

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	EIRP (dBm)	FCC15.519(d) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.563	-89.45	RMS	28	-30.1	-15.5	11.8	.3	-94.95	-85.3	-9.65	129	151	H
2	1.583	-89.04	RMS	28	-30.1	-15.5	11.8	.3	-94.54	-85.3	-9.24	195	151	H
3	1.601	-88.55	RMS	28.1	-30.2	-15.5	11.8	.3	-94.05	-85.3	-8.75	151	151	H
4	1.573	-89.3	RMS	28.1	-30.1	-15.5	11.8	.3	-94.7	-85.3	-9.4	187	151	V
5	1.593	-88.77	RMS	28.1	-30.2	-15.5	11.8	.3	-94.27	-85.3	-8.97	55	151	V
6	1.602	-88.5	RMS	28	-30.2	-15.5	11.8	.3	-94.1	-85.3	-8.8	297	151	V

RMS - RMS detection

UL Fremont - Chamber F

2019 Jun 5 18:04:49

Radiated Emissions

Config: DUT + AC Adapter
Mode: Int 2 Ch 5 Cfg 3 Payload 125
Tested by: 52275

FCC15.519(d) EIRP RMS (dBm)

Frequency (GHz)

Range (GHz)	RBW (kHz)	Ref (dBm)	Det/Key Type	Sweep	Phi	Filter/Rate	Position	Range (GHz)	RBW (kHz)	Ref (dBm)	Det/Key Type	Sweep	Phi	Filter/Rate	Position
1.559 - 1.61	120	-140	100	100	0	1.000	100	1.559 - 1.61	120	-140	100	100	0	1.000	100

5.519(d) 0.5e. after 1559-1610 AU Ch 5 LNF 5-23-19 TST 02970 23 May 2019

Rev. 9.5.06.Nov.2018



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CMS LP Filter	ERP (dBm)	FCC15.519(d) ERP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.576	-88.09	RMS	28.1	-30.2	-15.5	11.8	2	-93.69	-85.3	-8.39	107	149	H
2	1.594	-88.36	RMS	28.1	-30.2	-15.5	11.8	2	-93.96	-85.3	-8.66	0	149	H
3	1.572	-88.25	RMS	28.1	-30.1	-15.5	11.8	2	-93.75	-85.3	-8.45	85	149	H
4	1.566	-90.33	RMS	28	-30.1	-15.5	11.8	2	-95.93	-85.3	-10.63	99	149	V
5	1.579	-90.38	RMS	28.1	-30.1	-15.5	11.8	2	-95.88	-85.3	-10.58	342	149	V
6	1.603	-90.17	RMS	28	-30.2	-15.5	11.8	2	-95.87	-85.3	-10.57	33	149	V

UL VERIFICATION SERVICES INC FORM NO: CCSUP4701I
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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	1.568	-88.93	RMS	28	-30.1	-15.5	11.8	.3	-94.43	-85.3	-9.13	195	151	H
2	1.578	-88.91	RMS	28.1	-30.1	-15.5	11.8	.3	-94.31	-85.3	-9.01	283	151	H
3	1.594	-88.58	RMS	28.1	-30.2	-15.5	11.8	.3	-94.08	-85.3	-8.78	195	151	H
4	1.57	-89.22	RMS	28	-30.1	-15.5	11.8	.3	-94.72	-85.3	-9.42	297	151	V
5	1.582	-88.06	RMS	28	-30.1	-15.5	11.8	.3	-93.56	-85.3	-8.26	342	151	V
6	1.606	-87.88	RMS	28	-30.2	-15.5	11.8	.3	-93.48	-85.3	-8.18	342	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	1.567	-87.5	RMS	28	-30.1	-15.5	11.8	.2	-93.1	-85.3	-7.8	283	149	H
2	1.587	-87.69	RMS	28.1	-30.1	-15.5	11.8	.2	-93.19	-85.3	-7.89	327	149	H
3	1.601	-88.07	RMS	28.1	-30.2	-15.5	11.8	.2	-93.67	-85.3	-8.37	0	149	H
4	1.58	-90.09	RMS	28	-30.1	-15.5	11.8	.2	-95.69	-85.3	-10.39	360	149	V
5	1.595	-89.8	RMS	28.1	-30.2	-15.5	11.8	.2	-95.4	-85.3	-10.1	188	149	V
6	1.603	-89.73	RMS	28	-30.2	-15.5	11.8	.2	-95.43	-85.3	-10.13	342	149	V

RMS - RMS detection

ANT. 3, CH9, CONFIG 3

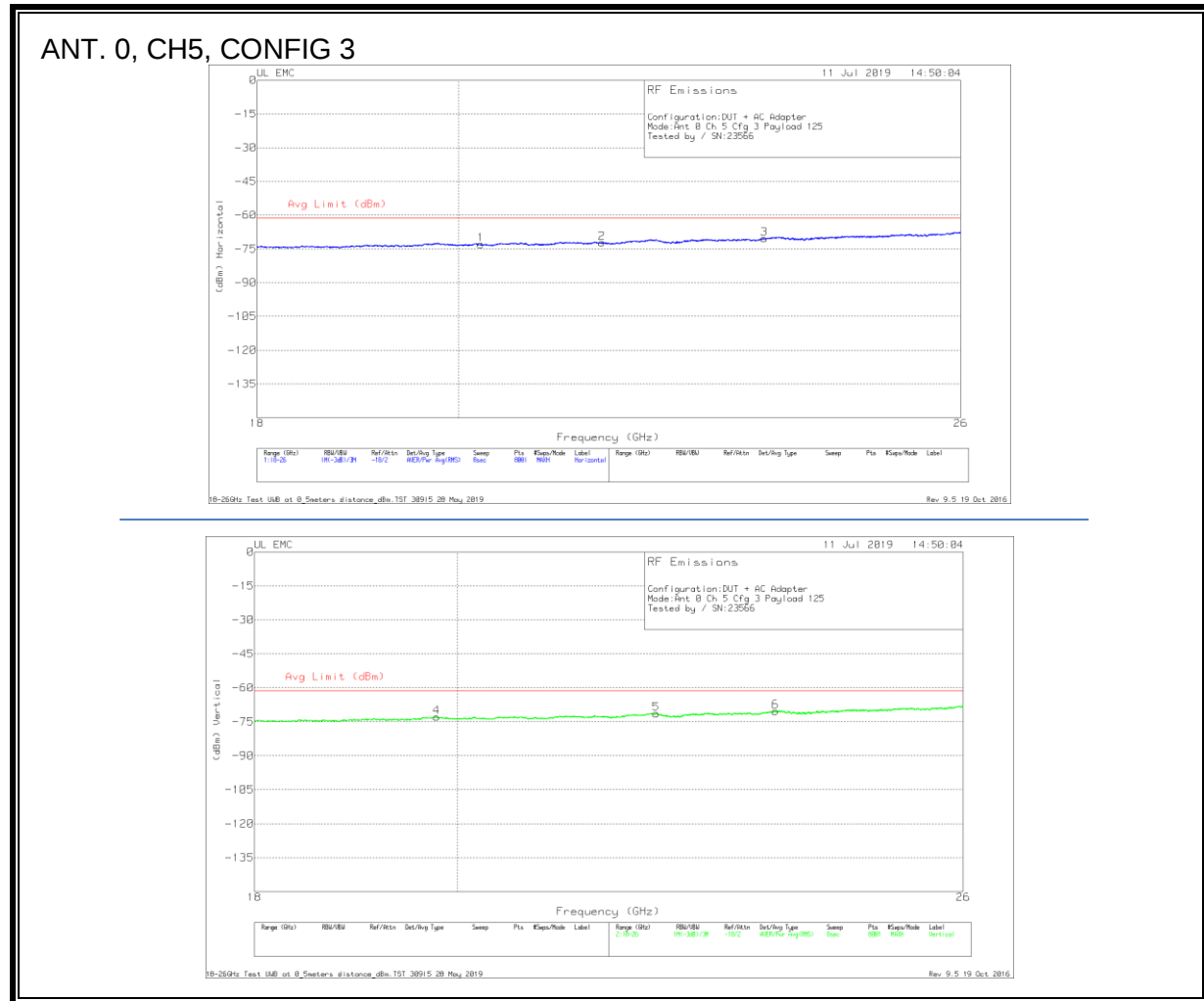


Trace Markers

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	1.58	-88.34	RMS	28	-30.1	-15.5	11.8	.3	-93.84	-85.3	-8.54	150	151	H
2	1.588	-88.38	RMS	28.1	-30.2	-15.5	11.8	.3	-93.88	-85.3	-8.58	195	151	H
3	1.594	-87.92	RMS	28.1	-30.2	-15.5	11.8	.3	-93.42	-85.3	-8.12	150	151	H
4	1.567	-88.73	RMS	28	-30.1	-15.5	11.8	.3	-94.23	-85.3	-8.93	121	151	V
5	1.579	-88.62	RMS	28.1	-30.1	-15.5	11.8	.3	-94.02	-85.3	-8.72	319	151	V
6	1.592	-88.71	RMS	28.1	-30.2	-15.5	11.8	.3	-94.21	-85.3	-8.91	121	151	V

RMS - RMS detection

8.4.7. AVERAGE EMISSIONS, 18 - 26 GHz

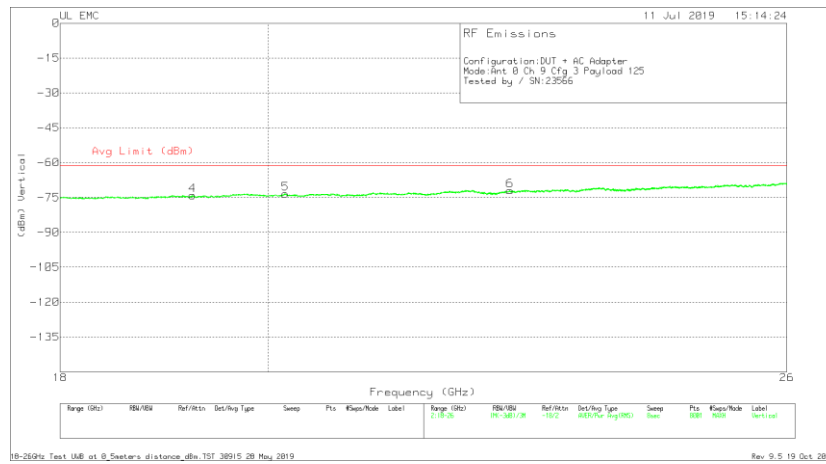
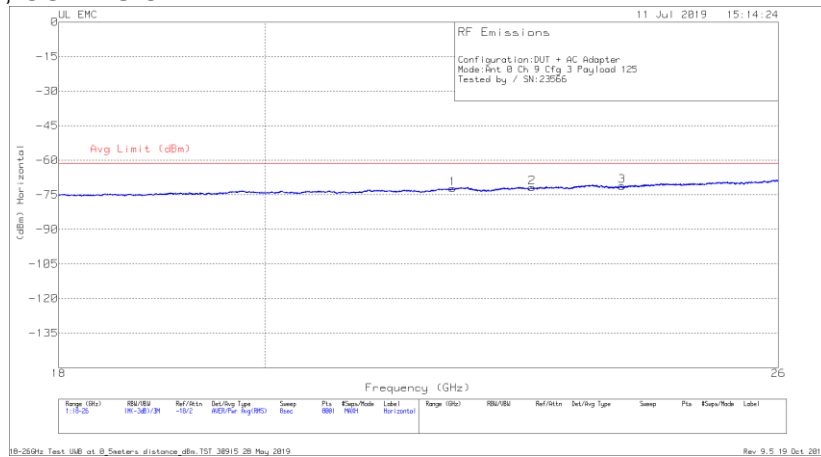


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	T447 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Conversion Factor (dB)	EIRP	Avg Limit (dBm)	Margin (dB)
1	20.233	-80.59	RMS	32.8	-21.3	-15.6	11.8	-72.89	-61.3	-11.59
2	21.556	-80.51	RMS	33.1	-21	-15.6	11.8	-72.21	-61.3	-10.91
3	23.461	-80.63	RMS	34	-20	-15.6	11.8	-70.43	-61.3	-9.13
4	19.784	-80.47	RMS	32.7	-21.3	-15.6	11.8	-72.87	-61.3	-11.57
5	22.171	-80.73	RMS	33.4	-20.2	-15.6	11.8	-71.33	-61.3	-10.03
6	23.586	-80.72	RMS	34.1	-19.9	-15.6	11.8	-70.32	-61.3	-9.02

RMS - RMS detection

ANT. 0, CH9, CONFIG 3

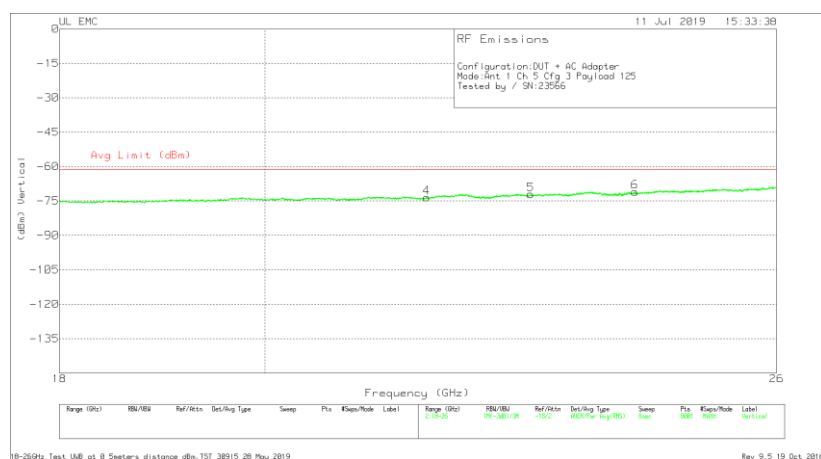
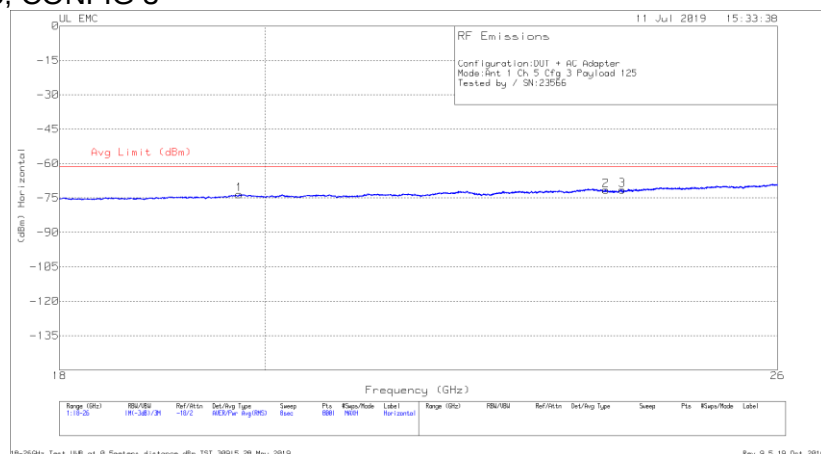


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	T447 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Conversion Factor (dB)	EIRP	Avg Limit (dBm)	Margin (dB)
1	22.014	-81.06	RMS	33.3	-20.6	-15.6	11.8	-72.16	-61.3	-10.86
2	22.924	-81.27	RMS	33.6	-20.3	-15.6	11.8	-71.77	-61.3	-10.47
3	24.003	-82.11	RMS	34.3	-19.5	-15.6	11.8	-71.11	-61.3	-9.81
4	19.247	-81.97	RMS	32.7	-21	-15.6	11.8	-74.07	-61.3	-12.77
5	20.173	-81.37	RMS	32.7	-20.9	-15.6	11.8	-73.37	-61.3	-12.07
6	22.601	-81.57	RMS	33.5	-20.1	-15.6	11.8	-71.97	-61.3	-10.67

RMS - RMS detection

ANT. 1, CH5, CONFIG 3

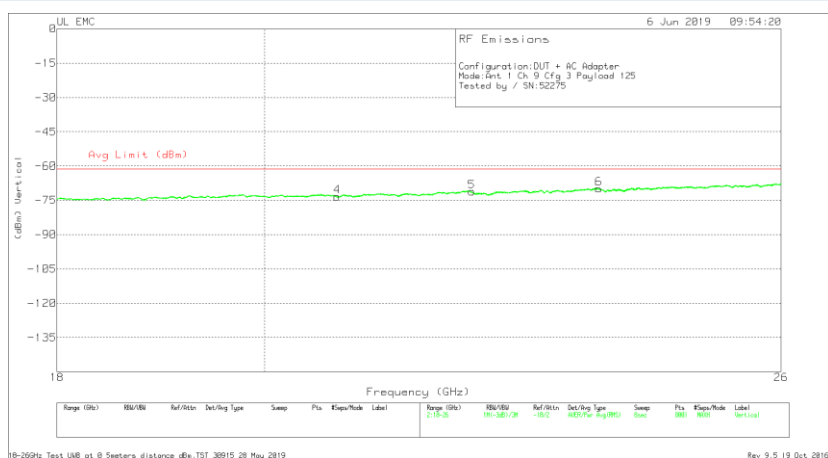
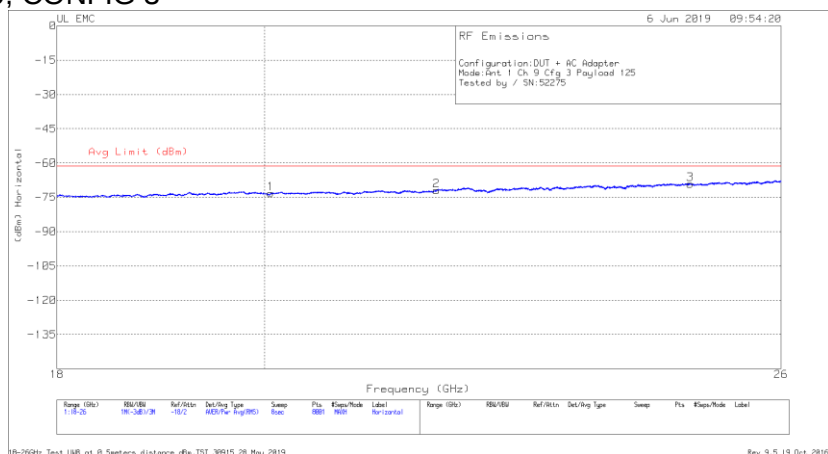


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	T447 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Conversion Factor (dB)	EIRP	Avg Limit (dBm)	Margin (dB)
1	19.735	-80.92	RMS	32.7	-21.4	-15.6	11.8	-73.42	-61.3	-12.12
2	23.812	-82.48	RMS	34.2	-19.4	-15.6	11.8	-71.48	-61.3	-10.18
3	24.012	-82.37	RMS	34.3	-19.6	-15.6	11.8	-71.47	-61.3	-10.17
4	21.729	-81.87	RMS	33.1	-20.9	-15.6	11.8	-73.47	-61.3	-12.17
5	22.92	-81.51	RMS	33.6	-20.3	-15.6	11.8	-72.01	-61.3	-10.71
6	24.179	-82.15	RMS	34.2	-19.2	-15.6	11.8	-70.95	-61.3	-9.65

RMS - RMS detection

ANT. 1, CH9, CONFIG 3

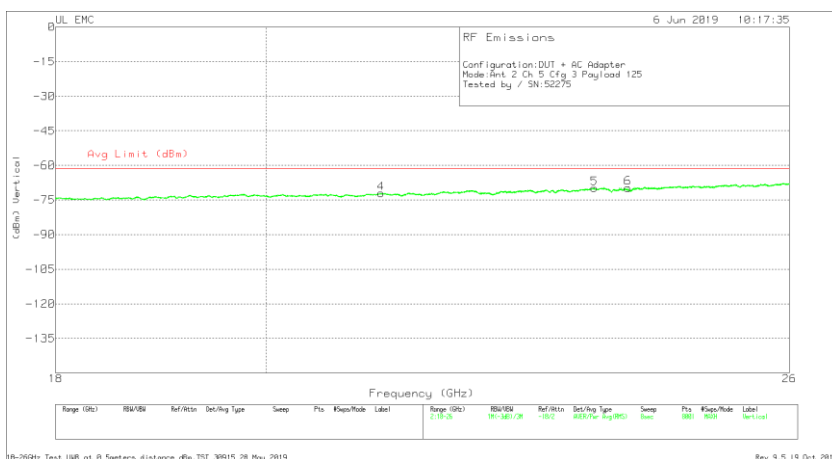
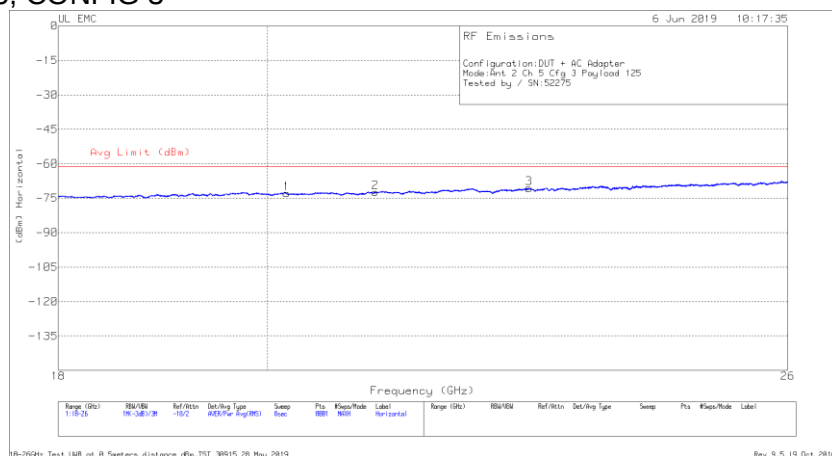


Trace Markers

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)
1	20.062	-80.8	RMS	32.7	-21.3	-15.6	11.8	-73.2	-61.3	-11.9
2	21.824	-80.31	RMS	33.2	-21	-15.6	11.8	-71.91	-61.3	-10.61
3	24.827	-80.33	RMS	34.4	-19.4	-15.6	11.8	-69.13	-61.3	-7.83
4	20.751	-81.06	RMS	33	-21.5	-15.6	11.8	-73.36	-61.3	-12.06
5	22.222	-80.63	RMS	33.5	-20.2	-15.6	11.8	-71.13	-61.3	-9.83
6	23.699	-80.48	RMS	34.1	-19.7	-15.6	11.8	-69.88	-61.3	-8.58

RMS - RMS detection

ANT. 2, CH5, CONFIG 3

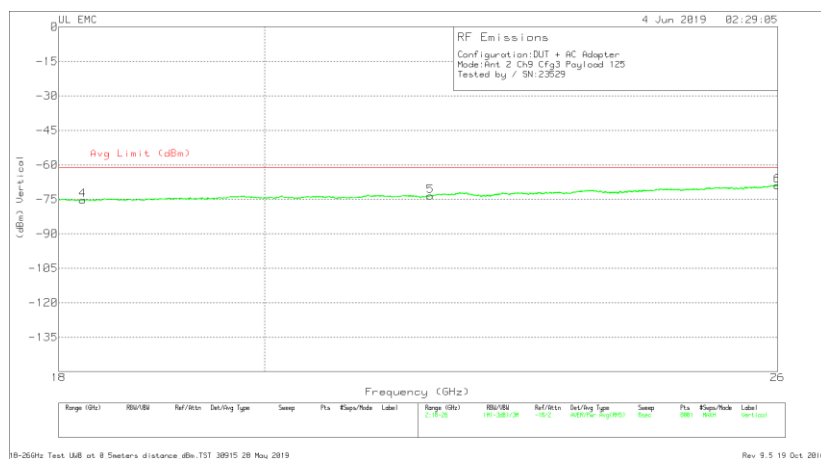
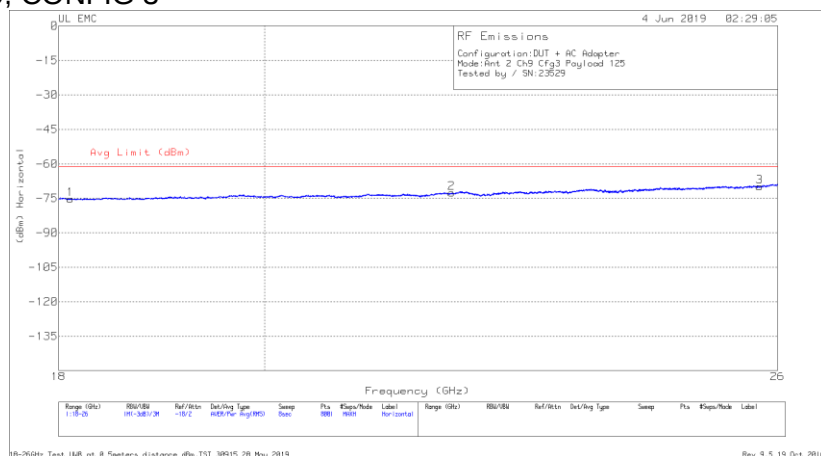


Trace Markers

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)
1	20.197	-80.57	RMS	32.8	-21.3	-15.6	11.8	-72.87	-61.3	-11.57
2	21.119	-80.3	RMS	33	-21.2	-15.6	11.8	-72.3	-61.3	-11
3	22.821	-79.82	RMS	33.5	-20.5	-15.6	11.8	-70.62	-61.3	-9.32
4	21.188	-80.14	RMS	33	-21.1	-15.6	11.8	-72.04	-61.3	-10.74
5	23.578	-80.18	RMS	34.1	-19.9	-15.6	11.8	-69.78	-61.3	-8.48
6	23.978	-80.71	RMS	34.3	-19.5	-15.6	11.8	-69.71	-61.3	-8.41

RMS - RMS detection

ANT. 2, CH9, CONFIG 3

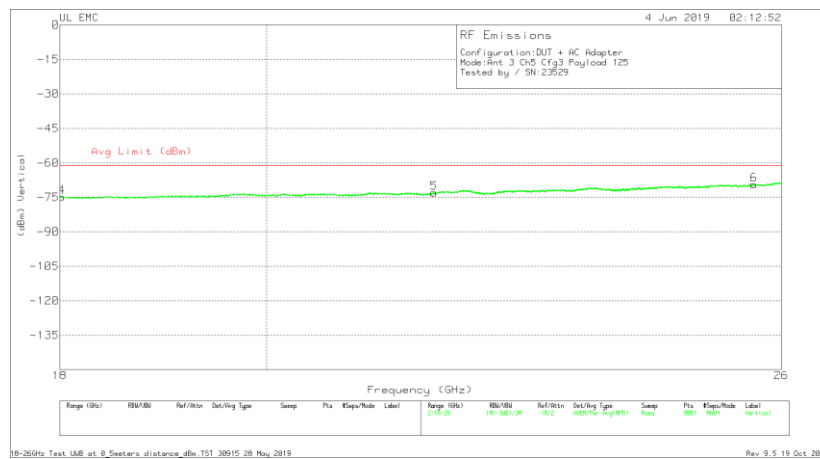
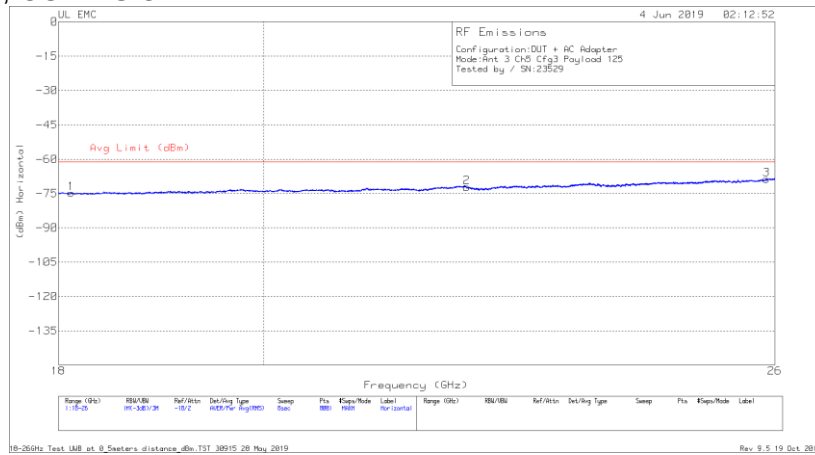


Trace Markers

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)
1	18.11	-81.44	RMS	32.4	-22.4	-15.6	11.8	-75.24	-61.3	-13.94
2	22.009	-81.45	RMS	33.3	-20.6	-15.6	11.8	-72.55	-61.3	-11.25
3	25.765	-80.38	RMS	34.4	-20.1	-15.6	11.8	-69.88	-61.3	-8.58
4	18.225	-81.36	RMS	32.3	-22.4	-15.6	11.8	-75.26	-61.3	-13.96
5	21.771	-81.68	RMS	33.1	-21.1	-15.6	11.8	-73.48	-61.3	-12.18
6	25.998	-79.23	RMS	34.6	-20.5	-15.6	11.8	-68.93	-61.3	-7.63

RMS - RMS detection

ANT. 3, CH5, CONFIG 3

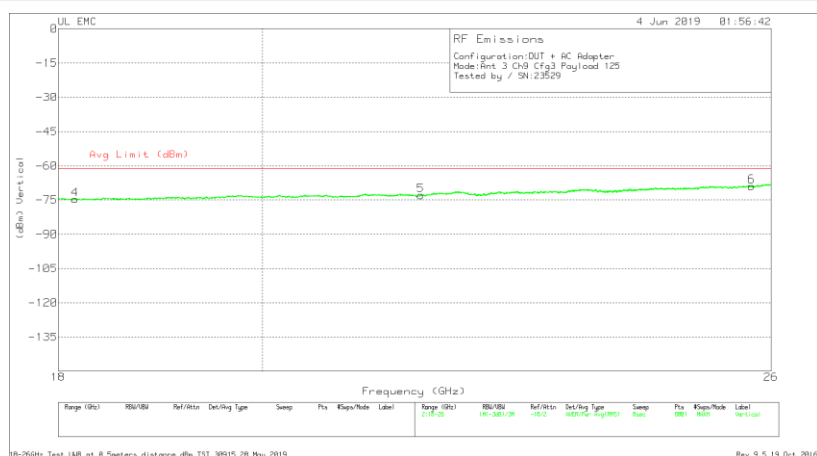
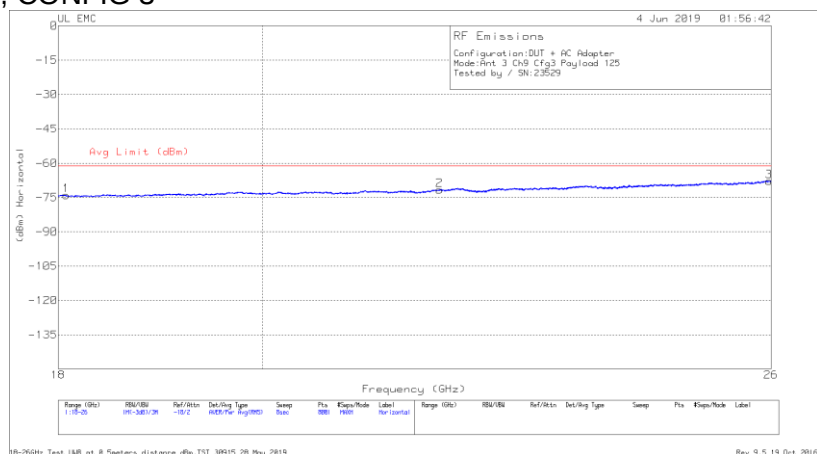


Trace Markers

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)
1	18.119	-80.98	RMS	32.4	-22.4	-15.6	11.8	-74.78	-61.3	-13.48
2	22.198	-81.78	RMS	33.5	-20.1	-15.6	11.8	-72.18	-61.3	-10.88
3	25.892	-79	RMS	34.5	-20.4	-15.6	11.8	-68.7	-61.3	-7.4
4	18.019	-81.15	RMS	32.5	-22.4	-15.6	11.8	-74.85	-61.3	-13.55
5	21.782	-81.49	RMS	33.2	-20.9	-15.6	11.8	-72.99	-61.3	-11.69
6	25.638	-80.06	RMS	34.4	-20	-15.6	11.8	-69.46	-61.3	-8.16

RMS - RMS detection

ANT. 3, CH9, CONFIG 3

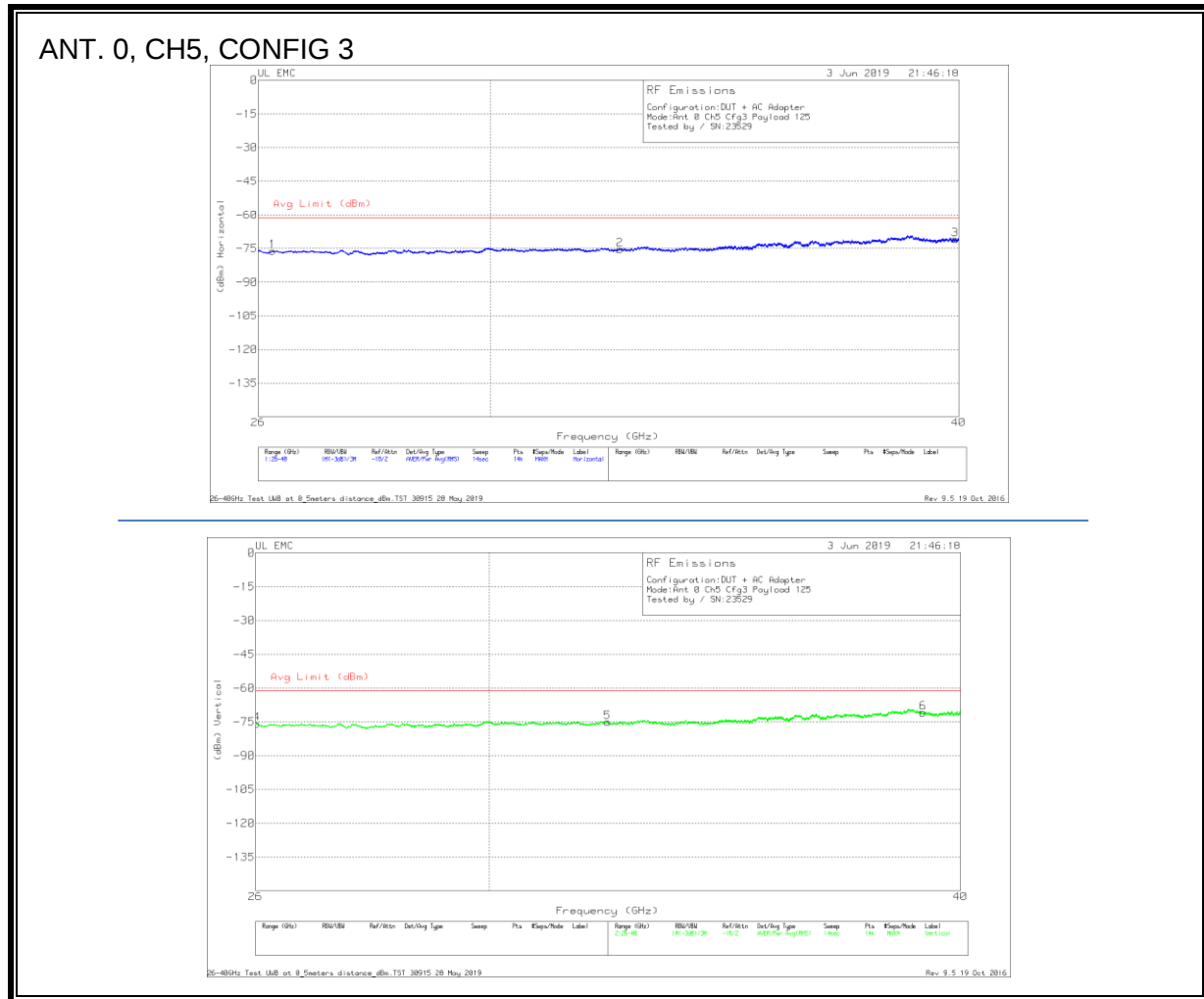


Trace Markers

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)
1	18.076	-80.12	RMS	32.4	-22.5	-15.6	11.8	-74.02	-61.3	-12.72
2	21.914	-80.15	RMS	33.2	-20.9	-15.6	11.8	-71.65	-61.3	-10.35
3	25.975	-78.19	RMS	34.6	-20.5	-15.6	11.8	-67.89	-61.3	-6.59
4	18.159	-80.73	RMS	32.3	-22.4	-15.6	11.8	-74.63	-61.3	-13.33
5	21.705	-81.17	RMS	33.1	-21	-15.6	11.8	-72.87	-61.3	-11.57
6	25.74	-79.4	RMS	34.4	-20.1	-15.6	11.8	-68.9	-61.3	-7.6

RMS - RMS detection

8.4.8. AVERAGE EMISSIONS, 26 – 40 GHz

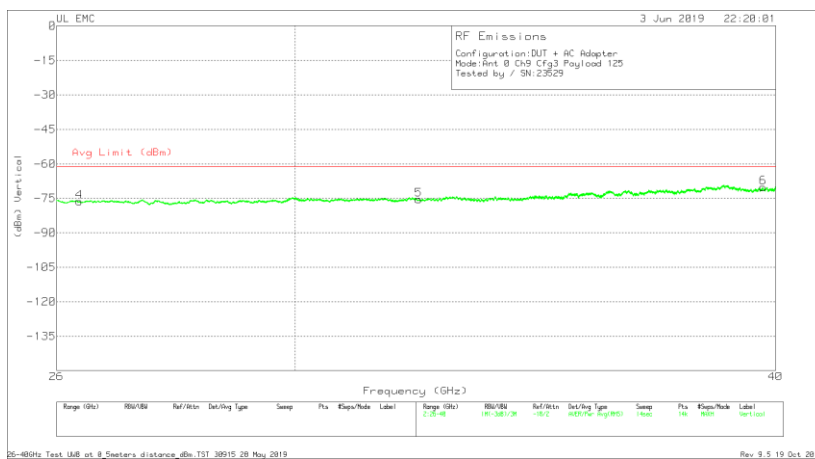
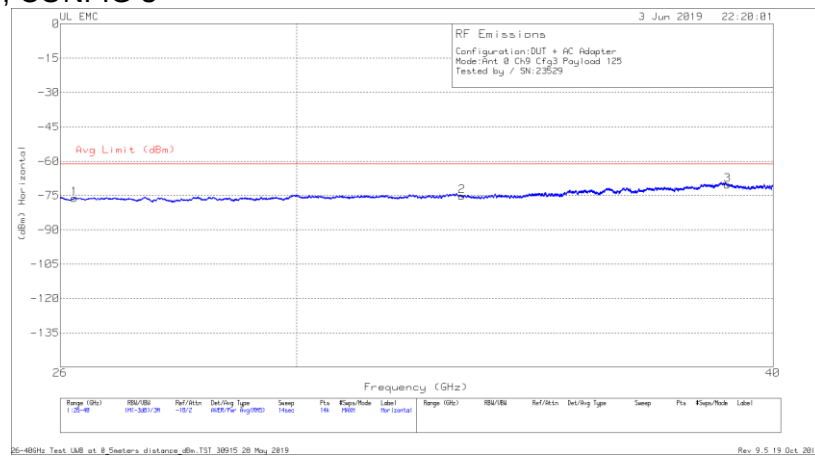


Trace Markers

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)
1	26.233	-75.3	RMS	35.4	-32.4	-15.6	11.8	-76.1	-61.3	-14.8
2	32.477	-79.13	RMS	36.3	-28.7	-15.6	11.8	-75.33	-61.3	-14.03
3	39.909	-79.01	RMS	38.2	-26.2	-15.6	11.8	-70.81	-61.3	-9.51
4	26.023	-74.94	RMS	35.4	-32.5	-15.6	11.8	-75.84	-61.3	-14.54
5	32.244	-78.86	RMS	36.7	-29.1	-15.6	11.8	-75.06	-61.3	-13.76
6	39.096	-78.66	RMS	38.4	-26.8	-15.6	11.8	-70.86	-61.3	-9.56

RMS - RMS detection

ANT. 0, CH9, CONFIG 3

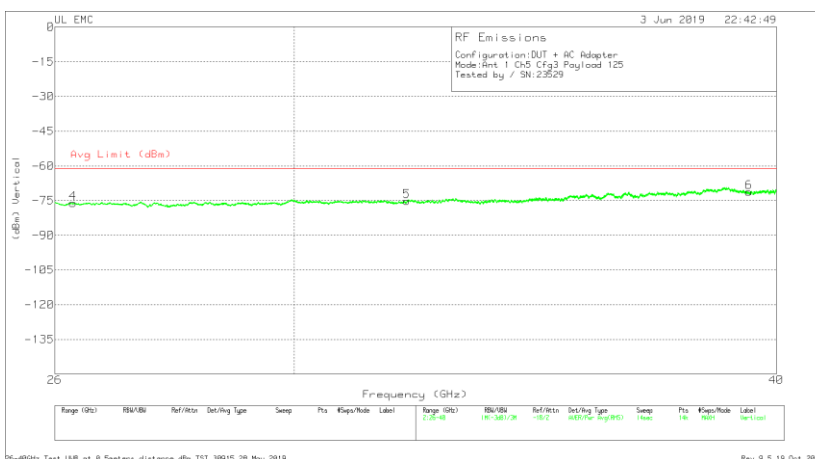
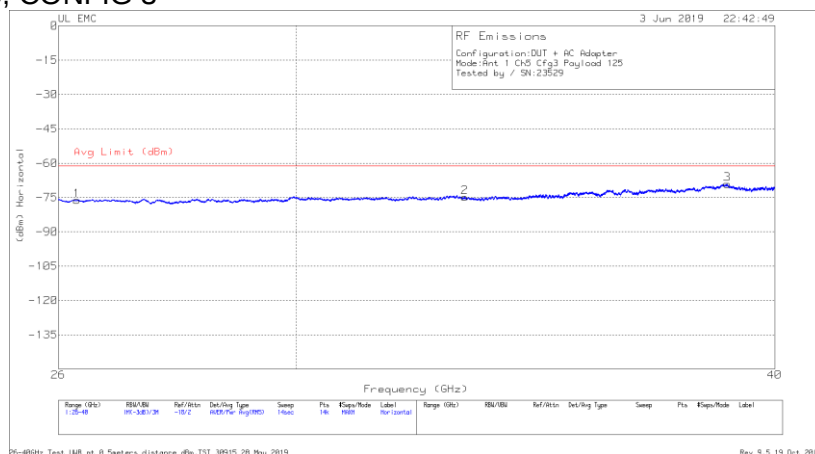


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	T446 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Conversion Factor (dB)	EIRP (dBm)	Avg Limit (dBm)	Margin (dB)
1	26.224	-75.33	RMS	35.4	-32.4	-15.6	11.8	-76.13	-61.3	-14.83
2	33.144	-79.32	RMS	37	-29.1	-15.6	11.8	-75.22	-61.3	-13.92
3	38.915	-77.77	RMS	38.2	-26.9	-15.6	11.8	-70.27	-61.3	-8.97
4	26.358	-75.73	RMS	35.4	-32.2	-15.6	11.8	-76.33	-61.3	-15.03
5	32.304	-79.22	RMS	36.6	-29.1	-15.6	11.8	-75.52	-61.3	-14.22
6	39.703	-78.72	RMS	38.1	-25.8	-15.6	11.8	-70.22	-61.3	-8.92

RMS - RMS detection

ANT. 1, CH5, CONFIG 3

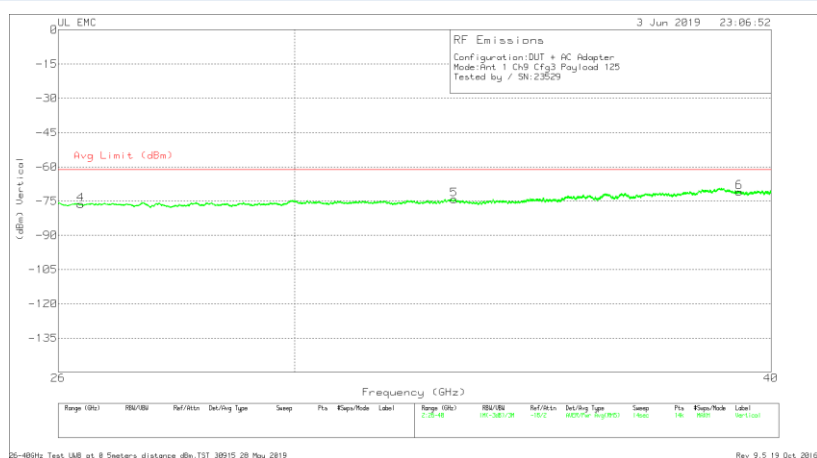
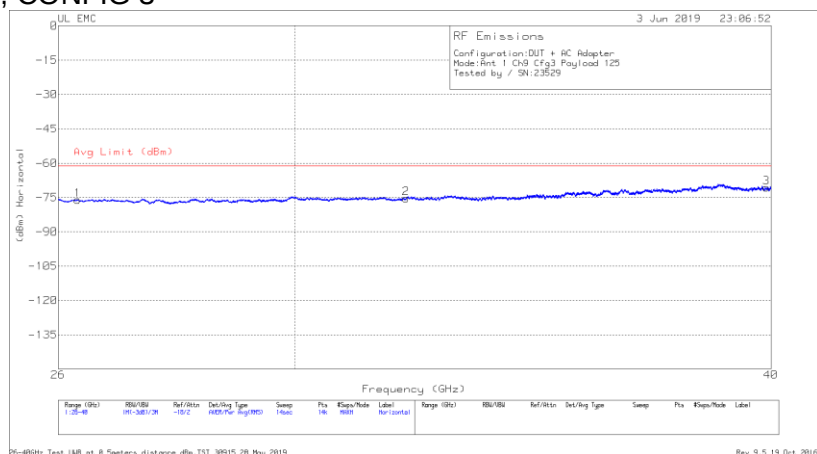


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	T446 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Conversion Factor (dB)	EIRP (dBm)	Avg Limit (dBm)	Margin (dB)
1	26.291	-75.58	RMS	35.4	-32.2	-15.6	11.8	-76.18	-61.3	-14.88
2	33.199	-79.2	RMS	37	-28.8	-15.6	11.8	-74.8	-61.3	-13.5
3	38.876	-77.21	RMS	38.4	-26.5	-15.6	11.8	-69.11	-61.3	-7.81
4	26.287	-75.38	RMS	35.4	-32.3	-15.6	11.8	-76.08	-61.3	-14.78
5	32.081	-78.88	RMS	36.6	-29.1	-15.6	11.8	-75.18	-61.3	-13.88
6	39.349	-79.34	RMS	38.4	-26.5	-15.6	11.8	-71.24	-61.3	-9.94

RMS - RMS detection

ANT. 1, CH9, CONFIG 3

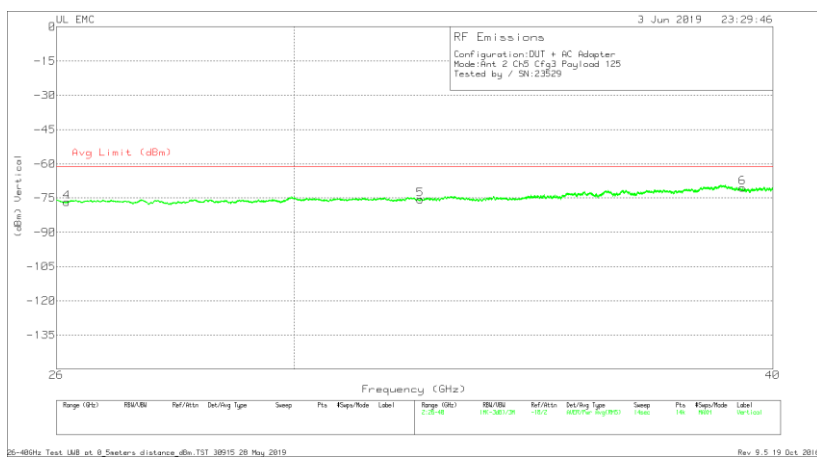
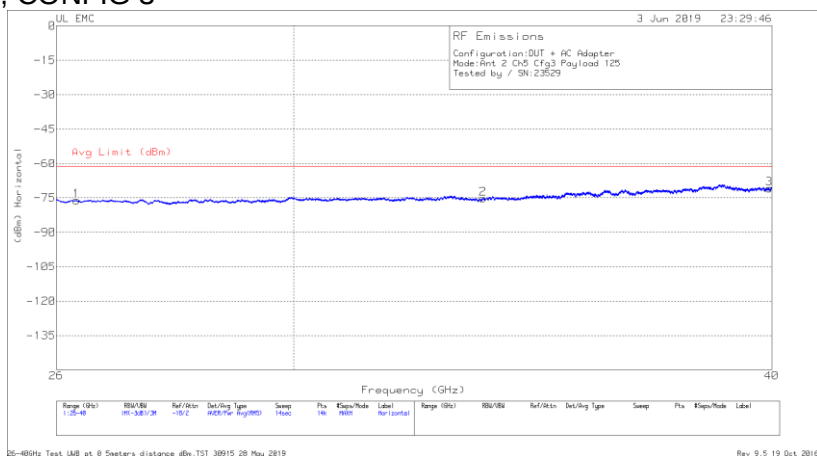


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	T446 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Conversion Factor (dB)	EIRP (dBm)	Avg Limit (dBm)	Margin (dB)
1	26.31	-75.51	RMS	35.4	-32.1	-15.6	11.8	-76.01	-61.3	-14.71
2	32.084	-79.06	RMS	36.6	-29.1	-15.6	11.8	-75.36	-61.3	-14.06
3	39.891	-78.95	RMS	38.2	-26.1	-15.6	11.8	-70.65	-61.3	-9.35
4	26.36	-75.78	RMS	35.4	-32.2	-15.6	11.8	-76.38	-61.3	-15.08
5	33.03	-78.92	RMS	37.2	-28.7	-15.6	11.8	-74.22	-61.3	-12.92
6	39.241	-78.73	RMS	38.1	-26.5	-15.6	11.8	-70.93	-61.3	-9.63

RMS - RMS detection

ANT. 2, CH5, CONFIG 3

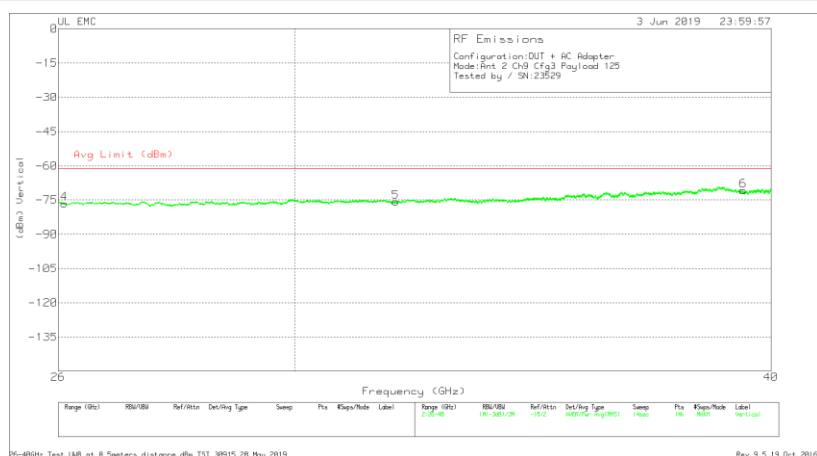
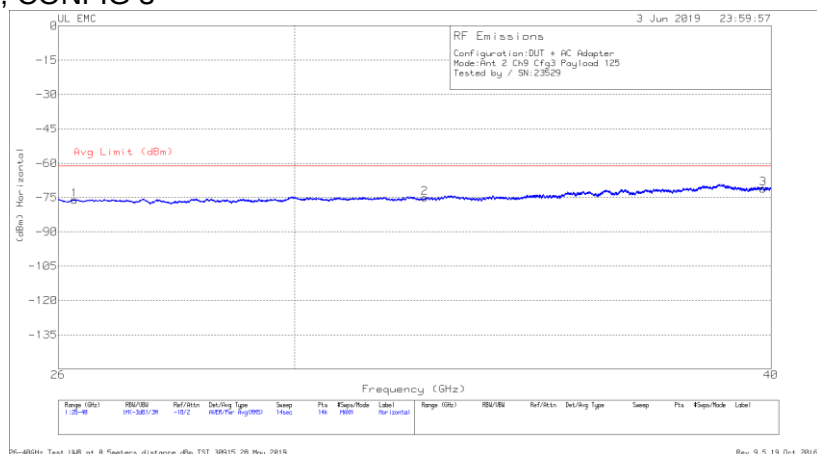


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	T446 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Conversion Factor (dB)	EIRP (dBm)	Avg Limit (dBm)	Margin (dB)
1	26.319	-75.54	RMS	35.4	-32.1	-15.6	11.8	-76.04	-61.3	-14.74
2	33.617	-79.71	RMS	36.9	-28.6	-15.6	11.8	-75.21	-61.3	-13.91
3	39.941	-79.26	RMS	38.5	-26.3	-15.6	11.8	-70.86	-61.3	-9.56
4	26.163	-75.94	RMS	35.4	-32.4	-15.6	11.8	-76.74	-61.3	-15.44
5	32.361	-79.16	RMS	36.5	-29.1	-15.6	11.8	-75.56	-61.3	-14.26
6	39.279	-78.29	RMS	38.4	-26.7	-15.6	11.8	-70.39	-61.3	-9.09

RMS - RMS detection

ANT. 2, CH9, CONFIG 3

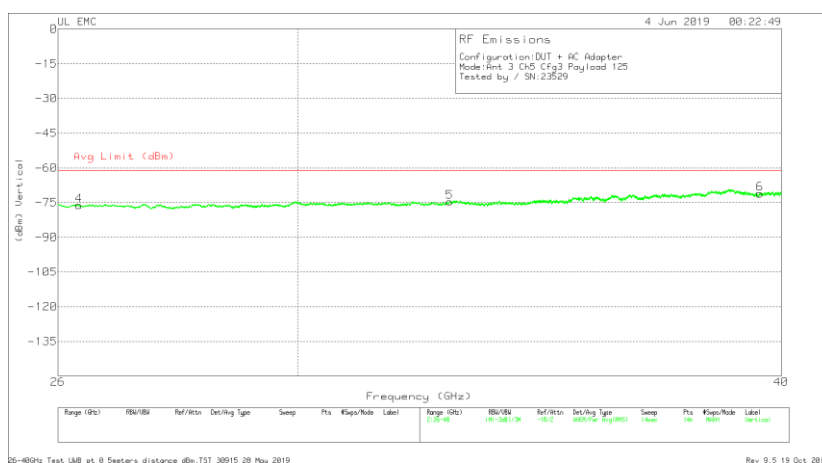
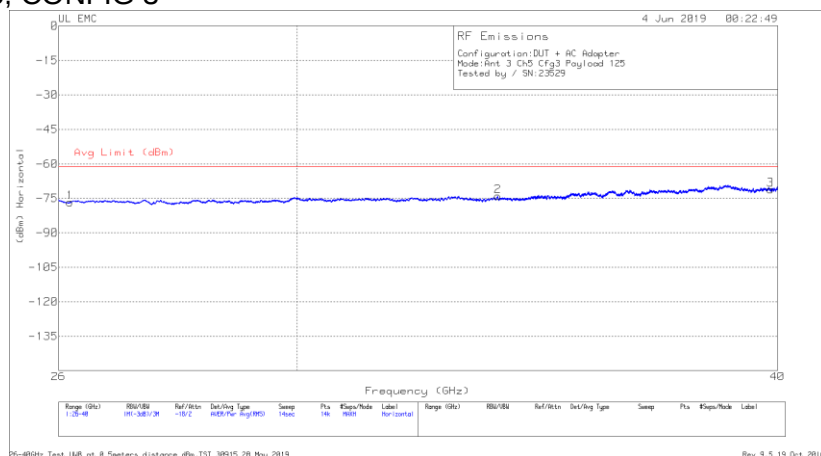


Trace Markers

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)
1	26.262	-75.12	RMS	35.4	-32.5	-15.6	11.8	-76.02	-61.3	-14.72
2	32.45	-78.97	RMS	36.8	-29.1	-15.6	11.8	-75.07	-61.3	-13.77
3	39.813	-79.25	RMS	38.3	-26.3	-15.6	11.8	-71.05	-61.3	-9.75
4	26.097	-75.62	RMS	35.4	-32.5	-15.6	11.8	-76.52	-61.3	-15.22
5	31.887	-79.69	RMS	36.7	-28.9	-15.6	11.8	-75.69	-61.3	-14.39
6	39.334	-78.96	RMS	38.3	-26.3	-15.6	11.8	-70.76	-61.3	-9.46

RMS - RMS detection

ANT. 3, CH5, CONFIG 3

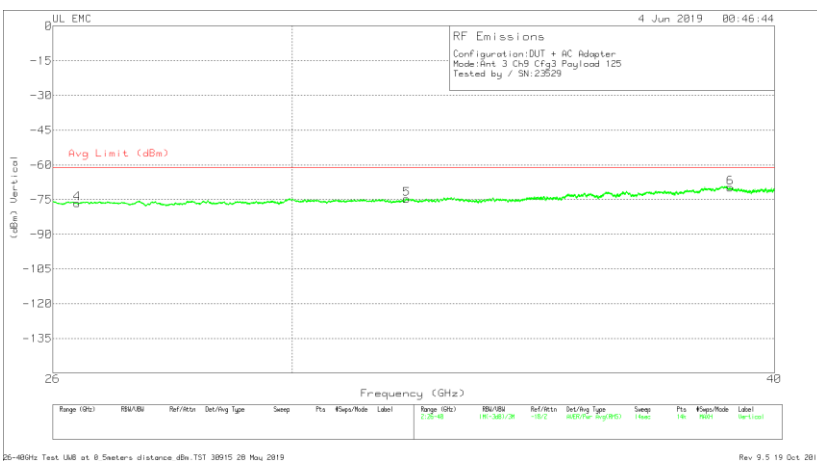
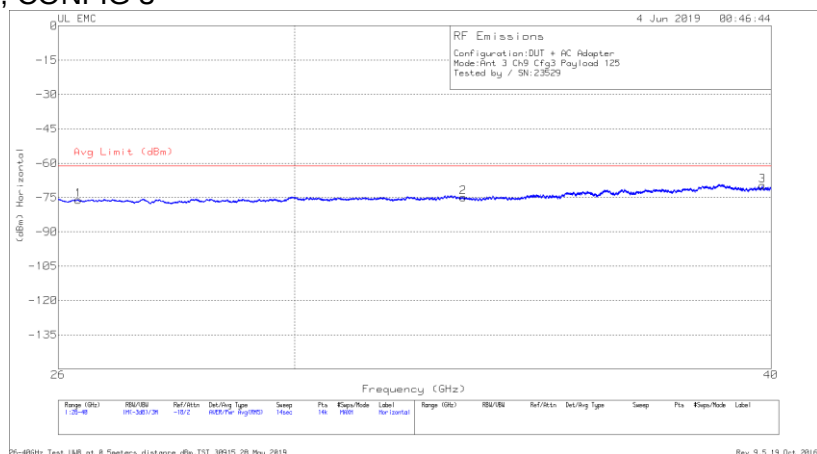


Trace Markers

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)
1	26.181	-75.78	RMS	35.4	-32.5	-15.6	11.8	-76.68	-61.3	-15.38
2	33.829	-79.19	RMS	37.2	-28.2	-15.6	11.8	-73.99	-61.3	-12.69
3	39.832	-79.06	RMS	38.1	-26.4	-15.6	11.8	-71.16	-61.3	-9.86
4	26.329	-75.6	RMS	35.4	-32.2	-15.6	11.8	-76.2	-61.3	-14.9
5	32.832	-79.02	RMS	37	-28.8	-15.6	11.8	-74.62	-61.3	-13.32
6	39.495	-79.12	RMS	38.2	-26.4	-15.6	11.8	-71.12	-61.3	-9.82

RMS - RMS detection

ANT. 3, CH9, CONFIG 3



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	T446 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Conversion Factor (dB)	EIRP (dBm)	Avg Limit (dBm)	Margin (dB)
1	26.321	-75.43	RMS	35.4	-32.2	-15.6	11.8	-76.03	-61.3	-14.73
2	33.213	-79.3	RMS	37.1	-28.9	-15.6	11.8	-74.9	-61.3	-13.6
3	39.795	-78.55	RMS	38.5	-25.9	-15.6	11.8	-69.75	-61.3	-8.45
4	26.382	-75.95	RMS	35.4	-32.2	-15.6	11.8	-76.55	-61.3	-15.25
5	32.117	-78.65	RMS	36.6	-28.8	-15.6	11.8	-74.65	-61.3	-13.35
6	38.961	-77.88	RMS	38.4	-26.5	-15.6	11.8	-69.78	-61.3	-8.48

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.

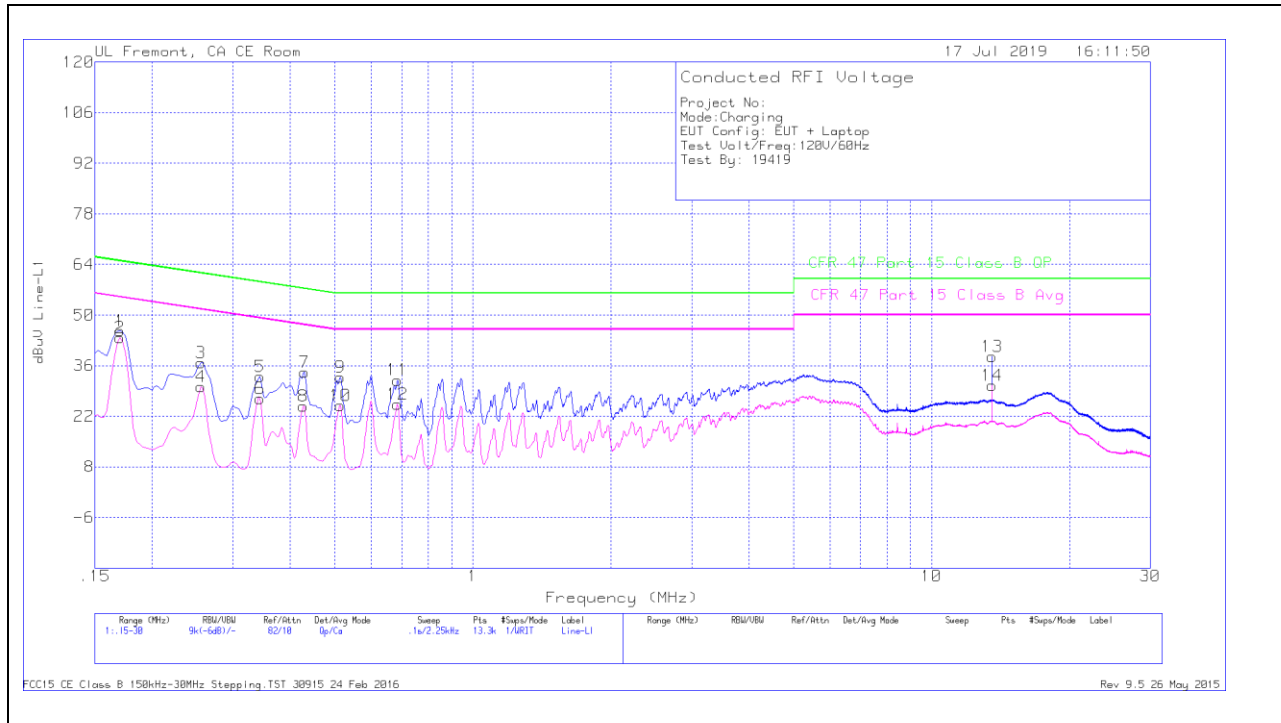
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

8.5.1. AC Power Line Host

LINE 1 RESULTS



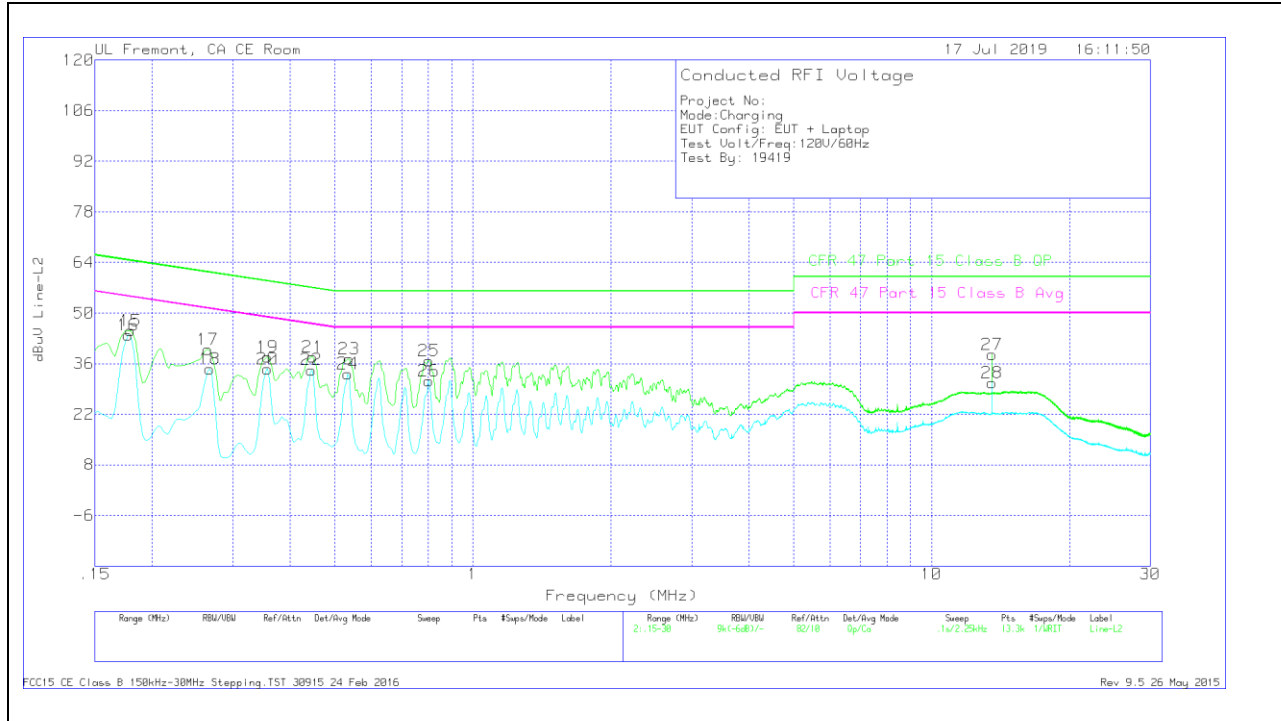
Range 1: Line-L1 .15 - 30MHz

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	35.53	Qp	0	0	10.1	45.63	64.95	-19.32	-	-
2	.17025	33.7	Ca	0	0	10.1	43.8	-	-	54.95	-11.15
3	.25575	26.75	Qp	0	0	10.1	36.85	61.57	-24.72	-	-
4	.25575	20.02	Ca	0	0	10.1	30.12	-	-	51.57	-21.45
5	.3435	22.8	Qp	0	0	10.1	32.9	59.12	-26.22	-	-
6	.3435	16.86	Ca	0	0	10.1	26.96	-	-	49.12	-22.16
7	.429	24.06	Qp	0	0	10.1	34.16	57.27	-23.11	-	-
8	.42675	14.66	Ca	0	0	10.1	24.76	-	-	47.32	-22.56
9	.5145	22.63	Qp	0	0	10.1	32.73	56	-23.27	-	-
10	.5145	14.87	Ca	0	0	10.1	24.97	-	-	46	-21.03
11	.6855	21.91	Qp	0	0	10.1	32.01	56	-23.99	-	-
12	.6855	15.19	Ca	0	0	10.1	25.29	-	-	46	-20.71
13	13.56	28.02	Qp	.1	.2	10.2	38.52	60	-21.48	-	-
14	13.56	20.09	Ca	.1	.2	10.2	30.59	-	-	50	-19.41

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz

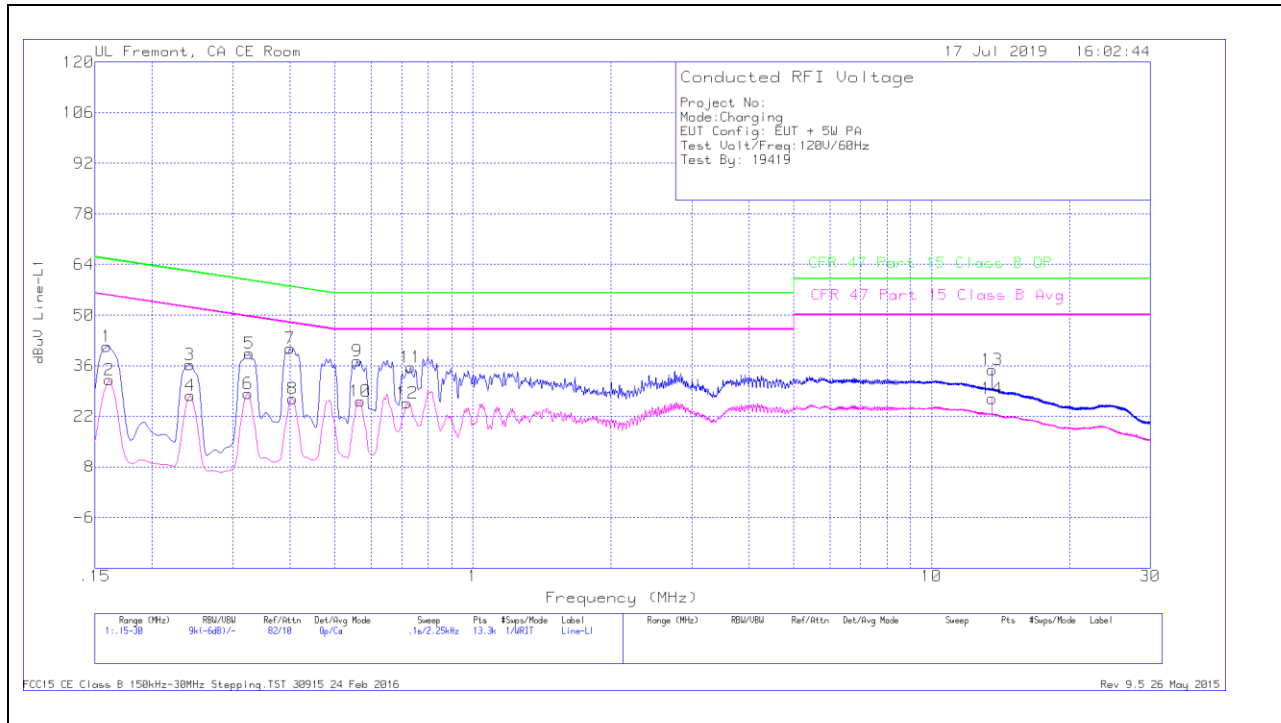
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables C2&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
15	.17925	35.11	Qp	0	0	10.1	45.21	64.52	-19.31	-	-
16	.177	33.88	Ca	0	0	10.1	43.98	-	-	54.63	-10.65
17	.26475	29.84	Qp	0	0	10.1	39.94	61.28	-21.34	-	-
18	.267	24.5	Ca	0	0	10.1	34.6	-	-	51.21	-16.61
19	.357	27.67	Qp	0	0	10.1	37.77	58.8	-21.03	-	-
20	.357	24.46	Ca	0	0	10.1	34.56	-	-	48.8	-14.24
21	.447	27.76	Qp	0	0	10.1	37.86	56.93	-19.07	-	-
22	.44475	24.17	Ca	0	0	10.1	34.27	-	-	46.97	-12.7
23	.537	27.22	Qp	0	0	10.1	37.32	56	-18.68	-	-
24	.53475	23.12	Ca	0	0	10.1	33.22	-	-	46	-12.78
25	.8025	26.74	Qp	0	0	10.1	36.84	56	-19.16	-	-
26	.8025	21.05	Ca	0	0	10.1	31.15	-	-	46	-14.85
27	13.56	28.08	Qp	.1	.2	10.2	38.58	60	-21.42	-	-
28	13.56	20.2	Ca	.1	.2	10.2	30.7	-	-	50	-19.3

Qp - Quasi-Peak detector

Ca - CISPR average detection

8.5.2. AC Power Line Norm

LINE 1 RESULTS



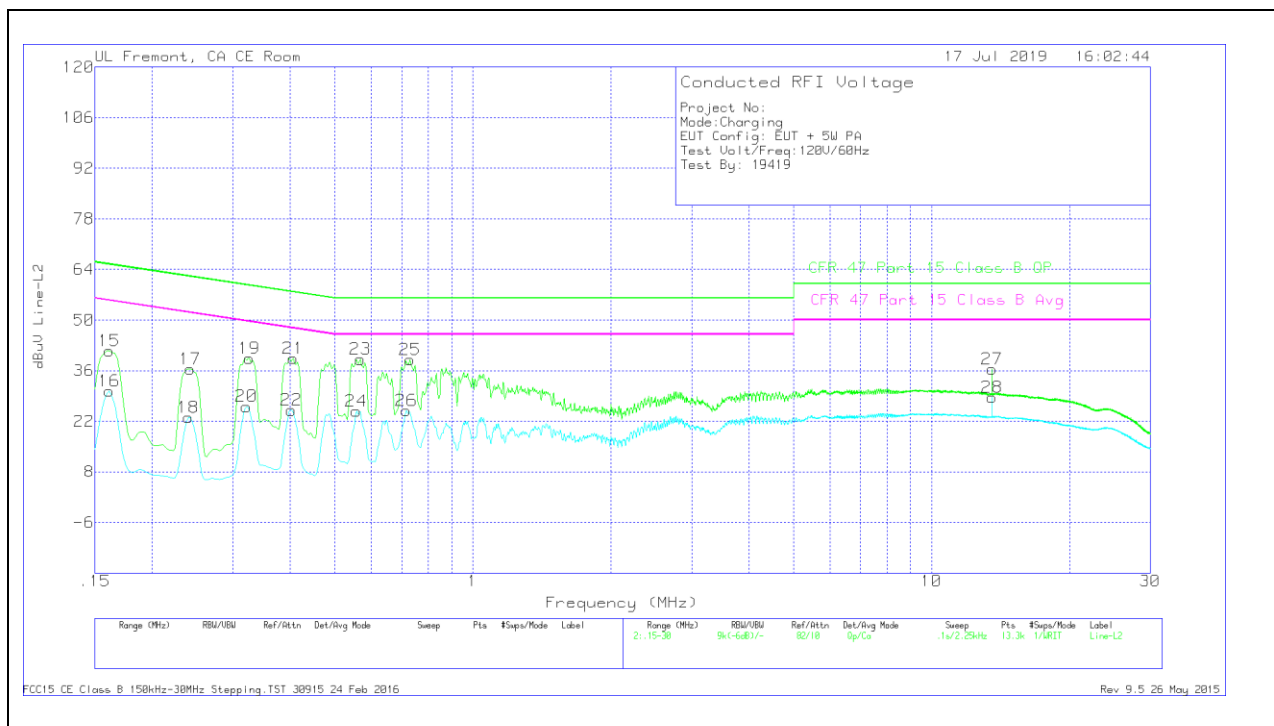
Range 1: Line-L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
1	.159	31.18	Qp	.1	0	10.1	41.38	65.52	-24.14	-	-
2	.16125	21.84	Ca	.1	0	10.1	32.04	-	-	55.4	-23.36
3	.24113	26.17	Qp	0	0	10.1	36.27	62.06	-25.79	-	-
4	.24225	17.61	Ca	0	0	10.1	27.71	-	-	52.02	-24.31
5	.3255	29.26	Qp	0	0	10.1	39.36	59.57	-20.21	-	-
6	.32325	18.23	Ca	0	0	10.1	28.33	-	-	49.62	-21.29
7	.39975	30.65	Qp	0	0	10.1	40.75	57.86	-17.11	-	-
8	.40425	16.81	Ca	0	0	10.1	26.91	-	-	47.77	-20.86
9	.5595	27.25	Qp	0	0	10.1	37.35	56	-18.65	-	-
10	.5685	16.14	Ca	0	0	10.1	26.24	-	-	46	-19.76
11	.73275	25.41	Qp	0	0	10.1	35.51	56	-20.49	-	-
12	.71925	15.54	Ca	0	0	10.1	25.64	-	-	46	-20.36
13	13.56	24.44	Qp	.1	.2	10.2	34.94	60	-25.06	-	-
14	13.56	16.43	Ca	.1	.2	10.2	26.93	-	-	50	-23.07

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	.16125	31.34	Qp	.1	0	10.1	41.54	65.4	-23.86	-	-
16	.16125	20.16	Ca	.1	0	10.1	30.36	-	-	55.4	-25.04
17	.24225	26.33	Qp	0	0	10.1	36.43	62.02	-25.59	-	-
18	.24	13.01	Ca	0	0	10.1	23.11	-	-	52.1	-28.99
19	.3255	29.33	Qp	0	0	10.1	39.43	59.57	-20.14	-	-
20	.321	16	Ca	0	0	10.1	26.1	-	-	49.68	-23.58
21	.4065	29.3	Qp	0	0	10.1	39.4	57.72	-18.32	-	-
22	.402	14.96	Ca	0	0	10.1	25.06	-	-	47.81	-22.75
23	.5685	29.04	Qp	0	0	10.1	39.14	56	-16.86	-	-
24	.55725	14.62	Ca	0	0	10.1	24.72	-	-	46	-21.28
25	.7305	28.93	Qp	0	0	10.1	39.03	56	-16.97	-	-
26	.717	14.83	Ca	0	0	10.1	24.93	-	-	46	-21.07
27	13.56	25.99	Qp	.1	.2	10.2	36.49	60	-23.51	-	-
28	13.56	18.07	Ca	.1	.2	10.2	28.57	-	-	50	-21.43

Qp - Quasi-Peak detector

Ca - CISPR average detection

END OF REPORT

9. SETUP PHOTOS

Please refer to 12267350-EP1V1 for setup photos