

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.

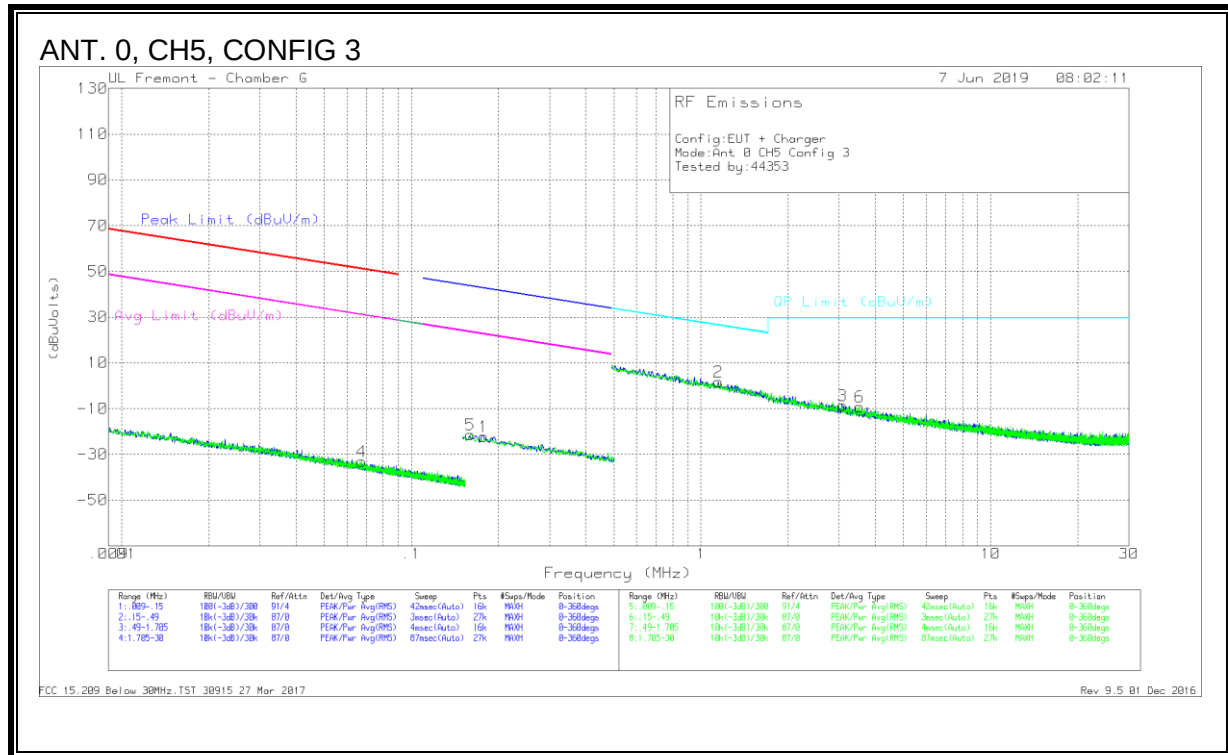
Distance Correction Factor from 3m to 0.5m = $20 \cdot \log(0.5\text{m}/3\text{m}) = -15.56 \text{ dB}$

RESULTS

AVERAGE Emissions Summary

Ant	CH	Config	Payload	Power Setting	Frequency Range						
					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



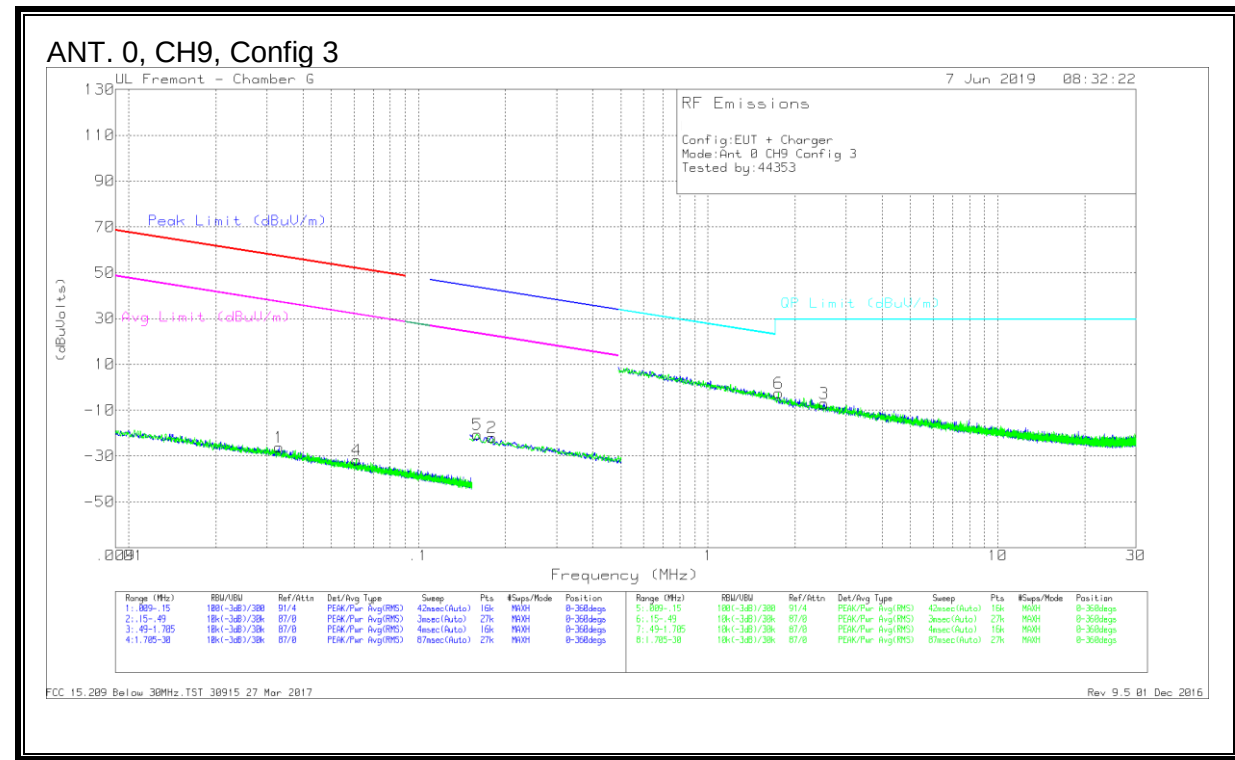
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dBm)	Cables (dB)	Dist Corr 300m	Corrected Reading (dBuV/m)	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)
4	.06734	34.5	Pk	12.3	0	-80	-33.2	51.02	-84.22	31.02	-64.22	-	-	-	-	0-360
5	.16012	47.12	Pk	11.4	.1	-80	-21.38	-	-	-	-	43.53	-64.91	23.53	-44.91	0-360
1	.17769	46.39	Pk	11.3	.1	-80	-22.21	-	-	-	-	42.63	-64.84	22.63	-44.84	0-360

Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dBm)	Cables (dB)	Dist Corr (dB) 40Log	Corrected Reading (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
2	1.14789	30.97	Pk	10.7	.1	-40	1.77	26.43	-24.66	0-360
3	3.08155	20.4	Pk	10.8	.2	-40	-8.6	29.5	-38.1	0-360
6	3.53271	19.89	Pk	10.8	.2	-40	-9.11	29.5	-38.61	0-360

Pk - Peak detector



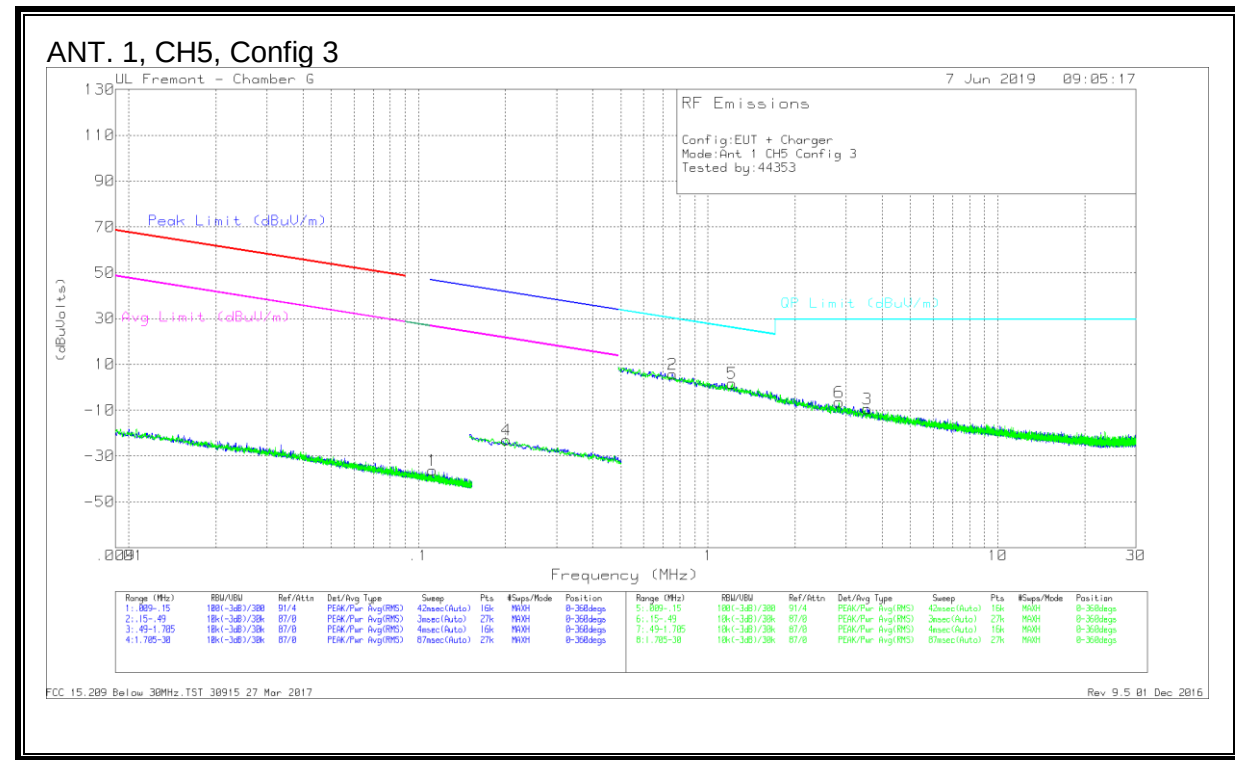
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dBm)	Cables (dB)	Dist Corr 300m	Corrected Reading (dBuV)	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	.03307	39.79	Pk	13.9	0	-80	-26.31	57.2	-83.51	37.2	-63.51	-	-	-	-	0-360
4	.06112	35.73	Pk	12.4	0	-80	-31.87	51.86	-83.73	31.86	-63.73	-	-	-	-	0-360
5	.15996	47.79	Pk	11.4	.1	-80	-20.71	-	-	-	-	43.54	-64.25	23.54	-44.25	0-360
2	.17945	46.66	Pk	11.3	.1	-80	-21.94	-	-	-	-	42.54	-64.48	22.54	-44.48	0-360

Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dBm)	Cables (dB)	Dist Corr (dB) 40Log	Corrected Reading (dBuV)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
6	1.75059	26.76	Pk	10.7	.1	-40	-2.44	29.5	-31.94	0-360
3	2.52349	21.81	Pk	10.8	.2	-40	-7.19	29.5	-36.69	0-360

Pk - Peak detector



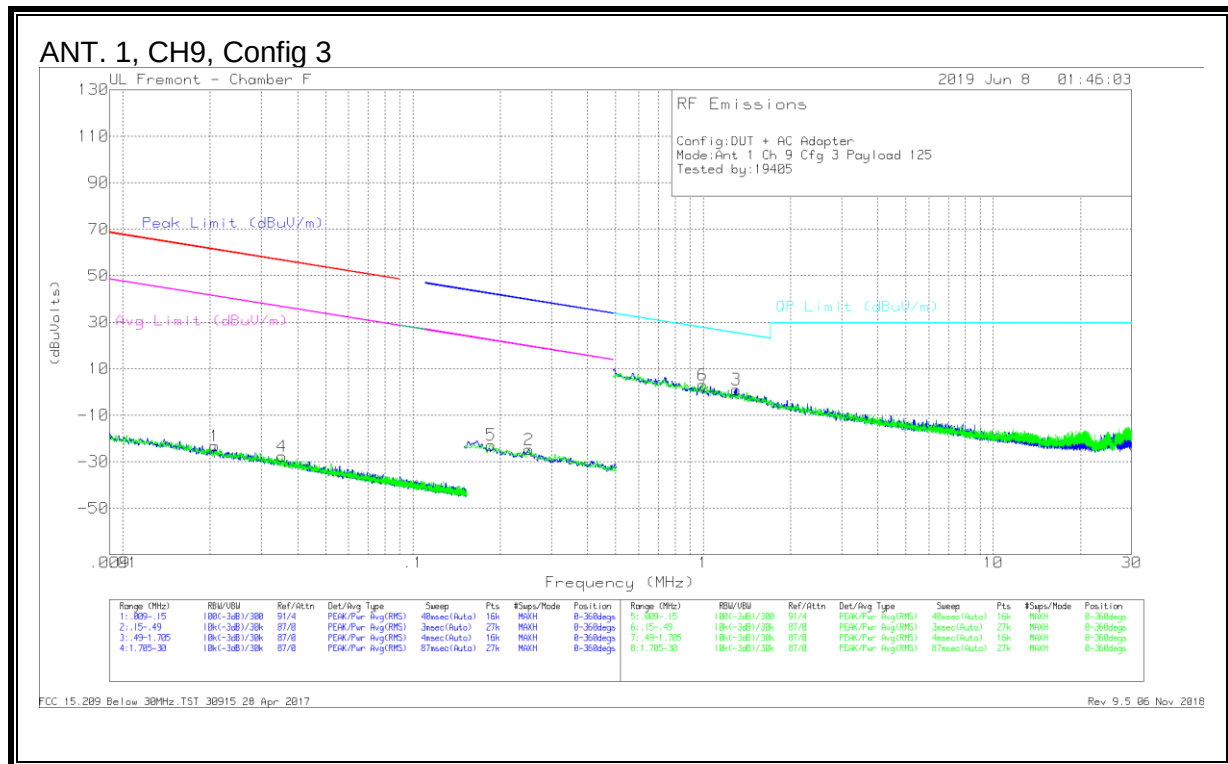
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dBm)	Cables (dB)	Dist Corr 300m	Corrected Reading (dBuV)	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	.11187	31.86	Pk	11.7	.1	-80	-36.34	46.65	-82.99	26.65	-62.99	0-360	1	.11187	31.86	Pk
4	.20134	45.65	Pk	11.2	.1	-80	-23.05	41.54	-64.59	21.54	-44.59	0-360	4	.20134	45.65	Pk

Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dBm)	Cables (dB)	Dist Corr (dB) 40Log	Corrected Reading (dBuV)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
2	.75433	34.84	Pk	10.7	.1	-40	5.64	30.06	-24.42	0-360
5	1.21048	30.88	Pk	10.7	.1	-40	1.68	25.97	-24.29	0-360
6	2.8337	22.42	Pk	10.8	.2	-40	-6.58	29.5	-36.08	0-360
3	3.55262	19.55	Pk	10.8	.2	-40	-9.45	29.5	-38.95	0-360

Pk - Peak detector



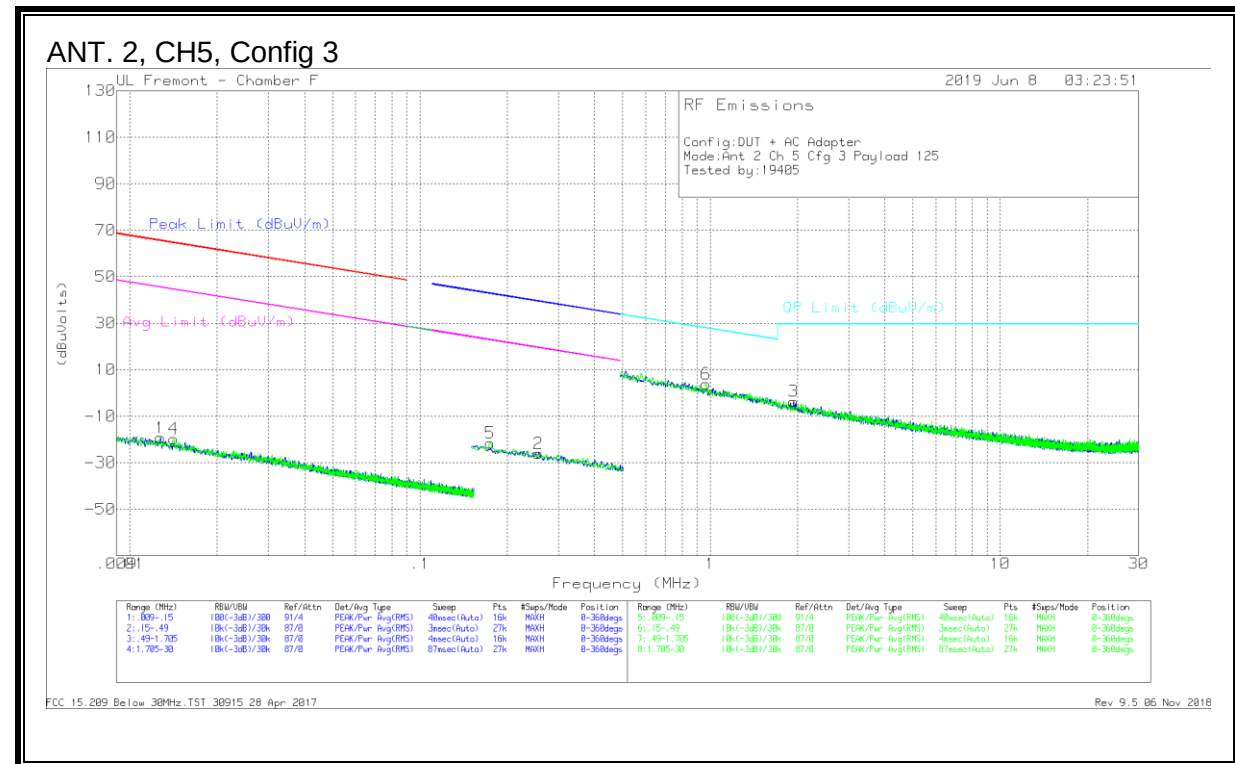
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dBm)	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	.02074	41.53	Pk	15.3	0	-80	-23.17	61.25	-84.42	41.25	-64.42	-	-	-	-	0-360
2	.2509	43.65	Pk	11.5	.1	-80	-24.75	-	-	-	-	39.62	-64.37	19.62	-44.37	0-360
4	.03536	38.46	Pk	13.9	0	-80	-27.64	56.61	-84.25	36.61	-64.25	-	-	-	-	0-360
5	.18585	45.51	Pk	11.6	.1	-80	-22.79	-	-	-	-	42.24	-65.03	22.24	-45.03	0-360

Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dBm)	Cables (dB)	Dist Corr (dB) 40Log	EIRP (dBuVolts)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
3	1.30122	29.41	Pk	11.6	.1	-40	1.11	25.34	-24.23	0-360
6	.99646	31.4	Pk	11.5	.1	-40	3	27.65	-24.65	0-360

Pk - Peak detector



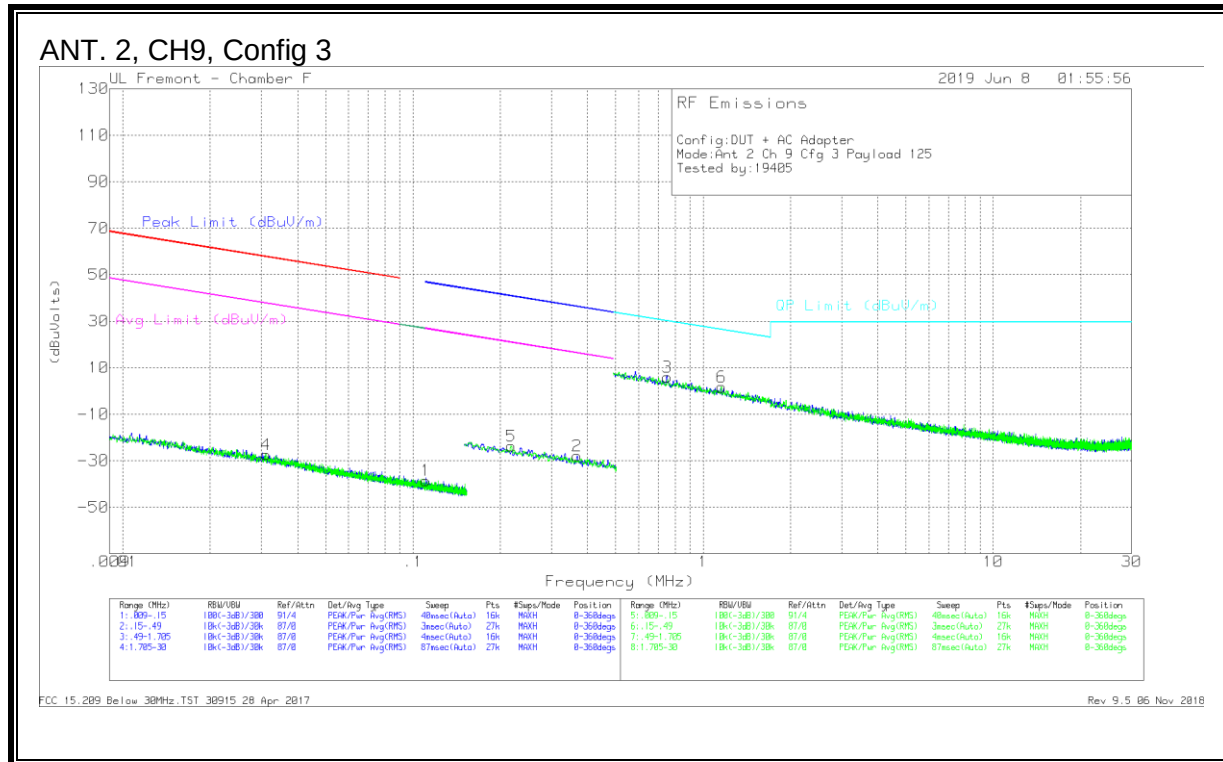
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dBm)	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	.01275	42.37	Pk	18.4	0	-80	-19.23	65.47	-84.7	45.47	-64.7	-	-	-	-	0-360
2	.25591	42.41	Pk	11.5	.1	-80	-25.99	-	-	-	-	39.45	-65.44	19.45	-45.44	0-360
4	.01418	42.56	Pk	17.8	0	-80	-19.64	64.55	-84.19	44.55	-64.19	-	-	-	-	0-360
5	.17449	46.78	Pk	11.6	.1	-80	-21.52	-	-	-	-	42.79	-64.31	22.79	-44.31	0-360

Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dBm)	Cables (dB)	Dist Corr (dB) 40Log	Corrected Reading (dBuVolts)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
3	1.93975	24.49	Pk	11.7		-40	-3.61	29.5	-33.11	0-360
6	.968	32.34	Pk	11.5	.1	-40	3.94	27.9	-23.96	0-360

Pk - Peak detector



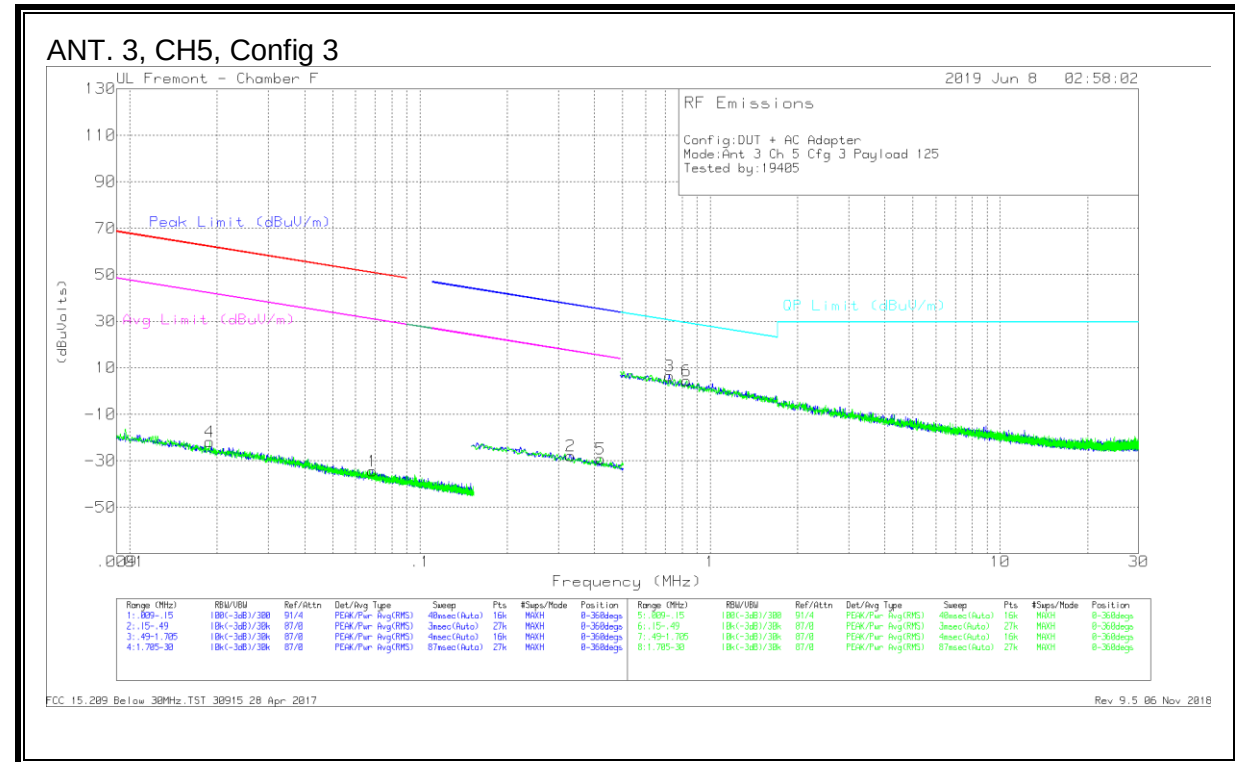
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dBm)	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	.1107	29.78	Pk	11.7	0	-80	-38.52	-	-	-	-	46.74	-85.26	26.74	-65.26	0-360
2	.36786	40.53	Pk	11.5	.1	-80	-27.87	-	-	-	-	36.29	-64.16	16.29	-44.16	0-360
4	.03111	38.3	Pk	14.3	0	-80	-27.4	57.73	-85.13	37.73	-65.13	-	-	-	-	0-360
5	.21802	44.65	Pk	11.5	.1	-80	-23.75	-	-	-	-	40.85	-64.6	20.85	-44.6	0-360

Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dBm)	Cables (dB)	Dist Corr (dB) 40Log	EIRP (dBuVolts)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
3	.75243	34.35	Pk	11.5		-40	5.95	30.09	-24.14	0-360
6	1.15781	30.09	Pk	11.5	.1	-40	1.69	26.35	-24.66	0-360

Pk - Peak detector



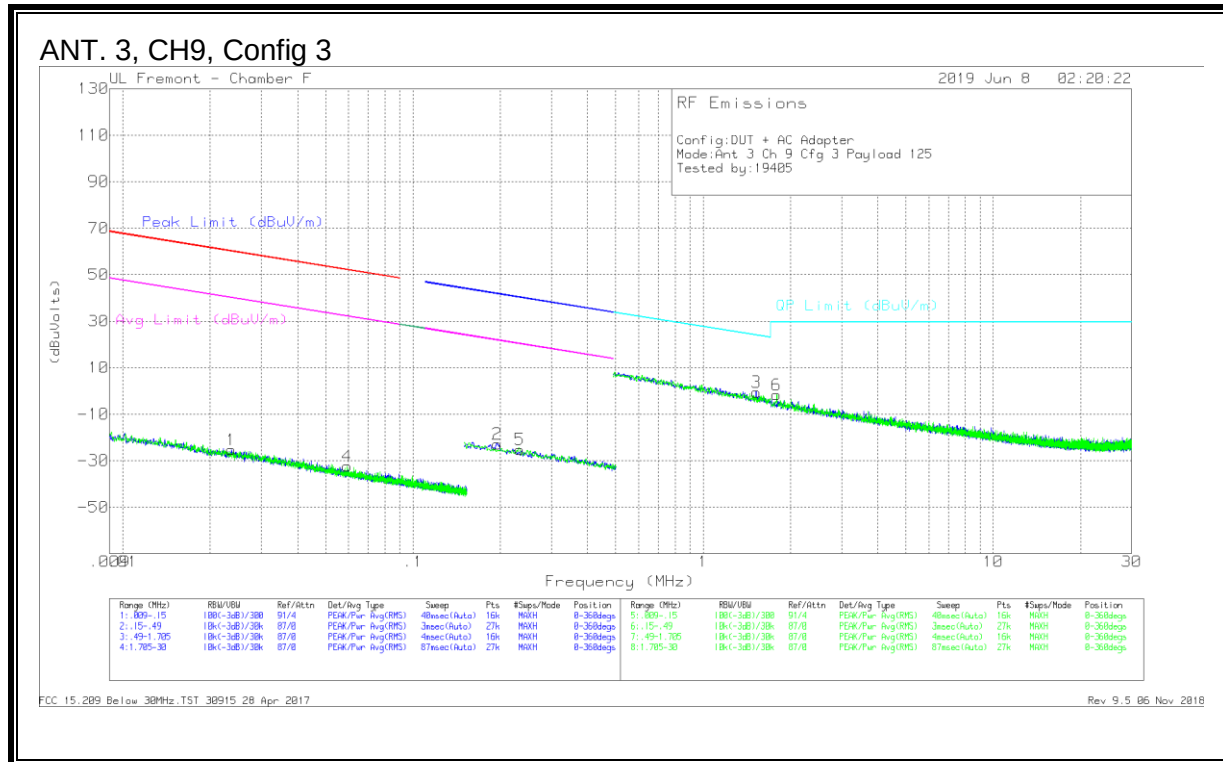
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dBm)	Cables (dB)	Dist Corr 300m	EIRP (dBuV/m)	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	.06863	33.52	Pk	12	0	-80	-34.48	50.85	-85.33	30.85	-65.33	-	-	-	-	0-360
2	.3306	40.44	Pk	11.5	.1	-80	-27.96	-	-	-	-	37.22	-65.18	17.22	-45.18	0-360
4	.01883	42.22	Pk	15.9	0	-80	-21.88	62.09	-83.97	42.09	-63.97	-	-	-	-	0-360
5	.41909	39.22	Pk	11.5	.1	-80	-29.18	-	-	-	-	35.16	-64.34	15.16	-44.34	0-360

Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dBm)	Cables (dB)	Dist Corr (dB) 40Log	EIRP (dBuV/m)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
3	.72385	34.86	Pk	11.5	.1	-40	6.46	30.42	-23.96	0-360
6	.82968	32.78	Pk	11.5	.1	-40	4.38	29.24	-24.86	0-360

Pk - Peak detector



Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dBm)	Cables (dB)	Dist Corr 300m	EIRP (dBuVolts)	Peak Limit (dBuV/m)	Margin	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	.02363	39.73	Pk	15	0	-80	-25.27	60.11	-85.38	40.11	-65.38	-	-	-	-	0-360
2	.19506	45.5	Pk	11.6	.1	-80	-22.8	-	-	-	-	41.82	-64.62	21.82	-44.62	0-360
4	.05935	35.43	Pk	12.2	0	-80	-32.37	52.12	-84.49	32.12	-64.49	-	-	-	-	0-360
5	.2333	43.24	Pk	11.5	.1	-80	-25.16	-	-	-	-	40.26	-65.42	20.26	-45.42	0-360

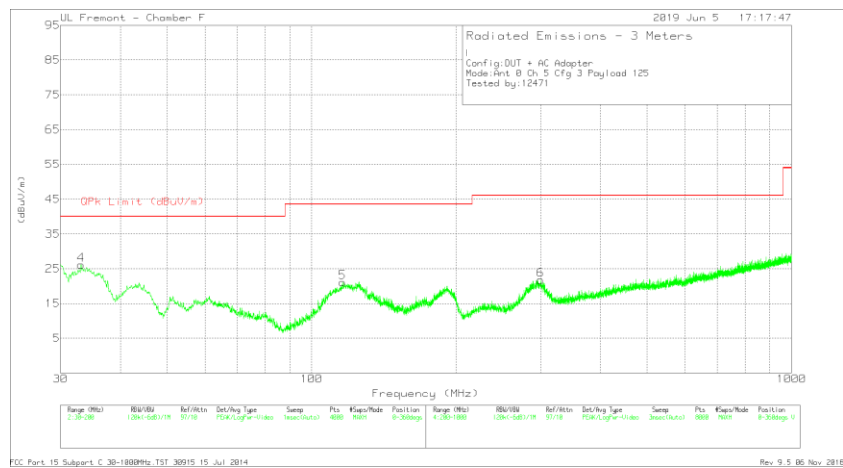
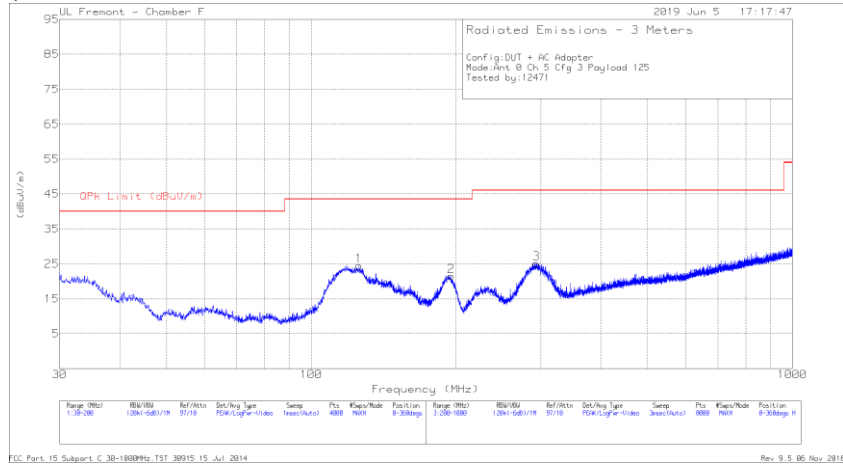
Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dBm)	Cables (dB)	Dist Corr (dB) 40Log	EIRP (dBuVolts)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
3	1.52573	27.8	Pk	11.6	.1	-40	-5	23.96	-24.46	0-360
6	1.79408	26.5	Pk	11.7	.1	-40	-1.7	29.5	-31.2	0-360

Pk - Peak detector

8.4.2. AVERAGE EMISSIONS, 30 – 960 MHz

ANT. 0, CH5, CONFIG 3

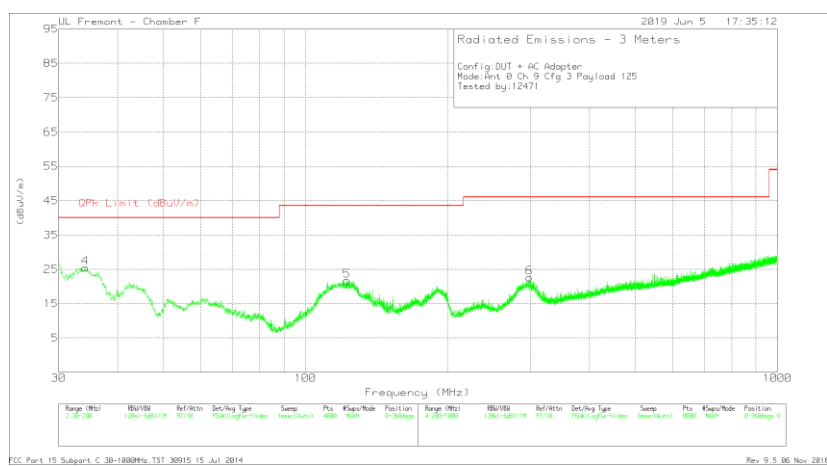
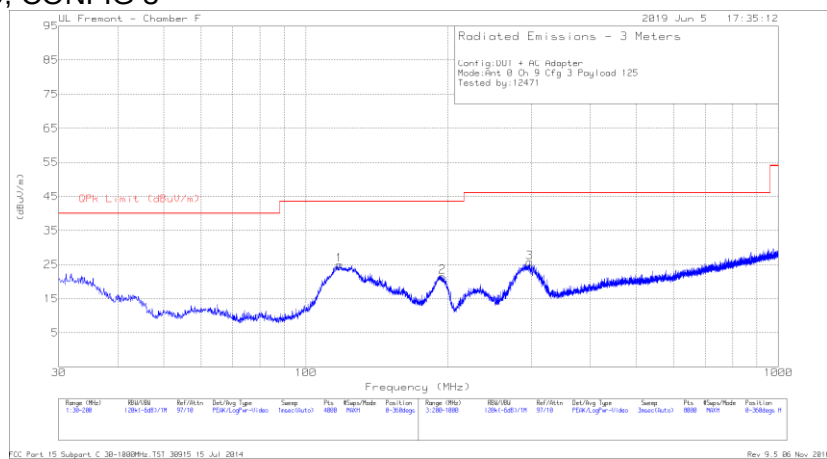


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T900 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPK Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 125.6072	37.73	Pk	17.8	-31	24.53	43.52	-18.99	0-360	199	H
2	195.4103	35.9	Pk	16.1	-30.5	21.5	43.52	-22.02	0-360	98	H
4	33.1033	34.95	Pk	23.1	-31.9	26.15	40	-13.85	0-360	100	V
5	* 116.0848	34.82	Pk	17.3	-31	21.12	43.52	-22.4	0-360	100	V
3	293.6122	37.74	Pk	17.3	-29.9	25.14	46.02	-20.88	0-360	100	H
6	300.213	34.29	Pk	17.4	-29.9	21.79	46.02	-24.23	0-360	100	V

Pk - Peak detector

ANT. 0, CH9, CONFIG 3

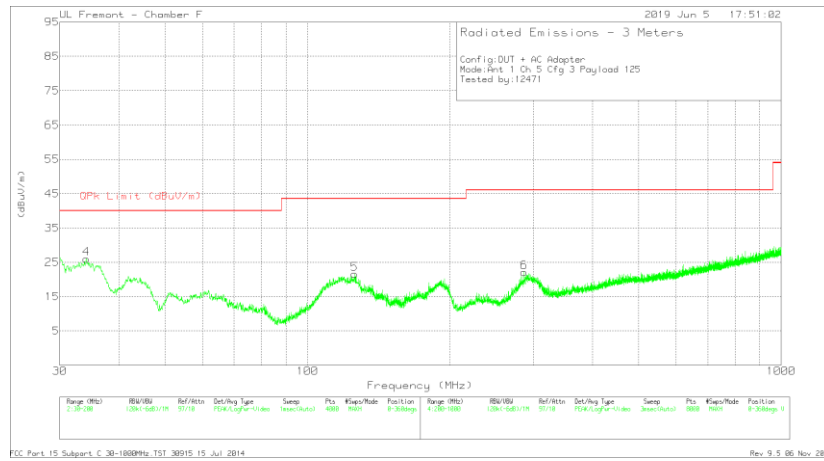
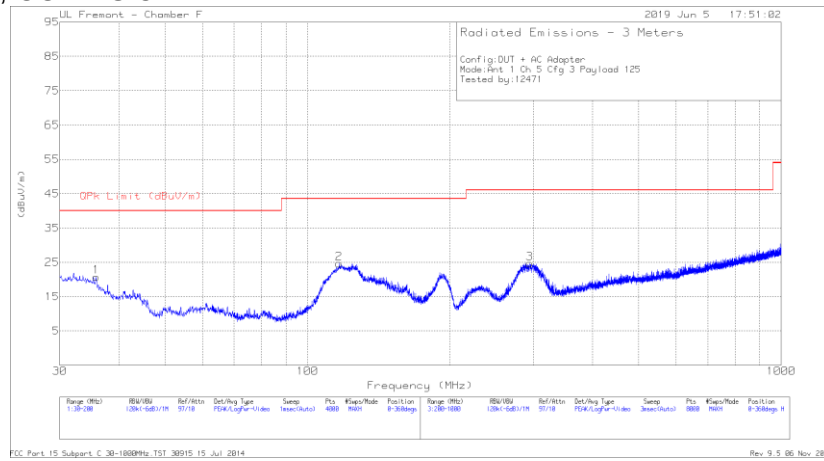


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T900 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 117.8702	38.61	Pk	17.5	-31.1	25.01	43.52	-18.51	0-360	199	H
2	194.4325	36.12	Pk	15.9	-30.5	21.52	43.52	-22	0-360	98	H
4	34.1661	34.99	Pk	22.4	-31.9	25.49	40	-14.51	0-360	100	V
5	* 122.4189	34.99	Pk	17.7	-31	21.69	43.52	-21.83	0-360	100	V
3	297.4127	38.28	Pk	17.3	-29.9	25.68	46.02	-20.34	0-360	100	H
6	298.1128	35.22	Pk	17.3	-29.9	22.62	46.02	-23.4	0-360	199	V

Pk - Peak detector

ANT.1, CH5, CONFIG 3

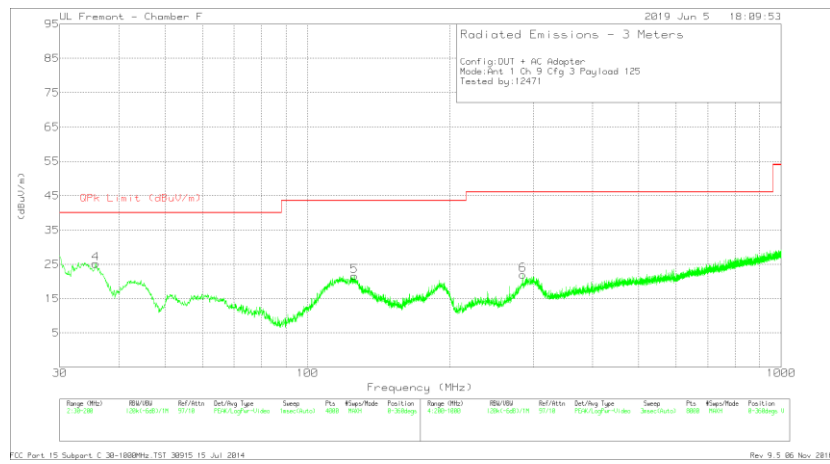
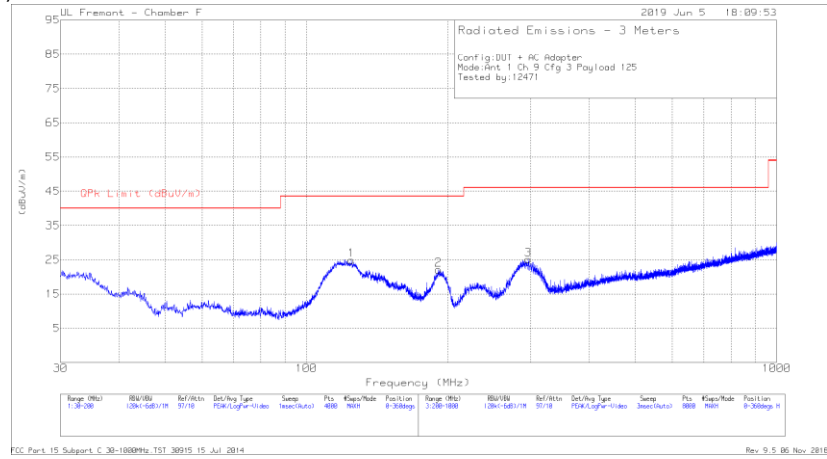


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T900 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	35.7815	31.28	Pk	21.4	-31.9	20.78	40	-19.22	0-360	299	H
2	* 116.5099	38.28	Pk	17.4	-31	24.68	43.52	-18.84	0-360	299	H
4	34.1236	35.55	Pk	22.4	-31.9	26.05	40	-13.95	0-360	100	V
5	* 125.6923	34.83	Pk	17.8	-31	21.63	43.52	-21.89	0-360	100	V
3	294.3123	37.18	Pk	17.3	-29.8	24.68	46.02	-21.34	0-360	99	H
6	286.7113	34.85	Pk	17.3	-30	22.15	46.02	-23.87	0-360	99	V

Pk - Peak detector

ANT. 1, CH9, CONFIG 3

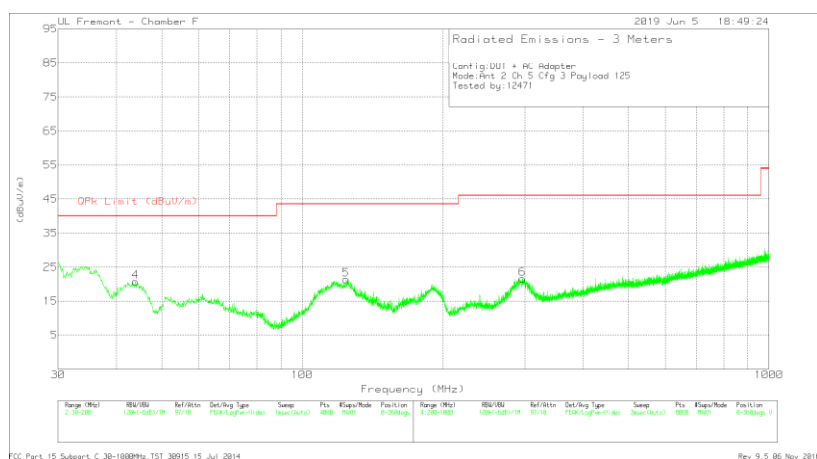
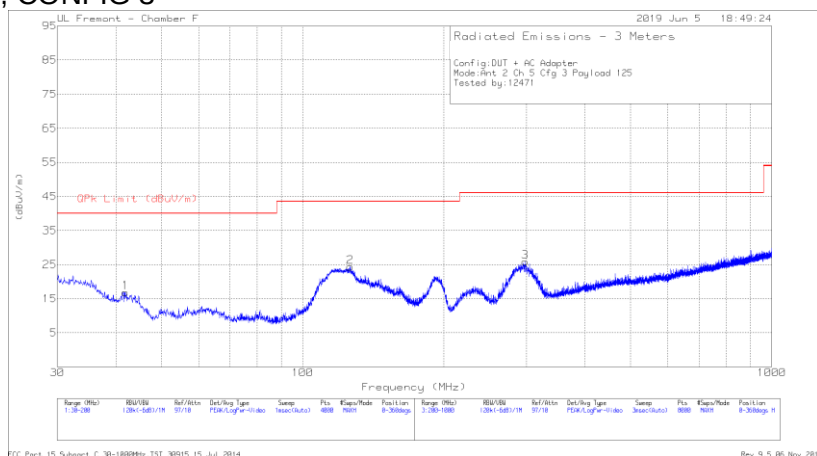


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T900 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 124.6082	38.12	Pk	17.8	-31	24.92	43.52	-18.6	0-360	199	H
2	191.0742	37.25	Pk	15.4	-30.5	22.15	43.52	-21.37	0-360	98	H
4	35.6965	35.69	Pk	21.4	-31.9	25.19	40	-14.81	0-360	100	V
5	* 125.5222	34.83	Pk	17.8	-31	21.63	43.52	-21.89	0-360	100	V
3	296.3125	37.67	Pk	17.3	-29.9	25.07	46.02	-20.95	0-360	99	H
6	* 284.811	34.72	Pk	17.3	-30	22.02	46.02	-24	0-360	99	V

Pk - Peak detector

ANT. 2, CH5, CONFIG 3

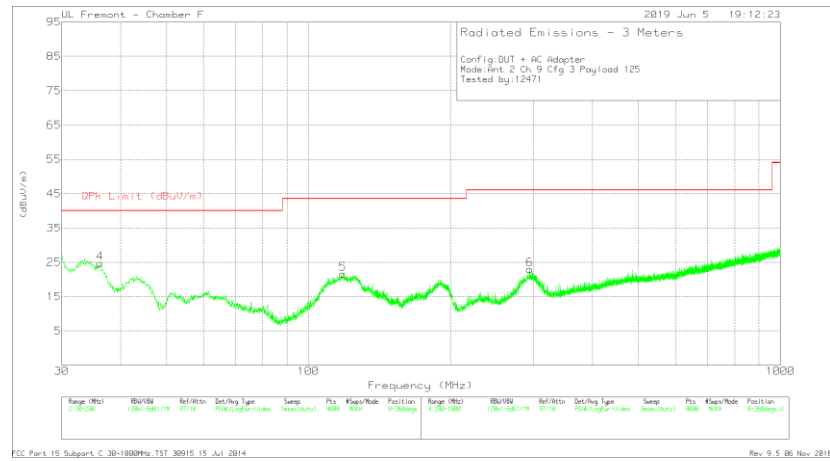
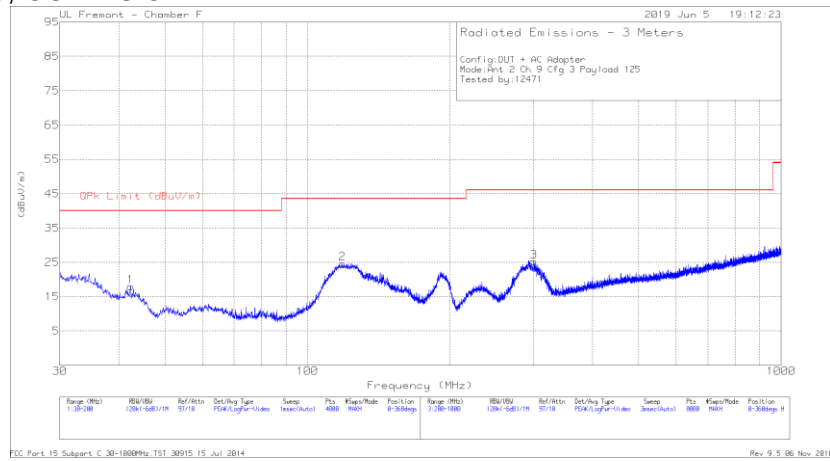


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T900 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	41.8606	31.78	Pk	16.9	-31.8	16.88	40	-23.12	0-360	399	H
2	* 126.3299	37.55	Pk	17.8	-31	24.35	43.52	-19.17	0-360	199	H
4	43.9436	37.11	Pk	15.3	-31.7	20.71	40	-19.29	0-360	100	V
5	* 124.0343	34.63	Pk	17.7	-31	21.33	43.52	-22.19	0-360	100	V
3	298.2128	38.44	Pk	17.3	-29.9	25.84	46.02	-20.18	0-360	99	H
6	296.3125	34.19	Pk	17.3	-29.9	21.59	46.02	-24.43	0-360	99	V

Pk - Peak detector

ANT. 2, CH9, CONFIG 3

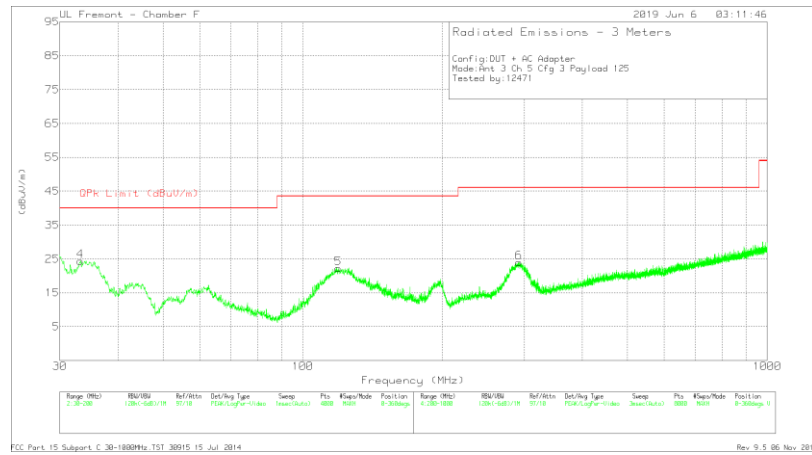
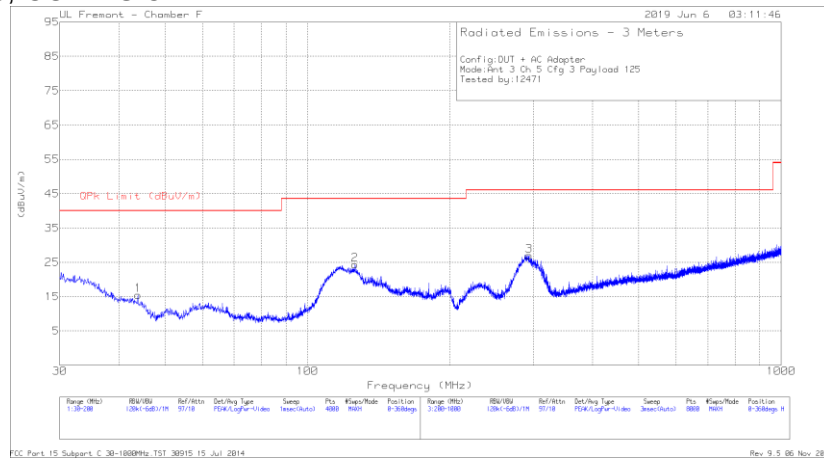


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T900 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	42.3282	33.27	Pk	16.5	-31.8	17.97	40	-22.03	0-360	399	H
2	* 118.4229	38.14	Pk	17.5	-31.1	24.54	43.52	-18.98	0-360	299	H
4	36.1854	35.47	Pk	21.1	-31.8	24.77	40	-15.23	0-360	100	V
5	* 118.3379	35.25	Pk	17.5	-31.1	21.65	43.52	-21.87	0-360	100	V
3	300.313	37.71	Pk	17.4	-29.9	25.21	46.02	-20.81	0-360	99	H
6	294.2122	35.49	Pk	17.3	-29.8	22.99	46.02	-23.03	0-360	99	V

Pk - Peak detector

ANT. 3, CH5, CONFIG 3

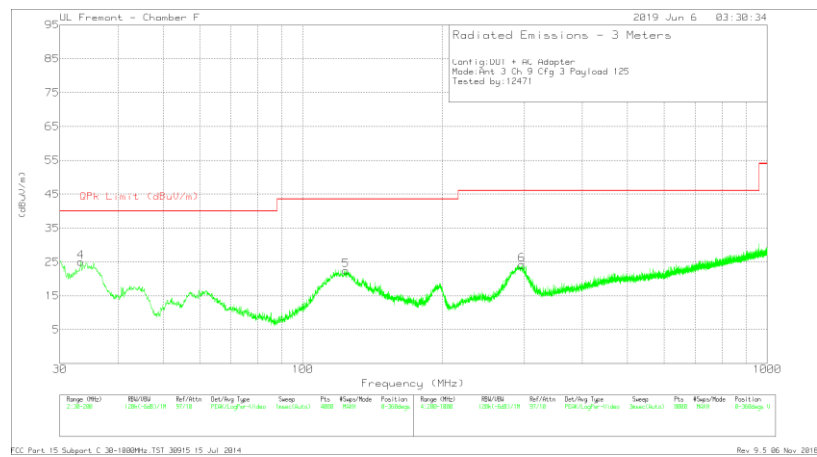
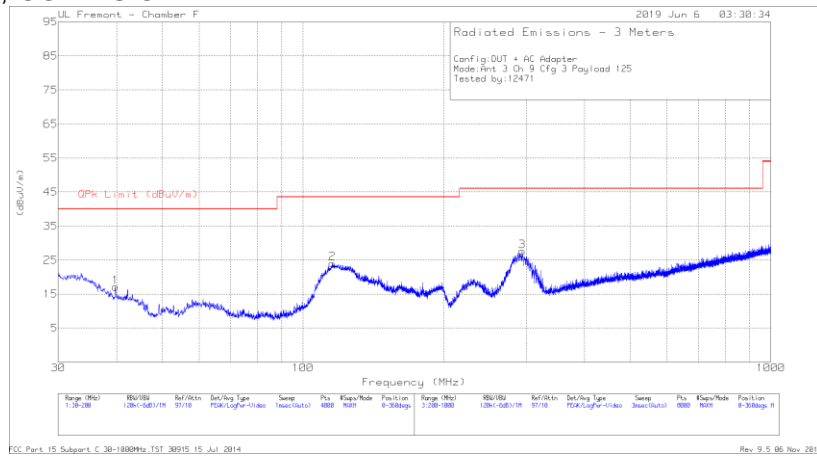


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T900 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	43.8798	31.78	Pk	15.4	-31.7	15.48	40	-24.52	0-360	399	H
2	* 125.9898	37.52	Pk	17.8	-31	24.32	43.52	-19.2	0-360	199	H
4	33.2308	33.3	Pk	23	-31.9	24.4	40	-15.6	0-360	100	V
5	* 119.1881	35.75	Pk	17.6	-31.1	22.25	43.52	-21.27	0-360	100	V
3	293.5122	39.61	Pk	17.3	-29.9	27.01	46.02	-19.01	0-360	99	H
6	292.212	36.62	Pk	17.3	-29.9	24.02	46.02	-22	0-360	99	V

Pk - Peak detector

ANT. 3, CH9, CONFIG 3

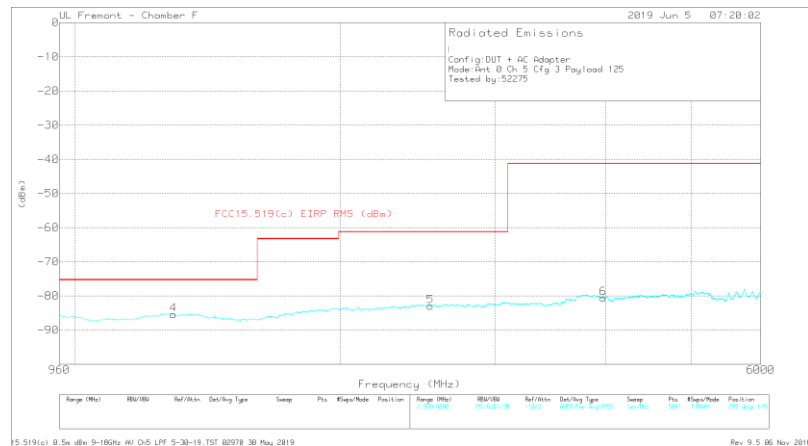


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T900 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPK Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	39.735	30.35	Pk	18.5	-31.8	17.05	40	-22.95	0-360	299	H
2	*115.6597	37.74	Pk	17.3	-31	24.04	43.52	-19.48	0-360	299	H
4	33.2733	33.93	Pk	23	-31.9	25.03	40	-14.97	0-360	100	V
5	*123.9281	35.83	Pk	17.7	-31	22.53	43.52	-20.99	0-360	100	V
3	294.1122	40.1	Pk	17.3	-29.8	27.6	46.02	-18.42	0-360	99	H
6	296.4125	36.78	Pk	17.3	-29.9	24.18	46.02	-21.84	0-360	99	V

Pk - Peak detector

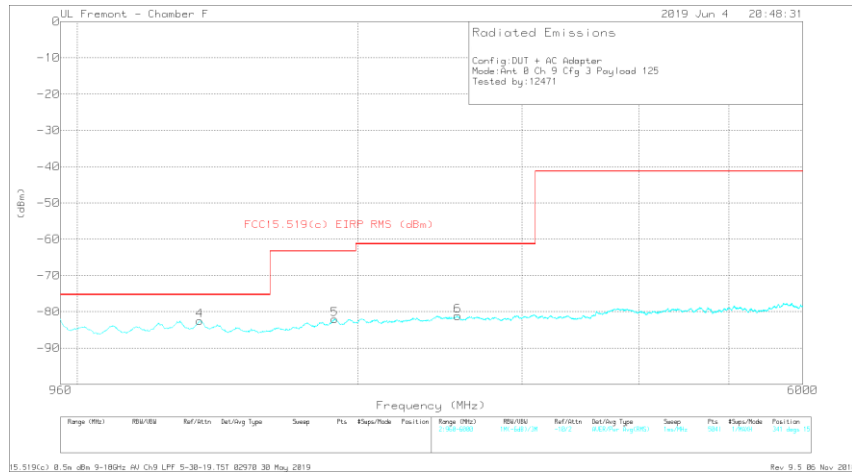
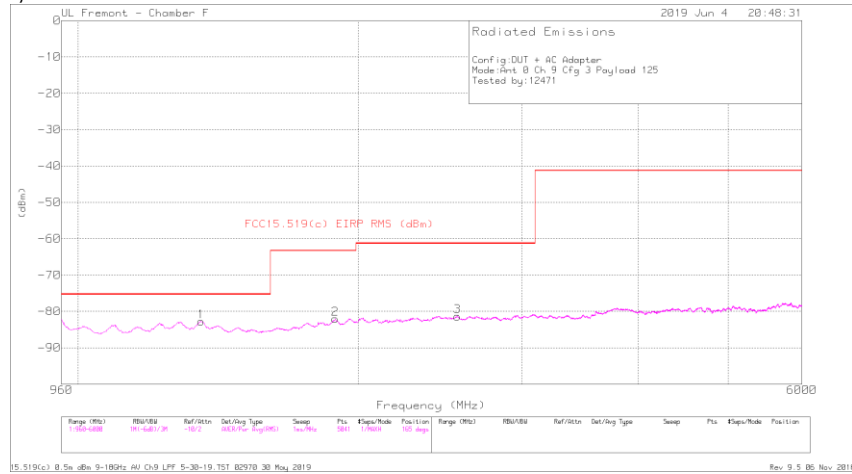
ANT. 0, CH5, CONFIG 3



Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Amp/Ctrl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CMS_LPF (dB)	EIRP (dBm)	FCCL53.53(C) EIRP RMS	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1295	-81.05	RMS	29	-30.1	-15.5	11.8	2	-85.65	-75.3	-10.35	151	149	H
2	2456	-82.6	RMS	32.4	-29.4	-15.3	11.8	3	-83.4	-71.8	-12.8	149	149	H
3	3847	-81.99	RMS	33.7	-28.6	-15.5	11.8	3	-80.29	-61.3	-38.99	0	149	V
4	1293	-80.82	RMS	29	-30.1	-15.5	11.8	2	-85.42	-75.3	-10.12	319	149	V
5	2531	-82.46	RMS	32.4	-29.4	-15.5	11.8	2	-82.96	-61.3	-21.66	360	149	V
6	3976	-82.96	RMS	33.7	-28.3	-15.5	11.8	6	-80.66	-41.3	-39.36	319	149	V

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

ANT. 0, CH9, CONFIG 3



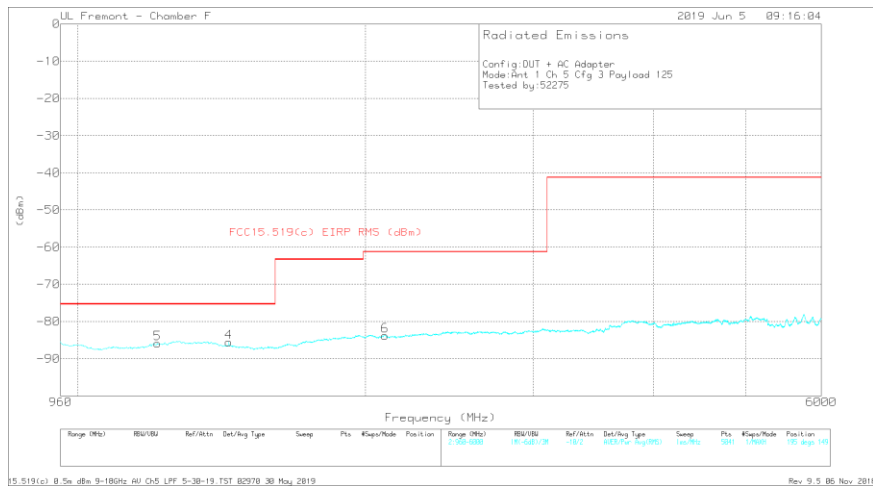
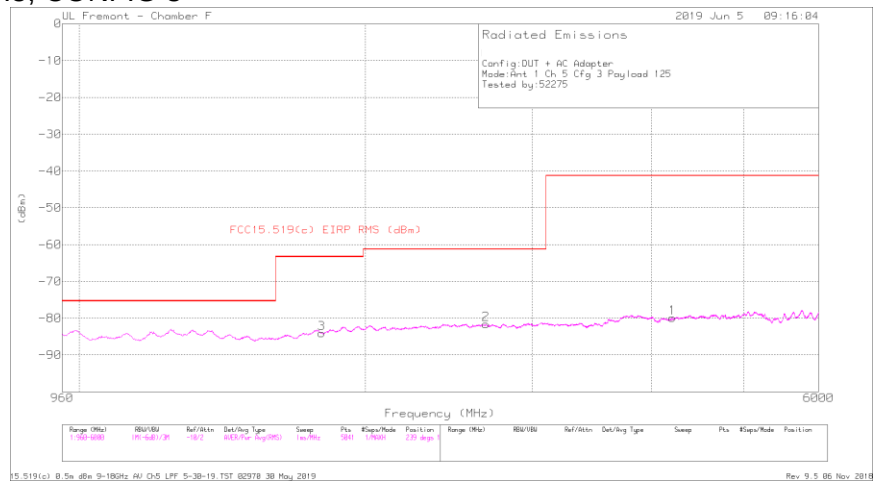
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	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	1356	-78.46	RMS	29.3	-30.2	-15.5	11.8	.3	-82.76	-75.3	-7.46	341	151	H
2	1891	-79.65	RMS	30.7	-29.6	-15.5	11.8	.2	-82.05	-63.3	-18.75	341	151	H
3	2558	-80.85	RMS	32.4	-29.4	-15.5	11.8	.2	-81.35	-61.3	-20.05	341	151	H
4	1354	-78.15	RMS	29.3	-30.2	-15.5	11.8	.3	-82.45	-75.3	-7.15	360	151	V
5	1889	-79.85	RMS	30.8	-29.5	-15.5	11.8	.2	-82.05	-63.3	-18.75	360	151	V
6	2559	-80.59	RMS	32.4	-29.4	-15.5	11.8	.2	-81.09	-61.3	-19.79	341	151	V

RMS - RMS detection

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

ANT. 1, CH5, CONFIG 3



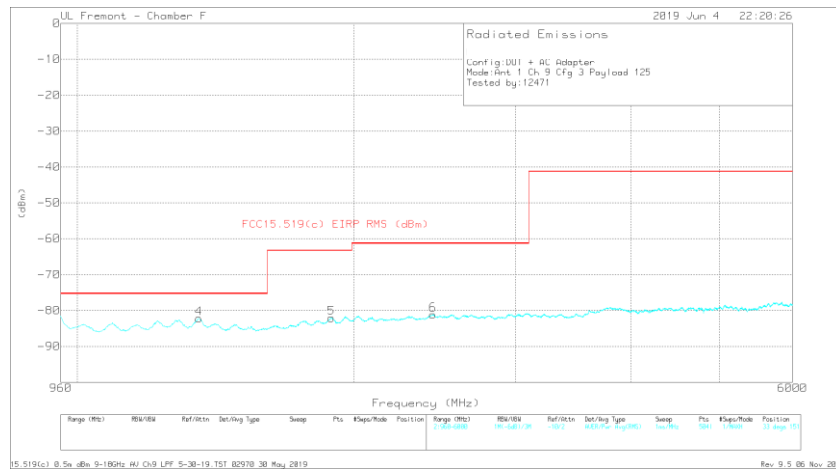
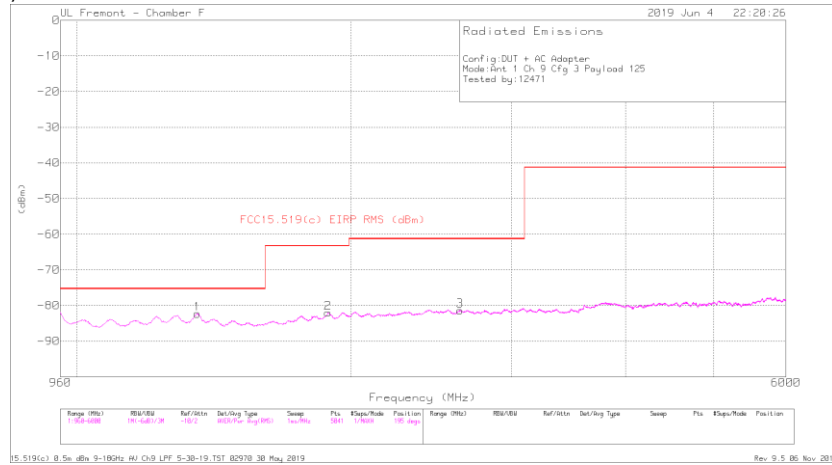
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH5 LFF (dB)	EIRP (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	4208	-82.36	RMS	33.7	-28.1	-15.5	11.8	.6	-79.86	-41.3	-38.56	283	149	H
2	2679	-81.37	RMS	32.4	-29.2	-15.5	11.8	.3	-81.57	-61.3	-20.27	326	149	H
3	1799	-81.18	RMS	30.1	-29.6	-15.5	11.8	.3	-84.08	-63.3	-20.78	0	149	H
4	1440	-80.24	RMS	28.2	-30	-15.5	11.8	.2	-85.54	-75.3	-10.24	63	149	V
5	1213	-80.38	RMS	28.4	-30.4	-15.5	11.8	.2	-85.88	-75.3	-10.58	173	149	V
6	2097	-82.29	RMS	31.4	-29.4	-15.5	11.8	.2	-83.79	-61.3	-22.49	305	149	V

RMS - RMS detection

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

ANT. 1, CH9, CONFIG 3



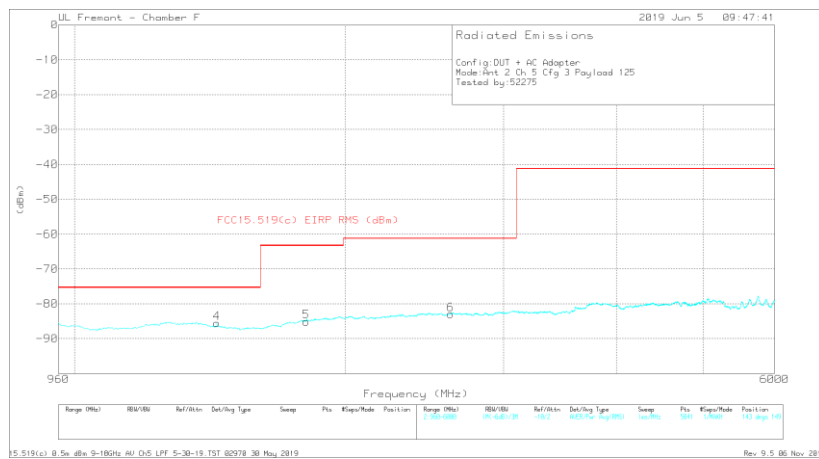
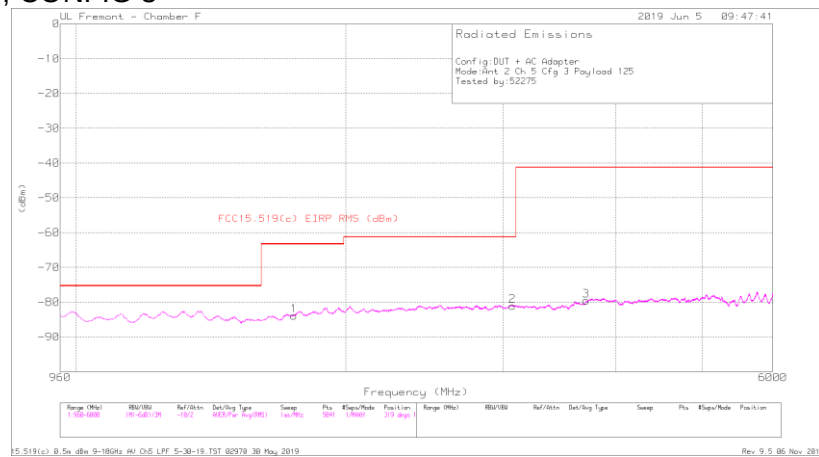
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Ampl/Chl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9 LFF (dB)	EIRP (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1357	-78	RMS	29.3	-30.2	-15.5	11.8	.3	-82.3	-75.3	-7	64	151	H
2	1887	-79.83	RMS	30.8	-29.5	-15.5	11.8	.2	-82.03	-63.3	-18.73	64	151	H
3	2634	-81.57	RMS	32.5	-29.1	-15.5	11.8	.5	-81.37	-61.3	-20.07	261	151	H
4	1357	-77.9	RMS	29.3	-30.2	-15.5	11.8	.3	-82.2	-75.3	-6.9	187	151	V
5	1890	-79.88	RMS	30.8	-29.5	-15.5	11.8	.2	-82.08	-63.3	-18.78	341	151	V
6	2438	-80.77	RMS	32.3	-29.3	-15.5	11.8	.3	-81.17	-61.3	-19.87	56	151	V

RMS - RMS detection

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

ANT. 2, CH5, CONFIG 3



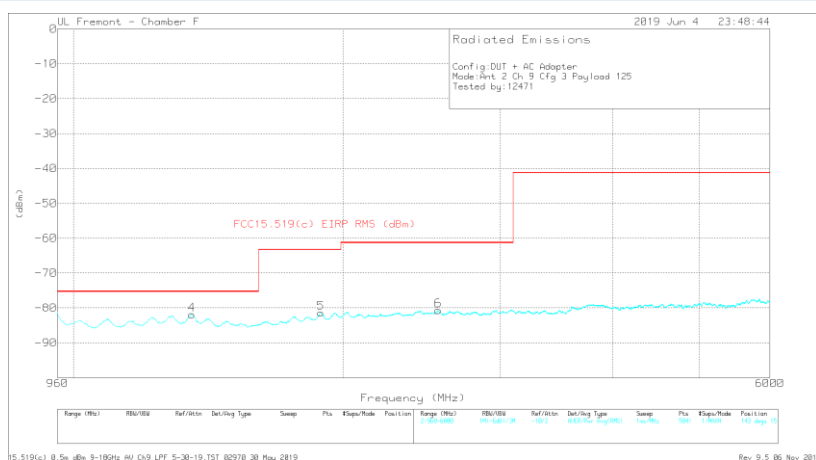
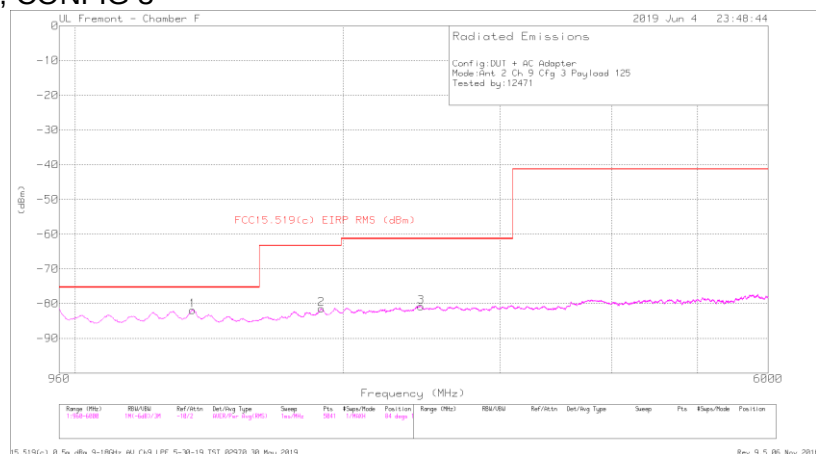
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	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	1751	-80.38	RMS	29.8	-29.9	-15.5	11.8	.3	-83.88	-63.3	-20.58	319	149	H
2	3071	-81.68	RMS	33	-29	-15.5	11.8	.3	-81.08	-61.3	-19.78	253	149	H
3	3711	-81.07	RMS	33.1	-28.4	-15.5	11.8	.5	-79.57	-41.3	-38.27	253	149	H
4	1440	-80.2	RMS	28.2	-30	-15.5	11.8	.2	-85.5	-75.3	-10.2	99	149	V
5	1809	-82.19	RMS	30.1	-29.5	-15.5	11.8	.2	-85.09	-63.3	-21.79	121	149	V
6	2618	-82.54	RMS	32.4	-29.3	-15.5	11.8	.2	-82.94	-61.3	-21.64	143	149	V

RMS - RMS detection

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

ANT. 2, CH9, CONFIG 3



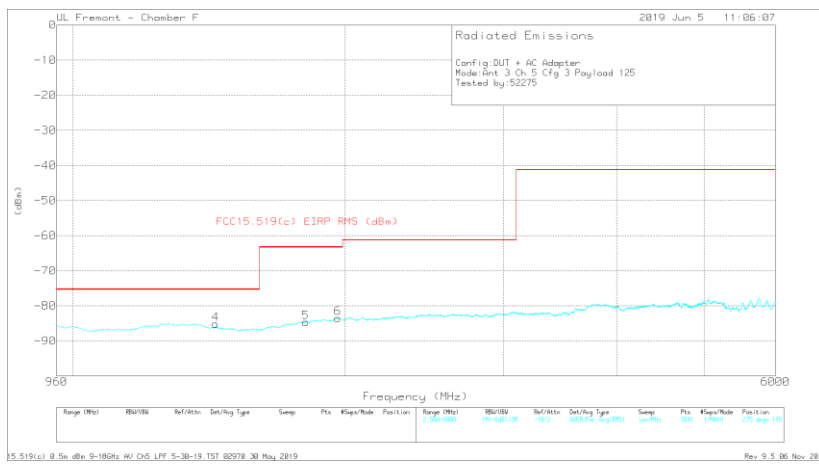
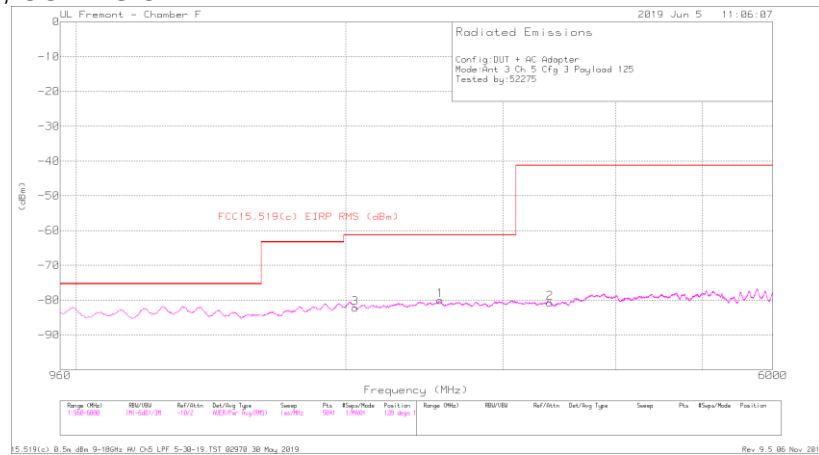
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Ampl/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	-77.6	RMS	29.3	-30.2	-15.5	11.8	.3	-81.9	-75.3	-6.6	63	151	H
2	1890	-79.23	RMS	30.8	-29.5	-15.5	11.8	.2	-81.43	-63.3	-18.13	217	151	H
3	2446	-80.31	RMS	32.3	-29.4	-15.5	11.8	.3	-80.81	-61.3	-19.51	84	151	H
4	1356	-77.58	RMS	29.3	-30.2	-15.5	11.8	.3	-81.88	-75.3	-6.58	99	151	V
5	1891	-78.97	RMS	30.7	-29.6	-15.5	11.8	.2	-81.37	-63.3	-18.07	121	151	V
6	2556	-80.04	RMS	32.3	-29.4	-15.5	11.8	.2	-80.64	-61.3	-19.34	360	151	V

RMS - RMS detection

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

ANT. 3, CH5, CONFIG 3



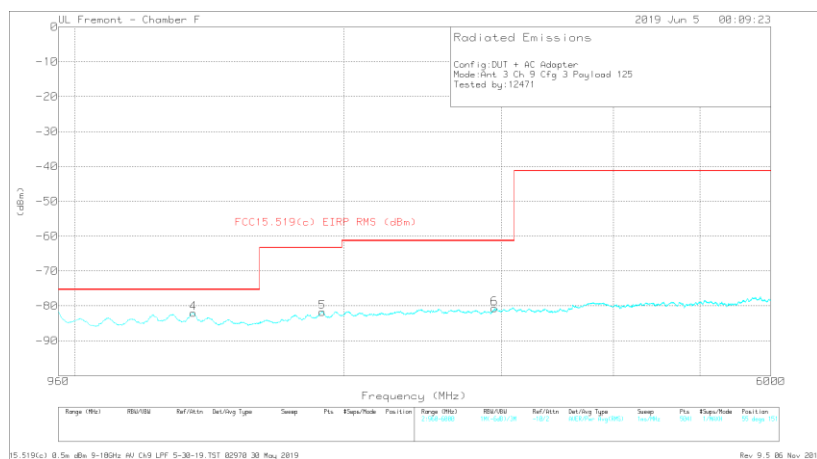
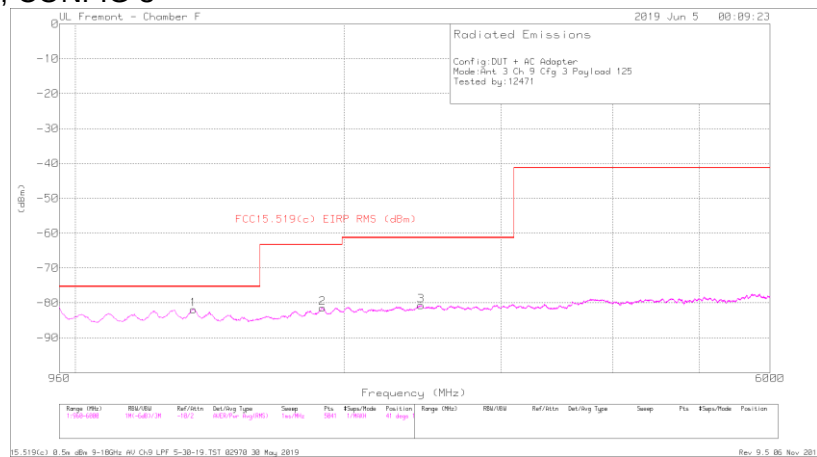
Trace Markers

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	2550	-79.47	RMS	32.3	-29.4	-15.5	11.8	.3	-79.97	-61.3	-18.67	0	149	H
2	3382	-81.41	RMS	32.7	-28.7	-15.5	11.8	.4	-80.71	-41.3	-39.41	19	149	H
3	2049	-80.42	RMS	31.3	-29.6	-15.5	11.8	.2	-82.22	-61.3	-20.92	41	149	H
4	1440	-79.87	RMS	28.2	-30	-15.5	11.8	.2	-85.17	-75.3	-9.87	99	149	V
5	1811	-81.86	RMS	30.2	-29.5	-15.5	11.8	.2	-84.66	-63.3	-21.36	275	149	V
6	1966	-81.72	RMS	31.2	-29.5	-15.5	11.8	.2	-83.52	-63.3	-20.22	165	149	V

RMS - RMS detection

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

ANT. 3, CH9, CONFIG 3



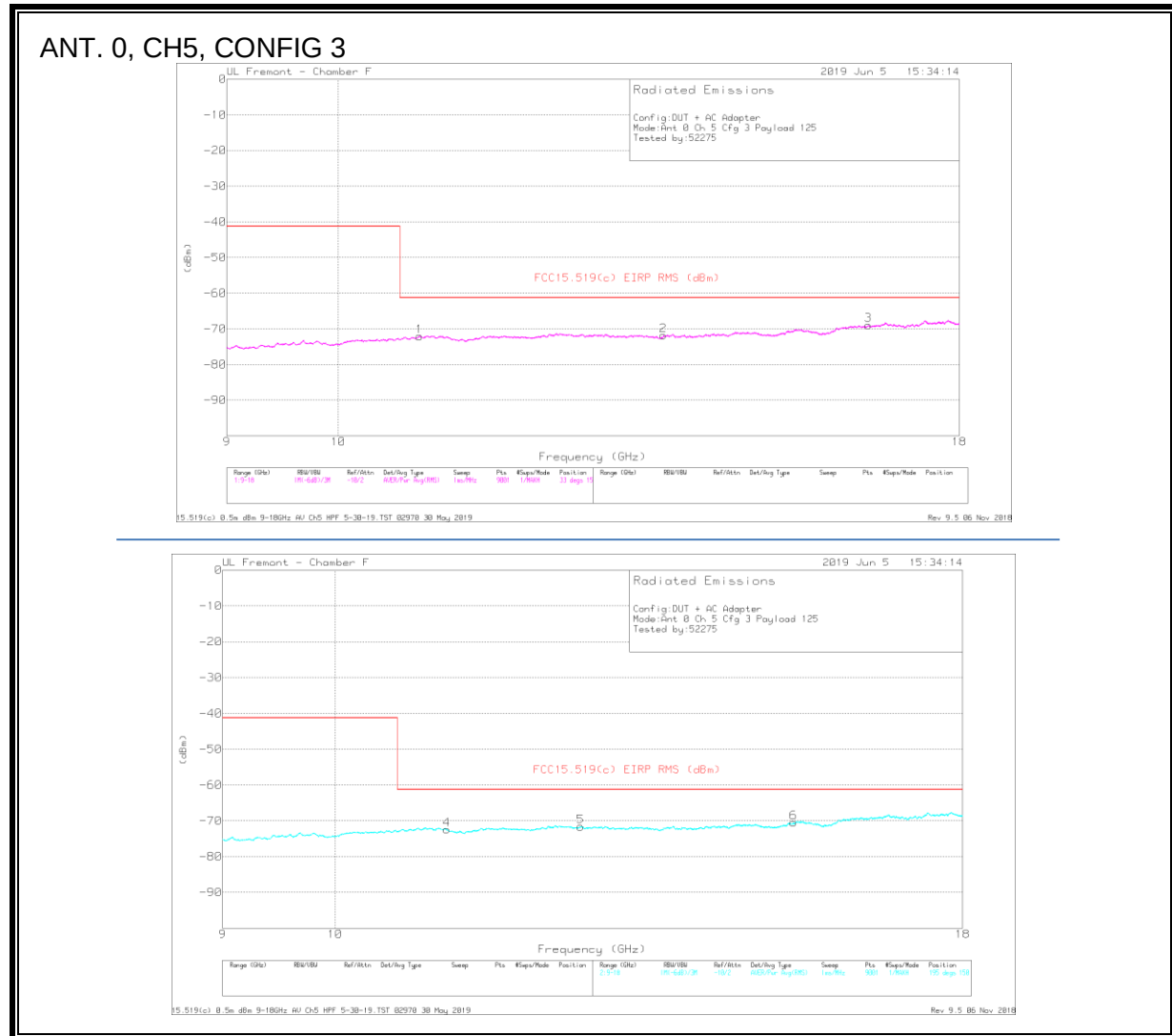
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	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	1357	-77.55	RMS	29.3	-30.2	-15.5	11.8	.3	-81.85	-75.3	-6.55	304	151	H
2	1892	-79.02	RMS	30.7	-29.6	-15.5	11.8	.2	-81.42	-63.3	-18.12	0	151	H
3	2439	-80.19	RMS	32.2	-29.3	-15.5	11.8	.3	-80.69	-61.3	-19.39	19	151	H
4	1358	-77.7	RMS	29.3	-30.2	-15.5	11.8	.3	-82	-75.3	-6.7	342	151	V
5	1892	-79.3	RMS	30.7	-29.6	-15.5	11.8	.2	-81.7	-63.3	-18.4	55	151	V
6	2946	-81.16	RMS	32.6	-28.8	-15.5	11.8	.4	-80.66	-61.3	-19.36	77	151	V

RMS - RMS detection

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

8.4.4. AVERAGE EMISSIONS, 9 – 18 GHz



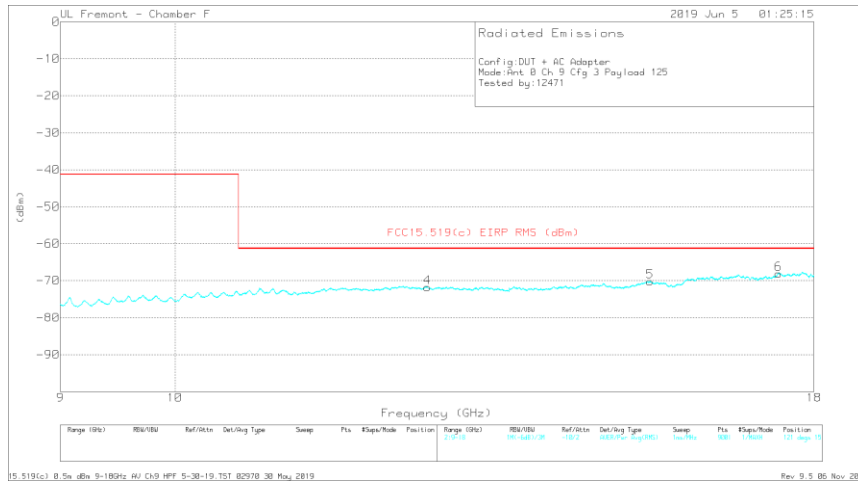
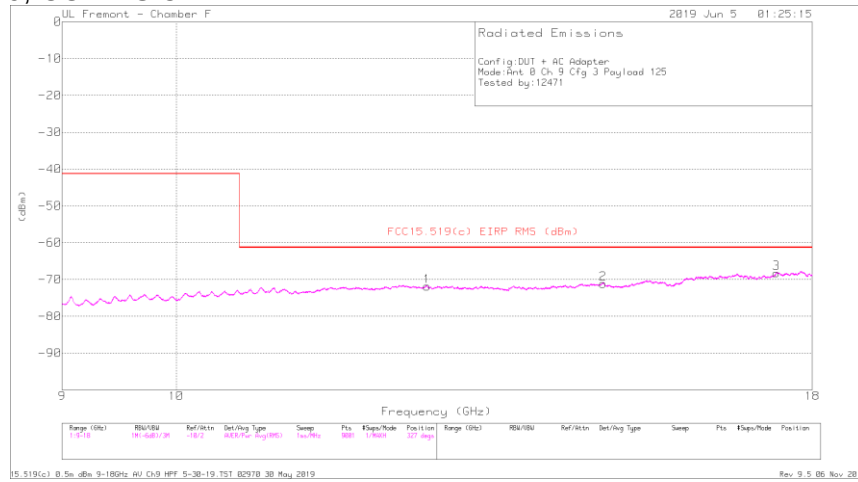
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	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	10.799	-84.9	RMS	38	-22.1	-15.5	11.8	.6	-72.1	-61.3	-10.8	297	150	H
2	13.601	-83.01	RMS	38.7	-24.4	-15.5	11.8	.6	-71.81	-61.3	-10.51	122	150	H
3	16.516	-85.52	RMS	41.6	-21.9	-15.5	11.8	.6	-68.92	-61.3	-7.62	360	150	H
4	11.101	-84.79	RMS	37.9	-22.5	-15.5	11.8	.7	-72.39	-61.3	-11.09	173	150	V
5	12.586	-84.31	RMS	39.1	-23.4	-15.5	11.8	.7	-71.61	-61.3	-10.31	64	150	V
6	15.364	-83.77	RMS	40.3	-23.8	-15.5	11.8	.5	-70.47	-61.3	-9.17	328	150	V

RMS - RMS detection

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

ANT. 0, CH9, CONFIG 3



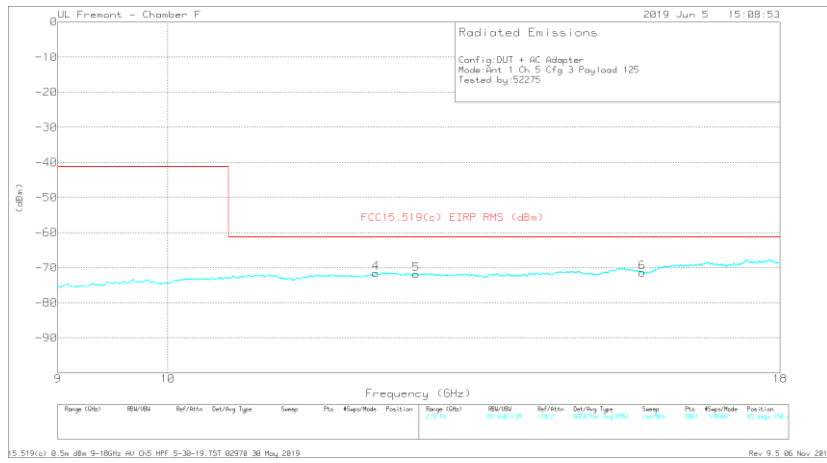
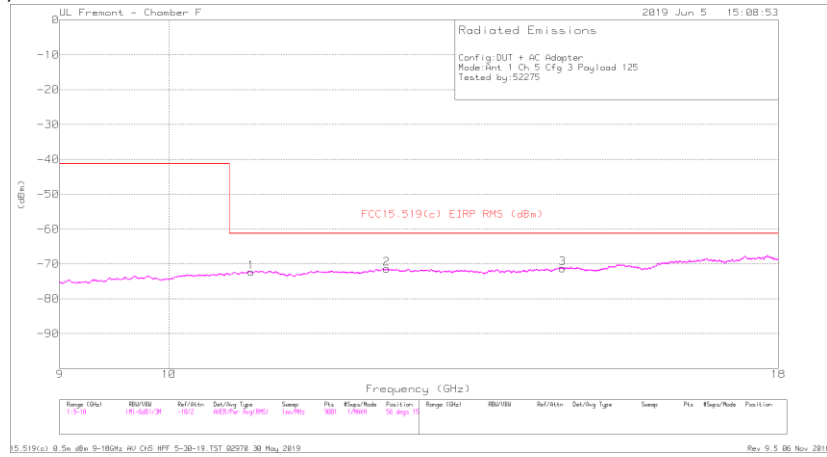
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	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	12.609	-84.44	RMS	39.2	-23.3	-15.5	11.8	.4	-71.84	-61.3	-10.54	327	151	H
2	14.835	-83.83	RMS	39.7	-24	-15.5	11.8	.7	-71.13	-61.3	-9.83	217	151	H
3	17.415	-85.87	RMS	41.4	-20.6	-15.5	11.8	.5	-68.27	-61.3	-6.97	19	151	H
4	12.614	-84.32	RMS	39.2	-23.4	-15.5	11.8	.4	-71.82	-61.3	-10.52	276	151	V
5	15.483	-83.85	RMS	40.4	-23.7	-15.5	11.8	.6	-70.25	-61.3	-8.95	187	151	V
6	17.424	-85.76	RMS	41.5	-20.6	-15.5	11.8	.4	-68.16	-61.3	-6.86	165	151	V

RMS - RMS detection

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

ANT. 1, CH5, CONFIG 3



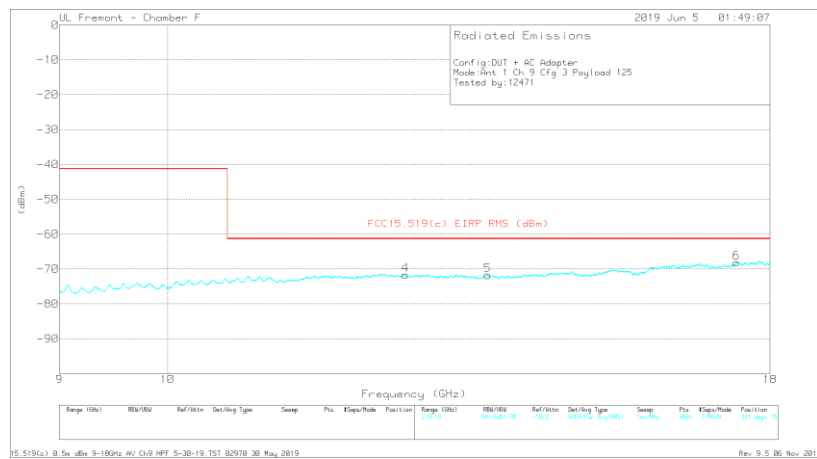
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	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	10.825	-84.78	RMS	38	-22.4	-15.5	11.8	.6	-72.28	-61.3	-10.98	34	150	H
2	12.336	-84.26	RMS	39.1	-23.1	-15.5	11.8	.6	-71.36	-61.3	-10.06	275	150	H
3	14.616	-83.34	RMS	39.6	-24.4	-15.5	11.8	.6	-71.24	-61.3	-9.94	319	150	H
4	12.211	-84.5	RMS	39.1	-23	-15.5	11.8	.6	-71.5	-61.3	-10.2	217	150	V
5	12.692	-84.38	RMS	39.3	-23.7	-15.5	11.8	.7	-71.78	-61.3	-10.48	0	150	V
6	15.765	-85.25	RMS	40.3	-23.2	-15.5	11.8	.5	-71.35	-61.3	-10.05	41	150	V

RMS - RMS detection

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

ANT. 1, CH9, CONFIG 3



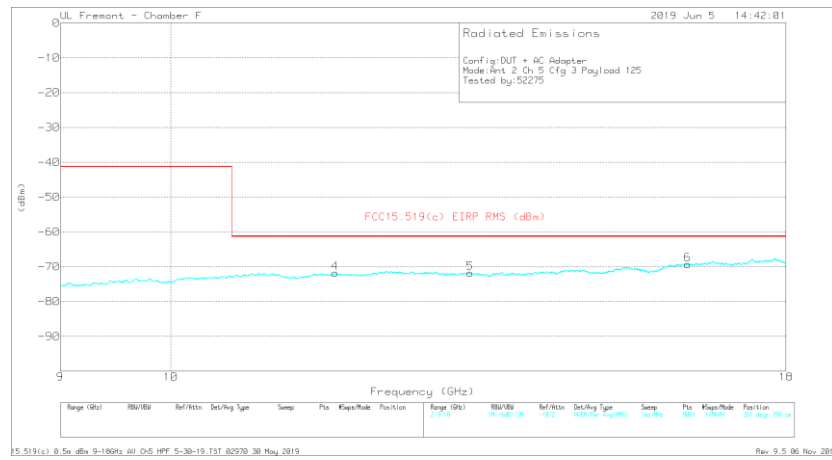
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9_HP (dB)	EIRP (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	12.599	-84.43	RMS	39.2	-23.3	-15.5	11.8	.4	-71.83	-61.3	-10.53	41	151	H
2	14.843	-83.73	RMS	39.7	-24	-15.5	11.8	.8	-70.93	-61.3	-9.63	107	151	H
3	17.423	-85.6	RMS	41.5	-20.6	-15.5	11.8	.4	-68	-61.3	-6.7	84	151	H
4	12.612	-84.24	RMS	39.2	-23.3	-15.5	11.8	.4	-71.64	-61.3	-10.34	253	151	V
5	13.667	-83.03	RMS	38.6	-24.2	-15.5	11.8	.6	-71.73	-61.3	-10.43	121	151	V
6	17.42	-85.83	RMS	41.5	-20.6	-15.5	11.8	.5	-68.13	-61.3	-6.83	341	151	V

RMS - RMS detection

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

ANT. 2, CH5, CONFIG 3



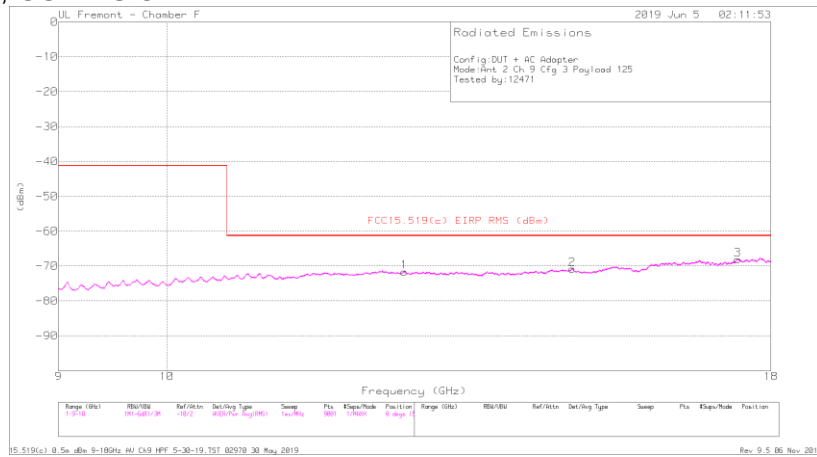
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	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	10.728	-84.83	RMS	37.9	-22.3	-15.5	11.8	.7	-72.23	-61.3	-10.93	275	150	H
2	12.881	-84.25	RMS	39.3	-23.4	-15.5	11.8	.6	-71.45	-61.3	-10.15	33	150	H
3	14.732	-83.38	RMS	39.7	-24.4	-15.5	11.8	.7	-71.08	-61.3	-9.78	253	150	H
4	11.702	-84.4	RMS	38.4	-22.7	-15.5	11.8	.6	-71.8	-61.3	-10.5	261	150	V
5	13.309	-83.78	RMS	39.3	-24.1	-15.5	11.8	.5	-71.78	-61.3	-10.48	239	150	V
6	16.388	-85.44	RMS	41.3	-22	-15.5	11.8	.5	-69.34	-61.3	-8.04	217	150	V

RMS - RMS detection

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

ANT. 2, CH9, CONFIG 3



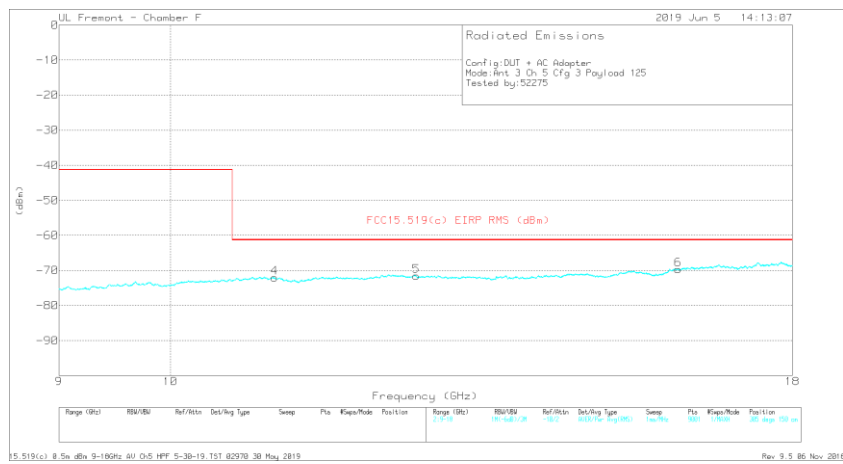
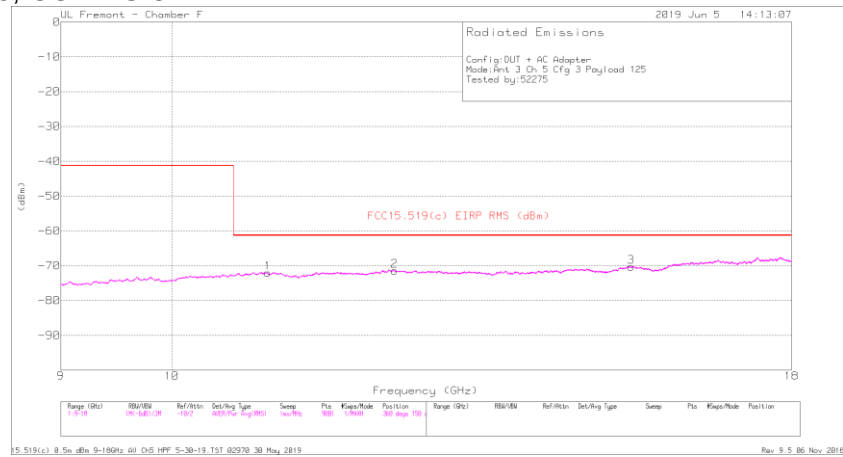
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	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	12.6	-84.23	RMS	39.2	-23.3	-15.5	11.8	.4	-71.63	-61.3	-10.33	41	151	H
2	14.835	-83.54	RMS	39.7	-24	-15.5	11.8	.7	-70.84	-61.3	-9.54	41	151	H
3	17.425	-85.73	RMS	41.5	-20.6	-15.5	11.8	.4	-68.13	-61.3	-6.83	19	151	H
4	12.332	-84.35	RMS	39.1	-23.1	-15.5	11.8	.5	-71.55	-61.3	-10.25	341	151	V
5	14.838	-83.84	RMS	39.7	-24	-15.5	11.8	.8	-71.04	-61.3	-9.74	341	151	V
6	17.435	-85.71	RMS	41.4	-20.6	-15.5	11.8	.4	-68.21	-61.3	-6.91	34	151	V

RMS - RMS detection

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

ANT. 3, CH5, CONFIG 3



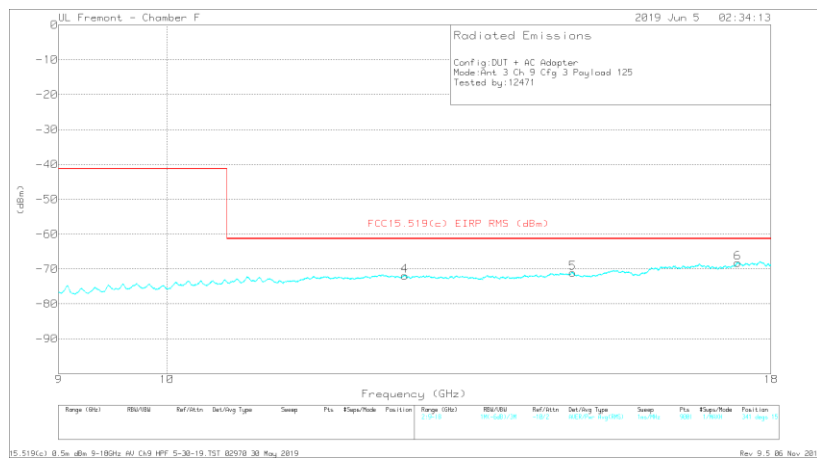
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	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	10.951	-84.59	RMS	38	-22.4	-15.5	11.8	.6	-72.09	-61.3	-10.79	253	150	H
2	12.351	-84.19	RMS	39.2	-23.3	-15.5	11.8	.6	-71.39	-61.3	-10.09	231	150	H
3	15.459	-83.9	RMS	40.4	-23.7	-15.5	11.8	.6	-70.3	-61.3	-9	121	150	H
4	11.033	-84.71	RMS	38	-22.2	-15.5	11.8	.6	-72.01	-61.3	-10.71	41	150	V
5	12.614	-84.01	RMS	39.2	-23.4	-15.5	11.8	.4	-71.51	-61.3	-10.21	85	150	V
6	16.156	-84.98	RMS	40.9	-22.5	-15.5	11.8	.6	-69.68	-61.3	-8.38	217	150	V

RMS - RMS detection

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

ANT. 3, CH9, CONFIG 3



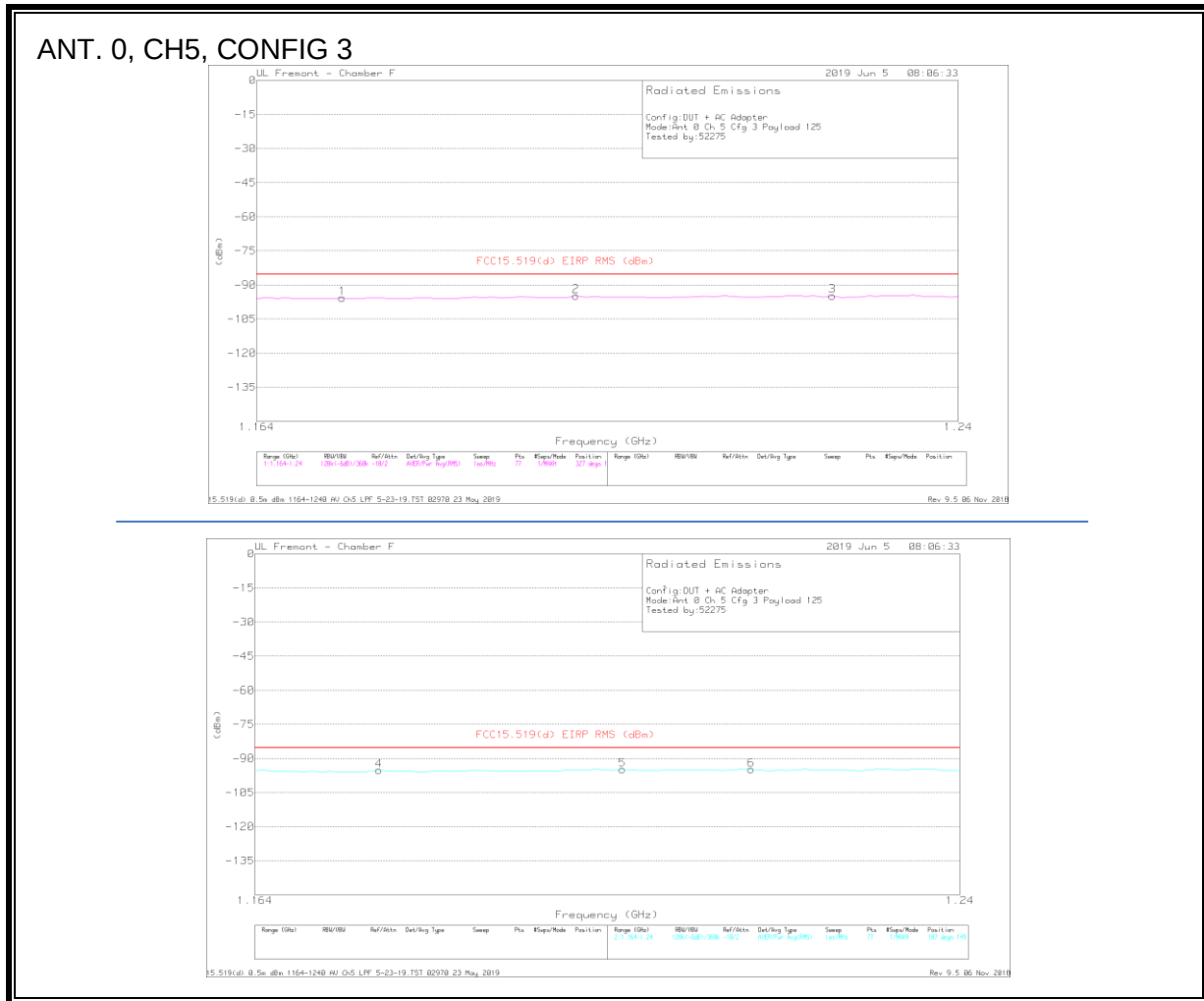
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	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	12.605	-84.28	RMS	39.2	-23.3	-15.5	11.8	.4	-71.68	-61.3	-10.38	107	151	H
2	14.834	-83.78	RMS	39.7	-24	-15.5	11.8	.7	-71.08	-61.3	-9.78	129	151	H
3	16.8	-85.91	RMS	41.9	-21.4	-15.5	11.8	.4	-68.71	-61.3	-7.41	63	151	H
4	12.606	-84.49	RMS	39.2	-23.3	-15.5	11.8	.4	-71.89	-61.3	-10.59	231	151	V
5	14.844	-83.86	RMS	39.7	-24	-15.5	11.8	.8	-71.06	-61.3	-9.76	34	151	V
6	17.429	-85.8	RMS	41.4	-20.5	-15.5	11.8	.4	-68.2	-61.3	-6.9	165	151	V

RMS - RMS detection

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

8.4.5. AVERAGE EMISSIONS, 1.164 – 1.240 GHz

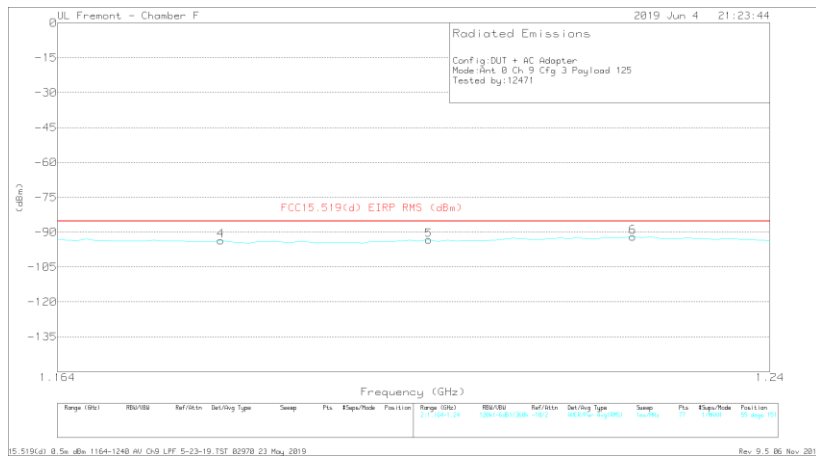


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	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	1.173	-89.38	RMS	27.7	-30.5	-15.5	11.8	.2	-95.68	-85.3	-10.38	217	149	H
2	1.198	-89.04	RMS	28.3	-30.5	-15.5	11.8	.2	-94.74	-85.3	-9.44	283	149	H
3	1.226	-89.43	RMS	28.6	-30.4	-15.5	11.8	.2	-94.73	-85.3	-9.43	173	149	H
4	1.177	-89.03	RMS	27.8	-30.5	-15.5	11.8	.2	-95.23	-85.3	-9.93	209	149	V
5	1.203	-89.24	RMS	28.3	-30.4	-15.5	11.8	.2	-94.84	-85.3	-9.54	55	149	V
6	1.217	-89.35	RMS	28.5	-30.5	-15.5	11.8	.2	-94.85	-85.3	-9.55	232	149	V

RMS - RMS detection

ANT. 0, CH9, CONFIG 3



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	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	1.173	-87.26	RMS	27.7	-30.5	-15.5	11.8	.2	-93.56	-85.3	-8.26	217	151	H
2	1.199	-87.61	RMS	28.3	-30.5	-15.5	11.8	.2	-93.31	-85.3	-8.01	283	151	H
3	1.225	-86.32	RMS	28.5	-30.4	-15.5	11.8	.2	-91.72	-85.3	-6.42	0	151	H
4	1.181	-87.6	RMS	28	-30.5	-15.5	11.8	.2	-93.6	-85.3	-8.3	319	151	V
5	1.203	-87.72	RMS	28.3	-30.4	-15.5	11.8	.2	-93.32	-85.3	-8.02	77	151	V
6	1.225	-86.55	RMS	28.5	-30.4	-15.5	11.8	.2	-91.95	-85.3	-6.65	143	151	V

RMS - RMS detection

ANT. 1, CH5, CONFIG 3



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CHS LP Filter	EIRP (dBm)	FCC15.519(d) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.198	-89.12	RMS	28.3	-30.5	-15.5	11.8	.2	-94.82	-85.3	-9.52	218	149	H
2	1.223	-89.35	RMS	28.5	-30.4	-15.5	11.8	.2	-94.75	-85.3	-9.45	0	149	H
3	1.236	-89.61	RMS	28.7	-30.3	-15.5	11.8	.2	-94.71	-85.3	-9.41	218	149	H
4	1.176	-89.16	RMS	27.7	-30.5	-15.5	11.8	.2	-95.46	-85.3	-10.16	121	149	V
5	1.2	-89.04	RMS	28.3	-30.5	-15.5	11.8	.2	-94.74	-85.3	-9.44	297	149	V
6	1.209	-89.12	RMS	28.2	-30.4	-15.5	11.8	.2	-94.82	-85.3	-9.52	121	149	V

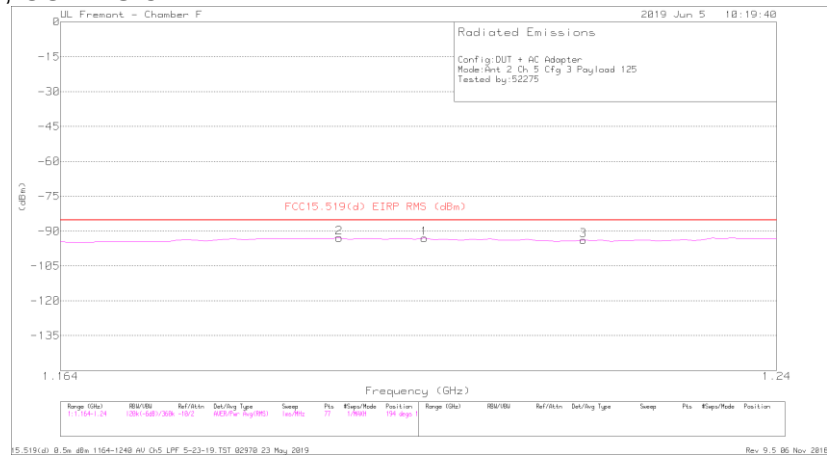
RMS - RMS detection



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9 LP Filter	ERP (dBm)	FC15.519(d) ERP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.176	-87.55	RMS	27.7	-30.5	-15.5	11.8	-2	-93.85	-85.3	-8.55	261	151	H
2	1.203	-88.01	RMS	28.3	-30.4	-15.5	11.8	-2	-93.55	-85.3	-8.31	196	151	H
3	1.229	-87.1	RMS	28.6	-30.4	-15.5	11.8	-2	-92.4	-85.3	-7.1	85	151	H
4	1.175	-87.04	RMS	27.7	-30.5	-15.5	11.8	-2	-93.34	-85.3	-8.04	187	151	V
5	1.2	-87.85	RMS	28.3	-30.5	-15.5	11.8	-2	-93.55	-85.3	-8.25	342	151	V
6	1.225	-86.43	RMS	28.5	-30.4	-15.5	11.8	-2	-91.83	-85.3	-6.53	143	151	V

RMS - RMS detection

ANT. 2, CH5, CONFIG 3

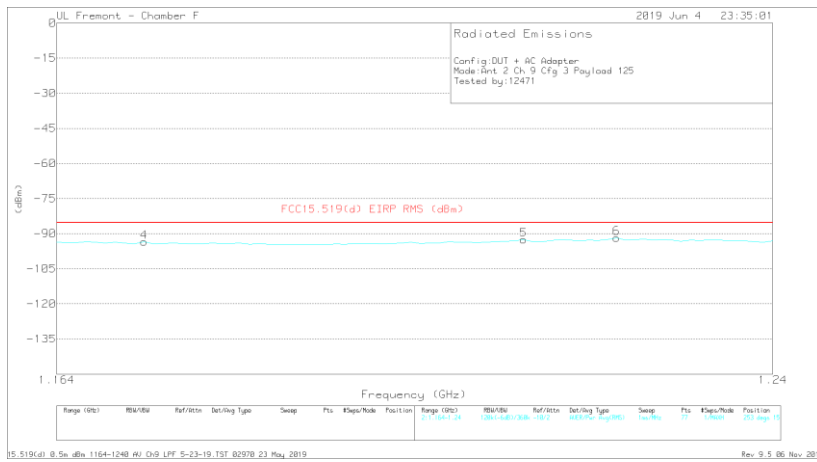


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	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	1.202	-87.46	RMS	28.3	-30.4	-15.5	11.8	.2	-93.06	-85.3	-7.76	85	149	H
2	1.193	-86.98	RMS	28.1	-30.5	-15.5	11.8	.2	-92.88	-85.3	-7.58	41	149	H
3	1.219	-88.35	RMS	28.5	-30.5	-15.5	11.8	.2	-93.85	-85.3	-8.55	19	149	H
4	1.167	-88.22	RMS	27.7	-30.5	-15.5	11.8	.2	-94.52	-85.3	-9.22	209	149	V
5	1.221	-89.2	RMS	28.5	-30.4	-15.5	11.8	.2	-94.6	-85.3	-9.3	78	149	V
6	1.182	-89.4	RMS	28	-30.5	-15.5	11.8	.2	-95.4	-85.3	-10.1	360	149	V

RMS - RMS detection

ANT. 2, CH9, CONFIG 3

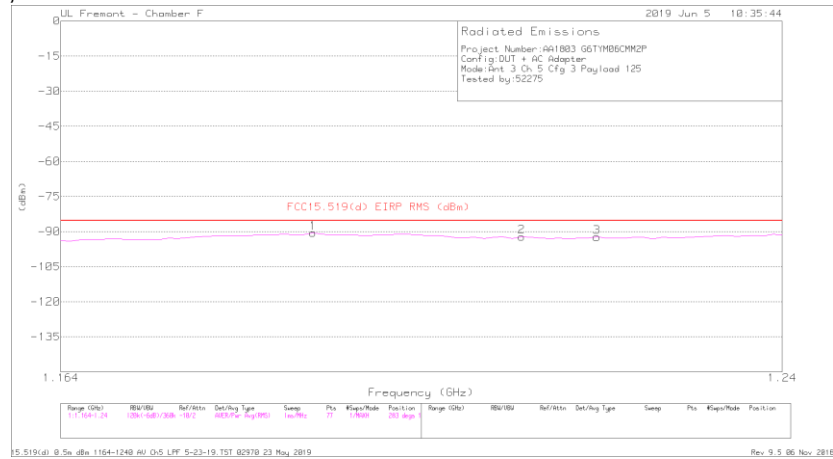


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	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	1.186	-87.56	RMS	28	-30.4	-15.5	11.8	.2	-93.46	-85.3	-8.16	195	151	H
2	1.211	-86.43	RMS	28.3	-30.4	-15.5	11.8	.2	-92.03	-85.3	-6.73	217	151	H
3	1.228	-85.73	RMS	28.6	-30.4	-15.5	11.8	.2	-91.03	-85.3	-5.73	217	151	H
4	1.173	-87.21	RMS	27.7	-30.5	-15.5	11.8	.2	-93.51	-85.3	-8.21	188	151	V
5	1.213	-87.06	RMS	28.4	-30.4	-15.5	11.8	.2	-92.56	-85.3	-7.26	55	151	V
6	1.223	-86.4	RMS	28.5	-30.4	-15.5	11.8	.2	-91.8	-85.3	-6.5	33	151	V

RMS - RMS detection

ANT. 3, CH5, CONFIG 3



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	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	1.19	-84.54	RMS	28	-30.5	-15.5	11.8	.2	-90.54	-85.3	-5.24	239	149	H
2	1.212	-86.56	RMS	28.3	-30.4	-15.5	11.8	.2	-92.16	-85.3	-6.86	260	149	H
3	1.22	-86.82	RMS	28.5	-30.5	-15.5	11.8	.2	-92.32	-85.3	-7.02	305	149	H
4	1.198	-88.69	RMS	28.3	-30.5	-15.5	11.8	.2	-94.39	-85.3	-9.09	297	149	V
5	1.206	-88.86	RMS	28.3	-30.4	-15.5	11.8	.2	-94.46	-85.3	-9.16	360	149	V
6	1.171	-89.32	RMS	27.7	-30.5	-15.5	11.8	.2	-95.62	-85.3	-10.32	297	149	V

RMS - RMS detection

ANT. 3, CH9, CONFIG 3

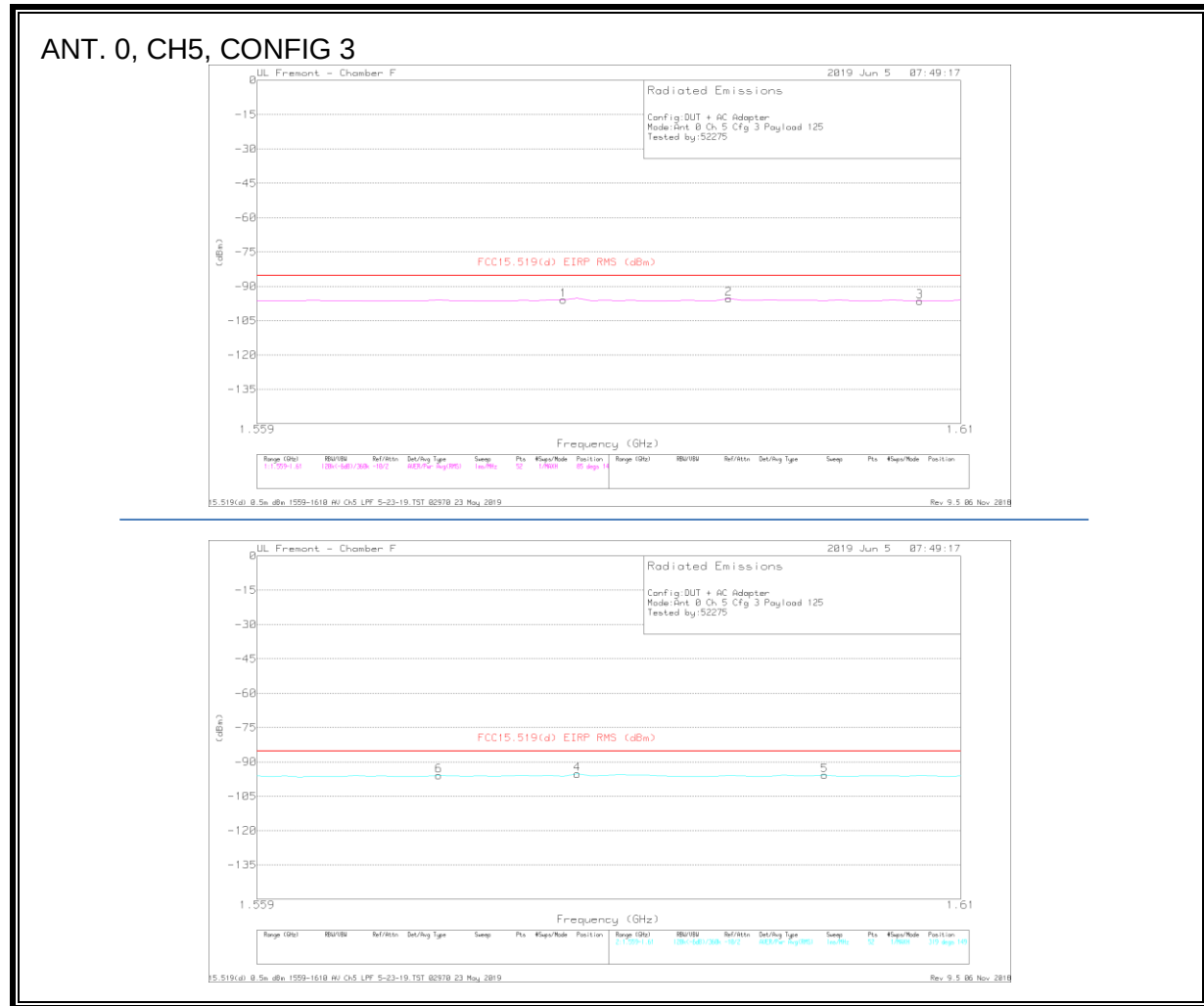


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	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	1.168	-86.52	RMS	27.7	-30.5	-15.5	11.8	.2	-92.82	-85.3	-7.52	0	151	H
2	1.208	-87.1	RMS	28.2	-30.4	-15.5	11.8	.2	-92.8	-85.3	-7.5	151	151	H
3	1.225	-86.37	RMS	28.5	-30.4	-15.5	11.8	.2	-91.77	-85.3	-6.47	195	151	H
4	1.167	-85.78	RMS	27.7	-30.5	-15.5	11.8	.2	-92.08	-85.3	-6.78	77	151	V
5	1.223	-85.86	RMS	28.5	-30.4	-15.5	11.8	.2	-91.26	-85.3	-5.96	99	151	V
6	1.233	-86.32	RMS	28.7	-30.3	-15.5	11.8	.2	-91.42	-85.3	-6.12	55	151	V

RMS - RMS detection

8.4.6. AVERAGE EMISSIONS, 1.559 – 1.610 GHz

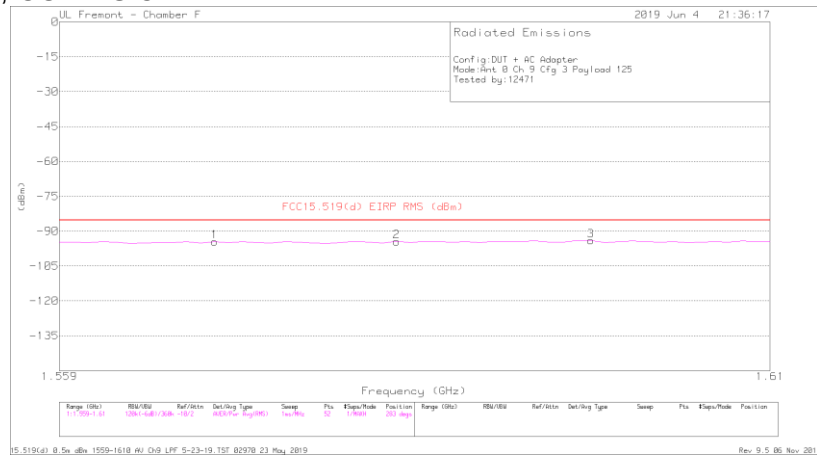


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CHS LP Filter	EIRP (dBm)	FCC15.519(d) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.581	-90.28	RMS	28	-30.1	-15.5	11.8	.2	-95.88	-85.3	-10.58	0	149	H
2	1.593	-89.69	RMS	28.1	-30.2	-15.5	11.8	.2	-95.29	-85.3	-9.99	129	149	H
3	1.607	-90.73	RMS	28	-30.2	-15.5	11.8	.2	-96.43	-85.3	-11.13	41	149	H
4	1.582	-89.66	RMS	28	-30.1	-15.5	11.8	.2	-95.26	-85.3	-9.96	276	149	V
5	1.6	-90.15	RMS	28.1	-30.2	-15.5	11.8	.2	-95.75	-85.3	-10.45	77	149	V
6	1.572	-90.35	RMS	28.1	-30.1	-15.5	11.8	.2	-95.85	-85.3	-10.55	360	149	V

RMS - RMS detection

ANT. 0, CH9, CONFIG 3



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	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	1.57	-88.98	RMS	28	-30.1	-15.5	11.8	.3	-94.48	-85.3	-9.18	173	151	H
2	1.583	-88.95	RMS	28	-30.1	-15.5	11.8	.3	-94.45	-85.3	-9.15	41	151	H
3	1.597	-88.65	RMS	28.1	-30.1	-15.5	11.8	.3	-94.05	-85.3	-8.75	305	151	H
4	1.574	-88.7	RMS	28.1	-30.2	-15.5	11.8	.3	-94.2	-85.3	-8.9	166	151	V
5	1.589	-88.54	RMS	28.1	-30.2	-15.5	11.8	.3	-94.04	-85.3	-8.74	143	151	V
6	1.605	-88.6	RMS	28	-30.2	-15.5	11.8	.3	-94.2	-85.3	-8.9	78	151	V

RMS - RMS detection

UL Fremont - Chamber F

2019 Jun 5 08:41:37

Radiated Emissions

Config: DUT + AC Adapter
Model: Ant 1 Ch 5 Cfg 3 Payload 125
Tested by: 52275

FCC15.519(d) EIRP RMS (dBm)

0 2 3

Power Spectral Density (dBm)

Frequency (GHz)

Range (GHz)	Min/Max	Ref/Offset	Ref/Log Type	Sample	Pre	Range/Mode	Function	Range (GHz)	Min/Max	Ref/Offset	Ref/Log Type	Sample	Pre	Range/Mode	Function
1.559 to 1.61	120/-50/300/-10/2	903/70	dB/0	52	7/800	6.3 steps									

1.559 1.61

5.515(a) 8.5e dBm 1559-1610 MHz CH5 LNF 5-23-19.TST 02970 23 May 2019

Rev. 9.5 06 Nov 2010



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Amp/Cbl (dB)	Det Correction (dB)	Conversion Factor (dB)	CHS LP Filter	EIRP (dBm)	FC115.519(d) EIRP RMS (dB)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.564	-90.22	RMS	28	-30.1	-15.5	11.8	2	-95.82	-85.3	-10.52	239	149	H
2	1.585	-89.6	RMS	28.1	-30.1	-15.5	11.8	2	-95.1	-85.3	-9.8	239	149	H
3	1.606	-90.41	RMS	28	-30.2	-15.5	11.8	2	-96.11	-85.3	-10.81	261	149	H
4	1.577	-90.1	RMS	28.1	-30.2	-15.5	11.8	2	-95.7	-85.3	-10.4	297	149	V
5	1.579	-90.18	RMS	28.1	-30.1	-15.5	11.8	2	-95.68	-85.3	-10.38	297	149	V
6	1.59	-90.08	RMS	28.1	-30.2	-15.5	11.8	2	-95.68	-85.3	-10.38	360	149	V

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