

RADIATED EMISSIONS

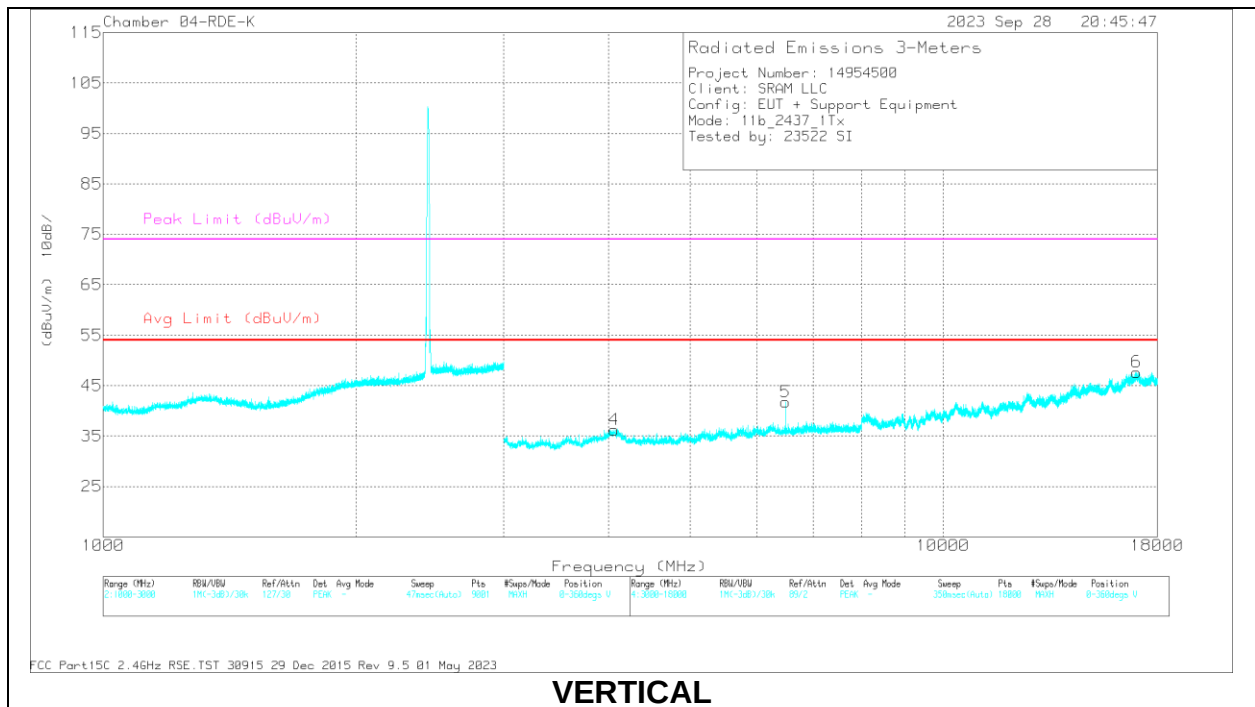
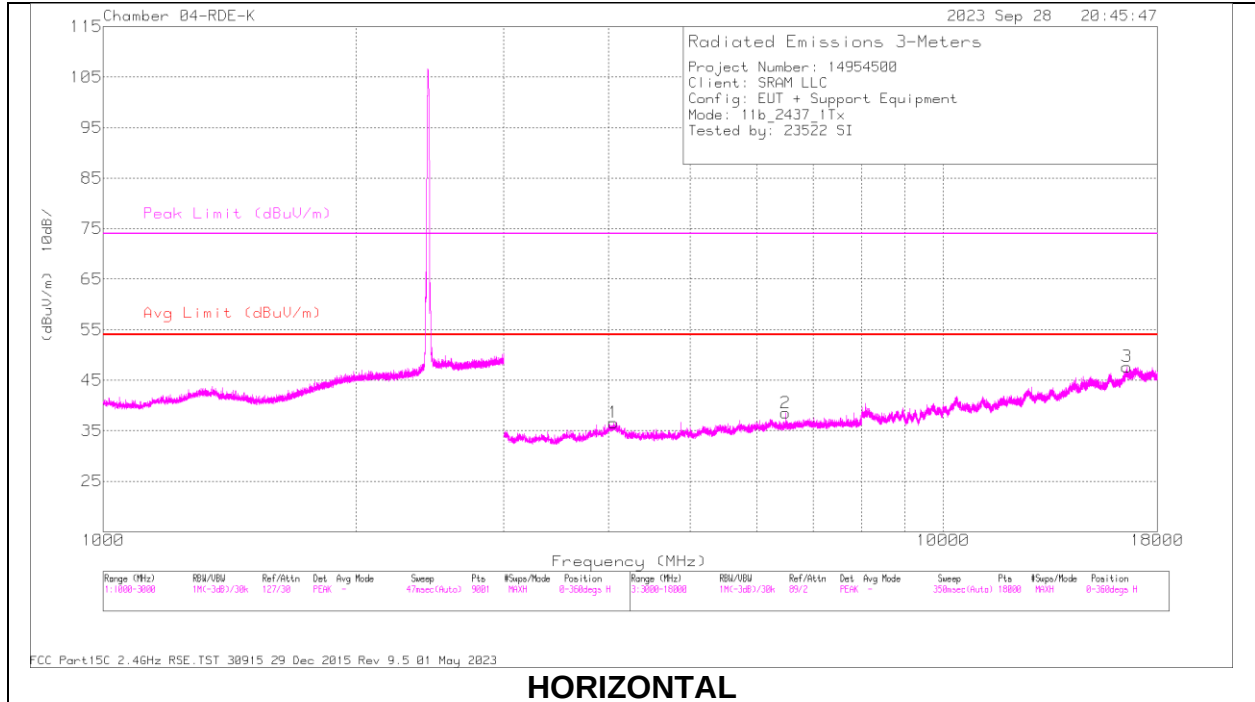
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF 3m (dB/m)	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4823.861	53.32	PK2	33.7	-40	47.02	-	-	74	-26.98	326	123	H
	* 4823.914	45.18	MAv1	33.7	-40	38.88	54	-15.12	-	-	326	123	H
2	6432.342	49.5	PK2	35.4	-38.3	46.6	-	-	-	-	191	147	H
	6431.531	38.49	MAv1	35.4	-38.3	35.59	-	-	-	-	191	147	H
3	17008.879	47.57	PK2	41.6	-31.7	57.47	-	-	-	-	168	358	H
	17011.57	34.58	MAv1	41.6	-31.8	44.38	-	-	-	-	168	358	H
4	* 4120.851	52.58	PK2	34.9	-41	46.48	-	-	74	-27.52	230	292	V
	* 4120.072	40.58	MAv1	34.9	-41	34.48	54	-19.52	-	-	230	292	V
5	6431.851	52.55	PK2	35.4	-38.3	49.65	-	-	-	-	183	114	V
	6431.969	45.38	MAv1	35.4	-38.3	42.48	-	-	-	-	183	114	V
6	17578.957	44.87	PK2	40.8	-30.1	55.57	-	-	-	-	84	387	V
	17579.916	33.43	MAv1	40.8	-30.1	44.13	-	-	-	-	84	387	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL, CH 6 RESULTS



RADIATED EMISSIONS

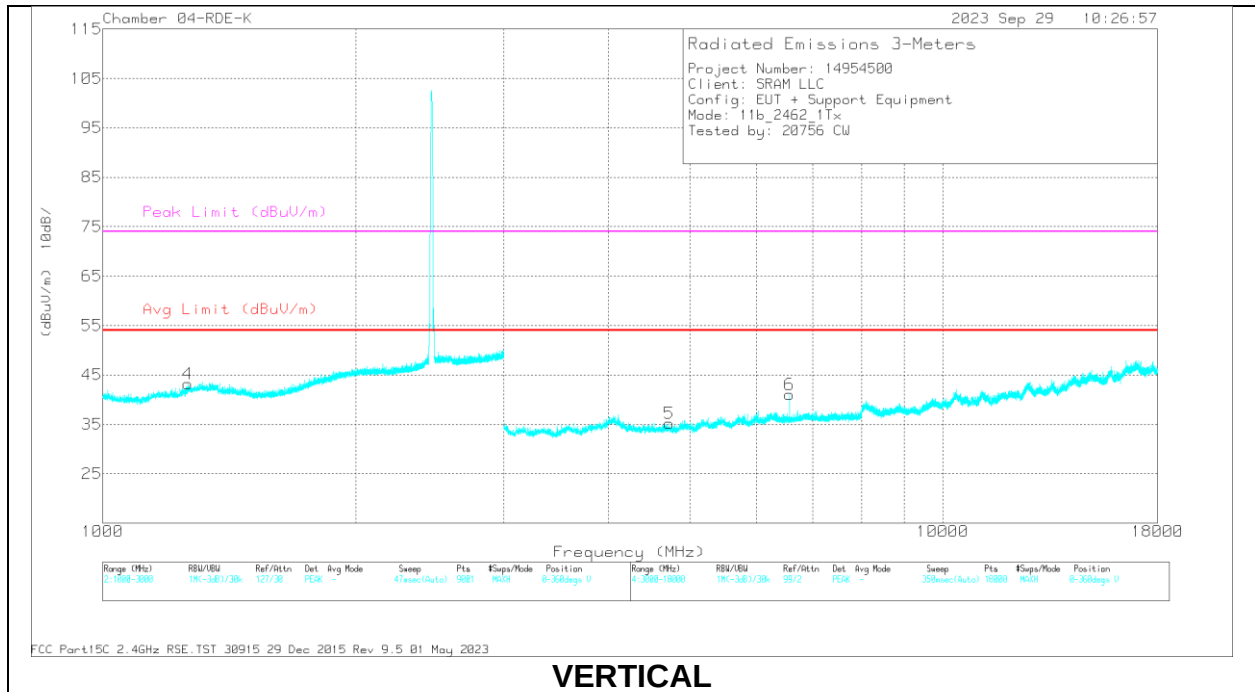
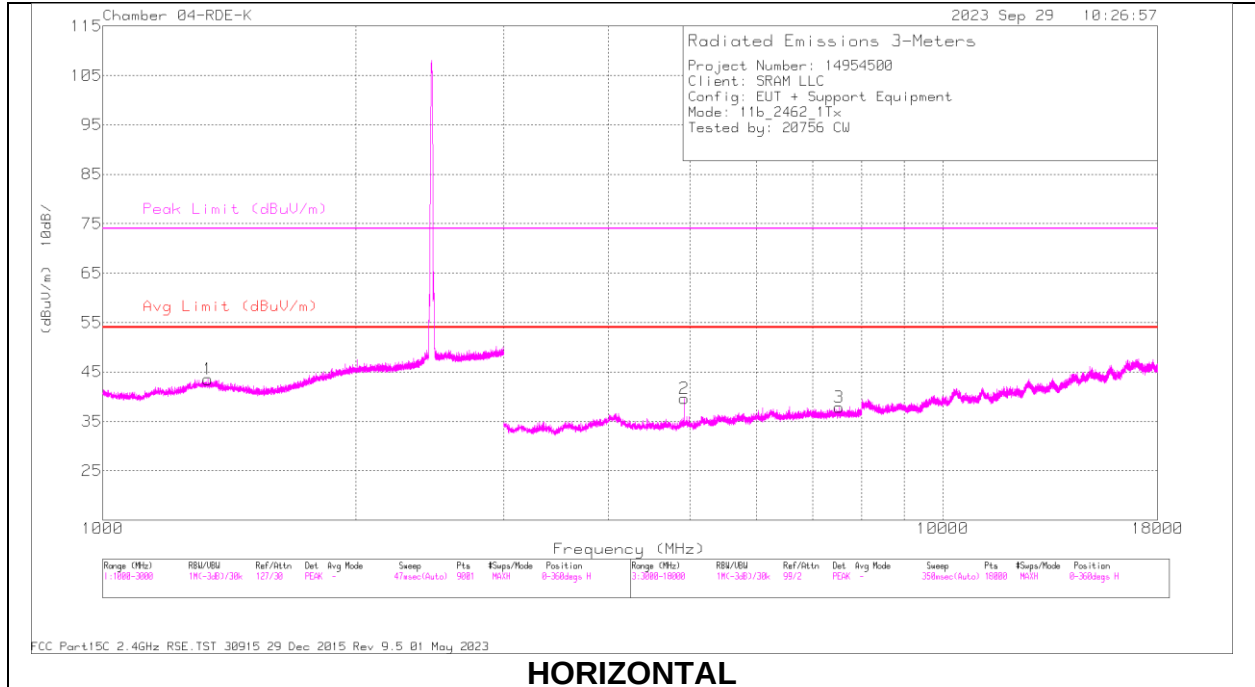
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF 3m (dB/m)	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4052.405	52.36	PK2	35.2	-41.3	46.26	-	-	74	-27.74	73	288	H
	* 4052.495	40.92	MAv1	35.2	-41.3	34.82	54	-19.18	-	-	73	288	H
2	6498.759	50.78	PK2	35.5	-38.2	48.08	-	-	-	-	303	101	H
	6498.613	42.01	MAv1	35.5	-38.2	39.31	-	-	-	-	303	101	H
3	16557.444	46.22	PK2	41.1	-31.8	55.52	-	-	-	-	122	235	H
	16557.031	34.74	MAv1	41.1	-31.8	44.04	-	-	-	-	122	235	H
4	* 4058.568	52.38	PK2	35.2	-41.3	46.28	-	-	74	-27.72	186	290	V
	* 4060.347	41.06	MAv1	35.2	-41.3	34.96	54	-19.04	-	-	186	290	V
5	6498.921	52	PK2	35.5	-38.2	49.3	-	-	-	-	178	117	V
	6498.6	44.53	MAv1	35.5	-38.2	41.83	-	-	-	-	178	117	V
6	16999.079	46.03	PK2	41.6	-31.8	55.83	-	-	-	-	315	228	V
	16999.09	34.07	MAv1	41.6	-31.8	43.87	-	-	-	-	315	228	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL, CH 11 RESULTS



RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF 3m (dB/m)	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1332.455	59.53	PK2	29	-36.1	52.43	-	-	74	-21.57	196	351	H
	* 1331.721	48.08	MAv1	29	-36.1	40.98	54	-13.02	-	-	196	351	H
4	* 1264.975	60.03	PK2	28.9	-36.3	52.63	-	-	74	-21.37	288	306	V
	* 1264.896	48.13	MAv1	28.9	-36.3	40.73	54	-13.27	-	-	288	306	V
2	* 4923.939	53.55	PK2	33.7	-40	47.25	-	-	74	-26.75	78	114	H
	* 4923.86	45.54	MAv1	33.7	-40	39.24	54	-14.76	-	-	78	114	H
3	* 7525.299	48.7	PK2	35.7	-37.3	47.1	-	-	74	-26.9	358	321	H
	* 7522.19	37.1	MAv1	35.7	-37.4	35.4	54	-18.6	-	-	358	321	H
5	* 4725.435	51.66	PK2	33.7	-40.5	44.86	-	-	74	-29.14	275	331	V
	* 4725.509	40.07	MAv1	33.7	-40.4	33.37	54	-20.63	-	-	275	331	V
6	6565.109	52.26	PK2	35.5	-38.2	49.56	-	-	-	-	181	126	V
	6565.327	43.8	MAv1	35.5	-38.2	41.1	-	-	-	-	181	126	V

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

PK2 - KDB558074 Method: Maximum Peak

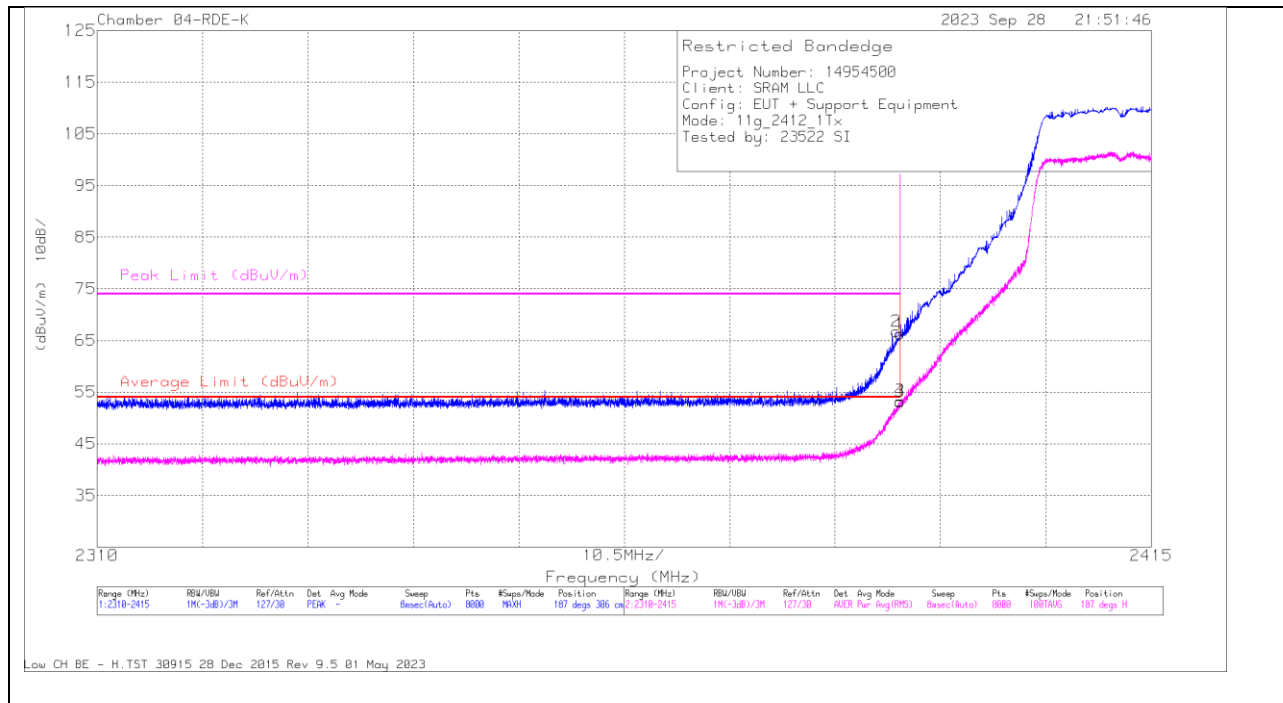
MAv1 - KDB558074 Option 1 Maximum RMS Average

10.1.2. TX ABOVE 1 GHz 802.11g MODE IN THE 2.4 GHz BAND

1TX Antenna 1 MODE

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT

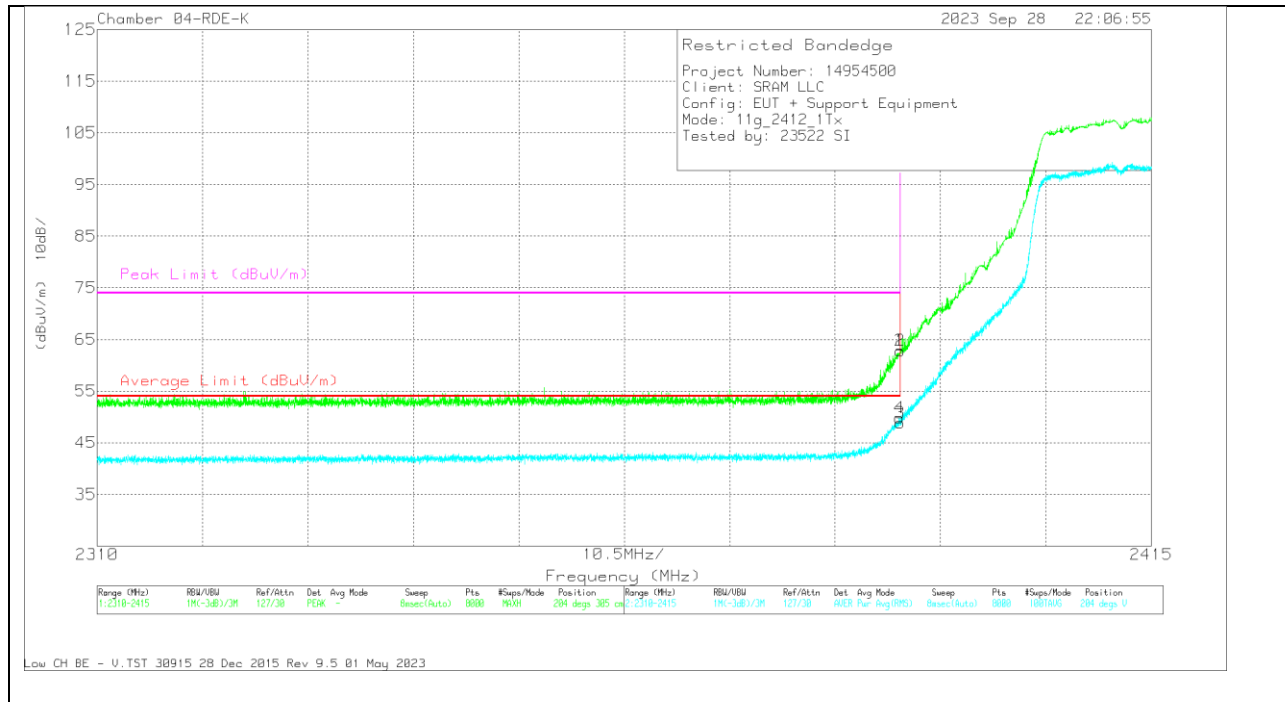


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF 3m (dB/m)	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	68.97	Pk	31.8	-34.5	66.27	-	-	74	-7.73	187	306	H
2	* 2389.615	69.45	Pk	31.8	-34.5	66.75	-	-	74	-7.25	187	306	H
3	* 2390	55.97	RMS	31.8	-34.5	53.27	54	-7.3	-	-	187	306	H
4	* 2389.996	55.87	RMS	31.8	-34.5	53.17	54	-8.3	-	-	187	306	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK - Peak detector
RMS - RMS detection

VERTICAL RESULT



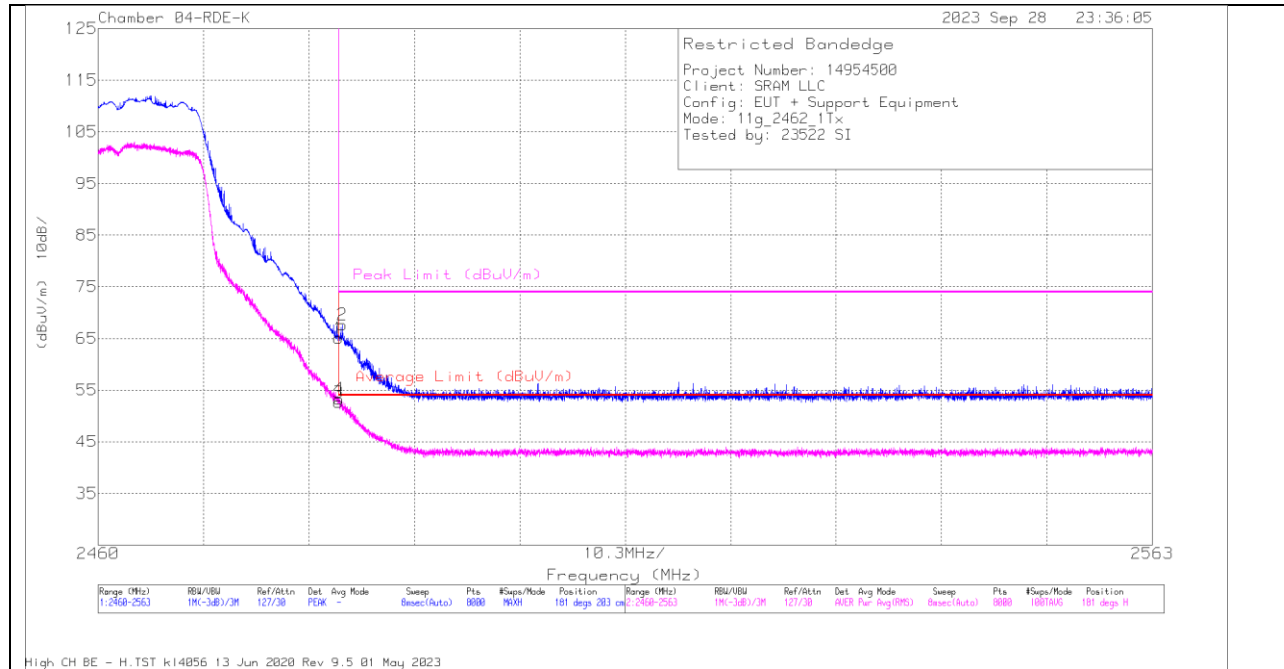
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF 3m (dB/m)	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	65.51	PK	31.8	-34.5	62.81	-	-	74	-11.19	204	305	V
2	* 2389.996	65.5	PK	31.8	-34.5	62.8	-	-	74	-11.2	204	305	V
3	* 2390	51.55	RMS	31.8	-34.5	49.85	54	-5.15	-	-	204	305	V
4	* 2389.917	52.52	RMS	31.8	-34.5	49.82	54	-4.18	-	-	204	305	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK - Peak detector
RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT

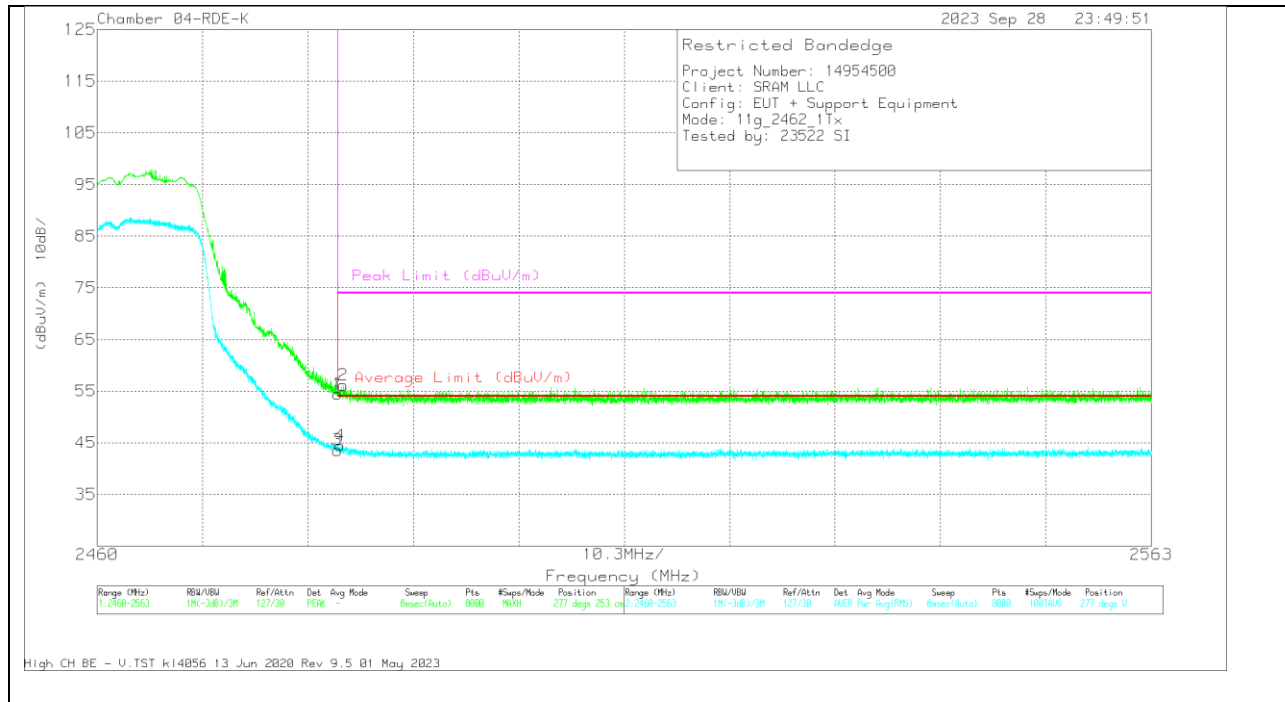


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF 3m (dB/m)	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	66.95	PK	32.2	-34.1	65.05	-	-	74	-8.95	181	203	H
2	* 2483.848	69.52	PK	32.2	-34.1	67.62	-	-	74	-6.38	181	203	H
3	* 2483.5	54.53	RMS	32.2	-34.1	52.63	54	-1.37	-	-	181	203	H
4	* 2483.526	55.17	RMS	32.2	-34.1	53.27	54	-1.73	-	-	181	203	H

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

VERTICAL RESULT



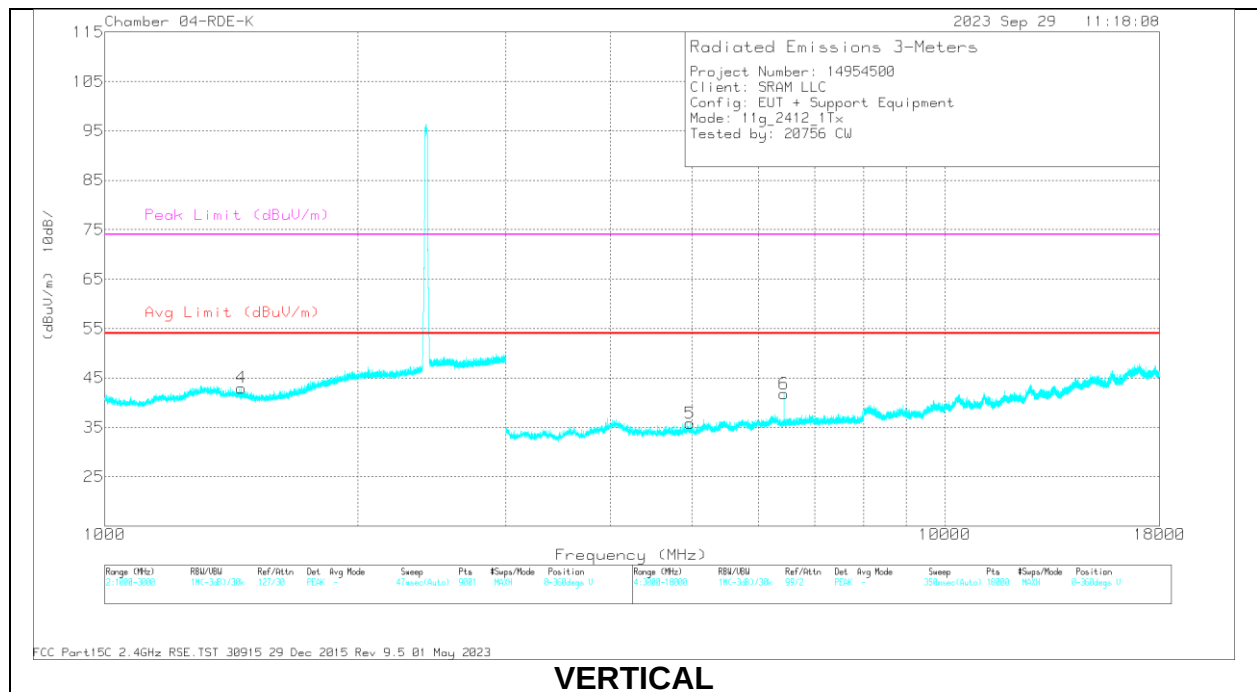
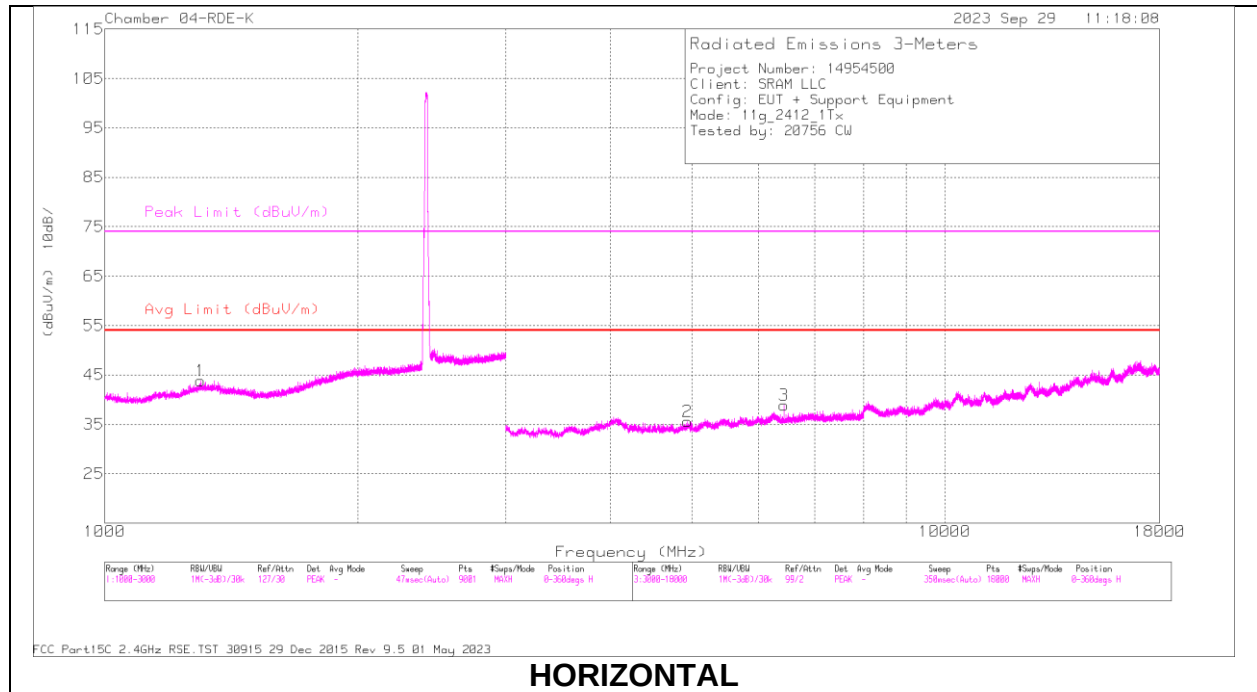
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF 3m (dB/m)	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	56.36	Pk	32.2	-34.1	54.46	-	-	74	-19.54	277	253	V
2	* 2484.028	58.01	Pk	32.2	-34.1	56.11	-	-	74	-17.89	277	253	V
3	* 2483.5	45.48	RMS	32.2	-34.1	43.58	54	-10.42	-	-	277	253	V
4	* 2483.732	46.37	RMS	32.2	-34.1	44.47	54	-9.53	-	-	277	253	V

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

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS



RADIATED EMISSIONS

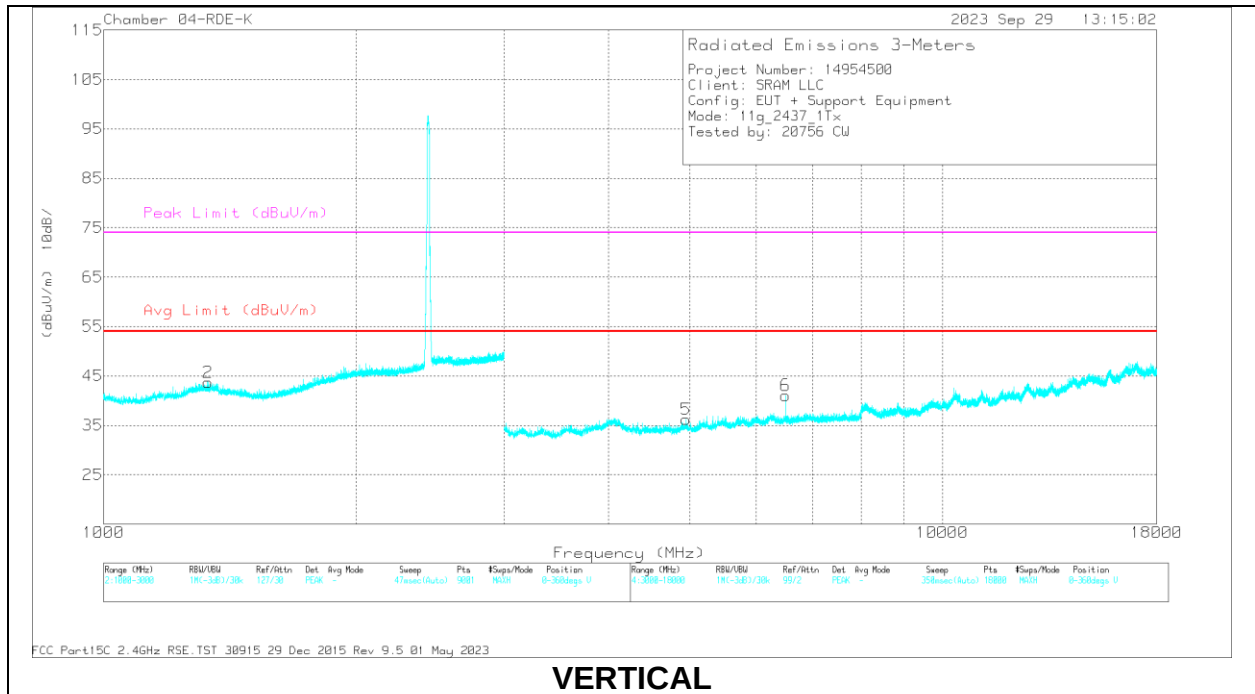
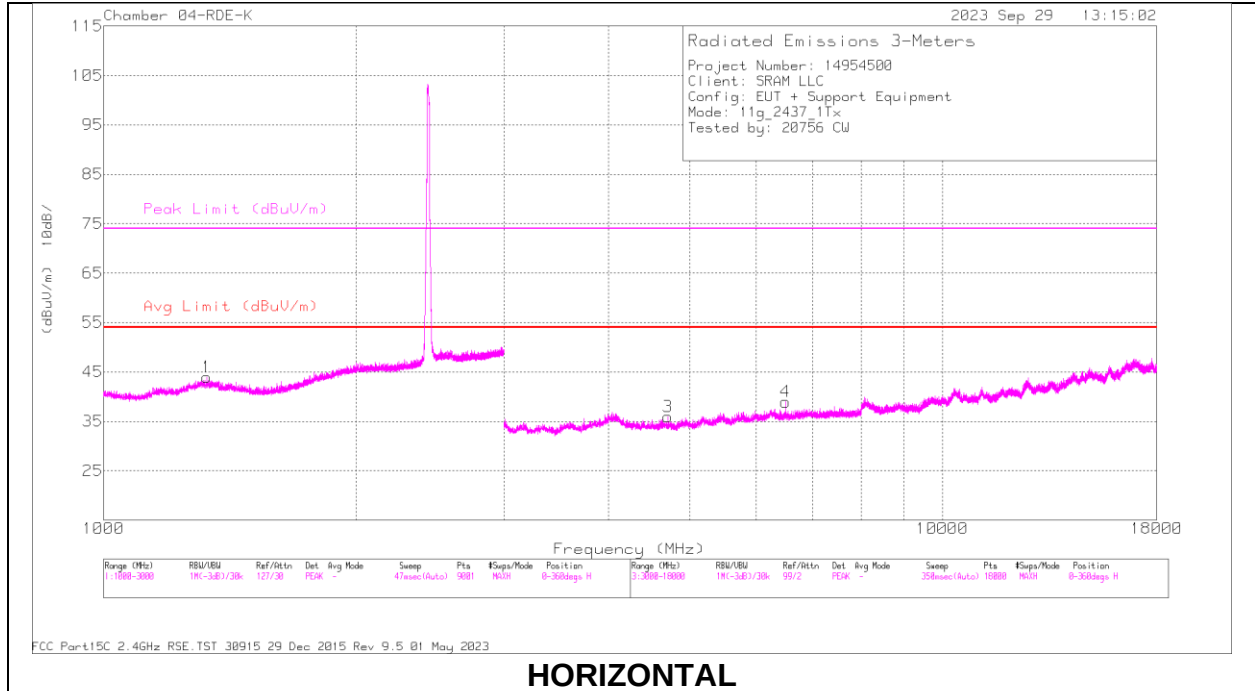
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF 3m (dB/m)	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1302.569	59.84	PK2	29	-36.3	52.54	-	-	74	-21.46	225	287	H
	* 1300.476	48.4	MAv1	29	-36.3	41.1	54	-12.9	-	-	225	287	H
4	* 1453.528	59.36	PK2	28.4	-36	51.76	-	-	74	-22.24	352	255	V
	* 1452.4	48.03	MAv1	28.4	-36	40.43	54	-13.57	-	-	352	255	V
2	* 4941.298	53.93	PK2	33.7	-39.7	47.93	-	-	74	-26.07	244	152	H
	* 4942.701	39.9	MAv1	33.7	-39.8	33.8	54	-20.2	-	-	244	152	H
3	6431.743	51.04	PK2	35.4	-38.3	48.14	-	-	-	-	168	206	H
	6431.862	39.46	MAv1	35.4	-38.3	36.56	-	-	-	-	168	206	H
5	* 4969.739	51.1	PK2	33.8	-39.8	45.1	-	-	74	-28.9	352	206	V
	* 4969.456	39.58	MAv1	33.8	-39.8	33.58	54	-20.42	-	-	352	206	V
6	6431.984	52.39	PK2	35.4	-38.3	49.49	-	-	-	-	187	113	V
	6432.012	44.5	MAv1	35.4	-38.3	41.6	-	-	-	-	187	113	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL, CH 6 RESULTS



RADIATED EMISSIONS

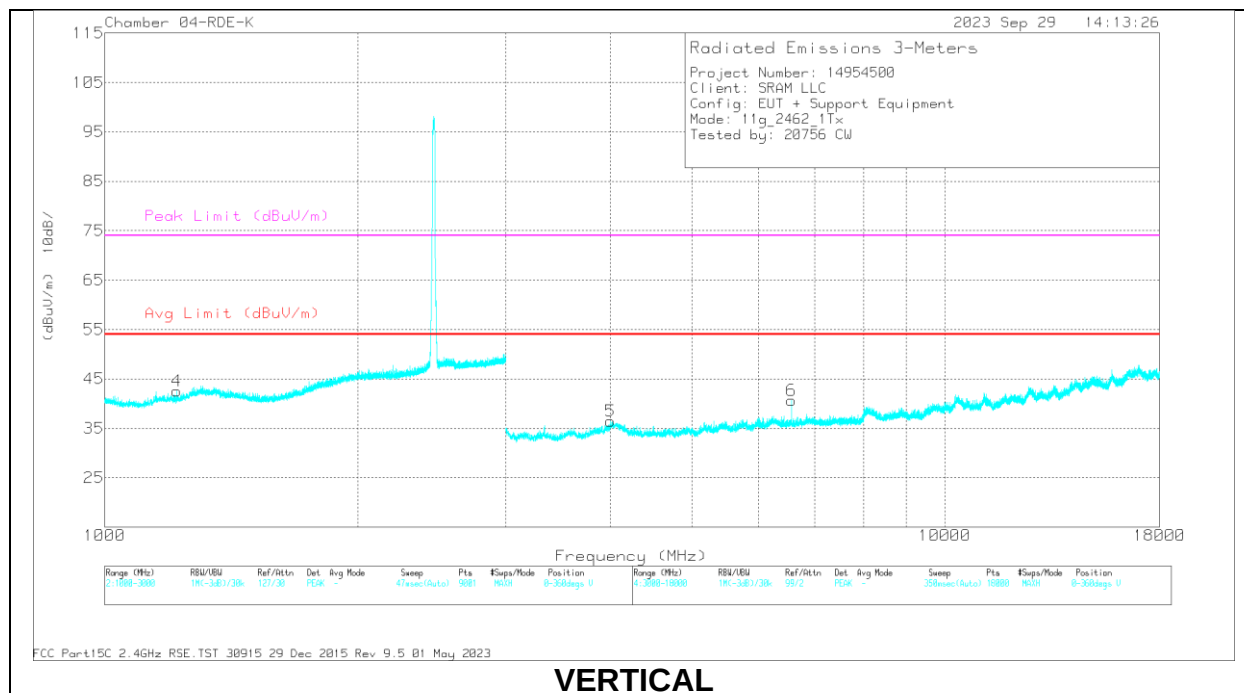
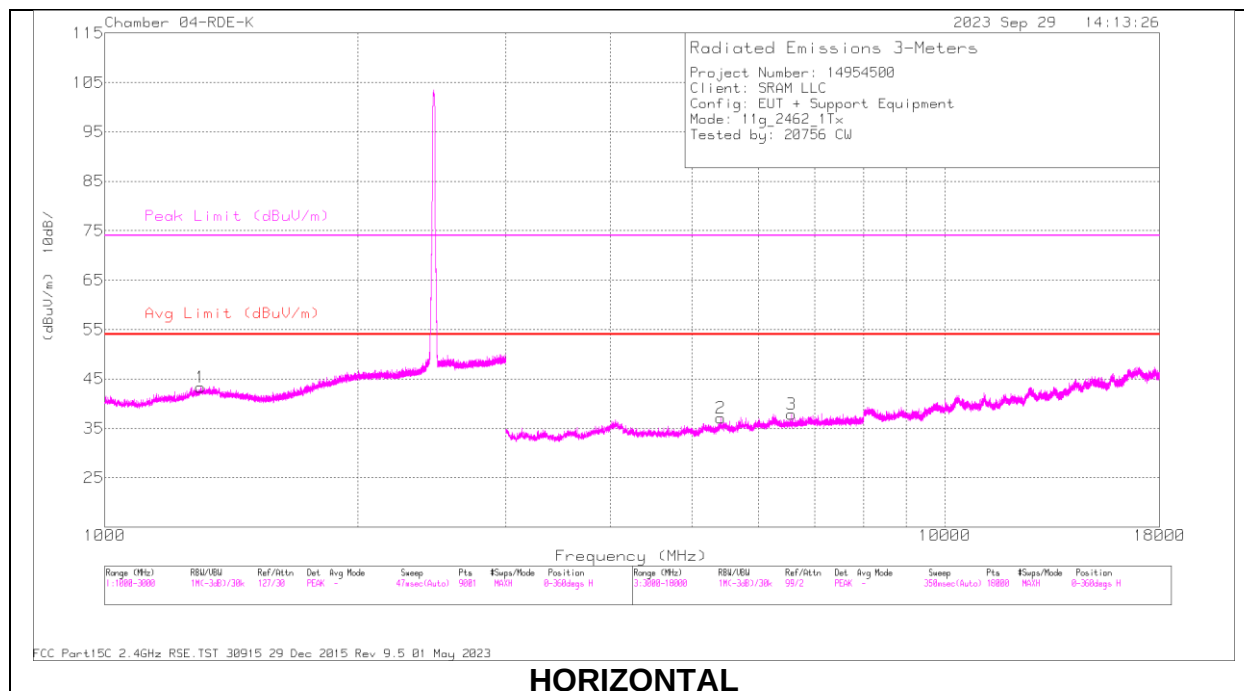
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF 3m (dB/m)	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1326.329	59.54	PK2	29	-36.1	52.44	-	-	74	-21.56	237	360	H
	* 1328.021	48.16	MAv1	29	-36.1	41.06	54	-12.94	-	-	237	360	H
2	* 1334.861	60.06	PK2	29	-36	53.06	-	-	74	-20.94	332	142	V
	* 1334.917	47.97	MAv1	29	-36	40.97	54	-13.03	-	-	332	142	V
3	* 4703.977	51.71	PK2	33.8	-40.7	44.81	-	-	74	-29.19	240	323	H
	* 4703.687	40.02	MAv1	33.8	-40.7	33.12	54	-20.88	-	-	240	323	H
4	6498.387	51.69	PK2	35.5	-38.2	48.99	-	-	-	-	165	101	H
	6498.645	41.77	MAv1	35.5	-38.2	39.07	-	-	-	-	165	101	H
5	* 4948.991	52.24	PK2	33.7	-39.8	46.14	-	-	74	-27.86	83	364	V
	* 4949.042	39.93	MAv1	33.7	-39.8	33.83	54	-20.17	-	-	83	364	V
6	6498.853	51.93	PK2	35.5	-38.2	49.23	-	-	-	-	188	103	V
	6498.544	43.96	MAv1	35.5	-38.2	41.26	-	-	-	-	188	103	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL, CH 11 RESULTS



RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF 3m (dB/m)	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1300.027	59.88	PK2	29	-36.3	52.58	-	-	74	-21.42	9	115	H
	* 1300.02	48.42	MAv1	29	-36.3	41.12	54	-12.88	-	-	9	115	H
4	* 1216.47	59.87	PK2	28.5	-36.5	51.87	-	-	74	-22.13	211	119	V
	* 1213.903	47.95	MAv1	28.5	-36.6	39.85	54	-14.15	-	-	211	119	V
2	* 5411.198	50.85	PK2	34.6	-39.1	46.35	-	-	74	-27.65	27	130	H
	* 5411.701	38.94	MAv1	34.6	-39.1	34.44	54	-19.56	-	-	27	130	H
3	6565.077	50.16	PK2	35.5	-38.2	47.46	-	-	-	-	164	110	H
	6565.251	40.76	MAv1	35.5	-38.2	38.06	-	-	-	-	164	110	H
5	* 4001.342	52.31	PK2	35.1	-41.3	46.11	-	-	74	-27.89	22	330	V
	* 4001.436	40.68	MAv1	35.1	-41.3	34.48	54	-19.52	-	-	22	330	V
6	6565.146	51.1	PK2	35.5	-38.2	48.4	-	-	-	-	281	278	V
	6565.219	42.67	MAv1	35.5	-38.2	39.97	-	-	-	-	281	278	V

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

PK2 - KDB558074 Method: Maximum Peak

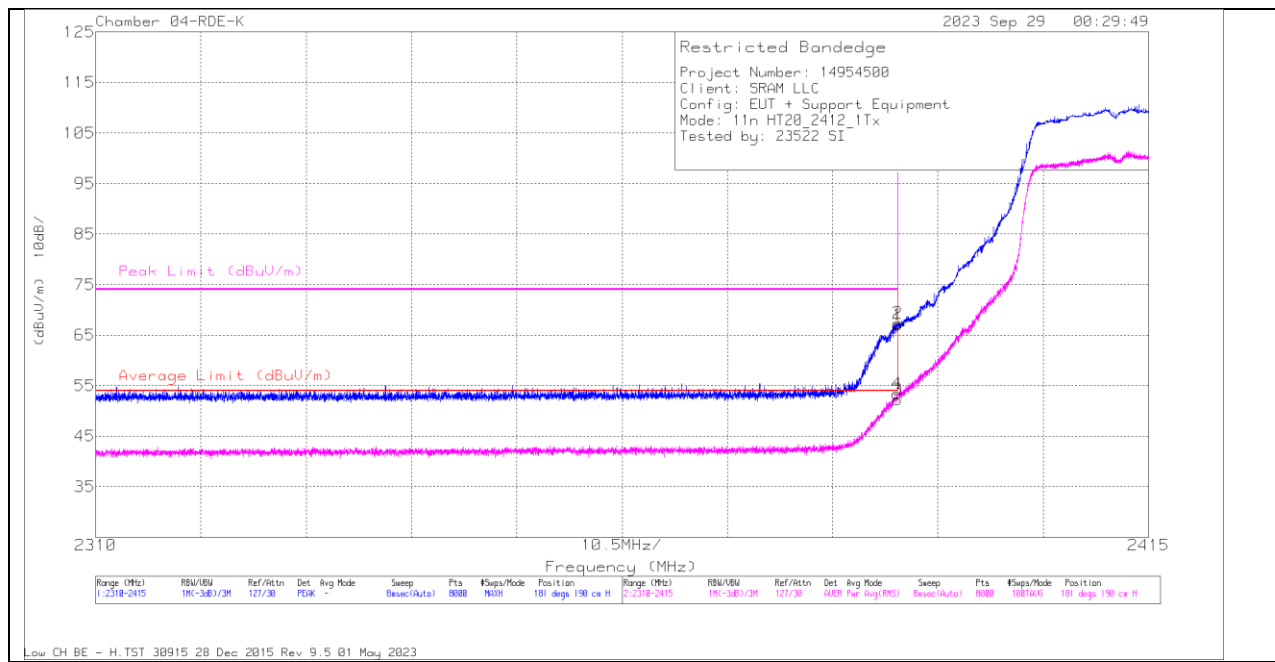
MAv1 - KDB558074 Option 1 Maximum RMS Average

10.1.3. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 2.4 GHz BAND

1TX Antenna 1 MODE

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT

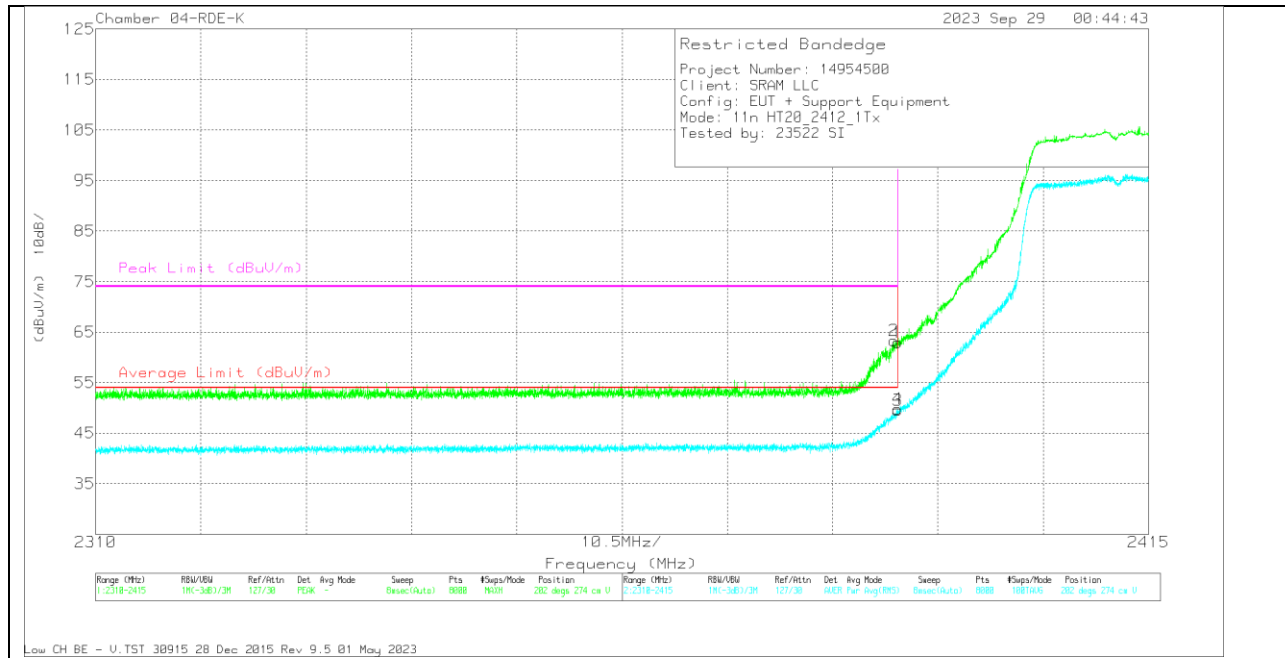


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF 3m (dB/m)	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	69.71	Pk	31.8	-34.5	67.01	-	-	74	-6.99	181	190	H
2	* 2389.957	70.06	Pk	31.8	-34.5	67.36	-	-	74	-6.64	181	190	H
3	* 2390	54.92	RMS	31.8	-34.5	52.22	54	-1.78	-	-	181	190	H
4	* 2389.891	56.14	RMS	31.8	-34.5	53.44	54	-56	-	-	181	190	H

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

VERTICAL RESULT



Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF 3m (dB/m)	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	65.69	Pk	31.8	-34.5	62.99	-	-	74	-11.01	202	274	V
2	* 2389.615	66.06	Pk	31.8	-34.5	63.36	-	-	74	-10.64	202	274	V
3	* 2390	52.2	RMS	31.8	-34.5	49.5	54	-4.5	-	-	202	274	V
4	* 2389.996	52.46	RMS	31.8	-34.5	49.76	54	-4.24	-	-	202	274	V

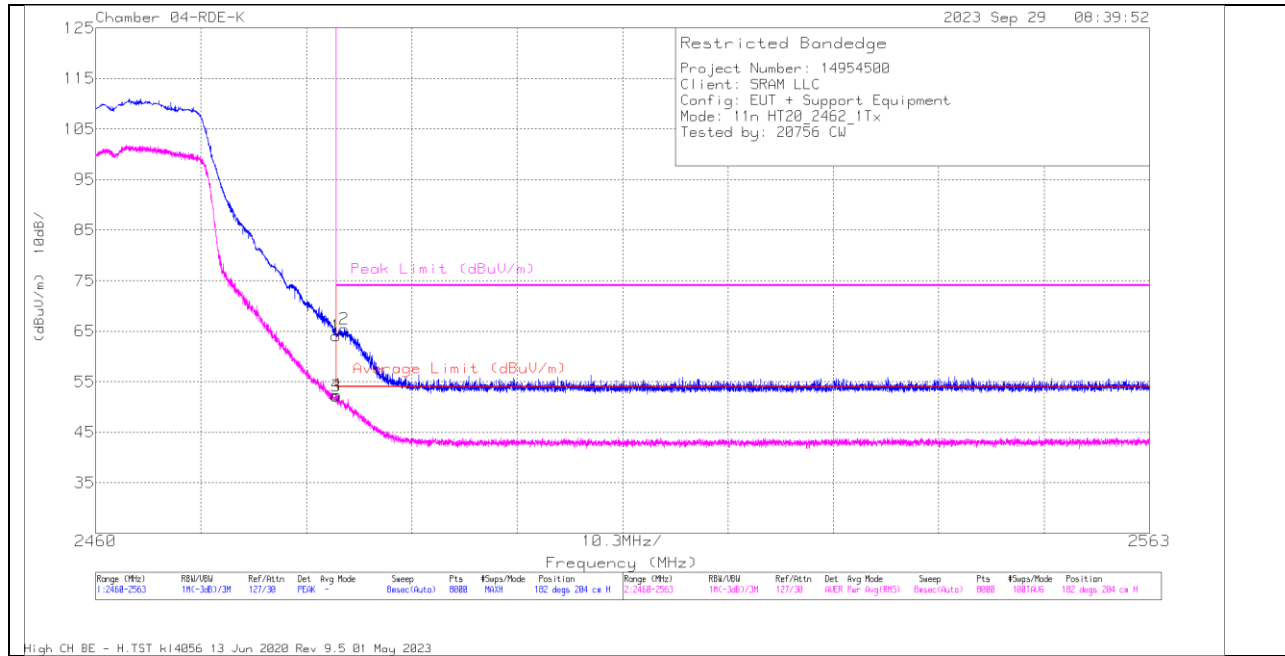
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF 3m (dBm)	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	66	Pk	32.2	-34.1	64.1	-	-	74	-9.9	182	204	H
2	* 2484.312	67.29	PK	32.2	-34.1	65.39	-	-	74	-8.61	182	204	H
3	* 2483.5	54	RMS	32.2	-34.1	52.1	54	-1.9	-	-	182	204	H
4	* 2483.565	54.31	RMS	32.2	-34.1	52.41	54	-1.59	-	-	182	204	H

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

Chamber 04-RDE-K

2023 Sep 29 08:49:04

Restricted Bandedge

Project Number: 14954500

Client: SRAM LLC

Config: EUT + Support Equipment

Mode: 11n HT20_2462_1Tx

Tested by: 20756 CW

10dB/ (dBuV/m)

Peak Limit (dBuV/m)

Average Limit (dBuV/m)

Frequency (MHz)

Range (MHz) 2450-2563

RBW/UBW 1MHz-3MHz/3M

Ref/AltIn 127/30

Det. Avg Mode PEAK -

Sweep Basic(Auto)

Pts 8000

#Sups/Mode 1600

Position 197 degs 291 cc U

Range (MHz) 2450-2563

RBW/UBW 1MHz-3MHz/3M

Ref/AltIn 127/30

Det. Avg Mode BUCK Per Avg(BSS)

Sweep Basic(Auto)

Pts 8000

#Sups/Mode 1600

Position 197 degs 291 cc U

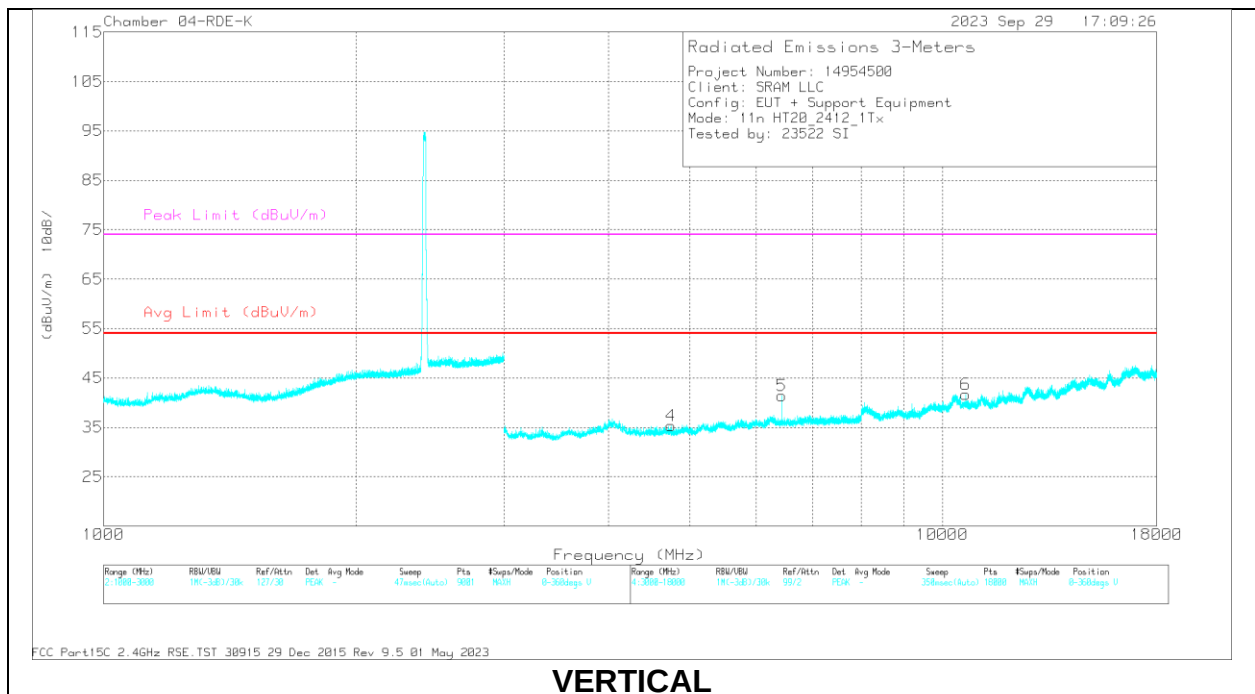
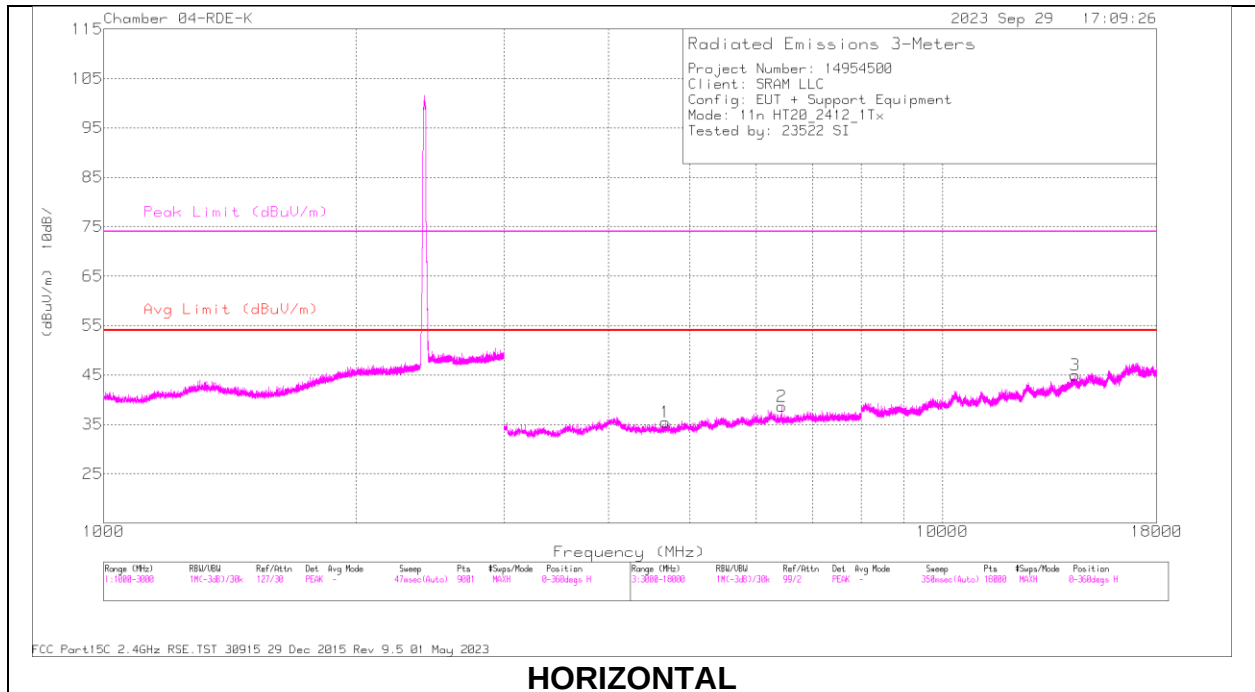
High CH BE - U.TST K14056 13 Jun 2020 Rev 9.5 01 May 2023

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF 3m (dBfm)	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2483.5	64.5	Pk	32.2	-34.1	62.6	-	-	74	-11.4	197	291	V
2	* 2484.247	64.83	Pk	32.2	-34.1	62.93	-	-	74	-11.07	197	291	V
3	* 2483.5	51.82	RMS	32.2	-34.1	49.92	54	-4.08	-	-	197	291	V
4	* 2483.501	51.81	RMS	32.2	-34.1	49.91	54	-4.09	-	-	197	291	V

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HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS



RADIATED EMISSIONS

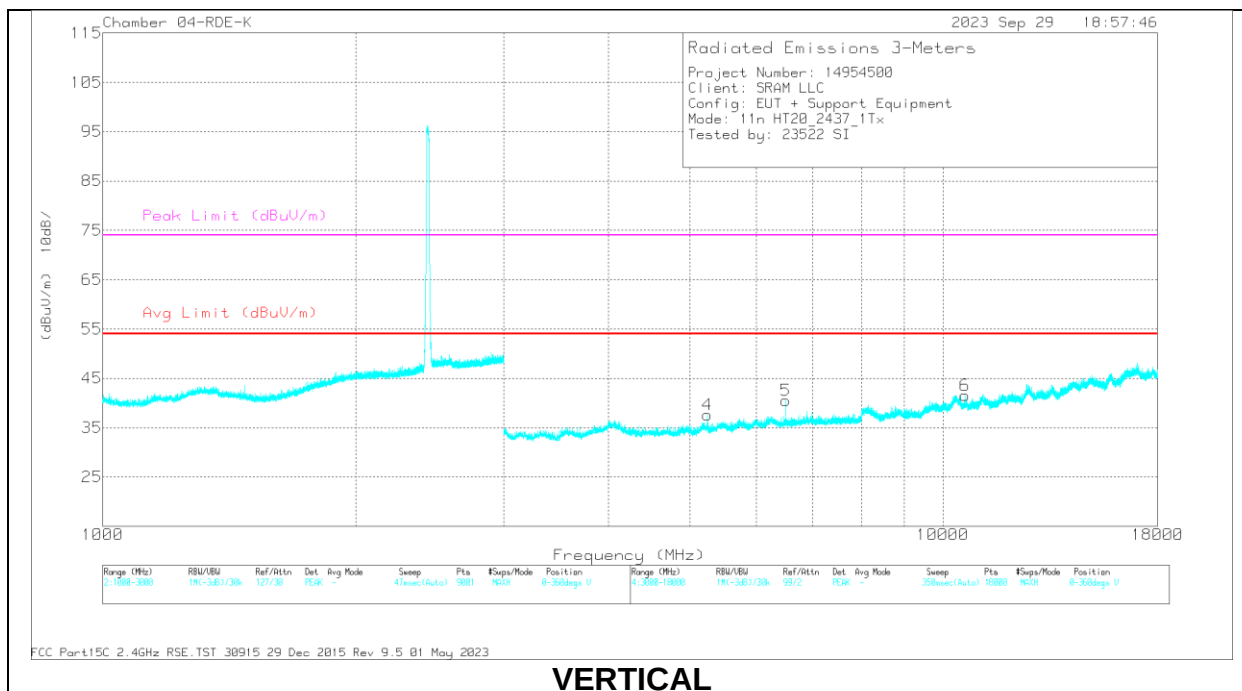
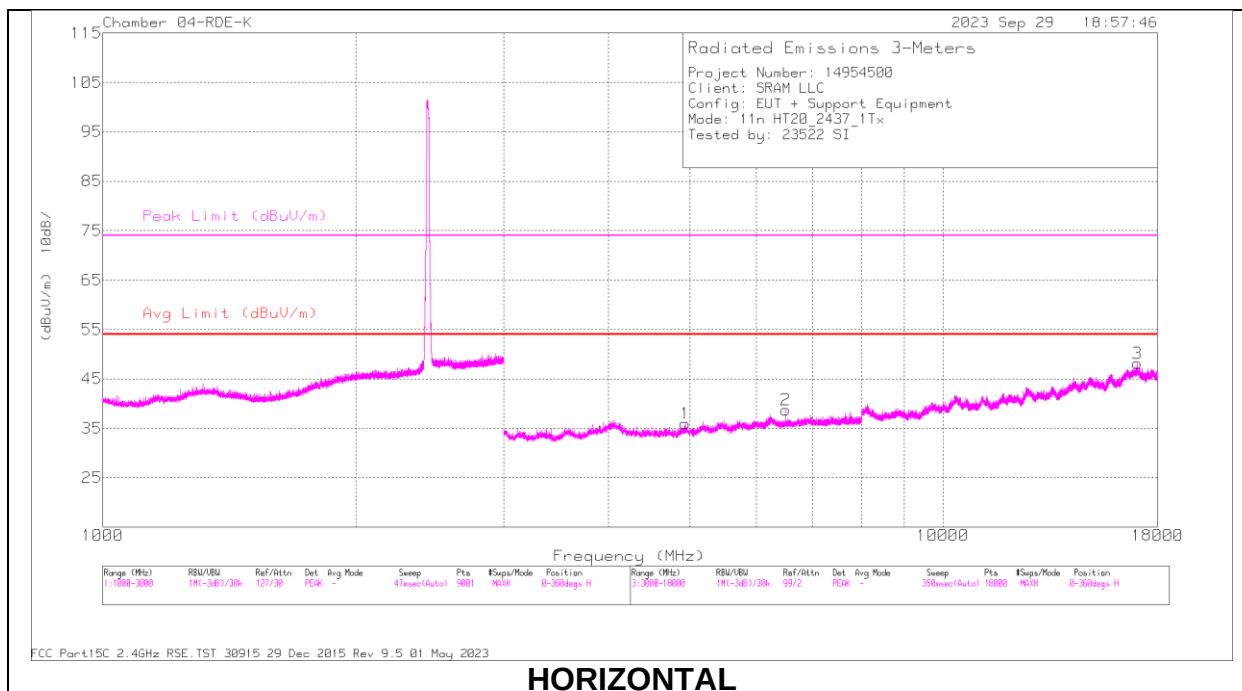
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF 3m (dB/m)	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4669.427	51.84	PK2	33.8	-40.8	44.84	-	-	74	-29.16	251	284	H
	* 4668.77	40.1	MAv1	33.8	-40.8	33.1	54	-20.9	-	-	251	284	H
2	6431.929	51.05	PK2	35.4	-38.3	48.15	-	-	-	-	168	109	H
	6431.939	42.01	MAv1	35.4	-38.3	39.11	-	-	-	-	168	109	H
3	14392.714	46.85	PK2	39.4	-33.5	52.75	-	-	-	-	8	190	H
	14391.488	35.97	MAv1	39.4	-33.5	41.87	-	-	-	-	8	190	H
4	* 4746.165	51.03	PK2	33.7	-40.3	44.43	-	-	74	-29.57	188	394	V
	* 4746.693	39.75	MAv1	33.7	-40.3	33.15	54	-20.85	-	-	188	394	V
5	6431.866	51.52	PK2	35.4	-38.3	48.62	-	-	-	-	188	129	V
	6431.908	44.19	MAv1	35.4	-38.3	41.29	-	-	-	-	188	129	V
6	* 10661.802	48.45	PK2	37.9	-35.5	50.85	-	-	74	-23.15	20	365	V
	* 10658.582	36.82	MAv1	37.9	-35.5	39.22	54	-14.78	-	-	20	365	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL, CH 6 RESULTS



RADIATED EMISSIONS

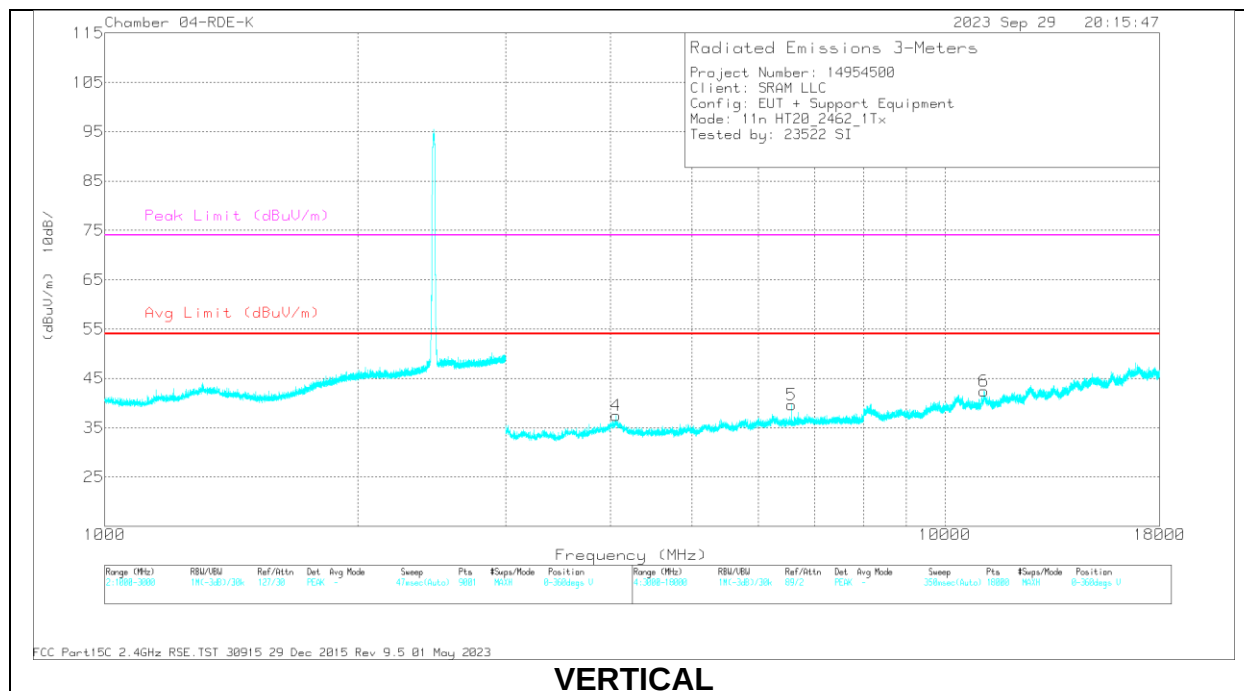
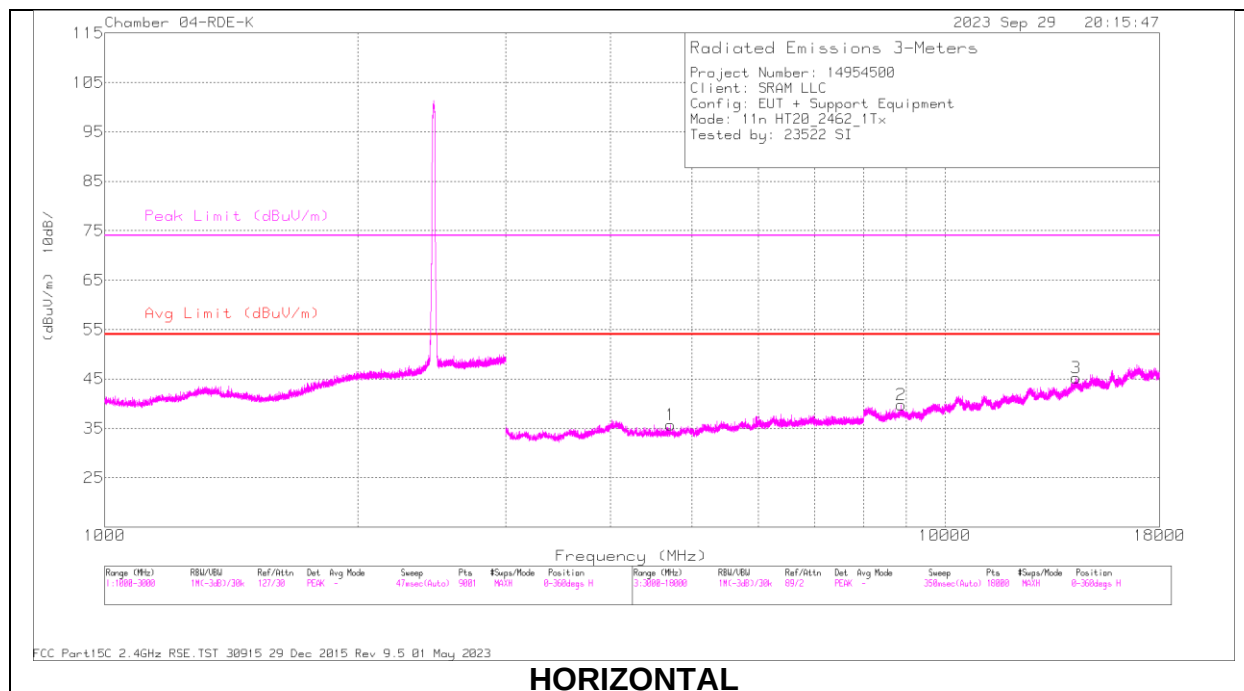
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF 3m (dB/m)	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4935.669	51.54	PK2	33.7	-39.8	45.44	-	-	74	-28.56	220	121	H
	* 4935.809	39.6	MAV1	33.7	-39.8	33.5	54	-20.5	-	-	220	121	H
2	6498.561	50.25	PK2	35.5	-38.2	47.55	-	-	-	-	205	162	H
	6498.566	39.53	MAV1	35.5	-38.2	36.83	-	-	-	-	205	162	H
3	17034.054	46.16	PK2	41.6	-31.5	56.26	-	-	-	-	87	115	H
	17034.745	34.32	MAV1	41.6	-31.5	44.42	-	-	-	-	87	115	H
4	5240.988	51.11	PK2	34.3	-39.5	45.91	-	-	-	-	159	162	V
	5241.13	39.12	MAV1	34.3	-39.5	33.92	-	-	-	-	159	162	V
5	6498.303	51.26	PK2	35.5	-38.2	48.56	-	-	-	-	17	176	V
	6498.558	42.7	MAV1	35.5	-38.2	40	-	-	-	-	17	176	V
6	* 10618.186	48.44	PK2	37.9	-35.9	50.44	-	-	74	-23.56	251	362	V
	* 10618.596	37.06	MAV1	37.9	-35.9	39.06	54	-14.94	-	-	251	362	V

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

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL, CH 11 RESULTS



RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF 3m (dB/m)	Cbl/Amp (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4709.132	51.82	PK2	33.8	-40.6	45.02	-	-	74	-28.98	205	228	H
	* 4712.198	40.12	MAv1	33.8	-40.5	33.42	54	-20.58	-	-	205	228	H
2	8873.044	48.8	PK2	36	-36.4	48.4	-	-	-	-	25	371	H
	8871.545	37.53	MAv1	36	-36.3	37.23	-	-	-	-	25	371	H
3	14333.114	48.31	PK2	39.4	-34	53.71	-	-	-	-	246	398	H
	14332.891	36.5	MAv1	39.4	-34	41.9	-	-	-	-	246	398	H
4	* 4057.318	52.96	PK2	35.2	-41.2	46.96	-	-	74	-27.04	351	286	V
	* 4055.177	40.9	MAv1	35.2	-41.4	34.7	54	-19.3	-	-	351	286	V
5	6565.208	51.36	PK2	35.5	-38.2	48.66	-	-	-	-	27	167	V
	6565.399	42.73	MAv1	35.5	-38.2	40.03	-	-	-	-	27	167	V
6	* 11133.892	48.91	PK2	38	-35.2	51.71	-	-	74	-22.29	342	360	V
	* 11132.966	37.16	MAv1	38	-35.3	39.86	54	-14.14	-	-	342	360	V

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

PK2 - KDB558074 Method: Maximum Peak

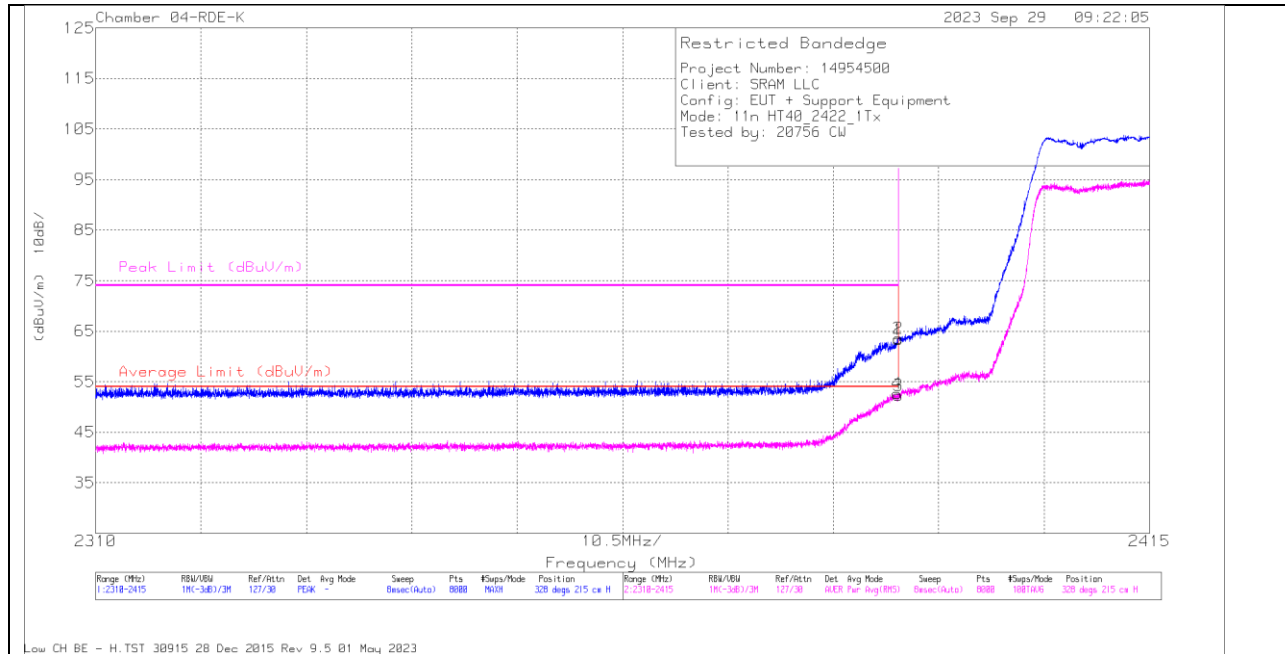
MAv1 - KDB558074 Option 1 Maximum RMS Average

10.1.4. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 2.4 GHz BAND

1TX Antenna 1 MODE

BANDEDGE (LOW CHANNEL, CH 3)

HORIZONTAL RESULT



Trace Markers

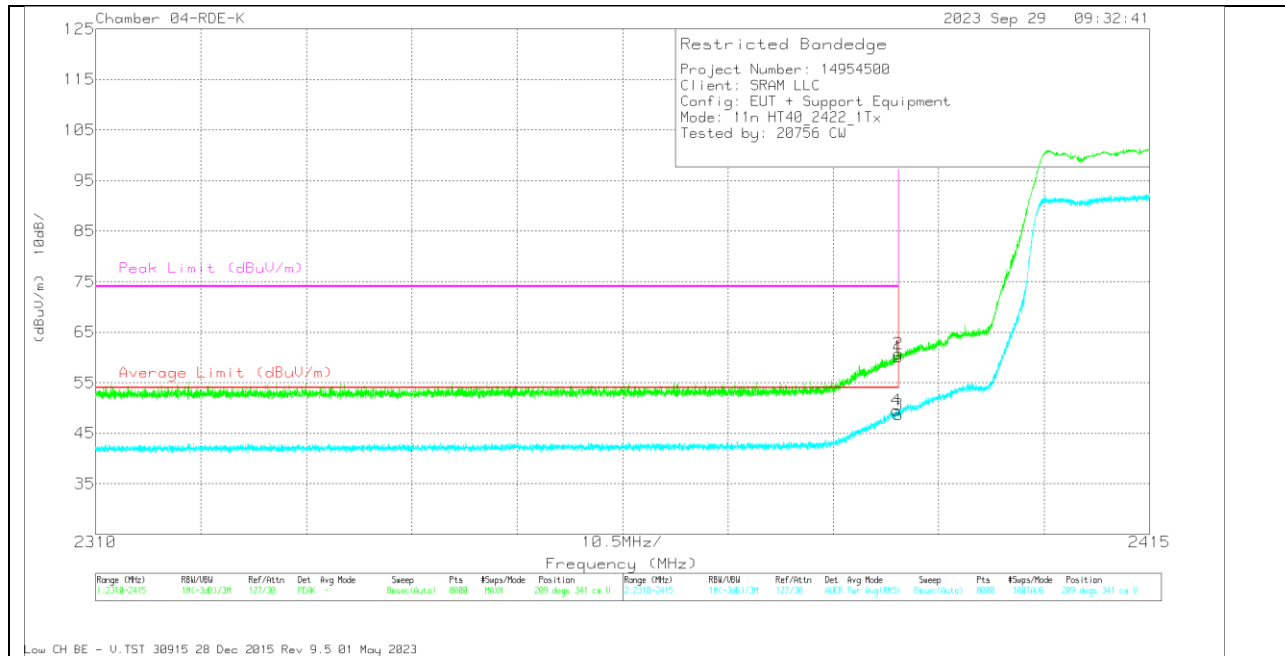
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223003 ACF 3m (dBm)	CBI(Amp (dB)	DCCC (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	66.07	Pk	31.8	-34.5	0	63.37	-	-	74	-10.63	328	215	H
2	* 2389.983	66.26	Pk	31.8	-34.5	0	63.56	-	-	74	-10.44	328	215	H
3	* 2390	54.73	RMS	31.8	-34.5	-23	52.26	54	-1.74	-	-	328	215	H
4	* 2389.838	55.1	RMS	31.8	-34.5	23	52.63	54	-1.37	-	-	328	215	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

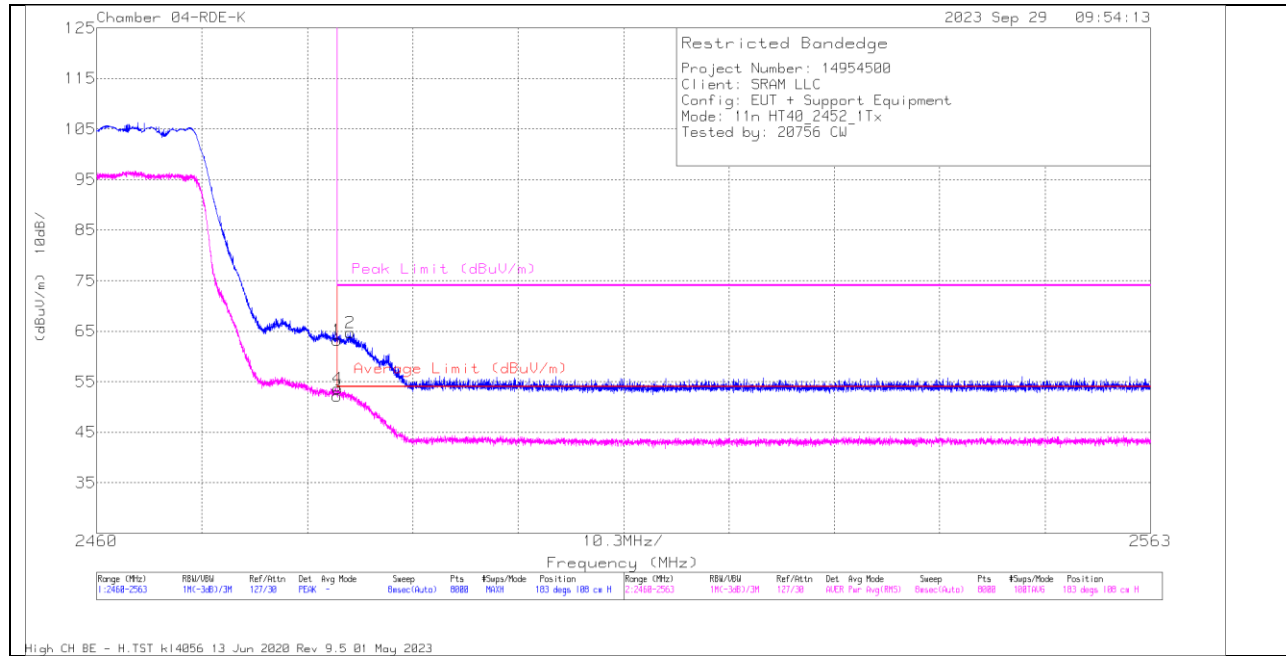


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	22083 ACF 3m (dBm)	CBI/Amp (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2390	62.85	Pk	31.8	-34.5	0	60.15	-	-	74	-13.85	209	341	V
2	* 2389.957	63.46	Pk	31.8	-34.5	0	60.76	-	-	74	-13.24	209	341	V
3	* 2390	51.15	RMS	31.8	-34.5	23	48.68	54	-5.32	-	-	209	341	V
4	* 2389.812	51.96	RMS	31.8	-34.5	23	49.49	54	-4.51	-	-	209	341	V

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

BANDEDGE (HIGH CHANNEL, CH 9)

HORIZONTAL RESULT

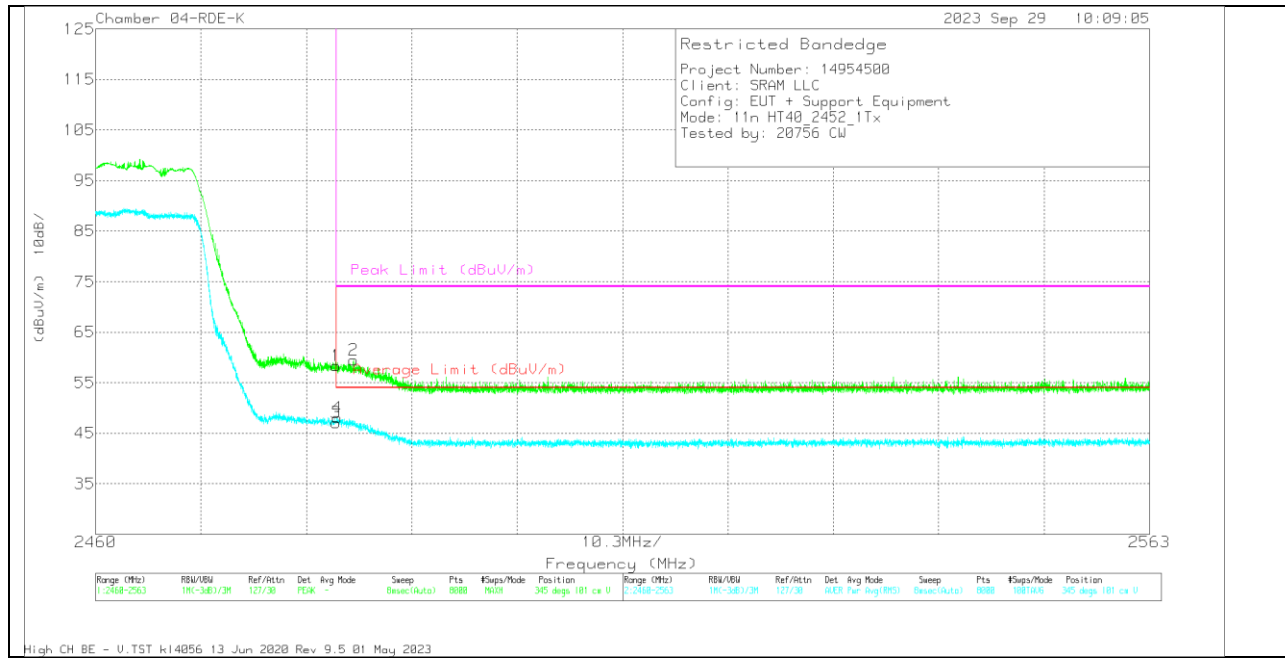


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF 3m (dBm)	CBI(Amp (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2483.5	65.08	PK	32.2	-34.1	0	63.18	-	-	74	-10.82	183	108	H
2	* 2484.775	66.56	PK	32.2	-34.1	0	64.66	-	-	74	-9.34	183	108	H
3	* 2483.5	53.86	RMS	32.2	-34.1	23	52.19	54	-1.81	-	-	183	108	H
4	* 2483.578	55.3	RMS	32.2	-34.1	23	53.63	54	-37	-	-	183	108	H

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

VERTICAL RESULT



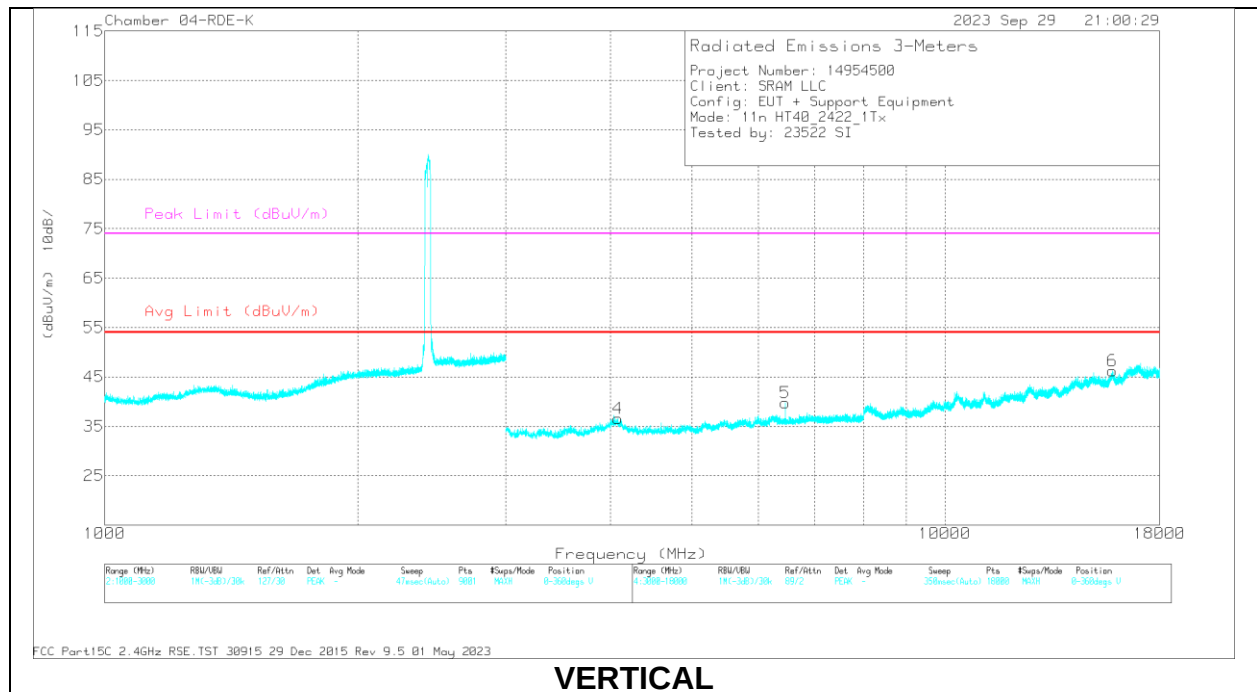
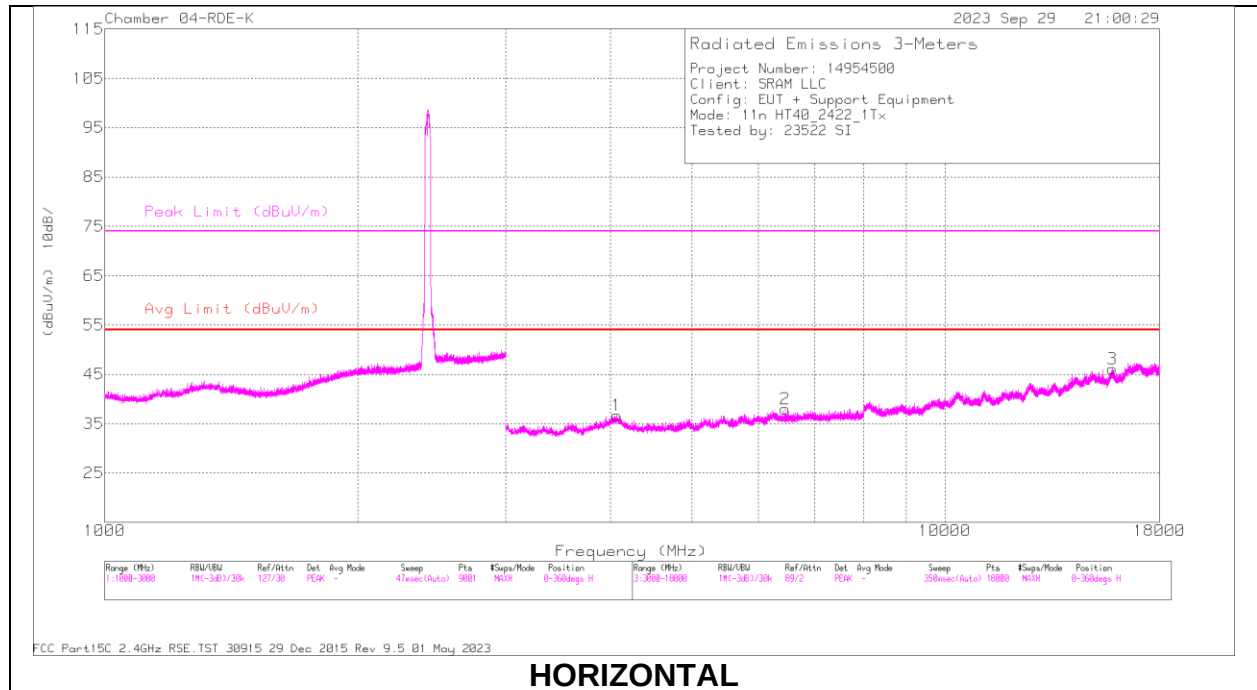
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF 3m (dBm)	CBI/Amp (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2483.5	60.22	Pk	32.2	-34.1	0	58.32	-	-	74	-15.68	345	101	V
2	* 2485.187	61.37	Pk	32.2	-34.1	0	59.47	-	-	74	-14.53	345	101	V
3	* 2483.5	48.72	RMS	32.2	-34.1	23	47.05	54	-6.95	-	-	345	101	V
4	* 2483.604	49.78	RMS	32.2	-34.1	23	48.11	54	-5.89	-	-	345	101	V

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

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 3 RESULTS



RADIATED EMISSIONS

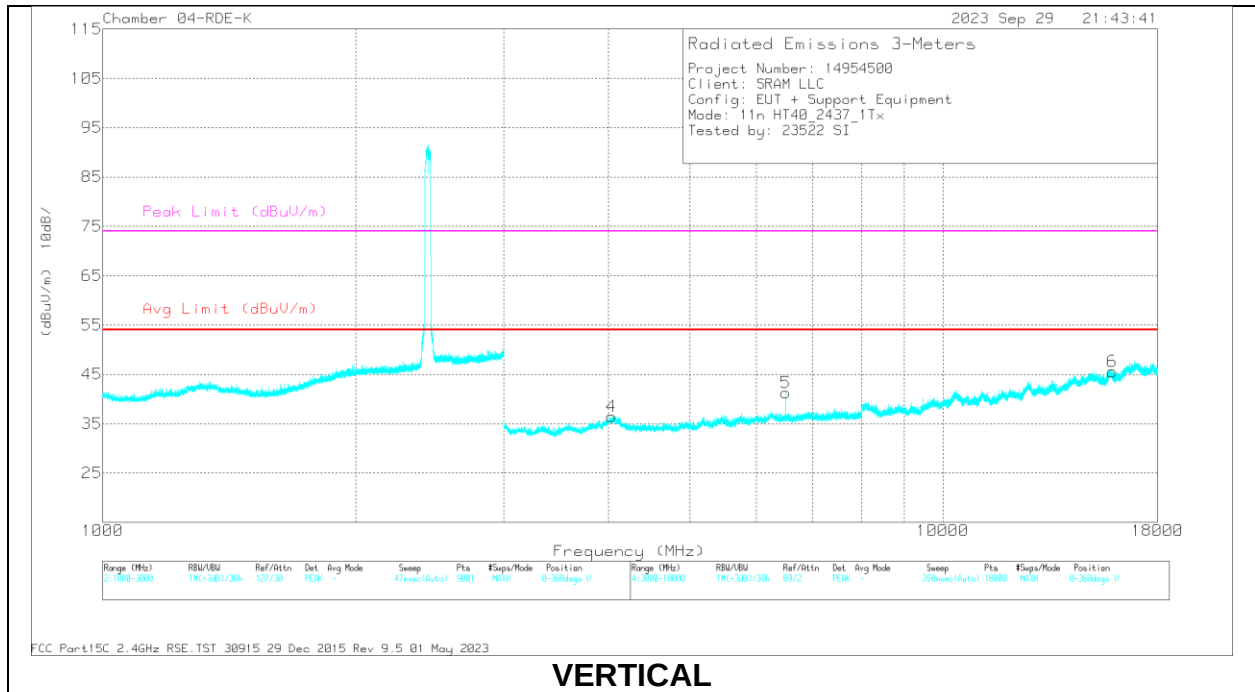
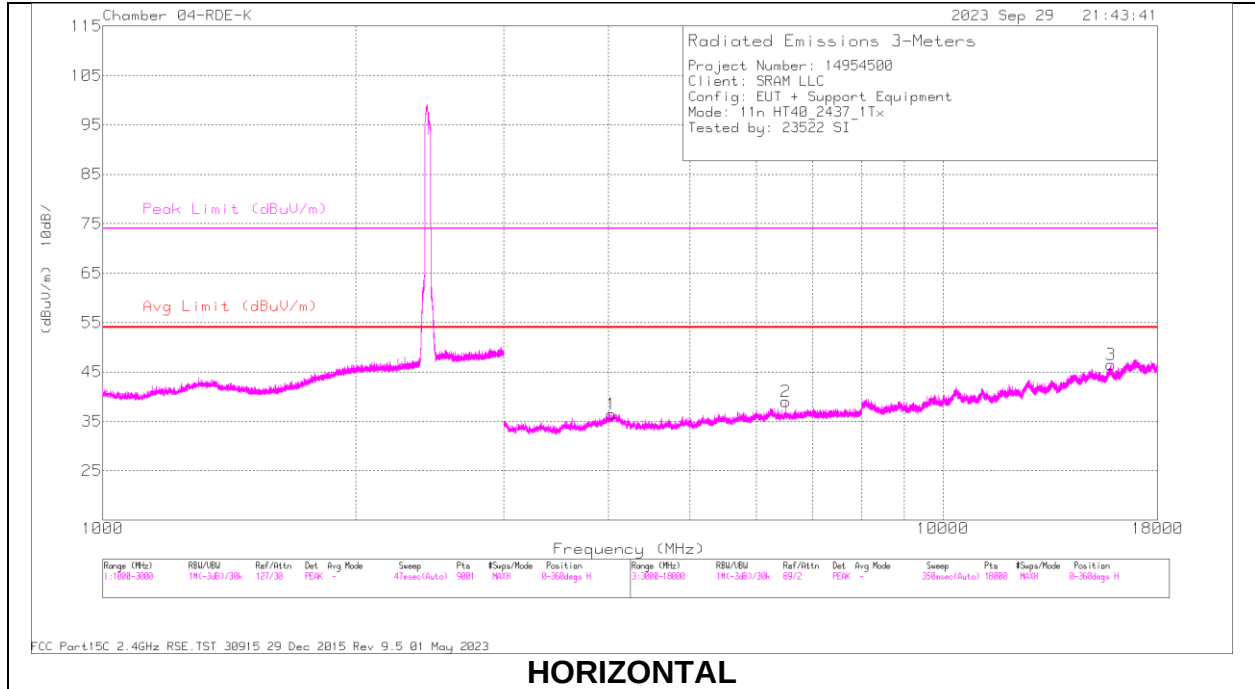
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF 3m (dB/m)	Cbl/Amp (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4069.383	52.48	PK2	35.2	-41.3	0	46.38	-	-	74	-27.62	8	281	H
	* 4068.853	41.1	MAv1	35.2	-41.3	.23	35.23	54	-18.77	-	-	8	281	H
2	6458.524	50.69	PK2	35.4	-38.3	0	47.79	-	-	-	-	270	103	H
	6458.588	41.45	MAv1	35.4	-38.3	.23	38.78	-	-	-	-	270	103	H
3	* 15830.618	47.32	PK2	40.2	-31.6	0	55.92	-	-	74	-18.08	224	232	H
	* 15829.357	35.06	MAv1	40.2	-31.7	.23	43.79	54	-10.21	-	-	224	232	H
4	* 4079.419	52.39	PK2	35.1	-41.3	0	46.19	-	-	74	-27.81	244	109	V
	* 4077.162	40.7	MAv1	35.1	-41.2	.23	34.83	54	-19.17	-	-	244	109	V
5	6458.547	51.34	PK2	35.4	-38.3	0	48.44	-	-	-	-	202	207	V
	6458.513	42.75	MAv1	35.4	-38.3	.23	40.08	-	-	-	-	202	207	V
6	* 15814.435	46.47	PK2	40.2	-31.8	0	54.87	-	-	74	-19.13	45	359	V
	* 15812.488	35.26	MAv1	40.2	-31.9	.23	43.79	54	-10.21	-	-	45	359	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL, CH 6 RESULTS



RADIATED EMISSIONS

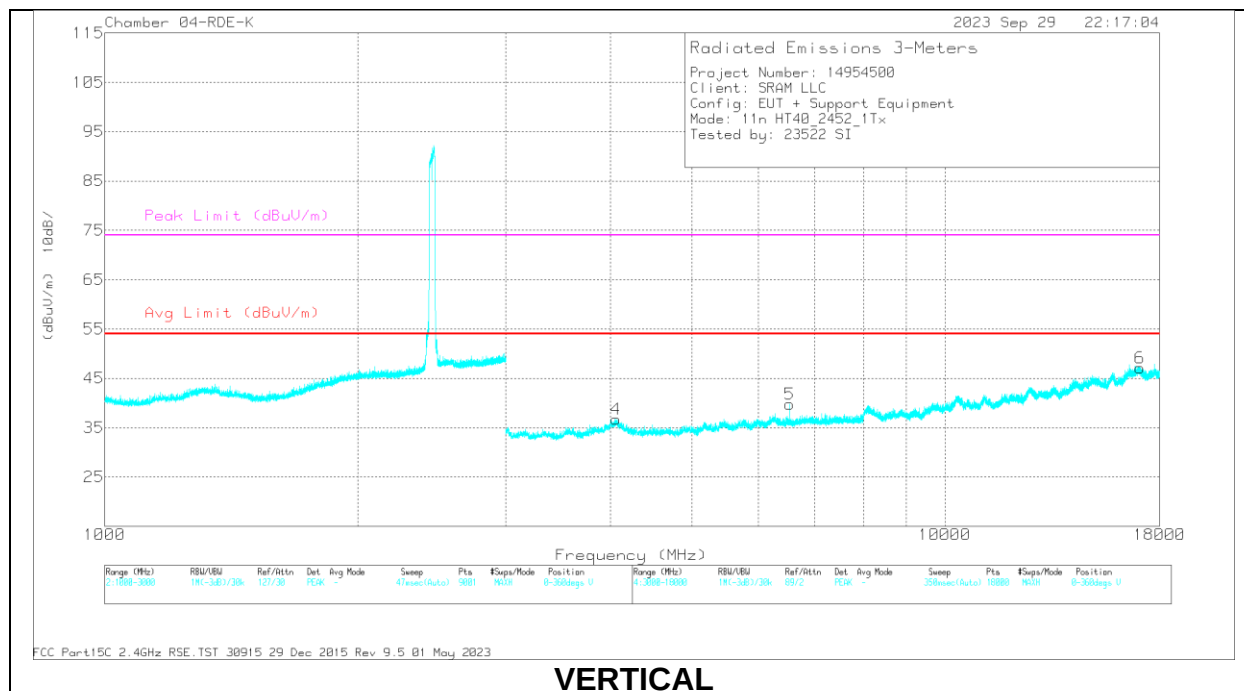
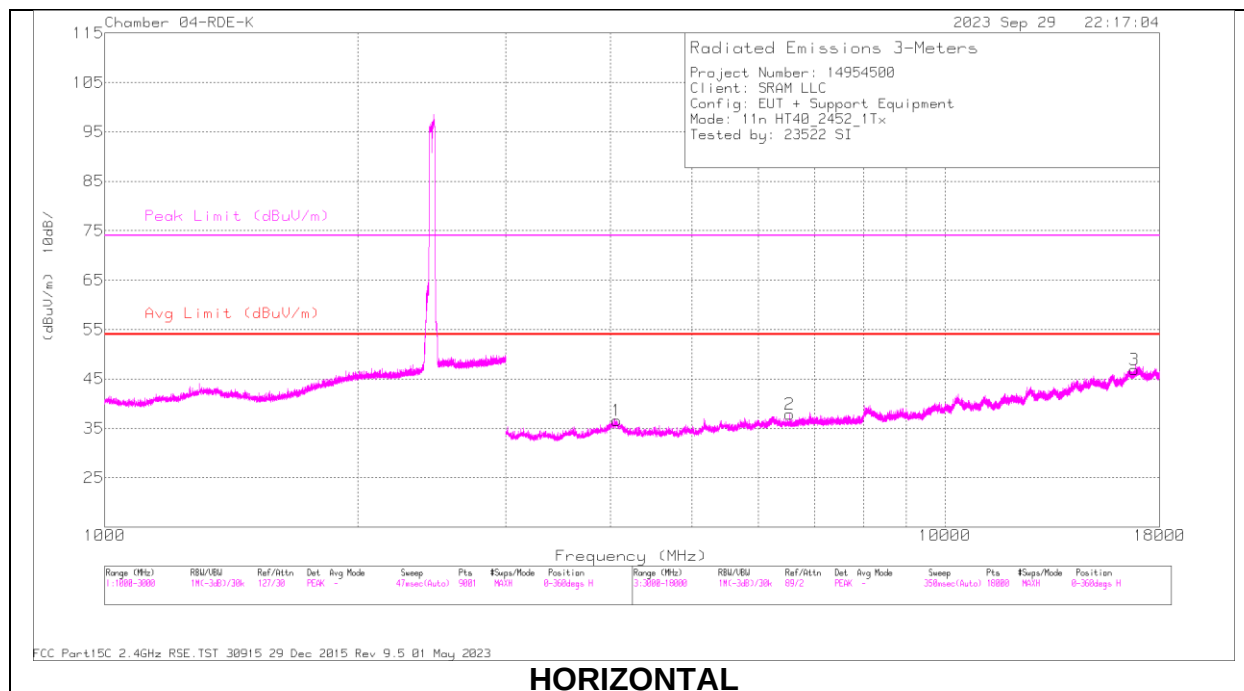
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF 3m (dB/m)	Cbl/Amp (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4031.907	52.17	PK2	35.2	-41.3	0	46.07	-	-	74	-27.93	109	143	H
	* 4031.644	40.73	MAv1	35.2	-41.3	.23	34.86	54	-19.14	-	-	109	143	H
2	6498.742	50.07	PK2	35.5	-38.2	0	47.37	-	-	-	-	176	103	H
	6498.525	40.23	MAv1	35.5	-38.2	.23	37.76	-	-	-	-	176	103	H
3	* 15847.195	46.63	PK2	40.2	-31.7	0	55.13	-	-	74	-18.87	36	231	H
	* 15844.105	35.02	MAv1	40.2	-31.6	.23	43.85	54	-10.15	-	-	36	231	H
4	* 4029.242	52.47	PK2	35.2	-41.3	0	46.37	-	-	74	-27.63	188	132	V
	* 4028.475	40.82	MAv1	35.2	-41.4	.23	34.85	54	-19.15	-	-	188	132	V
5	6498.602	51.16	PK2	35.5	-38.2	0	48.46	-	-	-	-	288	194	V
	6498.471	42.14	MAv1	35.5	-38.2	.23	39.67	-	-	-	-	288	194	V
6	* 15906.729	46.71	PK2	40.2	-32	0	54.91	-	-	74	-19.09	300	160	V
	* 15909.451	34.91	MAv1	40.2	-32.1	.23	43.24	54	-10.76	-	-	300	160	V

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL, CH 11 RESULTS



RADIATED EMISSIONS

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	223083 ACF 3m (dB/m)	Cbl/Amp (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4063.718	52.92	PK2	35.2	-41.2	0	46.92	-	-	74	-27.08	182	309	H
	* 4062.441	41.11	MAv1	35.2	-41.3	.23	35.24	54	-18.76	-	-	182	309	H
2	6538.989	50.16	PK2	35.5	-38.1	0	47.56	-	-	-	-	174	120	H
	6538.573	39.4	MAv1	35.5	-38.1	.23	37.03	-	-	-	-	174	120	H
3	16800.541	46.19	PK2	41.7	-31.9	0	55.99	-	-	-	-	292	344	H
	16802.253	34.3	MAv1	41.7	-31.9	.23	44.33	-	-	-	-	292	344	H
4	* 4061.47	52.67	PK2	35.2	-41.4	0	46.47	-	-	74	-27.53	20	148	V
	* 4065.048	40.88	MAv1	35.2	-41.2	.23	35.11	54	-18.89	-	-	20	148	V
5	6538.63	50.9	PK2	35.5	-38.1	0	48.3	-	-	-	-	286	302	V
	6538.562	42.03	MAv1	35.5	-38.1	.23	39.66	-	-	-	-	286	302	V
6	17051.693	45.55	PK2	41.5	-31.5	0	55.55	-	-	-	-	37	232	V
	17051.944	34.06	MAv1	41.5	-31.5	.23	44.29	-	-	-	-	37	232	V

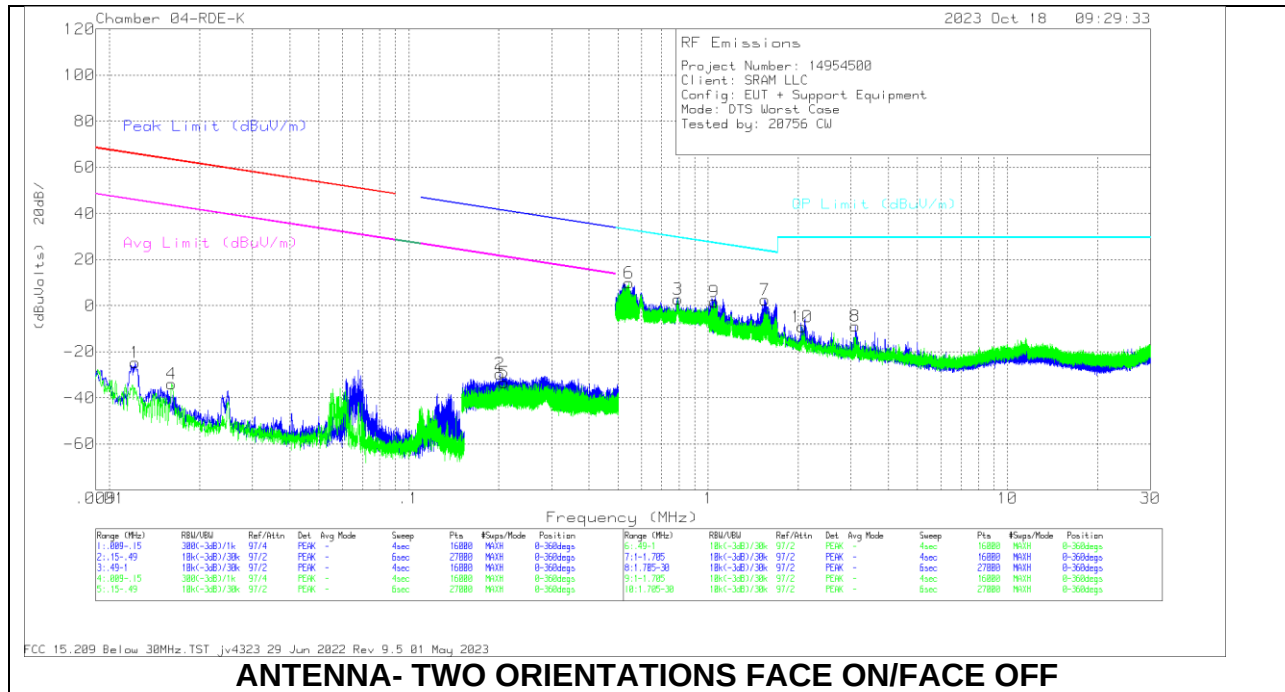
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

10.2. WORST CASE BELOW 30MHz

SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION)



Below 30MHz Data

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E(ACF)	Amp/Cbl (dB)	Dist Corr 300m	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	.0122	26.28	Pk	60.1	-31.1	-80	-24.72	65.87	-90.59	45.87	-70.59	-	-	-	-	0-360
2	.2016	26.13	Pk	56.4	-32.1	-80	-29.57	-	-	-	-	41.53	-71.1	21.53	-51.1	0-360
4	.0162	17.74	Pk	59.6	-31.4	-80	-34.06	63.42	-97.48	43.42	-77.48	-	-	-	-	0-360
5	.2088	22.37	Pk	56.4	-32.1	-80	-33.33	-	-	-	-	41.22	-74.55	21.22	-54.55	0-360

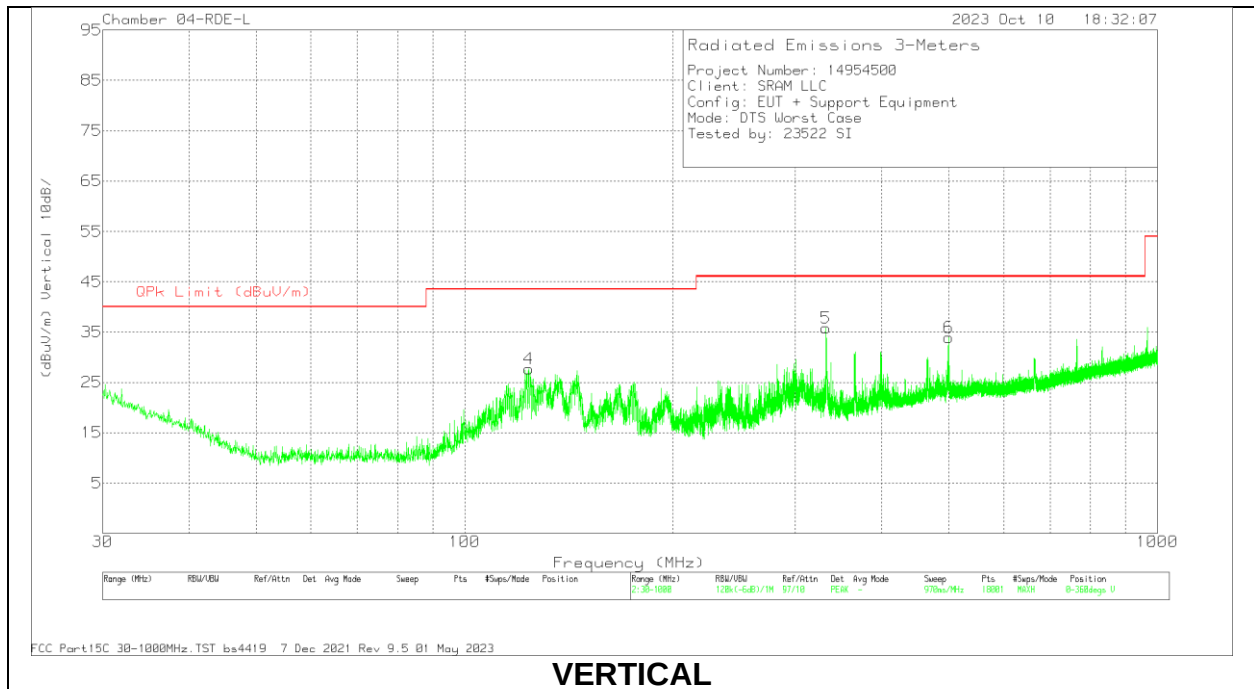
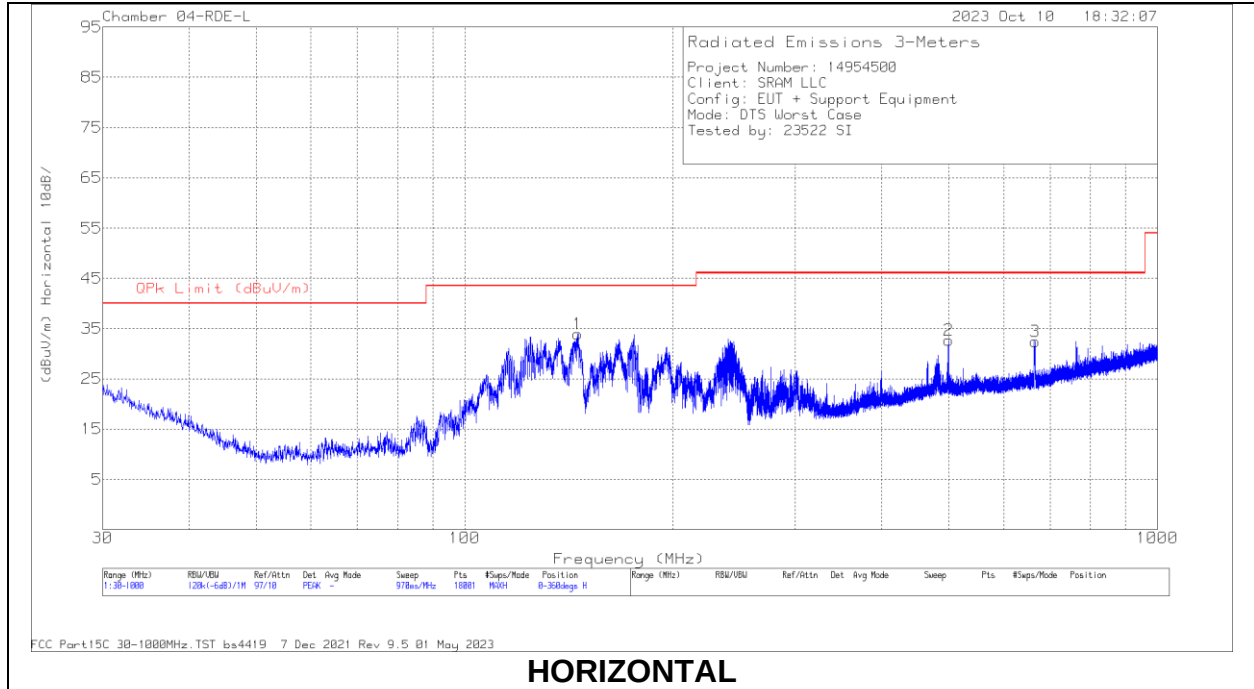
Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna E(ACF)	Amp/Cbl (dB)	Dist Corr 30m 40Log	Corrected Reading (dBuVolts)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
3	.7924	18.61	Pk	56.4	-32.2	-40	2.81	29.64	-26.83	0-360
6	.5425	25.67	Pk	56.3	-32.2	-40	9.77	32.92	-23.15	0-360
7	1.5449	30.42	Pk	44	-31.9	-40	2.52	23.85	-21.33	0-360
8	3.0957	24.41	Pk	38.6	-32	-40	-8.99	29.5	-38.49	0-360
9	1.0484	27.16	Pk	46.6	-32.1	-40	1.66	27.21	-25.55	0-360
10	2.054	21.31	Pk	41.4	-32	-40	-9.29	29.5	-38.79	0-360

Pk - Peak detector

10.3. WORST CASE BELOW 1 GHz

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



Below 1GHz Data

Trace Markers

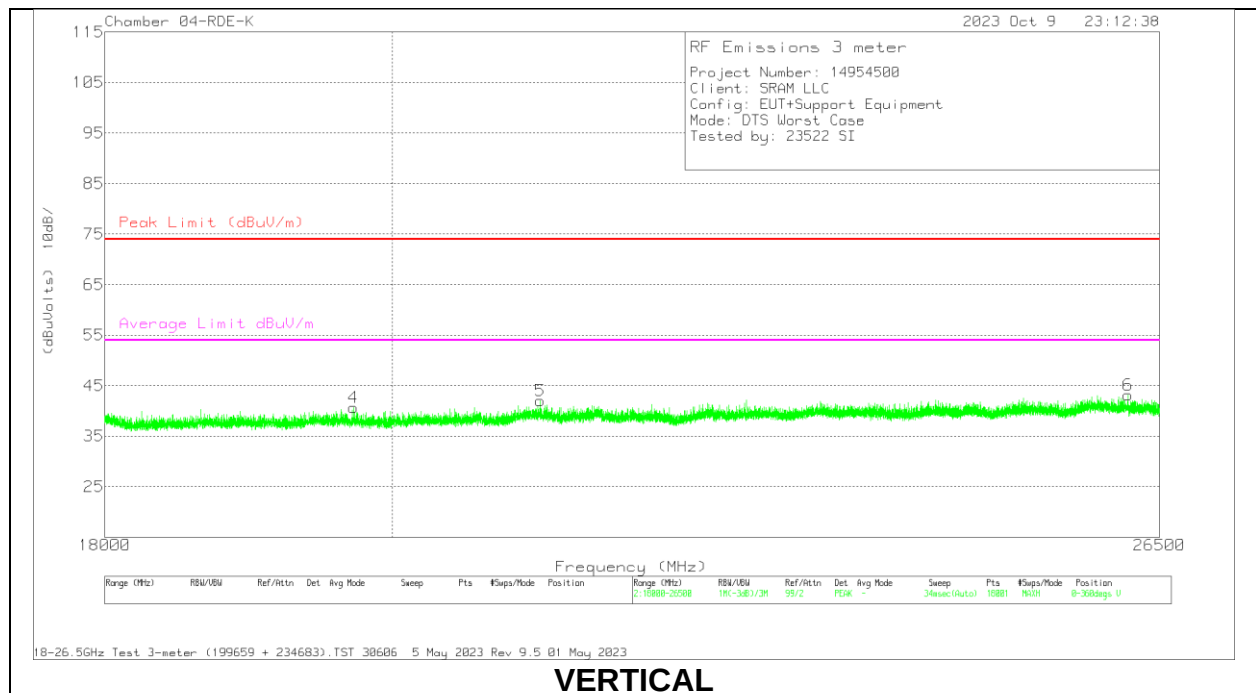
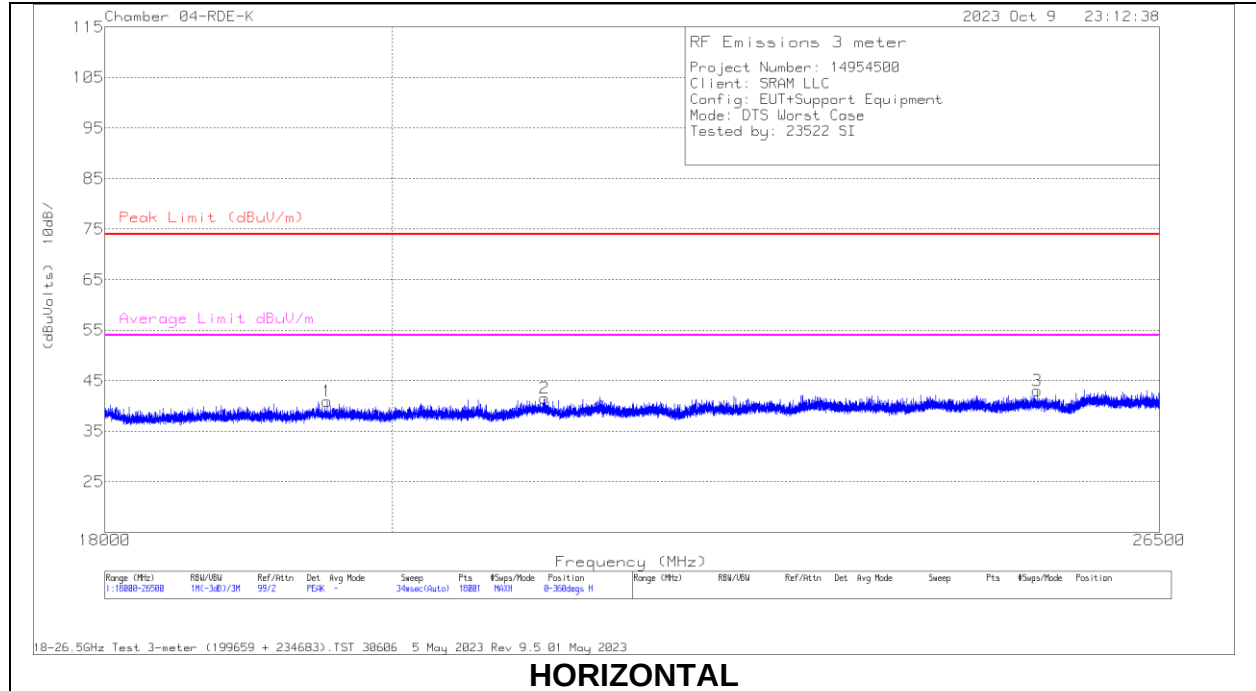
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	174374 ANSI ACF 10 m H UL	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	145.613	45.75	Pk	18.6	-30	34.35	43.52	-9.17	203	302	H
	145.613	39.6	Qp	18.6	-30	28.2	43.52	-15.32	203	302	H
2	500.02	37.24	Pk	23.7	-28.3	32.64	46.02	-13.38	0-360	299	H
3	666.483	34.86	Pk	25.6	-28	32.46	46.02	-13.56	0-360	100	H
4	123.659	38.17	Pk	19.7	-30.2	27.67	43.52	-15.85	0-360	299	V
5	332.263	44.91	Pk	19.9	-29	35.81	46.02	-10.21	0-360	199	V
6	499.373	38.53	Pk	23.7	-28.3	33.93	46.02	-12.09	0-360	299	V

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 (MHz)	Meter Reading (dBuV)	Det	Horn ACF (dB/m)	234683 Amp/Cbl (dB)	Cables (dB)	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	PK Margin (dB)	Average Limit dBuV/m	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 19528.583	52.46	Pk	32.6	-62.7	18.6	40.96	74	-33.04	-	-	0-360	200	H
2	* 21152.554	50.87	Pk	33	-61.6	19.3	41.57	74	-32.43	-	-	0-360	200	H
3	25340.219	49.82	Pk	34	-61.9	21.1	43.02	74	-30.98	-	-	0-360	200	H
4	* 19718.416	51.96	Pk	32.7	-62.6	18.6	40.66	74	-33.34	-	-	0-360	200	V
5	* 21116.665	51.37	Pk	33	-61.6	19.3	42.07	74	-31.93	-	-	0-360	101	V
6	26198.246	49.44	Pk	34.3	-62.1	21.5	43.14	74	-30.86	-	-	0-360	101	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.

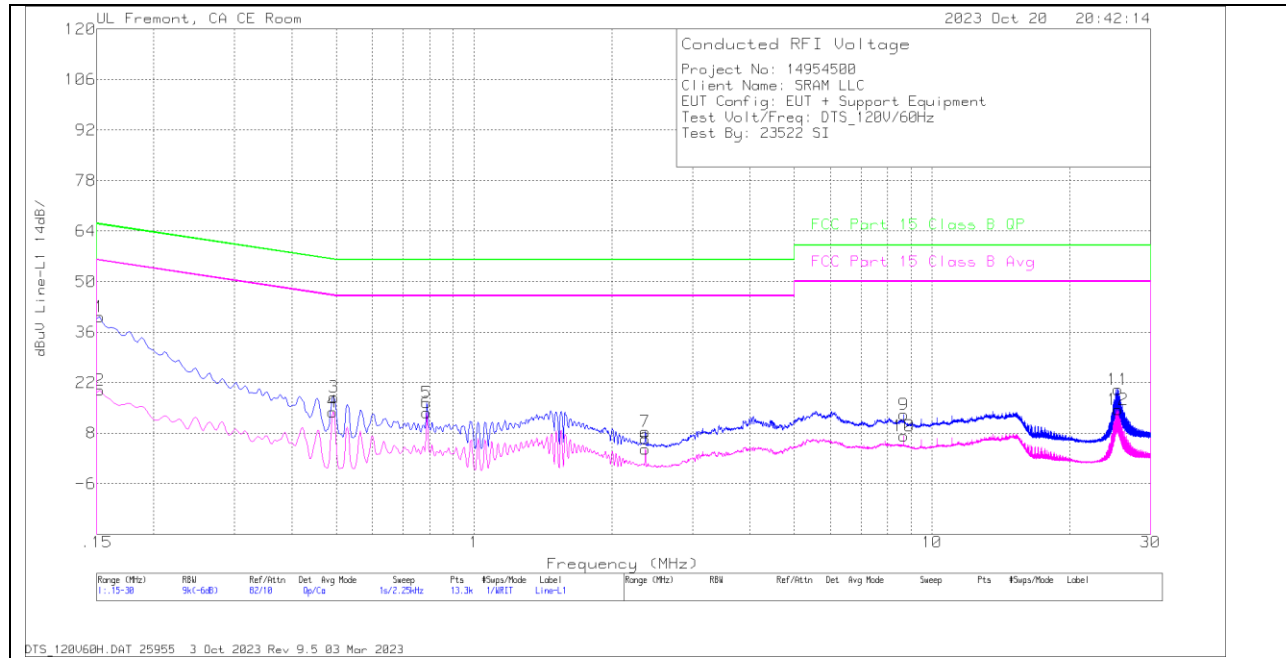
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

11.1.1. AC Power Line Norm

LINE 1 RESULTS

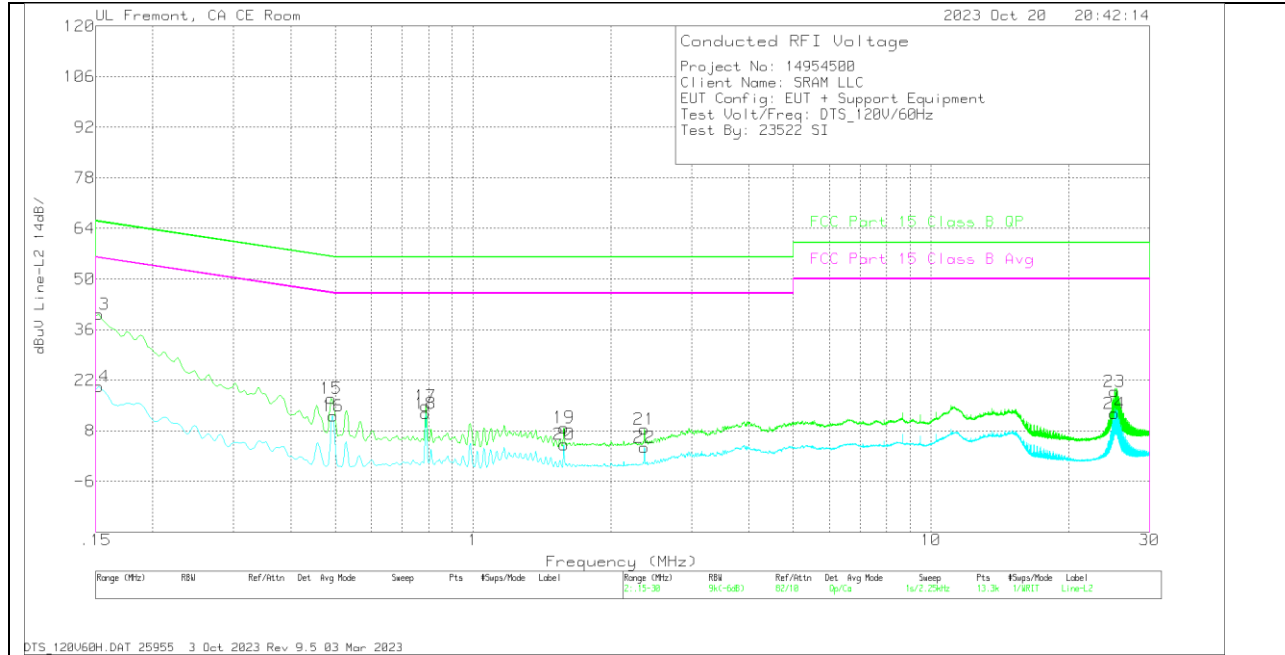


Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN (dB)	Cbl (dB)	Tms Limiter (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP	QP Margin (dB)	FCC Part 15 Class B Avg	Av(CISPR) Margin (dB)
1	.1523	30.74	Qp	0	0	9.5	40.24	65.88	-25.64	-	-
2	.1523	10.4	Ca	0	0	9.5	19.9	-	-	55.88	-35.98
3	.4943	8.68	Qp	0	0	9.3	17.98	56.1	-38.12	-	-
4	.492	4.63	Ca	0	0	9.3	13.93	-	-	46.13	-32.2
5	.789	7.03	Qp	0	.1	9.3	16.43	56	-39.57	-	-
6	.789	4.25	Ca	0	.1	9.3	13.65	-	-	46	-32.35
7	2.3663	-1.02	Qp	0	.1	9.4	8.48	56	-47.52	-	-
8	2.3663	-5.91	Ca	0	.1	9.4	3.59	-	-	46	-42.41
9	8.6775	3.59	Qp	0	.2	9.3	13.09	60	-46.91	-	-
10	8.6775	-2.29	Ca	0	.2	9.3	7.21	-	-	50	-42.79
11	25.4648	10.24	Qp	.2	.3	9.4	20.14	60	-39.86	-	-
12	25.4648	4.57	Ca	.2	.3	9.4	14.47	-	-	50	-35.53

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN (dB)	Cbl (dB)	Trms Limiter (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP	QP Margin (dB)	FCC Part 15 Class B Avg	Av(CISPR)Margin (dB)
13	.1523	30.7	Qp	0	0	9.5	40.2	65.88	-25.68	-	-
14	.1523	10.78	Ca	0	0	9.5	20.28	-	-	55.88	-35.6
15	.4898	7.62	Qp	0	0	9.3	16.92	56.17	-39.25	-	-
16	.4943	2.8	Ca	0	0	9.3	12.1	-	-	46.1	-34
17	.789	5.54	Qp	0	0	9.3	14.84	56	-41.16	-	-
18	.789	3.54	Ca	0	0	9.3	12.84	-	-	46	-33.16
19	1.5788	-5.1	Qp	0	.1	9.3	8.89	56	-47.11	-	-
20	1.5788	-5.2	Ca	0	.1	9.3	4.2	-	-	46	-41.8
21	2.3663	-1.1	Qp	0	.1	9.4	8.4	56	-47.6	-	-
22	2.3663	-6.11	Ca	0	.1	9.4	3.39	-	-	46	-42.61
23	25.1295	8.92	Qp	.2	.3	9.4	18.82	60	-41.18	-	-
24	25.1295	2.91	Ca	.2	.3	9.4	12.81	-	-	50	-37.19

Qp - Quasi-Peak detector
Ca - CISPR average detection