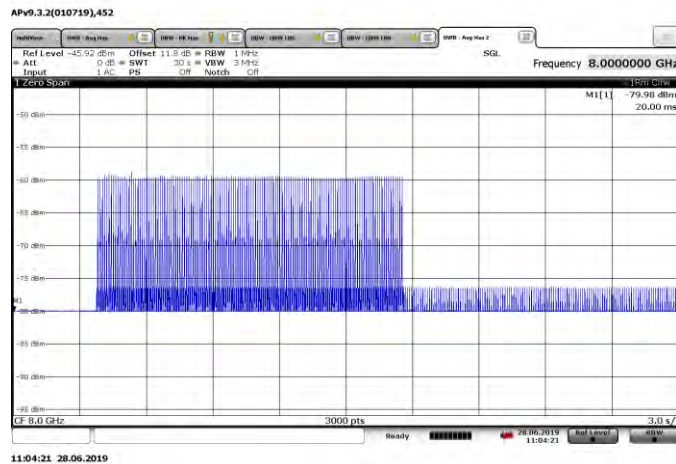


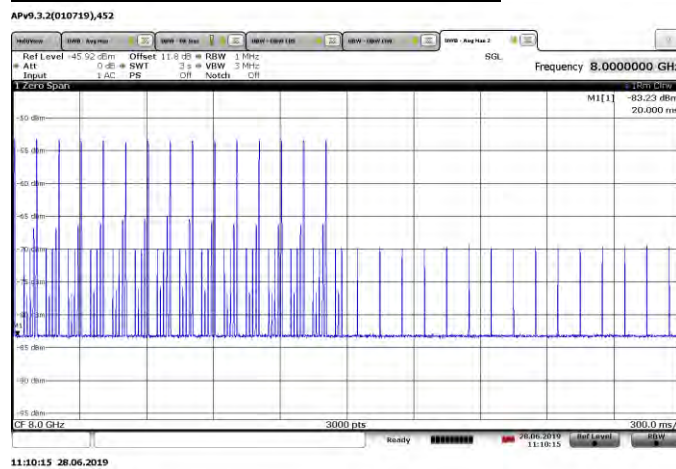
Case 2: EUT ends the UWB link



RESULT

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

Zoom-in Plot during On-Off Transition



RESULT

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

8.4. AVERAGE EMISSIONS

LIMIT

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

15.209 (a)

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

15.519 (3)(c)

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

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

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

TEST PROCEDURE

ANSI C63.10 Clause 10.2 and 10.3.

PROCEDURE FOR 9 kHz TO 960 MHz

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

PROCEDURE FOR 960 MHz TO 6 GHz

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

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

RESULTS FOR 6 GHz TO 9 GHz

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

PROCEDURE FOR 9 GHz TO 18 GHz

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

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

PROCEDURE FOR 1.164 TO 1.240 GHz

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

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

PROCEDURE FOR 1.559 – 1.610 GHz

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

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

PROCEDURE FOR 18 GHz TO 40 GHz

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

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

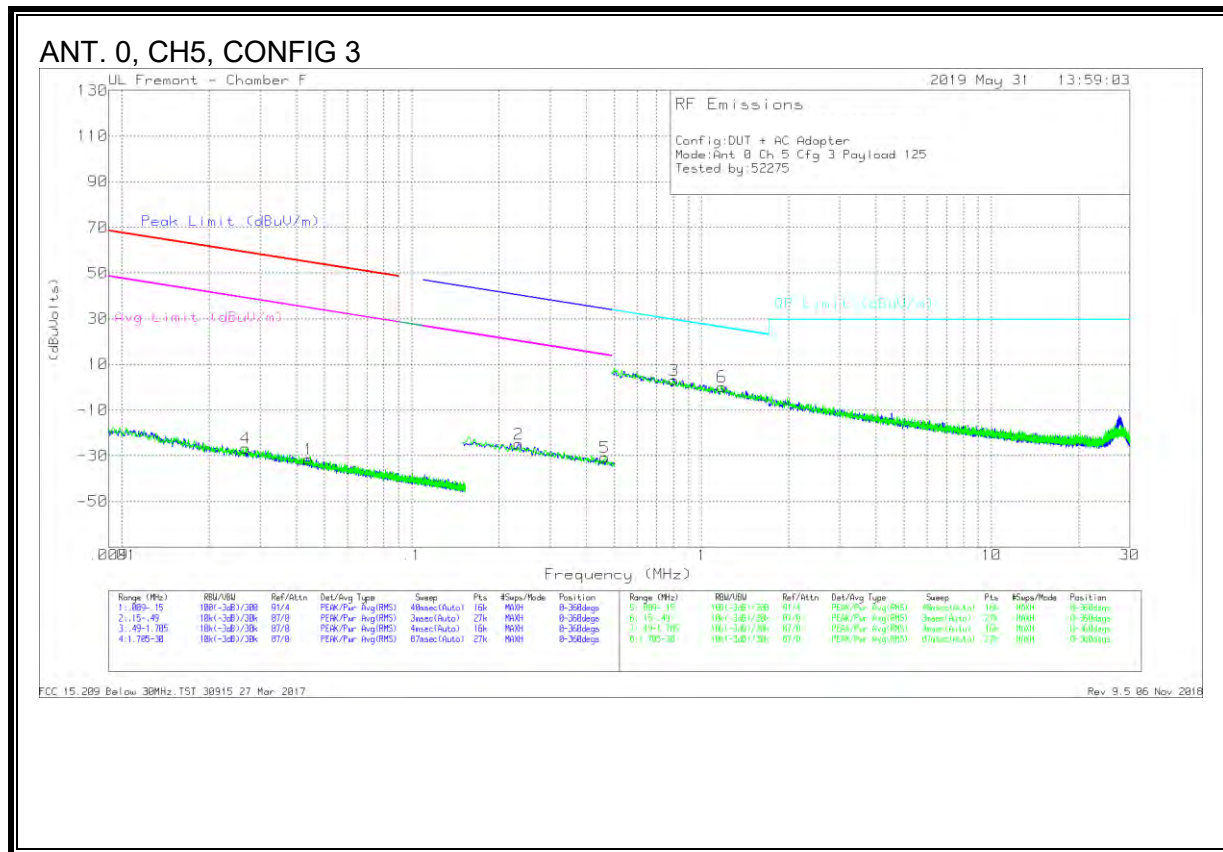
Distance Correction Factor from 3m to 0.5m = $20 \cdot \log(0.5\text{m}/3\text{m}) = -15.56 \text{ dB}$

RESULTS

AVERAGE Emissions Summary

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

8.4.1. AVERAGE EMISSIONS, 9 kHz – 30 MHz



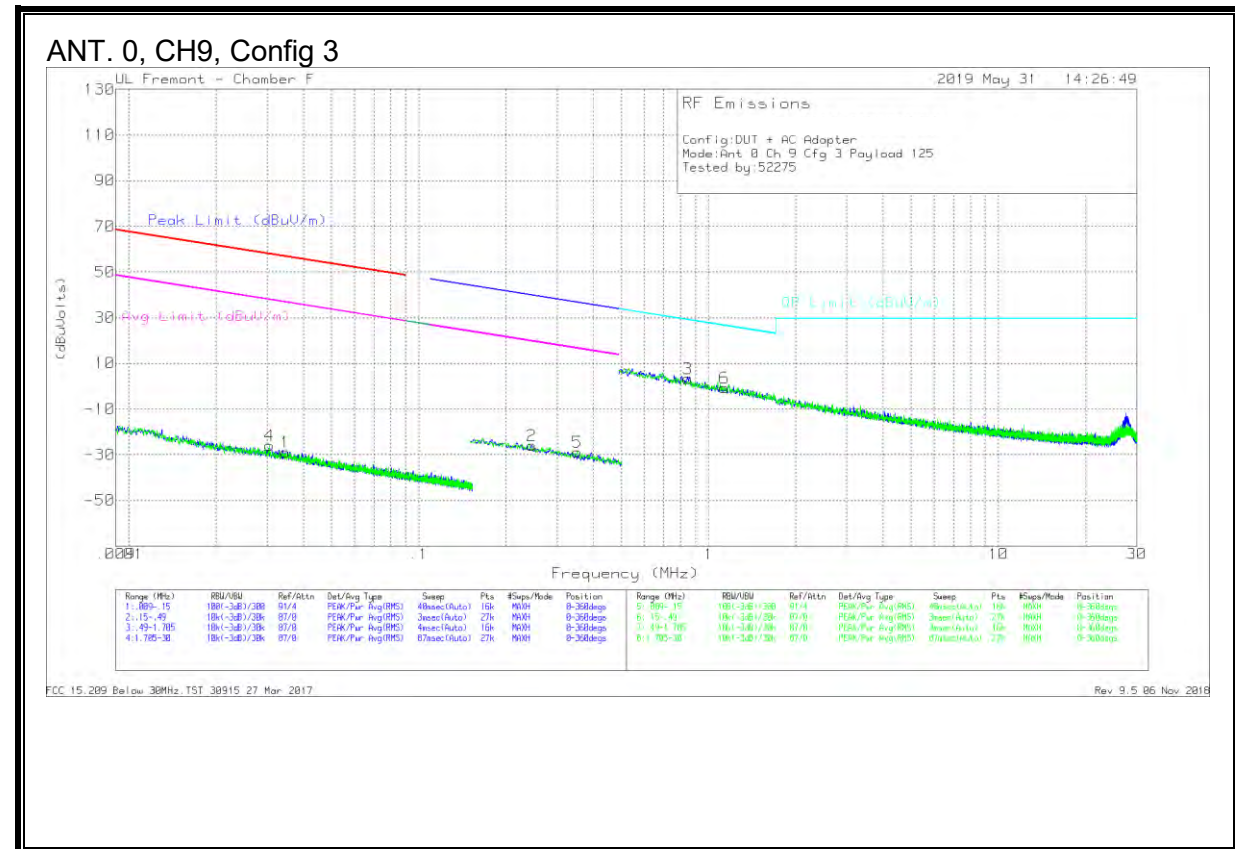
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cables (dB)	Dist Corr 300m	EIRP (dBuVolts)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	.0441	36.15	Pk	12.4	0	-80	-31.45	54.7	-86.15	34.7	-86.15	-	-	-	-	0-360
2	23401	44.44	Pk	10.7	.1	-80	-24.76	-	-	40.23	-84.99	20.23	-44.99	-	-	0-360
4	.02675	39.17	Pk	14	0	-80	-26.83	59.04	-85.87	39.04	-65.87	-	-	-	-	0-360
5	.46355	38.52	Pk	10.6	.1	-80	-30.78	-	-	-	-	34.28	-65.06	14.28	-45.06	0-360

Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cables (dB)	Dist Corr (dB) 40Log	EIRP (dBuVolts)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
3	.80384	32.27	Pk	10.6	.1	-40	2.97	29.51	-26.54	0-360
6	1.17647	29.54	Pk	10.6	.1	-40	.24	26.21	-25.97	0-360

Pk - Peak detector



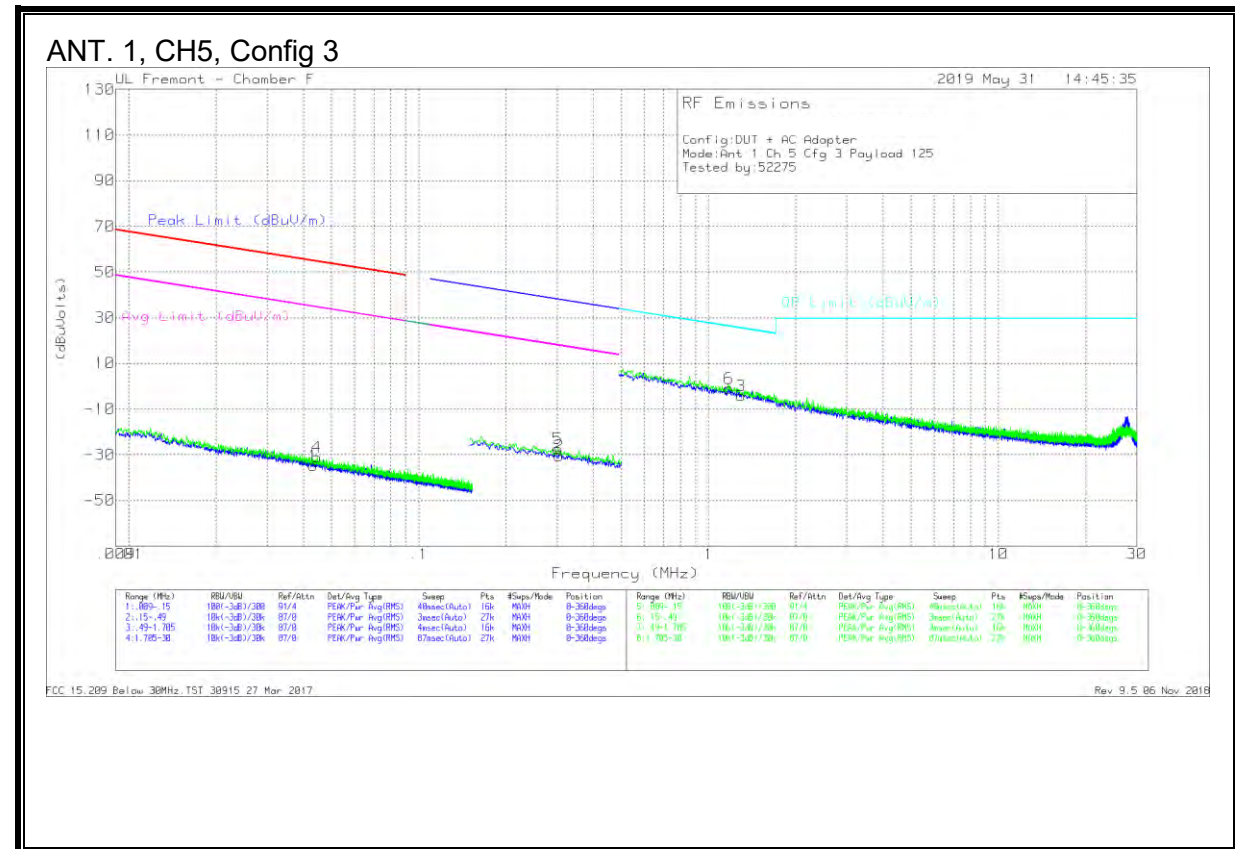
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cables (dB)	Dist Corr 300m	EIRP (dBuVolts)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	0.03469	37.94	Pk	13.3	0	-80	-28.76	56.78	-85.54	36.78	-65.54	-	-	-	-	0-360
2	0.24526	43.2	Pk	10.7	-1	-80	-26	-	-	-	-	39.82	-65.82	19.82	-45.82	0-360
4	0.0306	40.49	Pk	13.6	0	-80	-25.91	57.87	-83.78	37.87	-63.78	-	-	-	-	0-360
5	0.3525	40.45	Pk	10.7	-1	-80	-28.75	-	-	-	-	36.67	-65.42	16.67	-45.42	0-360

Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cables (dB)	Dist Corr (dB) 40Log	EIRP (dBuVolts)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
3	0.8488	32.59	Pk	10.6	-1	-40	3.29	29.04	-25.75	0-360
6	1.13402	28.6	Pk	10.6	-1	-40	-7	26.53	-27.23	0-360

Pk - Peak detector



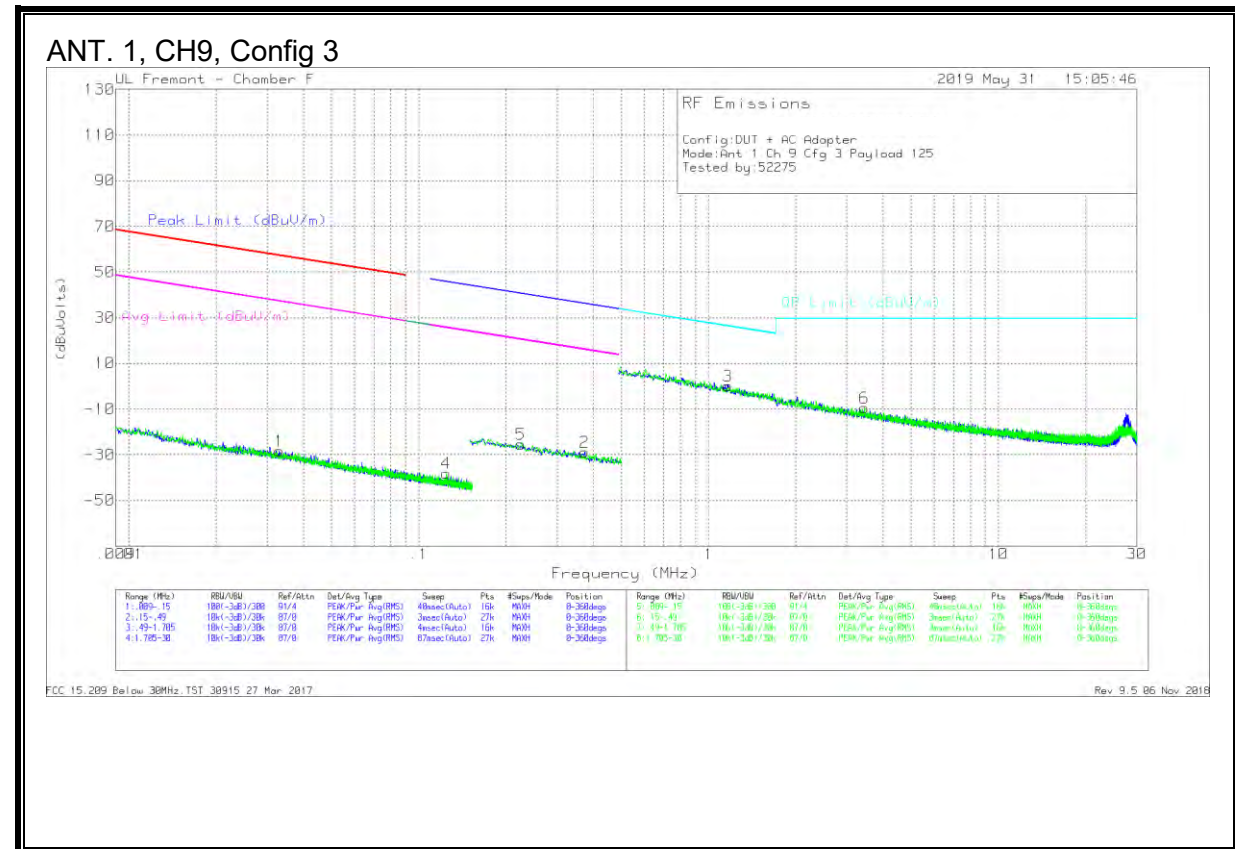
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dBm)	Cables (dB)	Dist Corr 300m	EIRP (dBuV/mts)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	04334	32.76	Pk	12.5	0	-80	-34.74	54.85	-89.59	34.85	-69.59	-	-	-	-	0-360
2	30491	38.86	Pk	10.7	.1	-80	-30.34	-	-	-	-	37.93	-68.27	17.93	-48.27	0-360
4	04459	36.57	Pk	12.4	0	-80	-31.03	54.6	-85.63	34.6	-65.63	-	-	-	-	0-360
5	30211	41.96	Pk	10.7	.1	-80	-27.24	-	-	-	-	38.01	-65.25	18.01	-45.25	0-360

Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dBm)	Cables (dB)	Dist Corr (dB) 40Log	EIRP (dBuVolts)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
3	1.29454	25.22	Pk	10.6	.1	-40	-4.08	25.39	-29.47	0-360
6	1.17552	28.23	Pk	10.6	.1	-40	-1.07	26.22	-27.29	0-360

Pk - Peak detector



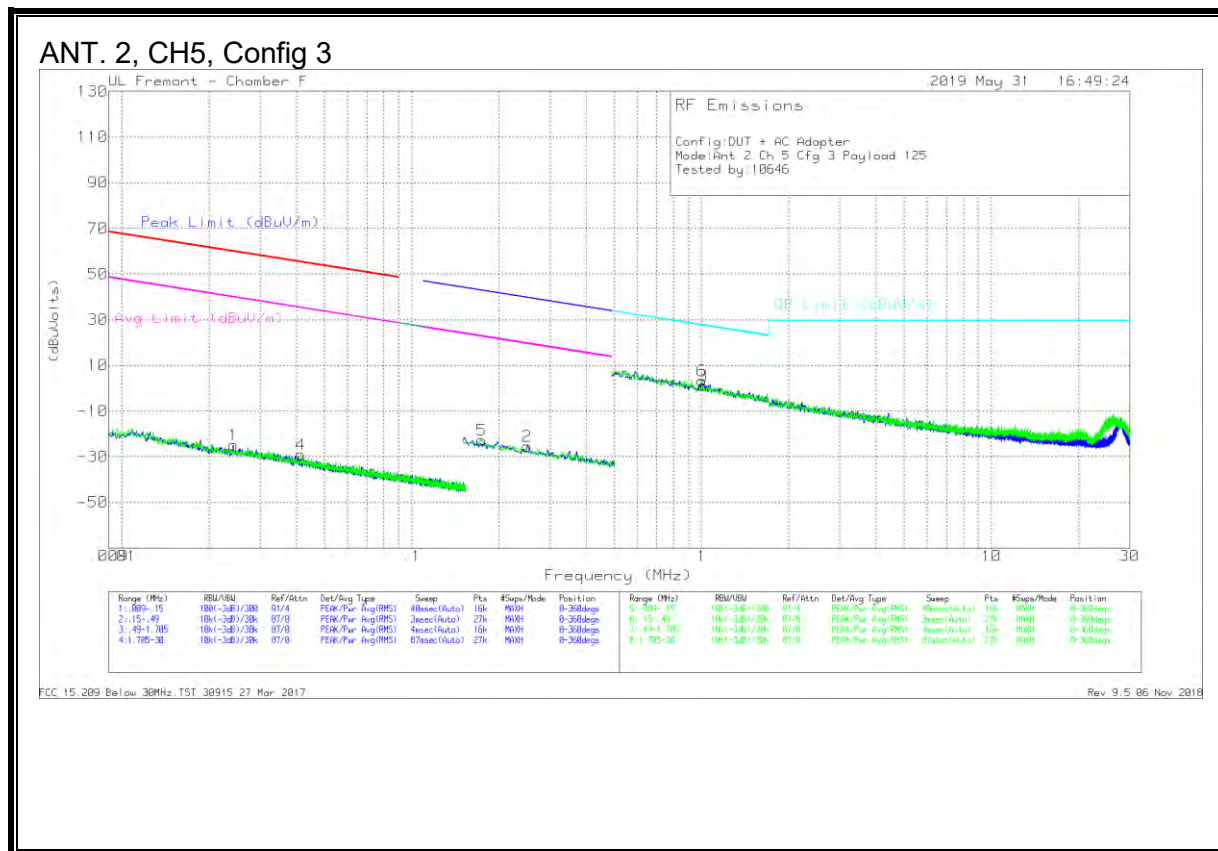
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cables (dB)	Dist Corr 300m	EIRP (dBuV oltts)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	03301	38.32	Pk	13.4	0	-80	-28.28	57.21	-85.49	37.21	-65.49	-	-	-	-	0-360
2	37346	40.27	Pk	10.7	-1	-80	-28.93	-	-	-	-	36.16	-65.09	16.16	-45.09	0-360
4	12469	30.81	Pk	11	0	-80	-38.19	-	-	-	-	45.71	-83.9	25.71	-63.9	0-360
5	22515	43.69	Pk	10.7	.1	-80	-25.51	-	-	-	-	40.57	-66.08	20.57	-46.08	0-360

Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cables (dB)	Dist Corr (dB) 40Log	EIRP (dBuV oltts)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
3	1.1642	29.5	Pk	10.6	.1	-40	2	26.3	-26.1	0-360
6	3.45097	19.72	Pk	10.7	.2	-40	-9.38	29.5	-38.88	0-360

Pk - Peak detector



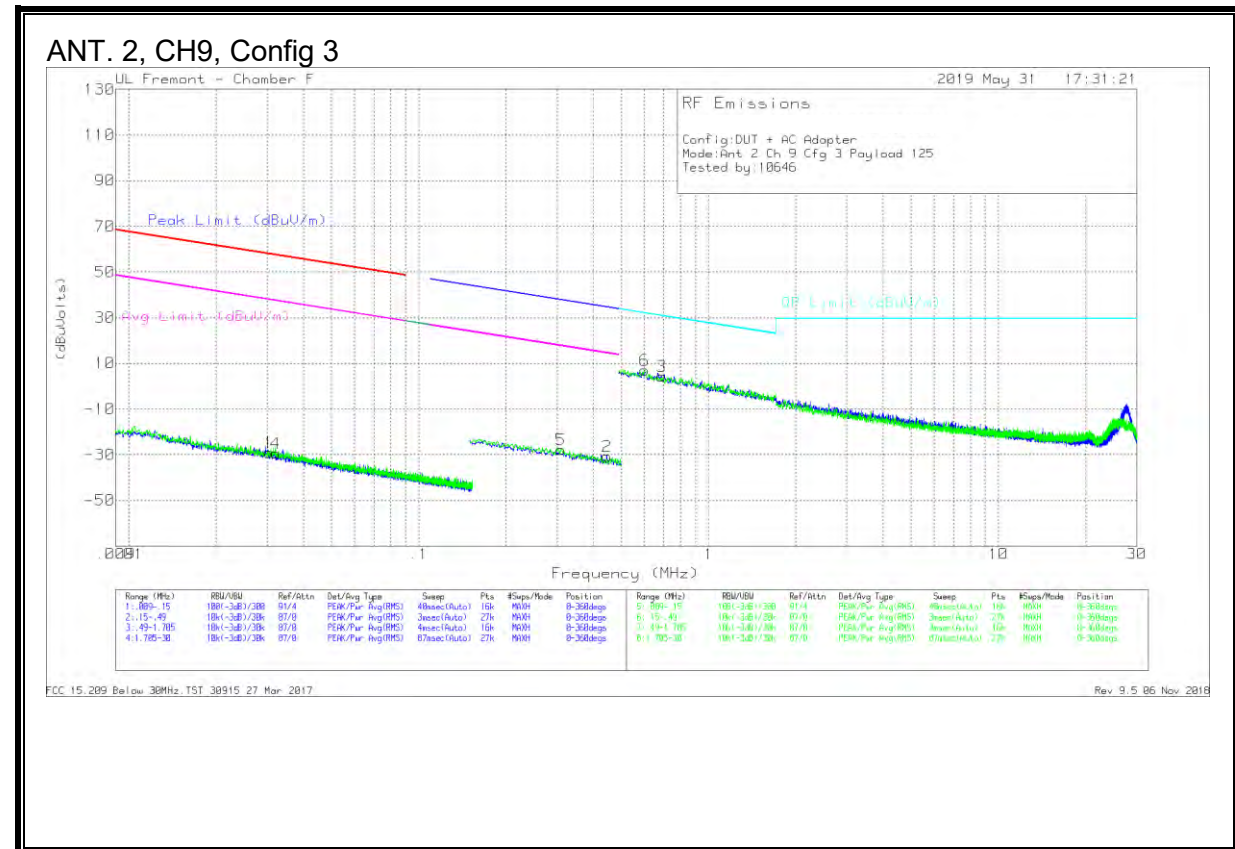
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cables (dB)	Dist Corr 300m	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	.02425	41.02	Pk	14.2	0	-80	-24.78	50.89	-84.67	39.89	-84.67	-	-	-	-	0-360
2	.25041	43.88	Pk	10.7	.1	-80	-25.32	-	-	39.64	-84.96	19.64	-44.96	-	-	0-360
4	.04154	38.28	Pk	12.7	0	-80	-29.02	55.21	-84.23	35.21	-84.23	-	-	-	-	0-360
5	.17449	46.32	Pk	10.8	.1	-80	-22.78	-	-	-	-	42.79	-65.57	22.79	-45.57	0-360

Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cables (dB)	Dist Corr (dB) 40Log	Corrected Reading (dBuVolts)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
3	1.01349	30.52	Pk	10.6	.1	-40	1.22	27.51	-26.29	0-360
6	1.00441	32.64	Pk	10.6	.1	-40	3.34	27.58	-24.24	0-360

Pk - Peak detector



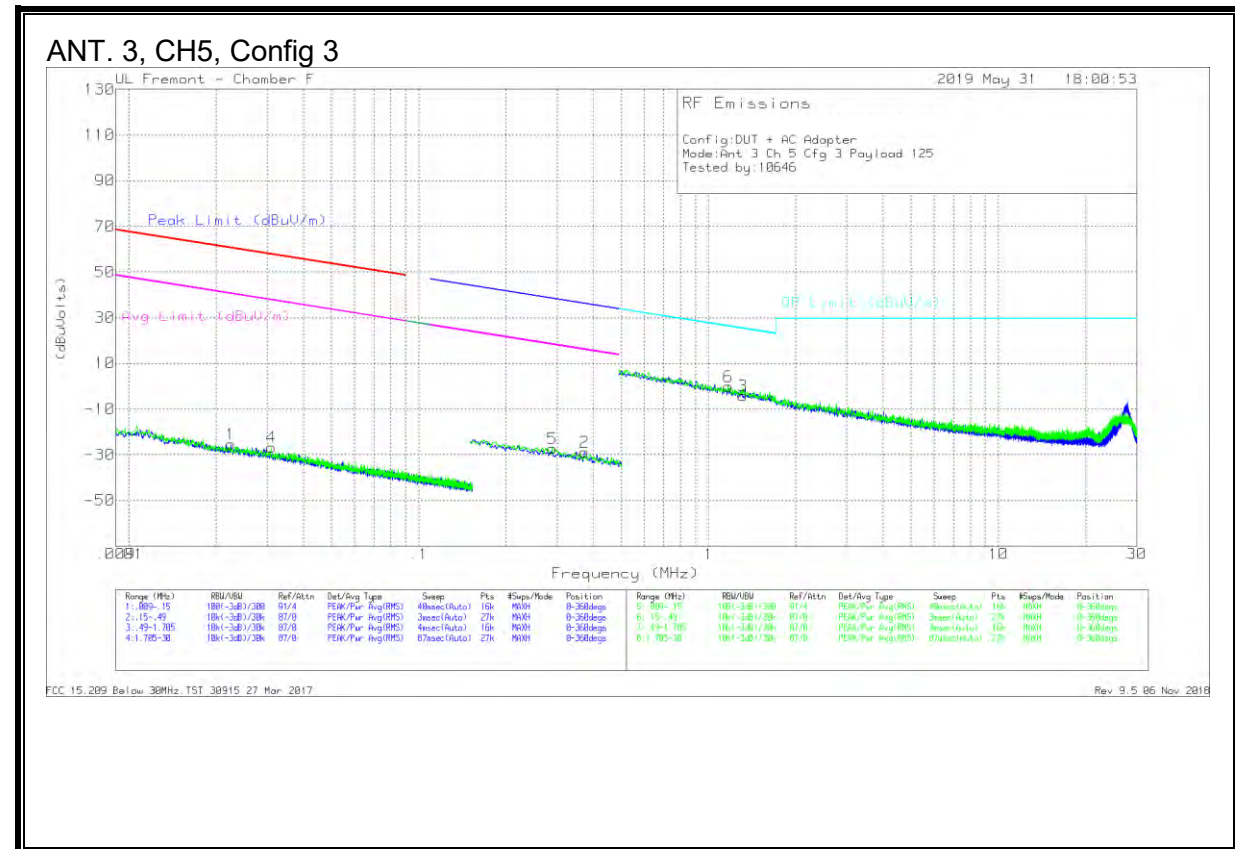
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dBm)	Cables (dB)	Dist Corr 300m	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	.03043	37.17	Pk	13.7	0	-80	-29.13	57.92	-87.05	37.92	-67.05	-	-	-	-	0-360
2	.44617	38.56	Pk	10.6	.1	-80	-30.74	-	-	-	-	34.62	-66.36	14.62	-45.36	0-360
4	.03218	37.09	Pk	13.5	0	-80	-29.41	57.43	-86.84	37.43	-66.84	-	-	-	-	0-360
5	.30954	41.45	Pk	10.7	.1	-80	-27.75	-	-	-	-	37.8	-66.55	17.8	-45.55	0-360

Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dBm)	Cables (dB)	Dist Corr (dB) 40Log	Corrected Reading (dBuVolts)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
3	.68787	33.7	Pk	10.6	.1	-40	4.4	30.86	-26.46	0-360
6	.60248	36.39	Pk	10.6	.1	-40	7.09	32.01	-24.92	0-360

Pk - Peak detector



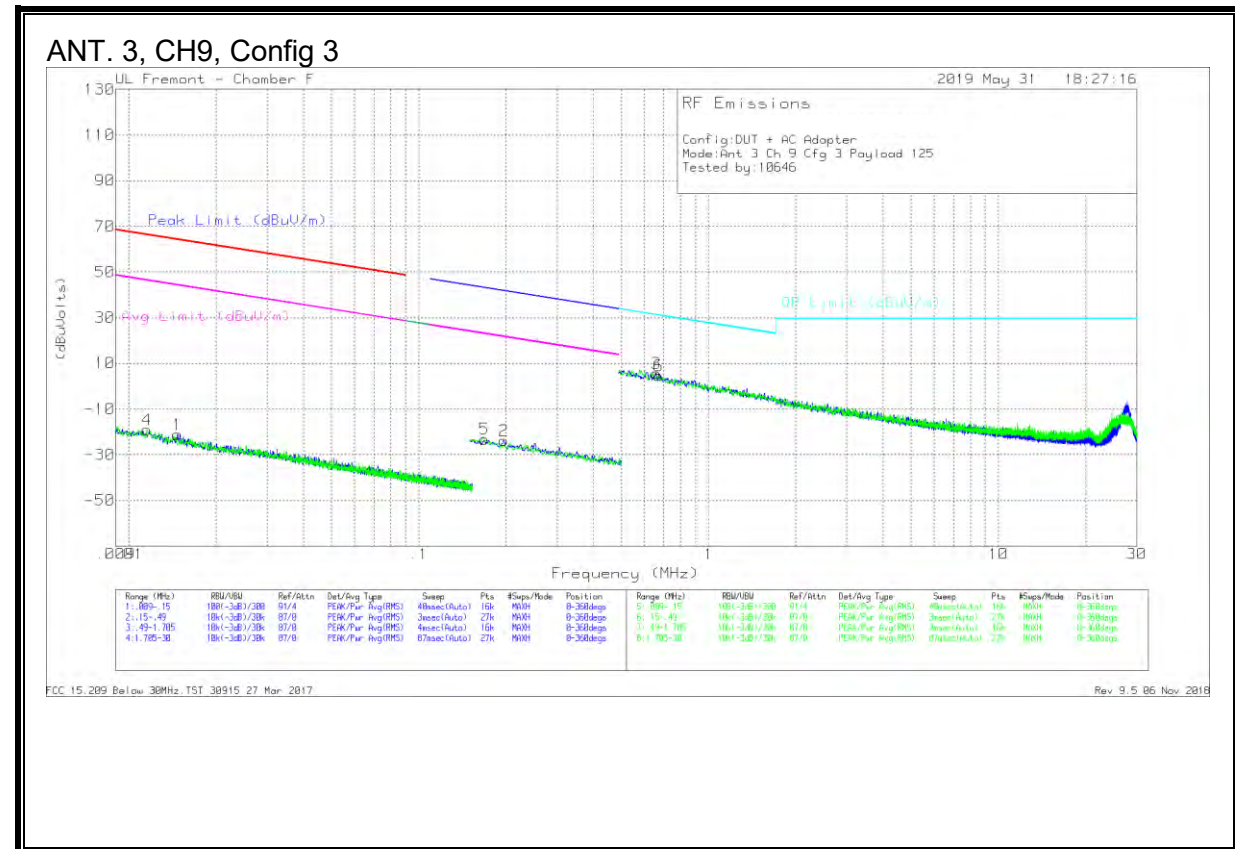
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cables (dB)	Dist Corr 300m	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	02249	40.25	Pk	14.4	0	-80	-25.35	60.54	-85.89	40.54	-65.89	-	-	-	-	0-360
2	37353	40.24	Pk	10.7	1	-80	-28.96	-	-	-	-	36.16	-65.12	16.16	-45.12	0-360
4	03101	39.57	Pk	13.6	0	-80	-26.83	57.76	-84.59	37.76	-64.59	-	-	-	-	0-360
5	28046	41.9	Pk	10.7	1	-80	-27.3	-	-	-	-	38.38	-65.68	18.38	-45.68	0-360

Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cables (dB)	Dist Corr (dB) 40Log	Corrected Reading (dBuVolts)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
3	1.313	25.05	Pk	10.6	1	-40	-4.25	25.26	-29.51	0-360
6	1.17225	29.07	Pk	10.6	1	-40	-2.23	26.24	-26.47	0-360

Pk - Peak detector



Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dBm)	Cables (dB)	Dist Corr 300m	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	.01474	42.27	Pk	16.7	0	-80	-21.03	64.21	-85.24	44.21	-65.24	-	-	-	-	0-360
2	.19657	45.2	Pk	10.8	.1	-80	-23.9	-	-	-	-	41.75	-65.65	21.75	-45.65	0-360
4	.01156	43.02	Pk	18	0	-80	-18.98	66.33	-85.31	46.33	-65.31	-	-	-	-	0-360
5	.16845	45.96	Pk	10.8	.1	-80	-23.14	-	-	-	-	43.09	-66.23	23.09	-46.23	0-360

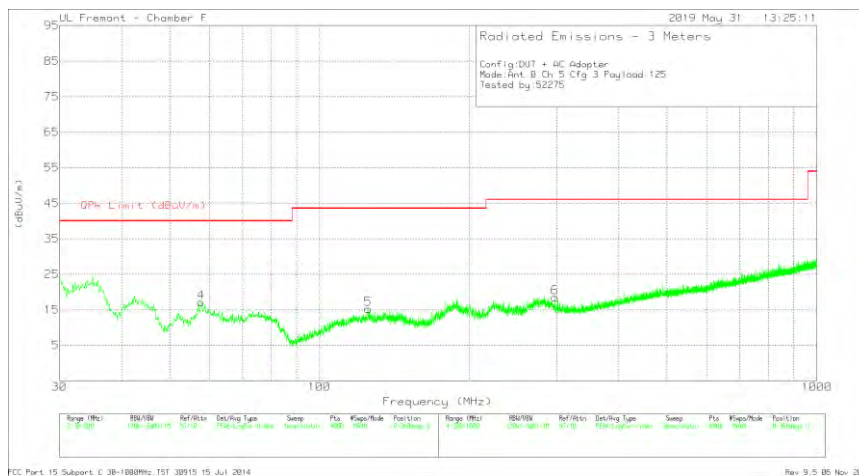
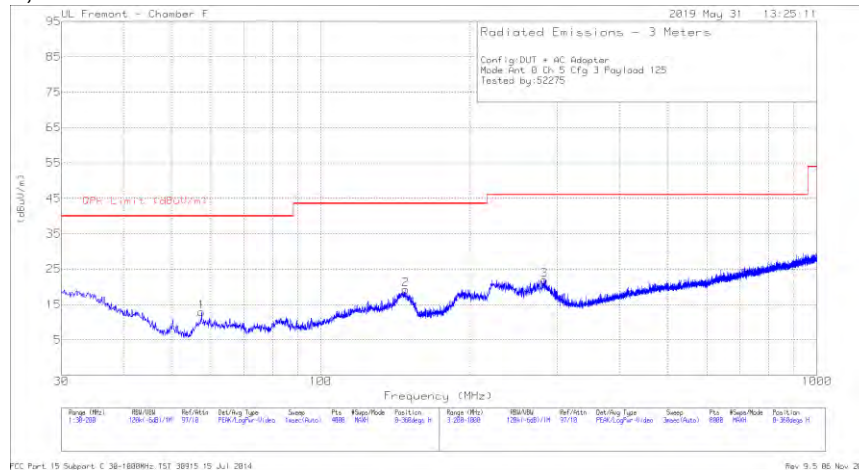
Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dBm)	Cables (dB)	Dist Corr (dB) 40Log	Corrected Reading (dBuVolts)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
3	.65872	35.04	Pk	10.6	.1	-40	5.74	31.24	-25.5	0-360
6	.67118	33.85	Pk	10.6	.1	-40	4.55	31.07	-26.52	0-360

Pk - Peak detector

8.4.2. AVERAGE EMISSIONS, 30 - 960 MHz

ANT. 0, CH5, CONFIG 3



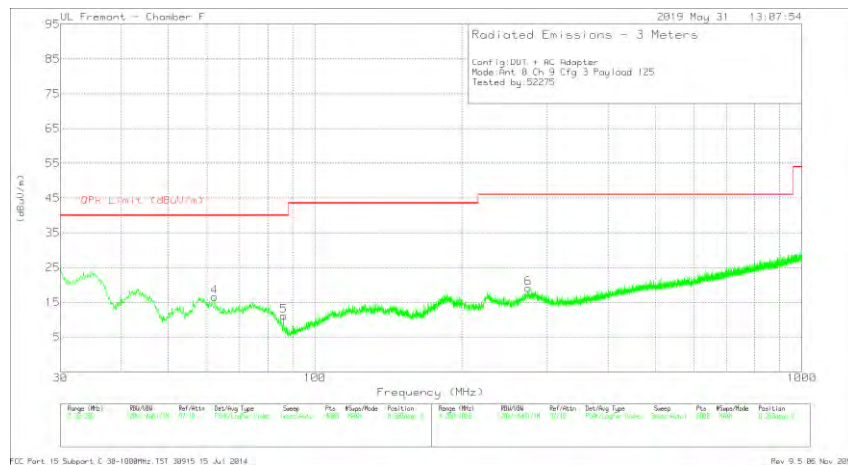
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T900 (dB/m)	Amp/Cbl (dB)	EIRP (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	57.5046	33.01	Pk	11.4	-31.5	12.91	40	-27.09	0-360	299	H
2	148.2231	33.25	Pk	16.8	-30.8	19.25	43.52	-24.27	0-360	199	H
4	57.8447	37.19	Pk	11.4	-31.5	17.09	40	-22.91	0-360	100	V
5	* 125.1396	28.43	Pk	17.8	-31	15.23	43.52	-28.29	0-360	100	V
3	* 282.1107	34.57	Pk	17.3	-29.9	21.97	46.02	-24.05	0-360	99	H
6	297.5127	31.14	Pk	17.3	-29.9	18.54	46.02	-27.48	0-360	199	V

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

Pk - Peak detector

ANT. 0, CH9, CONFIG 3



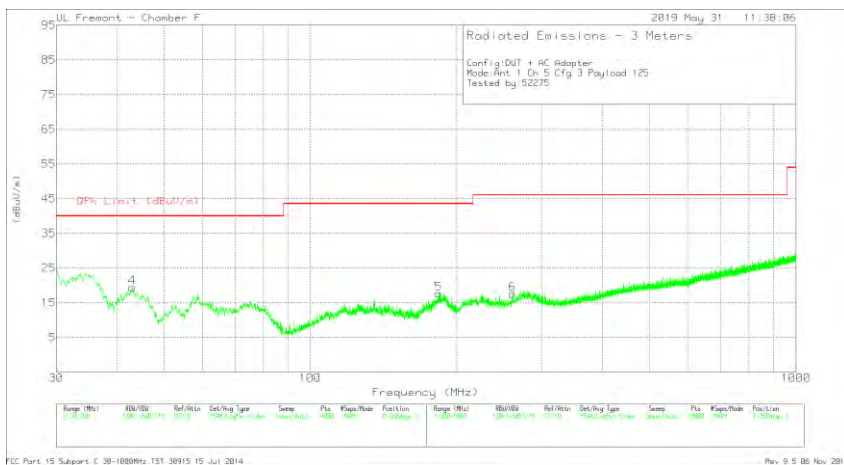
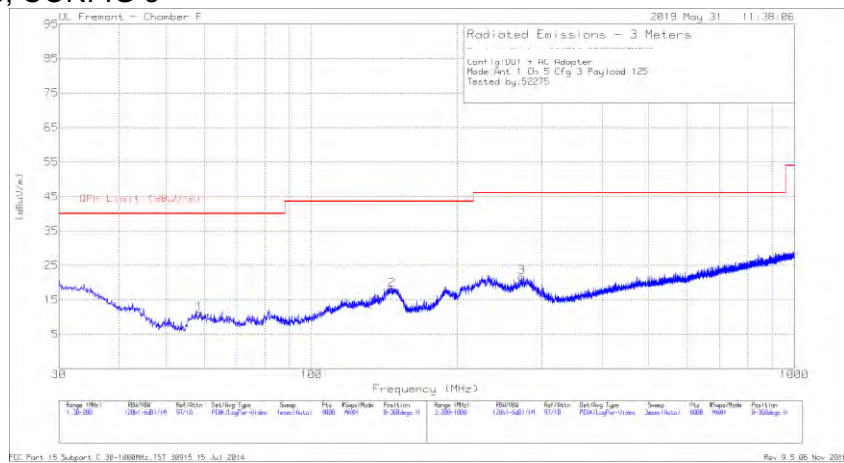
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T900 (dB/m)	Amp/Cbl (dB)	EIRP (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	143.3343	32.55	Pk	17.2	-30.9	18.85	43.52	-24.67	0-360	199	H
4	62.1808	36.14	Pk	12	-31.6	16.54	40	-23.46	0-360	100	V
5	86.1995	31.19	Pk	11.2	-31.3	11.09	40	-28.91	0-360	100	V
2	226.4034	38.36	Pk	14.8	-30.3	22.86	46.02	-23.16	0-360	99	H
3	286.7113	33.92	Pk	17.3	-30	21.22	46.02	-24.8	0-360	99	H
6	* 274.0096	31.86	Pk	17.3	-30	19.16	46.02	-26.86	0-360	199	V

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

Pk - Peak detector

ANT.1, CH5, CONFIG 3



Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T900 (dB/m)	Amp/Cbl (dB)	EIRP (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	58.6099	31.22	Pk	11.5	-31.6	11.12	40	-28.88	0-360	399	H
2	146.6502	31.86	Pk	16.9	-30.8	17.96	43.52	-25.56	0-360	199	H
4	42.9659	35.24	Pk	16	-31.8	19.44	40	-20.56	0-360	100	V
5	183.7623	33.06	Pk	15.1	-30.6	17.56	43.52	-25.96	0-360	100	V
3	* 272.2094	34.41	Pk	17.3	-30.1	21.61	46.02	-24.41	0-360	99	H
6	* 260.7079	31.43	Pk	16.2	-30.1	17.53	46.02	-28.49	0-360	199	V

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

2019 May 31 11:29:41

Radiated Emissions - 3 Meters

Config DUT = AC Adapter
Mode Ant 1 Ch 9 Cfg 3 Payload 125
Tested by: 52275

QPSK Error Rate Limit

1 2 3

dBm/Hz

Frequency (MHz)

Range Offset	RBW/Video	Ref Att'n	Det/Log Type	Sweep	Pre	Video Filter	Position	Range Offset	RBW/Video	Ref Att'n	Det/Log Type	Sweep	Pre	Video Filter	Position
1.0E+00	120K x 40K Hz	20.0 dB	Filter Config: Video	Normal	None	None	0.50 Steps: 1	1.0E+00	120K x 40K Hz	20.0 dB	Filter Config: Video	Normal	None	None	0.50 Steps: 1

FCC Part 15 Support C 30-10889ms 151 36915 15 Jul 2014

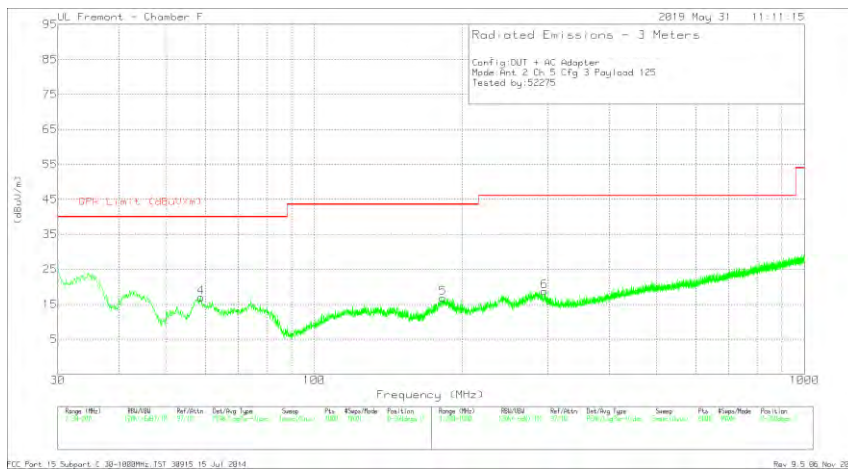
Rev 9.5.06 Nov 2014



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T900 (dB/m)	Amp/Cbl (dB)	EIRP (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	65.8368	29.79	Pk	12.2	-31.5	10.49	40	-29.51	0-360	399	H
2	147.5854	31.46	Pk	16.8	-30.8	17.46	43.52	-26.06	0-360	199	H
4	57.8447	37.18	Pk	11.4	-31.5	17.08	40	-22.92	0-360	100	V
5	197.3233	30.72	Pk	16.5	-30.5	16.72	43.52	-26.8	0-360	100	V
3	* 240.4053	37.41	Pk	15.4	-30.3	22.51	46.02	-23.51	0-360	99	H
6	435.6306	29.37	Pk	20.6	-29.1	20.87	46.02	-25.15	0-360	99	V

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ANT. 2, CH5, CONFIG 3

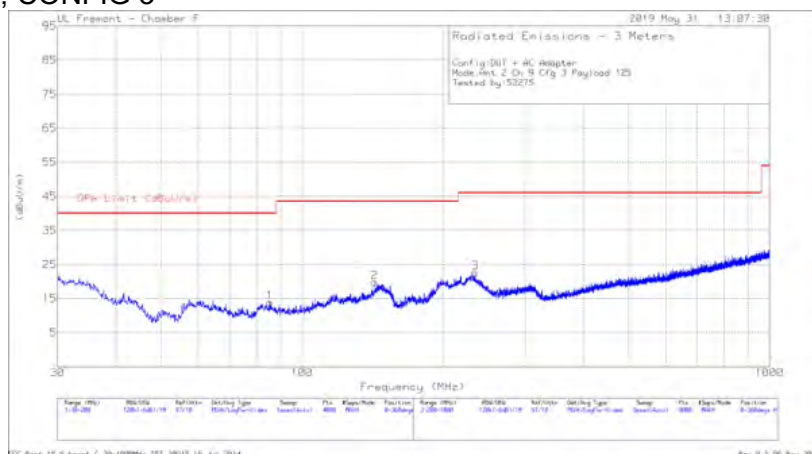


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T900 (dB/m)	Amp/Cbl (dB)	EIRP (dBuV/m)	QPK Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	59.7577	32.79	Pk	11.7	-31.6	12.89	40	-27.11	0-360	399	H
2	150.0511	32.01	Pk	16.6	-30.8	17.81	43.52	-25.71	0-360	299	H
4	58.8225	37.02	Pk	11.6	-31.6	17.02	40	-22.98	0-360	100	V
5	183.0821	32.22	Pk	15.2	-30.6	16.82	43.52	-26.7	0-360	100	V
3	* 241.7054	39.59	Pk	15.5	-30.2	24.89	46.02	-21.13	0-360	99	H
6	295.0124	31.25	Pk	17.3	-29.8	18.75	46.02	-27.27	0-360	199	V

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

ANT. 2, CH9, CONFIG 3



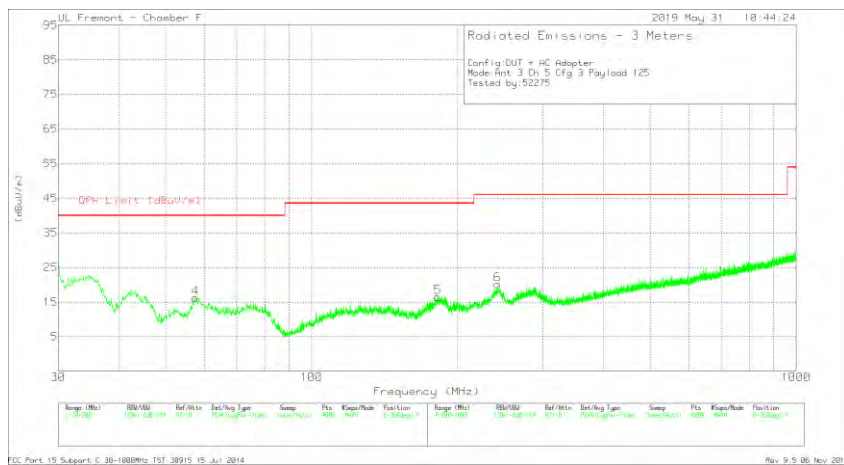
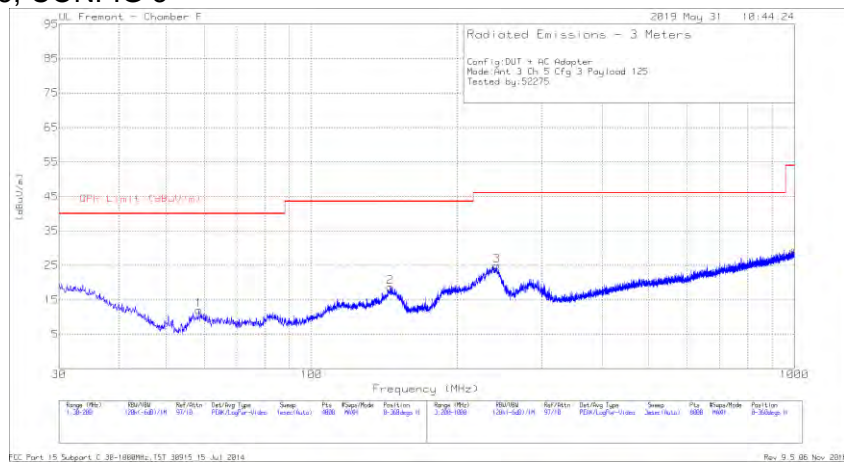
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T900 (dB/m)	Amp/Cbl (dB)	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

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

Pk - Peak detector

ANT. 3, CH5, CONFIG 3

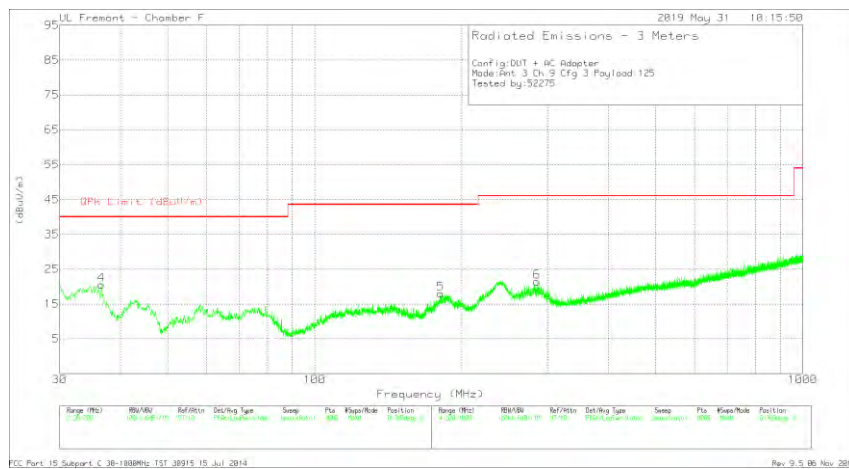
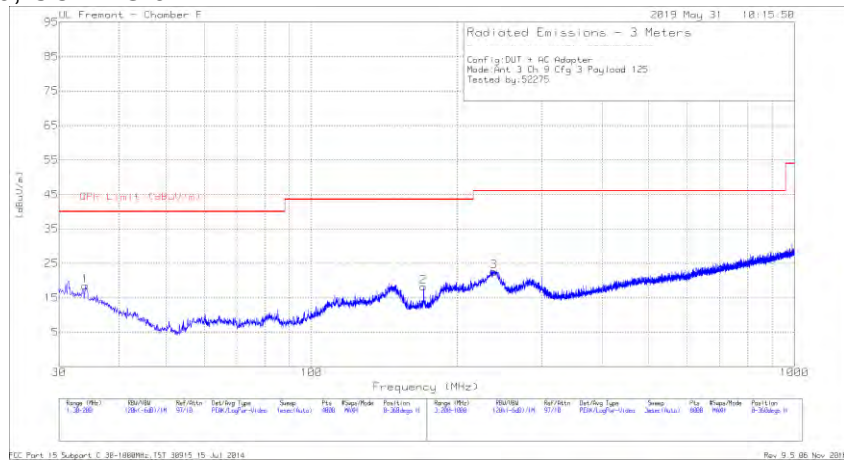


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T900 (dB/m)	Amp/Cbl (dB)	EIRP (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	58.4824	32.13	Pk	11.5	-31.6	12.03	40	-27.97	0-360	299	H
2	145.5874	32.78	Pk	16.9	-30.9	18.78	43.52	-24.74	0-360	299	H
4	57.5896	36.26	Pk	11.4	-31.5	16.16	40	-23.84	0-360	100	V
5	182.0618	31.81	Pk	15.2	-30.6	16.41	43.52	-27.11	0-360	100	V
3	* 241.7054	39.64	Pk	15.5	-30.2	24.94	46.02	-21.08	0-360	99	H
6	* 242.0055	34.83	Pk	15.5	-30.2	20.13	46.02	-25.89	0-360	99	V

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

ANT. 3, CH9, CONFIG 3

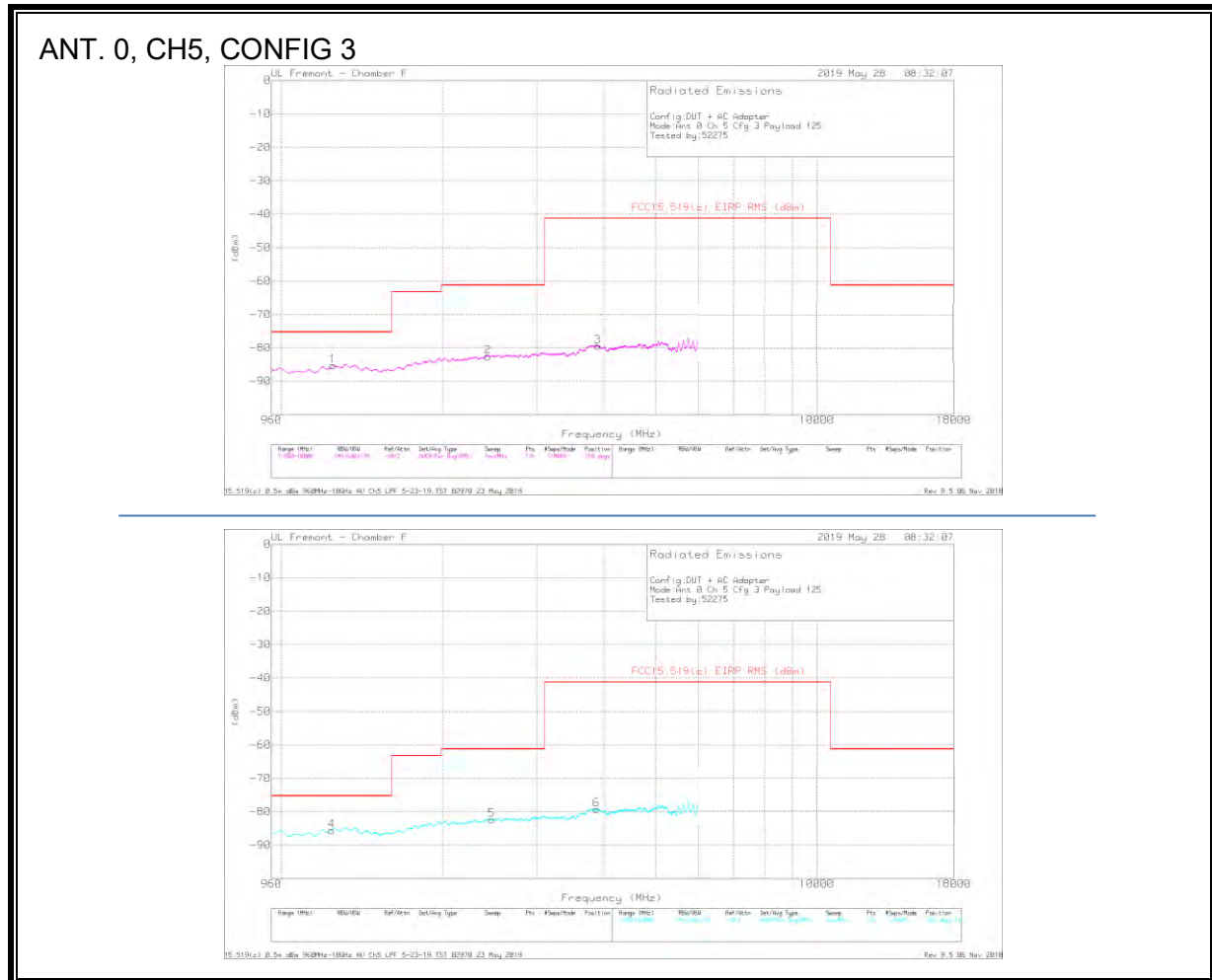


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T900 (dB/m)	Amp/Cbl (dB)	EIRP (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	33.9535	27.94	Pk	22.5	-31.9	18.54	40	-21.46	0-360	399	H
2	* 170.5839	33.19	Pk	15.7	-30.7	18.19	43.52	-25.33	0-360	399	H
4	36.5467	31.51	Pk	20.8	-31.8	20.51	40	-19.49	0-360	100	V
5	181.1266	33.41	Pk	15.2	-30.6	18.01	43.52	-25.51	0-360	100	V
3	238.605	37.42	Pk	15.4	-30.2	22.62	46.02	-23.4	0-360	99	H
6	285.4111	34.11	Pk	17.3	-30	21.41	46.02	-24.61	0-360	199	V

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

8.4.3. AVERAGE EMISSIONS, 0.96 – 6 GHz

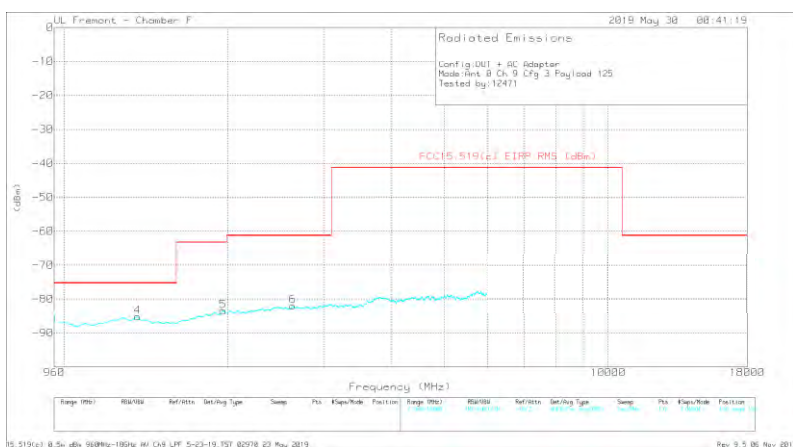
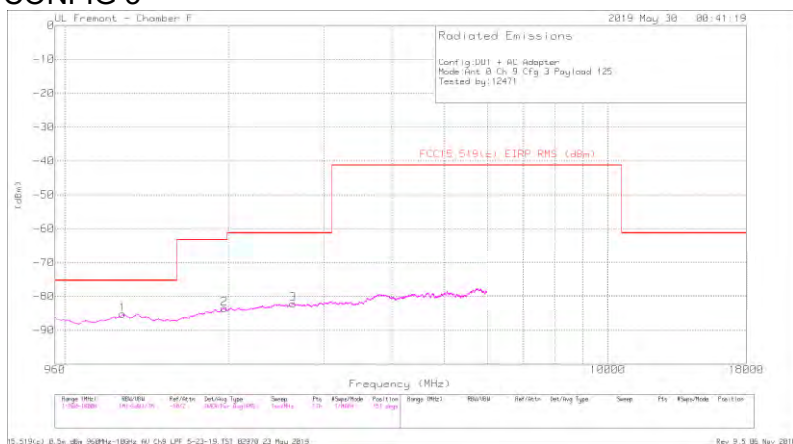


Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH5_LPF (dB)	Corrected Reading (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1249	-80.27	RMS	28.7	-30.2	-15.5	11.8	.2	-85.27	-75.3	-9.97	0	148	H
2	2433	-82.05	RMS	32.3	-29.4	-15.5	11.8	.3	-82.55	-61.3	-21.25	86	148	H
3	3899	-81.39	RMS	33.7	-28.6	-15.5	11.8	.5	-79.49	-41.3	-38.19	107	148	H
4	1242	-80.46	RMS	28.6	-30.4	-15.5	11.8	.3	-85.66	-75.3	-10.36	319	148	V
5	2472	-82.22	RMS	32.4	-29.2	-15.5	11.8	.3	-82.42	-61.3	-21.12	188	148	V
6	3879	-81.33	RMS	33.7	-28.5	-15.5	11.8	.5	-79.33	-41.3	-38.03	253	148	V

RMS - RMS detection

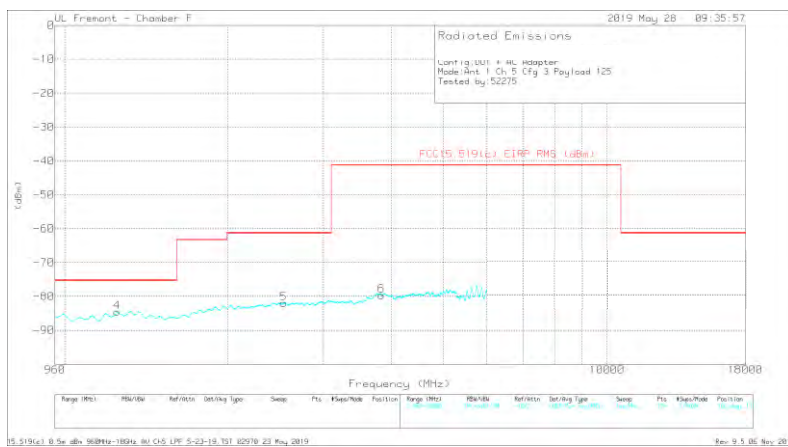
*Note: Test was performed with a low-pass filter with cutoff frequency at 6 GHz to suppress CH5 fundamental signal.



Marker	Frequency (MHz)	Mez Reading (dBm)	Det	AF T345 (dBm)	Amp/Chl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9_LPF (dB)	Corrected Reading (dBm)	ISED RSS-220 5.3.1 (d)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1278	-80.69	RMS	29.1	-30.1	-15.5	11.8	2	-85.19	-75.3	-9.89	63	150	H
2	1968	-81.78	RMS	31.2	-29.5	-15.5	11.8	3	-83.48	-70	-13.48	239	150	H
3	2633	-82.24	RMS	32.5	-29.2	-15.5	11.8	5	-82.14	-70	-12.14	85	150	V
4	1365	-80.99	RMS	29.4	-30.2	-15.5	11.8	3	-85.19	-75.3	-9.89	231	150	V
5	1961	-81.8	RMS	31.2	-29.5	-15.5	11.8	3	-83.5	-70	-13.5	319	150	V
6	2634	-82.23	RMS	32.5	-29.1	-15.5	11.8	5	-82.03	-70	-12.03	187	150	V

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

ANT. 1, CH5, CONFIG 3



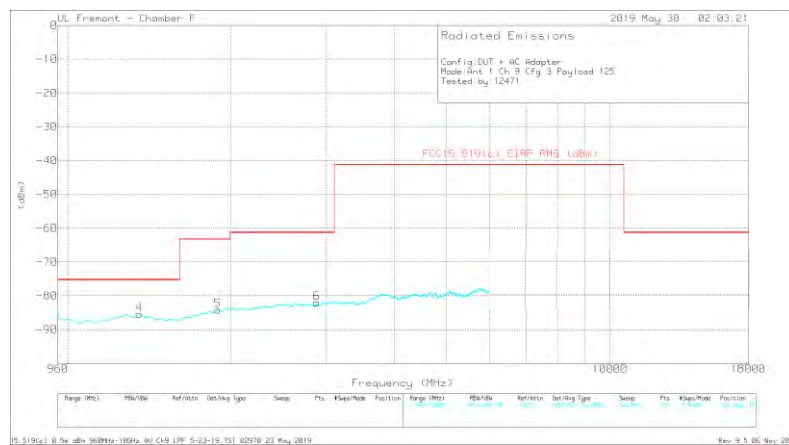
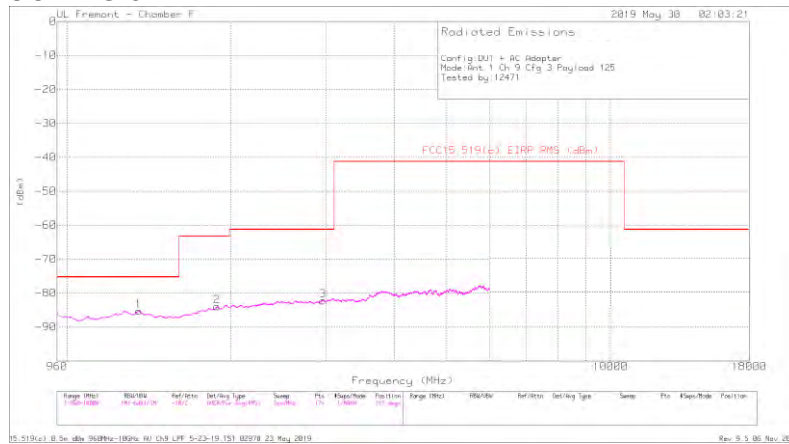
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH5_LPF (dB)	Corrected Reading (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1253	-79.21	RMS	28.7	-30.2	-15.5	11.8	.2	-84.21	-75.3	-8.91	283	148	H
2	2551	-81.02	RMS	32.3	-29.4	-15.5	11.8	.3	-81.52	-61.3	-20.22	239	148	H
3	3825	-81.16	RMS	33.7	-28.6	-15.5	11.8	.6	-79.16	-41.3	-37.86	173	148	H
4	1249	-79.59	RMS	28.7	-30.2	-15.5	11.8	.2	-84.59	-75.3	-9.29	360	148	V
5	2533	-81.45	RMS	32.3	-29.4	-15.5	11.8	.2	-82.05	-61.3	-20.75	360	148	V
6	3838	-81.28	RMS	33.7	-28.7	-15.5	11.8	.3	-79.68	-41.3	-38.38	275	148	V

RMS - RMS detection

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

ANT. 1, CH9, CONFIG 3



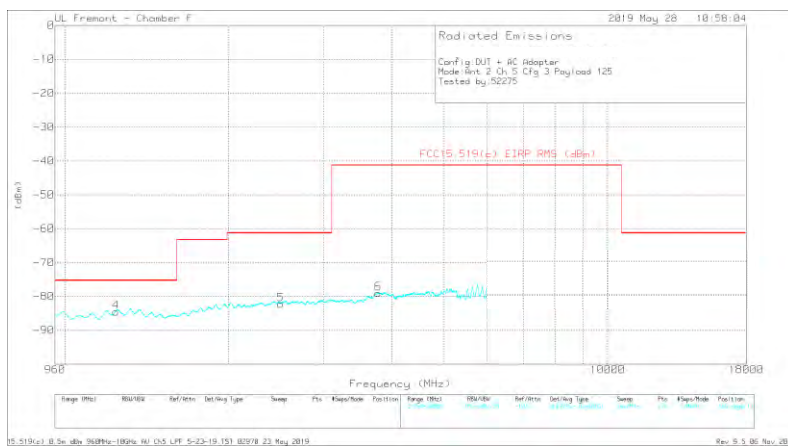
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	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	1355	-80.98	RMS	29.3	-30.2	-15.5	11.8	-3	-85.28	-75.3	-9.98	195	150	H
2	1890	-81.69	RMS	30.8	-29.5	-15.5	11.8	-2	-83.89	-63.3	-20.59	195	150	H
3	2958	-82.81	RMS	32.8	-28.9	-15.5	11.8	-4	-82.21	-61.3	-20.91	107	150	H
4	1355	-81.15	RMS	29.3	-30.2	-15.5	11.8	-3	-85.45	-75.3	-10.15	121	150	V
5	1893	-81.7	RMS	30.6	-29.6	-15.5	11.8	-2	-84.2	-63.3	-20.9	275	150	V
6	2880	-82.13	RMS	32.3	-28.8	-15.5	11.8	-3	-82.03	-61.3	-20.73	165	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. 2, CH5, CONFIG 3



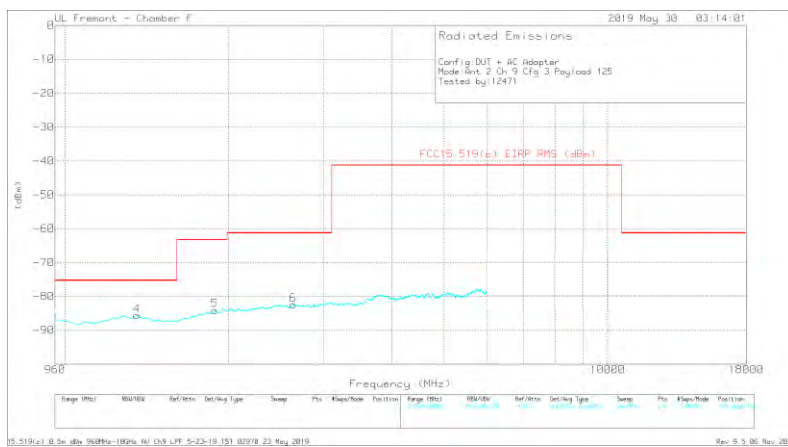
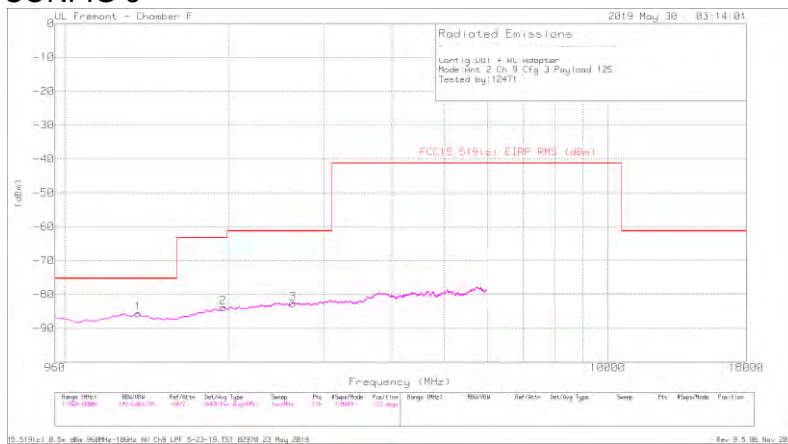
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH5_LPF (dB)	Corrected Reading (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1247	-78.91	RMS	28.7	-30.2	-15.5	11.8	.2	-83.91	-75.3	-8.61	107	148	H
2	2520	-81.3	RMS	32.3	-29.3	-15.5	11.8	.2	-81.9	-61.3	-20.6	0	148	H
3	3778	-81.04	RMS	33.5	-28.3	-15.5	11.8	.4	-79.14	-41.3	-37.84	129	148	H
4	1242	-79.33	RMS	28.6	-30.4	-15.5	11.8	.3	-84.53	-75.3	-9.23	360	148	V
5	2498	-81.89	RMS	32.4	-29.4	-15.5	11.8	.3	-82.29	-61.3	-20.99	143	148	V
6	3778	-80.97	RMS	33.5	-28.3	-15.5	11.8	.4	-79.07	-41.3	-37.77	297	148	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



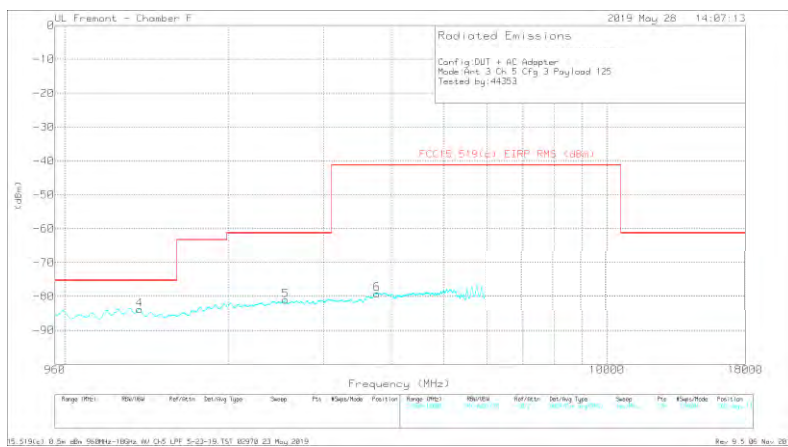
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9_LPF (dB)	EIRP (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1365	-81.42	RMS	29.4	-30.2	-15.5	11.8	.3	-85.62	-75.3	-10.32	85	150	H
2	1958	-82	RMS	31.2	-29.5	-15.5	11.8	.2	-83.9	-63.3	-20.5	283	150	H
3	2630	-82.51	RMS	32.5	-29.3	-15.5	11.8	.4	-82.61	-61.3	-21.31	85	150	H
4	1358	-81.26	RMS	29.3	-30.2	-15.5	11.8	.3	-85.56	-75.3	-10.26	77	150	V
5	1889	-81.83	RMS	30.8	-29.5	-15.5	11.8	.2	-84.03	-63.3	-20.73	360	150	V
6	2633	-82.53	RMS	32.5	-29.2	-15.5	11.8	.5	-82.43	-61.3	-21.13	254	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



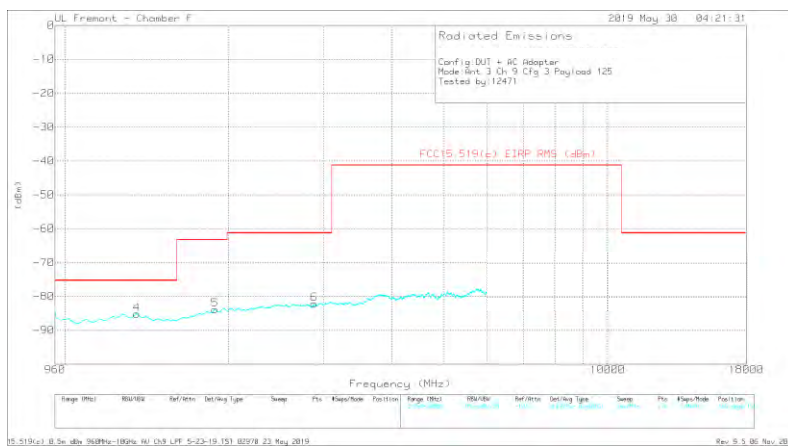
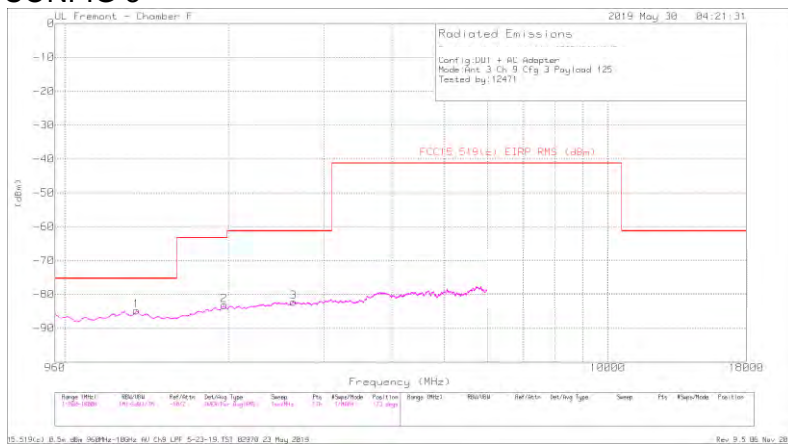
Trace Markers

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)	Altitude (Degs)	Height (cm)	Polarity
1	1321	-79.22	RMS	28.9	-30.3	-15.5	11.8	.2	-84.12	-75.3	-8.82	261	148	H
2	2022	-80.64	RMS	31.4	-29.7	-15.5	11.8	.2	-82.44	-61.3	-21.14	42	148	H
3	3879	-80.91	RMS	33.7	-28.5	-15.5	11.8	.5	-78.91	-41.3	-37.61	217	148	H
4	1375	-79.26	RMS	29.1	-30.2	-15.5	11.8	.2	-83.86	-75.3	-8.56	165	148	V
5	2555	-80.57	RMS	32.3	-29.4	-15.5	11.8	.3	-81.07	-61.3	-19.77	209	148	V
6	3765	-81.18	RMS	33.5	-28.2	-15.5	11.8	.4	-79.18	-41.3	-37.88	209	148	V

RMS - RMS detection

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

ANT. 3, CH9, CONFIG 3



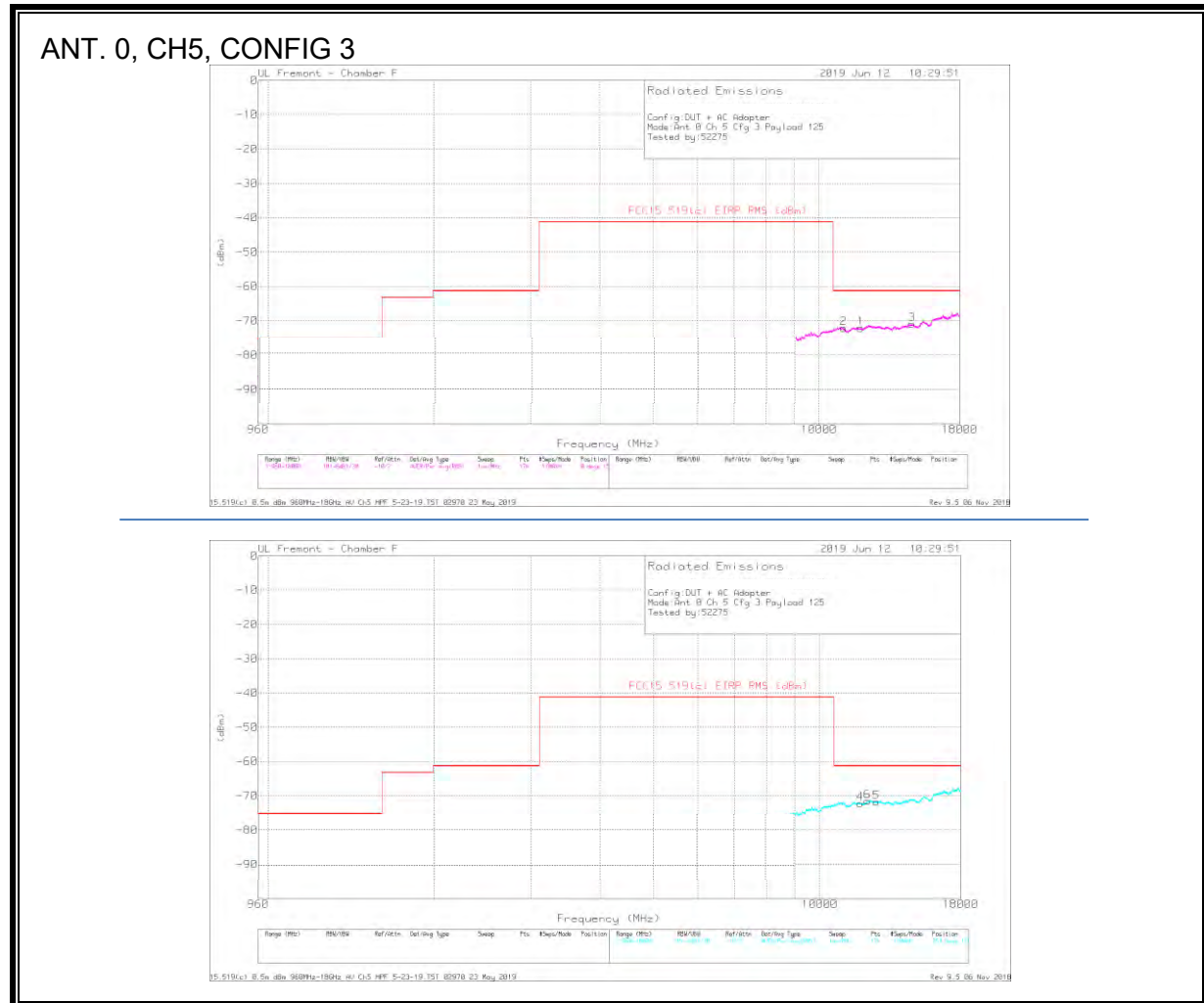
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9_LPF (dB)	EIRP (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1356	-80.44	RMS	29.3	-30.2	-15.5	11.8	-3	-84.74	-75.3	-9.44	63	150	H
2	1967	-81.46	RMS	31.2	-29.5	-15.5	11.8	-3	-83.16	-63.3	-19.86	63	150	H
3	2636	-82.32	RMS	32.5	-29.2	-15.5	11.8	-5	-82.22	-61.3	-20.92	19	150	H
4	1357	-80.9	RMS	29.3	-30.2	-15.5	11.8	-3	-85.2	-75.3	-9.9	143	150	V
5	1891	-81.46	RMS	30.7	-29.6	-15.5	11.8	-2	-83.86	-63.3	-20.56	342	150	V
6	2880	-82.27	RMS	32.3	-28.8	-15.5	11.8	-3	-82.17	-61.3	-20.87	166	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.

8.4.4. AVERAGE EMISSIONS, 9 – 18 GHz



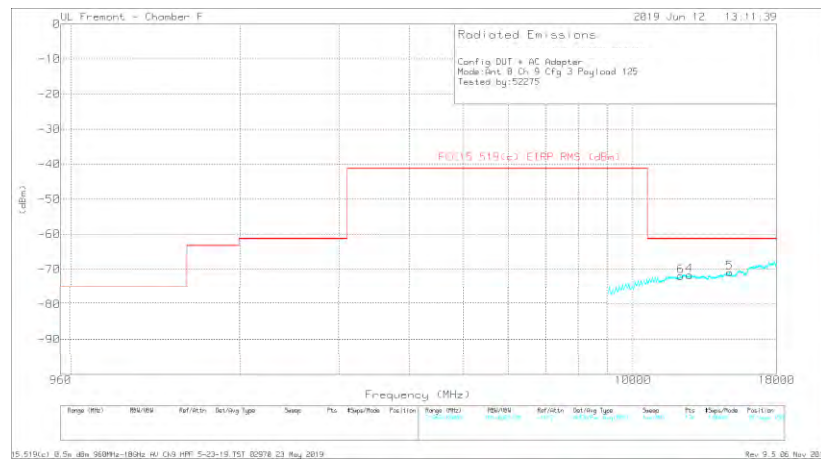
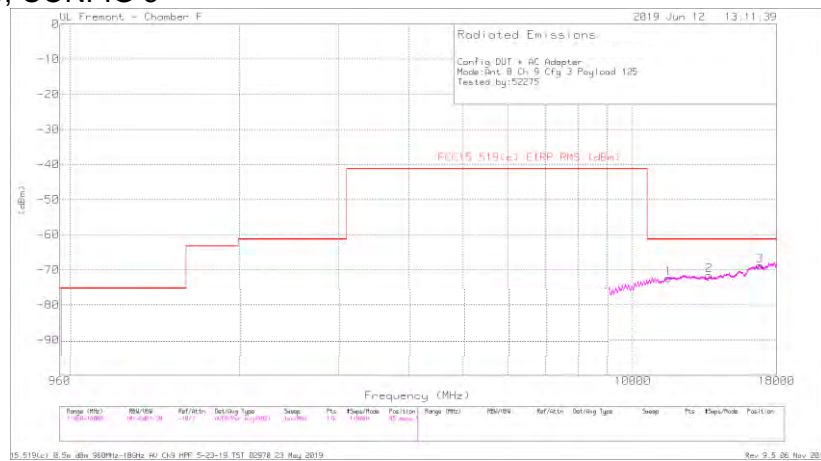
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH5_HPF (dB)	EIRP (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	11890	-84.58	RMS	38.6	-23	-15.5	11.8	.6	-72.08	-61.3	-10.78	130	150	H
2	11075	-84.62	RMS	37.9	-22.4	-15.5	11.8	.7	-72.12	-61.3	-10.82	152	150	H
3	14739	-83.28	RMS	39.7	-24.4	-15.5	11.8	.7	-70.98	-61.3	-9.68	130	150	H
4	11837	-84.75	RMS	38.6	-22.9	-15.5	11.8	.5	-72.25	-61.3	-10.95	275	150	V
5	12654	-84.23	RMS	39.2	-23.6	-15.5	11.8	.5	-71.83	-61.3	-10.53	275	150	V
6	12201	-84.45	RMS	39.1	-23.1	-15.5	11.8	.6	-71.55	-61.3	-10.25	275	150	V

RMS - RMS detection

*Note: Test was performed with a high-pass filter with pass-band frequency starting at 8.4 GHz to surpress CH5 fundamental signal.

ANT. 0, CH9, CONFIG 3



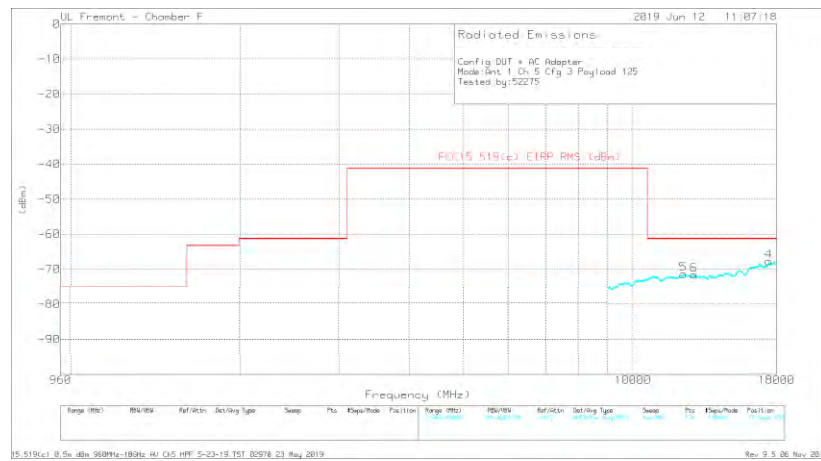
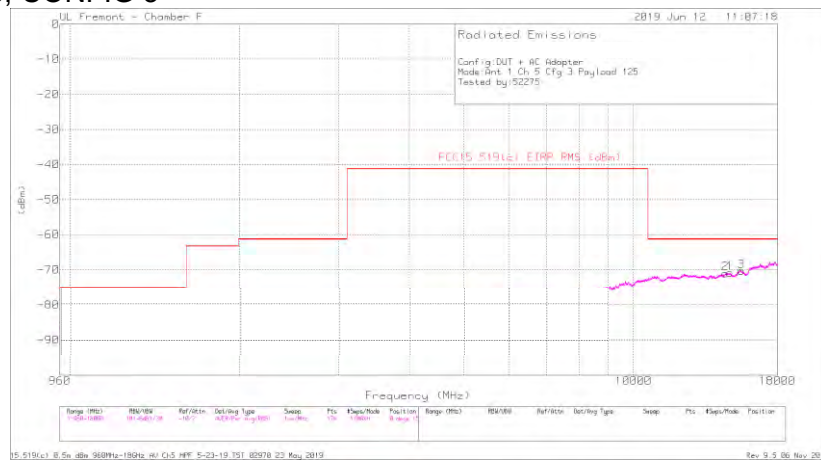
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9_HPF (dB)	Corrected Reading (dBm)	ISED RSS-220 5.3.1 (d)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	11566	-84.5	RMS	38.3	-22.8	-15.5	11.8	.3	-72.4	-61.3	-11.1	217	150	H
2	13661	-82.81	RMS	38.7	-24.2	-15.5	11.8	.5	-71.51	-61.3	-10.21	63	150	H
3	16807	-85.95	RMS	41.9	-21.4	-15.5	11.8	.4	-68.75	-61.3	-7.45	19	150	H
4	12607	-84.29	RMS	39.2	-23.3	-15.5	11.8	.4	-71.69	-61.3	-10.39	187	150	V
5	14846	-83.72	RMS	39.7	-24	-15.5	11.8	.8	-70.92	-61.3	-9.62	341	150	V
6	12147	-84.58	RMS	39	-23.1	-15.5	11.8	.4	-71.98	-61.3	-10.68	275	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



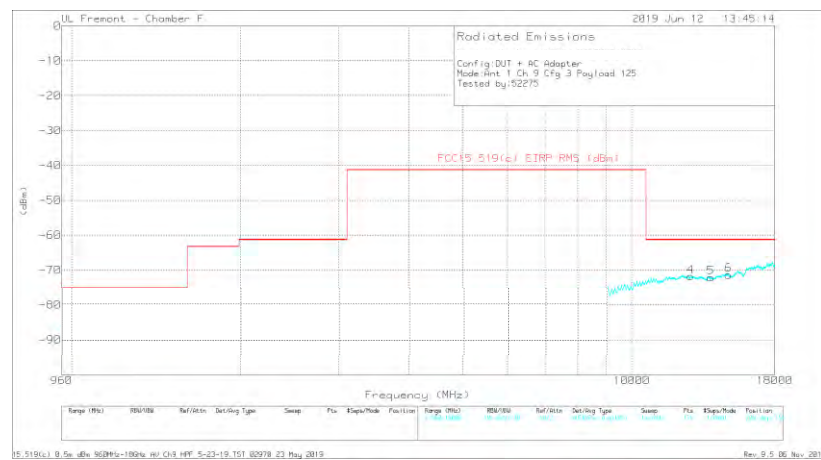
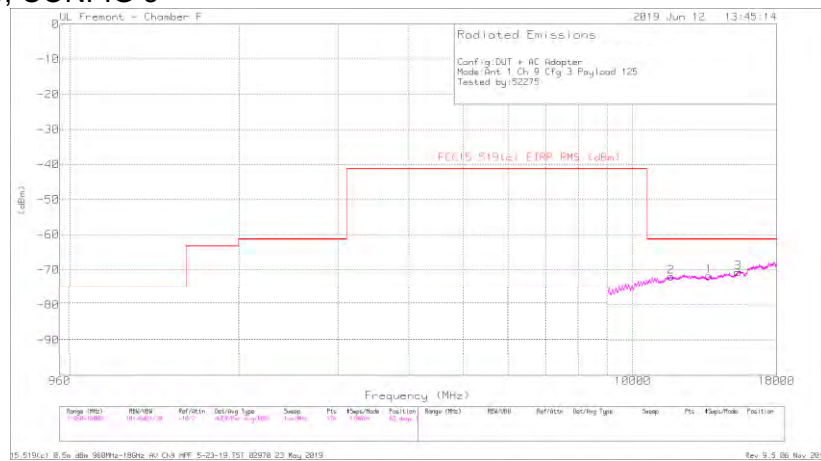
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Amp/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	14823	-83.43	RMS	39.7	-23.9	-15.5	11.8	.5	-70.83	-61.3	-9.53	327	150	H
2	14536	-83.01	RMS	39.5	-24.4	-15.5	11.8	.6	-71.01	-61.3	-9.71	173	150	H
3	15526	-84.06	RMS	40.4	-23.5	-15.5	11.8	.5	-70.36	-61.3	-9.06	19	150	H
4	17424	-85.51	RMS	41.5	-20.6	-15.5	11.8	.6	-67.71	-61.3	-6.41	231	150	V
5	12291	-84.47	RMS	39.2	-23.1	-15.5	11.8	.7	-71.37	-61.3	-10.07	165	150	V
6	12836	-84.04	RMS	39.3	-23.6	-15.5	11.8	.5	-71.54	-61.3	-10.24	165	150	V

RMS - RMS detection

*Note: Test was performed with a high-pass filter with pass-band frequency starting at 8.4 GHz to suppress CH5 fundamental signal.

ANT. 1, CH9, CONFIG 3



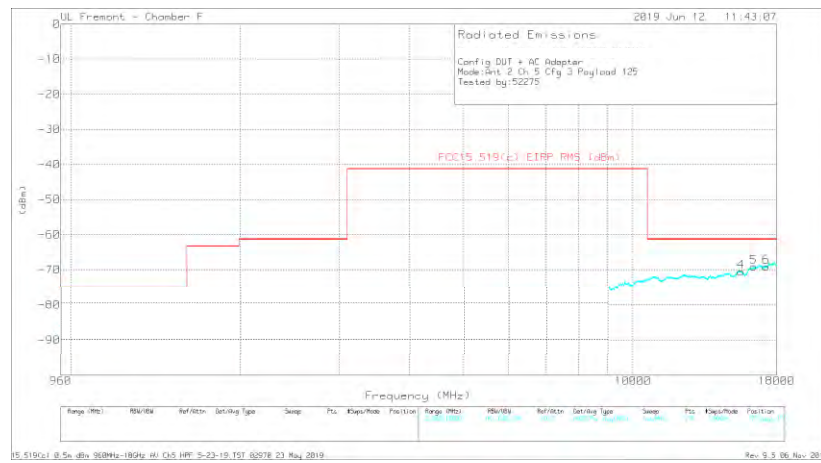
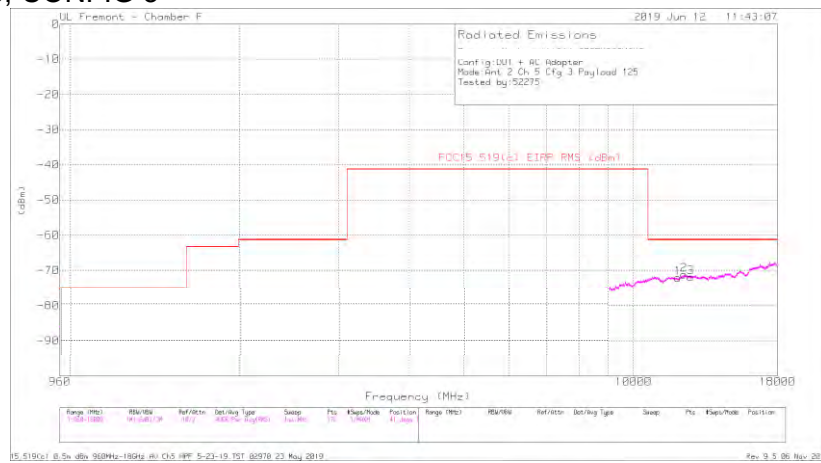
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9_HPF (dB)	EIRP (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	13657	-82.99	RMS	38.7	-24.2	-15.5	11.8	.5	-71.69	-61.3	-10.39	261	150	H
2	11695	-84.53	RMS	38.4	-22.5	-15.5	11.8	.4	-71.93	-61.3	-10.63	304	150	H
3	15365	-83.9	RMS	40.3	-23.8	-15.5	11.8	.4	-70.7	-61.3	-9.4	41	150	H
4	12738	-84.33	RMS	39.3	-23.4	-15.5	11.8	.3	-71.83	-61.3	-10.53	165	150	V
5	13836	-83.21	RMS	38.5	-24.1	-15.5	11.8	.4	-72.11	-61.3	-10.81	121	150	V
6	14885	-83.49	RMS	39.7	-24.2	-15.5	11.8	.3	-71.39	-61.3	-10.09	78	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



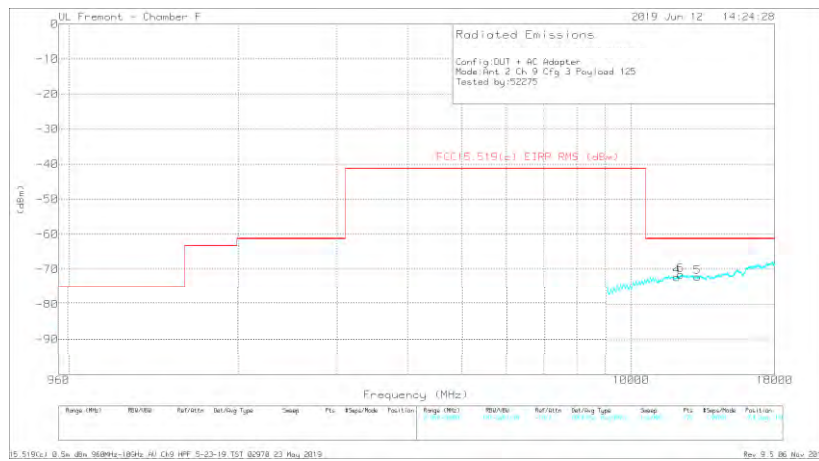
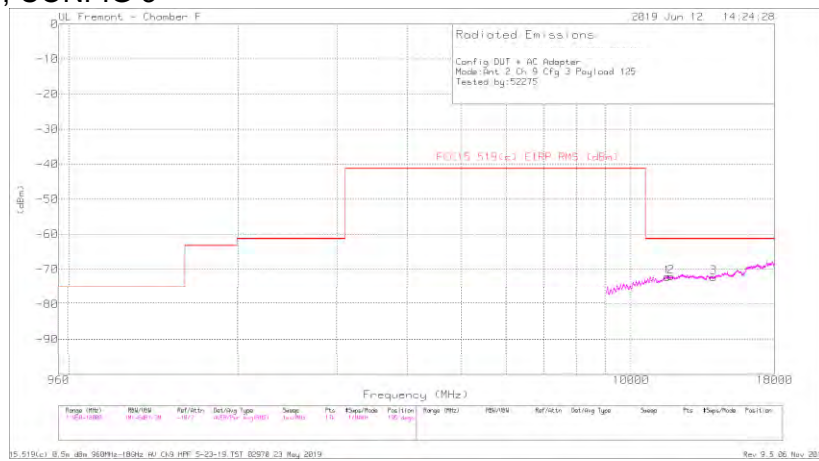
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH5_HP (dB)	EIRP (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	11976	-84.68	RMS	38.8	-23.1	-15.5	11.8	.6	-72.08	-61.3	-10.78	217	150	H
2	12285	-84.22	RMS	39.1	-23.1	-15.5	11.8	.7	-71.22	-61.3	-9.92	217	150	H
3	12625	-84.24	RMS	39.1	-23.6	-15.5	11.8	.5	-71.94	-61.3	-10.64	195	150	H
4	15557	-84.33	RMS	40.3	-23.3	-15.5	11.8	.5	-70.53	-61.3	-9.23	253	150	V
5	16375	-85.35	RMS	41.3	-21.9	-15.5	11.8	.5	-69.15	-61.3	-7.85	342	150	V
6	17240	-86	RMS	41.3	-21.2	-15.5	11.8	.5	-69.1	-61.3	-7.8	320	150	V

RMS - RMS detection

*Note: Test was performed with a high-pass filter with pass-band frequency starting at 8.4 GHz to suppress CH5 fundamental signal.

ANT. 2, CH9, CONFIG 3



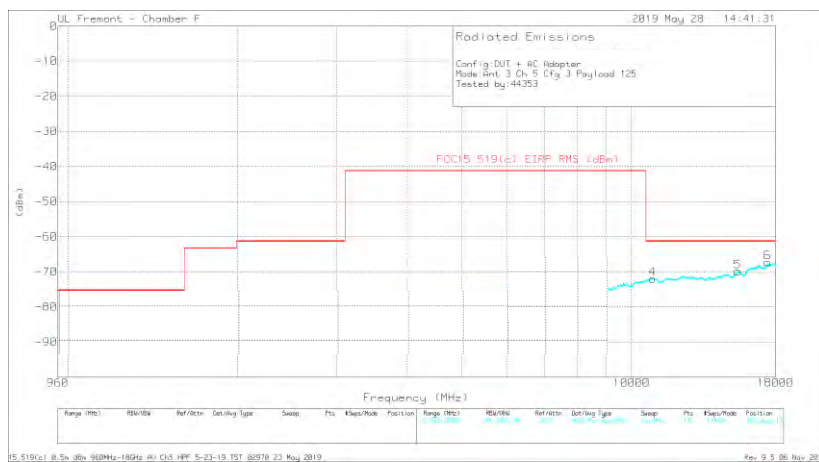
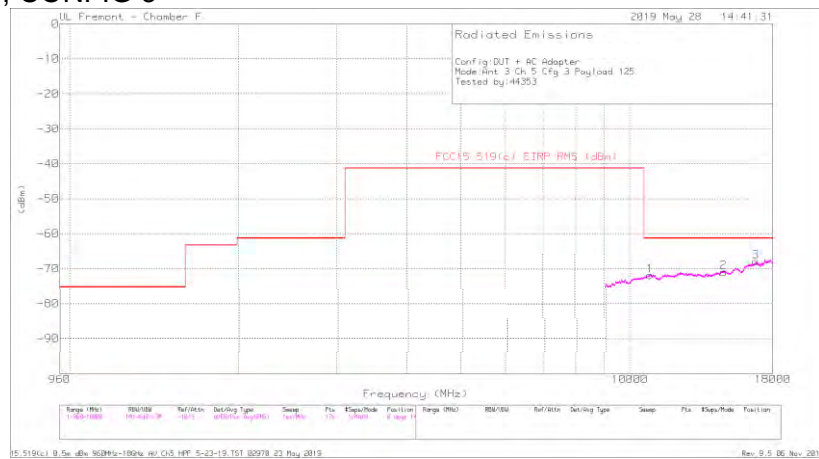
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9 HPF (dB)	EIRP (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	11594	-84.42	RMS	38.3	-22.8	-15.5	11.8	.4	-72.22	-61.3	-10.92	19	150	H
2	11779	-84.37	RMS	38.5	-22.9	-15.5	11.8	.4	-72.07	-61.3	-10.77	261	150	H
3	14007	-83.45	RMS	38.6	-24.1	-15.5	11.8	.4	-72.25	-61.3	-10.95	261	150	H
4	12058	-84.75	RMS	38.8	-23	-15.5	11.8	.4	-72.25	-61.3	-10.95	297	150	V
5	13123	-83.98	RMS	39.3	-24.1	-15.5	11.8	.3	-72.18	-61.3	-10.88	275	150	V
6	12250	-84.09	RMS	39.1	-23.2	-15.5	11.8	.3	-71.59	-61.3	-10.29	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 CH9 fundamental signal.

ANT. 3, CH5, CONFIG 3



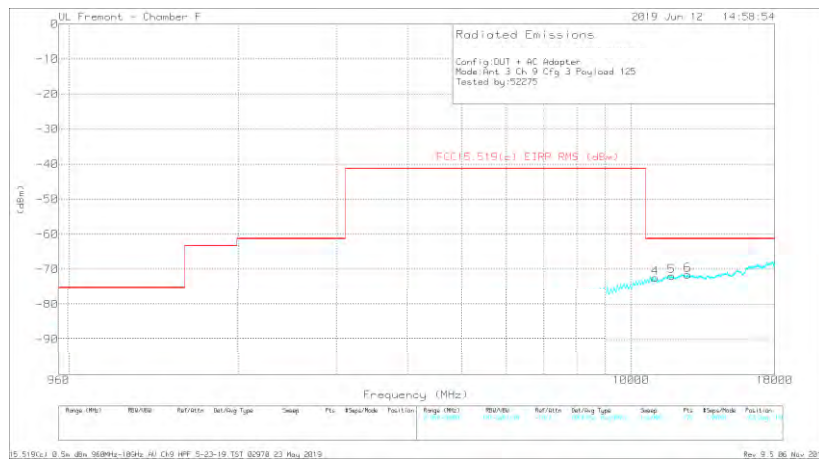
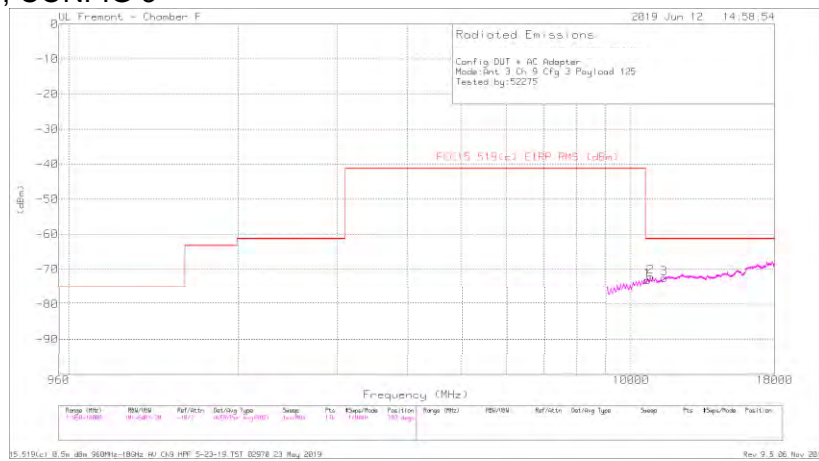
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH5_HPF (dB)	Corrected Reading (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	10865	-84.43	RMS	38	-22.4	-15.5	11.8	.6	-71.93	-61.3	-10.63	85	148	H
2	14696	-83.3	RMS	39.7	-24.3	-15.5	11.8	.6	-71	-61.3	-9.7	217	148	H
3	16790	-85.44	RMS	41.9	-21.3	-15.5	11.8	.6	-67.94	-61.3	-6.64	107	148	H
4	10900	-84.5	RMS	38	-22.6	-15.5	11.8	.8	-72	-61.3	-10.7	275	148	V
5	15422	-83.4	RMS	40.3	-23.7	-15.5	11.8	.6	-69.9	-61.3	-8.6	33	148	V
6	17428	-85.19	RMS	41.5	-20.5	-15.5	11.8	.6	-67.29	-61.3	-5.99	231	148	V

RMS - RMS detection

*Note: Test was performed with a high-pass filter with pass-band frequency starting at 8.4 GHz to suppress CH5 fundamental signal.

ANT. 3, CH9, CONFIG 3



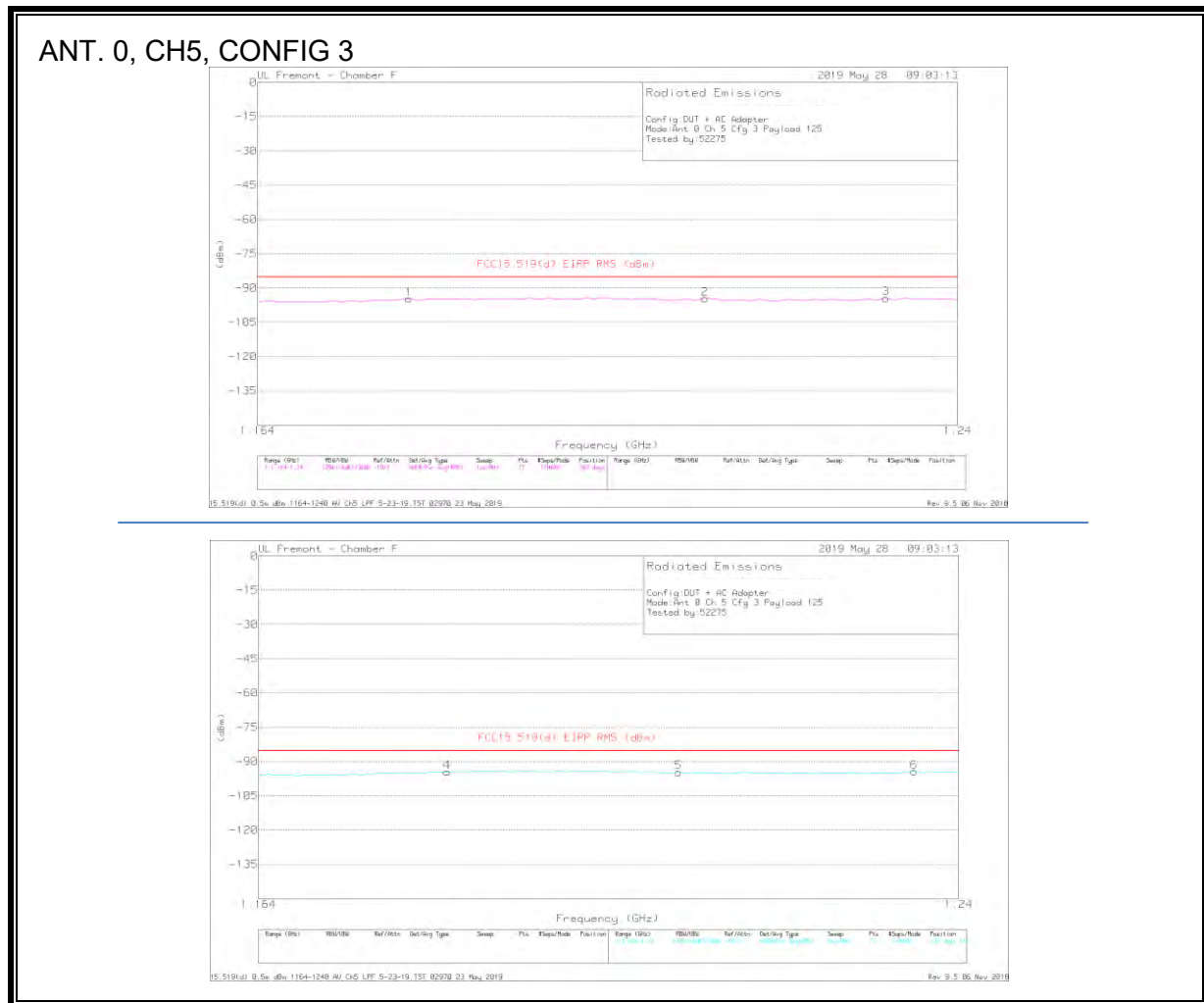
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9_HPF (dB)	EIRP (dBm)	FCC15.519(c) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	10690	-84.82	RMS	37.9	-22.5	-15.5	11.8	0	-73.12	-61.3	-11.82	217	150	H
2	10822	-83.92	RMS	37.9	-22.4	-15.5	11.8	0	-72.12	-61.3	-10.82	173	150	H
3	11447	-84.9	RMS	38.2	-22.5	-15.5	11.8	-4	-72.5	-61.3	-11.2	151	150	H
4	11031	-84.56	RMS	38	-22.2	-15.5	11.8	0	-72.46	-61.3	-11.16	55	150	V
5	11808	-84.51	RMS	38.6	-22.9	-15.5	11.8	6	-71.91	-61.3	-10.61	165	150	V
6	12613	-84.13	RMS	39.3	-23.4	-15.5	11.8	-4	-71.53	-61.3	-10.23	297	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.

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	1.18	-88.68	RMS	27.9	-30.5	-15.5	11.8	.2	-94.78	-85.3	-9.48	151	148	H
2	1.212	-89.03	RMS	28.3	-30.4	-15.5	11.8	.2	-94.63	-85.3	-9.33	85	148	H
3	1.232	-89.37	RMS	28.7	-30.3	-15.5	11.8	.2	-94.47	-85.3	-9.17	107	148	H
4	1.184	-88.62	RMS	28	-30.4	-15.5	11.8	.2	-94.62	-85.3	-9.22	55	148	V
5	1.209	-88.95	RMS	28.2	-30.4	-15.5	11.8	.2	-94.65	-85.3	-9.35	121	148	V
6	1.235	-89.31	RMS	28.7	-30.3	-15.5	11.8	.2	-94.41	-85.3	-9.11	209	148	V

RMS - RMS detection

ANT. 0, CH9, CONFIG 3



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9 LP Filter	EIRP (dBm)	FCC15.519(d) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degree)	Height (cm)	Polarity
1	1.18	-89.69	RMS	27.9	-30.5	-15.5	11.8	.2	-95.79	-85.3	-10.49	63	150	H
2	1.21	-89.98	RMS	28.3	-30.4	-15.5	11.8	.2	-95.58	-85.3	-10.28	261	150	H
3	1.233	-90.04	RMS	28.7	-30.3	-15.5	11.8	.2	-95.14	-85.3	-9.84	18	150	H
4	1.179	-89.6	RMS	27.9	-30.5	-15.5	11.8	.2	-95.7	-85.3	-10.4	210	150	V
5	1.201	-90.02	RMS	28.3	-30.5	-15.5	11.8	.2	-95.72	-85.3	-10.42	298	150	V
6	1.221	-89.13	RMS	28.5	-30.4	-15.5	11.8	.2	-94.53	-85.3	-9.23	187	150	V

RMS - RMS detection

ANT. 1, CH5, CONFIG 3



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH5 LP Filter	Corrected Reading (dBm)	FCC15.519(d) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.187	-88.27	RMS	28.1	-30.4	-15.5	11.8	.2	-94.07	-85.3	-8.77	107	148	H
2	1.214	-89.34	RMS	28.4	-30.4	-15.5	11.8	.2	-94.84	-85.3	-9.54	327	148	H
3	1.234	-89.45	RMS	28.7	-30.3	-15.5	11.8	.2	-94.55	-85.3	-9.25	217	148	H
4	1.188	-86.7	RMS	28	-30.4	-15.5	11.8	.2	-92.6	-85.3	-7.3	99	148	V
5	1.202	-87.54	RMS	28.3	-30.4	-15.5	11.8	.2	-93.14	-85.3	-7.84	144	148	V
6	1.232	-88.85	RMS	28.7	-30.3	-15.5	11.8	.2	-93.95	-85.3	-8.65	232	148	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	EIRP (dBm)	FCC15.519(d) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.18	-89.61	RMS	27.9	-30.5	-15.5	11.8	.2	-95.71	-85.3	-10.41	195	150	H
2	1.198	-89.88	RMS	28.3	-30.5	-15.5	11.8	.2	-95.58	-85.3	-10.28	152	150	H
3	1.213	-89.62	RMS	28.4	-30.4	-15.5	11.8	.2	-95.12	-85.3	-9.82	217	150	H
4	1.179	-90.03	RMS	27.9	-30.5	-15.5	11.8	.2	-96.13	-85.3	-10.83	144	150	V
5	1.21	-89.84	RMS	28.3	-30.4	-15.5	11.8	.2	-95.44	-85.3	-10.14	254	150	V
6	1.232	-89.53	RMS	28.7	-30.3	-15.5	11.8	.2	-94.63	-85.3	-9.33	342	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)	Asimuth (Degs)	Height (cm)	Polarity
1	1.183	-87.77	RMS	28	-30.4	-15.5	11.8	.2	-93.67	-85.3	-8.37	239	148	H
2	1.203	-88.05	RMS	28.3	-30.4	-15.5	11.8	.2	-93.65	-85.3	-8.35	62	148	H
3	1.224	-88.87	RMS	28.5	-30.4	-15.5	11.8	.2	-94.27	-85.3	-8.97	129	148	H
4	1.183	-87.07	RMS	28	-30.4	-15.5	11.8	.2	-92.97	-85.3	-7.67	78	148	V
5	1.203	-87.72	RMS	28.3	-30.4	-15.5	11.8	.2	-93.32	-85.3	-8.02	99	148	V
6	1.224	-88.58	RMS	28.5	-30.4	-15.5	11.8	.2	-93.98	-85.3	-8.68	276	148	V

RMS - RMS detection

ANT. 2, CH9, CONFIG 3

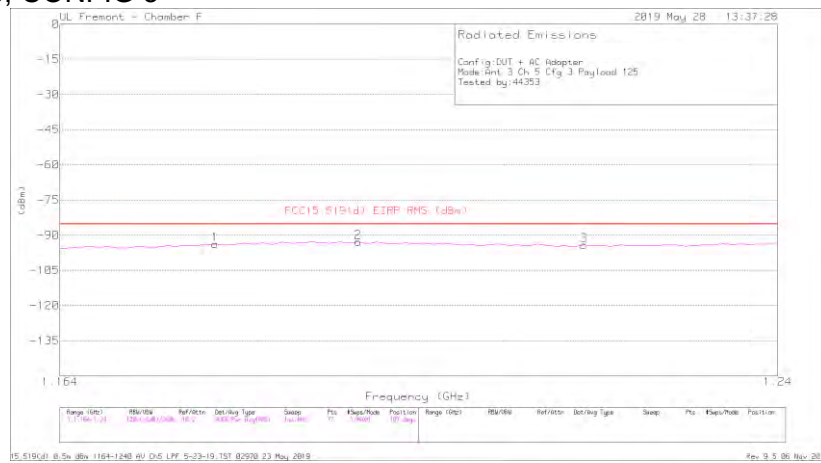


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9 LP Filter	EIRP (dBm)	FCC15.519(d) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.171	-89.55	RMS	27.7	-30.5	-15.5	11.8	.2	-95.85	-85.3	-10.55	63	150	H
2	1.201	-89.99	RMS	28.3	-30.5	-15.5	11.8	.2	-95.69	-85.3	-10.39	129	150	H
3	1.222	-89.89	RMS	28.5	-30.4	-15.5	11.8	.2	-95.29	-85.3	-9.99	195	150	H
4	1.178	-89.57	RMS	27.8	-30.5	-15.5	11.8	.2	-95.77	-85.3	-10.47	187	150	V
5	1.202	-89.57	RMS	28.3	-30.4	-15.5	11.8	.2	-95.17	-85.3	-9.87	276	150	V
6	1.228	-88.77	RMS	28.6	-30.4	-15.5	11.8	.2	-94.07	-85.3	-8.77	33	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	1.18	-87.68	RMS	27.9	-30.5	-15.5	11.8	2	-93.78	-85.3	-8.48	0	148	H
2	1.195	-86.95	RMS	28.1	-30.5	-15.5	11.8	2	-92.85	-85.3	-7.55	129	148	H
3	1.219	-88.68	RMS	28.5	-30.5	-15.5	11.8	2	-94.18	-85.3	-8.88	129	148	H
4	1.181	-87.54	RMS	28	-30.5	-15.5	11.8	2	-93.54	-85.3	-8.24	34	148	V
5	1.201	-87.89	RMS	28.3	-30.5	-15.5	11.8	2	-93.59	-85.3	-8.29	320	148	V
6	1.225	-88.82	RMS	28.5	-30.4	-15.5	11.8	2	-94.22	-85.3	-8.92	231	148	V

RMS - RMS detection

ANT. 3, CH9, CONFIG 3

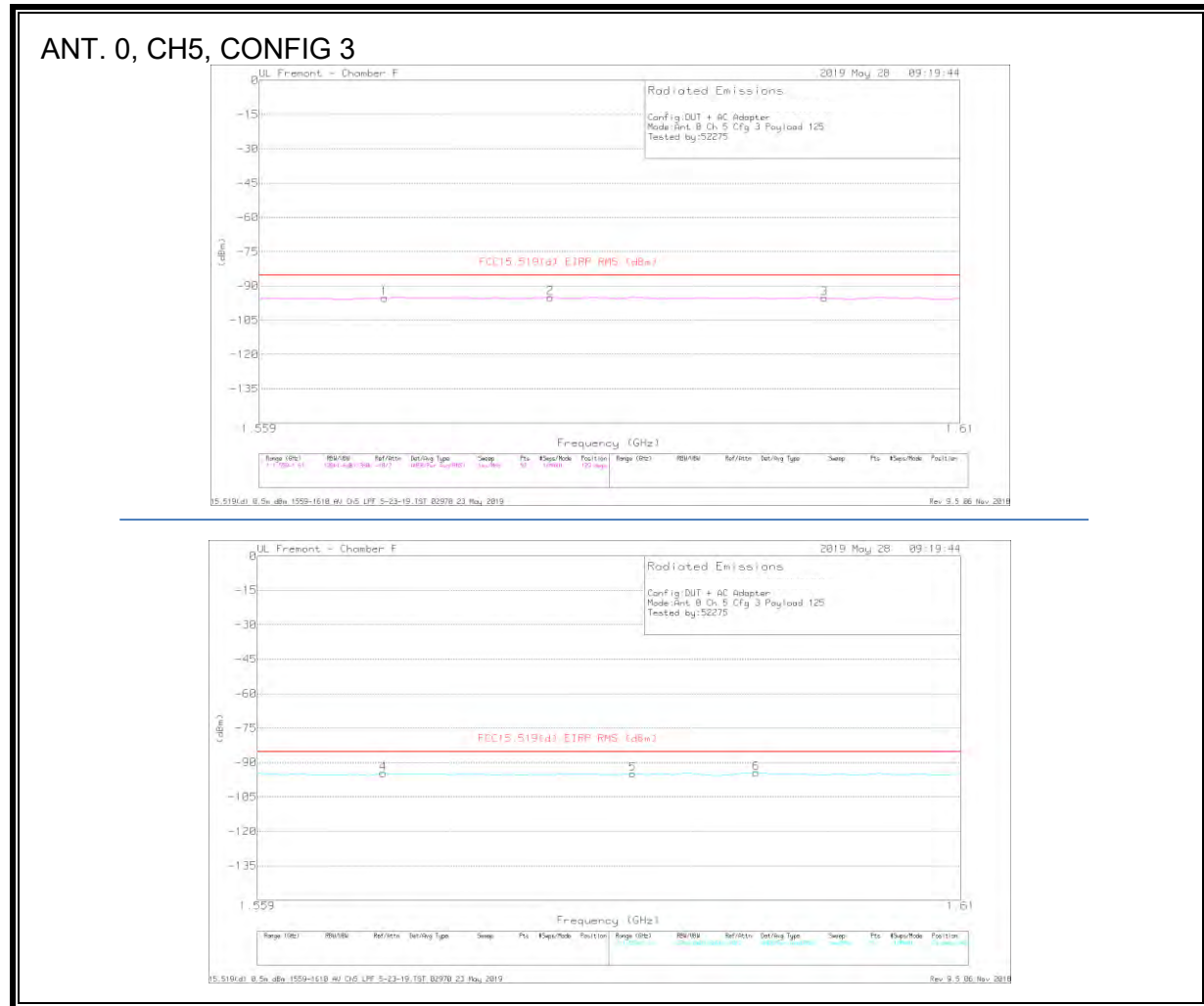


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9 LP Filter	EIRP (dBm)	FCC15.519(d) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.168	-83.8	RMS	27.7	-30.5	-15.5	11.8	2	-90.1	-85.3	-4.8	0	150	H
2	1.204	-85.44	RMS	28.3	-30.4	-15.5	11.8	2	-91.04	-85.3	-5.74	41	150	H
3	1.219	-83.09	RMS	28.5	-30.5	-15.5	11.8	2	-88.59	-85.3	-3.29	0	150	H
4	1.205	-83.73	RMS	28.3	-30.4	-15.5	11.8	2	-89.33	-85.3	-4.03	55	150	V
5	1.225	-81.64	RMS	28.5	-30.4	-15.5	11.8	2	-87.04	-85.3	-1.74	55	150	V
6	1.234	-82.89	RMS	28.7	-30.3	-15.5	11.8	2	-87.99	-85.3	-2.69	55	150	V

RMS - RMS detection

8.4.6. AVERAGE EMISSIONS, 1.559 – 1.610 GHz



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CHS LP Filter	Corrected Reading (dBm)	FCC15.519(d) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.568	-89.75	RMS	28	-30.1	-15.5	11.8	2	-95.35	-85.3	-10.05	41	148	H
2	1.58	-89.46	RMS	28	-30.1	-15.5	11.8	2	-95.06	-85.3	-9.76	217	148	H
3	1.6	-89.69	RMS	28.1	-30.2	-15.5	11.8	2	-95.29	-85.3	-9.99	217	148	H
4	1.568	-89.14	RMS	28	-30.1	-15.5	11.8	2	-94.74	-85.3	-9.44	187	148	V
5	1.586	-89.37	RMS	28.1	-30.1	-15.5	11.8	2	-94.87	-85.3	-9.57	276	148	V
6	1.595	-88.85	RMS	28.1	-30.2	-15.5	11.8	2	-94.45	-85.3	-9.15	99	148	V

RMS - RMS detection

ANT. 0, CH9, CONFIG 3



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9 LP Filter	EIRP (dBm)	FCC15.519(d) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.564	-90.49	RMS	28	-30.1	-15.5	11.8	.3	-95.99	-85.3	-10.69	239	150	H
2	1.567	-90.42	RMS	28.1	-30.1	-15.5	11.8	.3	-95.82	-85.3	-10.52	129	150	H
3	1.568	-90.34	RMS	28.1	-30.1	-15.5	11.8	.3	-95.74	-85.3	-10.44	305	150	H
4	1.562	-90.3	RMS	28	-30.1	-15.5	11.8	.3	-95.8	-85.3	-10.5	143	150	V
5	1.58	-90.3	RMS	28	-30.1	-15.5	11.8	.3	-95.8	-85.3	-10.5	121	150	V
6	1.592	-90.5	RMS	28.1	-30.2	-15.5	11.8	.3	-96	-85.3	-10.7	341	150	V

RMS - RMS detection

ANT. 1, CH5, CONFIG 3



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH5 LP Filter	Corrected Reading (dBm)	FCC15.519(d) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.57	-88.82	RMS	28	-30.1	-15.5	11.8	.2	-94.42	-85.3	-9.12	151	148	H
2	1.586	-88.81	RMS	28.1	-30.1	-15.5	11.8	.2	-94.31	-85.3	-9.01	20	148	H
3	1.602	-88.77	RMS	28	-30.2	-15.5	11.8	.2	-94.47	-85.3	-9.17	217	148	H
4	1.57	-89.39	RMS	28	-30.1	-15.5	11.8	.2	-94.99	-85.3	-9.69	165	148	V
5	1.585	-89.45	RMS	28.1	-30.1	-15.5	11.8	.2	-94.95	-85.3	-9.65	297	148	V
6	1.6	-89.25	RMS	28.1	-30.2	-15.5	11.8	.2	-94.85	-85.3	-9.55	144	148	V

RMS - RMS detection

15.519(d) 0.5m dBm 1559-1610 AV Ch5 LPF 5-23-19.TST 02970 23 May 2019

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	1.572	-90.8	RMS	28.1	-30.1	-15.5	11.8	.3	-96.2	-85.3	-10.9	0	150	H
2	1.578	-90.55	RMS	28.1	-30.1	-15.5	11.8	.3	-95.95	-85.3	-10.65	239	150	H
3	1.592	-90.54	RMS	28.1	-30.2	-15.5	11.8	.3	-96.04	-85.3	-10.74	305	150	H
4	1.571	-90.34	RMS	28.1	-30.1	-15.5	11.8	.3	-95.74	-85.3	-10.44	143	150	V
5	1.578	-90.67	RMS	28.1	-30.1	-15.5	11.8	.3	-96.07	-85.3	-10.77	231	150	V
6	1.589	-89.97	RMS	28.1	-30.2	-15.5	11.8	.3	-95.47	-85.3	-10.17	143	150	V

RMS - RMS detection

ANT. 2, CH5, CONFIG 3



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Amp/Cbi (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	1.573	-89.76	RMS	28.1	-30.1	-15.5	11.8	2	-95.26	-85.3	-9.96	151	148	H
2	1.586	-89.22	RMS	28.1	-30.1	-15.5	11.8	2	-94.72	-85.3	-9.42	0	148	H
3	1.599	-89.22	RMS	28.1	-30.2	-15.5	11.8	2	-94.82	-85.3	-9.52	217	148	H
4	1.573	-89.42	RMS	28.1	-30.1	-15.5	11.8	2	-94.92	-85.3	-9.62	209	148	V
5	1.586	-89.57	RMS	28.1	-30.1	-15.5	11.8	2	-95.07	-85.3	-9.77	319	148	V
6	1.599	-89.03	RMS	28.1	-30.2	-15.5	11.8	2	-94.63	-85.3	-9.33	165	148	V

RMS - RMS detection



Marker	Frequency (GHz)	Measuring Meter Reading (dBm)	Det	AF T348 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9 LP Filter	ERBP (dBm)	FCCL5,619(G) ERBP RMS (dBm)	MargIn (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.572	-90.63	RMS	28.1	-30.1	-15.5	11.8	3	-96.03	-85.3	-10.73	195	150	H
2	1.58	-90.29	RMS	28	-30.1	-15.5	11.8	3	-95.79	-85.3	-10.49	217	150	H
3	1.603	-89.61	RMS	28	-30.2	-15.5	11.8	3	-95.41	-85.3	-10.11	305	150	H
4	1.57	-90.25	RMS	28	-30.1	-15.5	11.8	3	-95.75	-85.3	-10.45	209	150	V
5	1.58	-90.11	RMS	28	-30.1	-15.5	11.8	3	-95.61	-85.3	-10.31	77	150	V
6	1.596	-89.79	RMS	28.1	-30.2	-15.5	11.8	3	-95.29	-85.3	-9.99	143	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	-89.24	RMS	28.1	-30.1	-15.5	11.8	.2	-94.74	-85.3	-9.44	327	148	H
2	1.587	-89.47	RMS	28.1	-30.1	-15.5	11.8	.2	-94.97	-85.3	-9.67	41	148	H
3	1.596	-89.16	RMS	28.1	-30.2	-15.5	11.8	.2	-94.76	-85.3	-9.46	63	148	H
4	1.571	-89.39	RMS	28.1	-30.1	-15.5	11.8	.2	-94.89	-85.3	-9.59	34	148	V
5	1.582	-88.88	RMS	28	-30.1	-15.5	11.8	.2	-94.48	-85.3	-9.18	34	148	V
6	1.599	-89.14	RMS	28.1	-30.2	-15.5	11.8	.2	-94.74	-85.3	-9.44	78	148	V

RMS - RMS detection

ANT. 3, CH9, CONFIG 3



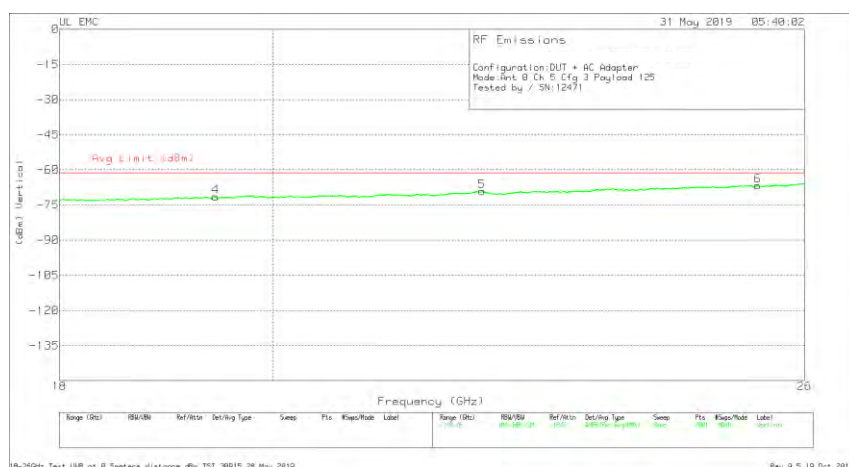
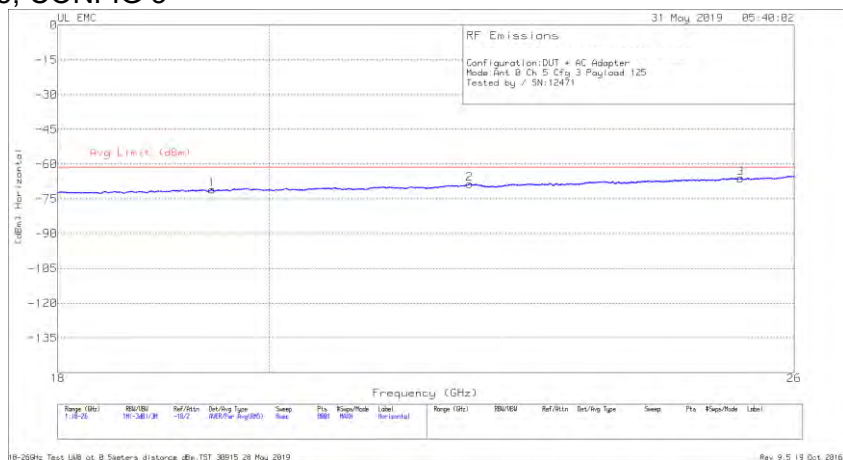
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dBm)	Amp/Cbl (dB)	Dist Correction (dB)	Conversion Factor (dB)	CH9 LP Filter	EIRP (dBm)	FCC15.519(d) EIRP RMS (dBm)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.568	-90.56	RMS	28	-30.1	-15.5	11.8	.3	-96.06	-85.3	-10.76	188	150	H
2	1.586	-90.72	RMS	28.1	-30.1	-15.5	11.8	.3	-96.12	-85.3	-10.82	188	150	H
3	1.6	-90.37	RMS	28.1	-30.2	-15.5	11.8	.3	-95.87	-85.3	-10.57	297	150	H
4	1.572	-89.86	RMS	28.1	-30.1	-15.5	11.8	.3	-95.26	-85.3	-9.96	217	150	V
5	1.586	-90.24	RMS	28.1	-30.1	-15.5	11.8	.3	-95.64	-85.3	-10.34	217	150	V
6	1.596	-90.02	RMS	28.1	-30.2	-15.5	11.8	.3	-95.52	-85.3	-10.22	85	150	V

RMS - RMS detection

8.4.7. AVERAGE EMISSIONS, 18 - 26 GHz

ANT. 0, CH5, CONFIG 3

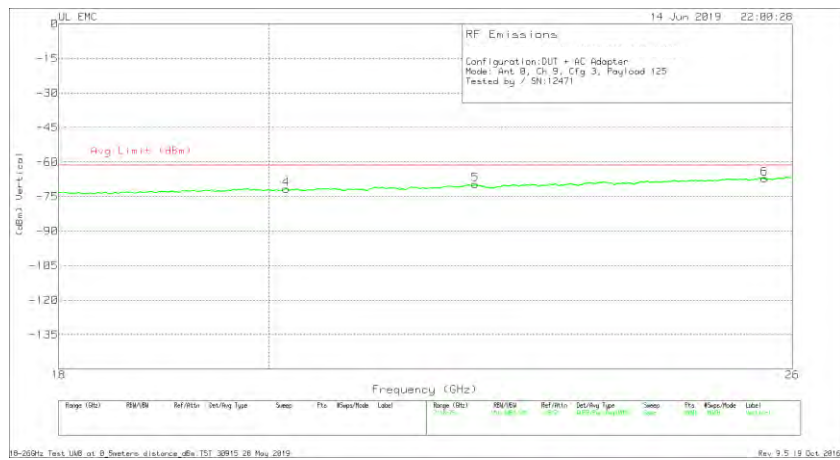
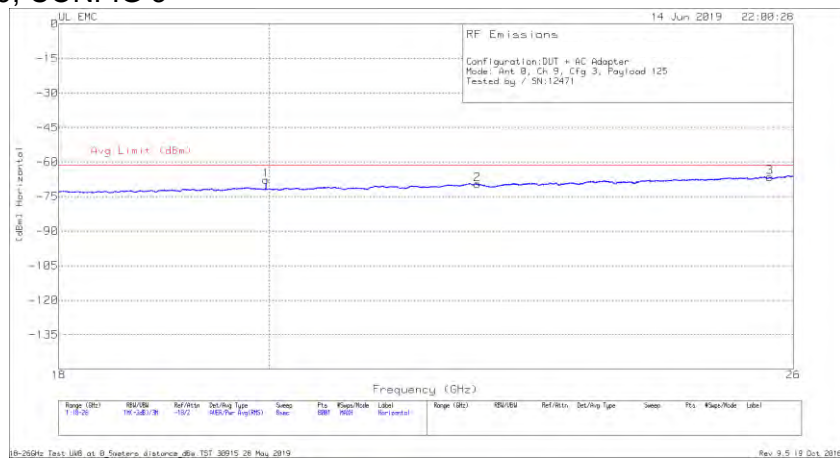


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	T447 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Conversion Factor (dB)	EIRP (dBm)	Avg Limit (dBm)	Margin (dB)	Polarity
1	19.443	-78.82	RMS	32.8	-21.2	-15.6	11.8	-71.02	-61.3	-9.72	H
2	22.108	-77.97	RMS	33.4	-20.2	-15.6	11.8	-68.57	-61.3	-7.27	H
3	25.312	-77	RMS	34.5	-19.8	-15.6	11.8	-66.1	-61.3	-4.8	H
4	19.442	-79.3	RMS	32.8	-21.2	-15.6	11.8	-71.5	-61.3	-10.2	V
5	22.173	-78.65	RMS	33.4	-20.1	-15.6	11.8	-69.15	-61.3	-7.85	V
6	25.405	-77.63	RMS	34.5	-19.8	-15.6	11.8	-66.73	-61.3	-5.43	V

RMS - RMS detection

ANT. 0, CH9, CONFIG 3

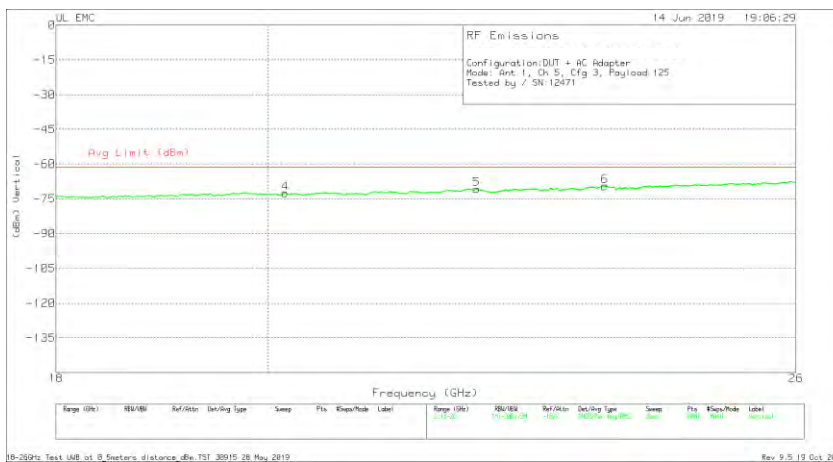
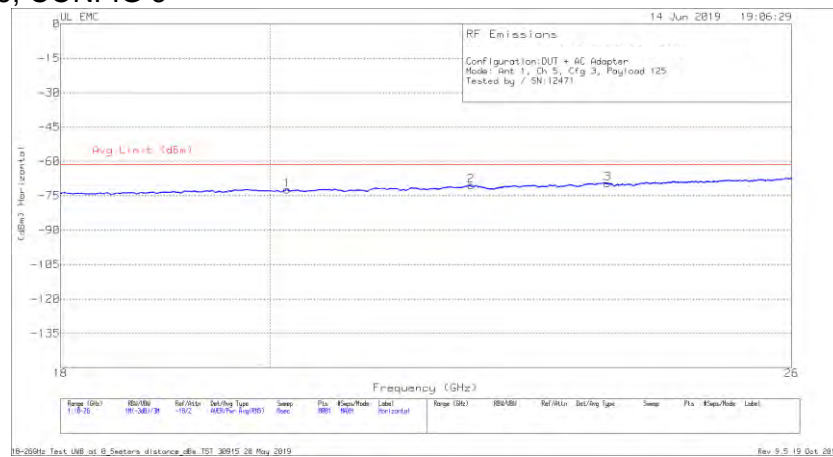


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	T447 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Conversion Factor (dB)	Corrected Reading (dBm)	Avg Limit (dBm)	Margin (dB)
1	19.968	-75.06	RMS	32.7	-21.6	-15.6	11.8	-67.76	-61.3	-6.46
2	22.197	-79.04	RMS	33.4	-20.1	-15.6	11.8	-69.54	-61.3	-8.24
3	25.695	-77.12	RMS	34.4	-20	-15.6	11.8	-66.52	-61.3	-5.22
4	20.176	-79.73	RMS	32.8	-20.9	-15.6	11.8	-71.63	-61.3	-10.33
5	22.181	-79.15	RMS	33.4	-20	-15.6	11.8	-69.55	-61.3	-8.25
6	25.638	-77.68	RMS	34.4	-20	-15.6	11.8	-67.08	-61.3	-5.78

RMS - RMS detection

ANT. 1, CH5, CONFIG 3

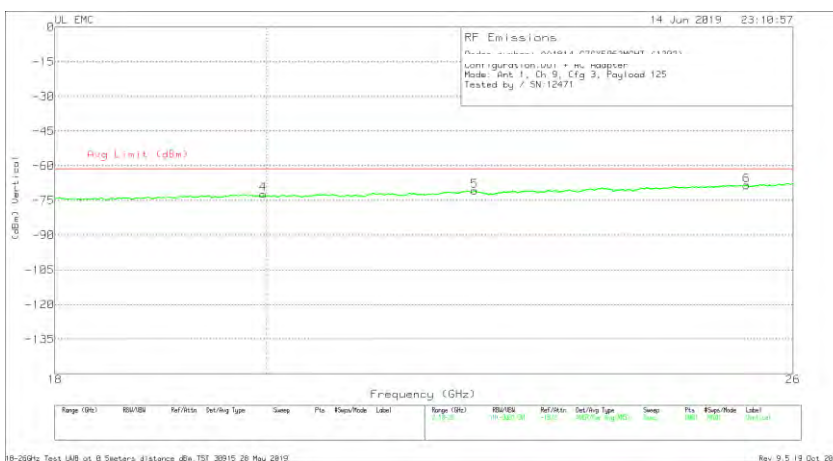
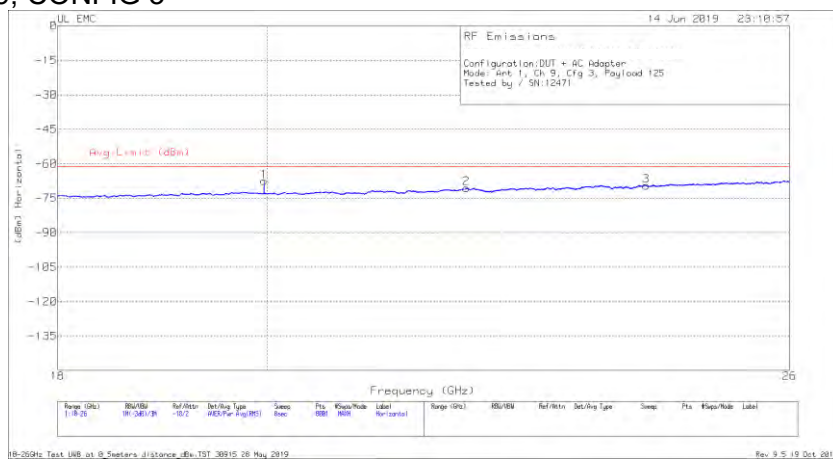


Trace Markers

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	20.173	-80.35	RMS	32.7	-20.9	-15.6	11.8	-72.35	-61.3	-11.05	H
2	22.129	-79.65	RMS	33.4	-20.4	-15.6	11.8	-70.45	-61.3	-9.15	H
3	23.7	-80.16	RMS	34.1	-19.7	-15.6	11.8	-69.56	-61.3	-8.26	H
4	20.171	-80.5	RMS	32.7	-20.9	-15.6	11.8	-72.5	-61.3	-11.2	V
5	22.182	-80.32	RMS	33.4	-20	-15.6	11.8	-70.72	-61.3	-9.42	V
6	23.644	-80.09	RMS	34.1	-19.7	-15.6	11.8	-69.49	-61.3	-8.19	V

RMS - RMS detection

ANT. 1, CH9, CONFIG 3

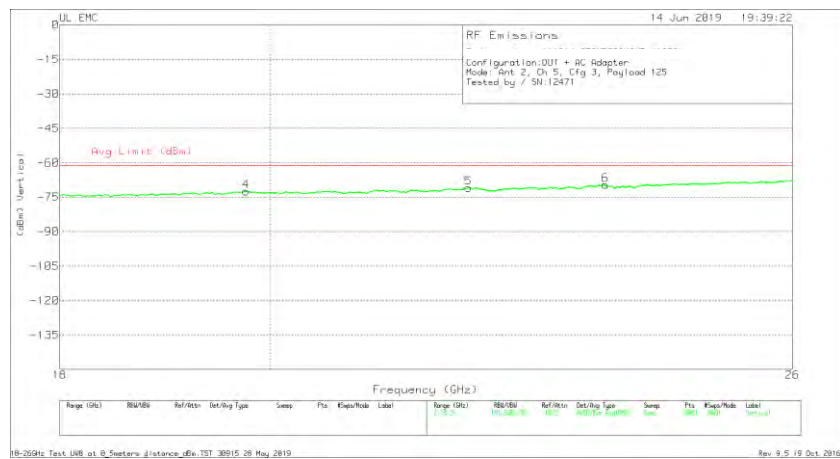
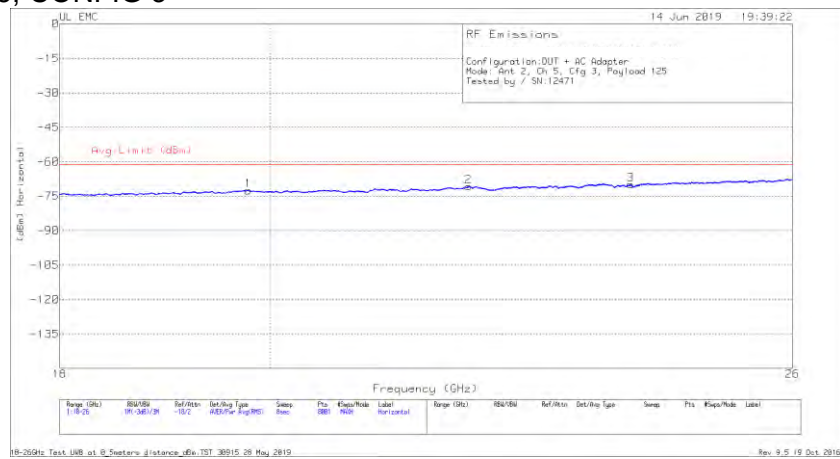


Trace Markers

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	-74.8	RMS	32.7	-21.6	-15.6	11.8	-67.5	-61.3	-6.2	H
2	22.102	-79.93	RMS	33.4	-20.3	-15.6	11.8	-70.63	-61.3	-9.33	H
3	24.194	-80.52	RMS	34.2	-19.4	-15.6	11.8	-69.52	-61.3	-8.22	H
4	19.968	-79.48	RMS	32.7	-21.6	-15.6	11.8	-72.18	-61.3	-10.88	V
5	22.185	-80.36	RMS	33.4	-20	-15.6	11.8	-70.76	-61.3	-9.46	V
6	25.404	-79.28	RMS	34.5	-19.8	-15.6	11.8	-68.38	-61.3	-7.08	V

RMS - RMS detection

ANT. 2, CH5, CONFIG 3

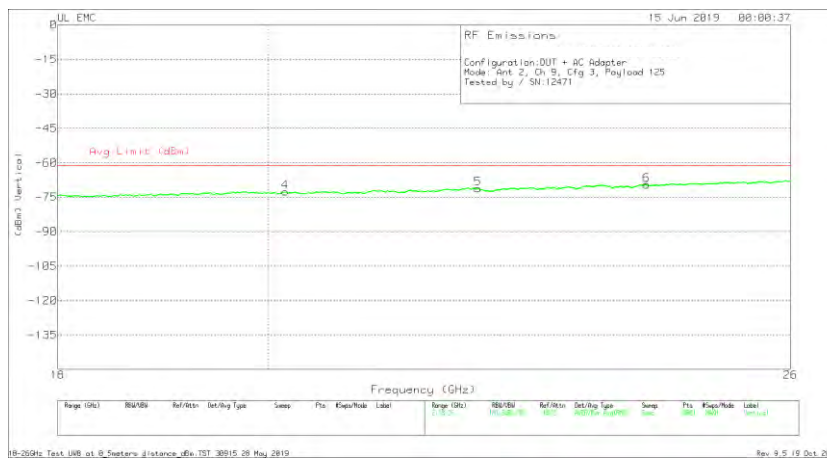
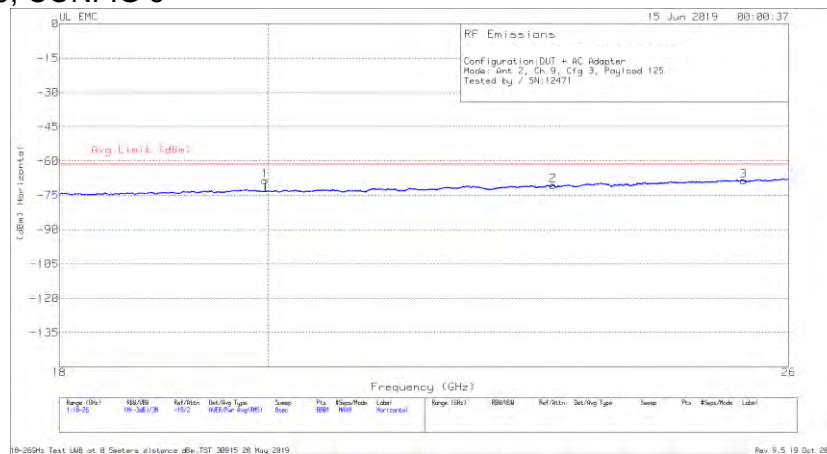


Trace Markers

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	19.788	-80.06	RMS	32.7	-21.3	-15.6	11.8	-72.46	-61.3	-11.16	H
2	22.098	-80.11	RMS	33.4	-20.3	-15.6	11.8	-70.81	-61.3	-9.51	H
3	23.973	-80.74	RMS	34.3	-19.6	-15.6	11.8	-69.84	-61.3	-8.54	H
4	19.764	-79.98	RMS	32.7	-21.4	-15.6	11.8	-72.48	-61.3	-11.18	V
5	22.098	-80.2	RMS	33.4	-20.3	-15.6	11.8	-70.9	-61.3	-9.6	V
6	23.668	-80.14	RMS	34.1	-19.8	-15.6	11.8	-69.64	-61.3	-8.34	V

RMS - RMS detection

ANT. 2, CH9, CONFIG 3

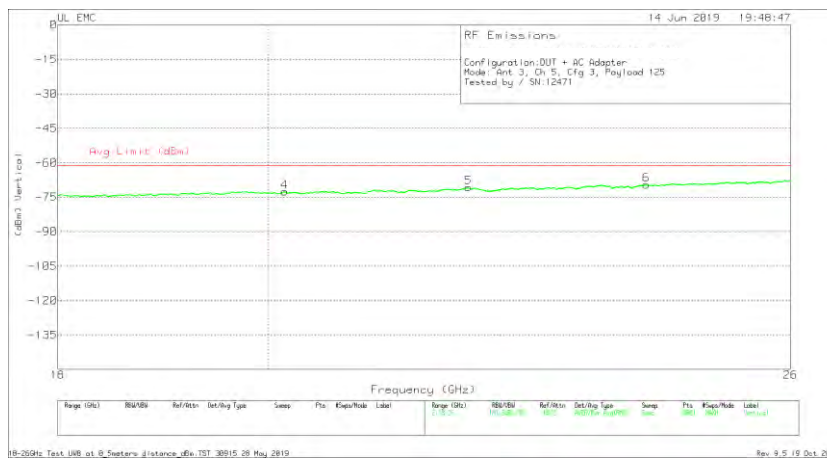
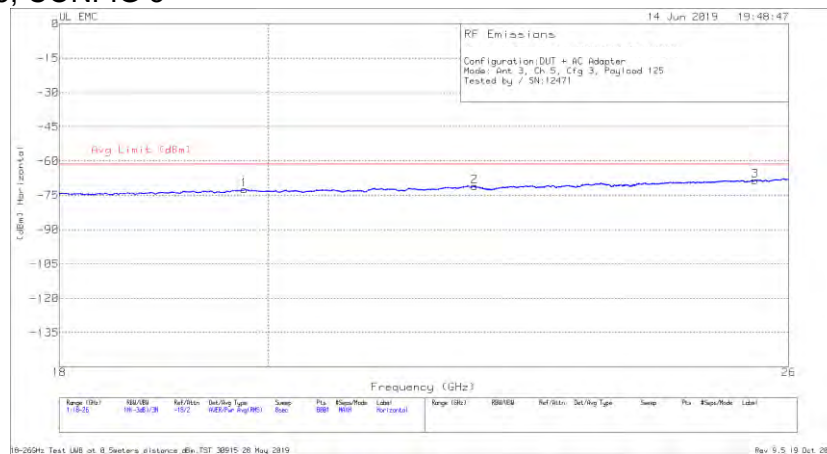


Trace Markers

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	-75.78	RMS	32.7	-21.6	-15.6	11.8	-68.48	-61.3	-7.18	H
2	23.085	-80.38	RMS	33.6	-19.9	-15.6	11.8	-70.48	-61.3	-9.18	H
3	25.414	-79.42	RMS	34.5	-19.8	-15.6	11.8	-68.52	-61.3	-7.22	H
4	20.178	-80.69	RMS	32.8	-20.9	-15.6	11.8	-72.59	-61.3	-11.29	V
5	22.225	-80.78	RMS	33.5	-20.2	-15.6	11.8	-71.3	-61.3	-10	V
6	24.187	-80.74	RMS	34.2	-19.2	-15.6	11.8	-69.54	-61.3	-8.24	V

RMS - RMS detection

ANT. 3, CH5, CONFIG 3

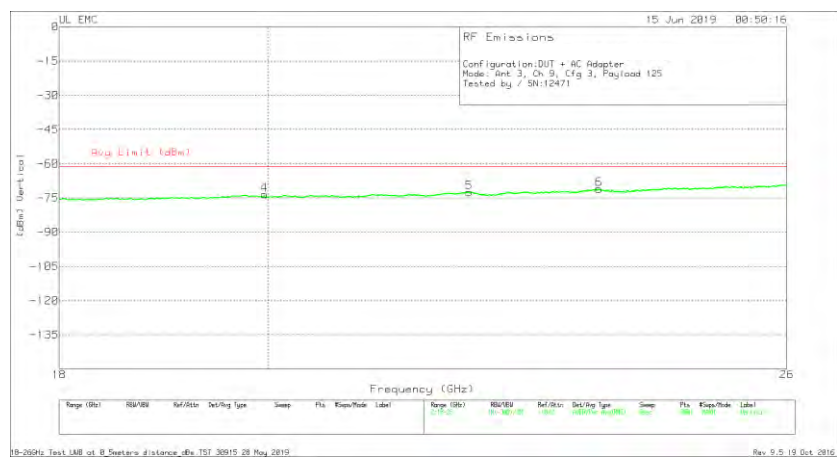
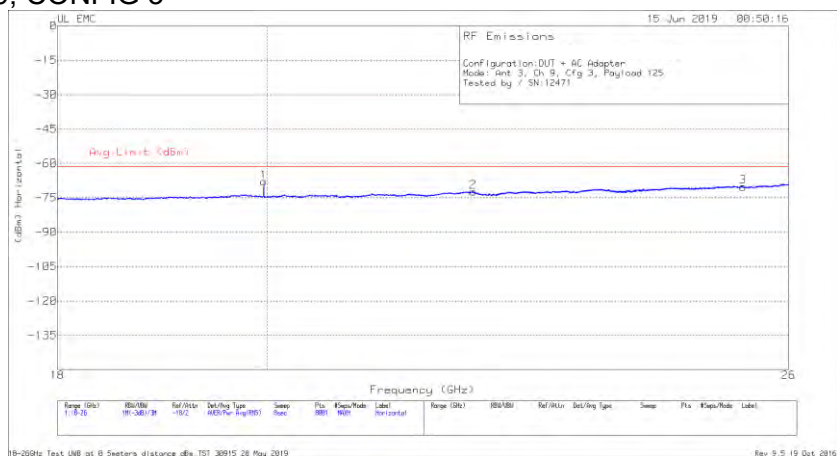


Trace Markers

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	19.759	-80.04	RMS	32.7	-21.3	-15.6	11.8	-72.44	-61.3	-11.14	H
2	22.192	-80.42	RMS	33.4	-20.1	-15.6	11.8	-70.92	-61.3	-9.62	H
3	25.561	-79.21	RMS	34.5	-19.9	-15.6	11.8	-68.41	-61.3	-7.11	H
4	20.172	-80.52	RMS	32.7	-20.9	-15.6	11.8	-72.52	-61.3	-11.22	V
5	22.118	-80.02	RMS	33.4	-20.3	-15.6	11.8	-70.72	-61.3	-9.42	V
6	24.186	-80.68	RMS	34.2	-19.2	-15.6	11.8	-69.48	-61.3	-8.18	V

RMS - RMS detection

ANT. 3, CH9, CONFIG 3



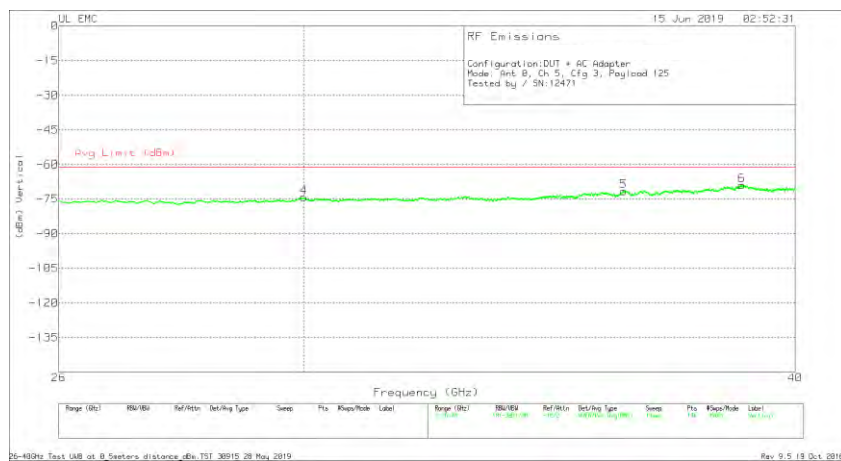
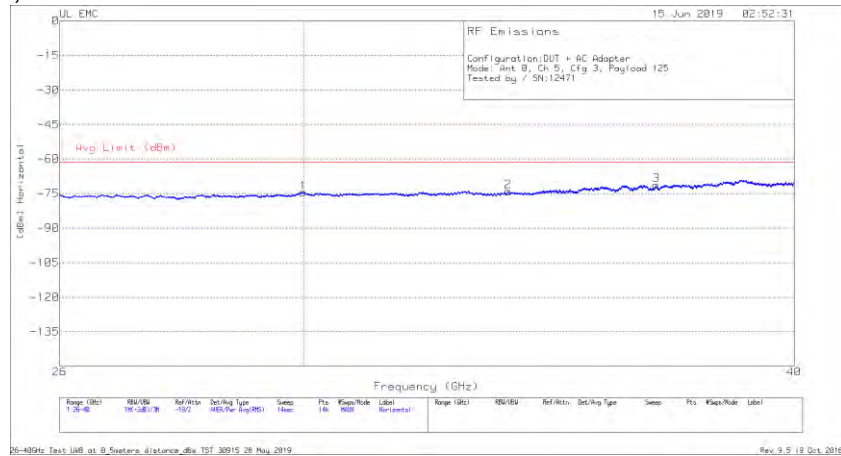
Trace Markers

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	-75.24	RMS	32.7	-21.6	-15.6	11.8	-67.94	-61.3	-6.64	H
2	22.184	-81.9	RMS	33.4	-20	-15.6	11.8	-72.3	-61.3	-11	H
3	25.411	-81.09	RMS	34.5	-19.8	-15.6	11.8	-70.19	-61.3	-8.89	H
4	19.968	-80.79	RMS	32.7	-21.6	-15.6	11.8	-73.49	-61.3	-12.19	V
5	22.142	-81.66	RMS	33.4	-20.5	-15.6	11.8	-72.56	-61.3	-11.26	V
6	23.643	-81.69	RMS	34.1	-19.7	-15.6	11.8	-71.09	-61.3	-9.79	V

RMS - RMS detection

8.4.8. AVERAGE EMISSIONS, 26 – 40 GHz

ANT. 0, CH5, CONFIG 3

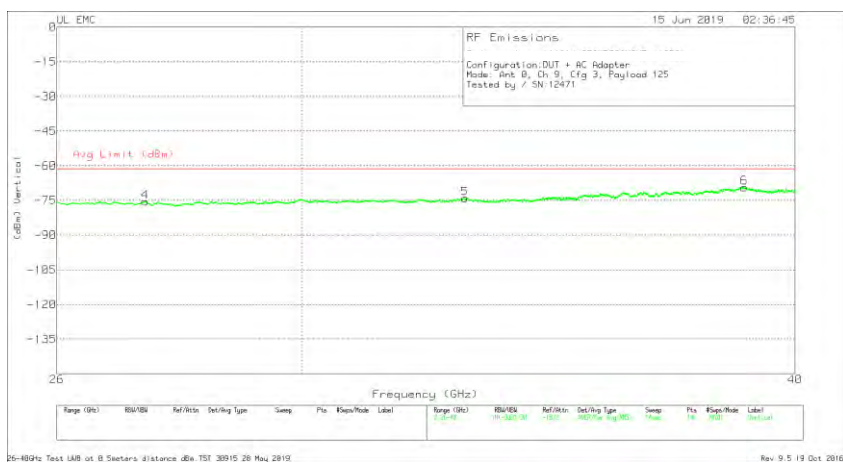
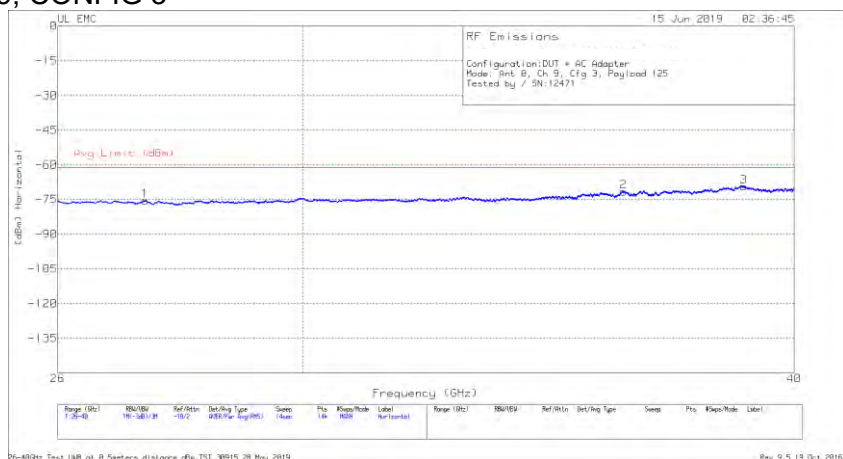


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	T446 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Conversion Factor (dB)	EIRP (dBm)	Avg Limit (dBm)	Margin (dB)	Polarity
1	29.987	-78.84	RMS	36.6	-28.5	-15.6	11.8	-74.54	-61.3	-13.24	H
2	33.818	-79.52	RMS	37.3	-28	-15.6	11.8	-74.02	-61.3	-12.72	H
3	36.883	-77.83	RMS	37.7	-27.3	-15.6	11.8	-71.23	-61.3	-9.93	H
4	30.005	-78.65	RMS	36.6	-28.4	-15.6	11.8	-74.25	-61.3	-12.95	V
5	36.181	-77.64	RMS	37.5	-27.6	-15.6	11.8	-71.54	-61.3	-10.24	V
6	38.765	-76.73	RMS	38.4	-26.8	-15.6	11.8	-68.93	-61.3	-7.63	V

RMS - RMS detection

ANT. 0, CH9, CONFIG 3

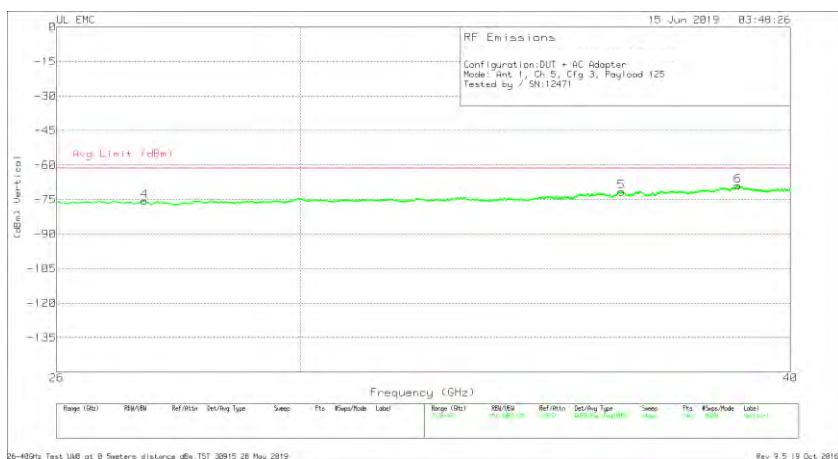
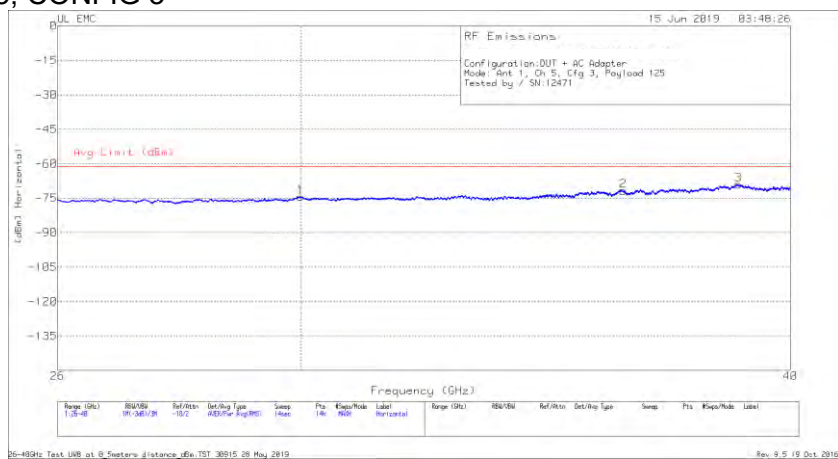


Trace Markers

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	27.362	-76.77	RMS	35.8	-30.8	-15.6	11.8	-75.57	-61.3	-14.27	H
2	36.195	-77.47	RMS	37.3	-27.6	-15.6	11.8	-71.57	-61.3	-10.27	H
3	38.838	-77.31	RMS	38.4	-26.7	-15.6	11.8	-69.41	-61.3	-8.11	H
4	27.376	-76.79	RMS	35.9	-30.8	-15.6	11.8	-75.49	-61.3	-14.19	V
5	32.991	-78.49	RMS	37.1	-28.9	-15.6	11.8	-74.09	-61.3	-12.79	V
6	38.824	-77.38	RMS	38.5	-26.7	-15.6	11.8	-69.38	-61.3	-8.08	V

RMS - RMS detection

ANT. 1, CH5, CONFIG 3

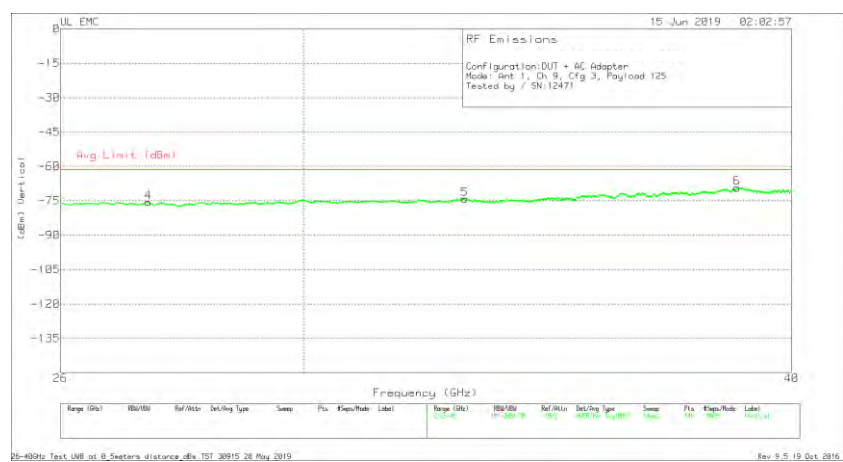
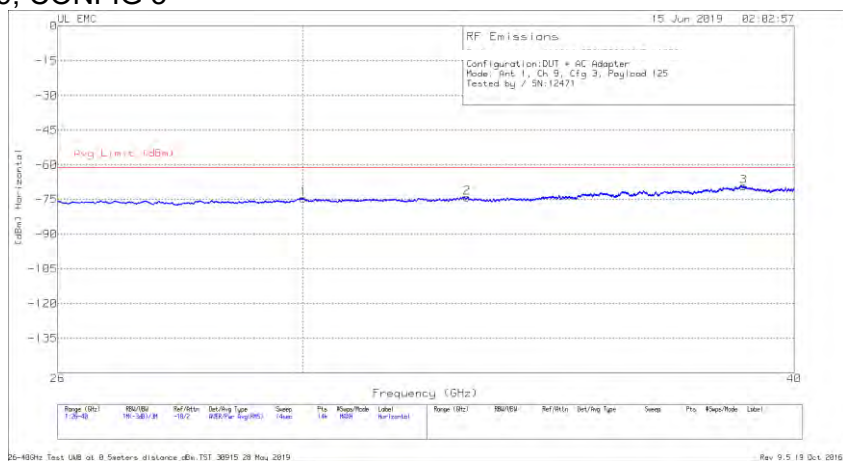


Trace Markers

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	29.988	-78.78	RMS	36.6	-28.5	-15.6	11.8	-74.48	-61.3	-13.18	H
2	36.25	-77.78	RMS	37.4	-27.6	-15.6	11.8	-71.78	-61.3	-10.48	H
3	38.788	-76.85	RMS	38.3	-26.7	-15.6	11.8	-69.05	-61.3	-7.75	H
4	27.377	-76.89	RMS	35.9	-30.8	-15.6	11.8	-75.59	-61.3	-14.29	V
5	36.222	-77.55	RMS	37.6	-27.8	-15.6	11.8	-71.55	-61.3	-10.25	V
6	38.784	-76.68	RMS	38.3	-26.7	-15.6	11.8	-68.88	-61.3	-7.58	V

RMS - RMS detection

ANT. 1, CH9, CONFIG 3

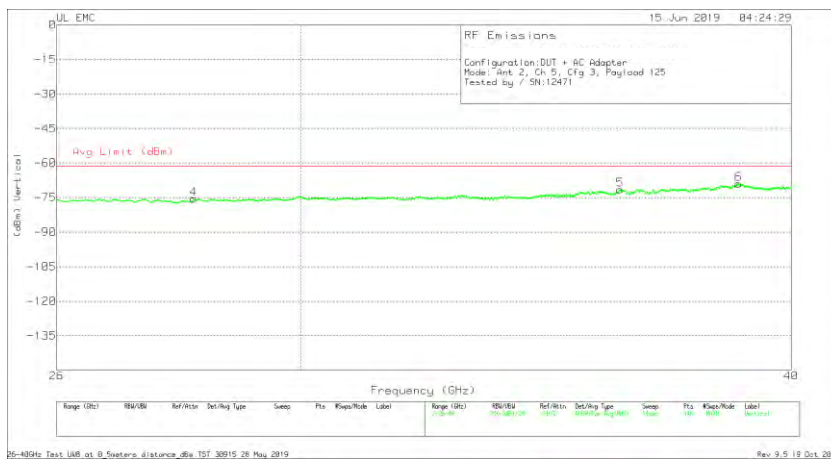
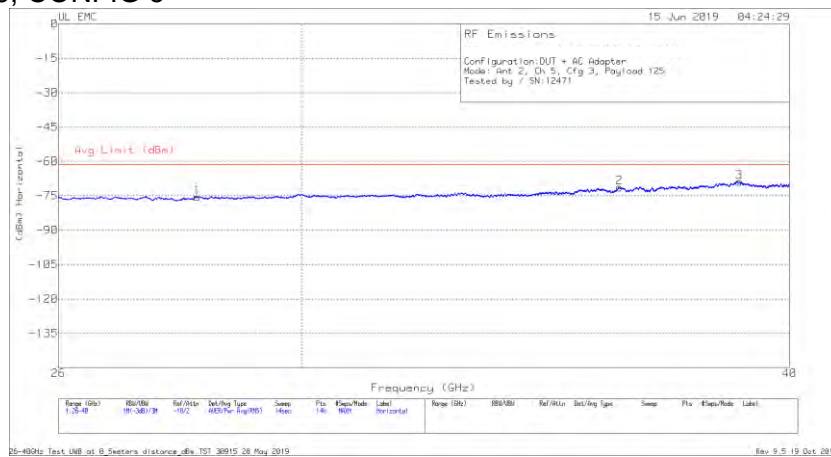


Trace Markers

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	30.018	-79.01	RMS	36.7	-28.5	-15.6	11.8	-74.61	-61.3	-13.31	H
2	33.03	-78.81	RMS	37.2	-28.7	-15.6	11.8	-74.11	-61.3	-12.81	H
3	38.83	-77.19	RMS	38.4	-26.7	-15.6	11.8	-69.29	-61.3	-7.99	H
4	27.378	-76.93	RMS	35.9	-30.8	-15.6	11.8	-75.63	-61.3	-14.33	V
5	32.993	-78.44	RMS	37.1	-29	-15.6	11.8	-74.14	-61.3	-12.84	V
6	38.731	-76.98	RMS	38.2	-26.7	-15.6	11.8	-69.28	-61.3	-7.98	V

RMS - RMS detection

ANT. 2, CH5, CONFIG 3

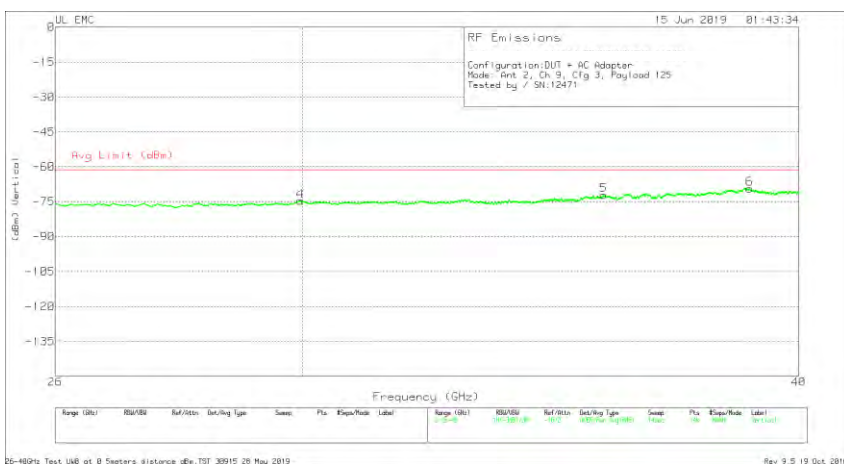
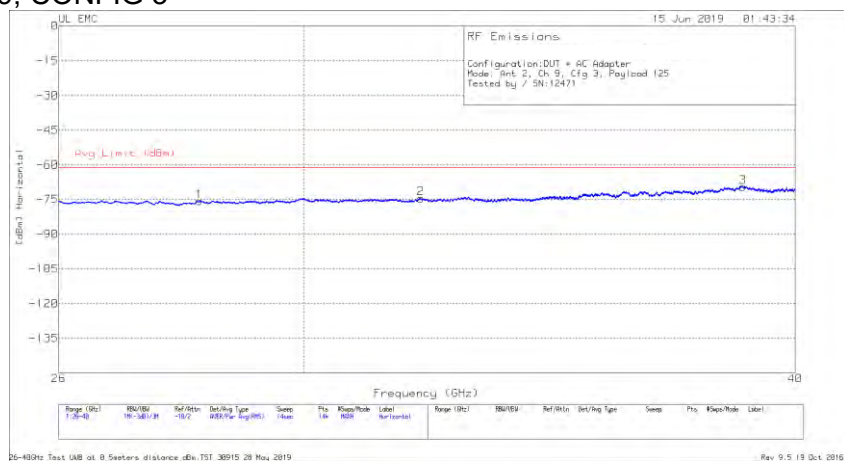


Trace Markers

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	28.215	-78.19	RMS	36	-29.6	-15.6	11.8	-75.59	-61.3	-14.29	H
2	36.183	-77.33	RMS	37.4	-27.6	-15.6	11.8	-71.33	-61.3	-10.03	H
3	38.833	-76.79	RMS	38.4	-26.7	-15.6	11.8	-68.89	-61.3	-7.59	H
4	28.174	-78.29	RMS	36.1	-29.5	-15.6	11.8	-75.49	-61.3	-14.19	V
5	36.178	-77.62	RMS	37.5	-27.6	-15.6	11.8	-71.52	-61.3	-10.22	V
6	38.777	-76.79	RMS	38.3	-26.7	-15.6	11.8	-68.99	-61.3	-7.69	V

RMS - RMS detection

ANT. 2, CH9, CONFIG 3

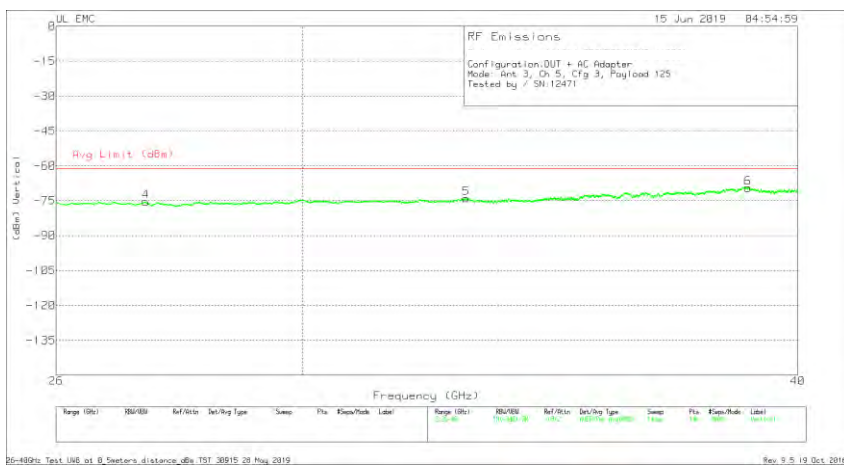
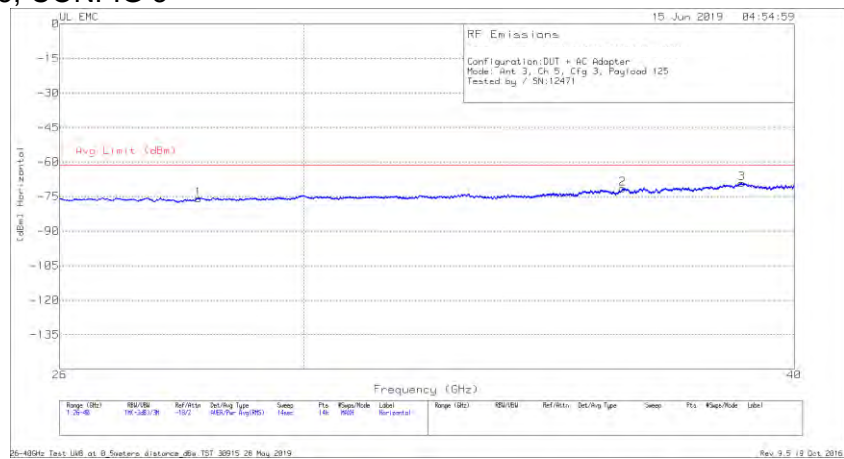


Trace Markers

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	28.227	-78.36	RMS	36.1	-29.7	-15.6	11.8	-75.76	-61.3	-14.46	H
2	32.131	-78.4	RMS	36.5	-28.8	-15.6	11.8	-74.5	-61.3	-13.2	H
3	38.79	-77.25	RMS	38.2	-26.7	-15.6	11.8	-69.55	-61.3	-8.25	H
4	29.966	-79.06	RMS	36.7	-28.4	-15.6	11.8	-74.56	-61.3	-13.26	V
5	35.721	-78.97	RMS	37.7	-27	-15.6	11.8	-72.07	-61.3	-10.77	V
6	38.878	-77.45	RMS	38.4	-26.5	-15.6	11.8	-69.35	-61.3	-8.05	V

RMS - RMS detection

ANT. 3, CH5, CONFIG 3

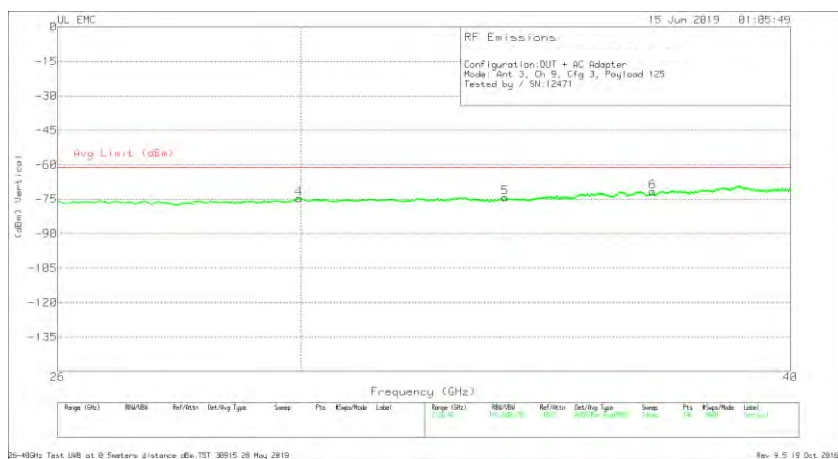
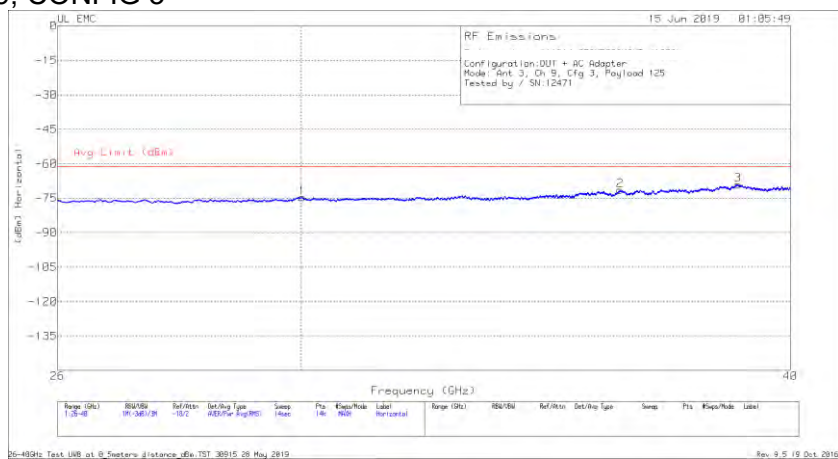


Trace Markers

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	28.204	-78.38	RMS	36	-29.6	-15.6	11.8	-75.78	-61.3	-14.48	H
2	36.171	-77.54	RMS	37.6	-27.7	-15.6	11.8	-71.44	-61.3	-10.14	H
3	38.782	-76.89	RMS	38.3	-26.7	-15.6	11.8	-69.09	-61.3	-7.79	H
4	27.386	-76.73	RMS	35.9	-30.8	-15.6	11.8	-75.43	-61.3	-14.13	V
5	32.987	-78.48	RMS	37.2	-28.9	-15.6	11.8	-73.98	-61.3	-12.68	V
6	38.857	-77.28	RMS	38.2	-26.6	-15.6	11.8	-69.48	-61.3	-8.18	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	30.022	-79.11	RMS	36.7	-28.5	-15.6	11.8	-74.71	-61.3	-13.41	H
2	36.186	-77.48	RMS	37.4	-27.6	-15.6	11.8	-71.48	-61.3	-10.18	H
3	38.78	-76.89	RMS	38.3	-26.7	-15.6	11.8	-69.09	-61.3	-7.79	H
4	29.962	-79.16	RMS	36.7	-28.4	-15.6	11.8	-74.66	-61.3	-13.36	V
5	33.821	-79.75	RMS	37.3	-28	-15.6	11.8	-74.25	-61.3	-12.95	V
6	36.888	-78.24	RMS	37.7	-27.3	-15.6	11.8	-71.64	-61.3	-10.34	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.

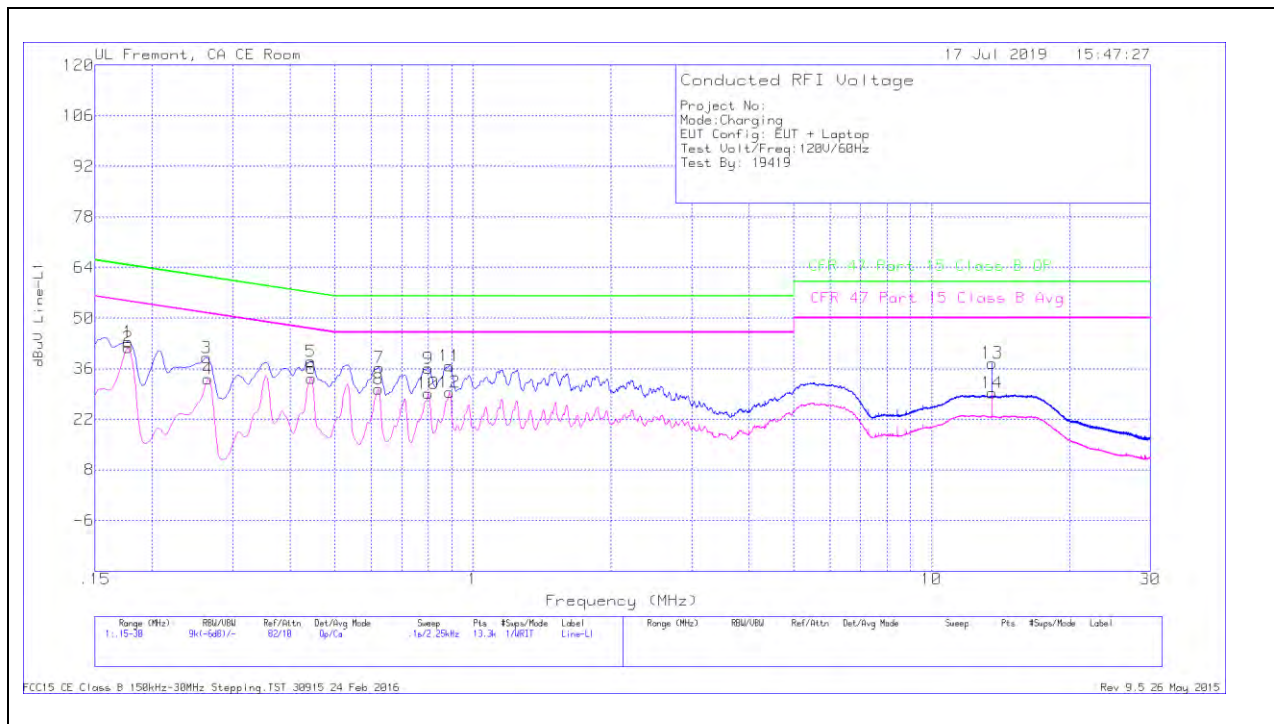
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

8.5.1. AC Power Line Host

LINE 1 RESULTS



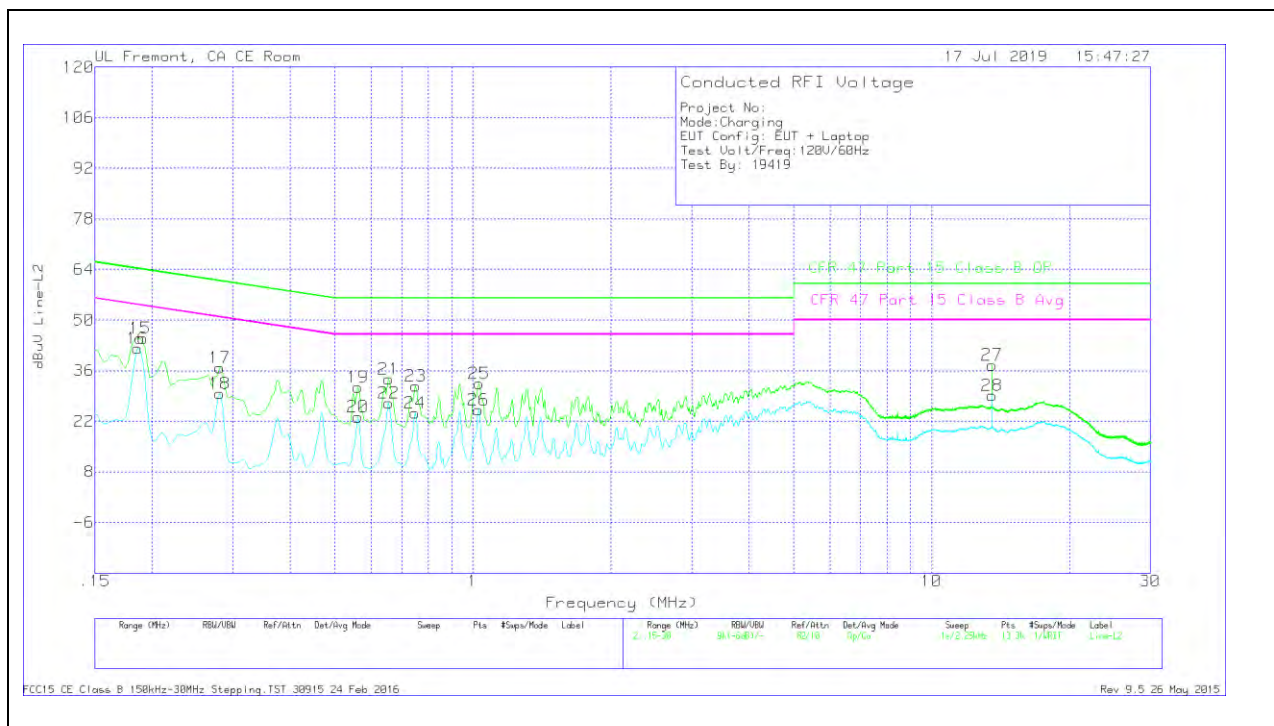
Range 1: Line-L1 .15 - 30MHz

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	.177	33.21	Qp	0	0	10.1	43.31	64.63	-21.32	-	-
2	.177	31.77	Ca	0	0	10.1	41.87	-	-	54.63	-12.76
3	.2625	28.95	Qp	0	0	10.1	39.05	61.35	-22.3	-	-
4	.26475	23	Ca	0	0	10.1	33.1	-	-	51.28	-18.18
5	.44362	27.89	Qp	0	0	10.1	37.99	56.99	-19	-	-
6	.44475	23.23	Ca	0	0	10.1	33.33	-	-	46.97	-13.64
7	.62475	26.13	Qp	0	0	10.1	36.23	56	-19.77	-	-
8	.6225	20.28	Ca	0	0	10.1	30.38	-	-	46	-15.62
9	.80025	25.98	Qp	0	0	10.1	36.08	56	-19.92	-	-
10	.80025	19.09	Ca	0	0	10.1	29.19	-	-	46	-16.81
11	.89025	26.76	Qp	0	0	10.1	36.86	56	-19.14	-	-
12	.89025	19.31	Ca	0	0	10.1	29.41	-	-	46	-16.59
13	13.56	27.07	Qp	.1	.2	10.2	37.57	60	-22.43	-	-
14	13.56	18.83	Ca	.1	.2	10.2	29.33	-	-	50	-20.67

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz

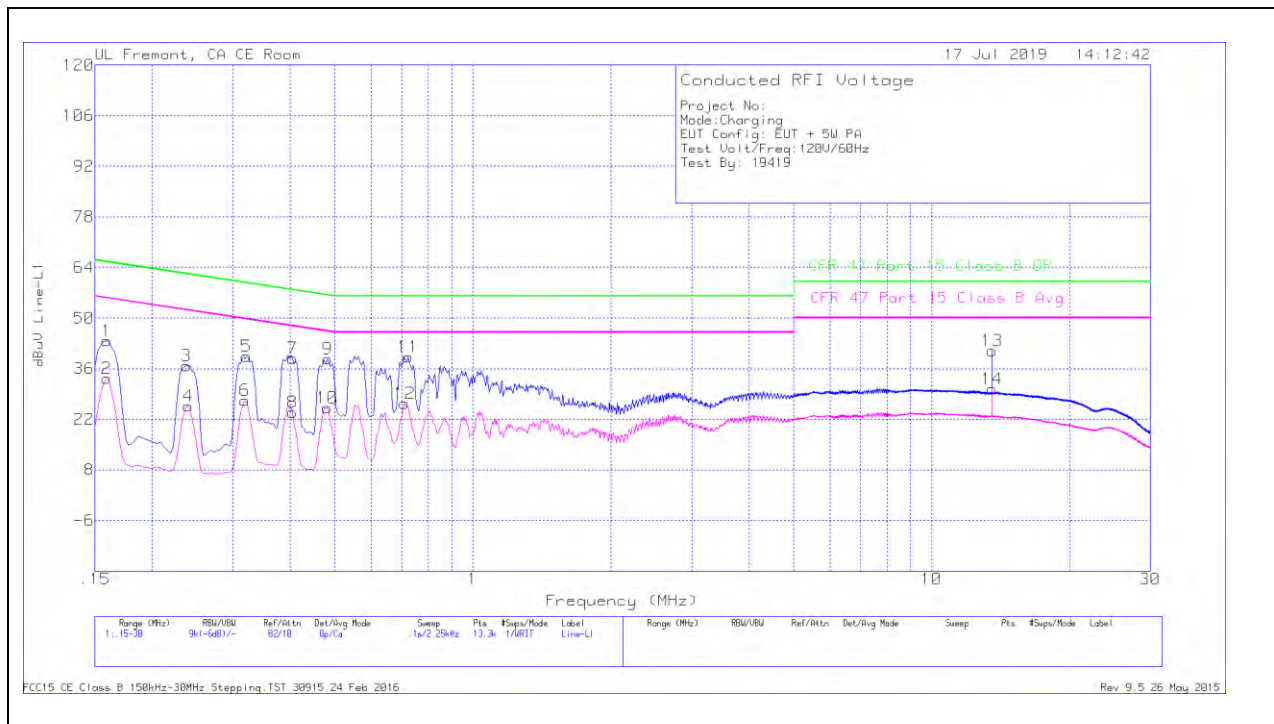
Marker	Frequency (MHz)	Meter Reading (dBUV)	Det	LISN L2	LC Cables C2&C3	Limiter (dB)	Corrected Reading dBUV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
15	.18825	34.85	Qp	0	0	10.1	44.95	64.11	-19.16	-	-
16	.186	32.03	Ca	0	0	10.1	42.13	-	-	54.21	-12.08
17	.2805	26.63	Qp	0	0	10.1	36.73	60.8	-24.07	-	-
18	.2805	19.54	Ca	0	0	10.1	29.64	-	-	50.8	-21.16
19	.56175	21.22	Qp	0	0	10.1	31.32	56	-24.68	-	-
20	.56175	13.05	Ca	0	0	10.1	23.15	-	-	46	-22.85
21	.65625	23.54	Qp	0	0	10.1	33.64	56	-22.36	-	-
22	.65625	16.96	Ca	0	0	10.1	27.06	-	-	46	-18.94
23	.75075	21.67	Qp	0	0	10.1	31.77	56	-24.23	-	-
24	.7485	14.14	Ca	0	0	10.1	24.24	-	-	46	-21.76
25	1.032	22.25	Qp	0	.1	10.1	32.45	56	-23.55	-	-
26	1.02975	14.9	Ca	0	.1	10.1	25.1	-	-	46	-20.9
27	13.56	27.07	Qp	.1	.2	10.2	37.57	60	-22.43	-	-
28	13.56	18.6	Ca	.1	.2	10.2	29.1	-	-	50	-20.9

Qp - Quasi-Peak detector

Ca - CISPR average detection

8.5.2. AC Power Line Norm

LINE 1 RESULTS



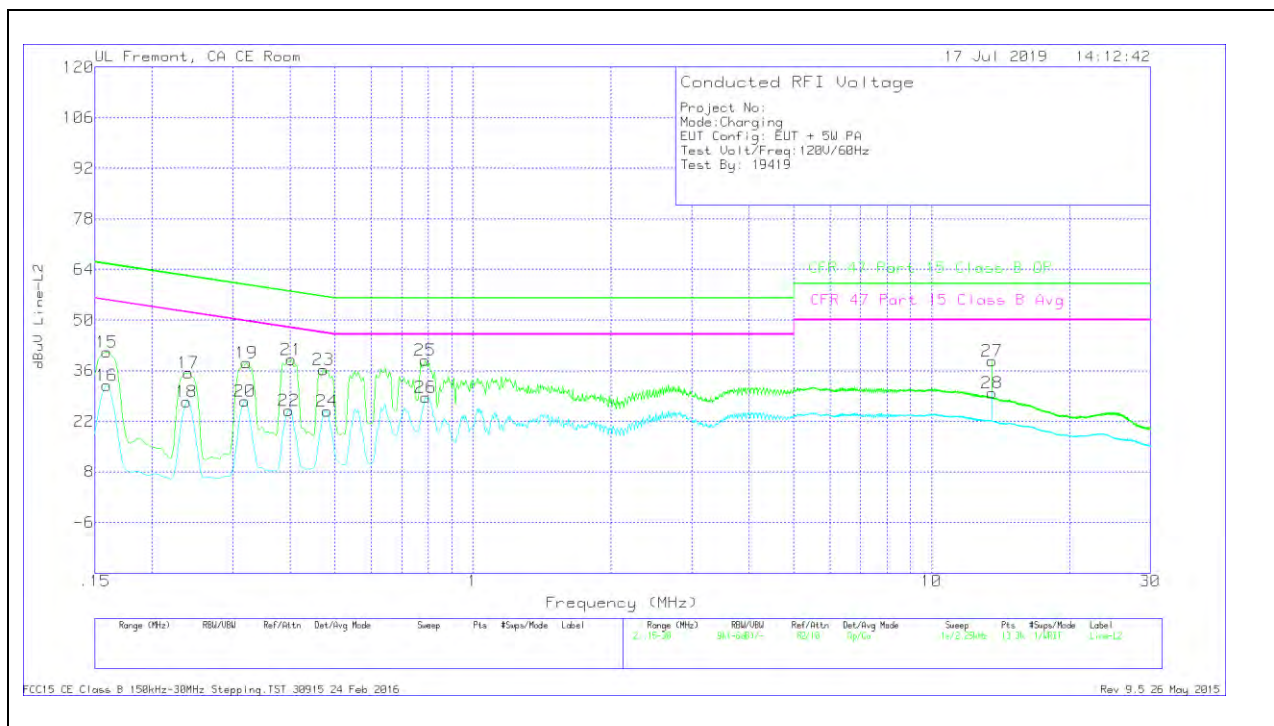
Range 1: Line-L1 .15 - 30MHz

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	33.57	Qp	.1	0	10.1	43.77	65.52	-21.75	-	-
2	.159	23.09	Ca	.1	0	10.1	33.29	-	-	55.52	-22.23
3	.23775	26.74	Qp	0	0	10.1	36.84	62.17	-25.33	-	-
4	.24	15.58	Ca	0	0	10.1	25.68	-	-	52.1	-26.42
5	.321	29.33	Qp	0	0	10.1	39.43	59.68	-20.25	-	-
6	.31875	17.06	Ca	0	0	10.1	27.16	-	-	49.74	-22.58
7	.40425	28.82	Qp	0	0	10.1	38.92	57.77	-18.85	-	-
8	.40425	13.78	Ca	0	0	10.1	23.88	-	-	47.77	-23.89
9	.483	28.53	Qp	0	0	10.1	38.63	56.29	-17.66	-	-
10	.48075	15.09	Ca	0	0	10.1	25.19	-	-	46.33	-21.14
11	.72375	29.19	Qp	0	0	10.1	39.29	56	-16.71	-	-
12	.71025	16.21	Ca	0	0	10.1	26.31	-	-	46	-19.69
13	13.56	30.4	Qp	.1	.2	10.2	40.9	60	-19.1	-	-
14	13.56	19.9	Ca	.1	.2	10.2	30.4	-	-	50	-19.6

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables C2&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
15	.159	30.87	Qp	.1	0	10.1	41.07	65.52	-24.45	-	-
16	.159	21.79	Ca	.1	0	10.1	31.99	-	-	55.52	-23.53
17	.24	25.27	Qp	0	0	10.1	35.37	62.1	-26.73	-	-
18	.23775	17.29	Ca	0	0	10.1	27.39	-	-	52.17	-24.78
19	.321	28.01	Qp	0	0	10.1	38.11	59.68	-21.57	-	-
20	.31875	17.47	Ca	0	0	10.1	27.57	-	-	49.74	-22.17
21	.402	28.88	Qp	0	0	10.1	38.98	57.81	-18.83	-	-
22	.3975	14.94	Ca	0	0	10.1	25.04	-	-	47.91	-22.87
23	.47175	26.21	Qp	0	0	10.1	36.31	56.48	-20.17	-	-
24	.48075	14.68	Ca	0	0	10.1	24.78	-	-	46.33	-21.55
25	.78675	28.71	Qp	0	0	10.1	38.81	56	-17.19	-	-
26	.789	18.47	Ca	0	0	10.1	28.57	-	-	46	-17.43
27	13.56	28.23	Qp	.1	.2	10.2	38.73	60	-21.27	-	-
28	13.56	19.37	Ca	.1	.2	10.2	29.87	-	-	50	-20.13

Qp - Quasi-Peak detector

Ca - CISPR average detection

END OF REPORT

9. SETUP PHOTOS

Please refer to 12267350-EP1V1 for setup photos