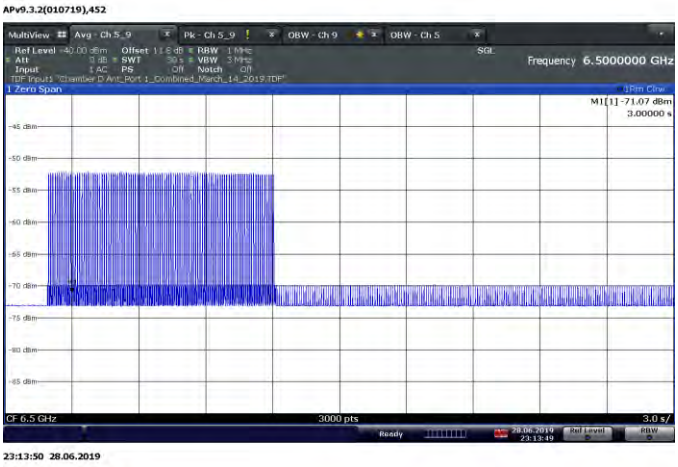
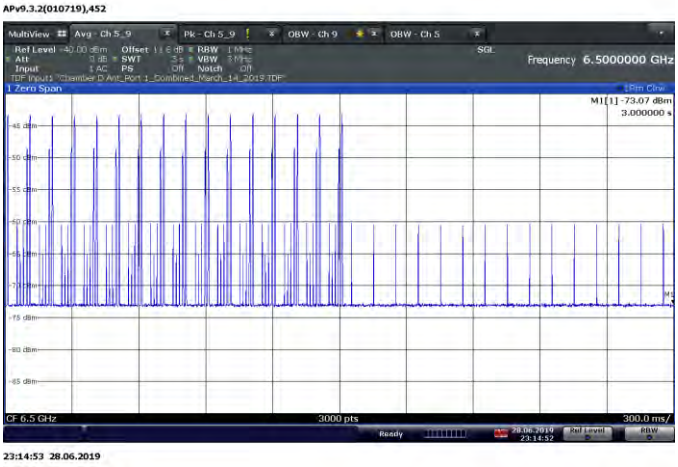
Case 2: EUT ends the UWB link



RESULT

- EUT ends the link, Smart Phone stops Acknowledgements but continues Polling
    - EUT ceases transmissions, does not respond to Polling Signals

Zoom-in Plot during On-Off Transition



RESULT

- Shows Link Traffic, Acknowledgements and Polling Signals while Link is established
- Shows Polling Signals after Link has ended

8.4. AVERAGE EMISSIONS

LIMIT

§15.519 (3)(c) The radiated emissions at or below 960 MHz from a device operating under the provisions of this section shall not exceed the emission levels in §15.209. The radiated emissions above 960 MHz from a device operating under the provisions of this section shall not exceed the following average limits when measured using a resolution bandwidth of 1 MHz:

15.209 (a)

Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100**	3
88-216	150**	3
216-960	200**	3
Above 960	500	3

15.519 (3)(c)

Frequency in MHz	EIRP in dBm
960-1610	−75.3
1610-1990	−63.3
1990-3100	−61.3
3100-10600	−41.3
Above 10600	−61.3

§15.519 (3)(d) In addition to the radiated emission limits specified in the table in paragraph (c) of this section, UWB transmitters operating under the provisions of this section shall not exceed the following average limits when measured using a resolution bandwidth of no less than 1 kHz:

Frequency in MHz	EIRP in dBm
1164-1240	−85.3
1559-1610	−85.3

TEST PROCEDURE

ANSI C63.10 Clause 10.2 and 10.3.

PROCEDURE FOR 9 kHz TO 960 MHz

Measurements are made with the antenna feeding a spectrum analyzer via a preamplifier and cables, at a maximum distance of 3m from the EUT.

PROCEDURE FOR 960 MHz TO 6 GHz

Measurements are made with the antenna feeding a spectrum analyzer via a preamplifier and cables, at a maximum distance of 0.5m from the EUT.

A low pass filter with a cut off frequency of 6 GHz is used to suppress the fundamental and perform measurement for 0.96 - 6 GHz.

RESULTS FOR 6 GHz TO 9 GHz

The 6 - 9 GHz frequency band is covered in Section 8.2.

PROCEDURE FOR 9 GHz TO 18 GHz

Measurements are made with the antenna feeding a spectrum analyzer via a preamplifier and cables, at a maximum distance of 0.5m from the EUT.

A high pass filter with pass band frequency beyond 9 GHz is used to suppress the fundamental and perform measurement for 9 - 18 GHz.

PROCEDURE FOR 1.164 TO 1.240 GHz

Measurements are made with the antenna feeding a spectrum analyzer via a preamplifier and cables, at a maximum distance of 0.5m from the EUT.

RBW = 120kHz & VBW = 360 kHz were used at pre-scan.

PROCEDURE FOR 1.559 – 1.610 GHz

Measurements are made with the antenna feeding a spectrum analyzer via a preamplifier and cables, at a maximum distance of 0.5m from the EUT.

RBW = 120kHz & VBW = 360 kHz were used at pre-scan.

PROCEDURE FOR 18 GHz TO 40 GHz

Measurements are made with the antenna feeding a spectrum analyzer via a preamplifier and cables, at a maximum distance of 0.5m from the EUT.

A final test is made at any frequencies at which emissions are found. During this final scan, the antenna is kept no further from the EUT than the maximum distance calculated for each band that yields a minimum system noise floor.

Distance Correction Factor from 3m to 0.5m = 20*log(0.5m/3m) = -15.56 dB

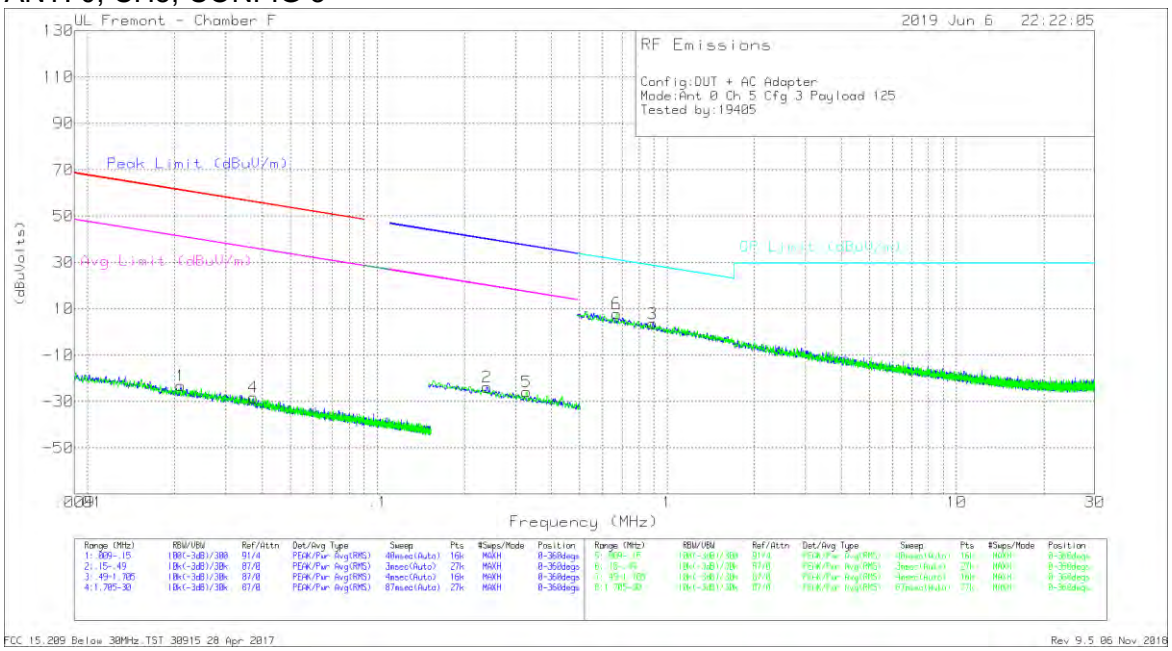
RESULTS

AVERAGE Emissions Summary

					Frequency Range						
Ant	CH	Config	Payload	Power Setting	9 kHz - 30 MHz	30 - 960 MHz	1164 - 1240 MHz	1559 - 1610 MHz	0.96 - 18 GHz	18 - 26 GHz	26 - 40 GHz
0	5	3	125	Max	PASS	PASS	PASS	PASS	PASS	PASS	PASS
0	9	3	125	Max	PASS	PASS	PASS	PASS	PASS	PASS	PASS
1	5	3	125	Max	PASS	PASS	PASS	PASS	PASS	PASS	PASS
1	9	3	125	Max	PASS	PASS	PASS	PASS	PASS	PASS	PASS
2	5	3	125	Max	PASS	PASS	PASS	PASS	PASS	PASS	PASS
2	9	3	125	Max	PASS	PASS	PASS	PASS	PASS	PASS	PASS
3	5	3	125	Max	PASS	PASS	PASS	PASS	PASS	PASS	PASS
3	9	3	125	Max	PASS	PASS	PASS	PASS	PASS	PASS	PASS

8.4.1. AVERAGE EMISSIONS, 9 kHz – 30 MHz

ANT. 0, CH5, CONFIG 3



Trace Markers

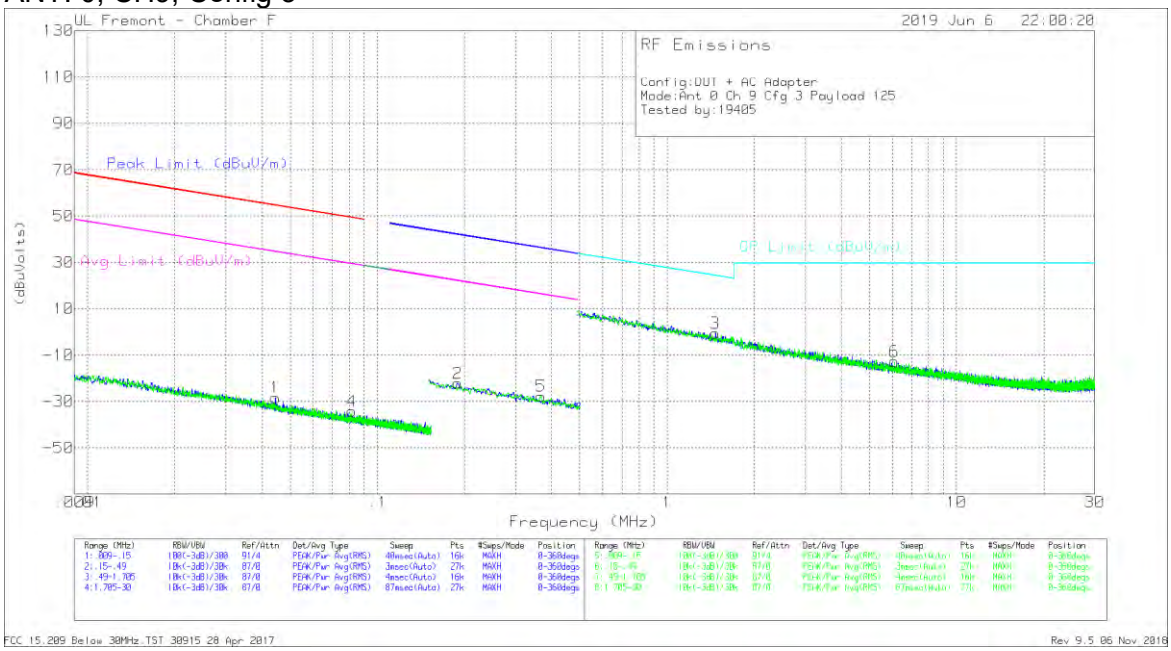
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cables (dB)	Dist Corr 300m	EIRP (dBuVolts)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	.02094	41.59	Pk	15.3	0	-80	-23.11	61.16	-84.27	41.16	-64.27	-	-	-	-	0-360
2	.23913	44.61	Pk	11.5	.1	-80	-23.79	-	-	-	-	40.04	-63.83	20.04	-43.83	0-360
4	.03725	38.06	Pk	13.7	0	-80	-28.24	56.16	-84.4	36.16	-64.4	-	-	-	-	0-360
5	.32752	42.54	Pk	11.5	.1	-80	-25.86	-	-	-	-	37.31	-63.17	17.31	-43.17	0-360

Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cables (dB)	Dist Corr (dB) 40Log	EIRP (dBuVolts)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
5	.89219	32	Pk	11.5	.1	-40	3.6	28.61	-25.01	0-360
6	.67061	36.28	Pk	11.5	.1	-40	7.88	31.08	-23.2	0-360

Pk - Peak detector

ANT. 0, CH9, Config 3



Trace Markers

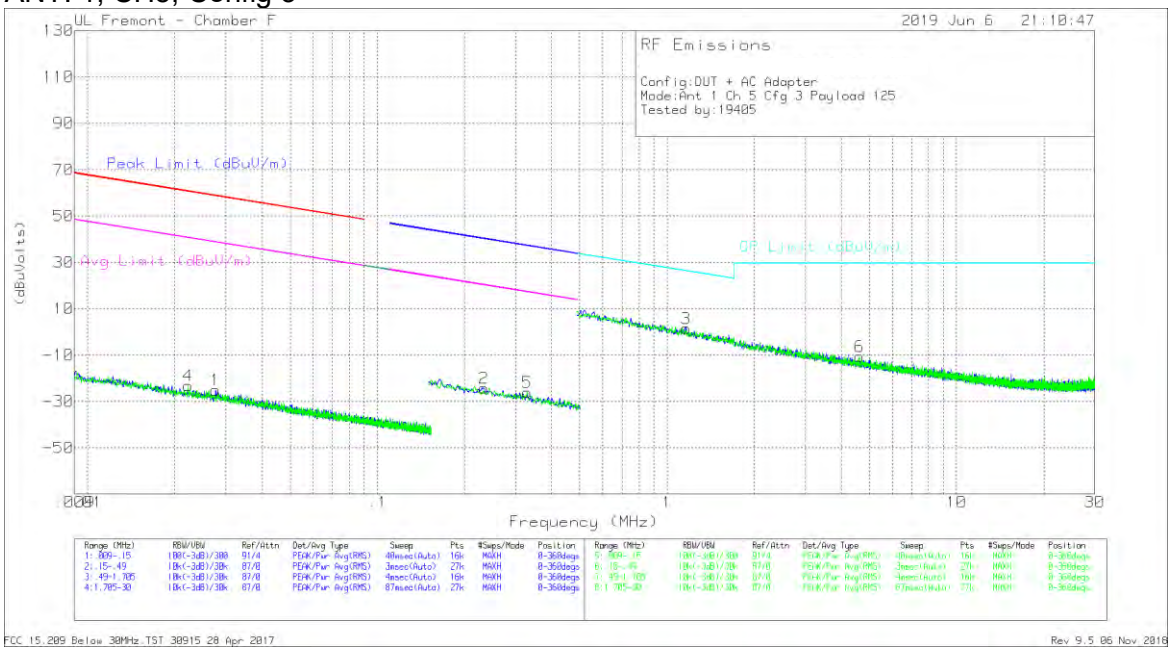
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cables (dB)	Dist Corr 300m	EIRP (dBuVolts)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	.04447	38.72	Pk	13	0	-80	-28.28	54.62	-82.9	34.62	-62.9	-	-	-	-	0-360
2	.18976	46.12	Pk	11.6	.1	-80	-22.18	-	-	-	-	42.06	-64.24	22.06	-44.24	0-360
4	.08175	34	Pk	11.8	0	-80	-34.2	49.34	-83.54	29.34	-63.54	-	-	-	-	0-360
5	.36688	40.65	Pk	11.5	.1	-80	-27.75	-	-	-	-	36.32	-64.07	16.32	-44.07	0-360

Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cables (dB)	Dist Corr (dB) 40Log	EIRP (dBuVolts)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
3	1.47116	27.79	Pk	11.6	.1	-40	-.51	24.28	-24.79	0-360
6	6.08721	15.72	Pk	11.2	.3	-40	-12.78	29.5	-42.28	0-360

Pk - Peak detector

ANT. 1, CH5, Config 3



Trace Markers

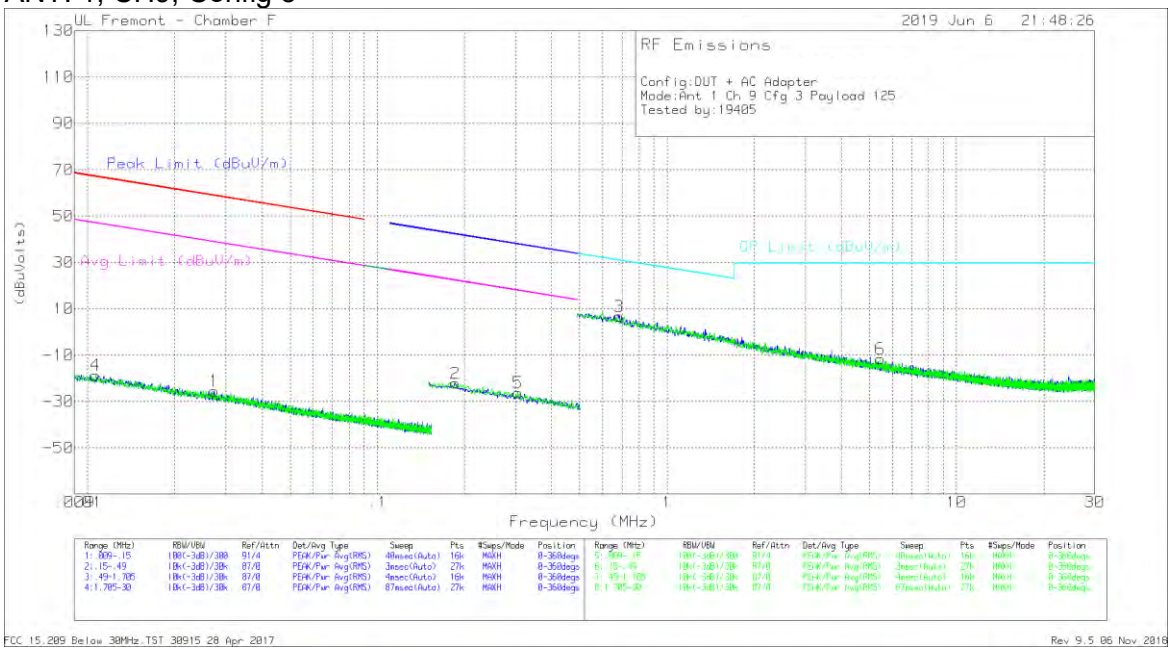
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cables (dB)	Dist Corr 300m	EIRP (dBuVolts)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	.02764	40.31	Pk	14.6	0	-80	-25.09	58.75	-83.84	38.75	-63.84	-	-	-	-	0-360
2	.23332	44.24	Pk	11.5	.1	-80	-24.16	-	-	-	-	40.26	-64.42	20.26	-44.42	0-360
4	.02219	41.63	Pk	15.2	0	-80	-23.17	60.66	-83.83	40.66	-63.83	-	-	-	-	0-360
5	.32903	42.33	Pk	11.5	.1	-80	-26.07	-	-	-	-	37.27	-63.34	17.27	-43.34	0-360

Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cables (dB)	Dist Corr (dB) 40Log	EIRP (dBuVolts)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
3	1.16344	29.95	Pk	11.5	.1	-40	1.55	26.31	-24.76	0-360
6	4.6242	17.86	Pk	11.4	.2	-40	-10.54	29.5	-40.04	0-360

Pk - Peak detector

ANT. 1, CH9, Config 3



Trace Markers

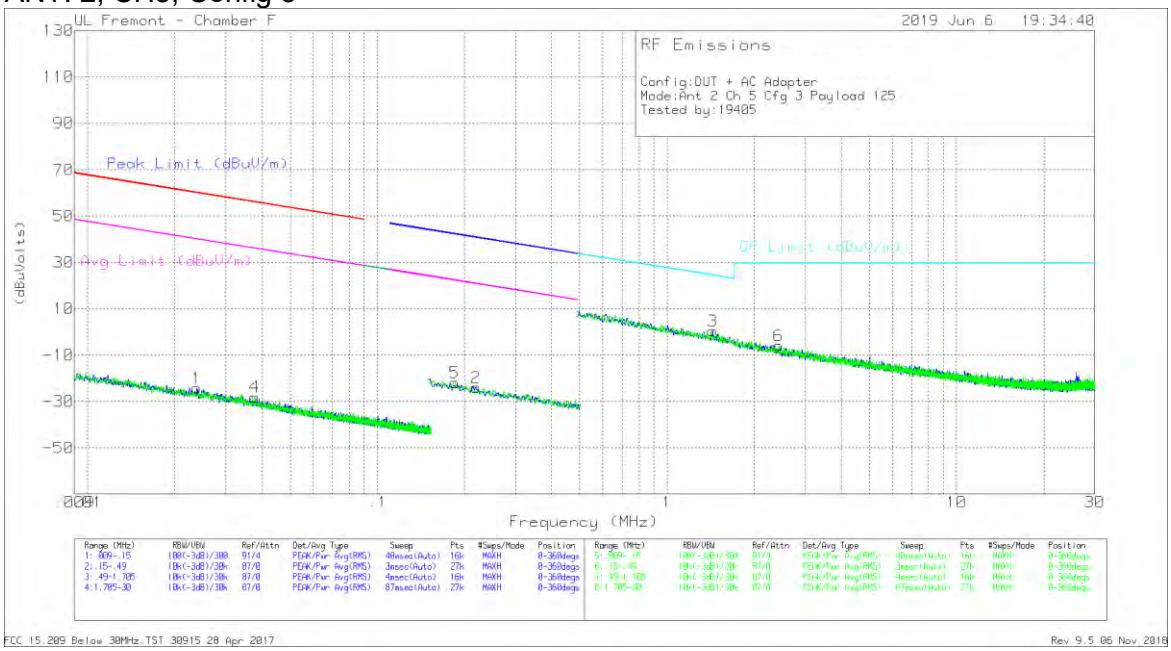
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cables (dB)	Dist Corr 300m	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	.0273	39.87	Pk	14.7	0	-80	-25.43	58.86	-84.29	38.86	-64.29	-	-	-	-	0-360
2	.18581	46.18	Pk	11.6	.1	-80	-22.12	-	-	-	-	42.24	-64.36	22.24	-44.36	0-360
4	.01066	42.1	Pk	19.3	0	-80	-18.6	67.03	-85.63	47.03	-65.63	-	-	-	-	0-360
5	.30595	42.17	Pk	11.5	.1	-80	-26.23	-	-	-	-	37.9	-64.13	17.9	-44.13	0-360

Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cables (dB)	Dist Corr (dB) 40Log	Corrected Reading (dBuVolts)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
3	.68376	35.11	Pk	11.5	.1	-40	6.71	30.91	-24.2	0-360
6	5.4495	16.97	Pk	11.2	.3	-40	-11.53	29.5	-41.03	0-360

Pk - Peak detector

ANT. 2, CH5, Config 3



Trace Markers

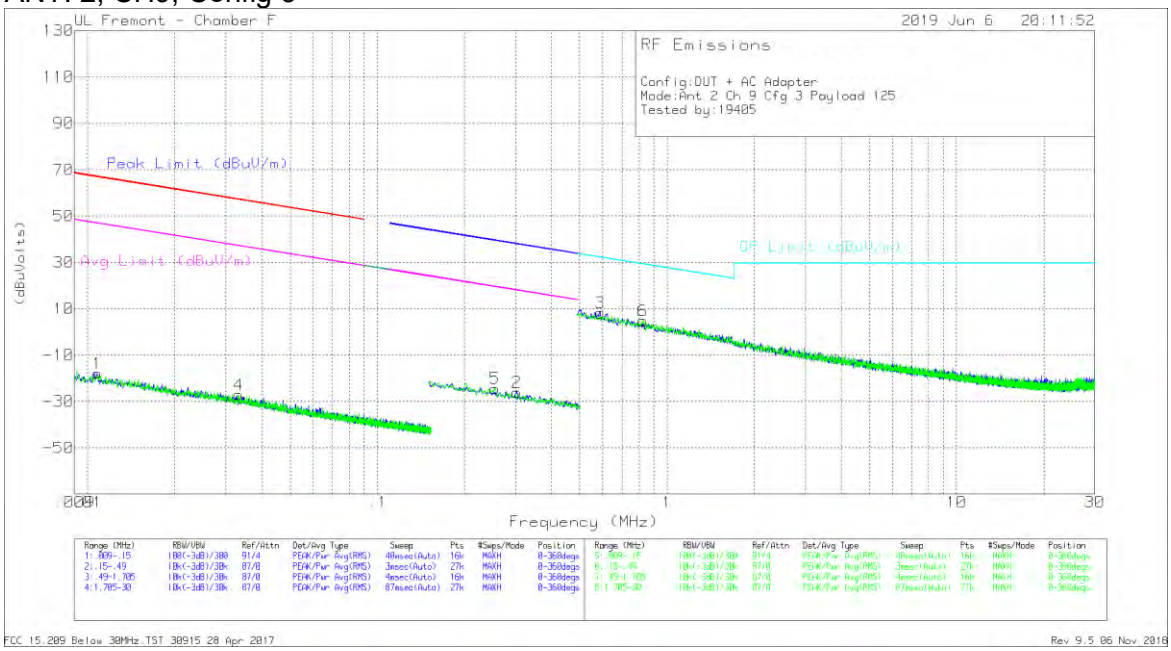
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cables (dB)	Dist Corr 300m	EIRP (dBuVolts)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	.02375	40.85	Pk	15	0	-80	-24.15	60.07	-84.22	40.07	-64.22	-	-	-	-	0-360
2	.21906	44.46	Pk	11.5	.1	-80	-23.94	-	-	-	-	40.81	-64.75	20.81	-44.75	0-360
4	.03772	38.35	Pk	13.6	0	-80	-28.05	56.05	-84.1	36.05	-64.1	-	-	-	-	0-360
5	.18466	46.49	Pk	11.6	.1	-80	-21.81	-	-	-	-	42.29	-64.1	22.29	-44.1	0-360

Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cables (dB)	Dist Corr (dB) 40Log	EIRP (dBuVolts)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
3	1.43711	28.75	Pk	11.6	.1	-40	.45	24.48	-24.03	0-360
6	2.43126	22.3	Pk	11.7	.2	-40	-5.8	29.5	-35.3	0-360

Pk - Peak detector

ANT. 2, CH9, Config 3



Trace Markers

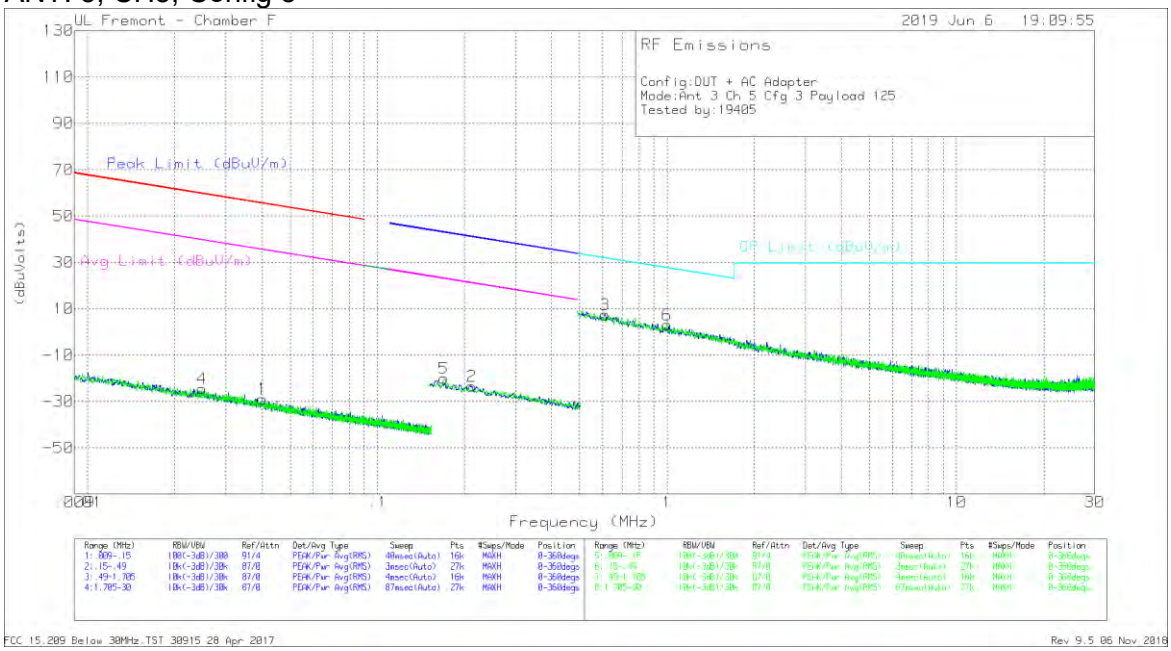
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cables (dB)	Dist Corr 300m	EIRP (dBuVolts)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	.01078	42.8	Pk	19.3	0	-80	-17.9	66.93	-84.83	46.93	-64.83	-	-	-	-	0-360
2	.303	42.41	Pk	11.5	.1	-80	-25.99	-	-	-	-	37.98	-63.97	17.98	-43.97	0-360
4	.03314	38.72	Pk	14.1	0	-80	-27.18	57.18	-84.36	37.18	-64.36	-	-	-	-	0-360
5	.25454	44.04	Pk	11.5	.1	-80	-24.36	-	-	-	-	39.5	-63.86	19.5	-43.86	0-360

Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cables (dB)	Dist Corr (dB) 40Log	EIRP (dBuVolts)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
3	.58781	36.64	Pk	11.5	.1	-40	8.24	32.22	-23.98	0-360
6	.82577	33.22	Pk	11.5	.1	-40	4.82	29.28	-24.46	0-360

Pk - Peak detector

ANT. 3, CH5, Config 3



Trace Markers

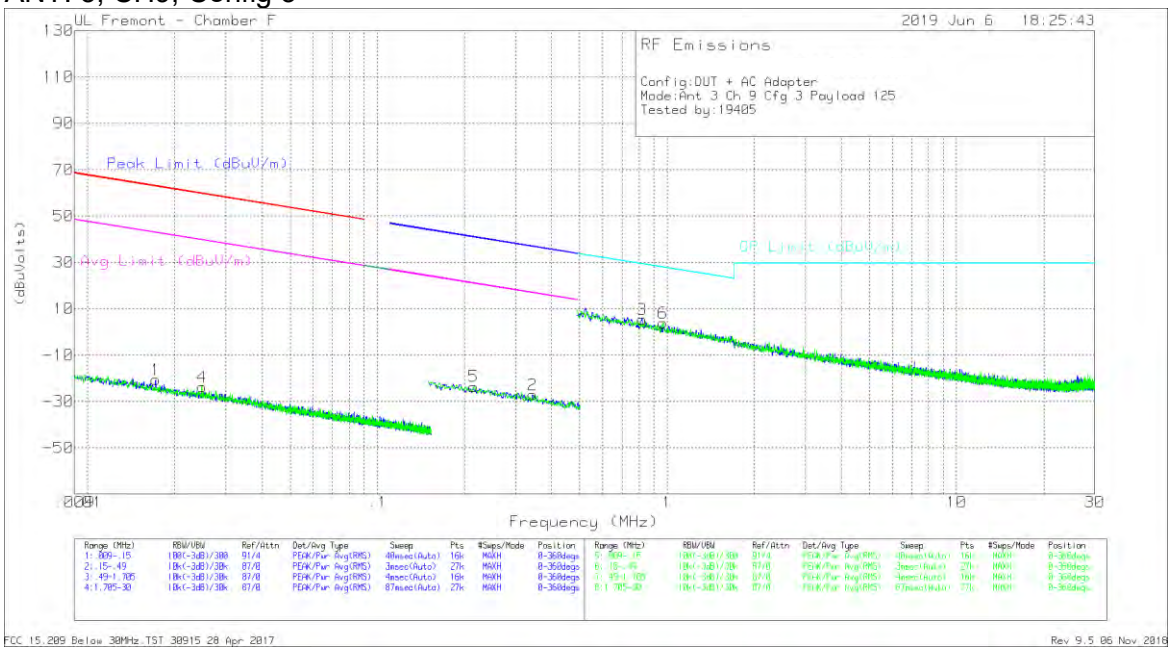
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cables (dB)	Dist Corr 300m	EIRP (dBuVolts)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	.04009	37.74	Pk	13.4	0	-80	-28.86	55.52	-84.38	35.52	-64.38	-	-	-	-	0-360
2	.21178	45.02	Pk	11.5	.1	-80	-23.38	-	-	-	-	41.1	-64.48	21.1	-44.48	0-360
4	.02484	40.56	Pk	14.9	0	-80	-24.54	59.68	-84.22	39.68	-64.22	-	-	-	-	0-360
5	.16962	48.23	Pk	11.6	.1	-80	-20.07	-	-	-	-	43.03	-63.1	23.03	-43.1	0-360

Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cables (dB)	Dist Corr (dB) 40Log	EIRP (dBuVolts)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
3	.61099	35.84	Pk	11.5	.1	-40	7.44	31.89	-24.45	0-360
6	1.00125	31.5	Pk	11.5	.1	-40	3.1	27.61	-24.51	0-360

Pk - Peak detector

ANT. 3, CH9, Config 3



Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cables (dB)	Dist Corr 300m	EIRP (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	.01716	42.88	Pk	16.6	0	-80	-20.52	62.89	-83.41	42.89	-63.41	-	-	-	-	0-360
2	.34377	41.28	Pk	11.5	.1	-80	-27.12	-	-	-	-	36.88	-64	16.88	-44	0-360
4	.02478	41.37	Pk	14.9	0	-80	-23.73	59.7	-83.43	39.7	-63.43	-	-	-	-	0-360
5	.215	44.85	Pk	11.5	.1	-80	-23.55	-	-	-	-	40.97	-64.52	20.97	-44.52	0-360

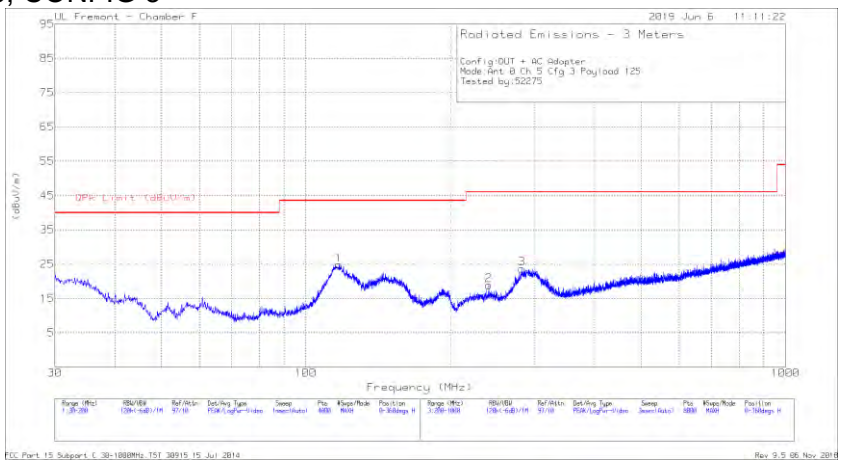
Pk - Peak detector

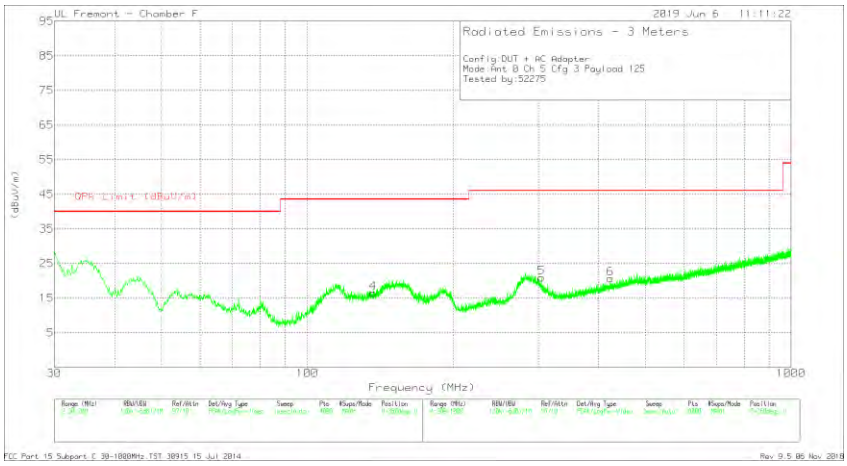
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cables (dB)	Dist Corr (dB) 40Log	EIRP (dBuVolts)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
3	.82098	33.84	Pk	11.5	.1	-40	5.44	29.33	-23.89	0-360
6	.96865	32.22	Pk	11.5	.1	-40	3.82	27.9	-24.08	0-360

Pk - Peak detector

8.4.2. AVERAGE EMISSIONS, 30 – 960 MHz

ANT. 0, CH5, CONFIG 3



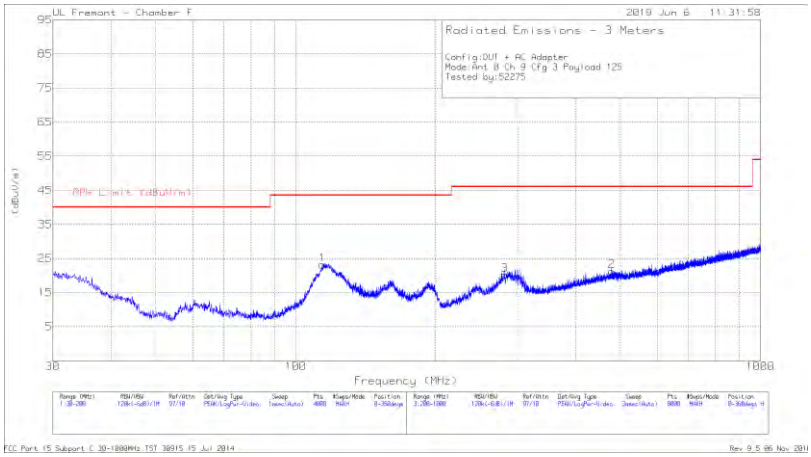


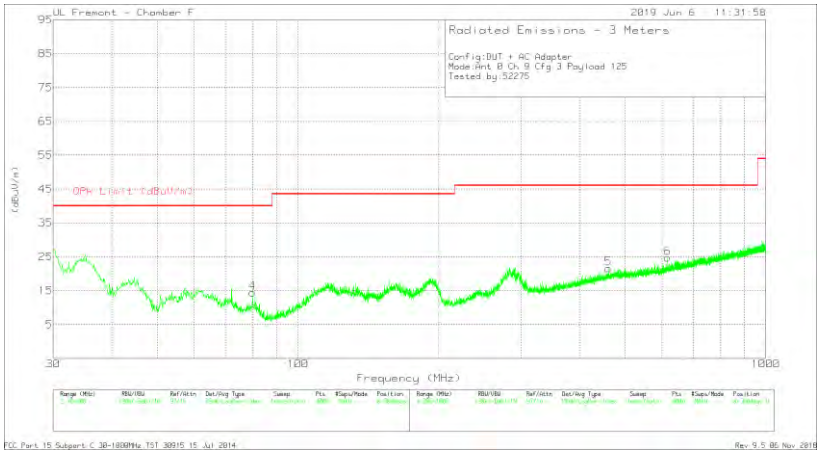
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T900 (dB/m)	Amp/Cbl (dB)	EIRP (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 117.3176	38.4	Pk	17.4	-31	24.8	43.52	-18.72	0-360	199	H
4	* 136.9152	29.91	Pk	17.5	-30.9	16.51	43.52	-27.01	0-360	100	V
2	* 240.5053	33.78	Pk	15.4	-30.3	18.88	46.02	-27.14	0-360	99	H
3	* 281.9106	36.35	Pk	17.3	-29.9	23.75	46.02	-22.27	0-360	99	H
5	304.9136	33.26	Pk	17.5	-29.9	20.86	46.02	-25.16	0-360	99	V
6	423.129	29.57	Pk	20.3	-29.2	20.67	46.02	-25.35	0-360	299	V

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

ANT. 0, CH9, CONFIG 3



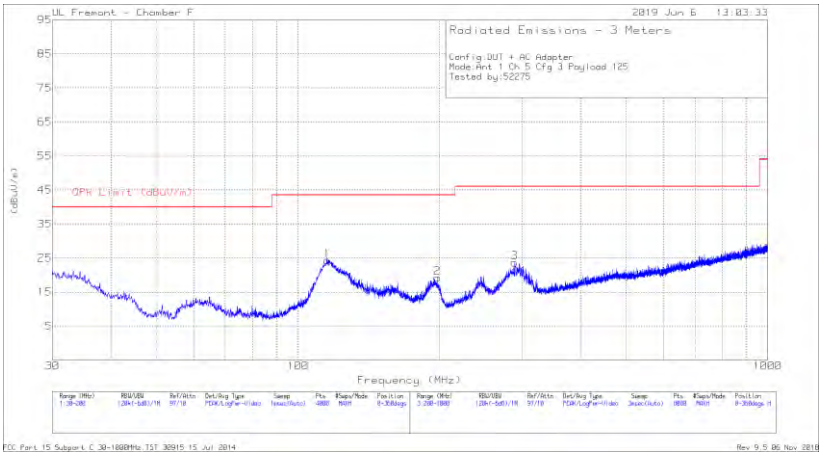


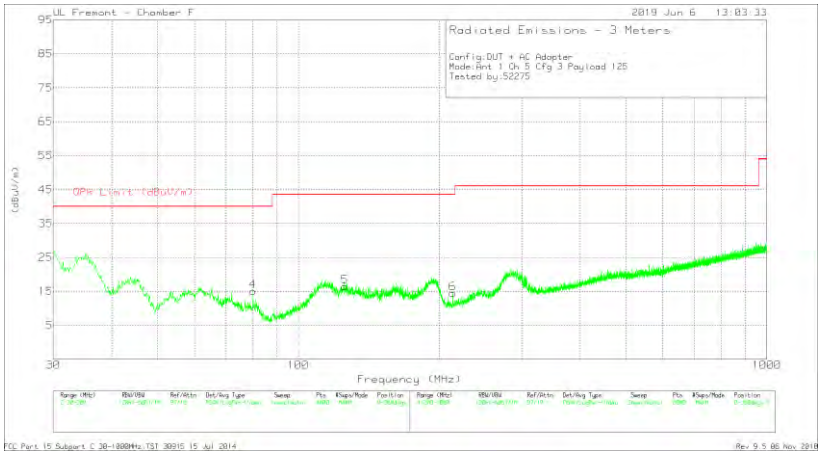
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T900 (dB/m)	Amp/Cbl (dB)	EIRP (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 114.0868	37.18	Pk	17.1	-31.1	23.18	43.52	-20.34	0-360	299	H
4	79.9929	34.27	Pk	11.5	-31.4	14.37	40	-25.63	0-360	100	V
2	478.4362	28.84	Pk	21.5	-29	21.34	46.02	-24.68	0-360	99	H
3	* 281.3106	32.74	Pk	17.3	-29.9	20.14	46.02	-25.88	0-360	99	H
5	460.9339	29.48	Pk	21.1	-29	21.58	46.02	-24.44	0-360	99	V
6	616.1541	30.21	Pk	23	-28.5	24.71	46.02	-21.31	0-360	199	V

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

ANT.1, CH5, CONFIG 3





Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T900 (dB/m)	Amp/Cbl (dB)	EIRP (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 115.3621	38.17	Pk	17.2	-31	24.37	43.52	-19.15	0-360	299	H
2	197.8759	33.08	Pk	16.6	-30.5	19.18	43.52	-24.34	0-360	99	H
4	79.9929	34.97	Pk	11.5	-31.4	15.07	40	-24.93	0-360	100	V
5	* 125.6072	29.64	Pk	17.8	-31	16.44	43.52	-27.08	0-360	100	V
3	289.0116	36.27	Pk	17.3	-29.9	23.67	46.02	-22.35	0-360	99	H
6	213.6018	30.46	Pk	14.4	-30.4	14.46	43.52	-29.06	0-360	299	V

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

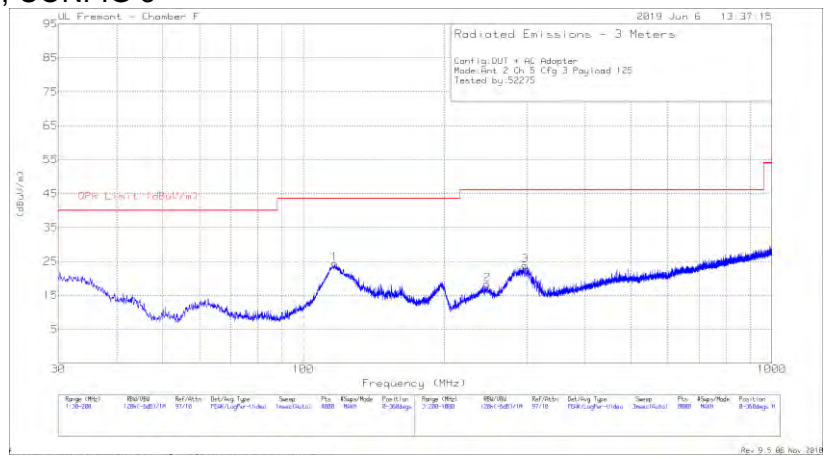
ANT. 1, CH9, CONFIG 3

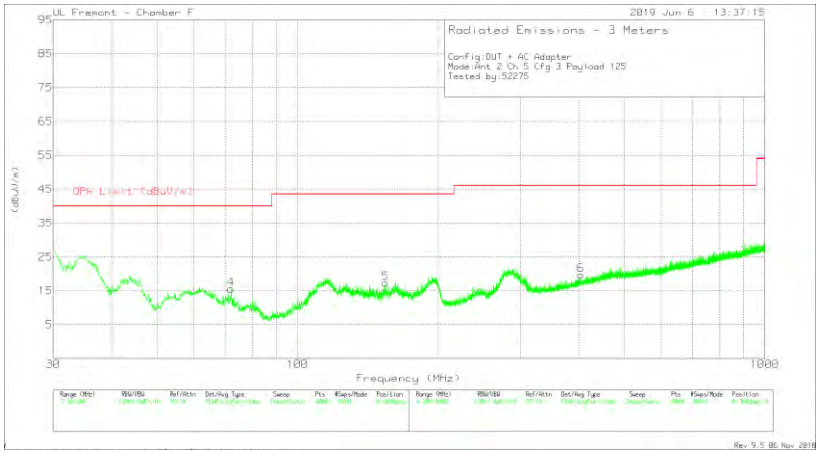
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T900 (dB/m)	Amp/Cbl (dB)	EIRP (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 131.8138	33.68	Pk	17.8	-31	20.48	43.52	-23.04	0-360	199	H
2	* 115.8722	37.07	Pk	17.3	-31	23.37	43.52	-20.15	0-360	299	H
4	72.0859	35.06	Pk	12.1	-31.5	15.66	40	-24.34	0-360	100	V
5	* 134.8321	28.39	Pk	17.6	-30.9	15.09	43.52	-28.43	0-360	100	V
3	293.6122	37.02	Pk	17.3	-29.9	24.42	46.02	-21.6	0-360	99	H
6	441.6314	27.75	Pk	20.6	-29.2	19.15	46.02	-26.87	0-360	299	V

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

ANT. 2, CH5, CONFIG 3



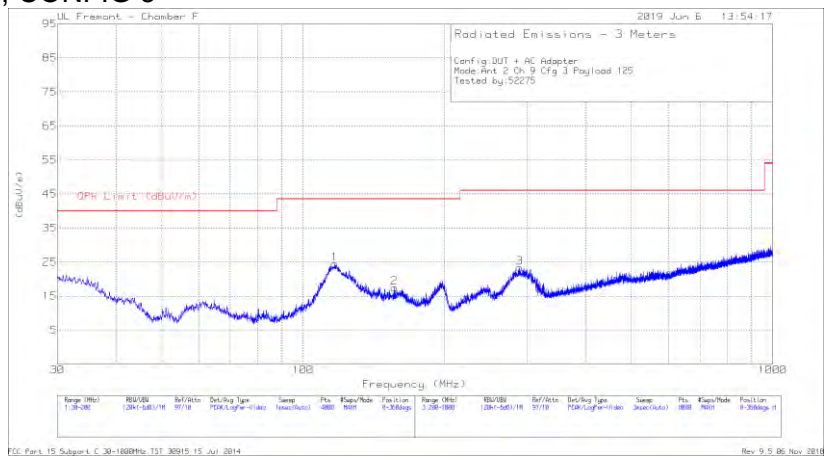


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T900 (dB/m)	Amp/Cbl (dB)	EIRP (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 116.85	37.98	Pk	17.4	-31	24.38	43.52	-19.14	0-360	299	H
4	72.0434	34.96	Pk	12.1	-31.5	15.56	40	-24.44	0-360	100	V
5	154.2597	31.83	Pk	16.3	-30.8	17.33	43.52	-26.19	0-360	100	V
2	* 247.1061	33.04	Pk	15.5	-30.2	18.34	46.02	-27.68	0-360	99	H
3	297.5127	36.44	Pk	17.3	-29.9	23.84	46.02	-22.18	0-360	99	H
6	* 403.9265	29.43	Pk	19.7	-29.4	19.73	46.02	-26.29	0-360	199	V

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

ANT. 2, CH9, CONFIG 3

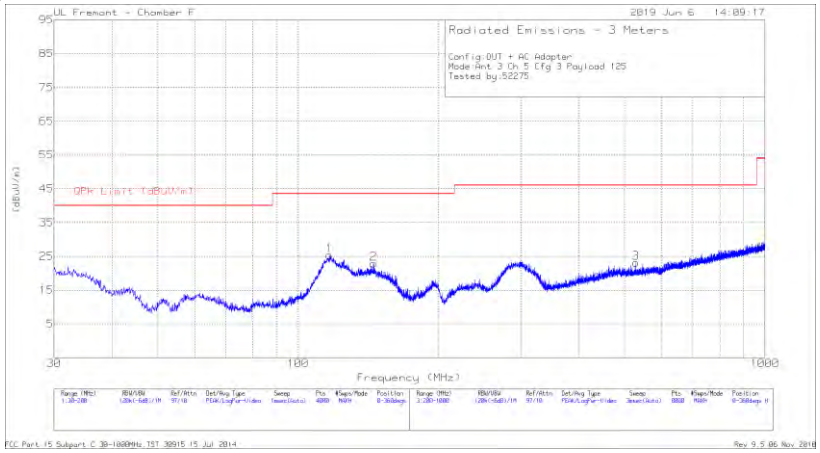


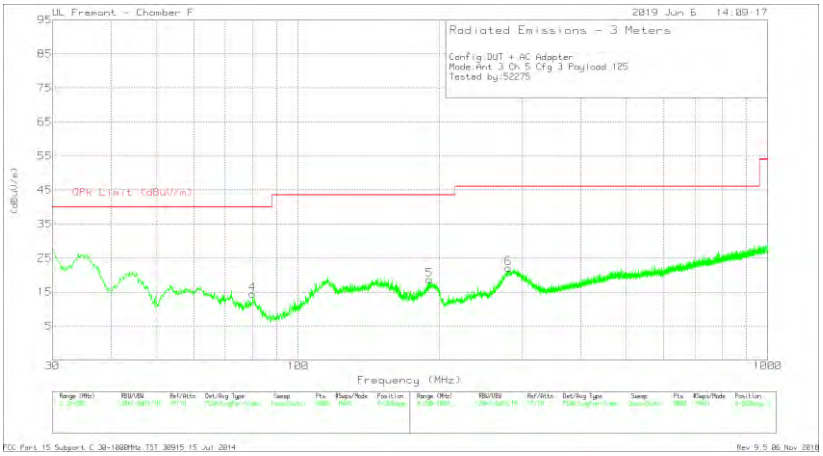
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T900 (dB/m)	Amp/Cbl (dB)	EIRP (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 116.85	38.05	Pk	17.4	-31	24.45	43.52	-19.07	0-360	299	H
2	156.5978	32.06	Pk	16.2	-30.8	17.46	43.52	-26.06	0-360	99	H
4	79.9929	34.12	Pk	11.5	-31.4	14.22	40	-25.78	0-360	100	V
5	144.2696	29.26	Pk	17.1	-30.9	15.46	43.52	-28.06	0-360	100	V
3	289.2116	35.94	Pk	17.3	-29.9	23.34	46.02	-22.68	0-360	99	H
6	298.1128	34.77	Pk	17.3	-29.9	22.17	46.02	-23.85	0-360	99	V

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

ANT. 3, CH5, CONFIG 3



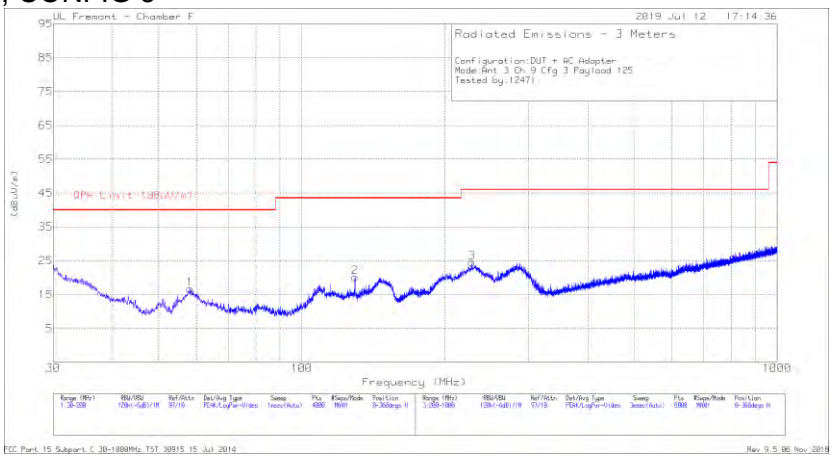


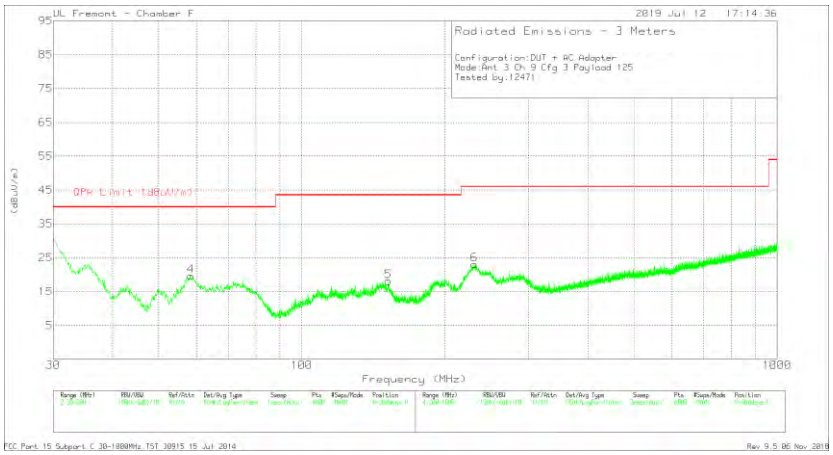
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T900 (dB/m)	Amp/Cbl (dB)	EIRP (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 116.5524	38.99	Pk	17.4	-31	25.39	43.52	-18.13	0-360	299	H
2	145.0135	36.79	Pk	17	-30.9	22.89	43.52	-20.63	0-360	199	H
4	79.9929	34.37	Pk	11.5	-31.4	14.47	40	-25.53	0-360	100	V
5	190.394	34.03	Pk	15.3	-30.6	18.73	43.52	-24.79	0-360	100	V
3	528.6427	30.25	Pk	21.8	-28.9	23.15	46.02	-22.87	0-360	199	H
6	* 280.8105	34.73	Pk	17.3	-29.9	22.13	46.02	-23.89	0-360	99	V

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

ANT. 3, CH9, CONFIG 3





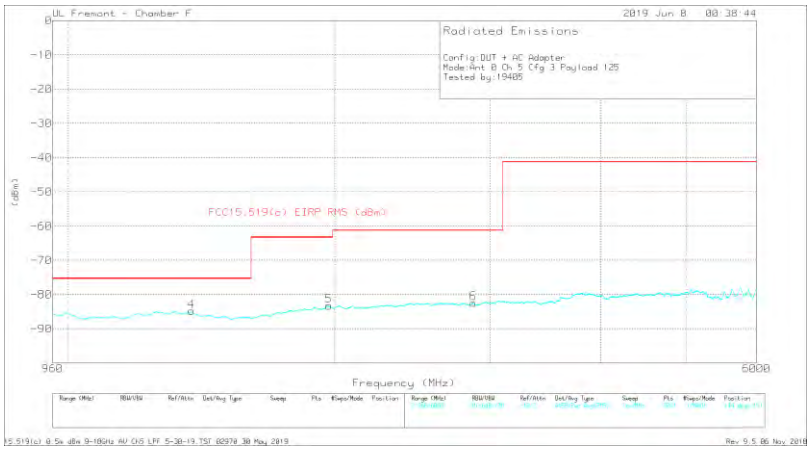
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T407 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	58.1423	36.86	Pk	11.3	-31.5	16.66	40	-23.34	0-360	399	H
2	* 129.3907	33.3	Pk	17.7	-30.9	20.1	43.52	-23.42	0-360	199	H
4	58.3973	39.9	Pk	11.3	-31.6	19.6	40	-20.4	0-360	100	V
5	151.9641	32.57	Pk	16.4	-30.8	18.17	43.52	-25.35	0-360	100	V
3	228.0036	39.83	Pk	15	-30.3	24.53	46.02	-21.49	0-360	99	H
6	230.704	38.21	Pk	15.1	-30.2	23.11	46.02	-22.91	0-360	99	V

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

8.4.3. AVERAGE EMISSIONS, 0.96 – 6 GHz

ANT. 0, CH5, CONFIG 3



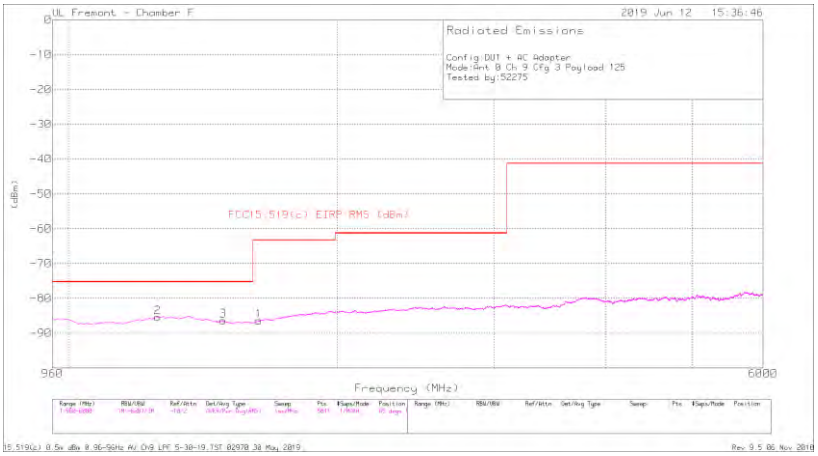
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH5_LPF (dB)	EIRP (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1200	-79.52	RMS	28.3	-30.5	-15.5	11.8	.2	-85.22	-75.3	-9.92	261	151	H
2	1823	-81.89	RMS	30.4	-29.6	-15.5	11.8	.2	-84.59	-63.3	-21.29	41	151	H
3	2547	-82.03	RMS	32.3	-29.4	-15.5	11.8	.3	-82.53	-61.3	-21.23	305	151	H
4	1378	-80.23	RMS	29	-30.1	-15.5	11.8	.2	-84.83	-75.3	-9.53	360	151	V
5	1971	-81.46	RMS	31.3	-29.6	-15.5	11.8	.2	-83.26	-63.3	-19.96	360	151	V
6	2869	-82.64	RMS	32.3	-28.7	-15.5	11.8	.3	-82.44	-61.3	-21.14	56	151	V

RMS - RMS detection

*Note: Test was performed with a low-pass filter with cutoff frequency at 6 GHz to surpress CH5 fundamental signal.

ANT. 0, CH9, CONFIG 3



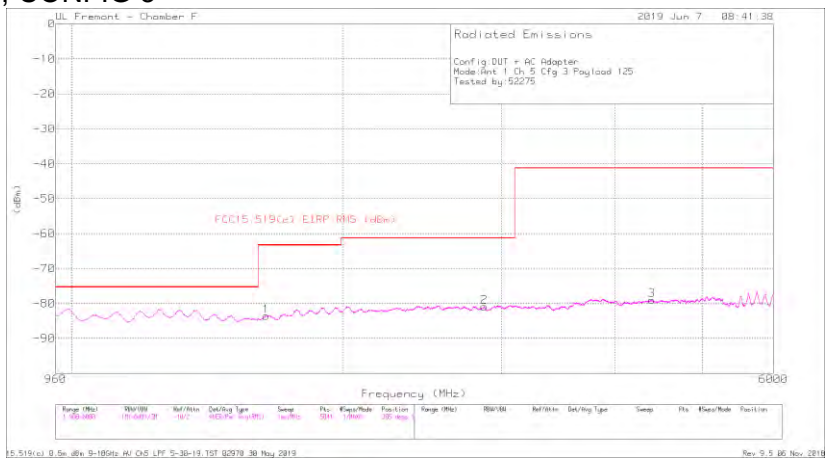
Trace Markers

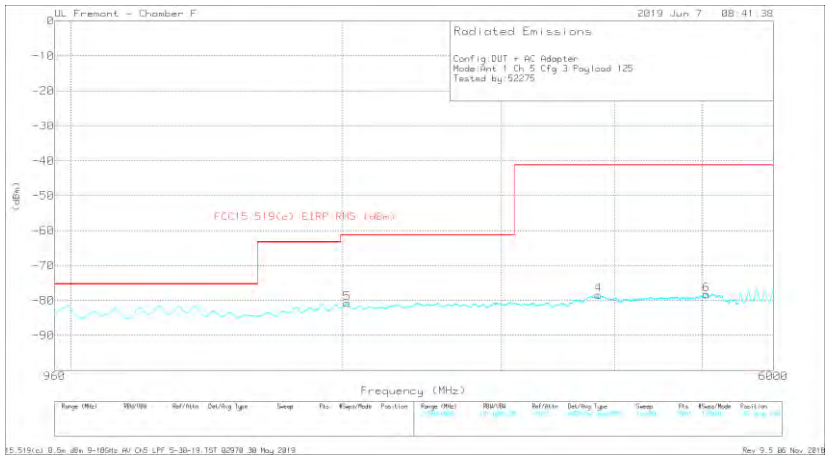
Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9_LPF (dB)	EIRP (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1634	-81.36	RMS	28.4	-30.1	-15.5	11.8	.3	-86.46	-63.3	-23.16	85	150	H
2	1259.5	-80.75	RMS	28.8	-30.1	-15.5	11.8	.3	-85.45	-75.3	-10.15	41	150	H
3	1491	-81.06	RMS	28.1	-30	-15.5	11.8	.3	-86.36	-75.3	-11.06	129	150	H
4	3840	-80.77	RMS	33.8	-28.7	-15.5	11.8	.3	-79.07	-41.3	-37.77	121	150	V
5	2314	-82.24	RMS	31.7	-29	-15.5	11.8	.3	-82.94	-61.3	-21.64	165	150	V
6	2260	-82.05	RMS	31.7	-29.5	-15.5	11.8	.3	-83.25	-61.3	-21.95	165	150	V

RMS - RMS detection

*Note: Test was performed with a low-pass filter with cutoff frequency at 6 GHz to surpress CH9 fundamental signal.

ANT. 1, CH5, CONFIG 3





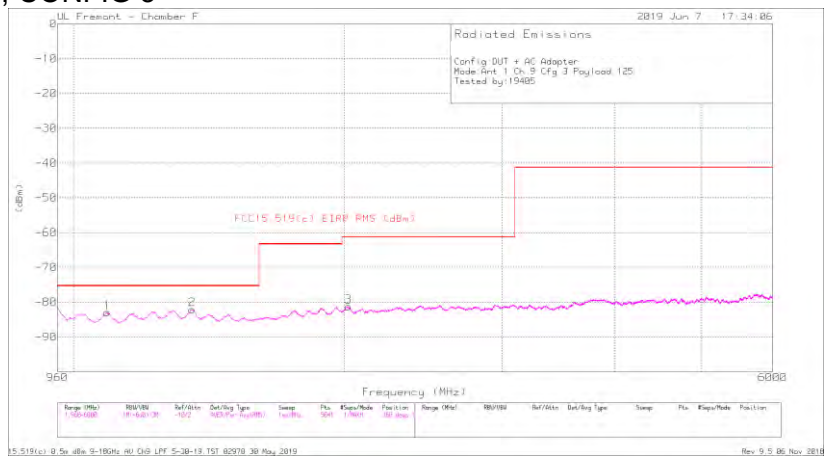
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH5_LPF (dB)	EIRP (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1644	-78.75	RMS	28.5	-29.9	-15.5	11.8	.3	-83.55	-63.3	-20.25	239	148	H
2	2868	-81.06	RMS	32.3	-28.7	-15.5	11.8	.3	-80.86	-61.3	-19.56	63	148	H
3	4395	-81.8	RMS	33.9	-27.9	-15.5	11.8	.5	-79	-41.3	-37.7	19	148	H
4	3840	-80.06	RMS	33.8	-28.7	-15.5	11.8	.3	-78.36	-41.3	-37.06	166	148	V
5	2024	-78.92	RMS	31.4	-29.7	-15.5	11.8	.2	-80.72	-61.3	-19.42	276	148	V
6	5055	-81.93	RMS	34.2	-27.9	-15.5	11.8	1.1	-78.23	-41.3	-36.93	77	148	V

RMS - RMS detection

*Note: Test was performed with a low-pass filter with cutoff frequency at 6 GHz to surpress CH5 fundamental signal.

ANT. 1, CH9, CONFIG 3



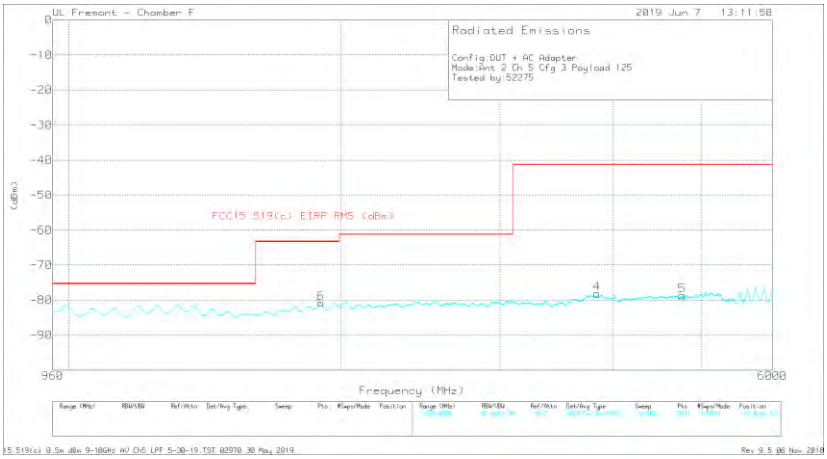
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9_LPF (dB)	EIRP (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1090	-76.18	RMS	27.5	-30.7	-15.5	11.8	.1	-82.98	-75.3	-7.68	360	151	H
2	1356	-77.74	RMS	29.3	-30.2	-15.5	11.8	.3	-82.04	-75.3	-6.74	360	151	H
3	2022	-79.39	RMS	31.4	-29.7	-15.5	11.8	.2	-81.19	-61.3	-19.89	360	151	H
4	1355	-76.22	RMS	29.3	-30.2	-15.5	11.8	.3	-80.52	-75.3	-5.22	319	151	V
5	1891	-77.99	RMS	30.7	-29.6	-15.5	11.8	.2	-80.39	-63.3	-17.09	319	151	V
6	2555	-79.07	RMS	32.3	-29.4	-15.5	11.8	.2	-79.67	-61.3	-18.37	319	151	V

RMS - RMS detection

*Note: Test was performed with a low-pass filter with cutoff frequency at 6 GHz to surpress CH9 fundamental signal.

ANT. 2, CH5, CONFIG 3



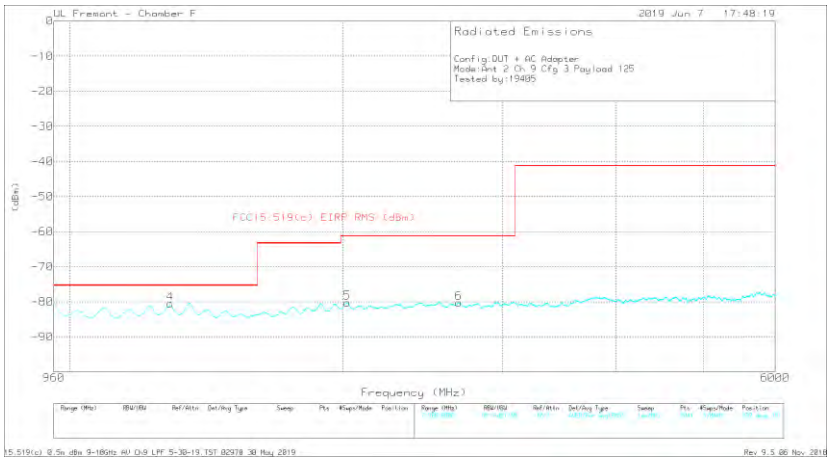
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH5_LPF (dB)	EIRP (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2480	-81.9	RMS	32.4	-29.1	-15.5	11.8	.3	-82	-61.3	-20.7	275	151	H
2	2138	-81.34	RMS	31.3	-29.6	-15.5	11.8	.2	-83.14	-61.3	-21.84	319	151	H
3	4016	-82.45	RMS	33.7	-28.3	-15.5	11.8	.7	-80.05	-41.3	-38.75	341	151	H
4	3840	-79.8	RMS	33.8	-28.7	-15.5	11.8	.3	-78.1	-41.3	-36.8	151	151	V
5	4770	-81.99	RMS	34.1	-27.7	-15.5	11.8	.6	-78.69	-41.3	-37.39	327	151	V
6	1901	-78.26	RMS	30.6	-29.6	-15.5	11.8	.2	-80.76	-63.3	-17.46	305	151	V

RMS - RMS detection

*Note: Test was performed with a low-pass filter with cutoff frequency at 6 GHz to surpress CH5 fundamental signal.
Rev 9.5 06 Nov 2018

ANT. 2, CH9, CONFIG 3



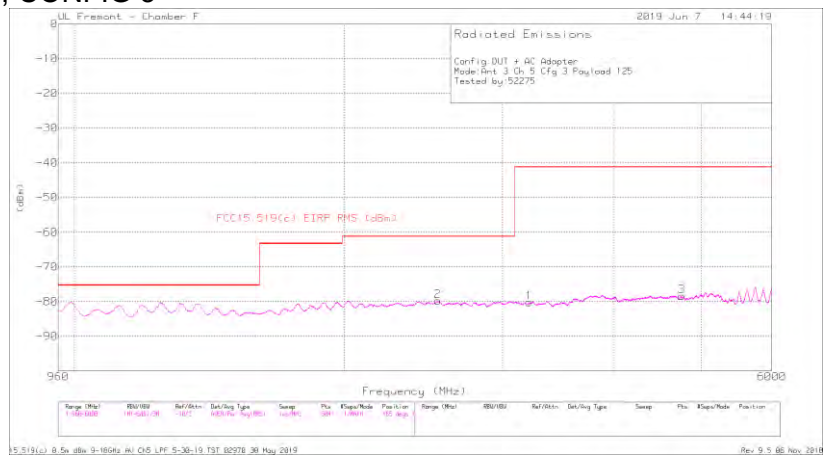
Trace Markers

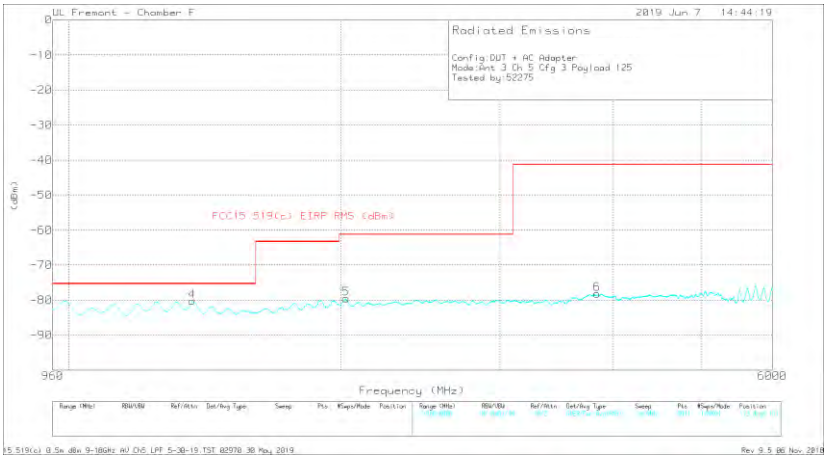
Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9_LPF (dB)	EIRP (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1355	-76.31	RMS	29.3	-30.2	-15.5	11.8	.3	-80.61	-75.3	-5.31	173	151	H
2	1889	-78.23	RMS	30.8	-29.5	-15.5	11.8	.2	-80.43	-63.3	-17.13	173	151	H
3	2548	-79.49	RMS	32.3	-29.4	-15.5	11.8	.2	-80.09	-61.3	-18.79	173	151	H
4	1291	-80.84	RMS	29	-30.1	-15.5	11.8	.2	-85.44	-75.3	-10.14	231	151	V
5	2023	-78.42	RMS	31.4	-29.7	-15.5	11.8	.2	-80.22	-61.3	-18.92	77	151	V
6	2684	-80.05	RMS	32.4	-29.2	-15.5	11.8	.3	-80.25	-61.3	-18.95	99	151	V

RMS - RMS detection

*Note: Test was performed with a low-pass filter with cutoff frequency at 6 GHz to surpress CH9 fundamental signal.

ANT. 3, CH5, CONFIG 3





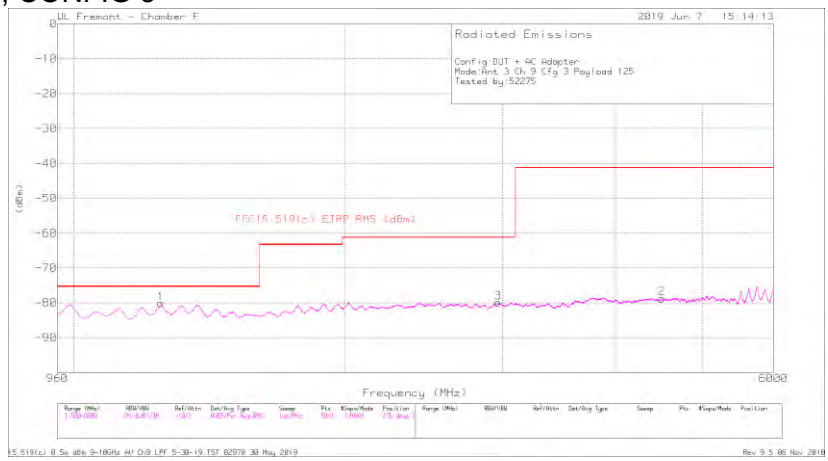
Trace Markers

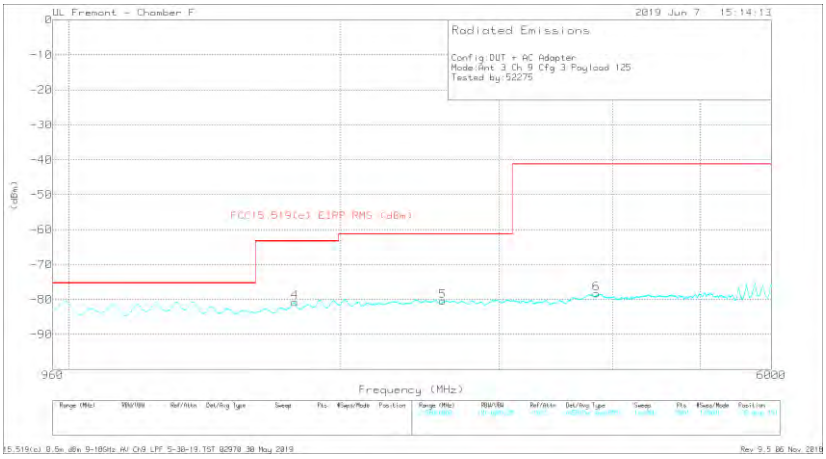
Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH5_LPF (dB)	EIRP (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3216	-80.69	RMS	32.8	-29	-15.5	11.8	.3	-80.29	-41.3	-38.99	33	151	H
2	2546	-79.4	RMS	32.3	-29.3	-15.5	11.8	.3	-79.8	-61.3	-18.5	55	151	H
3	4759	-81.63	RMS	34.1	-27.9	-15.5	11.8	.7	-78.43	-41.3	-37.13	297	151	H
4	1369	-75.95	RMS	29.4	-30.2	-15.5	11.8	.2	-80.25	-75.3	-4.95	173	151	V
5	2026	-77.72	RMS	31.4	-29.7	-15.5	11.8	.2	-79.52	-61.3	-18.22	151	151	V
6	3840	-79.89	RMS	33.8	-28.7	-15.5	11.8	.3	-78.19	-41.3	-36.89	151	151	V

RMS - RMS detection

*Note: Test was performed with a low-pass filter with cutoff frequency at 6 GHz to surpress CH5 fundamental signal.

ANT. 3, CH9, CONFIG 3





Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9_LPF (dB)	EIRP (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1250	-75.14	RMS	28.7	-30.2	-15.5	11.8	.2	-80.14	-75.3	-4.84	341	151	H
2	4507	-81.01	RMS	34.1	-28.5	-15.5	11.8	.4	-78.71	-41.3	-37.41	341	151	H
3	2962	-80.55	RMS	32.9	-29	-15.5	11.8	.4	-79.95	-61.3	-18.65	360	151	H
4	1780	-77.2	RMS	30	-30	-15.5	11.8	.2	-80.7	-63.3	-17.4	239	151	V
5	2595	-80.01	RMS	32.4	-29.3	-15.5	11.8	.2	-80.41	-61.3	-19.11	305	151	V
6	3840	-79.96	RMS	33.8	-28.7	-15.5	11.8	.3	-78.26	-41.3	-36.96	150	151	V

RMS - RMS detection

*Note: Test was performed with a low-pass filter with cutoff frequency at 6 GHz to surpress CH9 fundamental signal.

8.4.4. AVERAGE EMISSIONS, 9 – 18 GHz

ANT. 0, CH5, CONFIG 3

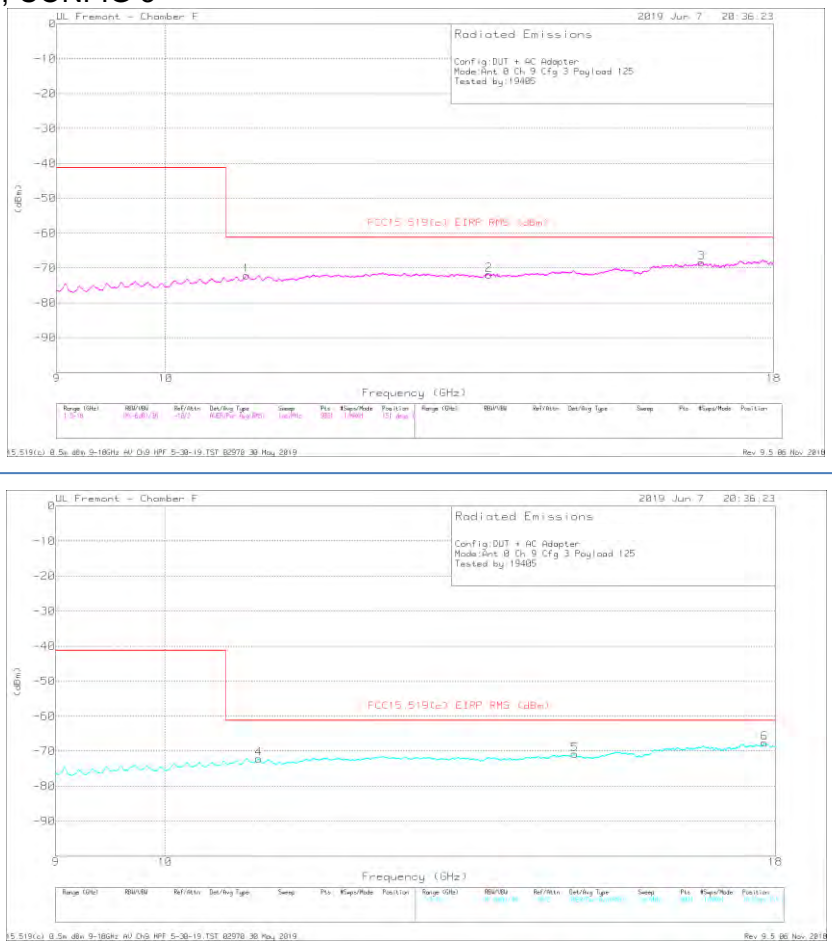
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH5_HPF (dB)	EIRP (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	11.466	-84.72	RMS	38.2	-22.4	-15.5	11.8	.6	-72.02	-61.3	-10.72	41	151	H
2	15.447	-83.93	RMS	40.4	-23.6	-15.5	11.8	.6	-70.23	-61.3	-8.93	19	151	H
3	17.807	-85.59	RMS	41.3	-20.3	-15.5	11.8	.6	-67.69	-61.3	-6.39	196	151	H
4	12.291	-84.46	RMS	39.2	-23.1	-15.5	11.8	.7	-71.36	-61.3	-10.06	297	151	V
5	13.733	-83.15	RMS	38.6	-23.9	-15.5	11.8	.6	-71.55	-61.3	-10.25	165	151	V
6	17.44	-85.73	RMS	41.5	-20.6	-15.5	11.8	.6	-67.93	-61.3	-6.63	342	151	V

RMS - RMS detection

*Note: Test was performed with a high-pass filter with pass-band frequency starting at 9 GHz to surpress CH5 fundamental signal.

ANT. 0, CH9, CONFIG 3



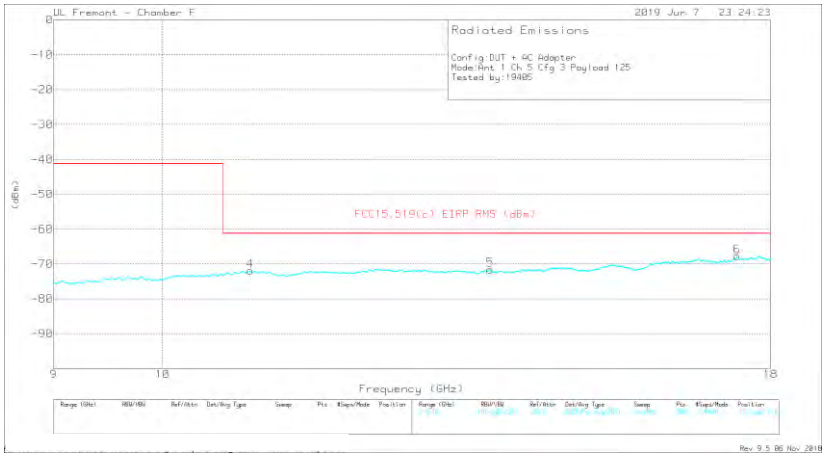
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9_HPF (dB)	EIRP (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	10.813	-84.21	RMS	38	-22.2	-15.5	11.8	0	-72.11	-61.3	-10.81	151	151	H
2	13.671	-83.08	RMS	38.6	-24.2	-15.5	11.8	.5	-71.88	-61.3	-10.58	173	151	H
3	16.791	-85.74	RMS	41.9	-21.3	-15.5	11.8	.4	-68.44	-61.3	-7.14	217	151	H
4	10.942	-83.97	RMS	38	-22.5	-15.5	11.8	0	-72.17	-61.3	-10.87	55	151	V
5	14.837	-83.52	RMS	39.7	-24	-15.5	11.8	.7	-70.82	-61.3	-9.52	165	151	V
6	17.812	-85.31	RMS	41.4	-20.4	-15.5	11.8	.4	-67.61	-61.3	-6.31	253	151	V

RMS - RMS detection

*Note: Test was performed with a high-pass filter with pass-band frequency starting at 9 GHz to surpress CH9 fundamental signal.

ANT. 1, CH5, CONFIG 3



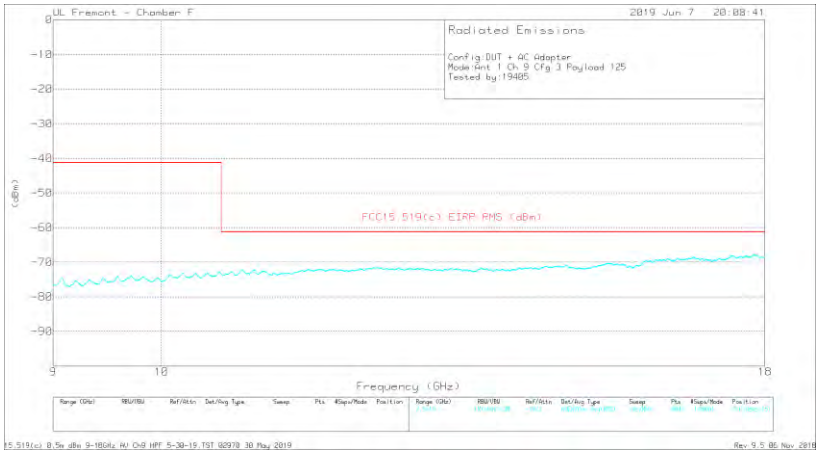
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH5_HPF (dB)	EIRP (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	10.806	-84.88	RMS	38	-22	-15.5	11.8	.6	-71.98	-61.3	-10.68	151	151	H
2	12.895	-84.37	RMS	39.3	-23.6	-15.5	11.8	.6	-71.77	-61.3	-10.47	195	151	H
3	17.819	-85.63	RMS	41.4	-20.5	-15.5	11.8	.6	-67.83	-61.3	-6.53	173	151	H
4	10.885	-84.6	RMS	38	-22.3	-15.5	11.8	.7	-71.9	-61.3	-10.6	319	151	V
5	13.725	-83.24	RMS	38.5	-23.9	-15.5	11.8	.7	-71.64	-61.3	-10.34	297	151	V
6	17.428	-85.64	RMS	41.5	-20.5	-15.5	11.8	.6	-67.74	-61.3	-6.44	77	151	V

RMS - RMS detection

*Note: Test was performed with a high-pass filter with pass-band frequency starting at 9 GHz to surpress CH5 fundamental signal.

ANT. 1, CH9, CONFIG 3



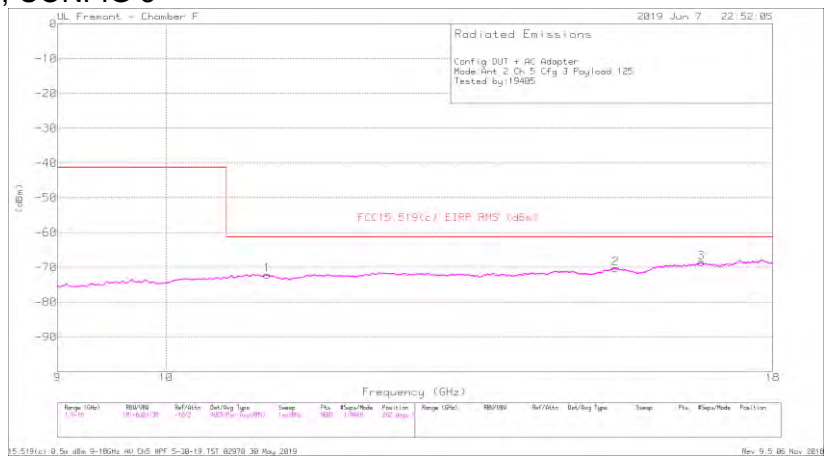
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9_HPF (dB)	EIRP (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	10.824	-84.01	RMS	37.9	-22.4	-15.5	11.8	0	-72.21	-61.3	-10.91	283	151	H
2	13.686	-82.86	RMS	38.6	-24.1	-15.5	11.8	.4	-71.66	-61.3	-10.36	283	151	H
3	17.823	-84.83	RMS	41.3	-20.6	-15.5	11.8	.4	-67.43	-61.3	-6.13	327	151	H
4	10.953	-84.02	RMS	38	-22.4	-15.5	11.8	0	-72.12	-61.3	-10.82	261	151	H
5	14.838	-83.57	RMS	39.7	-24	-15.5	11.8	.8	-70.77	-61.3	-9.47	86	151	H
6	17.431	-85.62	RMS	41.5	-20.5	-15.5	11.8	.4	-67.92	-61.3	-6.62	63	151	H

RMS - RMS detection

*Note: Test was performed with a high-pass filter with pass-band frequency starting at 9 GHz to surpress CH9 fundamental signal.

ANT. 2, CH5, CONFIG 3



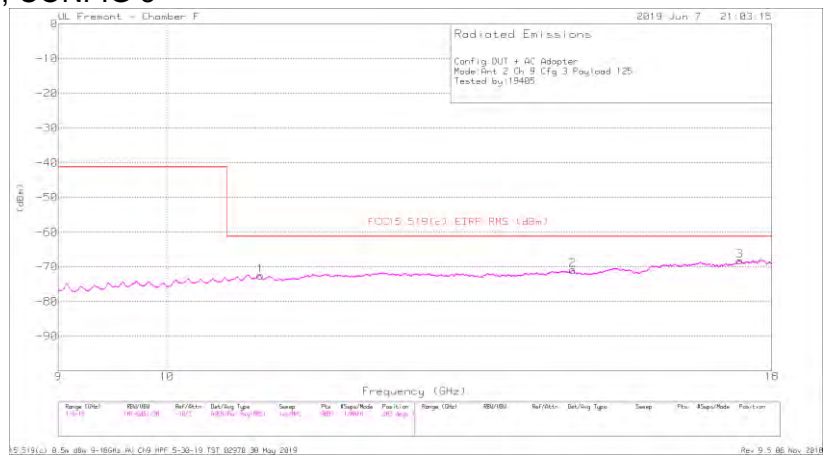
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH5_HPF (dB)	EIRP (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	11.03	-84.81	RMS	38	-22.2	-15.5	11.8	.6	-72.11	-61.3	-10.81	239	151	H
2	15.459	-83.92	RMS	40.4	-23.7	-15.5	11.8	.6	-70.32	-61.3	-9.02	19	151	H
3	16.799	-85.92	RMS	41.9	-21.4	-15.5	11.8	.6	-68.52	-61.3	-7.22	63	151	H
4	11.471	-84.78	RMS	38.2	-22.4	-15.5	11.8	.6	-72.08	-61.3	-10.78	342	151	V
5	13.6	-82.87	RMS	38.7	-24.4	-15.5	11.8	.6	-71.67	-61.3	-10.37	360	151	V
6	17.422	-85.86	RMS	41.5	-20.6	-15.5	11.8	.7	-67.96	-61.3	-6.66	33	151	V

RMS - RMS detection

*Note: Test was performed with a high-pass filter with pass-band frequency starting at 9 GHz to surpress CH5 fundamental signal.

ANT. 2, CH9, CONFIG 3



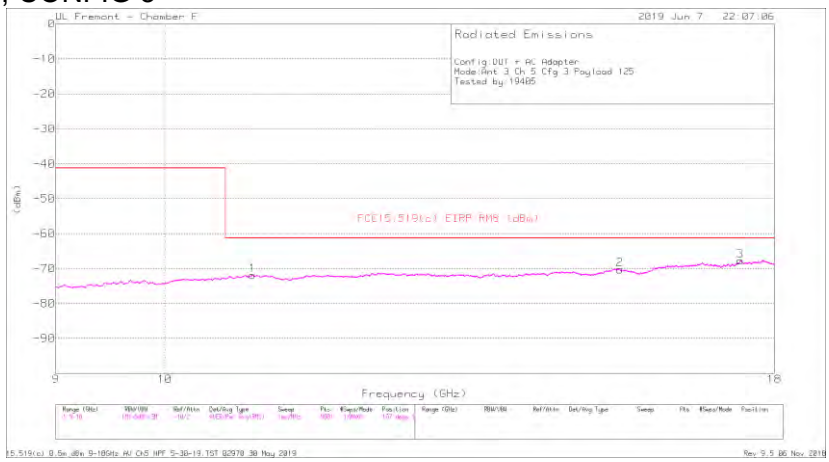
Trace Markers

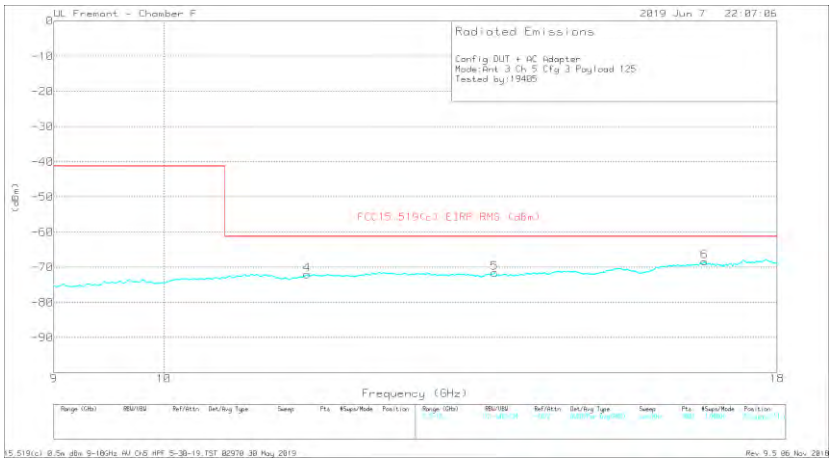
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9_HPF (dB)	EIRP (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	10.953	-84.43	RMS	38	-22.4	-15.5	11.8	0	-72.53	-61.3	-11.23	41	151	H
2	14.834	-83.56	RMS	39.7	-24	-15.5	11.8	.7	-70.86	-61.3	-9.56	18	151	H
3	17.448	-85.64	RMS	41.5	-20.8	-15.5	11.8	.4	-68.24	-61.3	-6.94	63	151	H
4	10.822	-84.04	RMS	37.9	-22.4	-15.5	11.8	0	-72.24	-61.3	-10.94	253	151	V
5	13.663	-83.07	RMS	38.7	-24.2	-15.5	11.8	.6	-71.67	-61.3	-10.37	165	151	V
6	16.799	-85.77	RMS	41.9	-21.4	-15.5	11.8	.4	-68.57	-61.3	-7.27	77	151	V

RMS - RMS detection

*Note: Test was performed with a high-pass filter with pass-band frequency starting at 9 GHz to surpress CH9 fundamental signal.

ANT. 3, CH5, CONFIG 3





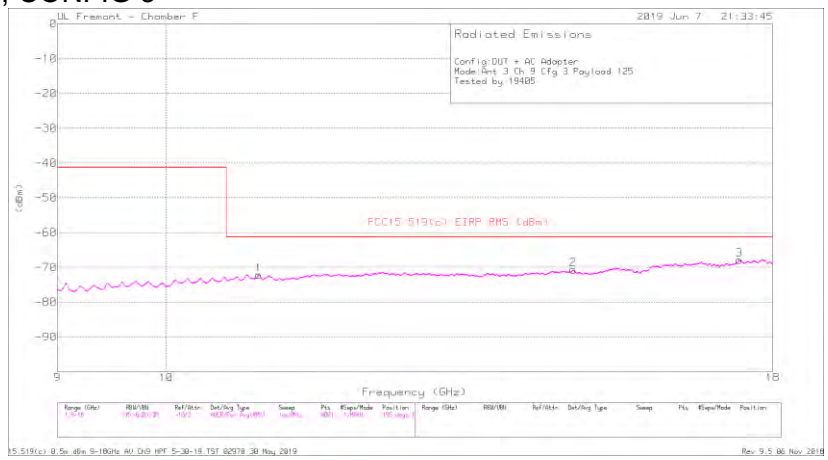
Trace Markers

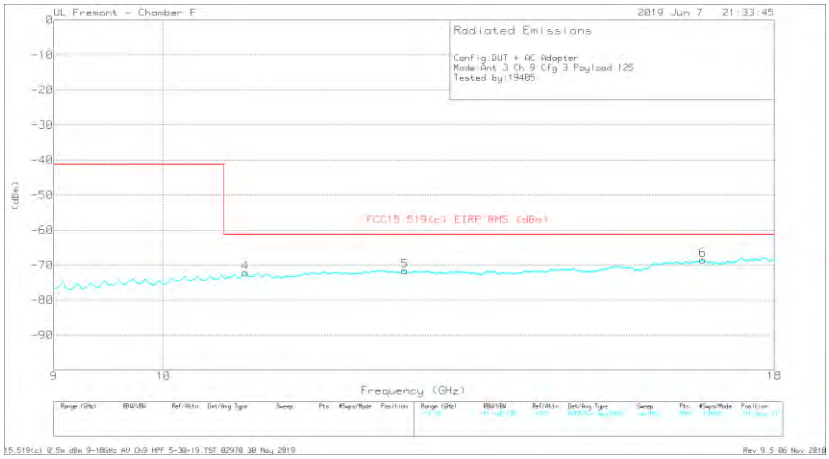
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH5_HPF (dB)	EIRP (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	10.88	-84.6	RMS	38	-22.3	-15.5	11.8	.7	-71.9	-61.3	-10.6	107	151	H
2	15.506	-84.16	RMS	40.4	-23.5	-15.5	11.8	.7	-70.26	-61.3	-8.96	261	151	H
3	17.42	-85.68	RMS	41.5	-20.6	-15.5	11.8	.7	-67.78	-61.3	-6.48	305	151	H
4	11.471	-84.73	RMS	38.2	-22.4	-15.5	11.8	.6	-72.03	-61.3	-10.73	342	151	V
5	13.729	-83.24	RMS	38.6	-23.9	-15.5	11.8	.7	-71.54	-61.3	-10.24	360	151	V
6	16.79	-85.81	RMS	41.9	-21.3	-15.5	11.8	.6	-68.31	-61.3	-7.01	360	151	V

RMS - RMS detection

*Note: Test was performed with a high-pass filter with pass-band frequency starting at 9 GHz to surpress CH5 fundamental signal.

ANT. 3, CH9, CONFIG 3





Trace Markers

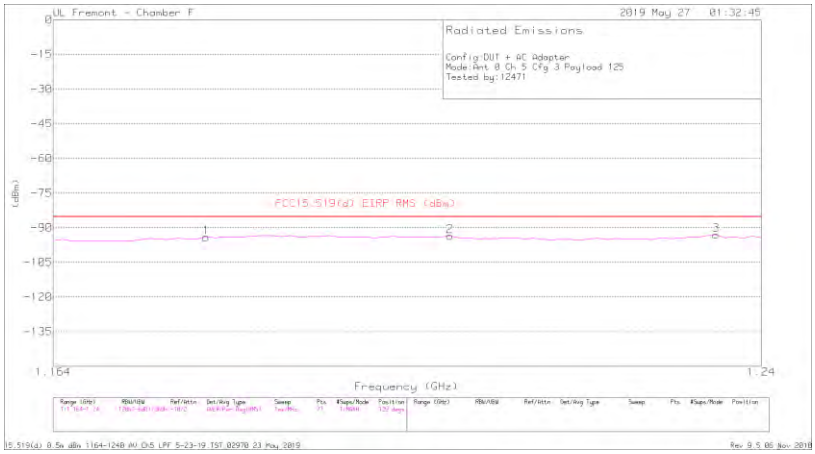
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9_HPF (dB)	EIRP (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	10.938	-84	RMS	38	-22.5	-15.5	11.8	0	-72.2	-61.3	-10.9	19	151	H
2	14.835	-83.32	RMS	39.7	-24	-15.5	11.8	.7	-70.62	-61.3	-9.32	107	151	H
3	17.425	-85.41	RMS	41.5	-20.6	-15.5	11.8	.4	-67.81	-61.3	-6.51	86	151	H
4	10.823	-83.97	RMS	37.9	-22.4	-15.5	11.8	0	-72.17	-61.3	-10.87	209	151	V
5	12.616	-84.08	RMS	39.2	-23.4	-15.5	11.8	.4	-71.58	-61.3	-10.28	209	151	V
6	16.801	-85.65	RMS	41.9	-21.4	-15.5	11.8	.4	-68.45	-61.3	-7.15	122	151	V

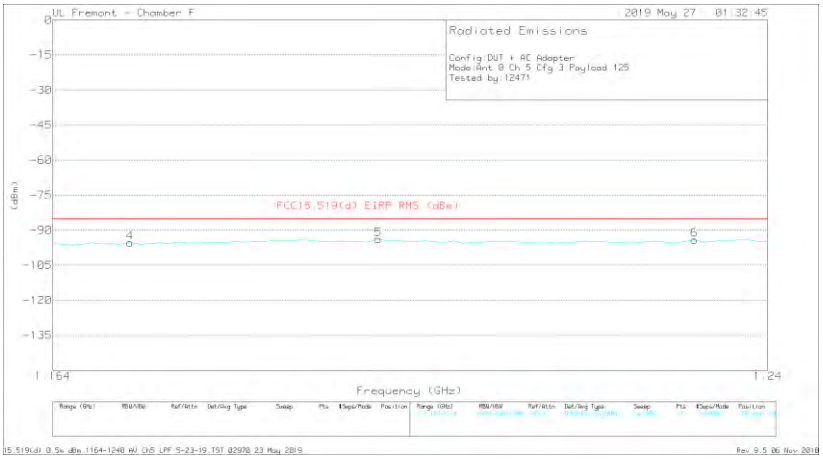
RMS - RMS detection

*Note: Test was performed with a high-pass filter with pass-band frequency starting at 9 GHz to surpress CH9 fundamental signal.

8.4.5. AVERAGE EMISSIONS, 1.164 – 1.240 GHz

ANT. 0, CH5, CONFIG 3



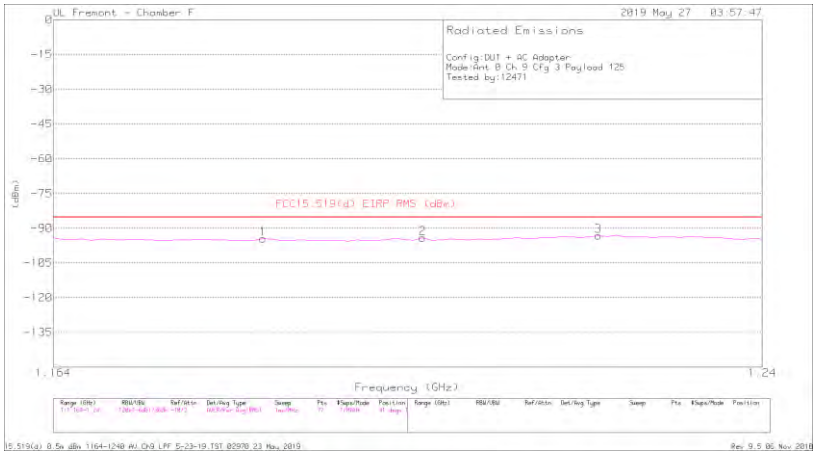


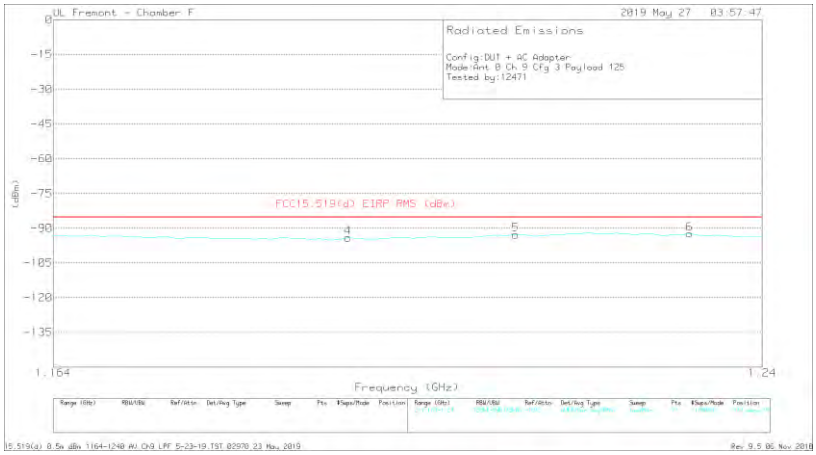
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH5 LP Filter	Corrected Reading (dBm)	FCC15.519(d) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.18	-87.99	RMS	27.9	-30.5	-15.5	11.8	.2	-94.09	-85.3	-8.79	19	150	H
2	1.206	-88.01	RMS	28.3	-30.4	-15.5	11.8	.2	-93.61	-85.3	-8.31	19	150	H
3	1.235	-87.94	RMS	28.7	-30.3	-15.5	11.8	.2	-93.04	-85.3	-7.74	19	150	H
4	1.172	-89.06	RMS	27.7	-30.5	-15.5	11.8	.2	-95.36	-85.3	-10.06	210	150	V
5	1.198	-88.16	RMS	28.3	-30.5	-15.5	11.8	.2	-93.86	-85.3	-8.56	360	150	V
6	1.232	-89.02	RMS	28.7	-30.3	-15.5	11.8	.2	-94.12	-85.3	-8.82	33	150	V

RMS - RMS detection

ANT. 0, CH9, CONFIG 3



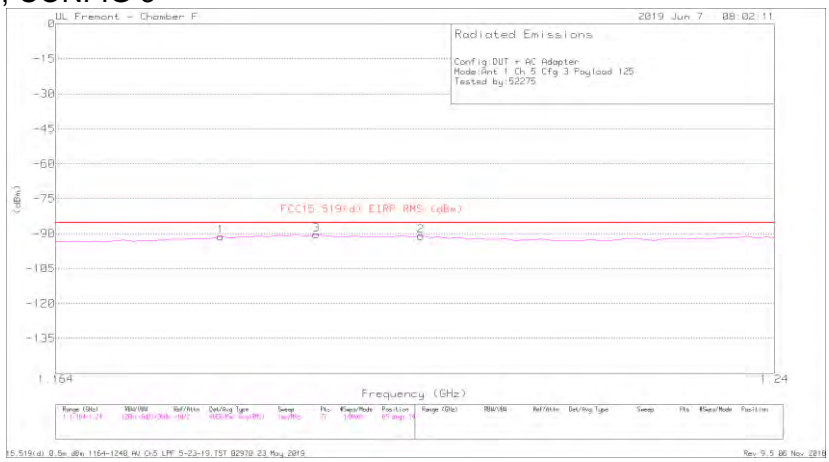


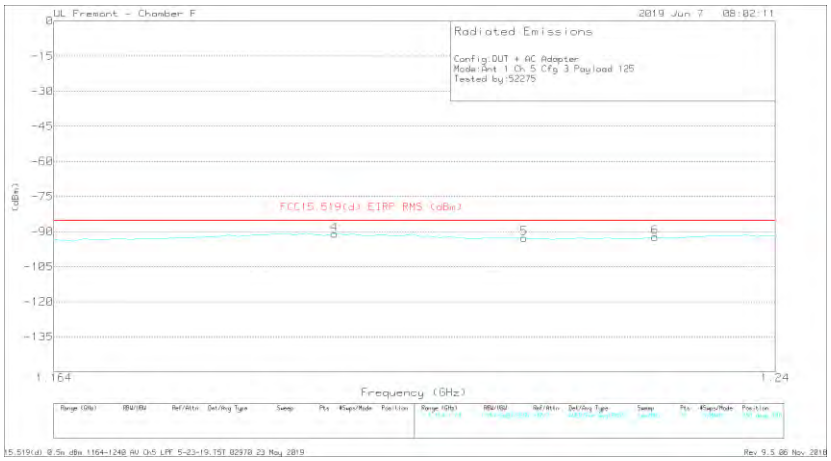
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9 LP Filter	Corrected Reading (dBm)	FCC15.519(d) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.186	-88.63	RMS	28	-30.4	-15.5	11.8	.2	-94.53	-85.3	-9.23	41	150	H
2	1.203	-88.55	RMS	28.3	-30.4	-15.5	11.8	.2	-94.15	-85.3	-8.85	0	150	H
3	1.222	-87.86	RMS	28.5	-30.4	-15.5	11.8	.2	-93.26	-85.3	-7.96	217	150	H
4	1.195	-88.2	RMS	28.1	-30.5	-15.5	11.8	.2	-94.1	-85.3	-8.8	275	150	V
5	1.213	-87.31	RMS	28.4	-30.4	-15.5	11.8	.2	-92.81	-85.3	-7.51	210	150	V
6	1.232	-87.3	RMS	28.7	-30.3	-15.5	11.8	.2	-92.4	-85.3	-7.1	55	150	V

RMS - RMS detection

ANT. 1, CH5, CONFIG 3



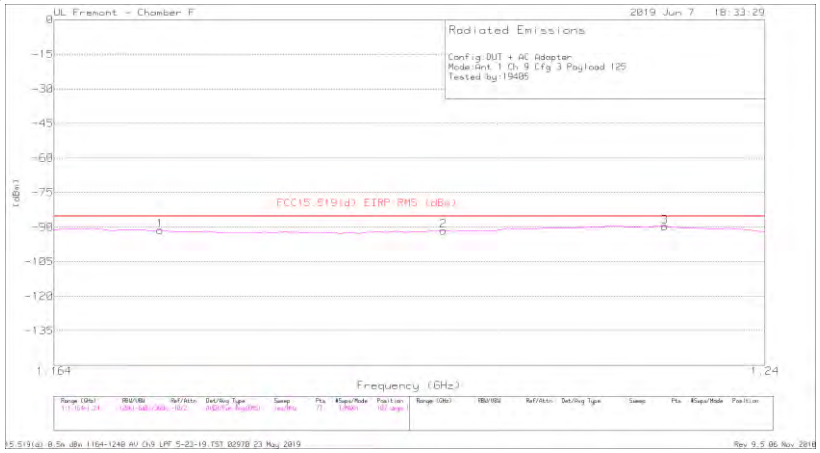


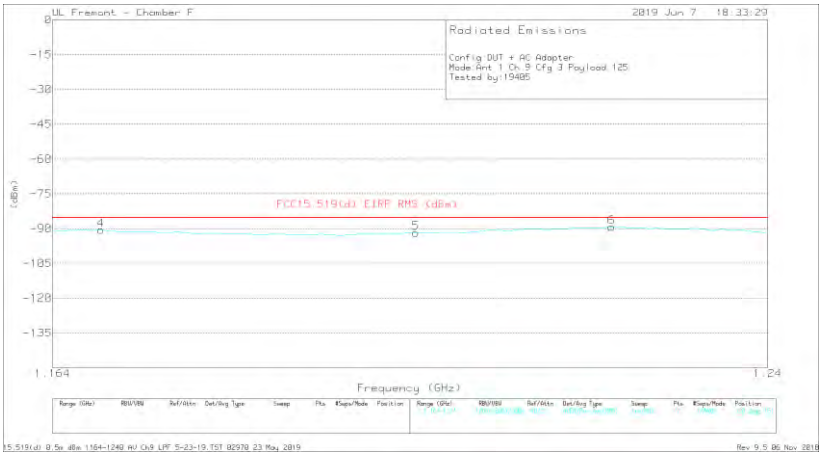
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH5 LP Filter	EIRP (dBm)	FCC15.519(d) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.181	-85.24	RMS	28	-30.5	-15.5	11.8	.2	-91.24	-85.3	-5.94	306	148	H
2	1.202	-85.42	RMS	28.3	-30.4	-15.5	11.8	.2	-91.02	-85.3	-5.72	19	148	H
3	1.191	-84.55	RMS	28.1	-30.5	-15.5	11.8	.2	-90.45	-85.3	-5.15	0	148	H
4	1.193	-85.08	RMS	28.1	-30.5	-15.5	11.8	.2	-90.98	-85.3	-5.68	297	148	V
5	1.213	-87.25	RMS	28.4	-30.4	-15.5	11.8	.2	-92.75	-85.3	-7.45	341	148	V
6	1.227	-87.03	RMS	28.6	-30.4	-15.5	11.8	.2	-92.33	-85.3	-7.03	187	148	V

RMS - RMS detection

ANT. 1, CH9, CONFIG 3



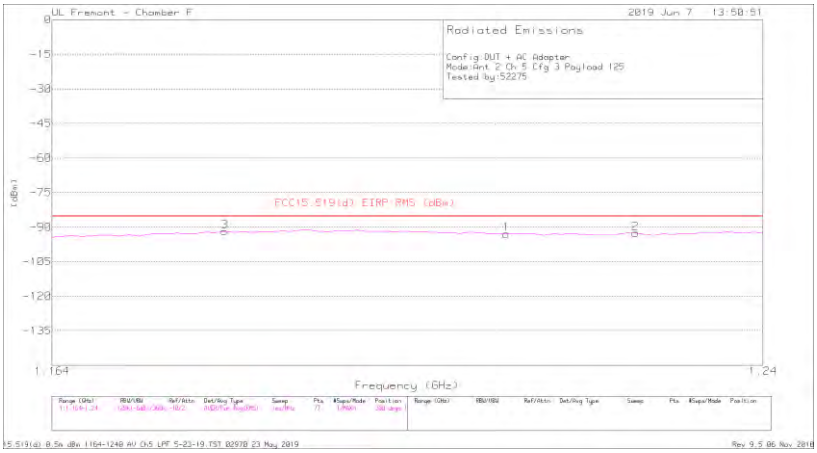


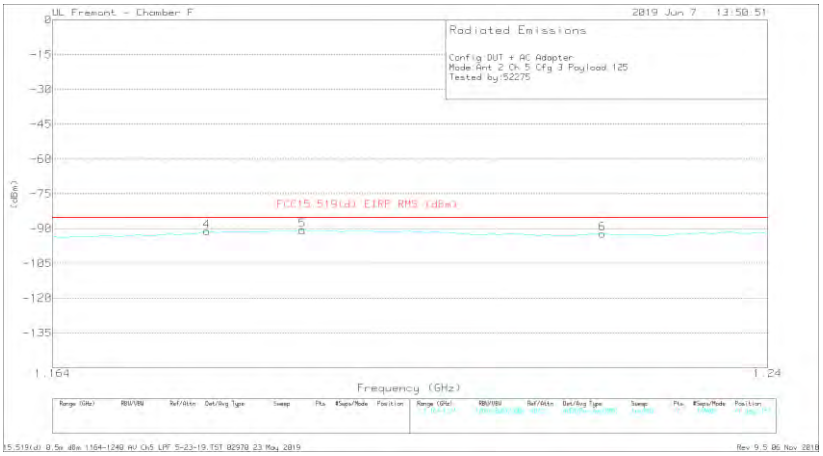
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9 LP Filter	EIRP (dBm)	FCC15.519(d) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.175	-85.03	RMS	27.7	-30.5	-15.5	11.8	.2	-91.33	-85.3	-6.03	239	151	H
2	1.205	-85.97	RMS	28.3	-30.4	-15.5	11.8	.2	-91.57	-85.3	-6.27	129	151	H
3	1.229	-84.35	RMS	28.6	-30.4	-15.5	11.8	.2	-89.65	-85.3	-4.35	305	151	H
4	1.169	-84.29	RMS	27.7	-30.5	-15.5	11.8	.2	-90.59	-85.3	-5.29	100	151	V
5	1.202	-86.21	RMS	28.3	-30.4	-15.5	11.8	.2	-91.81	-85.3	-6.51	275	151	V
6	1.223	-83.87	RMS	28.5	-30.4	-15.5	11.8	.2	-89.27	-85.3	-3.97	121	151	V

RMS - RMS detection

ANT. 2, CH5, CONFIG 3



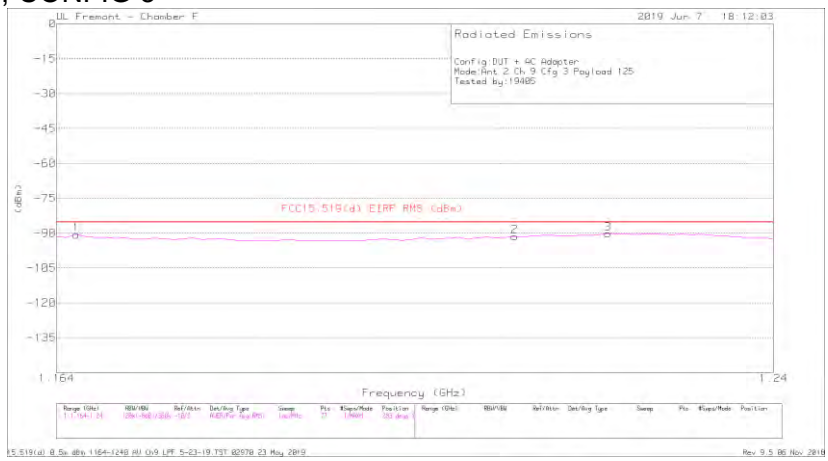


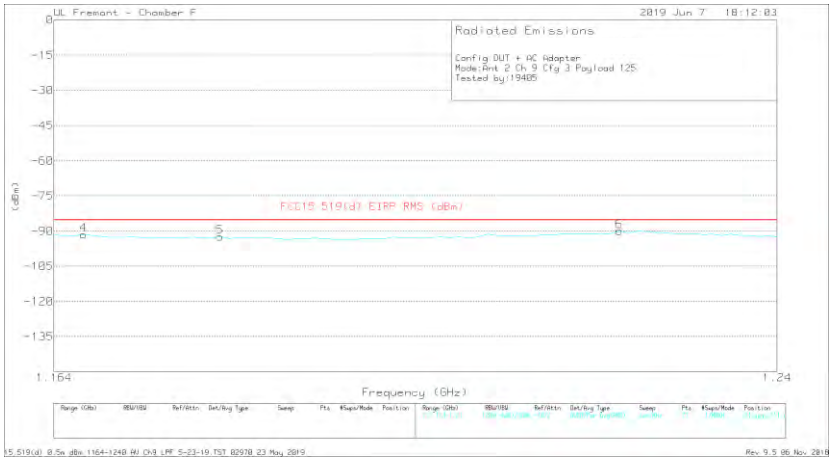
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH5 LP Filter	EIRP (dBm)	FCC15.519(d) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.212	-87.3	RMS	28.3	-30.4	-15.5	11.8	.2	-92.9	-85.3	-7.6	187	151	H
2	1.226	-87.31	RMS	28.6	-30.4	-15.5	11.8	.2	-92.61	-85.3	-7.31	187	151	H
3	1.182	-85.84	RMS	28	-30.5	-15.5	11.8	.2	-91.84	-85.3	-6.54	275	151	H
4	1.18	-85.1	RMS	27.9	-30.5	-15.5	11.8	.2	-91.2	-85.3	-5.9	217	151	V
5	1.19	-84.65	RMS	28	-30.5	-15.5	11.8	.2	-90.65	-85.3	-5.35	261	151	V
6	1.222	-86.75	RMS	28.5	-30.4	-15.5	11.8	.2	-92.15	-85.3	-6.85	174	151	V

RMS - RMS detection

ANT. 2, CH9, CONFIG 3



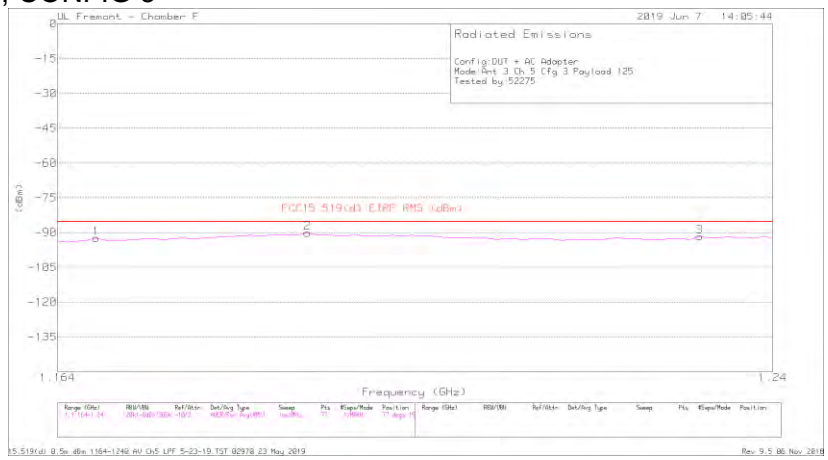


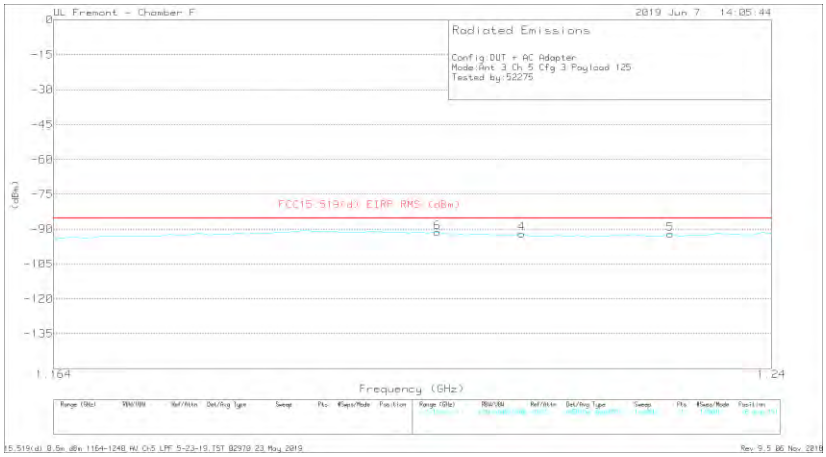
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9 LP Filter	EIRP (dBm)	FCC15.519(d) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.166	-84.35	RMS	27.7	-30.5	-15.5	11.8	.2	-90.65	-85.3	-5.35	63	151	H
2	1.212	-85.83	RMS	28.3	-30.4	-15.5	11.8	.2	-91.43	-85.3	-6.13	41	151	H
3	1.222	-84.81	RMS	28.5	-30.4	-15.5	11.8	.2	-90.21	-85.3	-4.91	305	151	H
4	1.167	-85.26	RMS	27.7	-30.5	-15.5	11.8	.2	-91.56	-85.3	-6.26	78	151	V
5	1.181	-86.42	RMS	28	-30.5	-15.5	11.8	.2	-92.42	-85.3	-7.12	319	151	V
6	1.223	-84.56	RMS	28.5	-30.4	-15.5	11.8	.2	-89.96	-85.3	-4.66	34	151	V

RMS - RMS detection

ANT. 3, CH5, CONFIG 3



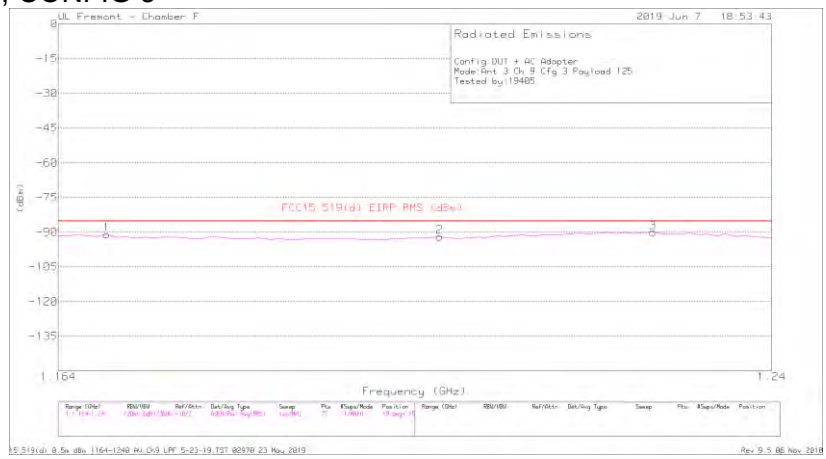


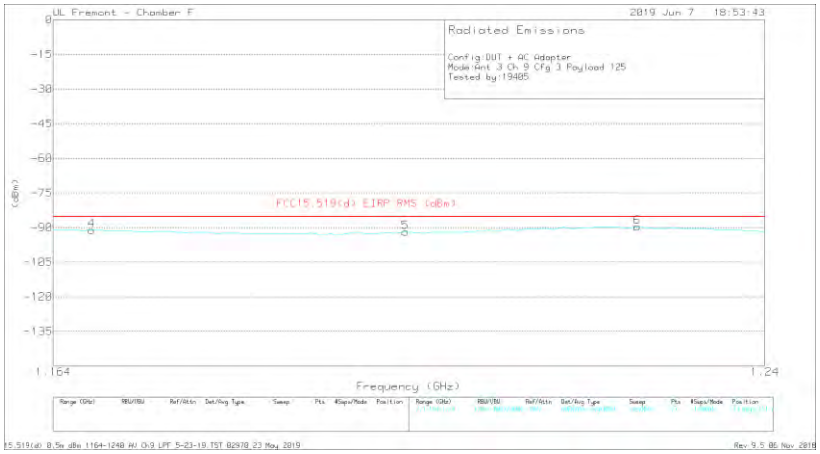
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH5 LP Filter	EIRP (dBm)	FCC15.519(d) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.168	-86.12	RMS	27.7	-30.5	-15.5	11.8	.2	-92.42	-85.3	-7.12	231	151	H
2	1.19	-84.13	RMS	28	-30.5	-15.5	11.8	.2	-90.13	-85.3	-4.83	231	151	H
3	1.232	-86.61	RMS	28.7	-30.3	-15.5	11.8	.2	-91.71	-85.3	-6.41	144	151	H
4	1.213	-86.47	RMS	28.4	-30.4	-15.5	11.8	.2	-91.97	-85.3	-6.67	305	151	V
5	1.229	-86.76	RMS	28.6	-30.4	-15.5	11.8	.2	-92.06	-85.3	-6.76	0	151	V
6	1.204	-85.77	RMS	28.3	-30.4	-15.5	11.8	.2	-91.37	-85.3	-6.07	19	151	V

RMS - RMS detection

ANT. 3, CH9, CONFIG 3





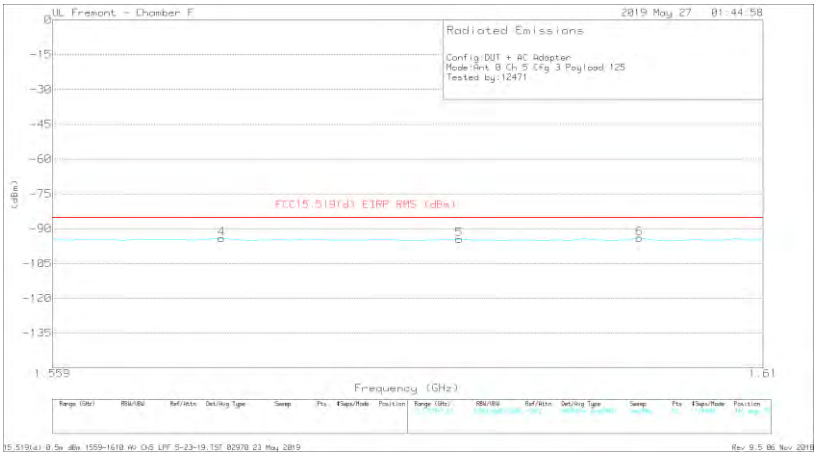
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9 LP Filter	EIRP (dBm)	FCC15.519(d) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.169	-84.63	RMS	27.7	-30.5	-15.5	11.8	.2	-90.93	-85.3	-5.63	63	151	H
2	1.204	-86.41	RMS	28.3	-30.4	-15.5	11.8	.2	-92.01	-85.3	-6.71	0	151	H
3	1.227	-84.79	RMS	28.6	-30.4	-15.5	11.8	.2	-90.09	-85.3	-4.79	63	151	H
4	1.168	-84.82	RMS	27.7	-30.5	-15.5	11.8	.2	-91.12	-85.3	-5.82	209	151	V
5	1.201	-86.2	RMS	28.3	-30.5	-15.5	11.8	.2	-91.9	-85.3	-6.6	77	151	V
6	1.226	-84.34	RMS	28.6	-30.4	-15.5	11.8	.2	-89.64	-85.3	-4.34	297	151	V

RMS - RMS detection

8.4.6. AVERAGE EMISSIONS, 1.559 – 1.610 GHz

ANT. 0, CH5, CONFIG 3

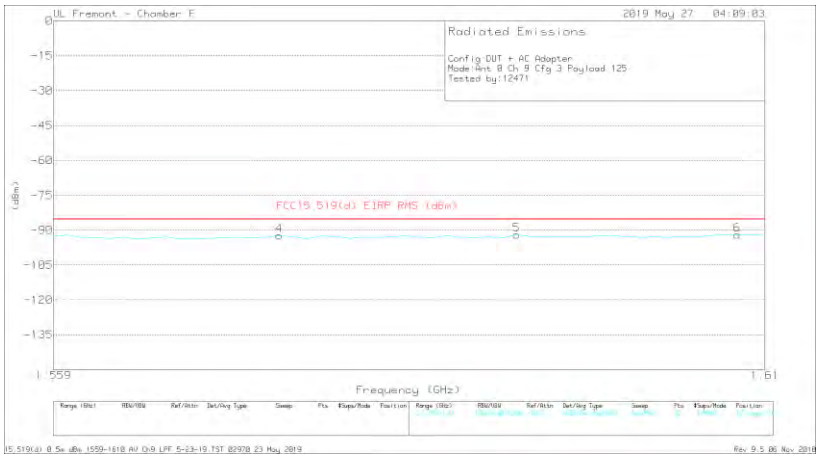


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH5 LP Filter	Corrected Reading (dBm)	FCC15.519(d) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.566	-90.13	RMS	28	-30.1	-15.5	11.8	.2	-95.73	-85.3	-10.43	0	150	H
2	1.589	-89.85	RMS	28.1	-30.2	-15.5	11.8	.2	-95.45	-85.3	-10.15	85	150	H
3	1.605	-89.8	RMS	28	-30.2	-15.5	11.8	.2	-95.5	-85.3	-10.2	85	150	H
4	1.571	-88.67	RMS	28.1	-30.1	-15.5	11.8	.2	-94.17	-85.3	-8.87	360	150	V
5	1.588	-88.89	RMS	28.1	-30.2	-15.5	11.8	.2	-94.49	-85.3	-9.19	360	150	V
6	1.601	-88.45	RMS	28.1	-30.2	-15.5	11.8	.2	-94.05	-85.3	-8.75	275	150	V

RMS - RMS detection

ANT. 0, CH9, CONFIG 3

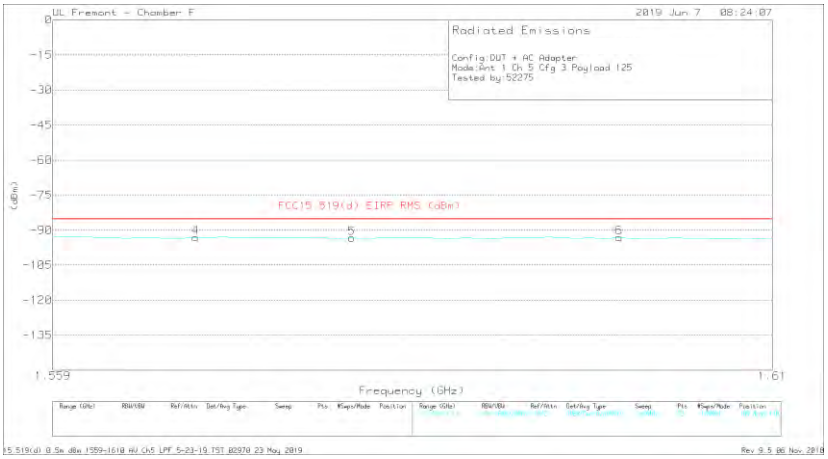


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9 LP Filter	Corrected Reading (dBm)	FCC15.519(d) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.56	-87.07	RMS	28	-30	-15.5	11.8	.3	-92.47	-85.3	-7.17	0	150	H
2	1.585	-87.6	RMS	28.1	-30.1	-15.5	11.8	.3	-93	-85.3	-7.7	0	150	H
3	1.605	-87.21	RMS	28	-30.2	-15.5	11.8	.3	-92.81	-85.3	-7.51	0	150	H
4	1.575	-86.8	RMS	28.1	-30.2	-15.5	11.8	.3	-92.3	-85.3	-7	187	150	V
5	1.592	-86.43	RMS	28.1	-30.2	-15.5	11.8	.3	-91.93	-85.3	-6.63	187	150	V
6	1.608	-86.42	RMS	28.1	-30.2	-15.5	11.8	.3	-91.92	-85.3	-6.62	187	150	V

RMS - RMS detection

ANT. 1, CH5, CONFIG 3

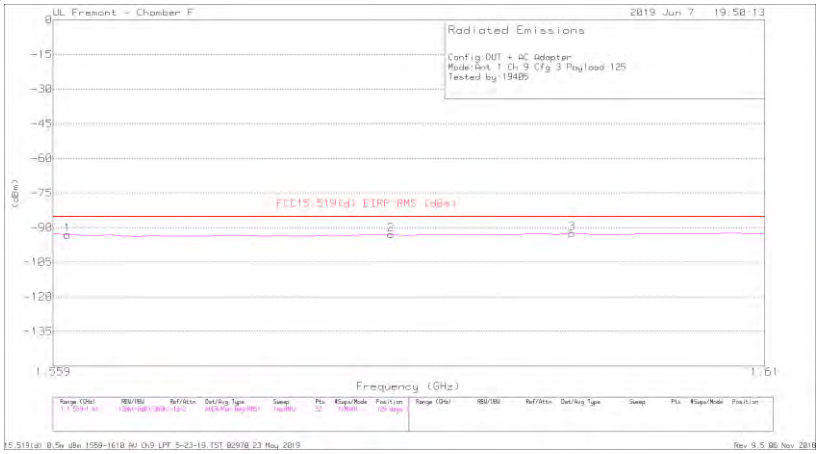


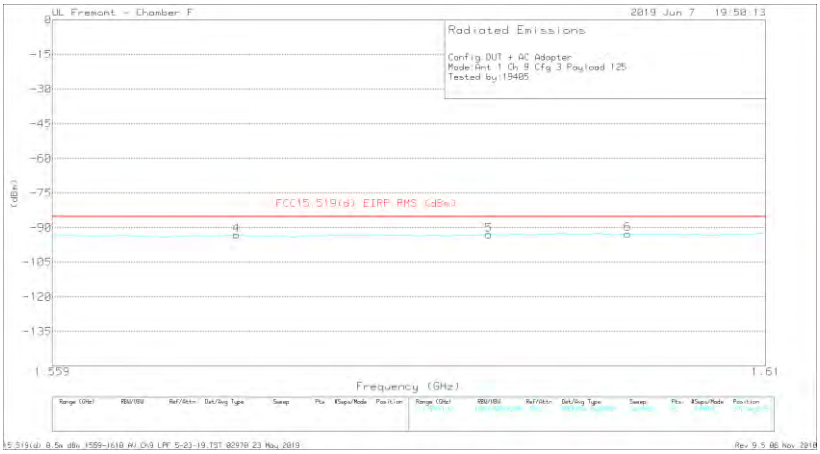
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH5 LP Filter	EIRP (dBm)	FCC15.519(d) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.566	-87.1	RMS	28	-30.1	-15.5	11.8	.2	-92.7	-85.3	-7.4	328	148	H
2	1.59	-87.84	RMS	28.1	-30.2	-15.5	11.8	.2	-93.44	-85.3	-8.14	328	148	H
3	1.604	-87.81	RMS	28	-30.2	-15.5	11.8	.2	-93.51	-85.3	-8.21	173	148	H
4	1.569	-87.51	RMS	28	-30.1	-15.5	11.8	.2	-93.11	-85.3	-7.81	320	148	V
5	1.58	-87.73	RMS	28	-30.1	-15.5	11.8	.2	-93.33	-85.3	-8.03	342	148	V
6	1.599	-87.48	RMS	28.1	-30.2	-15.5	11.8	.2	-93.08	-85.3	-7.78	165	148	V

RMS - RMS detection

ANT. 1, CH9, CONFIG 3



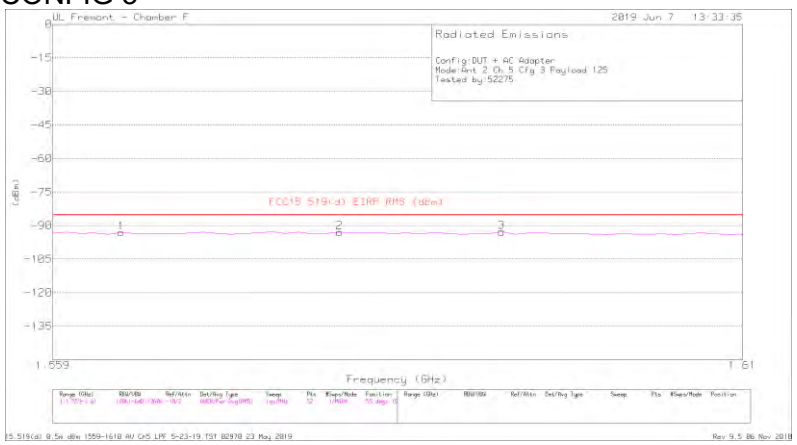


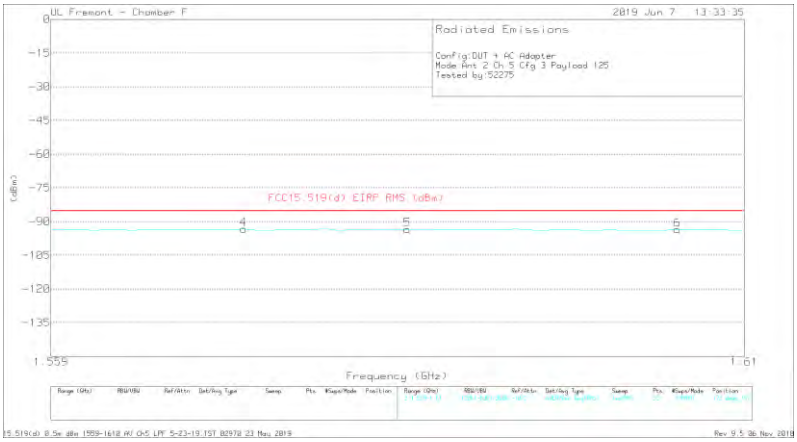
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9 LP Filter	EIRP (dBm)	FCC15.519(d) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.56	-87.66	RMS	28	-30	-15.5	11.8	.3	-93.06	-85.3	-7.76	107	151	H
2	1.583	-87.54	RMS	28	-30.1	-15.5	11.8	.3	-93.04	-85.3	-7.74	283	151	H
3	1.596	-86.87	RMS	28.1	-30.2	-15.5	11.8	.3	-92.37	-85.3	-7.07	152	151	H
4	1.572	-87.75	RMS	28.1	-30.1	-15.5	11.8	.3	-93.15	-85.3	-7.85	77	151	V
5	1.59	-87.49	RMS	28.1	-30.2	-15.5	11.8	.3	-92.99	-85.3	-7.69	121	151	V
6	1.6	-87.21	RMS	28.1	-30.2	-15.5	11.8	.3	-92.71	-85.3	-7.41	55	151	V

RMS - RMS detection

ANT. 2, CH5, CONFIG 3



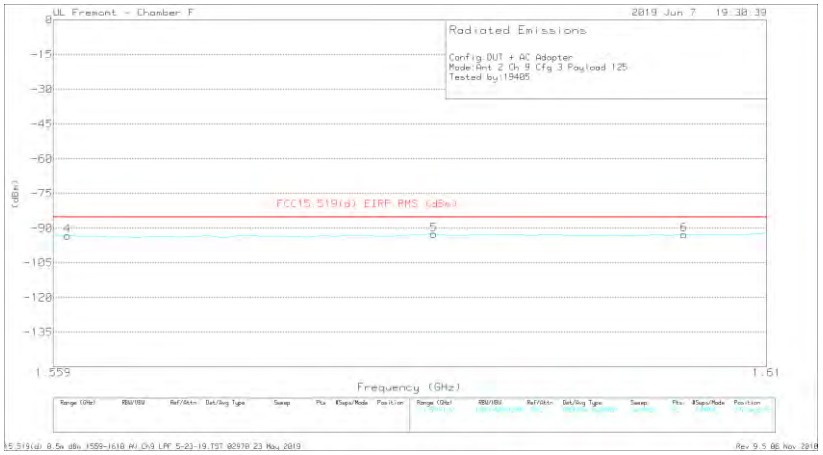


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH5 LP Filter	EIRP (dBm)	FCC15.519(d) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.564	-87.58	RMS	28	-30.1	-15.5	11.8	.2	-93.18	-85.3	-7.88	319	151	H
2	1.58	-87.33	RMS	28	-30.1	-15.5	11.8	.2	-92.93	-85.3	-7.63	99	151	H
3	1.592	-87.26	RMS	28.1	-30.2	-15.5	11.8	.2	-92.86	-85.3	-7.56	33	151	H
4	1.573	-87.8	RMS	28.1	-30.1	-15.5	11.8	.2	-93.3	-85.3	-8	107	151	V
5	1.585	-87.98	RMS	28.1	-30.1	-15.5	11.8	.2	-93.48	-85.3	-8.18	173	151	V
6	1.605	-87.82	RMS	28	-30.2	-15.5	11.8	.2	-93.52	-85.3	-8.22	0	151	V

RMS - RMS detection

ANT. 2, CH9, CONFIG 3

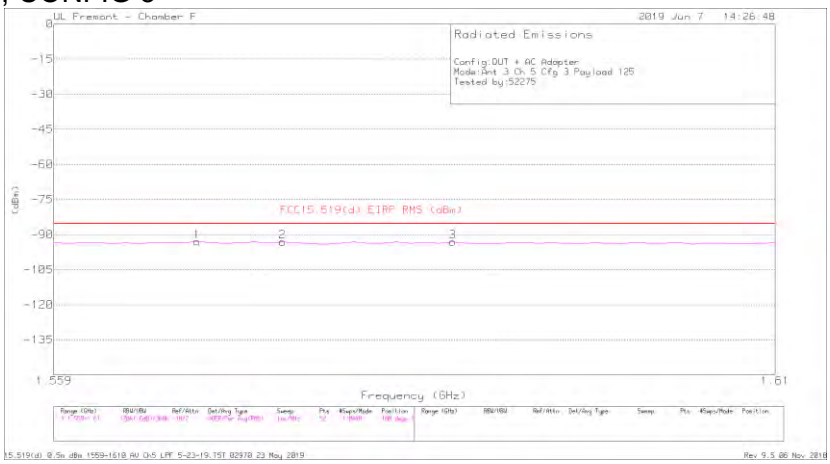


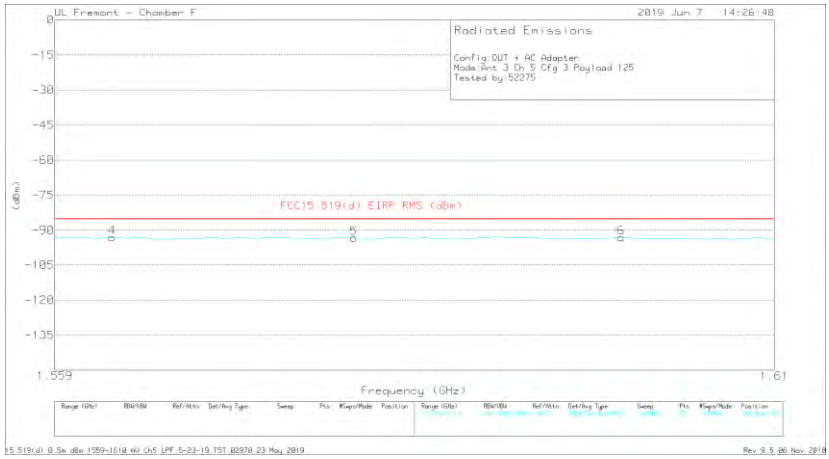
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9 LP Filter	EIRP (dBm)	FCC15.519(d) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.571	-87.85	RMS	28.1	-30.1	-15.5	11.8	.3	-93.25	-85.3	-7.95	41	151	H
2	1.592	-86.96	RMS	28.1	-30.2	-15.5	11.8	.3	-92.46	-85.3	-7.16	151	151	H
3	1.605	-86.38	RMS	28	-30.2	-15.5	11.8	.3	-91.98	-85.3	-6.68	151	151	H
4	1.56	-87.88	RMS	28	-30	-15.5	11.8	.3	-93.28	-85.3	-7.98	209	151	V
5	1.586	-87.22	RMS	28.1	-30.1	-15.5	11.8	.3	-92.62	-85.3	-7.32	77	151	V
6	1.604	-87.1	RMS	28	-30.2	-15.5	11.8	.3	-92.7	-85.3	-7.4	297	151	V

RMS - RMS detection

ANT. 3, CH5, CONFIG 3



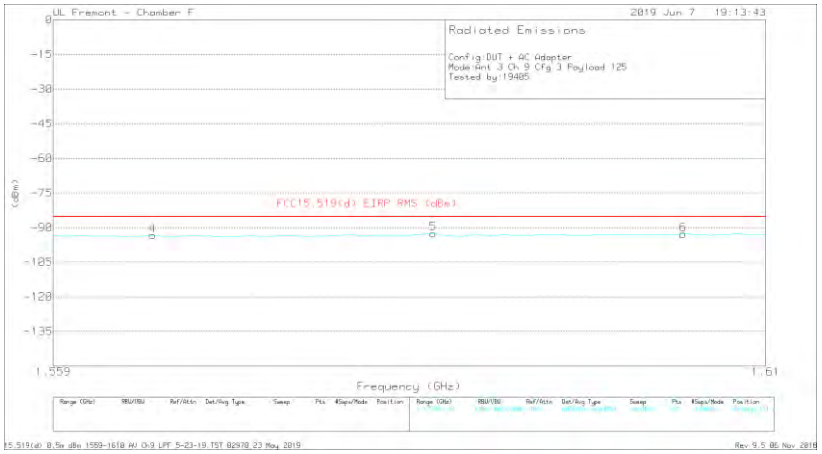


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH5 LP Filter	EIRP (dBm)	FCC15.519(d) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.569	-87.43	RMS	28	-30.1	-15.5	11.8	.2	-93.03	-85.3	-7.73	231	151	H
2	1.575	-87.47	RMS	28.1	-30.2	-15.5	11.8	.2	-93.07	-85.3	-7.77	188	151	H
3	1.587	-87.58	RMS	28.1	-30.1	-15.5	11.8	.2	-93.08	-85.3	-7.78	254	151	H
4	1.563	-87.51	RMS	28	-30.1	-15.5	11.8	.2	-93.11	-85.3	-7.81	63	151	V
5	1.58	-87.73	RMS	28	-30.1	-15.5	11.8	.2	-93.33	-85.3	-8.03	0	151	V
6	1.599	-87.51	RMS	28.1	-30.2	-15.5	11.8	.2	-93.11	-85.3	-7.81	327	151	V

RMS - RMS detection

ANT. 3, CH9, CONFIG 3



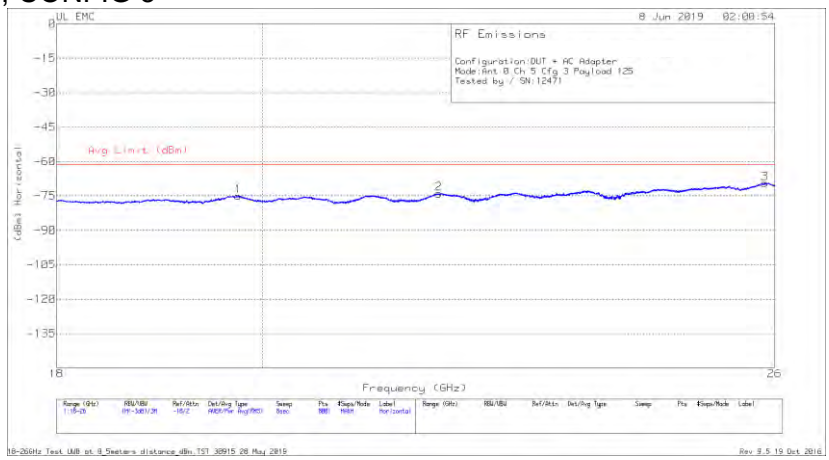
Trace Markers

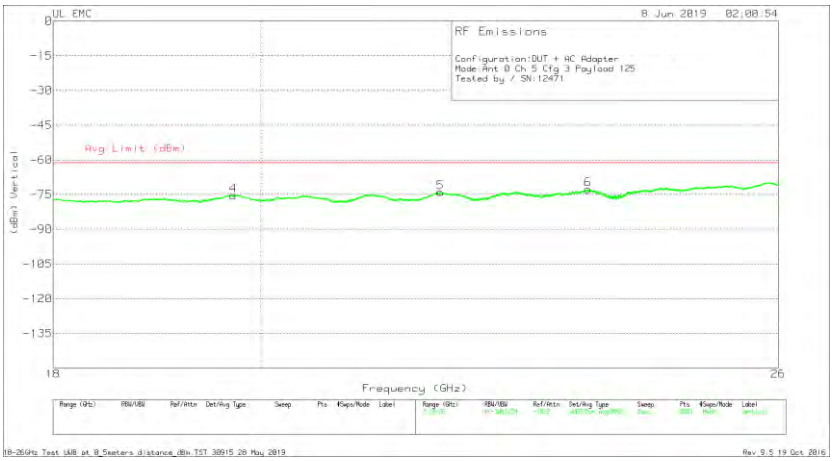
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9 LP Filter	EIRP (dBm)	FCC15.519(d) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.565	-88.06	RMS	28	-30.1	-15.5	11.8	.3	-93.56	-85.3	-8.26	327	151	H
2	1.587	-87.68	RMS	28.1	-30.1	-15.5	11.8	.3	-93.08	-85.3	-7.78	261	151	H
3	1.603	-87.45	RMS	28	-30.2	-15.5	11.8	.3	-93.05	-85.3	-7.75	327	151	H
4	1.566	-87.86	RMS	28	-30.1	-15.5	11.8	.3	-93.36	-85.3	-8.06	55	151	V
5	1.586	-87.13	RMS	28.1	-30.1	-15.5	11.8	.3	-92.53	-85.3	-7.23	55	151	V
6	1.604	-87.25	RMS	28	-30.2	-15.5	11.8	.3	-92.85	-85.3	-7.55	360	151	V

RMS - RMS detection

8.4.7. AVERAGE EMISSIONS, 18 - 26 GHz

ANT. 0, CH5, CONFIG 3



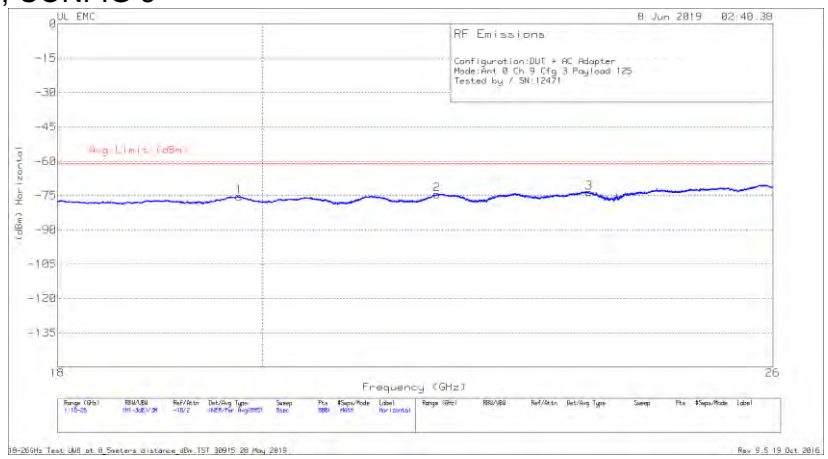


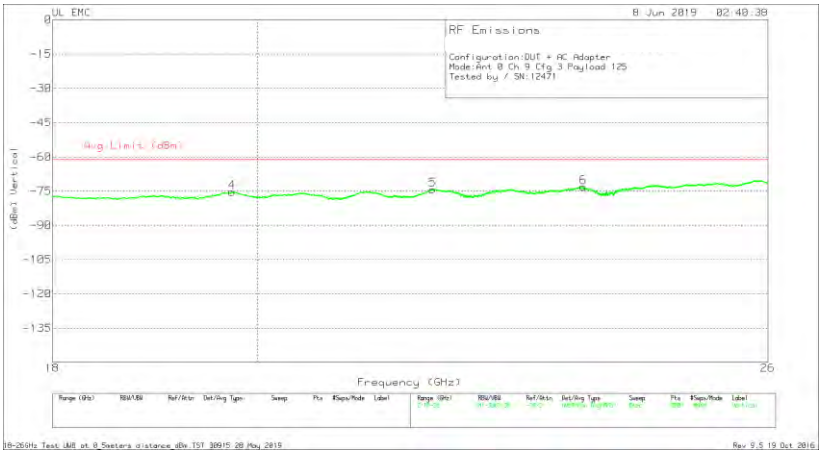
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	T447 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Conversion Factor (dB)	EIRP (dBm)	Avg Limit (dBm)	Margin (dB)	Polarity
1	19.754	-82.68	RMS	32.7	-21.3	-15.6	11.8	-75.08	-61.3	-13.78	H
2	21.893	-82.5	RMS	33.2	-20.9	-15.6	11.8	-74	-61.3	-12.7	H
3	25.87	-79.7	RMS	34.5	-20.4	-15.6	11.8	-69.4	-61.3	-8.1	H
4	19.724	-82.72	RMS	32.7	-21.5	-15.6	11.8	-75.32	-61.3	-14.02	V
5	21.907	-82.44	RMS	33.2	-20.9	-15.6	11.8	-73.94	-61.3	-12.64	V
6	23.611	-83.06	RMS	34.1	-19.9	-15.6	11.8	-72.66	-61.3	-11.36	V

RMS - RMS detection

ANT. 0, CH9, CONFIG 3



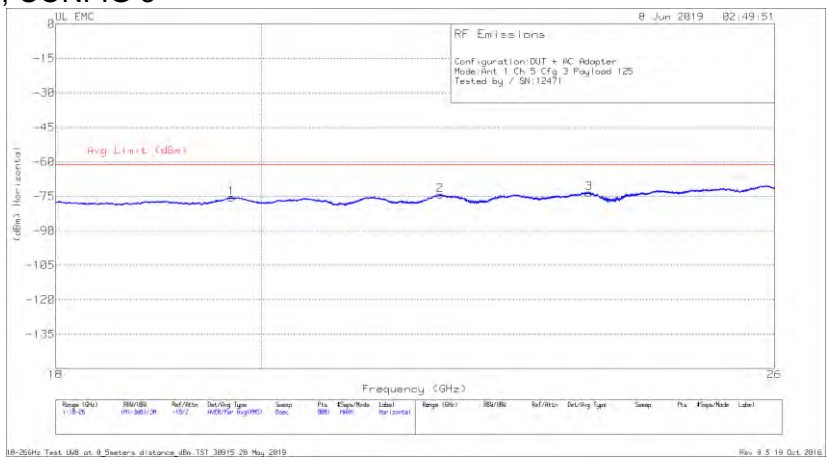


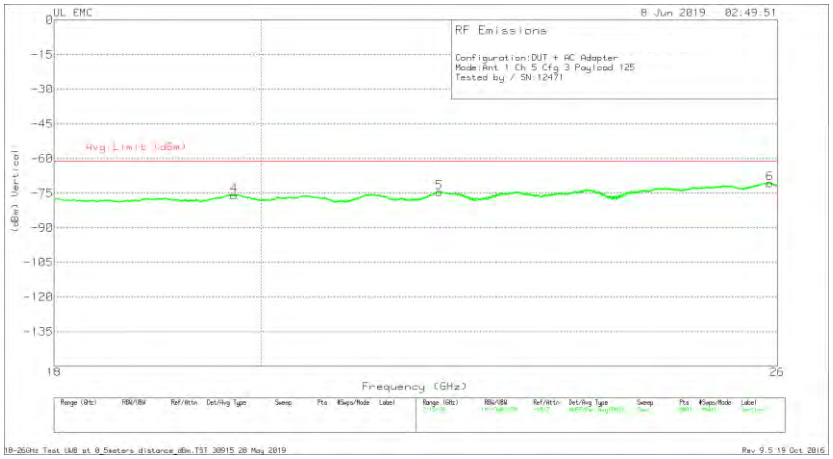
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	T447 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Conversion Factor (dB)	EIRP (dBm)	Avg Limit (dBm)	Margin (dB)	Polarity
1	19.764	-83.02	RMS	32.7	-21.4	-15.6	11.8	-75.52	-61.3	-14.22	H
2	21.879	-82.95	RMS	33.2	-20.9	-15.6	11.8	-74.45	-61.3	-13.15	H
3	23.658	-84.12	RMS	34.1	-19.8	-15.6	11.8	-73.62	-61.3	-12.32	H
4	19.743	-83.01	RMS	32.7	-21.3	-15.6	11.8	-75.41	-61.3	-14.11	V
5	21.885	-82.79	RMS	33.2	-20.9	-15.6	11.8	-74.29	-61.3	-12.99	V
6	23.648	-83.77	RMS	34.1	-19.7	-15.6	11.8	-73.17	-61.3	-11.87	V

RMS - RMS detection

ANT. 1, CH5, CONFIG 3



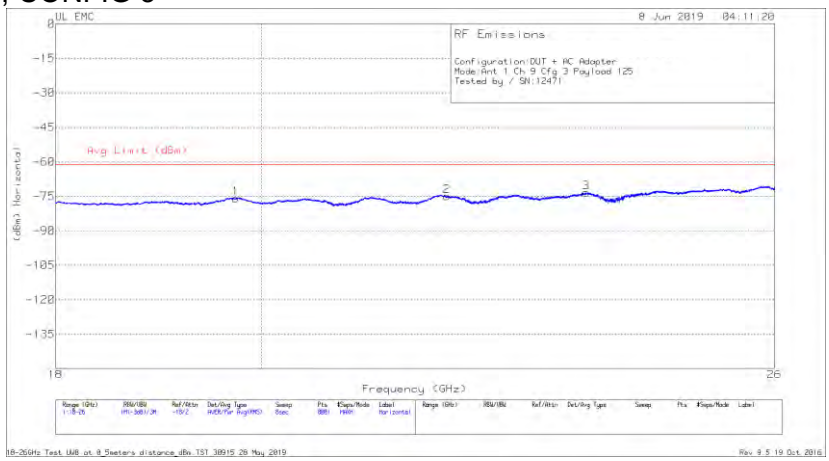


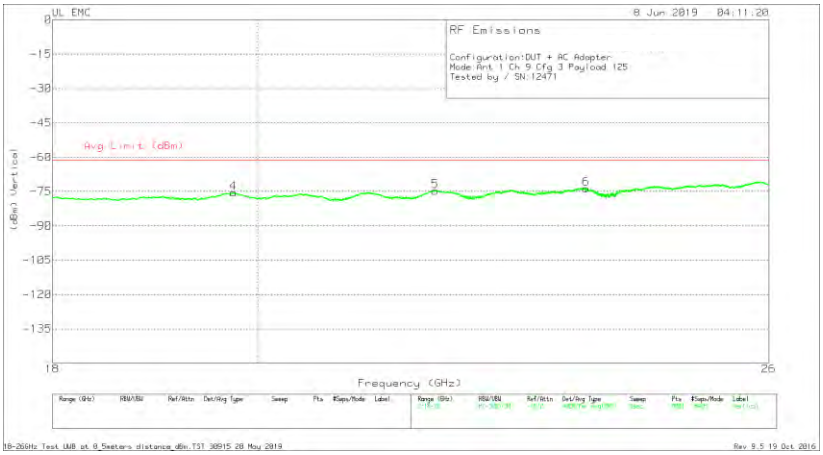
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	T447 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Conversion Factor (dB)	EIRP (dBm)	Avg Limit (dBm)	Margin (dB)	Polarity
1	19.695	-83.11	RMS	32.7	-21.4	-15.6	11.8	-75.61	-61.3	-14.31	H
2	21.915	-82.82	RMS	33.2	-20.9	-15.6	11.8	-74.32	-61.3	-13.02	H
3	23.645	-84.06	RMS	34.1	-19.7	-15.6	11.8	-73.46	-61.3	-12.16	H
4	19.727	-83.27	RMS	32.7	-21.5	-15.6	11.8	-75.87	-61.3	-14.57	V
5	21.896	-83.01	RMS	33.2	-20.9	-15.6	11.8	-74.51	-61.3	-13.21	V
6	25.902	-80.89	RMS	34.5	-20.4	-15.6	11.8	-70.59	-61.3	-9.29	V

RMS - RMS detection

ANT. 1, CH9, CONFIG 3



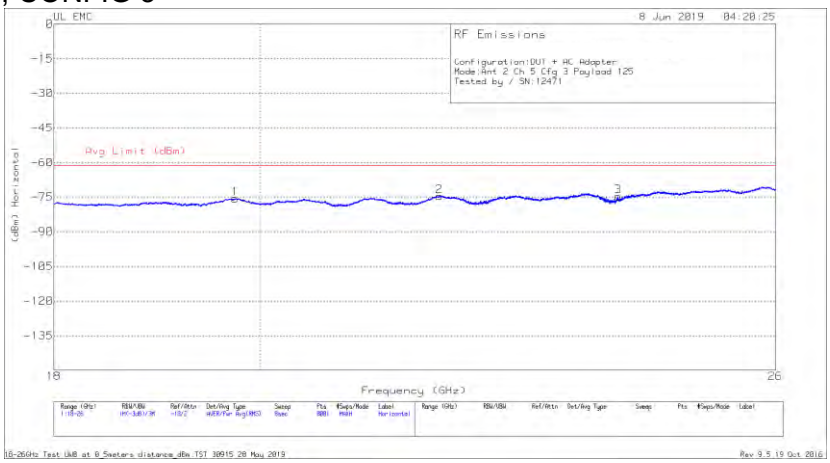


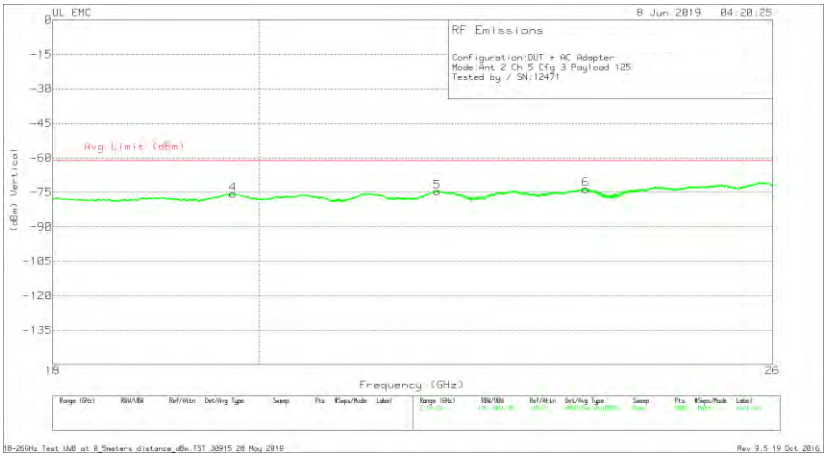
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	T447 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Conversion Factor (dB)	EIRP (dBm)	Avg Limit (dBm)	Margin (dB)	Polarity
1	19.738	-83.36	RMS	32.7	-21.4	-15.6	11.8	-75.86	-61.3	-14.56	H
2	21.99	-83.67	RMS	33.3	-20.7	-15.6	11.8	-74.87	-61.3	-13.57	H
3	23.614	-83.74	RMS	34.1	-19.9	-15.6	11.8	-73.34	-61.3	-12.04	H
4	19.752	-83.08	RMS	32.7	-21.3	-15.6	11.8	-75.48	-61.3	-14.18	V
5	21.909	-83.24	RMS	33.2	-20.9	-15.6	11.8	-74.74	-61.3	-13.44	V
6	23.673	-84.16	RMS	34.1	-19.8	-15.6	11.8	-73.66	-61.3	-12.36	V

RMS - RMS detection

ANT. 2, CH5, CONFIG 3



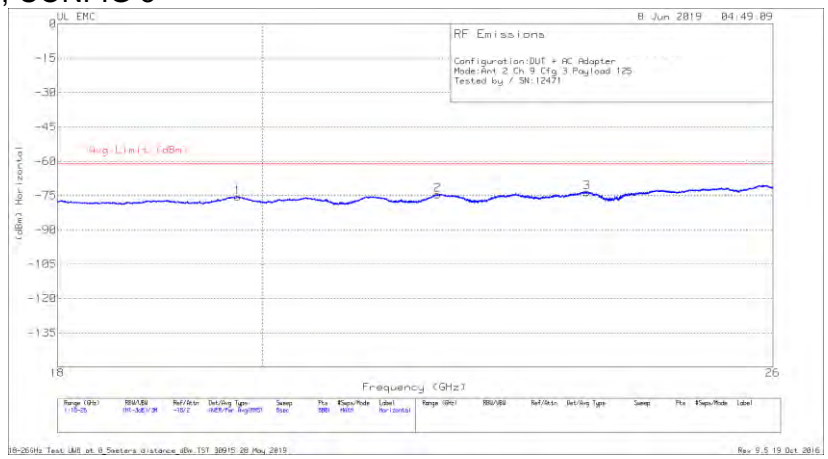


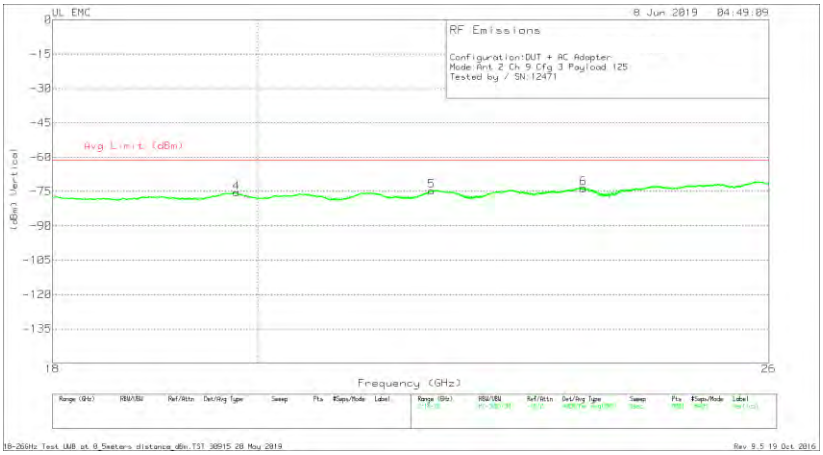
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	T447 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Conversion Factor (dB)	EIRP (dBm)	Avg Limit (dBm)	Margin (dB)	Polarity
1	19.742	-83.15	RMS	32.7	-21.3	-15.6	11.8	-75.55	-61.3	-14.25	H
2	21.911	-83.06	RMS	33.2	-20.9	-15.6	11.8	-74.56	-61.3	-13.26	H
3	23.997	-85.8	RMS	34.3	-19.4	-15.6	11.8	-74.7	-61.3	-13.4	H
4	19.741	-83.17	RMS	32.7	-21.4	-15.6	11.8	-75.67	-61.3	-14.37	V
5	21.908	-83.11	RMS	33.2	-20.9	-15.6	11.8	-74.61	-61.3	-13.31	V
6	23.636	-84.08	RMS	34.1	-19.8	-15.6	11.8	-73.58	-61.3	-12.28	V

RMS - RMS detection

ANT. 2, CH9, CONFIG 3



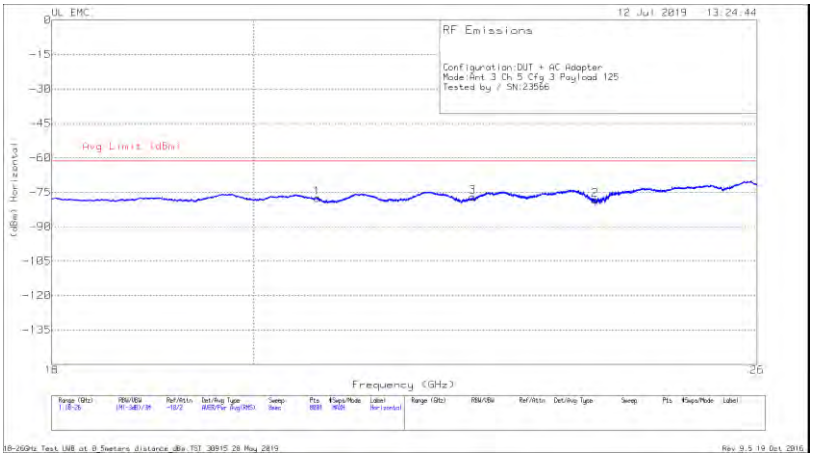


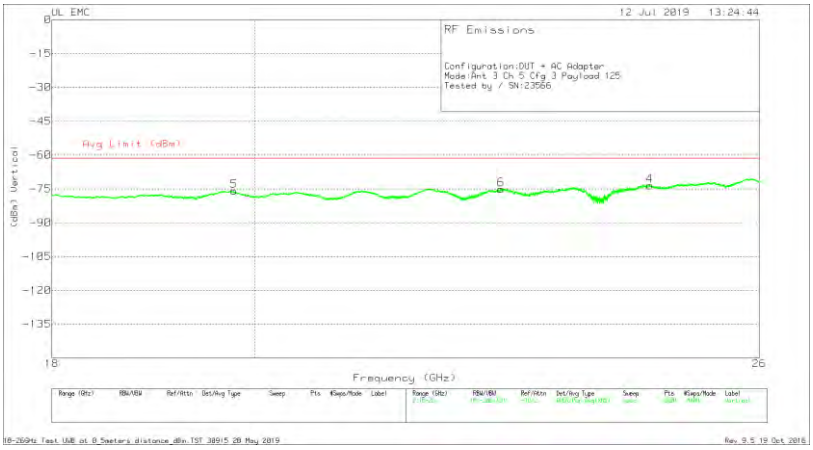
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	T447 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Conversion Factor (dB)	EIRP (dBm)	Avg Limit (dBm)	Margin (dB)	Polarity
1	19.749	-83.27	RMS	32.7	-21.3	-15.6	11.8	-75.67	-61.3	-14.37	H
2	21.884	-83.04	RMS	33.2	-20.9	-15.6	11.8	-74.54	-61.3	-13.24	H
3	23.627	-83.94	RMS	34.1	-19.9	-15.6	11.8	-73.54	-61.3	-12.24	H
4	19.785	-83.04	RMS	32.7	-21.3	-15.6	11.8	-75.44	-61.3	-14.14	V
5	21.869	-83.13	RMS	33.2	-20.9	-15.6	11.8	-74.63	-61.3	-13.33	V
6	23.641	-84.17	RMS	34.1	-19.7	-15.6	11.8	-73.57	-61.3	-12.27	V

RMS - RMS detection

ANT. 3, CH5, CONFIG 3



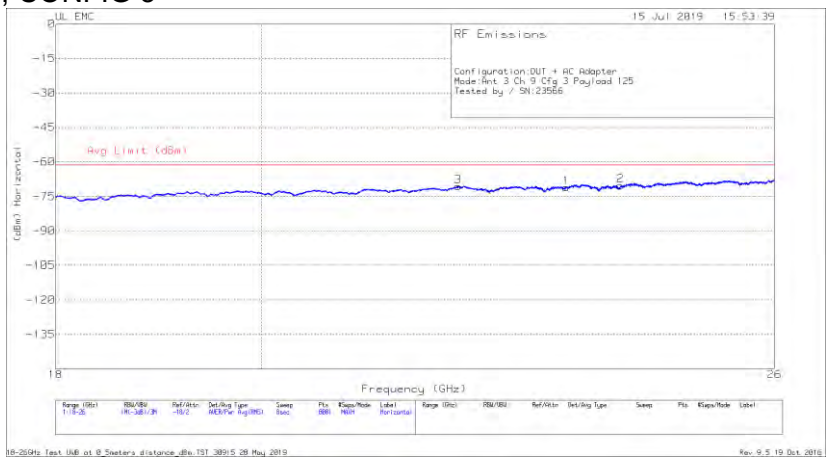


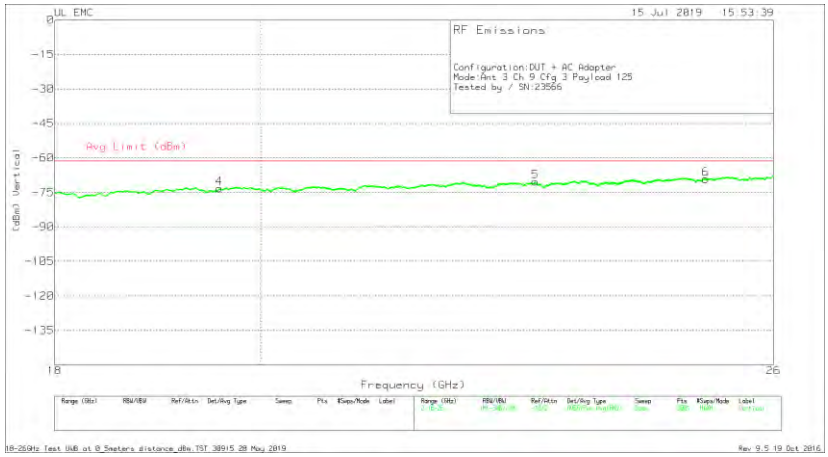
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	T447 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Conversion Factor (dB)	EIRP	Avg Limit (dBm)	Margin (dB)
1	20.673	-85.63	RMS	33	-21.1	-15.6	11.8	-77.53	-61.3	-16.23
2	23.897	-89.12	RMS	34.2	-19.6	-15.6	11.8	-78.32	-61.3	-17.02
3	22.417	-86.37	RMS	33.5	-20.3	-15.6	11.8	-76.97	-61.3	-15.67
4	24.562	-84.86	RMS	34.4	-19.3	-15.6	11.8	-73.56	-61.3	-12.26
5	19.788	-83.43	RMS	32.7	-21.3	-15.6	11.8	-75.83	-61.3	-14.53
6	22.734	-84.42	RMS	33.5	-20.4	-15.6	11.8	-75.12	-61.3	-13.82

RMS - RMS detection

ANT. 3, CH9, CONFIG 3





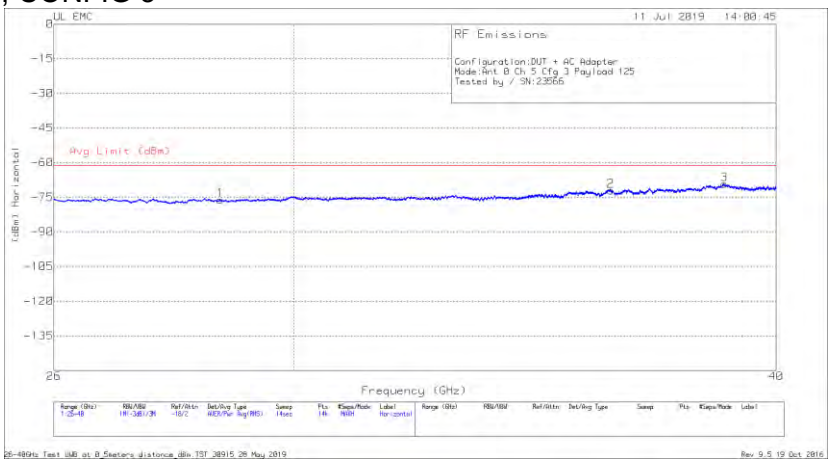
Trace Markers

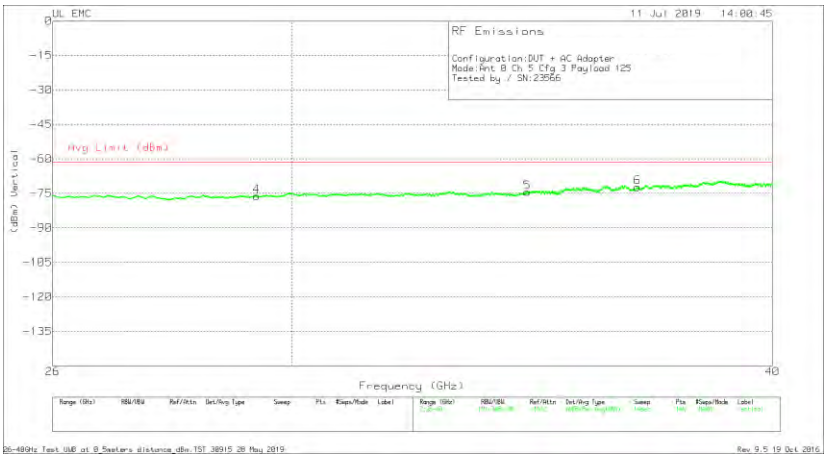
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	T447 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Conversion Factor (dB)	EIRP	Avg Limit (dBm)	Margin (dB)
1	23.372	-80.96	RMS	33.9	-20.2	-15.6	11.8	-71.06	-61.3	-9.76
2	24.03	-81.16	RMS	34.3	-19.6	-15.6	11.8	-70.26	-61.3	-8.96
3	22.115	-79.95	RMS	33.4	-20.3	-15.6	11.8	-70.65	-61.3	-9.35
4	19.582	-80.73	RMS	32.8	-21.5	-15.6	11.8	-73.23	-61.3	-11.93
5	23.017	-80.05	RMS	33.6	-20	-15.6	11.8	-70.25	-61.3	-8.95
6	25.115	-80.14	RMS	34.5	-19.7	-15.6	11.8	-69.14	-61.3	-7.84

RMS - RMS detection

8.4.8. AVERAGE EMISSIONS, 26 – 40 GHz

ANT. 0, CH5, CONFIG 3



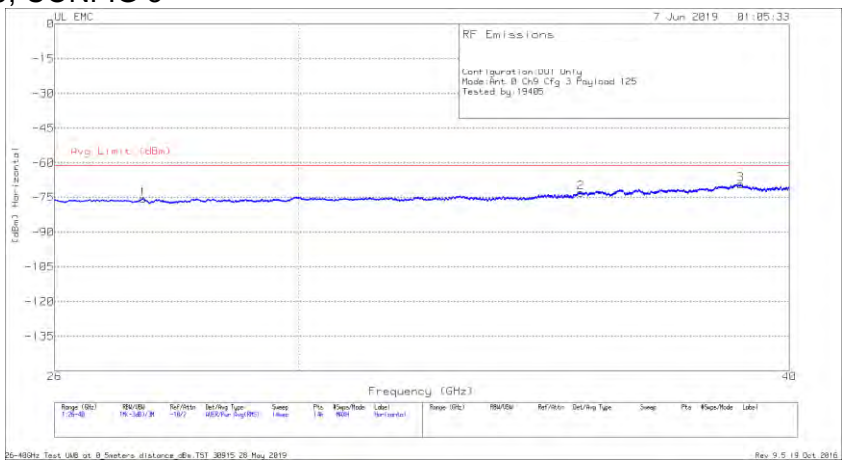


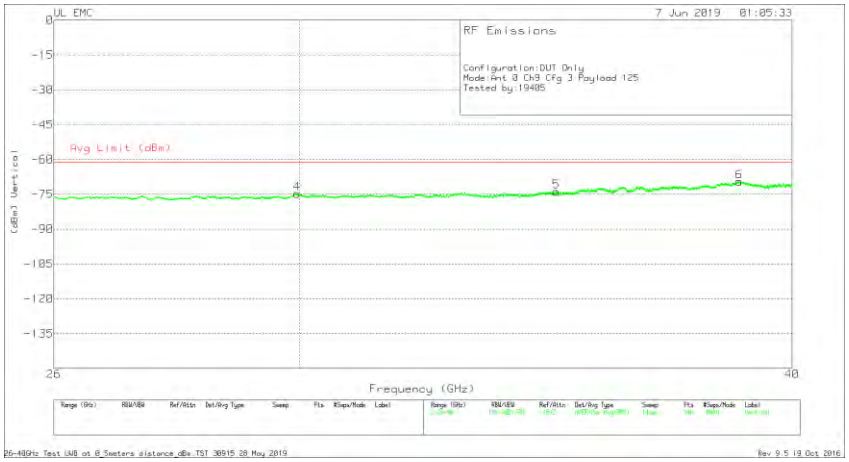
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	T446 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Conversion Factor (dB)	EIRP	Avg Limit (dBm)	Margin (dB)
1	28.712	-79.63	RMS	36.1	-28.8	-15.6	11.8	-76.13	-61.3	-14.83
2	36.244	-78.12	RMS	37.5	-27.7	-15.6	11.8	-72.12	-61.3	-10.82
3	38.782	-77.08	RMS	38.3	-26.7	-15.6	11.8	-69.28	-61.3	-7.98
4	29.375	-79.97	RMS	36	-28.4	-15.6	11.8	-76.17	-61.3	-14.87
5	34.541	-80.13	RMS	37.4	-27.9	-15.6	11.8	-74.43	-61.3	-13.13
6	36.898	-78.69	RMS	37.5	-27.3	-15.6	11.8	-72.29	-61.3	-10.99

RMS - RMS detection

ANT. 0, CH9, CONFIG 3



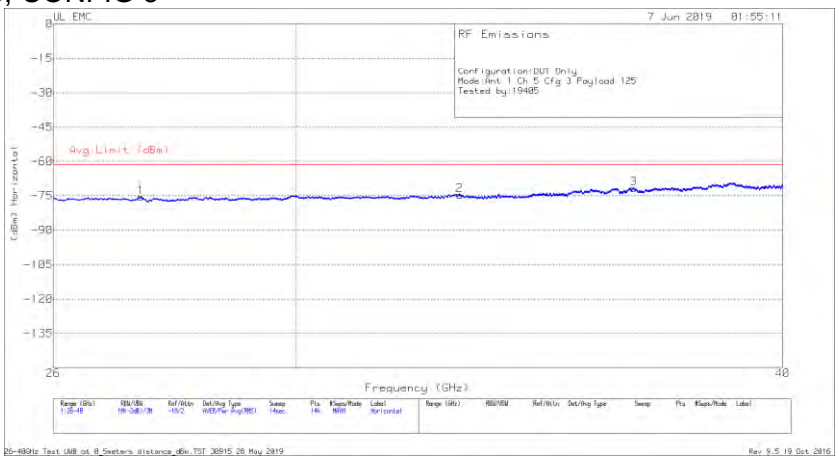


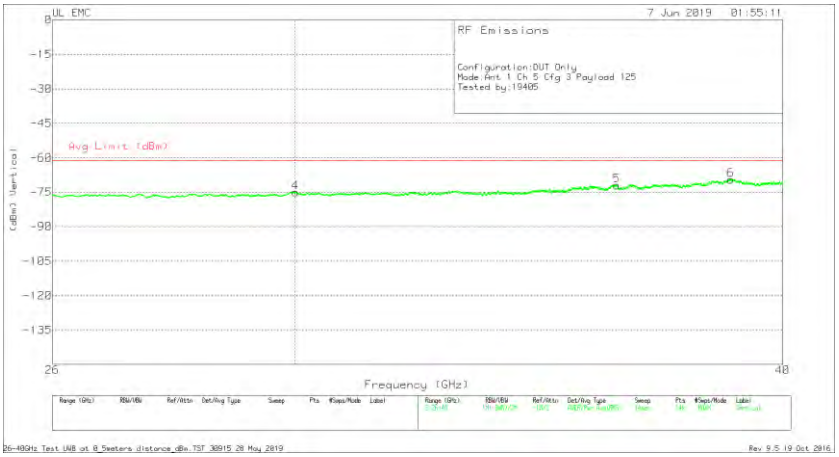
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	T446 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Conversion Factor (dB)	EIRP (dBm)	Avg Limit (dBm)	Margin (dB)
1	27.385	-76.92	RMS	35.9	-30.8	-15.6	11.8	-75.62	-61.3	-14.32
2	35.397	-78.61	RMS	37.4	-27.9	-15.6	11.8	-72.91	-61.3	-11.61
3	38.873	-77.27	RMS	38.3	-26.5	-15.6	11.8	-69.27	-61.3	-7.97
4	29.961	-79.23	RMS	36.7	-28.4	-15.6	11.8	-74.73	-61.3	-13.43
5	34.857	-80.02	RMS	37.5	-27.5	-15.6	11.8	-73.82	-61.3	-12.52
6	38.784	-77.33	RMS	38.3	-26.7	-15.6	11.8	-69.53	-61.3	-8.23

RMS - RMS detection

ANT. 1, CH5, CONFIG 3



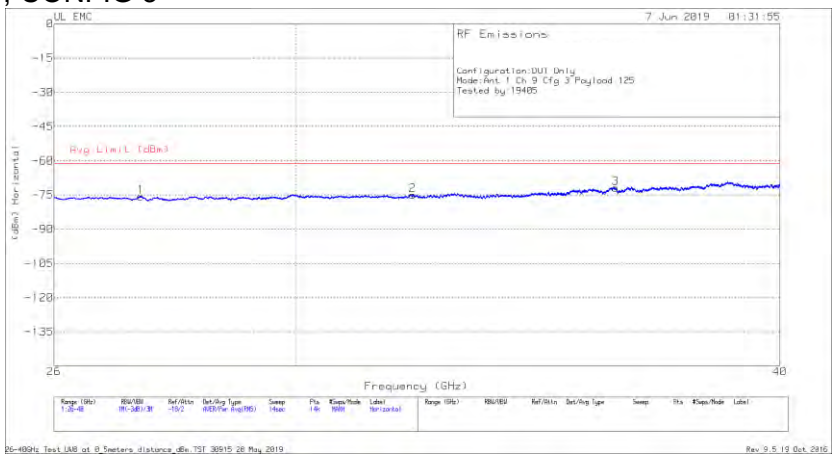


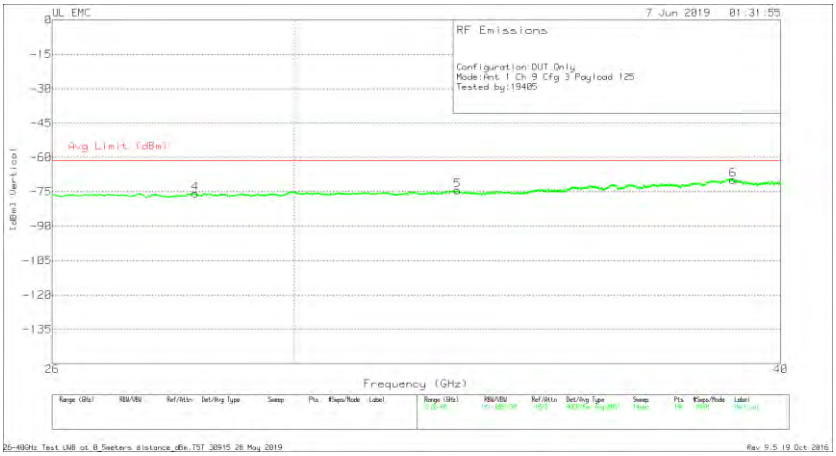
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	T446 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Conversion Factor (dB)	EIRP (dBm)	Avg Limit (dBm)	Margin (dB)
1	27.379	-76.91	RMS	35.9	-30.8	-15.6	11.8	-75.61	-61.3	-14.31
2	33.054	-79.27	RMS	37.2	-28.7	-15.6	11.8	-74.57	-61.3	-13.27
3	36.625	-78.51	RMS	37.7	-27.1	-15.6	11.8	-71.71	-61.3	-10.41
4	30.008	-79.43	RMS	36.6	-28.4	-15.6	11.8	-75.03	-61.3	-13.73
5	36.272	-77.92	RMS	37.2	-27.5	-15.6	11.8	-72.02	-61.3	-10.72
6	38.793	-77.2	RMS	38.2	-26.8	-15.6	11.8	-69.6	-61.3	-8.3

RMS - RMS detection

ANT. 1, CH9, CONFIG 3



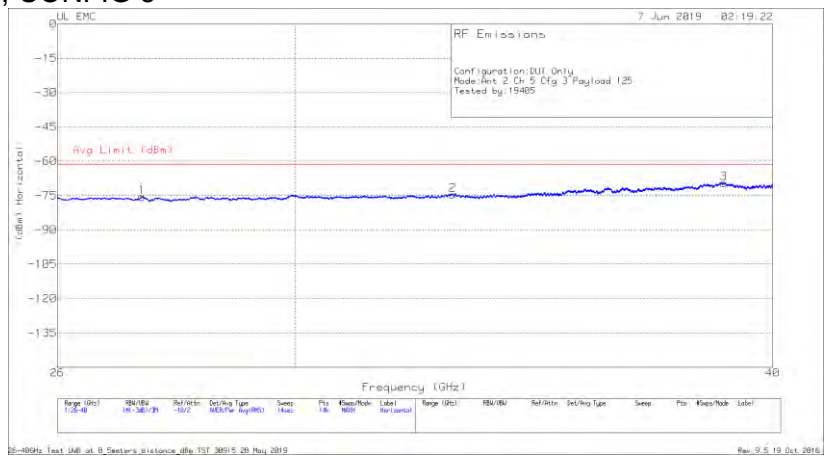


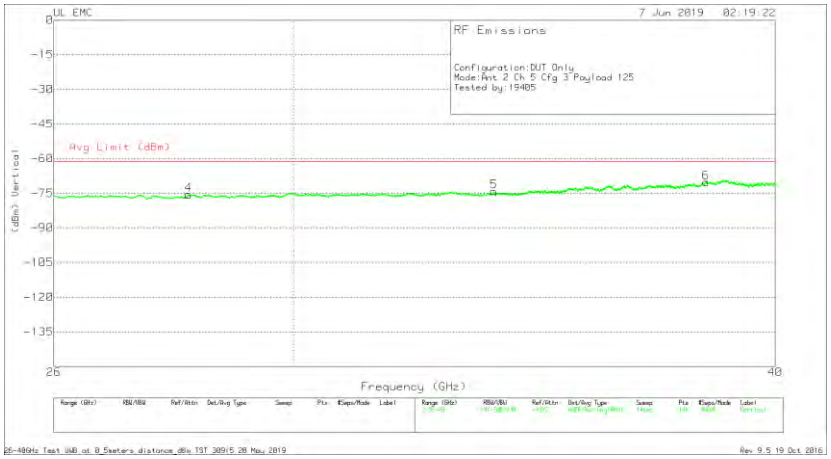
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	T446 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Conversion Factor (dB)	EIRP (dBm)	Avg Limit (dBm)	Margin (dB)
1	27.373	-77.03	RMS	35.9	-30.8	-15.6	11.8	-75.73	-61.3	-14.43
2	32.163	-78.75	RMS	36.7	-29.2	-15.6	11.8	-75.05	-61.3	-13.75
3	36.282	-78.14	RMS	37.5	-27.5	-15.6	11.8	-71.94	-61.3	-10.64
4	28.296	-78.59	RMS	36.1	-29.4	-15.6	11.8	-75.69	-61.3	-14.39
5	33.037	-79.07	RMS	37.2	-28.6	-15.6	11.8	-74.27	-61.3	-12.97
6	38.888	-77.64	RMS	38.5	-26.8	-15.6	11.8	-69.74	-61.3	-8.44

RMS - RMS detection

ANT. 2, CH5, CONFIG 3



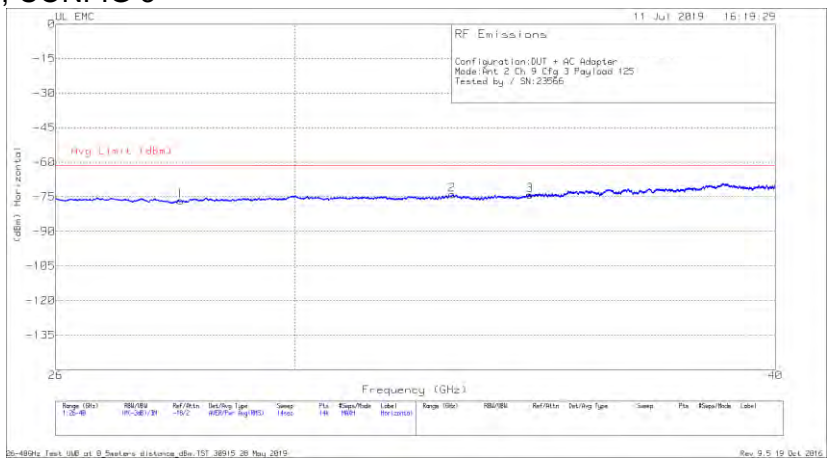


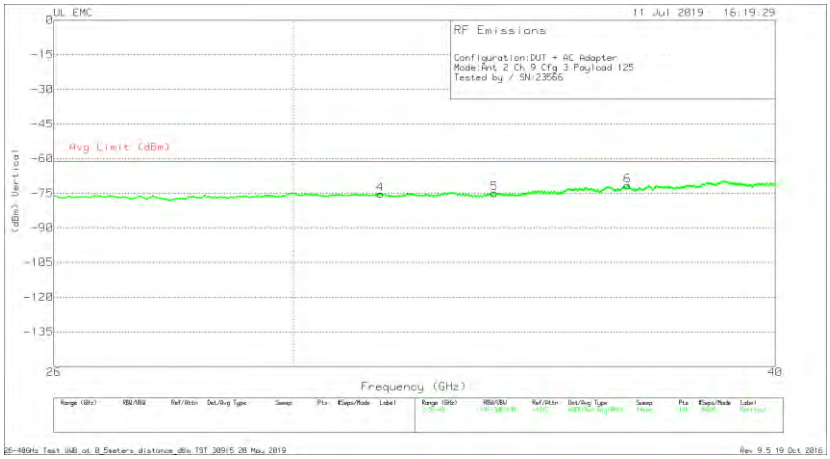
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	T446 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Conversion Factor (dB)	EIRP (dBm)	Avg Limit (dBm)	Margin (dB)
1	27.358	-76.78	RMS	35.8	-30.8	-15.6	11.8	-75.58	-61.3	-14.28
2	32.99	-79.04	RMS	37.1	-28.9	-15.6	11.8	-74.64	-61.3	-13.34
3	38.84	-77.51	RMS	38.4	-26.7	-15.6	11.8	-69.61	-61.3	-8.31
4	28.177	-78.42	RMS	36.1	-29.5	-15.6	11.8	-75.62	-61.3	-14.32
5	33.819	-79.66	RMS	37.3	-28	-15.6	11.8	-74.16	-61.3	-12.86
6	38.38	-77.73	RMS	38.1	-26.8	-15.6	11.8	-70.23	-61.3	-8.93

RMS - RMS detection

ANT. 2, CH9, CONFIG 3



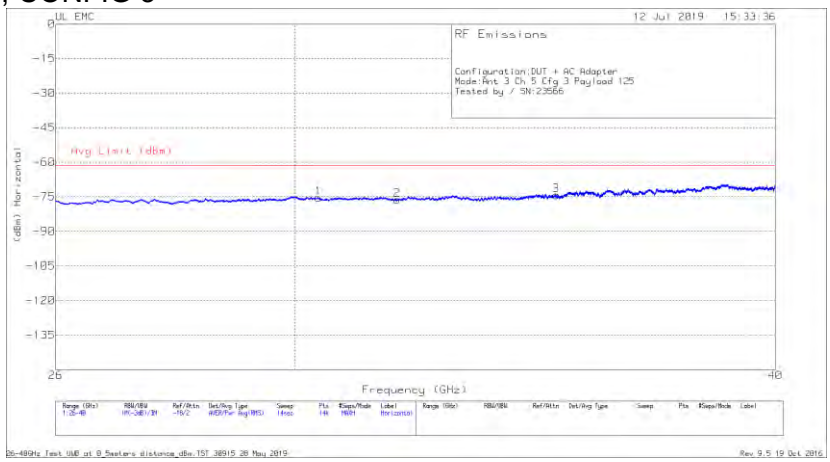


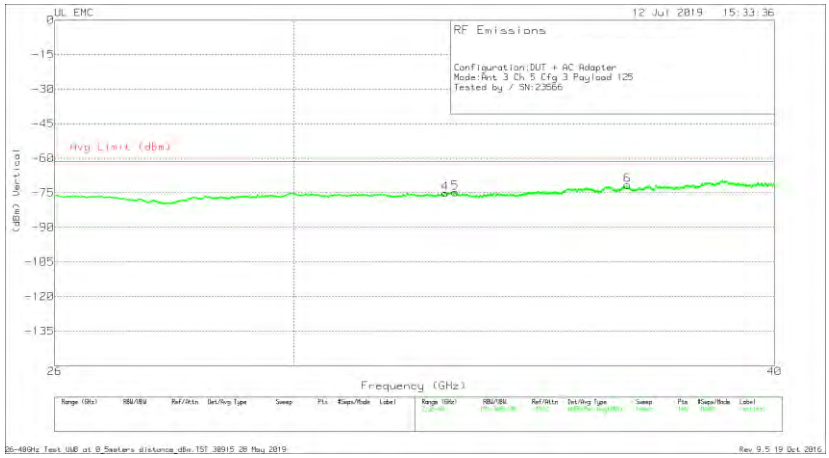
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	T446 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Conversion Factor (dB)	EIRP	Avg Limit (dBm)	Margin (dB)
1	28.019	-78.77	RMS	35.8	-29.9	-15.6	11.8	-76.67	-61.3	-15.37
2	32.965	-78.57	RMS	37.1	-28.7	-15.6	11.8	-73.97	-61.3	-12.67
3	34.533	-79.85	RMS	37.4	-27.9	-15.6	11.8	-74.15	-61.3	-12.85
4	31.601	-79.2	RMS	36.7	-29	-15.6	11.8	-75.3	-61.3	-14
5	33.827	-80.22	RMS	37.2	-28.1	-15.6	11.8	-74.92	-61.3	-13.62
6	36.624	-78.43	RMS	37.7	-27.1	-15.6	11.8	-71.63	-61.3	-10.33

RMS - RMS detection

ANT. 3, CH5, CONFIG 3



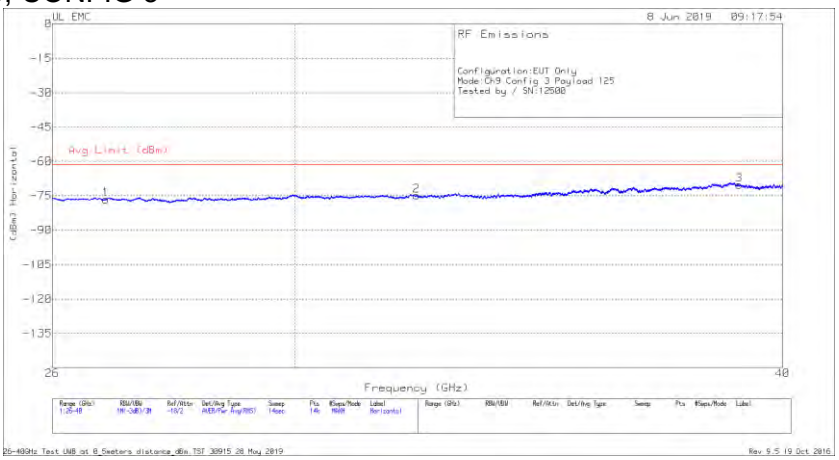


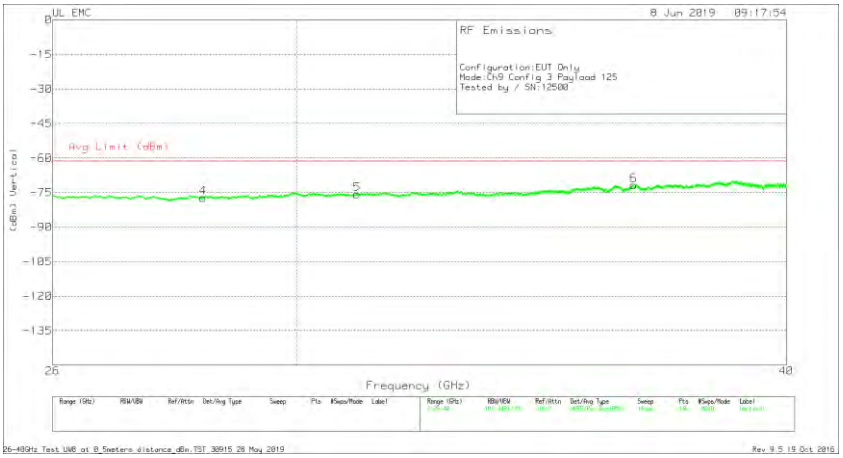
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	T446 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Conversion Factor (dB)	EIRP	Avg Limit (dBm)	Margin (dB)
1	30.429	-79.48	RMS	36.4	-28.5	-15.6	11.8	-75.38	-61.3	-14.08
2	31.893	-80.16	RMS	36.7	-29	-15.6	11.8	-76.26	-61.3	-14.96
3	35.079	-79.71	RMS	37.1	-27.9	-15.6	11.8	-74.31	-61.3	-13.01
4	32.851	-79.72	RMS	37.2	-28.8	-15.6	11.8	-75.12	-61.3	-13.82
5	33.042	-79.7	RMS	37.3	-28.6	-15.6	11.8	-74.8	-61.3	-13.5
6	36.632	-78.33	RMS	37.6	-27.1	-15.6	11.8	-71.63	-61.3	-10.33

RMS - RMS detection

ANT. 3, CH9, CONFIG 3





Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	T446 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Conversion Factor (dB)	EIRP (dBm)	Avg Limit (dBm)	Margin (dB)
1	26.83	-76.78	RMS	35.7	-31.7	-15.6	11.8	-76.58	-61.3	-15.28
2	32.232	-78.6	RMS	36.6	-29.1	-15.6	11.8	-74.9	-61.3	-13.6
3	38.985	-78.02	RMS	38.2	-26.6	-15.6	11.8	-70.22	-61.3	-8.92
4	28.398	-80.03	RMS	36.1	-29.5	-15.6	11.8	-77.23	-61.3	-15.93
5	31.085	-79.55	RMS	36.4	-28.7	-15.6	11.8	-75.65	-61.3	-14.35
6	36.565	-78.24	RMS	37.6	-27.3	-15.6	11.8	-71.74	-61.3	-10.44

RMS - RMS detection

8.5. 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.

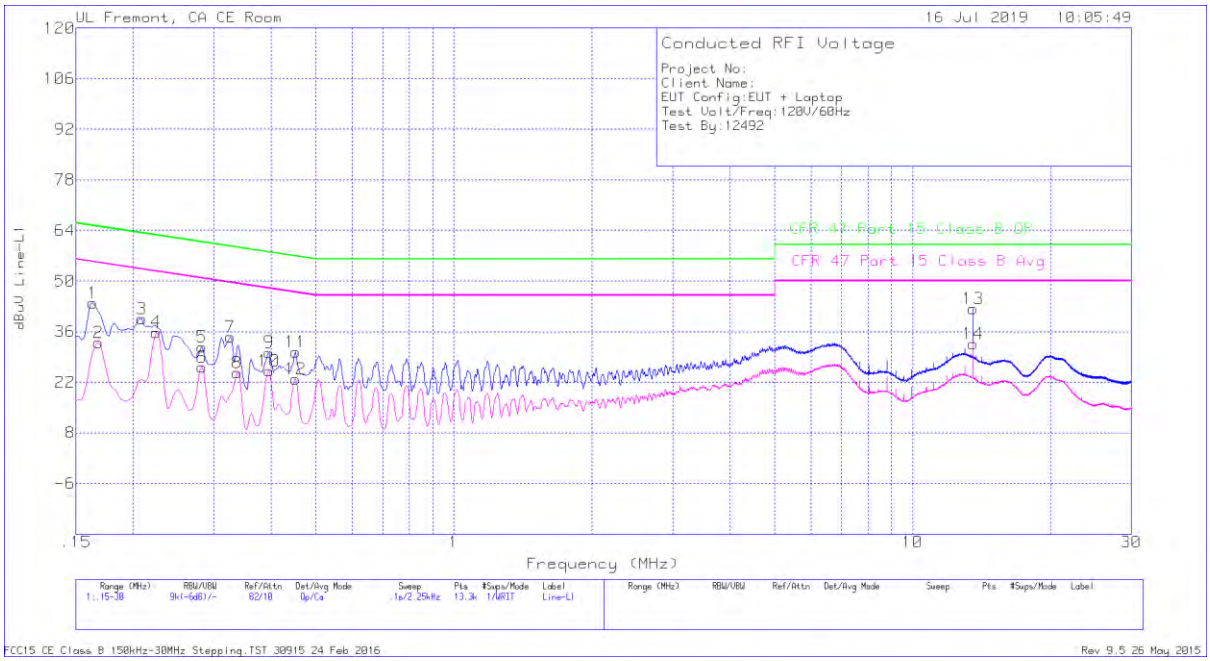
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

8.5.1. AC Power Line Host

LINE 1 RESULTS

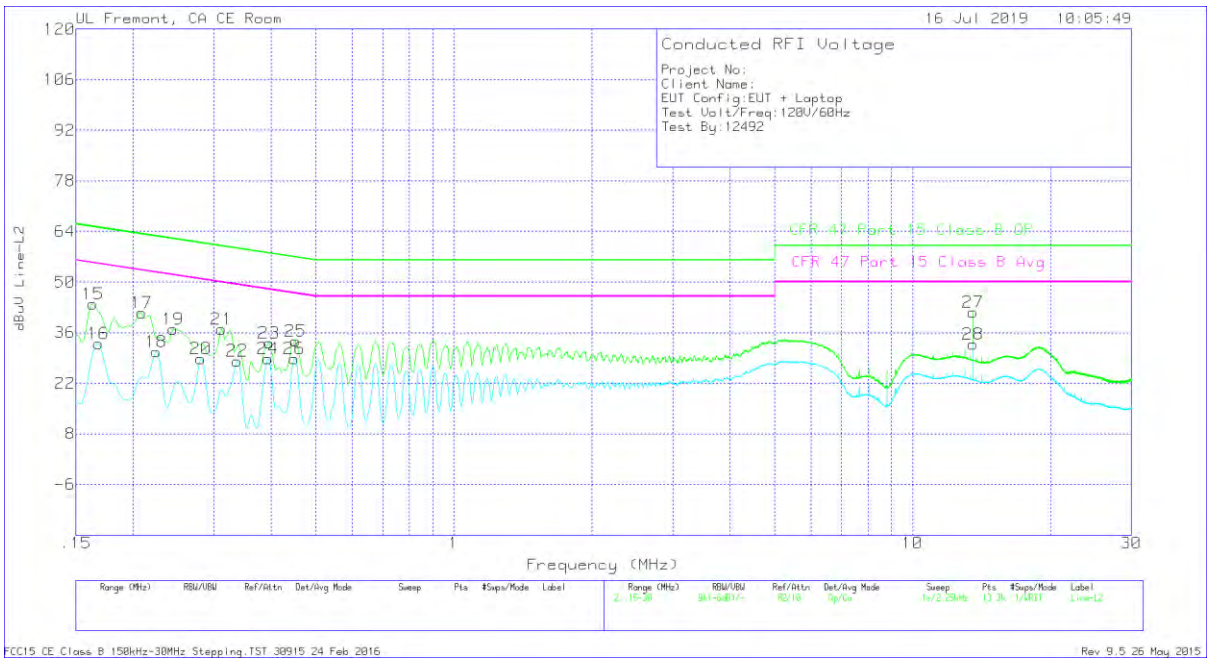


Range 1: Line-L1 .15 - 30MHz

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	.1635	33.76	Qp	.1	0	10.1	43.96	65.28	-21.32	-	-
2	.168	22.82	Ca	.1	0	10.1	33.02	-	-	55.06	-22.04
3	.2085	29.46	Qp	0	0	10.1	39.56	63.26	-23.7	-	-
4	.22425	25.73	Ca	0	0	10.1	35.83	-	-	52.66	-16.83
5	.28275	21.64	Qp	0	0	10.1	31.74	60.73	-28.99	-	-
6	.28275	16.01	Ca	0	0	10.1	26.11	-	-	50.73	-24.62
7	.3255	24.42	Qp	0	0	10.1	34.52	59.57	-25.05	-	-
8	.33675	14.55	Ca	0	0	10.1	24.65	-	-	49.28	-24.63
9	.39525	20.17	Qp	0	0	10.1	30.27	57.95	-27.68	-	-
10	.39525	15	Ca	0	0	10.1	25.1	-	-	47.95	-22.85
11	.4515	20.22	Qp	0	0	10.1	30.32	56.85	-26.53	-	-
12	.4515	12.75	Ca	0	0	10.1	22.85	-	-	46.85	-24
13	13.56	31.84	Qp	.1	.2	10.2	42.34	60	-17.66	-	-
14	13.56	22.15	Ca	.1	.2	10.2	32.65	-	-	50	-17.35

Qp - Quasi-Peak detector
Ca - CISPR average detection

LINE 2 RESULTS



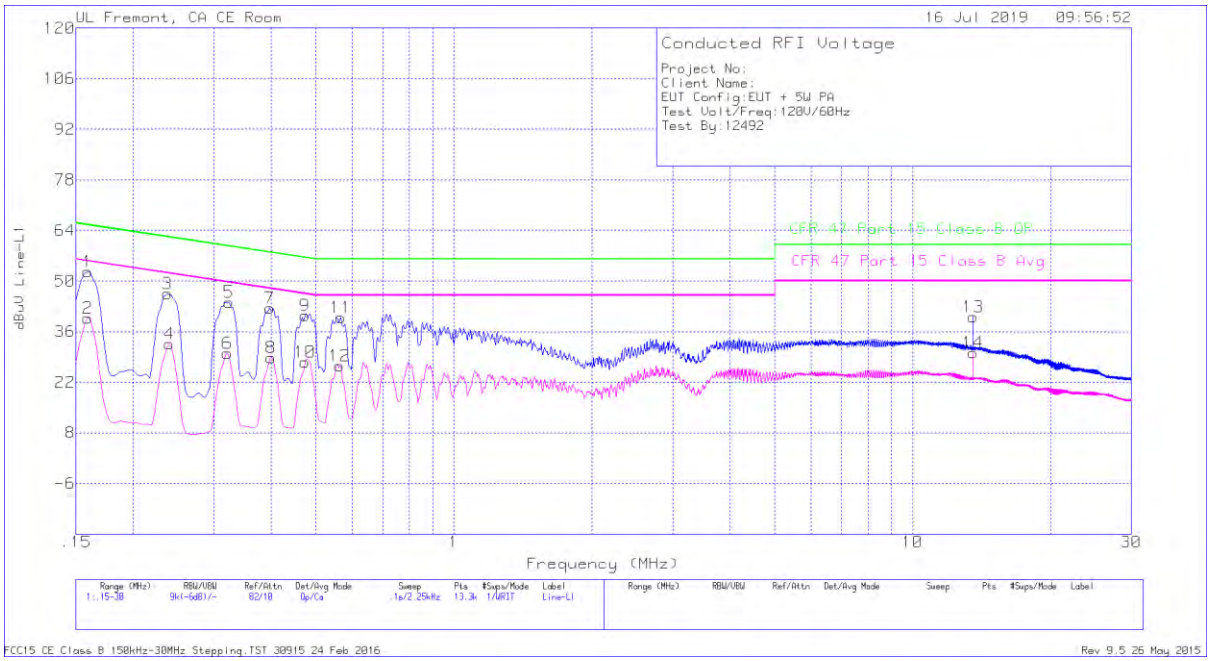
Range 2: Line-L2 .15 - 30MHz

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)
15	.1635	33.72	Qp	.1	0	10.1	43.92	65.28	-21.36	-	-
16	.168	22.75	Ca	.1	0	10.1	32.95	-	-	55.06	-22.11
17	.2085	31.44	Qp	0	0	10.1	41.54	63.26	-21.72	-	-
18	.22425	20.55	Ca	0	0	10.1	30.65	-	-	52.66	-22.01
19	.2445	26.84	Qp	0	0	10.1	36.94	61.94	-25	-	-
20	.2805	18.69	Ca	0	0	10.1	28.79	-	-	50.8	-22.01
21	.312	26.82	Qp	0	0	10.1	36.92	59.92	-23	-	-
22	.33675	18.08	Ca	0	0	10.1	28.18	-	-	49.28	-21.1
23	.39525	22.99	Qp	0	0	10.1	33.09	57.95	-24.86	-	-
24	.393	18.7	Ca	0	0	10.1	28.8	-	-	48	-19.2
25	.4515	23.55	Qp	0	0	10.1	33.65	56.85	-23.2	-	-
26	.44925	18.76	Ca	0	0	10.1	28.86	-	-	46.89	-18.03
27	13.56	31.19	Qp	.1	.2	10.2	41.69	60	-18.31	-	-
28	13.56	22.36	Ca	.1	.2	10.2	32.86	-	-	50	-17.14

Qp - Quasi-Peak detector
Ca - CISPR average detection

8.5.2. AC Power Line Norm

LINE 1 RESULTS

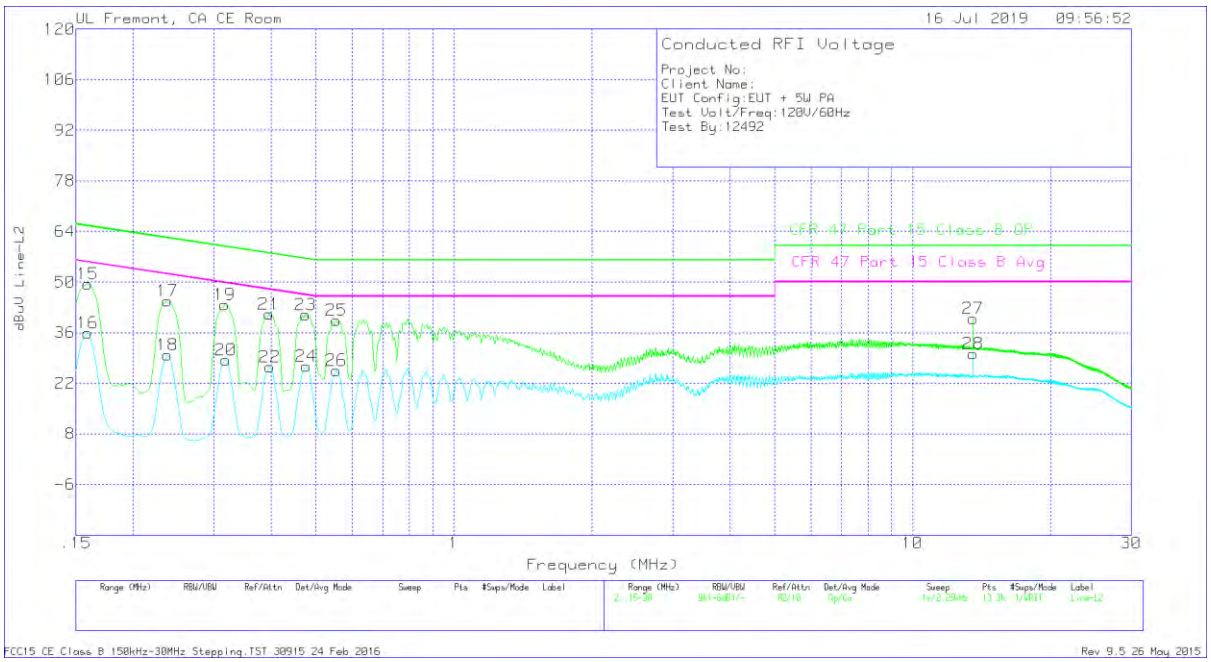


Range 1: Line-L1 .15 - 30MHz

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	42.43	Qp	.1	0	10.1	52.63	65.52	-12.89	-	-
2	.159	29.52	Ca	.1	0	10.1	39.72	-	-	55.52	-15.8
3	.23775	36.36	Qp	0	0	10.1	46.46	62.17	-15.71	-	-
4	.24	22.51	Ca	0	0	10.1	32.61	-	-	52.1	-19.49
5	.32325	34.07	Qp	0	0	10.1	44.17	59.62	-15.45	-	-
6	.321	19.88	Ca	0	0	10.1	29.98	-	-	49.68	-19.7
7	.3975	32.48	Qp	0	0	10.1	42.58	57.91	-15.33	-	-
8	.39975	18.7	Ca	0	0	10.1	28.8	-	-	47.86	-19.06
9	.474	30.37	Qp	0	0	10.1	40.47	56.44	-15.97	-	-
10	.474	17.41	Ca	0	0	10.1	27.51	-	-	46.44	-18.93
11	.56625	29.74	Qp	0	0	10.1	39.84	56	-16.16	-	-
12	.564	16.36	Ca	0	0	10.1	26.46	-	-	46	-19.54
13	13.56	29.62	Qp	.1	.2	10.2	40.12	60	-19.88	-	-
14	13.56	19.64	Ca	.1	.2	10.2	30.14	-	-	50	-19.86

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)
15	.159	39.28	Qp	.1	0	10.1	49.48	65.52	-16.04	-	-
16	.159	25.79	Ca	.1	0	10.1	35.99	-	-	55.52	-19.53
17	.23775	34.67	Qp	0	0	10.1	44.77	62.17	-17.4	-	-
18	.23775	19.72	Ca	0	0	10.1	29.82	-	-	52.17	-22.35
19	.3165	33.57	Qp	0	0	10.1	43.67	59.8	-16.13	-	-
20	.31875	18.31	Ca	0	0	10.1	28.41	-	-	49.74	-21.33
21	.39525	31.05	Qp	0	0	10.1	41.15	57.95	-16.8	-	-
22	.3975	16.4	Ca	0	0	10.1	26.5	-	-	47.91	-21.41
23	.47512	30.85	Qp	0	0	10.1	40.95	56.42	-15.47	-	-
24	.47625	16.58	Ca	0	0	10.1	26.68	-	-	46.4	-19.72
25	.555	29.33	Qp	0	0	10.1	39.43	56	-16.57	-	-
26	.555	15.47	Ca	0	0	10.1	25.57	-	-	46	-20.43
27	13.56	29.41	Qp	.1	.2	10.2	39.91	60	-20.09	-	-
28	13.56	19.68	Ca	.1	.2	10.2	30.18	-	-	50	-19.82

Qp - Quasi-Peak detector
Ca - CISPR average detection

END OF REPORT

9. SETUP PHOTOS

Please refer to 12267350-EP1V1 for setup photos