

8.5. POWER SPECTRAL DENSITY

LIMITS

FCC §15.247 (e)

RSS-247 (5.2) (b)

The power spectral density conducted from the transmitter to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

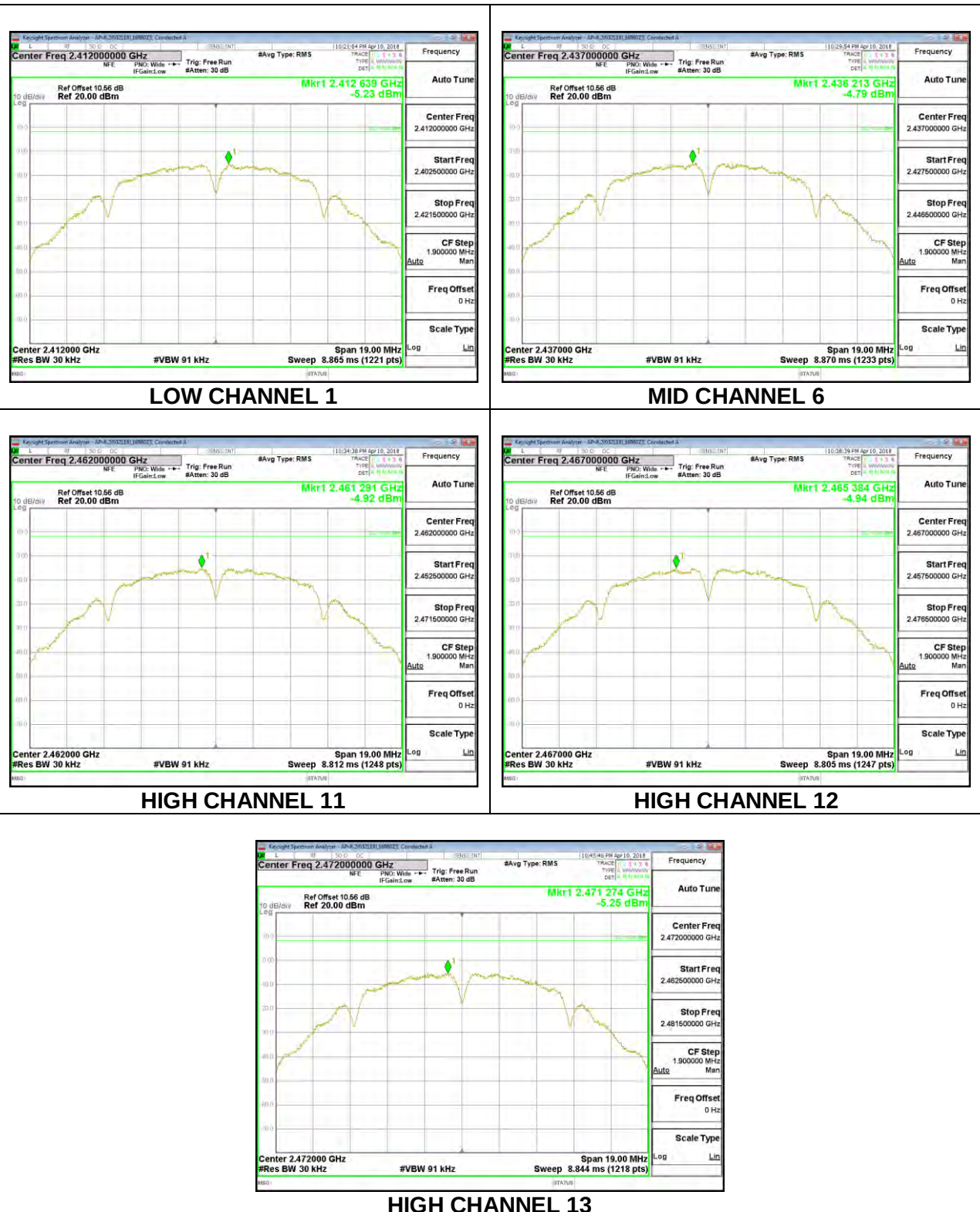
RESULTS

8.5.1. 802.11b MODE

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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PSD Results

Channel	Frequency (MHz)	Meas (dBm/ 30kHz)	Total Corr'd PSD (dBm/ 30kHz)	Limit (dBm/ 3kHz)	Margin (dB)
Low 1	2412	-5.23	-5.23	8.0	-13.2
Mid 6	2437	-4.79	-4.79	8.0	-12.8
High 11	2462	-4.92	-4.92	8.0	-12.9
High 12	2467	-4.94	-4.94	8.0	-12.9
High 13	2472	-5.25	-5.25	8.0	-13.3

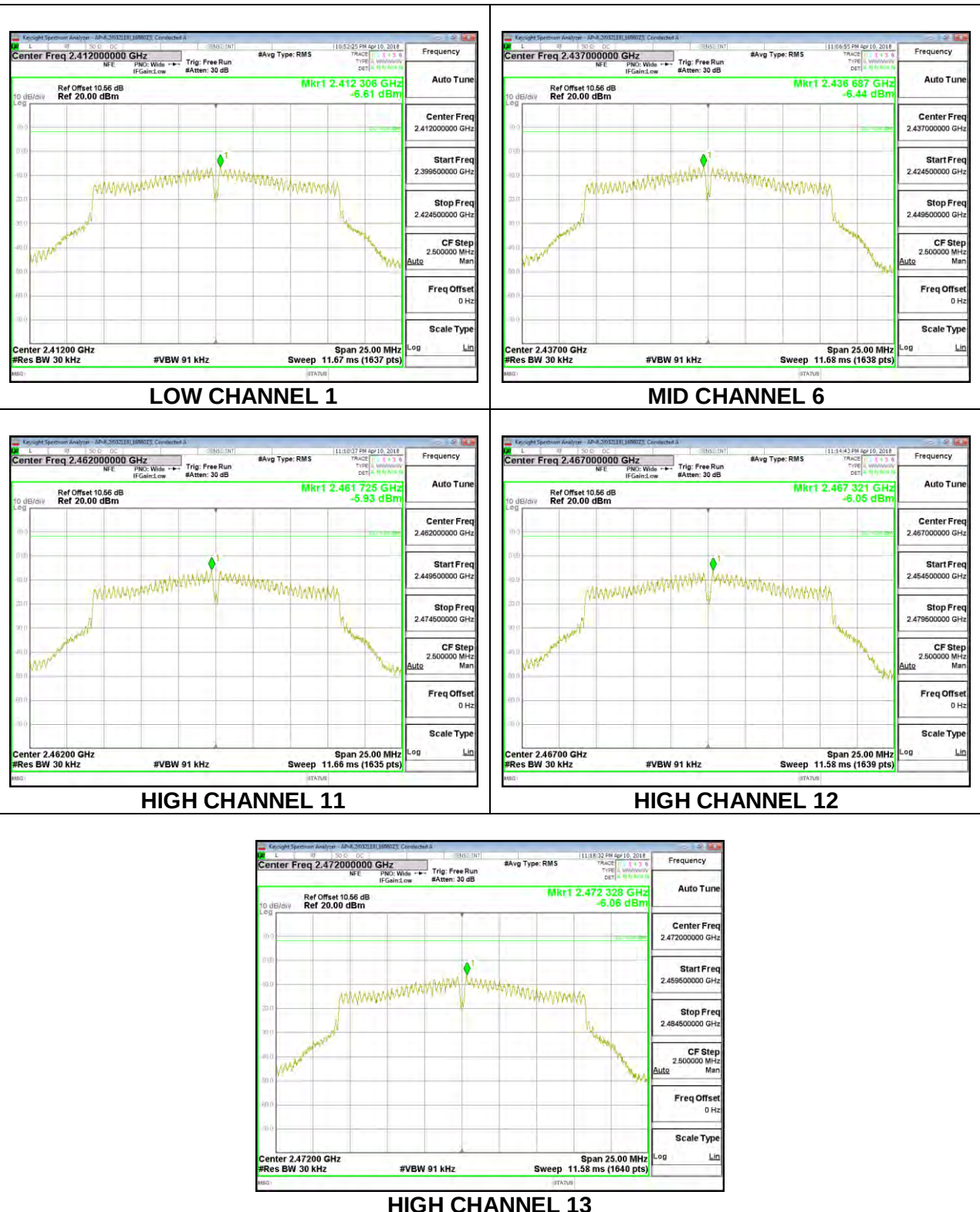


8.5.2. 802.11g MODE

Duty Cycle CF (dB)	0.29	Included in Calculations of Corr'd PSD
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PSD Results

Channel	Frequency (MHz)	Meas (dBm/ 30kHz)	Total Corr'd PSD (dBm/ 30kHz)	Limit (dBm/ 3kHz)	Margin (dB)
Low 1	2412	-6.61	-6.32	8.0	-14.3
Mid 6	2437	-6.44	-6.15	8.0	-14.2
High 11	2462	-5.93	-5.64	8.0	-13.6
High 12	2467	-6.05	-5.76	8.0	-13.8
High 13	2472	-6.06	-5.77	8.0	-13.8

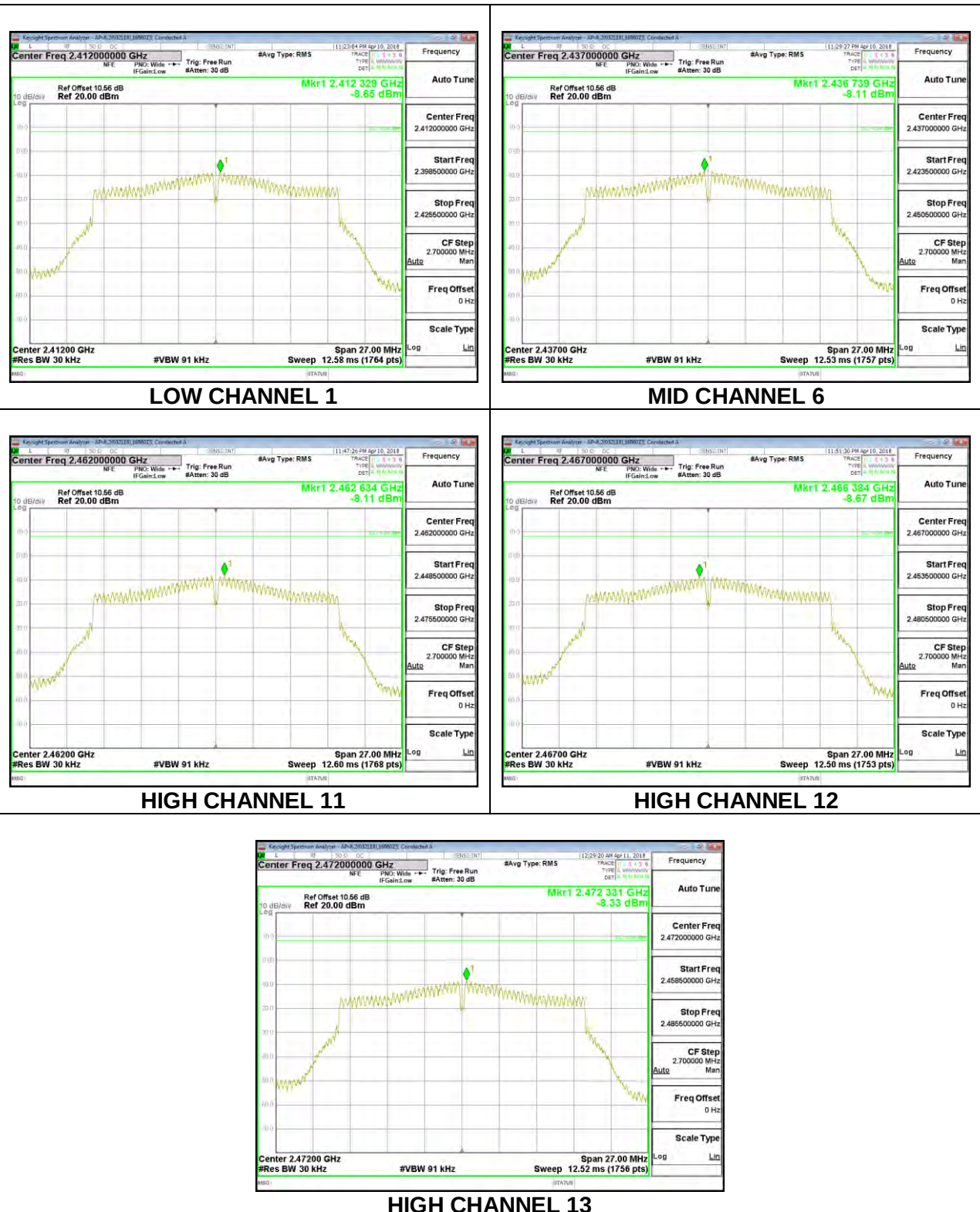


8.5.3. 802.11n HT20 MODE

Duty Cycle CF (dB)	0.31	Included in Calculations of Corr'd PSD
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PSD Results

Channel	Frequency (MHz)	Meas (dBm/ 30kHz)	Total Corr'd PSD (dBm/ 30kHz)	Limit (dBm/ 3kHz)	Margin (dB)
Low 1	2412	-8.65	-8.34	8.0	-16.3
Mid 6	2437	-8.11	-7.80	8.0	-15.8
High 11	2462	-8.11	-7.80	8.0	-15.8
High 12	2467	-8.66	-8.35	8.0	-16.4
High 13	2472	-8.33	-8.02	8.0	-16.0

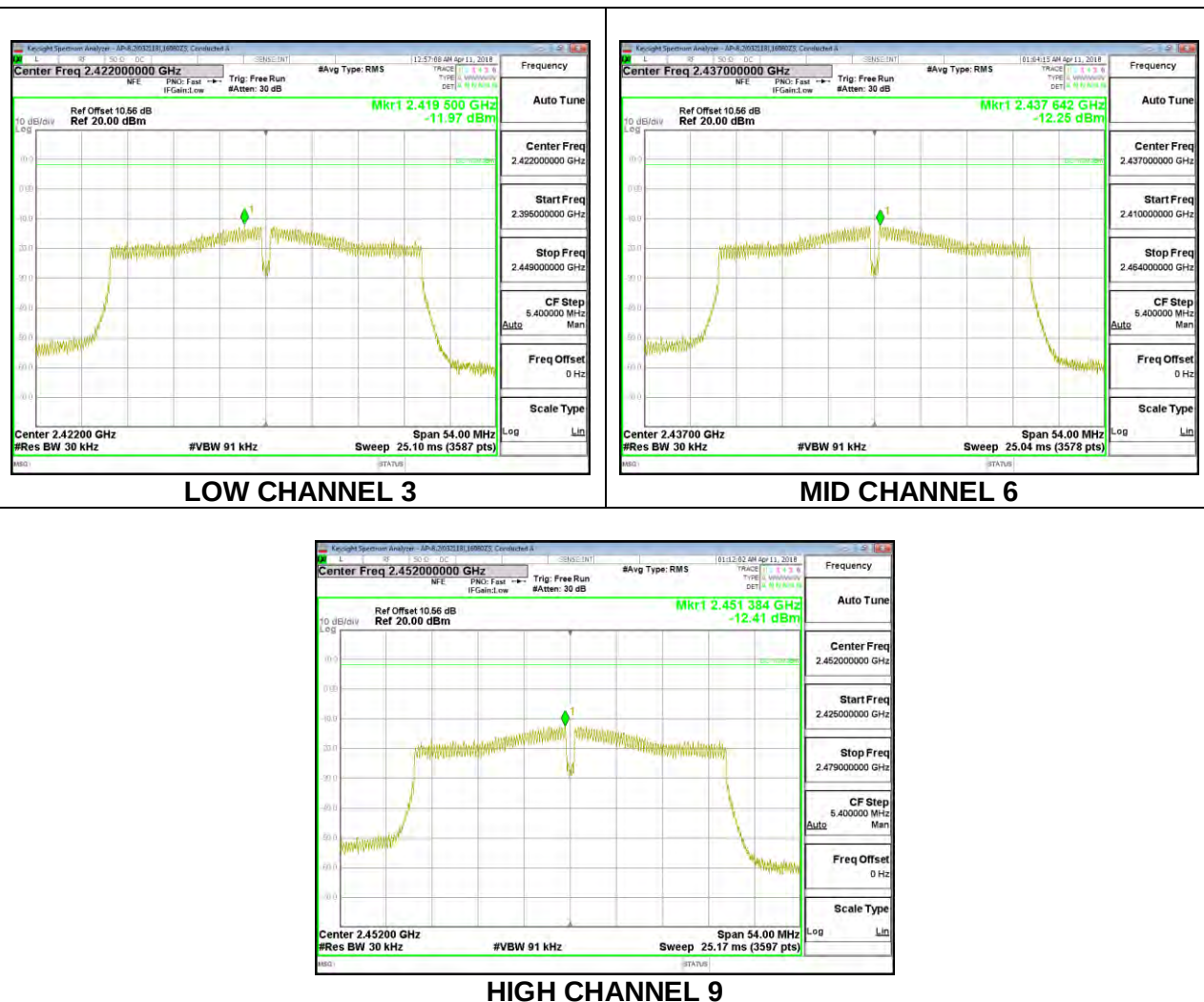


8.5.4. 802.11n HT40 MODE

Duty Cycle CF (dB)	0.62	Included in Calculations of Corr'd PSD
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PSD Results

Channel	Frequency (MHz)	Meas (dBm/ 30kHz)	Total Corr'd PSD (dBm/ 30kHz)	Limit (dBm/ 3kHz)	Margin (dB)
Low 3	2422	-11.97	-11.35	8.0	-19.4
Mid 6	2437	-12.24	-11.62	8.0	-19.6
High 9	2452	-12.41	-11.79	8.0	-19.8



8.6. CONDUCTED SPURIOUS EMISSIONS

LIMITS

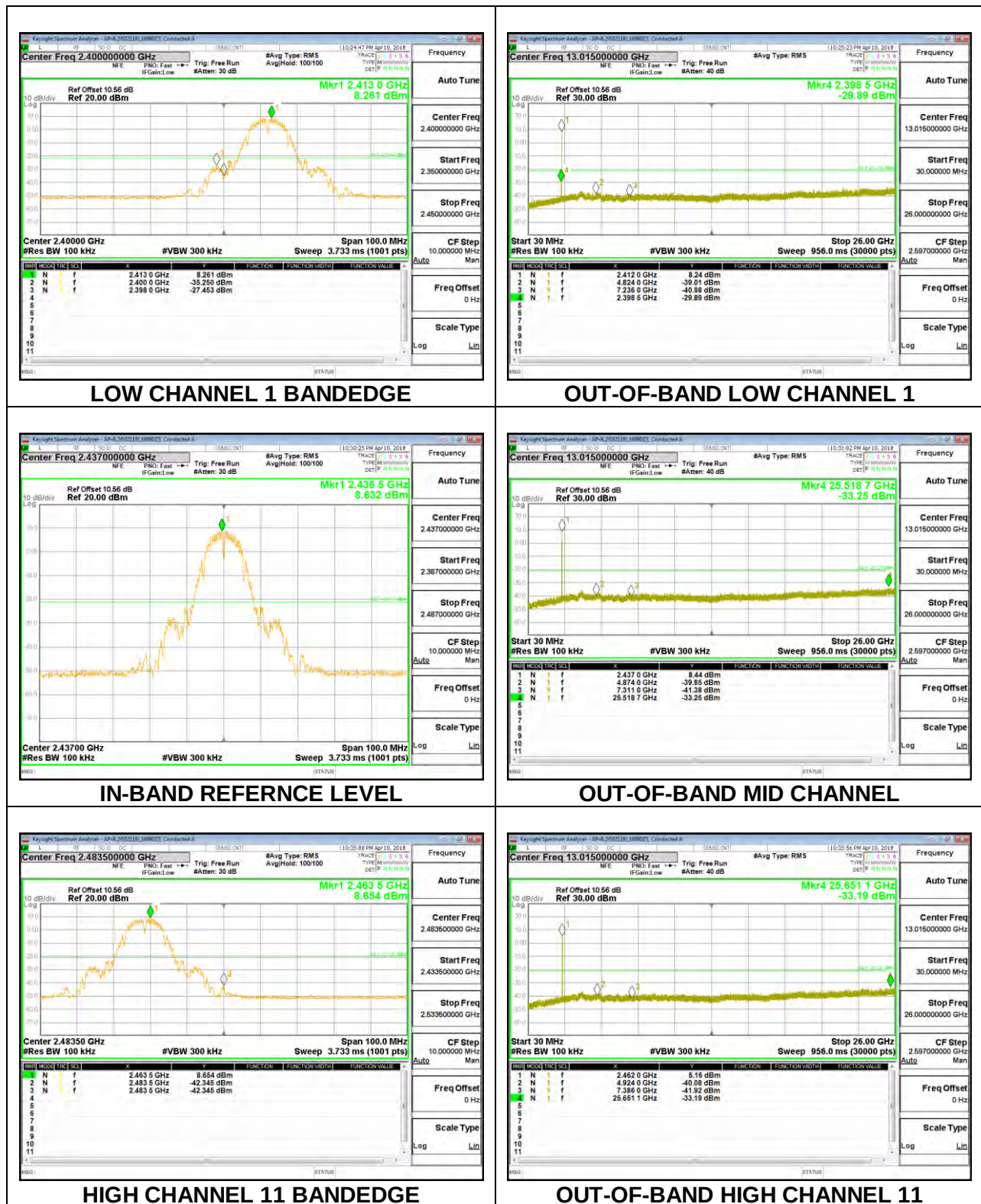
FCC §15.247 (d)

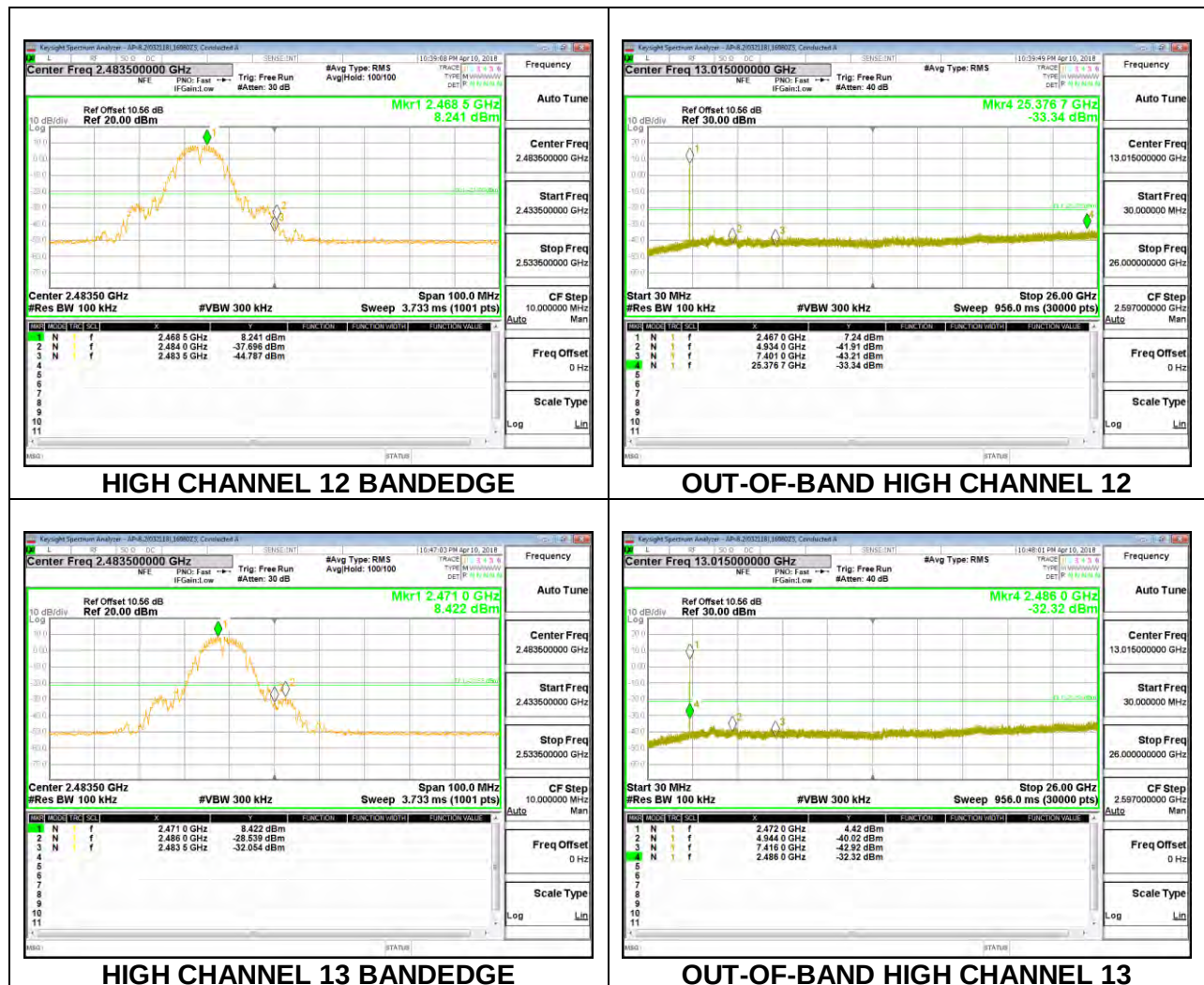
RSS-247 5.5

Output power was measured based on the use of peak measurement, therefore the required attenuation is 30 dB.

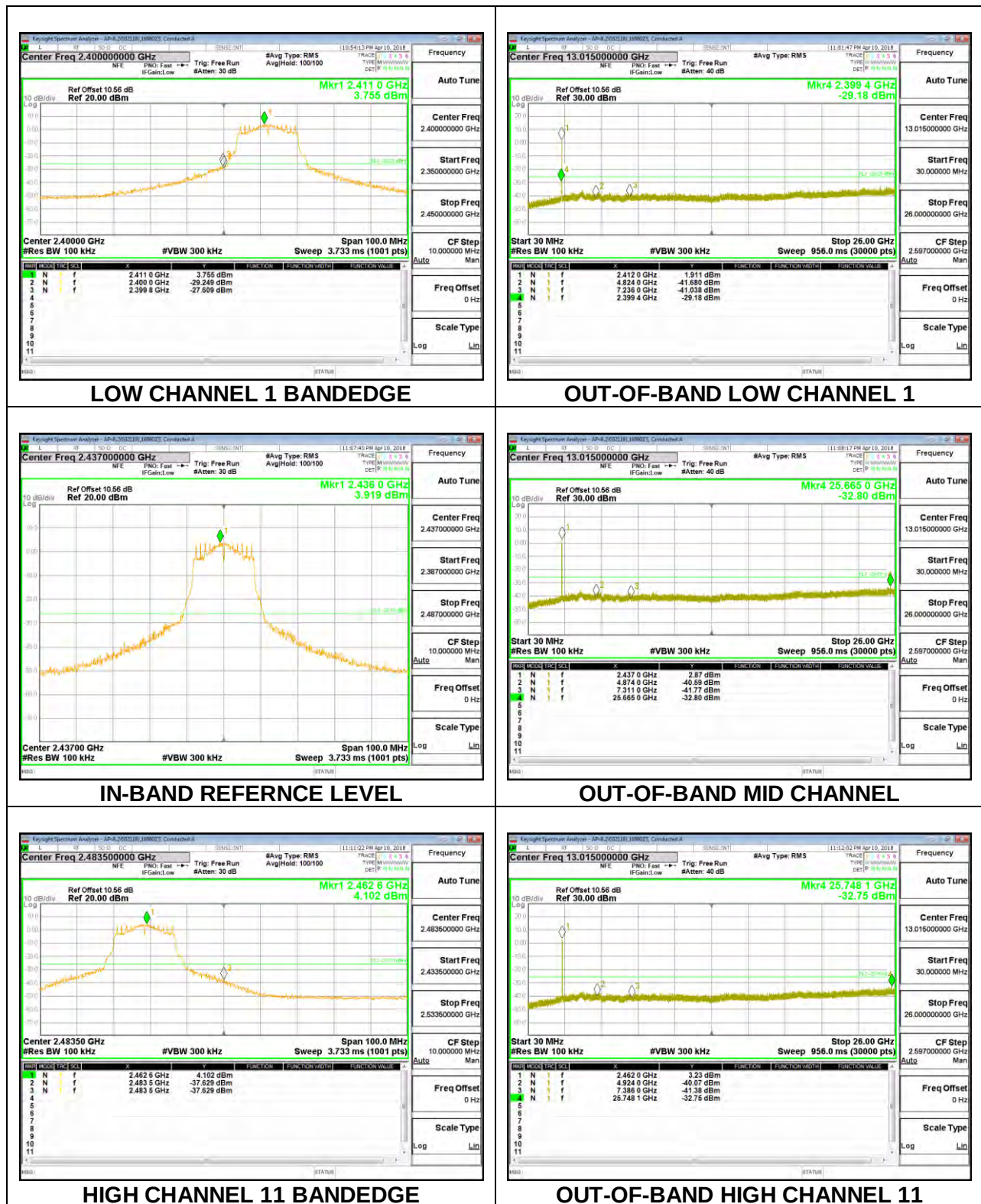
RESULTS

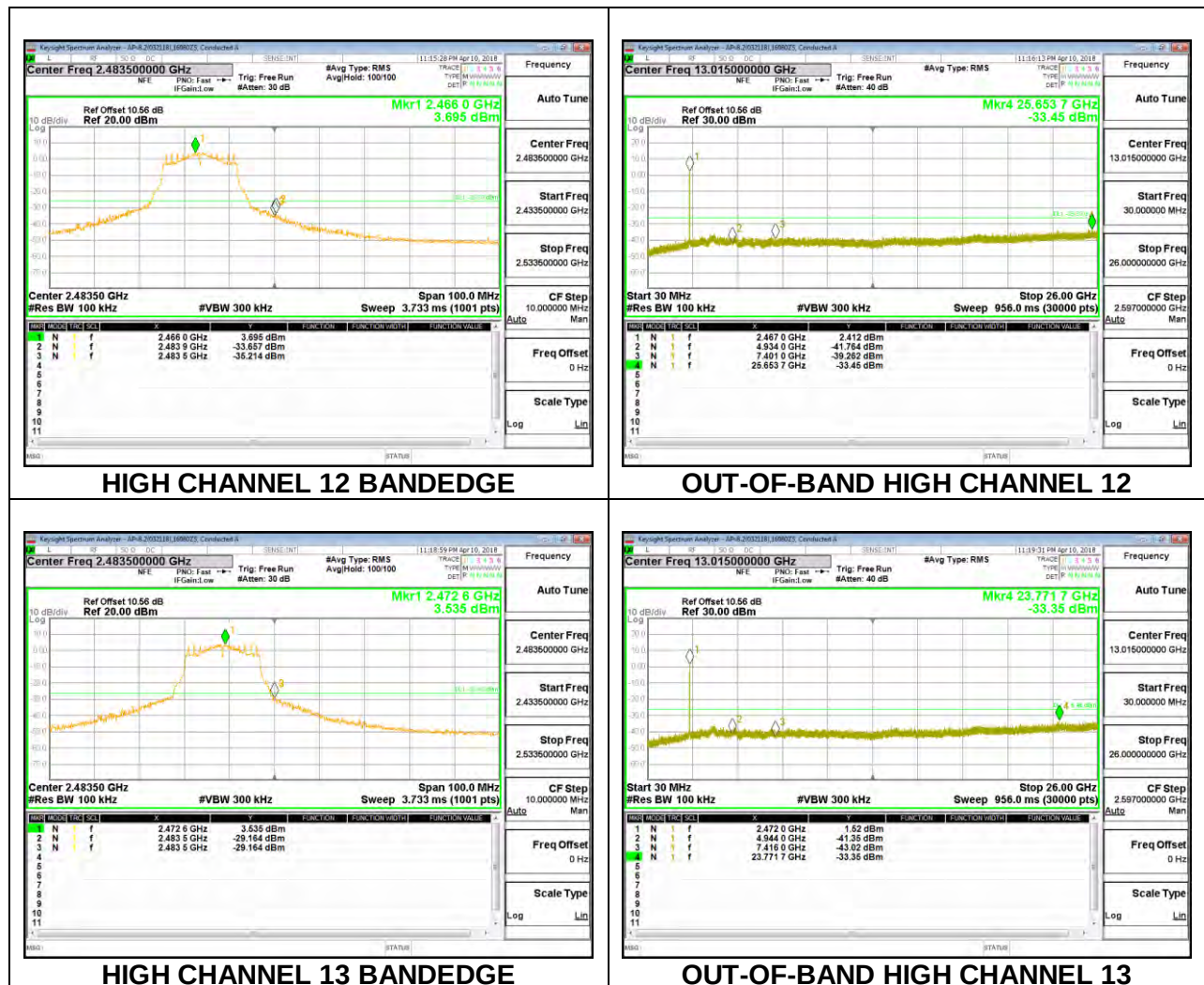
8.6.1. 802.11b MODE



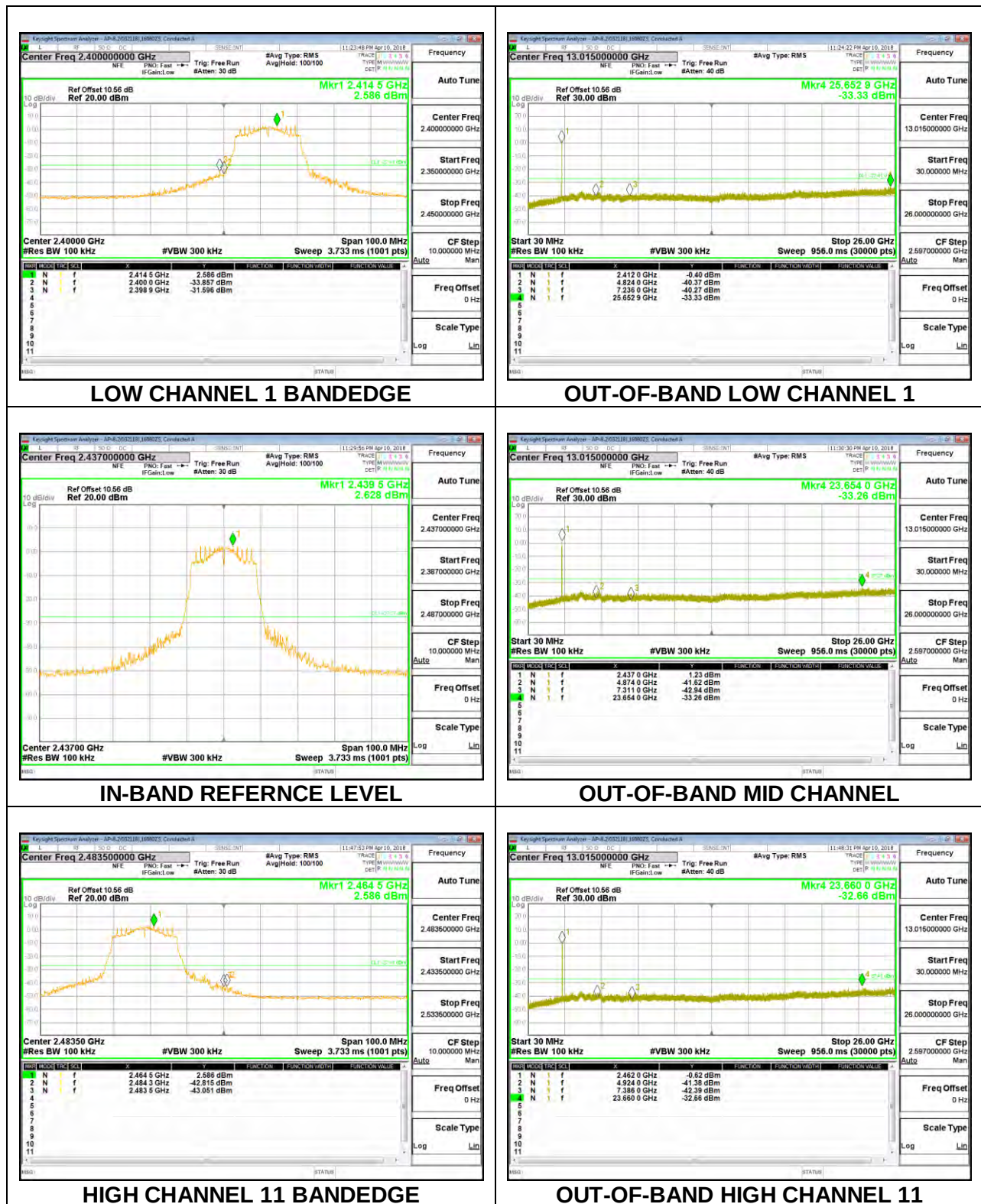


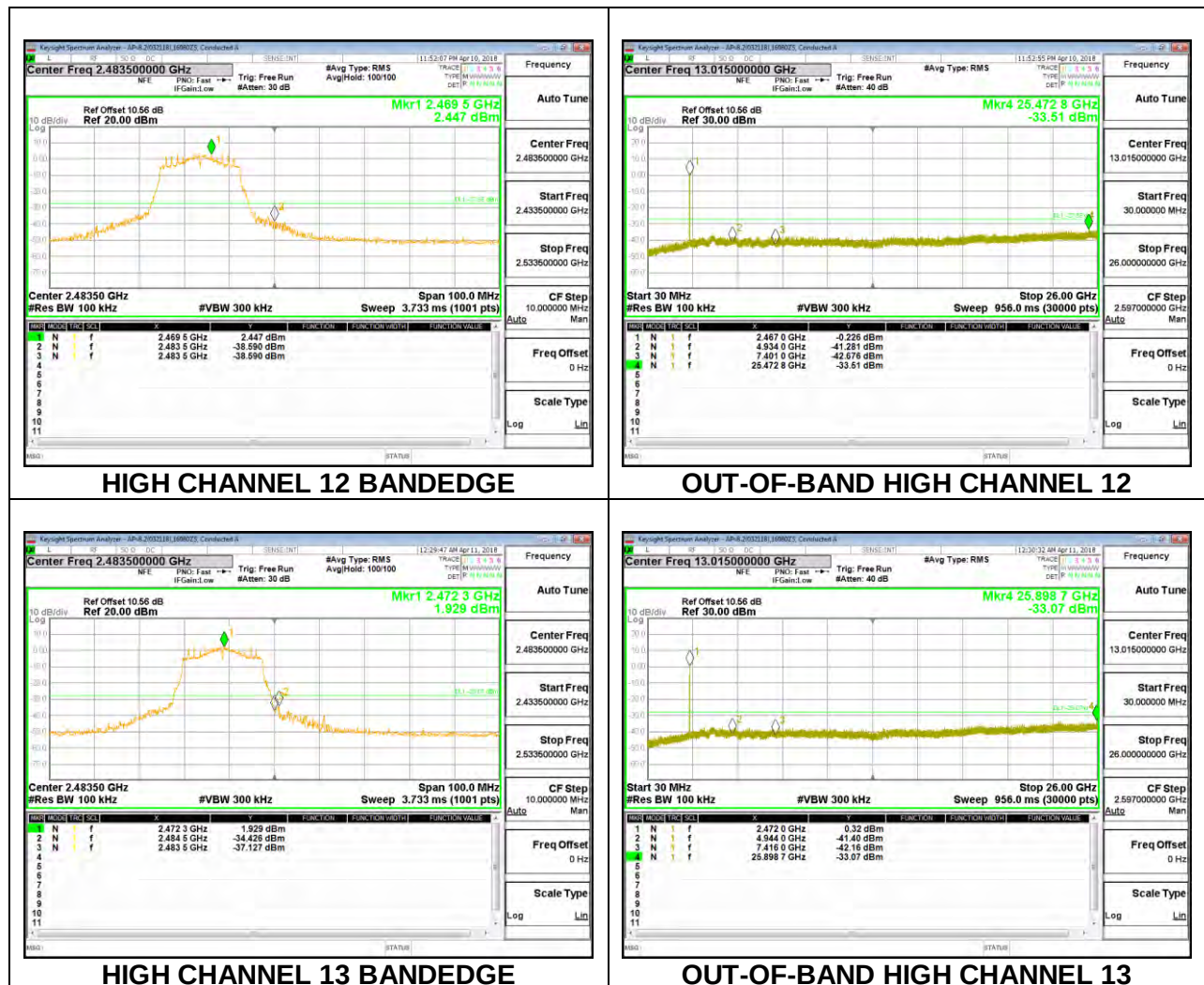
8.6.2. 802.11g MODE



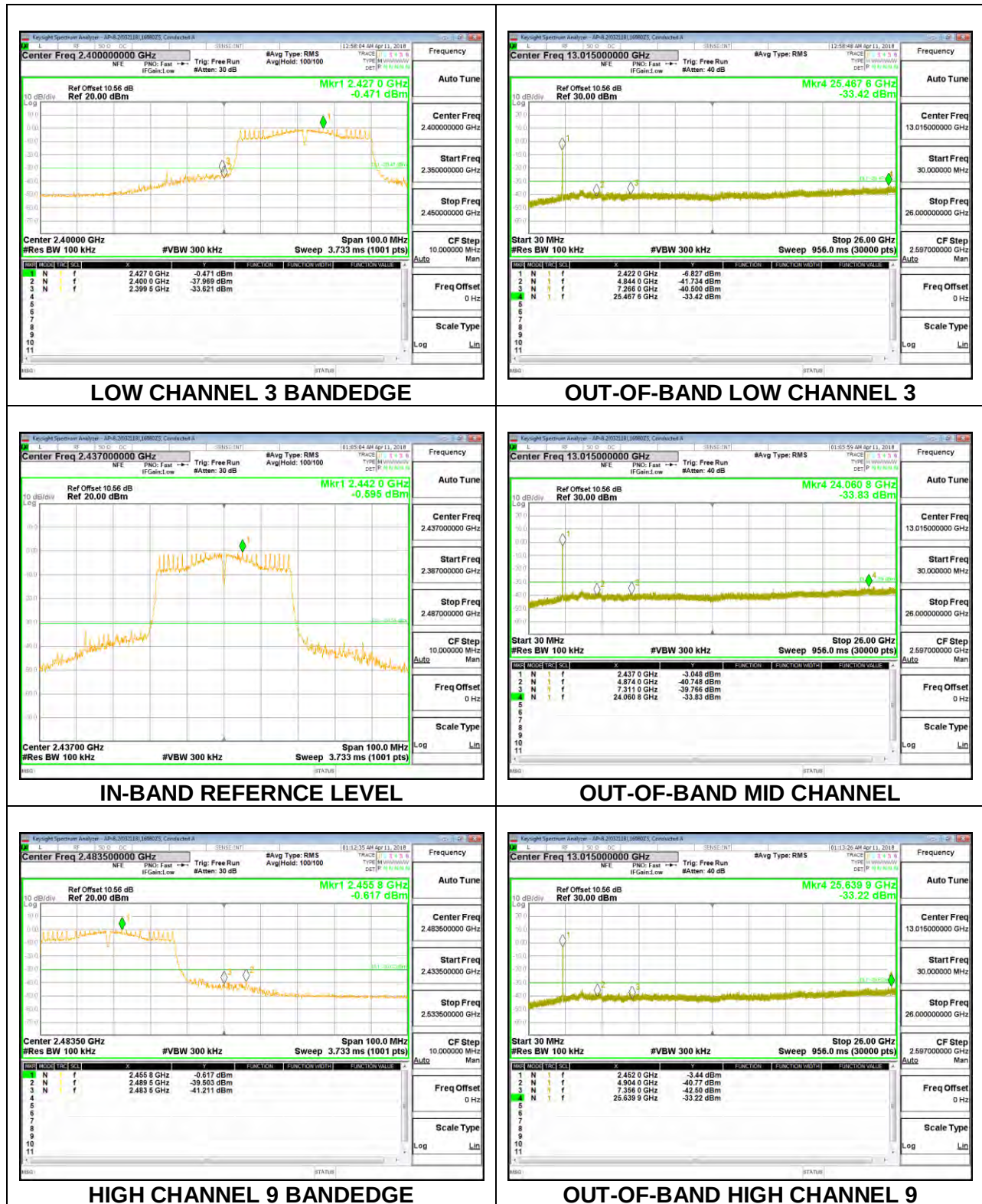


8.6.3. 802.11n HT20 MODE





8.6.4. 802.11n HT40 MODE



9. RADIATED TEST RESULTS

LIMITS

FCC §15.205 and §15.209

RSS-GEN, Section 8.9 and 8.10

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
0.009-0.490	2400/F(kHz) @ 300 m	-
0.490-1.705	24000/F(kHz) @ 30 m	-
1.705 - 30	30 @ 30m	-
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For pre-scans above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 30 KHz for peak measurements.

For final measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and as applicable for average measurements.

The spectrum from 1 GHz to 18 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band. Below 1GHz and above 18GHz emissions, the channel with the highest output power was tested.

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

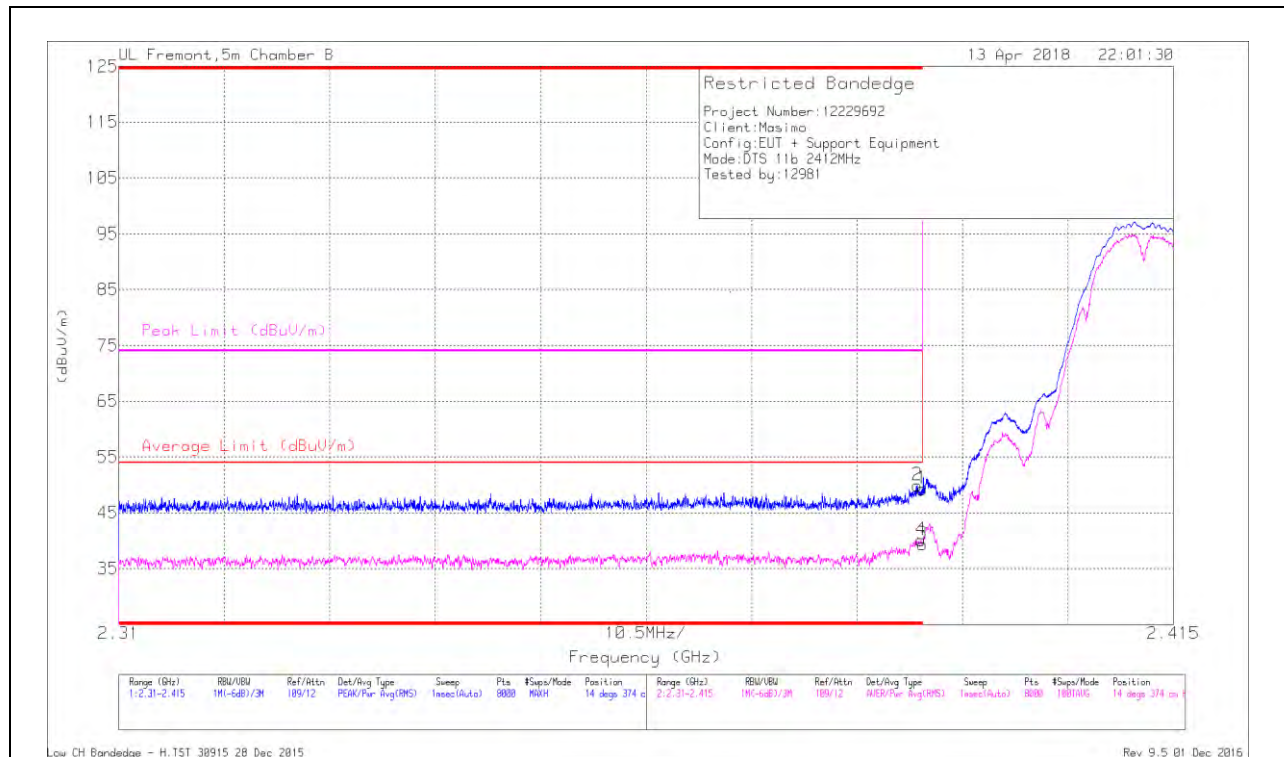
2D antenna use - For below 30MHz testing, investigation was done on three antenna orientations (parallel, perpendicular, and ground-parallel), parallel and perpendicular are the worst orientations, therefore testing was performed on these two orientations only.

9.1. TRANSMITTER ABOVE 1 GHz

9.1.1. TX ABOVE 1 GHz 802.11b MODE IN THE 2.4 GHz BAND

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



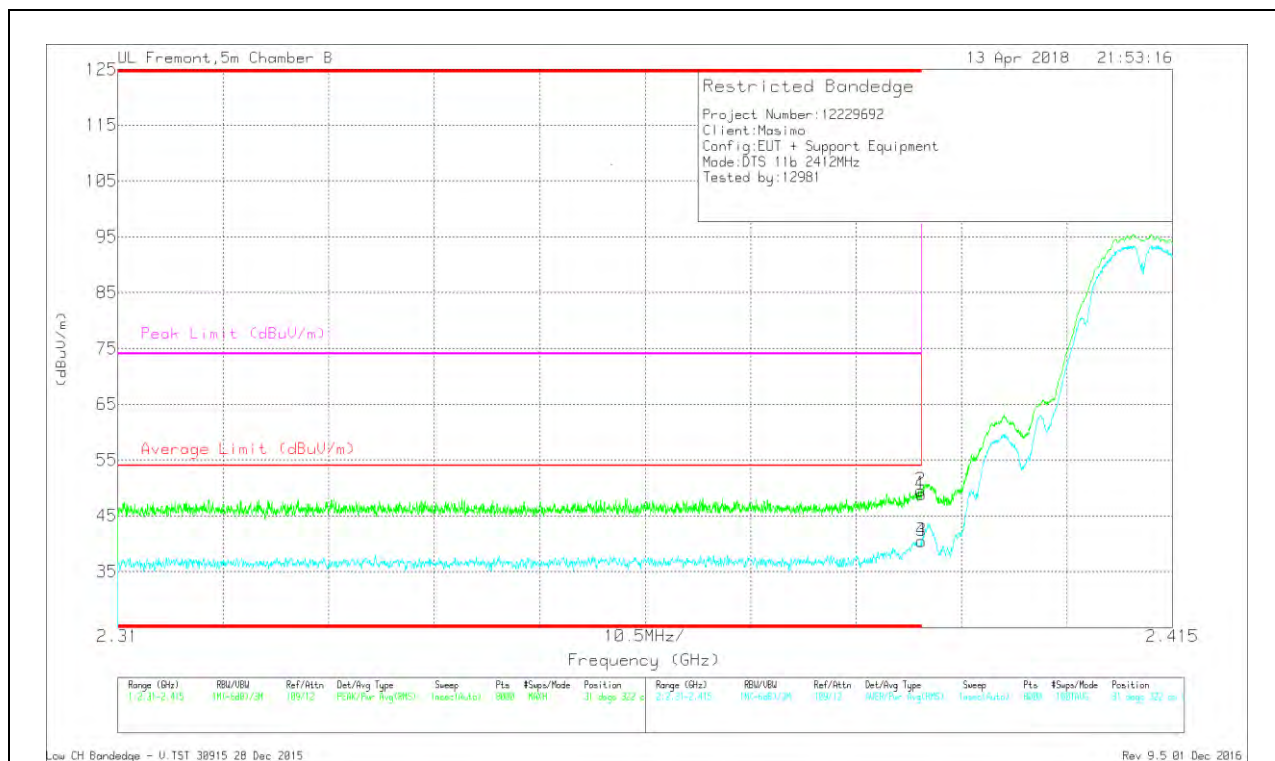
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/CbI/Ftr/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	38.74	Pk	32	-21.5	49.24	-	-	74	-24.76	14	374	H
2	* 2.389	39.42	Pk	32	-21.5	49.92	-	-	74	-24.08	14	374	H
3	* 2.39	28.81	RMS	32	-21.5	39.31	54	-14.69	-	-	14	374	H
4	* 2.39	29.57	RMS	32	-21.5	40.07	54	-13.93	-	-	14	374	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 T863 (dBm)	Amp/Chl/Filt/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	38.4	Pk	32	-21.5	48.9	-	-	74	-25.1	31	322	V
2	* 2.39	39.05	Pk	32	-21.5	49.55	-	-	74	-24.45	31	322	V
3	* 2.39	29.64	RMS	32	-21.5	40.14	54	-13.86	-	-	31	322	V
4	* 2.39	29.65	RMS	32	-21.5	40.15	54	-13.85	-	-	31	322	V

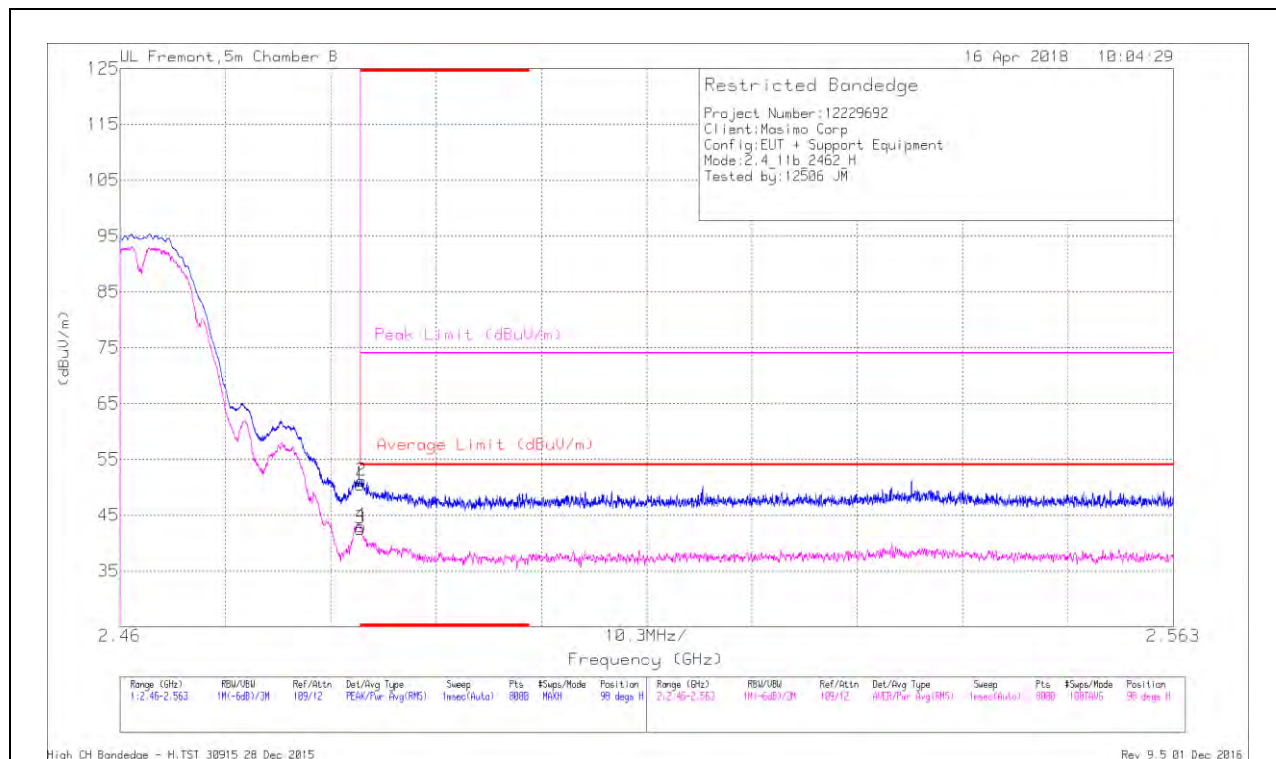
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



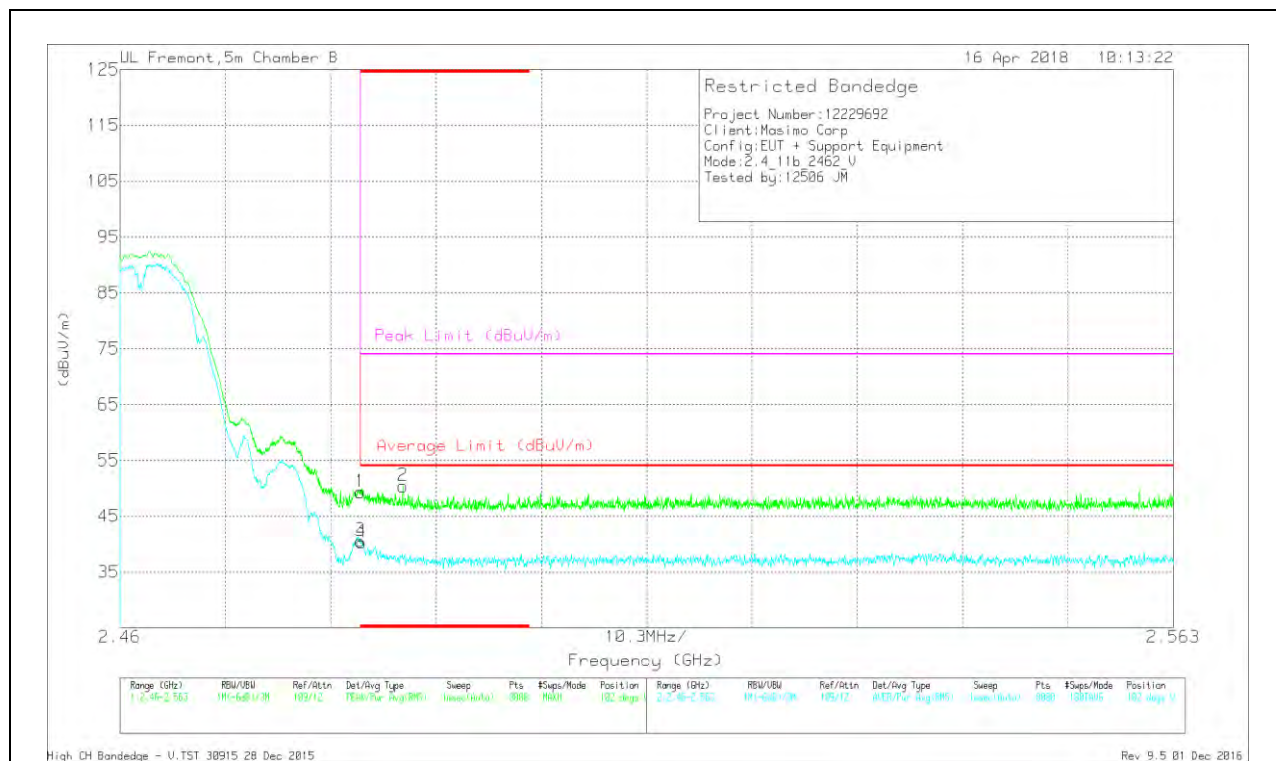
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fil/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	39.48	Pk	32.5	-21.5	50.48	-	-	74	-23.52	98	193	H
2	* 2.484	40.18	Pk	32.5	-21.5	51.18	-	-	74	-22.82	98	193	H
3	* 2.484	31.57	RMS	32.5	-21.5	42.57	54	-11.43	-	-	98	193	H
4	* 2.484	32.04	RMS	32.5	-21.5	43.04	54	-10.96	-	-	98	193	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 T863 (dB/m)	Amp/Cbl/Ftr/P ad (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	38.31	Pk	32.5	-21.5	49.31	-	-	74	-24.69	102	369	V
2	* 2.488	39.4	Pk	32.5	-21.5	50.4	-	-	74	-23.6	102	369	V
3	* 2.484	29.6	RMS	32.5	-21.5	40.6	54	-13.4	-	-	102	369	V
4	* 2.484	29.36	RMS	32.5	-21.5	40.36	54	-13.64	-	-	102	369	V

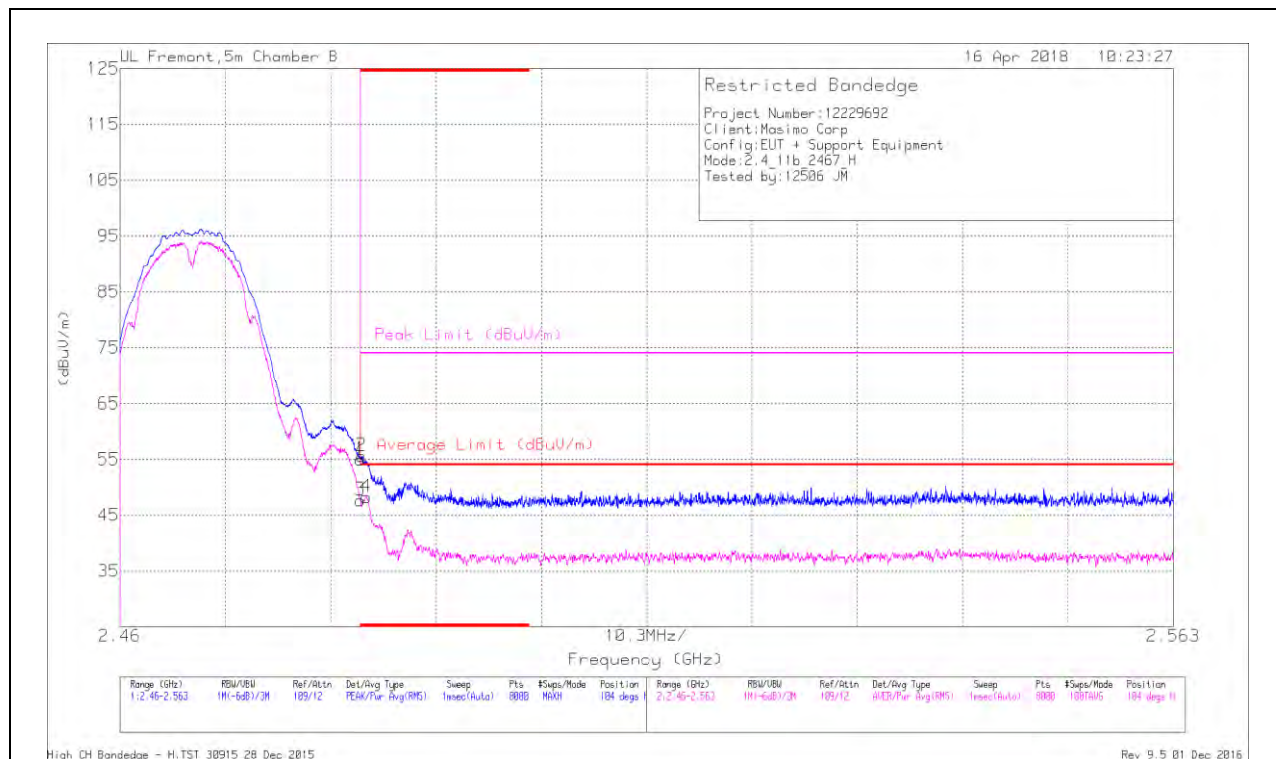
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 12)

HORIZONTAL RESULT



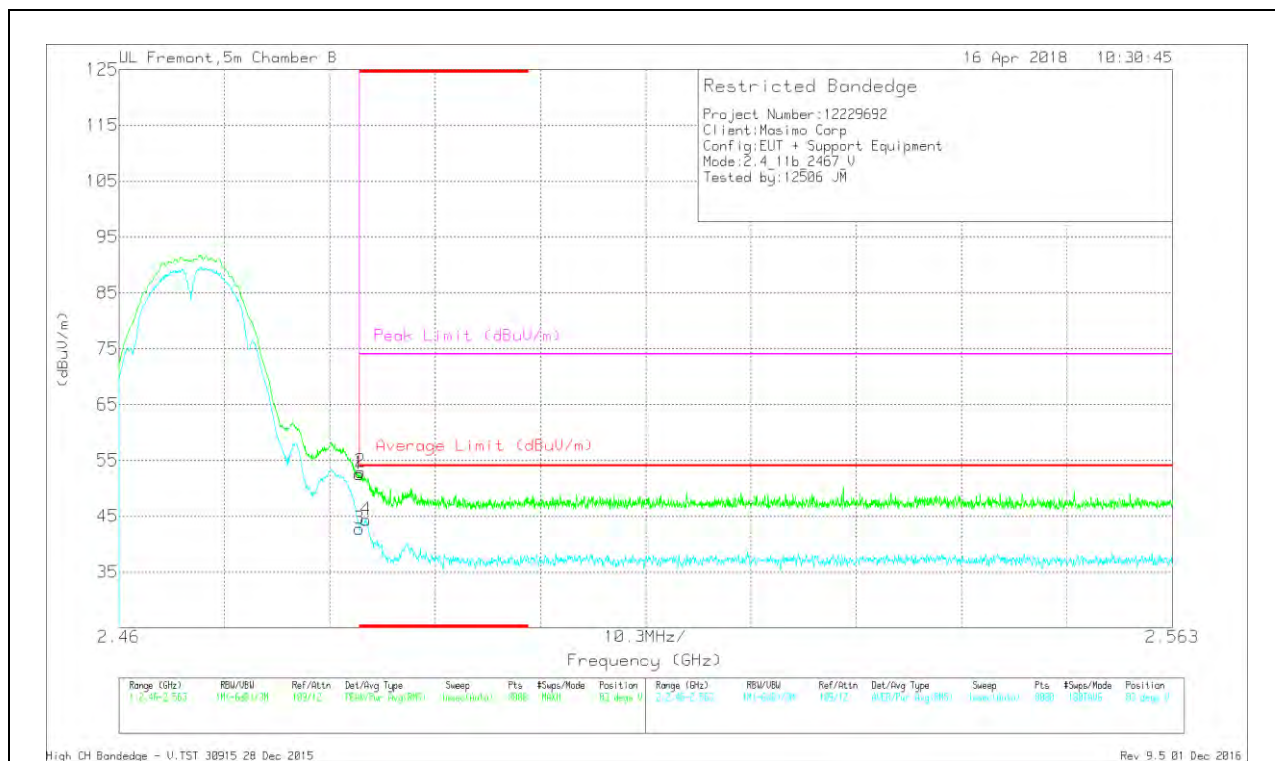
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/CbW/Fir/P ad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	43.99	Pk	32.5	-21.5	54.99	-	-	74	-19.01	104	100	H
2	* 2.484	44.61	Pk	32.5	-21.5	55.61	-	-	74	-18.39	104	100	H
3	* 2.484	36.68	RMS	32.5	-21.5	47.68	54	-6.32	-	-	104	100	H
4	* 2.484	37.25	RMS	32.5	-21.5	48.25	54	-5.75	-	-	104	100	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 T863 (dB/m)	Amp/Cbl/Filt/P ad (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	41.57	Pk	32.5	-21.5	52.57	-	-	74	-21.43	83	168	V
2	* 2.484	41.91	Pk	32.5	-21.5	52.91	-	-	74	-21.09	83	168	V
3	* 2.484	31.75	RMS	32.5	-21.5	42.75	54	-11.25	-	-	83	168	V
4	* 2.484	33.33	RMS	32.5	-21.5	44.33	54	-9.67	-	-	83	168	V

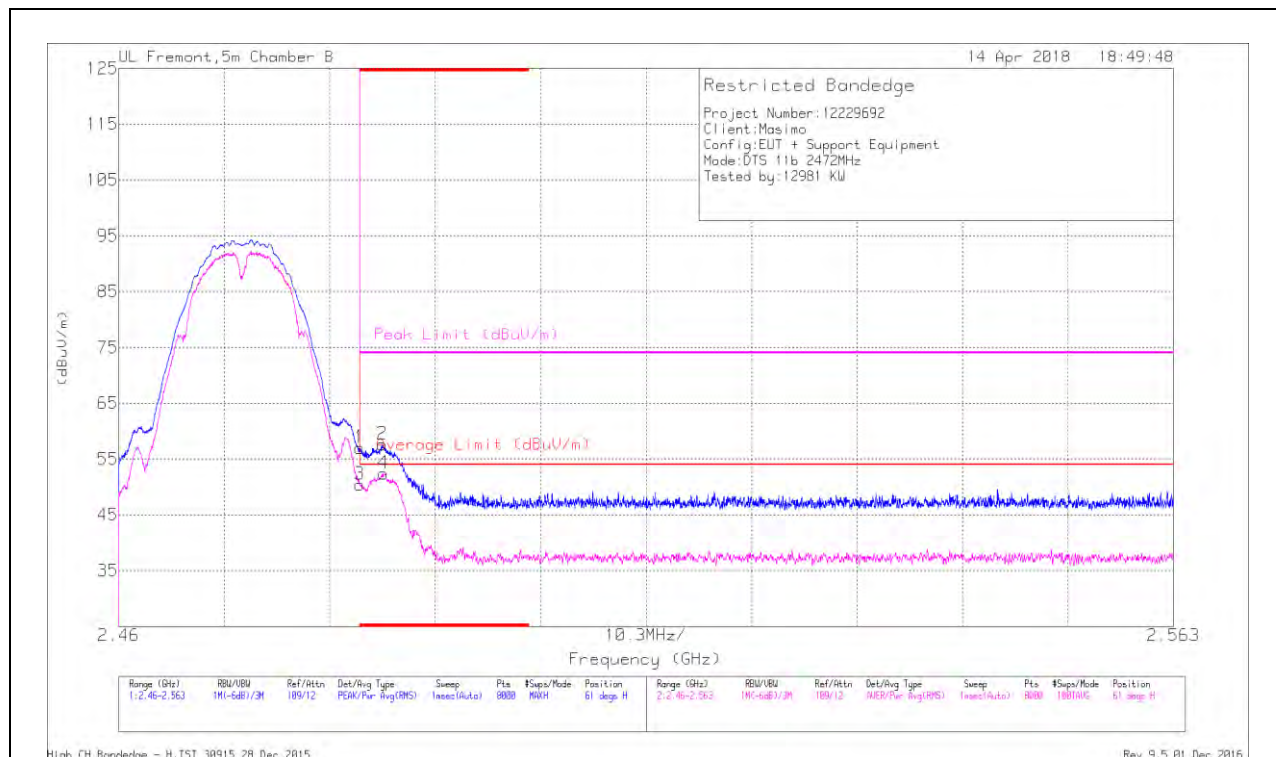
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 13)

HORIZONTAL RESULT



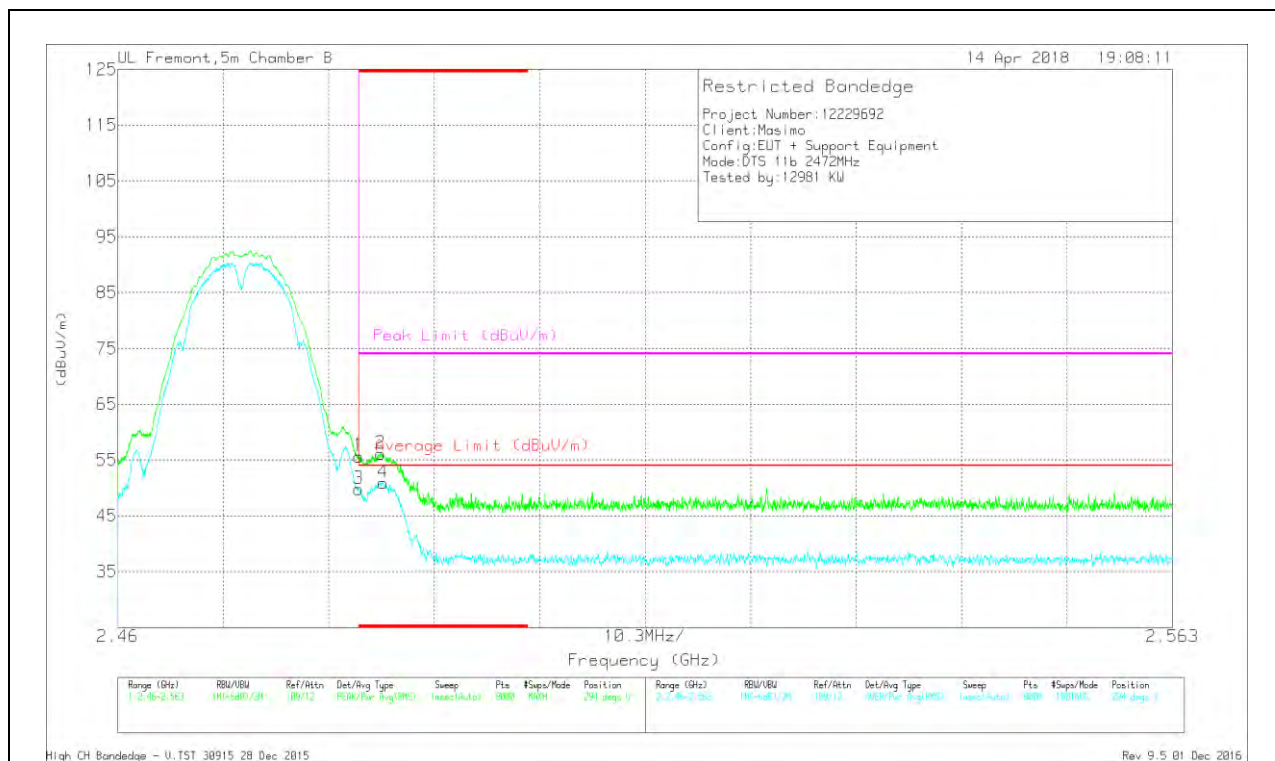
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filt/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	46	Pk	32.5	-21.5	57	-	-	74	-17	61	151	H
3	* 2.484	39.45	RMS	32.5	-21.5	50.45	54	-3.55	-	-	61	151	H
2	* 2.486	46.6	Pk	32.5	-21.5	57.6	-	-	74	-16.4	61	151	H
4	* 2.486	41.41	RMS	32.5	-21.5	52.41	54	-1.59	-	-	61	151	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 T863 (dB/m)	Amp/Cbl/Ftr/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	44.69	Pk	32.5	-21.5	55.69	-	-	74	-18.31	294	156	V
3	* 2.484	38.77	RMS	32.5	-21.5	49.77	54	-4.23	-	-	294	156	V
2	* 2.486	45.08	Pk	32.5	-21.5	56.08	-	-	74	-17.92	294	156	V
4	* 2.486	39.96	RMS	32.5	-21.5	50.96	54	-3.04	-	-	294	156	V

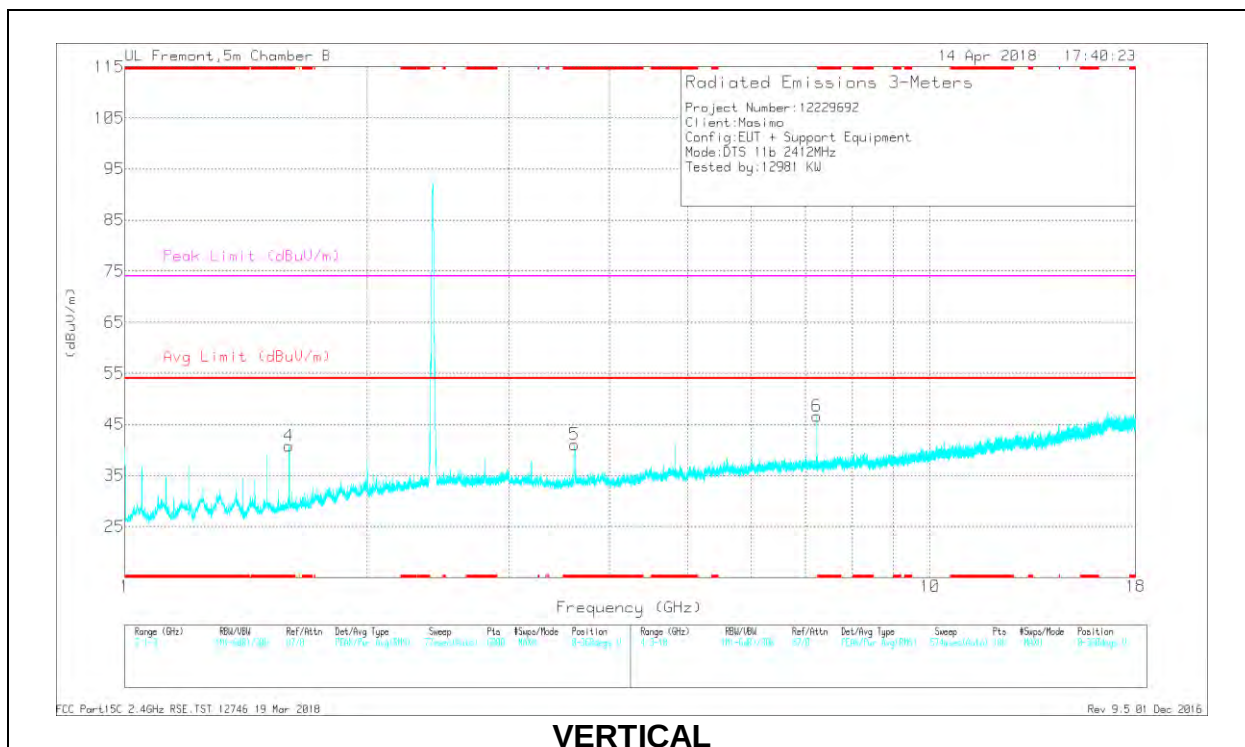
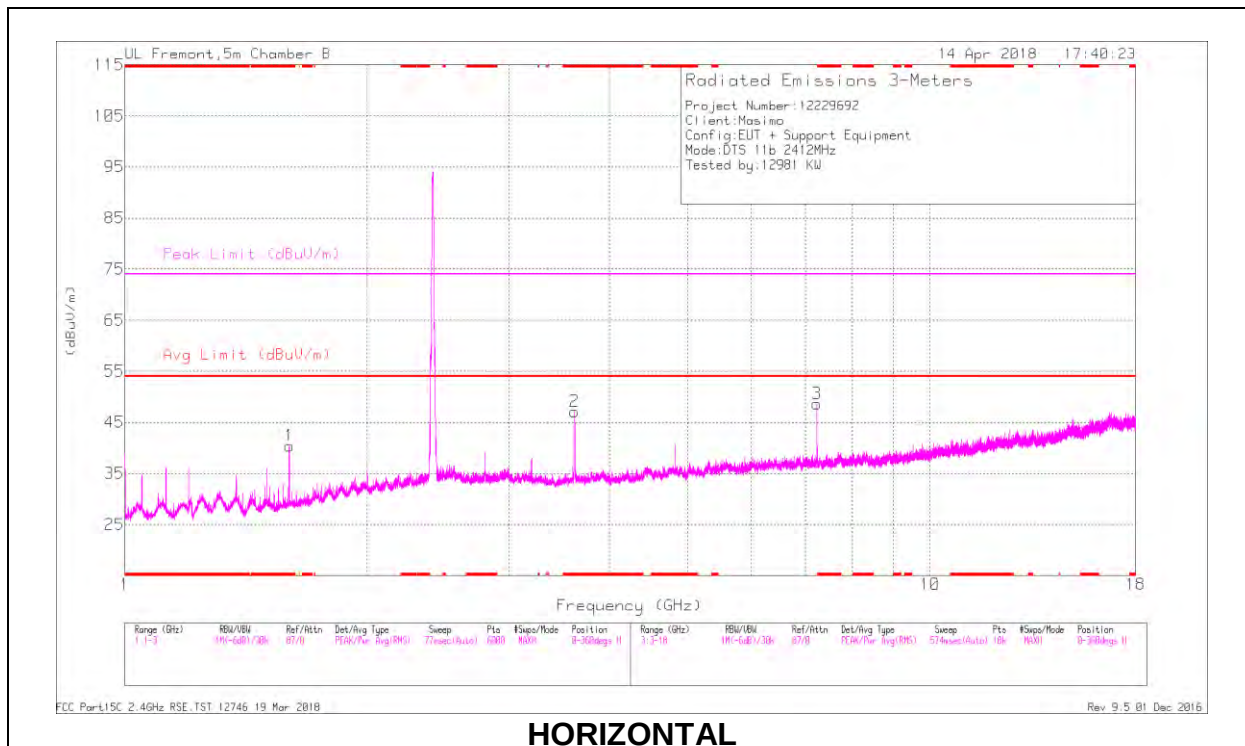
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS



RADIATED EMISSIONS

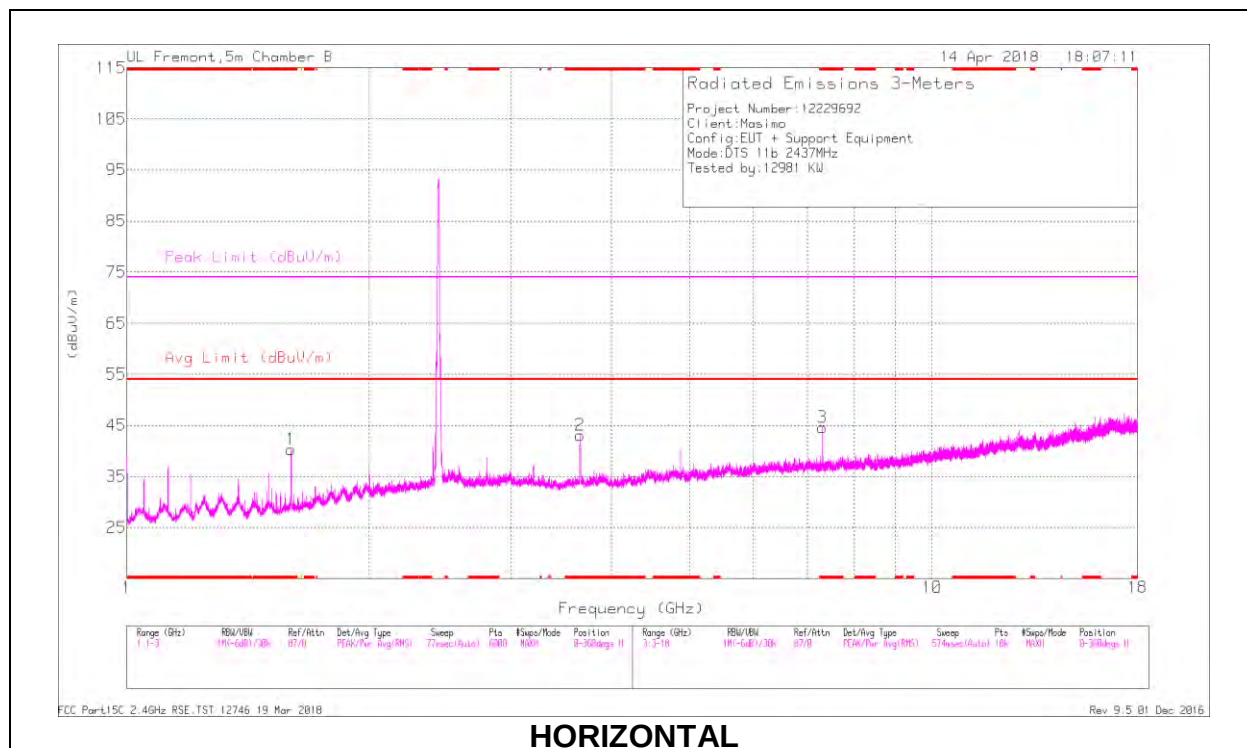
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.6	34.53	PK2	28.3	-21.9	40.93	-	-	74	-33.07	345	167	H
* 1.6	24.83	MAv1	28.3	-21.9	31.23	54	-22.77	-	-	345	167	H
* 1.6	36.04	PK2	28.3	-21.9	42.44	-	-	74	-31.56	314	184	V
* 1.6	24.98	MAv1	28.3	-21.9	31.38	54	-22.62	-	-	314	184	V
* 3.619	48.56	PK2	33.2	-31.5	50.26	-	-	74	-23.74	205	183	H
* 3.617	43.91	MAv1	33.2	-31.6	45.51	54	-8.49	-	-	205	183	H
* 3.618	44.24	PK2	33.2	-31.5	45.94	-	-	74	-28.06	176	195	V
7.235	39.56	Pk	35.8	-28.7	46.66	-	-	-	-	0-360	200	V
7.237	41.6	Pk	35.8	-28.7	48.7	-	-	-	-	0-360	102	H

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

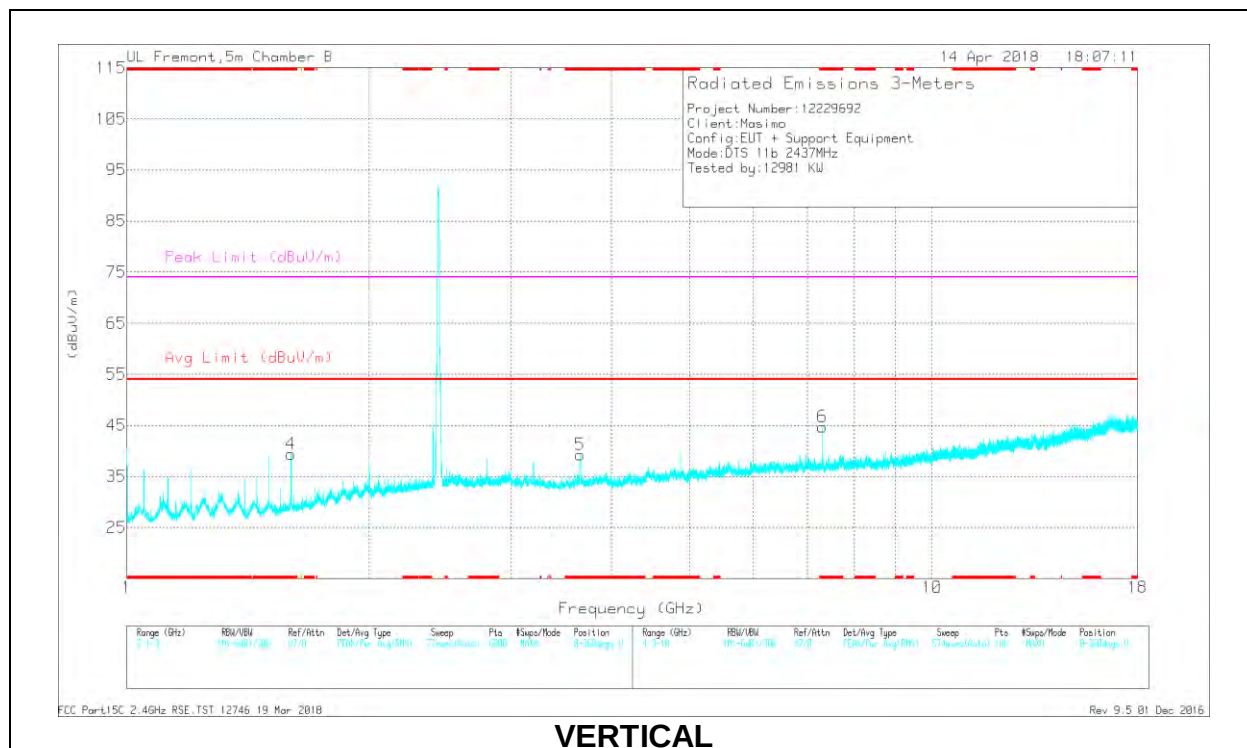
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL, CH 6 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

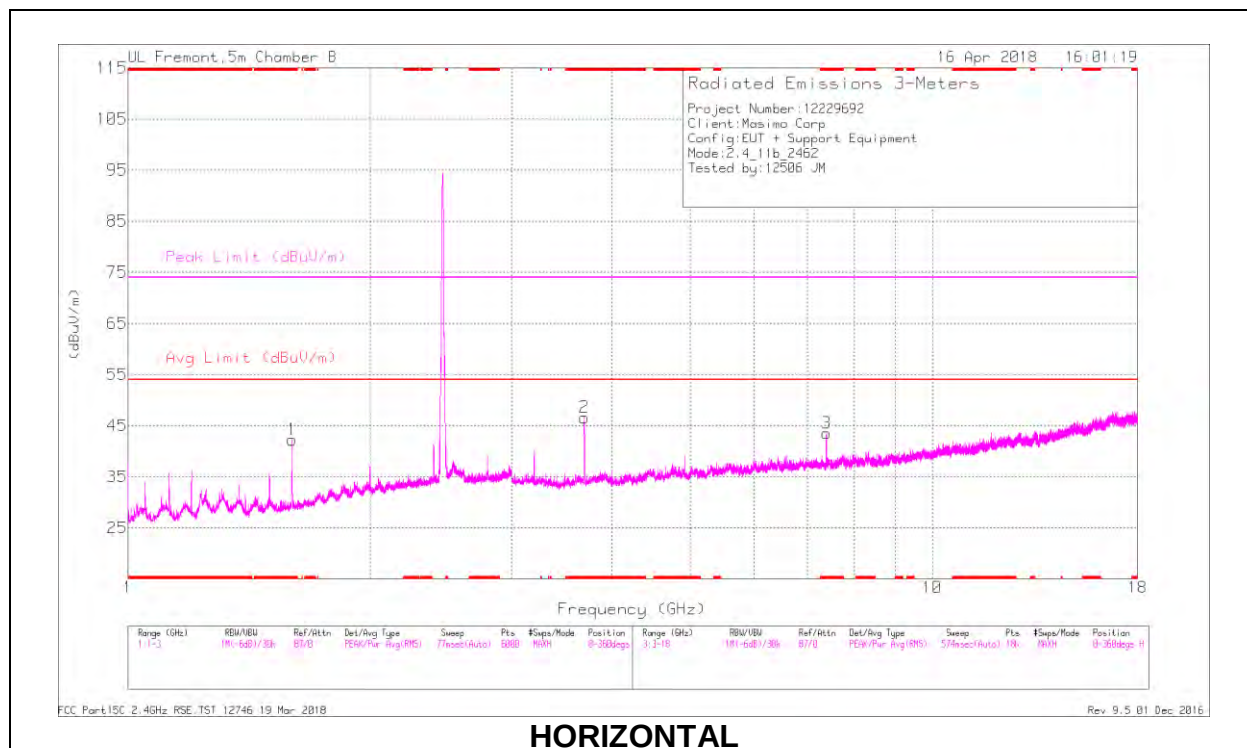
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.6	35.15	PK2	28.3	-21.9	41.55	-	-	74	-32.45	205	244	H
* 1.6	24.55	MAv1	28.3	-21.9	30.95	54	-23.05	-	-	205	244	H
* 1.6	35.93	PK2	28.3	-21.9	42.33	-	-	74	-31.67	349	186	V
* 1.6	26.01	MAv1	28.3	-21.9	32.41	54	-21.59	-	-	349	186	V
* 7.311	39.32	PK2	35.9	-29	46.22	-	-	74	-27.78	352	214	H
* 7.312	29.73	MAv1	35.9	-29	36.63	54	-17.37	-	-	352	214	H
* 3.654	47.17	PK2	33.2	-31.2	49.17	-	-	74	-24.83	140	301	H
* 3.655	41.84	MAv1	33.2	-31.2	43.84	54	-10.16	-	-	140	301	H
* 7.312	39.44	PK2	35.9	-29	46.34	-	-	74	-27.66	311	192	V
* 7.31	29.69	MAv1	35.9	-29	36.59	54	-17.41	-	-	311	192	V
* 3.658	44.73	PK2	33.2	-31.2	46.73	-	-	74	-27.27	208	253	V
* 3.656	38.6	MAv1	33.2	-31.2	40.6	54	-13.4	-	-	208	253	V

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

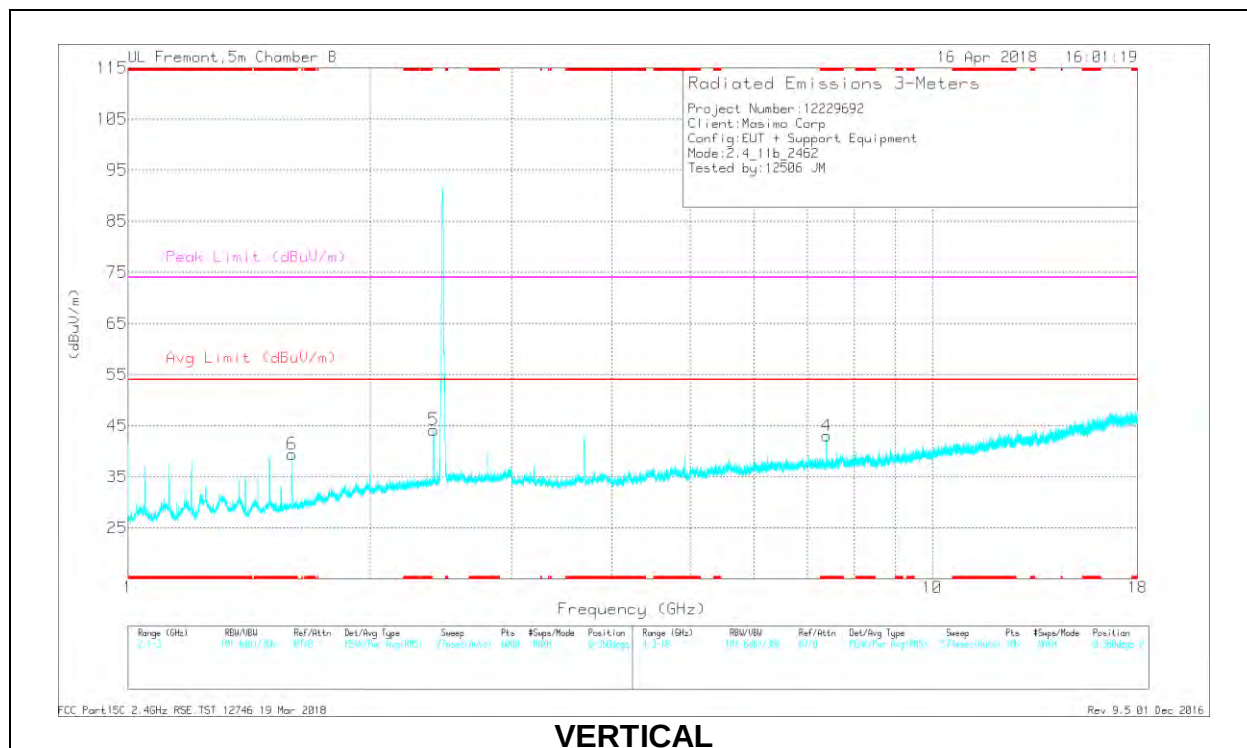
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL, CH 11 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Fitr/ Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 1.6	40.4	PK2	28.3	-21.9	46.8	-	-	74	-27.2	139	102	H
* 1.6	26.84	MAv1	28.3	-21.9	33.24	54	-20.76	-	-	139	102	H
* 1.6	42.61	PK2	28.3	-21.9	49.01	-	-	74	-24.99	261	360	V
* 1.6	31.48	MAv1	28.3	-21.9	37.88	54	-16.12	-	-	261	360	V
* 3.692	48.95	PK2	33.2	-31.6	50.55	-	-	74	-23.45	136	206	H
* 3.692	44.41	MAv1	33.2	-31.6	46.01	54	-7.99	-	-	136	206	H
* 7.389	40.89	PK2	35.9	-28.2	48.59	-	-	74	-25.41	69	139	H
* 7.385	33.8	MAv1	35.9	-28.3	41.4	54	-12.6	-	-	69	139	H
* 7.385	40.4	PK2	35.9	-28.3	48	-	-	74	-26	8	104	V
* 7.385	32.44	MAv1	35.9	-28.3	40.04	54	-13.96	-	-	8	104	V
2.4	33.61	PK2	32	-21.6	44.01	-	-	-	-	8	199	V

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

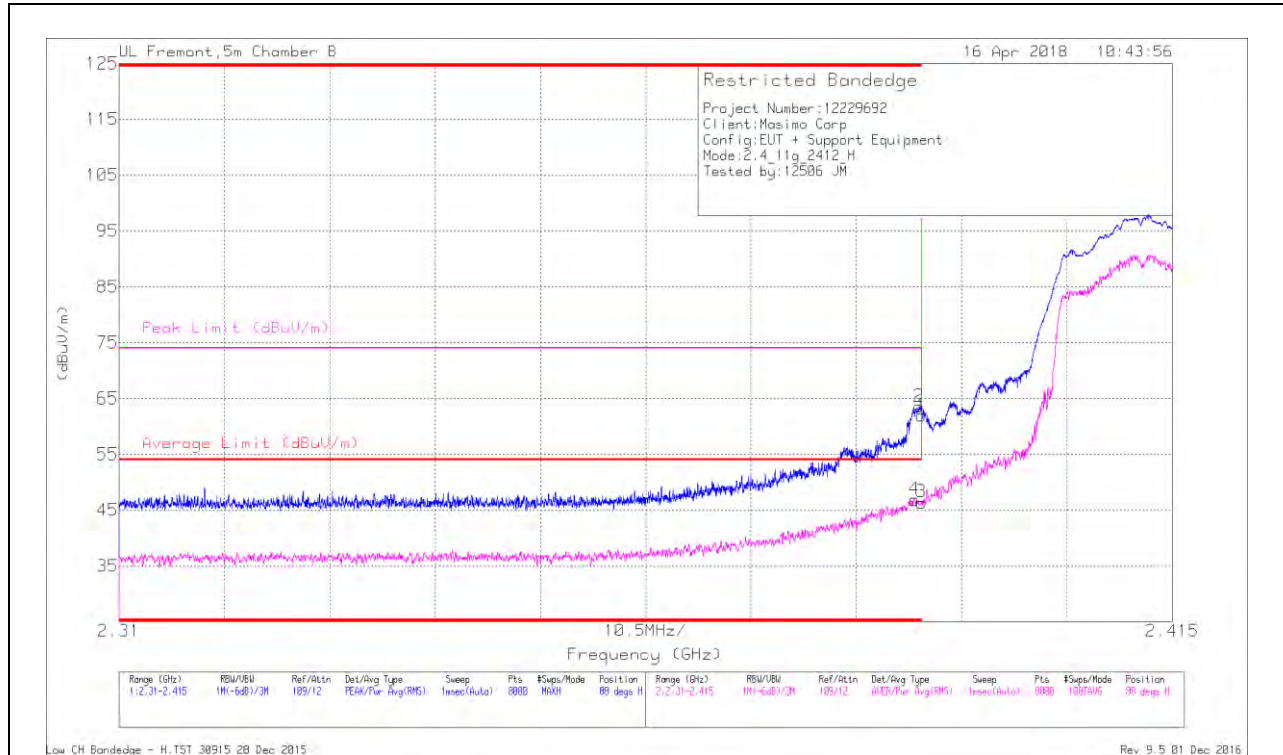
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

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

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



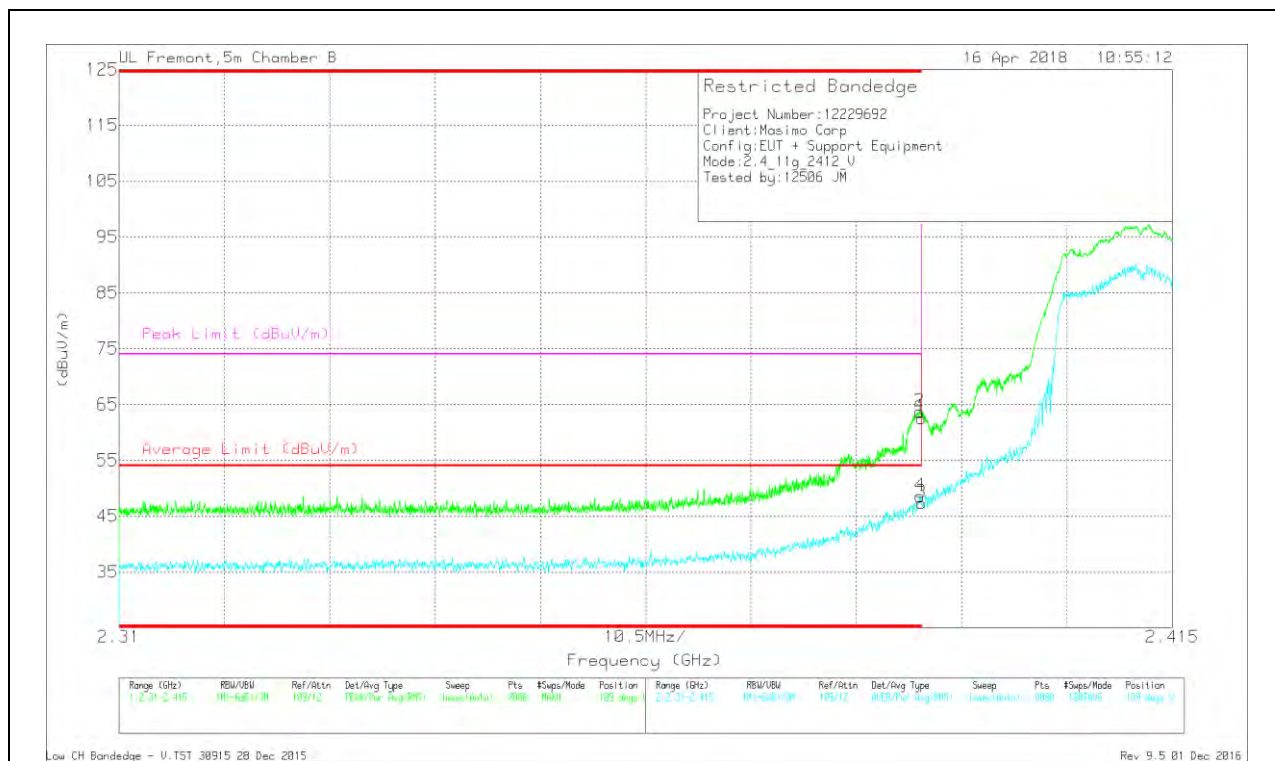
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Chl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.39	51.43	Pk	32	-21.5	0	61.93	-	-	74	-12.07	88	307	H
2	* 2.39	53	Pk	32	-21.5	0	63.5	-	-	74	-10.5	88	307	H
3	* 2.39	35.86	RMS	32	-21.5	.29	46.65	54	-7.35	-	-	88	307	H
4	* 2.389	36.37	RMS	32	-21.5	.29	47.16	54	-6.84	-	-	88	307	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 T863 (dBm)	Amp/Cbll/Ftr/P ad (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	52.08	Pk	32	-21.5	0	62.58	-	-	74	-11.42	109	335	V
2	* 2.39	53.23	Pk	32	-21.5	0	63.73	-	-	74	-10.27	109	335	V
3	* 2.39	36.91	RMS	32	-21.5	.29	47.70	54	-6.30	-	-	109	335	V
4	* 2.39	38.08	RMS	32	-21.5	.29	48.87	54	-5.13	-	-	109	335	V

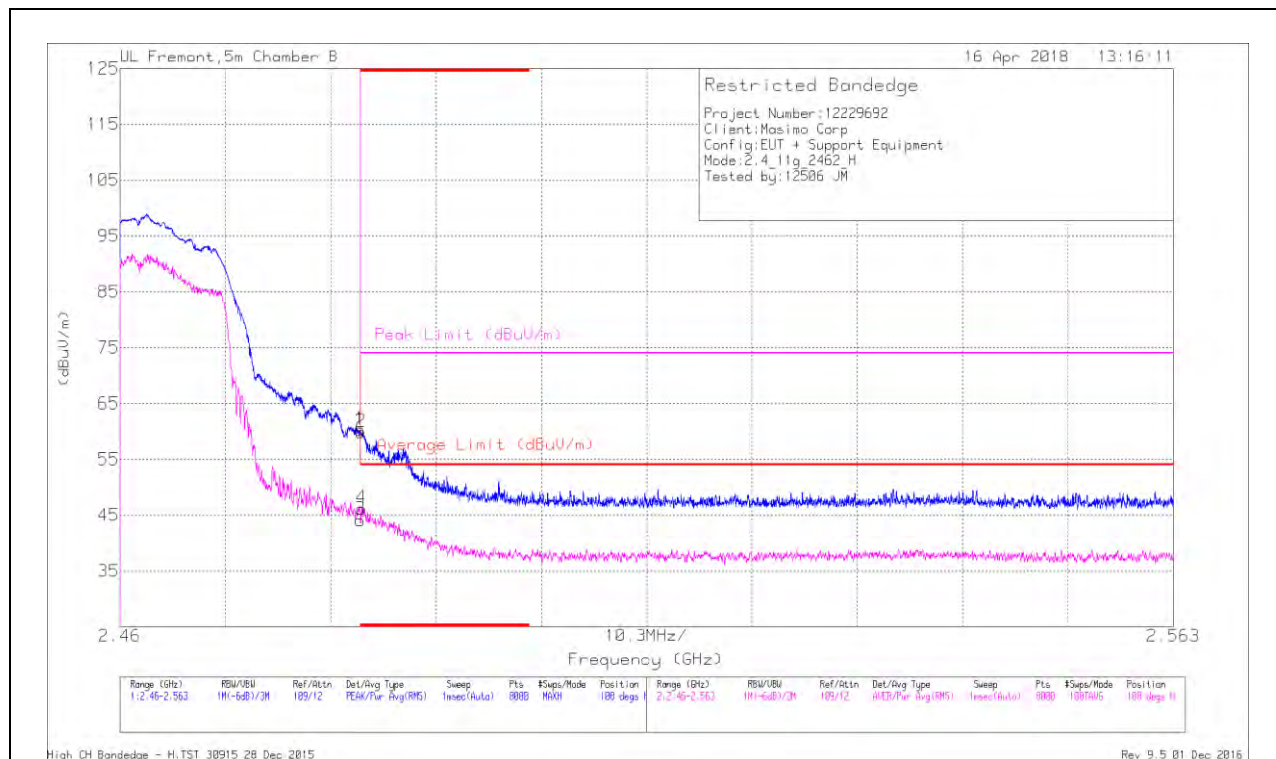
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



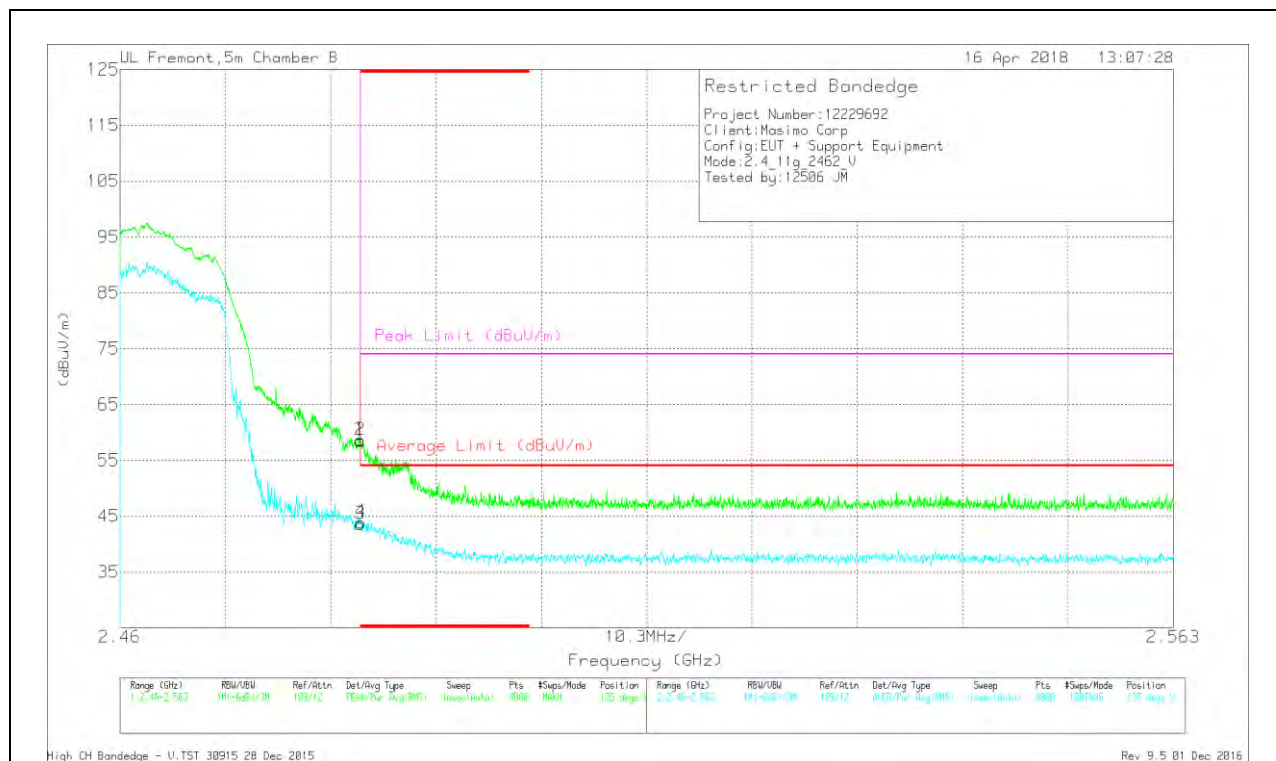
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Chl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	49.29	Pk	32.5	-21.5	0	60.29	-	-	74	-13.71	108	207	H
2	* 2.484	48.88	Pk	32.5	-21.5	0	59.88	-	-	74	-14.12	108	207	H
3	* 2.484	32.87	RMS	32.5	-21.5	.29	44.16	54	-9.84	-	-	108	207	H
4	* 2.484	34.91	RMS	32.5	-21.5	.29	46.2	54	-7.8	-	-	108	207	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 T863 (dBm)	Amp/Chl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (m)	Height (cm)	Polarity
1	* 2.484	47.56	Pk	32.5	-21.5	0	58.56	-	-	74	-15.44	135	354	V
2	* 2.484	47.61	Pk	32.5	-21.5	0	58.61	-	-	74	-15.39	135	354	V
3	* 2.484	32.29	RMS	32.5	-21.5	.29	43.58	54	-10.42	-	-	135	354	V
4	* 2.484	32.6	RMS	32.5	-21.5	.29	43.89	54	-10.11	-	-	135	354	V

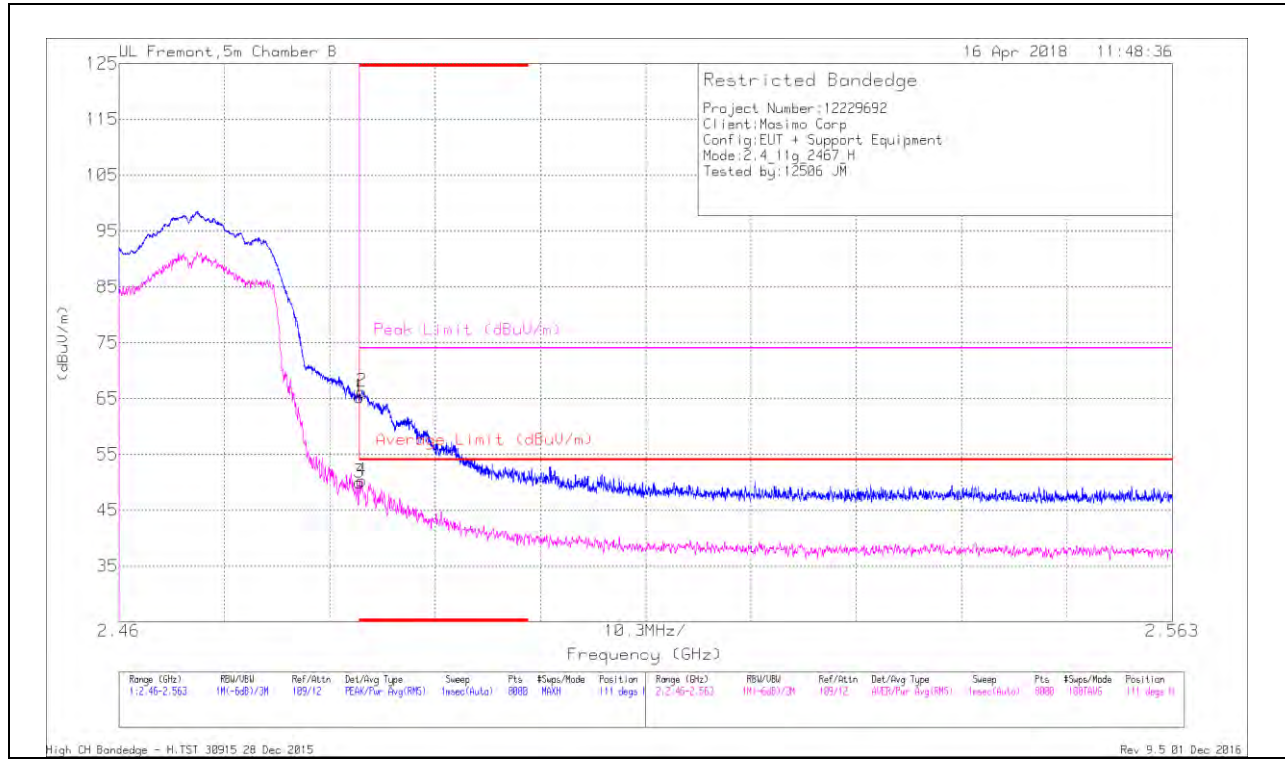
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 12)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Chl/Filt/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	* 2.484	54.27	Pk	32.5	-21.5	0	65.27	-	-	74	-8.73	111	145	H
2	* 2.484	55.26	Pk	32.5	-21.5	0	66.26	-	-	74	-7.74	111	145	H
3	* 2.484	38.7	RMS	32.5	-21.5	.29	49.99	54	-4.01	-	-	111	145	H
4	* 2.484	39.02	RMS	32.5	-21.5	.29	50.31	54	-3.69	-	-	111	145	H

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

Pk - Peak detector

RMS - RMS detection

UL Fremont, 5m Chamber B

16 Apr 2018 11:57:05

Restricted Bandedge

Project Number: 12229692
 Client: Masimo Corp
 Config: EUT + Support Equipment
 Mode: 2.4_11g_2467_V
 Tested by: 12506 JM

Peak Limit (dBuV/m)

Average Limit (dBuV/m)

0.4

10.3MHz/

2.46 2.563

Range (GHz)	RBW/VBW	Ref/Attn	Det/Avg Type	Sweep	Pls	#Sps/Mode	Position	Range (GHz)	RBW/VBW	Ref/Attn	Det/Avg Type	Sweep	Pls	#Sps/Mode	Position
2.46-2.563	100/100	100/12	Peak/Max Avg (RMS)	Linear (100%)	1000	1000	50 degs U	2.46-2.563	100/100	100/12	Peak/Max Avg (RMS)	Linear (100%)	1000	1000	50 degs U

High CH Bandedge - U-TST 30915 28 Dec 2015

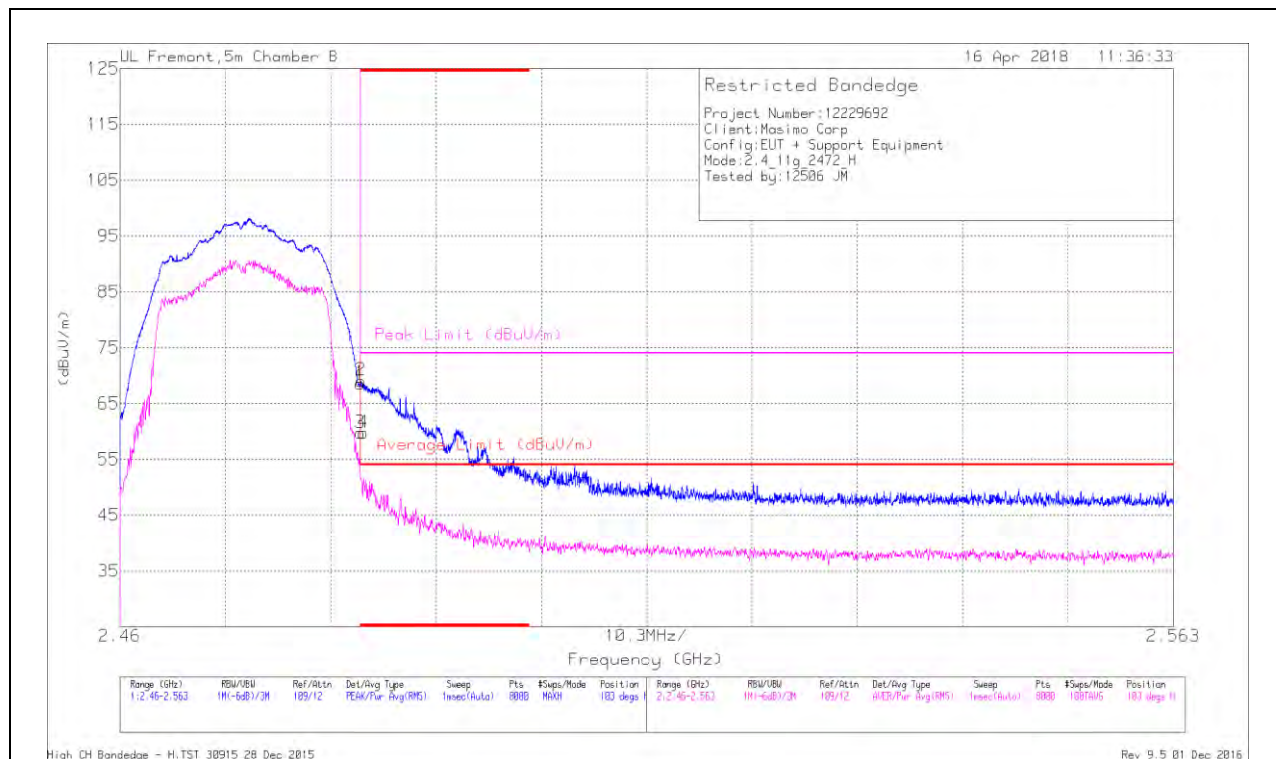
Rev 9.5 01 Dec 2015

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Ampl/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	* 2.484	49.73	Pk	32.5	-21.5	0	60.73	-	-	74	-13.27	90	379	V
2	* 2.484	50.47	Pk	32.5	-21.5	0	61.47	-	-	74	-12.53	90	379	V
3	* 2.484	32.55	RMS	32.5	-21.5	29	43.84	54	-10.16	-	-	90	379	V
4	* 2.484	34.33	RMS	32.5	-21.5	29	45.62	54	-8.38	-	-	90	379	V

Pk - Peak detector
RMS - RMS detection

BANDEGE (HIGH CHANNEL, CH 13)

HORIZONTAL RESULT



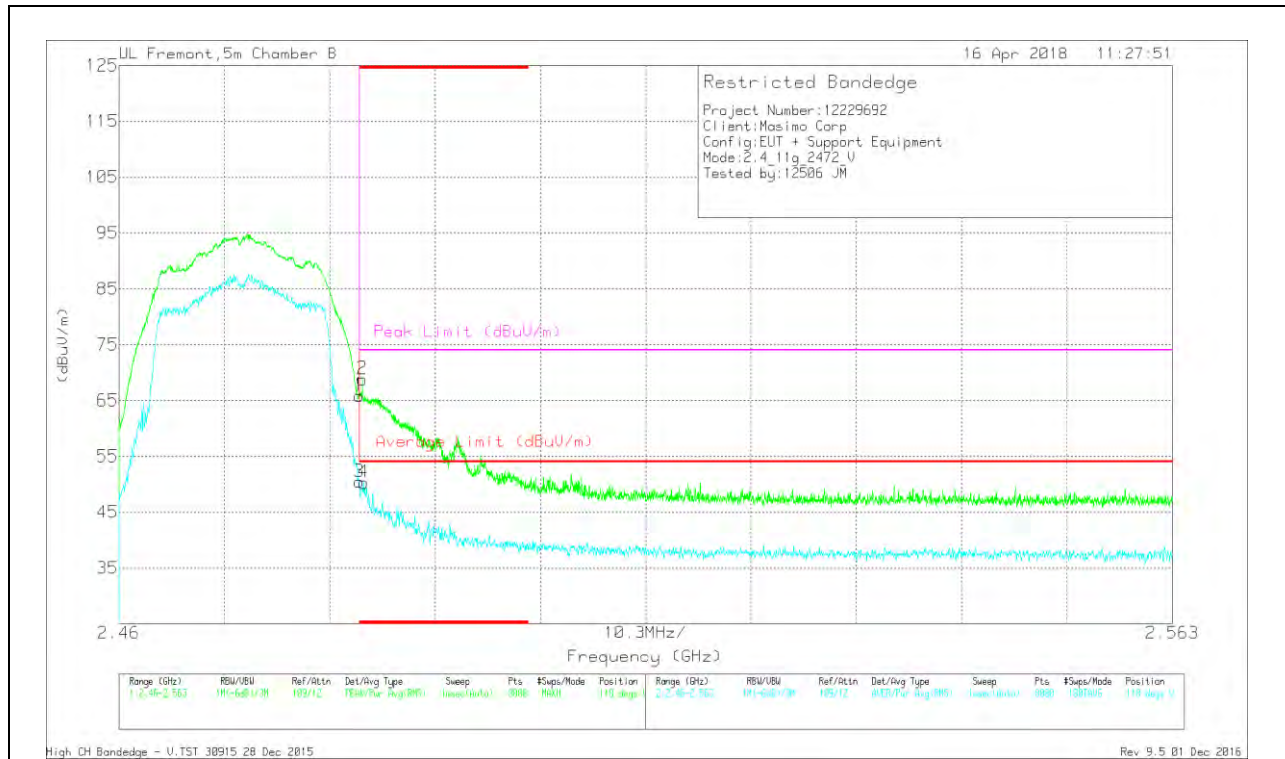
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dBm)	Amp/Chl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	57.57	Pk	32.5	-21.5	0	68.57	-	-	74	-5.43	103	142	H
2	* 2.484	58.08	Pk	32.5	-21.5	0	69.08	-	-	74	-4.92	103	142	H
3	* 2.484	40.28	RMS	32.5	-21.5	.29	51.57	54	-2.43	-	-	103	142	H
4	* 2.484	40.29	RMS	32.5	-21.5	.29	51.58	54	-2.42	-	-	103	142	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 T863 (dBm)	Amp/Chl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.484	54.87	Pk	32.5	-21.5	0	65.87	-	-	74	-8.13	118	362	V
2	* 2.484	57.82	Pk	32.5	-21.5	0	68.82	-	-	74	-5.18	118	362	V
3	* 2.484	39.16	RMS	32.5	-21.5	.29	50.45	54	-3.55	-	-	118	362	V
4	* 2.484	39	RMS	32.5	-21.5	.29	50.29	54	-3.71	-	-	118	362	V

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

Pk - Peak detector

RMS - RMS detection