

RADIATED EMISSIONS

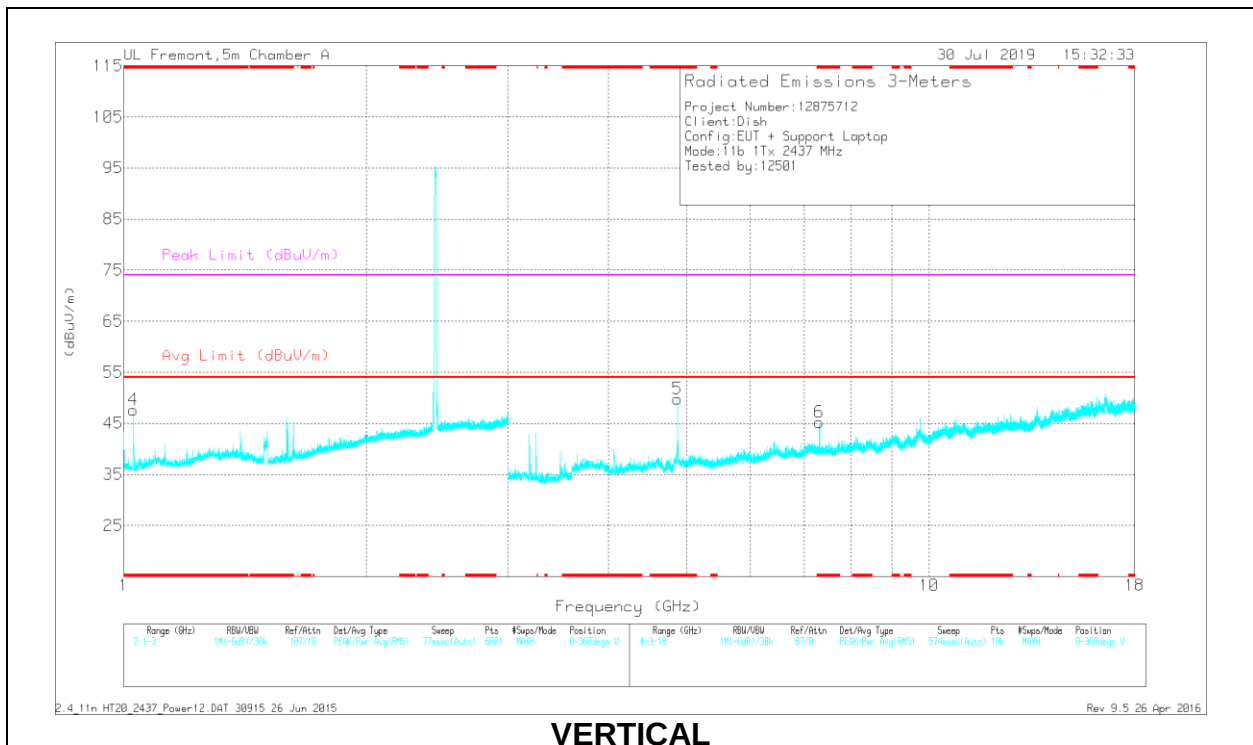
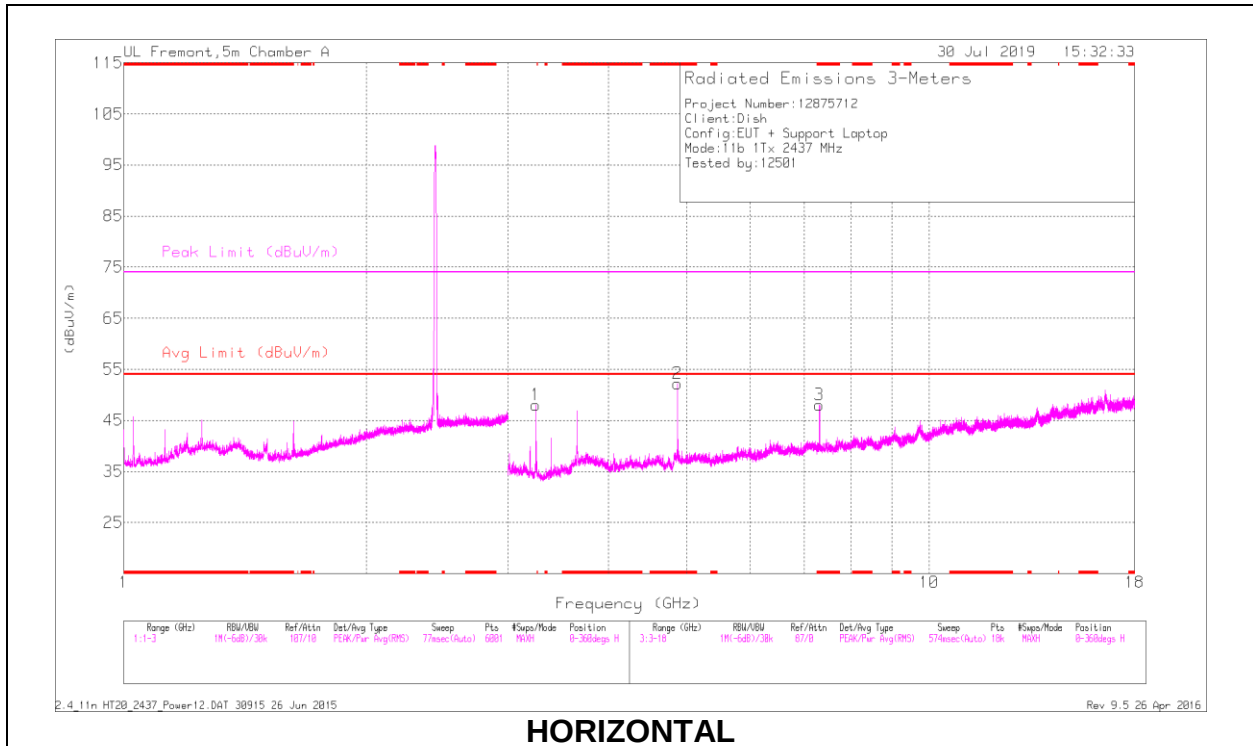
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 1.608	47.11	PK2	28.1	-23.8	0	51.41	-	-	74	-22.59	283	223	V
	* 1.608	42.82	MAv1	28.1	-23.8	0	47.12	54	-6.88	-	-	283	223	V
2	* 4.824	47.29	PK2	34.3	-26.3	0	55.29	-	-	74	-18.71	7	170	H
	* 4.824	45.28	MAv1	34.3	-26.3	0	53.28	54	-.72	-	-	7	170	H
5	* 4.824	38.9	PK2	34.3	-26.3	0	46.9	-	-	74	-27.1	252	103	V
	* 4.824	32.45	MAv1	34.3	-26.3	0	40.45	54	-13.55	-	-	252	103	V
1	3.216	45.86	PK2	32.9	-28.4	0	50.36	-	-	-	-	278	102	H
	3.216	42.41	MAv1	32.9	-28.4	0	46.91	-	-	-	-	278	102	H
3	7.234	38.04	PK2	36	-23.6	0	50.44	-	-	-	-	285	288	V
	7.236	42.33	PK2	35.9	-23.6	0	54.63	-	-	-	-	242	269	H
6	7.237	37.73	MAv1	35.9	-23.6	0	50.03	-	-	-	-	242	269	H
	7.237	31.4	MAv1	35.9	-23.6	0	43.7	-	-	-	-	285	288	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

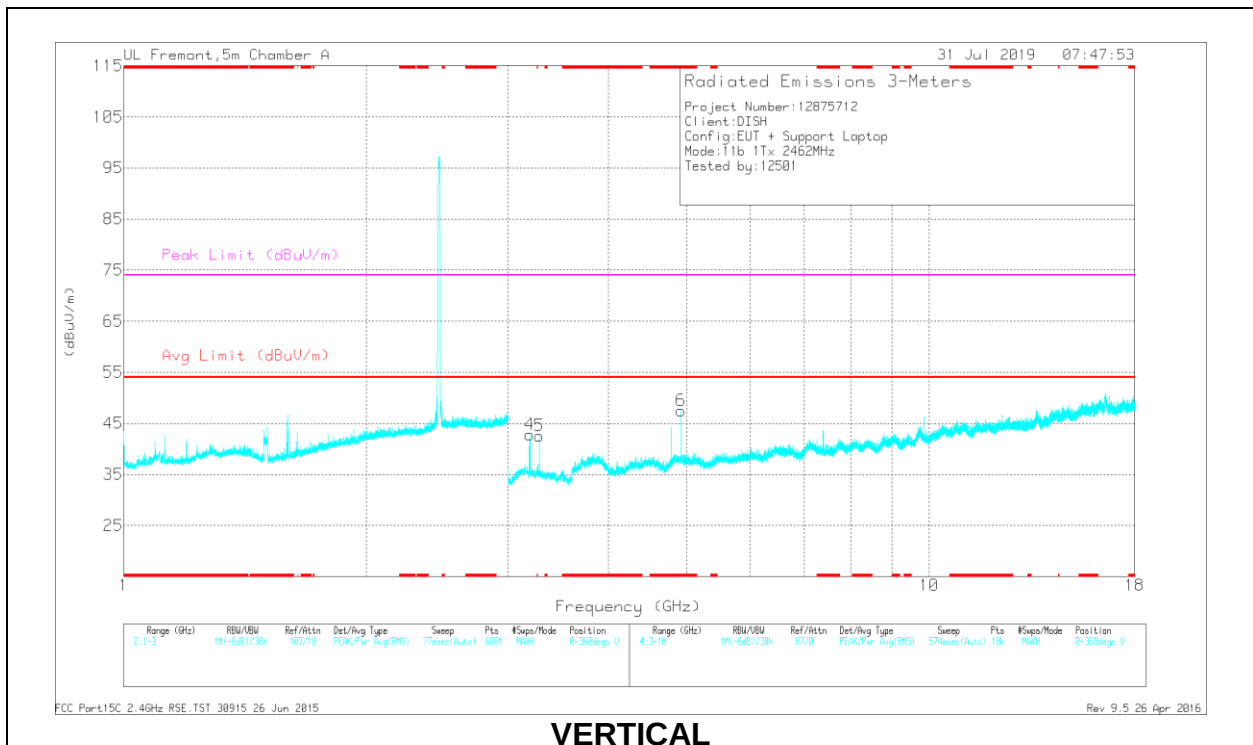
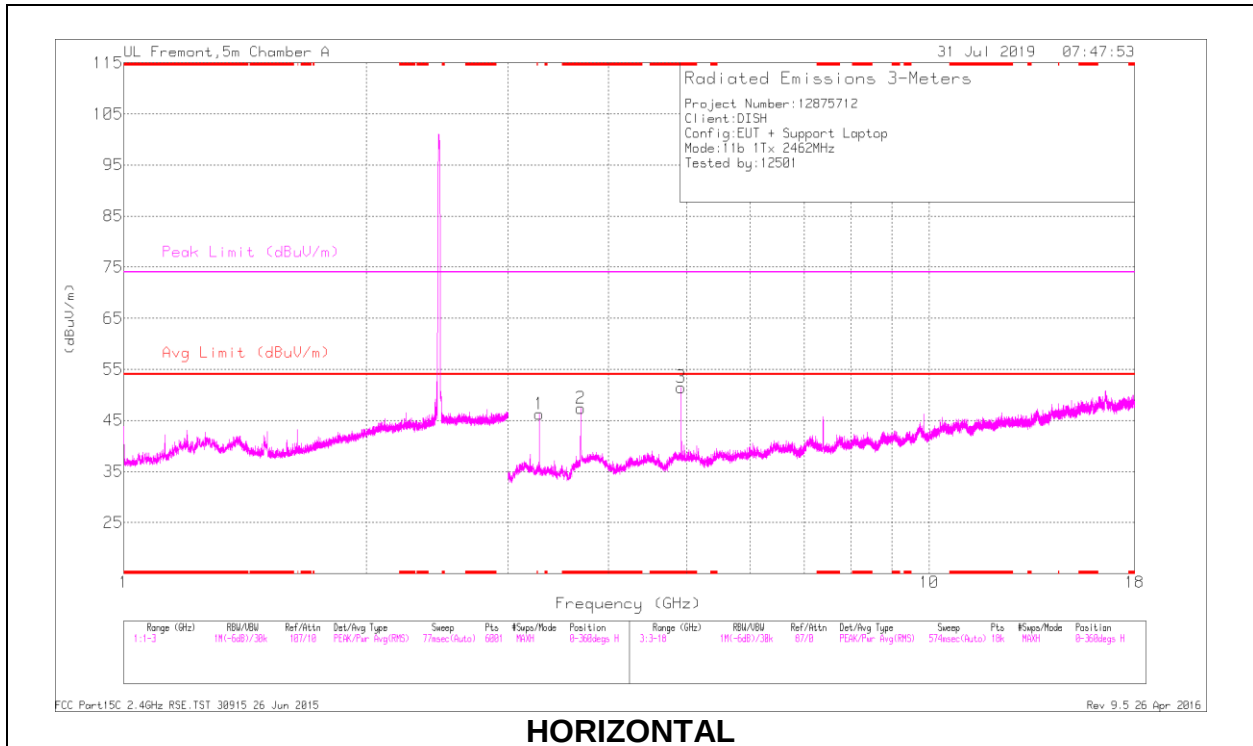
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T346 (dBm)	Ampl/Cbl/Filtr/ Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 1.028	40.63	PK2	27.2	-25.4	0	42.43	-	-	74	-31.57	300	169	V
	* 1.029	29.7	MAv1	27.2	-25.4	0	31.5	54	-22.5	-	-	300	169	V
2	* 4.874	47.08	PK2	34.2	-26.2	0	55.08	-	-	74	-18.92	12	303	H
	* 4.874	45.22	MAv1	34.2	-26.2	0	53.22	54	-.78	-	-	12	303	H
3	* 7.311	40.65	PK2	35.8	-23.8	0	52.65	-	-	74	-21.35	266	242	H
	* 7.31	35.57	MAv1	35.8	-23.8	0	47.57	54	-6.43	-	-	266	242	H
4	* 4.874	43.24	PK2	34.2	-26.2	0	51.24	-	-	74	-22.76	342	101	V
	* 4.874	39.45	MAv1	34.2	-26.2	0	47.45	54	-6.55	-	-	342	101	V
6	* 7.309	36.94	PK2	35.8	-23.8	0	48.94	-	-	74	-25.06	310	189	V
	* 7.31	29.79	MAv1	35.8	-23.8	0	41.79	54	-12.21	-	-	310	189	V
1	3.249	45.01	PK2	32.9	-29	0	48.91	-	-	-	-	288	102	H
	3.249	40.79	MAv1	32.9	-29	0	44.69	-	-	-	-	288	102	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 11 RESULTS



RADIATED EMISSIONS

Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 3.693	44.54	PK2	33.2	-28.1	0	49.64	-	-	74	-24.36	295	183	H
	* 3.693	39.59	MAv1	33.2	-28.1	0	44.69	54	-9.31	-	-	295	183	H
3	* 4.924	46.43	PK2	34.2	-26.9	0	53.73	-	-	74	-20.27	359	307	H
	* 4.924	43.81	MAv1	34.2	-26.9	0	51.11	54	-2.89	-	-	359	307	H
6	* 4.924	42.34	PK2	34.2	-26.9	0	49.64	-	-	74	-24.36	341	114	V
	* 4.924	37.26	MAv1	34.2	-26.9	0	44.56	54	-9.44	-	-	341	114	V
4	3.19	45.46	PK2	32.9	-28.3	0	50.06	-	-	-	-	177	136	V
	3.19	26.97	MAv1	32.9	-28.3	0	31.57	-	-	-	-	177	136	V
1	3.283	45.23	PK2	32.9	-29.1	0	49.03	-	-	-	-	285	265	H
	3.283	41.07	MAv1	32.9	-29.1	0	44.87	-	-	-	-	285	265	H
5	3.283	41.3	PK2	32.9	-29.1	0	45.1	-	-	-	-	248	132	V
	3.283	34.37	MAv1	32.9	-29.1	0	38.17	-	-	-	-	248	132	V

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

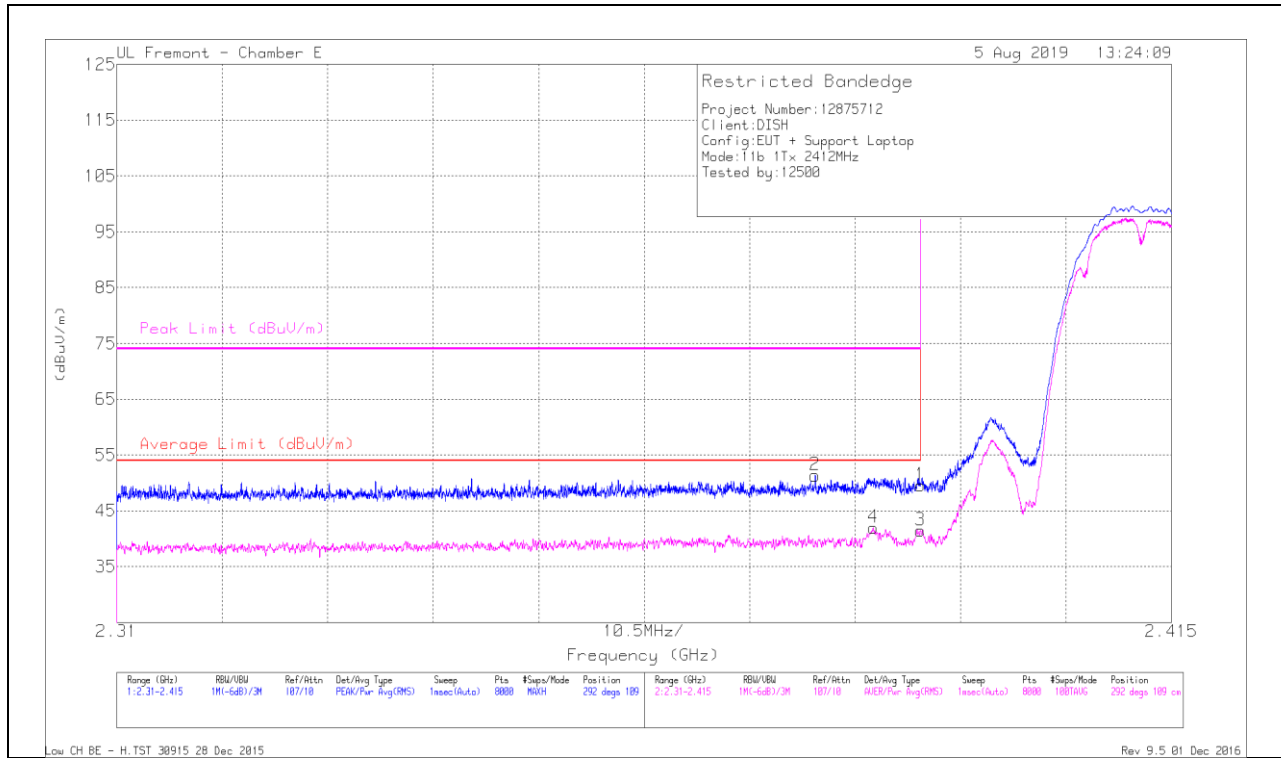
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

1TX Antenna 2 MODE

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



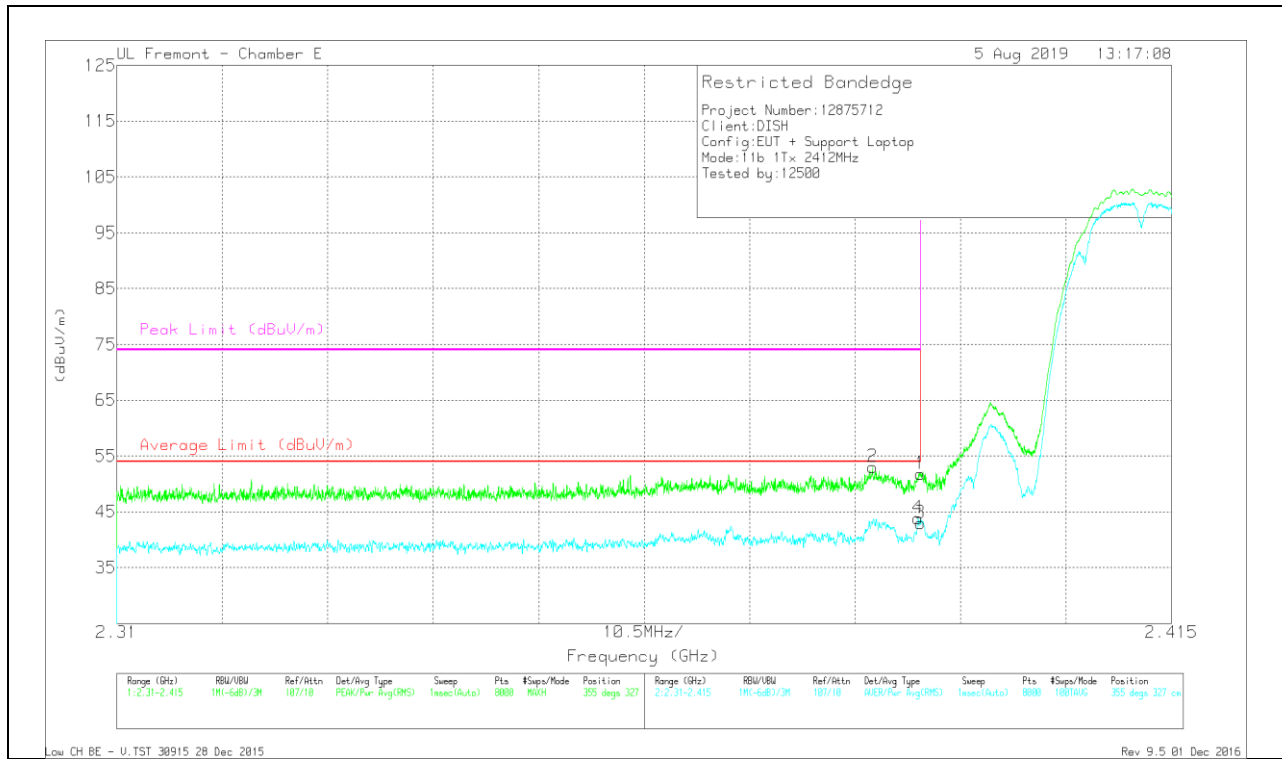
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	43.46	Pk	32.3	-26.2	49.56	-	-	74	-24.44	292	109	H
2	* 2.38	45.35	Pk	32.2	-26.2	51.35	-	-	74	-22.65	292	109	H
3	* 2.39	35.33	RMS	32.3	-26.2	41.43	54	-12.57	-	-	292	109	H
4	* 2.385	35.99	RMS	32.3	-26.3	41.99	54	-12.01	-	-	292	109	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dBm)	Amp/Cbl/Filtr/Pad (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	45.65	Pk	32.3	-26.2	51.75	-	-	74	-22.25	355	327	V
2	* 2.385	47.07	Pk	32.3	-26.3	53.07	-	-	74	-20.93	355	327	V
3	* 2.39	36.88	RMS	32.3	-26.2	42.98	54	-11.02	-	-	355	327	V
4	* 2.39	37.73	RMS	32.3	-26.2	43.83	54	-10.17	-	-	355	327	V

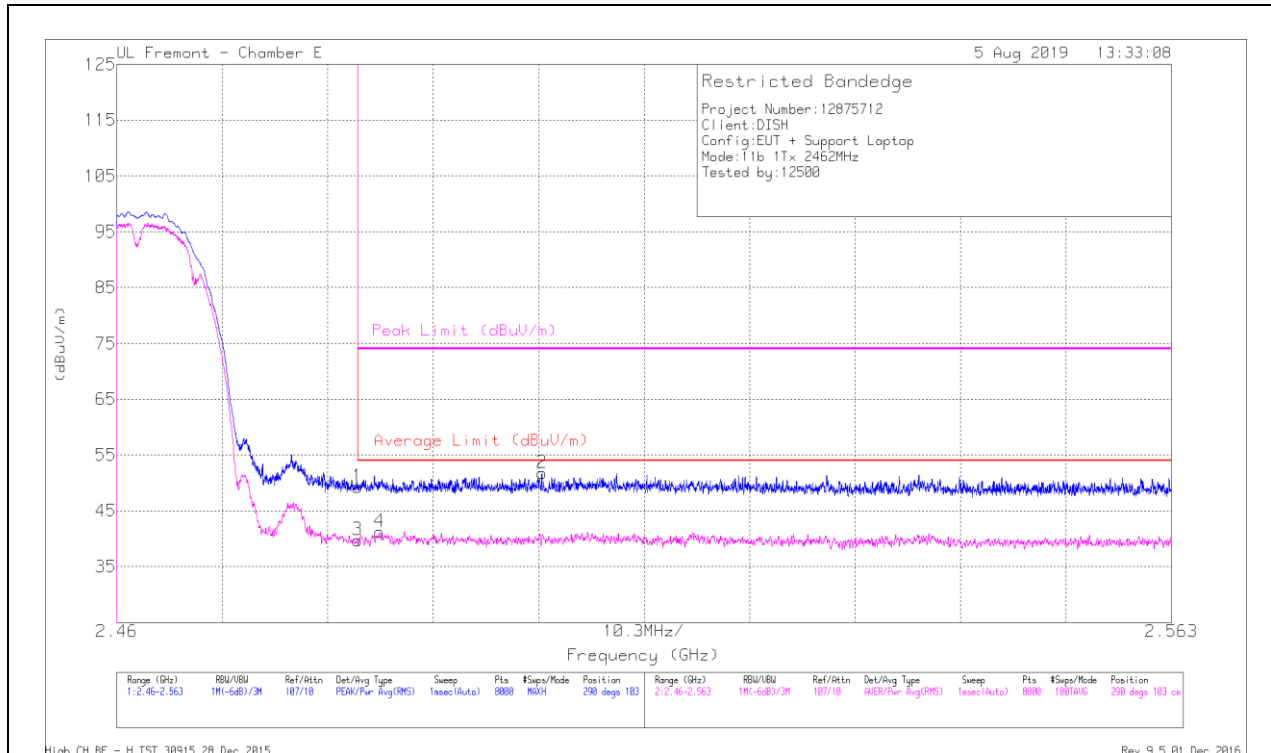
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



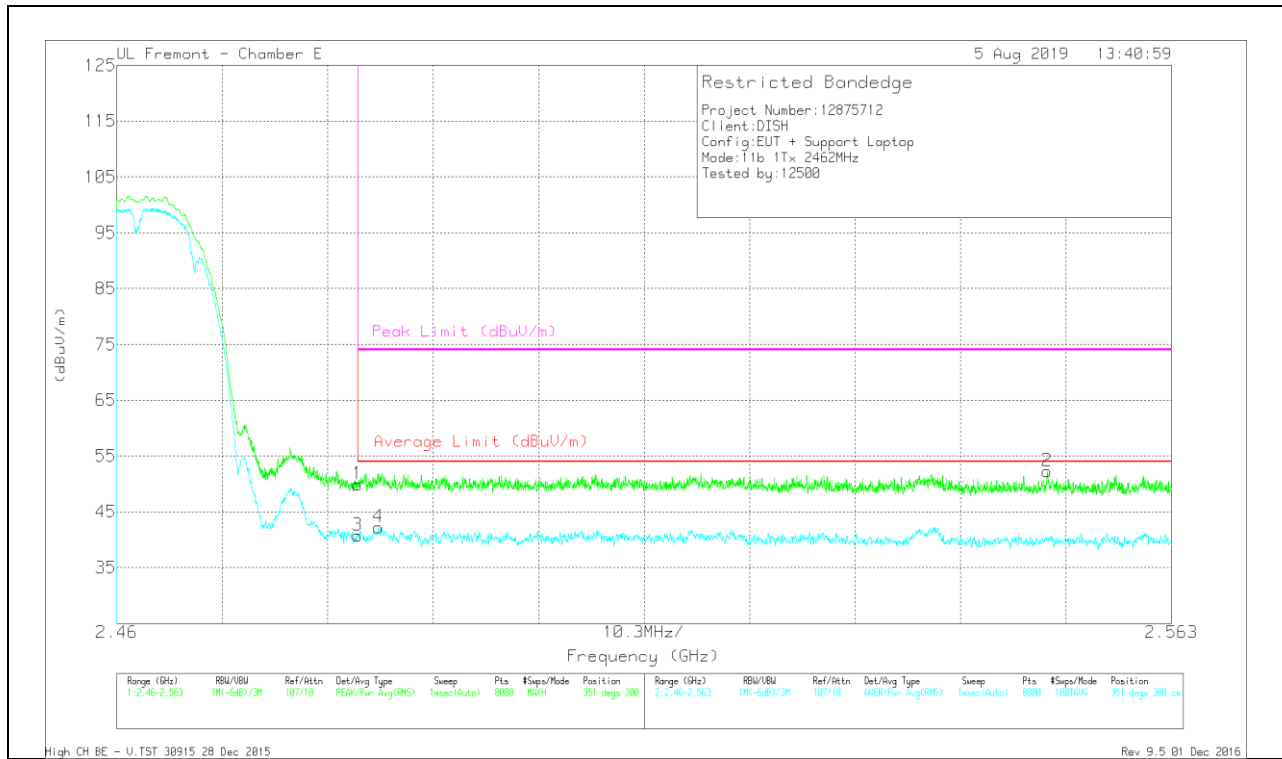
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T119 (dBm)	Amp/Cbl/Filtr/P ad (dB)	Correcte d Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	42.81	Pk	32.8	-26.3	49.31	-	-	74	-24.69	290	103	H
3	* 2.484	33.19	RMS	32.8	-26.3	39.69	54	-14.31	-	-	290	103	H
4	* 2.486	34.71	RMS	32.8	-26.3	41.21	54	-12.79	-	-	290	103	H
2	2.502	45.15	Pk	32.9	-26.3	51.75	-	-	74	-22.25	290	103	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dBm)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	43.41	Pk	32.8	-26.3	49.91	-	-	74	-24.09	351	300	V
3	* 2.484	34.25	RMS	32.8	-26.3	40.75	54	-13.25	-	-	351	300	V
4	* 2.486	35.77	RMS	32.8	-26.3	42.27	54	-11.73	-	-	351	300	V
2	2.551	45.74	Pk	32.8	-26.3	52.24	-	-	74	-21.76	351	300	V

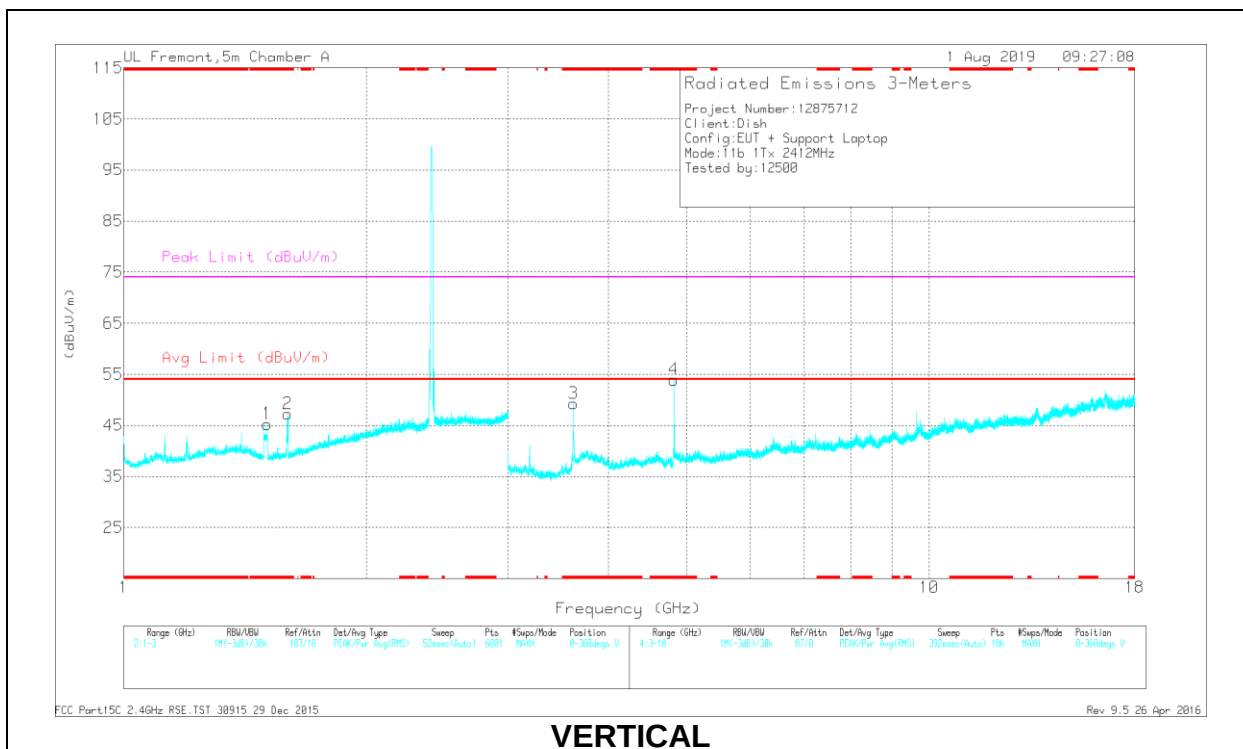
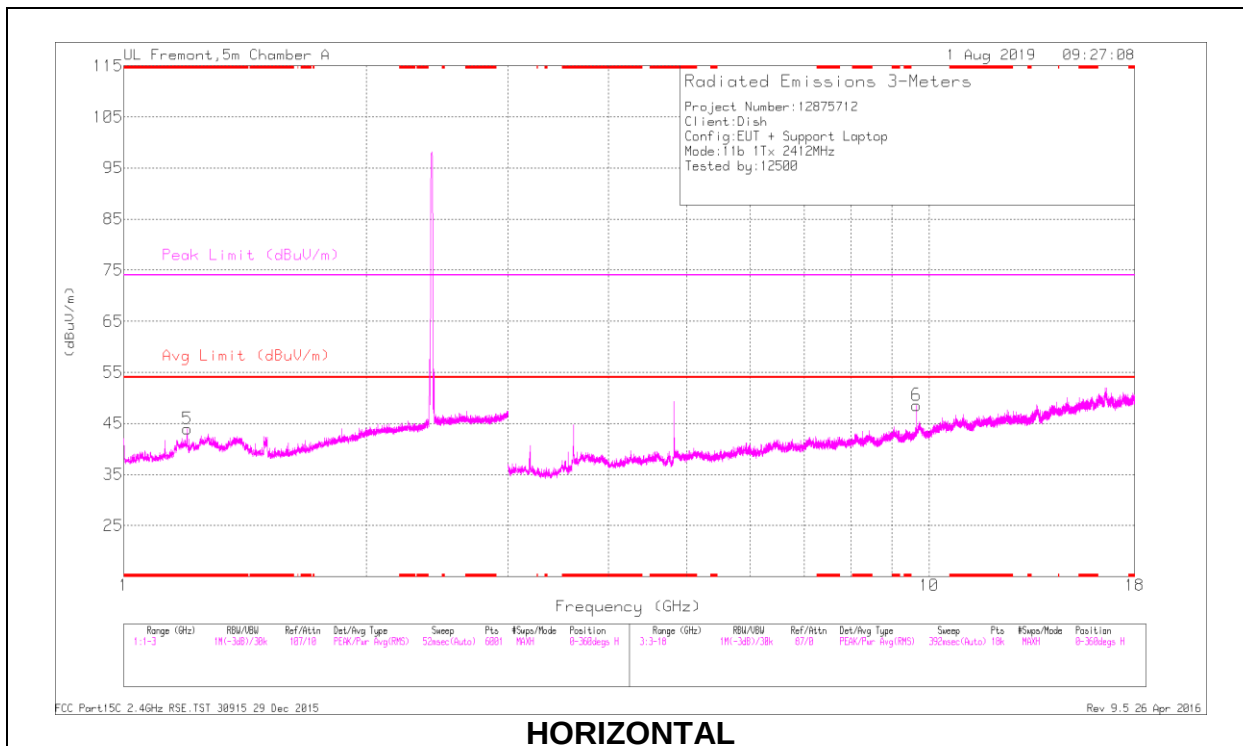
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS



RADIATED EMISSIONS

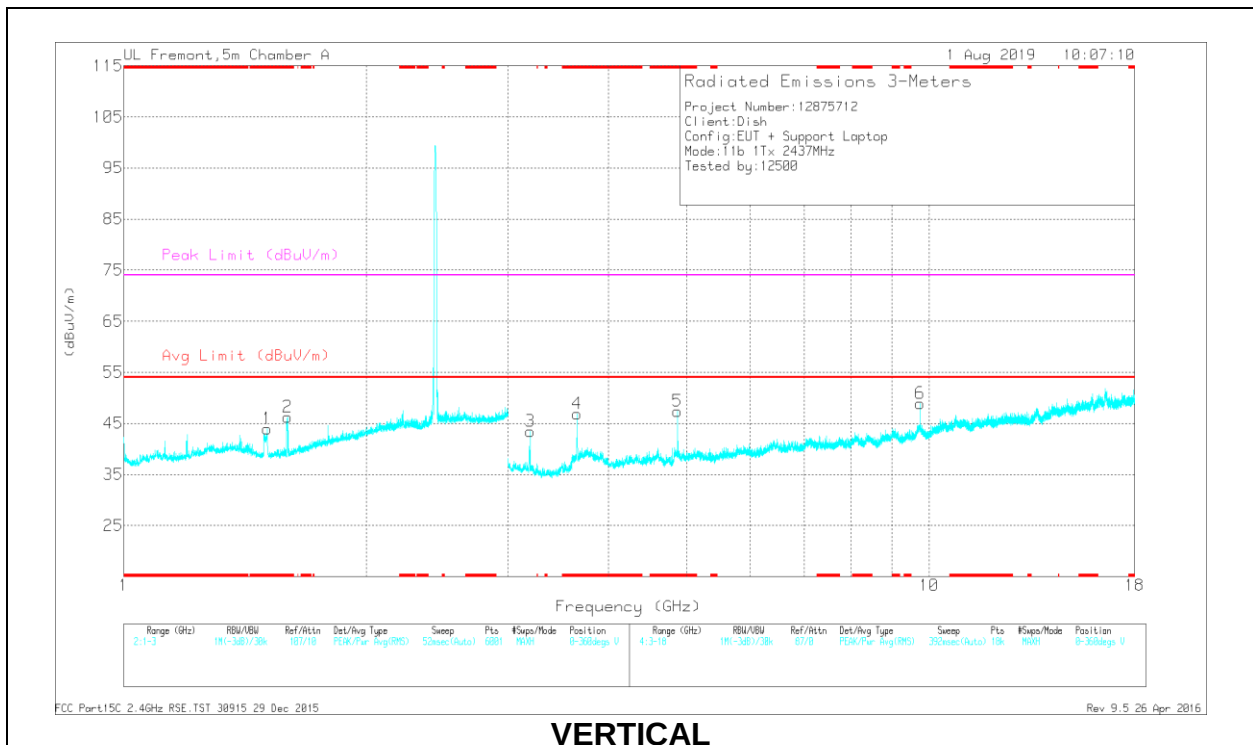
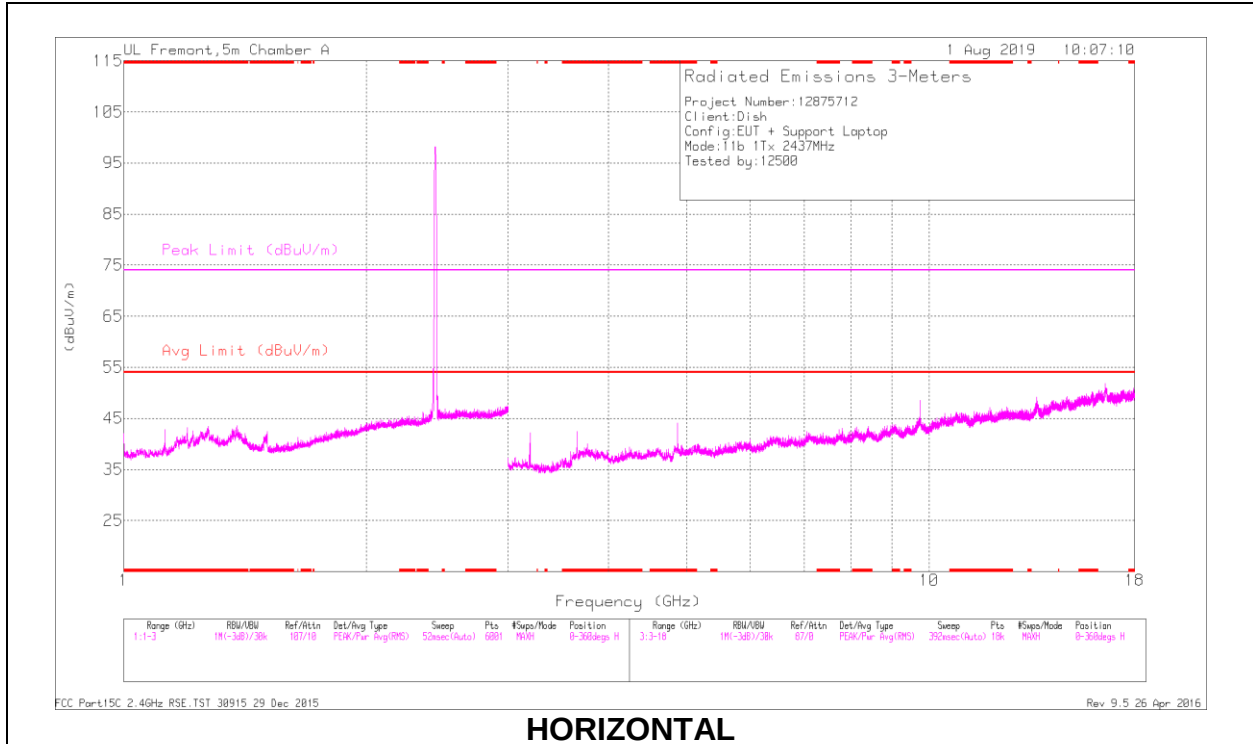
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	* 1.2	46.46	PK2	28.5	-24.6	50.36	-	-	74	-23.64	306	234	H
	* 1.198	34.28	MAv1	28.4	-24.7	37.98	54	-16.02	-	-	306	234	H
1	* 1.507	47.42	PK2	28.2	-24.2	51.42	-	-	74	-22.58	316	162	V
	* 1.508	34.9	MAv1	28.2	-24.2	38.9	54	-15.1	-	-	316	162	V
2	* 1.598	45.55	PK2	28.1	-23.8	49.85	-	-	74	-24.15	186	260	V
	* 1.6	32.11	MAv1	28.1	-23.8	36.41	54	-17.59	-	-	186	260	V
3	* 3.618	46.71	PK2	33.2	-28.9	51.01	-	-	74	-22.99	13	217	V
	* 3.618	41.04	MAv1	33.2	-28.9	45.34	54	-8.66	-	-	13	217	V
4	* 4.824	47.85	PK2	34.3	-26.3	55.85	-	-	74	-18.15	346	103	V
	* 4.824	44.17	MAv1	34.3	-26.3	52.17	54	-1.83	-	-	346	103	V
6	9.648	35.55	PK2	36.7	-21	51.25	-	-	-	-	156	274	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

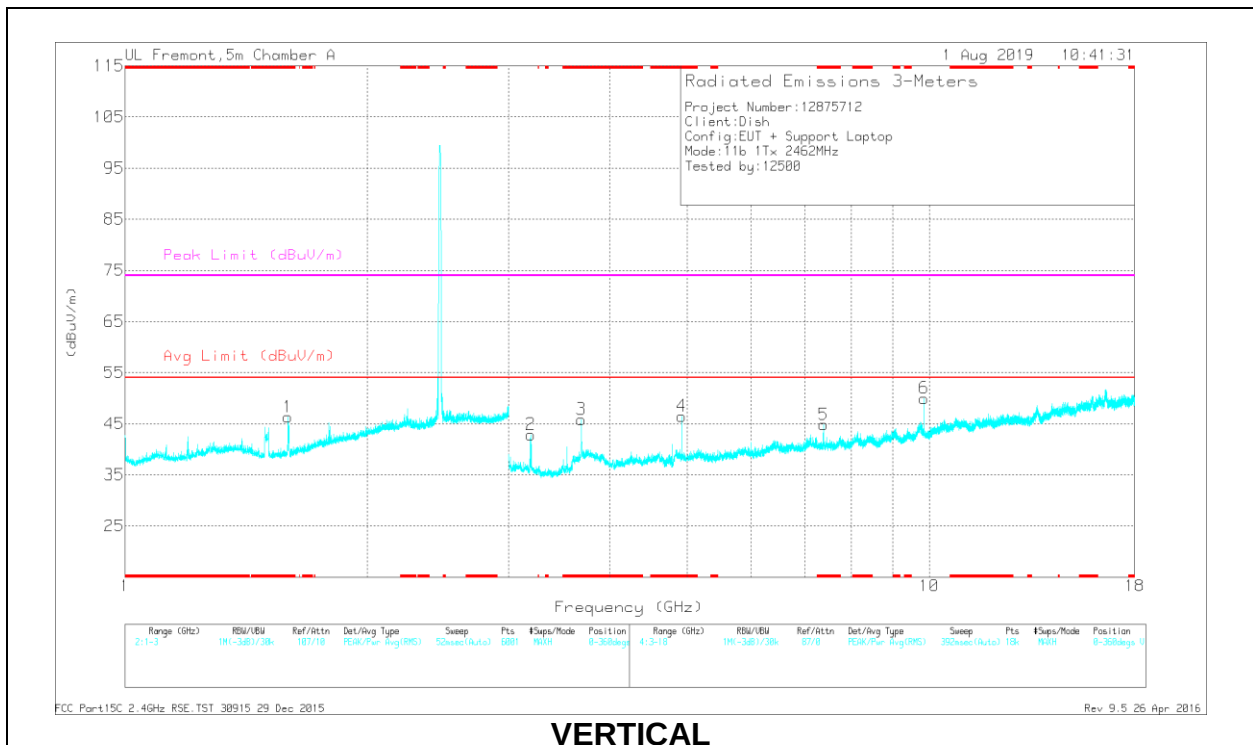
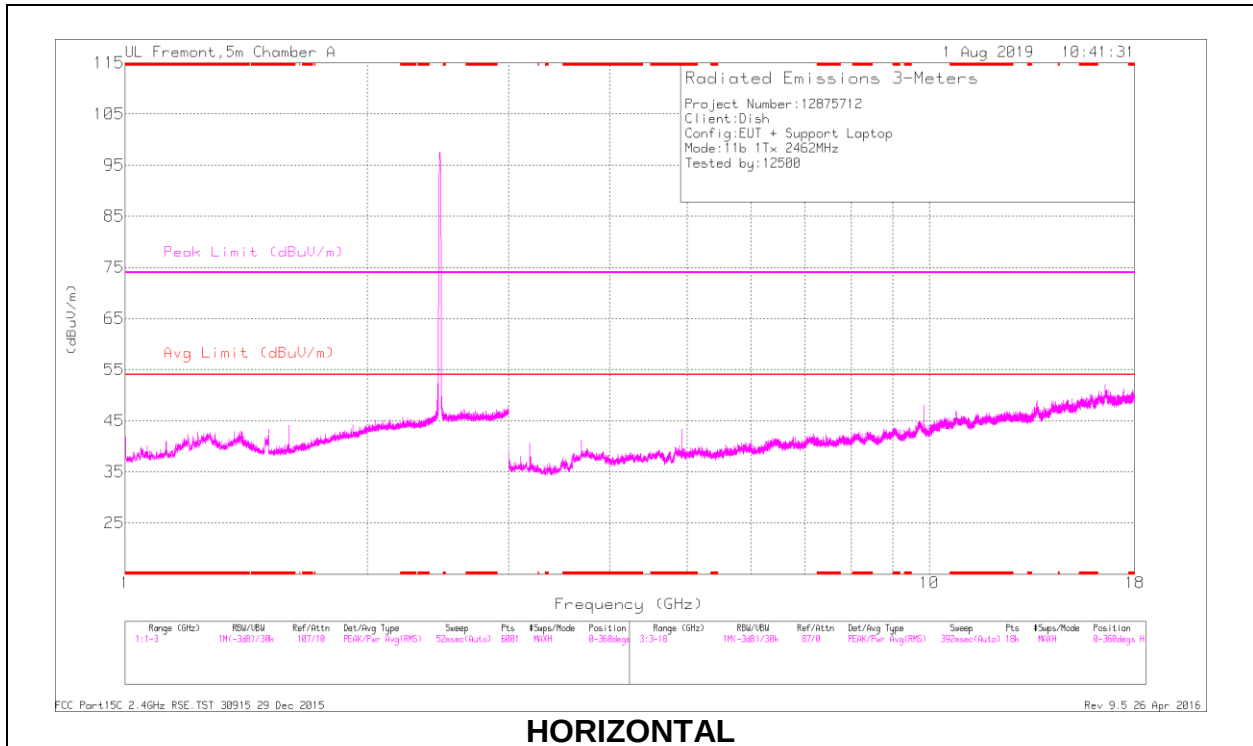
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.508	46.6	PK2	28.2	-24.2	50.6	-	-	74	-23.4	359	149	V
	* 1.508	34.88	MAv1	28.2	-24.2	38.88	54	-15.12	-	-	359	149	V
2	* 1.597	46.54	PK2	28.1	-23.8	50.84	-	-	74	-23.16	182	260	V
	* 1.6	32.5	MAv1	28.1	-23.8	36.8	54	-17.2	-	-	182	260	V
4	* 3.656	45.83	PK2	33.2	-28.4	50.63	-	-	74	-23.37	78	213	V
	* 3.656	40.44	MAv1	33.2	-28.4	45.24	54	-8.76	-	-	78	213	V
5	* 4.874	43.03	PK2	34.2	-26.2	51.03	-	-	74	-22.97	50	271	V
	* 4.874	38.55	MAv1	34.2	-26.2	46.55	54	-7.45	-	-	50	271	V
3	3.197	44.86	PK2	32.9	-28.3	49.46	-	-	-	-	285	357	V
6	9.748	37.55	PK2	36.9	-19.6	54.85	-	-	-	-	110	367	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	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T346 (dBm)	Ampl/Cbl/Filtr/ Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.593	47.45	PK2	28.1	-23.8	0	51.75	-	-	74	-22.25	191	241	V
	* 1.593	32.44	MAV1	28.1	-23.8	0	36.74	54	-17.26	-	-	191	241	V
3	* 3.693	46.4	PK2	33.2	-28.1	0	51.5	-	-	74	-22.5	55	180	V
	* 3.693	39.37	MAV1	33.2	-28.1	0	44.47	54	-9.53	-	-	55	180	V
4	* 4.924	42.35	PK2	34.2	-26.9	0	49.65	-	-	74	-24.35	65	262	V
	* 4.924	37.1	MAV1	34.2	-26.9	0	44.4	54	-9.6	-	-	65	262	V
5	* 7.388	37.2	PK2	35.7	-22.7	0	50.2	-	-	74	-23.8	360	193	V
	* 7.388	28.4	MAV1	35.7	-22.7	0	41.4	54	-12.6	-	-	360	193	V
2	3.195	46.44	PK2	32.9	-28.3	0	51.04	-	-	-	-	171	352	V
6	9.848	38.23	PK2	36.8	-20.7	0	54.33	-	-	-	-	128	392	V

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

PK2 - KDB558074 Method: Maximum Peak

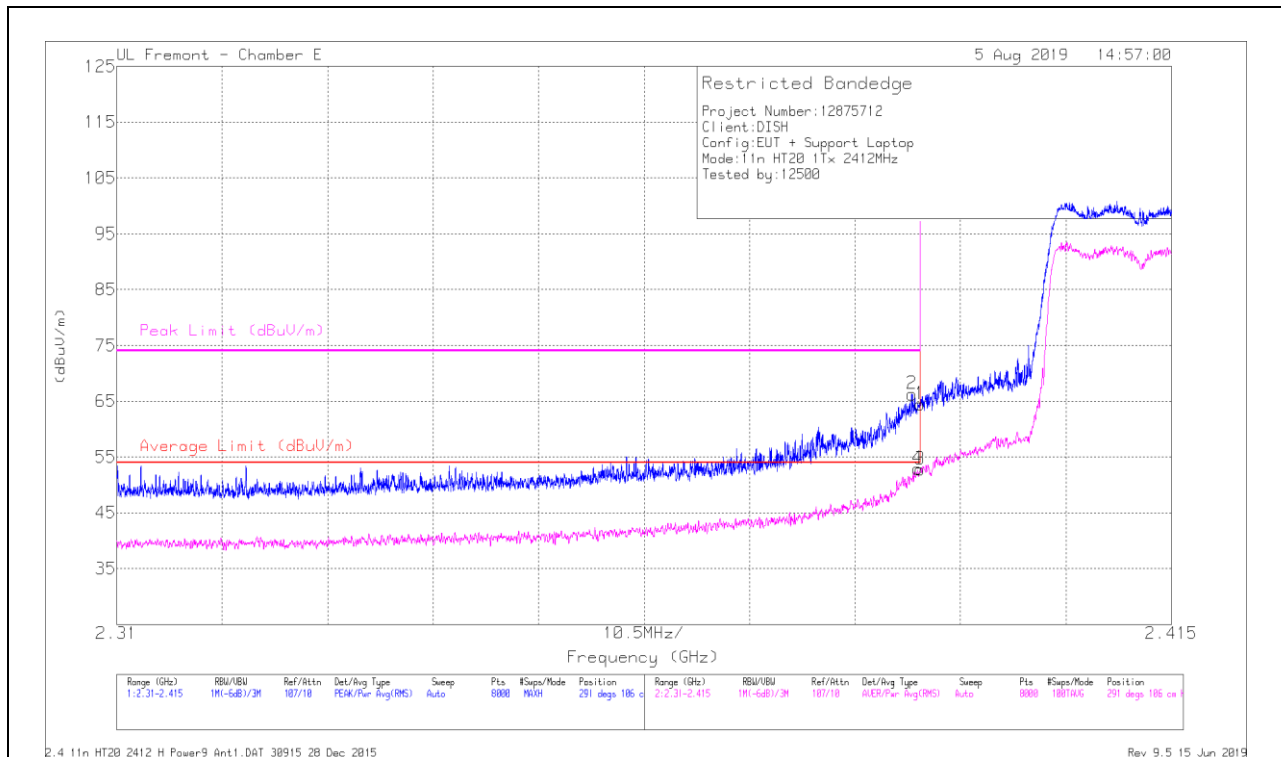
MAV1 - KDB558074 Option 1 Maximum RMS Average

9.1.2. 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



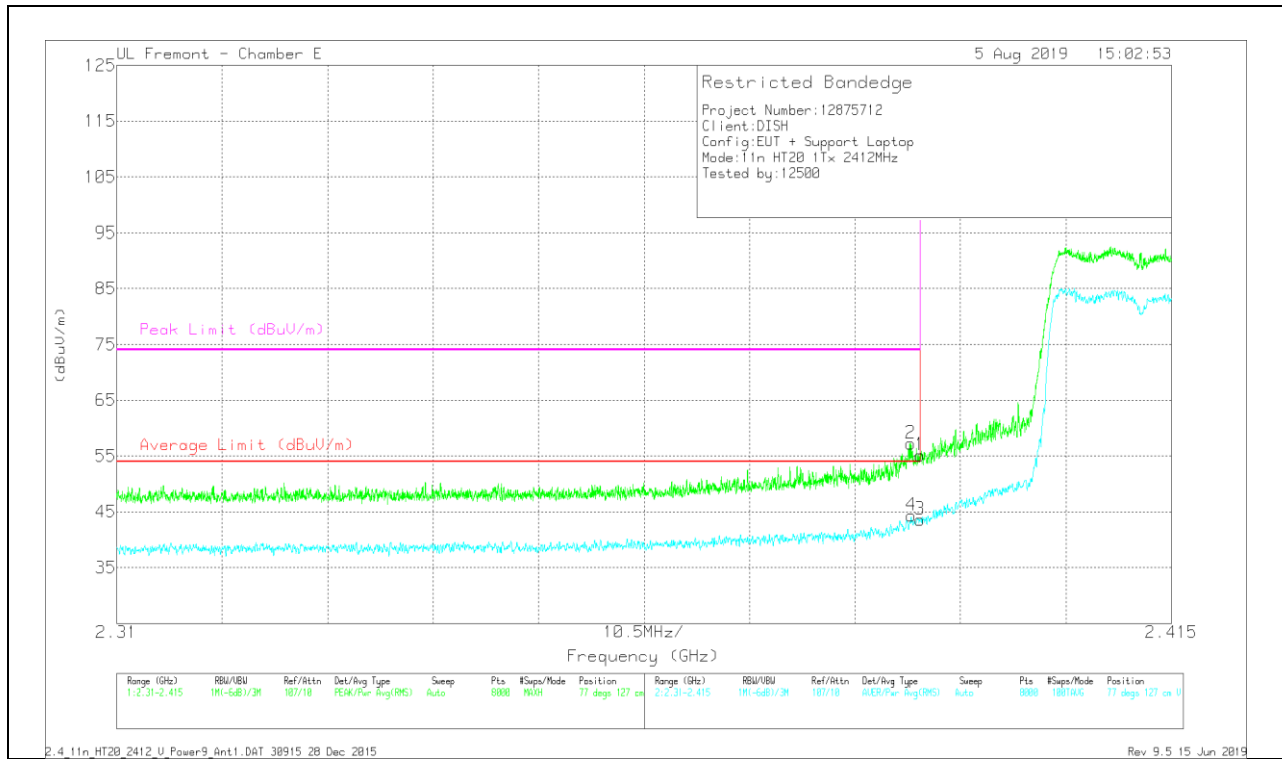
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dBm)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	53.38	Pk	32.3	-26.2	0	64.48	-	-	74	-9.52	291	106	H
2	* 2.38914	60.15	Pk	32.3	-26.2	0	66.25	-	-	74	-7.75	291	106	H
3	* 2.39	46.43	RMS	32.3	-26.2	.09	52.62	54	-1.38	-	-	291	106	H
4	* 2.38973	46.57	RMS	32.3	-26.2	.09	52.76	54	-1.24	-	-	291	106	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dBm)	Ampl/Chl/EIRP/Pa d (dB)	DC Corr (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	49.01	Pk	32.3	-26.2	0	55.11	-	-	74	-18.89	77	127	V
2	* 2.38906	51.12	Pk	32.3	-26.2	0	57.22	-	-	74	-16.78	77	127	V
3	* 2.39	37.25	RMS	32.3	-26.2	.09	43.64	54	-10.36	-	-	77	127	V
4	* 2.38908	38	RMS	32.3	-26.2	.09	44.39	54	-9.61	-	-	77	127	V

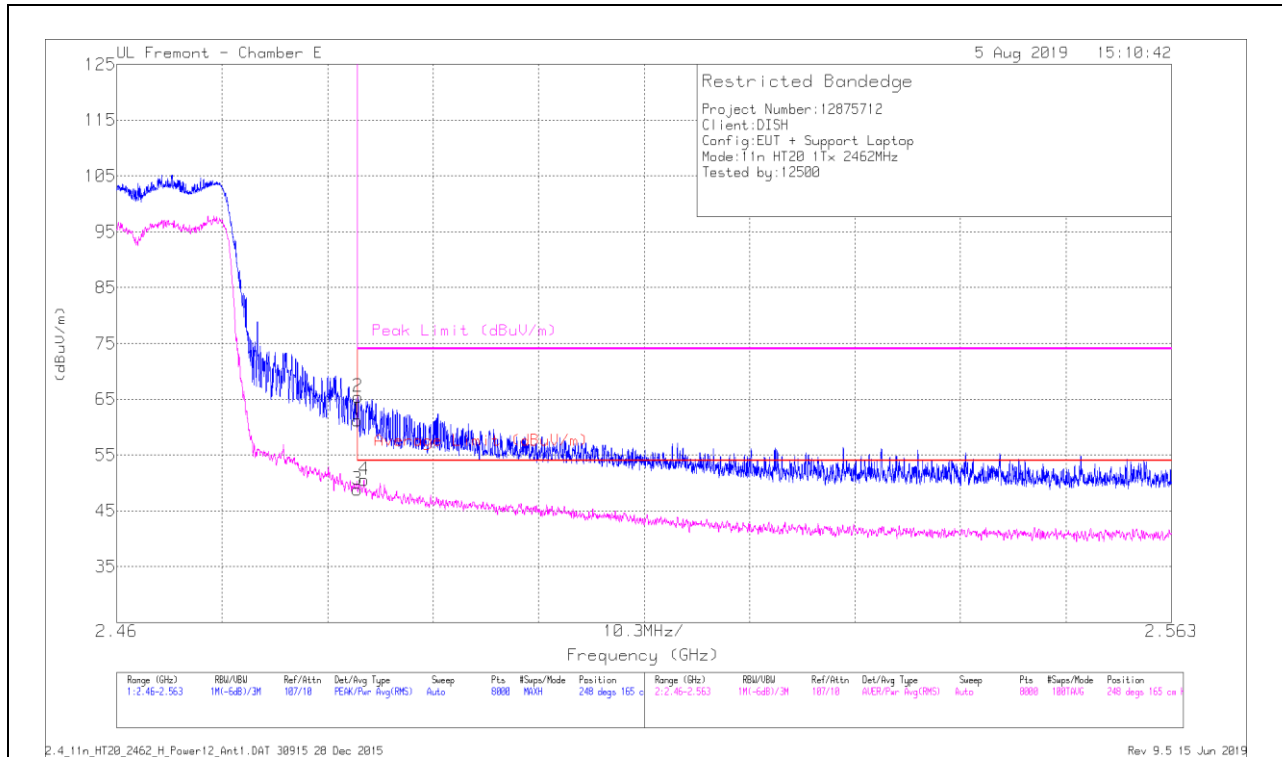
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T110 (dBm)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (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	54.72	Pk	32.8	-26.3	0	61.22	-	-	74	-12.78	248	165	H
2	* 2.48357	58.99	Pk	32.8	-26.3	0	65.49	-	-	74	-8.51	248	165	H
3	* 2.4835	42.09	RMS	32.8	-26.3	.09	48.88	54	-5.12	-	-	248	165	H
4	* 2.48414	43.87	RMS	32.8	-26.3	.09	50.66	54	-3.34	-	-	248	165	H

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

Pk - Peak detector

RMS - RMS detection

UL Fremont - Chamber E

5 Aug 2019 15:15:56

Restricted Bandedge

Project Number: 12875712
Client: DISH
Config: EUT + Support Laptop
Made: 1 in HT20 1Tx 2462MHz
Tested by: 12500

Peak Limit (dBuV/m)

Limit (dBuV/m)

Frequency (GHz)

10.3MHz/

2.46 2.563

Range (GHz)	RBW/VBW	Ref/Attn	Det/Avg Type	Sweep	PLs	#Sups/Mode	Position	Range (GHz)	RBW/VBW	Ref/Attn	Det/Avg Type	Sweep	PLs	#Sups/Mode	Position
1:2.46-2.563	1M/-6dB/1.3M	107/10	FEW/Per Avg(RMS)	Auto	0000	160/4	220 degs 240 c	2:2.46-2.563	1M/-6dB/1.3M	107/10	AEW/Per Avg(RMS)	Auto	0000	160/4	220 degs 240 c

2.4 1In HT20 2462 U Power12 Ant1.DAT 30915 28 Dec 2015

Rev 9.5 15 Jun 2019

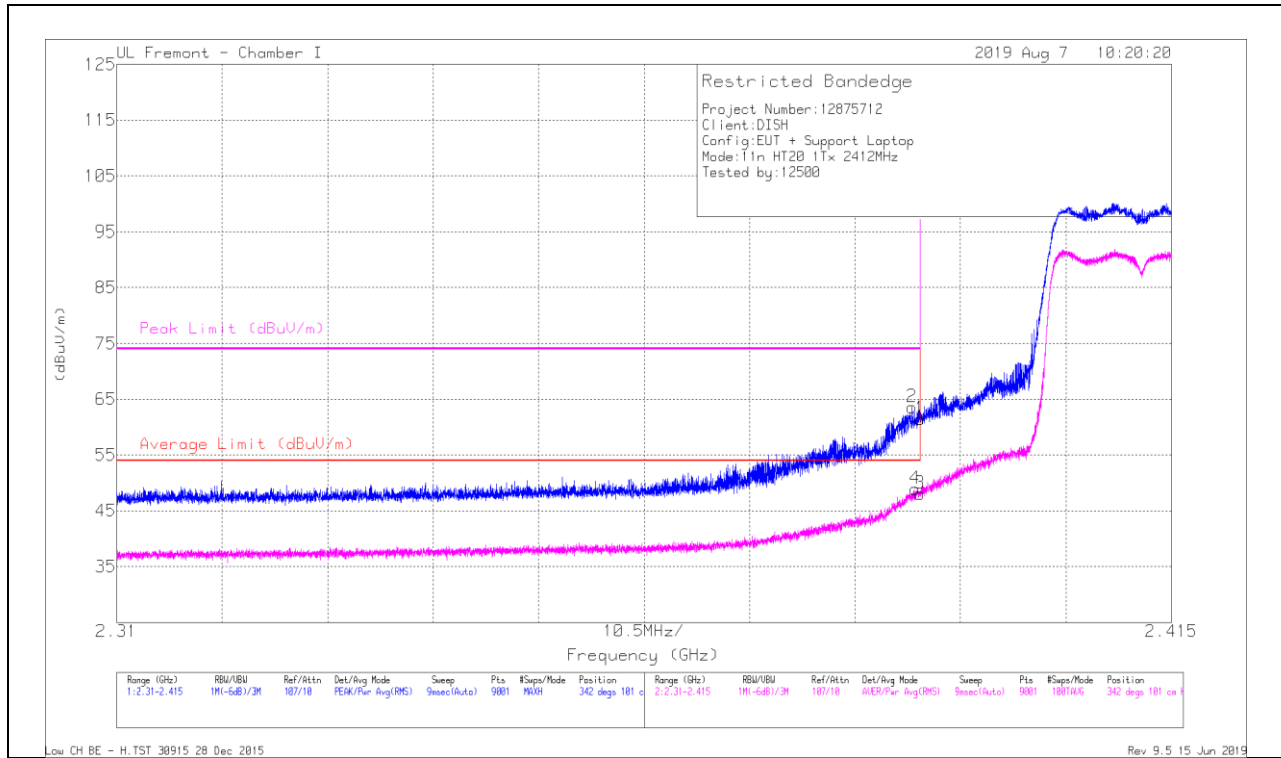
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dBm)	Amp/Cbl/Filt/Pad (dB)	Doc Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	54.98	PK	32.8	-26.3	0	61.48	-	-	74	-12.52	228	240	V
2	* 2.48399	56.48	PK	32.8	-26.3	0	62.98	-	-	74	-11.02	228	240	V
3	* 2.4835	40.14	RMS	32.8	-26.3	.09	46.93	54	-7.07	-	-	228	240	V
4	* 2.48449	41.22	RMS	32.8	-26.3	.09	48.01	54	-5.99	-	-	228	240	V

Pk - Peak detector
RMS - RMS detection

1TX Antenna 2 MODE

BANDEDGE (LOW CHANNEL, CH 1)

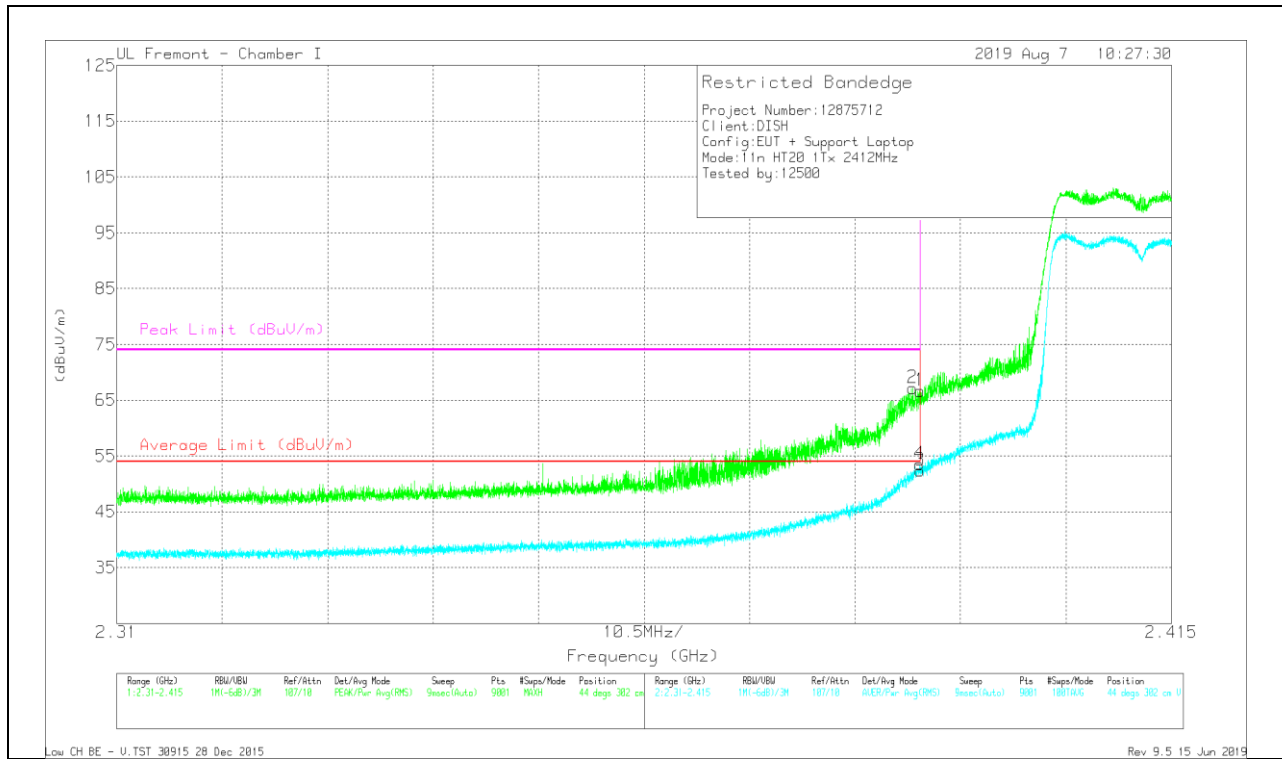
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T86Z (dBm)	Amp/Cbl/Ftr/Pa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.38999	51.17	Pk	31.9	-21.6	0	61.47	-	-	74	-12.53	342	101	H
2	2.38916	53.25	Pk	31.9	-21.6	0	63.55	-	-	74	-10.45	342	101	H
3	2.38999	37.55	RMS	31.9	-21.6	.09	48.14	54	-5.86	-	-	342	101	H
4	2.3895	38.42	RMS	31.9	-21.6	.09	49.01	54	-4.99	-	-	342	101	H

Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT

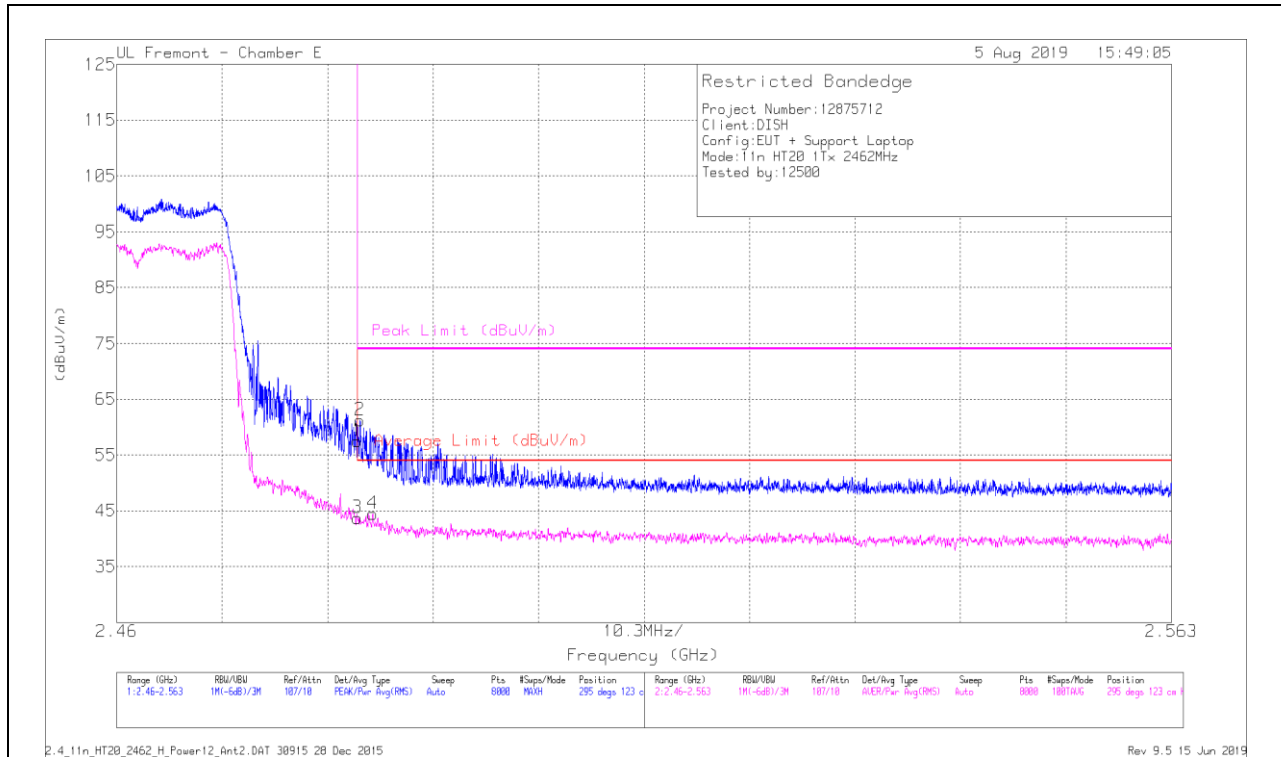


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/Ch/Filter/Pa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.38999	56.33	Pk	31.9	-21.6	0	66.63	-	-	74	-7.37	44	302	V
2	2.38924	56.82	Pk	31.9	-21.6	0	67.12	-	-	74	-6.88	44	302	V
3	2.38999	41.94	RMS	31.9	-21.6	.09	52.33	54	-1.67	-	-	44	302	V
4	2.38994	43.05	RMS	31.9	-21.6	.09	53.44	54	-1.56	-	-	44	302	V

Pk - Peak detector
RMS - RMS detection

BANEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



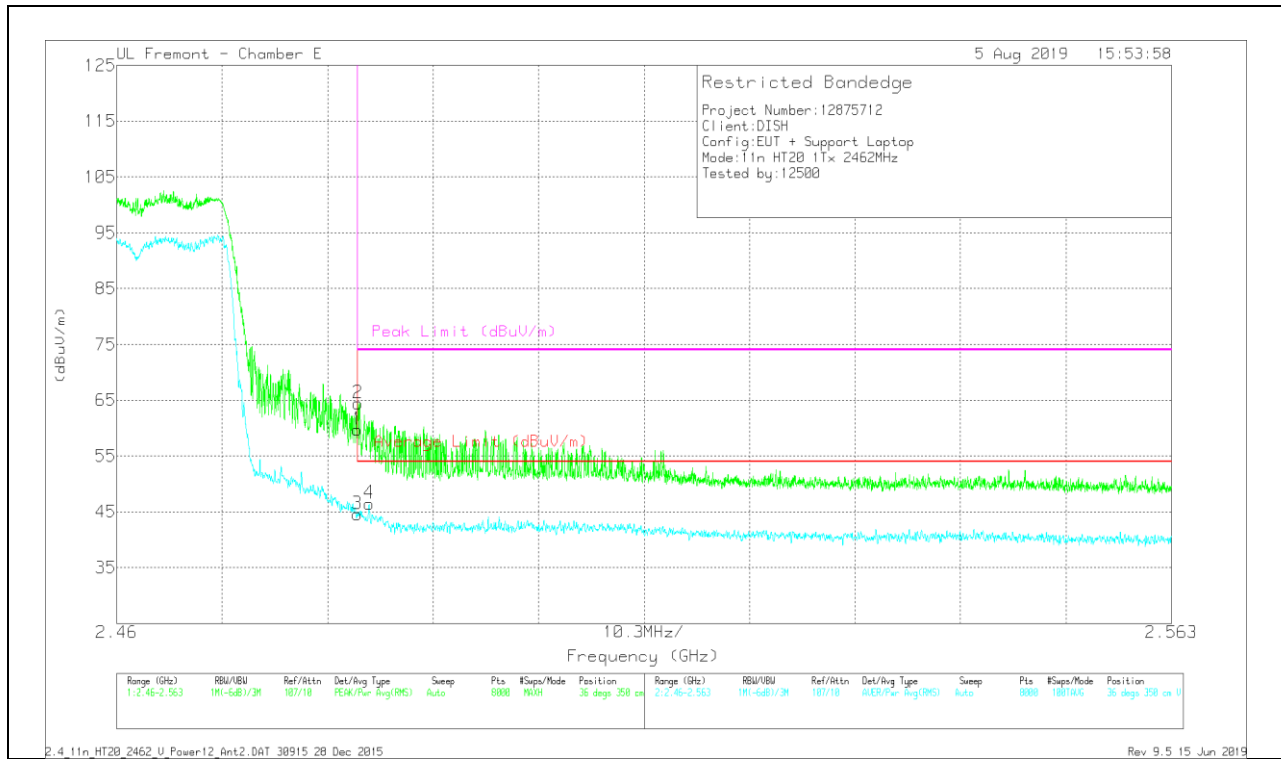
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T110 (dBm)	Ampl/CbI/Filt/Pa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	50.99	Pk	32.8	-26.3	0	57.49	-	-	74	-16.51	295	123	H
2	* 2.48376	54.7	Pk	32.8	-26.3	0	61.2	-	-	74	-12.8	295	123	H
3	* 2.4835	36.98	RMS	32.8	-26.3	.09	43.57	54	-10.43	-	-	295	123	H
4	* 2.48499	37.76	RMS	32.8	-26.3	.09	44.35	54	-9.65	-	-	295	123	H

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

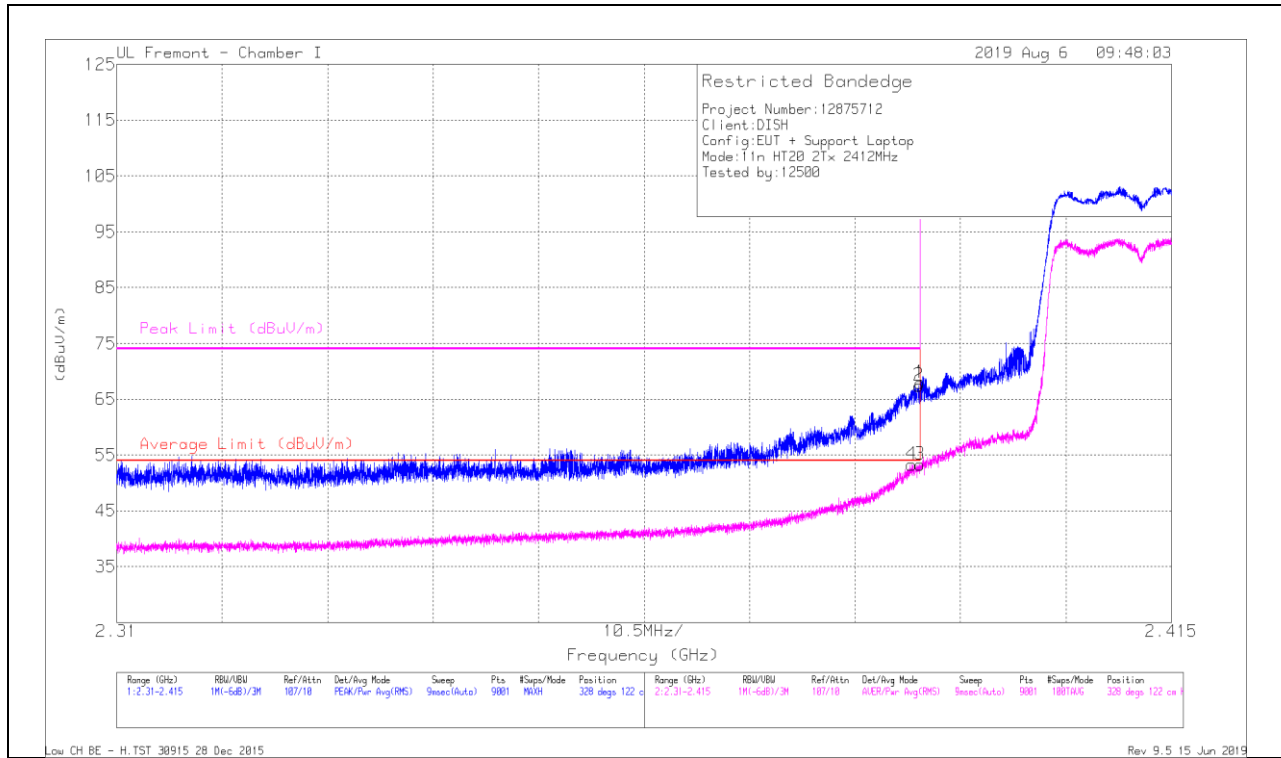


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dBm)	AmplChlRfTrn/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	53.18	Pk	32.8	-26.3	0	59.68	-	-	74	-14.32	36	350	V
2	* 2.48357	57.89	Pk	32.8	-26.3	0	64.39	-	-	74	-9.61	36	350	V
3	* 2.4835	37.86	RMS	32.8	-26.3	.09	44.45	54	-9.55	-	-	36	350	V
4	* 2.48463	39.81	RMS	32.8	-26.3	.09	46.4	54	-7.6	-	-	36	350	V

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

Pk - Peak detector

RMS - RMS detection

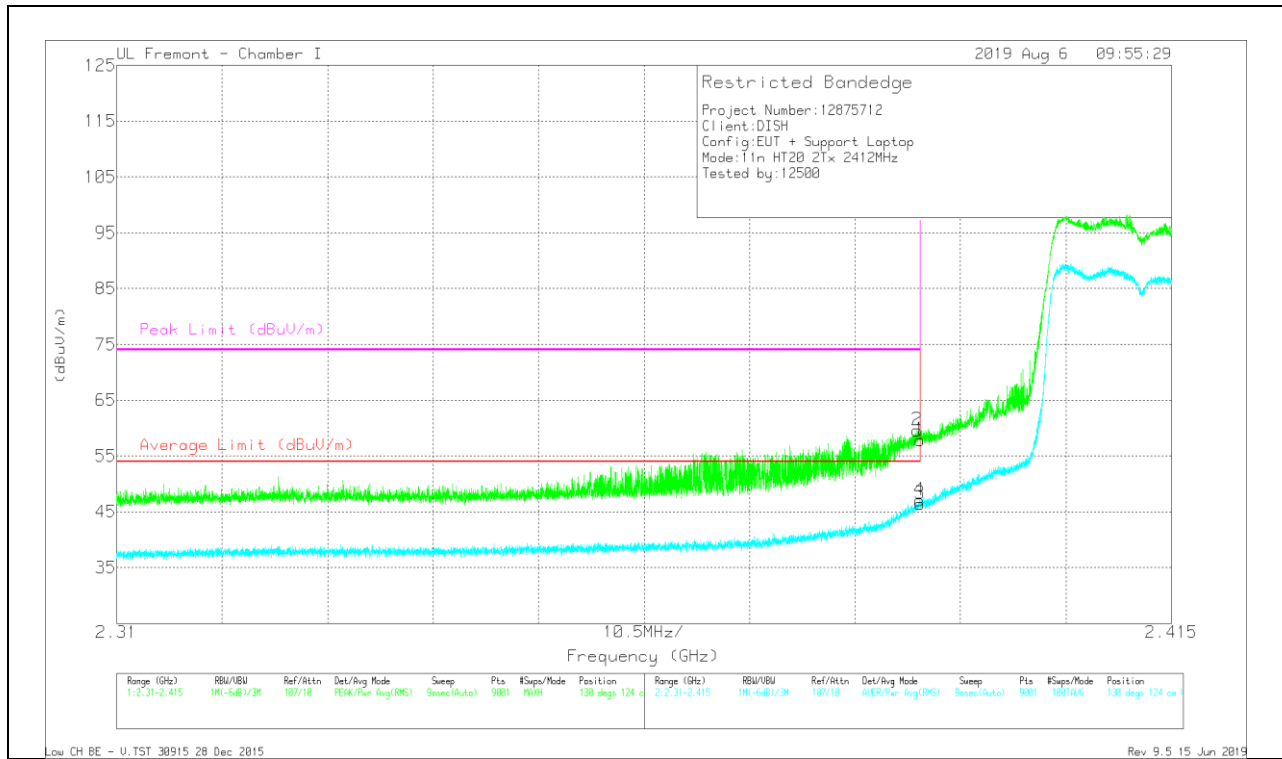
2TX Antenna 1 + Antenna 2 CDD MODE**BANDEDGE (LOW CHANNEL, CH 1)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.38999	57.66	Pk	31.9	-21.6	0	67.96	-	-	74	-6.04	328	122	H
2	2.38988	57.07	Pk	31.9	-21.6	0	67.37	-	-	74	-6.63	328	122	H
3	2.38999	42.97	RMS	31.9	-21.6	.19	53.46	54	-54	-	-	328	122	H
4	2.38914	43.01	RMS	31.9	-21.6	.19	53.5	54	-5	-	-	328	122	H

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

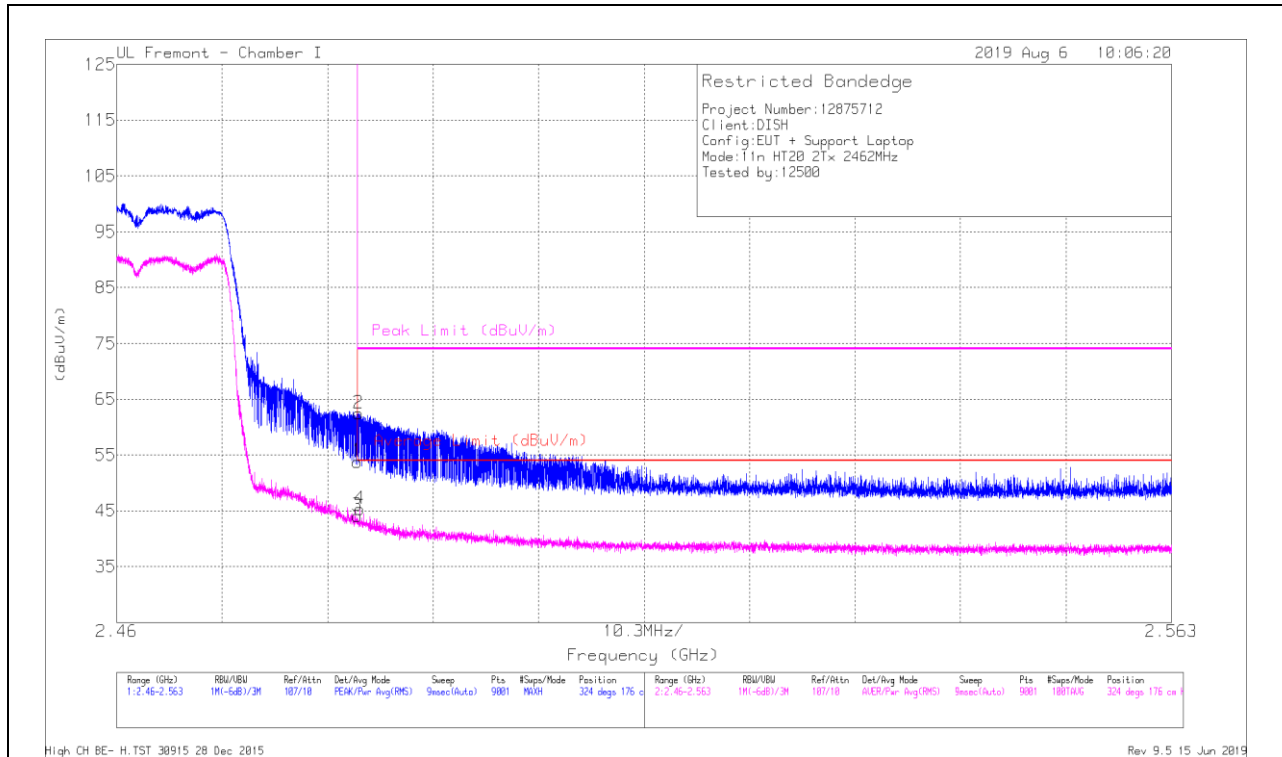


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/Ch/Filter/Pa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.38999	47.51	Pk	31.9	-21.6	0	57.81	-	-	74	-16.19	130	124	V
2	2.3897	49.31	Pk	31.9	-21.6	0	59.61	-	-	74	-14.39	130	124	V
3	2.38999	35.97	RMS	31.9	-21.6	.19	46.46	54	-7.54	-	-	130	124	V
4	2.38994	36.55	RMS	31.9	-21.6	.19	47.04	54	-6.96	-	-	130	124	V

Pk - Peak detector
RMS - RMS detection

BANEDGE (HIGH CHANNEL, CH 11)

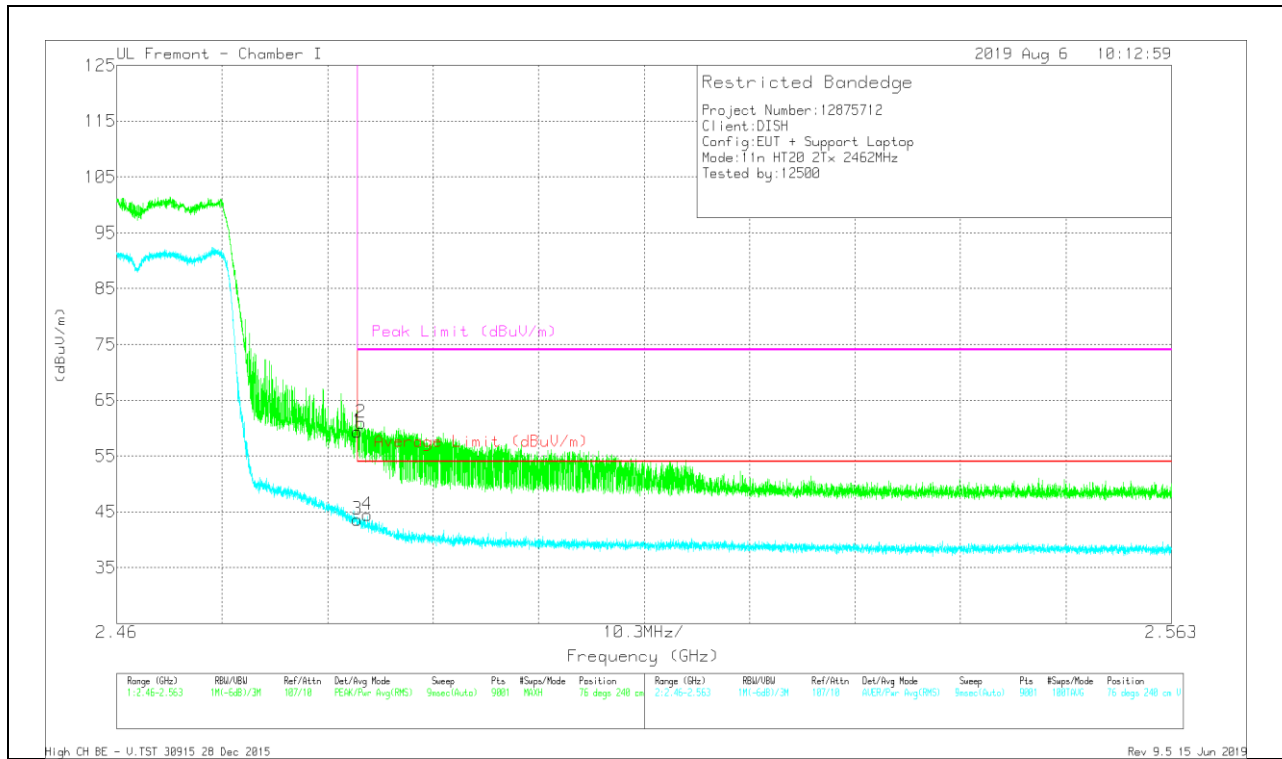
HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/CBIFilter/PA d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.48351	43.13	Pk	32.4	-21.7	0	53.83	-	-	74	-20.17	324	176	H
2	2.48361	51.73	Pk	32.4	-21.7	0	62.43	-	-	74	-11.57	324	176	H
3	2.48351	33.15	RMS	32.4	-21.7	.19	44.04	54	-9.96	-	-	324	176	H
4	2.48372	34.46	RMS	32.4	-21.7	.19	45.35	54	-8.65	-	-	324	176	H

Pk - Peak detector
RMS - RMS detection

VERTICAL RESULT

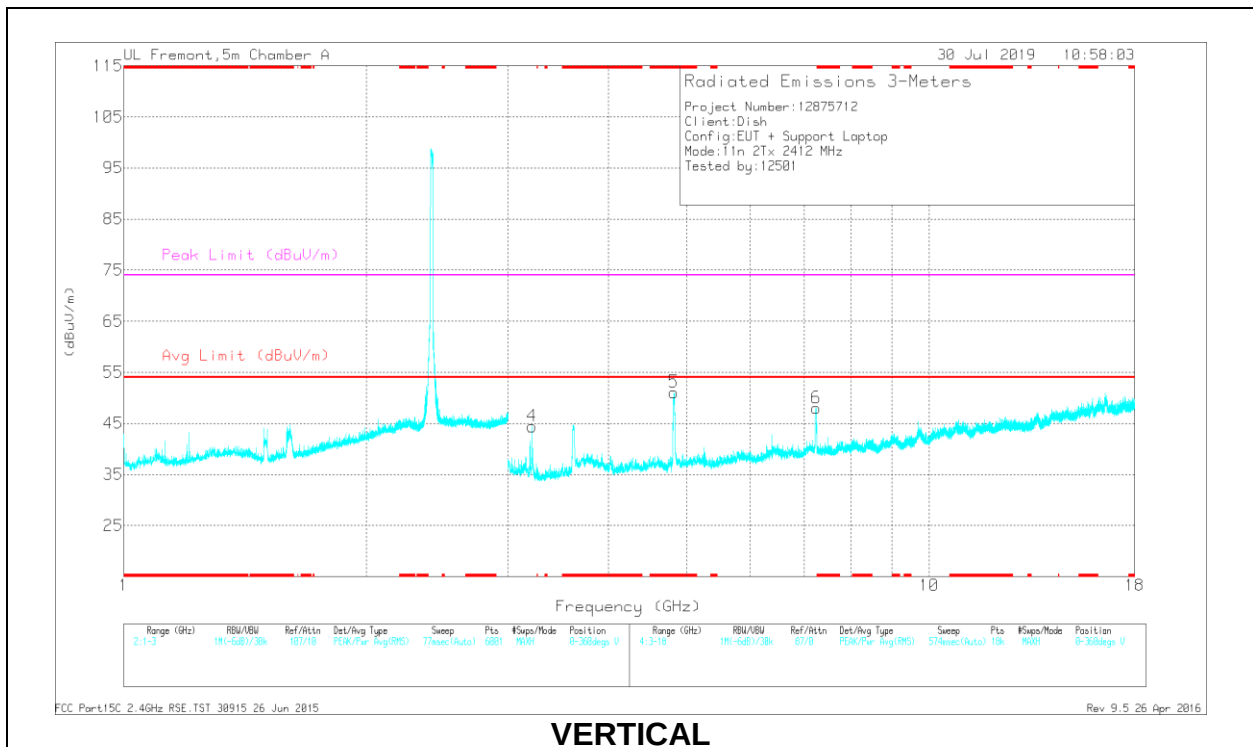
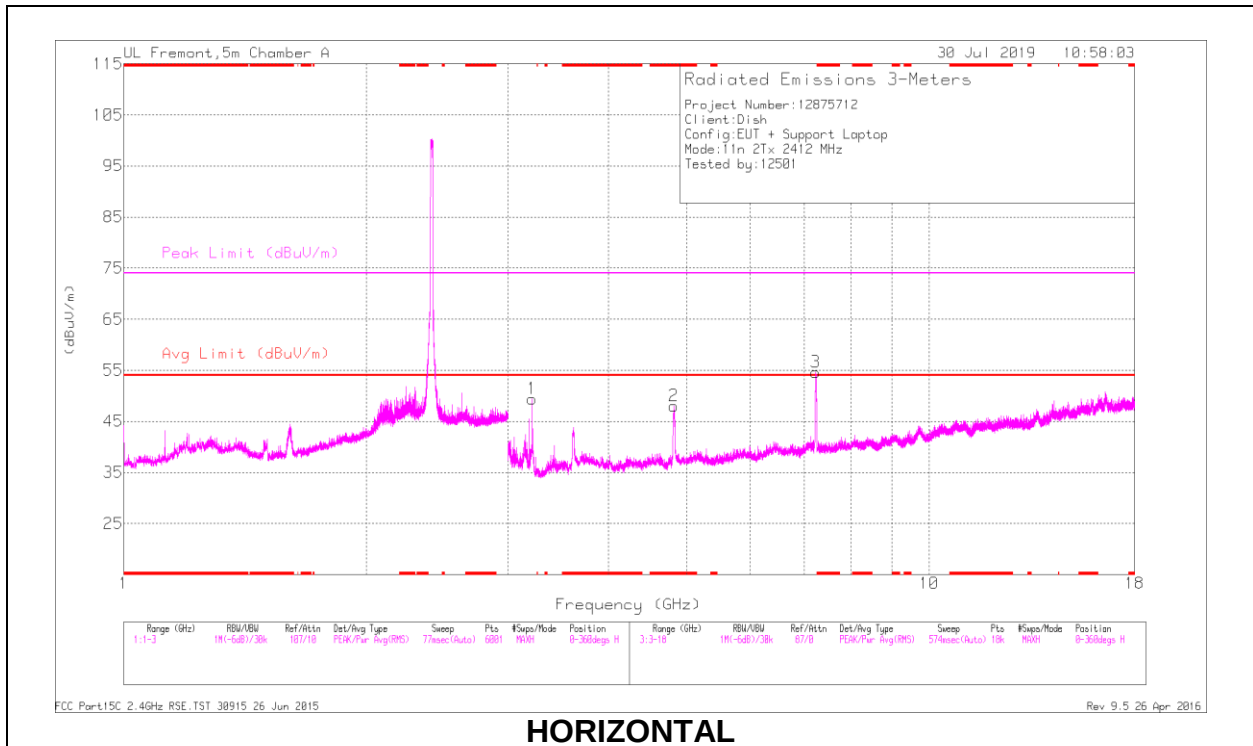


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	Amp/Ch/Filter/Pa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.48351	48.64	Pk	32.4	-21.7	0	59.34	-	-	74	-14.66	76	240	V
2	2.48387	50.22	Pk	32.4	-21.7	0	60.92	-	-	74	-13.08	76	240	V
3	2.48351	32.69	RMS	32.4	-21.7	.19	43.58	54	-10.42	-	-	76	240	V
4	2.48446	33.49	RMS	32.4	-21.7	.19	44.38	54	-9.62	-	-	76	240	V

Pk - Peak detector
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS



RADIATED EMISSIONS

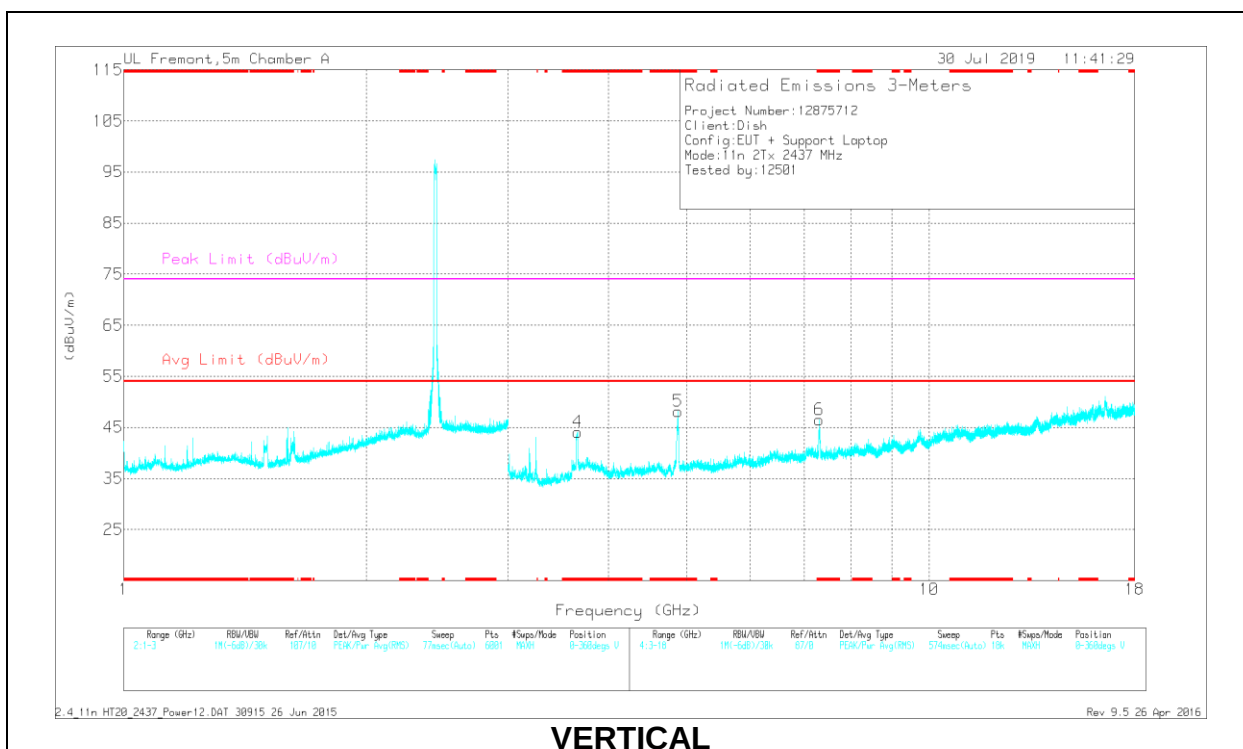
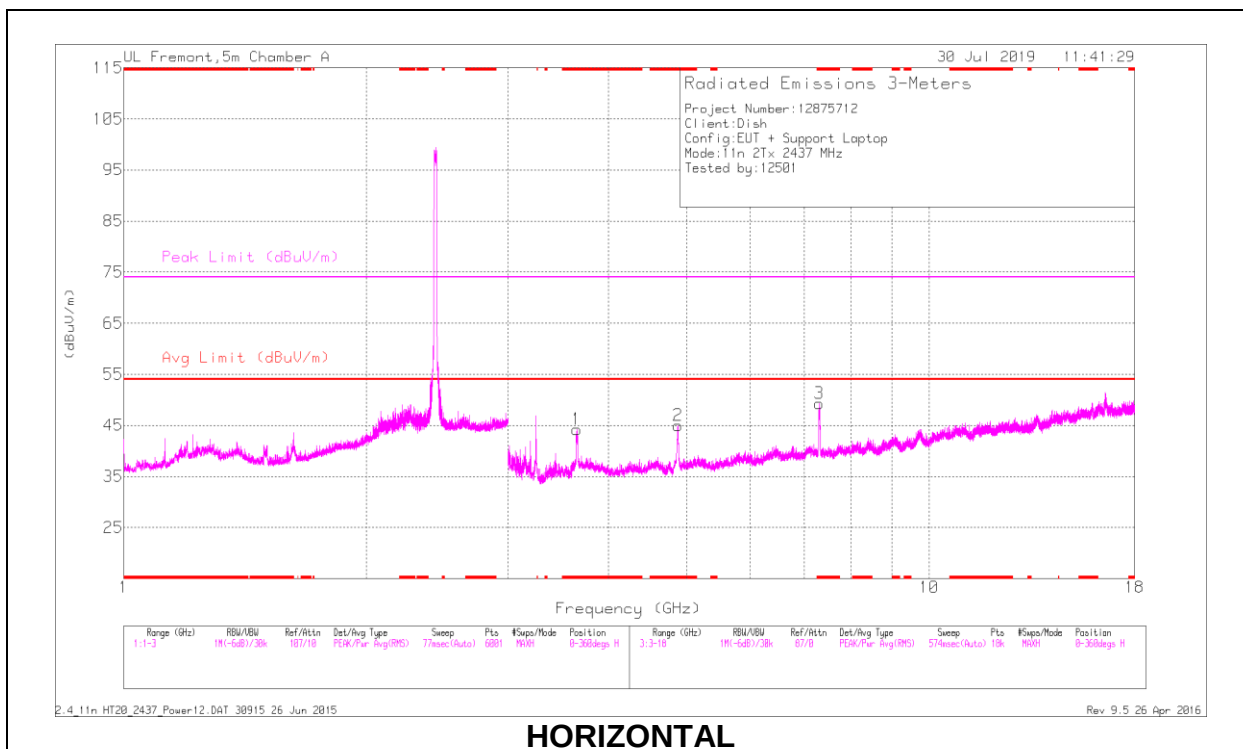
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Filtr/ Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 4.824	49.59	PK2	34.4	-26.3	0	57.69	-	-	74	-16.31	11	349	H
	* 4.824	37.93	MAV1	34.4	-26.3	.19	46.22	54	-7.78	-	-	11	349	H
5	* 4.823	49.9	PK2	34.4	-26.3	0	58	-	-	74	-16	72	117	V
	* 4.823	38.48	MAV1	34.4	-26.3	.19	46.77	54	-7.23	-	-	72	117	V
1	3.216	50.68	PK2	32.9	-28.4	0	55.18	-	-	-	-	279	276	H
	3.216	44.3	MAV1	32.9	-28.4	.19	48.99	-	-	-	-	279	276	H
4	3.216	44.59	PK2	32.9	-28.4	0	49.09	-	-	-	-	260	178	V
	3.216	37.98	MAV1	32.9	-28.4	.19	42.67	-	-	-	-	260	178	V
3	7.23	46.62	PK2	36	-23.5	0	59.12	-	-	-	-	241	182	H
	7.233	35.17	MAV1	36	-23.6	.19	47.76	-	-	-	-	241	182	H
6	7.237	43.34	PK2	35.9	-23.6	0	55.64	-	-	-	-	312	173	V
	7.237	31.46	MAV1	35.9	-23.6	.19	43.95	-	-	-	-	312	173	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

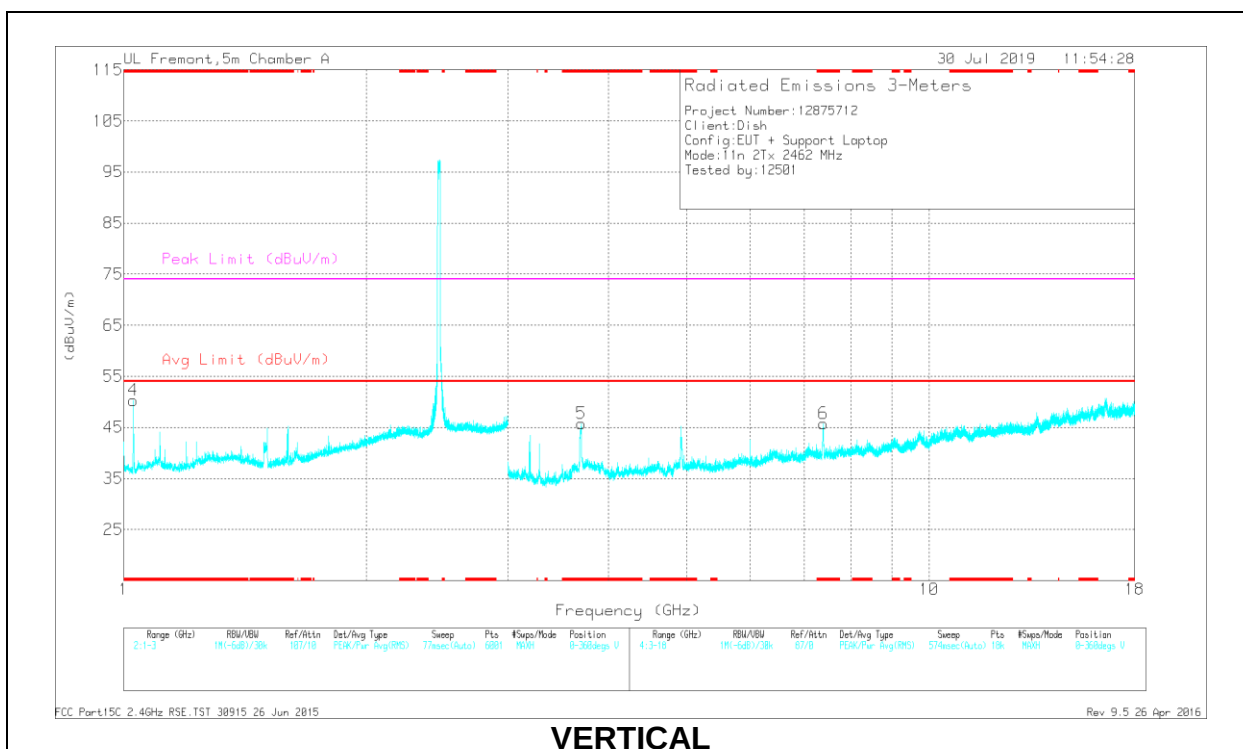
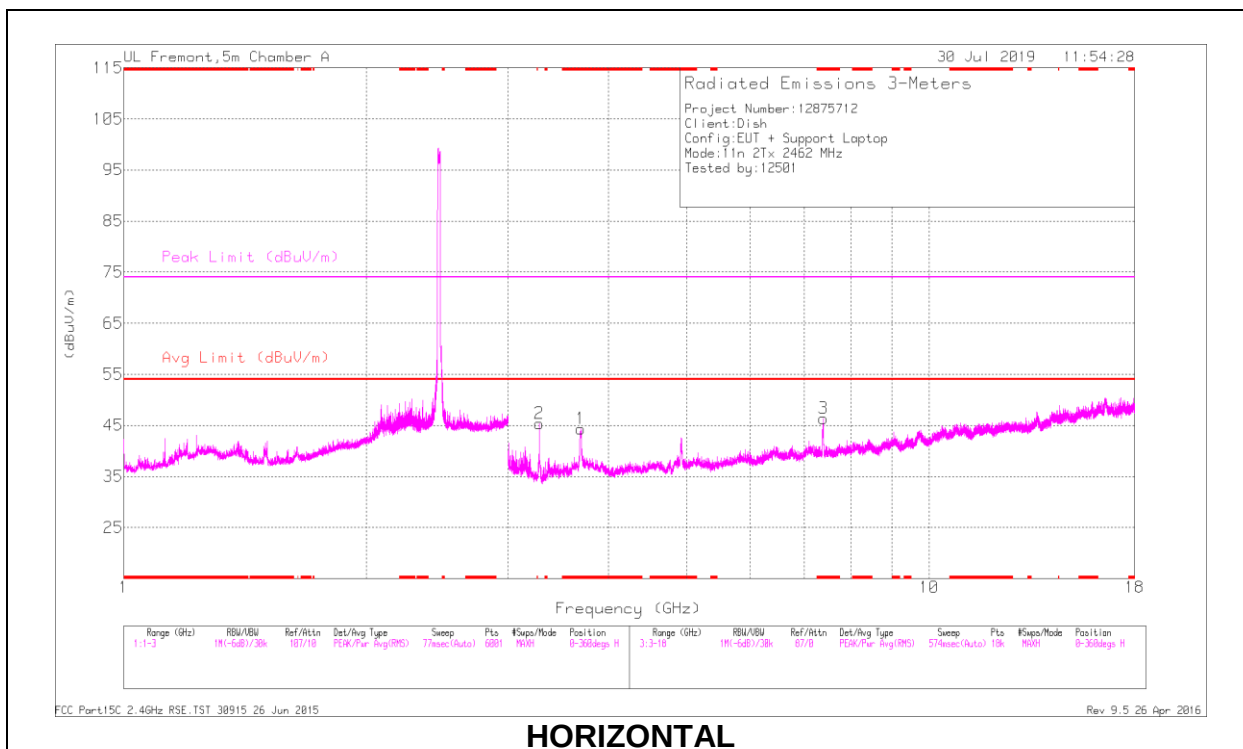
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Ampl/Cbl/Filtr/ Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.652	44.45	PK2	33.2	-28.4	0	49.25	-	-	74	-24.75	311	190	H
	* 3.655	32.82	MAV1	33.2	-28.4	.19	37.81	54	-16.19	-	-	311	190	H
2	* 4.877	44.1	PK2	34.2	-26.2	0	52.1	-	-	74	-21.9	9	305	H
	* 4.876	33.17	MAV1	34.2	-26.2	.19	41.36	54	-12.64	-	-	9	305	H
3	* 7.312	46.17	PK2	35.8	-23.8	0	58.17	-	-	74	-15.83	267	235	H
	* 7.313	33.66	MAV1	35.7	-23.8	.19	45.75	54	-8.25	-	-	267	235	H
4	* 3.664	45.72	PK2	33.2	-28.4	0	50.52	-	-	74	-23.48	0	102	V
	* 3.663	35.66	MAV1	33.2	-28.4	.19	40.65	54	-13.35	-	-	0	102	V
5	* 4.876	45.71	PK2	34.2	-26.2	0	53.71	-	-	74	-20.29	74	127	V
	* 4.876	33.51	MAV1	34.2	-26.2	.19	41.7	54	-12.3	-	-	74	127	V
6	* 7.311	40.37	PK2	35.8	-23.8	0	52.37	-	-	74	-21.63	309	176	V
	* 7.309	28.78	MAV1	35.8	-23.8	.19	40.97	54	-13.03	-	-	309	176	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	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T346 (dBm)	Ampl/Cbl/Filtr/ Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 1.029	42.34	PK2	27.2	-25.4	0	44.14	-	-	74	-29.86	26	158	V
	* 1.027	31.39	MAV1	27.2	-25.4	.19	33.38	54	-20.62	-	-	26	158	V
1	* 3.691	47.06	PK2	33.2	-28.2	0	52.06	-	-	74	-21.94	351	181	H
	* 3.693	35.26	MAV1	33.2	-28.1	.19	40.55	54	-13.45	-	-	351	181	H
3	* 7.395	41.73	PK2	35.6	-22.6	0	54.73	-	-	74	-19.27	258	235	H
	* 7.392	28.6	MAV1	35.6	-22.6	.19	41.79	54	-12.21	-	-	258	235	H
5	* 3.701	46.34	PK2	33.2	-28.1	0	51.44	-	-	74	-22.56	3	102	V
	* 3.7	36.27	MAV1	33.2	-28.1	.19	41.56	54	-12.44	-	-	3	102	V
6	* 7.392	39.87	PK2	35.6	-22.6	0	52.87	-	-	74	-21.13	352	242	V
	* 7.389	28.2	MAV1	35.7	-22.7	.19	41.39	54	-12.61	-	-	352	242	V
2	3.283	46.56	PK2	32.9	-29.1	0	50.36	-	-	-	-	287	102	H
	3.283	38.14	MAV1	32.9	-29.1	.19	42.13	-	-	-	-	287	102	H

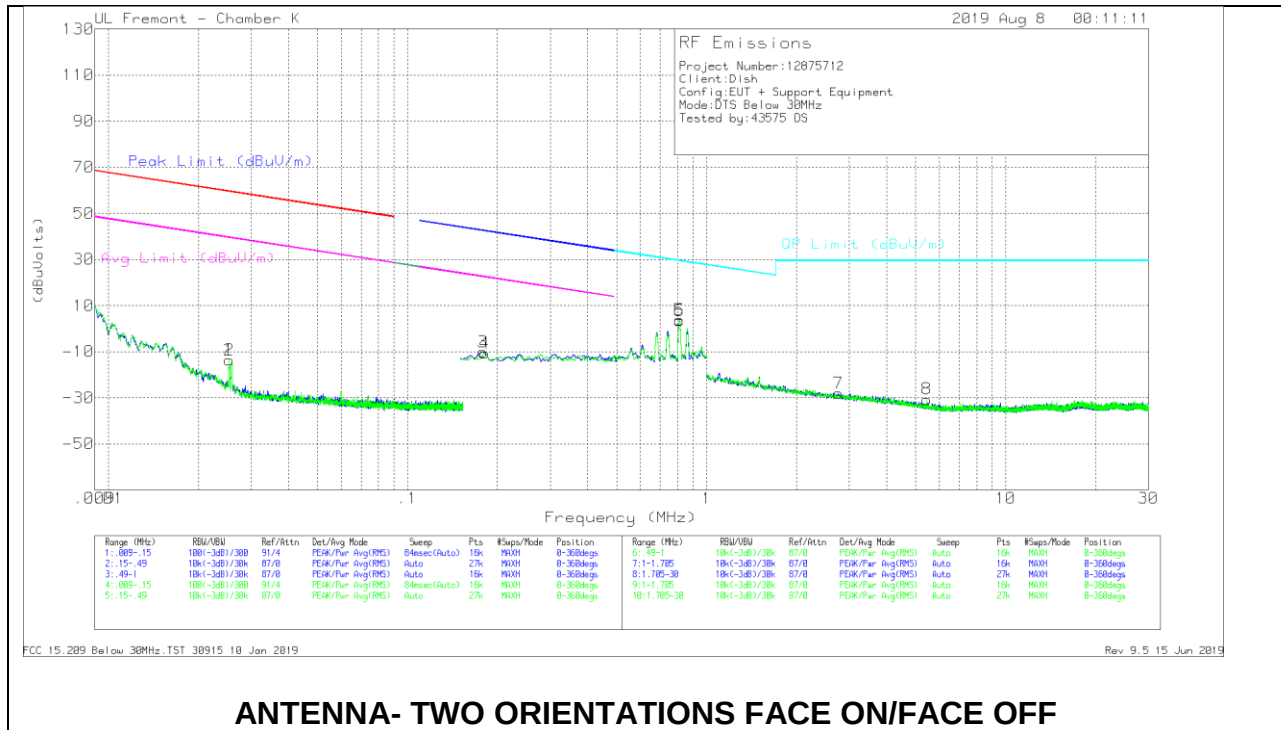
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

9.2. WORST CASE BELOW 30MHZ

SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION)



Below 30MHz Data

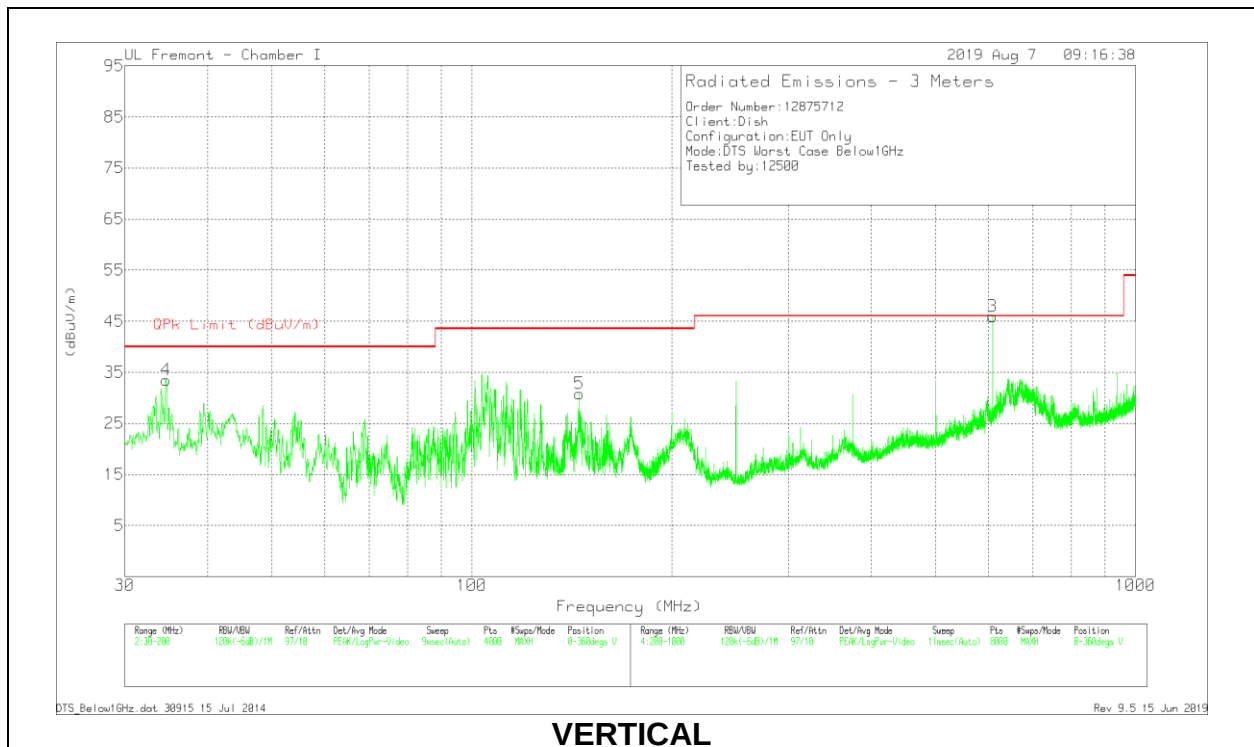
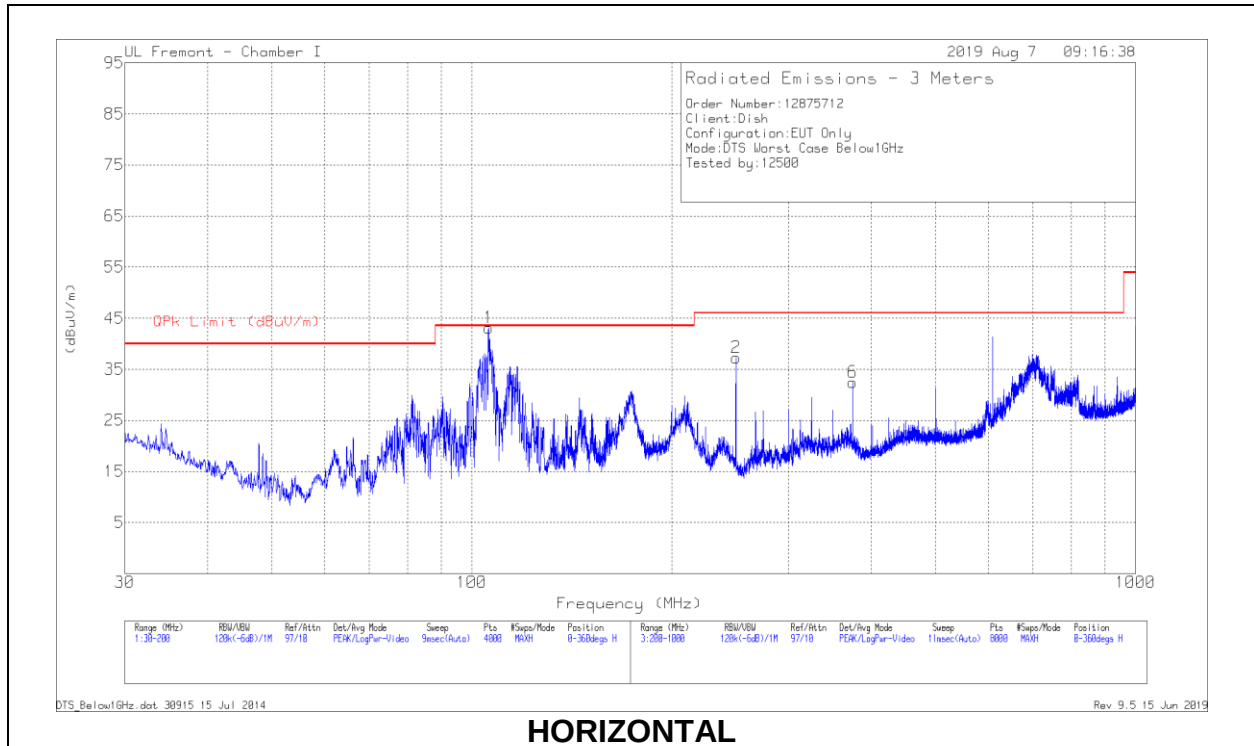
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (ACF)	Cables w/ PRE0186 650	Dist Corr 300m	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	.02535	.5	Pk	58.2	-32.2	-40	-13.5	59.5	-73	39.5	-53	-	-	-	-	0-360
3	.17865	5.93	Pk	56	-32.1	-40	-10.17	-	-	-	-	42.58	-52.75	22.58	-32.75	0-360
2	.02536	.49	Pk	58.2	-32.2	-40	-13.51	59.5	-73.01	39.5	-53.01	-	-	-	-	0-360
4	.18096	5.4	Pk	56	-32.1	-40	-10.7	-	-	-	-	42.47	-53.17	22.47	-33.17	0-360

Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (ACF)	Cables w/ PRE0186650	Dist Corr 30m (dB) 40Log	Corrected Reading (dBuVolts)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
5	.81088	19.76	Pk	56.1	-32.1	-40	3.76	29.44	-25.68	0-360
6	.81174	19.46	Pk	56.1	-32.1	-40	3.46	29.43	-25.97	0-360
7	2.7551	4.44	Pk	39.5	-32	-40	-28.06	29.5	-57.56	0-360
8	5.45055	5.78	Pk	35.6	-32	-40	-30.62	29.5	-60.12	0-360

Pk - Peak detector

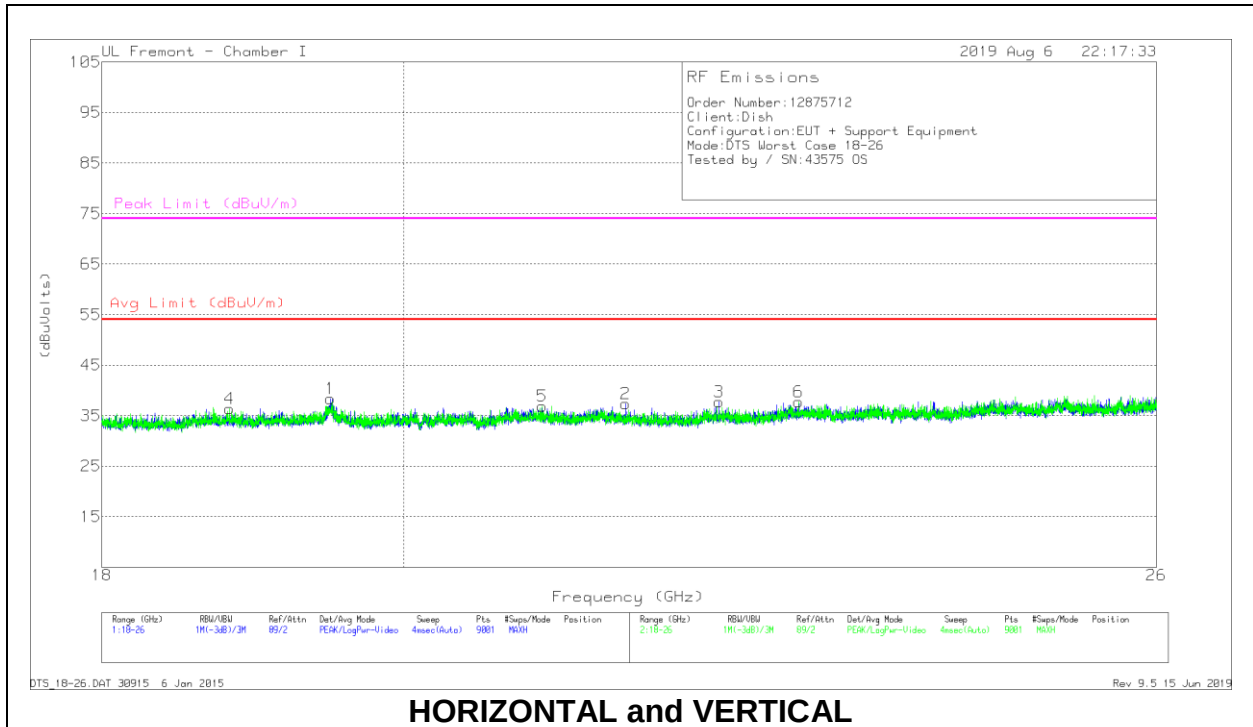
9.3. WORST CASE BELOW 1 GHZ



Below 1GHz DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF PRE0184971 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	105.9672	56.27	Pk	17.7	-30.8	43.17	43.52	-.35	0-360	299	H
	106.7023	45.05	Qp	17.8	-30.8	32.05	43.52	-11.47	14	326	H
4	34.6337	41.32	Pk	23.6	-31.4	33.52	40	-6.48	0-360	101	V
5	145.2473	42.94	Pk	18.5	-30.6	30.84	43.52	-12.68	0-360	101	V
2	249.9065	49.9	Pk	17.4	-30	37.3	46.02	-8.72	0-360	101	H
6	374.9227	41.39	Pk	20.8	-29.7	32.49	46.02	-13.53	0-360	101	H
3	609.2532	50.36	Pk	24.6	-29.1	45.86	46.02	-.16	0-360	101	V
	609.2455	50.01	Qp	24.6	-29.1	45.51	46.02	-.51	147	100	V

9.4. WORST CASE 18-26 GHZ



18 – 26GHz DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF PRE018218 8 (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	19.49333	71.61	Pk	33.3	-57.1	-9.5	38.31	54	-15.69	74	-35.69
2	21.608	70.5	Pk	33.7	-57.3	-9.5	37.4	54	-16.6	74	-36.6
3	22.32267	70.79	Pk	34.2	-57.8	-9.5	37.69	54	-16.31	74	-36.31
4	18.81867	70.87	Pk	33.2	-58.2	-9.5	36.37	54	-17.63	74	-37.63
5	20.99022	69.92	Pk	33.7	-57.2	-9.5	36.92	54	-17.08	74	-37.08
6	22.95022	70.45	Pk	34.3	-57.5	-9.5	37.75	54	-16.25	74	-36.25

Pk - Peak detector

10. 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.

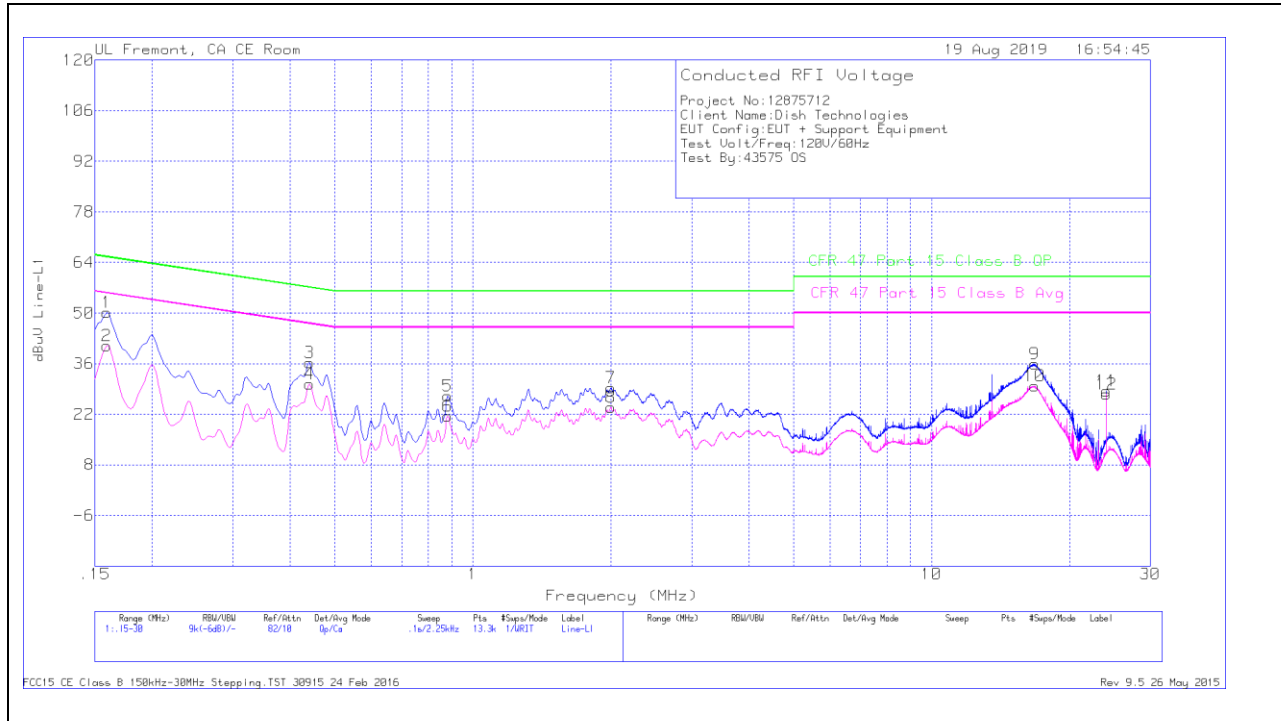
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

10.1.1. AC Power Line Norm

LINE 1 RESULTS

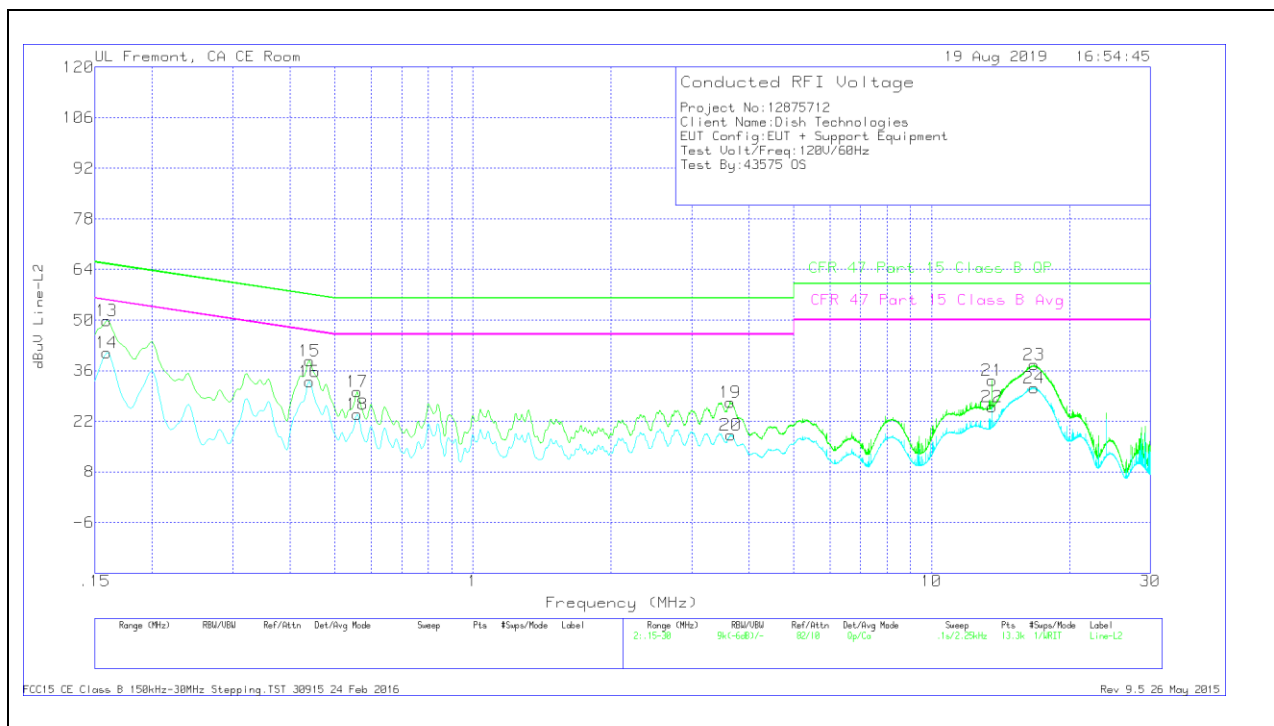


Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
1	.159	39.9	Qp	.1	0	10.1	50.1	65.52	-15.42	-	-
2	.159	30.8	Ca	.1	0	10.1	41	-	-	55.52	-14.52
3	.44025	26.19	Qp	0	0	10.1	36.29	57.06	-20.77	-	-
4	.44025	20.34	Ca	0	0	10.1	30.44	-	-	47.06	-16.62
5	.88125	16.96	Qp	0	0	10.1	27.06	56	-28.94	-	-
6	.88125	11.4	Ca	0	0	10.1	21.5	-	-	46	-24.5
7	2.00175	19.16	Qp	0	.1	10.1	29.36	56	-26.64	-	-
8	1.9995	13.69	Ca	0	.1	10.1	23.89	-	-	46	-22.11
9	16.7775	25.2	Qp	.1	.3	10.3	35.9	60	-24.1	-	-
10	16.7775	19.13	Ca	.1	.3	10.3	29.83	-	-	50	-20.17
11	24.054	17.51	Qp	.1	.3	10.5	28.41	60	-31.59	-	-
12	24.054	16.75	Ca	.1	.3	10.5	27.65	-	-	50	-22.35

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables C2&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR) Margin (dB)
13	.159	39.62	Qp	.1	0	10.1	49.82	65.52	-15.7	-	-
14	.159	30.69	Ca	.1	0	10.1	40.89	-	-	55.52	-14.63
15	.44025	28.61	Qp	0	0	10.1	38.71	57.06	-18.35	-	-
16	.44025	22.94	Ca	0	0	10.1	33.04	-	-	47.06	-14.02
17	.5595	20.01	Qp	0	0	10.1	30.11	56	-25.89	-	-
18	.5595	13.87	Ca	0	0	10.1	23.97	-	-	46	-22.03
19	3.64313	16.95	Qp	0	.1	10.1	27.15	56	-28.85	-	-
20	3.6465	7.93	Ca	0	.1	10.1	18.13	-	-	46	-27.87
21	13.56	22.75	Qp	.1	.2	10.2	33.25	60	-26.75	-	-
22	13.56	15.55	Ca	.1	.2	10.2	26.05	-	-	50	-23.95
23	16.719	27.02	Qp	.1	.3	10.3	37.72	60	-22.28	-	-
24	16.7145	20.55	Ca	.1	.3	10.3	31.25	-	-	50	-18.75

Qp - Quasi-Peak detector

Ca - CISPR average detection