

8.6. AVERAGE EMISSIONS ABOVE 960 MHz

LIMITS

FCC

15.519 (c)

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

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

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

RSS-220

Section 5.3.1 (d) Radiated emissions above 960 MHz from a device shall not exceed the following average limits when measured using a resolution bandwidth of 1 MHz.

Hand-held (Outdoor) Communication, Measurement, Location Sensing, and Tracking Devices	
Frequency	E.i.r.p. in a Resolution Bandwidth of 1 MHz
960-1 610 MHz	-75.3 dBm
1.61-4.75 GHz	-70.0 dBm
4.75-10.6 GHz	-41.3 dBm
Above 10.6 GHz	-61.3 dBm

Section 5.3.1 (e) In addition to the limits specified in paragraph (d) of this section, radiated emissions shall not exceed the following average limits when measured using a resolution bandwidth greater than or equal to 1 kHz. The measurements shall demonstrate compliance with the stated limits at whatever resolution bandwidth is used.

Frequency	E.i.r.p. in a Resolution Bandwidth of no less than 1 kHz
1 164-1 240 MHz	-85.3 dBm
1 559-1 610 MHz	-85.3 dBm

TEST PROCEDURE

ANSI C63.10 Clause 10.2 and 10.3.

RSS-220 Annex

PROCEDURE FOR 0.96 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 = 120 kHz & VBW = 360 kHz were used at pre-scan.

A low pass filter with a cut off frequency of 6 GHz is used to suppress the fundamental and perform measurement for 1.164 – 1.240 GHz.

PROCEDURE FOR 1.559 TO 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 = 120 kHz & VBW = 360 kHz were used at pre-scan.

A low pass filter with a cut off frequency of 6 GHz is used to suppress the fundamental and perform measurement for 1.559 – 1.610 GHz.

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 = $20 \cdot \log(0.5\text{m}/3\text{m}) = -15.56 \text{ dB}$

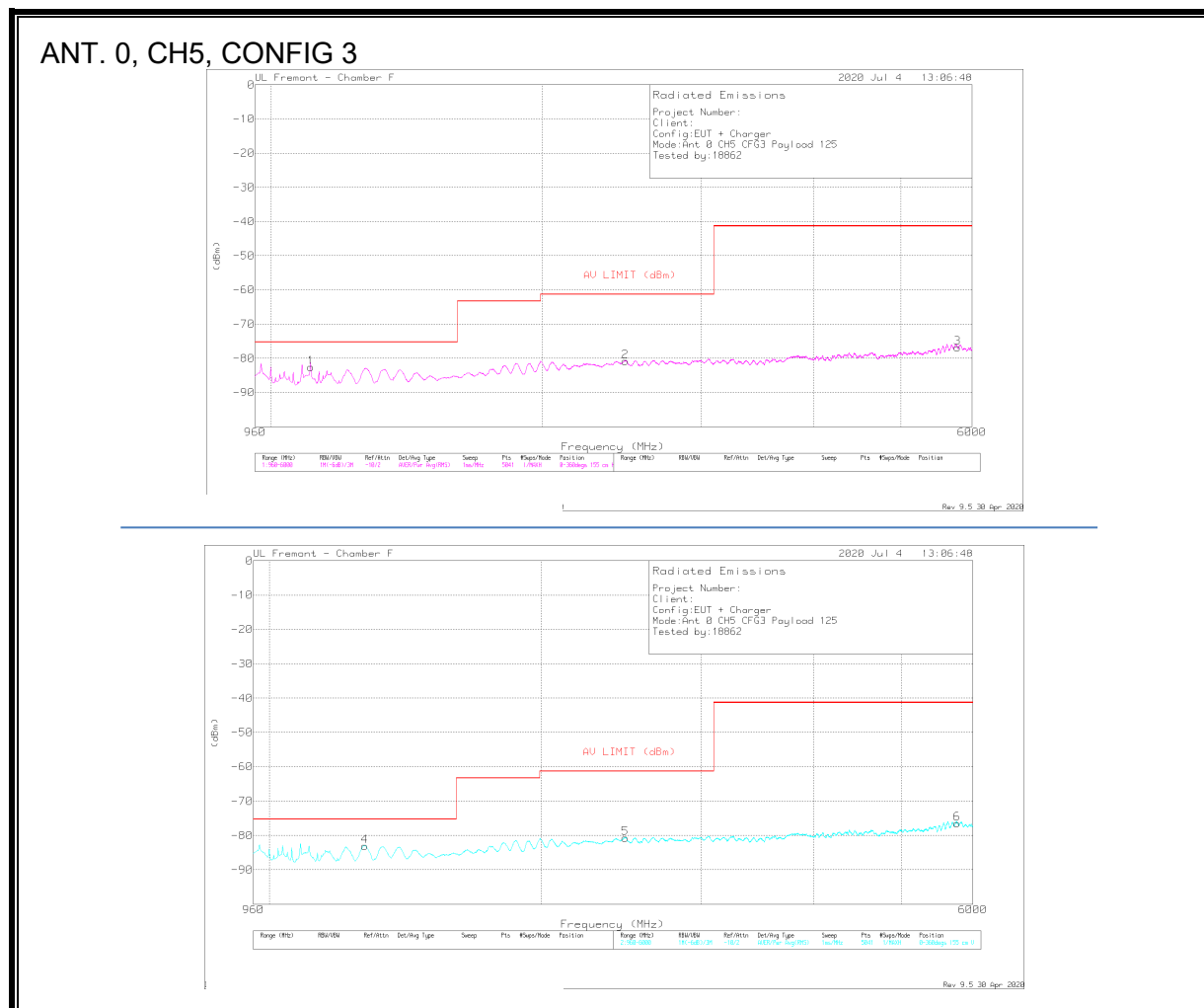
RESULTS

Average Emissions Summary

Ant	CH	Config	Payload	Power Setting	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
0	9	3	125	Max	PASS	PASS	PASS	PASS	PASS
1	5	3	125	Max	PASS	PASS	PASS	PASS	PASS
1	9	3	125	Max	PASS	PASS	PASS	PASS	PASS
2	5	3	125	Max	PASS	PASS	PASS	PASS	PASS
2	9	3	125	Max	PASS	PASS	PASS	PASS	PASS

8.6.1. AVERAGE EMISSIONS, 0.96 – 6 GHz

8.6.1.1. FCC15.519 (C)



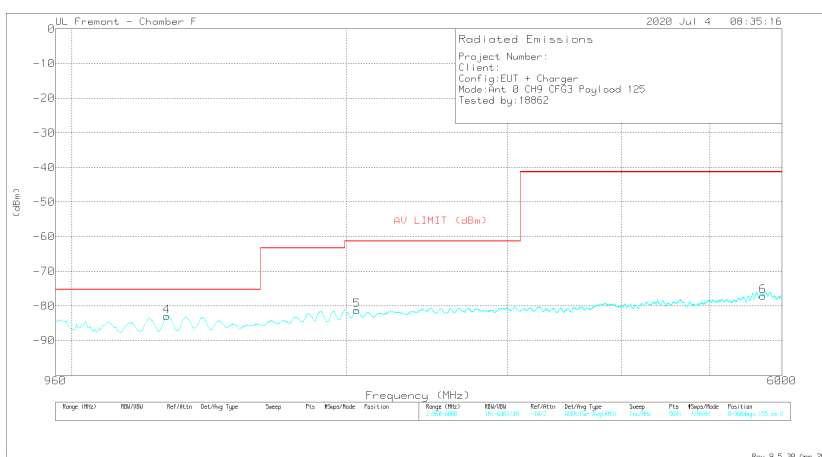
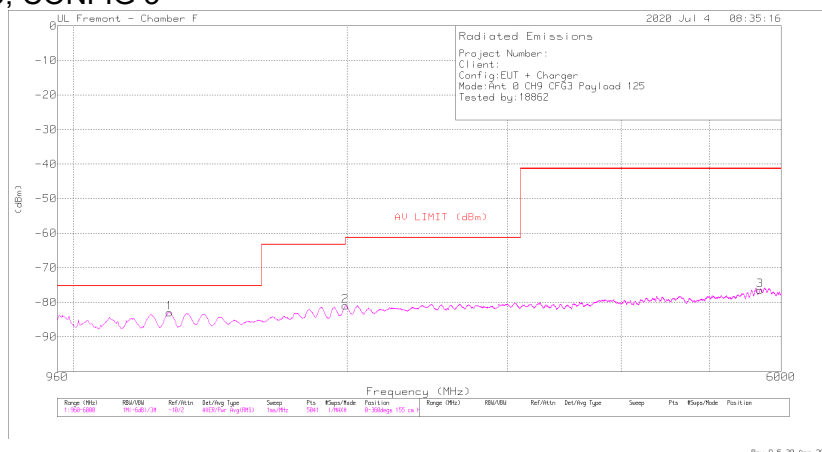
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T711 (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	1107	-60.96	RMS	27.5	-45.5	-15.6	11.8	2	-82.56	-75.3	-7.26	219	155	H
2	2473	-64.64	RMS	32.4	-45.1	-15.6	11.8	3	-80.84	-61.3	-19.54	242	155	H
3	5782	-68.37	RMS	34.9	-41.6	-15.6	11.8	2	-76.87	-41.3	-35.57	329	155	H
4	1275	-63.16	RMS	29	-45.3	-15.6	11.8	2	-83.06	-75.3	-7.76	273	155	V
5	2475	-64.47	RMS	32.3	-45.1	-15.6	11.8	3	-80.77	-61.3	-19.47	141	155	V
6	5763	-67.95	RMS	34.9	-41.6	-15.6	11.8	2	-76.45	-41.3	-35.15	273	155	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. 0, CH9, CONFIG 3



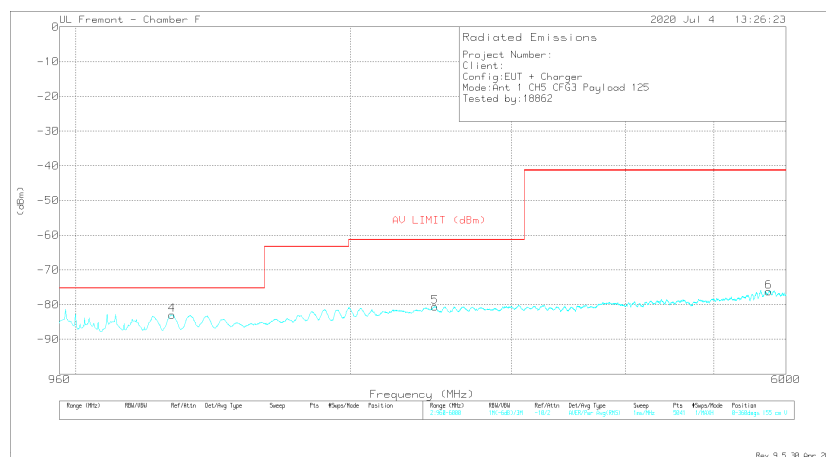
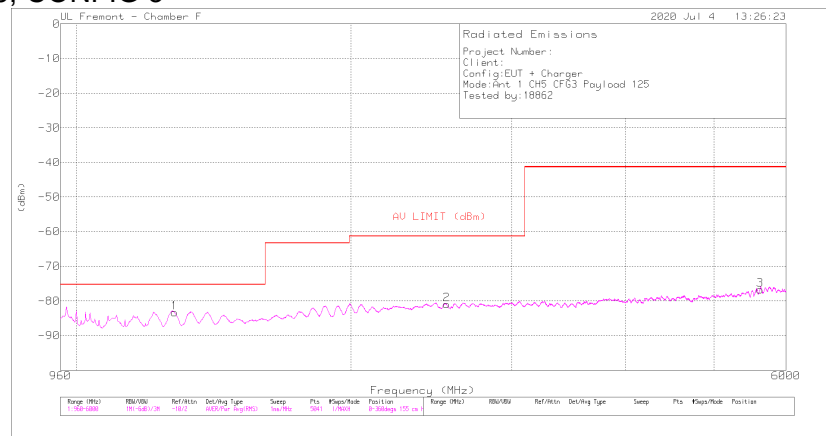
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T711 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9_LPF (dB)	EIRP (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Altitude (Meters)	Height (cm)	Polarity
1	1275	-63.11	RMS	29	-45.3	-15.6	11.8	.2	-83.01	-75.3	-7.71	109	155	H
2	1991	-63.38	RMS	31.3	-45.4	-15.6	11.8	.3	-80.98	-61.3	-19.68	220	155	H
3	5688	-67.75	RMS	34.9	-41.7	-15.6	11.8	1.9	-76.45	-41.3	-35.15	264	155	H
4	1271	-62.91	RMS	28.9	-45.4	-15.6	11.8	.2	-83.01	-75.3	-7.71	295	155	V
5	2053	-63.65	RMS	31.3	-45.4	-15.6	11.8	.3	-81.25	-61.3	-19.95	185	155	V
6	5719	-68.69	RMS	35	-41.6	-15.6	11.8	2	-77.09	-41.3	-35.79	317	155	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



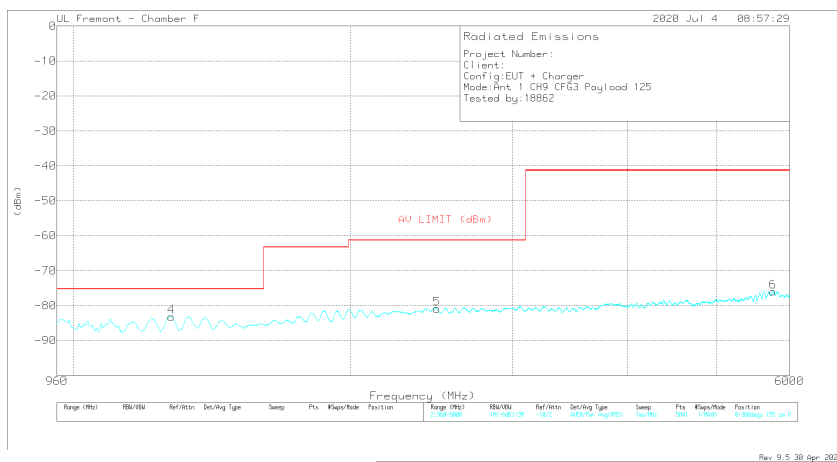
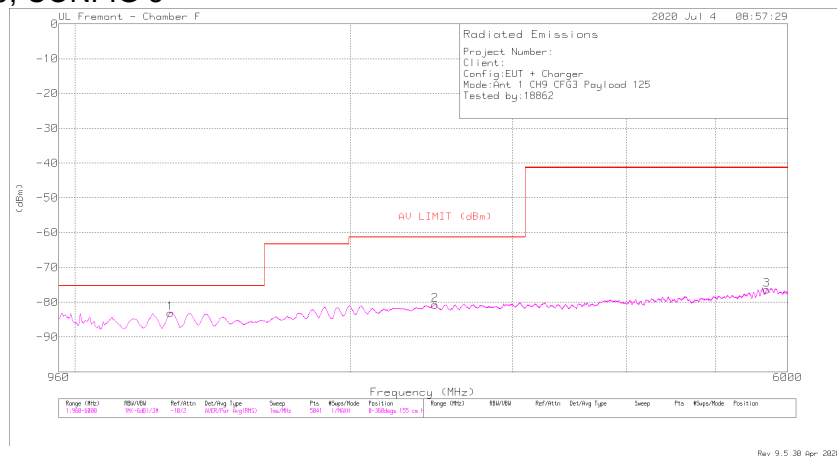
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T711 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH5_LPF (dB)	EIRP (dBm)	FCC15.519(c) ERP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1281	-63.29	RMS	29	-45.4	-15.6	11.8	.2	-83.29	-75.3	-7.99	88	155	H
2	2547	-64.59	RMS	32.3	-45.2	-15.6	11.8	.3	-80.99	-61.3	-19.69	198	155	H
3	5620	-68.04	RMS	34.8	-41.6	-15.6	11.8	1.9	-76.74	-41.3	-35.44	330	155	H
4	1275	-63.1	RMS	29	-45.3	-15.6	11.8	.2	-83	-75.3	-7.7	75	155	V
5	2475	-64.29	RMS	32.3	-45.1	-15.6	11.8	.3	-80.59	-61.3	-19.29	163	155	V
6	5744	-67.85	RMS	35	-41.6	-15.6	11.8	2	-76.25	-41.3	-34.95	273	155	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

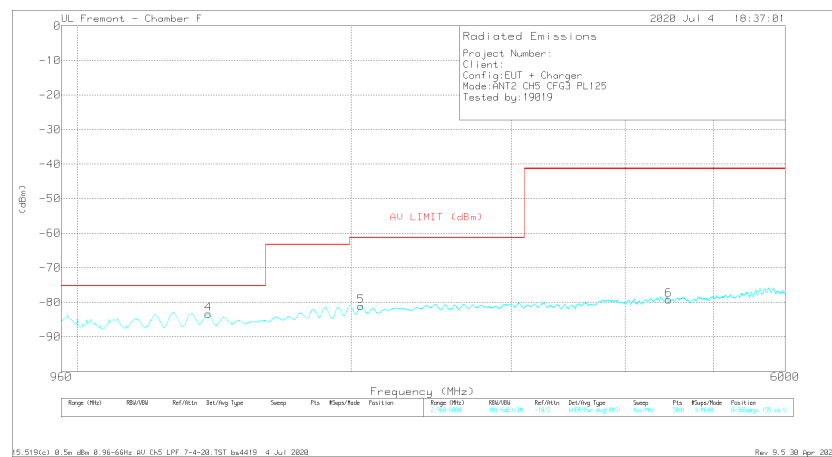
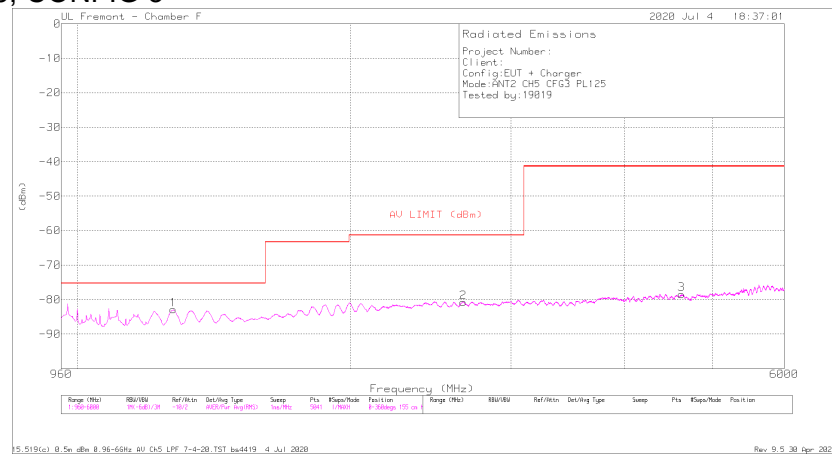


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T711 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9_LPF (dB)	EIRP (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	1271	-62.96	RMS	28.9	-45.4	-15.6	11.8	2	-83.06	-75.3	-7.76	220	155	H
2	2473	-64.56	RMS	32.4	-45.1	-15.6	11.8	3	-80.76	-61.3	-19.46	110	155	H
3	5688	-67.61	RMS	34.9	-41.7	-15.6	11.8	1.9	-76.31	-41.3	-35.01	22	155	H
4	1278	-63.26	RMS	29.1	-45.4	-15.6	11.8	2	-83.16	-75.3	-7.86	339	155	V
5	2484	-64.91	RMS	32.4	-44.9	-15.6	11.8	3	-80.91	-61.3	-19.61	53	155	V
6	5757	-67.62	RMS	35	-41.6	-15.6	11.8	2	-76.02	-41.3	-34.72	75	155	V

RMS - RMS detection

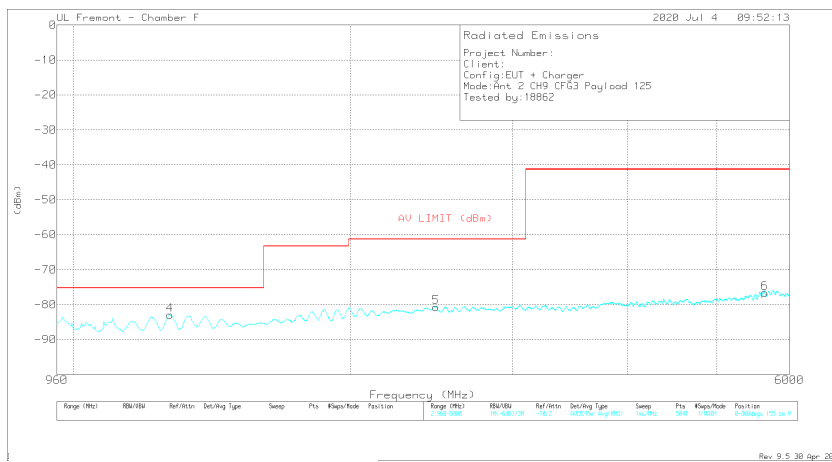
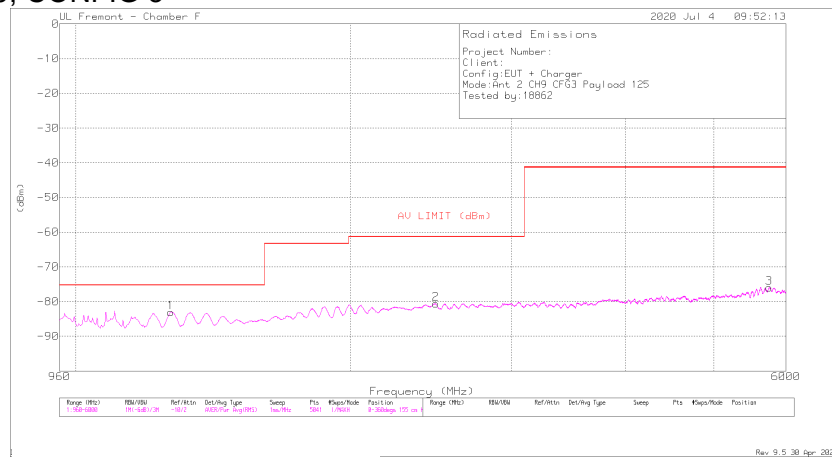
*Note: Test was performed with a low-pass filter with cutoff frequency at 6 GHz to suppress CH9 fundamental signal.



Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T711 (dBm)	Amp/CB (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH5_LF1 (dB)	EIRP (dBm)	FCC15.519(C) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1276	-63.1	RMS	29.1	-45.3	-15.6	11.8	2	-82.9	-75.3	-7.6	220	155	H
2	2661	-64.5	RMS	32.5	-45.1	-15.6	11.8	2	-80.7	-61.3	-19.4	308	155	H
3	4625	-65.52	RMS	34.2	-43.9	-15.6	11.8	6	-78.42	-41.3	-37.12	286	155	H
4	1393	-63.28	RMS	26.7	-45.2	-15.6	11.8	2	-83.38	-75.3	-8.08	119	155	V
5	2051	-63.45	RMS	31.3	-45.4	-15.6	11.8	3	-81.05	-61.3	-19.75	251	155	V
6	4465	-66.33	RMS	33.9	-43.6	-15.6	11.8	6	-79.23	-41.3	-37.93	317	155	V

*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

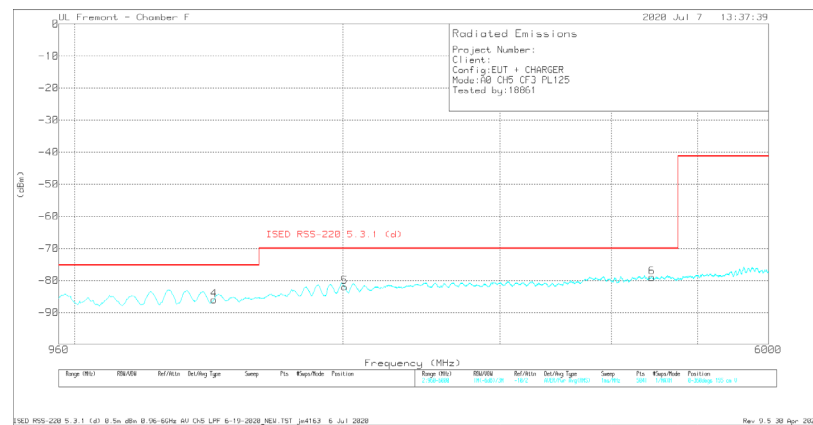
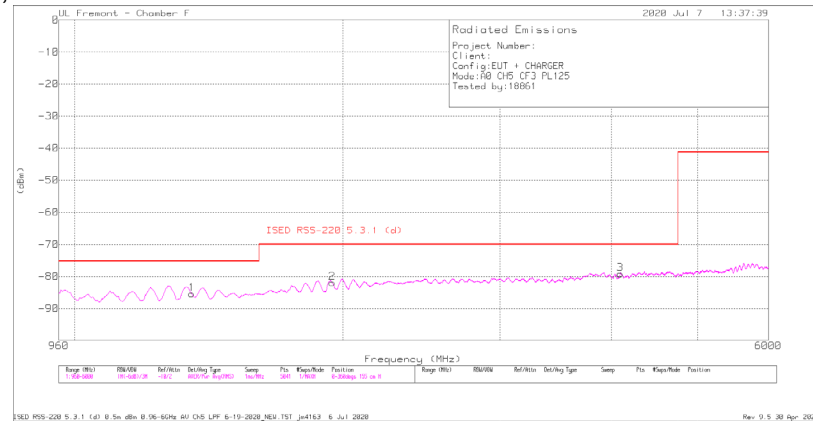
Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T711 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9_LPF (dB)	EIRP (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	1271	-62.95	RMS	28.9	-45.4	-15.6	11.8	2	-83.05	-75.3	-7.75	66	155	H
2	2481	-64.65	RMS	32.4	-44.9	-15.6	11.8	3	-80.65	-61.3	-19.35	308	155	H
3	5750	-67.44	RMS	34.9	-41.7	-15.6	11.8	2	-76.04	-41.3	-34.74	242	155	H
4	1274	-63.03	RMS	29	-45.3	-15.6	11.8	2	-82.93	-75.3	-7.63	317	155	V
5	2478	-64.59	RMS	32.4	-45	-15.6	11.8	3	-80.69	-61.3	-19.39	185	155	V
6	5639	-68.36	RMS	34.9	-41.3	-15.6	11.8	1.9	-76.66	-41.3	-35.36	53	155	V

RMS - RMS detection

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

8.6.1.2. RSS-220 5.3.1 (d)

ANT. 0, CH5, CONFIG 3



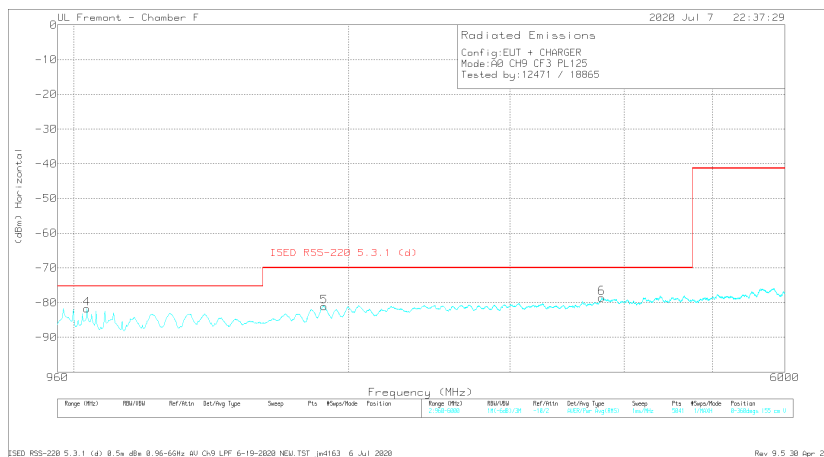
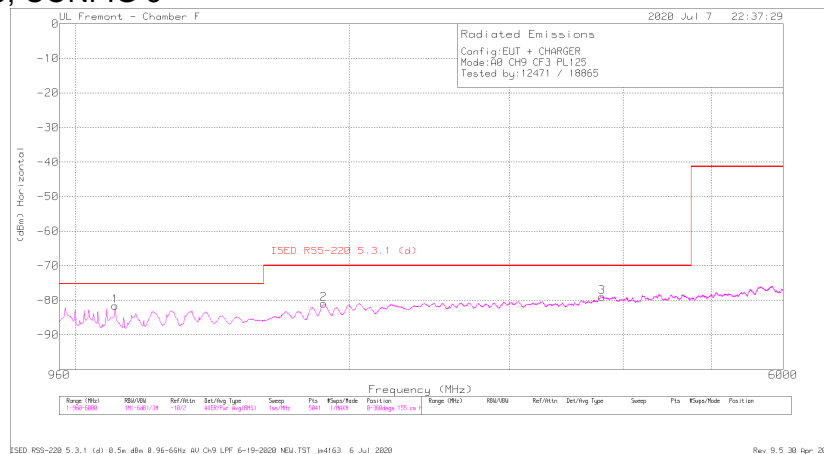
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T711 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH5_LPF (dB)	Corrected Reading (dBm)	ISED RSS-220 5.3.1 (d)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	1353	-65.79	RMS	29.3	-45.2	-15.6	11.8	.1	-85.39	-75.3	-10.09	198	155	H
2	1945	-64.26	RMS	30.9	-45.3	-15.6	11.8	.5	-81.96	-70	-11.96	264	155	H
3	4093	-66.52	RMS	33.8	-43.2	-15.6	11.8	.5	-79.22	-70	-9.22	198	155	H
4	1433	-65.41	RMS	28.2	-45.2	-15.6	11.8	.2	-86.01	-75.3	-10.71	273	155	V
5	2009	-64.6	RMS	31.4	-45.3	-15.6	11.8	.3	-82	-70	-12	251	155	V
6	4441	-65.69	RMS	33.8	-43.7	-15.6	11.8	.4	-78.99	-70	-8.99	118	155	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. 0, CH9, CONFIG 3

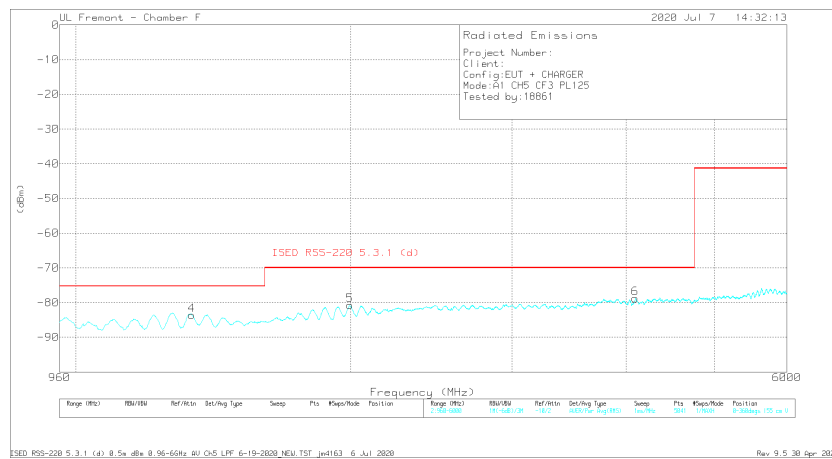
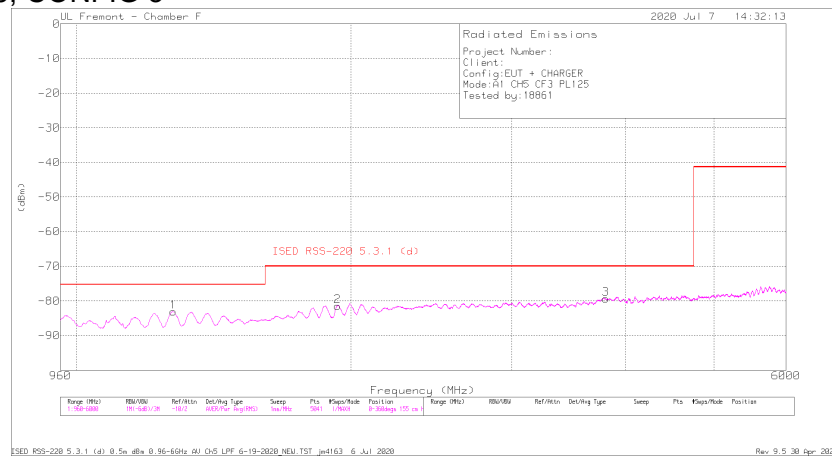


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T711 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9_LPF (dB)	Corrected Reading (dBm)	ISED R55-220 5.3.1 (d)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1106	-60.11	RMS	27.5	-45.4	-15.6	11.8	.2	-81.61	-75.3	-6.31	242	155	H
2	1876	-63.32	RMS	30.8	-45	-15.6	11.8	.3	-81.02	-70	-11.02	308	155	H
3	3795	-65.97	RMS	33.6	-43.4	-15.6	11.8	.6	-78.97	-70	-8.97	132	155	H
4	1034	-59.96	RMS	27	-45.2	-15.6	11.8	.2	-81.76	-75.3	-6.46	207	155	V
5	1879	-63.26	RMS	30.7	-45	-15.6	11.8	.3	-81.06	-70	-11.06	339	155	V
6	3783	-65.75	RMS	33.6	-43.1	-15.6	11.8	.5	-78.55	-70	-8.55	53	155	V

RMS - RMS detection

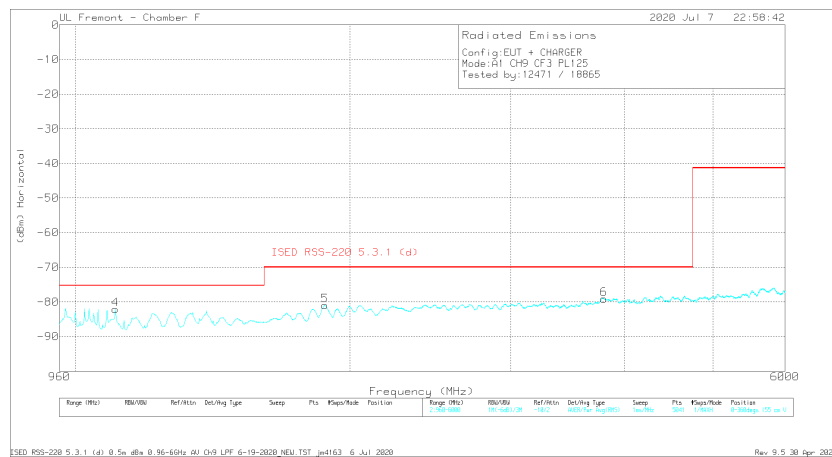
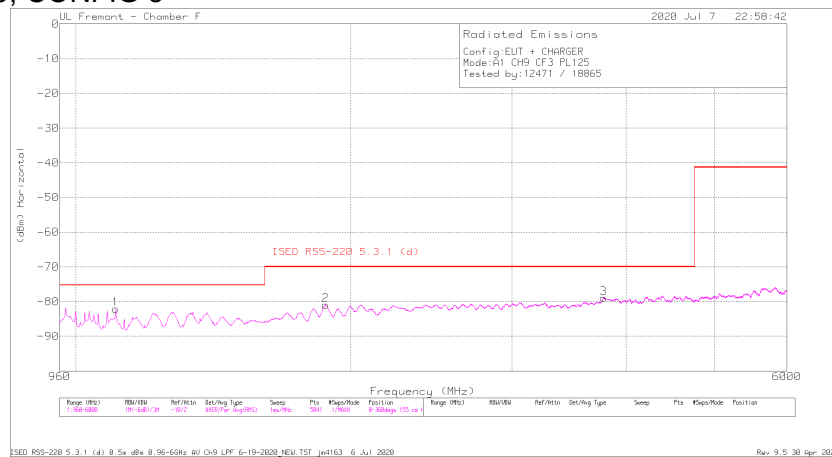
*Note: Test was performed with a low-pass filter with cutoff frequency at 6 GHz to suppress CH9 fundamental signal.



Marker	Frequency (MHz)	Water Reading (dBm)	Det	AF T711 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH5_LPF (dB)	Corrected Reading (dBm)	ISED RSS-220 5.3.1 (d)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1276.5	-63.15	RMS	29.1	-45.3	-15.6	11.8	.1	-83.05	-75.3	-7.75	295	155	H
2	1933	-63.63	RMS	30.6	-45.3	-15.6	11.8	.4	-81.43	-70	-11.43	53	155	H
3	3805	-66.57	RMS	33.7	-43.4	-15.6	11.8	.7	-79.37	-70	-9.37	206	155	H
4	1340	-63.82	RMS	29.1	-45.2	-15.6	11.8	.1	-83.62	-75.3	-8.32	198	155	V
5	1996	-63.17	RMS	31.3	-45.4	-15.6	11.8	.3	-80.77	-70	-10.77	219	155	V
6	4096	-66.29	RMS	33.8	-43	-15.6	11.8	.5	-78.79	-70	-8.79	330	155	V

*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 T711 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9_LPF (dB)	Corrected Reading (dBm)	ISSED RSS-220 5.3.1 (d)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1106	-60.63	RMS	27.5	-45.4	-15.6	11.8	.2	-82.13	-75.3	-6.83	251	155	H
2	1878	-63.19	RMS	30.7	-45	-15.6	11.8	.3	-80.99	-70	-10.99	118	155	H
3	3781	-66.14	RMS	33.6	-43.1	-15.6	11.8	.5	-78.94	-70	-8.94	229	155	H
4	1106	-60.64	RMS	27.5	-45.4	-15.6	11.8	.2	-82.14	-75.3	-6.84	264	155	V
5	1878	-63.19	RMS	30.7	-45	-15.6	11.8	.3	-80.99	-70	-10.99	66	155	V
6	3797	-66.15	RMS	33.6	-43.4	-15.6	11.8	.7	-79.05	-70	-9.05	285	155	V

RMS - RMS detection

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

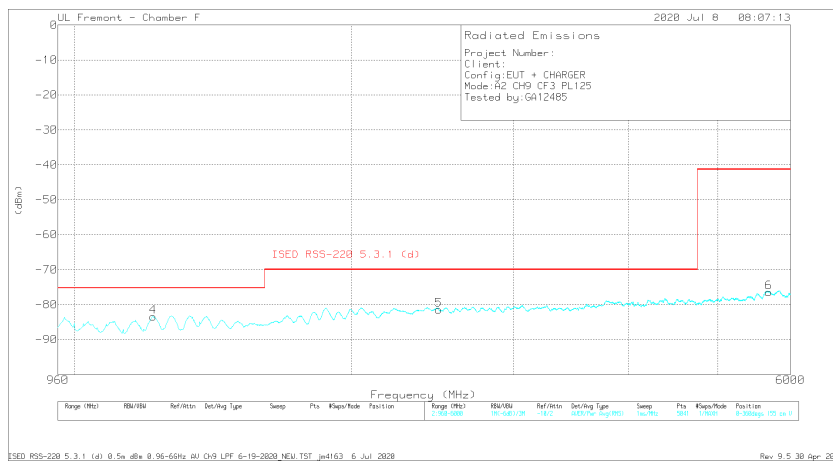
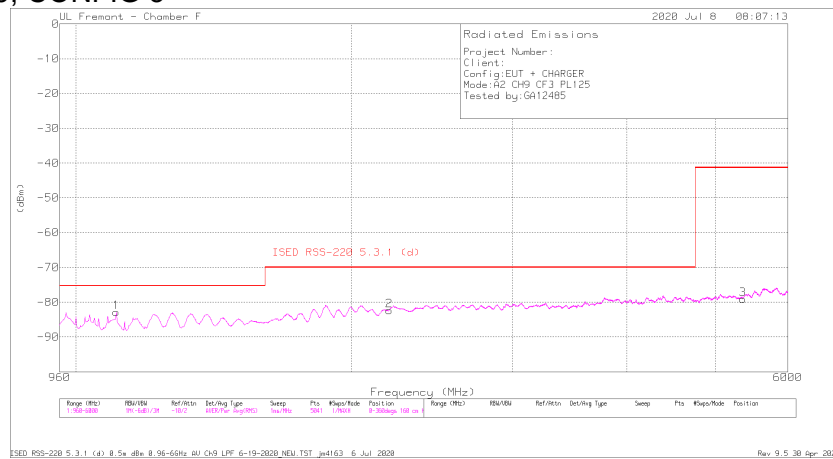


Marker	Frequency (MHz)	Meas Reading (dBm)	Det	AF T711 (dBm)	Amp/Cb1 (dB)	Dist Correction (dB)	Conversion Factor (dB)	CHS_LPF (dB)	Corrected Reading (dBm)	ISED RSS-220 5.3.1 (d)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1104	-63.74	RMS	27.5	-45.4	-15.6	11.8	2	-84.64	-75.3	-9.34	220	160	H
2	2498	-65.43	RMS	32.4	-45	-15.6	11.8	2	-81.83	-70	-11.63	264	160	H
3	5007	-66.32	RMS	34.1	-43.2	-15.6	11.8	8	-78.42	-41.3	-37.12	286	160	H
4	1113	-64.84	RMS	27.5	-45.5	-15.6	11.8	2	-86.24	-75.3	-10.94	206	155	V
5	2588	-65.26	RMS	32.3	-45.1	-15.6	11.8	1	-81.76	-70	-11.76	31	155	V
6	5408	-67.84	RMS	34.5	-42.2	-15.6	11.8	1.8	-77.54	-41.3	-36.24	229	155	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



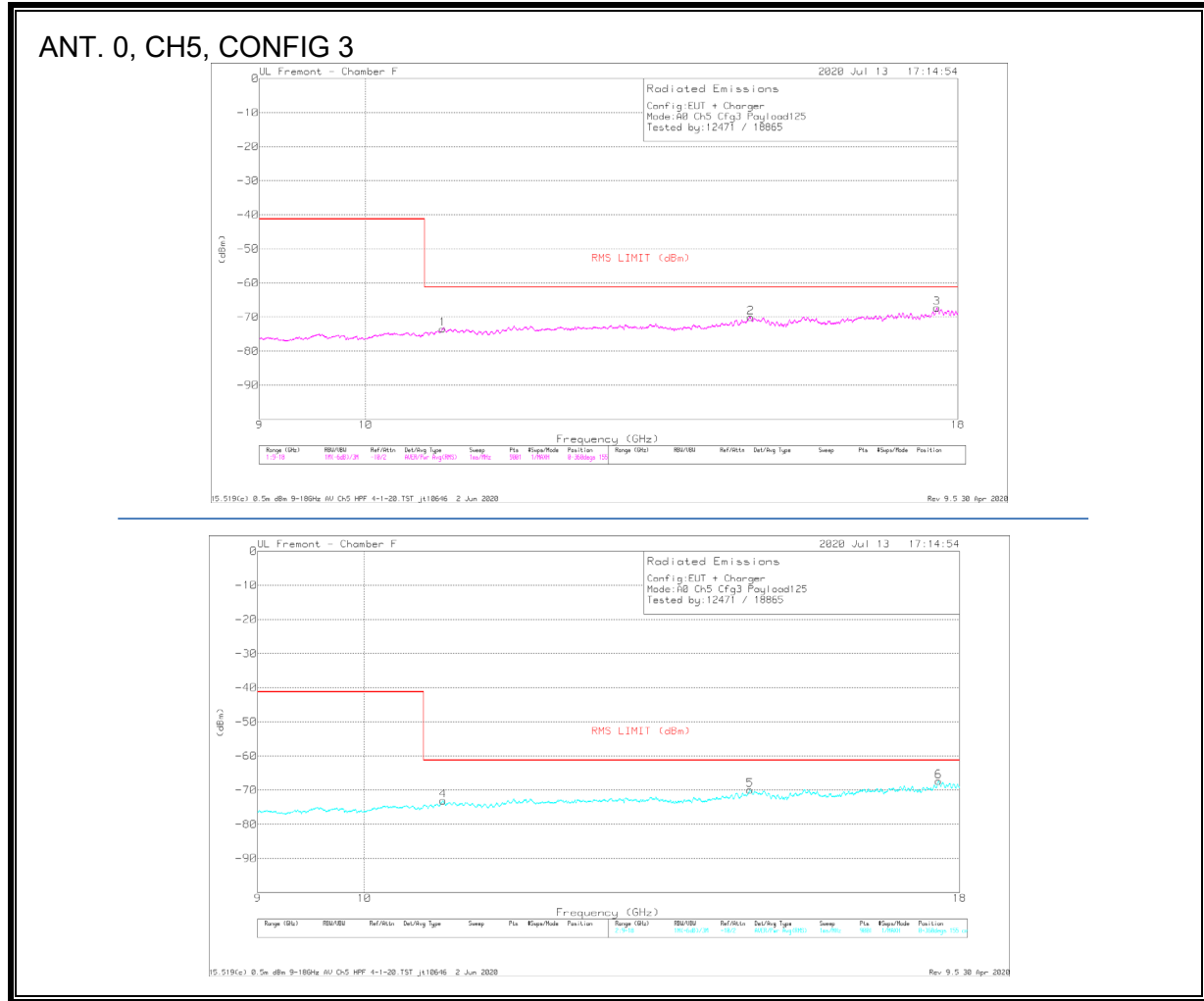
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T711 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9_LFF (dB)	Corrected Reading (dBm)	ISSED RSS-228 5.3.1 (d)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1107	-61.3	RMS	27.5	-45.5	-15.6	11.8	2	-82.9	-75.3	-7.6	219	160	H
2	2201	-64.79	RMS	31.5	-45.5	-15.6	11.8	3	-82.29	-70	-12.29	22	160	H
3	5357	-68.77	RMS	34.6	-42.4	-15.6	11.8	1.3	-79.07	-41.3	-37.77	22	160	H
4	1218	-63.17	RMS	28.5	-45.2	-15.6	11.8	2	-83.47	-75.3	-8.17	295	155	V
5	2489	-65.3	RMS	32.3	-44.9	-15.6	11.8	2	-81.5	-70	-11.5	119	155	V
6	5682	-67.71	RMS	34.9	-41.8	-15.6	11.8	1.9	-76.51	-41.3	-35.21	163	155	V

RMS - RMS detection

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

8.6.2. AVERAGE EMISSIONS, 9 – 18 GHz



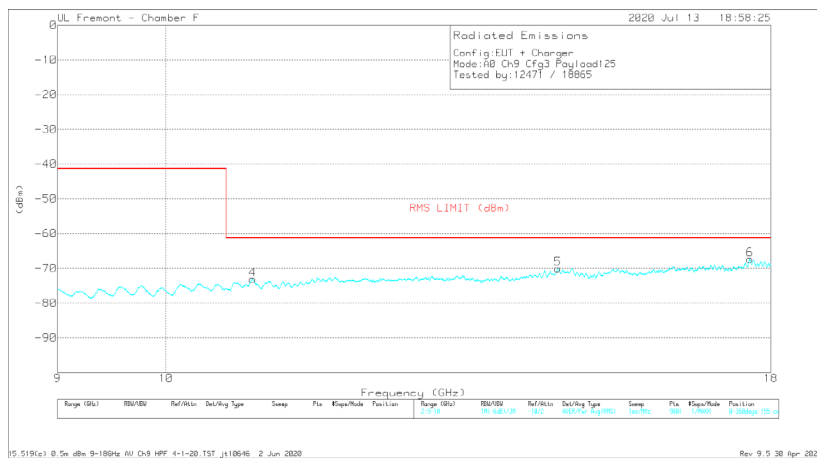
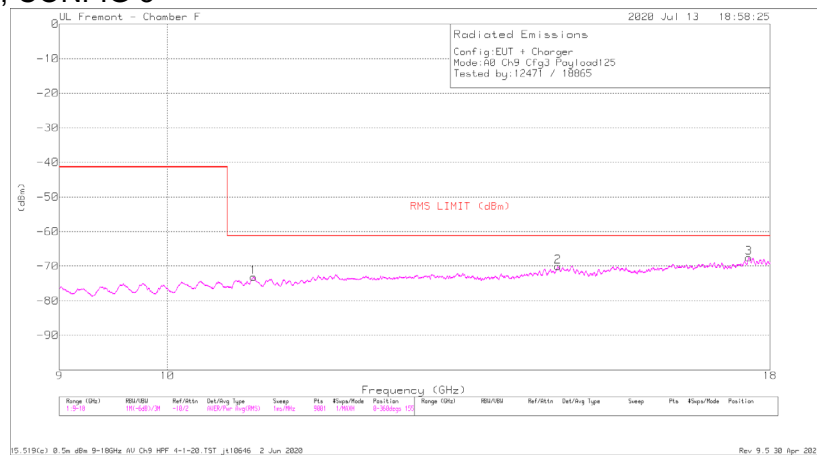
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T711 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH5_HP (dB)	EIRP (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	10.795	-70.73	RMS	37.8	-37.3	-15.6	11.8	.6	-73.43	-61.3	-12.13	66	155	H
2	14.657	-70.8	RMS	40.2	-36.4	-15.6	11.8	.7	-70.1	-61.3	-8.8	22	155	H
3	17.634	-71	RMS	41.5	-34.6	-15.6	11.8	.6	-67.3	-61.3	-6	22	155	H
4	10.81	-70.65	RMS	37.9	-37.1	-15.6	11.8	.6	-73.05	-61.3	-11.75	119	155	V
5	14.638	-70.7	RMS	40.1	-36.2	-15.6	11.8	.7	-69.9	-61.3	-8.6	339	155	V
6	17.631	-71.07	RMS	41.5	-34.6	-15.6	11.8	.6	-67.37	-61.3	-6.07	185	155	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



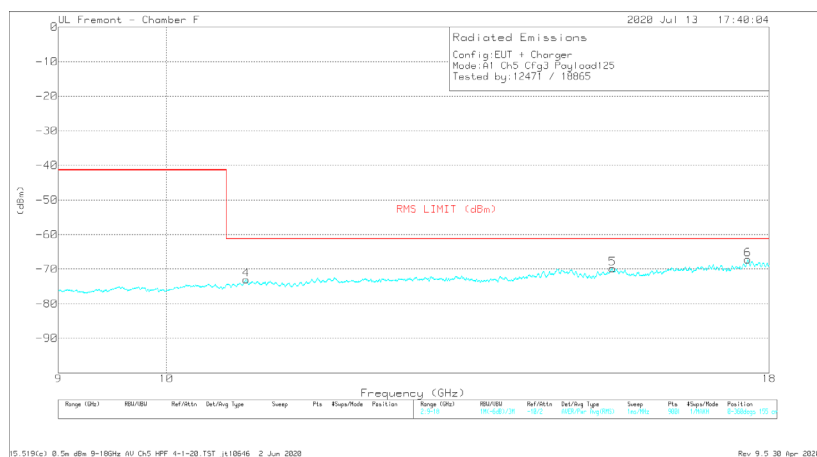
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T711 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9_HP (dB)	EIRP (dBm)	FCC15.519(c) ERP RMS (dBm)	Margin (dB)	Altitude (Meters)	Height (cm)	Polarity
1	10.878	-69.39	RMS	37.8	-37.7	-15.6	11.8	0	-73.09	-61.3	-11.79	176	155	H
2	14.636	-70.53	RMS	40.1	-36.2	-15.6	11.8	.4	-70.03	-61.3	-8.73	308	155	H
3	17.632	-71	RMS	41.5	-34.6	-15.6	11.8	.4	-67.5	-61.3	-6.2	66	155	H
4	10.879	-69.43	RMS	37.8	-37.7	-15.6	11.8	0	-73.13	-61.3	-11.83	163	155	V
5	14.638	-70.56	RMS	40.1	-36.2	-15.6	11.8	.4	-70.06	-61.3	-8.76	163	155	V
6	17.6365	-70.87	RMS	41.5	-34.7	-15.6	11.8	.5	-67.37	-61.3	-6.07	339	155	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



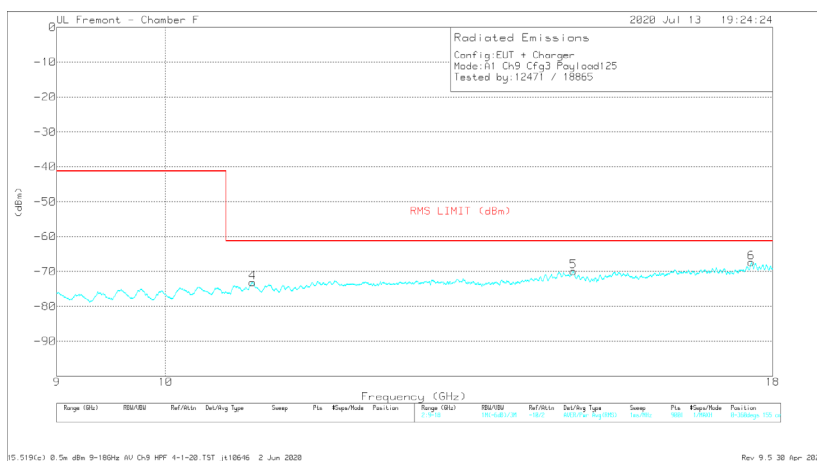
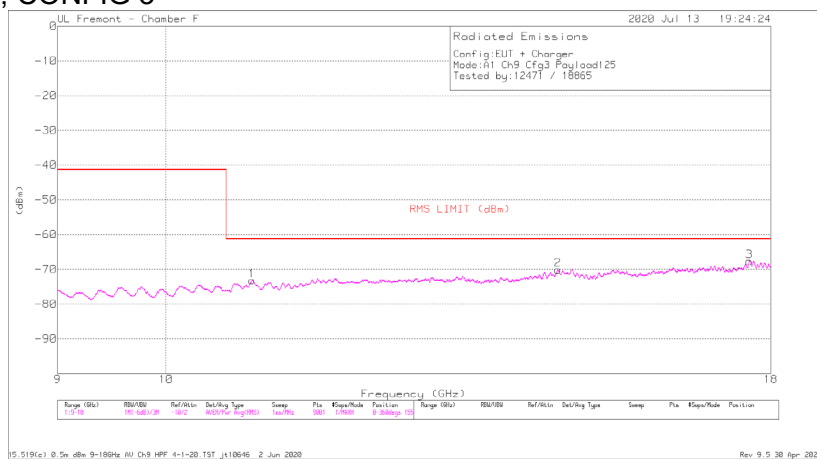
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T711 (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	10.807	-70.67	RMS	37.9	-37	-15.6	11.8	.6	-72.97	-61.3	-11.67	338	155	H
2	15.453	-69.95	RMS	40.3	-37.2	-15.6	11.8	.6	-70.05	-61.3	-8.75	229	155	H
3	17.633	-71.02	RMS	41.5	-34.6	-15.6	11.8	.6	-67.32	-61.3	-6.02	207	155	H
4	10.811	-70.63	RMS	37.9	-37.1	-15.6	11.8	.6	-73.03	-61.3	-11.73	65	155	V
5	15.452	-69.79	RMS	40.3	-37.1	-15.6	11.8	.6	-69.79	-61.3	-8.49	242	155	V
6	17.634	-70.87	RMS	41.5	-34.6	-15.6	11.8	.6	-67.17	-61.3	-5.87	65	155	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



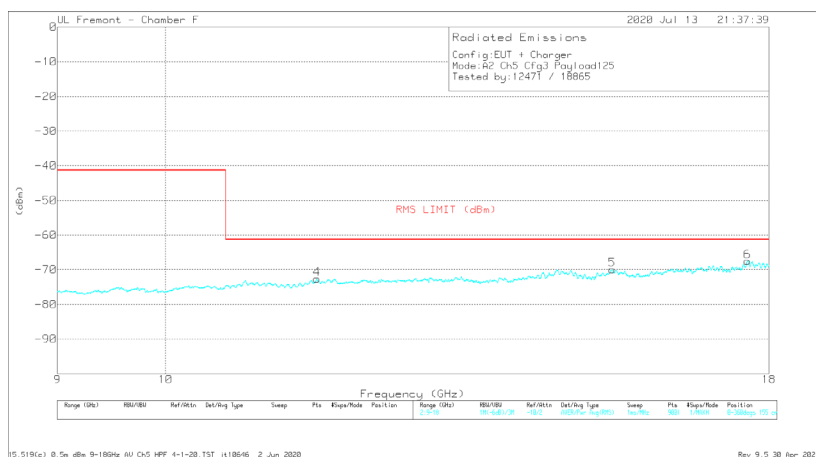
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T711 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9_HPFF (dB)	EIRP (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	10.874	-69.51	RMS	37.8	-37.7	-15.6	11.8	0	-73.21	-61.3	-11.91	31	155	H
2	14.636	-70.61	RMS	40.1	-36.2	-15.6	11.8	.4	-70.11	-61.3	-8.81	228	155	H
3	17.627	-71.08	RMS	41.4	-34.6	-15.6	11.8	.4	-67.68	-61.3	-6.38	141	155	H
4	10.879	-69.41	RMS	37.8	-37.7	-15.6	11.8	0	-73.11	-61.3	-11.81	220	155	V
5	14.842	-70.62	RMS	40.1	-36.4	-15.6	11.8	.8	-69.92	-61.3	-8.62	220	155	V
6	17.632	-70.89	RMS	41.5	-34.6	-15.6	11.8	.4	-67.39	-61.3	-6.09	109	155	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



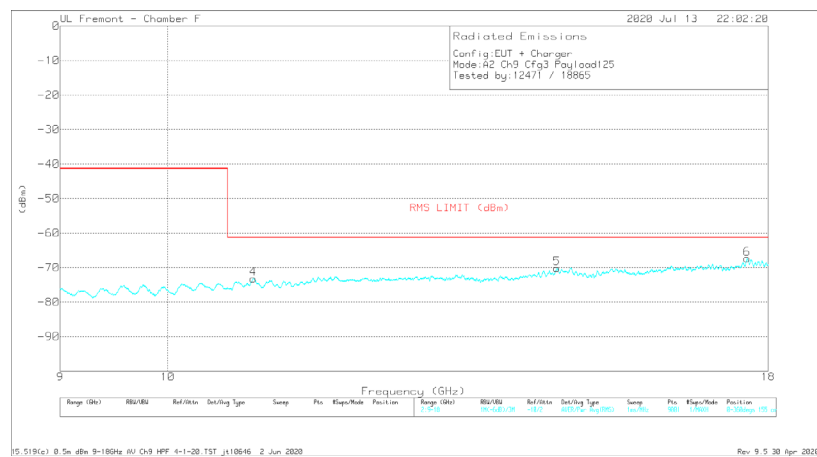
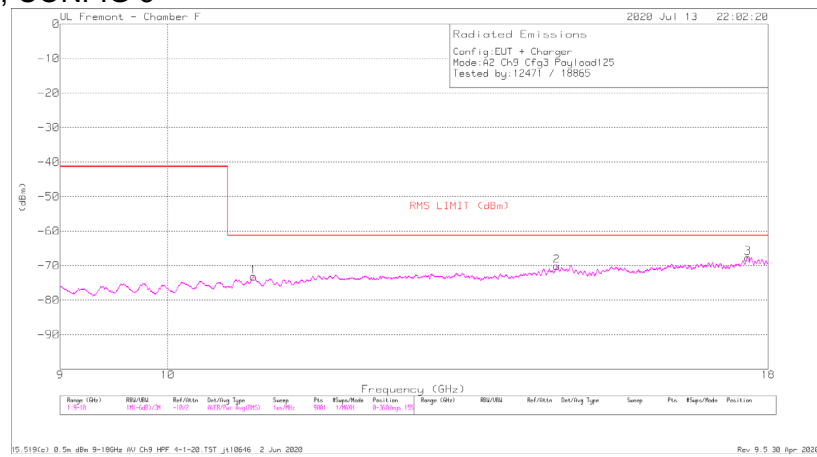
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T711 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH5 HPF (dB)	EIRP (dBm)	FCC15.519(c) ERP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	10.806	-70.7	RMS	37.9	-37.1	-15.6	11.8	.6	-73.1	-61.3	-11.8	97	155	H
2	14.636	-70.74	RMS	40.1	-36.2	-15.6	11.8	.7	-69.94	-61.3	-8.64	97	155	H
3	17.633	-71.04	RMS	41.5	-34.6	-15.6	11.8	.6	-67.34	-61.3	-6.04	140	155	H
4	11.589	-71.01	RMS	38.6	-37	-15.6	11.8	.6	-72.61	-61.3	-11.31	1	155	V
5	15.45	-69.92	RMS	40.3	-37.1	-15.6	11.8	.6	-69.92	-61.3	-8.62	198	155	V
6	17.627	-71.11	RMS	41.4	-34.6	-15.6	11.8	.6	-67.51	-61.3	-6.21	264	155	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



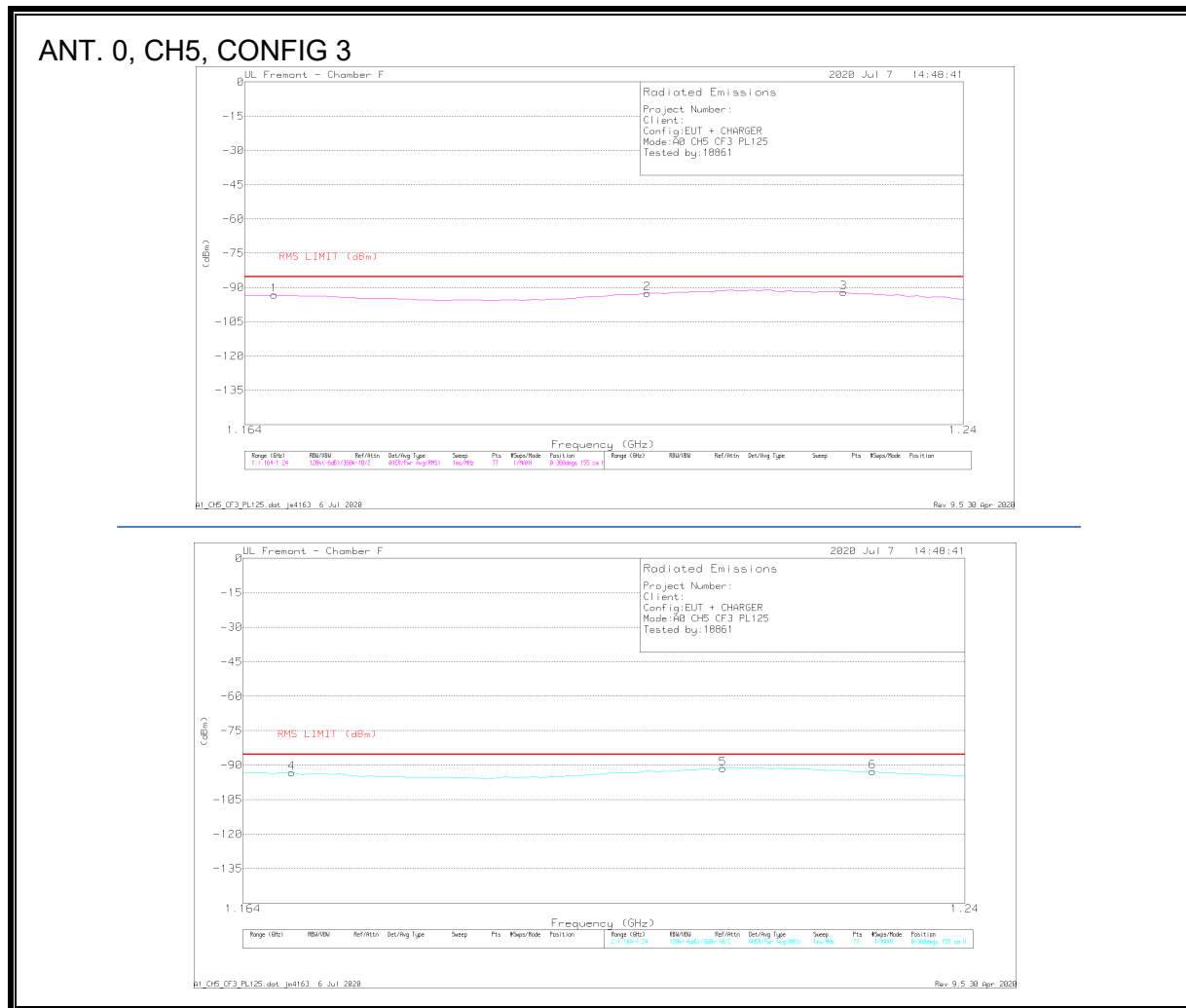
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T711 (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	10.877	-69.48	RMS	37.8	-37.7	-15.6	11.8	0	-73.18	-61.3	-11.88	308	155	H
2	14.635	-70.62	RMS	40.1	-36.2	-15.6	11.8	.4	-70.12	-61.3	-8.82	22	155	H
3	17.644	-70.72	RMS	41.4	-35.1	-15.6	11.8	.5	-67.72	-61.3	-6.42	286	155	H
4	10.873	-69.5	RMS	37.8	-37.7	-15.6	11.8	0	-73.2	-61.3	-11.9	229	155	V
5	14.634	-70.65	RMS	40.1	-36.2	-15.6	11.8	.4	-70.15	-61.3	-8.85	359	155	V
6	17.634	-70.97	RMS	41.5	-34.6	-15.6	11.8	.5	-67.37	-61.3	-6.07	317	155	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.

8.6.3. AVERAGE EMISSIONS, 1.164 – 1.240 GHz



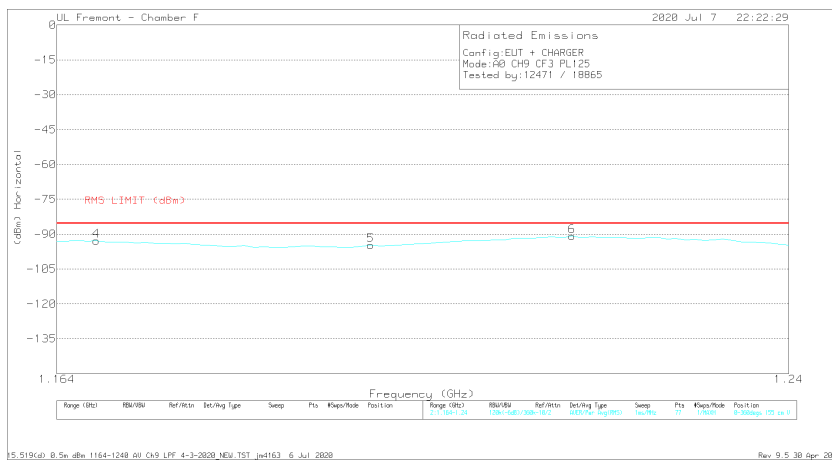
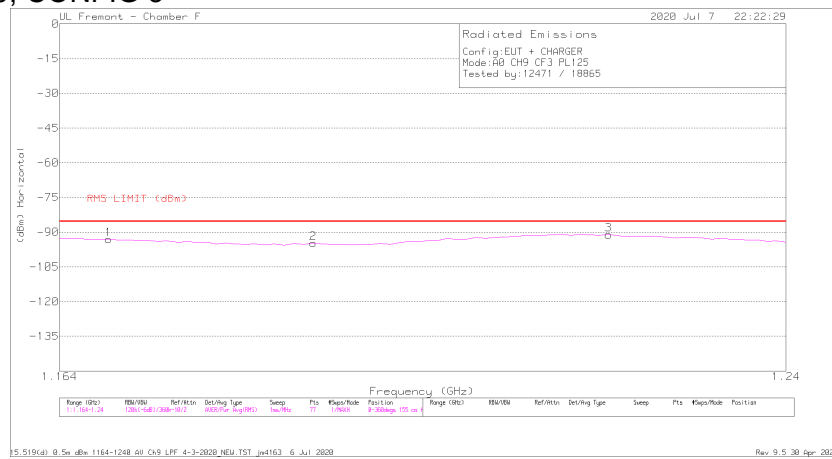
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T711 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH5 LP Filter	EIRP (dBm)	FCC15.519(d) EIRP RMS (dBm)	Margin (dB)	Altitude (Dega)	Height (cm)	Polarity
1	1.167	-72.75	RMS	28.6	-45.4	-15.6	11.8	.1	-93.25	-85.3	-7.95	162	155	H
2	1.206	-73.35	RMS	29.6	-45.2	-15.6	11.8	.2	-92.55	-85.3	-7.25	207	155	H
3	1.227	-72.88	RMS	29.8	-45.4	-15.6	11.8	.2	-92.08	-85.3	-6.78	251	155	H
4	1.169	-72.7	RMS	28.6	-45.4	-15.6	11.8	.1	-93.2	-85.3	-7.9	1	155	V
5	1.214	-72.35	RMS	29.8	-45.2	-15.6	11.8	.2	-91.35	-85.3	-6.05	87	155	V
6	1.23	-73.45	RMS	29.8	-45.4	-15.6	11.8	.1	-92.75	-85.3	-7.45	330	155	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. 0, CH9, CONFIG 3



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T711 (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	1.169	-72.5	RMS	28.6	-45.4	-15.6	11.8	.1	-93	-85.3	-7.7	185	155	H
2	1.19	-74.93	RMS	29.1	-45.2	-15.6	11.8	.1	-94.73	-85.3	-9.43	185	155	H
3	1.221	-72.08	RMS	29.9	-45.3	-15.6	11.8	.2	-91.08	-85.3	-5.78	163	155	H
4	1.168	-72.27	RMS	28.6	-45.4	-15.6	11.8	.1	-92.77	-85.3	-7.47	220	155	V
5	1.196	-75.36	RMS	29.4	-45.1	-15.6	11.8	.1	-94.76	-85.3	-9.46	66	155	V
6	1.217	-71.9	RMS	29.9	-45.2	-15.6	11.8	.2	-90.8	-85.3	-5.5	88	155	V

RMS - RMS detection

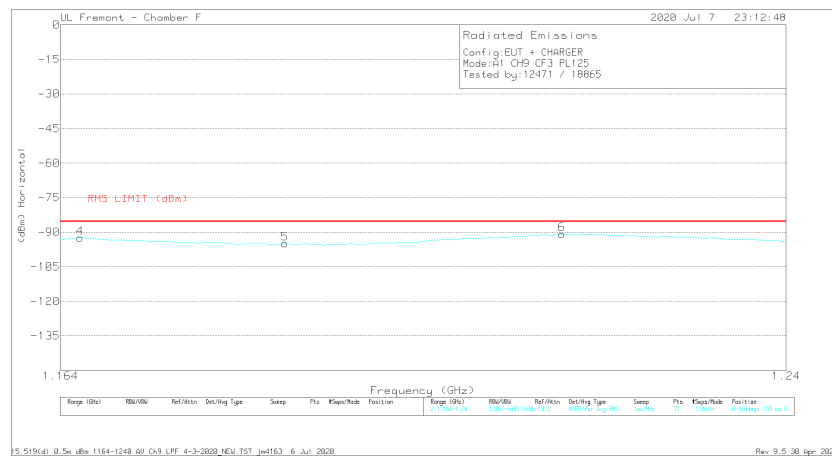
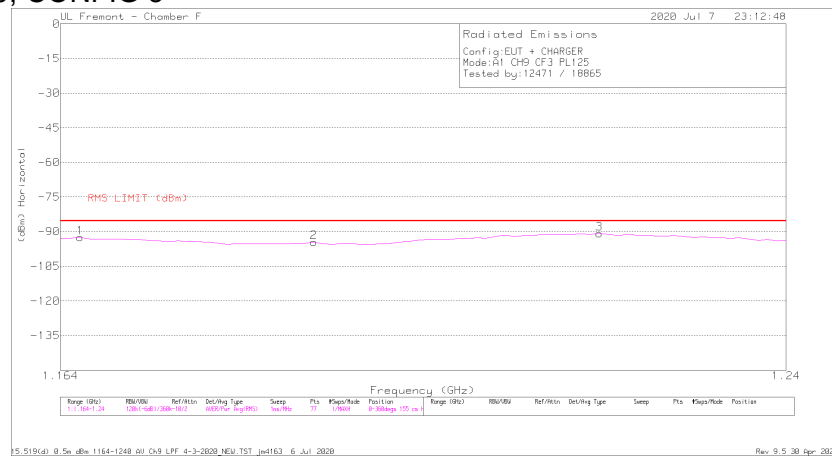
*Note: Test was performed with a low-pass filter with cutoff frequency at 6 GHz to suppress CH9 fundamental signal.



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T711 (dBm)	Amp/CBI (dB)	Dist Correction (dB)	Conversion Factor (dB)	CHS LP Filter	EIRP (dBm)	FCCL5.819(d) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.179	-74.51	RMS	28.8	-45.4	-15.6	11.8	1	-94.81	-85.3	-9.51	339	155	H
2	1.206	-73.35	RMS	29.6	-45.2	-15.6	11.8	2	-92.55	-85.3	-7.25	207	155	H
3	1.219	-72.1	RMS	29.9	-45.3	-15.6	11.8	2	-91.3	-85.3	-6.0	295	155	H
4	1.175	-74.13	RMS	28.6	-45.4	-15.6	11.8	1	-94.63	-85.3	-9.33	1	155	V
5	1.21	-72.71	RMS	29.6	-45.3	-15.6	11.8	2	-92.01	-85.3	-6.71	176	155	V
6	1.215	-72.03	RMS	29.8	-45.2	-15.6	11.8	2	-91.03	-85.3	-5.73	176	155	V

*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



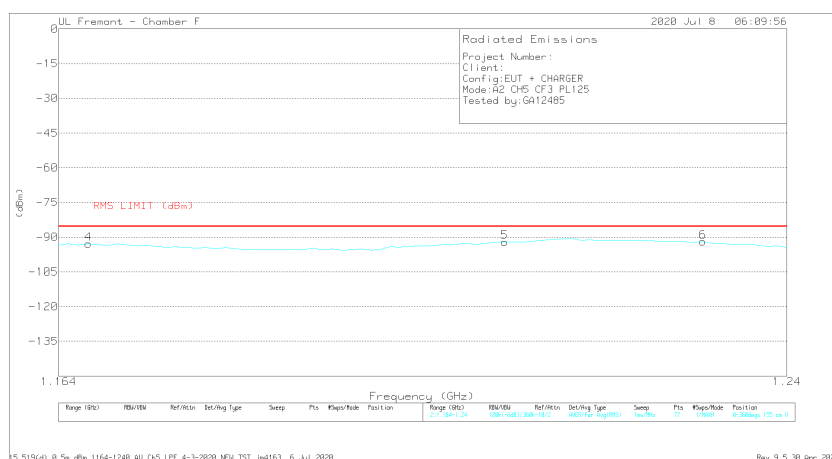
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T711 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9 LP Filter	EIRP (dBm)	FCC15.519(d) ERP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.166	-71.9	RMS	28.5	-45.4	-15.6	11.8	.1	-92.5	-85.3	-7.2	1	155	H
2	1.19	-74.74	RMS	29.1	-45.2	-15.6	11.8	.1	-94.54	-85.3	-9.24	198	155	H
3	1.22	-71.76	RMS	29.9	-45.3	-15.6	11.8	.2	-90.76	-85.3	-5.46	154	155	H
4	1.166	-71.89	RMS	28.5	-45.4	-15.6	11.8	.1	-92.49	-85.3	-7.19	228	155	V
5	1.187	-75.14	RMS	29.1	-45.2	-15.6	11.8	.1	-94.94	-85.3	-9.64	228	155	V
6	1.216	-71.93	RMS	29.9	-45.2	-15.6	11.8	.2	-90.83	-85.3	-5.53	295	155	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



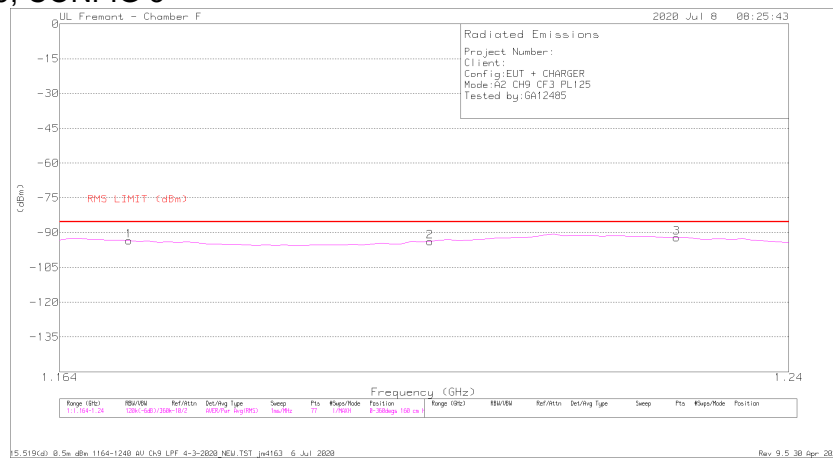
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T711 (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	1.167	-71.76	RMS	28.6	-45.4	-15.6	11.8	.1	-92.26	-85.3	-6.96	220	160	H
2	1.206	-73.62	RMS	29.6	-45.2	-15.6	11.8	.2	-92.82	-85.3	-7.52	110	160	H
3	1.228	-72.85	RMS	29.8	-45.4	-15.6	11.8	.2	-92.05	-85.3	-6.75	220	160	H
4	1.167	-72.35	RMS	28.6	-45.4	-15.6	11.8	.1	-92.85	-85.3	-7.55	229	155	V
5	1.21	-72.79	RMS	29.6	-45.3	-15.6	11.8	.2	-92.09	-85.3	-6.79	119	155	V
6	1.231	-72.6	RMS	29.8	-45.4	-15.6	11.8	.1	-91.9	-85.3	-6.6	229	155	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



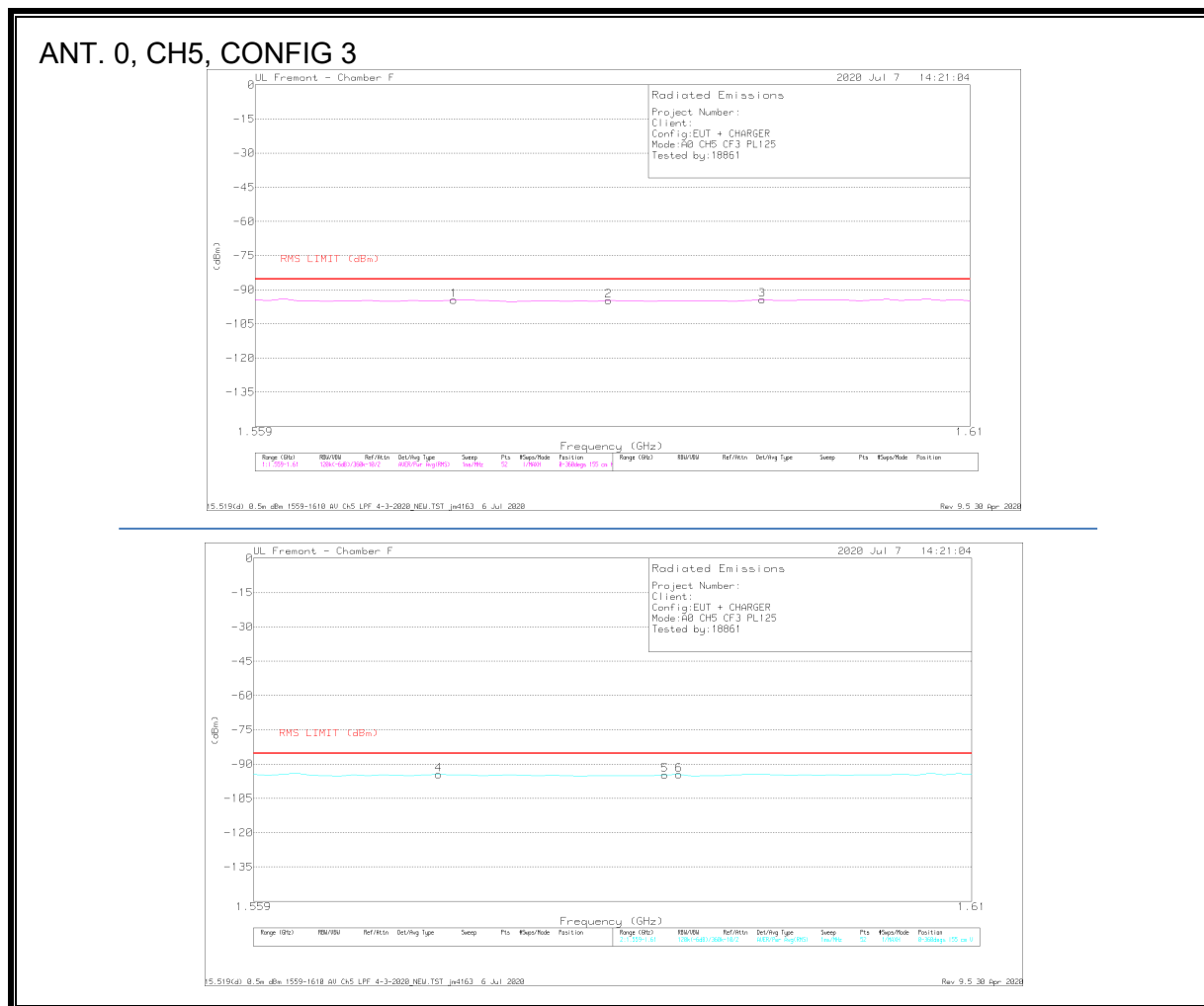
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF 1711 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9 LP Filter	EIRP (dBm)	FCC15.519(d) EIRP RMS (dBm)	Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	1.171	-72.99	RMS	28.6	-45.4	-15.6	11.8	.1	-93.49	-85.3	-8.19	1	160	H
2	1.202	-74.51	RMS	29.6	-45.1	-15.6	11.8	.1	-93.71	-85.3	-8.41	286	160	H
3	1.228	-72.9	RMS	29.8	-45.4	-15.6	11.8	.2	-92.1	-85.3	-6.8	220	160	H
4	1.172	-73.37	RMS	28.6	-45.4	-15.6	11.8	.1	-93.87	-85.3	-8.57	207	155	V
5	1.204	-74.13	RMS	29.6	-45.2	-15.6	11.8	.1	-93.43	-85.3	-8.13	53	155	V
6	1.229	-73.01	RMS	29.8	-45.4	-15.6	11.8	.1	-92.31	-85.3	-7.01	75	155	V

RMS - RMS detection

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

8.6.4. AVERAGE EMISSIONS, 1.559 – 1.610 GHz

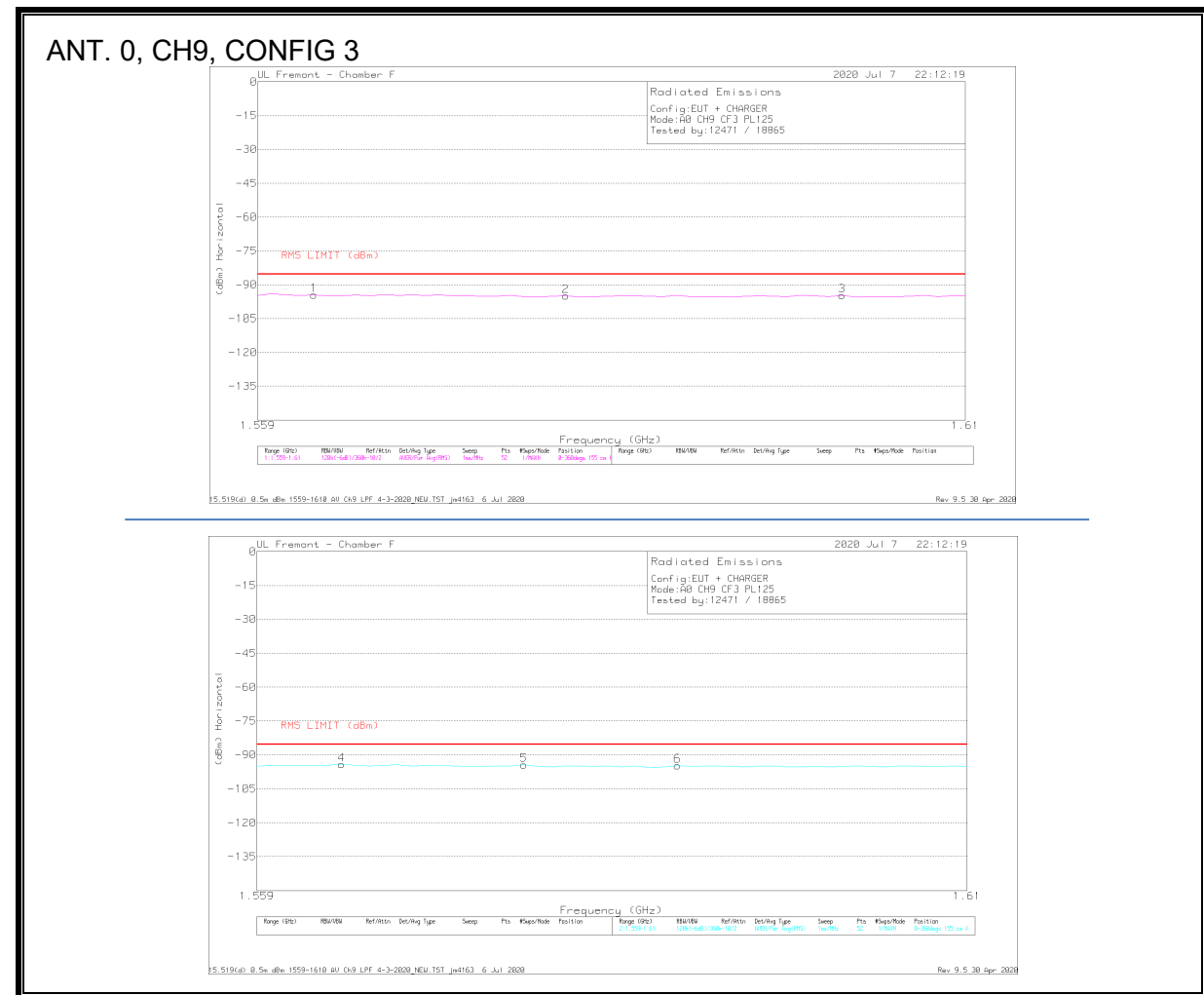


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T711 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH5 LP Filter	EIRP (dBm)	FCC15.119(d) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.573	-73.78	RMS	28	-45.2	-15.6	11.8	.2	-94.58	-85.3	-9.28	251	155	H
2	1.584	-73.79	RMS	27.9	-45.2	-15.6	11.8	.2	-94.69	-85.3	-9.39	141	155	H
3	1.595	-73.65	RMS	28	-45.2	-15.6	11.8	.3	-94.35	-85.3	-9.05	251	155	H
4	1.572	-73.77	RMS	28	-45.2	-15.6	11.8	.2	-94.57	-85.3	-9.27	220	155	V
5	1.588	-73.78	RMS	28	-45.3	-15.6	11.8	.2	-94.68	-85.3	-9.38	66	155	V
6	1.589	-73.6	RMS	28	-45.3	-15.6	11.8	.2	-94.5	-85.3	-9.2	131	155	V

RMS - RMS detection

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



Trace Markers

Marker	Frequency (GHz)	Meas Reading (dBm)	Det	AP 17711 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9 LP Filter	EIRP (dBm)	FC151519(dB)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.563	-73.55	RMS	27.9	-45.2	-15.6	11.8	2	-94.45	-85.3	-9.15	176	155	H
2	1.581	-73.95	RMS	27.9	-45.3	-15.6	11.8	2	-94.85	-85.3	-9.55	198	155	H
3	1.601	-73.83	RMS	28.8	-45.3	-15.6	11.8	2	-94.71	-85.3	-9.43	1	155	V
4	1.565	-73.31	RMS	27.9	-45.2	-15.6	11.8	2	-94.21	-85.3	-8.91	229	155	V
5	1.578	-73.46	RMS	28	-45.3	-15.6	11.8	2	-94.36	-85.3	-9.06	118	155	V
6	1.589	-73.74	RMS	28	-45.3	-15.6	11.8	2	-94.64	-85.3	-9.34	31	155	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



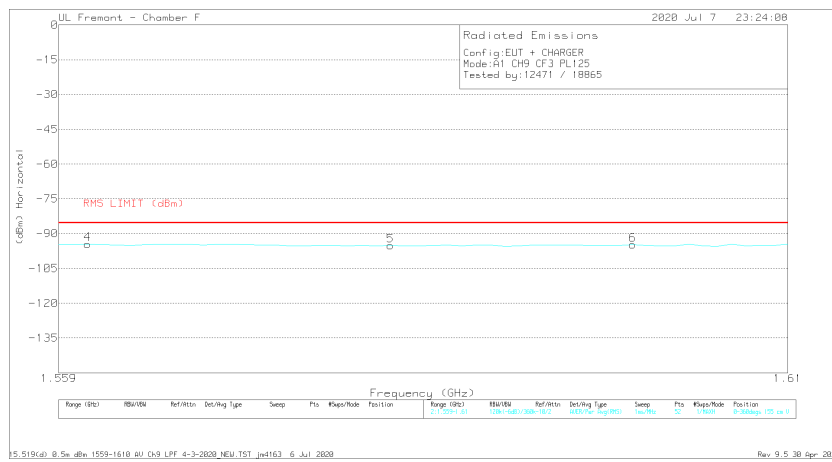
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T711 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH5 LP Filter	EIRP (dBm)	FCC15.119(d) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.571	-73.92	RMS	28	-45.2	-15.6	11.8	.2	-94.72	-85.3	-9.42	119	155	H
2	1.578	-73.62	RMS	28	-45.3	-15.6	11.8	.2	-94.52	-85.3	-9.22	53	155	H
3	1.603	-73.24	RMS	28	-45.3	-15.6	11.8	.2	-94.14	-85.3	-8.84	251	155	H
4	1.573	-73.87	RMS	28	-45.2	-15.6	11.8	.2	-94.67	-85.3	-9.37	21	155	V
5	1.594	-73.61	RMS	28	-45.2	-15.6	11.8	.3	-94.31	-85.3	-9.01	110	155	V
6	1.609	-73.36	RMS	28	-45.3	-15.6	11.8	.2	-94.26	-85.3	-8.96	154	155	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 (GHz)	Meter Reading (dBm)	Det	AF T711 (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	1.561	-73.19	RMS	27.9	-45.2	-15.6	11.8	.2	-94.09	-85.3	-8.79	118	155	H
2	1.584	-73.91	RMS	27.9	-45.2	-15.6	11.8	.2	-94.81	-85.3	-9.51	75	155	H
3	1.597	-74.21	RMS	28	-45.2	-15.6	11.8	.3	-94.91	-85.3	-9.61	141	155	H
4	1.561	-73.55	RMS	27.9	-45.2	-15.6	11.8	.2	-94.45	-85.3	-9.15	220	155	V
5	1.582	-74.26	RMS	27.9	-45.2	-15.6	11.8	.2	-95.16	-85.3	-9.86	198	155	V
6	1.599	-74.1	RMS	28	-45.2	-15.6	11.8	.3	-94.8	-85.3	-9.5	154	155	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 (GHz)	Meter Reading (dBm)	Det	AF T711 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH5 LP Filter	EIRP (dBm)	FCC15.119(d) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.566	-73.49	RMS	27.9	-45.2	-15.6	11.8	.2	-94.39	-85.3	-9.09	198	160	H
2	1.581	-74.15	RMS	27.9	-45.3	-15.6	11.8	.2	-95.15	-85.3	-9.85	220	160	H
3	1.604	-74.4	RMS	28	-45.3	-15.6	11.8	.2	-95.3	-85.3	-10	88	160	H
4	1.566	-73.51	RMS	27.9	-45.2	-15.6	11.8	.2	-94.41	-85.3	-9.11	62	155	V
5	1.582	-73.94	RMS	27.9	-45.2	-15.6	11.8	.2	-94.84	-85.3	-9.54	185	155	V
6	1.606	-74.4	RMS	28	-45.3	-15.6	11.8	.2	-95.3	-85.3	-10	163	155	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



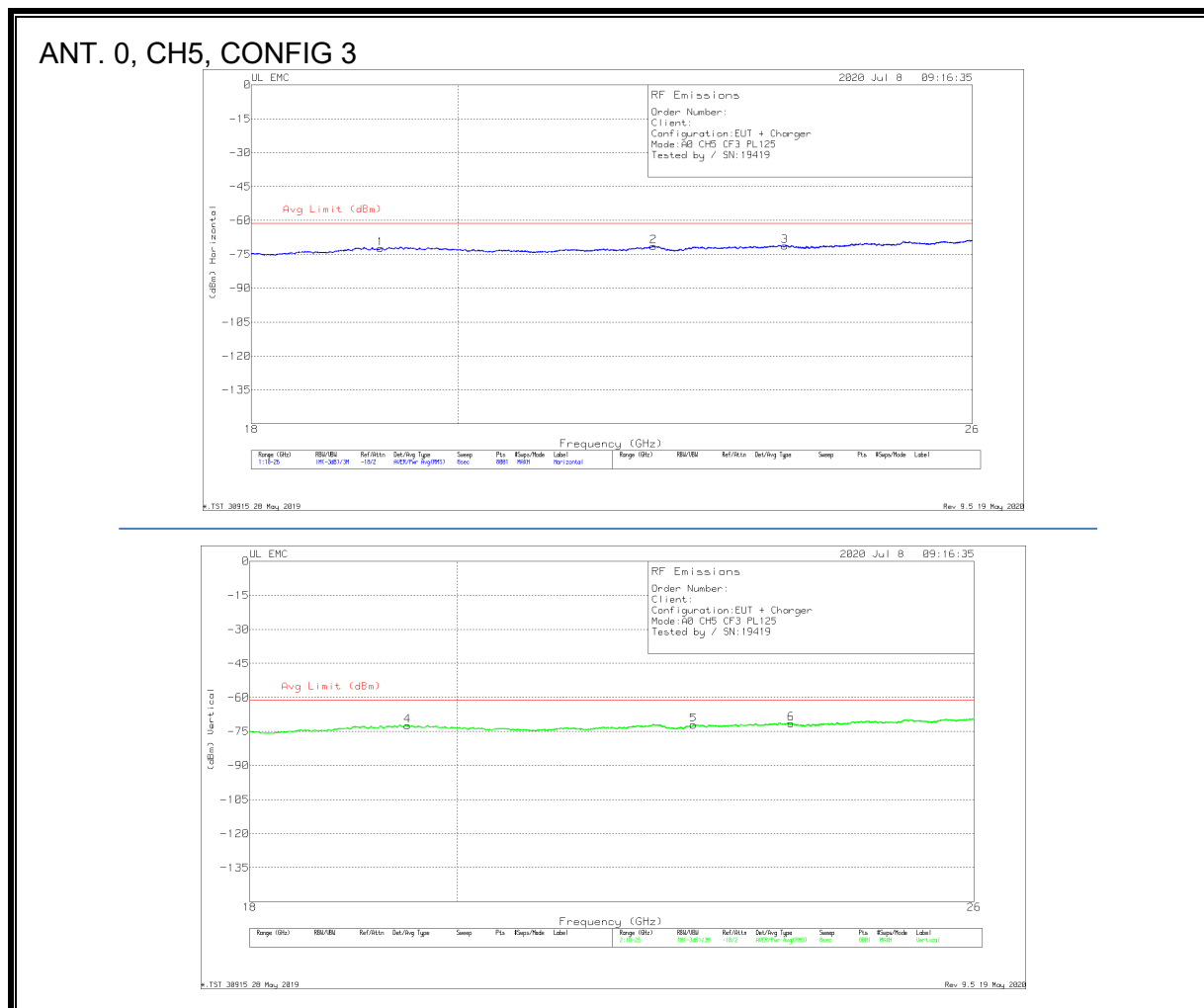
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T711 (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	1.561	-73.46	RMS	27.9	-45.2	-15.6	11.8	2	-94.36	-85.3	-9.06	198	155	H
2	1.58	-73.99	RMS	28	-45.3	-15.6	11.8	2	-94.89	-85.3	-9.59	198	155	H
3	1.596	-74.22	RMS	28	-45.2	-15.6	11.8	3	-94.92	-85.3	-9.62	22	155	H
4	1.563	-73.37	RMS	27.9	-45.2	-15.6	11.8	2	-94.27	-85.3	-8.97	360	155	V
5	1.582	-73.96	RMS	27.9	-45.2	-15.6	11.8	2	-94.86	-85.3	-9.56	228	155	V
6	1.599	-74.05	RMS	28	-45.2	-15.6	11.8	3	-94.75	-85.3	-9.45	339	155	V

RMS - RMS detection

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

8.6.5. AVERAGE EMISSIONS, 18 – 26 GHz

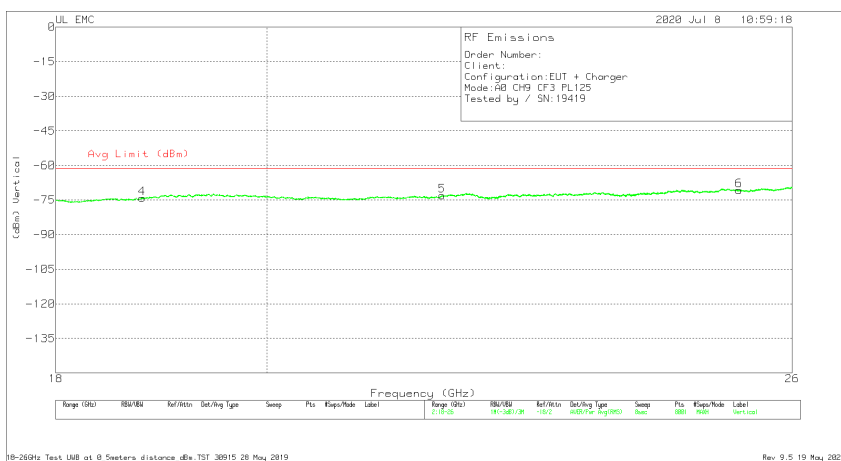
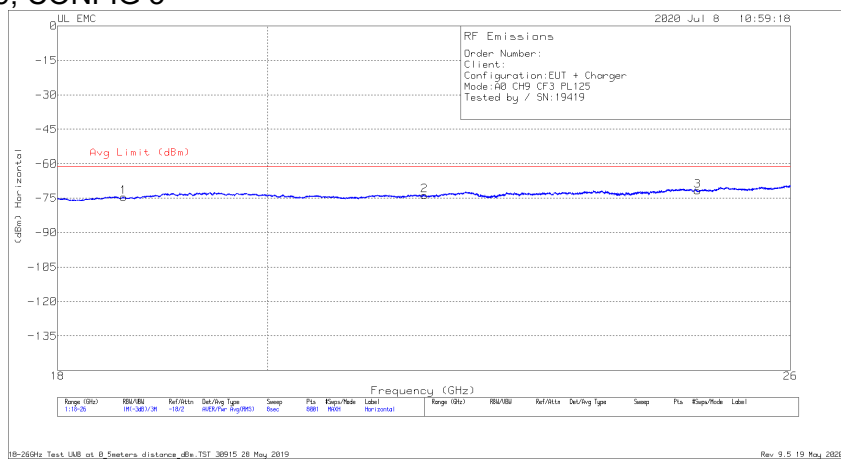


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	PRE0079280 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Conversion Factor (dB)	EIRP (dBm)	Avg Limit (dBm)	Margin (dB)
1	19.224	-81.96	RMS	32.8	-19.4	-15.6	11.8	-72.36	-61.3	-11.06
2	22.096	-81.07	RMS	33.4	-19.9	-15.6	11.8	-71.37	-61.3	-10.07
3	23.626	-81.24	RMS	33.7	-19.9	-15.6	11.8	-71.24	-61.3	-9.94
4	19.501	-82.24	RMS	32.8	-19.2	-15.6	11.8	-72.44	-61.3	-11.14
5	22.547	-81.83	RMS	33.4	-19.8	-15.6	11.8	-72.03	-61.3	-10.73
6	23.692	-81.63	RMS	33.8	-19.9	-15.6	11.8	-71.53	-61.3	-10.23

RMS - RMS detection

ANT. 0, CH9, CONFIG 3

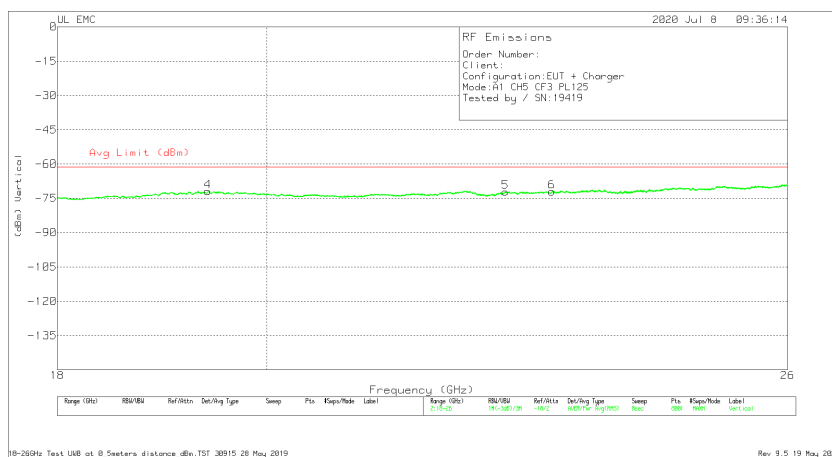
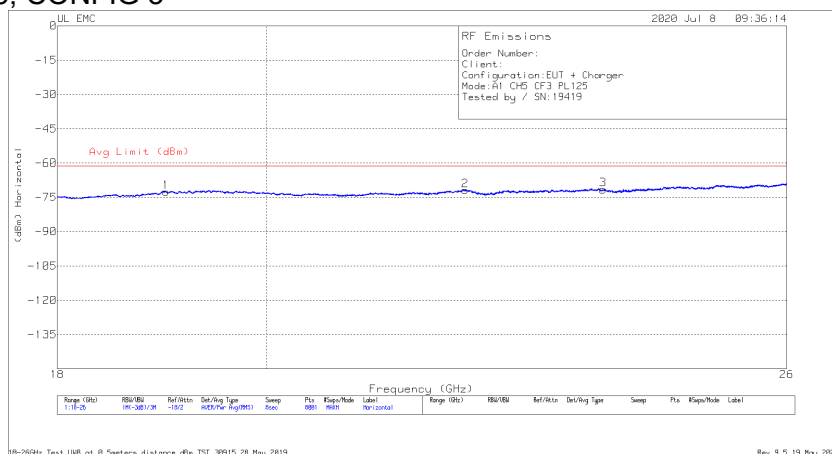


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	PRE0079280 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Conversion Factor (dB)	EIRP (dBm)	Avg Limit (dBm)	Margin (dB)
1	18.606	-82.23	RMS	32.5	-21	-15.6	11.8	-74.53	-61.3	-13.23
2	21.639	-82.49	RMS	33.2	-20.7	-15.6	11.8	-73.79	-61.3	-12.49
3	24.815	-82.8	RMS	34.1	-19.2	-15.6	11.8	-71.7	-61.3	-10.4
4	18.793	-82.31	RMS	32.5	-20.5	-15.6	11.8	-74.11	-61.3	-12.81
5	21.829	-81.75	RMS	33.3	-20.8	-15.6	11.8	-73.05	-61.3	-11.75
6	25.318	-81.13	RMS	34.2	-20	-15.6	11.8	-70.73	-61.3	-9.43

RMS - RMS detection

ANT. 1, CH5, CONFIG 3

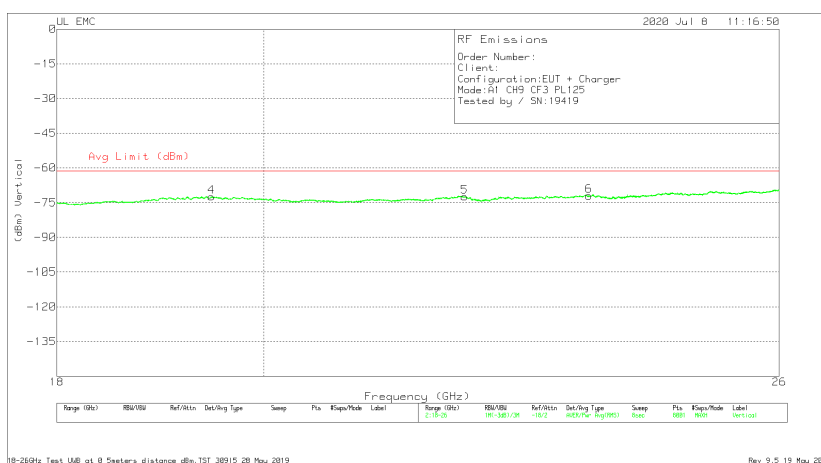
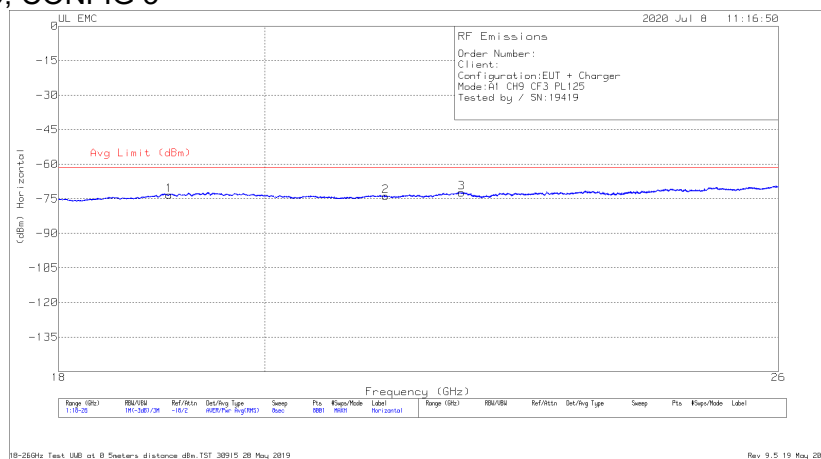


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	PRE0079280 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Conversion Factor (dB)	EIRP (dBm)	Avg Limit (dBm)	Margin (dB)
1	19.014	-81.68	RMS	32.7	-19.8	-15.6	11.8	-72.58	-61.3	-11.28
2	22.108	-81.49	RMS	33.4	-20	-15.6	11.8	-71.89	-61.3	-10.59
3	23.699	-81.75	RMS	33.8	-19.8	-15.6	11.8	-71.55	-61.3	-10.25
4	19.417	-82.09	RMS	32.6	-18.6	-15.6	11.8	-71.89	-61.3	-10.59
5	22.554	-82	RMS	33.4	-19.8	-15.6	11.8	-72.2	-61.3	-10.9
6	23.087	-81.83	RMS	33.6	-20	-15.6	11.8	-72.03	-61.3	-10.73

RMS - RMS detection

ANT. 1, CH9, CONFIG 3

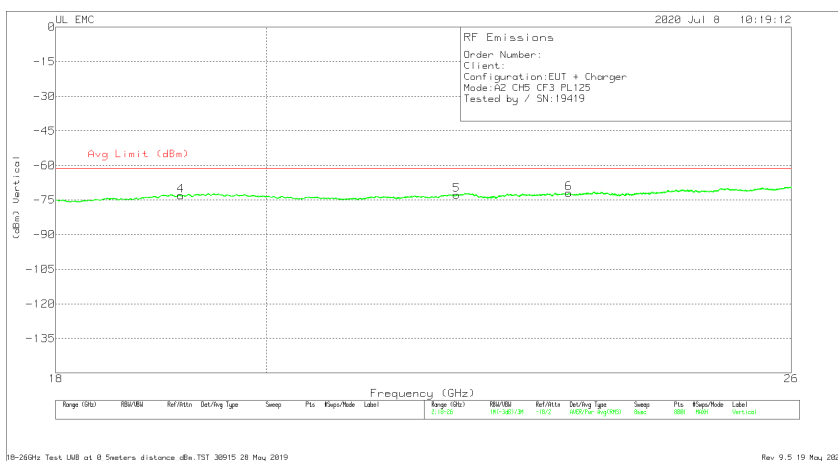
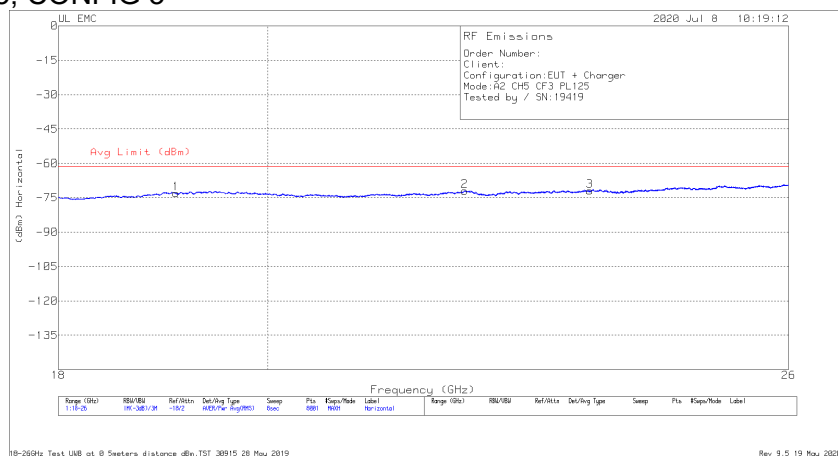


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	PRE0079280 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Conversion Factor (dB)	EIRP (dBm)	Avg Limit (dBm)	Margin (dB)
1	19.044	-82.18	RMS	32.7	-20	-15.6	11.8	-73.28	-61.3	-11.98
2	21.273	-81.69	RMS	32.9	-21.2	-15.6	11.8	-73.79	-61.3	-12.49
3	22.115	-81.8	RMS	33.4	-20.1	-15.6	11.8	-72.3	-61.3	-11
4	19.475	-82.42	RMS	32.8	-19	-15.6	11.8	-72.42	-61.3	-11.12
5	22.153	-81.81	RMS	33.4	-20.2	-15.6	11.8	-72.41	-61.3	-11.11
6	23.599	-81.93	RMS	33.7	-20	-15.6	11.8	-72.03	-61.3	-10.73

RMS - RMS detection

ANT. 2, CH5, CONFIG 3

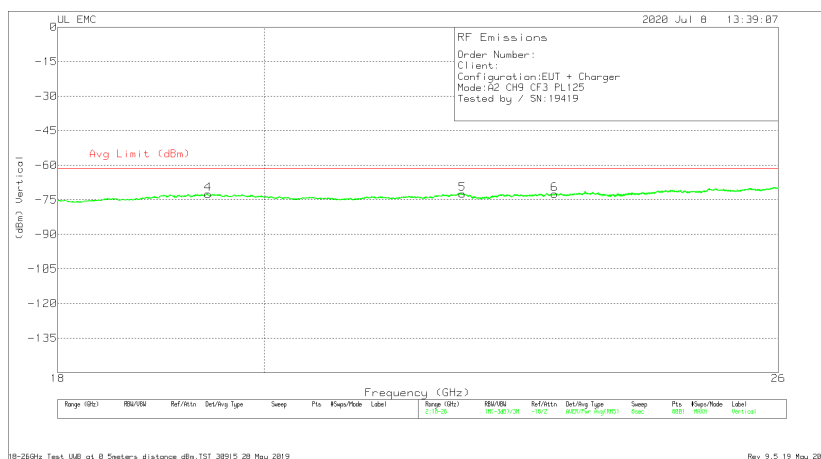
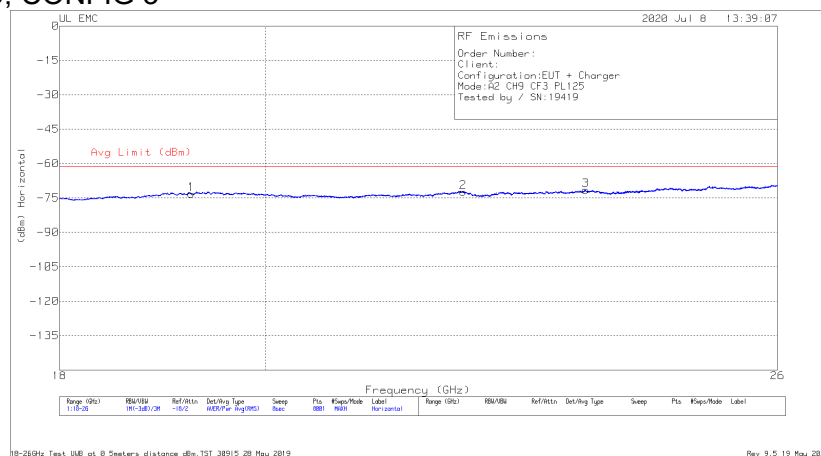


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	PRE0079280 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Conversion Factor (dB)	EIRP (dBm)	Avg Limit (dBm)	Margin (dB)
1	19.099	-81.94	RMS	32.6	-19.9	-15.6	11.8	-73.04	-61.3	-11.74
2	22.086	-81.72	RMS	33.4	-19.9	-15.6	11.8	-72.02	-61.3	-10.72
3	23.522	-81.94	RMS	33.9	-20.1	-15.6	11.8	-71.94	-61.3	-10.64
4	19.161	-82.38	RMS	32.7	-19.6	-15.6	11.8	-73.08	-61.3	-11.78
5	21.992	-81.99	RMS	33.4	-20.4	-15.6	11.8	-72.79	-61.3	-11.49
6	23.262	-81.76	RMS	33.7	-20.1	-15.6	11.8	-71.96	-61.3	-10.66

RMS - RMS detection

ANT. 2, CH9, CONFIG 3

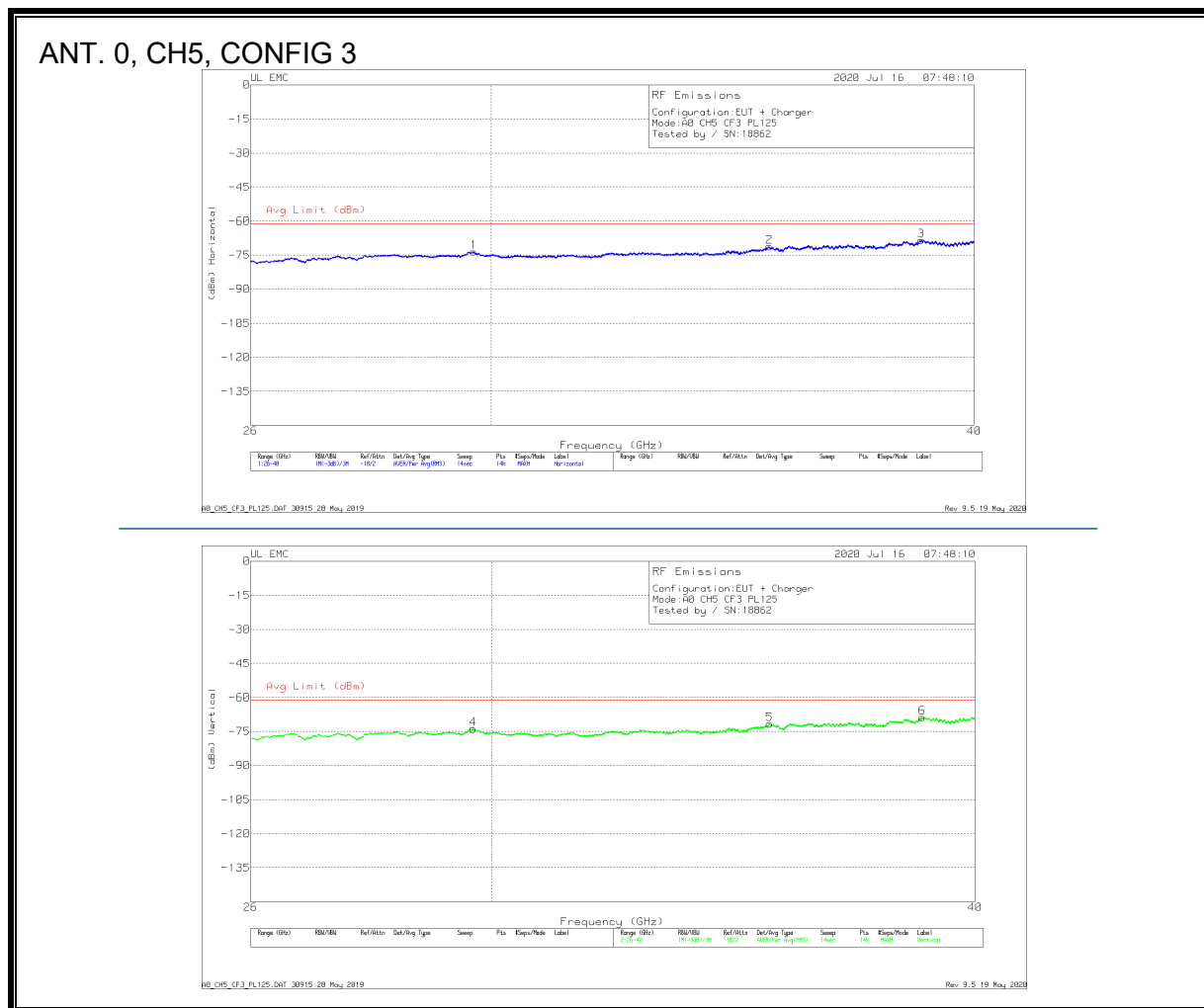


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	PRE0079280 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Conversion Factor (dB)	EIRP (dBm)	Avg Limit (dBm)	Margin (dB)
1	19.256	-82.85	RMS	32.7	-19.3	-15.6	11.8	-73.25	-61.3	-11.95
2	22.133	-81.75	RMS	33.4	-20.2	-15.6	11.8	-72.35	-61.3	-11.05
3	23.567	-81.81	RMS	33.8	-19.7	-15.6	11.8	-71.51	-61.3	-10.21
4	19.436	-82.59	RMS	32.7	-18.8	-15.6	11.8	-72.49	-61.3	-11.19
5	22.129	-81.79	RMS	33.4	-20.2	-15.6	11.8	-72.39	-61.3	-11.09
6	23.193	-82.2	RMS	33.7	-20.2	-15.6	11.8	-72.5	-61.3	-11.2

RMS - RMS detection

8.6.6. AVERAGE EMISSIONS, 26 – 40 GHz

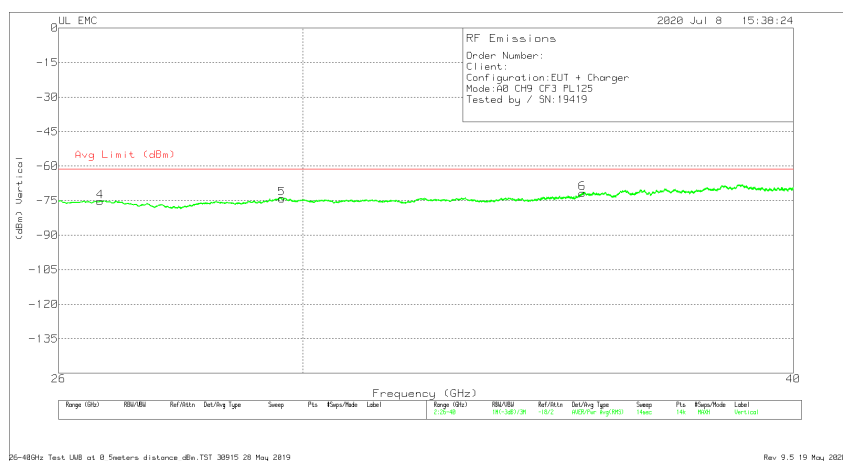
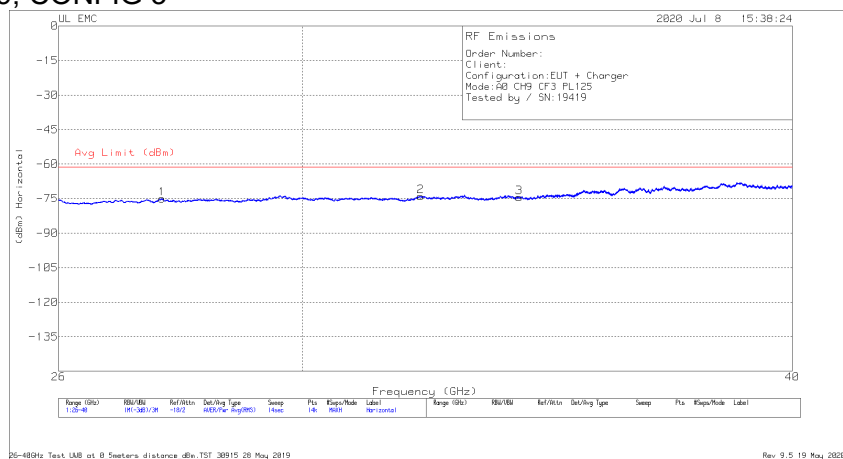


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	PRE0182203 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Conversion Factor (dB)	EIRP (dBm)	Avg Limit (dBm)	Margin (dB)
1	29.693	-79.91	RMS	37.5	-27.3	-15.6	11.8	-73.51	-61.3	-12.21
2	35.405	-78.69	RMS	37.8	-26.5	-15.6	11.8	-71.19	-61.3	-9.89
3	38.755	-77.87	RMS	38.2	-25	-15.6	11.8	-68.47	-61.3	-7.17
4	29.675	-80.12	RMS	37.5	-27.4	-15.6	11.8	-73.82	-61.3	-12.52
5	35.395	-79.29	RMS	37.8	-26.3	-15.6	11.8	-71.59	-61.3	-10.29
6	38.761	-78.06	RMS	38.2	-25.1	-15.6	11.8	-68.76	-61.3	-7.46

RMS - RMS detection

ANT. 0, CH9, CONFIG 3

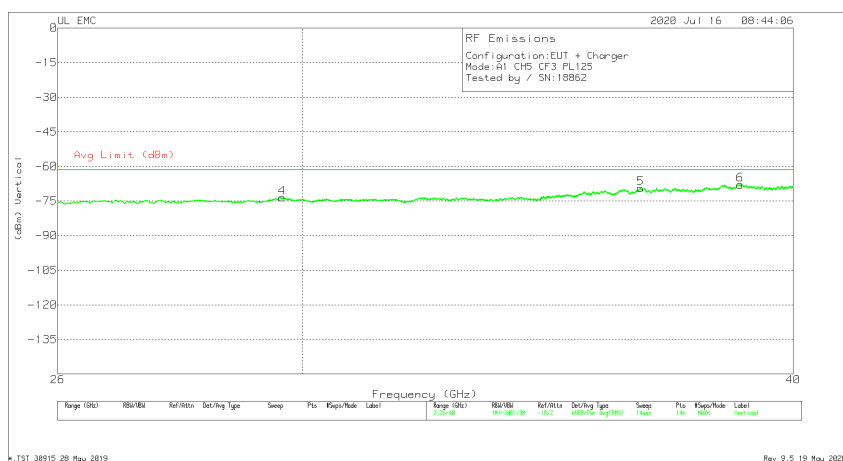
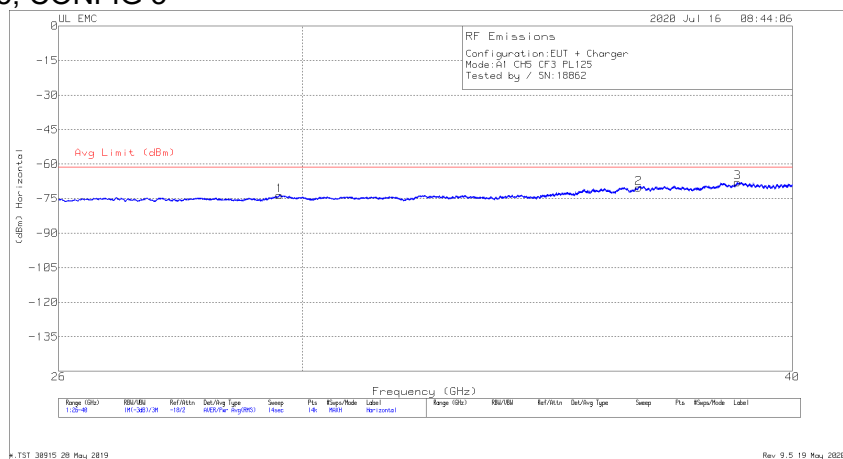


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	PRE0182203 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Conversion Factor (dB)	EIRP (dBm)	Avg Limit (dBm)	Margin (dB)
1	27.625	-78	RMS	35.8	-29	-15.6	11.8	-75	-61.3	-13.7
2	32.156	-79.22	RMS	37	-28	-15.6	11.8	-74.02	-61.3	-12.72
3	34.07	-80.52	RMS	37.3	-27.4	-15.6	11.8	-74.42	-61.3	-13.12
4	26.639	-76.46	RMS	35.9	-30.9	-15.6	11.8	-75.26	-61.3	-13.96
5	29.635	-80.18	RMS	37.4	-27.5	-15.6	11.8	-74.08	-61.3	-12.78
6	35.344	-78.61	RMS	37.5	-26.8	-15.6	11.8	-71.71	-61.3	-10.41

RMS - RMS detection

ANT. 1, CH5, CONFIG 3

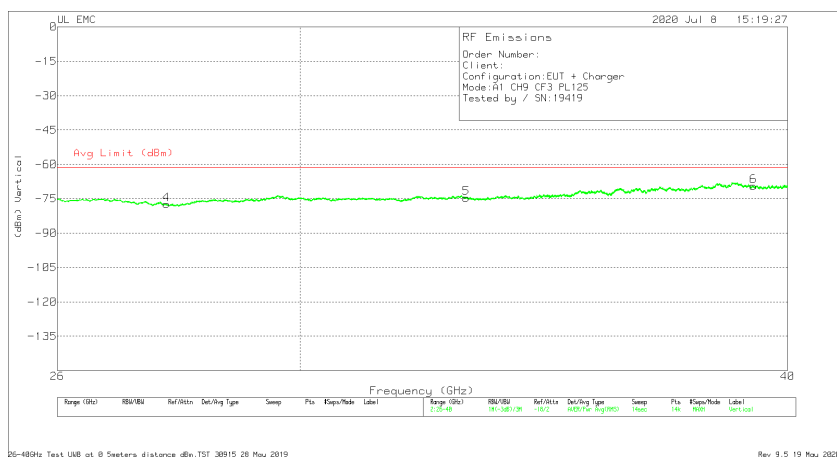
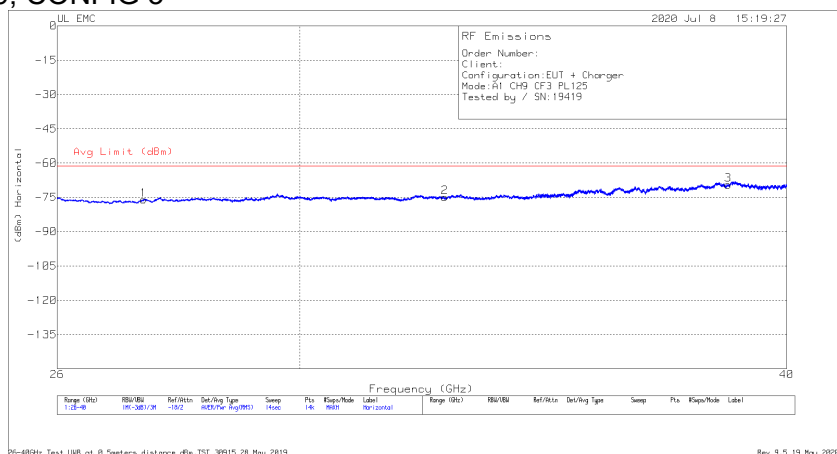


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	PRE0182203 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Conversion Factor (dB)	EIRP (dBm)	Avg Limit (dBm)	Margin (dB)
1	29.599	-79.85	RMS	37.3	-27.1	-15.6	11.8	-73.45	-61.3	-12.15
2	36.543	-78.16	RMS	37.6	-25.9	-15.6	11.8	-70.26	-61.3	-8.96
3	38.73	-77.6	RMS	38.2	-24.7	-15.6	11.8	-67.9	-61.3	-6.6
4	29.653	-79.63	RMS	37.4	-27.5	-15.6	11.8	-73.53	-61.3	-12.23
5	36.575	-77.86	RMS	37.6	-25.4	-15.6	11.8	-69.46	-61.3	-8.16
6	38.771	-77.22	RMS	38.3	-25.2	-15.6	11.8	-67.92	-61.3	-6.62

RMS - RMS detection

ANT. 1, CH9, CONFIG 3

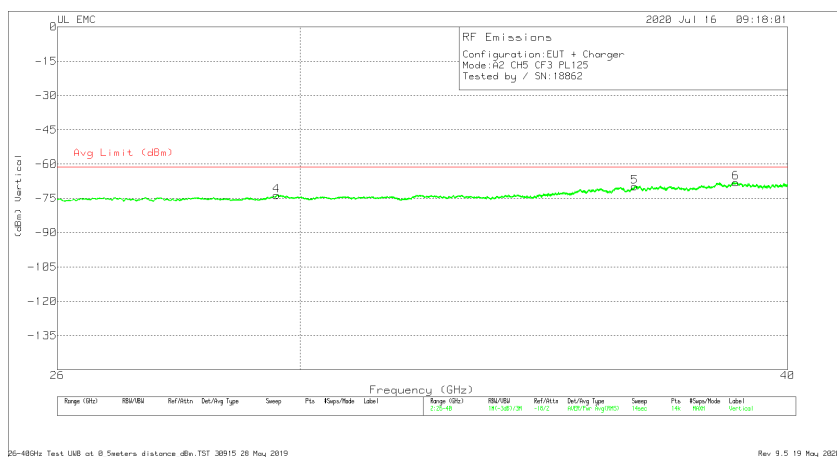
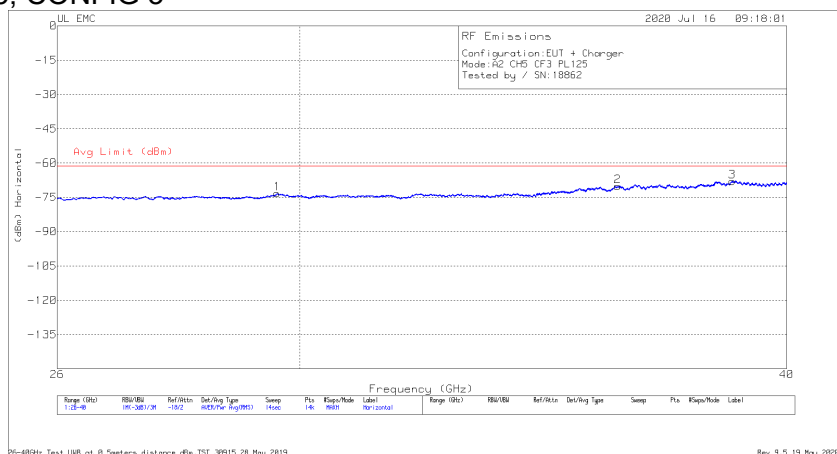


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	PRE0182203 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Conversion Factor (dB)	EIRP (dBm)	Avg Limit (dBm)	Margin (dB)
1	27.36	-78.06	RMS	35.7	-29.8	-15.6	11.8	-75.96	-61.3	-14.66
2	32.683	-80.07	RMS	36.9	-27.9	-15.6	11.8	-74.87	-61.3	-13.57
3	38.639	-79.08	RMS	38.3	-24.9	-15.6	11.8	-69.48	-61.3	-8.18
4	27.727	-80.35	RMS	35.8	-29	-15.6	11.8	-77.35	-61.3	-16.05
5	33.087	-79.78	RMS	36.8	-27.8	-15.6	11.8	-74.58	-61.3	-13.28
6	39.197	-79.12	RMS	38.3	-24.8	-15.6	11.8	-69.42	-61.3	-8.12

RMS - RMS detection

ANT. 2, CH5, CONFIG 3

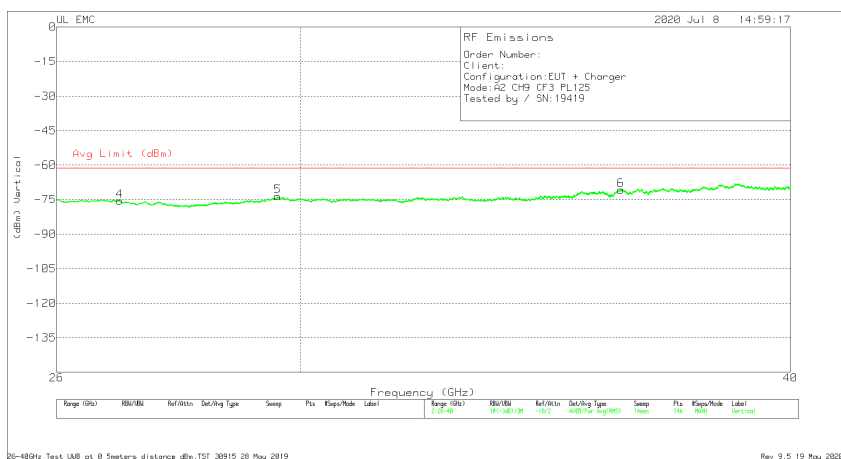
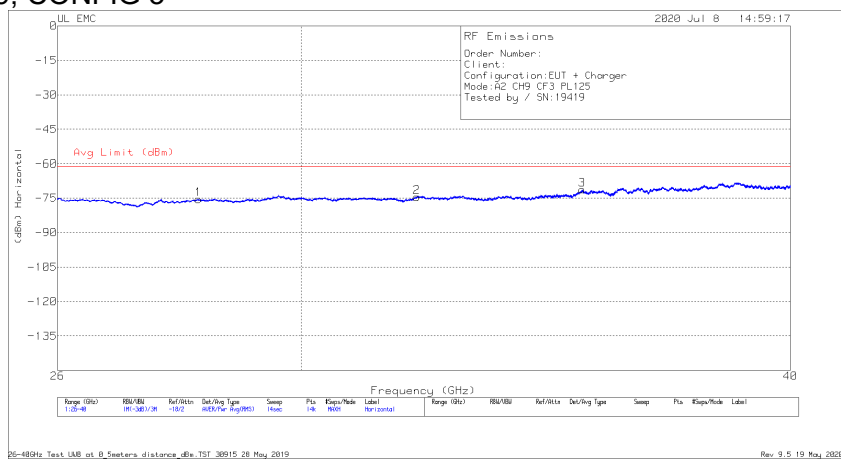


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	PRE0182203 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Conversion Factor (dB)	EIRP (dBm)	Avg Limit (dBm)	Margin (dB)
1	29.601	-79.68	RMS	37.3	-27.1	-15.6	11.8	-73.28	-61.3	-11.98
2	36.195	-77.73	RMS	37.6	-26.2	-15.6	11.8	-70.13	-61.3	-8.83
3	38.73	-77.65	RMS	38.2	-24.7	-15.6	11.8	-67.95	-61.3	-6.65
4	29.586	-79.78	RMS	37.2	-27.3	-15.6	11.8	-73.68	-61.3	-12.38
5	36.541	-77.64	RMS	37.6	-26	-15.6	11.8	-69.84	-61.3	-8.54
6	38.792	-77.48	RMS	38.3	-25.1	-15.6	11.8	-68.08	-61.3	-6.78

RMS - RMS detection

ANT. 2, CH9, CONFIG 3



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	PRE0182203 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Conversion Factor (dB)	EIRP (dBm)	Avg Limit (dBm)	Margin (dB)
1	28.244	-79.24	RMS	36.2	-28.6	-15.6	11.8	-75.44	-61.3	-14.14
2	32.113	-79.62	RMS	37	-28.1	-15.6	11.8	-74.52	-61.3	-13.22
3	35.388	-78.93	RMS	37.7	-26.2	-15.6	11.8	-71.23	-61.3	-9.93
4	26.981	-77.39	RMS	35.8	-30.1	-15.6	11.8	-75.49	-61.3	-14.19
5	29.603	-79.98	RMS	37.3	-27.1	-15.6	11.8	-73.58	-61.3	-12.28
6	36.208	-78.36	RMS	37.6	-26.2	-15.6	11.8	-70.76	-61.3	-9.46

RMS - RMS detection

8.7. 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.

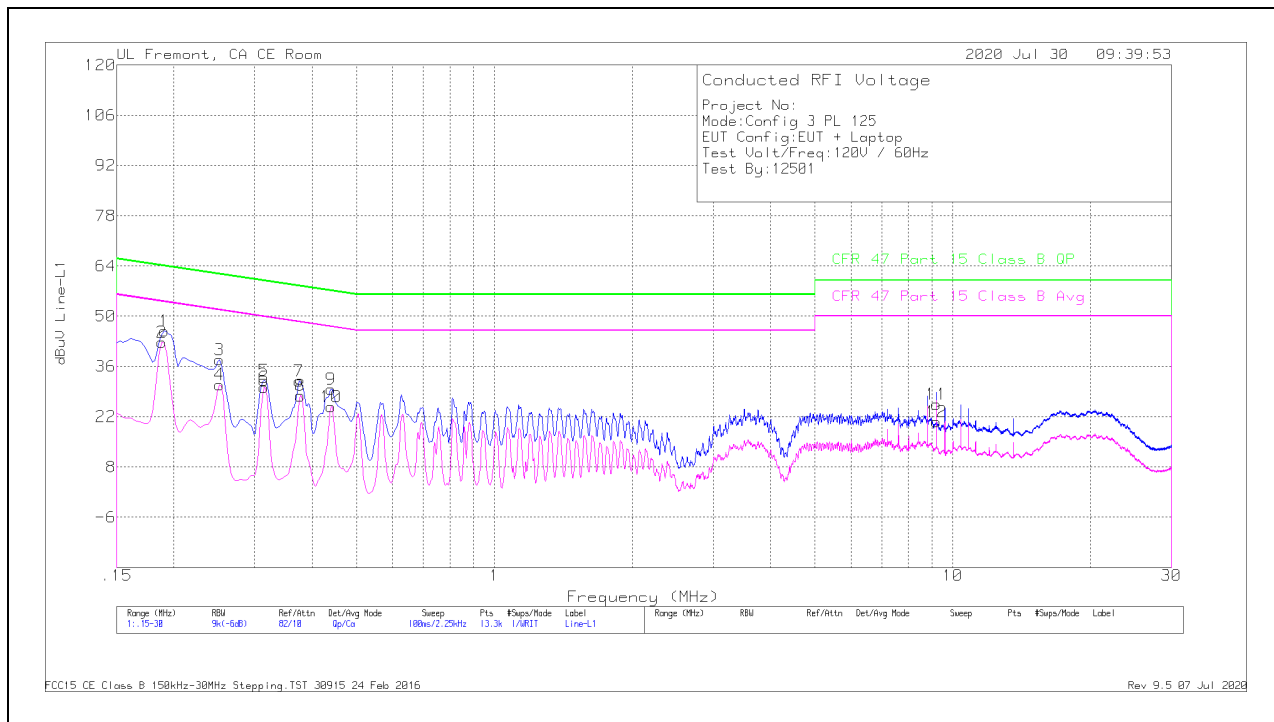
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

8.7.1. AC Power Line Host

LINE 1 RESULTS



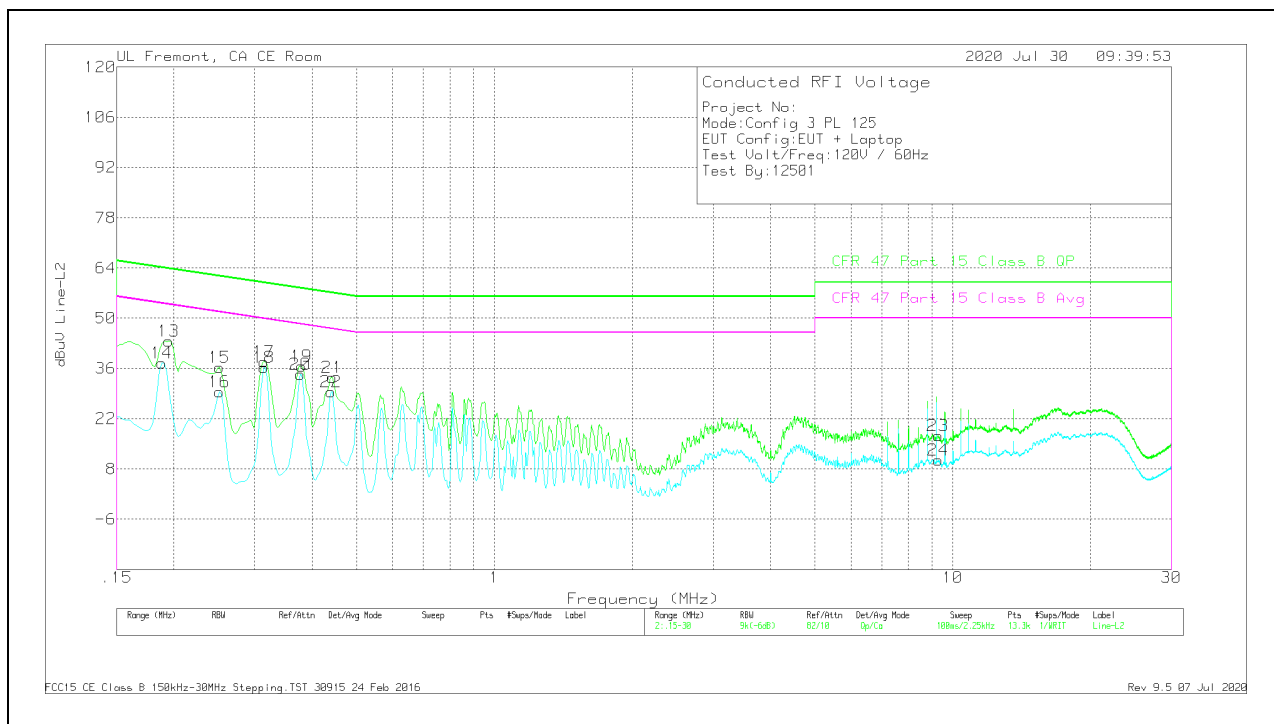
Range 1: Line-L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	PRE018644 6 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)M argin (dB)
1	.1905	35.88	Qp	0	0	10	45.88	64.01	-18.13	-	-
2	.18825	32.73	Ca	0	0	10	42.73	-	-	54.11	-11.38
3	.25125	27.8	Qp	0	0	10	37.8	61.72	-23.92	-	-
4	.25125	20.97	Ca	0	0	10	30.97	-	-	51.72	-20.75
5	.31425	22.1	Qp	0	0	10	32.1	59.86	-27.76	-	-
6	.31425	20.16	Ca	0	0	10	30.16	-	-	49.86	-19.7
7	.375	21.86	Qp	0	0	10	31.86	58.39	-26.53	-	-
8	.37725	17.84	Ca	0	0	10	27.84	-	-	48.34	-20.5
9	.44025	19.67	Qp	0	0	10	29.67	57.06	-27.39	-	-
10	.44025	14.81	Ca	0	0	10	24.81	-	-	47.06	-22.25
11	9.2175	15.14	Qp	0	.2	10.1	25.44	60	-34.56	-	-
12	9.2175	10.31	Ca	0	.2	10.1	20.61	-	-	50	-29.39

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS



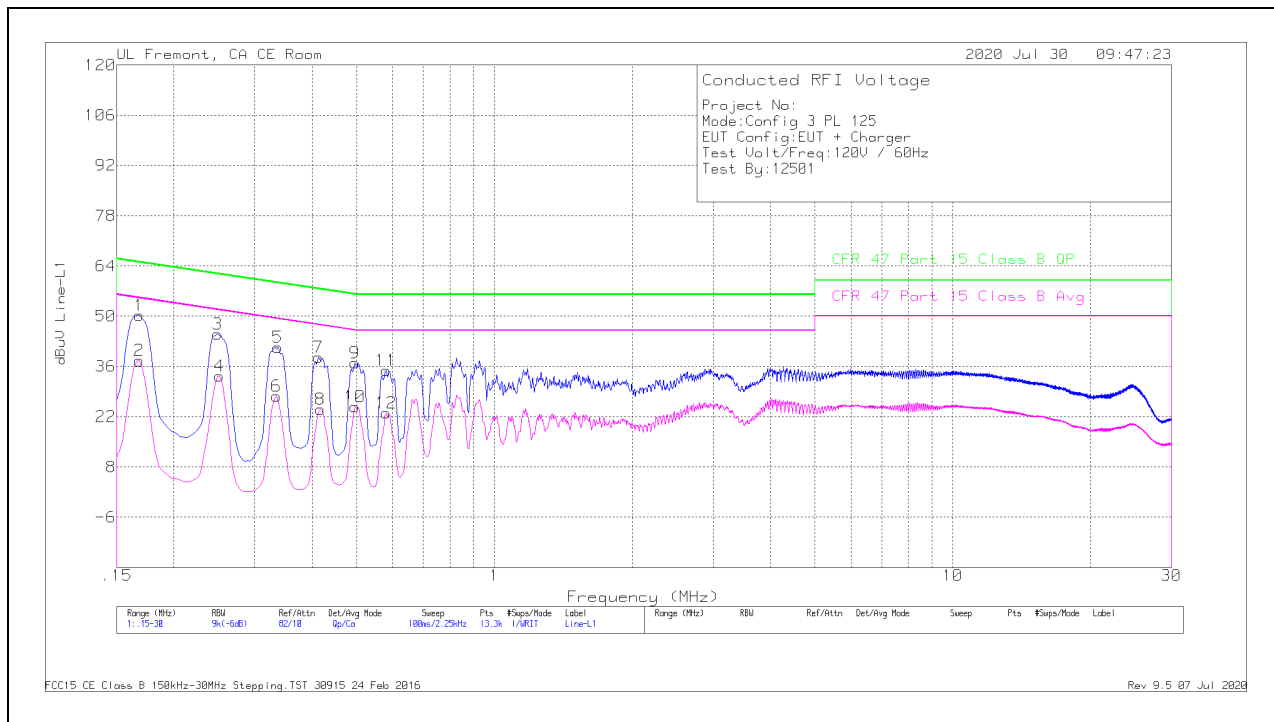
Range 2: Line-L2 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	PRE018644 6 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)M argin (dB)
13	.195	33.65	Qp	0	0	10	43.65	63.82	-20.17	-	-
14	.18825	27.58	Ca	0	0	10	37.58	-	-	54.11	-16.53
15	.25125	26.28	Qp	0	0	10	36.28	61.72	-25.44	-	-
16	.25125	19.52	Ca	0	0	10	29.52	-	-	51.72	-22.2
17	.31425	27.94	Qp	0	0	10	37.94	59.86	-21.92	-	-
18	.31425	26.27	Ca	0	0	10	36.27	-	-	49.86	-13.59
19	.3795	26.72	Qp	0	0	10	36.72	58.29	-21.57	-	-
20	.37725	24.35	Ca	0	0	10	34.35	-	-	48.34	-13.99
21	.4425	23.53	Qp	0	0	10	33.53	57.01	-23.48	-	-
22	.44025	19.56	Ca	0	0	10	29.56	-	-	47.06	-17.5
23	9.285	6.97	Qp	0	.2	10.1	17.27	60	-42.73	-	-
24	9.29175	.1	Ca	0	.2	10.1	10.4	-	-	50	-39.6

Qp - Quasi-Peak detector
Ca - CISPR average detection

8.7.2. AC Power Line Norm

LINE 1 RESULTS



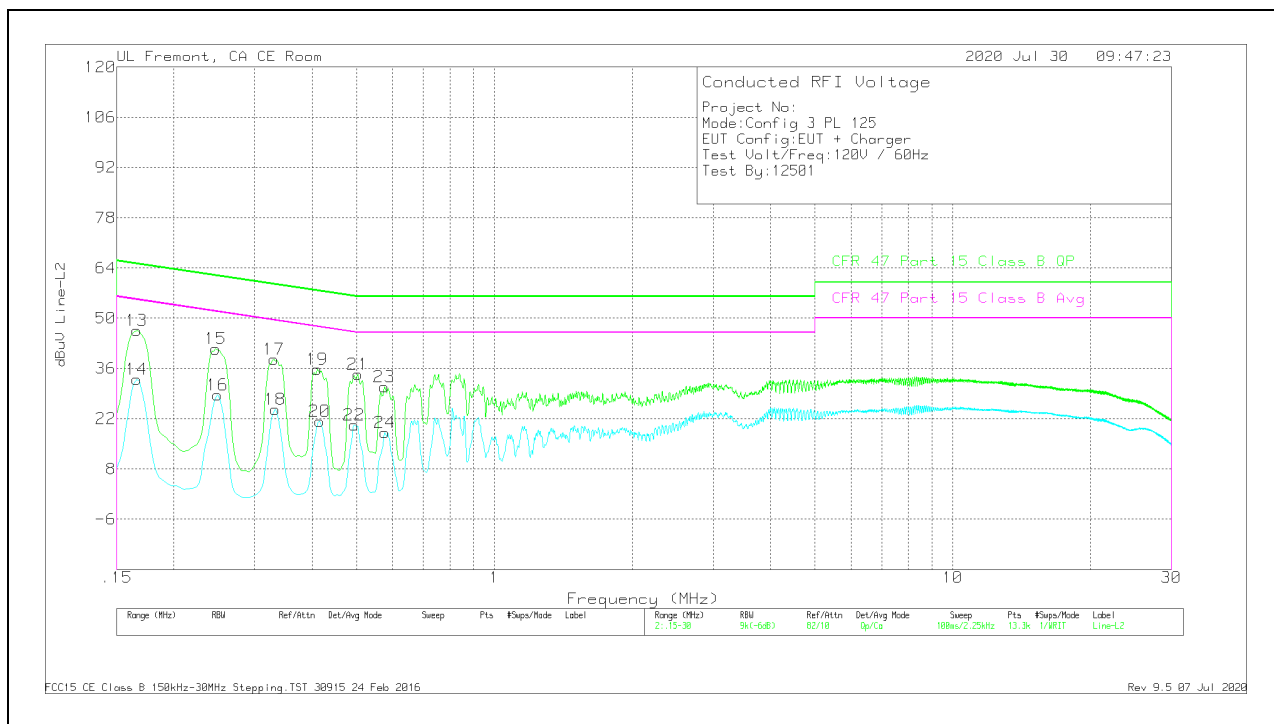
Range 1: Line-L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	PRE018644 6 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)M argin (dB)
1	.168	40.26	Qp	0	0	10	50.26	65.06	-14.8	-	-
2	.168	27.61	Ca	0	0	10	37.61	-	-	55.06	-17.45
3	.249	35.05	Qp	0	0	10	45.05	61.79	-16.74	-	-
4	.25125	23.38	Ca	0	0	10	33.38	-	-	51.72	-18.34
5	.33675	31.33	Qp	0	0	10	41.33	59.28	-17.95	-	-
6	.3345	17.75	Ca	0	0	10	27.75	-	-	49.34	-21.59
7	.41325	28.53	Qp	0	0	10	38.53	57.58	-19.05	-	-
8	.41775	14.12	Ca	0	0	10	24.12	-	-	47.49	-23.37
9	.4965	26.93	Qp	0	0	10	36.93	56.06	-19.13	-	-
10	.4965	14.85	Ca	0	0	10	24.85	-	-	46.06	-21.21
11	.57975	24.92	Qp	0	0	10	34.92	56	-21.08	-	-
12	.57975	12.99	Ca	0	0	10	22.99	-	-	46	-23.01

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	PRE018644 6 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)M argin (dB)
13	.16575	36.52	Qp	0	0	10	46.52	65.17	-18.65	-	-
14	.16575	23.03	Ca	0	0	10	33.03	-	-	55.17	-22.14
15	.24675	31.45	Qp	0	0	10	41.45	61.87	-20.42	-	-
16	.249	18.59	Ca	0	0	10	28.59	-	-	51.79	-23.2
17	.33	28.51	Qp	0	0	10	38.51	59.45	-20.94	-	-
18	.33225	14.66	Ca	0	0	10	24.66	-	-	49.39	-24.73
19	.411	25.8	Qp	0	0	10	35.8	57.63	-21.83	-	-
20	.4155	11.22	Ca	0	0	10	21.22	-	-	47.54	-26.32
21	.50325	24.3	Qp	0	0	10	34.3	56	-21.7	-	-
22	.49425	10.22	Ca	0	0	10	20.22	-	-	46.1	-25.88
23	.57525	20.9	Qp	0	0	10	30.9	56	-25.1	-	-
24	.5775	8.21	Ca	0	0	10	18.21	-	-	46	-27.79

Qp - Quasi-Peak detector
Ca - CISPR average detection

END OF REPORT

9. SETUP PHOTOS

Please refer to 13179116-EP2V1 for setup photos.