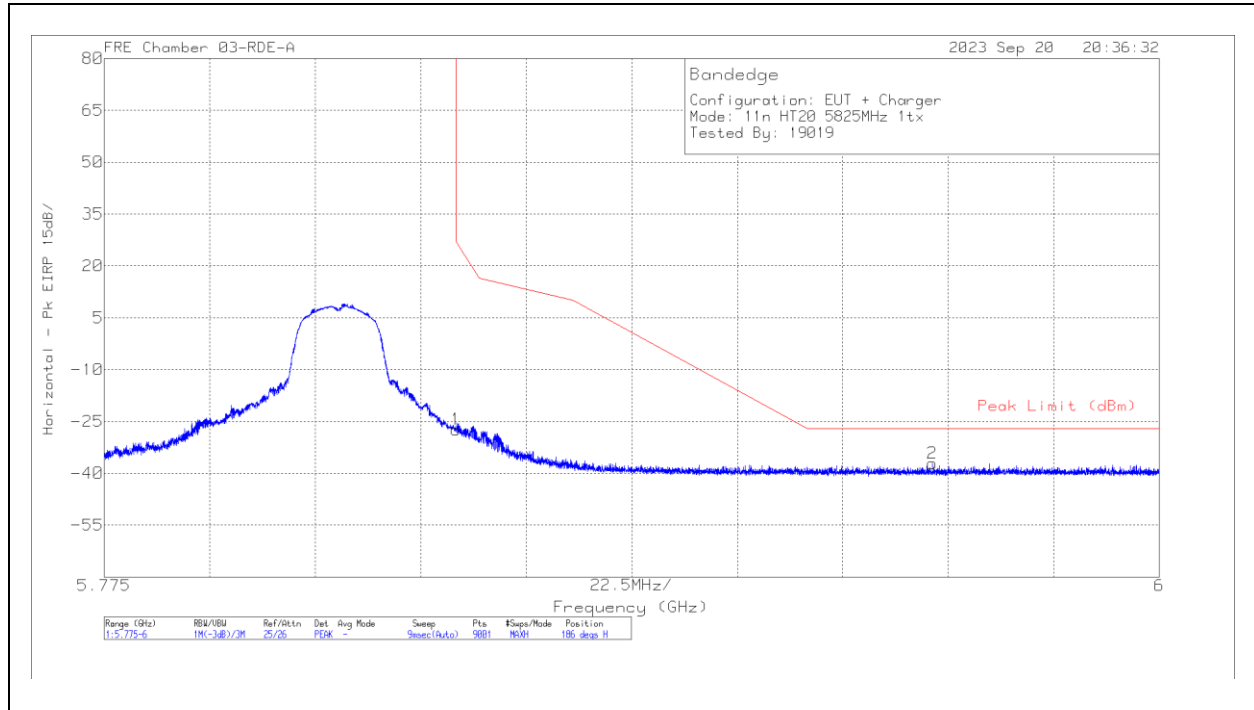


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	200897 ACF 3m (dB/m)	Conversion Factor (dB)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.62865	-46.2	Pk	34.3	11.8	0	-37.41	-37.51	-27	-10.51	303	143	V
1	5.725	-28.49	Pk	34.5	11.8	0	-37.13	-19.32	27	-46.32	303	143	V

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

BANDEDGE (HIGH CHANNEL)

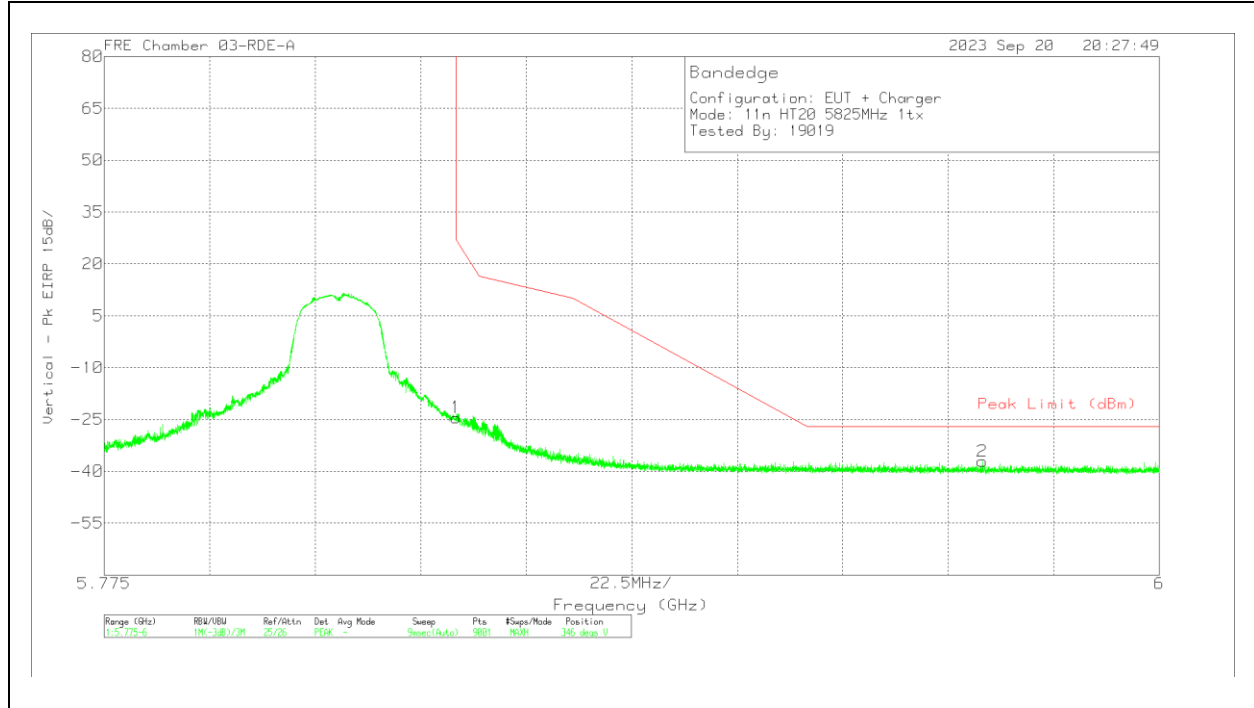
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	200897 ACF 3m (dB/m)	Conversion Factor (dB)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-37.15	Pk	34.9	11.8	0	-36.87	-27.32	27	-54.32	186	217	H
2	5.9516	-47.39	Pk	35.1	11.8	0	-36.67	-37.16	-27	-10.16	186	217	H

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

VERTICAL RESULT

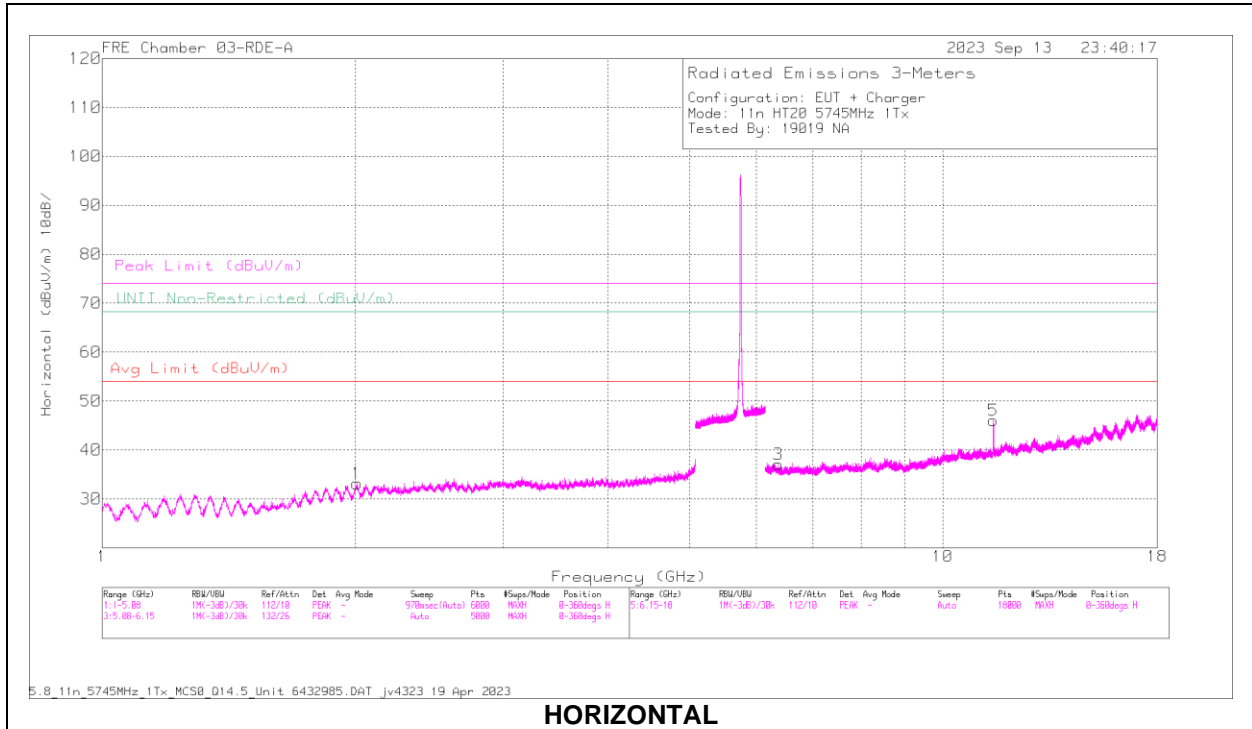


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	200897 ACF 3m (dB/m)	Conversion Factor (dB)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-34.32	Pk	34.9	11.8	0	-36.87	-24.49	27	-51.49	346	119	V
2	5.962275	-47.41	Pk	35.1	11.8	0	-36.63	-37.14	-27	-10.14	346	119	V

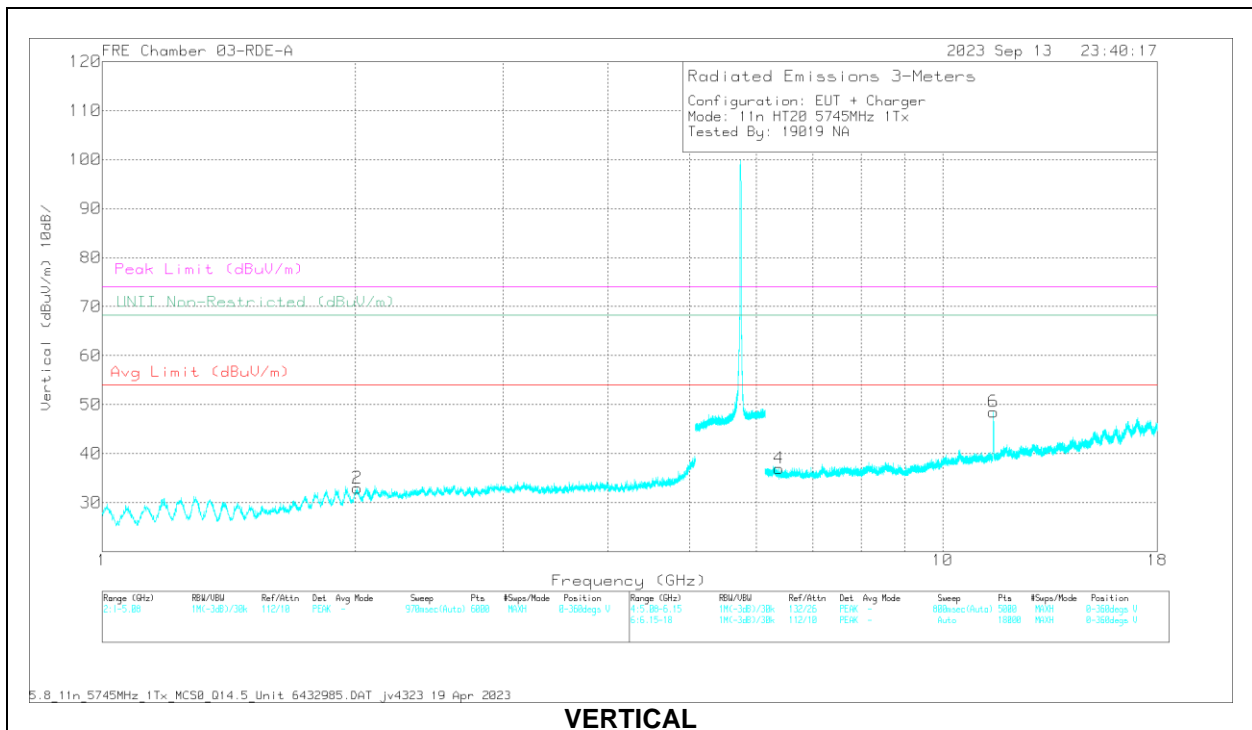
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



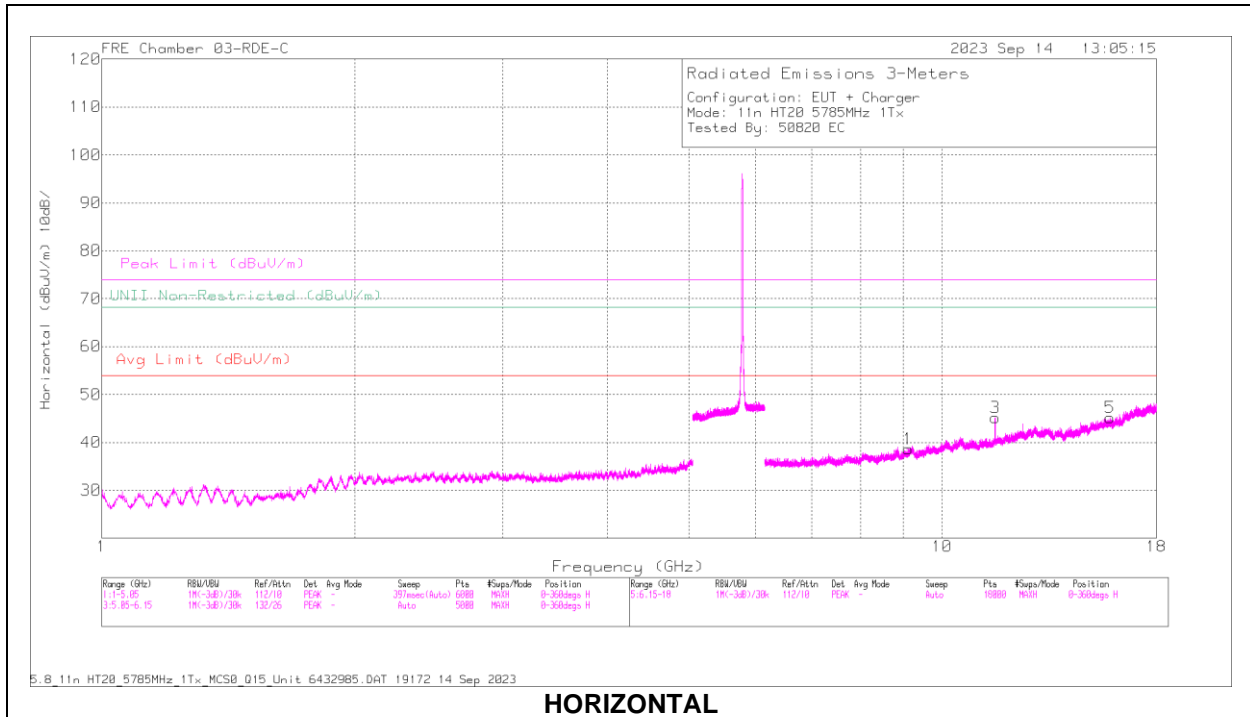
VERTICAL

RADIATED EMISSIONS

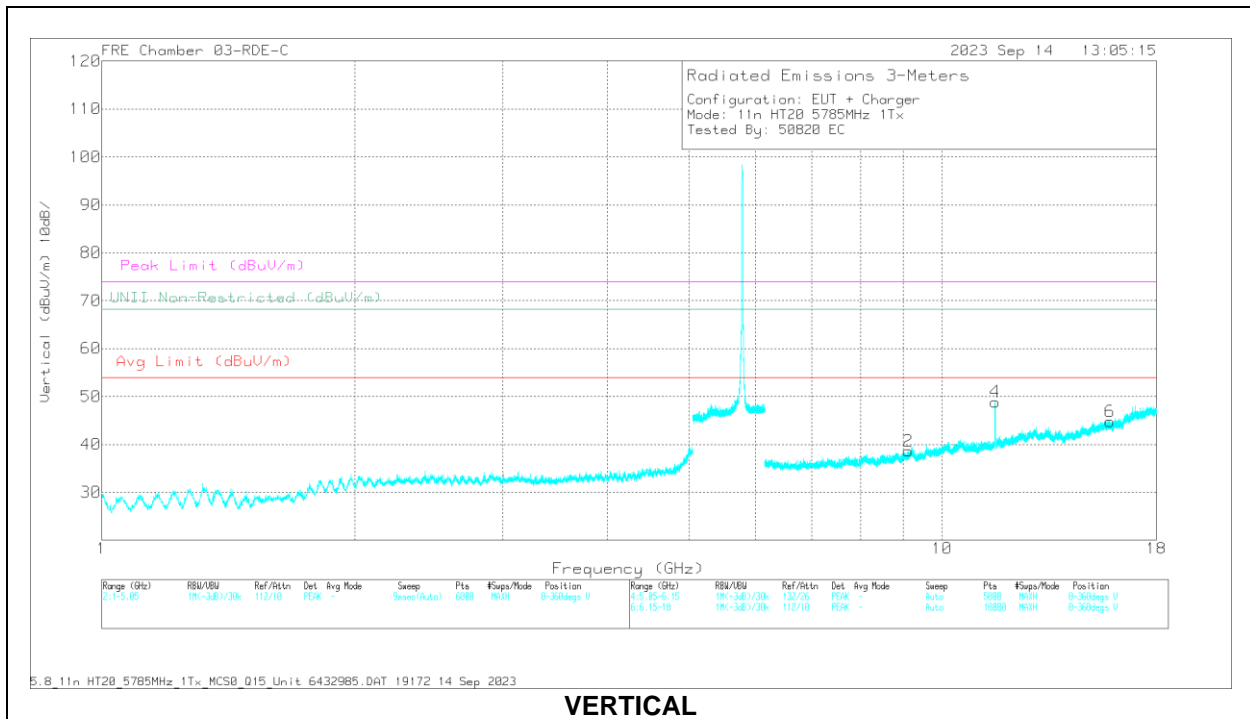
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF 3m (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	*11.487679	62.3	PK-U	37.8	0	-43.61	56.49	-	-	74	-17.51	-	-	25	197	H
	*11.488637	50.12	ADR	37.8	.52	-43.58	44.86	54	-9.14	-	-	-	-	25	197	H
6	*11.49144	62.75	PK-U	37.8	0	-43.55	57	-	-	74	-17	-	-	147	281	V
	*11.491111	50.63	ADR	37.8	.52	-43.55	45.4	54	-8.6	-	-	-	-	147	281	V
1	2.008795	61.84	PK-U	31.3	0	-50.13	43.01	-	-	-	-	68.2	-25.19	112	158	H
	2.009521	50.04	ADR	31.3	.52	-50.07	31.79	-	-	-	-	-	-	112	158	H
2	2.009568	61.96	PK-U	31.3	0	-50.07	43.19	-	-	-	-	68.2	-25.01	165	210	V
	2.010401	49.94	ADR	31.3	.52	-50.02	31.74	-	-	-	-	-	-	165	210	V
3	6.374649	57.41	PK-U	35.6	0	-45.52	47.49	-	-	-	-	68.2	-20.71	190	240	H
	6.37755	44.62	ADR	35.6	.52	-45.54	35.2	-	-	-	-	-	-	190	240	H
4	6.387917	44.96	ADR	35.6	.52	-45.59	35.49	-	-	-	-	-	-	125	248	V
	6.388004	56.43	PK-U	35.6	0	-45.59	46.44	-	-	-	-	68.2	-21.76	125	248	V

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

MID CHANNEL RESULTS



HORIZONTAL



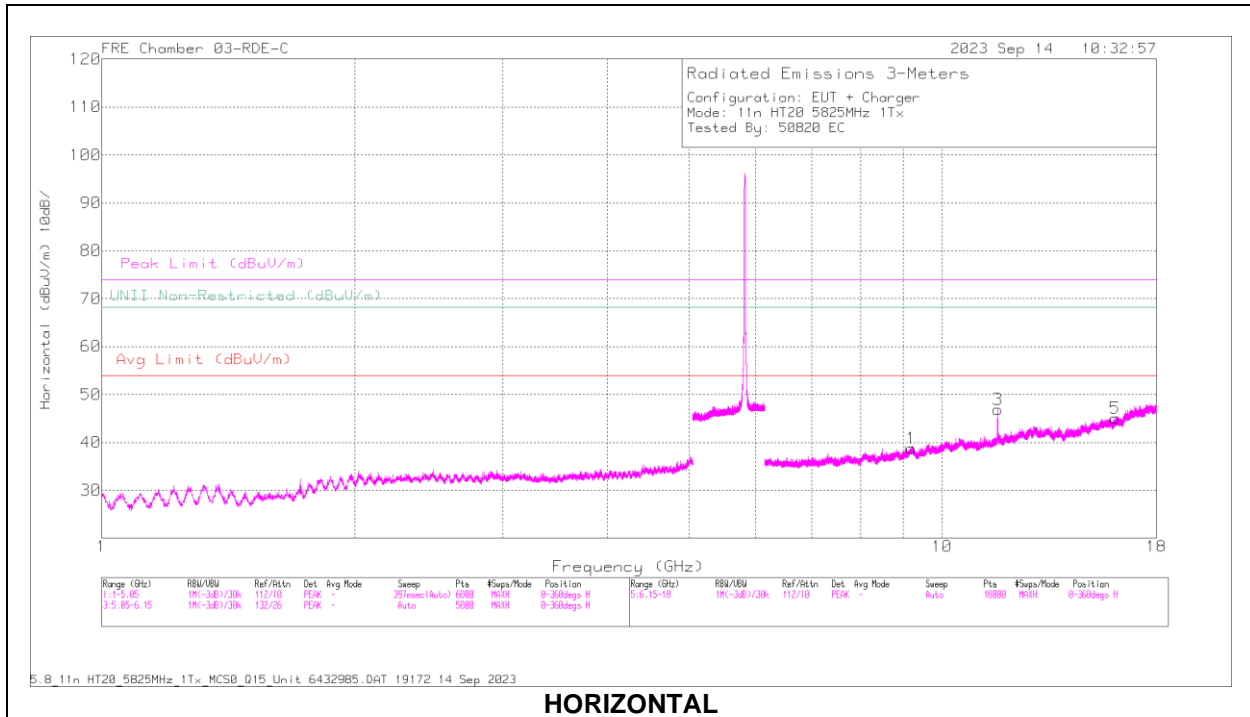
VERTICAL

RADIATED EMISSIONS

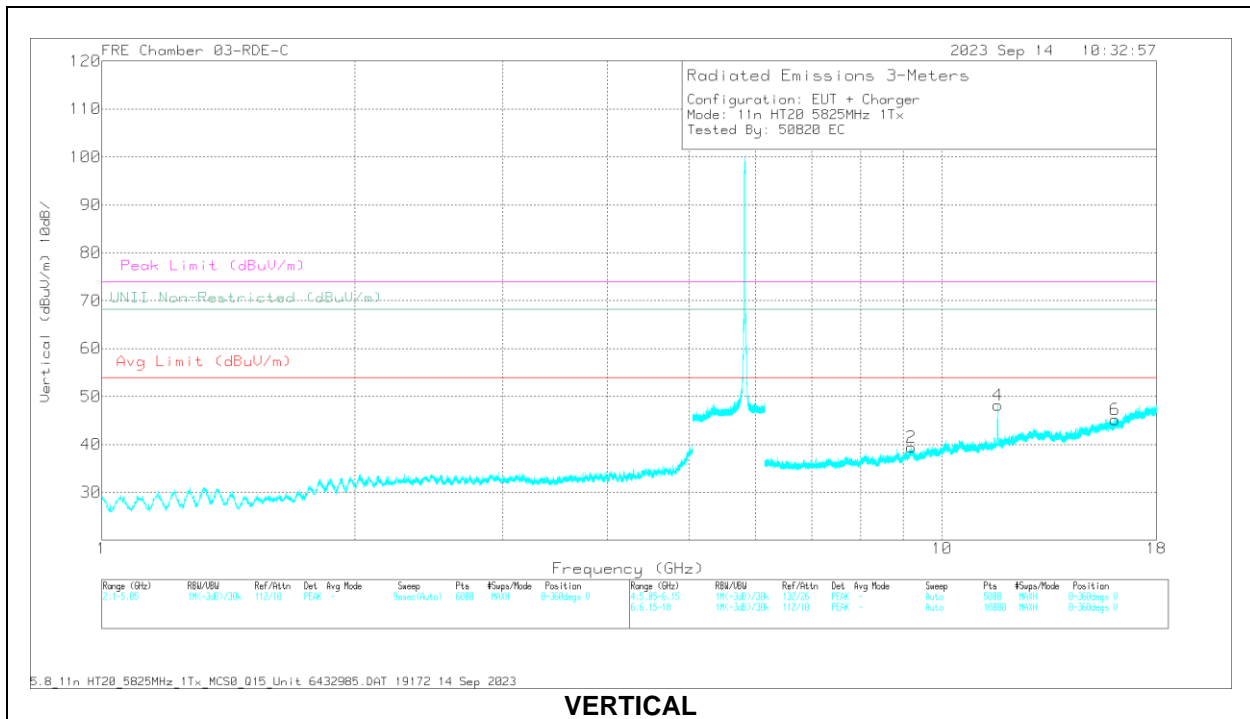
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 9.117759	57.04	PK-U	36.3	0	-45.48	47.86	-	-	74	-26.14	-	-	295	182	H
	* 9.118774	45.72	ADR	36.3	.52	-45.42	37.12	54	-16.88	-	-	-	-	295	182	H
3	* 11.56766	63.16	PK-U	38.2	0	-43.47	57.89	-	-	74	-16.11	-	-	244	253	H
	* 11.56893	51.56	ADR	38.2	.52	-43.41	46.87	54	-7.13	-	-	-	-	244	253	H
5	* 15.85671	57.89	PK-U	40.2	0	-43.37	54.72	-	-	74	-19.28	-	-	141	201	H
	* 15.85690	46.51	ADR	40.2	.52	-43.39	43.84	54	-10.16	-	-	-	-	141	201	H
2	* 9.120457	58.37	PK-U	36.3	0	-45.35	49.32	-	-	74	-24.68	-	-	343	127	V
	* 9.120541	45.58	ADR	36.3	.52	-45.35	37.05	54	-16.95	-	-	-	-	343	127	V
4	* 11.56763	65.41	PK-U	38.2	0	-43.46	60.15	-	-	74	-13.85	-	-	281	102	V
	* 11.57126	53.68	ADR	38.2	.52	-43.47	48.93	54	-5.07	-	-	-	-	281	102	V
6	* 15.84616	57.64	PK-U	40.2	0	-43.3	54.54	-	-	74	-19.46	-	-	340	114	V
	* 15.84511	46.42	ADR	40.2	.52	-43.3	43.84	54	-10.16	-	-	-	-	340	114	V

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

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 ACF (dB) 3mH	DCCF (dB)	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	* 9.191652	57.95	PK-U	36.3	0	-45	49.25	-	-	74	-24.75	-	-	4	110	H
	* 9.193025	46.04	ADR	36.3	.52	-45	37.86	54	-16.14	-	-	-	-	4	110	H
3	* 11.64767	59.26	PK-U	38.3	0	-43.2	54.36	-	-	74	-19.64	-	-	101	222	H
	* 11.64911	47.61	ADR	38.3	.52	-43.2	43.23	54	-10.77	-	-	-	-	101	222	H
5	* 16.06250	56.95	PK-U	40.4	0	-43.35	54	-	-	74	-20	-	-	207	102	H
	* 16.06263	45.47	ADR	40.4	.52	-43.36	43.03	54	-10.97	-	-	-	-	207	102	H
2	* 9.197722	57.98	PK-U	36.3	0	-44.93	49.35	-	-	74	-24.65	-	-	313	362	V
	* 9.196068	45.85	ADR	36.3	.52	-45	37.67	54	-16.33	-	-	-	-	313	362	V
4	* 11.65130	61.53	PK-U	38.3	0	-43.27	56.56	-	-	74	-17.44	-	-	57	107	V
	* 11.64882	49.51	ADR	38.3	.52	-43.2	45.13	54	-8.87	-	-	-	-	57	107	V
6	* 16.06418	57.02	PK-U	40.4	0	-43.32	54.1	-	-	74	-19.9	-	-	82	159	V
	* 16.06720	45.41	ADR	40.4	.52	-43.4	42.93	54	-11.07	-	-	-	-	82	159	V

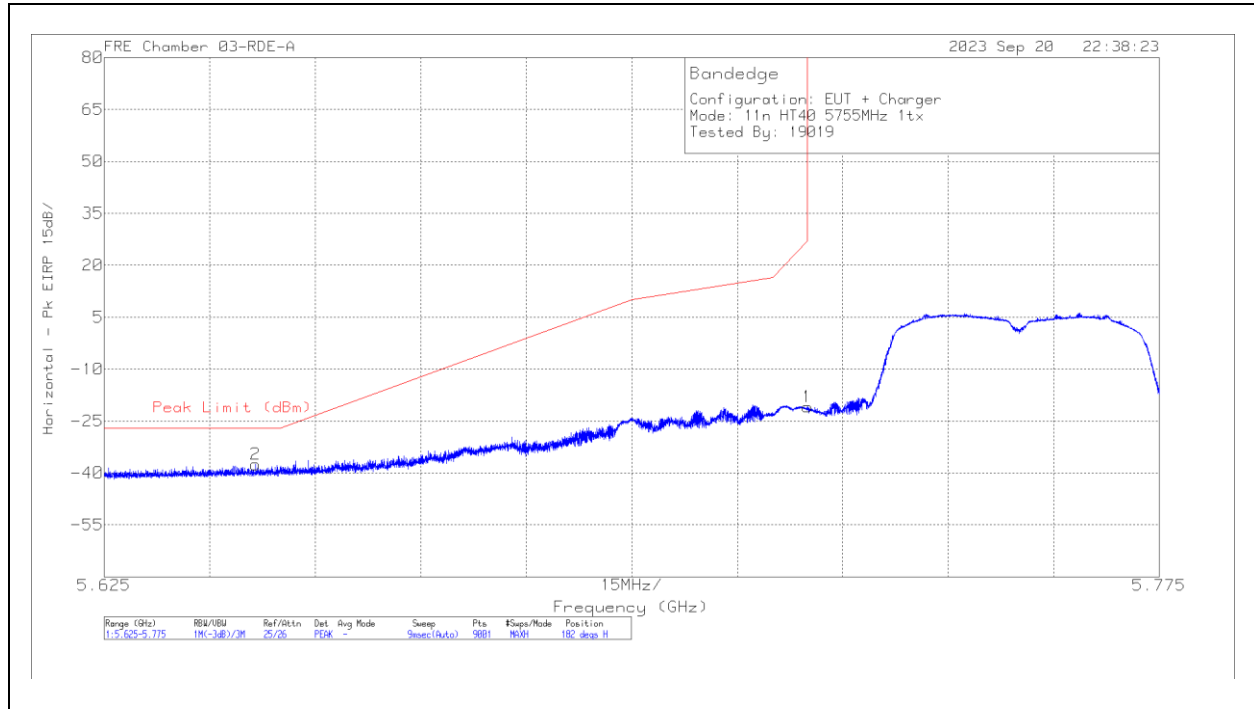
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

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

1TX Antenna 1 MODE

BANDEDGE (LOW CHANNEL)

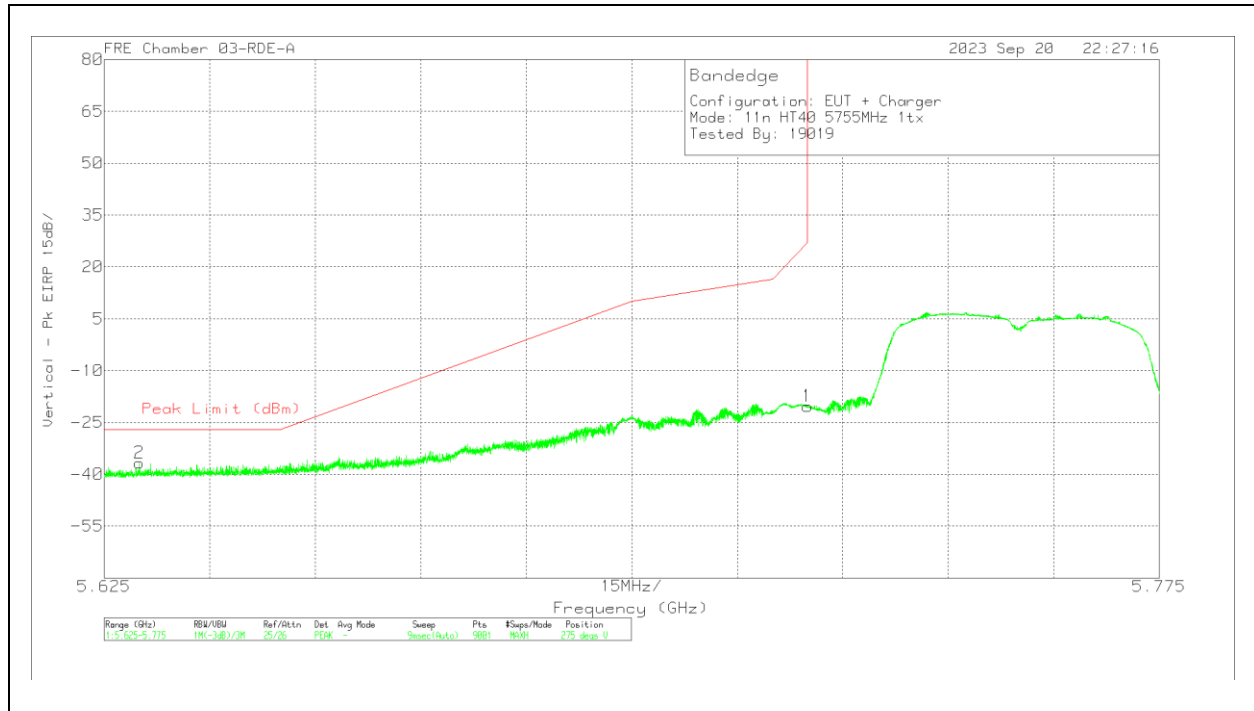
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	200897 ACF 3m (dB/m)	Conversion Factor (dB)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.646517	-46.38	Pk	34.4	11.8	0	-37.34	-37.52	-27	-10.52	182	271	H
1	5.725	-30.08	Pk	34.5	11.8	0	-37.13	-20.91	27	-47.91	182	271	H

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

VERTICAL RESULT

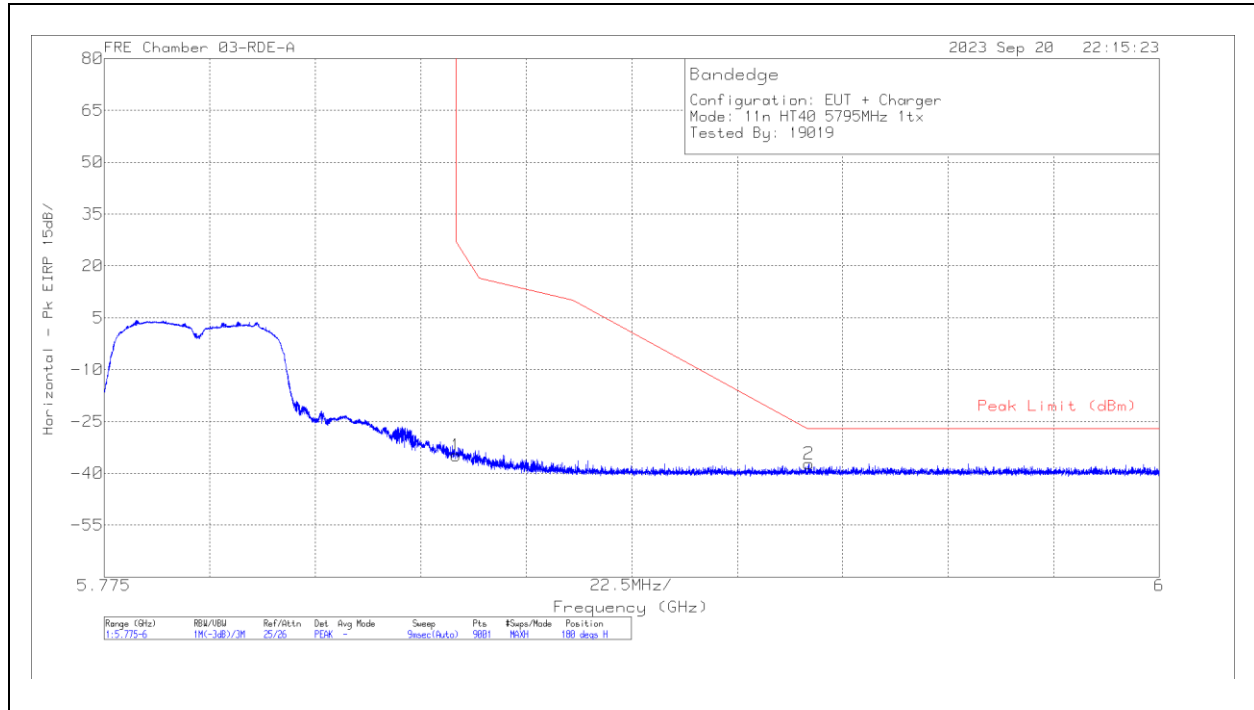


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	200897 ACF 3m (dB/m)	Conversion Factor (dB)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.630017	-45.37	Pk	34.3	11.8	0	-37.4	-36.67	-27	-9.67	275	205	V
1	5.725	-29.47	Pk	34.5	11.8	0	-37.13	-20.3	27	-47.3	275	205	V

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

BANDEDGE (HIGH CHANNEL)

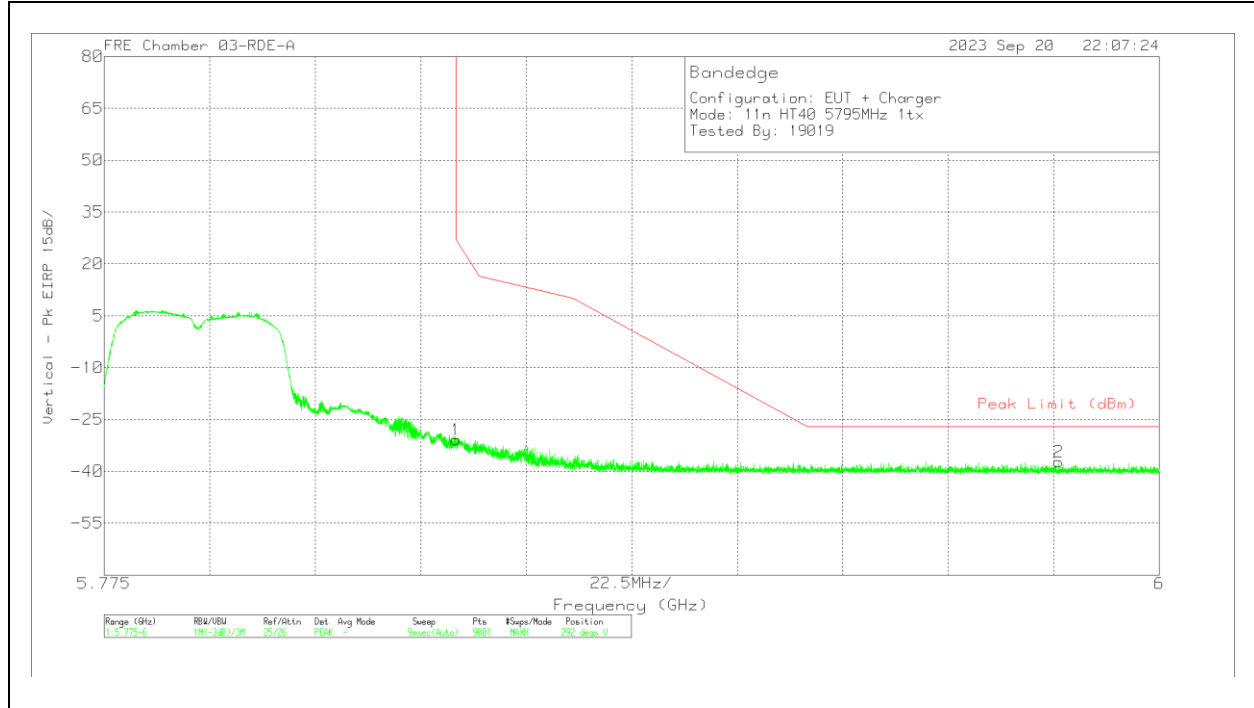
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	200897 ACF 3m (dB/m)	Conversion Factor (dB)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-44.63	Pk	34.9	11.8	0	-36.87	-34.8	27	-61.8	180	161	H
2	5.925275	-47.39	Pk	35.1	11.8	0	-36.72	-37.21	-27	-10.21	180	161	H

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

VERTICAL RESULT

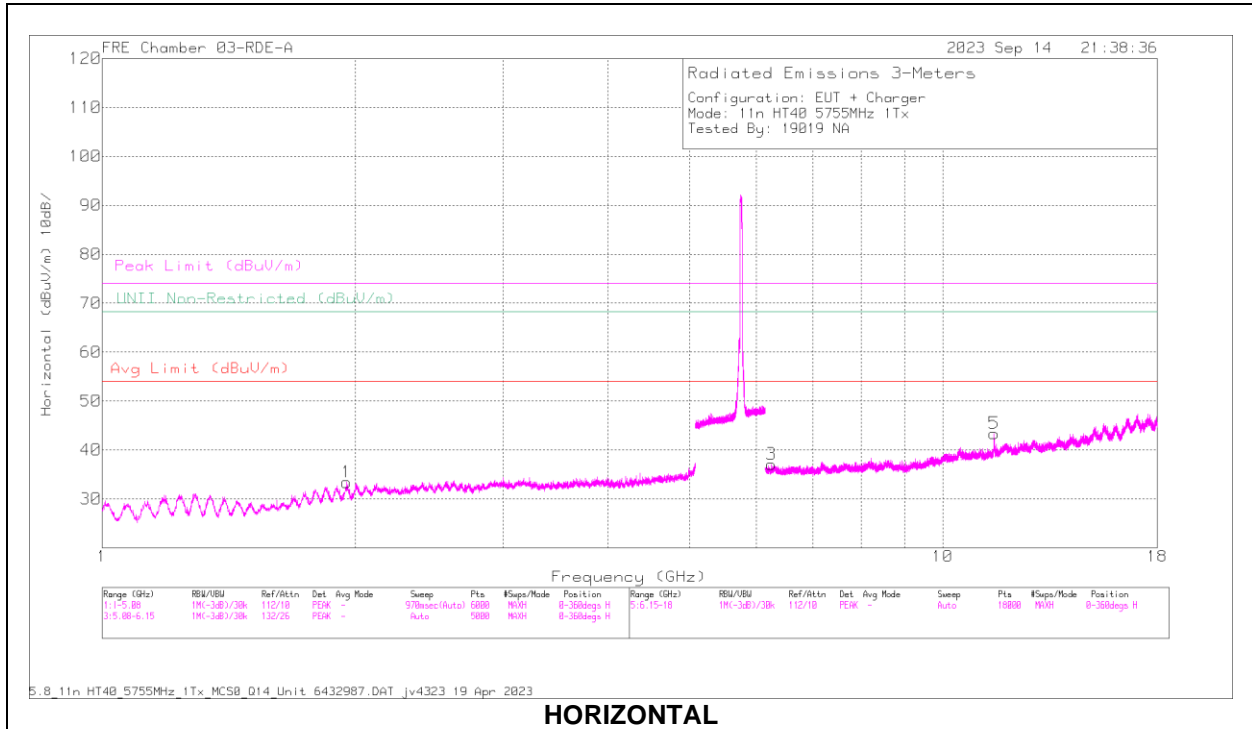


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	200897 ACF 3m (dB/m)	Conversion Factor (dB)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-40.74	Pk	34.9	11.8	0	-36.87	-30.91	27	-57.91	292	299	V
2	5.978525	-47.6	Pk	35.1	11.8	0	-36.61	-37.31	-27	-10.31	292	299	V

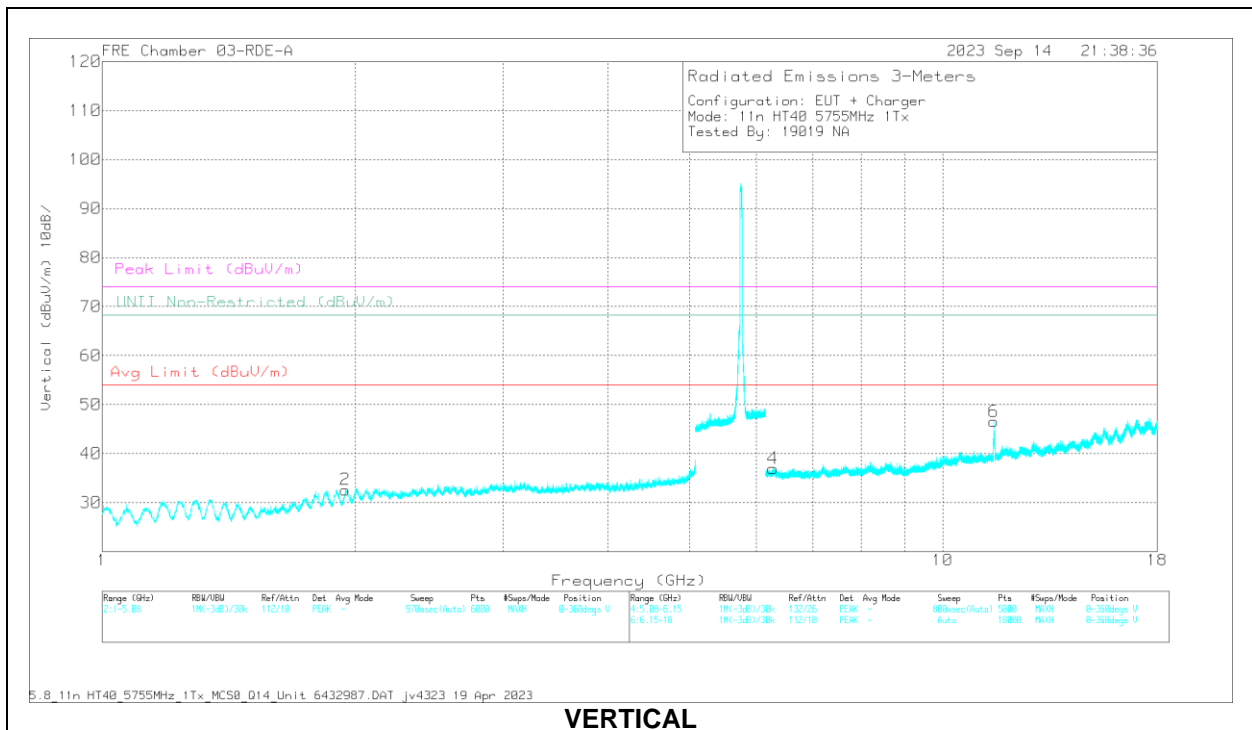
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



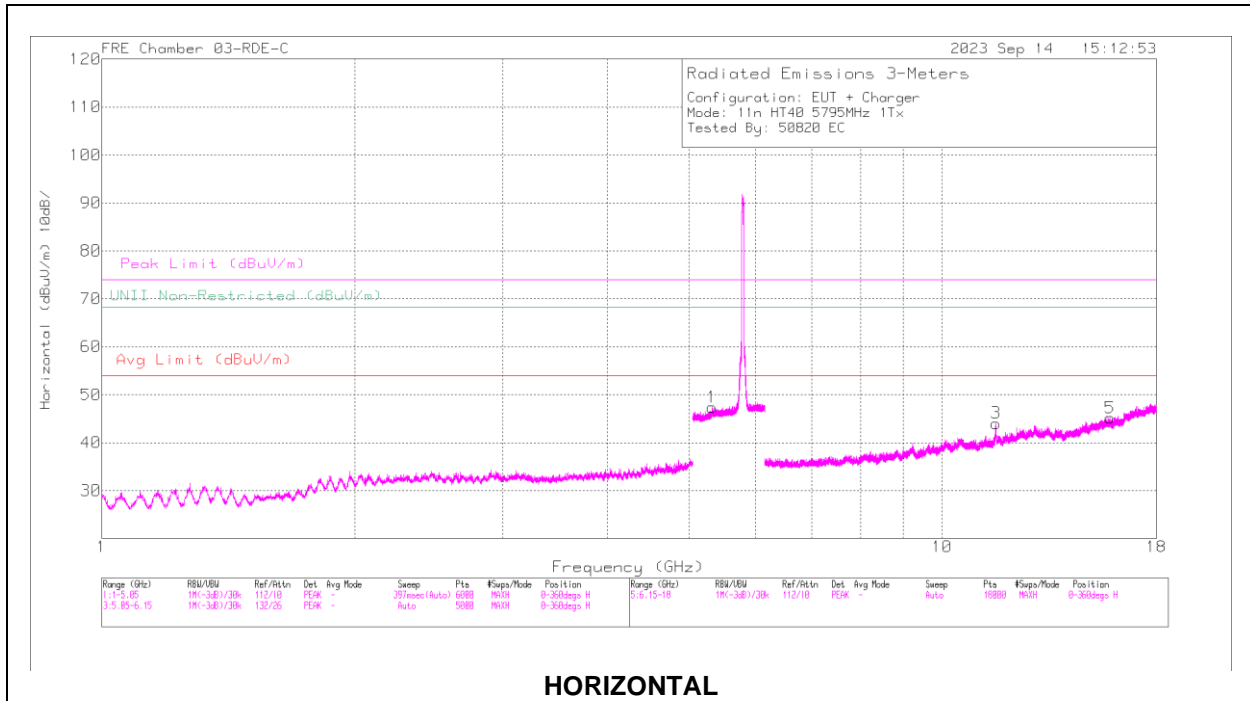
VERTICAL

RADIATED EMISSIONS

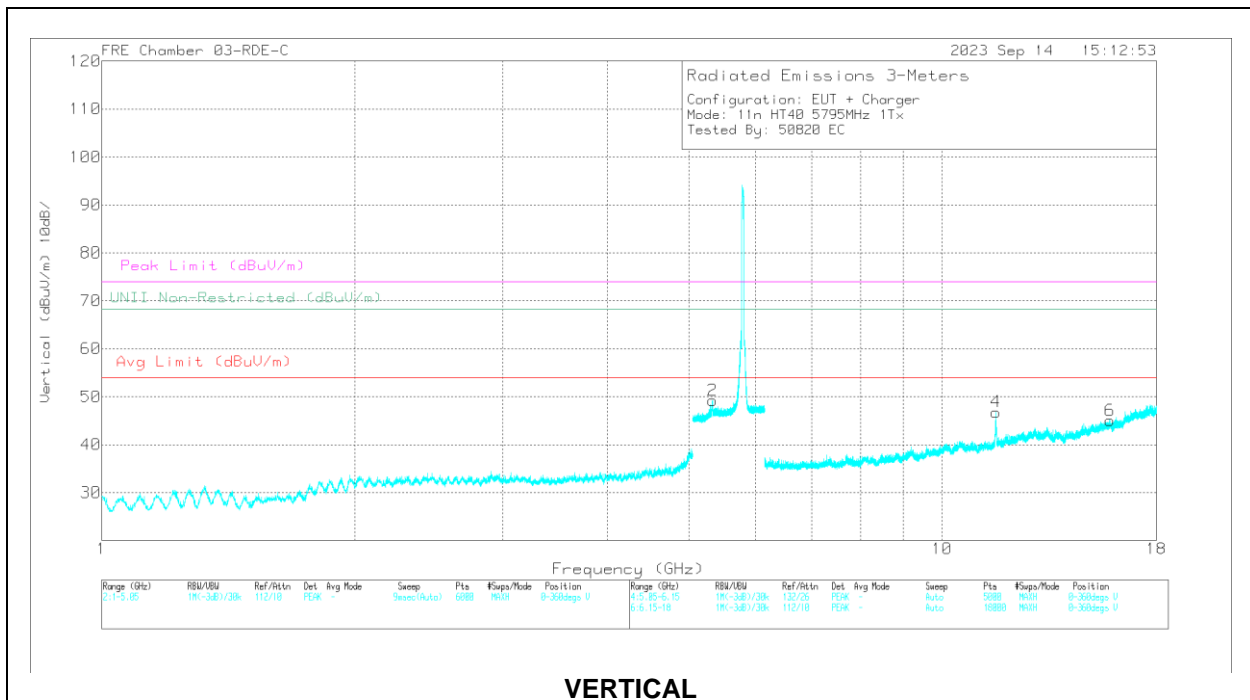
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF 3m (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	* 11.50921	58.16	PK-U	37.8	0	-43.47	52.49	-	-	74	-21.51	-	-	67	130	H
	* 11.51140	46.49	ADR	37.8	1.09	-43.5	41.88	54	-12.12	-	-	-	-	67	130	H
6	* 11.50995	61.87	PK-U	37.8	0	-43.47	56.2	-	-	74	-17.8	-	-	76	104	V
	* 11.50858	49.47	ADR	37.8	1.09	-43.46	44.9	54	-9.1	-	-	-	-	76	104	V
2	1.947408	61.55	PK-U	31.1	0	-50.07	42.58	-	-	-	-	68.2	-25.62	157	103	V
1	1.951849	61.91	PK-U	31.1	0	-50.23	42.78	-	-	-	-	68.2	-25.42	91	135	H
3	6.25192	56.19	PK-U	35.5	0	-45.34	46.35	-	-	-	-	68.2	-21.85	204	258	H
4	6.2807	56.08	PK-U	35.5	0	-45.16	46.42	-	-	-	-	68.2	-21.78	171	191	V

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

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 ACF (dB) 3mH	DCCF (dB)	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
3	* 11.58651	60.08	PK-U	38.2	0	-43.55	54.73	-	-	74	-19.27	-	-	259	250	H
	* 11.58896	48.94	ADR	38.2	1.09	-43.6	44.63	54	-9.37	-	-	-	-	259	250	H
5	* 15.85245	58.2	PK-U	40.2	0	-43.4	55	-	-	74	-19	-	-	223	397	H
	* 15.85391	46.46	ADR	40.2	1.09	-43.4	44.35	54	-9.65	-	-	-	-	223	397	H
4	* 11.58507	60.03	PK-U	38.2	0	-43.51	54.72	-	-	74	-19.28	-	-	272	261	V
	* 11.58605	48.16	ADR	38.2	1.09	-43.59	43.86	54	-10.14	-	-	-	-	272	261	V
6	* 15.84807	58.1	PK-U	40.2	0	-43.31	54.99	-	-	74	-19.01	-	-	185	107	V
	* 15.84968	46.44	ADR	40.2	1.09	-43.33	44.4	54	-9.6	-	-	-	-	185	107	V
1	5.308228	61.13	PK-U	34.5	0	-38.12	57.51	-	-	-	-	68.2	-10.69	36	276	V
2	5.332652	61.47	PK-U	34.5	0	-38.1	57.87	-	-	-	-	68.2	-10.33	236	257	H

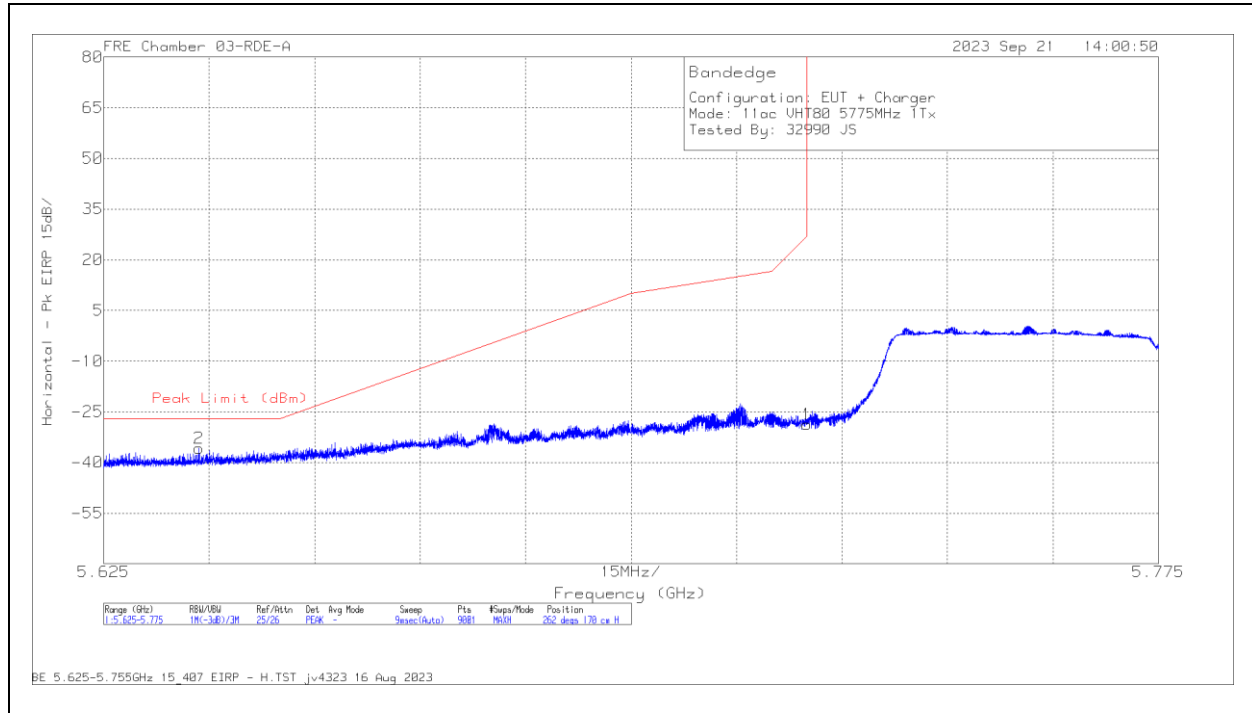
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

10.1.16. TX ABOVE 1 GHz 802.11ac VHT80 MODE IN THE 5.8 GHz BAND

1TX Antenna 1 MODE

BANDEDGE (CHANNEL 155 LOW EDGE)

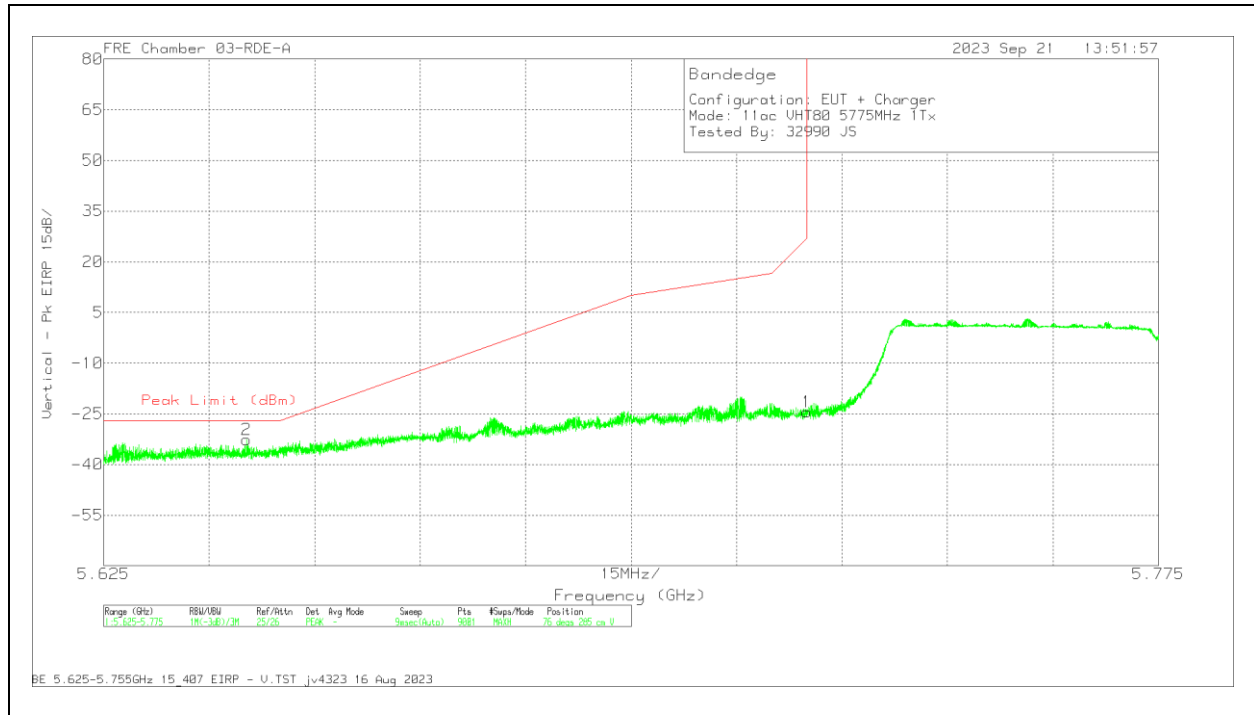
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	200897 ACF 3m (dB/m)	Conversion Factor (dB)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.6385	-44.59	Pk	34.4	11.8	0	-37.35	-35.74	-27	-8.74	262	170	H
1	5.725	-37.81	Pk	34.5	11.8	0	-37.13	-28.64	27	-55.64	262	170	H

Pk - Peak detector

VERTICAL RESULT

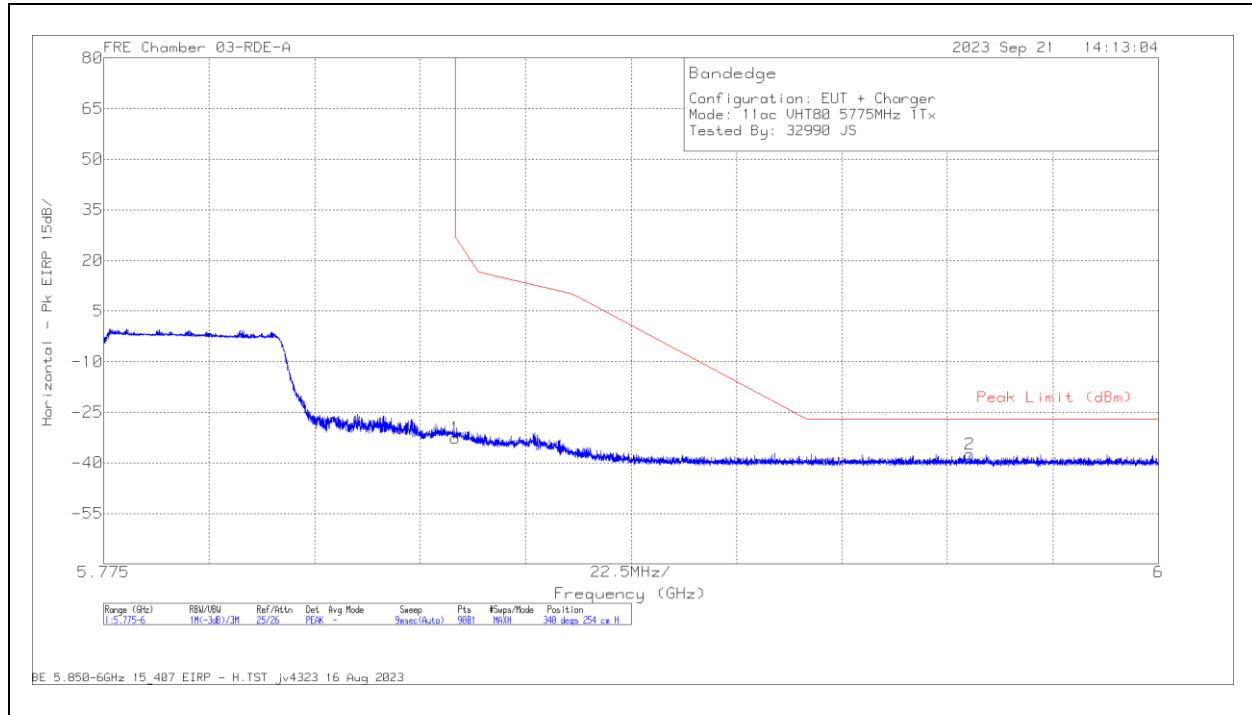


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	200897 ACF 3m (dB/m)	Conversion Factor (dB)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.645317	-41.56	Pk	34.4	11.8	0	-37.34	-32.7	-27	-5.7	76	285	V
1	5.725	-33.61	Pk	34.5	11.8	0	-37.13	-24.44	27	-51.44	76	285	V

Pk - Peak detector

BANDEDGE (CHANNEL 155 HIGH EDGE)

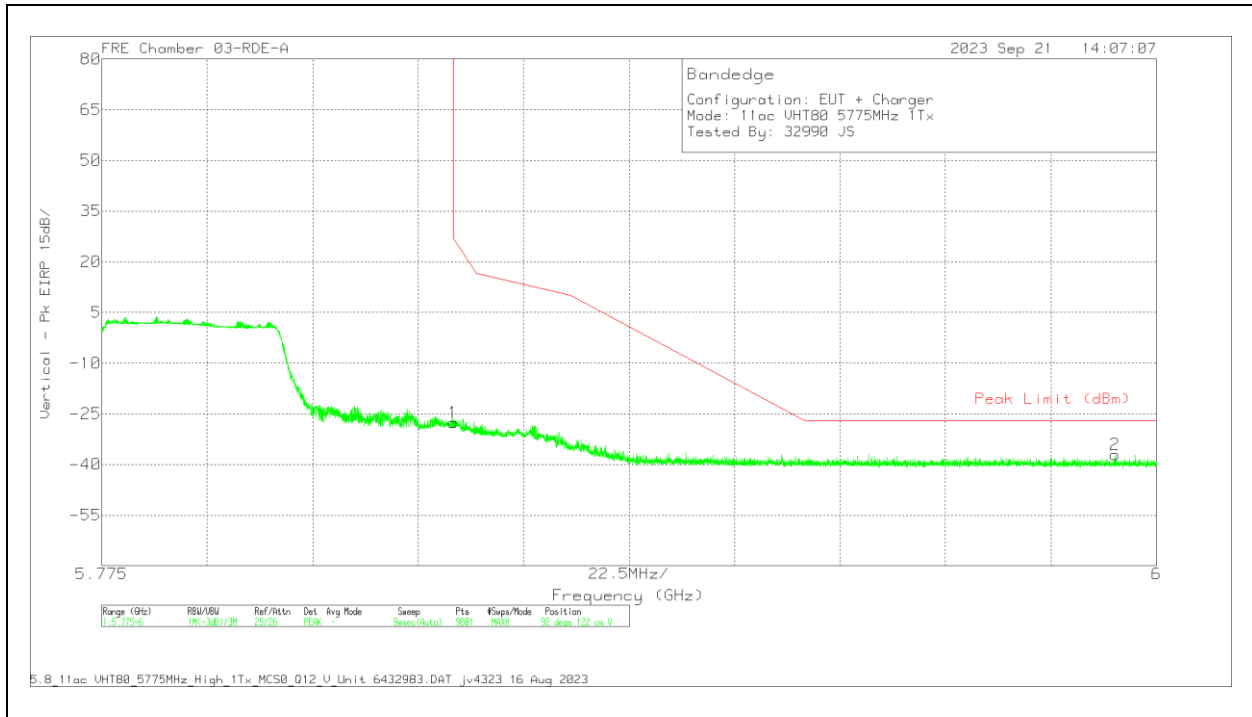
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	200897 ACF 3m (dB/m)	Conversion Factor (dB)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-42.37	Pk	34.9	11.8	0	-36.87	-32.54	27	-59.54	340	254	H
2	5.95975	-47.73	Pk	35.1	11.8	0	-36.64	-37.47	-27	-10.47	340	254	H

Pk - Peak detector

VERTICAL RESULT

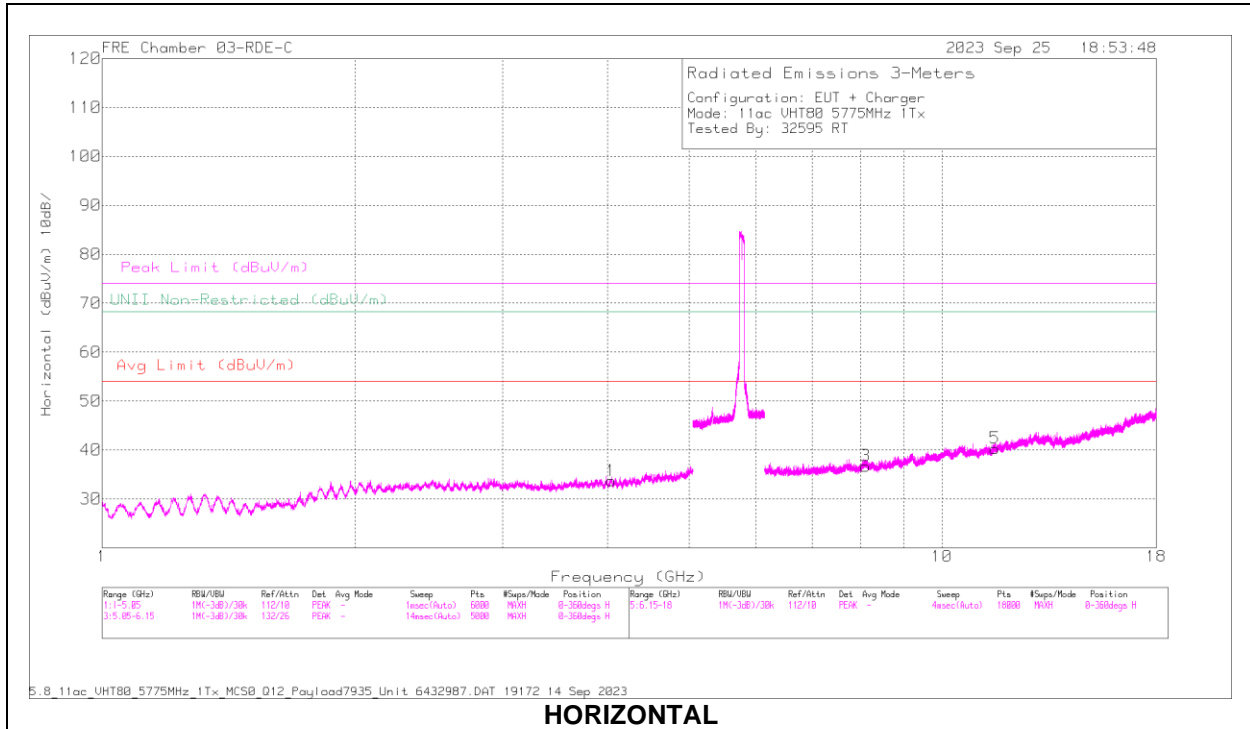


Marker	Frequency (GHz)	Meter Reading (dBm)	Det	200897 ACF 3m (dB/m)	Conversion Factor (dB)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-37.37	Pk	34.9	11.8	0	-36.87	-27.54	27	-54.54	92	122	V
2	5.991175	-47.33	Pk	35.1	11.8	0	-36.59	-37.02	-27	-10.02	92	122	V

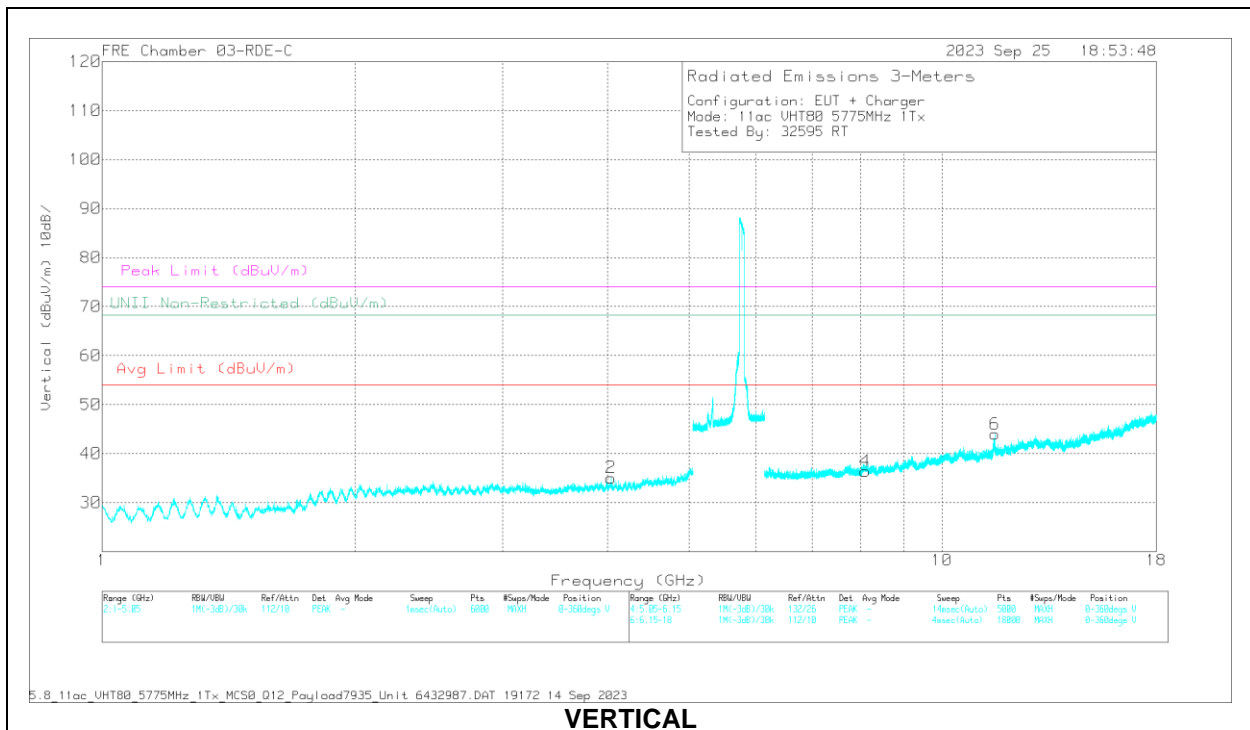
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

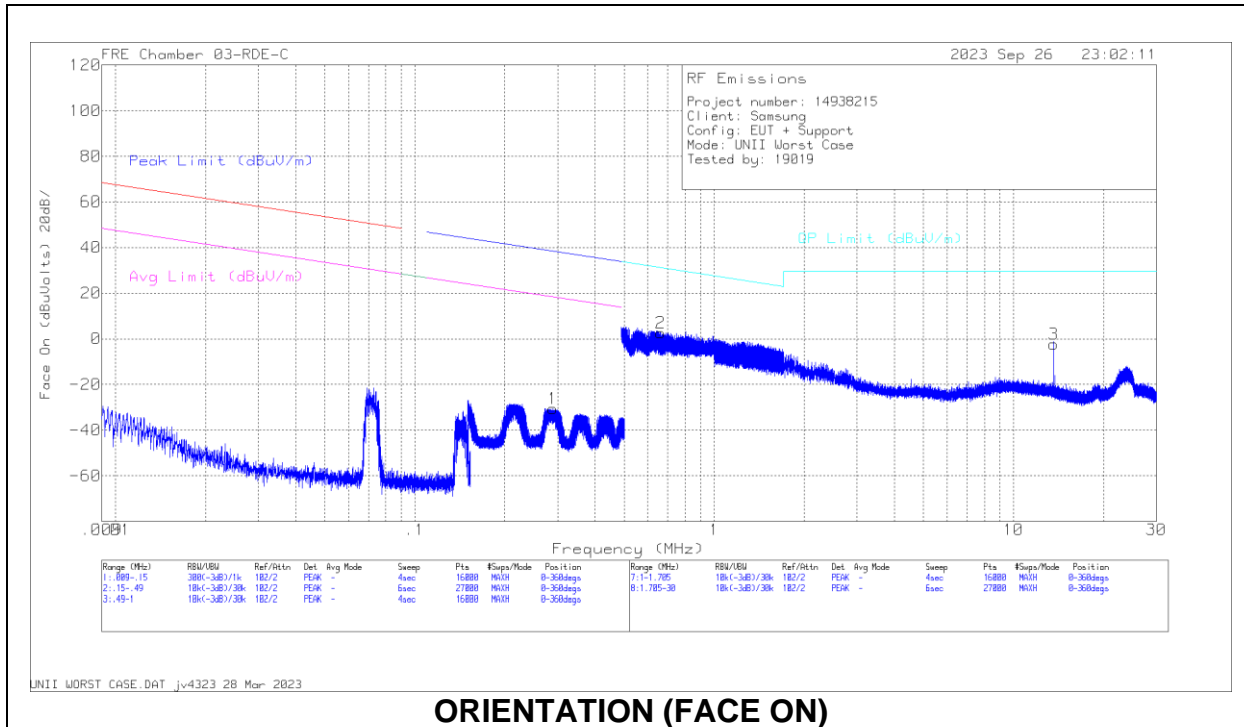
RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 ACF (dB) 3mH	DCCF (dB)	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	* 4.037954	57.14	PK-U	33.4	0	-46.4	44.14	-	-	74	-29.86	-	-	1	101	H
	* 4.036541	45.49	ADR	33.4	.39	-46.4	32.88	54	-21.12	-	-	-	-	1	101	H
2	* 4.034491	57.59	PK-U	33.4	0	-46.45	44.54	-	-	74	-29.46	-	-	1	101	V
	* 4.035361	45.63	ADR	33.4	.39	-46.46	32.96	54	-21.04	-	-	-	-	1	101	V
3	* 8.108992	55.7	PK-U	35.9	0	-44.4	47.2	-	-	74	-26.8	-	-	1	200	H
	* 8.110513	44.45	ADR	35.9	.39	-44.4	36.34	54	-17.66	-	-	-	-	1	200	H
5	* 11.55775	56.59	PK-U	38.2	0	-43.4	51.39	-	-	74	-22.61	-	-	20	220	H
	* 11.55394	44.92	ADR	38.2	.39	-43.3	40.21	54	-13.79	-	-	-	-	20	220	H
4	* 8.103909	55.56	PK-U	35.9	0	-44.5	46.96	-	-	74	-27.04	-	-	20	200	V
	* 8.103452	44.44	ADR	35.9	.39	-44.5	36.23	54	-17.77	-	-	-	-	20	200	V
6	* 11.55649	57.23	PK-U	38.2	0	-43.35	52.08	-	-	74	-21.92	-	-	75	213	V
	* 11.55411	45.71	ADR	38.2	.39	-43.31	40.99	54	-13.01	-	-	-	-	75	213	V

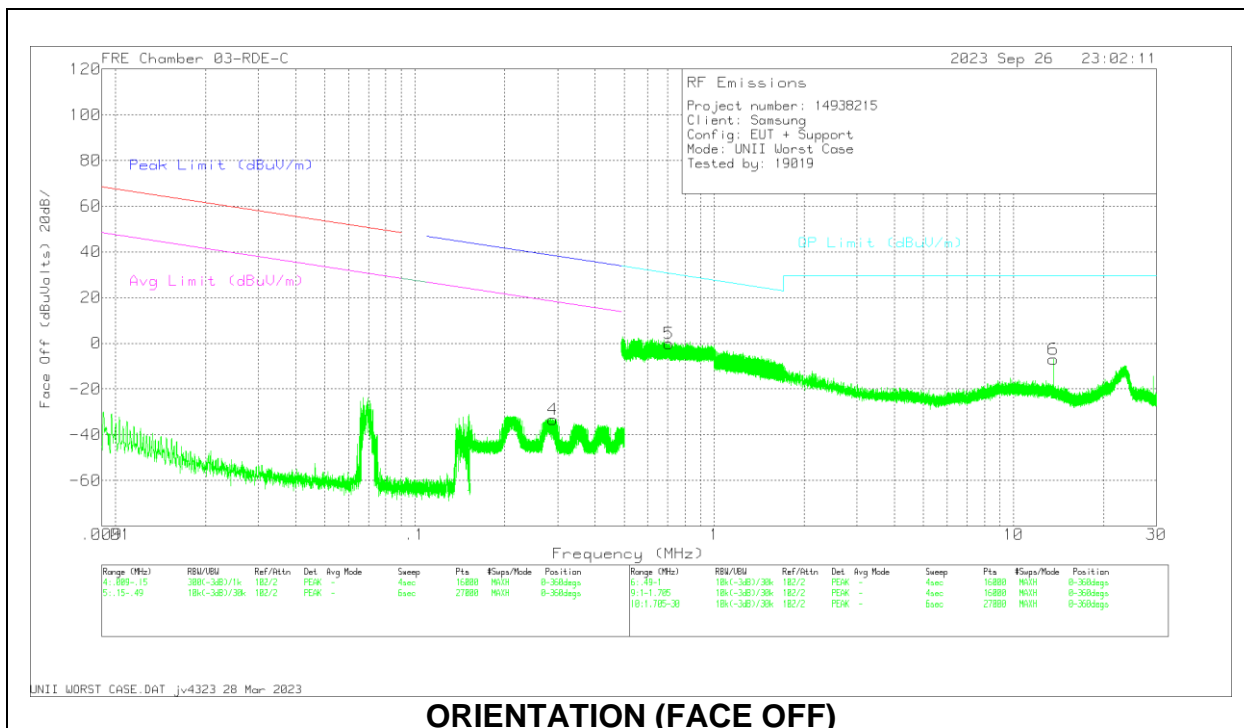
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

10.1. WORST CASE BELOW 30 MHz

SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION)



ORIENTATION (FACE ON)



ORIENTATION (FACE OFF)

Below 30MHz Data

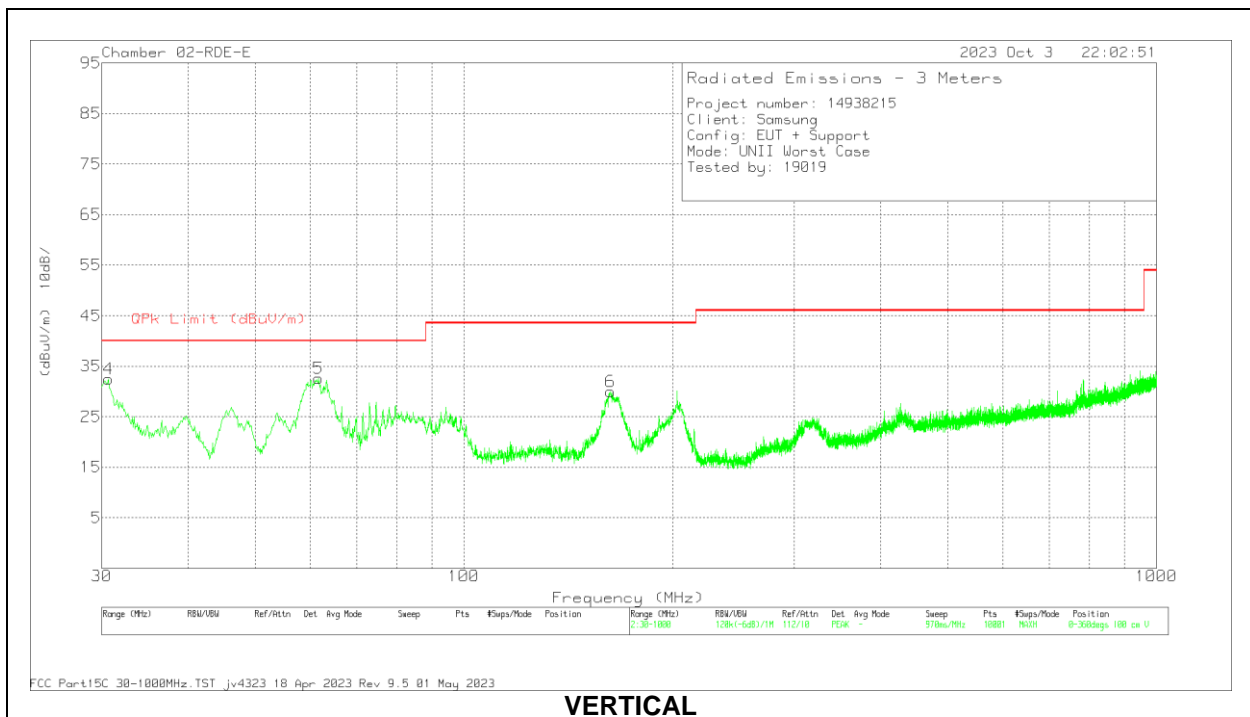
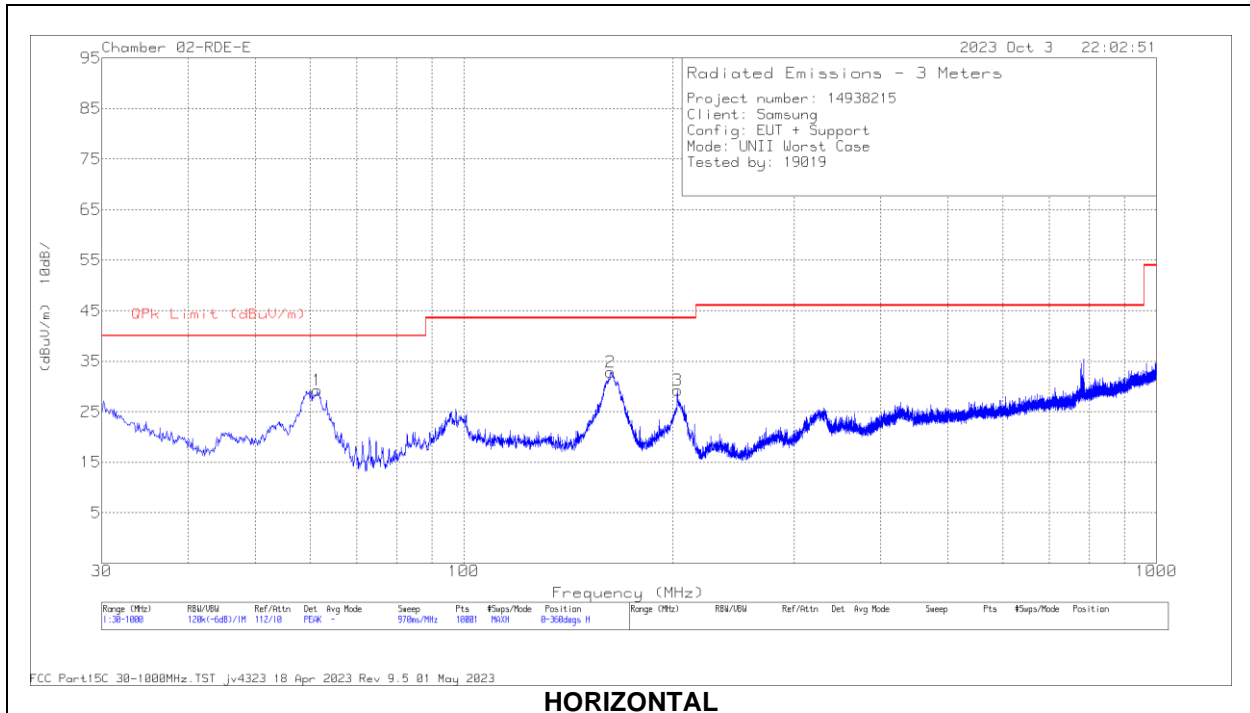
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E(ACF)	Cbl (dB)	Dist Corr 300m	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
4	.2887	23.15	Pk	56.3	-32.8	-80	-33.35	38.4	-71.75	18.4	-51.75	0-360
1	.2889	25.79	Pk	56.3	-32.8	-80	-30.71	38.4	-69.11	18.4	-49.11	0-360

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E(ACF)	Cbl (dB)	Dist Corr 30m (dB) 40Log	Corrected Reading (dBuVolts)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
2	.6616	18.93	Pk	56.3	-32.6	-40	2.63	31.2	-28.57	0-360
5	.7046	16.25	Pk	56.3	-32.7	-40	-1.15	30.65	-30.8	0-360
6	13.5747	30.87	Pk	34.3	-32.1	-40	-6.93	29.5	-36.43	0-360
3	13.605	35.58	Pk	34.2	-32.1	-40	-2.32	29.5	-31.82	0-360

Pk - Peak detector

10.2. WORST CASE BELOW 1 GHz

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



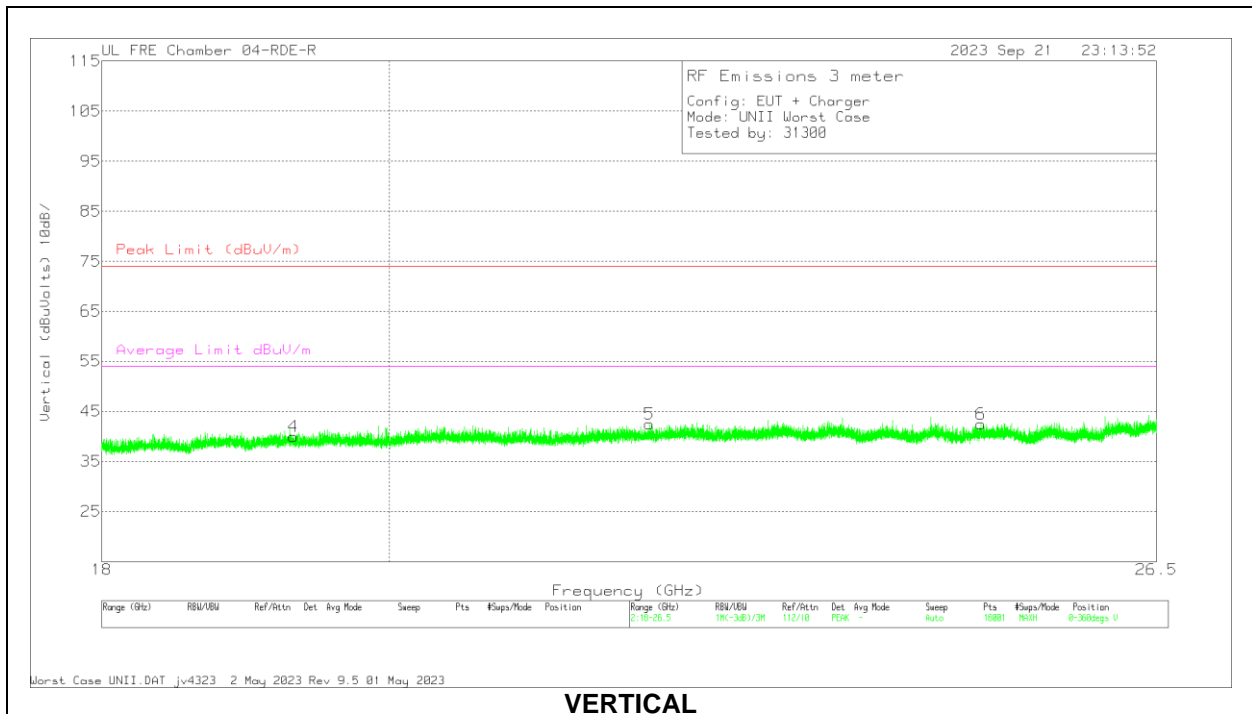
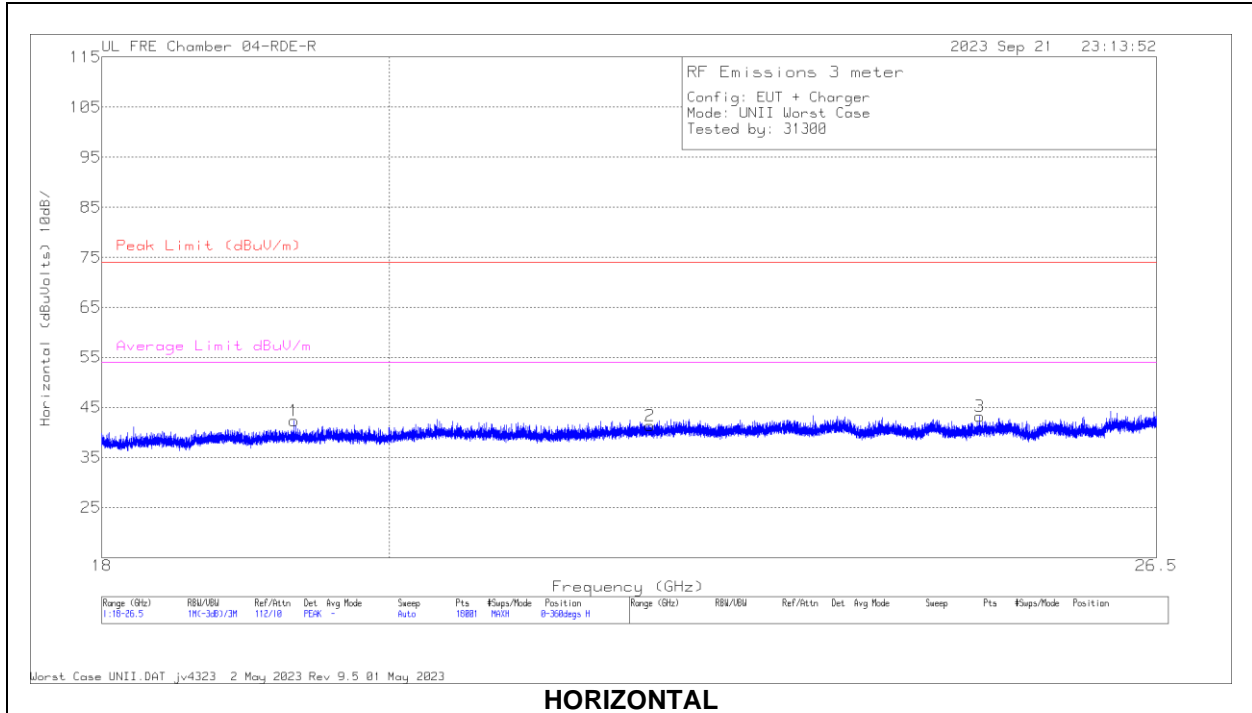
DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	230635 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 162.696	45.06	Pk	18	-30.2	32.86	43.52	-10.66	0-360	199	H
6	* 162.987	42.22	Pk	18	-30.2	30.02	43.52	-13.5	0-360	199	V
4	30.679	37.74	Pk	26.3	-31.6	32.44	40	-7.56	0-360	100	V
1	61.428	46.82	Pk	13.5	-31.1	29.22	40	-10.78	0-360	299	H
5	61.719	50.12	Pk	13.6	-31.1	32.62	40	-7.38	0-360	100	V
	60.3439	45.76	Qp	13.4	-31.1	28.06	40	-11.94	66	113	V
3	203.339	41.63	Pk	17.5	-29.9	29.23	43.52	-14.29	0-360	98	H

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

10.3. WORST CASE 18-26 GHz

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



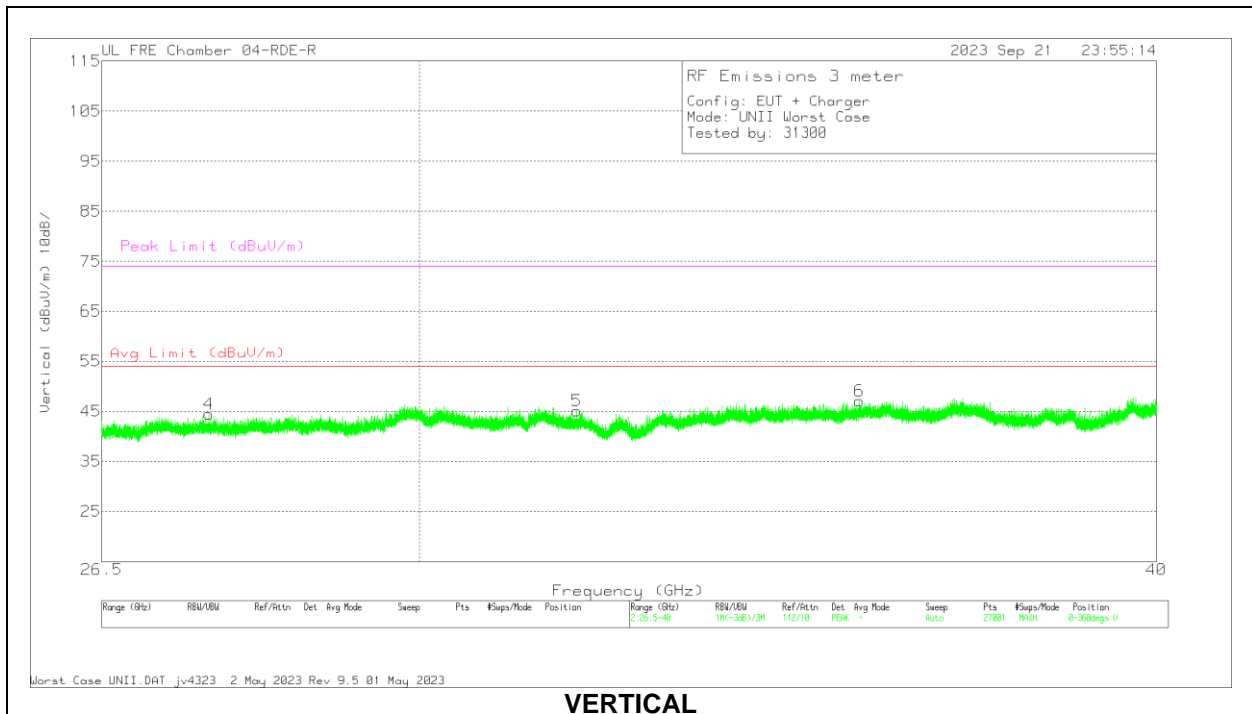
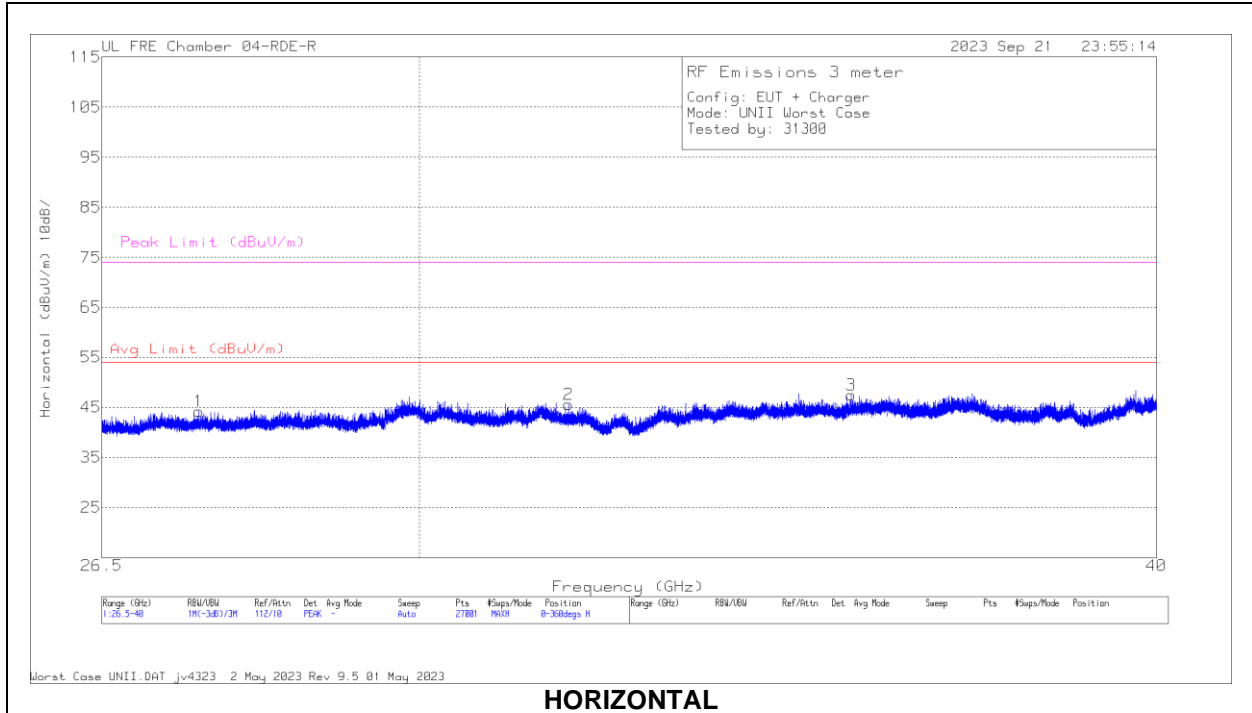
DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	172363 ACF 3m (dB/m)	171580 Amp (dB)	Cables (dB)	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 19.31324	57.7	Pk	32.5	-63.5	15.6	42.3	74	-31.7	0-360	99	H
4	* 19.30899	55.33	Pk	32.5	-63.5	15.6	39.93	74	-34.07	0-360	99	V
5	22.005387	56.36	Pk	33	-63.5	16.6	42.46	74	-31.54	0-360	99	V
2	22.007748	55.19	Pk	33	-63.5	16.6	41.29	74	-32.71	0-360	99	H
3	24.835413	54.65	Pk	33.8	-62.9	17.7	43.25	74	-30.75	0-360	99	H
6	24.848163	53.88	Pk	33.8	-62.9	17.7	42.48	74	-31.52	0-360	99	V

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

10.4. WORST CASE 26-40 GHz

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



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	172366 ACF 3m (dB/m)	172345 Amp (dB)	Cables (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 31.7945	58.84	Pk	36.5	-69.8	20.1	45.64	74	-28.36	0-360	100	H
1	27.522	64.11	Pk	35.6	-74.2	18.7	44.21	74	-29.79	0-360	100	H
4	27.634	64.22	Pk	35.6	-74	18.7	44.52	74	-29.48	0-360	200	V
5	31.8955	58.48	Pk	36.5	-70.2	20.3	45.08	74	-28.92	0-360	200	V
3	35.509	62.71	Pk	37.3	-74.2	21.7	47.51	74	-26.49	0-360	100	H
6	35.623	61.68	Pk	37.4	-73.7	21.7	47.08	74	-26.92	0-360	200	V

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

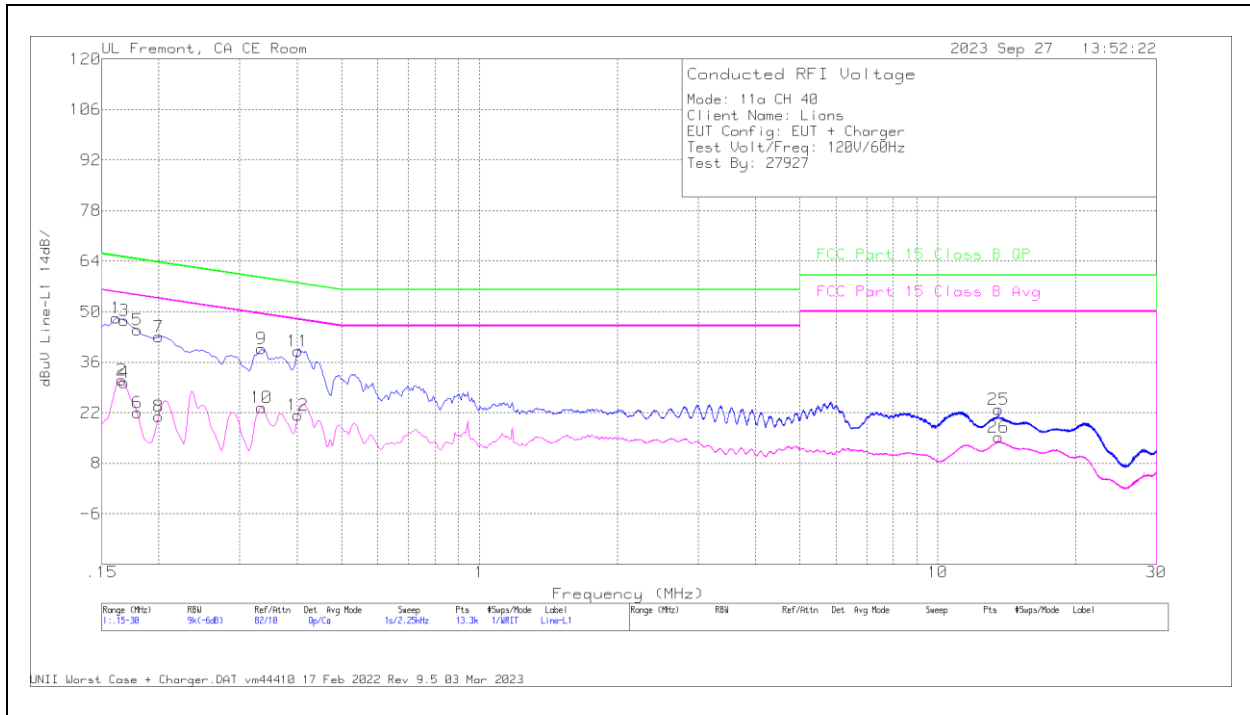
The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

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

LINE 1 RESULTS



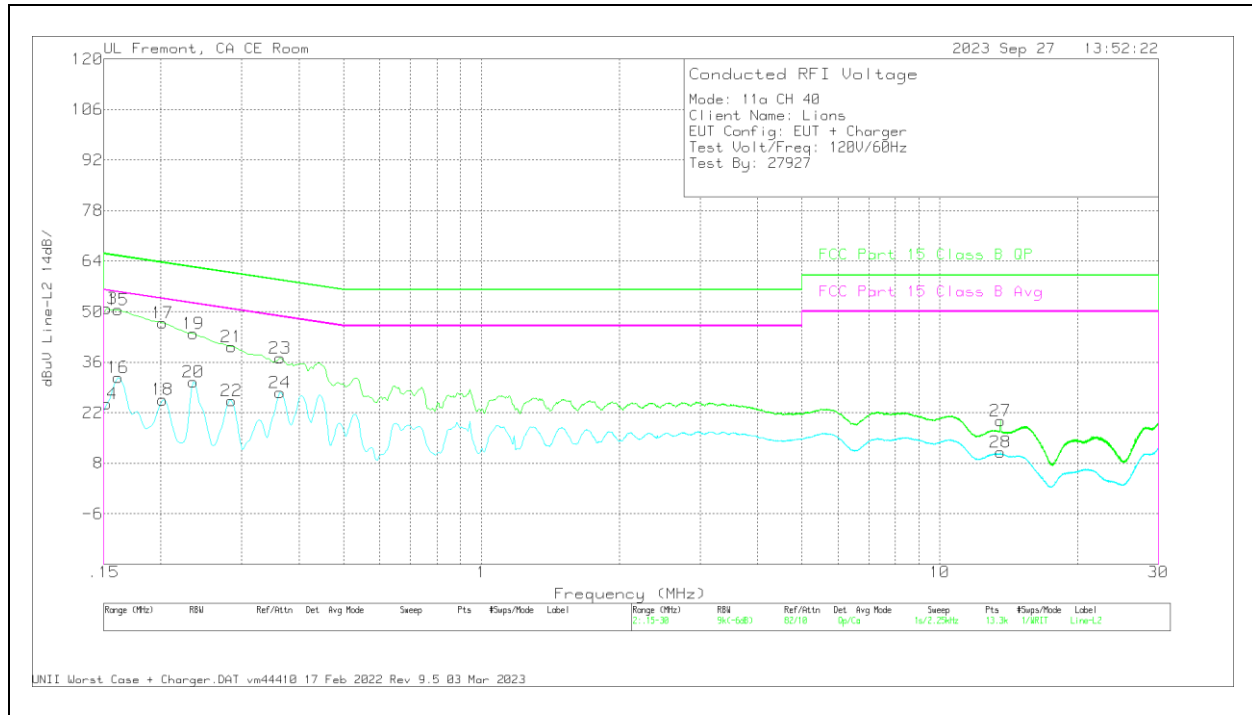
DATA

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN (dB)	Cbl (dB)	Trms Limiter (dB)	Corrected Reading dBuV	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av(CISPR)Margin (dB)
2	.1658	21.63	Ca	0	0	9.5	31.13	-	-	55.17	-24.04
4	.168	20.88	Ca	0	0	9.5	30.38	-	-	55.06	-24.68
6	.1793	12.44	Ca	0	.1	9.4	21.94	-	-	54.52	-32.58
8	.1995	11.51	Ca	0	.1	9.4	21.01	-	-	53.63	-32.62
10	.3345	14.06	Ca	0	0	9.4	23.46	-	-	49.34	-25.88
12	.402	11.97	Ca	0	0	9.4	21.37	-	-	47.81	-26.44
26	13.56	5.38	Ca	.1	.3	9.5	15.28	-	-	50	-34.72
1	.1613	38.76	Qp	0	0	9.5	48.26	65.4	-17.14	-	-
3	.168	38.14	Qp	0	0	9.5	47.64	65.06	-17.42	-	-
5	.1793	35.46	Qp	0	.1	9.4	44.96	64.52	-19.56	-	-
7	.1995	33.59	Qp	0	.1	9.4	43.09	63.63	-20.54	-	-
9	.3345	30.37	Qp	0	0	9.4	39.77	59.34	-19.57	-	-
11	.402	29.61	Qp	0	0	9.4	39.01	57.81	-18.8	-	-
25	13.56	13.03	Qp	.1	.3	9.5	22.93	60	-37.07	-	-

Qp - Quasi-Peak detector
 Ca - CISPR average detection

Note: 13.56MHz (markers 25 and 26) is an external NFC signal unrelated to the EUT.

LINE 2 RESULTS



DATA

Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN (dB)	Cbl (dB)	Trms Limiter (dB)	Corrected Reading dBuV	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av(CISPR)Margin (dB)
14	.1523	14.99	Ca	0	0	9.5	24.49	-	-	55.88	-31.39
16	.1613	22.29	Ca	0	0	9.5	31.79	-	-	55.4	-23.61
18	.2018	16.08	Ca	0	.1	9.4	25.58	-	-	53.54	-27.96
20	.2355	21.16	Ca	0	0	9.4	30.56	-	-	52.25	-21.69
22	.285	15.87	Ca	0	.1	9.4	25.37	-	-	50.67	-25.3
24	.3638	18.14	Ca	0	.1	9.4	27.64	-	-	48.64	-21
28	13.5623	1.29	Ca	.1	.2	9.5	11.09	-	-	50	-38.91
13	.1523	41.3	Qp	0	0	9.5	50.8	65.88	-15.08	-	-
15	.1613	40.97	Qp	0	0	9.5	50.47	65.4	-14.93	-	-
17	.2018	37.33	Qp	0	.1	9.4	46.83	63.54	-16.71	-	-
19	.2355	34.54	Qp	0	0	9.4	43.94	62.25	-18.31	-	-
21	.285	30.82	Qp	0	.1	9.4	40.32	60.67	-20.35	-	-
23	.3638	27.64	Qp	0	.1	9.4	37.14	58.64	-21.5	-	-
27	13.5623	9.96	Qp	.1	.2	9.5	19.76	60	-40.24	-	-

Qp - Quasi-Peak detector
 Ca - CISPR average detection

Note: 13.56MHz (markers 27 and 28) is an external NFC signal unrelated to the EUT.

12. SETUP PHOTOS

Please refer to 14938215 – E11V1 for setup photos.

END OF TEST REPORT