

UL Front - Chamber F

2019 May 26 13:07:30

Radiated Emissions - 3 Meters

Config:UL1 + RG Adapter
Mode:Ant 2 Ch 9 Cfg 3 Payload 125
Tested by:52275

OPR Limit (dBμV/m)

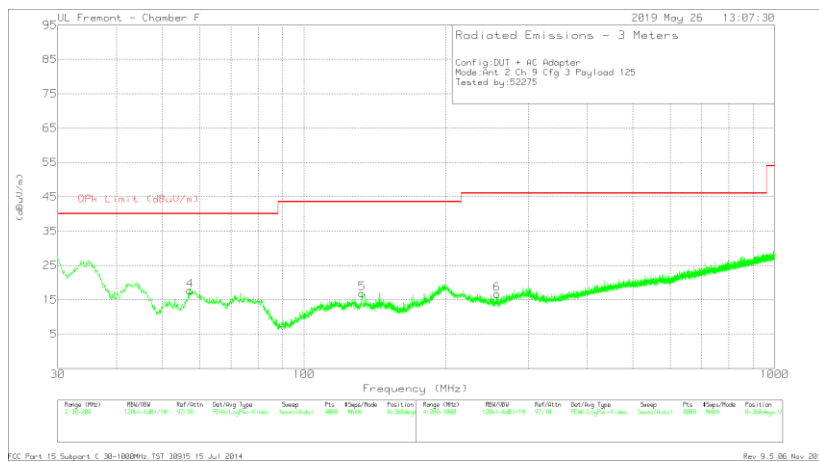
Frequency (MHz)

1 2 3

Range (MHz)	FBW/Hz	Ref/Att	Det/Log Type	Sweep	Pa	Range/Mode	Position	Range (MHz)	FBW/Hz	Ref/Att	Det/Log Type	Sweep	Pa	Range/Mode	Position
1.35-200	120K-GS01/Hz	50/10	PKA/LogPerVideo	Sweep	Auto/Manual	4000	0-500	2.250-1000	120K-GS01/Hz	50/10	PKA/LogPerVideo	Sweep	Auto/Manual	4000	0-500

PCC Part 15 Subpart C 30-1000MHz TST 30915 15 Jul 2014

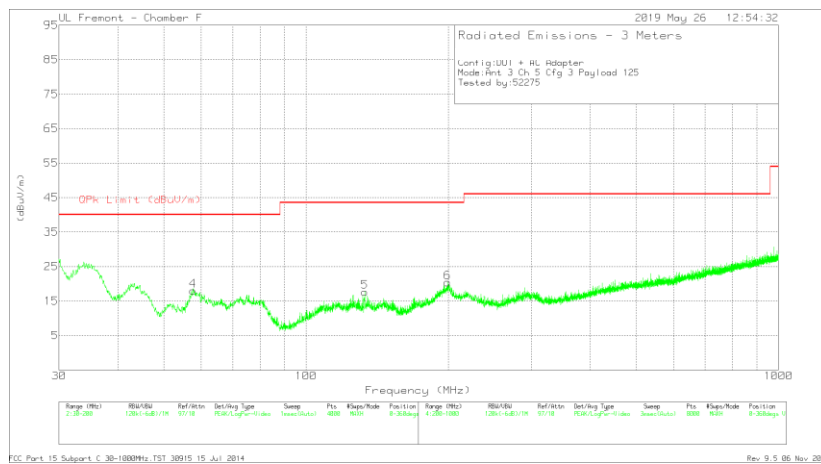
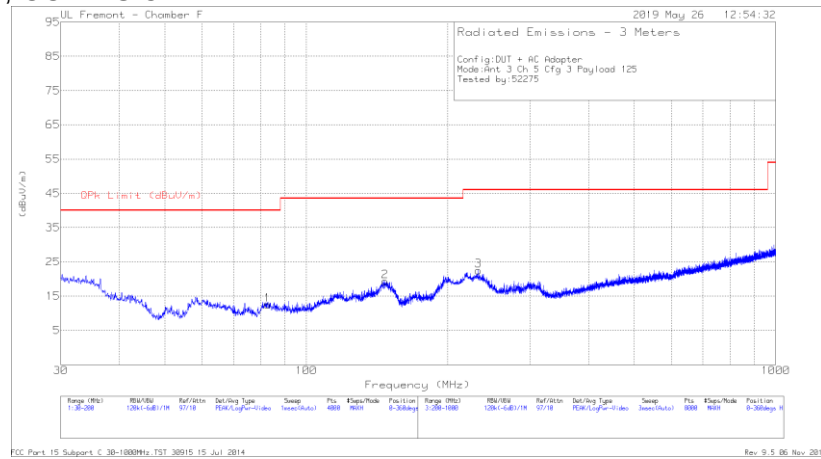
Rev. 9.5.06 Nov. 2014



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	85.3493	34.03	Pk	11.2	-31.3	13.93	40	-26.07	0-360	199	H
2	143.0793	33.51	Pk	17.2	-30.9	19.81	43.52	-23.71	0-360	199	H
4	57.2921	37.99	Pk	11.3	-31.6	17.69	40	-22.31	0-360	100	V
5	* 132.9191	30.1	Pk	17.7	-30.9	16.9	43.52	-26.62	0-360	100	V
3	234.5045	37.73	Pk	15.2	-30.3	22.63	46.02	-23.39	0-360	99	H
6	* 257.3074	30.99	Pk	15.8	-30.1	16.69	46.02	-29.33	0-360	99	V

UL VERIFICATION SERVICES INC FORM NO: CCSUP4701I
47173 BENICIA STREET, FREMONT, CA 94538, USA TEL: (510) 771-1000 FAX: (510) 661-0888
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ANT. 3, CH5, CONFIG 3

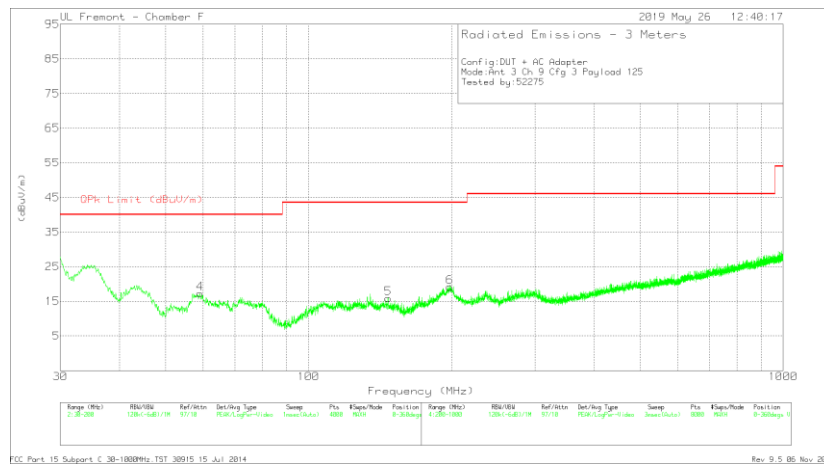
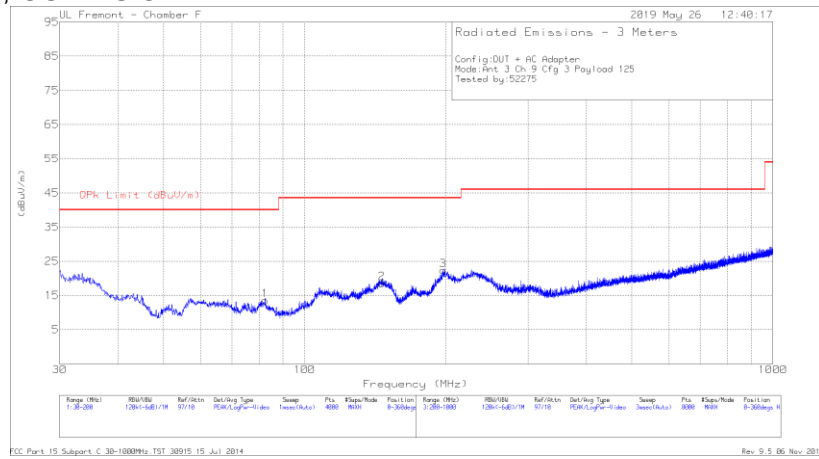


Trace Markers

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	82.7562	32.58	Pk	11.2	-31.3	12.48	40	-27.52	0-360	199	H
2	147.2453	33.25	Pk	16.9	-30.8	19.35	43.52	-24.17	0-360	299	H
4	57.6322	38.12	Pk	11.4	-31.5	18.02	40	-21.98	0-360	100	V
5	* 133.1742	30.86	Pk	17.7	-30.9	17.66	43.52	-25.86	0-360	100	V
6	199.3213	34.13	Pk	16.8	-30.5	20.43	43.52	-23.09	0-360	100	V
3	232.8043	37.71	Pk	15.1	-30.3	22.51	46.02	-23.51	0-360	99	H

Pk - Peak detector

ANT. 3, CH9, CONFIG 3

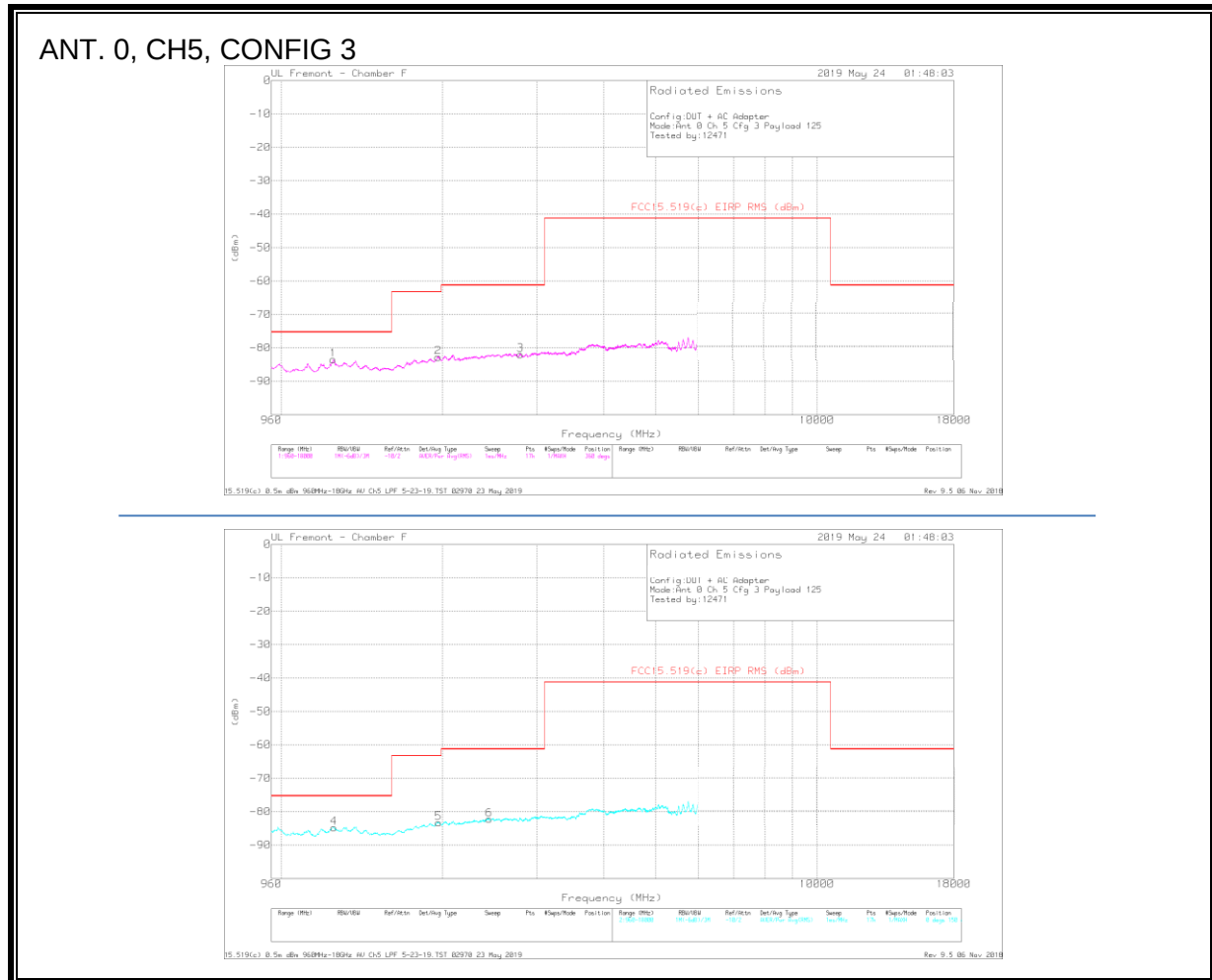


Trace Markers

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	82.4161	33.57	Pk	11.3	-31.3	13.57	40	-26.43	0-360	199	H
2	146.3526	32.45	Pk	16.9	-30.8	18.55	43.52	-24.97	0-360	199	H
3	197.7059	36.33	Pk	16.5	-30.5	22.33	43.52	-21.19	0-360	100	H
4	59.12	37.25	Pk	11.6	-31.6	17.25	40	-22.75	0-360	100	V
5	147.1603	29.78	Pk	16.9	-30.8	15.88	43.52	-27.64	0-360	100	V
6	198.5986	32.99	Pk	16.7	-30.5	19.19	43.52	-24.33	0-360	100	V

Pk - Peak detector

8.4.3. AVERAGE EMISSIONS, 0.96 – 6 GHz



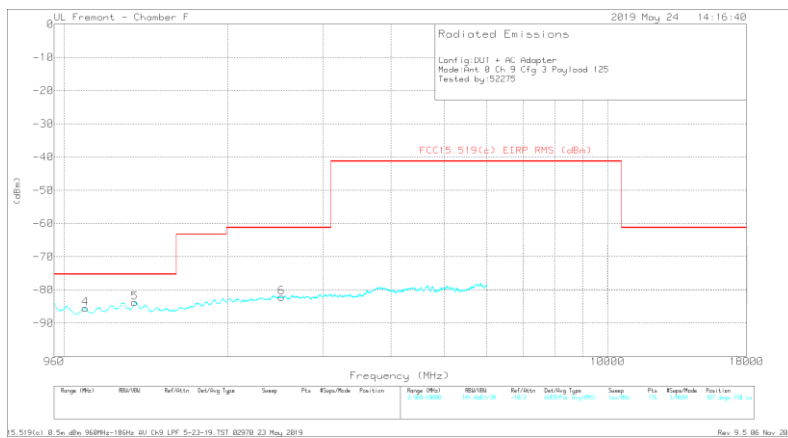
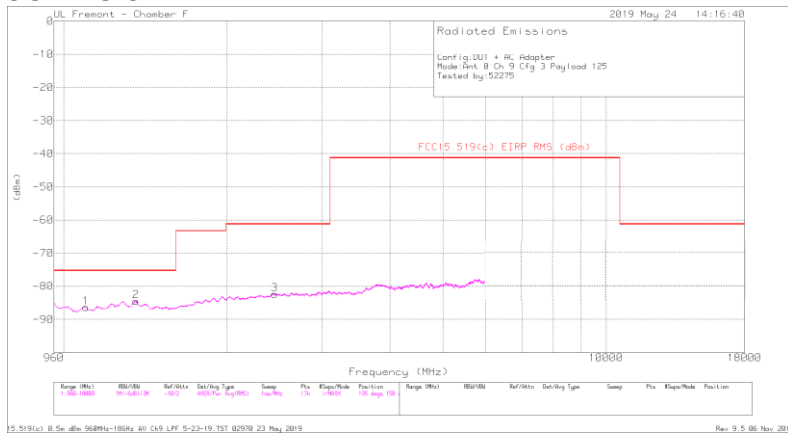
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH5_LPF (dB)	Corrected Reading (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1251	-78.54	RMS	28.7	-30.2	-15.5	11.8	.2	-83.54	-75.3	-8.24	360	150	H
2	1965	-81.11	RMS	31.3	-29.5	-15.5	11.8	.2	-82.81	-63.3	-19.51	275	150	H
3	2798	-81.81	RMS	32.4	-29.2	-15.5	11.8	.3	-82.01	-61.3	-20.71	360	150	H
4	1255	-79.79	RMS	28.7	-30.2	-15.5	11.8	.2	-84.79	-75.3	-9.49	305	150	V
5	1968	-81.56	RMS	31.2	-29.5	-15.5	11.8	.2	-83.36	-63.3	-20.06	151	150	V
6	2445	-81.79	RMS	32.3	-29.4	-15.5	11.8	.3	-82.29	-61.3	-20.99	0	150	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



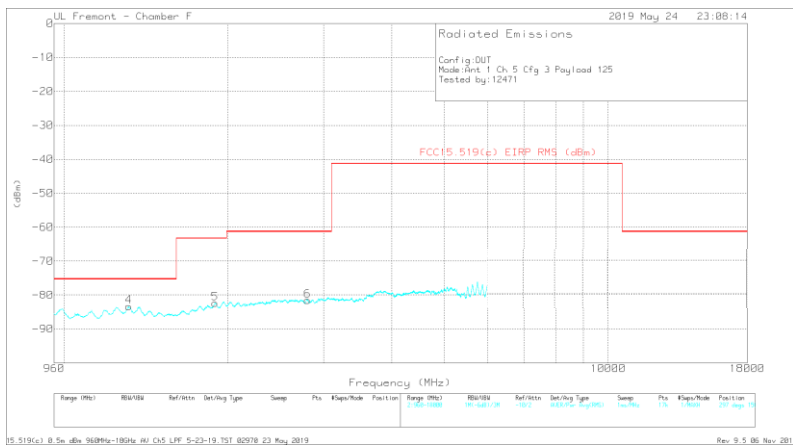
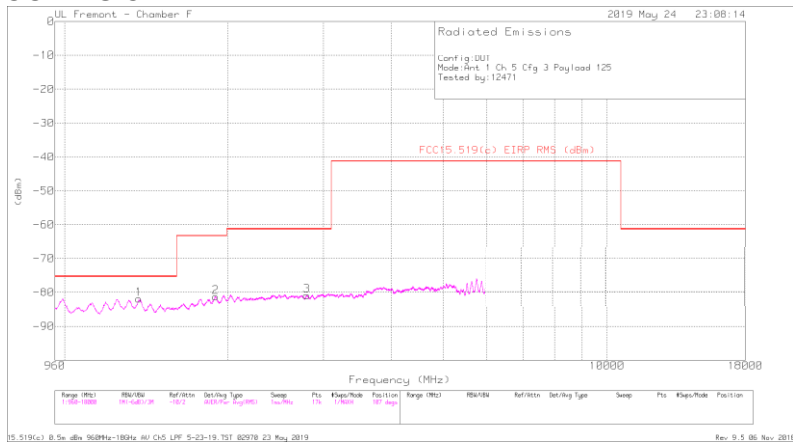
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9 LFF (dB)	Corrected Reading (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1100	-79.59	RMS	27.5	-30.7	-15.5	11.8	.1	-86.39	-75.3	-11.09	19	150	H
2	1359	-80.21	RMS	29.3	-30.2	-15.5	11.8	.3	-84.51	-75.3	-9.21	195	150	H
3	2450	-82.05	RMS	32.3	-29.3	-15.5	11.8	.3	-82.45	-61.3	-21.15	195	150	H
4	1095	-78.7	RMS	27.5	-30.7	-15.5	11.8	.1	-85.5	-75.3	-10.2	275	150	V
5	1351	-79.52	RMS	29.3	-30.2	-15.5	11.8	.3	-83.82	-75.3	-8.52	187	150	V
6	2516	-81.88	RMS	32.4	-29.3	-15.5	11.8	.3	-82.18	-61.3	-20.88	209	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

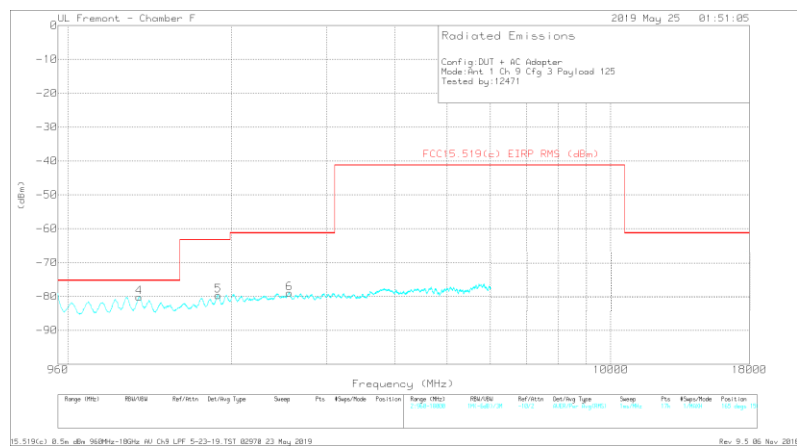
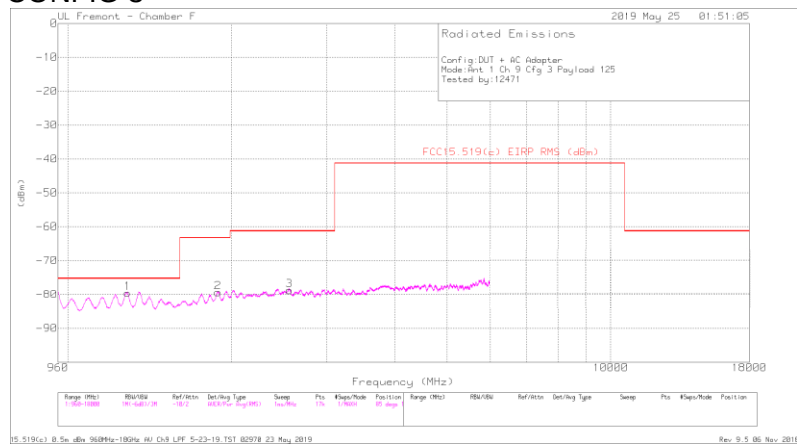


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Amp/Chl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH5_LPF (dB)	Corrected Reading (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1370	-77.49	RMS	29.4	-30.3	-15.5	11.8	.2	-81.89	-75.3	-6.59	107	150	H
2	1899	-78.78	RMS	30.6	-29.6	-15.5	11.8	.2	-81.28	-63.3	-17.98	107	150	H
3	2796	-80.67	RMS	32.4	-29.2	-15.5	11.8	.3	-80.87	-61.3	-19.57	151	150	H
4	1316	-78.56	RMS	28.8	-30.1	-15.5	11.8	.2	-83.36	-75.3	-8.06	121	150	V
5	1895	-79.89	RMS	30.6	-29.6	-15.5	11.8	.2	-82.39	-63.3	-19.09	231	150	V
6	2804	-81.45	RMS	32.4	-29.1	-15.5	11.8	.3	-81.55	-61.3	-20.25	275	150	V

RMS - RMS detection

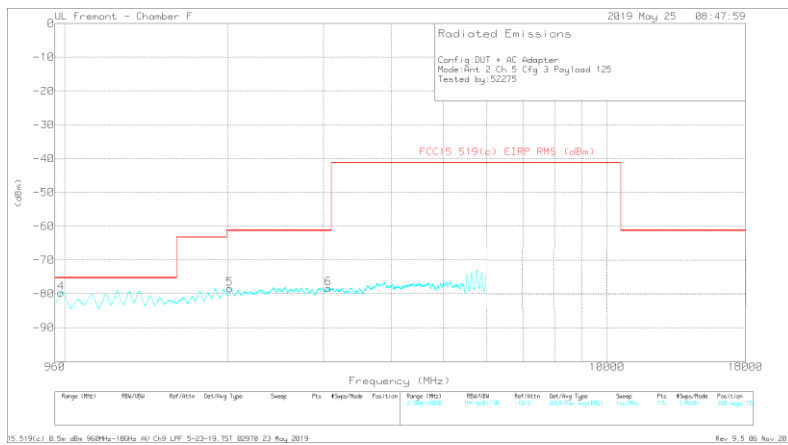
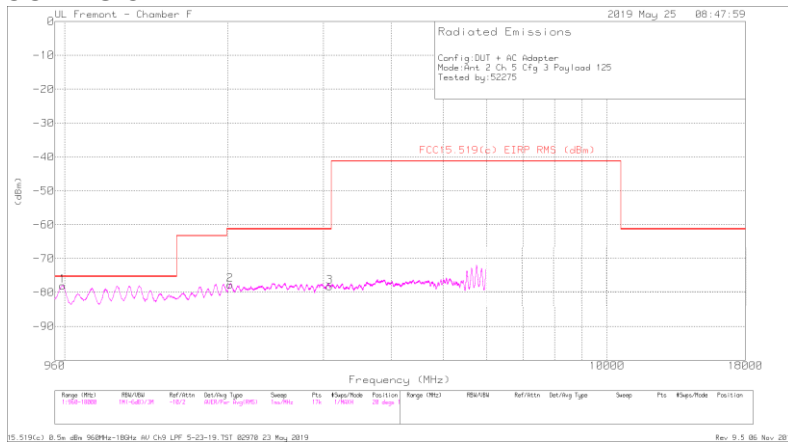
*Note: Test was performed with a low-pass filter with cutoff frequency at 6 GHz to suppress CH5 fundamental signal.



Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	Ch9_LPF (dB)	Corrected Reading (dBm)	FCCL5.519(c) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1289	-74.96	RMS	29	-30.1	-15.5	11.8	2	-79.50	-75.3	-4.26	85	150	H
2	1891	-77.4	RMS	30.7	-29.6	-15.5	11.8	2	-79.4	-63.3	-16.1	85	150	H
3	2559	-78.29	RMS	32.4	-29.4	-15.5	11.8	2	-78.79	-61.3	-17.49	85	150	H
4	1354	-75.88	RMS	29.3	-30.2	-15.5	11.8	3	-80.18	-75.3	-4.88	342	150	V
5	1892	-77.27	RMS	30.7	-29.6	-15.5	11.8	2	-79.67	-63.3	-16.37	232	150	V
6	2559	-78.5	RMS	32.4	-29.4	-15.5	11.8	2	-79	-61.3	-17.7	275	150	V

*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



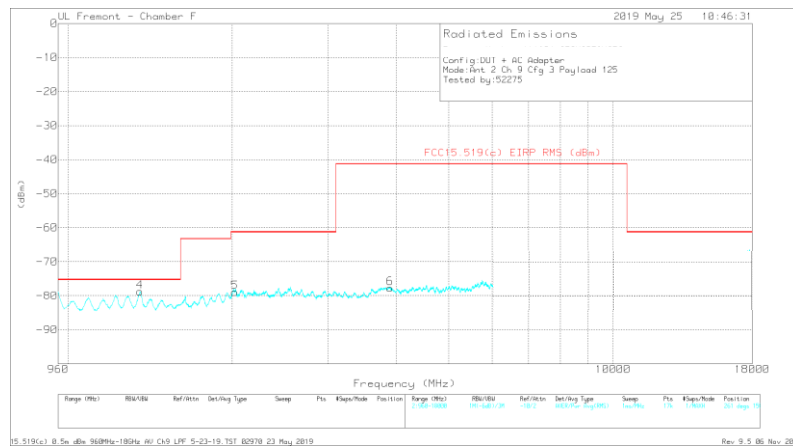
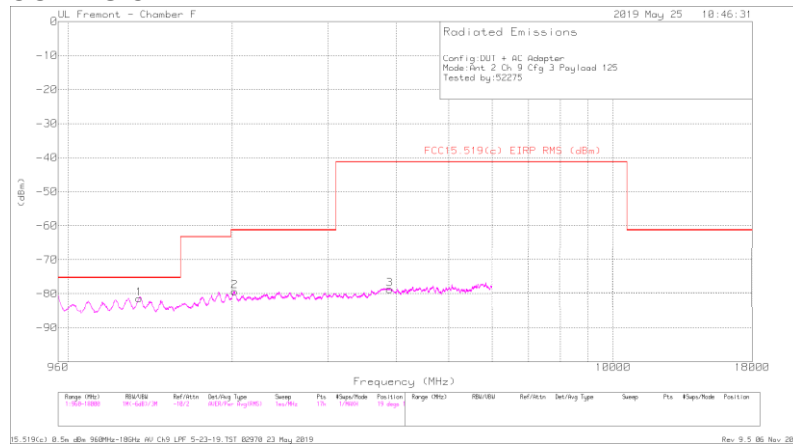
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Amp/Chl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH5 LFP (dB)	Corrected Reading (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	992	-71.69	RMS	27.9	-30.7	-15.5	11.8	.2	-77.99	-75.3	-2.69	41	150	H
2	2019	-75.91	RMS	31.4	-29.7	-15.5	11.8	.2	-77.71	-61.3	-16.41	41	150	H
3	3080	-78.81	RMS	33	-29	-15.5	11.8	.3	-78.21	-61.3	-16.91	20	150	H
4	985	-73.23	RMS	27.7	-30.7	-15.5	11.8	.2	-79.73	-75.3	-4.43	360	150	V
5	2015	-76.57	RMS	31.3	-29.7	-15.5	11.8	.2	-78.47	-61.3	-17.17	342	150	V
6	3064	-79.13	RMS	33	-28.9	-15.5	11.8	.4	-78.33	-61.3	-17.03	342	150	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



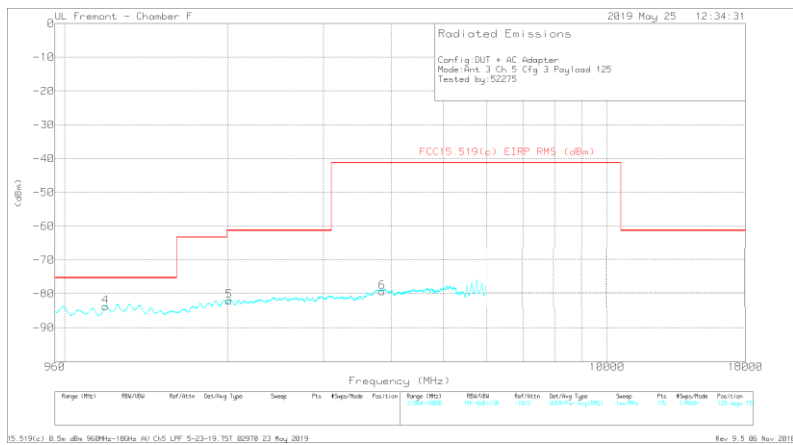
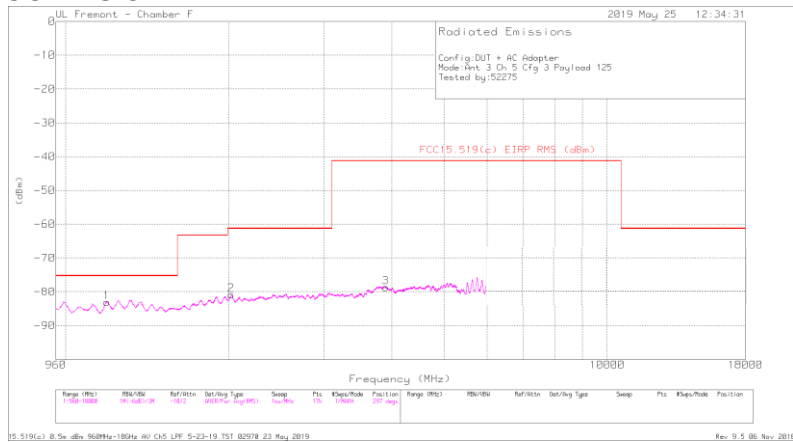
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	AmplChl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9_LPF (dB)	Corrected Reading (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1351	-77.14	RMS	29.3	-30.2	-15.5	11.8	.3	-81.44	-75.3	-6.14	19	150	H
2	2022	-77.49	RMS	31.4	-29.7	-15.5	11.8	.2	-79.29	-61.3	-17.99	19	150	H
3	3892	-80.57	RMS	33.7	-28.5	-15.5	11.8	.4	-78.67	-41.3	-37.37	0	150	H
4	1356	-74.49	RMS	29.3	-30.2	-15.5	11.8	.3	-78.79	-75.3	-3.49	41	150	V
5	2024	-77.13	RMS	31.4	-29.7	-15.5	11.8	.2	-78.93	-61.3	-17.63	0	150	V
6	3898	-79.62	RMS	33.7	-28.5	-15.5	11.8	.4	-77.72	-41.3	-36.42	41	150	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



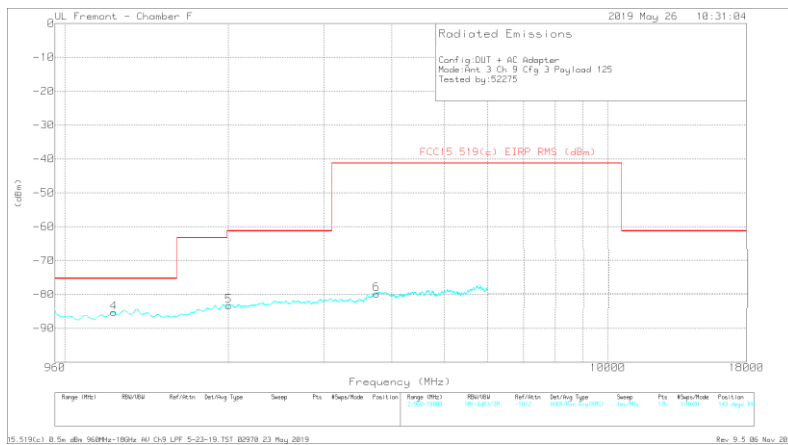
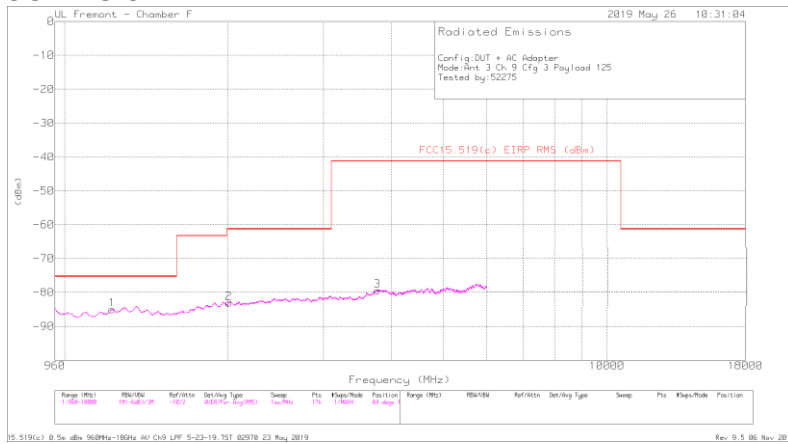
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH5_LPF (dB)	Corrected Reading (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1191	-77.18	RMS	28.1	-30.5	-15.5	11.8	.2	-83.08	-75.3	-7.78	253	150	H
2	2022	-79.11	RMS	31.4	-29.7	-15.5	11.8	.2	-80.91	-61.3	-19.61	253	150	H
3	3899	-80.58	RMS	33.7	-28.6	-15.5	11.8	.5	-78.68	-41.3	-37.38	275	150	H
4	1189	-77.87	RMS	28	-30.4	-15.5	11.8	.2	-83.77	-75.3	-8.47	107	150	V
5	2012	-80.27	RMS	31.3	-29.6	-15.5	11.8	.2	-82.07	-61.3	-20.77	326	150	V
6	3852	-80.96	RMS	33.7	-28.7	-15.5	11.8	.3	-79.36	-41.3	-38.06	173	150	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



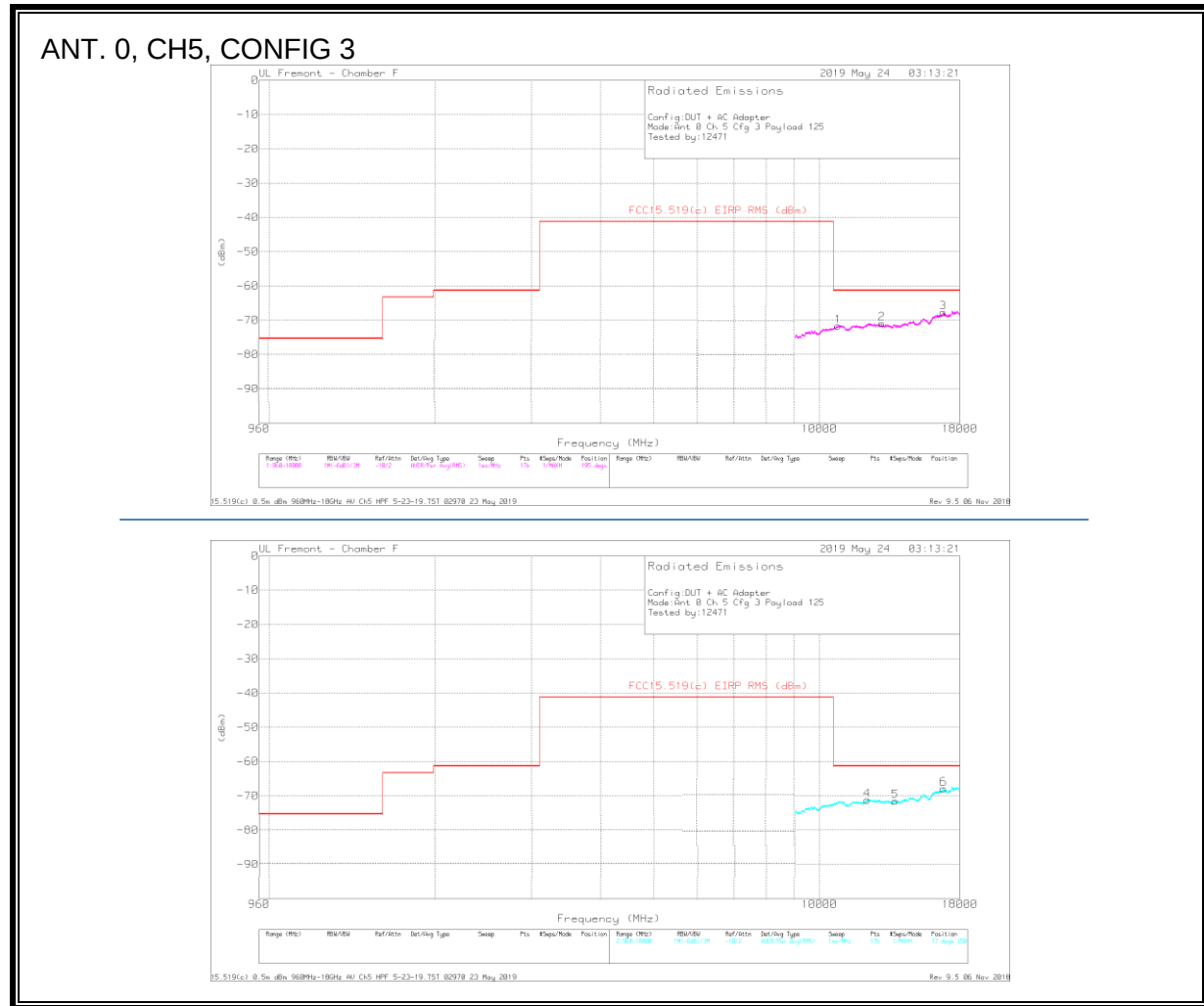
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Amp/Ch (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9 LFP (dB)	Corrected Reading (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1223	-79.61	RMS	28.5	-30.4	-15.5	11.8	.2	-85.01	-75.3	-9.71	261	148	H
2	2008	-81.28	RMS	31.4	-29.7	-15.5	11.8	.2	-83.08	-61.3	-21.78	195	148	H
3	3772	-81.45	RMS	33.5	-28.2	-15.5	11.8	.4	-79.45	-41.3	-38.15	195	148	H
4	1232	-80.24	RMS	28.7	-30.3	-15.5	11.8	.2	-85.34	-75.3	-10.04	143	148	V
5	2005	-81.56	RMS	31.4	-29.7	-15.5	11.8	.2	-83.36	-61.3	-22.06	143	148	V
6	3752	-81.6	RMS	33.4	-28.2	-15.5	11.8	.3	-79.8	-41.3	-38.5	253	148	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



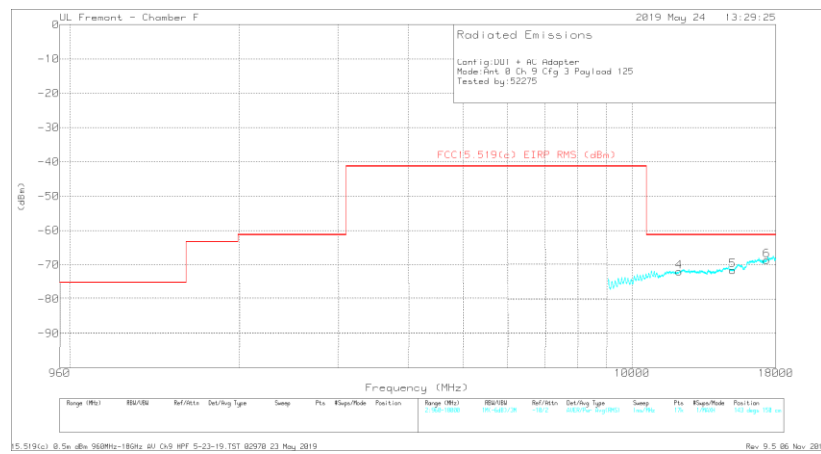
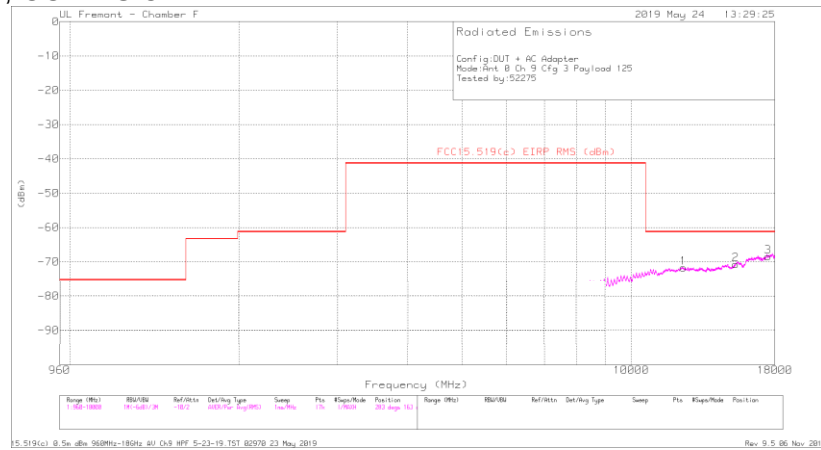
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH5 HPF (dB)	Corrected Reading (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	10803	-84.59	RMS	38	-22	-15.5	11.8	.6	-71.69	-61.3	-10.39	283	150	H
2	12979	-83.25	RMS	39.3	-23.9	-15.5	11.8	.6	-70.95	-61.3	-9.65	0	150	H
3	16793	-85.21	RMS	41.9	-21.3	-15.5	11.8	.6	-67.71	-61.3	-6.41	262	150	H
4	12217	-84.15	RMS	39.1	-23.1	-15.5	11.8	.6	-71.25	-61.3	-9.95	99	150	V
5	13724	-83	RMS	38.5	-23.9	-15.5	11.8	.6	-71.5	-61.3	-10.2	209	150	V
6	16800	-85.27	RMS	41.9	-21.4	-15.5	11.8	.6	-67.87	-61.3	-6.57	165	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



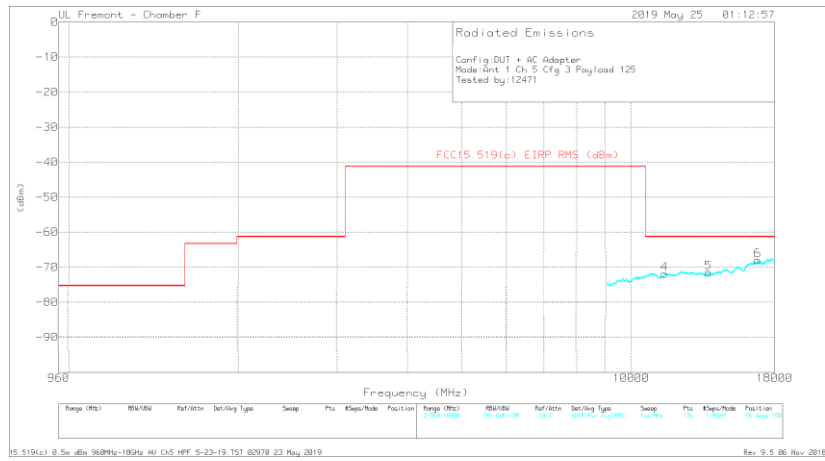
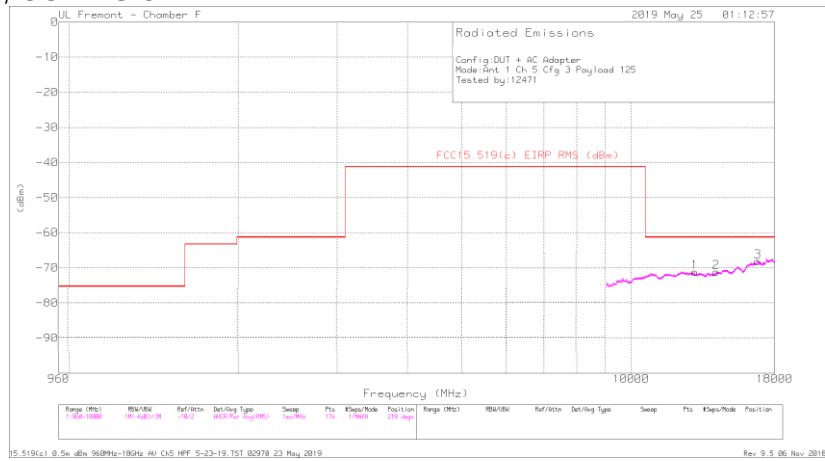
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9 HPF (dB)	Corrected Reading (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	12379	-84.22	RMS	39.2	-23.2	-15.5	11.8	.2	-71.72	-61.3	-10.42	218	163	H
2	15333	-83.65	RMS	40.2	-24	-15.5	11.8	.4	-70.75	-61.3	-9.45	327	163	H
3	17507	-85.58	RMS	41.5	-21.1	-15.5	11.8	.4	-68.48	-61.3	-7.18	0	163	H
4	12123	-84.57	RMS	39	-23.1	-15.5	11.8	.4	-71.97	-61.3	-10.67	253	150	V
5	15099	-83.88	RMS	39.7	-24.1	-15.5	11.8	.4	-71.58	-61.3	-10.28	34	150	V
6	17357	-85.51	RMS	41.4	-21.1	-15.5	11.8	.3	-68.61	-61.3	-7.31	253	150	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



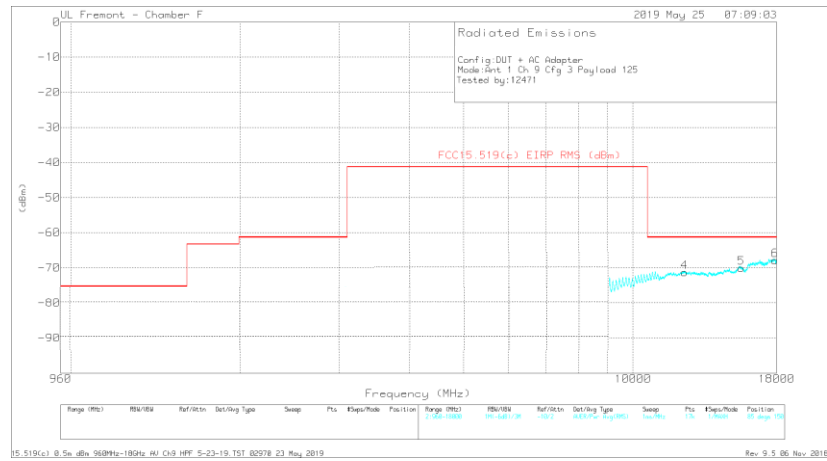
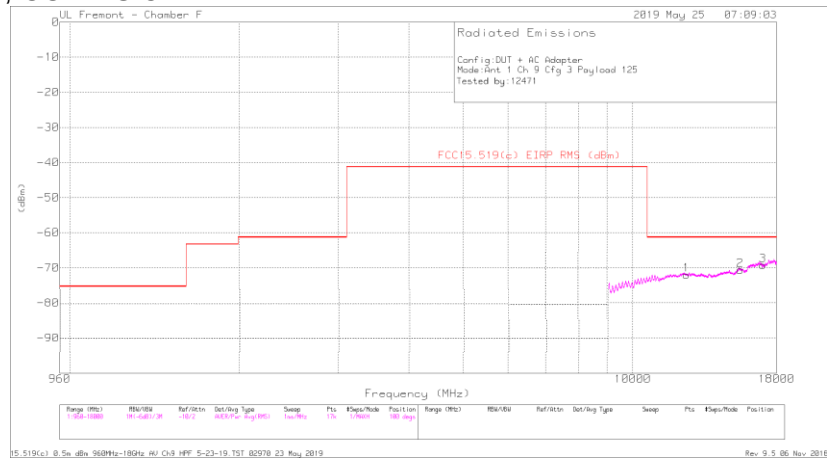
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Amp/Chl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH5 HPF (dB)	Corrected Reading (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	12979	-83.46	RMS	39.3	-23.9	-15.5	11.8	.6	-71.16	-61.3	-9.86	194	150	H
2	14160	-82.88	RMS	38.7	-23.9	-15.5	11.8	.6	-71.18	-61.3	-9.88	305	150	H
3	16800	-85.53	RMS	41.9	-21.4	-15.5	11.8	.6	-68.13	-61.3	-6.83	41	150	H
4	11472	-84.59	RMS	38.2	-22.4	-15.5	11.8	.6	-71.89	-61.3	-10.59	165	150	V
5	13729	-83.19	RMS	38.6	-23.9	-15.5	11.8	.7	-71.49	-61.3	-10.19	320	150	V
6	16794	-85.5	RMS	41.9	-21.3	-15.5	11.8	.6	-68	-61.3	-6.7	360	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



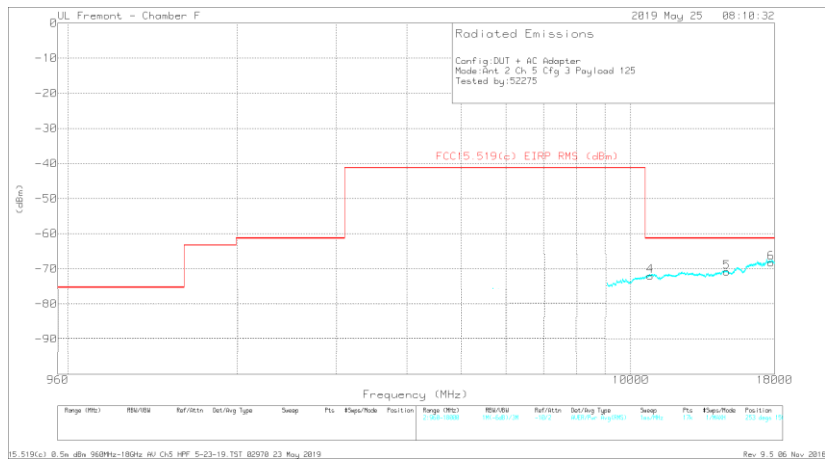
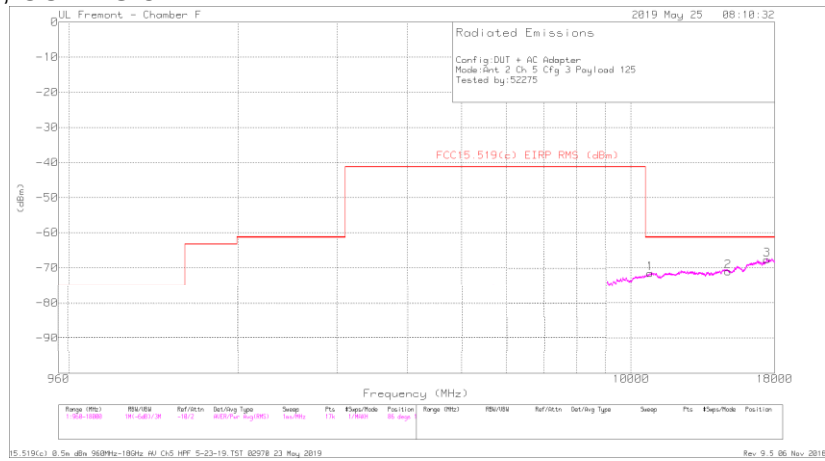
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Amp/Chl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9 HPF (dB)	Corrected Reading (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	12450	-84.59	RMS	39.2	-23.2	-15.5	11.8	.3	-71.99	-61.3	-10.69	209	150	H
2	15514	-84.02	RMS	40.2	-23.5	-15.5	11.8	.4	-70.62	-61.3	-9.32	77	150	H
3	17018	-85.95	RMS	41.5	-21.5	-15.5	11.8	.4	-69.25	-61.3	-7.95	166	150	H
4	12342	-83.86	RMS	39.1	-23.2	-15.5	11.8	.4	-71.26	-61.3	-9.96	173	150	V
5	15568	-83.75	RMS	40.3	-23.3	-15.5	11.8	.4	-70.05	-61.3	-8.75	195	150	V
6	17871	-85.15	RMS	41.1	-20.7	-15.5	11.8	.6	-67.85	-61.3	-6.55	107	150	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



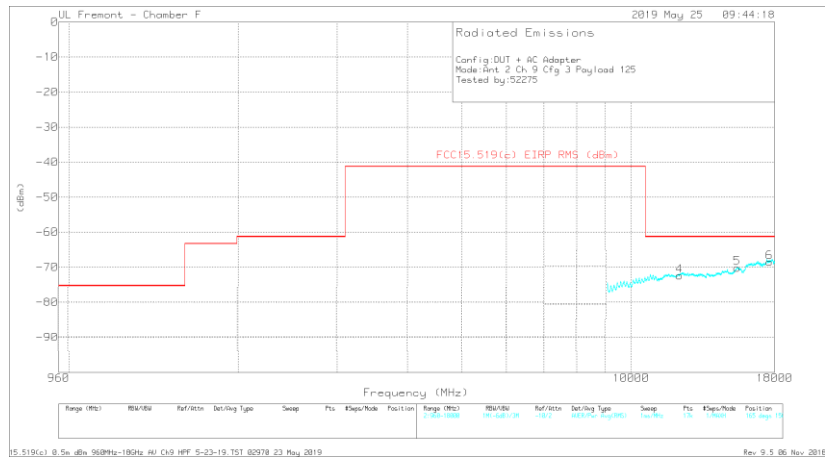
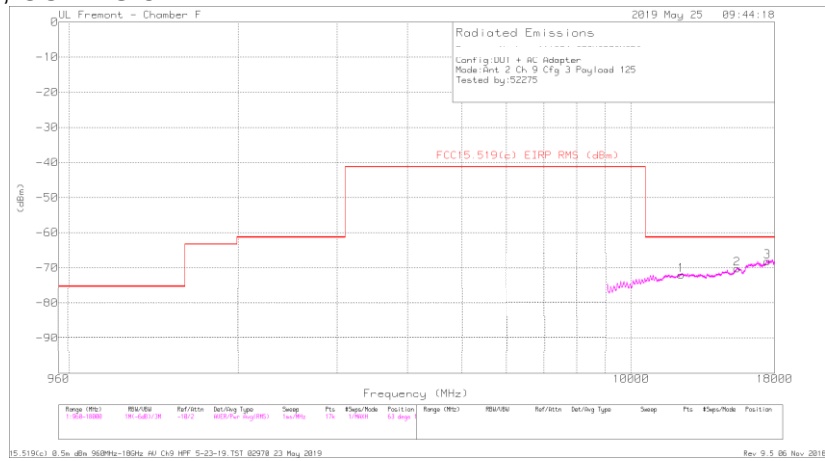
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH5_HPF (dB)	Corrected Reading (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	10808	-84.34	RMS	38	-22.1	-15.5	11.8	.6	-71.54	-61.3	-10.24	283	150	H
2	14877	-83.4	RMS	39.7	-24.2	-15.5	11.8	.6	-71	-61.3	-9.7	305	150	H
3	17439	-85.42	RMS	41.5	-20.6	-15.5	11.8	.6	-67.62	-61.3	-6.32	173	150	H
4	10827	-84.43	RMS	38	-22.5	-15.5	11.8	.6	-72.03	-61.3	-10.73	165	150	V
5	14799	-83.14	RMS	39.7	-24.3	-15.5	11.8	.6	-70.84	-61.3	-9.54	188	150	V
6	17746	-85.46	RMS	41.5	-21.3	-15.5	11.8	.7	-68.26	-61.3	-6.96	320	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



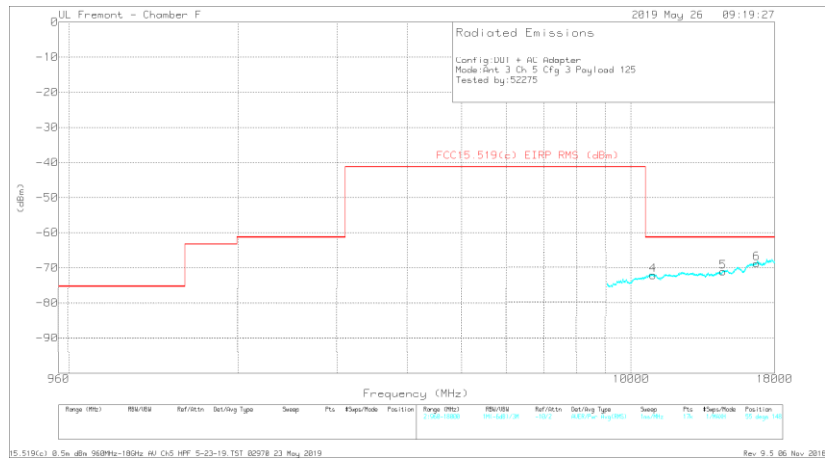
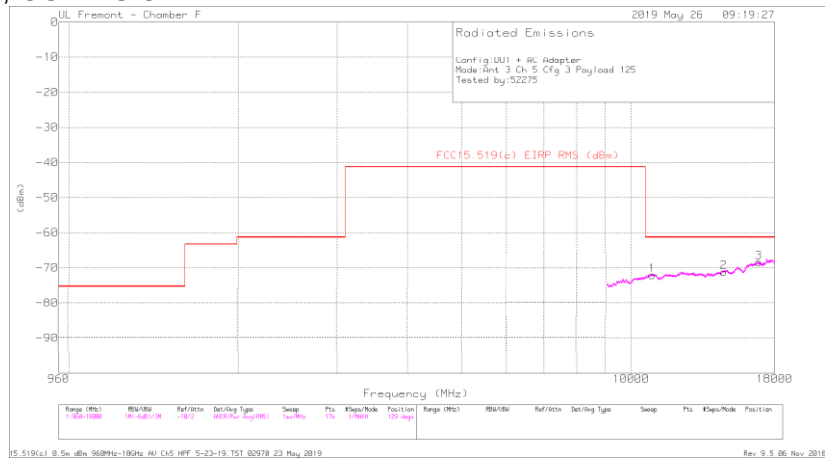
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Amp/Chl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9 HPF (dB)	Corrected Reading (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	12278	-84.7	RMS	39.1	-23.1	-15.5	11.8	.4	-72	-61.3	-10.7	217	150	H
2	15433	-83.63	RMS	40.3	-23.6	-15.5	11.8	.4	-70.23	-61.3	-8.93	326	150	H
3	17469	-85.35	RMS	41.5	-21.1	-15.5	11.8	.5	-68.15	-61.3	-6.85	261	150	H
4	12192	-84.74	RMS	39	-23.3	-15.5	11.8	.3	-72.44	-61.3	-11.14	297	150	V
5	15433	-83.59	RMS	40.3	-23.6	-15.5	11.8	.4	-70.19	-61.3	-8.89	319	150	V
6	17623	-85.41	RMS	41.5	-21.3	-15.5	11.8	.4	-68.51	-61.3	-7.21	319	150	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



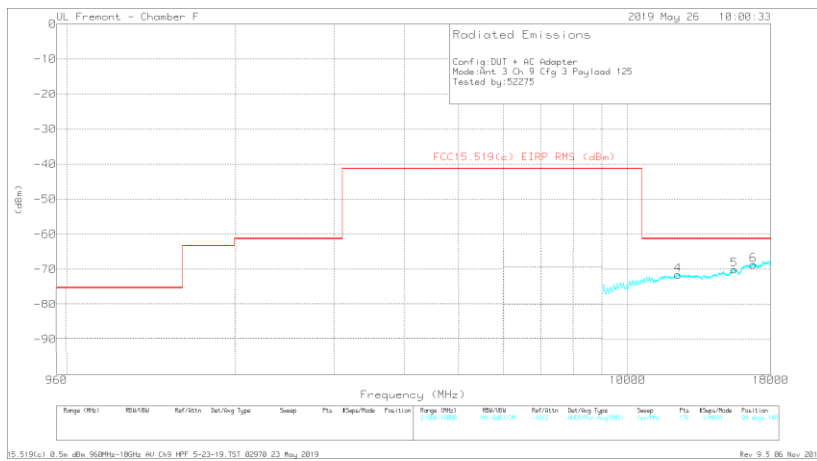
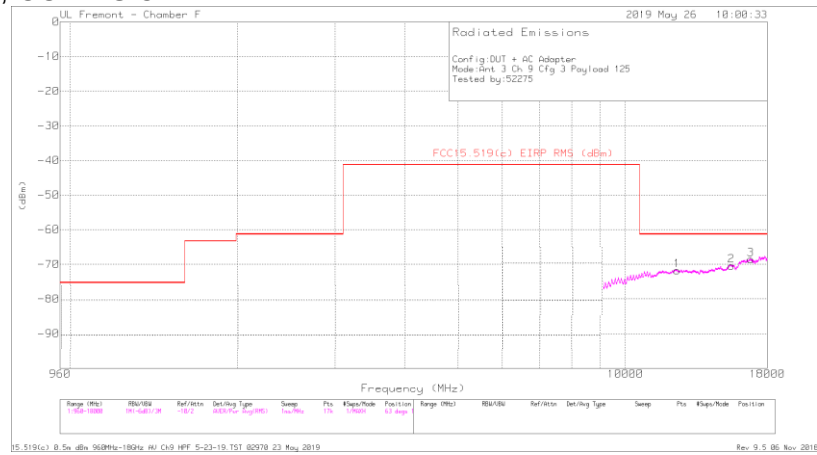
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Amp/Chl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH5_HPF (dB)	Corrected Reading (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	10903	-84.48	RMS	39	-22.7	-15.5	11.8	.8	-72.08	-61.3	-10.78	0	148	H
2	14620	-83.5	RMS	39.7	-24.4	-15.5	11.8	.7	-71.2	-61.3	-9.9	239	148	H
3	16870	-85.61	RMS	41.8	-21.4	-15.5	11.8	.5	-68.41	-61.3	-7.11	151	148	H
4	10941	-84.58	RMS	38	-22.5	-15.5	11.8	.7	-72.08	-61.3	-10.78	187	148	V
5	14569	-83.19	RMS	39.5	-24.5	-15.5	11.8	.8	-71.09	-61.3	-9.79	319	148	V
6	16723	-85.81	RMS	41.9	-21.6	-15.5	11.8	.5	-68.71	-61.3	-7.41	297	148	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



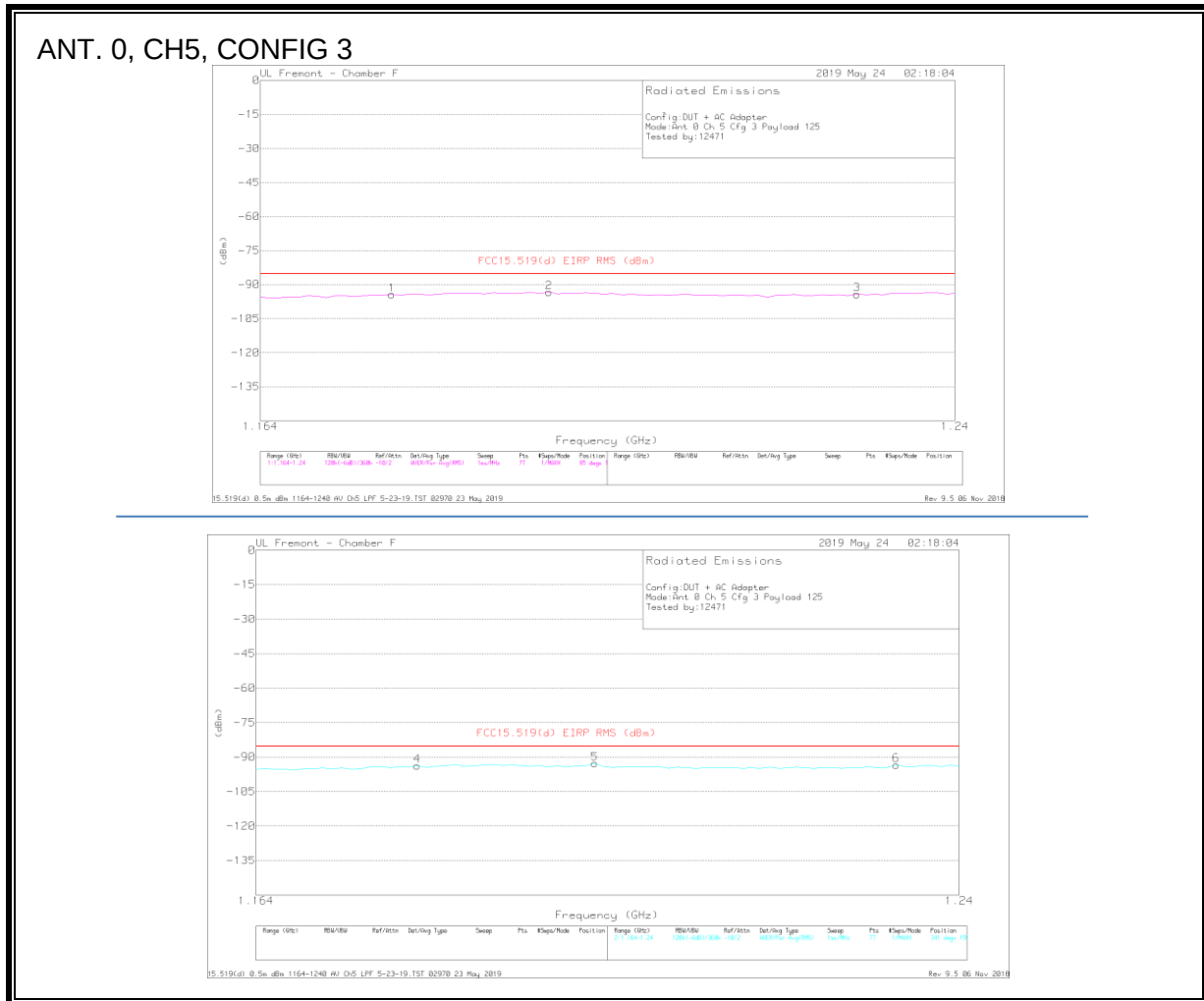
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9_HPF (dB)	Corrected Reading (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	12385	-84.15	RMS	39.1	-23.3	-15.5	11.8	.3	-71.75	-61.3	-10.45	283	148	H
2	15514	-83.81	RMS	40.2	-23.5	-15.5	11.8	.4	-70.41	-61.3	-9.11	20	148	H
3	16811	-85.55	RMS	41.8	-21.5	-15.5	11.8	.4	-68.55	-61.3	-7.25	283	148	H
4	12299	-84.4	RMS	39.2	-23.1	-15.5	11.8	.4	-71.6	-61.3	-10.3	342	148	V
5	15487	-83.72	RMS	40.4	-23.7	-15.5	11.8	.6	-70.12	-61.3	-8.82	275	148	V
6	16753	-85.86	RMS	41.9	-21.5	-15.5	11.8	.4	-68.76	-61.3	-7.46	187	148	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

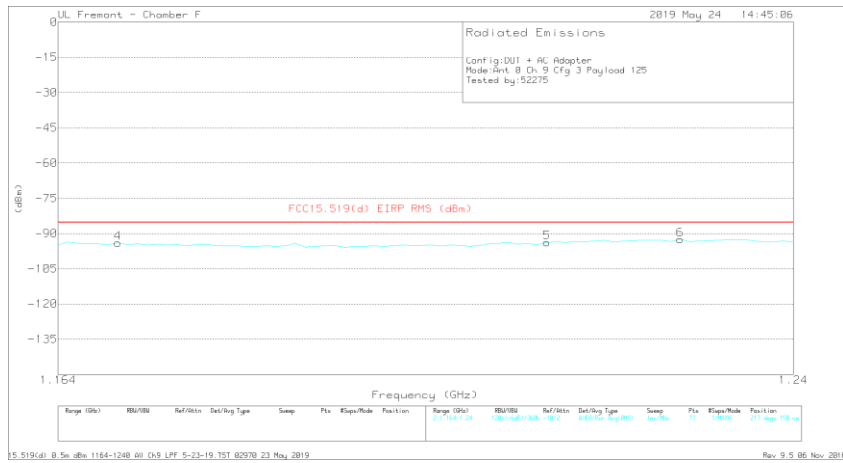
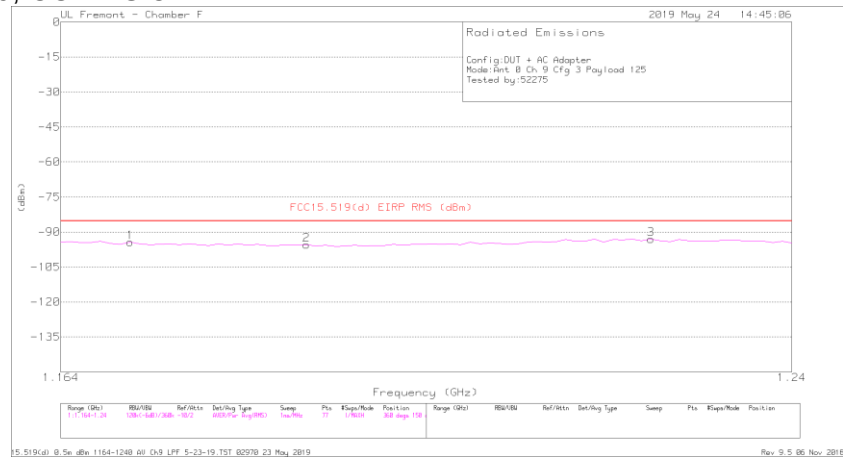


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH5 LP Filter	Corrected Reading (dBm)	FCC15.519(d) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.178	-88.22	RMS	27.8	-30.5	-15.5	11.8	.2	-94.42	-85.3	-9.12	0	150	H
2	1.195	-87.44	RMS	28.1	-30.5	-15.5	11.8	.2	-93.34	-85.3	-8.04	0	150	H
3	1.229	-88.95	RMS	28.6	-30.4	-15.5	11.8	.2	-94.25	-85.3	-8.95	63	150	H
4	1.181	-87.77	RMS	28	-30.5	-15.5	11.8	.2	-93.77	-85.3	-8.47	341	150	V
5	1.2	-87.08	RMS	28.3	-30.5	-15.5	11.8	.2	-92.78	-85.3	-7.48	341	150	V
6	1.233	-88.33	RMS	28.7	-30.3	-15.5	11.8	.2	-93.43	-85.3	-8.13	341	150	V

RMS - RMS detection

ANT. 0, CH9, CONFIG 3



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	AmplChl (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	1.171	-88.06	RMS	27.7	-30.5	-15.5	11.8	.2	-94.36	-85.3	-9.06	319	150	H
2	1.189	-89.61	RMS	28	-30.4	-15.5	11.8	.2	-95.51	-85.3	-10.21	360	150	H
3	1.225	-87.58	RMS	28.5	-30.4	-15.5	11.8	.2	-92.98	-85.3	-7.68	360	150	H
4	1.17	-87.69	RMS	27.7	-30.5	-15.5	11.8	.2	-93.99	-85.3	-8.69	173	150	V
5	1.214	-88.27	RMS	28.4	-30.4	-15.5	11.8	.2	-93.77	-85.3	-8.47	173	150	V
6	1.228	-87.29	RMS	28.6	-30.4	-15.5	11.8	.2	-92.59	-85.3	-7.29	173	150	V

RMS - RMS detection

ANT. 1, CH5, CONFIG 3

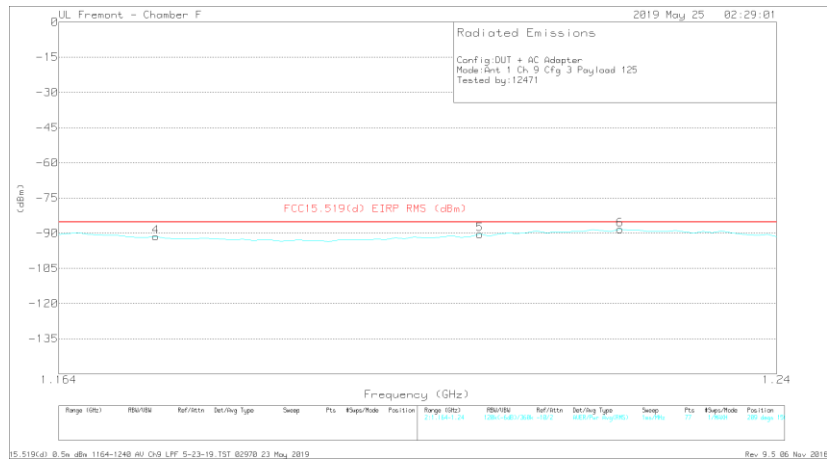
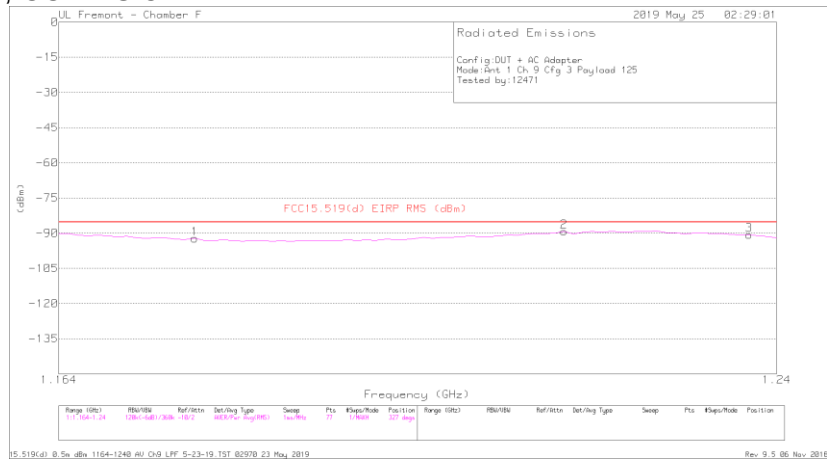


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Ampl/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	1.181	-86.89	RMS	28	-30.5	-15.5	11.8	2	-92.89	-85.3	-7.59	41	150	H
2	1.199	-86.61	RMS	28.3	-30.5	-15.5	11.8	2	-92.31	-85.3	-7.01	41	150	H
3	1.229	-88.25	RMS	28.6	-30.4	-15.5	11.8	2	-93.55	-85.3	-8.25	41	150	H
4	1.187	-87.67	RMS	28.1	-30.4	-15.5	11.8	2	-93.47	-85.3	-8.17	341	150	V
5	1.213	-88.76	RMS	28.4	-30.4	-15.5	11.8	2	-94.26	-85.3	-8.96	341	150	V
6	1.238	-88.77	RMS	28.6	-30.4	-15.5	11.8	2	-94.07	-85.3	-8.77	360	150	V

RMS - RMS detection

ANT. 1, CH9, CONFIG 3

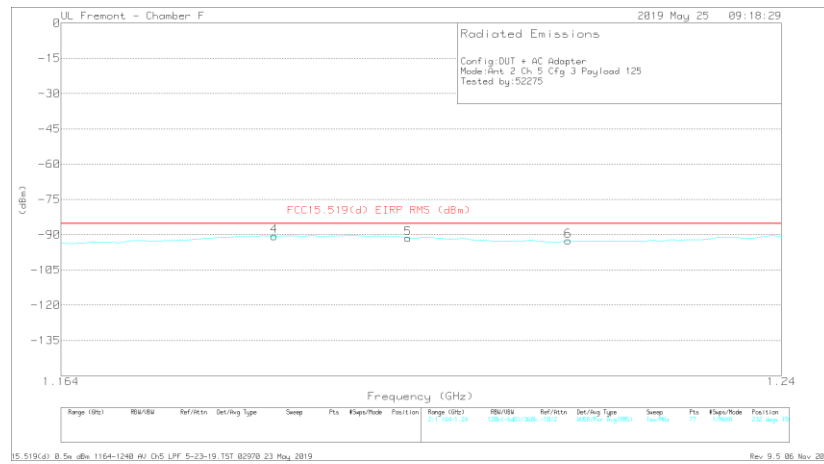
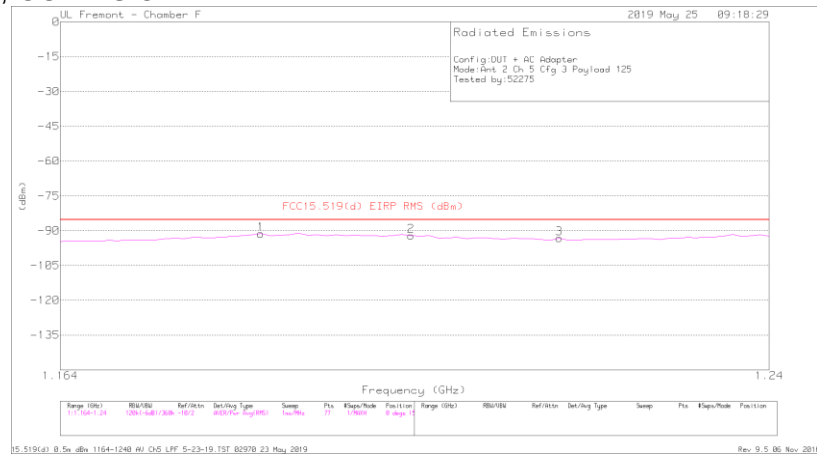


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Ampl 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	1.178	-86.04	RMS	27.8	-30.5	-15.5	11.8	.2	-92.24	-85.3	-6.94	283	150	H
2	1.217	-83.72	RMS	28.5	-30.5	-15.5	11.8	.2	-89.22	-85.3	-3.92	305	150	H
3	1.237	-85.59	RMS	28.7	-30.3	-15.5	11.8	.2	-90.69	-85.3	-5.39	261	150	H
4	1.174	-85.2	RMS	27.7	-30.5	-15.5	11.8	.2	-91.5	-85.3	-6.2	342	150	V
5	1.208	-84.74	RMS	28.2	-30.4	-15.5	11.8	.2	-90.44	-85.3	-5.14	342	150	V
6	1.223	-82.97	RMS	28.5	-30.4	-15.5	11.8	.2	-88.37	-85.3	-3.07	297	150	V

RMS - RMS detection

ANT. 2, CH5, CONFIG 3

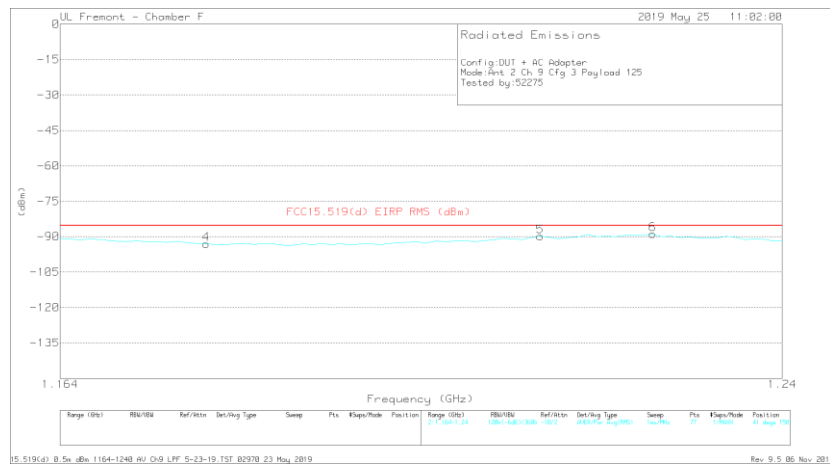
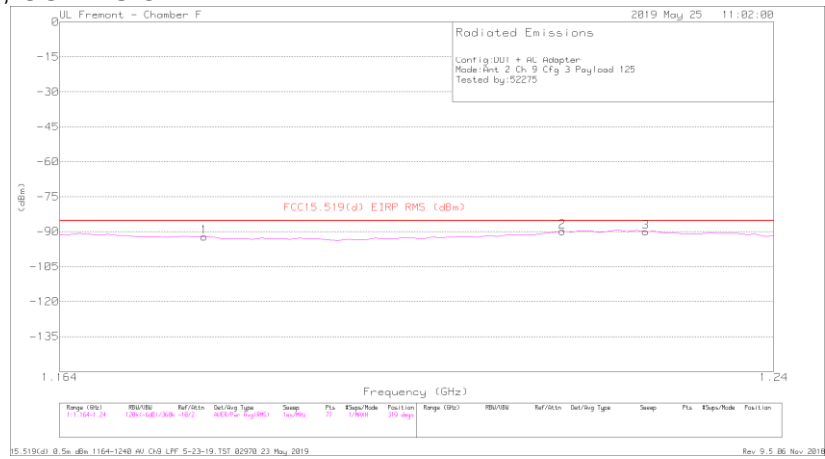


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	AmplCbl (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	1.185	-85.43	RMS	28	-30.4	-15.5	11.8	2	-91.33	-85.3	-6.03	41	150	H
2	1.201	-86.42	RMS	28.3	-30.5	-15.5	11.8	2	-92.12	-85.3	-6.82	41	150	H
3	1.217	-87.73	RMS	28.5	-30.5	-15.5	11.8	2	-93.23	-85.3	-7.93	63	150	H
4	1.186	-84.73	RMS	28	-30.4	-15.5	11.8	2	-90.63	-85.3	-5.33	275	150	V
5	1.2	-85.76	RMS	28.3	-30.5	-15.5	11.8	2	-91.46	-85.3	-6.16	209	150	V
6	1.217	-87.02	RMS	28.5	-30.5	-15.5	11.8	2	-92.52	-85.3	-7.22	77	150	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	Corrected Reading (dBm)	FCC15.519(d) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.179	-86.02	RMS	27.9	-30.5	-15.5	11.8	.2	-92.12	-85.3	-6.82	319	150	H
2	1.217	-84.25	RMS	28.5	-30.5	-15.5	11.8	.2	-89.75	-85.3	-4.45	319	150	H
3	1.226	-84.69	RMS	28.6	-30.4	-15.5	11.8	.2	-89.99	-85.3	-4.69	254	150	H
4	1.179	-86.96	RMS	27.9	-30.5	-15.5	11.8	.2	-93.06	-85.3	-7.76	173	150	V
5	1.214	-84.33	RMS	28.4	-30.4	-15.5	11.8	.2	-89.83	-85.3	-4.53	305	150	V
6	1.226	-83.57	RMS	28.6	-30.4	-15.5	11.8	.2	-88.87	-85.3	-3.57	305	150	V

RMS - RMS detection

ANT. 3, CH5, CONFIG 3

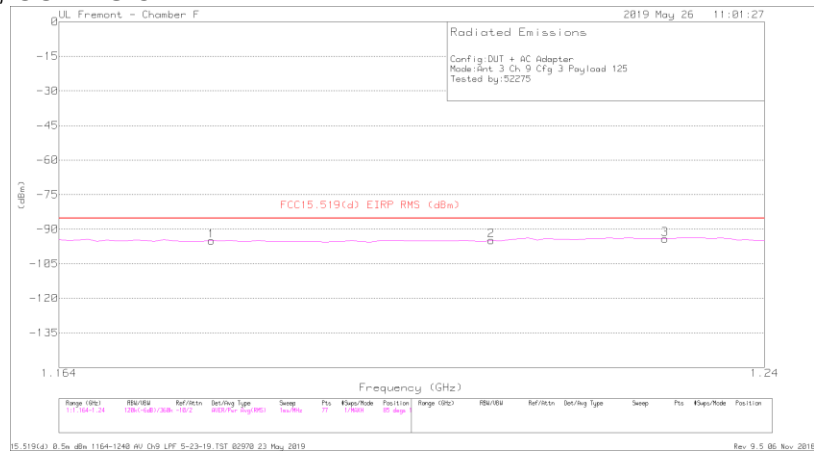


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH5 LP Filter	Corrected Reading (dBm)	FCC15.519(d) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.182	-85.52	RMS	28	-30.5	-15.5	11.8	.2	-91.52	-85.3	-6.22	19	148	H
2	1.198	-85.4	RMS	28.3	-30.5	-15.5	11.8	.2	-91.1	-85.3	-5.8	40	148	H
3	1.233	-86.66	RMS	28.7	-30.3	-15.5	11.8	.2	-91.76	-85.3	-6.46	261	148	H
4	1.182	-84.71	RMS	28	-30.5	-15.5	11.8	.2	-90.71	-85.3	-5.41	360	148	V
5	1.197	-84.73	RMS	28.2	-30.5	-15.5	11.8	.2	-90.53	-85.3	-5.23	360	148	V
6	1.234	-85.24	RMS	28.7	-30.3	-15.5	11.8	.2	-90.34	-85.3	-5.04	360	148	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	Corrected Reading (dBm)	FCC15.519(d) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.18	-88.9	RMS	27.9	-30.5	-15.5	11.8	.2	-95	-85.3	-9.7	326	148	H
2	1.21	-89.23	RMS	28.3	-30.4	-15.5	11.8	.2	-94.83	-85.3	-9.53	326	148	H
3	1.229	-88.88	RMS	28.6	-30.4	-15.5	11.8	.2	-94.18	-85.3	-8.88	305	148	H
4	1.18	-88.63	RMS	27.9	-30.5	-15.5	11.8	.2	-94.73	-85.3	-9.43	33	148	V
5	1.212	-88.25	RMS	28.3	-30.4	-15.5	11.8	.2	-93.85	-85.3	-8.55	231	148	V
6	1.229	-87.87	RMS	28.6	-30.4	-15.5	11.8	.2	-93.17	-85.3	-7.87	253	148	V

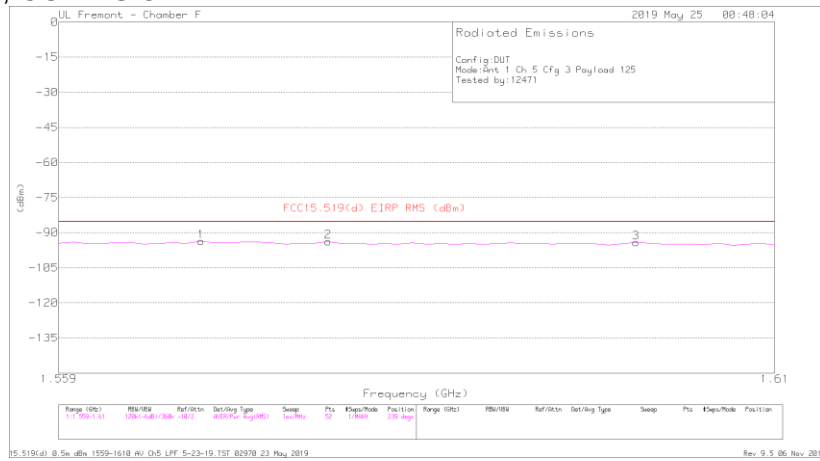
RMS - RMS detection



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Amp/Ctrl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH5 LP Filter	Corrected Reading (dBm)	FCCL5.519(dB) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.567	-89.73	RMS	28	-30.1	-15.5	11.8	2	-95.33	-85.3	-10.03	360	150	H
2	1.5676	-89.24	RMS	28.1	-30.2	-15.5	11.8	2	-94.84	-85.3	-9.54	297	150	H
3	1.5699	-89.73	RMS	28.1	-30.2	-15.5	11.8	2	-95.33	-85.3	-10.03	297	150	H
4	1.57	-89.58	RMS	28	-30.1	-15.5	11.8	2	-95.18	-85.3	-9.88	0	150	V
5	1.5691	-89.82	RMS	28.1	-30.2	-15.5	11.8	2	-95.42	-85.3	-10.12	173	150	V
6	1.604	-89.32	RMS	28	-30.2	-15.5	11.8	2	-95.02	-85.3	-9.72	129	150	V

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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 LP Filter	Corrected Reading (dBm)	FCC15.519(d) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.569	-88.05	RMS	28	-30.1	-15.5	11.8	.2	-93.65	-85.3	-8.35	129	150	H
2	1.578	-88.29	RMS	28.1	-30.1	-15.5	11.8	.2	-93.79	-85.3	-8.49	239	150	H
3	1.6	-88.62	RMS	28.1	-30.2	-15.5	11.8	.2	-94.22	-85.3	-8.92	129	150	H
4	1.563	-87.93	RMS	28	-30.1	-15.5	11.8	.2	-93.53	-85.3	-8.23	188	150	V
5	1.585	-88.42	RMS	28.1	-30.1	-15.5	11.8	.2	-93.92	-85.3	-8.62	143	150	V
6	1.6	-88.27	RMS	28.1	-30.2	-15.5	11.8	.2	-93.87	-85.3	-8.57	122	150	V

RMS - RMS detection

ANT. 1, CH9, CONFIG 3

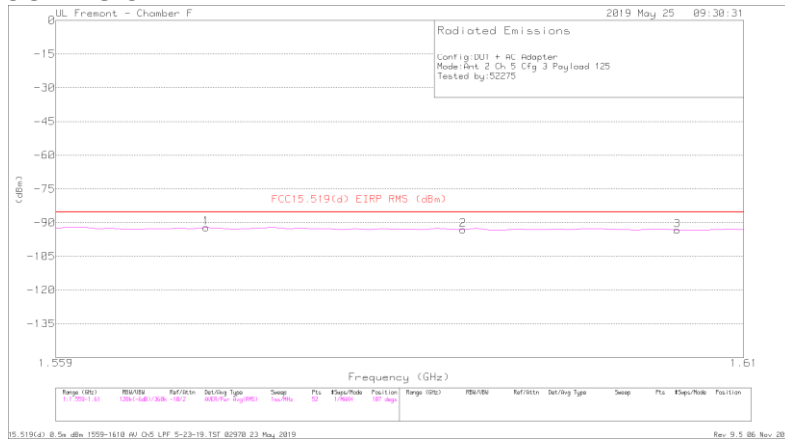


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9 LP Filter	Corrected Reading (dBm)	FCC15.519(d) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.569	-86.41	RMS	28	-30.1	-15.5	11.8	.3	-91.91	-85.3	-6.61	41	150	H
2	1.581	-86.37	RMS	28	-30.1	-15.5	11.8	.3	-91.87	-85.3	-6.57	19	150	H
3	1.596	-85.33	RMS	28.1	-30.2	-15.5	11.8	.3	-90.83	-85.3	-5.53	151	150	H
4	1.568	-86.16	RMS	28	-30.1	-15.5	11.8	.3	-91.66	-85.3	-6.36	360	150	V
5	1.576	-85.92	RMS	28.1	-30.2	-15.5	11.8	.3	-91.42	-85.3	-6.12	275	150	V
6	1.598	-85.83	RMS	28.1	-30.1	-15.5	11.8	.3	-91.23	-85.3	-5.93	275	150	V

RMS - RMS detection

ANT. 2, CH5, CONFIG 3

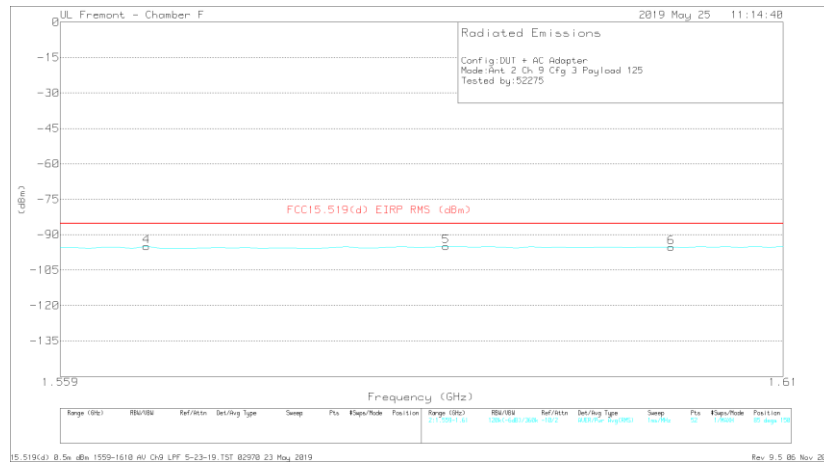


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH5 LP Filter	Corrected Reading (dBm)	FCC15.519(d) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.57	-86.54	RMS	28	-30.1	-15.5	11.8	.2	-92.14	-85.3	-6.84	129	150	H
2	1.589	-87.5	RMS	28.1	-30.2	-15.5	11.8	.2	-93.1	-85.3	-7.8	19	150	H
3	1.605	-87.61	RMS	28	-30.2	-15.5	11.8	.2	-93.31	-85.3	-8.01	63	150	H
4	1.57	-87.76	RMS	28	-30.1	-15.5	11.8	.2	-93.36	-85.3	-8.06	319	150	V
5	1.589	-88.2	RMS	28.1	-30.2	-15.5	11.8	.2	-93.8	-85.3	-8.5	319	150	V
6	1.605	-88.3	RMS	28	-30.2	-15.5	11.8	.2	-94	-85.3	-8.7	121	150	V

RMS - RMS detection

ANT. 2, CH9, CONFIG 3

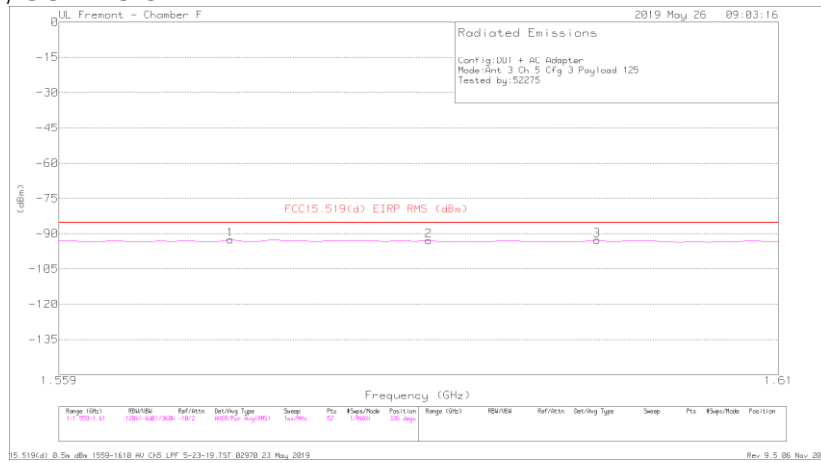


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9 LP Filter	Corrected Reading (dBm)	FCC15.519(d) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.566	-86.54	RMS	28	-30.1	-15.5	11.8	.3	-92.04	-85.3	-6.74	232	150	H
2	1.586	-86.19	RMS	28.1	-30.1	-15.5	11.8	.3	-91.59	-85.3	-6.29	360	150	H
3	1.602	-86.19	RMS	28	-30.2	-15.5	11.8	.3	-91.79	-85.3	-6.49	144	150	H
4	1.565	-89.44	RMS	28	-30.1	-15.5	11.8	.3	-94.94	-85.3	-9.64	261	150	V
5	1.586	-89.54	RMS	28.1	-30.1	-15.5	11.8	.3	-94.94	-85.3	-9.64	195	150	V
6	1.602	-89.74	RMS	28	-30.2	-15.5	11.8	.3	-95.34	-85.3	-10.04	195	150	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	Corrected Reading (dBm)	FCC15.519(d) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.571	-87.03	RMS	28.1	-30.1	-15.5	11.8	.2	-92.53	-85.3	-7.23	326	148	H
2	1.585	-87.33	RMS	28.1	-30.1	-15.5	11.8	.2	-92.83	-85.3	-7.53	326	148	H
3	1.597	-87.21	RMS	28.1	-30.1	-15.5	11.8	.2	-92.71	-85.3	-7.41	326	148	H
4	1.571	-87.9	RMS	28.1	-30.1	-15.5	11.8	.2	-93.4	-85.3	-8.1	144	148	V
5	1.586	-88.14	RMS	28.1	-30.1	-15.5	11.8	.2	-93.64	-85.3	-8.34	99	148	V
6	1.597	-88.45	RMS	28.1	-30.1	-15.5	11.8	.2	-93.95	-85.3	-8.65	99	148	V

RMS - RMS detection

ANT. 3, CH9, CONFIG 3

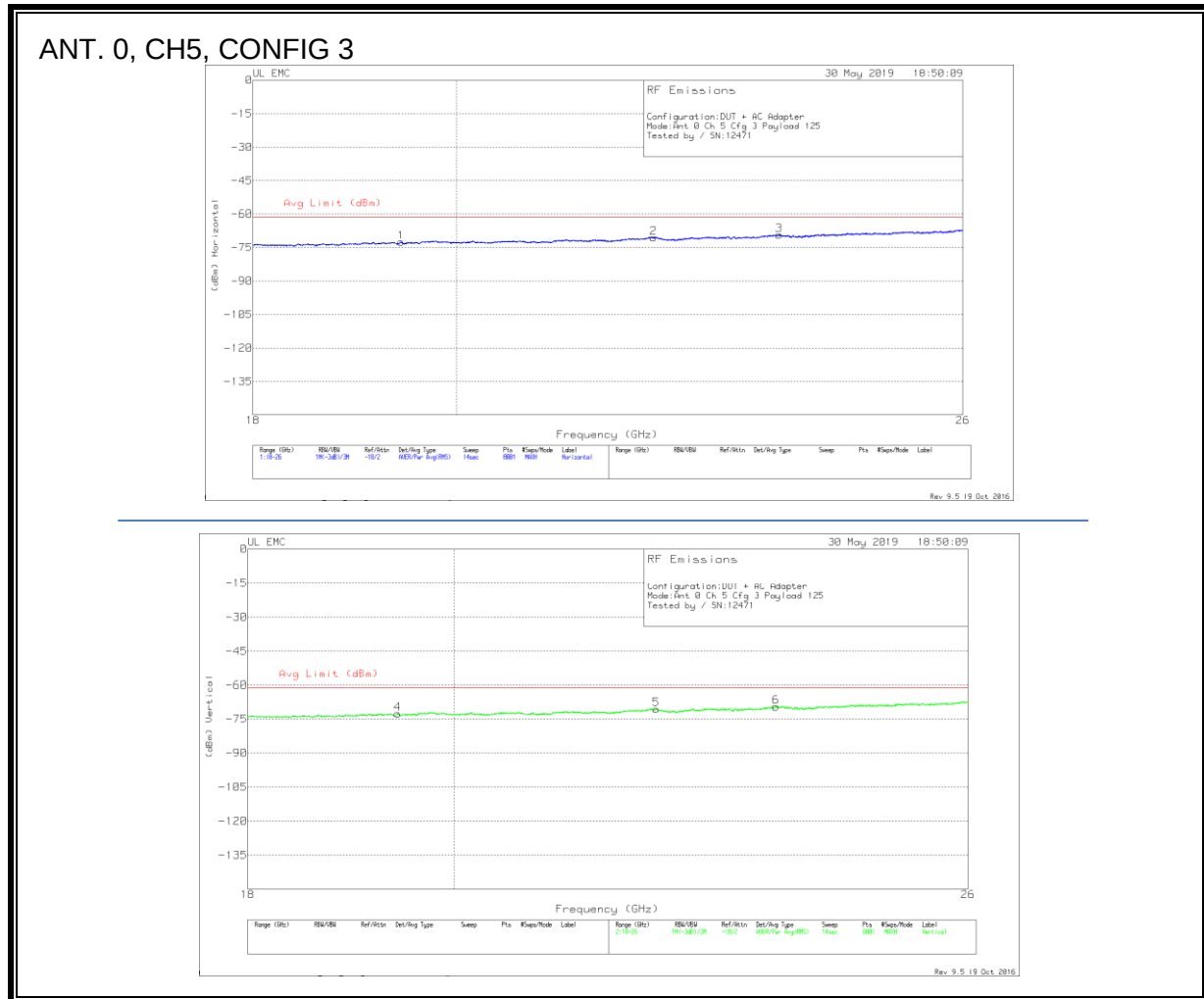


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	AmplCbl (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	1.567	-89.24	RMS	28	-30.1	-15.5	11.8	.3	-94.74	-85.3	-9.44	173	148	H
2	1.579	-88.3	RMS	28.1	-30.1	-15.5	11.8	.3	-93.7	-85.3	-8.4	129	148	H
3	1.605	-88	RMS	28	-30.2	-15.5	11.8	.3	-93.6	-85.3	-8.3	129	148	H
4	1.566	-88.54	RMS	28	-30.1	-15.5	11.8	.3	-94.04	-85.3	-8.74	187	148	V
5	1.578	-88.44	RMS	28.1	-30.1	-15.5	11.8	.3	-93.84	-85.3	-8.54	166	148	V
6	1.604	-88.14	RMS	28	-30.2	-15.5	11.8	.3	-93.74	-85.3	-8.44	99	148	V

RMS - RMS detection

8.4.7. AVERAGE EMISSIONS, 18 - 26 GHz

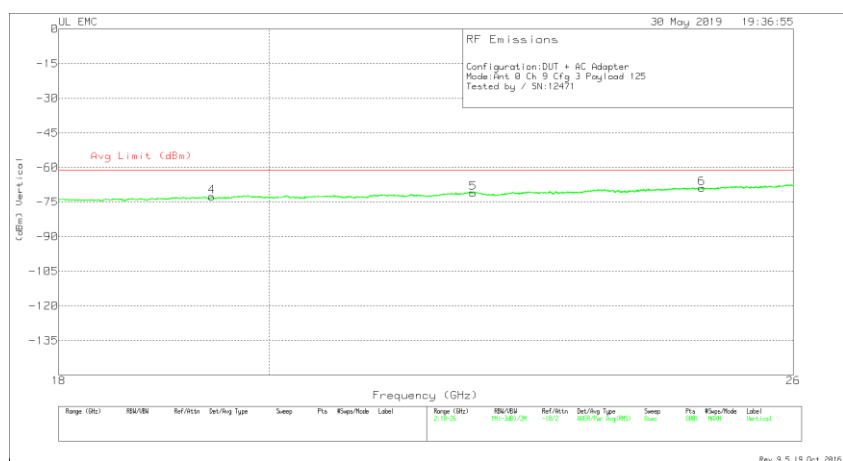
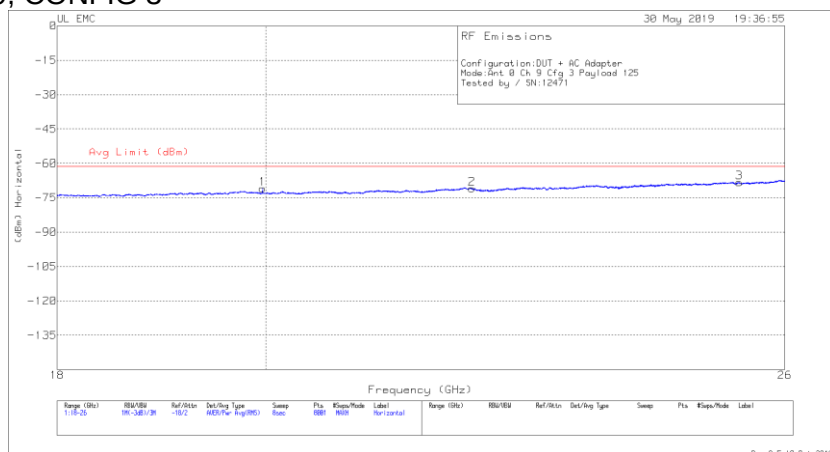


Trace Markers

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	19.436	-80.29	RMS	32.8	-21.2	-15.6	11.8	-72.49	-61.3	-11.19	H
2	22.151	-79.71	RMS	33.4	-20.5	-15.6	11.8	-70.61	-61.3	-9.31	H
3	23.638	-79.84	RMS	34.1	-19.8	-15.6	11.8	-69.34	-61.3	-8.04	H
4	19.432	-80.46	RMS	32.8	-21.2	-15.6	11.8	-72.66	-61.3	-11.36	V
5	22.172	-80	RMS	33.4	-20.2	-15.6	11.8	-70.6	-61.3	-9.3	V
6	23.569	-79.92	RMS	34.1	-19.9	-15.6	11.8	-69.52	-61.3	-8.22	V

RMS - RMS detection

ANT. 0, CH9, CONFIG 3

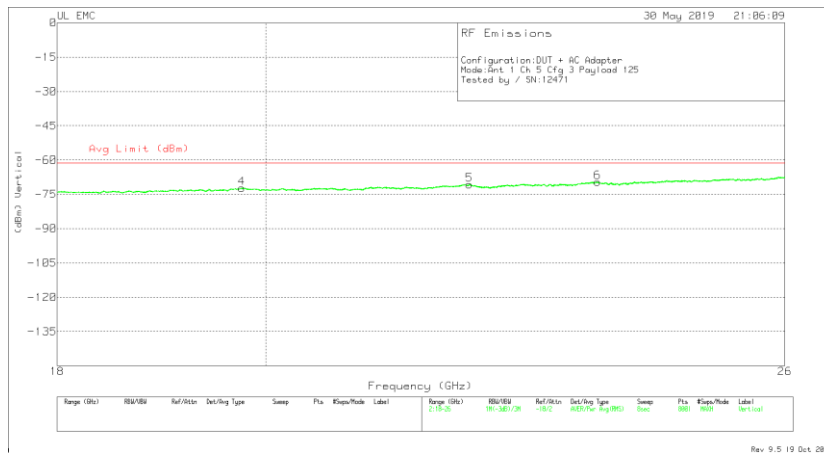
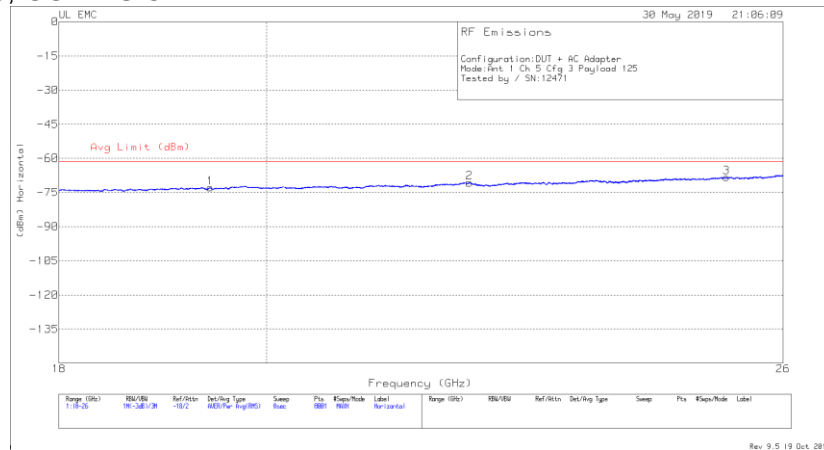


Trace Markers

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	19.968	-78.24	RMS	32.7	-21.6	-15.6	11.8	-70.94	-61.3	-9.64	H
2	22.195	-80.43	RMS	33.4	-20.1	-15.6	11.8	-70.93	-61.3	-9.63	H
3	25.406	-79.21	RMS	34.5	-19.8	-15.6	11.8	-68.31	-61.3	-7.01	H
4	19.433	-80.47	RMS	32.8	-21.2	-15.6	11.8	-72.67	-61.3	-11.37	V
5	22.147	-80.11	RMS	33.4	-20.5	-15.6	11.8	-71.01	-61.3	-9.71	V
6	24.834	-80	RMS	34.4	-19.5	-15.6	11.8	-68.9	-61.3	-7.6	V

RMS - RMS detection

ANT. 1, CH5, CONFIG 3

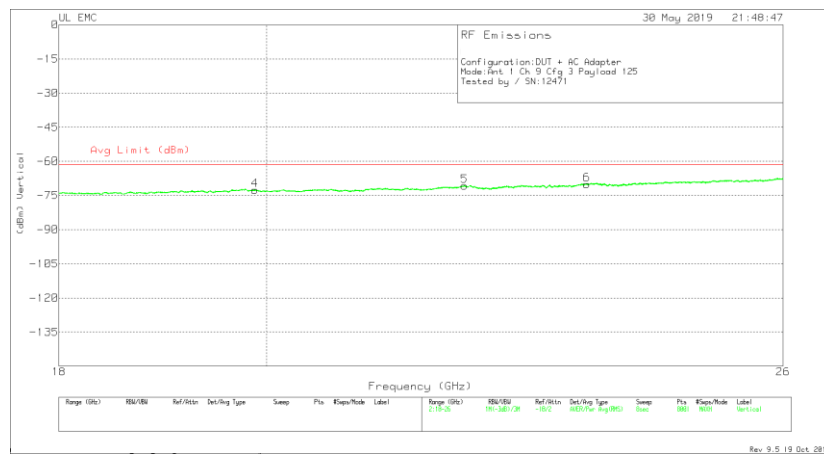
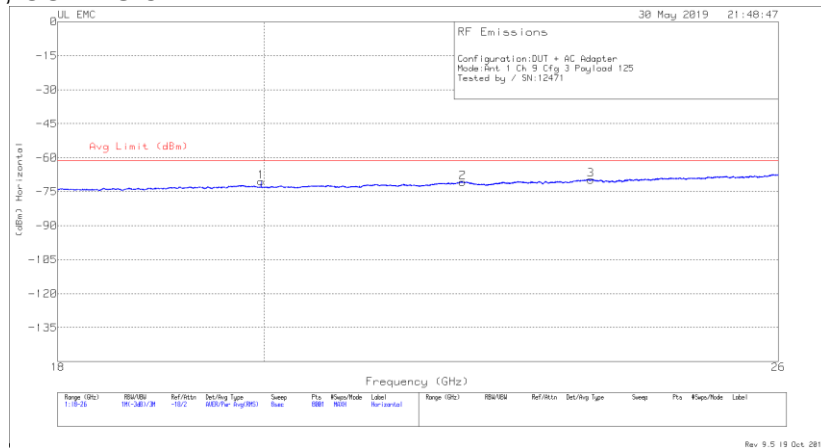


Trace Markers

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	19.438	-80.67	RMS	32.8	-21.2	-15.6	11.8	-72.87	-61.3	-11.57	H
2	22.17	-80.02	RMS	33.4	-20.2	-15.6	11.8	-70.62	-61.3	-9.32	H
3	25.261	-79.16	RMS	34.6	-19.9	-15.6	11.8	-68.26	-61.3	-6.96	H
4	19.76	-79.76	RMS	32.7	-21.4	-15.6	11.8	-72.26	-61.3	-10.96	V
5	22.167	-80.15	RMS	33.4	-20.2	-15.6	11.8	-70.75	-61.3	-9.45	V
6	23.651	-80.15	RMS	34.1	-19.7	-15.6	11.8	-69.55	-61.3	-8.25	V

RMS - RMS detection

ANT. 1, CH9, CONFIG 3

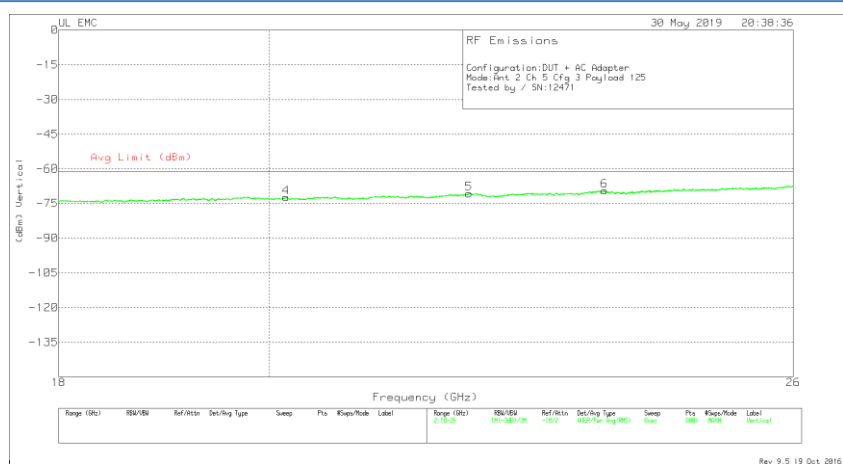
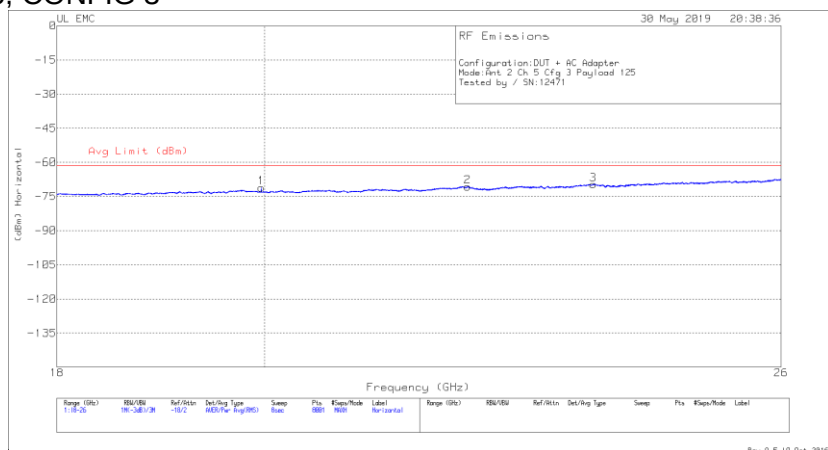


Trace Markers

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	19.968	-77.83	RMS	32.7	-21.6	-15.6	11.8	-70.53	-61.3	-9.23	H
2	22.13	-79.91	RMS	33.4	-20.4	-15.6	11.8	-70.71	-61.3	-9.41	H
3	23.627	-80.12	RMS	34.1	-19.9	-15.6	11.8	-69.72	-61.3	-8.42	H
4	19.882	-80.06	RMS	32.7	-21.4	-15.6	11.8	-72.56	-61.3	-11.26	V
5	22.114	-80.01	RMS	33.4	-20.3	-15.6	11.8	-70.71	-61.3	-9.41	V
6	23.532	-80.31	RMS	34.1	-20	-15.6	11.8	-70.01	-61.3	-8.71	V

RMS - RMS detection

ANT. 2, CH5, CONFIG 3

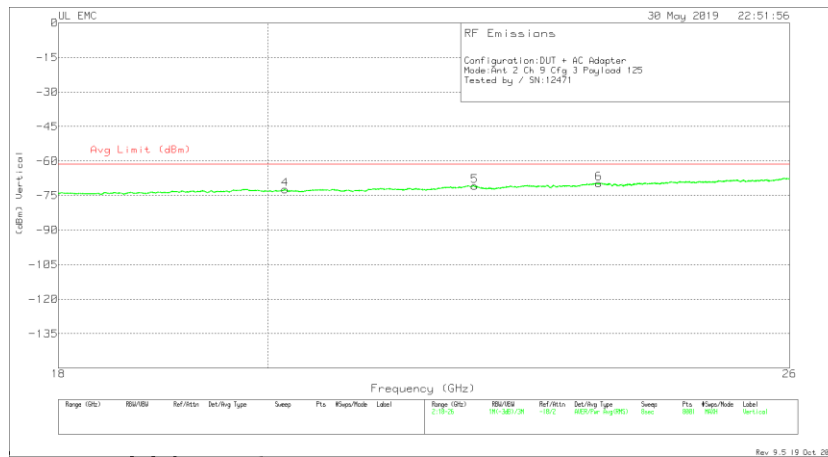
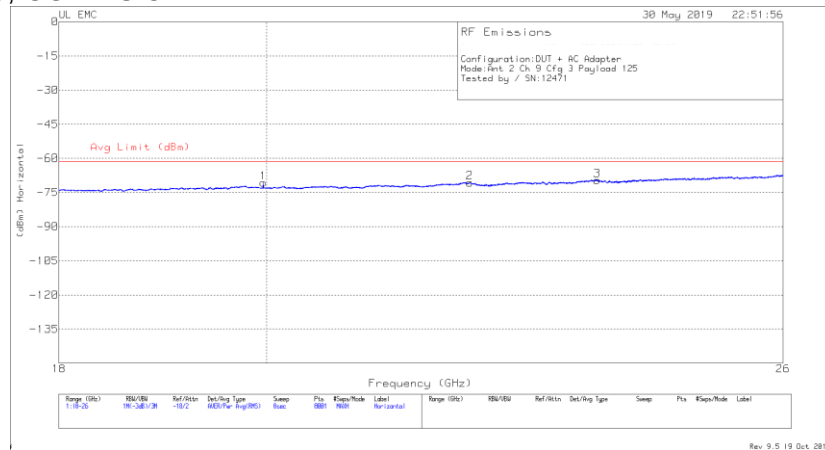


Trace Markers

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	19.968	-78.4	RMS	32.7	-21.6	-15.6	11.8	-71.1	-61.3	-9.8	H
2	22.173	-80.16	RMS	33.4	-20.1	-15.6	11.8	-70.66	-61.3	-9.36	H
3	23.633	-80.2	RMS	34.1	-19.8	-15.6	11.8	-69.7	-61.3	-8.4	H
4	20.17	-80.35	RMS	32.7	-20.9	-15.6	11.8	-72.35	-61.3	-11.05	V
5	22.101	-79.99	RMS	33.4	-20.3	-15.6	11.8	-70.69	-61.3	-9.39	V
6	23.653	-80.05	RMS	34.1	-19.7	-15.6	11.8	-69.45	-61.3	-8.15	V

RMS - RMS detection

ANT. 2, CH9, CONFIG 3

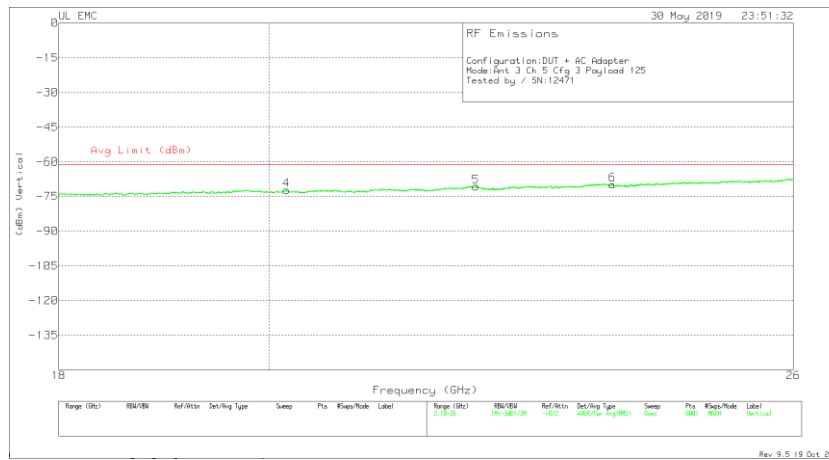
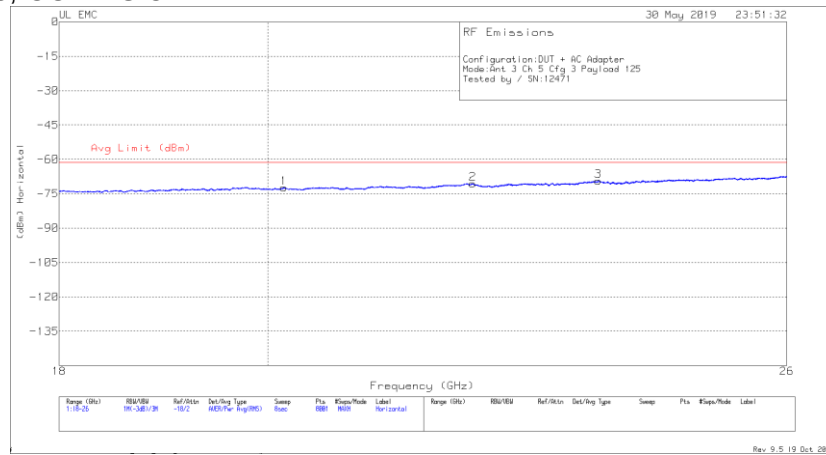


Trace Markers

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	19.968	-77.96	RMS	32.7	-21.6	-15.6	11.8	-70.66	-61.3	-9.36	H
2	22.175	-80.13	RMS	33.4	-20.1	-15.6	11.8	-70.63	-61.3	-9.33	H
3	23.656	-80.15	RMS	34.1	-19.7	-15.6	11.8	-69.55	-61.3	-8.25	H
4	20.174	-80.36	RMS	32.8	-20.9	-15.6	11.8	-72.26	-61.3	-10.96	V
5	22.19	-80.3	RMS	33.4	-20.1	-15.6	11.8	-70.8	-61.3	-9.5	V
6	23.62	-80.06	RMS	34.1	-19.9	-15.6	11.8	-69.66	-61.3	-8.36	V

RMS - RMS detection

ANT. 3, CH5, CONFIG 3

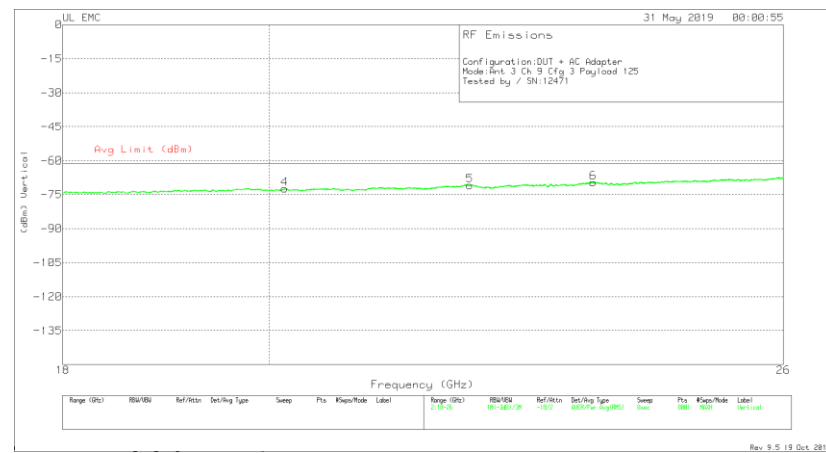
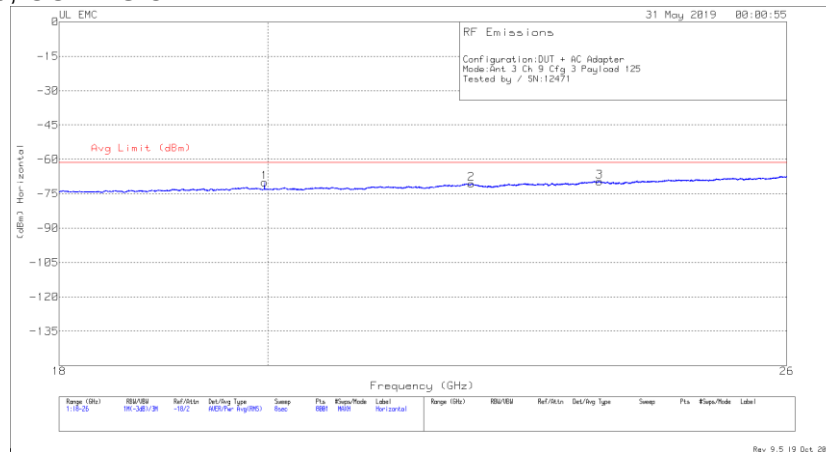


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	T447 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Conversion Factor (dB)	EIRP (dBm)	Avg Limit (dBm)	Margin (dB)	Polarity
1	20.165	-80.31	RMS	32.7	-20.9	-15.6	11.8	-72.31	-61.3	-11.01	H
2	22.183	-80.2	RMS	33.4	-20	-15.6	11.8	-70.6	-61.3	-9.3	H
3	23.635	-79.85	RMS	34.1	-19.8	-15.6	11.8	-69.35	-61.3	-8.05	H
4	20.173	-80.23	RMS	32.7	-20.9	-15.6	11.8	-72.23	-61.3	-10.93	V
5	22.18	-80.18	RMS	33.4	-20.1	-15.6	11.8	-70.68	-61.3	-9.38	V
6	23.748	-80.63	RMS	34.1	-19.5	-15.6	11.8	-69.83	-61.3	-8.53	V

RMS - RMS detection

ANT. 3, CH9, CONFIG 3

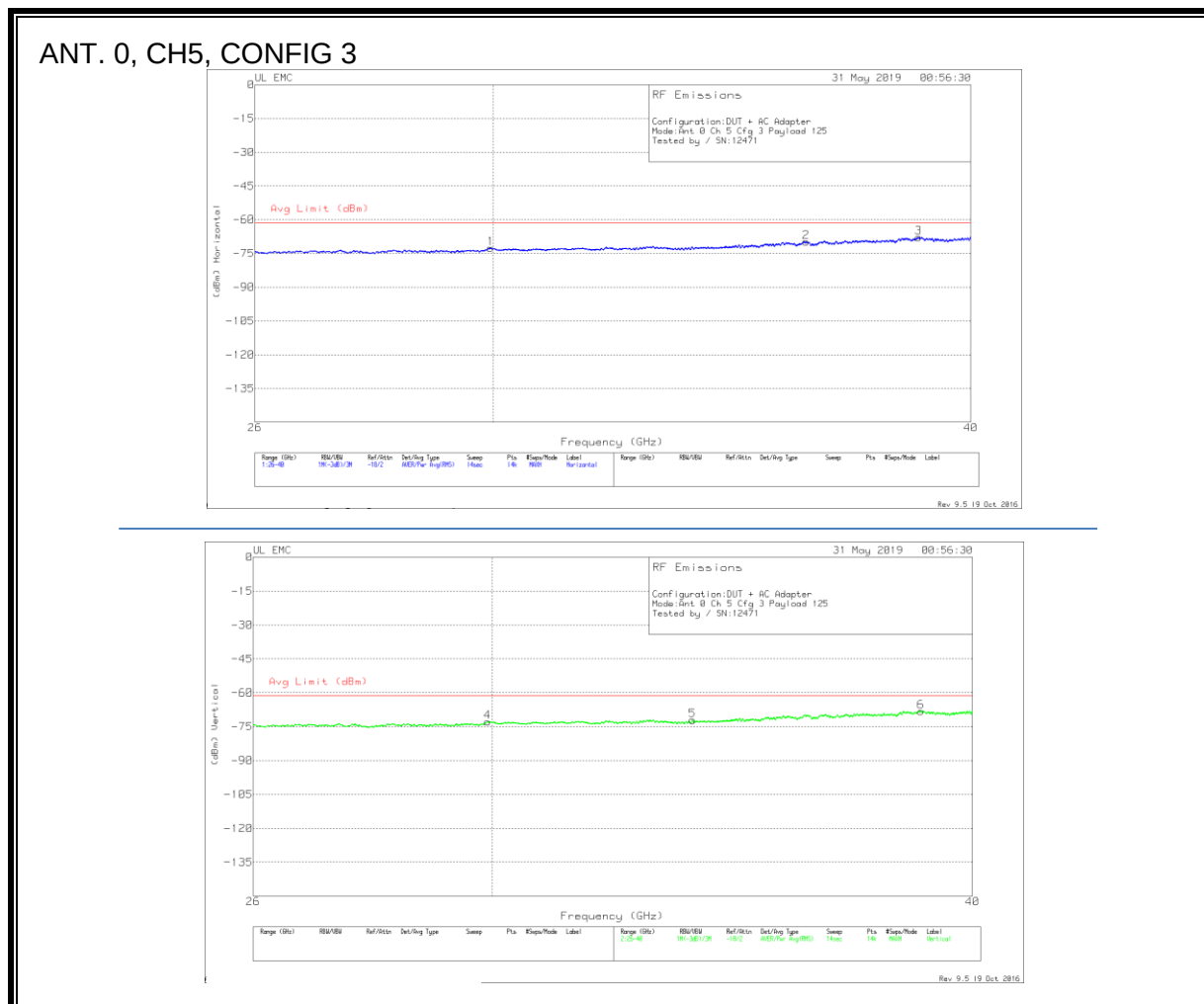


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	T447 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Conversion Factor (dB)	EIRP (dBm)	Avg Limit (dBm)	Margin (dB)	Polarity
1	19.968	-77.28	RMS	32.7	-21.6	-15.6	11.8	-69.98	-61.3	-8.68	H
2	22.166	-79.87	RMS	33.4	-20.3	-15.6	11.8	-70.57	-61.3	-9.27	H
3	23.649	-80.15	RMS	34.1	-19.7	-15.6	11.8	-69.55	-61.3	-8.25	H
4	20.159	-80.25	RMS	32.7	-21	-15.6	11.8	-72.35	-61.3	-11.05	V
5	22.155	-79.99	RMS	33.4	-20.5	-15.6	11.8	-70.89	-61.3	-9.59	V
6	23.593	-80.01	RMS	34.1	-19.9	-15.6	11.8	-69.61	-61.3	-8.31	V

RMS - RMS detection

8.4.8. AVERAGE EMISSIONS, 26 – 40 GHz

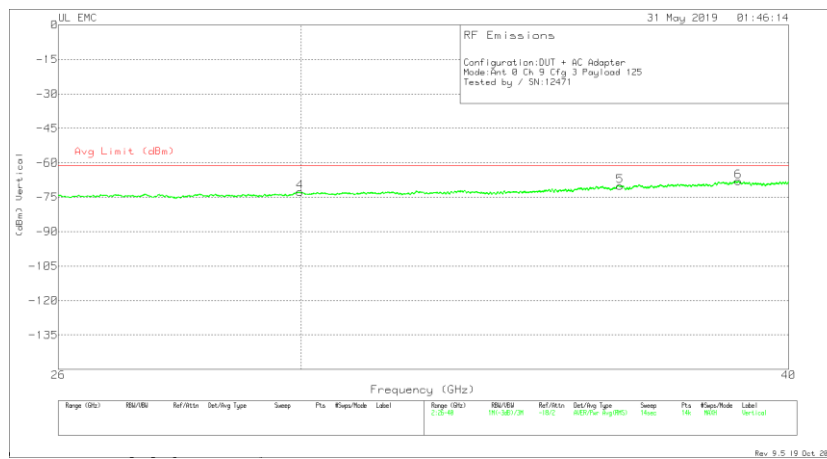
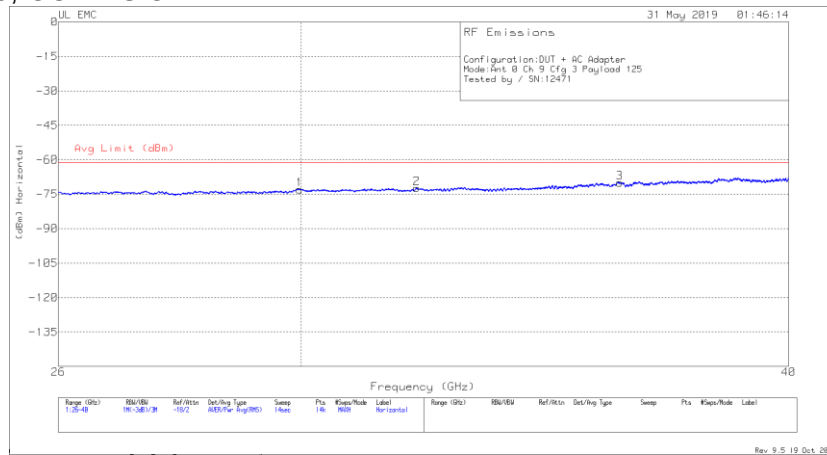


Trace Markers

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)	Polarity
1	29.959	-77.06	RMS	36.7	-28.4	-15.6	11.8	-72.56	-61.3	-11.26	H
2	36.224	-75.79	RMS	37.6	-27.8	-15.6	11.8	-69.79	-61.3	-8.49	H
3	38.761	-75.51	RMS	38.4	-26.9	-15.6	11.8	-67.81	-61.3	-6.51	H
4	29.915	-77.38	RMS	36.7	-28.4	-15.6	11.8	-72.88	-61.3	-11.58	V
5	33.825	-77.37	RMS	37.2	-28.1	-15.6	11.8	-72.07	-61.3	-10.77	V
6	38.78	-76.06	RMS	38.3	-26.7	-15.6	11.8	-68.26	-61.3	-6.96	V

RMS - RMS detection

ANT. 0, CH9, CONFIG 3

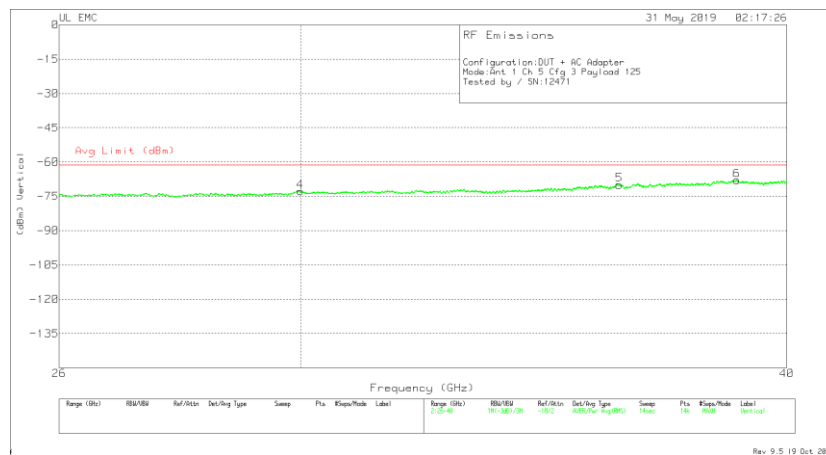
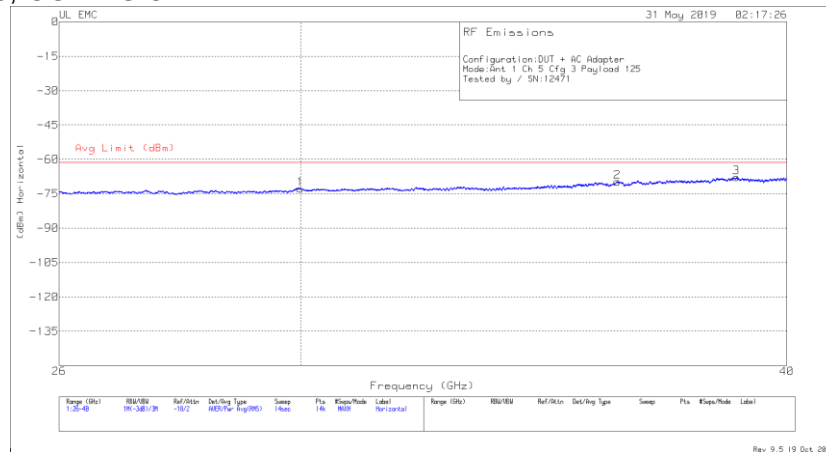


Trace Markers

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)	Polarity
1	29.976	-77.3	RMS	36.7	-28.5	-15.6	11.8	-72.9	-61.3	-11.6	H
2	32.118	-76.31	RMS	36.6	-28.8	-15.6	11.8	-72.31	-61.3	-11.01	H
3	36.205	-75.84	RMS	37.3	-27.6	-15.6	11.8	-69.94	-61.3	-8.64	H
4	29.983	-76.99	RMS	36.6	-28.5	-15.6	11.8	-72.69	-61.3	-11.39	V
5	36.212	-76	RMS	37.4	-27.7	-15.6	11.8	-70.1	-61.3	-8.8	V
6	38.827	-75.96	RMS	38.5	-26.7	-15.6	11.8	-67.96	-61.3	-6.66	V

RMS - RMS detection

ANT. 1, CH5, CONFIG 3

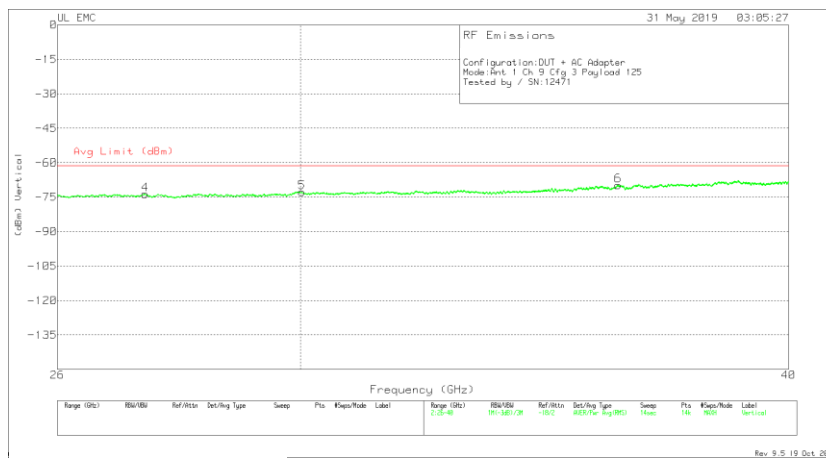
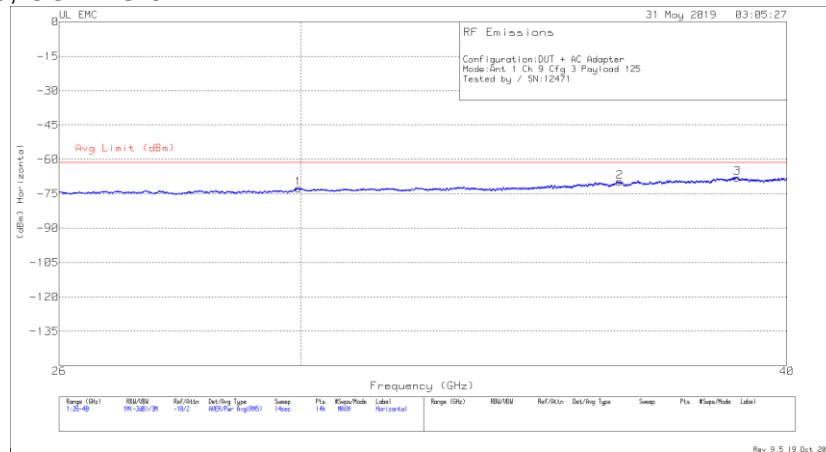


Trace Markers

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)	Polarity
1	29.987	-77.15	RMS	36.6	-28.5	-15.6	11.8	-72.85	-61.3	-11.55	H
2	36.181	-75.85	RMS	37.5	-27.6	-15.6	11.8	-69.75	-61.3	-8.45	H
3	38.82	-75.77	RMS	38.5	-26.8	-15.6	11.8	-67.87	-61.3	-6.57	H
4	29.99	-77.1	RMS	36.6	-28.5	-15.6	11.8	-72.8	-61.3	-11.5	V
5	36.218	-75.85	RMS	37.5	-27.8	-15.6	11.8	-69.95	-61.3	-8.65	V
6	38.831	-75.84	RMS	38.4	-26.7	-15.6	11.8	-67.94	-61.3	-6.64	V

RMS - RMS detection

ANT. 1, CH9, CONFIG 3

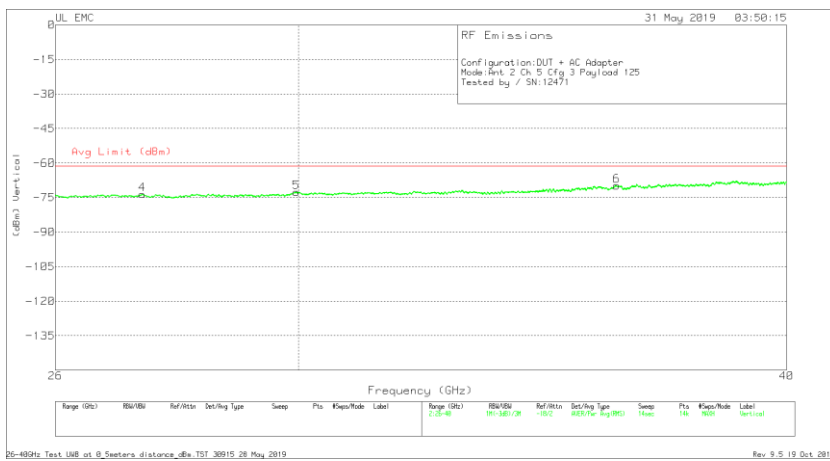
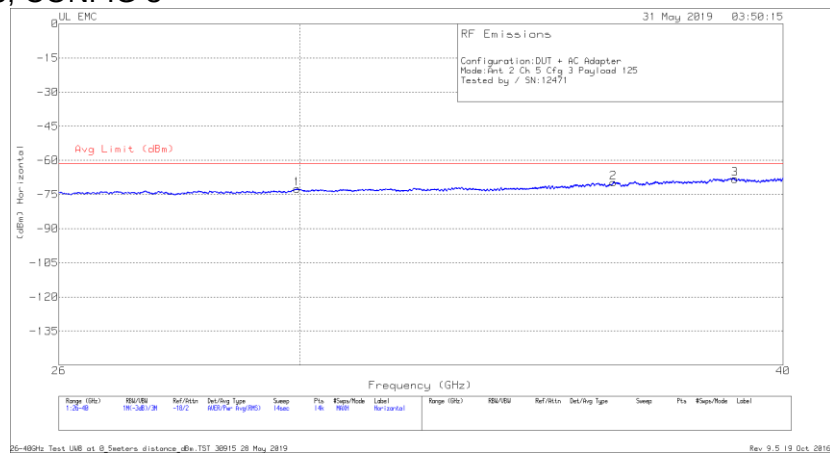


Trace Markers

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)	Polarity
1	29.957	-77.15	RMS	36.7	-28.4	-15.6	11.8	-72.65	-61.3	-11.35	H
2	36.23	-75.86	RMS	37.7	-27.8	-15.6	11.8	-69.76	-61.3	-8.46	H
3	38.837	-75.89	RMS	38.4	-26.7	-15.6	11.8	-67.99	-61.3	-6.69	H
4	27.378	-74.94	RMS	35.9	-30.8	-15.6	11.8	-73.64	-61.3	-12.34	V
5	30.031	-77.06	RMS	36.7	-28.6	-15.6	11.8	-72.76	-61.3	-11.46	V
6	36.174	-75.98	RMS	37.6	-27.6	-15.6	11.8	-69.78	-61.3	-8.48	V

RMS - RMS detection

ANT. 2, CH5, CONFIG 3

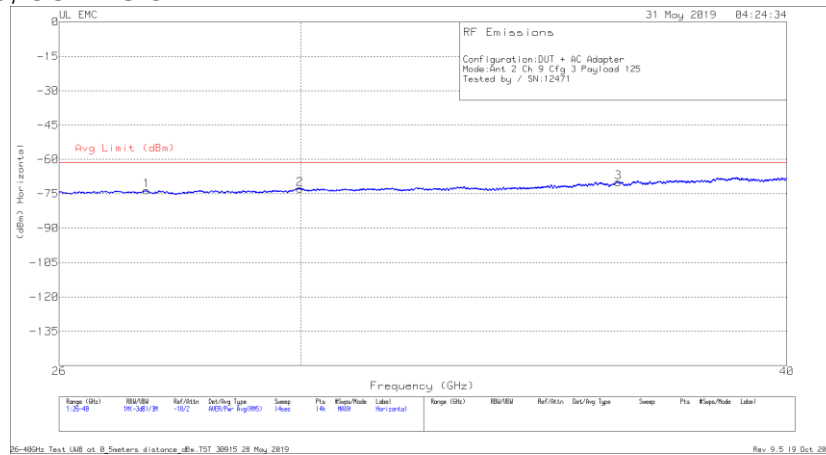


Trace Markers

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)	Polarity
1	29.957	-76.98	RMS	36.7	-28.4	-15.6	11.8	-72.48	-61.3	-11.18	H
2	36.158	-75.8	RMS	37.6	-27.7	-15.6	11.8	-69.7	-61.3	-8.4	H
3	38.87	-76.14	RMS	38.3	-26.5	-15.6	11.8	-68.14	-61.3	-6.84	H
4	27.365	-74.87	RMS	35.9	-30.8	-15.6	11.8	-73.57	-61.3	-12.27	V
5	29.965	-77.1	RMS	36.7	-28.4	-15.6	11.8	-72.6	-61.3	-11.3	V
6	36.185	-75.8	RMS	37.4	-27.6	-15.6	11.8	-69.8	-61.3	-8.5	V

RMS - RMS detection

ANT. 2, CH9, CONFIG 3

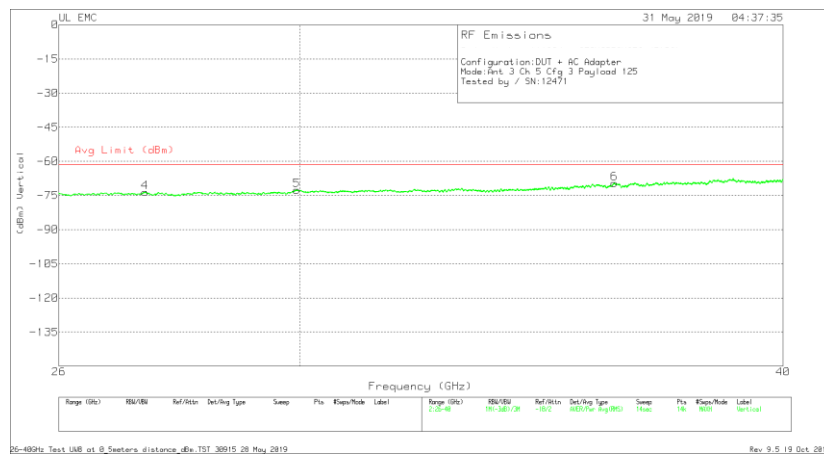
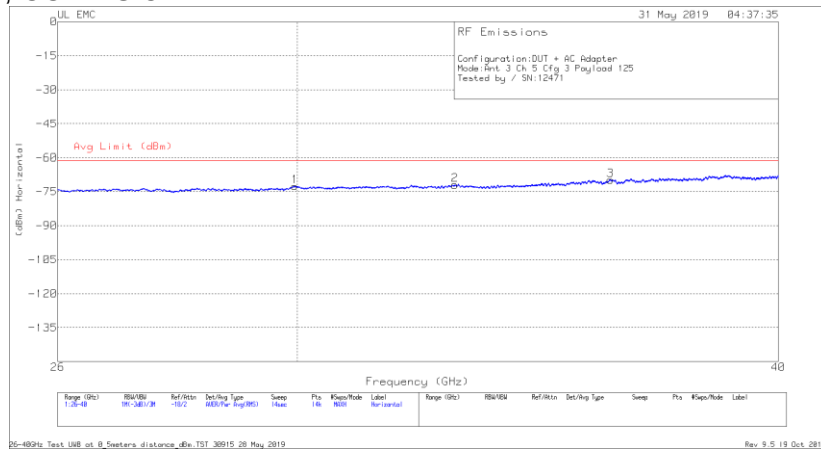


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	T446 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Conversion Factor (dB)	EIRP (dBm)	Avg Limit (dBm)	Margin (dB)	Polarity
1	27.378	-74.82	RMS	35.9	-30.8	-15.6	11.8	-73.52	-61.3	-12.22	H
2	29.981	-77.1	RMS	36.6	-28.5	-15.6	11.8	-72.8	-61.3	-11.5	H
3	36.198	-75.85	RMS	37.3	-27.6	-15.6	11.8	-69.95	-61.3	-8.65	H
4	27.393	-75.09	RMS	35.9	-30.9	-15.6	11.8	-73.89	-61.3	-12.59	V
5	29.98	-77.07	RMS	36.6	-28.5	-15.6	11.8	-72.77	-61.3	-11.47	V
6	38.816	-75.69	RMS	38.4	-26.8	-15.6	11.8	-67.89	-61.3	-6.59	V

RMS - RMS detection

ANT. 3, CH5, CONFIG 3

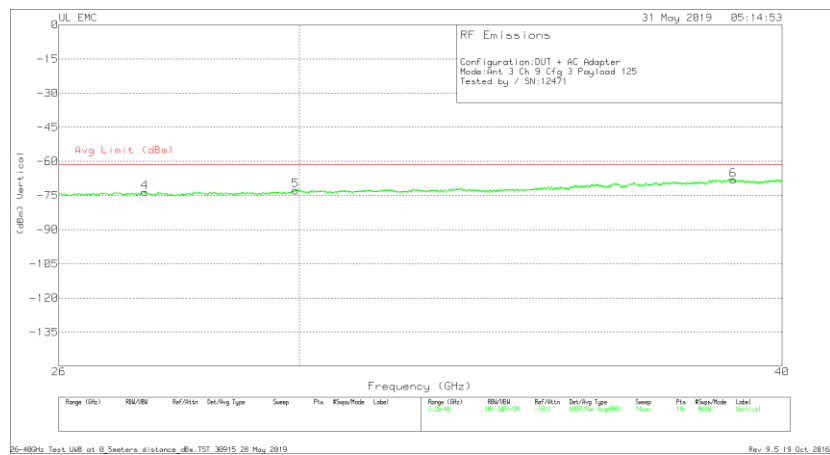
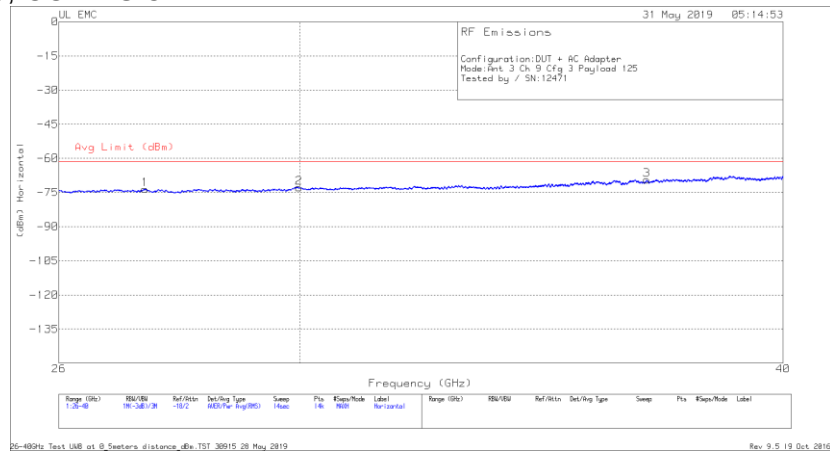


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	T446 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Conversion Factor (dB)	EIRP (dBm)	Avg Limit (dBm)	Margin (dB)	Polarity
1	29.958	-77.09	RMS	36.7	-28.4	-15.6	11.8	-72.59	-61.3	-11.29	H
2	32.967	-76.49	RMS	37.1	-28.8	-15.6	11.8	-71.99	-61.3	-10.69	H
3	36.182	-75.92	RMS	37.5	-27.6	-15.6	11.8	-69.82	-61.3	-8.52	H
4	27.366	-74.84	RMS	35.9	-30.8	-15.6	11.8	-73.54	-61.3	-12.24	V
5	29.949	-77.06	RMS	36.7	-28.4	-15.6	11.8	-72.56	-61.3	-11.26	V
6	36.179	-75.7	RMS	37.5	-27.6	-15.6	11.8	-69.6	-61.3	-8.3	V

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)	Polarity
1	27.361	-74.71	RMS	35.8	-30.8	-15.6	11.8	-73.51	-61.3	-12.21	H
2	29.987	-77.13	RMS	36.6	-28.5	-15.6	11.8	-72.83	-61.3	-11.53	H
3	36.881	-76.15	RMS	37.8	-27.3	-15.6	11.8	-69.45	-61.3	-8.15	H
4	27.368	-74.72	RMS	35.9	-30.8	-15.6	11.8	-73.42	-61.3	-12.12	V
5	29.934	-77.09	RMS	36.7	-28.5	-15.6	11.8	-72.69	-61.3	-11.39	V
6	38.847	-76.01	RMS	38.3	-26.6	-15.6	11.8	-68.11	-61.3	-6.81	V

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.

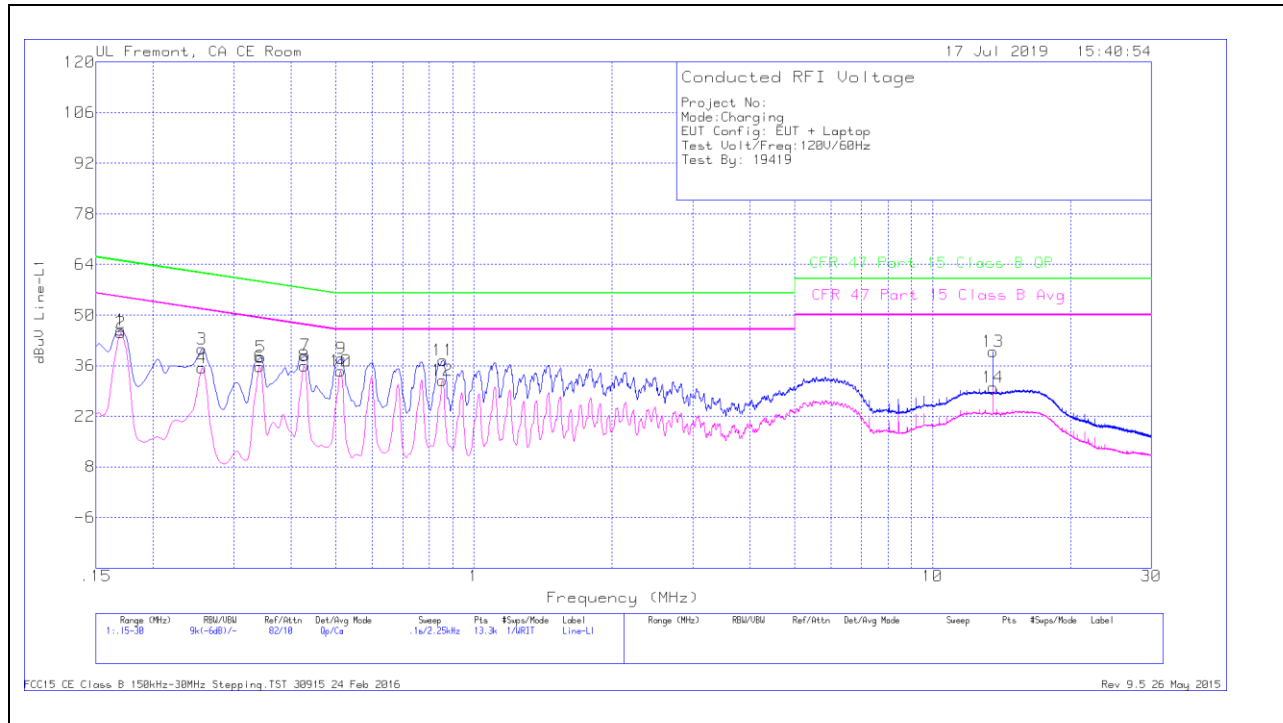
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

8.5.1. AC Power Line Host

LINE 1 RESULTS



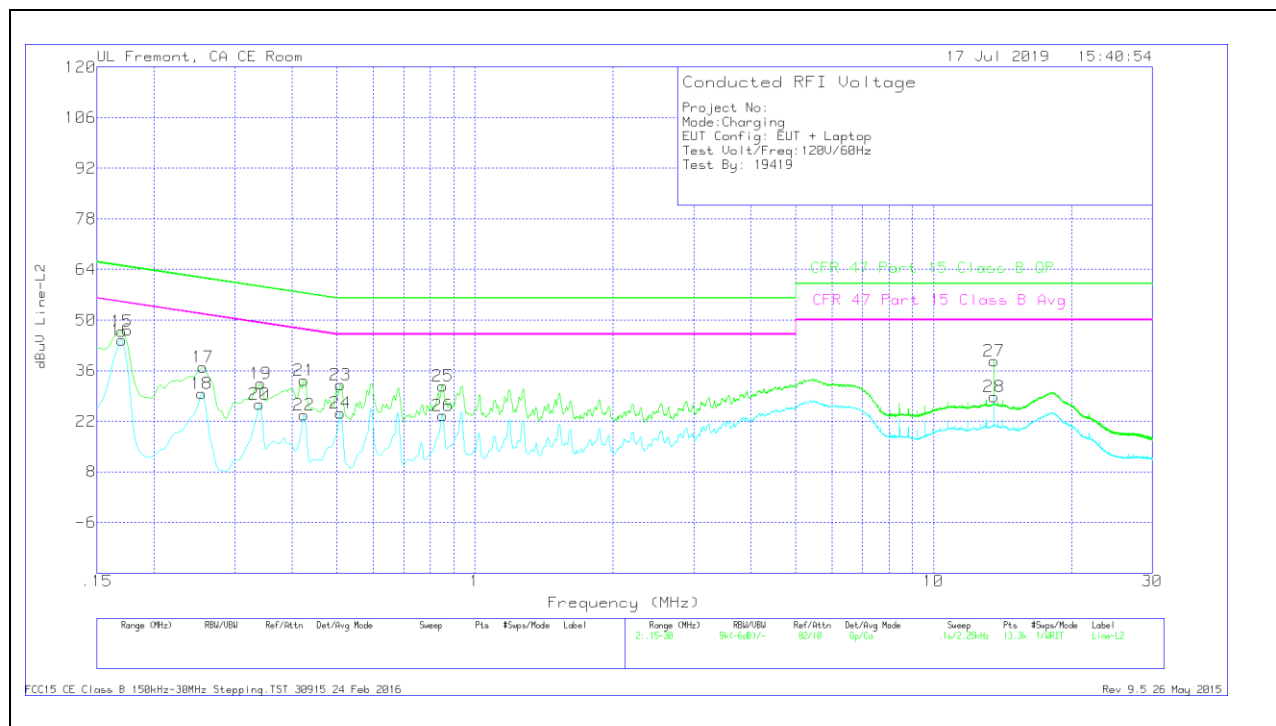
Range 1: Line-L1 .15 - 30MHz

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	.17025	35.67	Qp	0	0	10.1	45.77	64.95	-19.18	-	-
2	.17025	34.98	Ca	0	0	10.1	45.08	-	-	54.95	-9.87
3	.25575	30.45	Qp	0	0	10.1	40.55	61.57	-21.02	-	-
4	.25575	25.33	Ca	0	0	10.1	35.43	-	-	51.57	-16.14
5	.3435	28.29	Qp	0	0	10.1	38.39	59.12	-20.73	-	-
6	.34125	25.7	Ca	0	0	10.1	35.8	-	-	49.17	-13.37
7	.429	28.75	Qp	0	0	10.1	38.85	57.27	-18.42	-	-
8	.42675	25.83	Ca	0	0	10.1	35.93	-	-	47.32	-11.39
9	.5145	27.96	Qp	0	0	10.1	38.06	56	-17.94	-	-
10	.51225	24.43	Ca	0	0	10.1	34.53	-	-	46	-11.47
11	.8565	27.43	Qp	0	0	10.1	37.53	56	-18.47	-	-
12	.85425	21.81	Ca	0	0	10.1	31.91	-	-	46	-14.09
13	13.56	29.46	Qp	.1	.2	10.2	39.96	60	-20.04	-	-
14	13.56	19.46	Ca	.1	.2	10.2	29.96	-	-	50	-20.04

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz

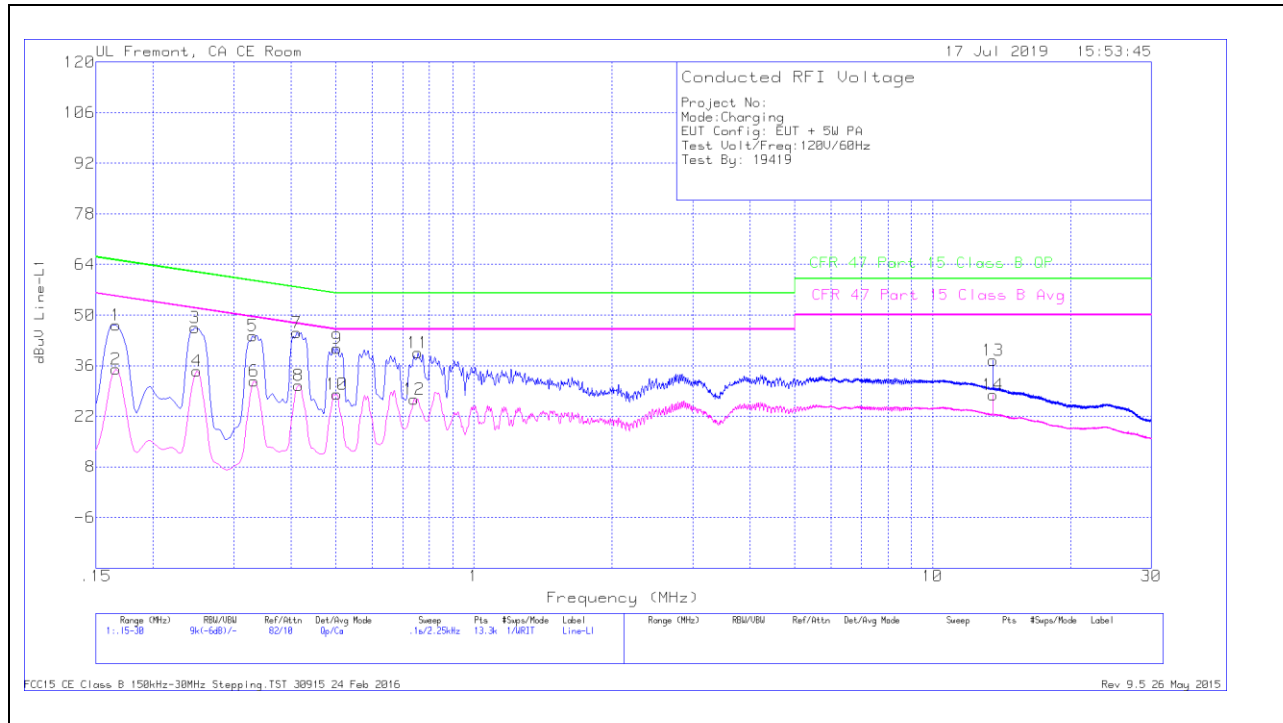
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables C2&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
15	.17025	36.71	Qp	0	0	10.1	46.81	64.95	-18.14	-	-
16	.17025	34.34	Ca	0	0	10.1	44.44	-	-	54.95	-10.51
17	.25575	26.91	Qp	0	0	10.1	37.01	61.57	-24.56	-	-
18	.2535	19.59	Ca	0	0	10.1	29.69	-	-	51.64	-21.95
19	.34125	22.4	Qp	0	0	10.1	32.5	59.17	-26.67	-	-
20	.339	16.62	Ca	0	0	10.1	26.72	-	-	49.23	-22.51
21	.4245	23.27	Qp	0	0	10.1	33.37	57.36	-23.99	-	-
22	.4245	13.62	Ca	0	0	10.1	23.72	-	-	47.36	-23.64
23	.51	22.01	Qp	0	0	10.1	32.11	56	-23.89	-	-
24	.51	14.14	Ca	0	0	10.1	24.24	-	-	46	-21.76
25	.852	21.71	Qp	0	0	10.1	31.81	56	-24.19	-	-
26	.852	13.45	Ca	0	0	10.1	23.55	-	-	46	-22.45
27	13.56	28.22	Qp	.1	.2	10.2	38.72	60	-21.28	-	-
28	13.56	18.37	Ca	.1	.2	10.2	28.87	-	-	50	-21.13

Qp - Quasi-Peak detector

Ca - CISPR average detection

8.5.2. AC Power Line Norm

LINE 1 RESULTS



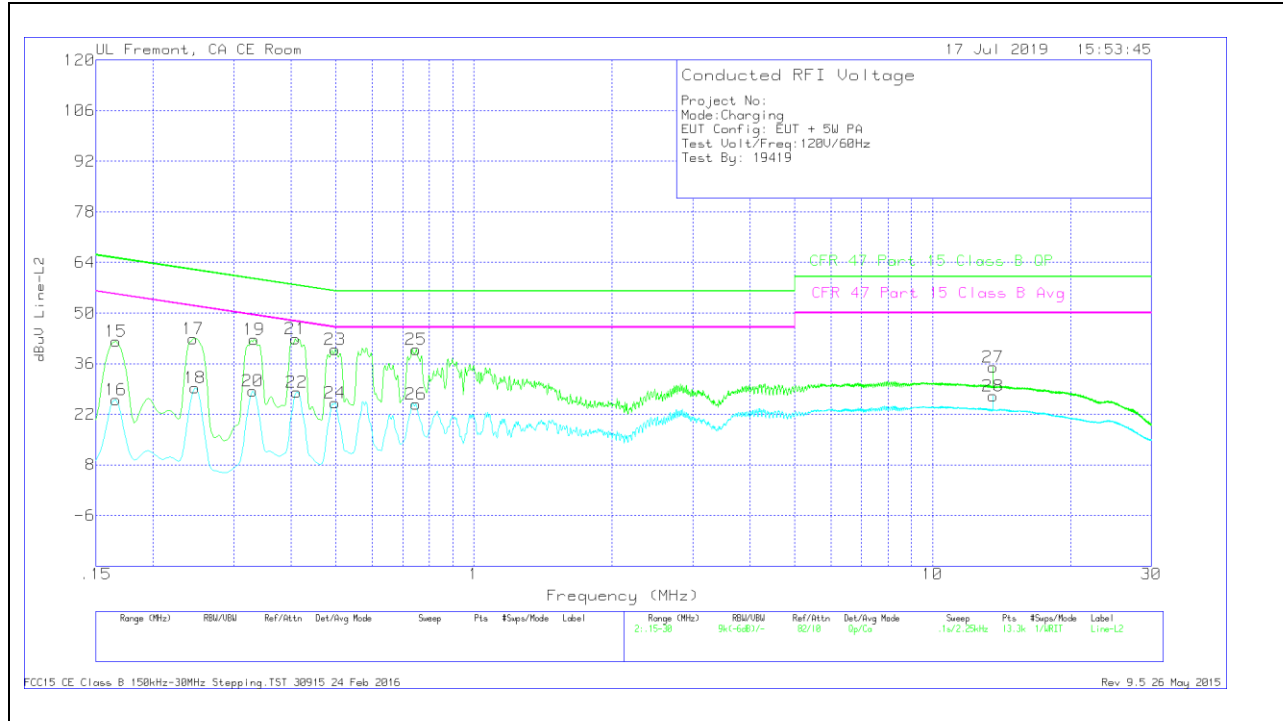
Range 1: Line-L1 .15 - 30MHz

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	.16575	36.99	Qp	.1	0	10.1	47.19	65.17	-17.98	-	-
2	.16575	24.77	Ca	.1	0	10.1	34.97	-	-	55.17	-20.2
3	.24675	36.37	Qp	0	0	10.1	46.47	61.87	-15.4	-	-
4	.249	24.37	Ca	0	0	10.1	34.47	-	-	51.79	-17.32
5	.33	34.13	Qp	0	0	10.1	44.23	59.45	-15.22	-	-
6	.33225	21.71	Ca	0	0	10.1	31.81	-	-	49.39	-17.58
7	.411	35.08	Qp	0	0	10.1	45.18	57.63	-12.45	-	-
8	.4155	20.5	Ca	0	0	10.1	30.6	-	-	47.54	-16.94
9	.50325	30.75	Qp	0	0	10.1	40.85	56	-15.15	-	-
10	.50325	17.99	Ca	0	0	10.1	28.09	-	-	46	-17.91
11	.75525	29.46	Qp	0	0	10.1	39.56	56	-16.44	-	-
12	.74175	16.63	Ca	0	0	10.1	26.73	-	-	46	-19.27
13	13.56	26.98	Qp	.1	.2	10.2	37.48	60	-22.52	-	-
14	13.56	17.38	Ca	.1	.2	10.2	27.88	-	-	50	-22.12

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	.16575	32	Qp	.1	0	10.1	42.2	65.17	-22.97	-	-
16	.16575	15.82	Ca	.1	0	10.1	26.02	-	-	55.17	-29.15
17	.2445	32.8	Qp	0	0	10.1	42.9	61.94	-19.04	-	-
18	.24675	19.26	Ca	0	0	10.1	29.36	-	-	51.87	-22.51
19	.33225	32.52	Qp	0	0	10.1	42.62	59.39	-16.77	-	-
20	.33	18.31	Ca	0	0	10.1	28.41	-	-	49.45	-21.04
21	.40875	32.81	Qp	0	0	10.1	42.91	57.67	-14.76	-	-
22	.411	17.98	Ca	0	0	10.1	28.08	-	-	47.63	-19.55
23	.49875	29.85	Qp	0	0	10.1	39.95	56.02	-16.07	-	-
24	.49875	15.06	Ca	0	0	10.1	25.16	-	-	46.02	-20.86
25	.7485	29.84	Qp	0	0	10.1	39.94	56	-16.06	-	-
26	.7485	14.71	Ca	0	0	10.1	24.81	-	-	46	-21.19
27	13.56	24.48	Qp	.1	.2	10.2	34.98	60	-25.02	-	-
28	13.56	16.54	Ca	.1	.2	10.2	27.04	-	-	50	-22.96

Qp - Quasi-Peak detector
Ca - CISPR average detection

END OF REPORT

9. SETUP PHOTOS

Please refer to 12267350-EP1V1 for setup photos