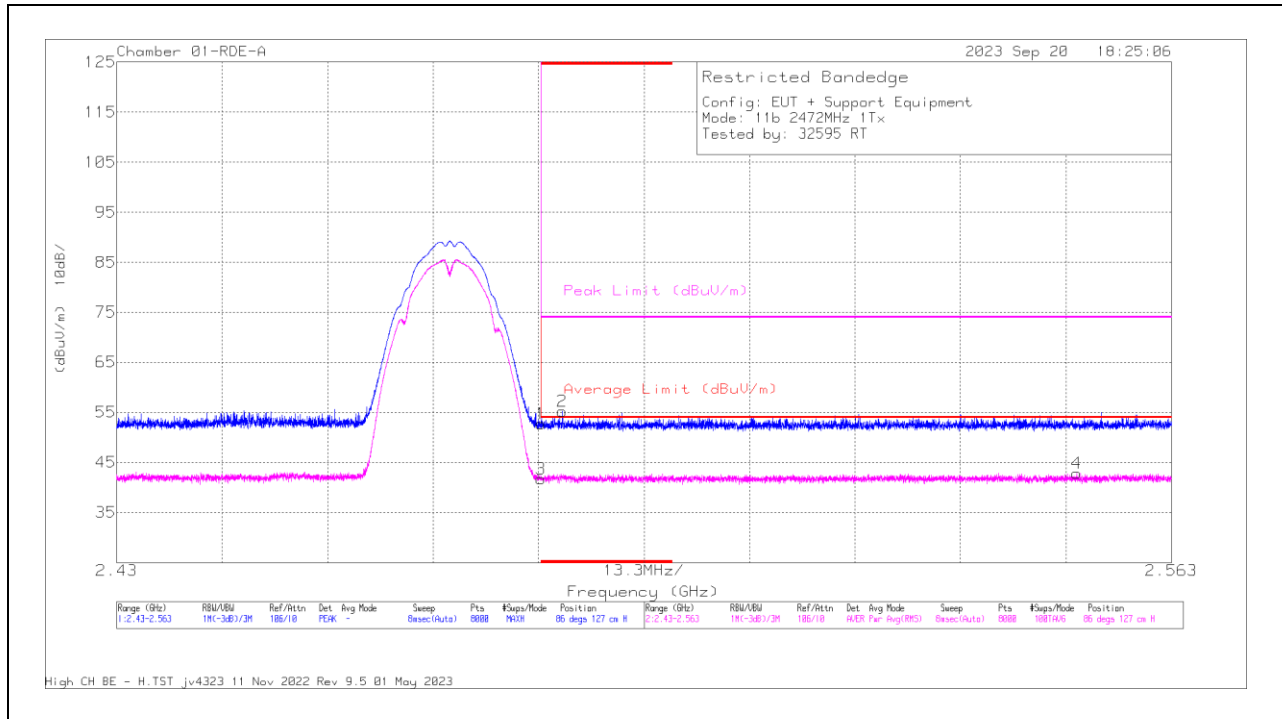


**BANDEDGE (HIGH CHANNEL, CH 13)**

**HORIZONTAL RESULT**

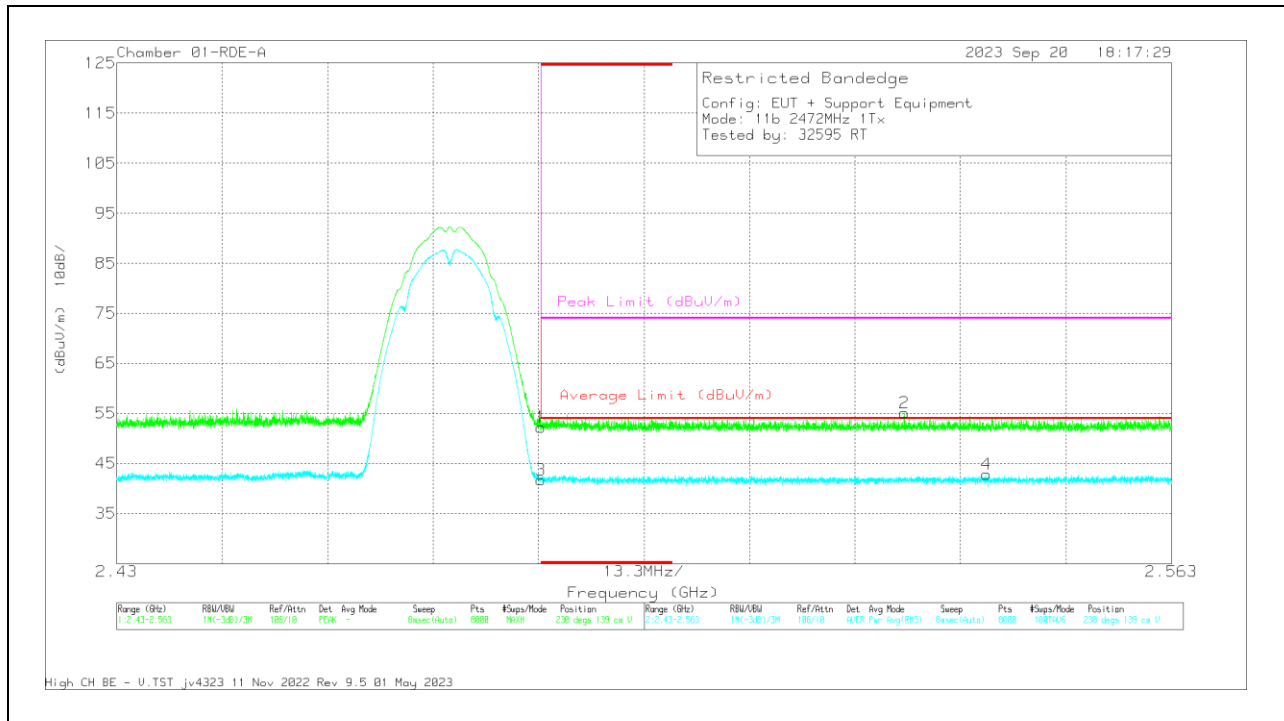


**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81886 ACF 3m (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	39.11	PK	32.5	0	-18.86	52.75	-	-	74	-21.25	86	127	H
2	* 2.486216	41.53	PK	32.5	0	-18.85	55.19	-	-	74	-18.82	86	127	H
3	* 2.4835	27.99	RMS	32.5	-12	-18.86	41.75	54	-12.25	-	-	86	127	H
4	2.551028	28.79	RMS	32.5	-12	-18.58	42.83	54	-11.17	-	-	86	127	H

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

**VERTICAL RESULT**



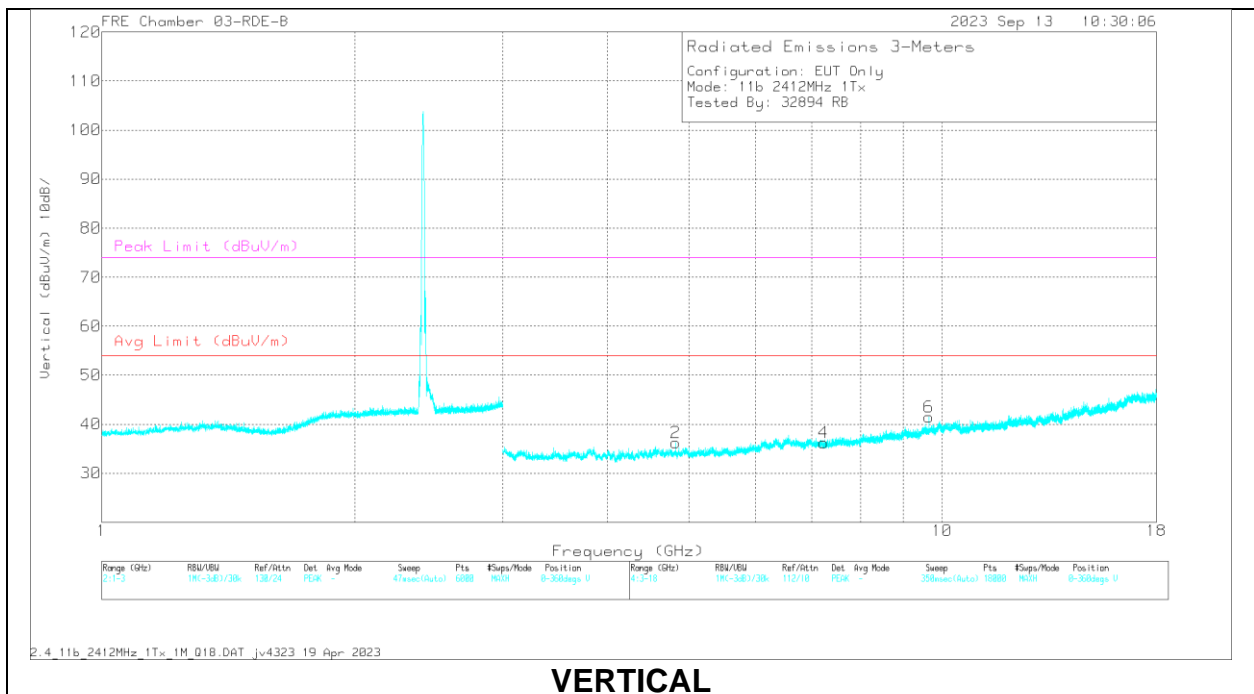
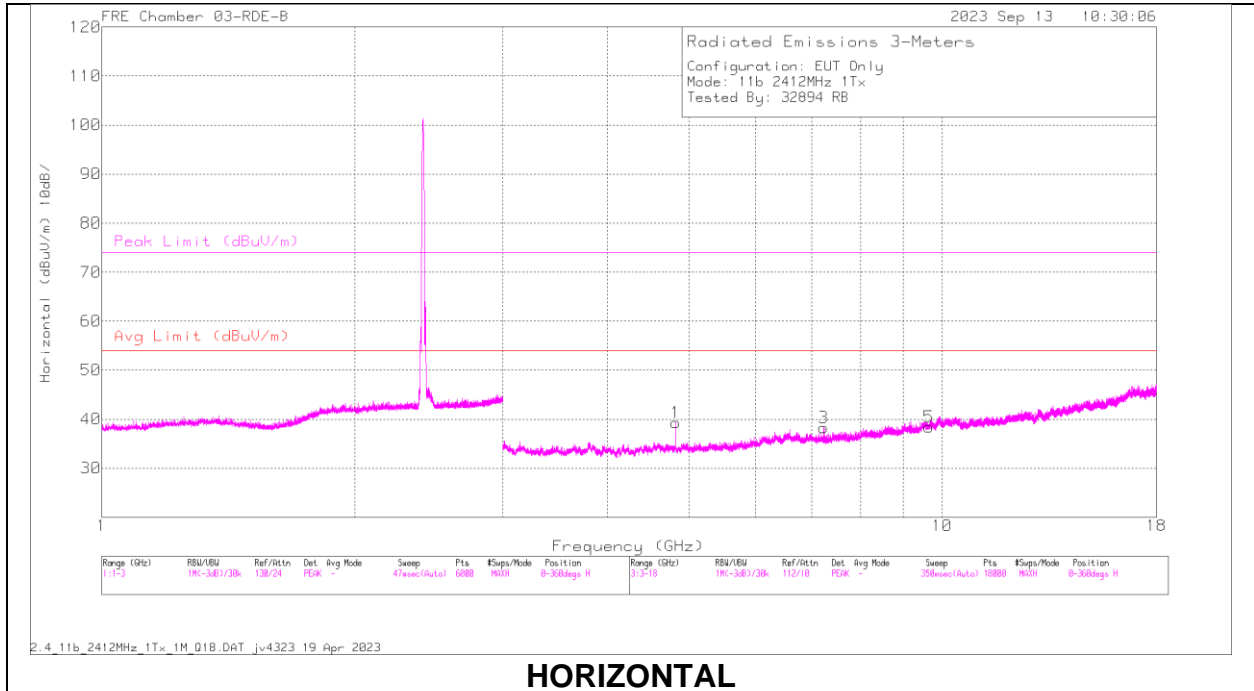
**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	#1888 ACF 3m (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	38.64	Pk	32.5	0	-18.86	52.28	-	-	74	-21.72	230	139	V
3	* 2.4835	27.97	RMS	32.5	.12	-18.86	41.73	54	-12.27	-	-	230	139	V
2	2.529296	41.22	Pk	32.5	0	-18.62	55.1	-	-	74	-18.9	230	139	V
4	2.539688	28.83	RMS	32.5	.12	-18.65	42.8	54	-11.2	-	-	230	139	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

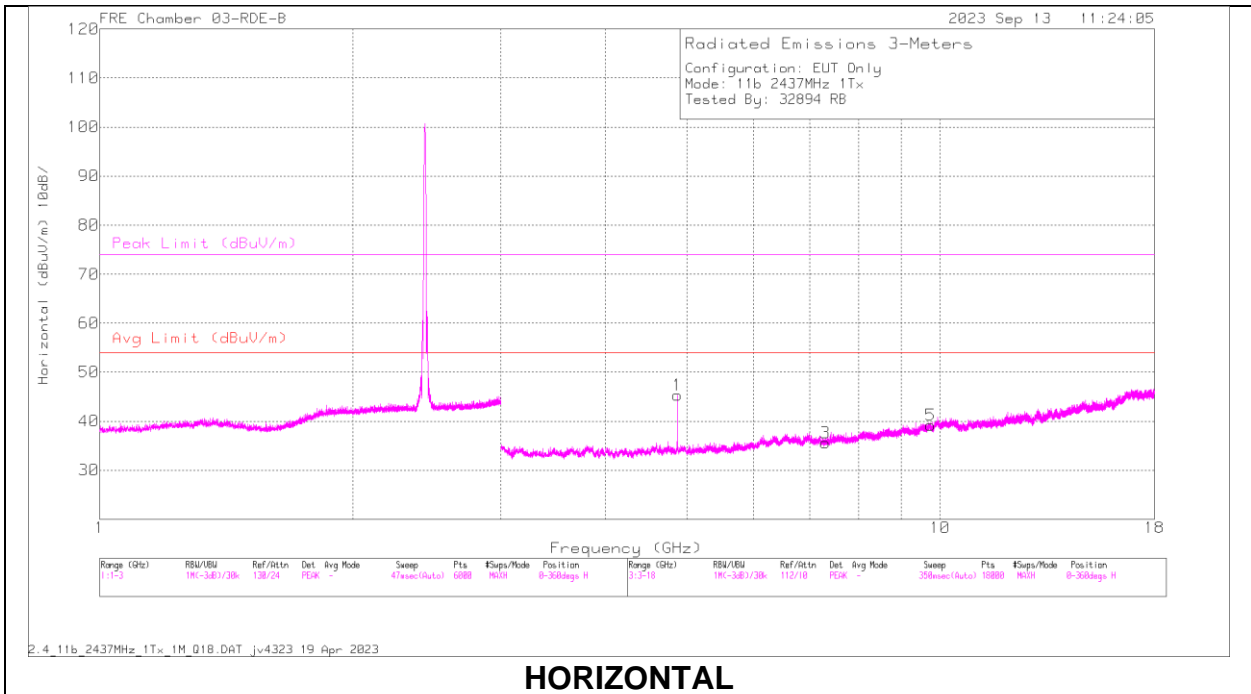


**Radiated Emissions**

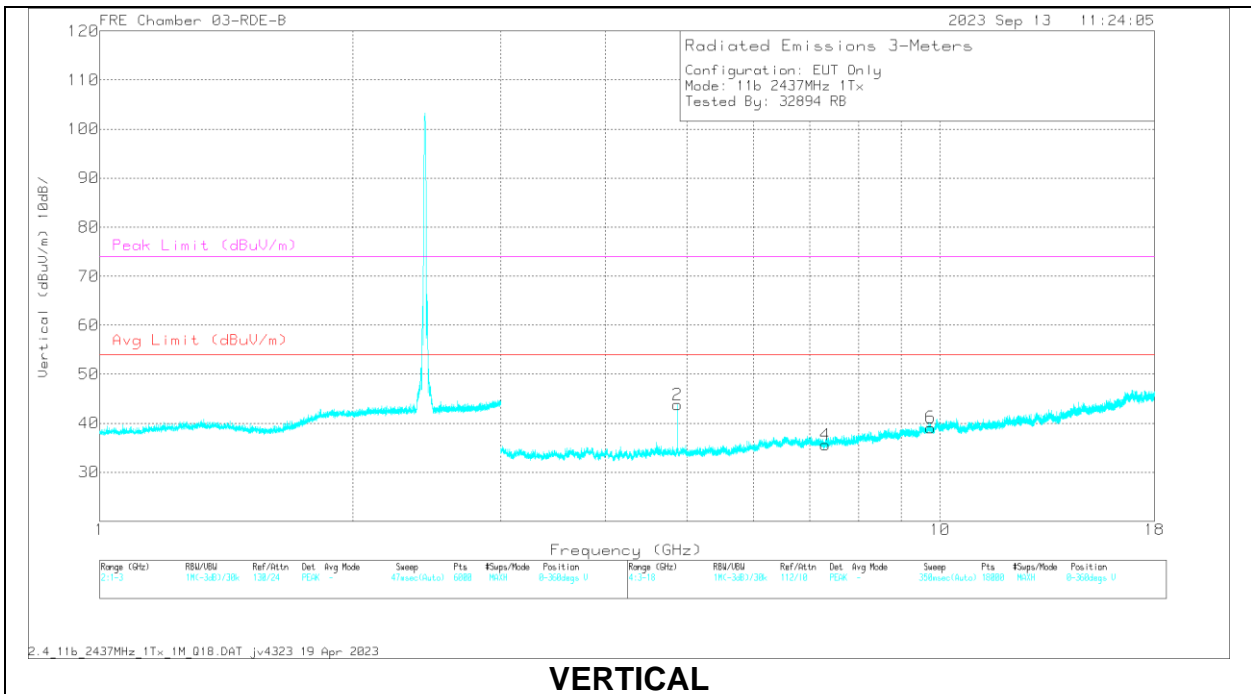
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.823888	62.93	PK2	34.2	0	-49.1	48.03	-	-	74	-25.97	176	220	H
	* 4.823957	56.51	MAv1	34.2	.12	-49.1	41.73	54	-12.27	-	-	176	220	H
2	* 4.824119	61.29	PK2	34.2	0	-49.1	46.39	-	-	74	-27.61	69	166	V
	* 4.824084	49.82	MAv1	34.2	.12	-49.1	35.04	54	-18.96	-	-	69	166	V
3	7.232418	58.06	PK2	35.7	0	-47.4	46.36	-	-	74	-27.64	271	184	H
	7.234875	46.45	MAv1	35.7	.12	-47.31	34.96	-	-	-	-	271	184	H
4	7.236797	59.13	PK2	35.7	0	-47.32	47.51	-	-	74	-26.49	79	277	V
	7.237422	46.33	MAv1	35.7	.12	-47.3	34.85	-	-	-	-	79	277	V
5	9.646055	58.28	PK2	37.1	0	-47	48.38	-	-	74	-25.62	357	326	H
	9.647221	46.76	MAv1	37.1	.12	-47	36.98	-	-	-	-	357	326	H
6	9.647908	58.26	PK2	37.1	0	-47	48.36	-	-	74	-25.64	185	111	V
	9.648317	47.2	MAv1	37.1	.12	-47	37.42	-	-	-	-	185	111	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



**HORIZONTAL**



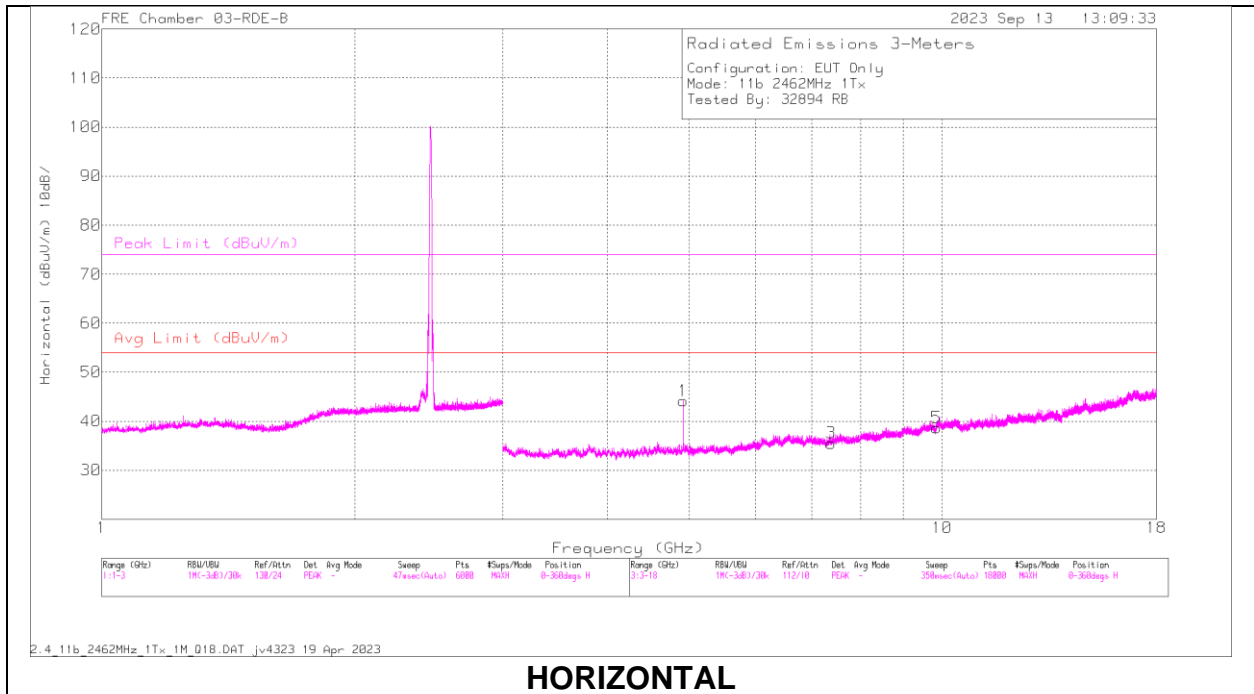
**VERTICAL**

**Radiated Emissions**

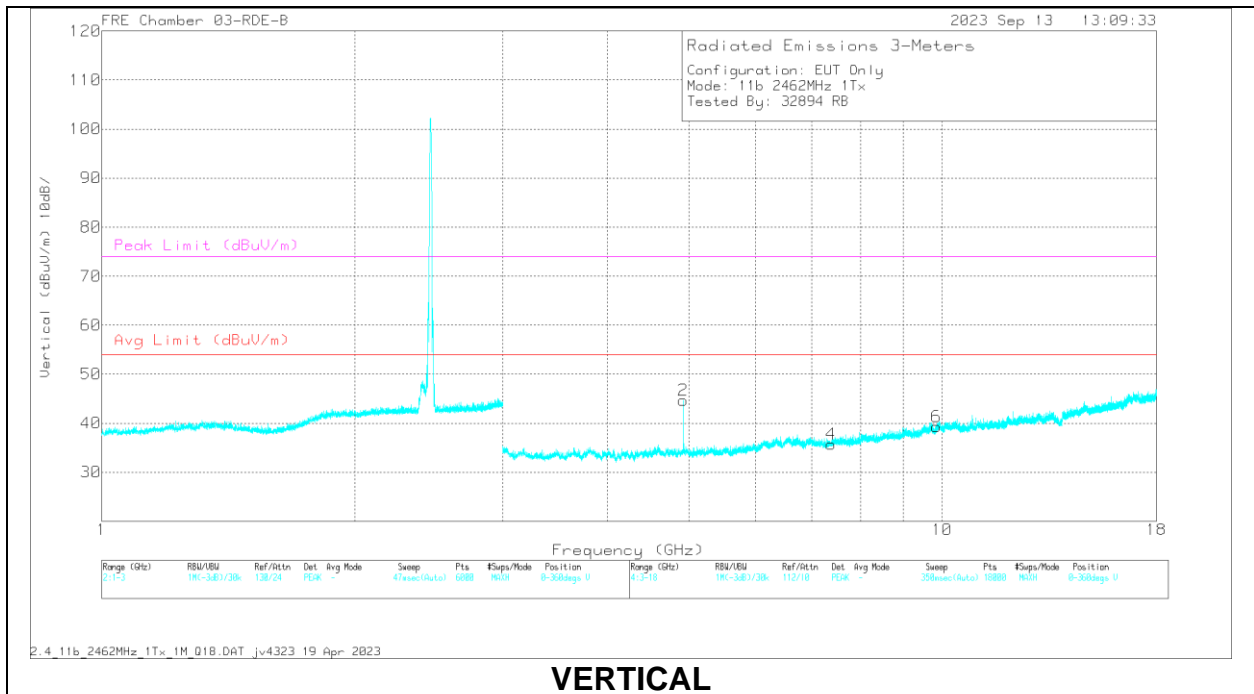
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.873922	64.26	PK2	34.2	0	-48.8	49.66	-	-	74	-24.34	168	135	H
	* 4.873988	58.3	MAv1	34.2	.12	-48.8	43.82	54	-10.18	-	-	168	135	H
3	* 7.309291	58.79	PK2	35.8	0	-47.6	46.99	-	-	74	-27.01	241	139	H
	* 7.310265	46.69	MAv1	35.8	.12	-47.63	34.98	54	-19.02	-	-	241	139	H
2	* 4.873786	62.53	PK2	34.2	0	-48.8	47.93	-	-	74	-26.07	131	306	V
	* 4.873909	54.91	MAv1	34.2	.12	-48.8	40.43	54	-13.57	-	-	131	306	V
4	* 7.310359	58.35	PK2	35.8	0	-47.64	46.51	-	-	74	-27.49	72	385	V
	* 7.307987	46.74	MAv1	35.8	.12	-47.6	35.06	54	-18.94	-	-	72	385	V
5	9.744919	47.81	MAv1	37.3	.12	-47.61	37.62	-	-	-	-	188	240	H
	9.746886	59.81	PK2	37.3	0	-47.69	49.42	-	-	74	-24.58	188	240	H
6	9.747326	59.72	PK2	37.3	0	-47.67	49.35	-	-	74	-24.65	353	323	V
	9.748156	47.8	MAv1	37.3	.12	-47.6	37.62	-	-	-	-	353	323	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



**HORIZONTAL**



**VERTICAL**

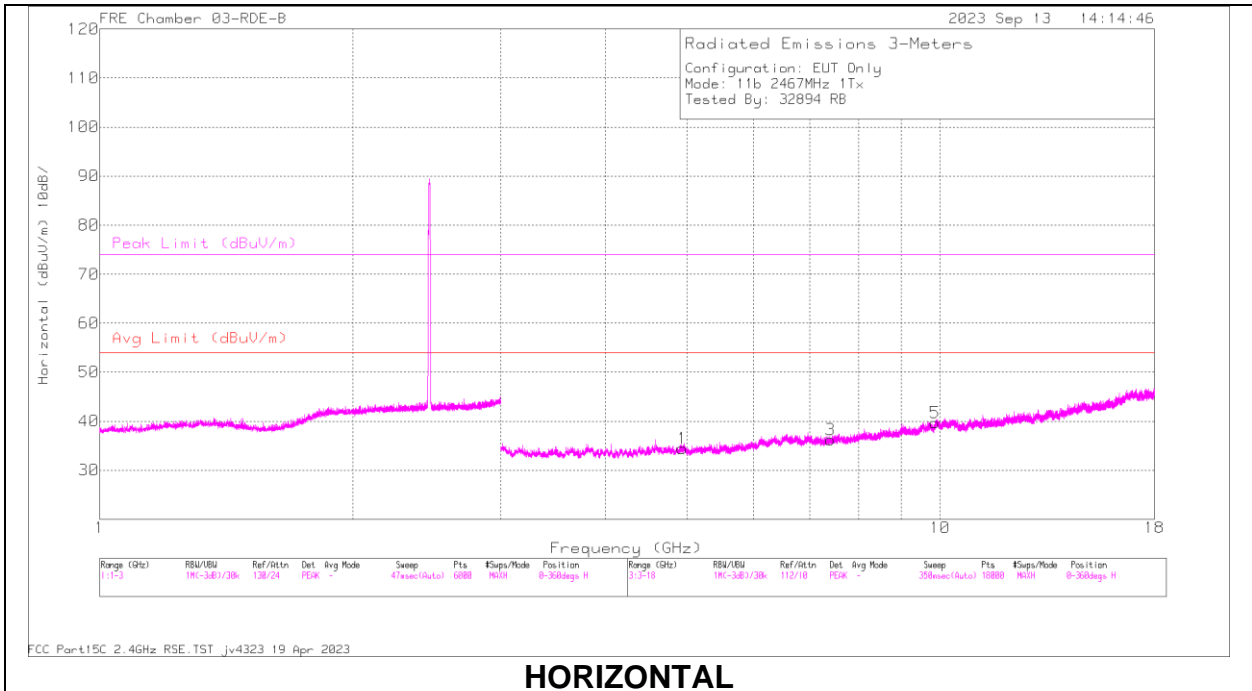
**Radiated Emissions**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.923963	55.87	MAv1	34.2	.12	-49.1	41.09	54	-12.91	-	-	251	114	H
	* 4.924064	63.45	PK2	34.2	0	-49.1	48.55	-	-	74	-25.45	251	114	H
3	* 7.38564	58.61	PK2	35.8	0	-47.56	46.85	-	-	74	-27.15	252	145	H
	* 7.387265	46.76	MAv1	35.8	.12	-47.5	35.18	54	-18.82	-	-	252	145	H
2	* 4.923968	53.3	MAv1	34.2	.12	-49.1	38.52	54	-15.48	-	-	143	348	V
	* 4.924095	62.32	PK2	34.2	0	-49.1	47.42	-	-	74	-26.58	143	348	V
4	* 7.385381	57.99	PK2	35.8	0	-47.54	46.25	-	-	74	-27.75	344	277	V
	* 7.387119	46.37	MAv1	35.8	.12	-47.5	34.79	54	-19.21	-	-	344	277	V
5	9.844963	59.09	PK2	37.4	0	-47.5	48.99	-	-	74	-25.01	156	256	H
	9.846958	47.85	MAv1	37.4	.12	-47.6	37.77	-	-	-	-	156	256	H
6	9.847625	48	MAv1	37.4	.12	-47.54	37.98	-	-	-	-	339	294	V
	9.850084	59.76	PK2	37.4	0	-47.69	49.47	-	-	74	-24.53	339	294	V

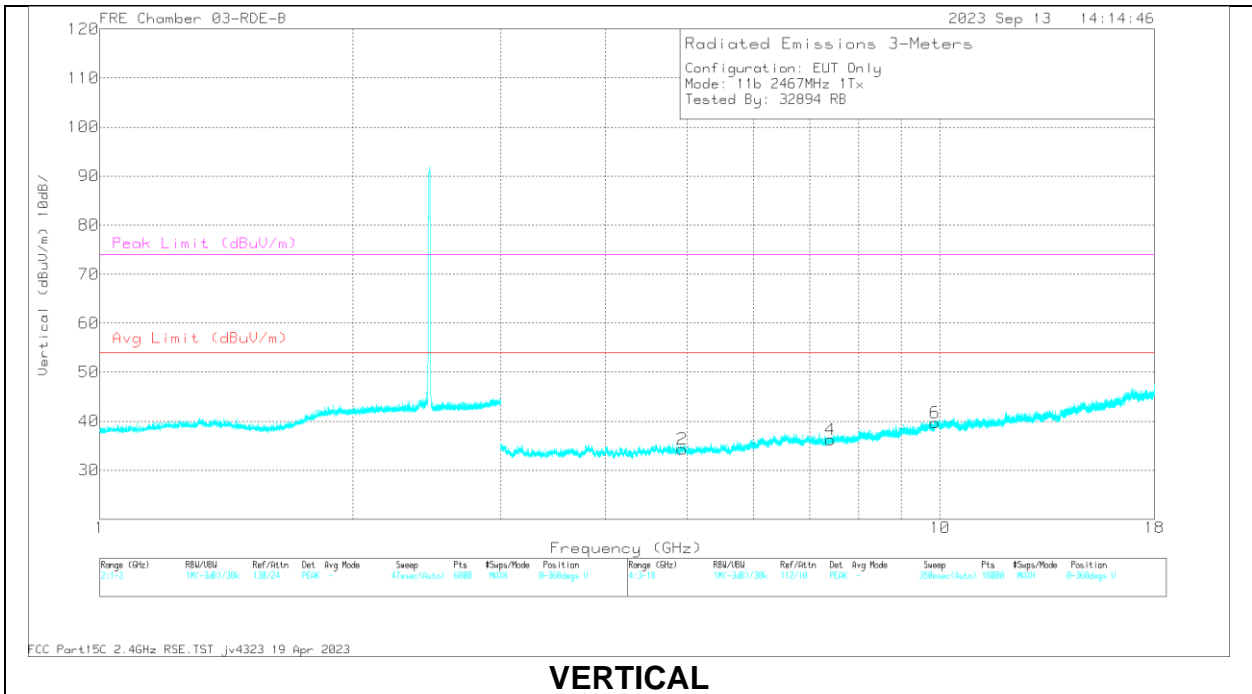
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK2 - KDB558074 Method: Maximum Peak  
 MAv1 - KDB558074 Option 1 Maximum RMS Average



### HIGH CHANNEL CH 12 RESULTS



**HORIZONTAL**



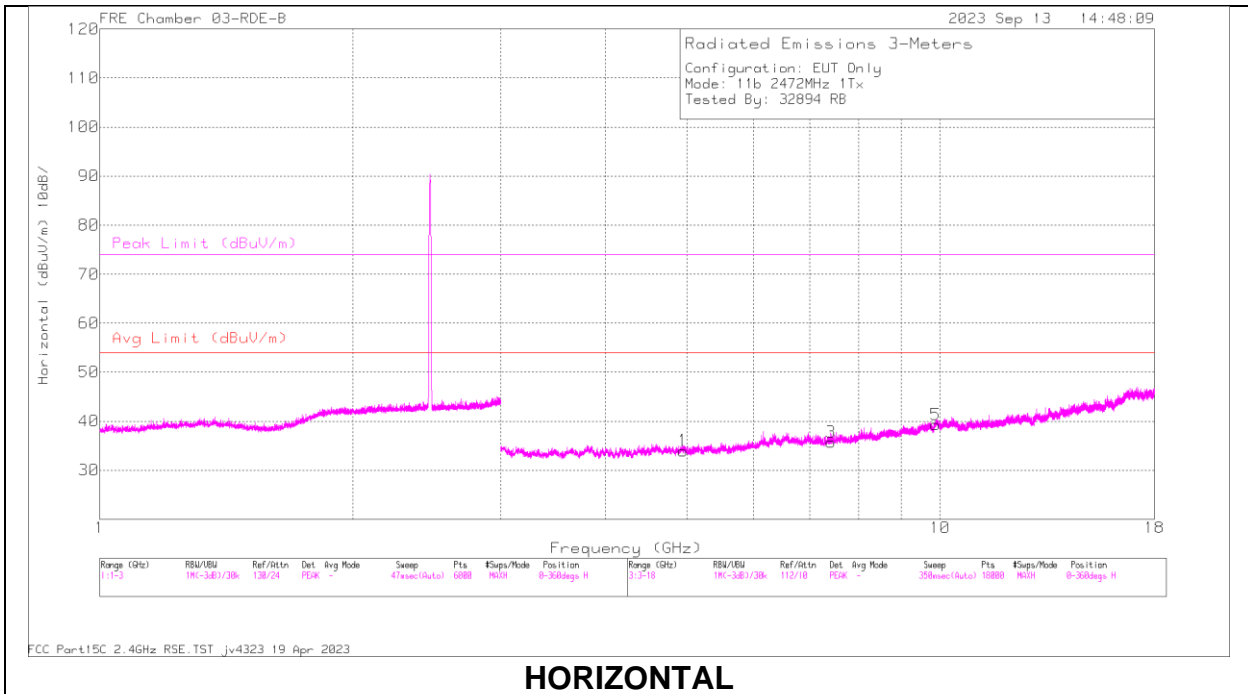
**VERTICAL**

**Radiated Emissions**

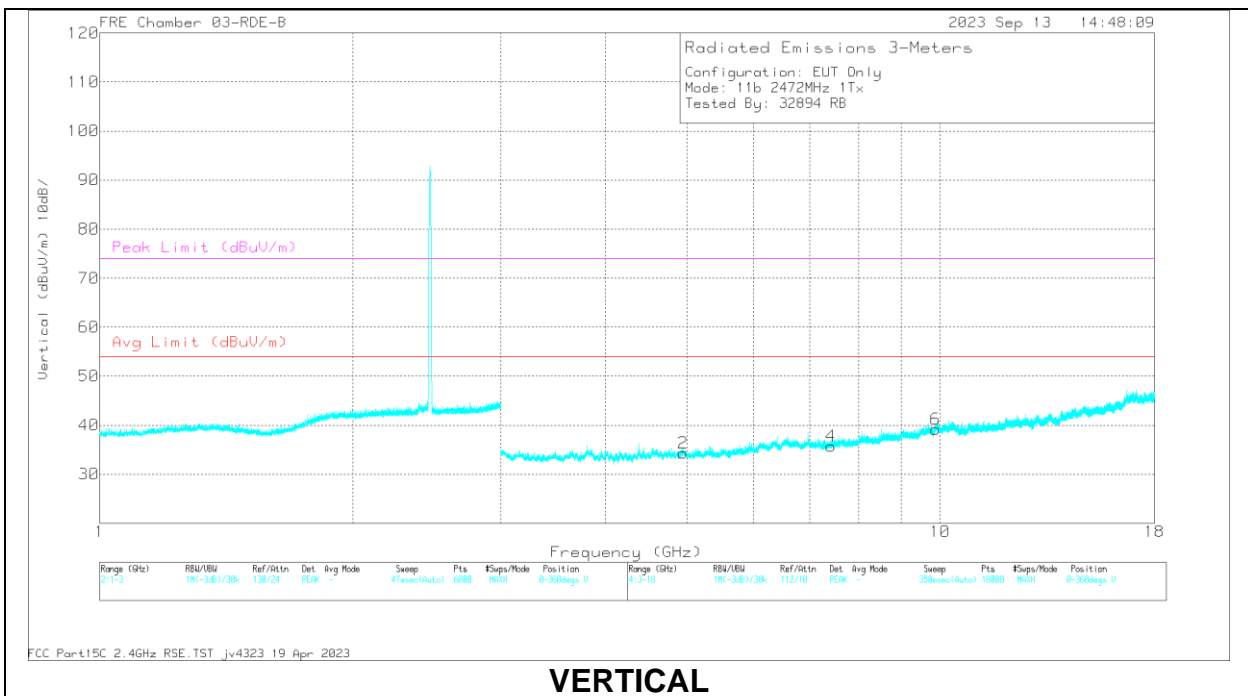
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.932339	60	PK2	34.2	0	-49.13	45.07	-	-	74	-28.93	5	274	H
	* 4.932893	48.12	MAv1	34.2	.12	-49.19	33.25	54	-20.75	-	-	5	274	H
3	* 7.402428	58.79	PK2	35.9	0	-47.3	47.39	-	-	74	-26.61	35	101	H
	* 7.402336	46.57	MAv1	35.9	.12	-47.3	35.29	54	-18.71	-	-	35	101	H
2	* 4.934718	59.78	PK2	34.2	0	-49.1	44.88	-	-	74	-29.12	351	354	V
	* 4.933991	48.18	MAv1	34.2	.12	-49.1	33.4	54	-20.6	-	-	351	354	V
4	* 7.399133	59.19	PK2	35.9	0	-47.3	47.79	-	-	74	-26.21	151	152	V
	* 7.398129	46.48	MAv1	35.9	.12	-47.3	35.2	54	-18.8	-	-	151	152	V
5	9.863208	59.59	PK2	37.4	0	-47.7	49.29	-	-	74	-24.71	310	319	H
	9.863934	48	MAv1	37.4	.12	-47.7	37.82	-	-	-	-	310	319	H
6	9.864144	48.03	MAv1	37.4	.12	-47.69	37.86	-	-	-	-	118	204	V
	9.864569	59.55	PK2	37.4	0	-47.64	49.31	-	-	74	-24.69	118	204	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 13 RESULTS



**HORIZONTAL**



**VERTICAL**

**Radiated Emissions**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.945024	60.32	PK2	34.2	0	-48.9	45.62	-	-	74	-28.38	234	292	H
	* 4.947022	48.23	MAv1	34.2	.12	-49.1	33.45	54	-20.55	-	-	234	292	H
3	* 7.41612	58.55	PK2	35.9	0	-47.3	47.15	-	-	74	-26.85	251	132	H
	* 7.415437	46.54	MAv1	35.9	.12	-47.36	35.2	54	-18.8	-	-	251	132	H
2	* 4.944123	60.1	PK2	34.2	0	-49.08	45.22	-	-	74	-28.78	243	251	V
	* 4.943724	48.38	MAv1	34.2	.12	-49.1	33.6	54	-20.4	-	-	243	251	V
4	* 7.41487	58.54	PK2	35.9	0	-47.4	47.04	-	-	74	-26.96	95	301	V
	* 7.413159	46.55	MAv1	35.9	.12	-47.4	35.17	54	-18.83	-	-	95	301	V
5	9.884653	48.31	MAv1	37.4	.12	-47.7	38.13	-	-	-	-	121	119	V
	9.885891	59.71	PK2	37.4	0	-47.61	49.5	-	-	74	-24.5	121	119	V
6	9.887079	48.31	MAv1	37.4	.12	-47.6	38.23	-	-	-	-	156	147	H
	9.887486	60.04	PK2	37.4	0	-47.6	49.84	-	-	74	-24.16	156	147	H

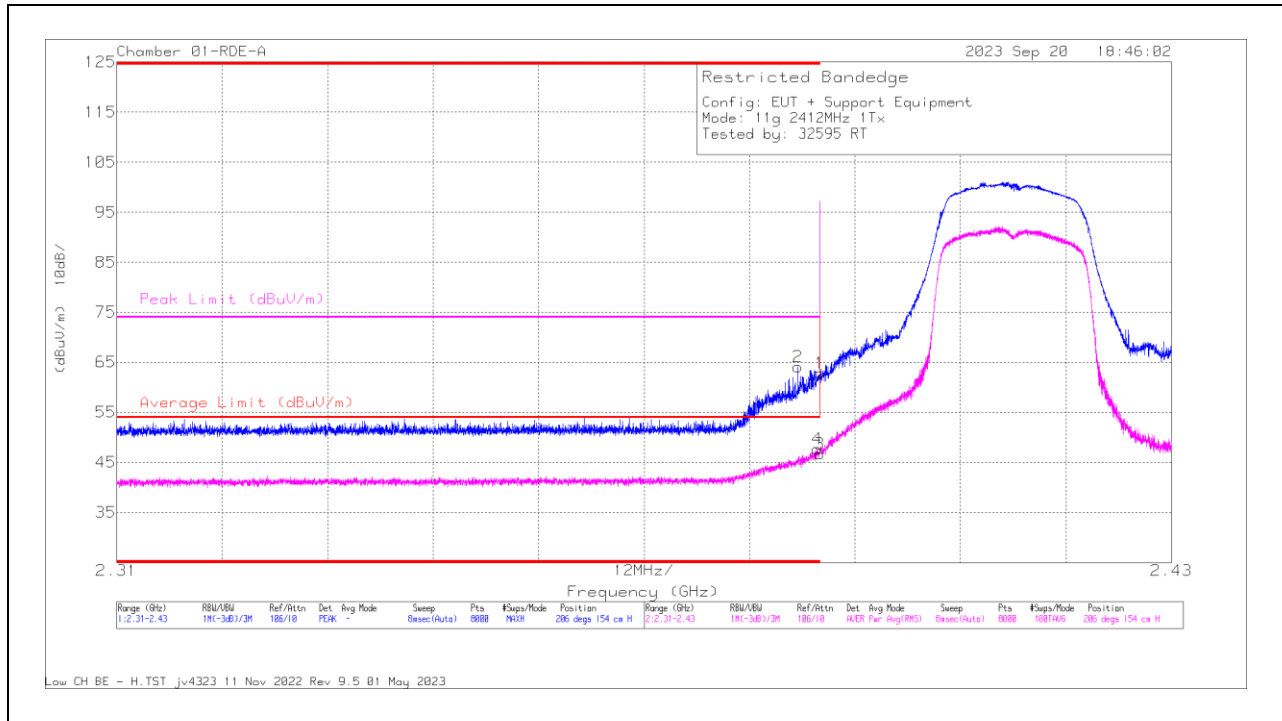
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK2 - KDB558074 Method: Maximum Peak  
 MAv1 - KDB558074 Option 1 Maximum RMS Average

### 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

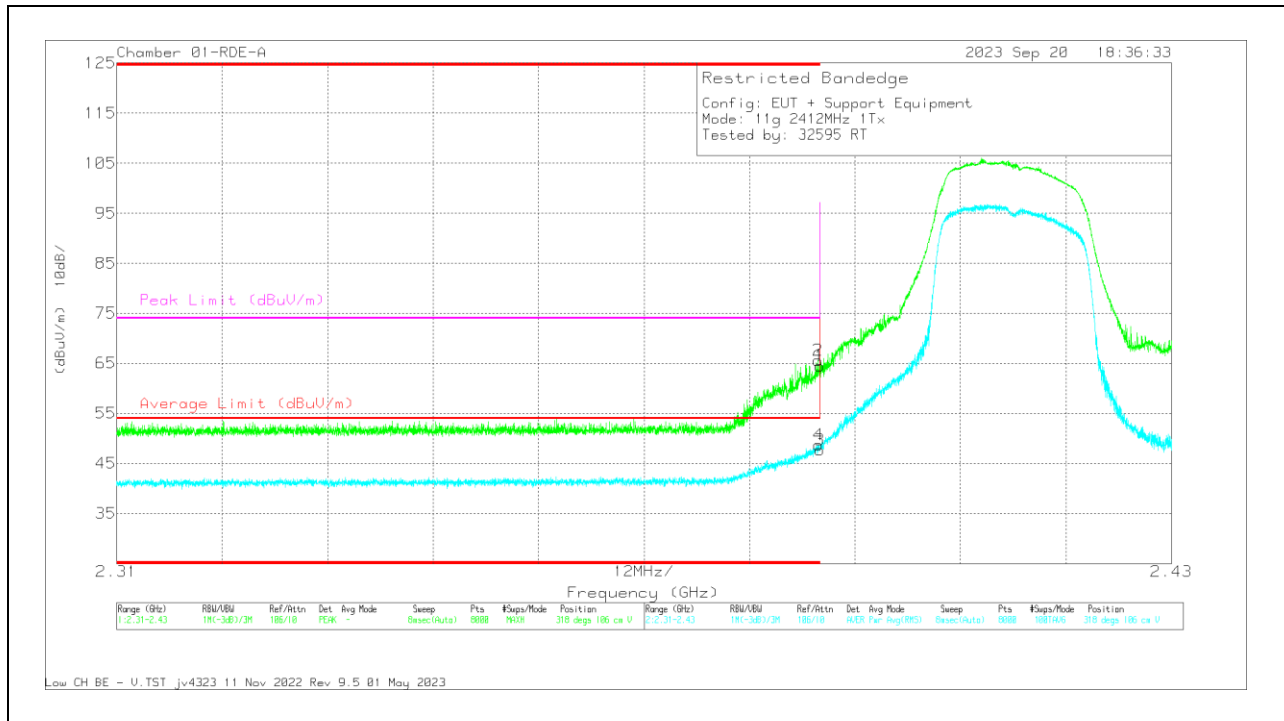


#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81886 ACF 3m (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	49.97	Pk	32.2	0	-19.35	62.82	-	-	74	-11.18	206	154	H
2	* 2.387485	51.25	Pk	32.2	0	-19.37	64.08	-	-	74	-9.92	206	154	H
3	* 2.39	33.3	RMS	32.2	.56	-19.35	46.71	54	-7.29	-	-	206	154	H
4	* 2.389691	34.28	RMS	32.2	.56	-19.35	47.69	54	-6.31	-	-	206	154	H

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

### VERTICAL RESULT



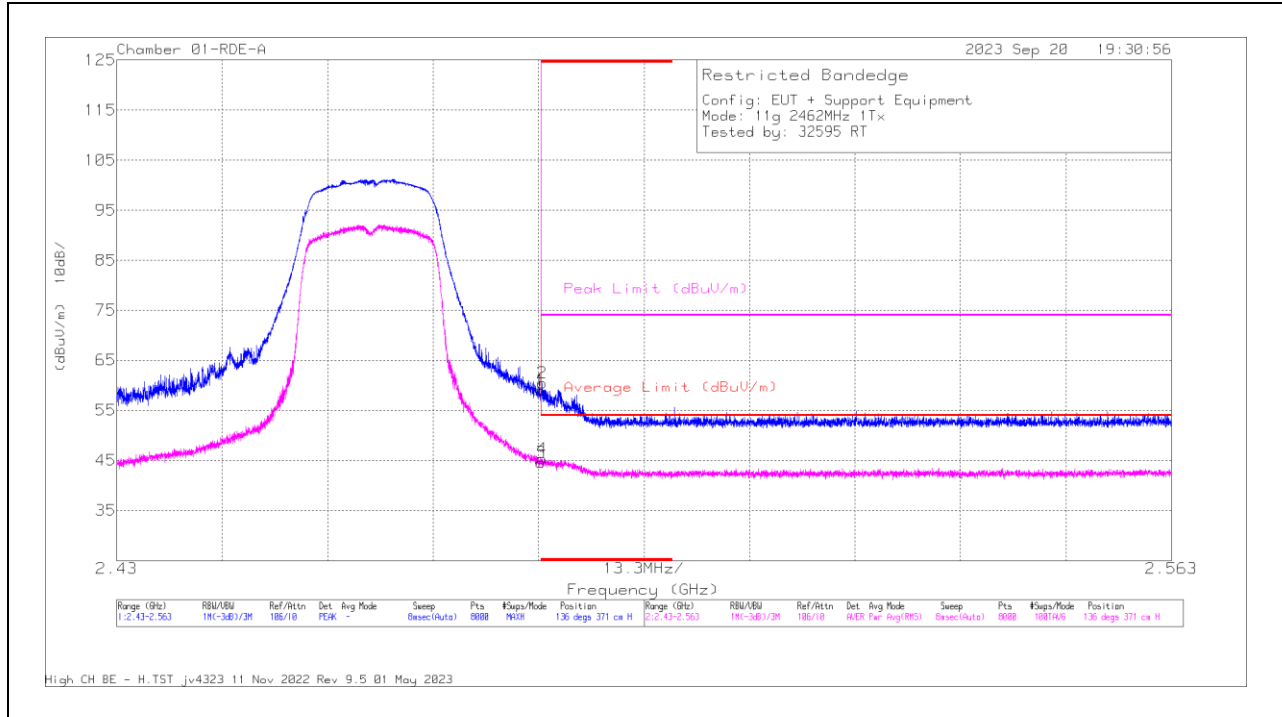
### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	91886 ACF 3m (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	51.65	Pk	32.2	0	-19.35	64.5	-	-	74	-9.5	318	106	V
2	* 2.389766	52.8	Pk	32.2	0	-19.35	65.65	-	-	74	-8.35	318	106	V
3	* 2.39	34.3	RMS	32.2	56	-19.35	47.71	54	-6.29	-	-	318	106	V
4	* 2.389826	35.36	RMS	32.2	56	-19.35	48.77	54	-5.23	-	-	318	106	V

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

**BANDEDGE (HIGH CHANNEL, CH 11)**

**HORIZONTAL RESULT**

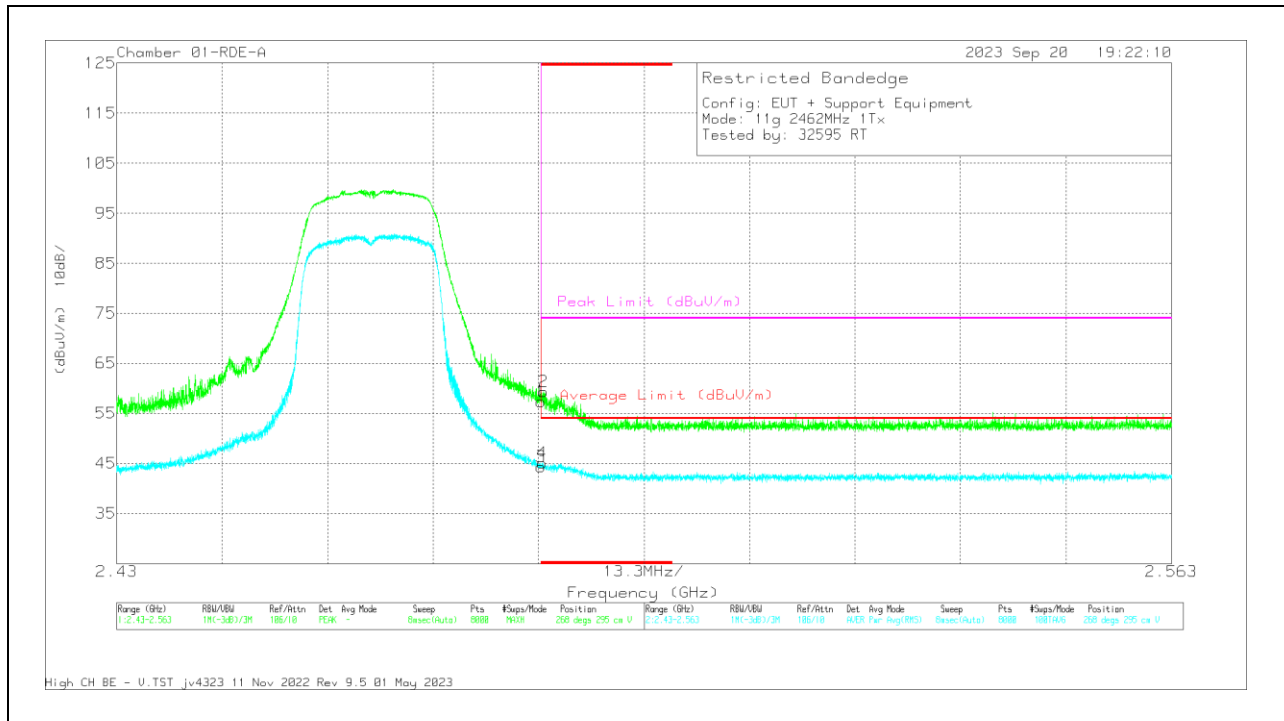


**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81886 ACF 3m (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4839	45.3	PK	32.5	0	-18.86	58.94	-	-	74	-15.06	136	371	H
2	* 2.483672	46.85	PK	32.5	0	-18.85	60.5	-	-	74	-13.5	136	371	H
3	* 2.4835	30.34	RMS	32.5	.56	-18.86	44.54	54	-9.46	-	-	136	371	H
4	* 2.483689	31.18	RMS	32.5	.56	-18.85	45.39	54	-8.61	-	-	136	371	H

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

### VERTICAL RESULT



### Trace Markers

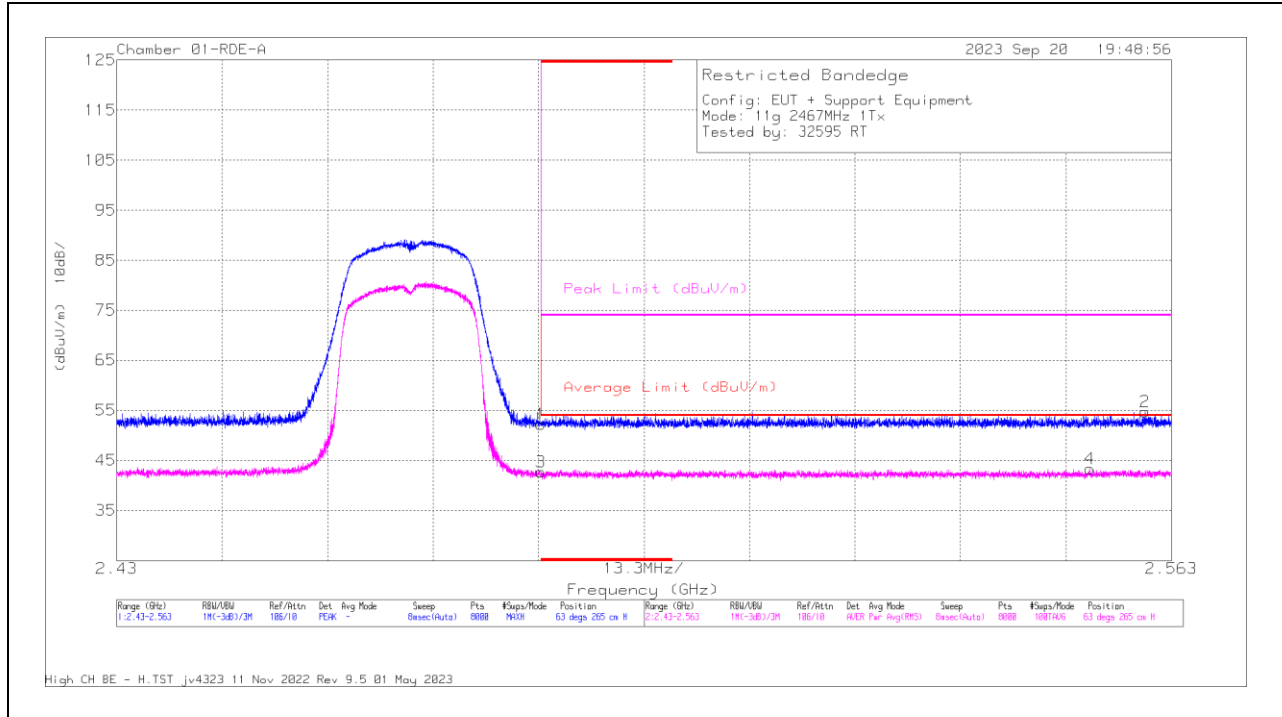
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	91886 ACF 3m (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	43.74	Pk	32.5	0	-18.86	57.36	-	-	74	-16.62	268	295	V
2	* 2.483772	45.75	Pk	32.5	0	-18.85	59.4	-	-	74	-14.6	268	295	V
3	* 2.4835	30.15	RMS	32.5	56	-18.86	44.35	54	-9.65	-	-	268	295	V
4	* 2.483622	30.88	RMS	32.5	56	-18.85	45.09	54	-8.91	-	-	268	295	V

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



**BANDEDGE (HIGH CHANNEL, CH 12)**

**HORIZONTAL RESULT**

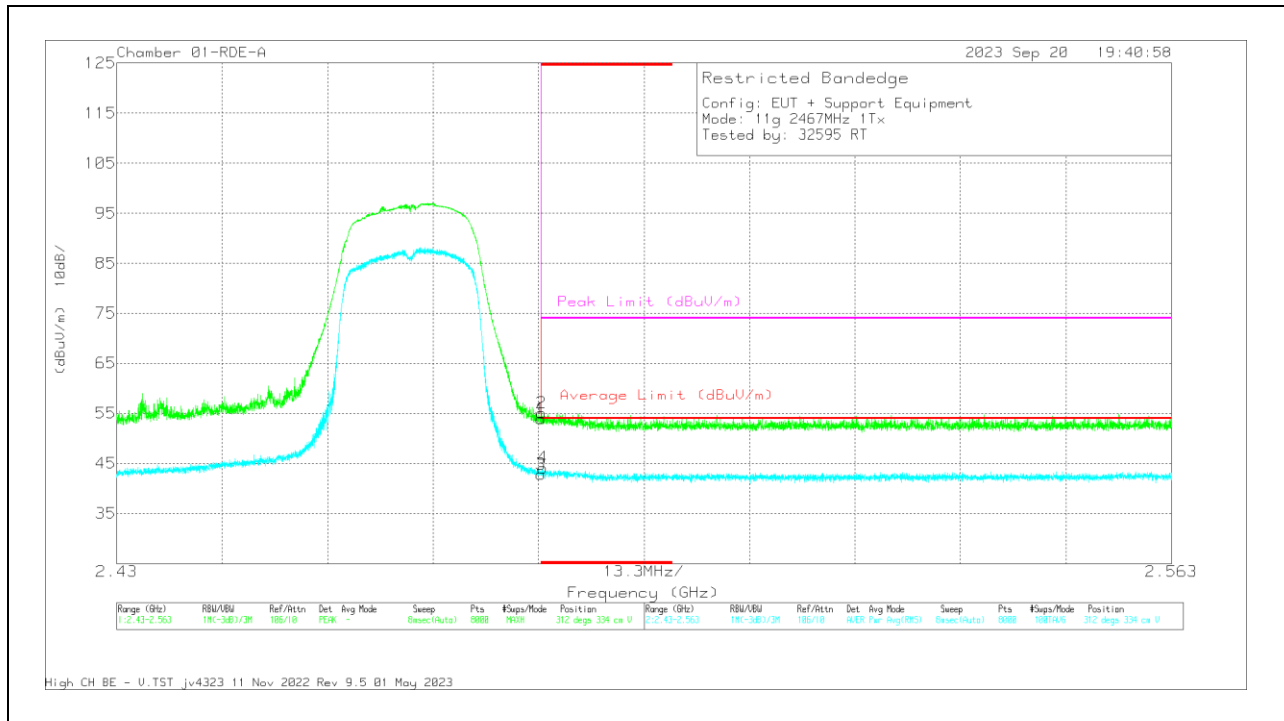


**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81888 ACF 3m (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.4835	38.6	PK	32.5	0	-18.86	52.24	-	-	74	-21.76	63	265	H
3	2.4835	28.49	RMS	32.5	.56	-18.86	42.69	54	-11.31	-	-	63	265	H
4	2.552741	28.9	RMS	32.5	.56	-18.61	43.35	54	-10.65	-	-	63	265	H
2	2.559691	40.74	PK	32.5	0	-18.52	54.72	-	-	74	-19.28	63	265	H

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

### VERTICAL RESULT



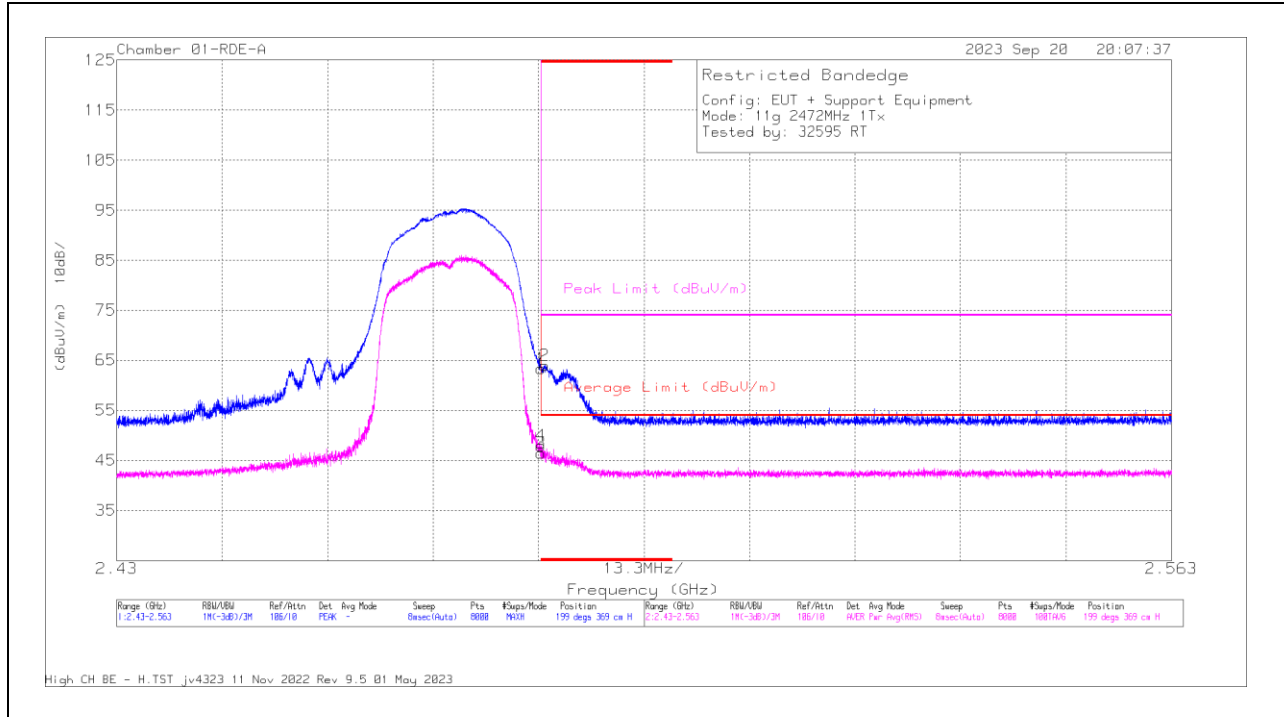
### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	91886 ACF 3m (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	40.35	Pk	32.5	0	-18.86	53.99	-	-	74	-20.01	312	334	V
2	* 2.483605	41.45	Pk	32.5	0	-18.85	55.1	-	-	74	-18.9	312	334	V
3	* 2.4835	28.65	RMS	32.5	56	-18.86	42.85	54	-11.15	-	-	312	334	V
4	* 2.483705	29.94	RMS	32.5	56	-18.85	44.15	54	-9.85	-	-	312	334	V

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

**BANDEDGE (HIGH CHANNEL, CH 13)**

**HORIZONTAL RESULT**

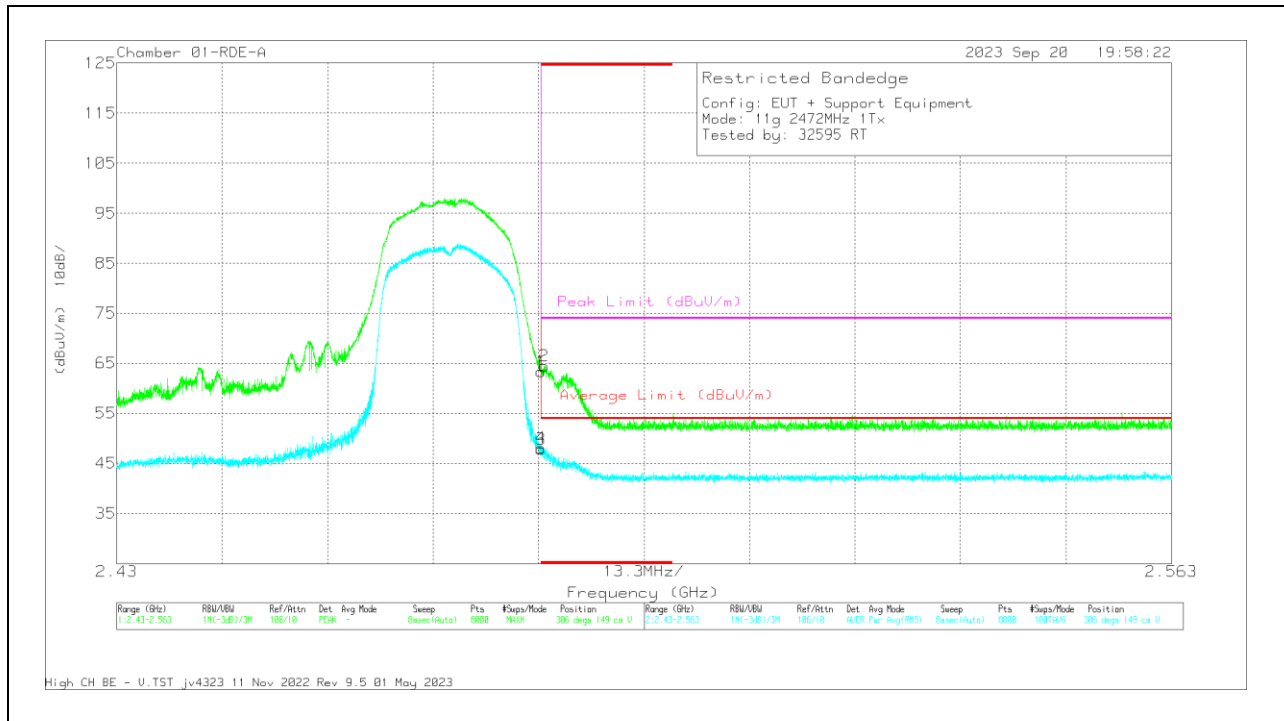


**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81886 ACF 3m (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuVm)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	49.74	PK	32.5	0	-18.86	63.38	-	-	74	-10.62	199	369	H
2	* 2.484005	50.29	PK	32.5	0	-18.84	63.95	-	-	74	-10.05	199	369	H
3	* 2.4835	32.22	RMS	32.5	.56	-18.86	46.42	54	-7.58	-	-	199	369	H
4	* 2.483522	33.79	RMS	32.5	.56	-18.85	48	54	-6	-	-	199	369	H

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

### VERTICAL RESULT



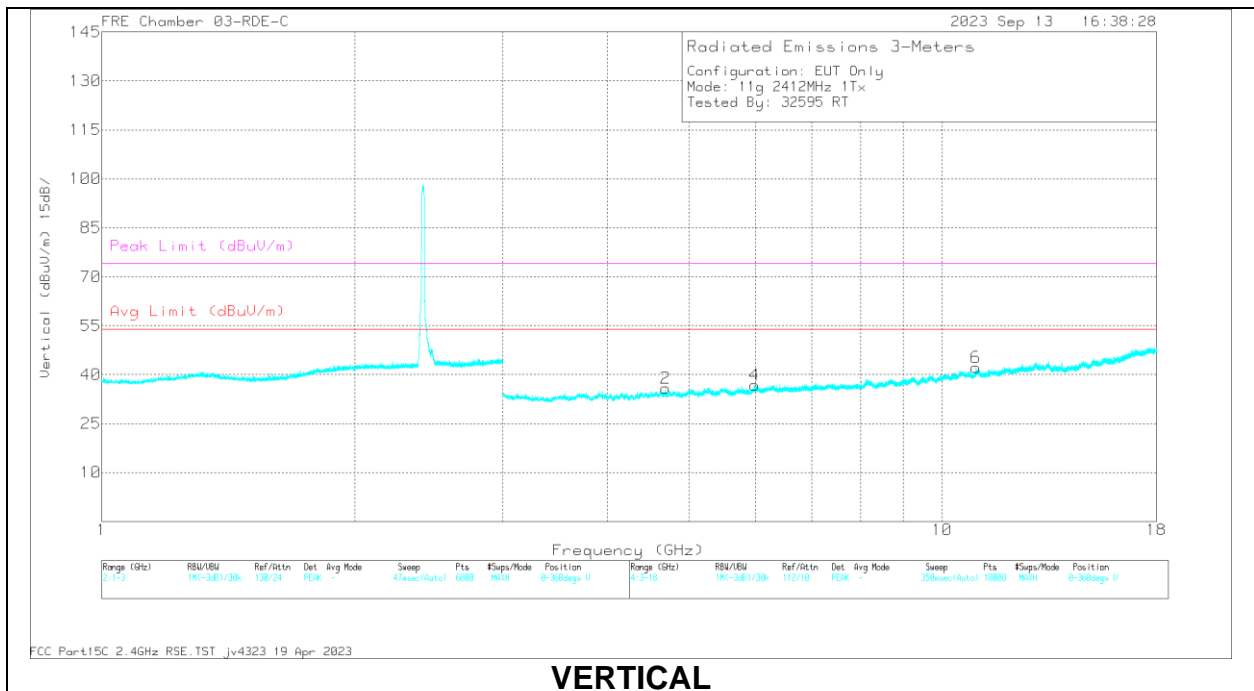
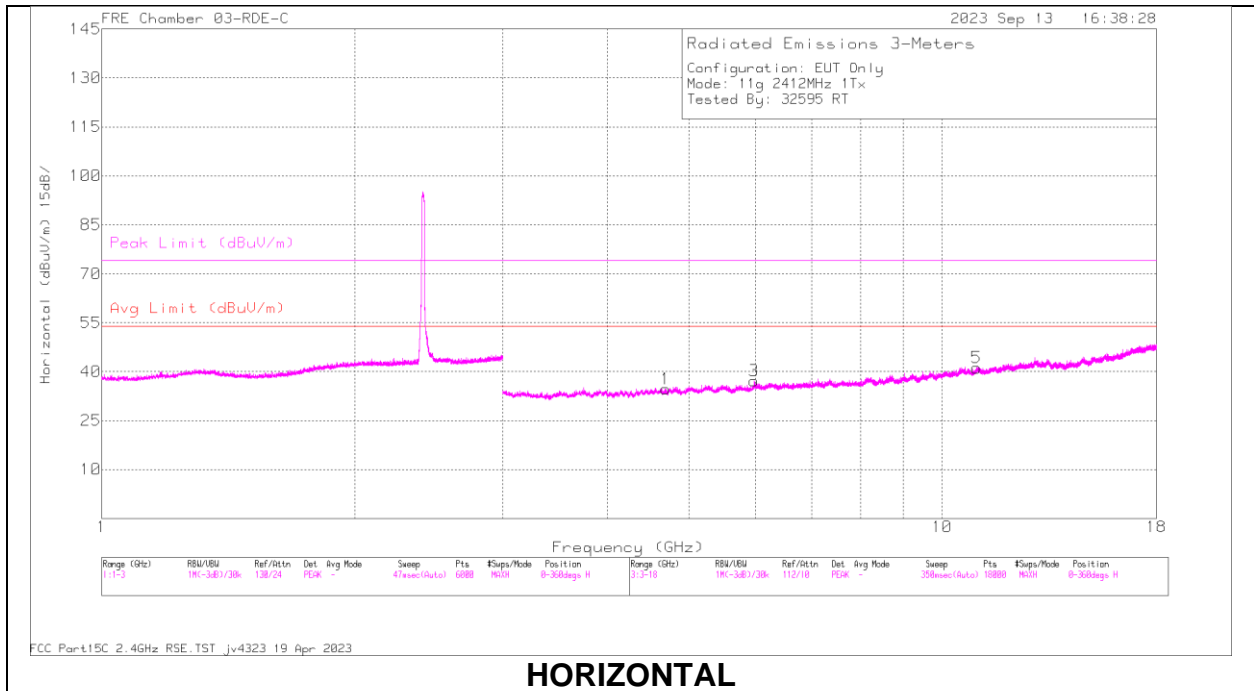
### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	91886 ACF 3m (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	49.77	Pk	32.5	0	-18.86	63.41	-	-	74	-10.59	306	149	V
2	* 2.483888	50.84	Pk	32.5	0	-18.84	64.5	-	-	74	-9.5	306	149	V
3	* 2.4835	33.68	RMS	32.5	56	-18.86	47.88	54	-6.12	-	-	306	149	V
4	* 2.483506	33.93	RMS	32.5	56	-18.85	48.14	54	-5.86	-	-	306	149	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**

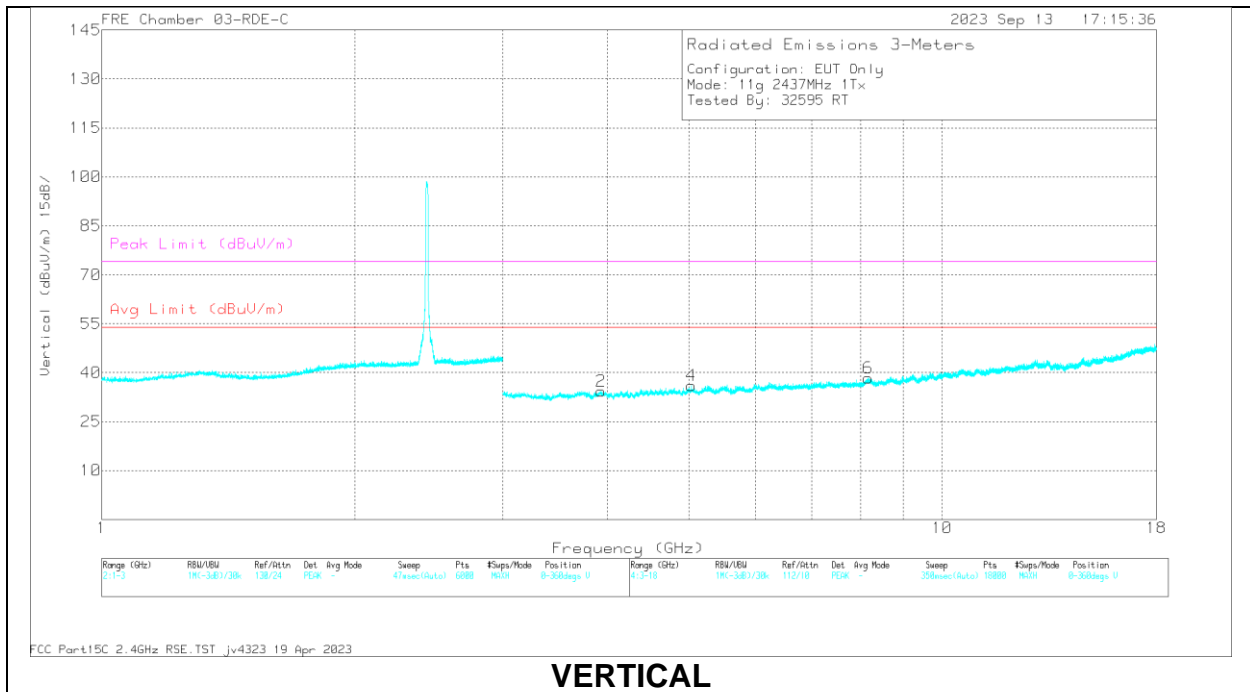
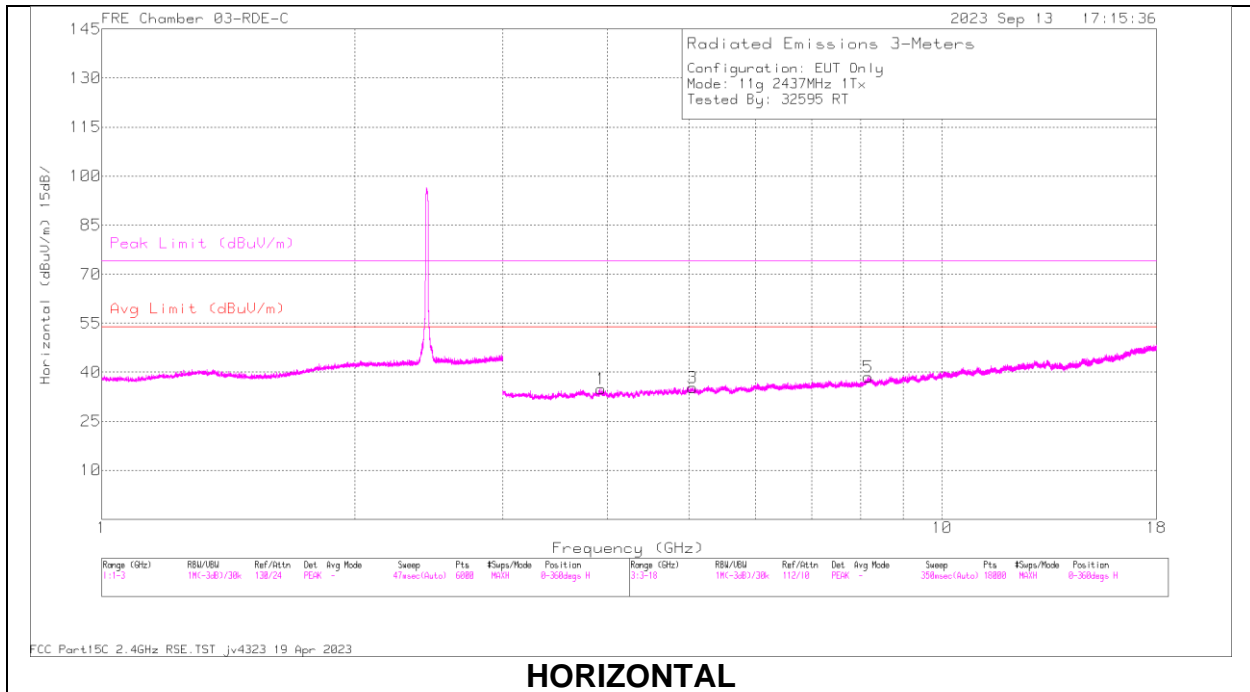


**Radiated Emissions**

Marker	Frequency (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)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.686109	58.23	PK2	34	0	-47.59	44.64	-	-	74	-29.36	3	200	H
	* 4.687153	46.5	MAv1	34	.56	-47.52	33.54	54	-20.46	-	-	3	200	H
5	* 10.992795	56.55	PK2	37.8	0	-43.6	50.75	-	-	74	-23.25	192	271	H
	* 10.99469	45.04	MAv1	37.8	.56	-43.47	39.93	54	-14.07	-	-	192	271	H
2	* 4.690066	58.25	PK2	34	0	-47.59	44.66	-	-	74	-29.34	272	213	V
	* 4.687854	46.57	MAv1	34	.56	-47.59	33.54	54	-20.46	-	-	272	213	V
6	* 10.978052	56.56	PK2	37.8	0	-43.7	50.66	-	-	74	-23.34	215	304	V
	* 10.978312	45.06	MAv1	37.8	.56	-43.7	39.72	54	-14.28	-	-	215	304	V
3	5.978451	57.24	PK2	35.2	0	-45.55	46.69	-	-	74	-27.11	272	173	V
	5.980443	44.93	MAv1	35.2	.56	-45.56	35.13	-	-	-	-	270	192	H
4	5.981767	44.96	MAv1	35.2	.56	-45.58	35.14	-	-	-	-	272	173	V
	5.982028	56.41	PK2	35.2	0	-45.6	46.01	-	-	74	-27.99	270	192	H

\* - 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



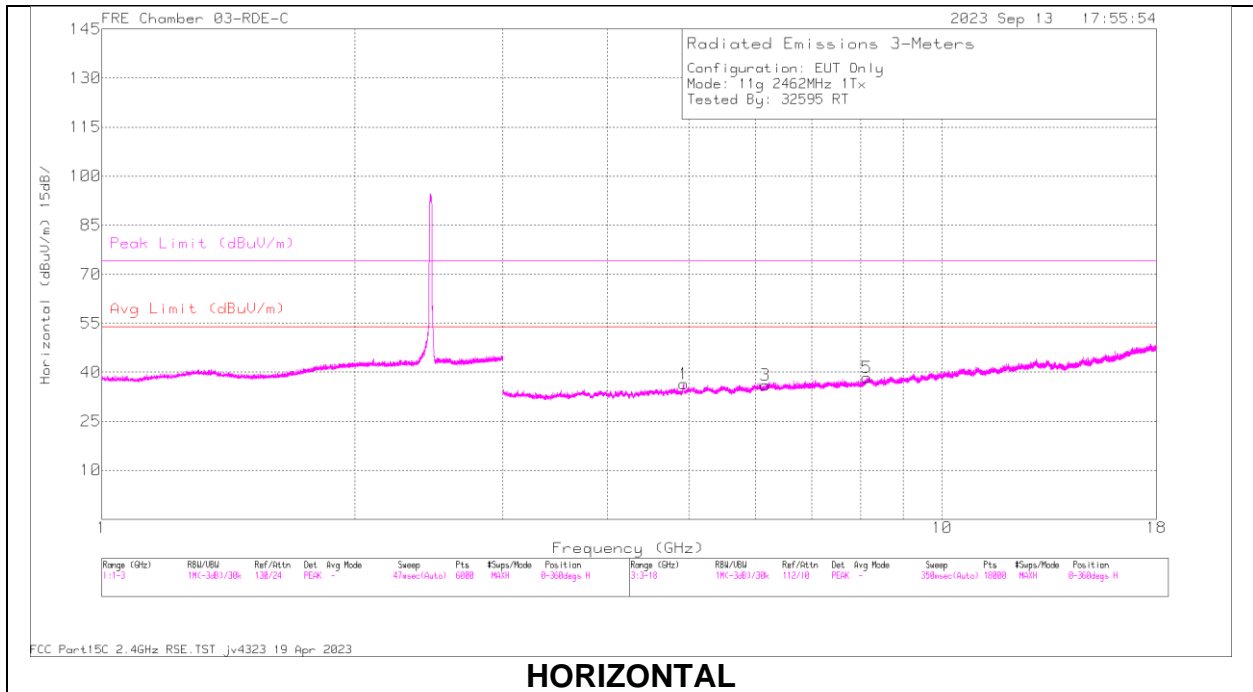
**Radiated Emissions**

Marker	Frequency (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)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.928503	57.24	PK2	33.4	0	-46.25	44.39	-	-	74	-29.61	283	376	H
	* 3.928764	45.53	MAv1	33.4	.56	-46.22	33.27	54	-20.73	-	-	283	376	H
3	* 5.056571	58.48	PK2	34.2	0	-47.2	45.48	-	-	74	-28.52	342	259	H
	* 5.054811	46.45	MAv1	34.2	.56	-47.2	34.01	54	-19.99	-	-	342	259	H
5	* 8.161552	56.17	PK2	35.9	0	-43.9	48.17	-	-	74	-25.83	59	315	H
	* 8.161243	44.44	MAv1	35.9	.56	-43.9	37	54	-17	-	-	59	315	H
2	* 3.935292	56.78	PK2	33.4	0	-46.27	43.91	-	-	74	-30.09	135	193	V
	* 3.934619	45.16	MAv1	33.4	.56	-46.26	32.86	54	-21.14	-	-	135	193	V
4	* 5.02933	58.39	PK2	34.1	0	-47.2	45.29	-	-	74	-28.71	58	330	V
	* 5.031822	46.83	MAv1	34.1	.56	-47.1	34.39	54	-19.61	-	-	58	330	V
6	* 8.167968	55.76	PK2	35.9	0	-43.8	47.86	-	-	74	-26.14	126	109	V
	* 8.16803	44.43	MAv1	35.9	.56	-43.8	37.09	54	-16.91	-	-	126	109	V

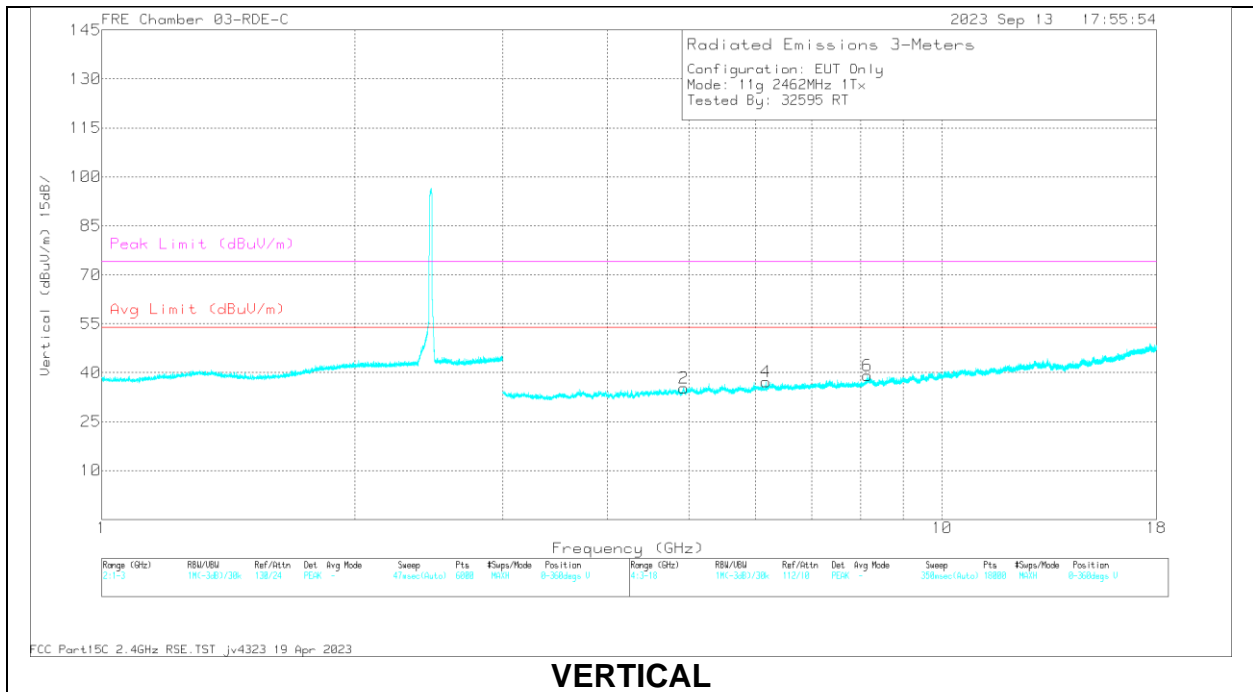
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK2 - KDB558074 Method: Maximum Peak  
 MAv1 - KDB558074 Option 1 Maximum RMS Average



### HIGH CHANNEL, CH 11 RESULTS



**HORIZONTAL**



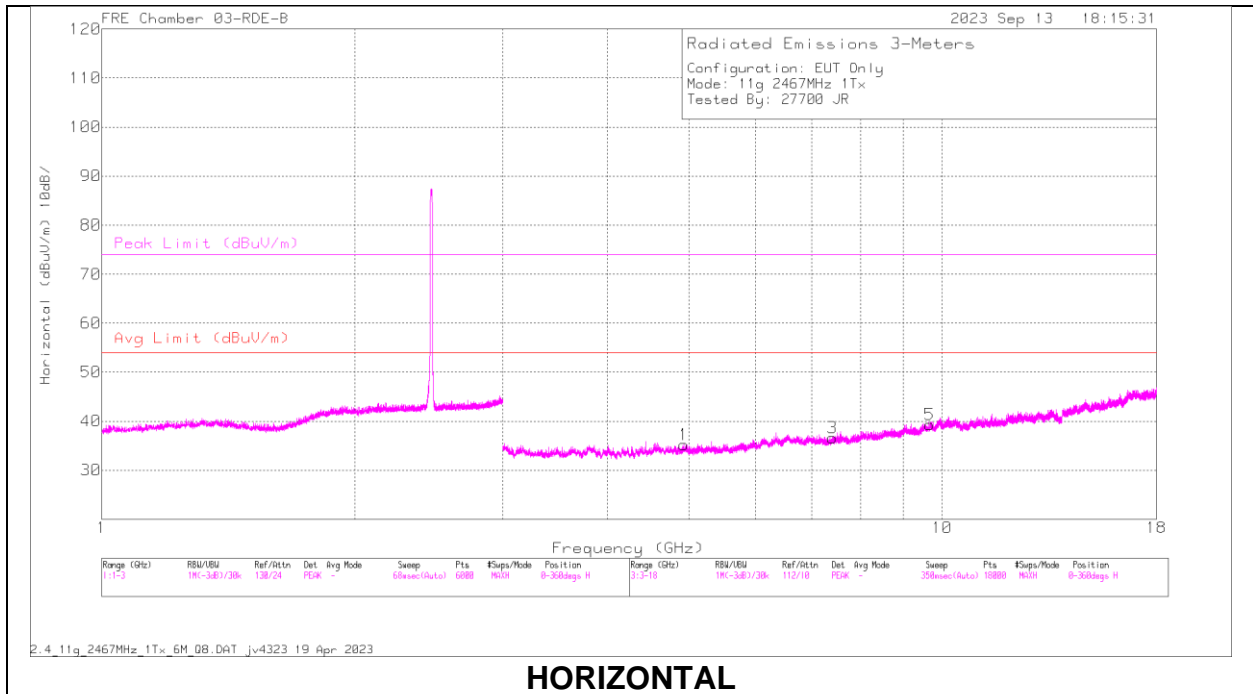
**VERTICAL**

**Radiated Emissions**

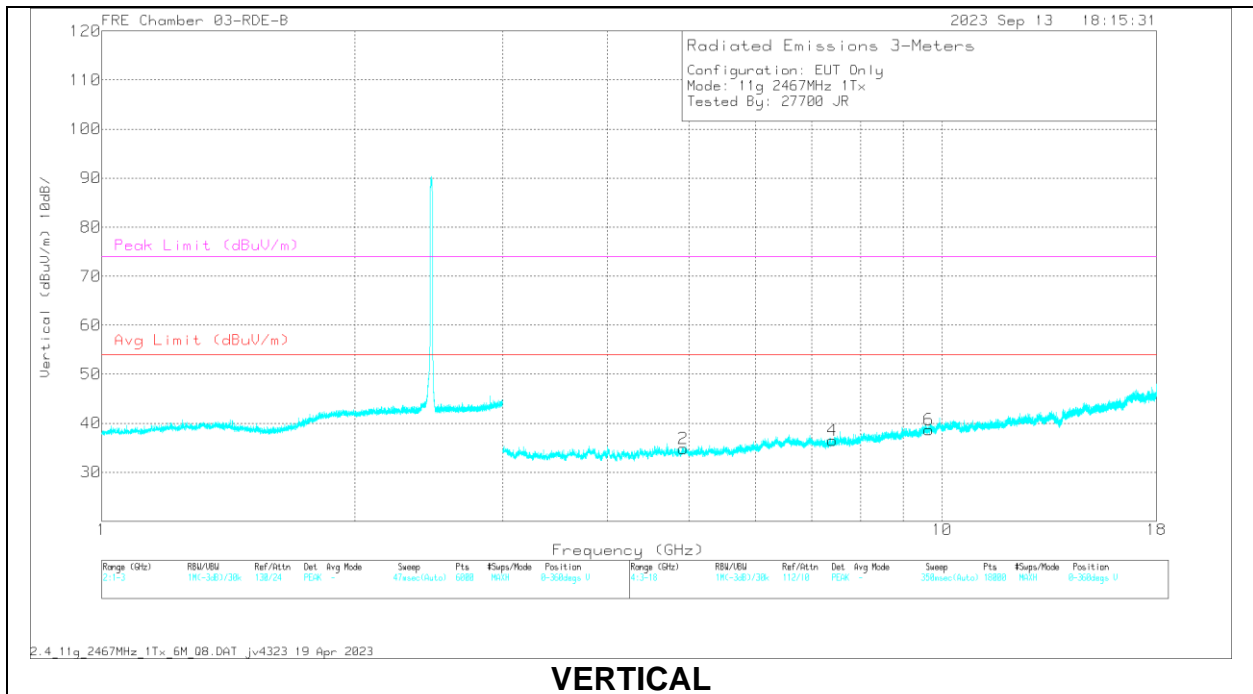
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	226672 ACF (dB) 3mH	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.925893	58.4	PK2	34	0	-47.59	44.81	-	-	74	-29.19	214	215	H
	* 4.927359	46.52	MAv1	34	.56	-47.6	33.48	54	-20.52	-	-	214	215	H
5	* 8.14269	55.72	PK2	35.9	0	-43.97	47.65	-	-	74	-26.35	220	173	H
	* 8.143983	44.37	MAv1	35.9	.56	-43.9	36.93	54	-17.07	-	-	220	173	H
2	* 4.926752	59.03	PK2	34	0	-47.6	45.43	-	-	74	-28.57	17	300	V
	* 4.924845	46.7	MAv1	34	.56	-47.52	33.74	54	-20.26	-	-	17	300	V
6	* 8.155296	56.11	PK2	35.9	0	-43.8	48.21	-	-	74	-25.79	71	105	V
	* 8.154744	44.32	MAv1	35.9	.56	-43.8	36.98	54	-17.02	-	-	71	105	V
3	6.166468	44.37	MAv1	35.4	.56	-45.65	34.68	-	-	-	-	17	116	H
	6.169374	56.21	PK2	35.4	0	-45.6	46.01	-	-	74	-27.99	17	116	H
4	6.169602	44.66	MAv1	35.4	.56	-45.6	35.02	-	-	-	-	299	134	V
	6.17235	56.19	PK2	35.4	0	-45.56	46.03	-	-	74	-27.97	299	134	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 12 RESULTS



**HORIZONTAL**



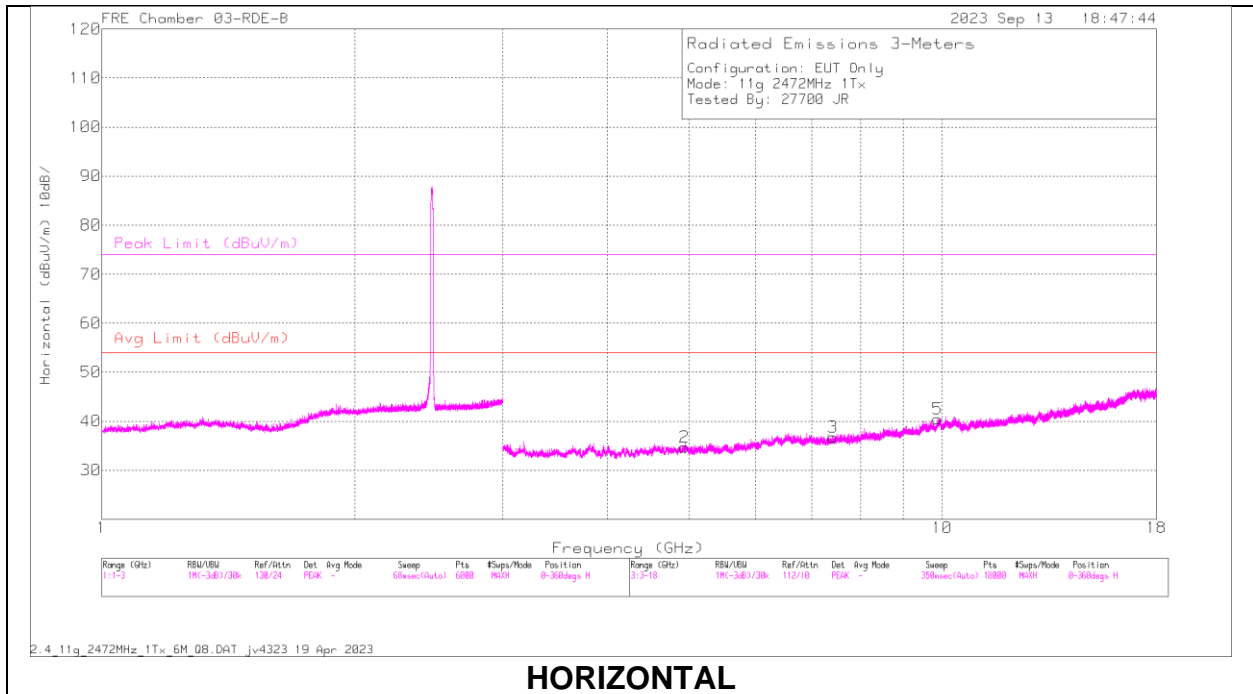
**VERTICAL**

**Radiated Emissions**

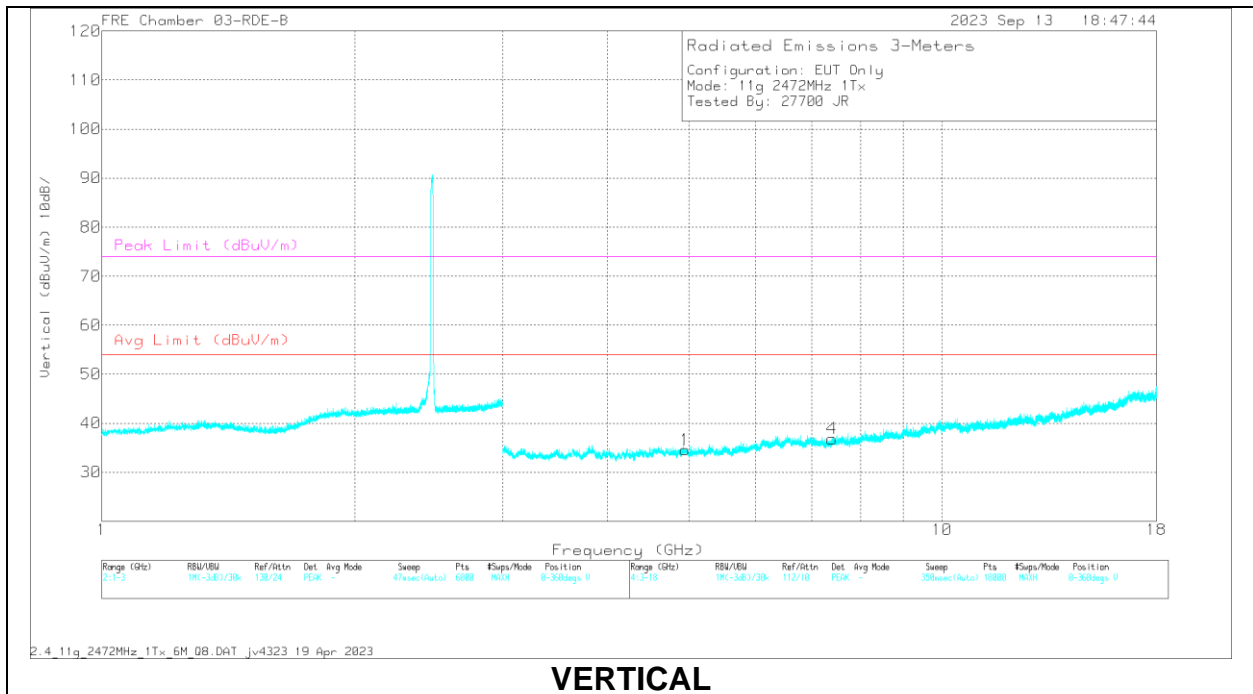
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.923989	59.63	PK2	34.2	0	-49.1	44.73	-	-	74	-29.27	130	379	H
	* 4.924476	48.28	MAv1	34.2	.56	-49.1	33.94	54	-20.06	-	-	130	379	H
3	* 7.409279	58.85	PK2	35.9	0	-47.37	47.38	-	-	74	-26.62	85	379	H
	* 7.409011	46.73	MAv1	35.9	.56	-47.4	35.79	54	-18.21	-	-	85	379	H
2	* 4.921006	59.94	PK2	34.2	0	-49.1	45.04	-	-	74	-28.96	88	359	V
	* 4.918982	48.32	MAv1	34.2	.56	-49.2	33.88	54	-20.12	-	-	88	359	V
4	* 7.40262	57.76	PK2	35.9	0	-47.3	46.36	-	-	74	-27.64	257	211	V
	* 7.40075	46.62	MAv1	35.9	.56	-47.3	35.78	54	-18.22	-	-	257	211	V
6	9.646932	58.37	PK2	37.1	0	-47	48.47	-	-	74	-25.53	108	126	V
	9.647429	46.69	MAv1	37.1	.56	-47	37.35	-	-	-	-	108	126	V
5	9.668644	58.62	PK2	37.1	0	-47.3	48.42	-	-	74	-25.58	350	176	H
	9.669732	47.23	MAv1	37.1	.56	-47.3	37.59	-	-	-	-	350	176	H

\* - 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 13 RESULTS



**HORIZONTAL**



**VERTICAL**

**Radiated Emissions**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 4.934748	60.07	PK2	34.2	0	-49.1	45.17	-	-	74	-28.83	22	183	H
	* 4.934166	48.16	MAv1	34.2	.56	-49.1	33.82	54	-20.18	-	-	22	183	H
3	* 7.418487	58.24	PK2	35.9	0	-47.4	46.74	-	-	74	-27.26	332	282	H
	* 7.415827	46.66	MAv1	35.9	.56	-47.32	35.8	54	-18.2	-	-	332	282	H
1	* 4.948492	59.8	PK2	34.2	0	-49.15	44.85	-	-	74	-29.15	225	239	V
	* 4.950674	48.29	MAv1	34.2	.56	-49.1	33.95	54	-20.05	-	-	225	239	V
4	* 7.399959	58.09	PK2	35.9	0	-47.3	46.69	-	-	74	-27.31	159	386	V
	* 7.399781	46.56	MAv1	35.9	.56	-47.3	35.72	54	-18.28	-	-	159	386	V
5	9.882848	48.21	MAv1	37.4	.56	-47.62	38.55	-	-	-	-	112	101	H
	9.883883	60.35	PK2	37.4	0	-47.69	50.06	-	-	74	-23.94	112	101	H

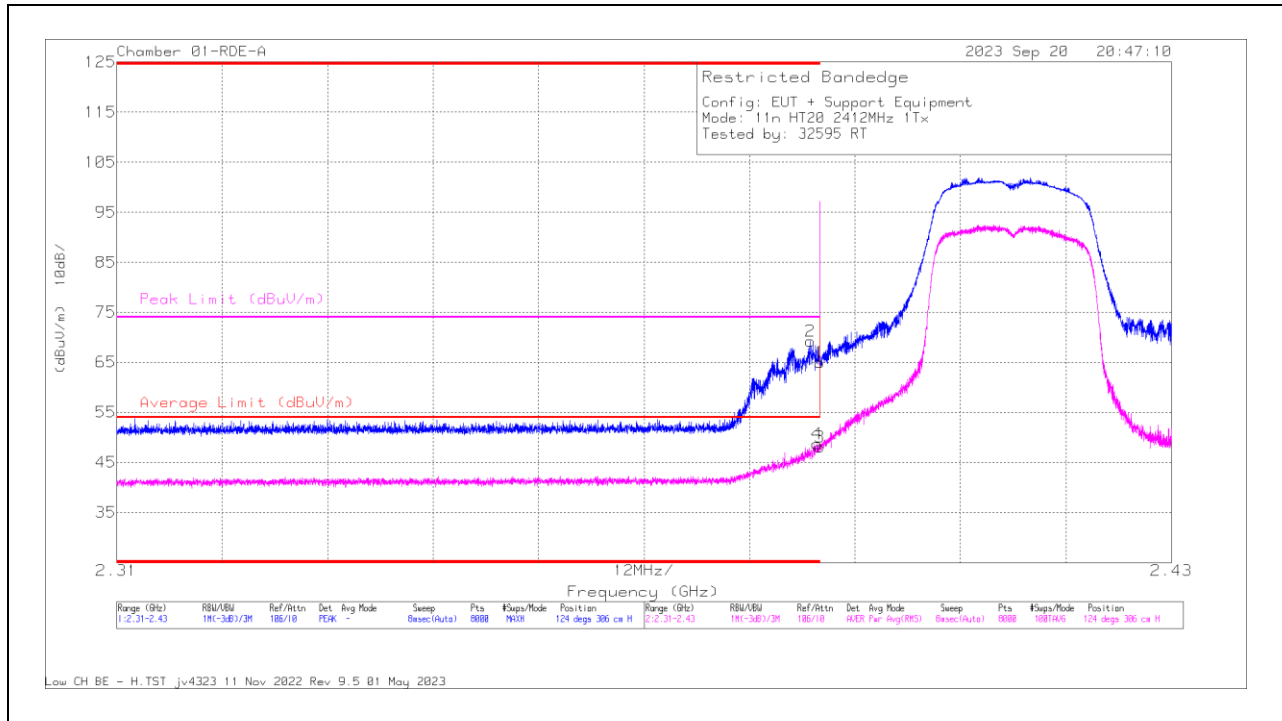
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK2 - KDB558074 Method: Maximum Peak  
 MAv1 - KDB558074 Option 1 Maximum RMS Average

### 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

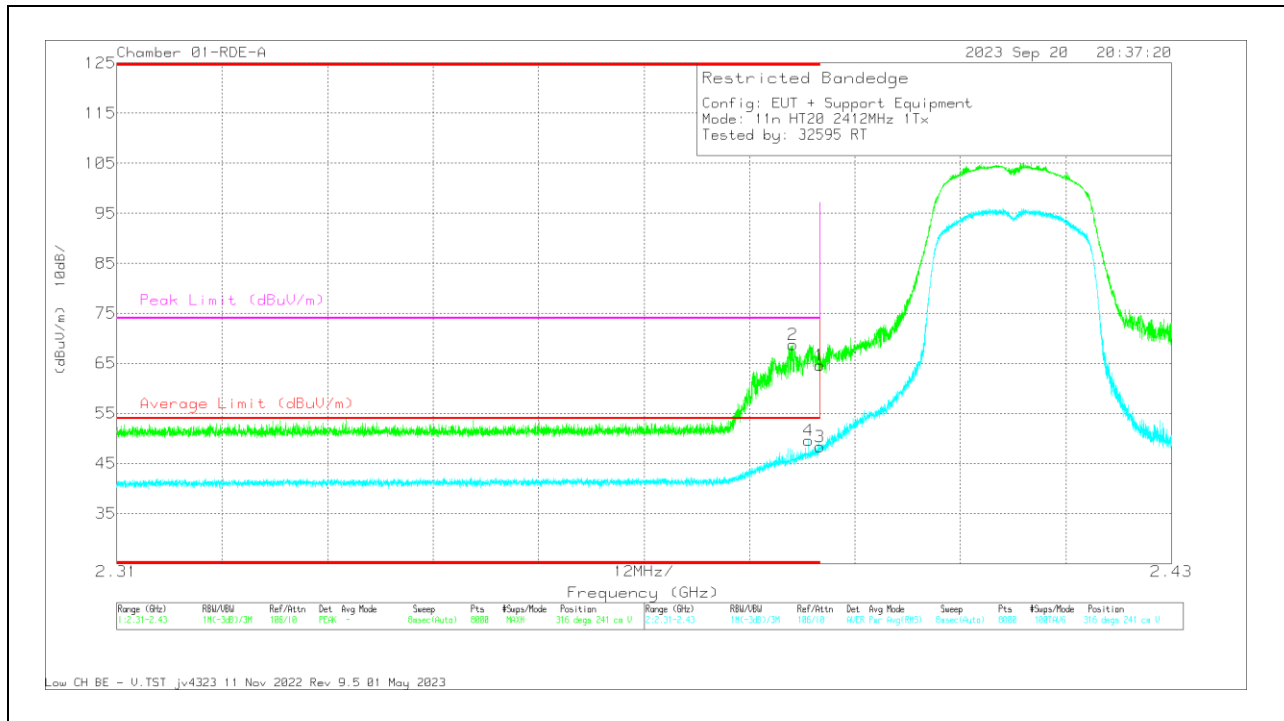


#### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81886 ACF 3m (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	52.18	Pk	32.2	0	-19.35	65.03	-	-	74	-8.97	124	306	H
2	* 2.388911	56.34	Pk	32.2	0	-19.34	69.2	-	-	74	-4.8	124	306	H
3	* 2.39	34.75	RMS	32.2	.54	-19.35	48.14	54	-5.86	-	-	124	306	H
4	* 2.389676	35.31	RMS	32.2	.54	-19.35	48.7	54	-5.3	-	-	124	306	H

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

### VERTICAL RESULT



### Trace Markers

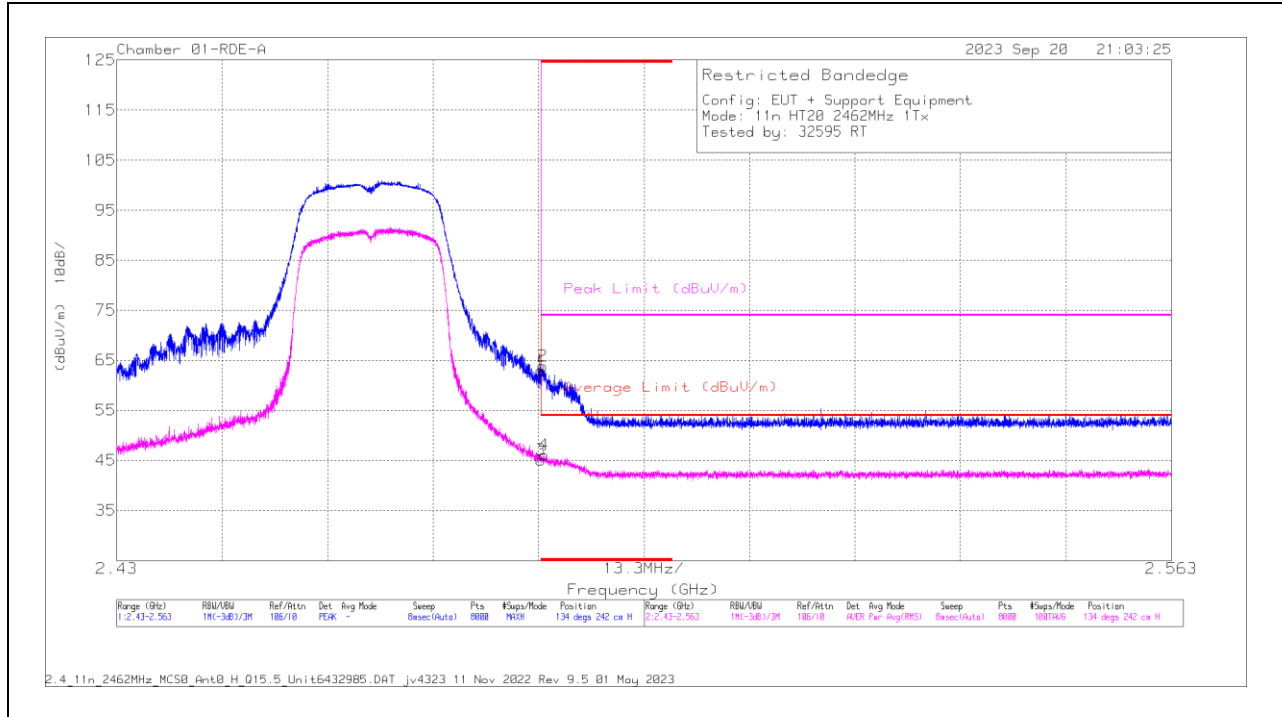
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	#1888 ACF 3m (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	51.78	Pk	32.2	0	-19.35	64.63	-	-	74	-9.37	316	241	V
2	* 2.38693	55.93	Pk	32.2	0	-19.38	68.75	-	-	74	-5.25	316	241	V
3	* 2.39	34.96	RMS	32.2	.54	-19.35	48.35	54	-5.65	-	-	316	241	V
4	* 2.3887	36.26	RMS	32.2	.54	-19.35	49.65	54	-4.35	-	-	316	241	V

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



**BANDEDGE (HIGH CHANNEL, CH 11)**

**HORIZONTAL RESULT**

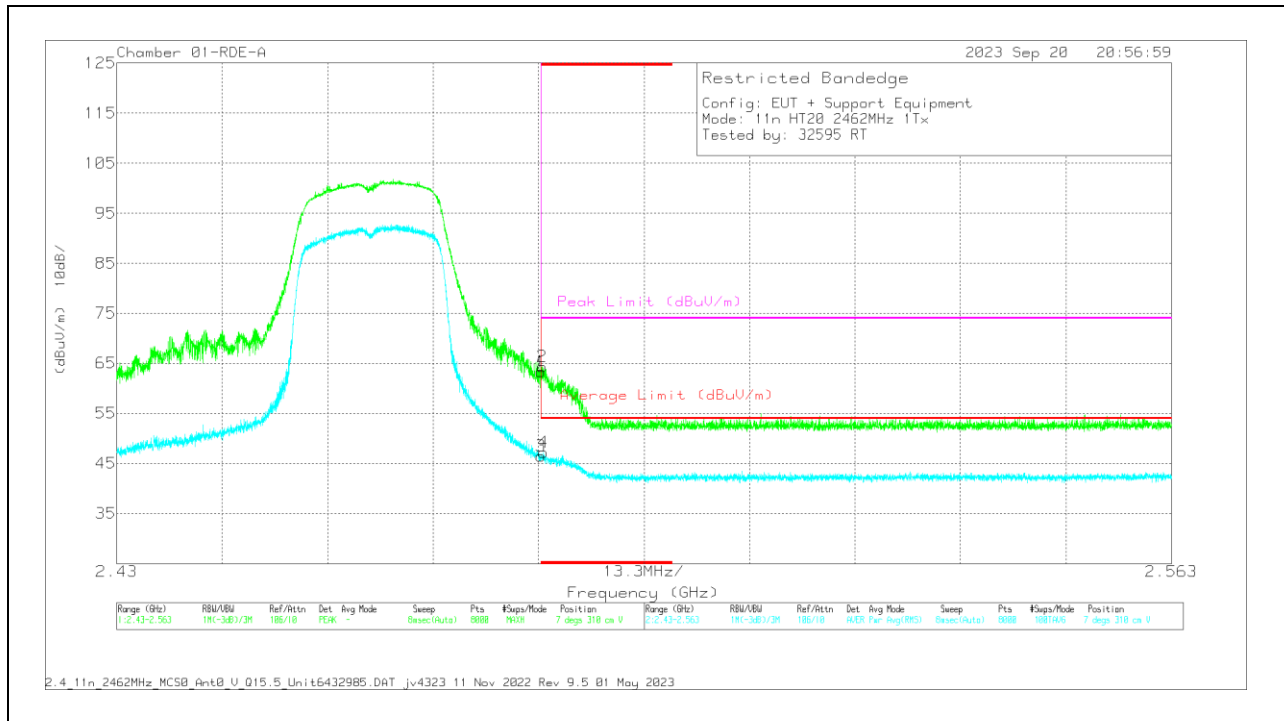


**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81886 ACF 3m (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuVm)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	49.37	PK	32.5	0	-18.86	63.01	-	-	74	-10.99	134	242	H
2	* 2.483722	50.17	PK	32.5	0	-18.85	63.82	-	-	74	-10.18	134	242	H
3	* 2.4835	30.93	RMS	32.5	.54	-18.86	45.11	54	-8.89	-	-	134	242	H
4	* 2.483905	31.89	RMS	32.5	.54	-18.84	46.09	54	-7.91	-	-	134	242	H

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

### VERTICAL RESULT



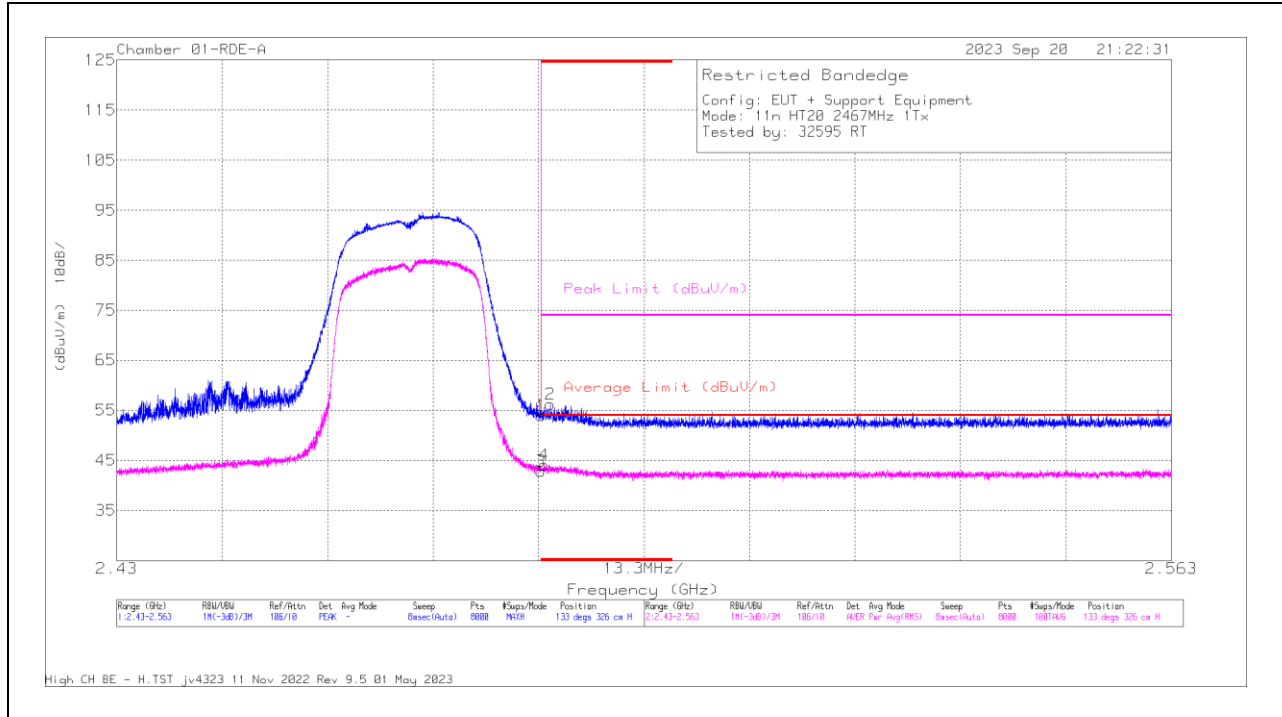
### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	91886 ACF 3m (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	49.75	Pk	32.5	0	-18.86	63.39	-	-	74	-10.61	7	310	V
2	* 2.483672	50.66	Pk	32.5	0	-18.85	64.31	-	-	74	-9.69	7	310	V
3	* 2.4835	32.3	RMS	32.5	.54	-18.86	46.48	54	-7.52	-	-	7	310	V
4	* 2.483788	33.06	RMS	32.5	.54	-18.85	47.25	54	-6.75	-	-	7	310	V

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

**BANDEDGE (HIGH CHANNEL, CH 12)**

**HORIZONTAL RESULT**

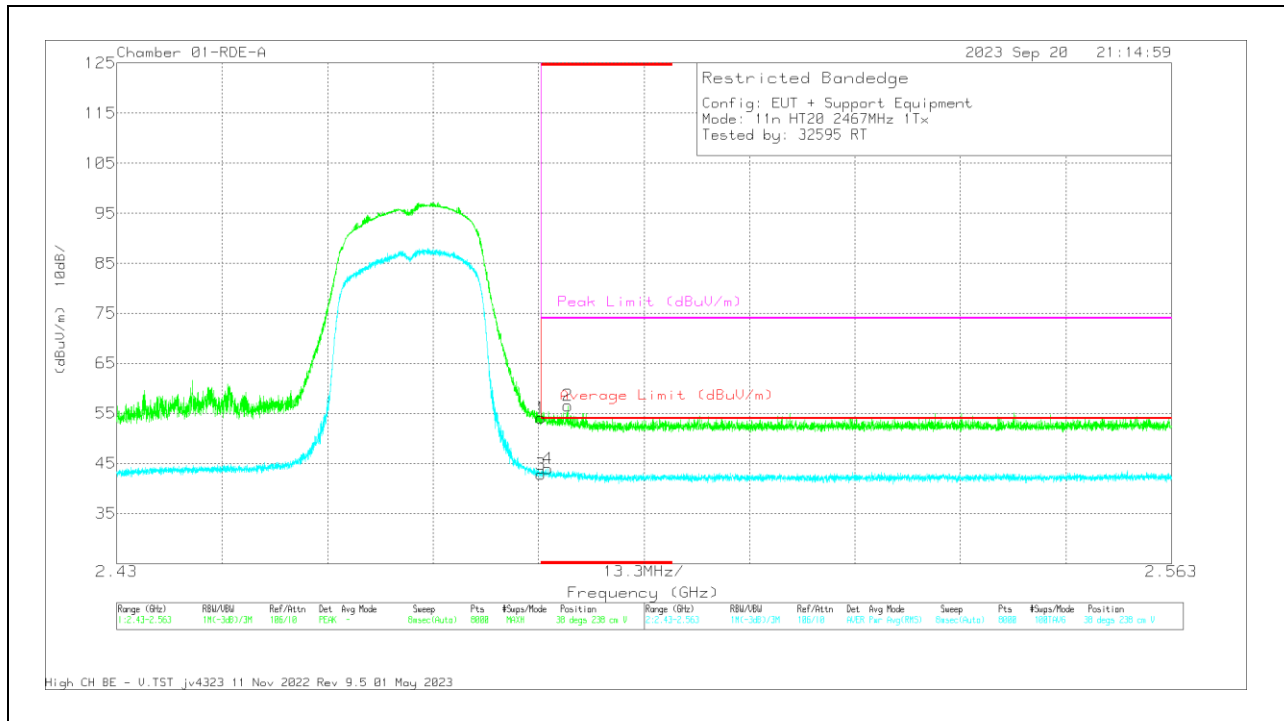


**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81896 ACF 3m (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	40.3	PK	32.5	0	-18.86	53.94	-	-	74	-20.06	133	326	H
2	* 2.48467	42.57	PK	32.5	0	-18.84	56.23	-	-	74	-17.77	133	326	H
3	* 2.4835	28.67	RMS	32.5	.54	-18.86	42.85	54	-11.15	-	-	133	326	H
4	* 2.483871	29.94	RMS	32.5	.54	-18.84	44.14	54	-9.86	-	-	133	326	H

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

### VERTICAL RESULT



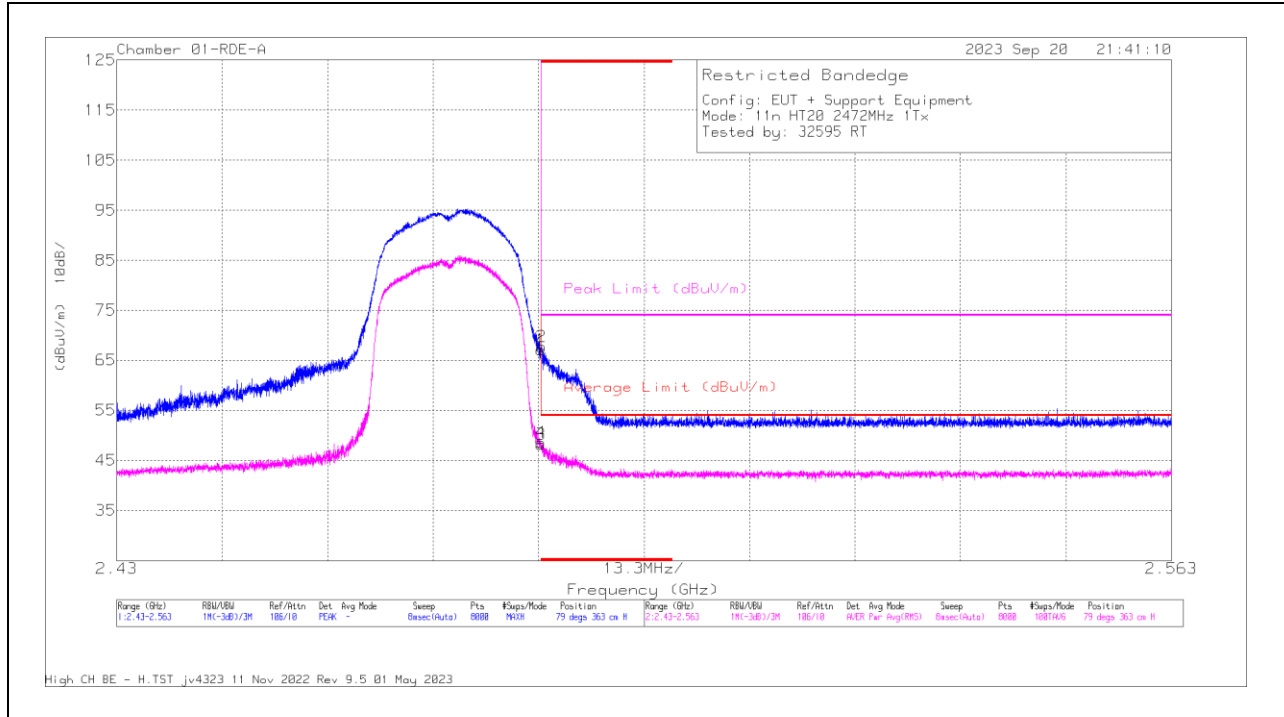
### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	91886 ACF 3m (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	40.42	Pk	32.5	0	-18.86	54.06	-	-	74	-19.94	38	238	V
2	* 2.486864	42.9	Pk	32.5	0	-18.86	56.54	-	-	74	-17.46	38	238	V
3	* 2.4835	28.63	RMS	32.5	54	-18.86	42.81	54	-11.19	-	-	38	238	V
4	* 2.48437	29.81	RMS	32.5	54	-18.84	44.01	54	-9.99	-	-	38	238	V

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

**BANDEDGE (HIGH CHANNEL, CH 13)**

**HORIZONTAL RESULT**

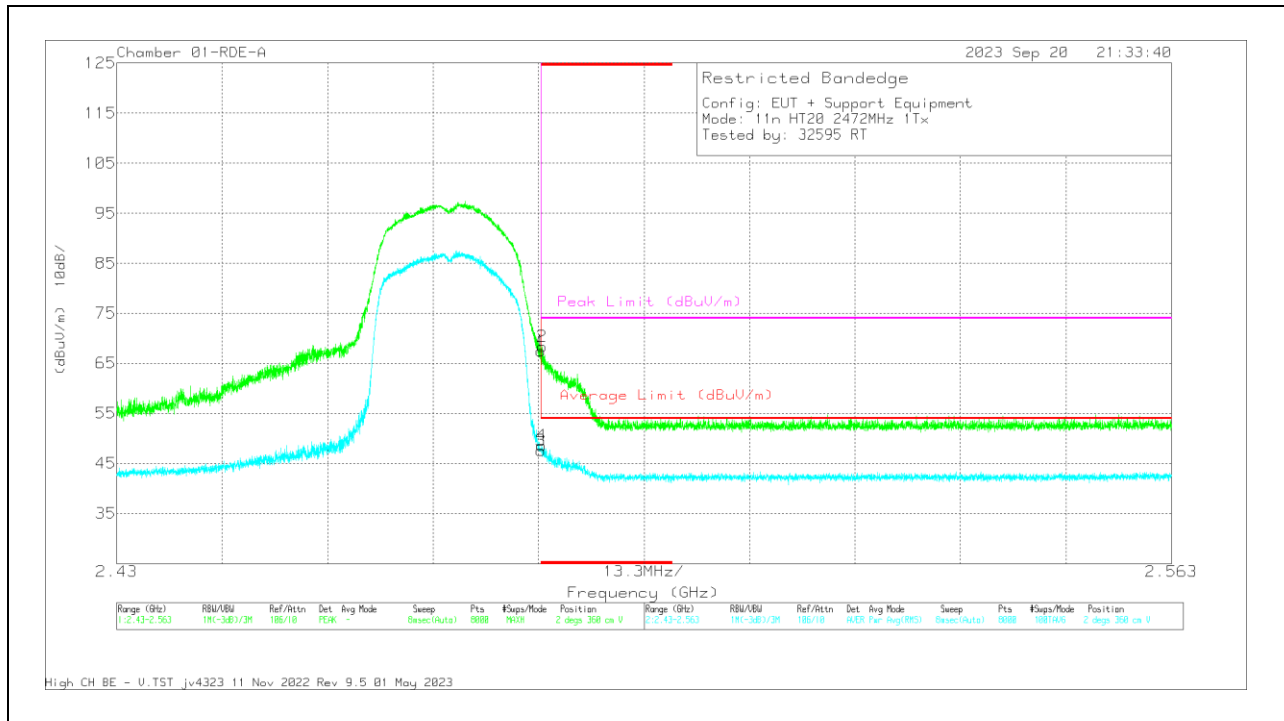


**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81886 ACF 3m (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	53.48	PK	32.5	0	-18.86	67.12	-	-	74	-6.88	79	363	H
2	* 2.483539	54.13	PK	32.5	0	-18.85	67.78	-	-	74	-6.22	79	363	H
3	* 2.4835	34.06	RMS	32.5	.54	-18.86	48.24	54	-5.76	-	-	79	363	H
4	* 2.483506	34.35	RMS	32.5	.54	-18.85	48.54	54	-5.46	-	-	79	363	H

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

### VERTICAL RESULT



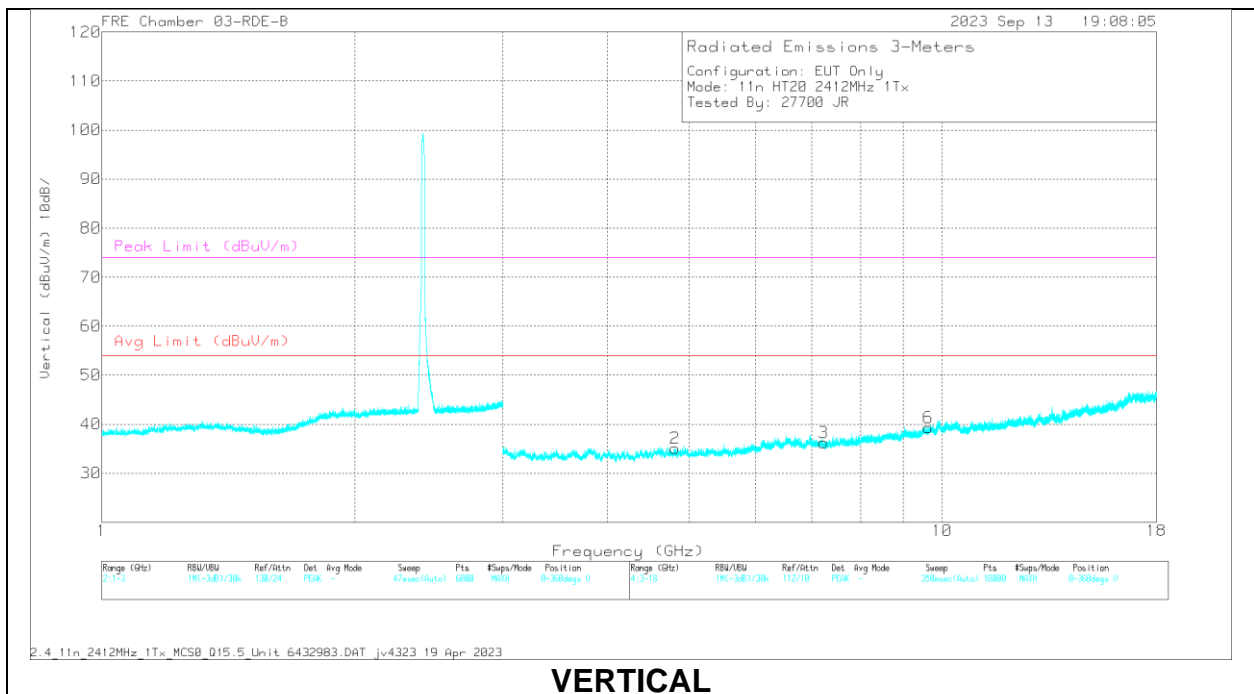
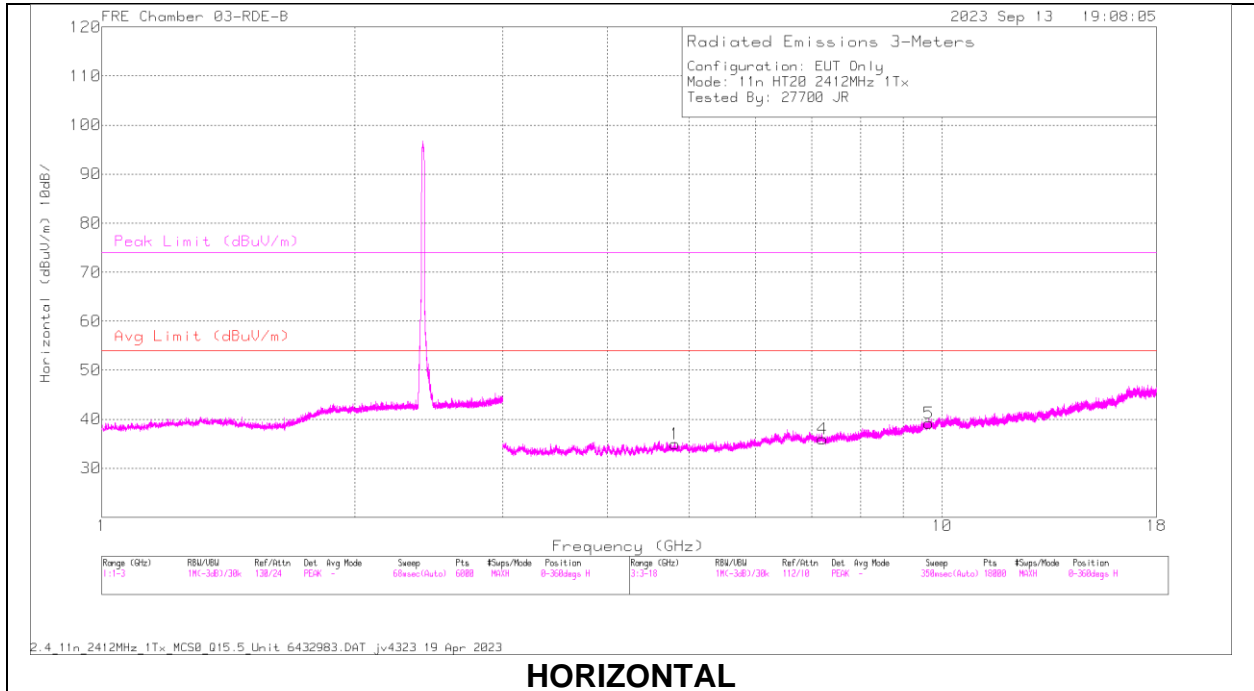
### Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	91886 ACF 3m (dBm)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	53.87	Pk	32.5	0	-18.86	67.51	-	-	74	-6.49	2	360	V
2	* 2.483622	54.68	Pk	32.5	0	-18.85	68.33	-	-	74	-5.67	2	360	V
3	* 2.4835	33.42	RMS	32.5	.54	-18.86	47.6	54	-6.4	-	-	2	360	V
4	* 2.483605	34.35	RMS	32.5	.54	-18.85	48.54	54	-5.46	-	-	2	360	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



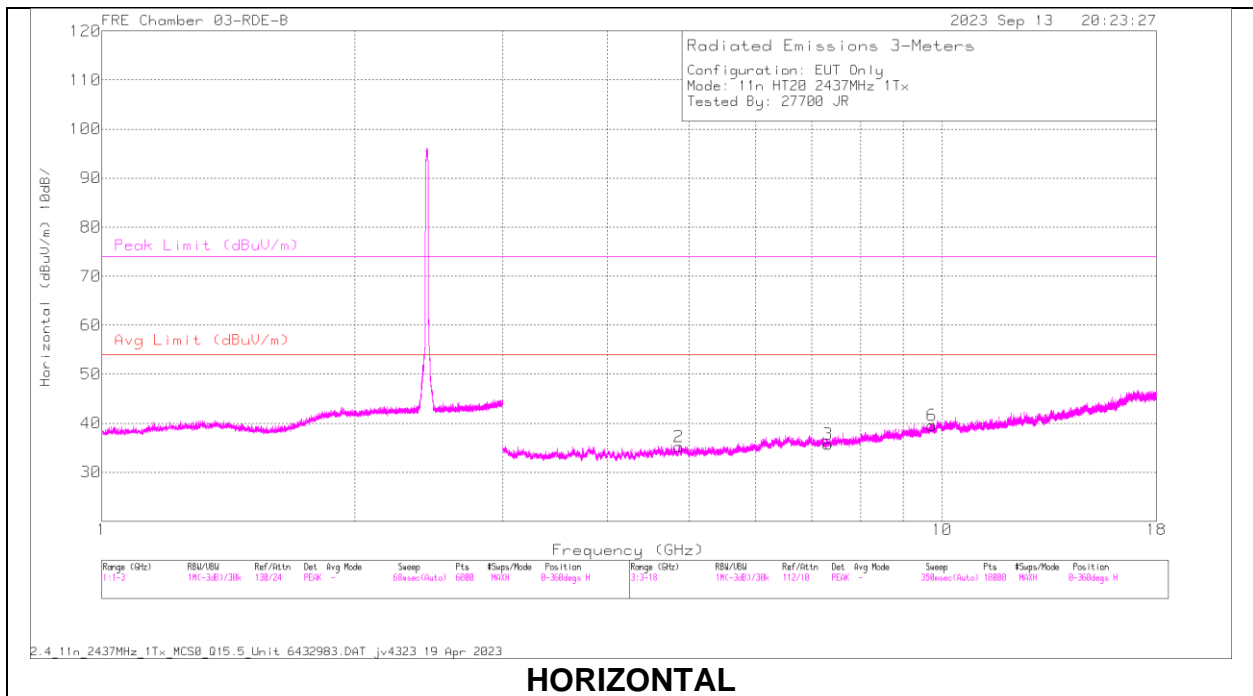
**Radiated Emissions**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.817025	59.58	PK2	34.2	0	-49	44.78	-	-	74	-29.22	311	144	H
	* 4.817657	48.02	MAv1	34.2	.54	-49	33.76	54	-20.24	-	-	311	144	H
2	* 4.810462	59.72	PK2	34.2	0	-49.05	44.87	-	-	74	-29.13	280	133	V
	* 4.811359	47.95	MAv1	34.2	.54	-49.06	33.63	54	-20.37	-	-	280	133	V
4	7.212364	46.06	MAv1	35.8	.54	-47.1	35.3	-	-	-	-	57	360	H
	7.21379	58.37	PK2	35.8	0	-47.26	46.91	-	-	74	-27.09	57	360	H
3	7.232746	58.06	PK2	35.7	0	-47.4	46.36	-	-	74	-27.64	280	200	V
	7.233469	46.2	MAv1	35.7	.54	-47.4	35.04	-	-	-	-	280	200	V
6	9.635097	58.3	PK2	37.1	0	-46.91	48.49	-	-	74	-25.51	280	101	V
	9.63712	46.83	MAv1	37.1	.54	-46.92	37.55	-	-	-	-	280	101	V
5	9.642385	46.7	MAv1	37.1	.54	-47.04	37.3	-	-	-	-	37	103	H
	9.642778	58.27	PK2	37.1	0	-47.08	48.29	-	-	74	-25.71	37	103	H

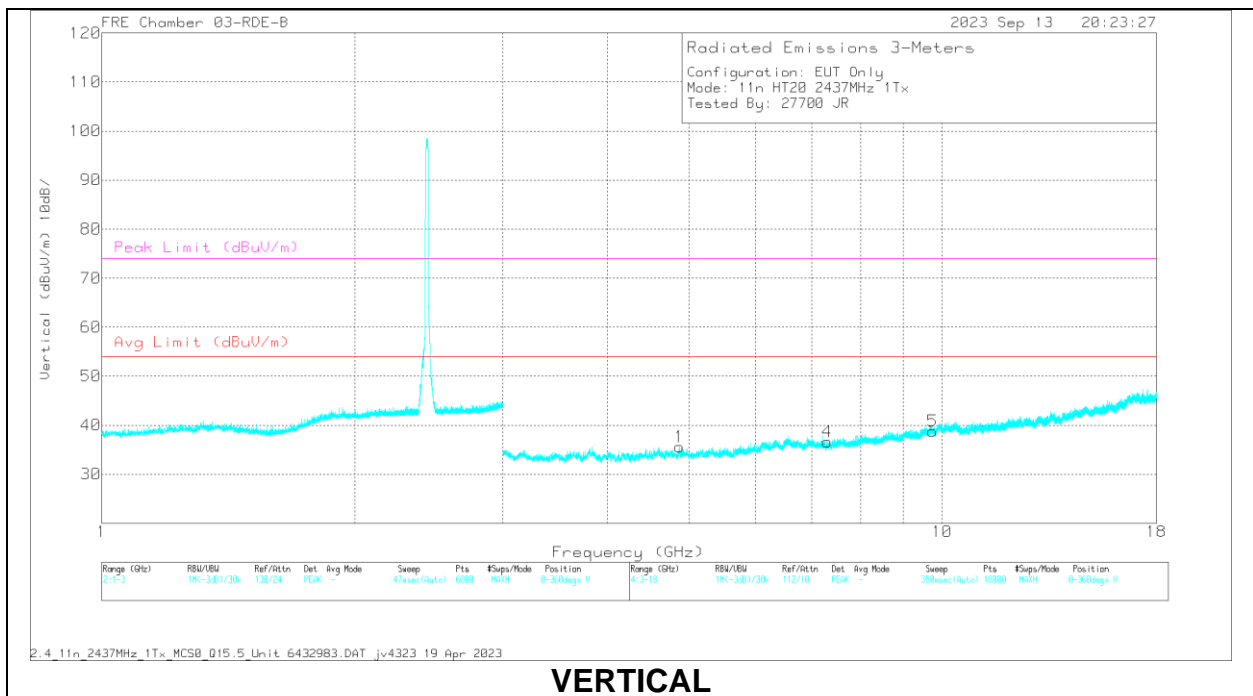
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK2 - KDB558074 Method: Maximum Peak  
 MAv1 - KDB558074 Option 1 Maximum RMS Average



### MID CHANNEL, CH 6 RESULTS



**HORIZONTAL**



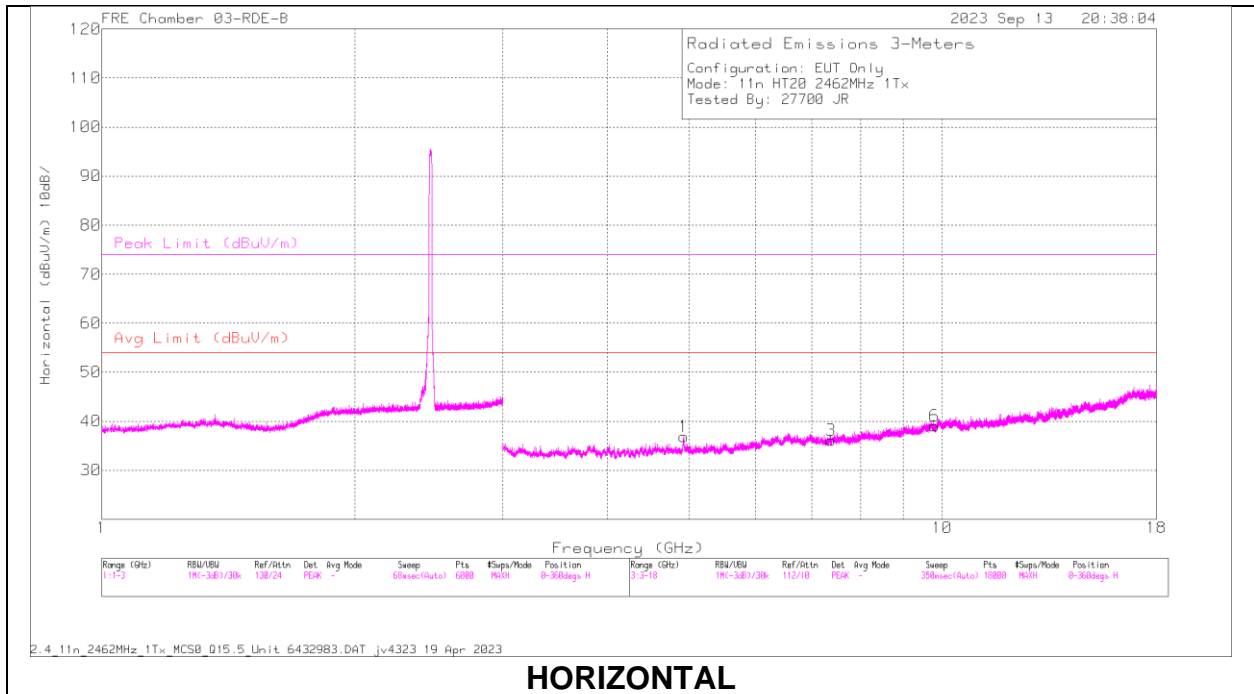
**VERTICAL**

**Radiated Emissions**

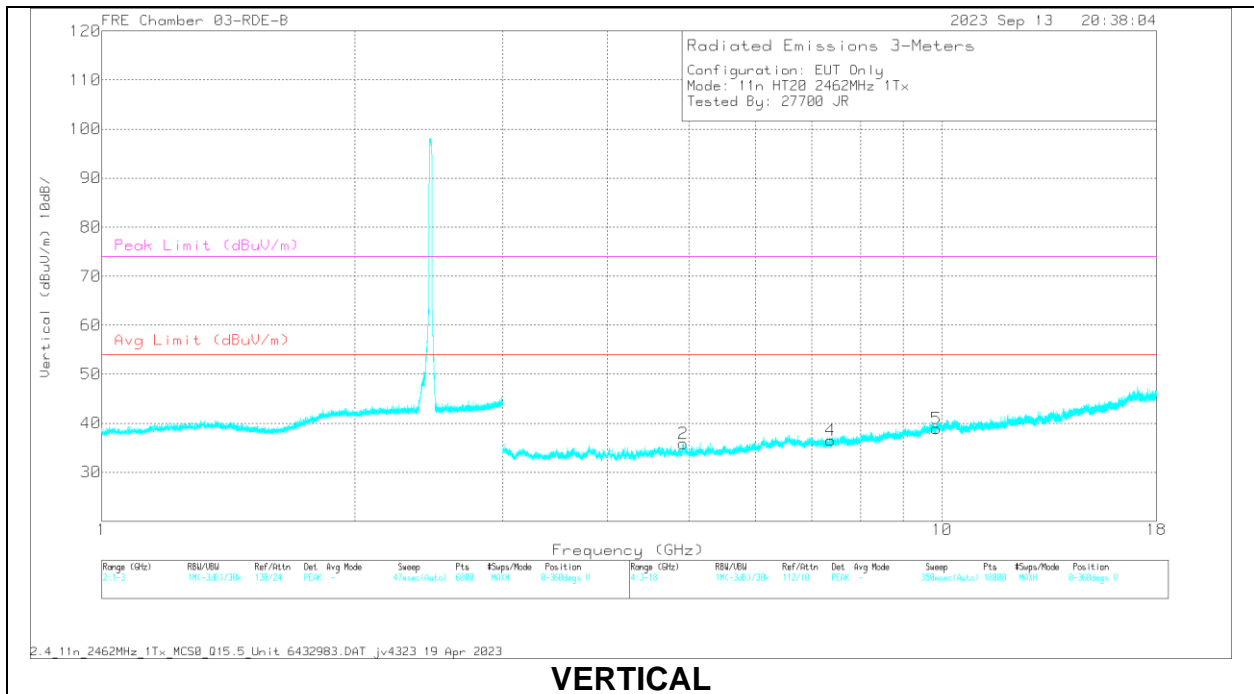
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 4.863444	59.75	PK2	34.2	0	-48.86	45.09	-	-	74	-28.91	280	101	H
	* 4.86494	47.95	MAv1	34.2	.54	-48.71	33.98	54	-20.02	-	-	280	101	H
3	* 7.314962	58.83	PK2	35.8	0	-47.6	47.03	-	-	74	-26.97	280	101	H
	* 7.312268	46.68	MAv1	35.8	.54	-47.63	35.39	54	-18.61	-	-	280	101	H
1	* 4.872025	59.65	PK2	34.2	0	-48.8	45.05	-	-	74	-28.95	280	101	V
	* 4.872866	47.63	MAv1	34.2	.54	-48.8	33.57	54	-20.43	-	-	280	101	V
4	* 7.298303	58.23	PK2	35.8	0	-47.6	46.43	-	-	74	-27.57	280	101	V
	* 7.29965	46.85	MAv1	35.8	.54	-47.6	35.59	54	-18.41	-	-	280	101	V
6	9.735911	48.05	MAv1	37.2	.54	-47.5	38.29	-	-	-	-	280	101	H
	9.738253	60.1	PK2	37.2	0	-47.53	49.77	-	-	74	-24.23	280	101	H
5	9.749888	48.05	MAv1	37.3	.54	-47.51	38.38	-	-	-	-	280	101	V
	9.750132	60.46	PK2	37.3	0	-47.5	50.26	-	-	74	-23.74	280	101	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



**HORIZONTAL**



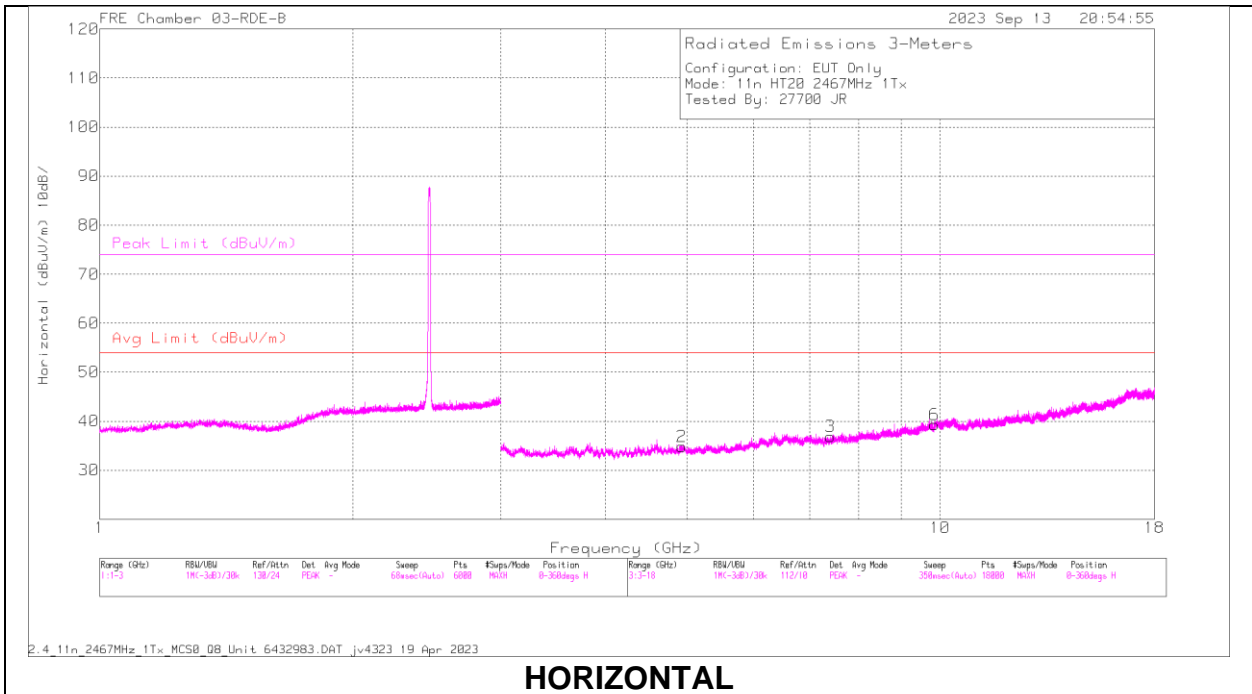
**VERTICAL**

**Radiated Emissions**

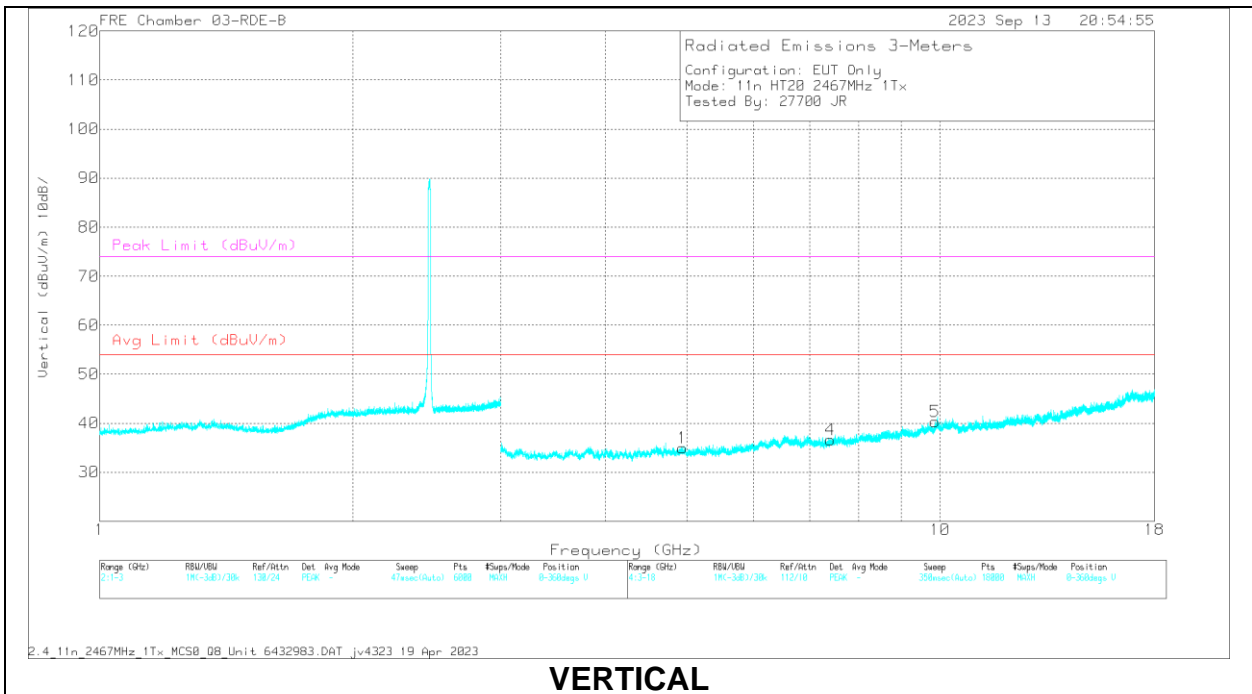
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.929386	60.09	PK2	34.2	0	-49.1	45.19	-	-	74	-28.81	218	348	H
	* 4.929721	48.41	MAv1	34.2	.54	-49.1	34.05	54	-19.95	-	-	218	348	H
3	* 7.38664	58.27	PK2	35.8	0	-47.54	46.53	-	-	74	-27.47	168	190	H
	* 7.38842	46.66	MAv1	35.8	.54	-47.46	35.54	54	-18.46	-	-	168	190	H
2	* 4.924598	60.25	PK2	34.2	0	-49.1	45.35	-	-	74	-28.65	64	351	V
	* 4.9248	48.66	MAv1	34.2	.54	-49.1	34.3	54	-19.7	-	-	64	351	V
4	* 7.365917	58.58	PK2	35.8	0	-47.5	46.88	-	-	74	-27.12	54	318	V
	* 7.36289	46.45	MAv1	35.8	.54	-47.4	35.39	54	-18.61	-	-	54	318	V
6	9.798545	47.44	MAv1	37.3	.54	-47.5	37.78	-	-	-	-	330	306	H
	9.799406	58.78	PK2	37.3	0	-47.54	48.54	-	-	74	-25.46	330	306	H
5	9.841885	58.95	PK2	37.4	0	-47.4	48.95	-	-	74	-25.05	233	168	V
	9.843073	47.5	MAv1	37.4	.54	-47.41	38.03	-	-	-	-	233	168	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 12 RESULTS



**HORIZONTAL**



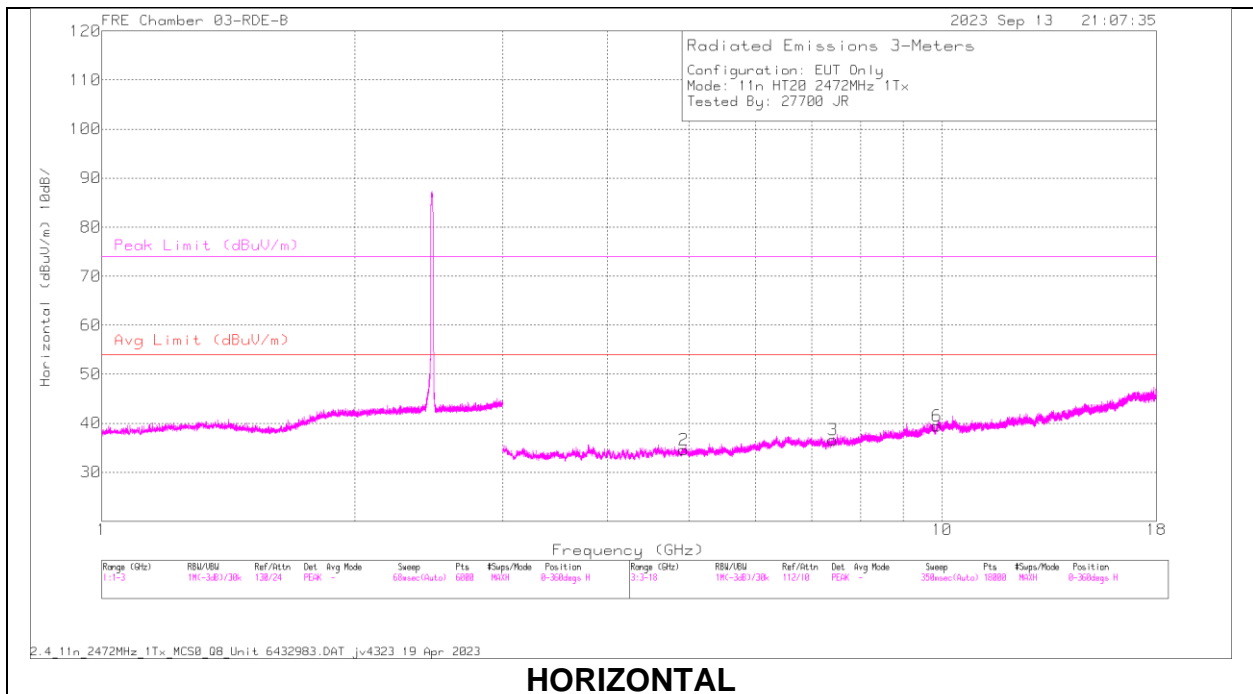
**VERTICAL**

**Radiated Emissions**

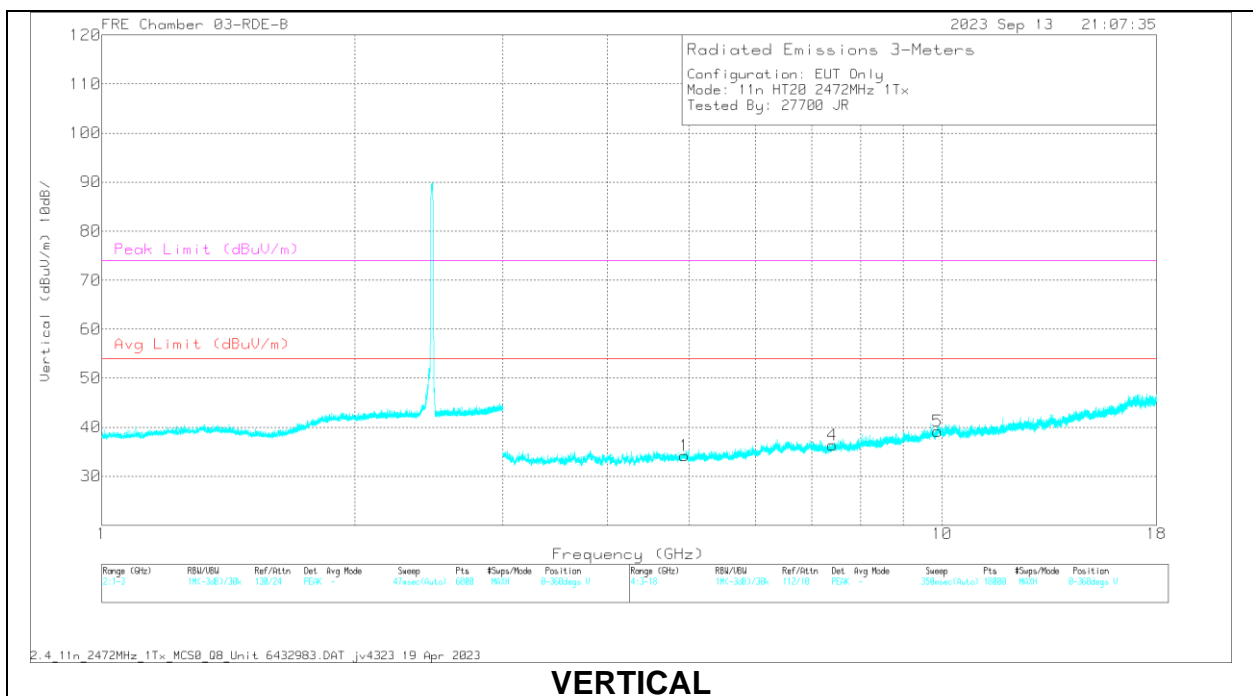
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 4.929204	59.54	PK2	34.2	0	-49.1	44.64	-	-	74	-29.36	250	389	H
	* 4.931579	48.27	MAv1	34.2	.54	-49.1	33.91	54	-20.09	-	-	250	389	H
3	* 7.409834	58.2	PK2	35.9	0	-47.32	46.78	-	-	74	-27.22	109	390	H
	* 7.409281	46.66	MAv1	35.9	.54	-47.37	35.73	54	-18.27	-	-	109	390	H
1	* 4.93403	60.6	PK2	34.2	0	-49.1	45.7	-	-	74	-28.3	57	394	V
	* 4.933666	48.21	MAv1	34.2	.54	-49.13	33.82	54	-20.18	-	-	57	394	V
4	* 7.40299	58.32	PK2	35.9	0	-47.3	46.92	-	-	74	-27.08	271	265	V
	* 7.405066	46.61	MAv1	35.9	.54	-47.3	35.75	54	-18.25	-	-	271	265	V
6	9.843043	59.41	PK2	37.4	0	-47.4	49.41	-	-	74	-24.59	359	113	H
	9.843168	47.6	MAv1	37.4	.54	-47.42	38.12	-	-	-	-	359	113	H
5	9.875576	48.08	MAv1	37.4	.54	-47.56	38.46	-	-	-	-	98	157	V
	9.877363	59.47	PK2	37.4	0	-47.64	49.23	-	-	74	-24.77	98	157	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 13 RESULTS



**HORIZONTAL**



**VERTICAL**

**Radiated Emissions**

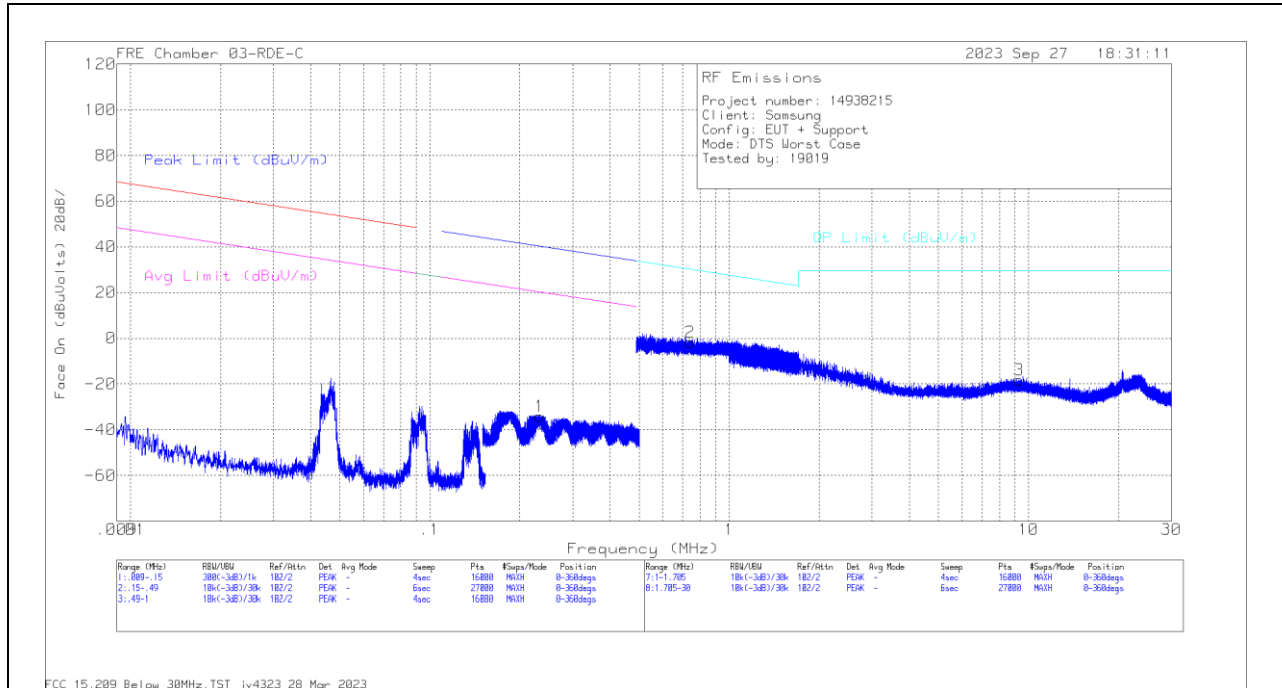
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	230300 ACF (dB/m)	DCCF (dB)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 4.93374	59.63	PK2	34.2	0	-49.13	44.7	-	-	74	-29.3	210	161	H
	* 4.932651	48.15	MAv1	34.2	.54	-49.17	33.72	54	-20.28	-	-	210	161	H
3	* 7.418914	59.04	PK2	35.9	0	-47.4	47.54	-	-	74	-26.46	305	137	H
	* 7.417502	46.72	MAv1	35.9	.54	-47.35	35.81	54	-18.19	-	-	305	137	H
1	* 4.942975	60.22	PK2	34.2	0	-49.1	45.32	-	-	74	-28.68	32	359	V
	* 4.944359	48.37	MAv1	34.2	.54	-49.03	34.08	54	-19.92	-	-	32	359	V
4	* 7.401488	58.85	PK2	35.9	0	-47.3	47.45	-	-	74	-26.55	66	330	V
	* 7.400741	46.57	MAv1	35.9	.54	-47.3	35.71	54	-18.29	-	-	66	330	V
6	9.863229	60.25	PK2	37.4	0	-47.7	49.98	-	-	74	-24.02	329	324	H
	9.865624	47.9	MAv1	37.4	.54	-47.6	38.24	-	-	-	-	329	324	H
5	9.883897	48.17	MAv1	37.4	.54	-47.69	38.42	-	-	-	-	120	110	V
	9.886861	59.54	PK2	37.4	0	-47.6	49.34	-	-	74	-24.66	120	110	V

\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
 PK2 - KDB558074 Method: Maximum Peak  
 MAv1 - KDB558074 Option 1 Maximum RMS Average

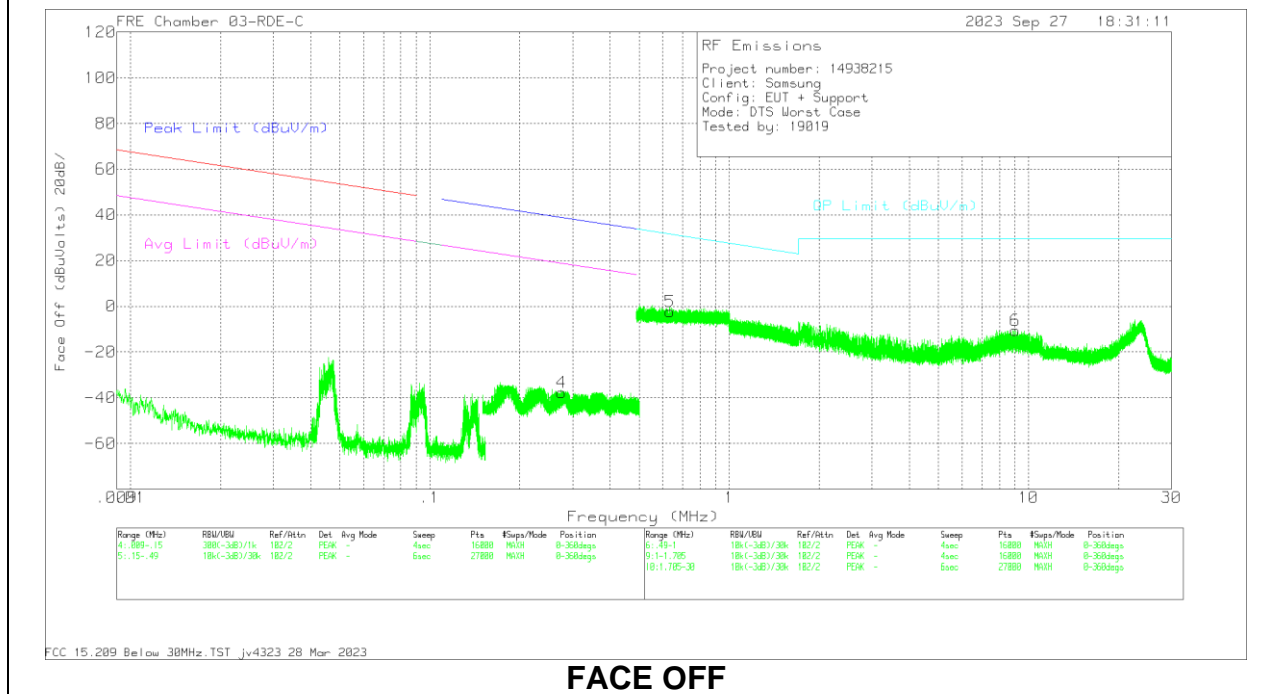


## 10.2. WORST CASE BELOW 30MHz

### SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION)



**FACE ON**



**FACE OFF**

**Trace Markers**

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)
1	.2328	22.25	Pk	56.4	-32.8	-80	-34.15	40.27	-74.42	20.27	-54.42	0-360
4	.2759	18.73	Pk	56.3	-32.8	-80	-37.77	38.8	-76.57	18.8	-56.57	0-360

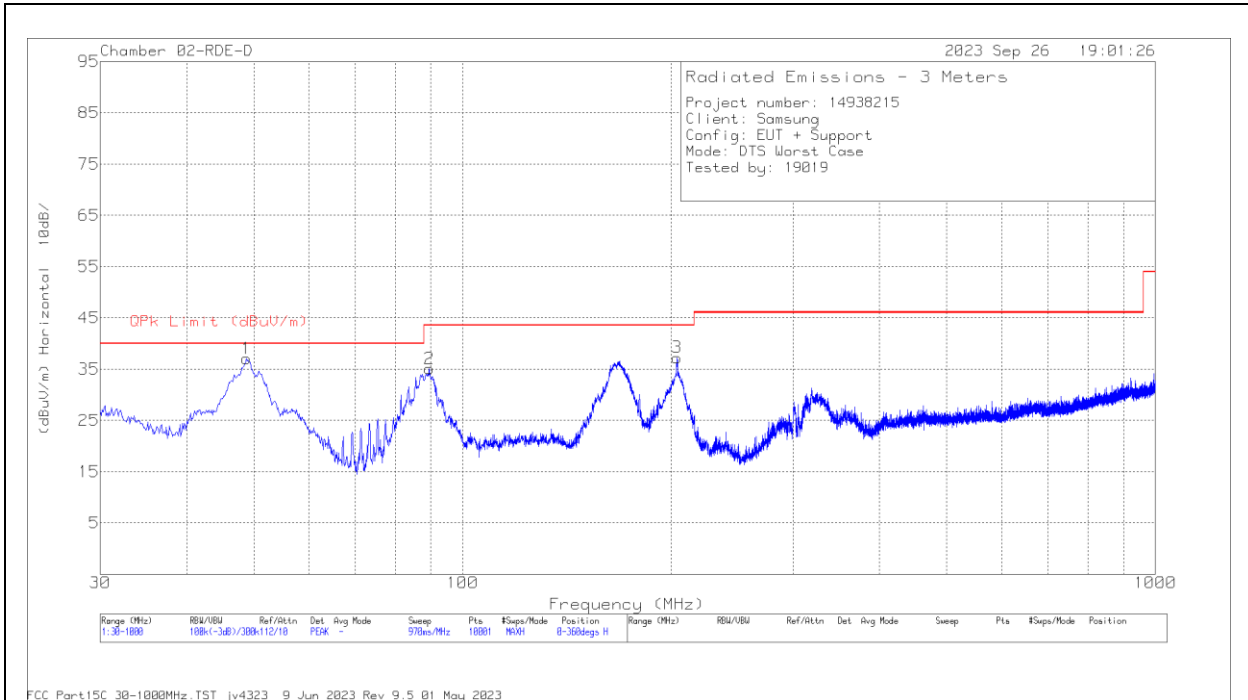
Pk - Peak detector

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)
5	.6331	14	Pk	56.3	-32.7	-40	-2.4	31.58	-33.98	0-360
2	.7406	14.59	Pk	56.3	-32.7	-40	-1.81	30.22	-32.03	0-360
6	9.0148	26.79	Pk	34.7	-32.1	-40	-10.61	29.5	-40.11	0-360
3	9.3187	19.33	Pk	34.7	-32.2	-40	-18.17	29.5	-47.67	0-360

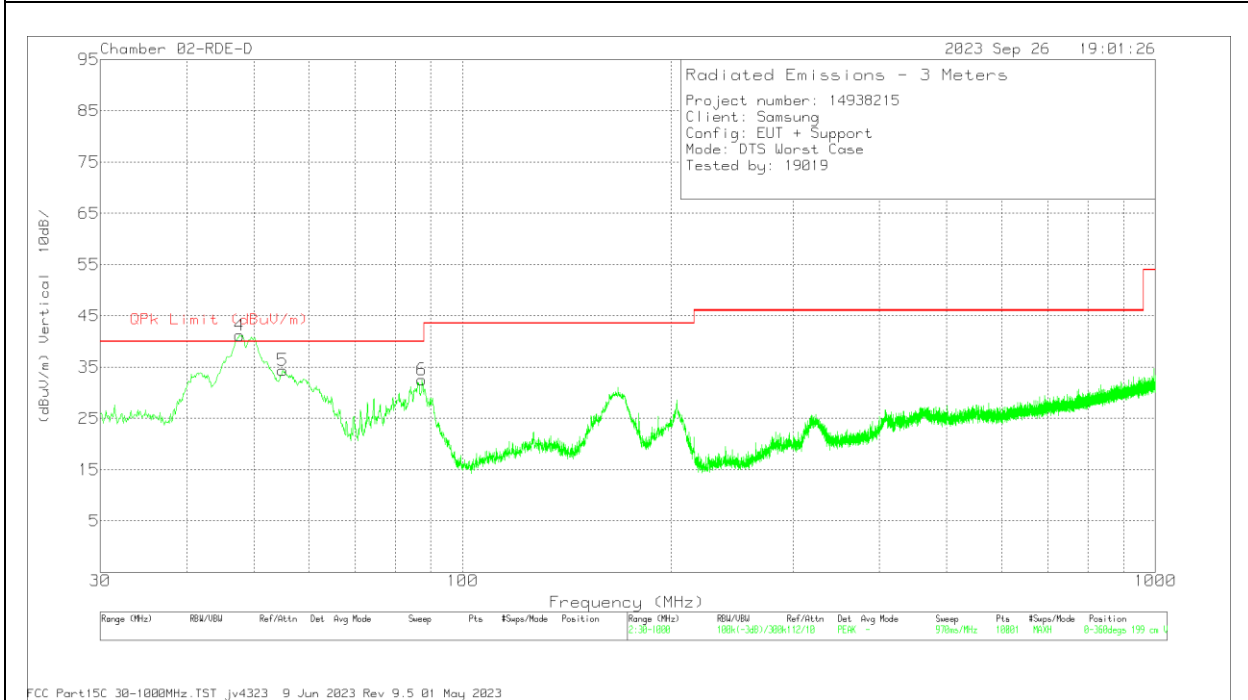
Pk - Peak detector

### 10.3. WORST CASE BELOW 1 GHz

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



#### HORIZONTAL



#### VERTICAL

**Trace Markers**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	85151 ACF (dB/m)	Cbl/Amp (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	47.654	56.6	Pk	14.9	-30.3	0	41.2	40	1.2	0-360	100	V
1	48.818	53.03	Pk	14.4	-30.4	0	37.03	40	-2.97	0-360	399	H
5	55.026	51.47	Pk	13.2	-30.3	0	34.37	40	-5.63	0-360	100	V
6	87.424	49.23	Pk	13.5	-30.2	0	32.53	40	-7.47	0-360	100	V
2	89.558	51.5	Pk	13.8	-30.2	0	35.1	43.52	-8.42	0-360	199	H
3	204.115	49.84	Pk	17.2	-29.8	0	37.24	43.52	-6.28	0-360	99	H

Pk - Peak detector

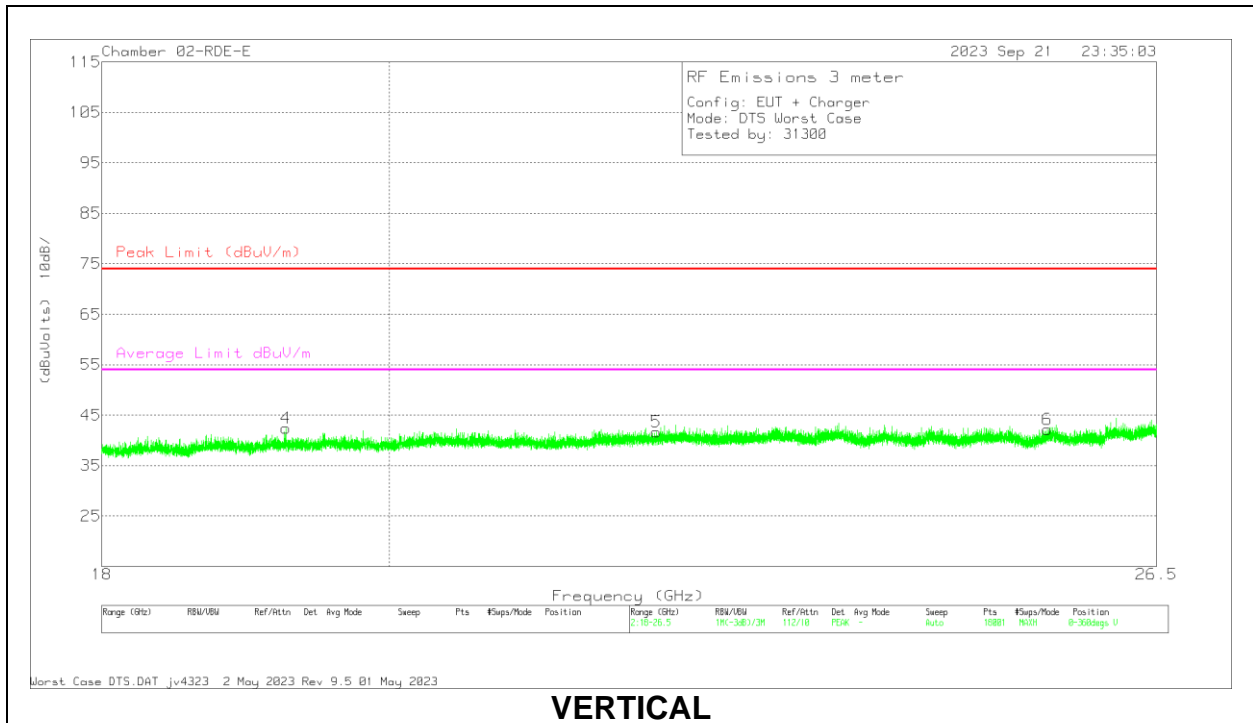
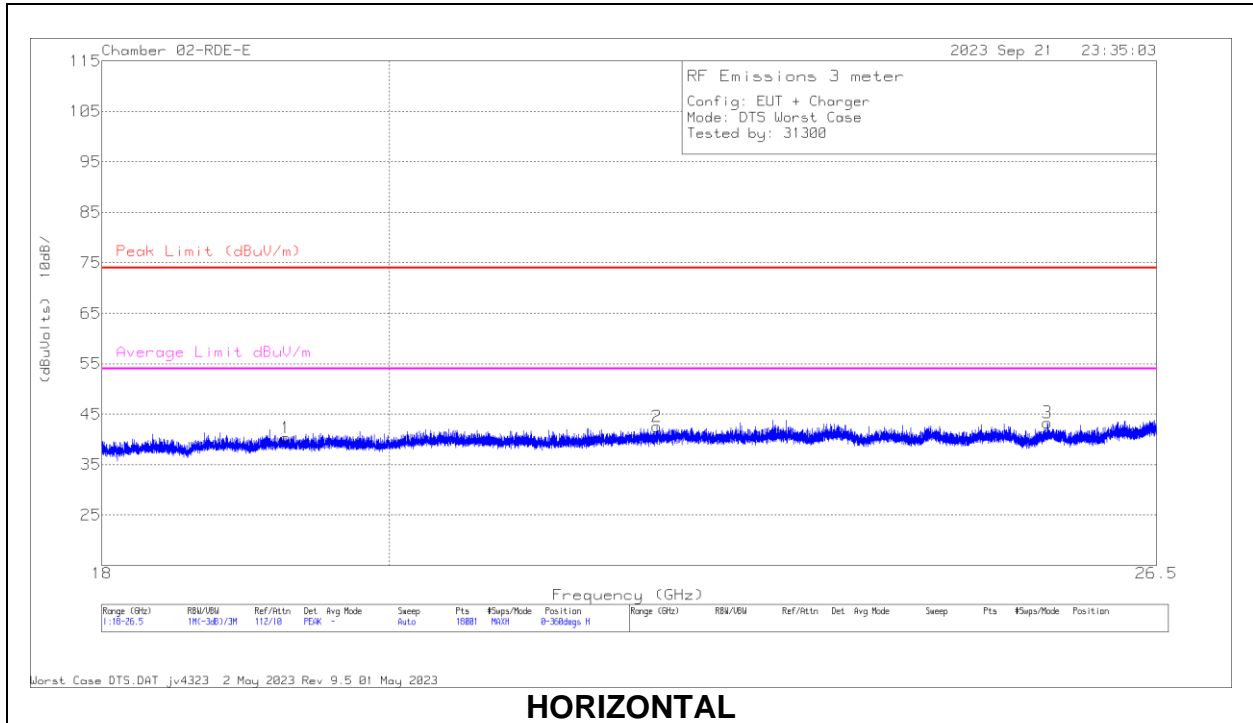
**Radiated Emissions**

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	85151 ACF (dB/m)	Cbl/Amp (dB)	DCCF (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	48.735	42.9	Qp	14.4	-30.4	.54	27.44	40	-12.56	178	391	H
4	48.7988	48.92	Qp	14.4	-30.4	.54	33.46	40	-6.54	92	121	V
5	49.8994	46.09	Qp	13.9	-30.3	.54	30.23	40	-9.77	91	252	V

Qp - Quasi-Peak detector

### 10.4. WORST CASE 18-26 GHz

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



**Trace Markers**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	172363 ACF 3m (dBm)	171580 Amp (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	* 19.255638	55.66	Pk	32.5	-63.5	15.6	40.26	74	-33.74	-	-	0-360	99	H
2	* 22.064887	56.38	Pk	33.1	-63.6	16.6	42.48	74	-31.52	-	-	0-360	99	H
4	* 19.255638	57.8	Pk	32.5	-63.5	15.6	42.4	74	-31.6	-	-	0-360	99	V
5	* 22.059693	55.6	Pk	33.1	-63.6	16.6	41.7	74	-32.3	-	-	0-360	99	V
6	25.458746	52.79	Pk	33.9	-62.4	17.9	42.19	74	-31.81	-	-	0-360	99	V
3	25.459219	53.93	Pk	33.9	-62.4	17.9	43.33	74	-30.67	-	-	0-360	99	H

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

## 11. AC POWER LINE CONDUCTED EMISSIONS

### LIMITS

FCC §15.207 (a)

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.

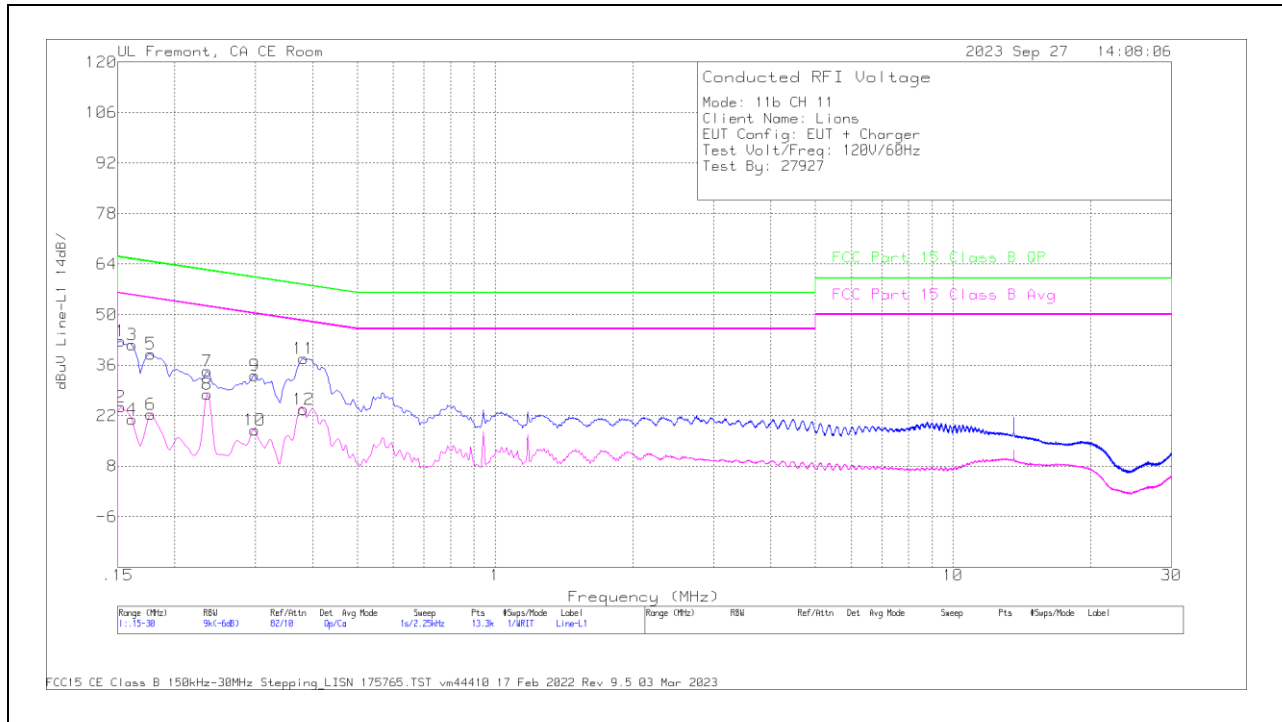
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

### RESULTS

AC Power Line Norm

LINE 1 RESULTS



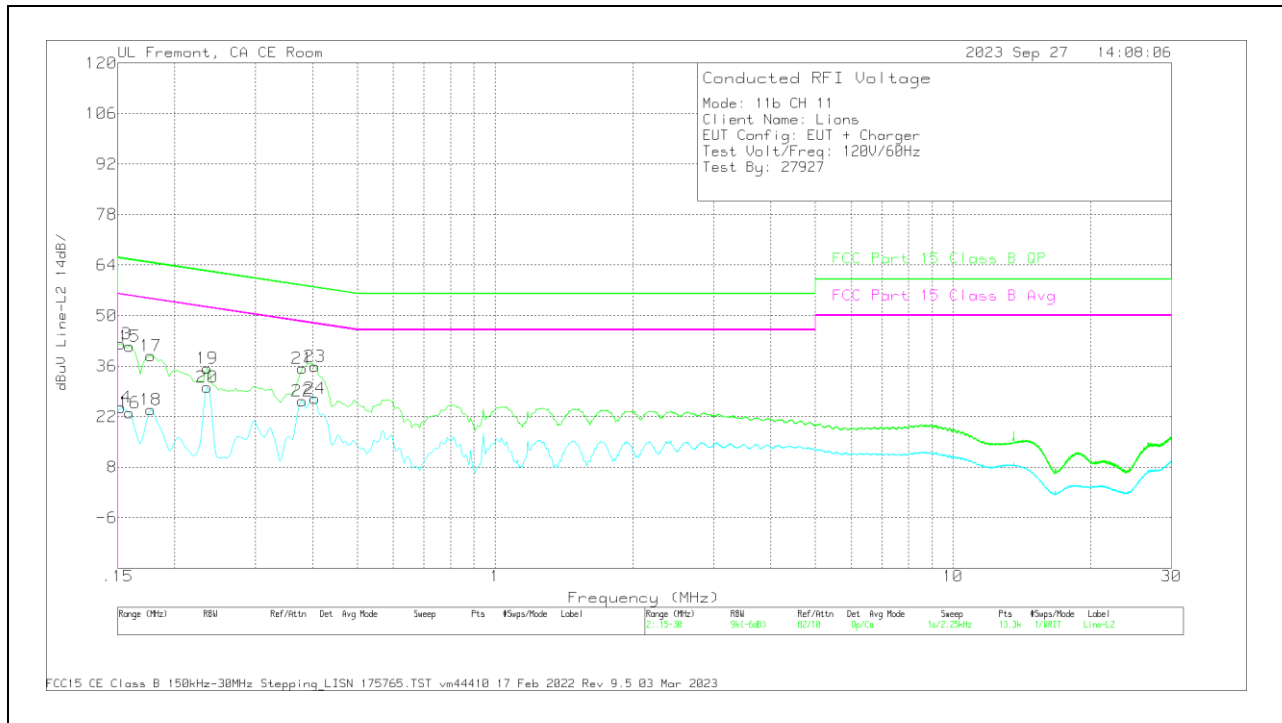
Trace Markers

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN (dB)	Cbl (dB)	Trns 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	.1523	14.89	Ca	0	0	9.5	24.39	-	-	55.88	-31.49
4	.1613	11.41	Ca	0	0	9.5	20.91	-	-	55.4	-34.49
6	.177	12.83	Ca	0	.1	9.4	22.33	-	-	54.63	-32.3
8	.2355	18.47	Ca	0	0	9.4	27.87	-	-	52.25	-24.38
10	.2985	8.54	Ca	0	.1	9.4	18.04	-	-	50.28	-32.24
12	.3818	14.31	Ca	0	0	9.4	23.71	-	-	48.24	-24.53
1	.1523	33.16	Qp	0	0	9.5	42.66	65.88	-23.22	-	-
3	.1613	32.13	Qp	0	0	9.5	41.63	65.4	-23.77	-	-
5	.177	29.63	Qp	0	.1	9.4	39.13	64.63	-25.5	-	-
7	.2355	25	Qp	0	0	9.4	34.4	62.25	-27.85	-	-
9	.2985	23.61	Qp	0	.1	9.4	33.11	60.28	-27.17	-	-
11	.3818	28.5	Qp	0	0	9.4	37.9	58.24	-20.34	-	-

Qp - Quasi-Peak detector  
 Ca - CISPR average detection



### LINE 2 RESULTS



### Trace Markers

Range 2: Line=L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN (dB)	Cbl (dB)	Trns Limiter (dB)	Corrected Reading (dBuV)	FCC Part 15 Class B QP (dBuV)	QP Margin (dB)	FCC Part 15 Class B Avg (dBuV)	Av(CISPR)M argin (dB)
14	.1523	15.04	Ca	0	0	9.5	24.54	-	-	55.88	-31.34
16	.159	13.57	Ca	0	0	9.5	23.07	-	-	55.52	-32.45
18	.177	14.44	Ca	0	.1	9.4	23.94	-	-	54.63	-30.69
20	.2355	20.76	Ca	0	0	9.4	30.16	-	-	52.25	-22.09
22	.3795	16.82	Ca	0	.1	9.4	26.32	-	-	48.29	-21.97
24	.4043	17.5	Ca	0	.1	9.4	27	-	-	47.77	-20.77
13	.1523	32.68	Qp	0	0	9.5	42.18	65.88	-23.7	-	-
15	.159	31.97	Qp	0	0	9.5	41.47	65.52	-24.05	-	-
17	.177	29.41	Qp	0	.1	9.4	38.91	64.63	-25.72	-	-
19	.2355	26.04	Qp	0	0	9.4	35.44	62.25	-26.81	-	-
21	.3795	25.87	Qp	0	.1	9.4	35.37	58.29	-22.92	-	-
23	.4043	26.38	Qp	0	.1	9.4	35.88	57.77	-21.89	-	-

Qp - Quasi-Peak detector  
 Ca - CISPR average detection

## 12. SETUP PHOTOS

Please refer to 14938215 – E11V1 for setup photos.

**END OF TEST REPORT**