TEST REPORT

Report Number. : R1358896-E8

Applicant	:	SAMSUNG ELECTRONICS CO., LTD. 129 SAMSUNG-RO, YEONGTONG-GU SUWON-SI, GYEONGGI-DO, 16677, KOREA
Model	:	SM-M127F, SM-M127F/DS
FCC ID	:	A3LSMM127F
EUT Description	:	GSM/WCDMA/LTE PHABLET WITH BT/BLE AND DTS B/G/N
Test Standard(s)	:	FCC CFR47 PART 15 SUBPART B

Date Of Issue:
2020-12-08

Prepared by:
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NVLAP TESTING

NVLAP Lab code: 200246-0

Revision History

Rev.	Issue Date	Revisions	Revised By
V1	2020-12-08	Initial Review	Mike Antola

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1. ATTESTATION OF TEST RESULTS

Applicant Name and Address	SAMSUNG ELECTRONICS CO., LTD. 129 SAMSUNG-RO, YEONGTONG-GU SUWON-SI, GYEONGGI-DO, 16677, KOREA
Model	SM-M127F, SM-M127F/DS
FCC ID	A3LSMM127F
IC	NA
EUT Description	GSM/WCDMA/LTE PHABLET WITH BT/BLE AND DTS B/G/N
Serial Number	RADIATED: TJG2458M, TJG2699M; CONDUCTED: TJF2546
Sample Receipt Date	2020-10-23
Date Tested	OCTOBER 27, 2020 to NOVEMBER 24, 2020
Applicable Standards	FCC CFR47 PART 15B
Test Results	COMPLIES

UL LLC tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. All samples tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not taken into account unless noted otherwise.

This document may not be altered or revised in any way unless done so by UL LLC and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL LLC will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. government.

Reviewed By:	Prepared By:
Dan Coronia Operations Leader UL VERIFICATION SERVICES INC	Mike Antola Staff Engineer UL LLC

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2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with the following:

- ANSI C63.4:2014
- FCC CFR 47 Part 15, Subpart B

3. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 12 Laboratory Drive, Research Triangle Park, North Carolina, USA and 2800 Perimeter Park Dr., Morrisville, North Carolina, USA. The following table identifies which facilities were utilized for radiated emission measurements documented in this report. Specific facilities are also identified in the test results sections.

12 Laboratory Dr.	2800 Perimeter Park Dr.
☐ Chamber A RTP	☒ North Chamber
☐ Chamber C RTP	☒ South Chamber

The above test sites and facilities are covered under FCC Test Firm Registration #: 703469.

UL LLC (RTP) is accredited by NVLAP, Laboratory Code 200246-0

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4. DECISION RULES AND MEASUREMENT UNCERTAINTY

4.1. METROLOGICAL TRACEABILITY

All test and measuring equipment utilized to perform the tests documented in this report are calibrated on a regular basis, with a maximum time between calibrations of one year or the manufacturers' recommendation, whichever is less, and where applicable is traceable to recognized national standards.

4.2. DECISION RULES

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4:2012 Clause 8.2. (Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)

4.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

PARAMETER	U_{Lab}
Worst Case Radiated Disturbance, 30 to 1000 MHz	4.88 dB
Worst Case Radiated Disturbance, 1000 to 18000 MHz	4.73 dB

Uncertainty figures are valid to a confidence level of 95%.

4.4. SAMPLE CALCULATION

RADIATED EMISSIONS

Where relevant, the following sample calculation is provided:
Field Strength (dBuV/m) = Measured Voltage (dBuV) + Antenna Factor (dB/m) + Cable Loss (dB) – Preamp Gain (dB)
36.5 dBuV + 18.7 dB/m + 0.6 dB – 26.9 dB = 28.9 dBuV/m

MAINS CONDUCTED EMISSIONS

Where relevant, the following sample calculation is provided:
Final Voltage (dBuV) = Measured Voltage (dBuV) + Cable Loss (dB) + Limiter Factor (dB) + LISN Insertion Loss.
36.5 dBuV + 0 dB +10.1 dB+ 0 dB = 46.6 dBuV

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5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

The EUT is a GSM/WCDMA/LTE Phablet with BT/BLE and DTS b/g/n. The model SM-M127F/DS was used for final testing and is representative of the test results in this report.

The models are electronically equivalent with the only difference being that the SM-M127F/DS has dual SIM capability.

5.2. SOFTWARE AND FIRMWARE

The EUT firmware installed during testing was HW: REV 0.1

5.3. MAXIMUM ANTENNA GAIN

Bands / Frequency Range	Antenna Gain (dBi)
GSM850, 824-849MHz	-2.3
GSM1900, 1850-1910MHz	2.0
WCDMA Band 2, 1850-1910 MHz	2.0
WCDMA Band 4, 1710-1755 MHz	0.4
WCDMA Band 5, 824-849 MHz	-2.3

5.4. WORST-CASE CONFIGURATION AND MODE

For GSM850, WCDMA B5, LTE B5, LET B12, and LTE B26, the EUT was investigated in three orthogonal orientations X, Y, and Z it was determined that X orientation was worst-case.

Note: The EUT is continuously communicated with the call box during the tests, also attached with a travel adapter for the worst-case condition.

LTE B17 (RX frequency range 734-746 MHz) is covered by LTE B26 (RX frequency rand of 729-746 MHz) due to overlapping frequency range, higher maximum tune-up limit, and similar channel bandwidths.

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5.5. DESCRIPTION OF TEST SETUP

SUPPORT TEST EQUIPMENT				
Description	**Manufacturer**	**Model**	**Serial Number**	**FCC ID/ DoC**
Earphone	NA	NA	NA	NA
AC/DC adapter	Samsung	EP-TA200	R3M3FV0M01DK3	NA

I/O CABLES (RF CONDUCTED TEST)						
Cable No.	**Port**	**# of Identical Ports**	**Connector Type**	**Cable Type**	**Cable Length (m)**	**Remarks**
1	RF Out	1	Spectrum Analyzer	Shielded	None	N/A
2	Antenna Port	1	EUT	Shielded	0.1m	N/A
3	RF In/Out	1	Communication Test Set	Shielded	1m	N/A

I/O CABLES (RF RADIATED TEST)						
Cable No.	**Port**	**# of Identical Ports**	**Connector Type**	**Cable Type**	**Cable Length (m)**	**Remarks**
1	USB	1	AC Adapter	Shielded	1	N/A
2	Earphone	1	Phono	Un-shielded	1	N/A

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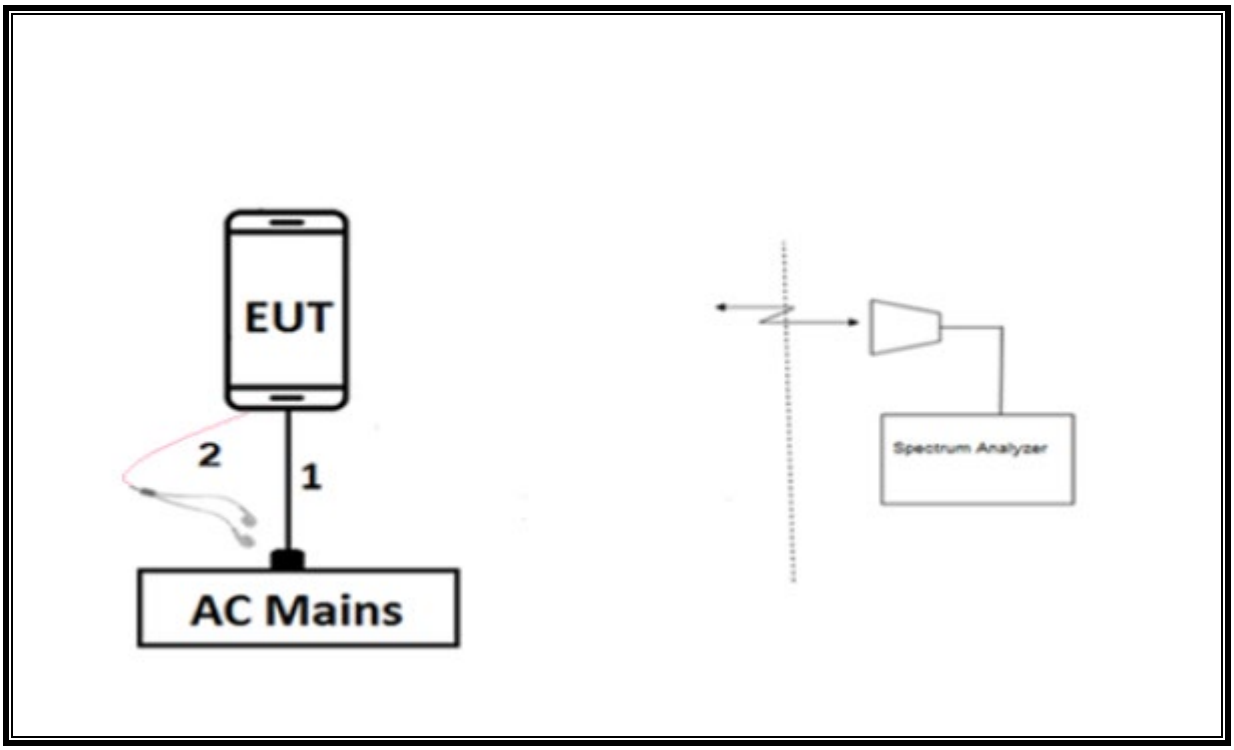
RADIATED SETUP



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6. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was utilized for the tests documented in this report:

Test Equipment Used - Radiated Disturbance Emissions Test Equipment (Morrisville - North Chamber)

Equip. ID	Description	Manufacturer	Model Number	Last Cal.	Next Cal.
	30-1000 MHz				
AT0074	Hybrid Broadband Antenna	Sunol Sciences Corp.	JB3	2020-07-27	2021-07-27
	1-18 GHz				
AT0072	Double-Ridged Waveguide Horn Antenna, 1 to 18 GHz	ETS Lindgren	3117	2020-04-27	2021-04-27
	Gain-Loss Chains				
N-SAC02	Gain-loss string: 25-1000MHz	Various	Various	2020-07-29	2021-07-29
N-SAC03	Gain-loss string: 1-18GHz	Various	Various	2020-07-28	2021-07-28
	Receiver & Software				
SA0026	Spectrum Analyzer	Agilent	N9030A	2020-07-16	2021-07-16
SOFTEMI	EMI Software	UL	Version 9.5 (2020-08-18)		
	Additional Equipment used				
s/n 200037610	Environmental Meter	Fisher Scientific	06-662-4		

Test Equipment Used - Radiated Disturbance Emissions Test Equipment (Morrisville - South Chamber)

Equip. ID	Description	Manufacturer	Model Number	Last Cal.	Next Cal.
	30-1000 MHz				
AT0075	Hybrid Broadband Antenna	Sunol Sciences Corp.	JB3	2020-10-27	2021-10-27
	1-18 GHz				
AT0067	Double-Ridged Waveguide Horn Antenna, 1 to 18 GHz	ETS Lindgren	3117	2020-04-28	2021-04-28
	Gain-Loss Chains				
S-SAC02	Gain-loss string: 25-1000MHz	Various	Various	2020-07-10	2021-07-10
S-SAC03	Gain-loss string: 1-18GHz	Various	Various	2020-07-06	2021-07-06
	Receiver & Software				
SA0025	Spectrum Analyzer	Agilent	N9030A	2020-03-17	2021-03-17
SOFTEMI	EMI Software	UL	Version 9.5 (2020-08-18)		
	Additional Equipment used				
s/n 200037635	Environmental Meter	Fisher Scientific	06-662-4	2020-01-22	2022-01-22

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7. RADIATED PRESCAN DATA FOR 15B RECEIVER MODE

RULE PART(S)
FCC: §15.109

LIMITS
FCC: §15.109(a)
Except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

Frequency of Emission (MHz)	Field Strength (dBuV/m) Qpk	Field Strength (dBuV/m) Avg
30-88	40.0	NA
88-216	43.5	NA
216-960	46.0	NA
960-1000	54.0	NA
Frequency of Emission (MHz)	Field Strength (dBuV/m) Pk	Field Strength (dBuV/m) Avg
Above 1GHz	74.0	54.0

TEST PROCEDURE
ANSI C63.4: 2014

Measurements were made in a 3-meter semi-anechoic chamber that complies to ANSI C63.4. Preliminary (peak) measurements were performed at an antenna to EUT separation distance of 3 meters. The EUT was rotated 360° about its azimuth with the receive antenna located at various heights in both horizontal and vertical polarities. Final measurements (quasi-peak or average as noted) were then performed by rotating the EUT 360° and adjusting the receive antenna height from 1 to 4-meters. All frequencies were investigated in both horizontal and vertical antenna polarity, where applicable

All tests below 1GHz were done with a Resolution Bandwidth of 120kHz and a Video Bandwidth of 1MHz.

All tests above 1GHz were done with a Resolution Bandwidth of 1MHz and a Video Bandwidth of 3MHz.

RESULTS

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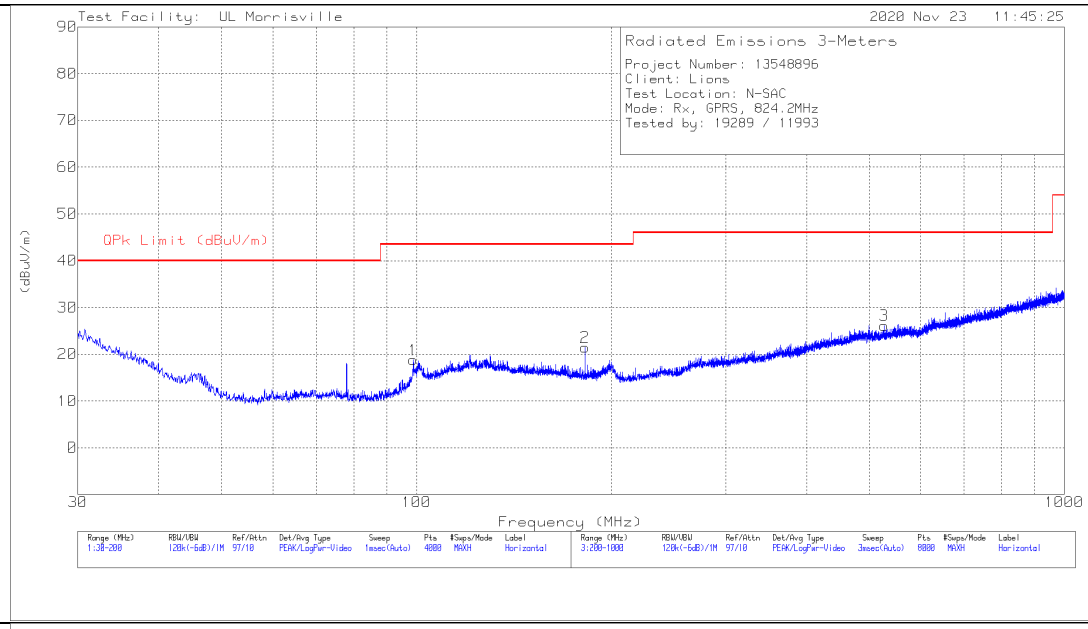
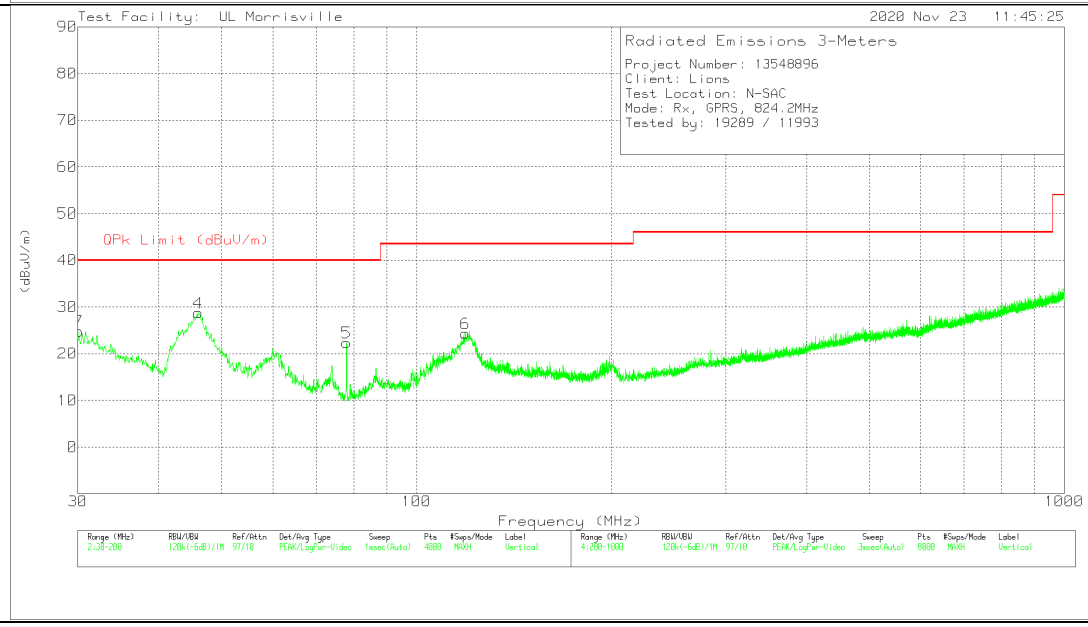
GSM BELOW 1GHz

HORIZONTAL



VERTICAL



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AT0074 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7	30.085	29.4	Pk	26.8	-31.4	24.8	40	-15.2	0-360	100	V
4	46.0266	44.21	Pk	15.7	-31.2	28.71	40	-11.29	0-360	100	V
5	77.9949	39.29	Pk	13.8	-30.7	22.39	40	-17.61	0-360	100	V
1	98.8678	33.21	Pk	16.1	-30.5	18.81	43.52	-24.71	0-360	200	H
6	118.9755	34.67	Pk	19.9	-30.2	24.37	43.52	-19.15	0-360	100	V
2	182.0193	33.62	Pk	17.4	-29.5	21.52	43.52	-22	0-360	99	H
3	527.2425	29.48	Pk	24	-27.3	26.18	46.02	-19.84	0-360	199	H

Pk - Peak detector

GPRS – Low Channel

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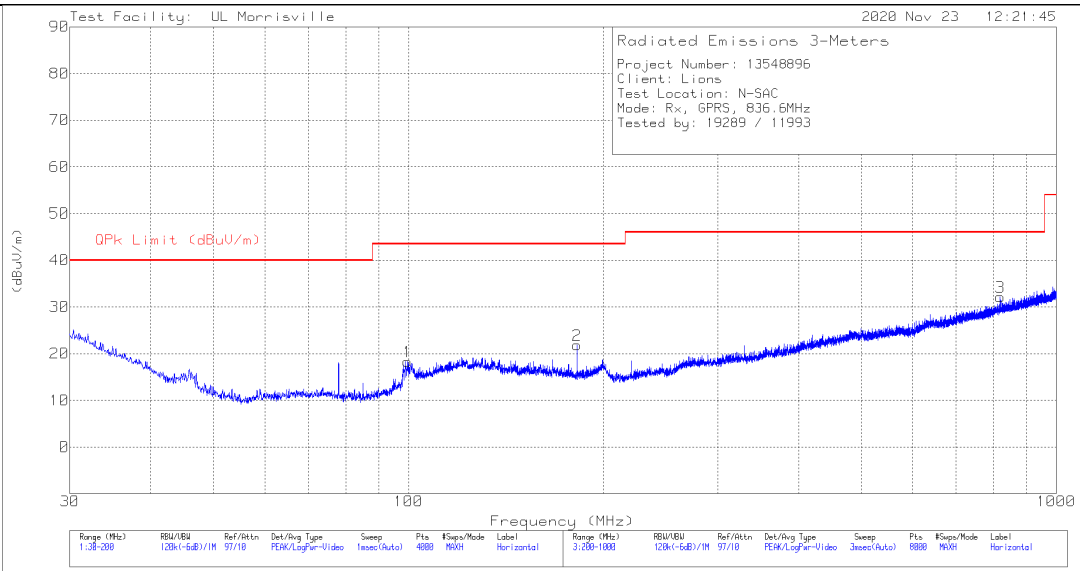
HORIZONTAL



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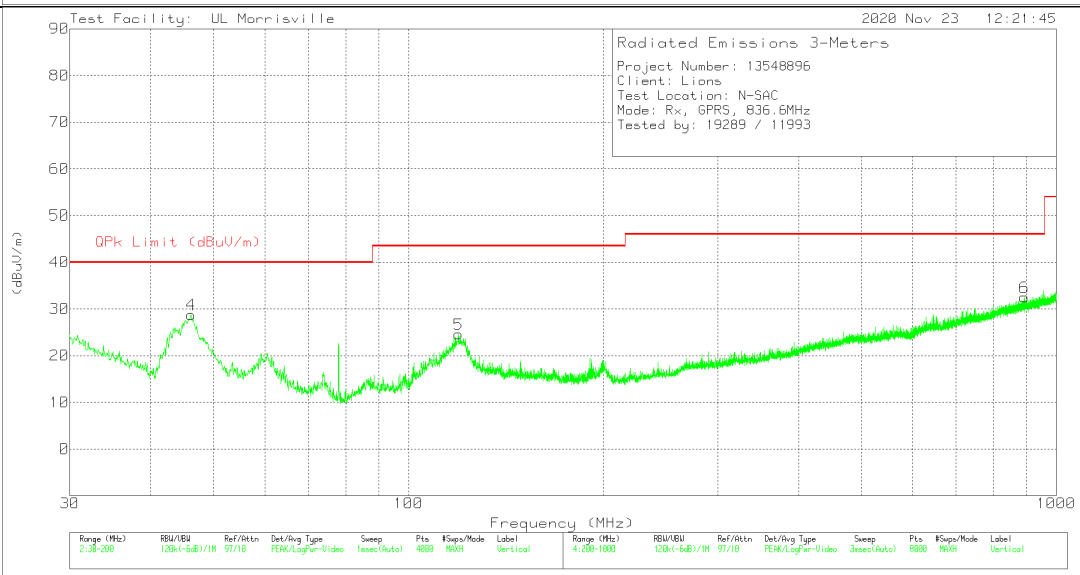

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AT0074 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	46.1542	44.41	Pk	15.6	-31.2	28.81	40	-11.19	0-360	101	V
1	99.718	32.64	Pk	16.2	-30.5	18.34	43.52	-25.18	0-360	199	H
5	119.4006	34.93	Pk	19.9	-30.2	24.63	43.52	-18.89	0-360	101	V
2	182.0193	33.9	Pk	17.4	-29.5	21.8	43.52	-21.72	0-360	199	H
3	819.3805	29.81	Pk	27.8	-25.5	32.11	46.02	-13.91	0-360	299	H
6	892.59	29.12	Pk	28.3	-24.9	32.52	46.02	-13.5	0-360	99	V
4	46.1542	44.41	Pk	15.6	-31.2	28.81	40	-11.19	0-360	101	V

Pk - Peak detector

GPRS – Mid Channel

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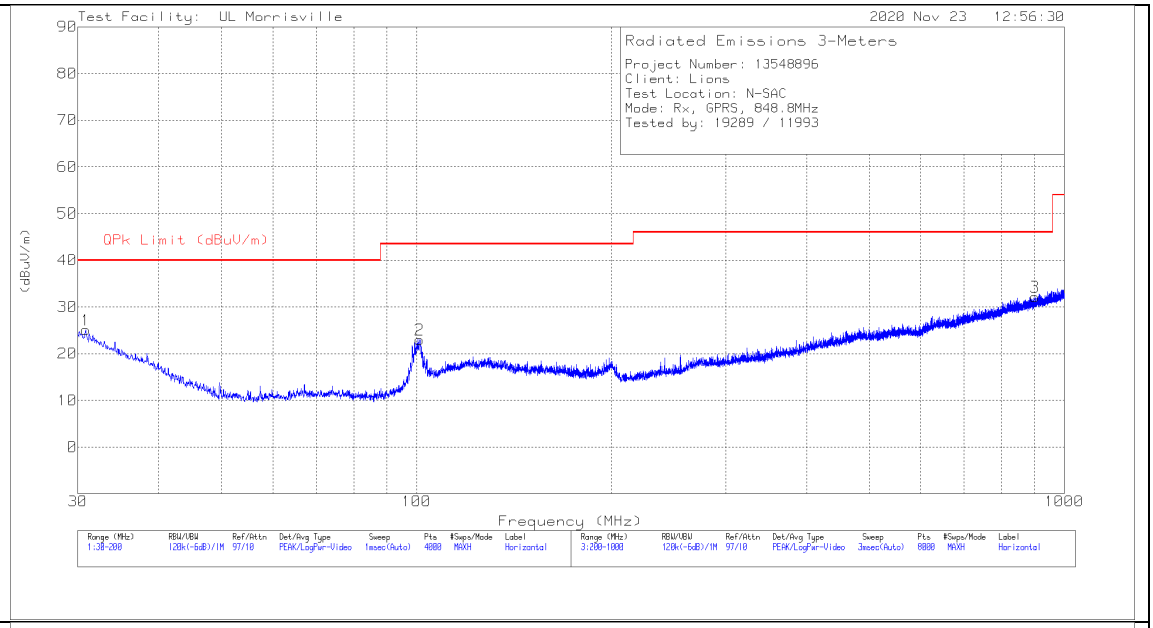
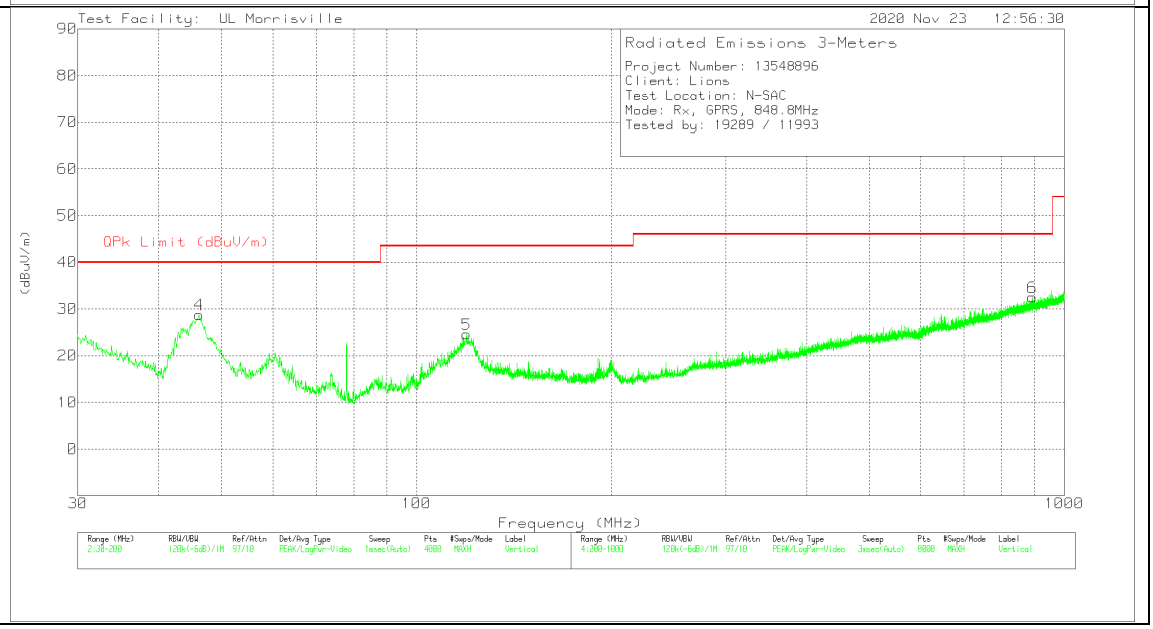
HORIZONTAL



VERTICAL



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AT0074 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	30.8502	30.08	Pk	26.4	-31.4	25.08	40	-14.92	0-360	101	H
4	46.1542	44.41	Pk	15.6	-31.2	28.81	40	-11.19	0-360	101	V
2	101.2059	36.71	Pk	16.7	-30.4	23.01	43.52	-20.51	0-360	300	H
5	119.4006	34.93	Pk	19.9	-30.2	24.63	43.52	-18.89	0-360	101	V
6	892.59	29.12	Pk	28.3	-24.9	32.52	46.02	-13.5	0-360	99	V
3	901.1911	28.49	Pk	28.3	-24.6	32.19	46.02	-13.83	0-360	101	H
1	30.8502	30.08	Pk	26.4	-31.4	25.08	40	-14.92	0-360	101	H

Pk - Peak detector

GPRS – High Channel

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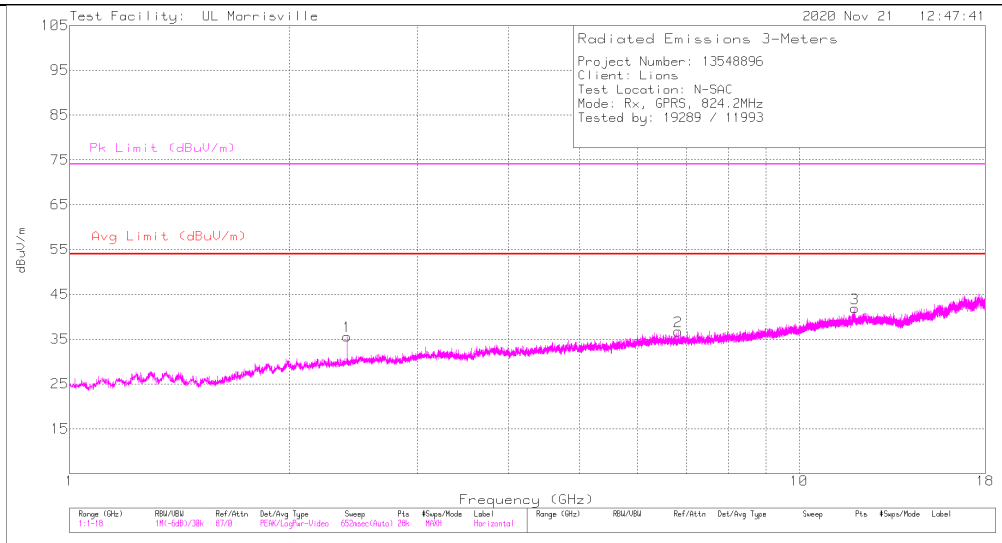
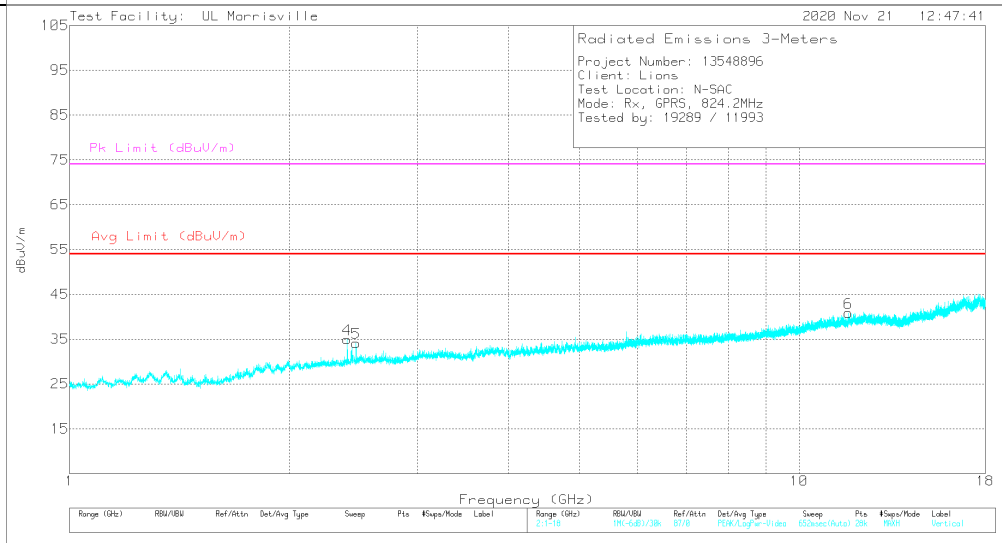
GSM ABOVE 1GHz

HORIZONTAL



VERTICAL



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB(/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading dBuV/m	Avg Limit (dBuV/m)	Margin (dB)	Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.40179	45.71	Pk	31.9	-34.6	43.01	-	-	74	-30.99	314	238	H
	2.40179	28.73	Av	31.9	-34.6	26.03	54	-27.97	-	-	314	238	H
4	2.40179	51.37	Pk	31.9	-34.6	48.67	-	-	74	-25.33	168	187	V
	2.40179	28.85	Av	31.9	-34.6	26.15	54	-27.85	-	-	168	187	V
5	2.47056	41.55	Pk	32.3	-34.4	39.45	-	-	74	-34.55	345	159	V
	2.47056	28.33	Av	32.3	-34.4	26.23	54	-27.77	-	-	345	159	V
2	6.83298	39.09	Pk	35.6	-30.6	44.09	-	-	74	-29.91	194	326	H
	6.83298	26	Av	35.6	-30.6	31	54	-23	-	-	194	326	H
6	11.67383	36.35	Pk	38.4	-26.7	48.05	-	-	74	-25.95	317	301	V
	11.67383	23.19	Av	38.4	-26.7	34.89	54	-19.11	-	-	317	301	V
3	11.92741	36.11	Pk	38.6	-25.8	48.91	-	-	74	-25.09	132	202	H
	11.92741	22.8	Av	38.6	-25.8	35.6	54	-18.4	-	-	132	202	H

Pk - Peak detector
Av - Average detection

GPRS – Low Channel

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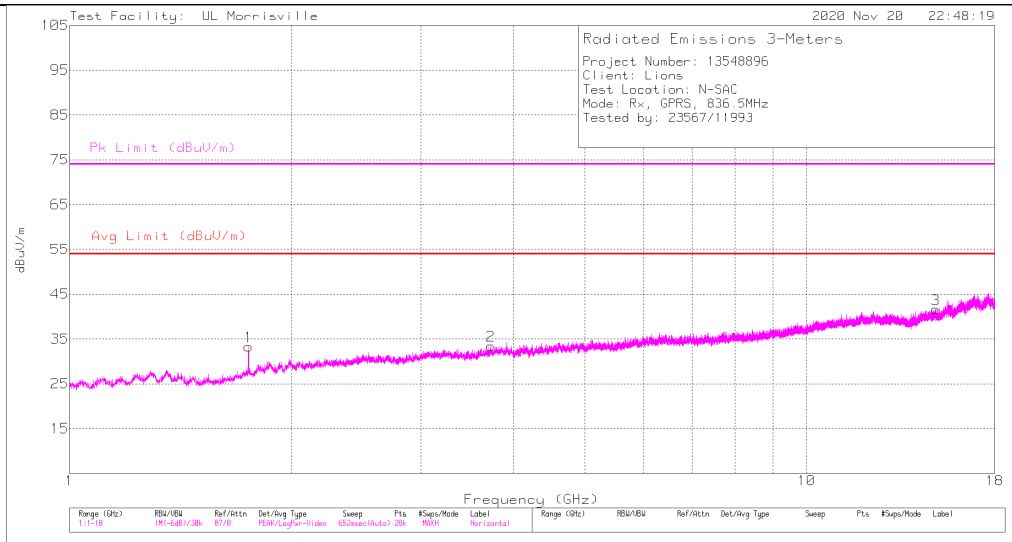
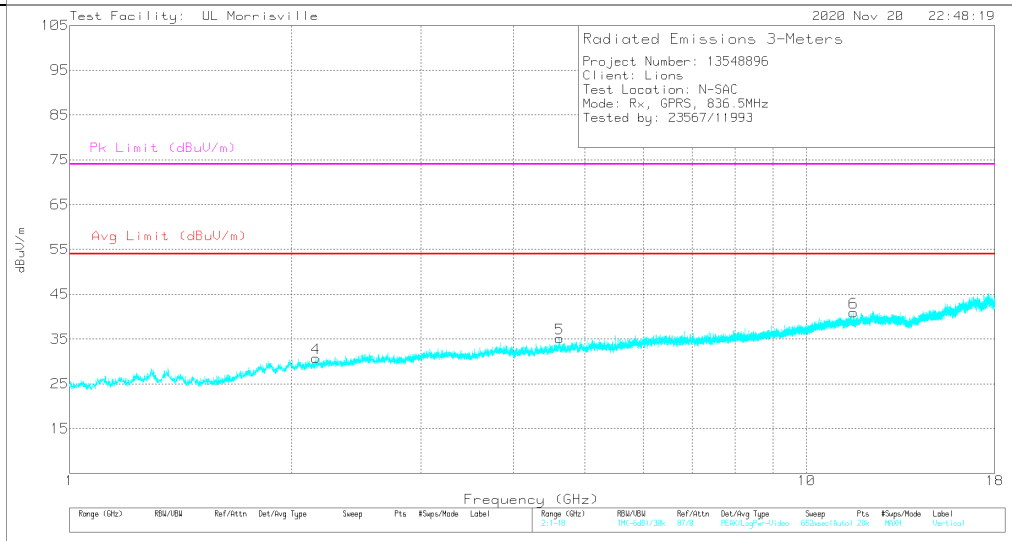
HORIZONTAL



VERTICAL



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB(/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading dBuV/m	Avg Limit (dBuV/m)	Margin (dB)	Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.75111	40.71	Pk	29.7	-35.8	34.61	-	-	74	-39.39	296	366	H
	1.75111	33.69	Av	29.7	-35.8	27.59	54	-26.41	-	-	296	366	H
4	2.16165	40.54	Pk	31.3	-34.9	36.94	-	-	74	-37.06	7	119	V
	2.16165	33.04	Av	31.3	-34.9	29.44	54	-24.56	-	-	7	119	V
2	3.72684	40.1	Pk	33.3	-33	40.4	-	-	74	-33.6	351	167	H
	3.72684	32.17	Av	33.3	-33	32.47	54	-21.53	-	-	351	167	H
5	4.62168	39.17	Pk	34.2	-32.9	40.47	-	-	74	-33.53	13	190	V
	4.62168	31.89	Av	34.2	-32.9	33.19	54	-20.81	-	-	13	190	V
6	11.58306	34.73	Pk	38.2	-26.6	46.33	-	-	74	-27.67	316	180	V
	11.58306	26.89	Av	38.2	-26.6	38.49	54	-15.51	-	-	316	180	V
3	14.98002	36.11	Pk	39.4	-27.4	48.11	-	-	74	-25.89	244	199	H
	14.98002	27.63	Av	39.4	-27.4	39.63	54	-14.37	-	-	244	199	H

Pk - Peak detector
Av - Average detection

GPRS – Mid Channel

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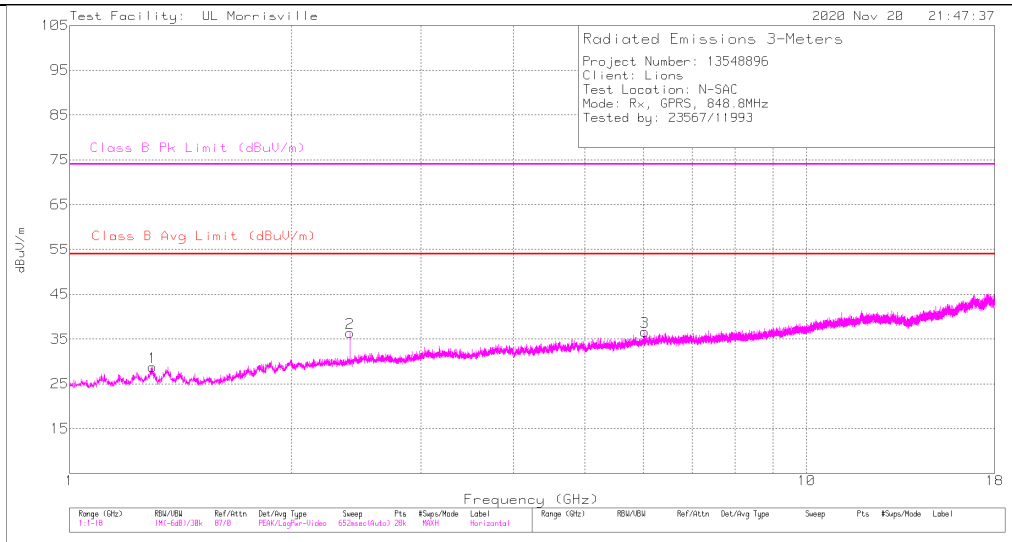
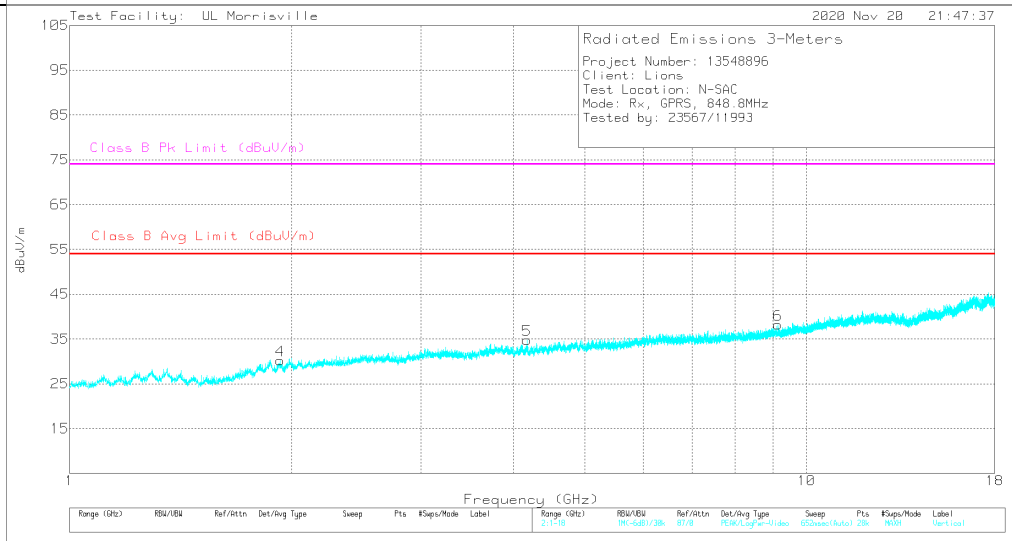
HORIZONTAL



VERTICAL



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB(/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading dBuV/m	Avg Limit (dBuV/m)	Margin (dB)	Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	**1.29344**	43.13	Pk	29.4	-36.8	35.73	-	-	74	-38.27	66	208	H
	1.29344	34.2	Av	29.4	-36.8	26.8	54	-27.2	-	-	66	208	H
4	**1.93394**	41.57	Pk	30.8	-35.4	36.97	-	-	74	-37.03	133	165	V
	1.93394	33.55	Av	30.8	-35.4	28.95	54	-25.05	-	-	133	165	V
2	**2.40207**	43.1	Pk	31.9	-34.6	40.4	-	-	74	-33.6	68	249	H
	2.40207	32.09	Av	31.9	-34.6	29.39	54	-24.61	-	-	68	249	H
5	**4.17281**	40.93	Pk	33.5	-32.6	41.83	-	-	74	-32.17	281	361	V
	4.17281	31.6	Av	33.5	-32.6	32.5	54	-21.5	-	-	281	361	V
3	**6.03278**	38.72	Pk	35.1	-31.7	42.12	-	-	74	-31.88	210	200	H
	6.03278	30.39	Av	35.1	-31.7	33.79	54	-20.21	-	-	210	200	H
6	**9.1446**	35.98	Pk	36.5	-28.9	43.58	-	-	74	-30.42	308	328	V
	9.1446	28.67	Av	36.5	-28.9	36.27	54	-17.73	-	-	308	328	V

Pk - Peak detector
Av - Average detection

GPRS – High Channel

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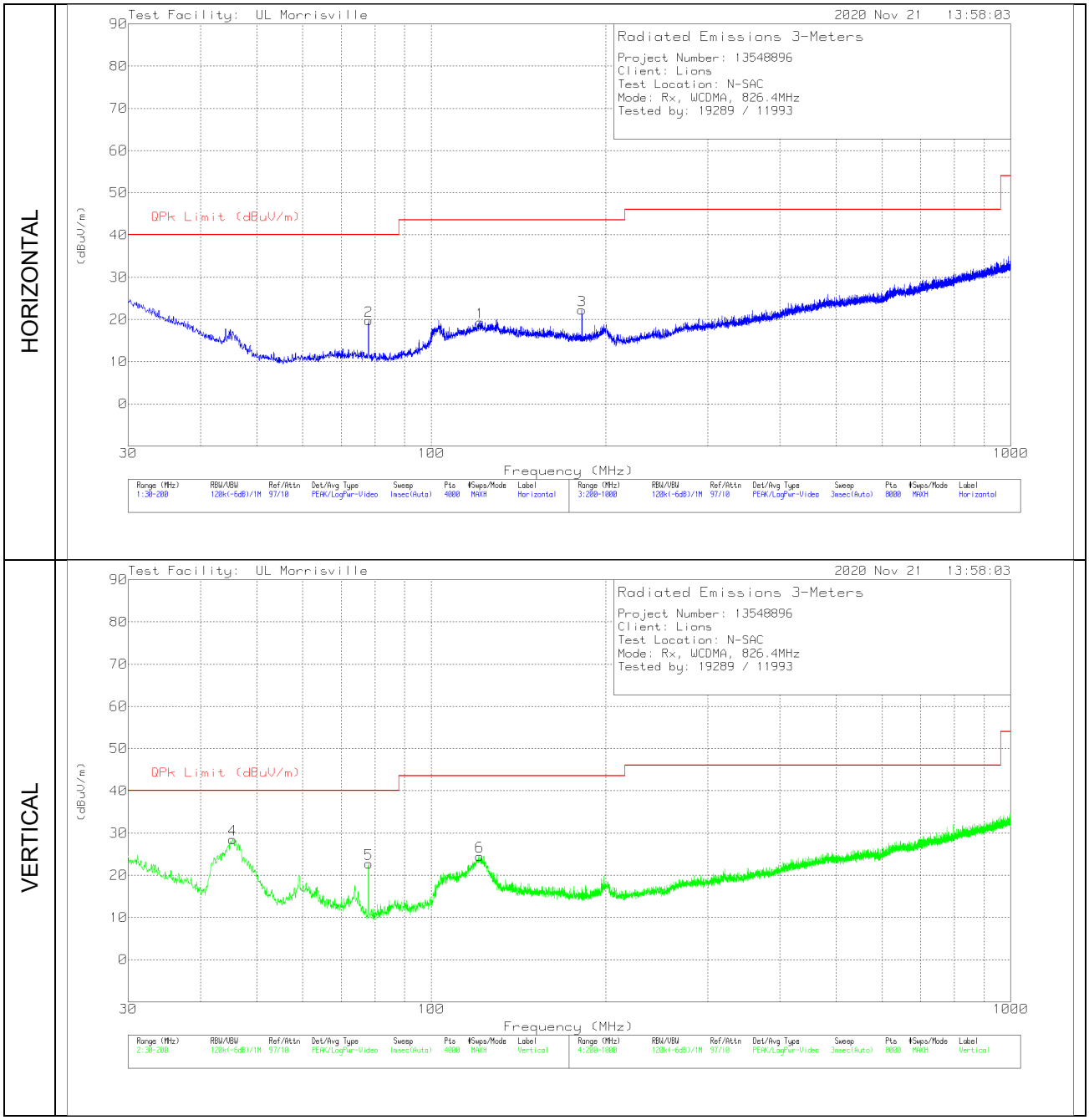
WCDMA BELOW 1GHz



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AT0074 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	45.474	43.68	Pk	16	-31.2	28.48	40	-11.52	0-360	100	V
2	77.9949	36.62	Pk	13.8	-30.7	19.72	40	-20.28	0-360	199	H
5	77.9949	39.65	Pk	13.8	-30.7	22.75	40	-17.25	0-360	100	V
6	121.2286	34.73	Pk	20	-30.2	24.53	43.52	-18.99	0-360	100	V
1	121.5687	29.58	Pk	20	-30.2	19.38	43.52	-24.14	0-360	100	H
3	182.0193	34.33	Pk	17.4	-29.5	22.23	43.52	-21.29	0-360	199	H

Pk - Peak detector

BAND 5 – Low Channel

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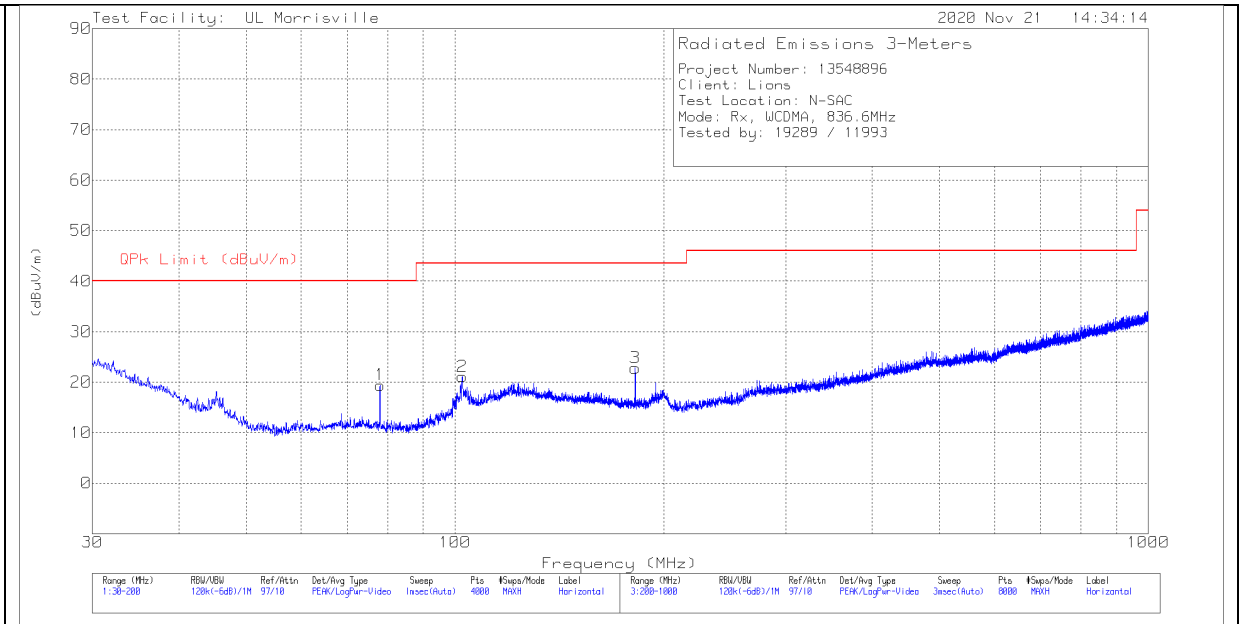
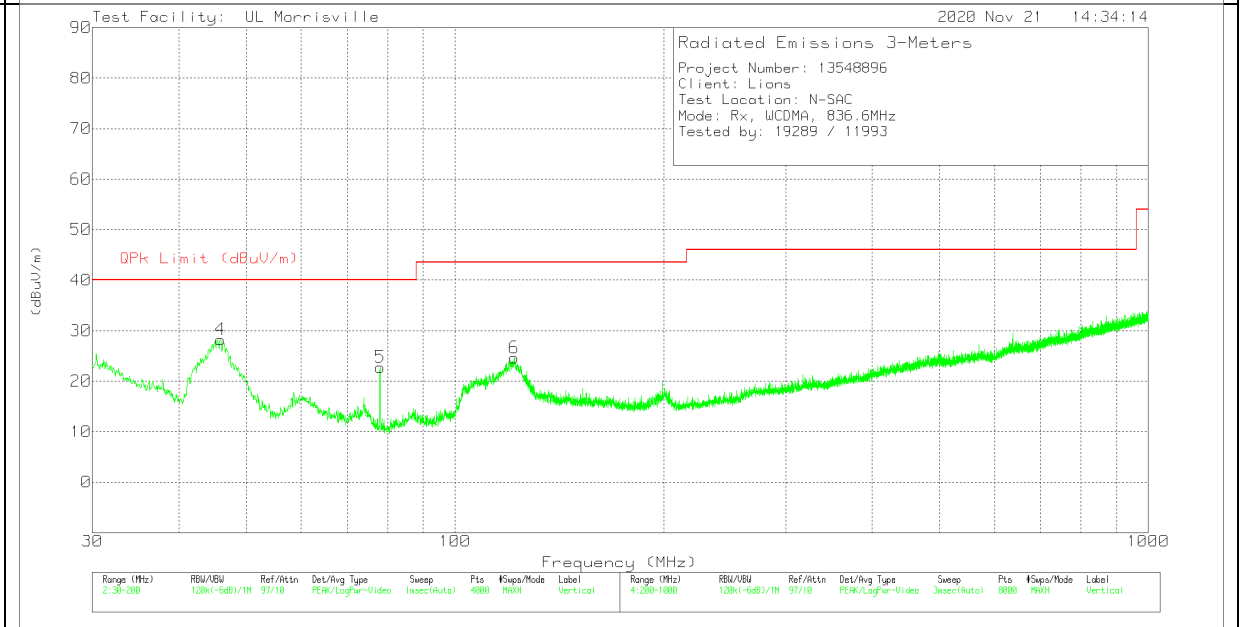
HORIZONTAL



VERTICAL



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AT0074 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	45.8991	43.66	Pk	15.8	-31.2	28.26	40	-11.74	0-360	100	V
1	77.9949	36.33	Pk	13.8	-30.7	19.43	40	-20.57	0-360	300	H
5	77.9949	39.68	Pk	13.8	-30.7	22.78	40	-17.22	0-360	100	V
2	102.5238	34.41	Pk	17.1	-30.4	21.11	43.52	-22.41	0-360	399	H
6	121.8663	34.83	Pk	20	-30.2	24.63	43.52	-18.89	0-360	100	V
3	182.0193	34.92	Pk	17.4	-29.5	22.82	43.52	-20.7	0-360	200	H

Pk - Peak detector

BAND 5 – Mid Channel

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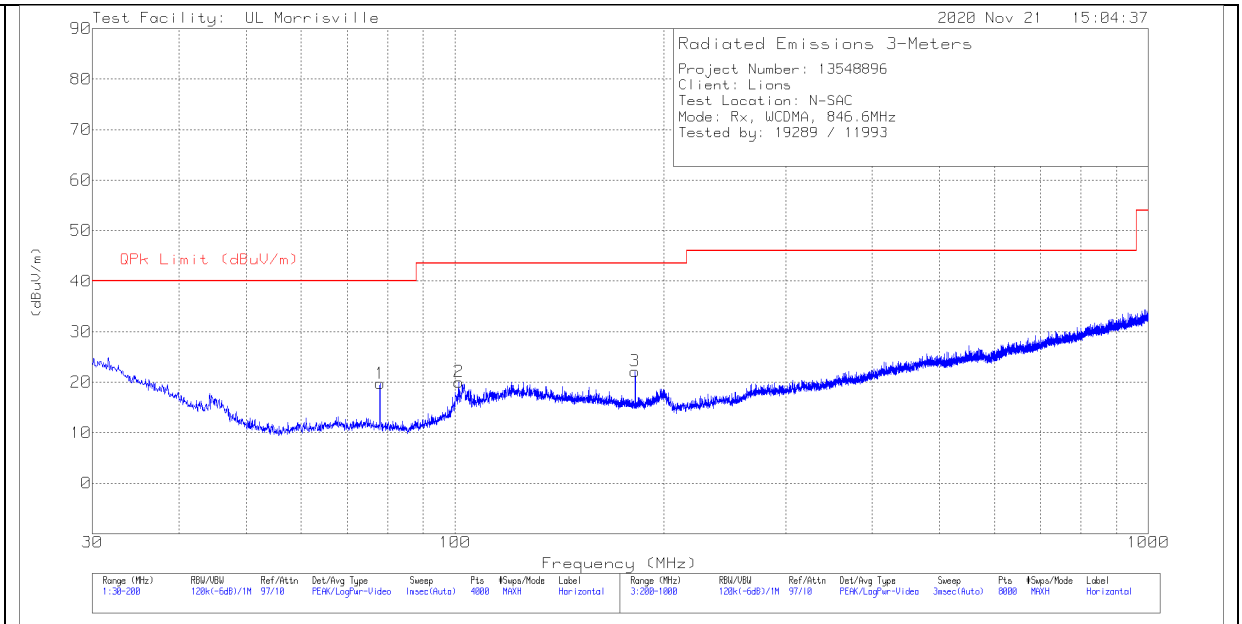
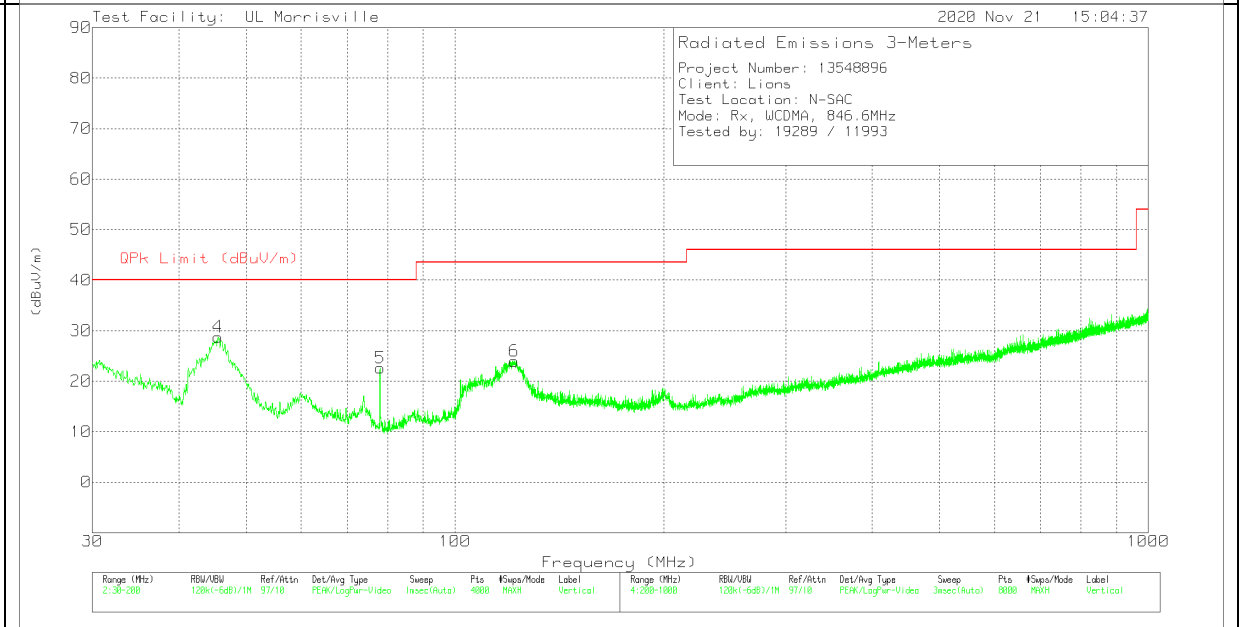
HORIZONTAL



VERTICAL



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AT0074 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	45.559	43.95	Pk	16	-31.2	28.75	40	-11.25	0-360	100	V
1	77.9949	36.65	Pk	13.8	-30.7	19.75	40	-20.25	0-360	399	H
5	77.9949	39.5	Pk	13.8	-30.7	22.6	40	-17.4	0-360	100	V
2	101.376	33.76	Pk	16.7	-30.4	20.06	43.52	-23.46	0-360	399	H
6	121.8663	34.15	Pk	20	-30.2	23.95	43.52	-19.57	0-360	100	V
3	181.9981	34.27	Pk	17.4	-29.5	22.17	43.52	-21.35	0-360	200	H

Pk - Peak detector

BAND 5 – High Channel

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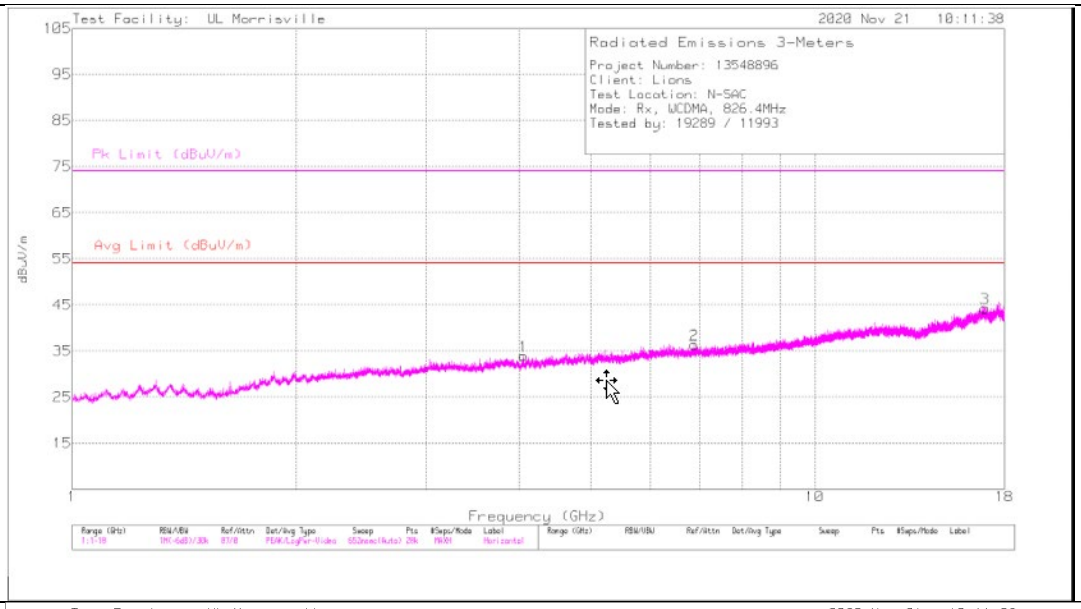
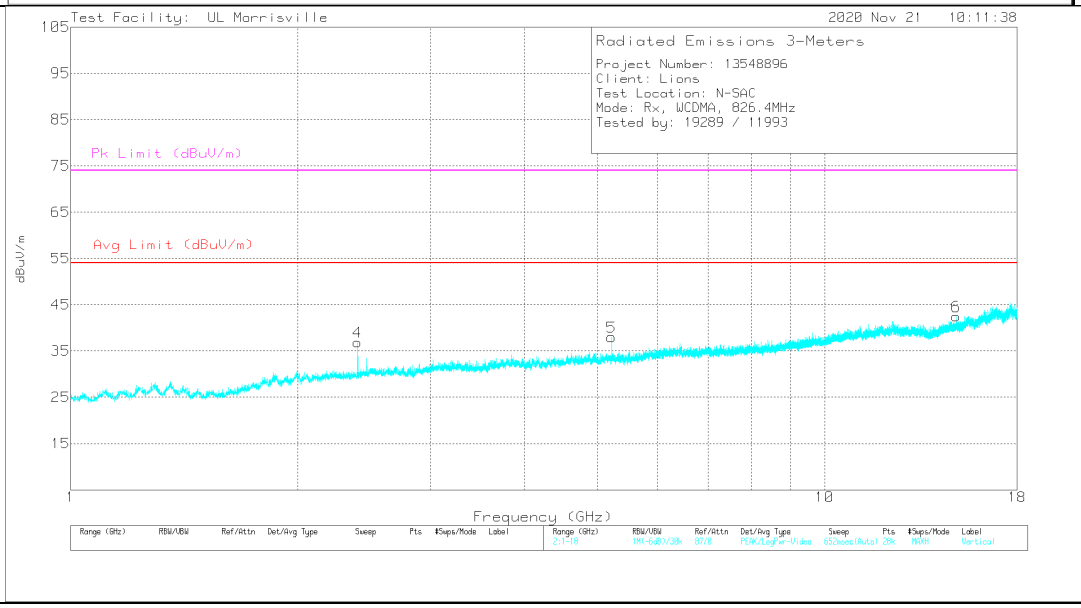
WCDMA ABOVE 1GHz

HORIZONTAL



VERTICAL



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB(/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading dBuV/m	Avg Limit (dBuV/m)	Margin (dB)	Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	2.40208	45.75	Pk	31.9	-34.6	43.05	-	-	74	-30.95	173	299	V
	2.40208	28.76	Av	31.9	-34.6	26.06	54	-27.94	-	-	173	299	V
1	4.05651	38.2	Pk	33.6	-33.1	38.7	-	-	74	-35.3	15	101	H
	4.05651	27.55	Av	33.6	-33.1	28.05	54	-25.95	-	-	15	101	H
5	5.21583	40.75	Pk	34.3	-32.9	42.15	-	-	74	-31.85	286	180	V
	5.21583	27.62	Av	34.3	-32.9	29.02	54	-24.98	-	-	286	180	V
2	6.87927	37.69	Pk	35.7	-30.7	42.69	-	-	74	-31.31	153	256	H
	6.87927	26.07	Av	35.7	-30.7	31.07	54	-22.93	-	-	153	256	H
6	14.94953	37.06	Pk	39.4	-26.8	49.66	-	-	74	-24.34	237	303	V
	14.94953	24.15	Av	39.4	-26.8	36.75	54	-17.25	-	-	237	303	V
3	16.95401	33.76	Pk	41.5	-25.1	50.16	-	-	74	-23.84	186	302	H
	16.95401	22.86	Av	41.5	-25.1	39.26	54	-14.74	-	-	186	302	H

Pk - Peak detector
Av - Average detection

BAND 5 – Low Channel

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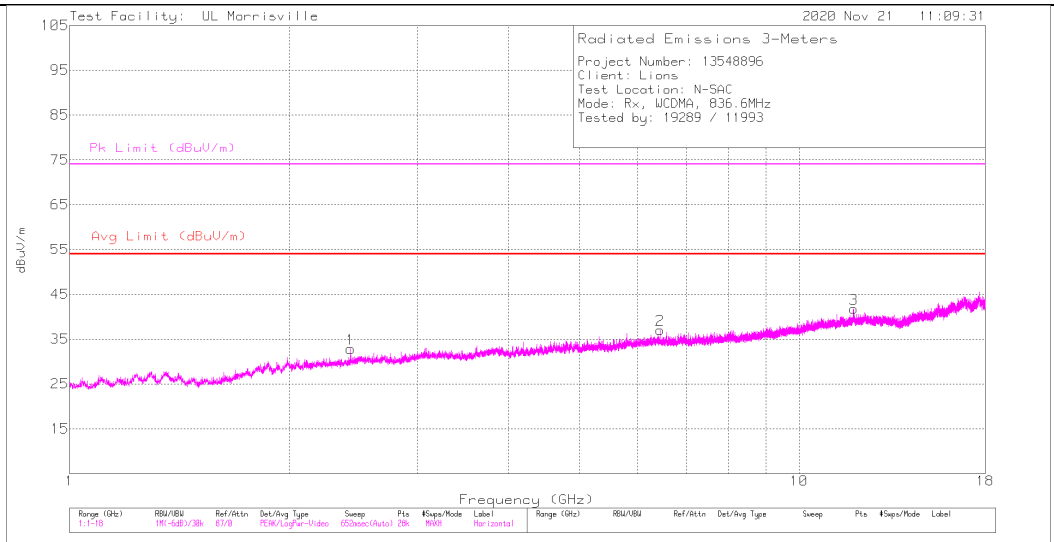
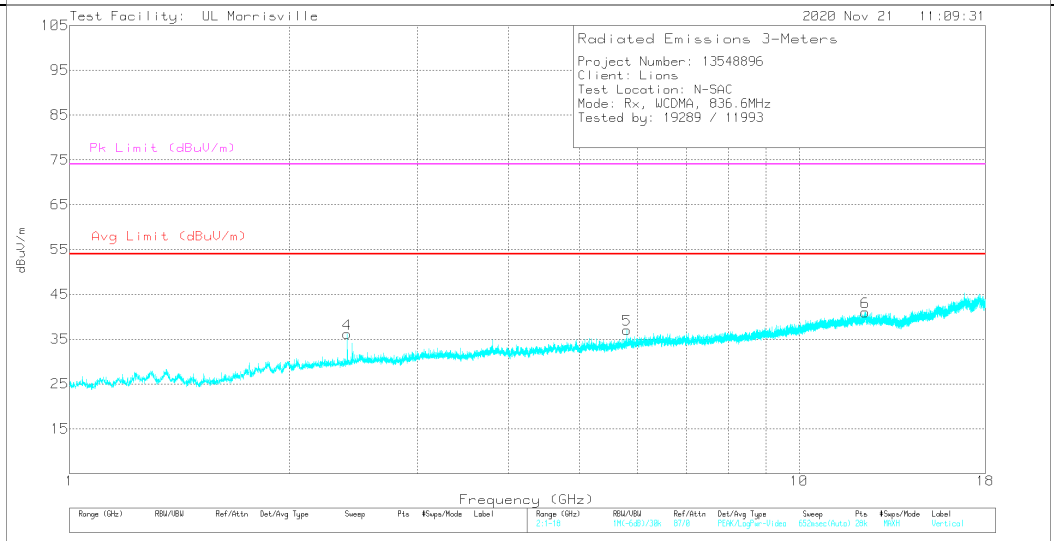
HORIZONTAL



VERTICAL



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB(/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading dBuV/m	Avg Limit (dBuV/m)	Margin (dB)	Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	2.40189	50.25	Pk	31.9	-34.6	47.55	-	-	74	-26.45	166	191	V
	2.40189	28.92	Av	31.9	-34.6	26.22	54	-27.78	-	-	166	191	V
1	2.42907	40.92	Pk	32	-34.5	38.42	-	-	74	-35.58	266	376	H
	2.42907	28.64	Av	32	-34.5	26.14	54	-27.86	-	-	266	376	H
5	5.80784	44.02	Pk	34.9	-32.1	46.82	-	-	74	-27.18	188	186	V
	5.80784	27.58	Av	34.9	-32.1	30.38	54	-23.62	-	-	188	186	V
2	6.45092	38.55	Pk	35.6	-31.2	42.95	-	-	74	-31.05	61	246	H
	6.45092	26.64	Av	35.6	-31.2	31.04	54	-22.96	-	-	61	246	H
3	11.8867	34.73	Pk	38.5	-25.6	47.63	-	-	74	-26.37	67	176	H
	11.8867	22.66	Av	38.5	-25.6	35.56	54	-18.44	-	-	67	176	H
6	12.32719	36.32	Pk	38.9	-25.6	49.62	-	-	74	-24.38	17	187	V
	12.32719	22.84	Av	38.9	-25.6	36.14	54	-17.86	-	-	17	187	V

Pk - Peak detector
Av - Average detection

BAND 5 – Mid Channel

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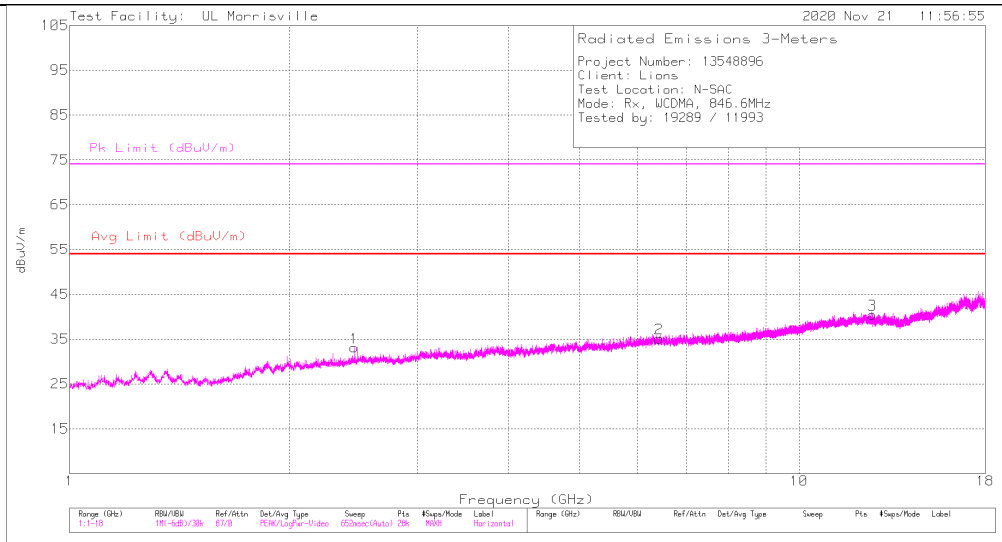
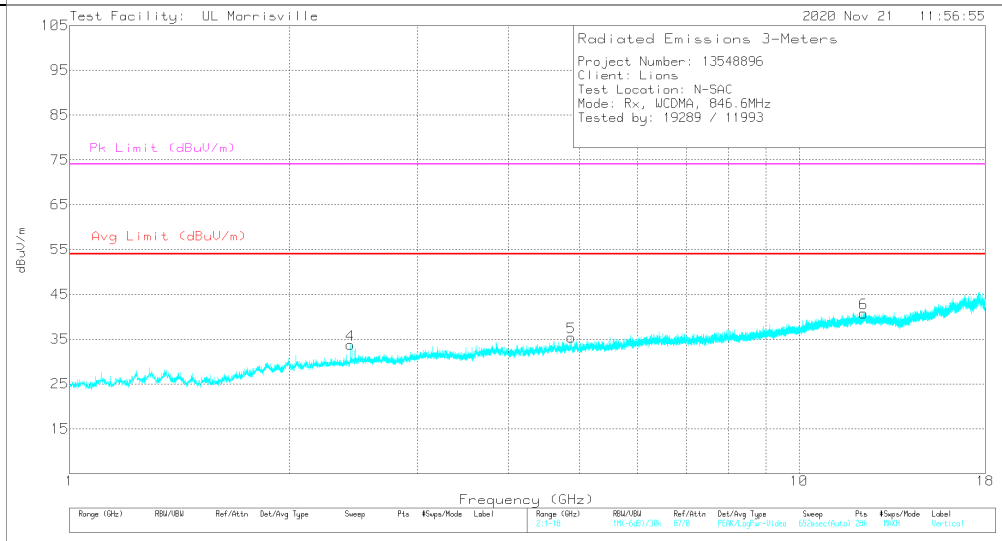
HORIZONTAL



VERTICAL



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB(/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading dBuV/m	Avg Limit (dBuV/m)	Margin (dB)	Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	2.42651	45.38	Pk	31.9	-34.5	42.78	-	-	74	-31.22	192	135	V
	2.42651	28.75	Av	31.9	-34.5	26.15	54	-27.85	-	-	192	135	V
1	2.45494	42.11	Pk	32	-34.5	39.61	-	-	74	-34.39	260	162	H
	2.45494	28.78	Av	32	-34.5	26.28	54	-27.72	-	-	260	162	H
5	4.87579	40.75	Pk	34.1	-32.1	42.75	-	-	74	-31.25	155	379	V
	4.87579	27.52	Av	34.1	-32.1	29.52	54	-24.48	-	-	155	379	V
2	6.42479	39.72	Pk	35.6	-31.2	44.12	-	-	74	-29.88	70	230	H
	6.42479	26.4	Av	35.6	-31.2	30.8	54	-23.2	-	-	70	230	H
6	12.2584	36.74	Pk	38.9	-26.7	48.94	-	-	74	-25.06	240	253	V
	12.2584	23.53	Av	38.9	-26.7	35.73	54	-18.27	-	-	240	253	V
3	12.59817	36.36	Pk	39	-27.2	48.16	-	-	74	-25.84	75	248	H
	12.59817	23.44	Av	39	-27.2	35.24	54	-18.76	-	-	75	248	H

Pk - Peak detector
Av - Average detection

BAND 5 – High Channel

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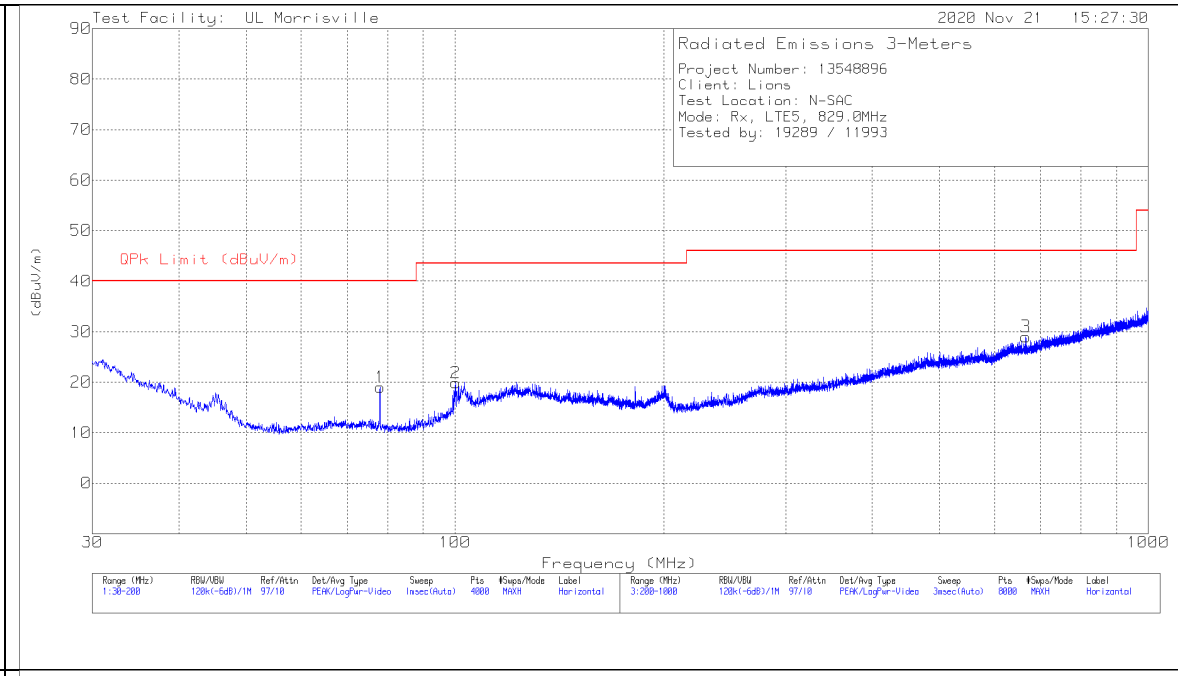
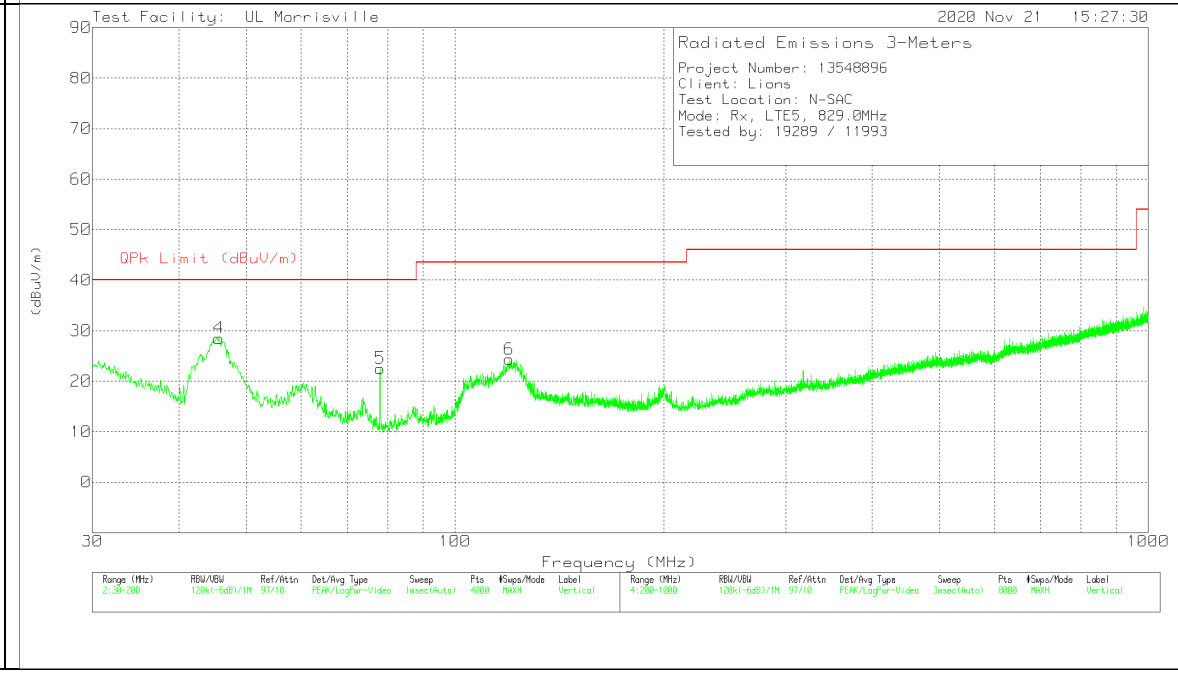
LTE BAND 5 BELOW 1GHz

HORIZONTAL



VERTICAL



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AT0074 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	45.6866	43.83	Pk	15.9	-31.2	28.53	40	-11.47	0-360	101	V
1	77.9949	35.88	Pk	13.8	-30.7	18.98	40	-21.02	0-360	399	H
5	77.9949	39.43	Pk	13.8	-30.7	22.53	40	-17.47	0-360	101	V
2	100.2282	33.87	Pk	16.4	-30.4	19.87	43.52	-23.65	0-360	399	H
6	119.7832	34.65	Pk	19.9	-30.2	24.35	43.52	-19.17	0-360	101	V
3	665.9606	29.69	Pk	25.8	-26.5	28.99	46.02	-17.03	0-360	400	H

Pk - Peak detector

BAND 5 – Low Channel

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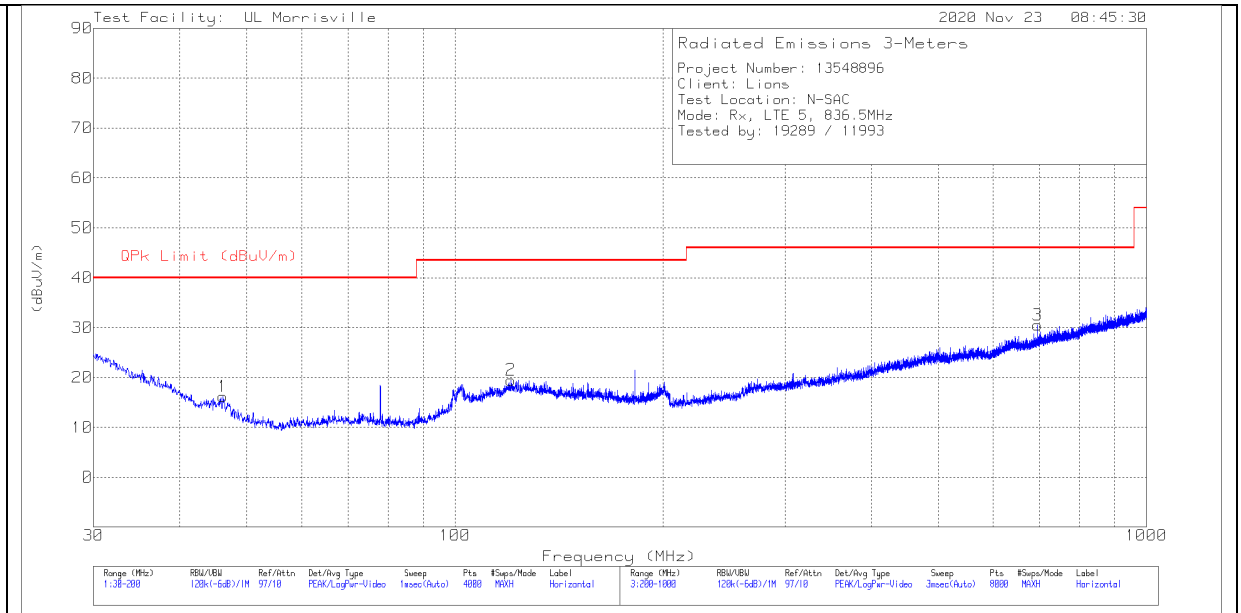
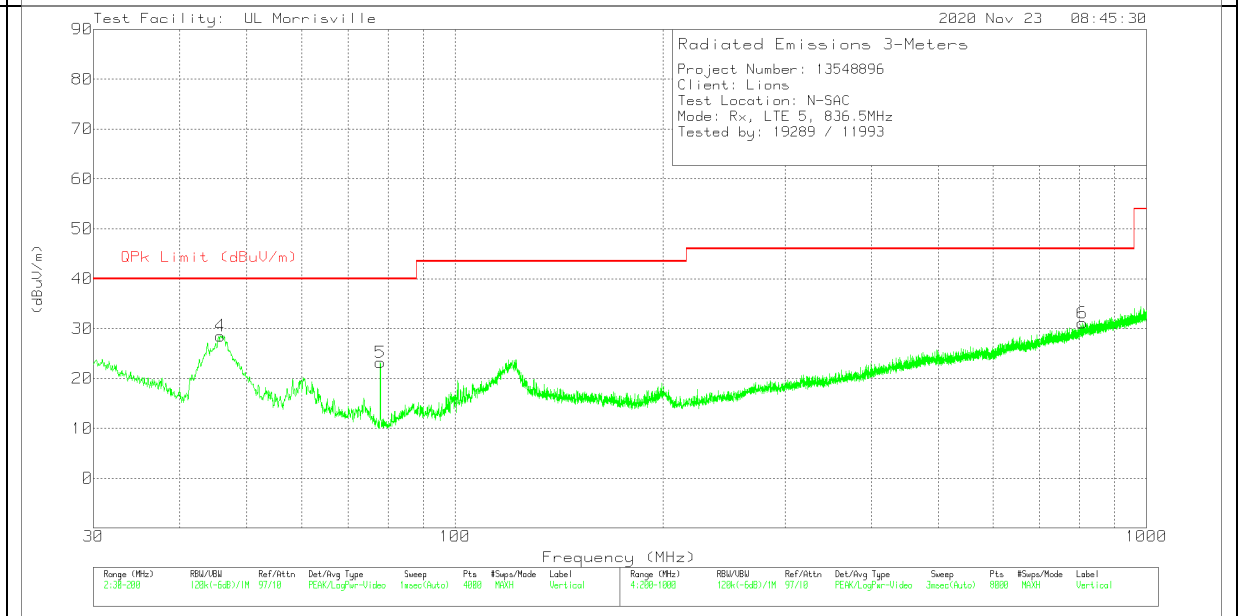
HORIZONTAL



VERTICAL



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AT0074 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	45.8141	43.95	Pk	15.8	-31.2	28.55	40	-11.45	0-360	100	V
1	46.1967	31.79	Pk	15.6	-31.2	16.19	40	-23.81	0-360	399	H
5	77.9949	40.12	Pk	13.8	-30.7	23.22	40	-16.78	0-360	100	V
2	120.5484	29.71	Pk	20	-30.2	19.51	43.52	-24.01	0-360	99	H
3	696.1645	30.62	Pk	26.3	-26.4	30.52	46.02	-15.5	0-360	99	H
6	807.679	29.25	Pk	27.6	-25.7	31.15	46.02	-14.87	0-360	99	V

Pk - Peak detector

BAND 5 – Mid Channel

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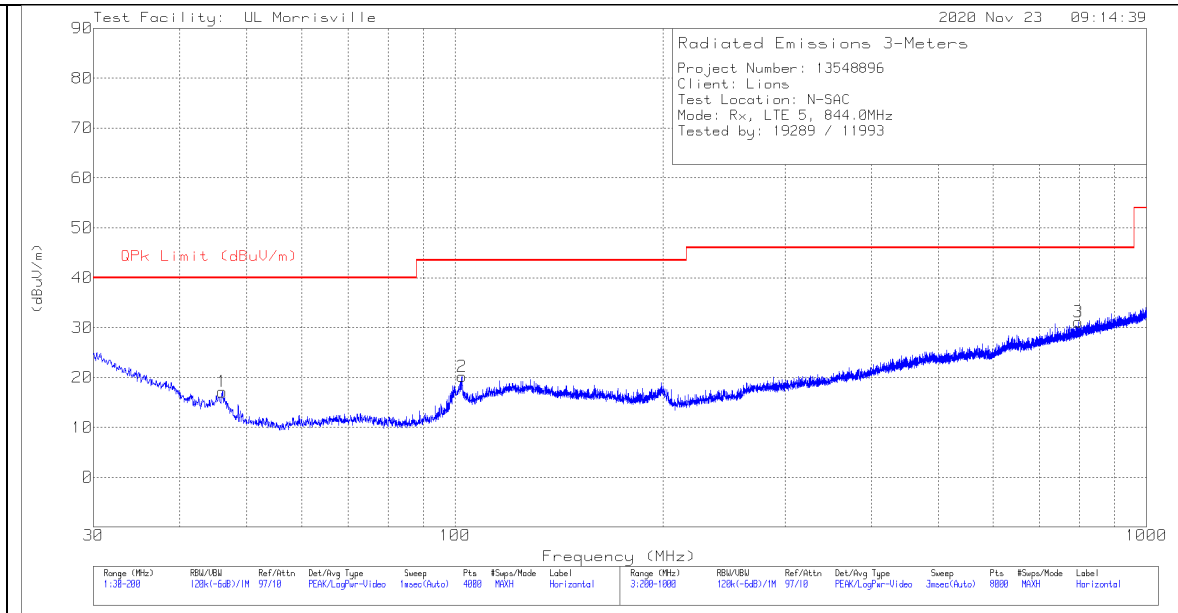
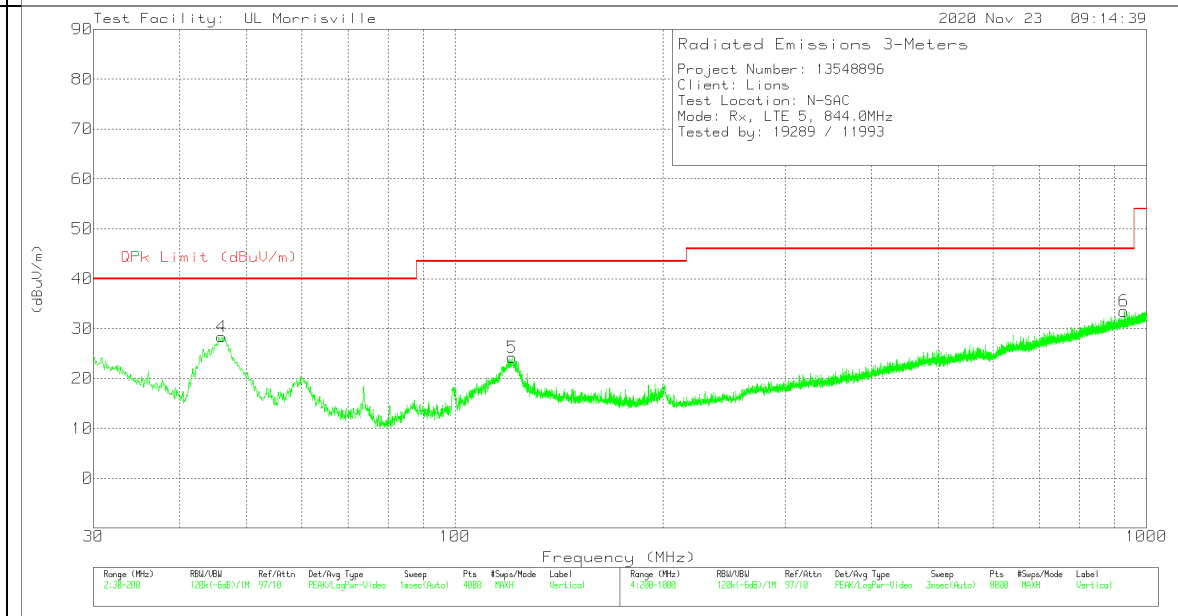
HORIZONTAL



VERTICAL



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AT0074 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	45.9841	43.84	Pk	15.7	-31.2	28.34	40	-11.66	0-360	100	V
1	46.1117	32.74	Pk	15.6	-31.2	17.14	40	-22.86	0-360	200	H
2	102.3112	33.6	Pk	17	-30.4	20.2	43.52	-23.32	0-360	299	H
5	120.9735	34.44	Pk	20	-30.2	24.24	43.52	-19.28	0-360	100	V
3	796.9776	29.65	Pk	27.3	-25.8	31.15	46.02	-14.87	0-360	199	H
6	927.5946	29.37	Pk	28.6	-24.5	33.47	46.02	-12.55	0-360	199	V

Pk - Peak detector

BAND 5 – High Channel

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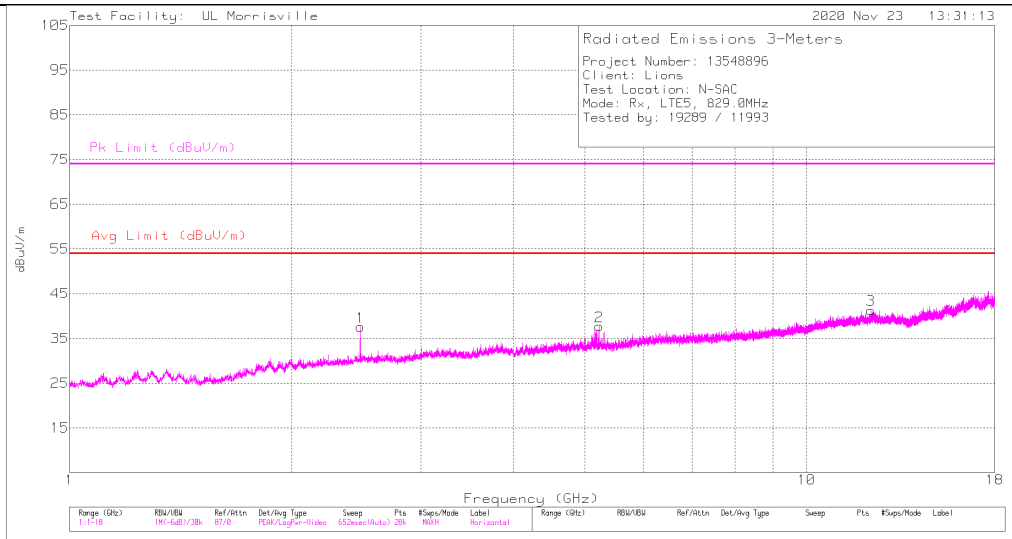
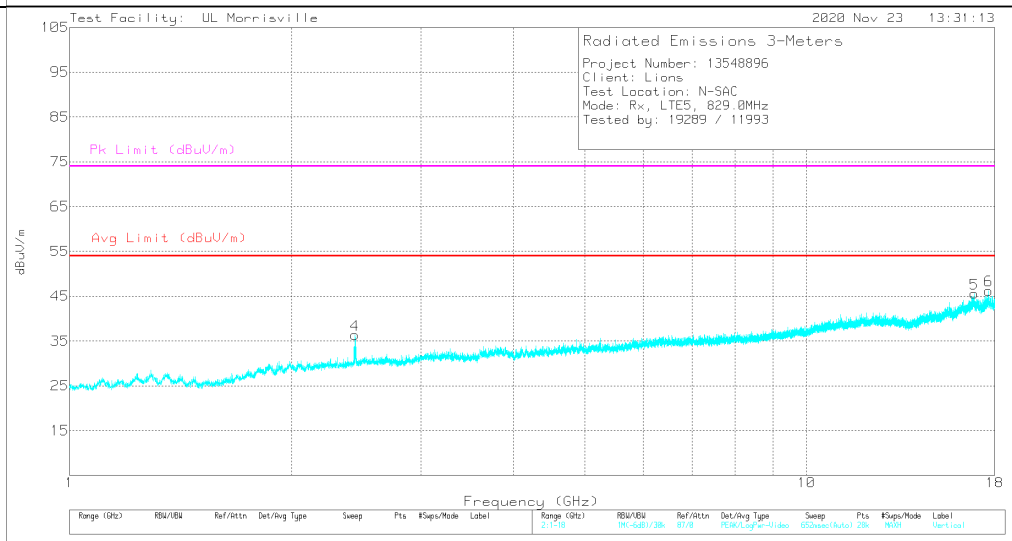
LTE BAND 5 ABOVE 1GHz

HORIZONTAL



VERTICAL



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB(/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading dBuV/m	Avg Limit (dBuV/m)	Margin (dB)	Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	2.44206	49.28	Pk	32.1	-34.5	46.88	-	-	74	-27.12	203	248	V
	2.44206	28.72	Av	32.1	-34.5	26.32	54	-27.68	-	-	203	248	V
1	2.47943	40.54	Pk	32.4	-34.5	38.44	-	-	74	-35.56	113	313	H
	2.47943	28.44	Av	32.4	-34.5	26.34	54	-27.66	-	-	113	313	H
2	5.22857	39.27	Pk	34.3	-32.8	40.77	-	-	74	-33.23	331	211	H
	5.22857	27.87	Av	34.3	-32.8	29.37	54	-24.63	-	-	331	211	H
3	12.22864	34.98	Pk	38.9	-27.1	46.78	-	-	74	-27.22	176	395	H
	12.22864	23.85	Av	38.9	-27.1	35.65	54	-18.35	-	-	176	395	H
5	16.88986	35.43	Pk	41.5	-25.2	51.73	-	-	74	-22.27	84	283	V
	16.88986	23.23	Av	41.5	-25.2	39.53	54	-14.47	-	-	84	283	V
6	17.6529	33.31	Pk	41.7	-24.2	50.81	-	-	74	-23.19	84	101	V
	17.6529	22.95	Av	41.7	-24.2	40.45	54	-13.55	-	-	84	101	V

Pk - Peak detector
Av - Average detection

BAND 5 – Low Channel

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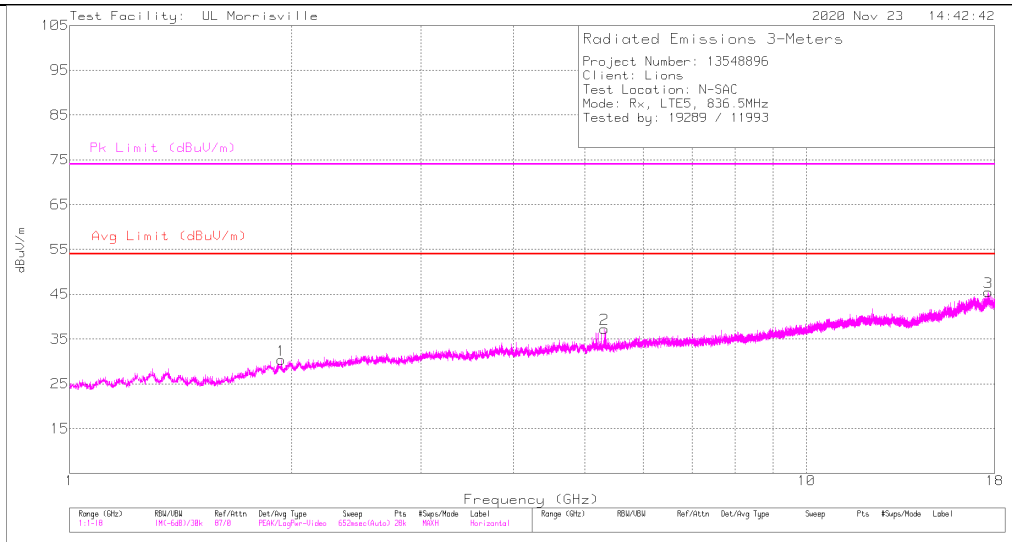
HORIZONTAL



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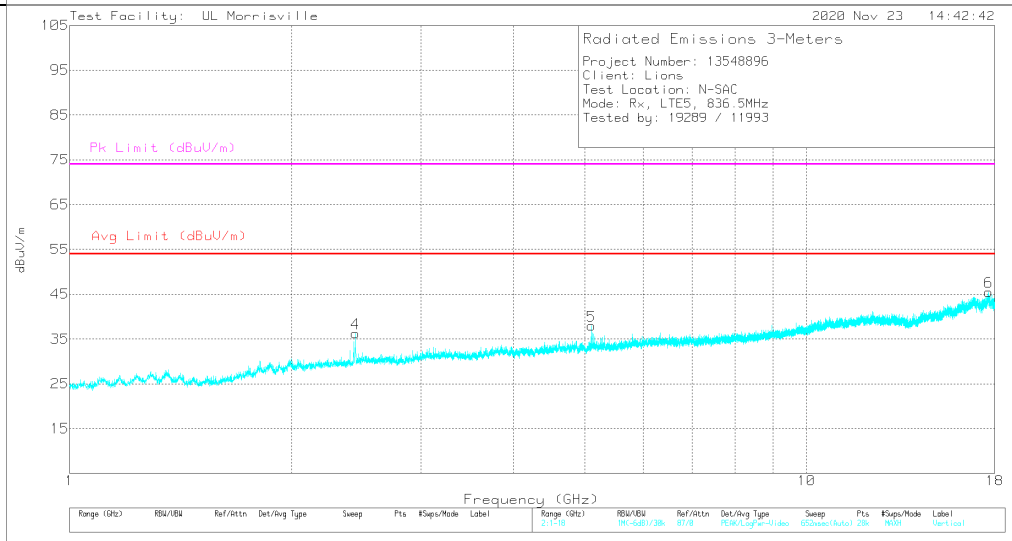

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB(/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading dBuV/m	Avg Limit (dBuV/m)	Margin (dB)	Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.93837	39.95	Pk	30.9	-35.4	35.45	-	-	74	-38.55	91	376	H
	1.93837	29.24	Av	30.9	-35.4	24.74	54	-29.26	-	-	91	376	H
4	2.44365	44.51	Pk	32.1	-34.5	42.11	-	-	74	-31.89	278	312	V
	2.44365	28.7	Av	32.1	-34.5	26.3	54	-27.7	-	-	278	312	V
5	5.11129	38.9	Pk	34.2	-32.5	40.6	-	-	74	-33.4	118	291	V
	5.11129	27.66	Av	34.2	-32.5	29.36	54	-24.64	-	-	118	291	V
2	5.31604	38.98	Pk	34.4	-32	41.38	-	-	74	-32.62	28	325	H
	5.31604	27.5	Av	34.4	-32	29.9	54	-24.1	-	-	28	325	H
3	17.64518	34.45	Pk	41.7	-24.4	51.75	-	-	74	-22.25	355	326	H
	17.64518	23.01	Av	41.7	-24.4	40.31	54	-13.69	-	-	355	326	H
6	17.65996	34.38	Pk	41.6	-24	51.98	-	-	74	-22.02	154	207	V
	17.65996	22.75	Av	41.6	-24	40.35	54	-13.65	-	-	154	207	V

Pk - Peak detector
Av - Average detection

BAND 5 – Mid Channel

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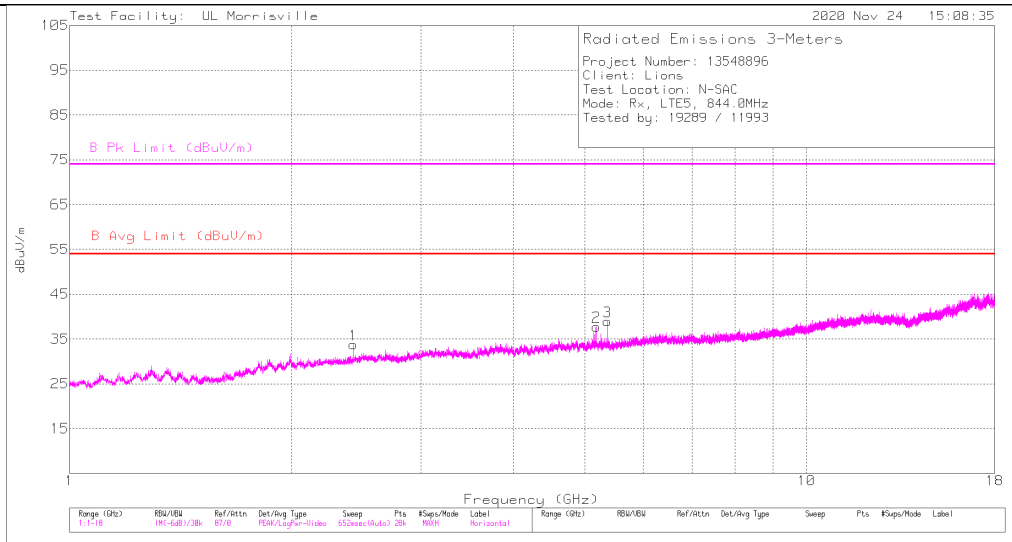
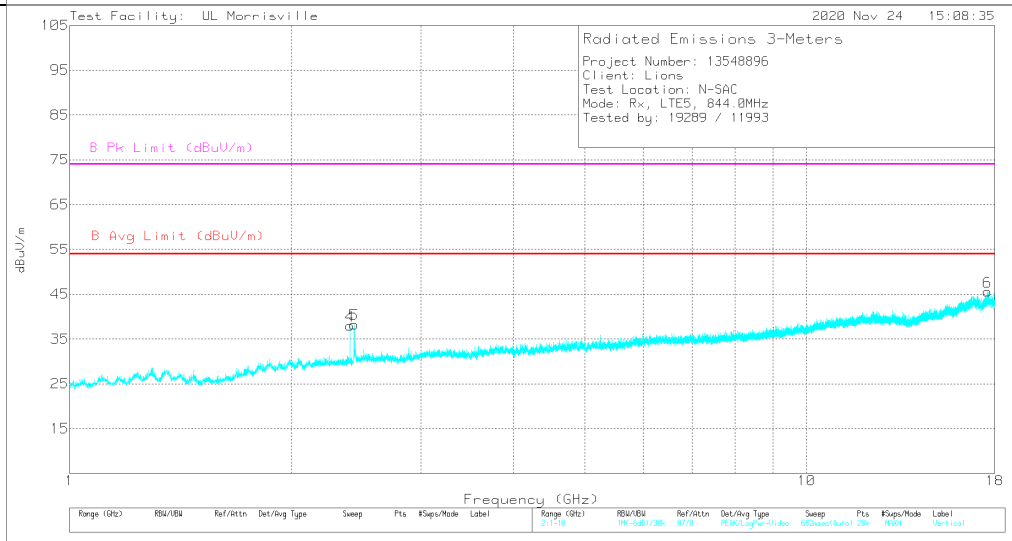
HORIZONTAL



VERTICAL



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB(/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading dBuV/m	Avg Limit (dBuV/m)	Margin (dB)	Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	2.402	42.57	Pk	31.9	-34.6	39.87	-	-	74	-34.13	267	198	V
	2.402	28.82	Av	31.9	-34.6	26.12	54	-27.88	-	-	267	198	V
1	2.42369	39.54	Pk	31.9	-34.5	36.94	-	-	74	-37.06	236	333	H
	2.42369	28.61	Av	31.9	-34.5	26.01	54	-27.99	-	-	236	333	H
5	2.43459	40.52	Pk	32.1	-34.5	38.12	-	-	74	-35.88	48	329	V
	2.43459	30.69	Av	32.1	-34.5	28.29	54	-25.71	-	-	48	329	V
2	5.18643	38.89	Pk	34.3	-32.7	40.49	-	-	74	-33.51	159	387	H
	5.18643	27.92	Av	34.3	-32.7	29.52	54	-24.48	-	-	159	387	H
3	5.36719	38.44	Pk	34.5	-32.2	40.74	-	-	74	-33.26	165	167	H
	5.36719	27.57	Av	34.5	-32.2	29.87	54	-24.13	-	-	165	167	H
6	17.59502	35.38	Pk	41.8	-25.5	51.68	-	-	74	-22.32	136	213	V
	17.59502	23.92	Av	41.8	-25.5	40.22	54	-13.78	-	-	136	213	V

Pk - Peak detector
Av - Average detection

BAND 5 – High Channel

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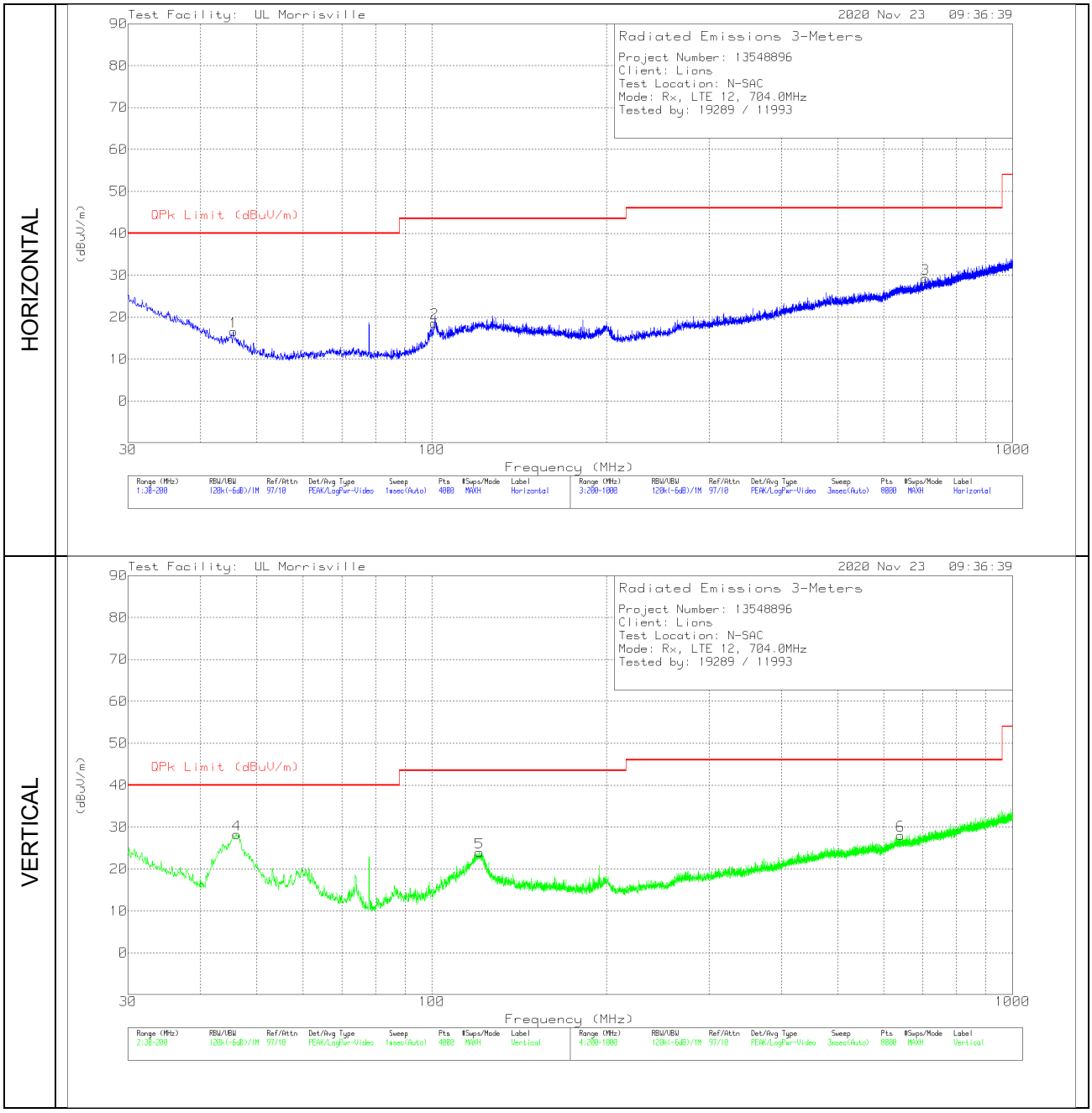
LTE BAND 12 BELOW 1GHz



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AT0074 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	45.559	31.76	Pk	16	-31.2	16.56	40	-23.44	0-360	300	H
4	46.1542	43.85	Pk	15.6	-31.2	28.25	40	-11.75	0-360	100	V
2	101.0359	32.42	Pk	16.6	-30.4	18.62	43.52	-24.9	0-360	300	H
5	120.846	34.19	Pk	20	-30.2	23.99	43.52	-19.53	0-360	100	V
6	641.6574	28.74	Pk	25.9	-26.6	28.04	46.02	-17.98	0-360	99	V
3	707.566	29.03	Pk	26.5	-26.3	29.23	46.02	-16.79	0-360	399	H

Pk - Peak detector

BAND 12 – Low Channel

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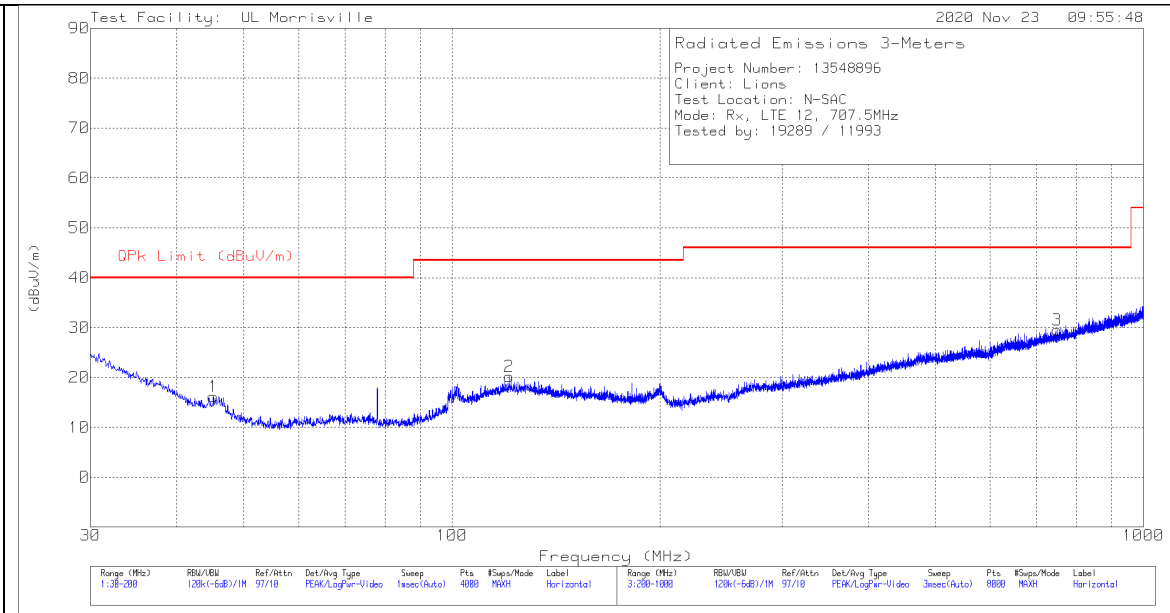
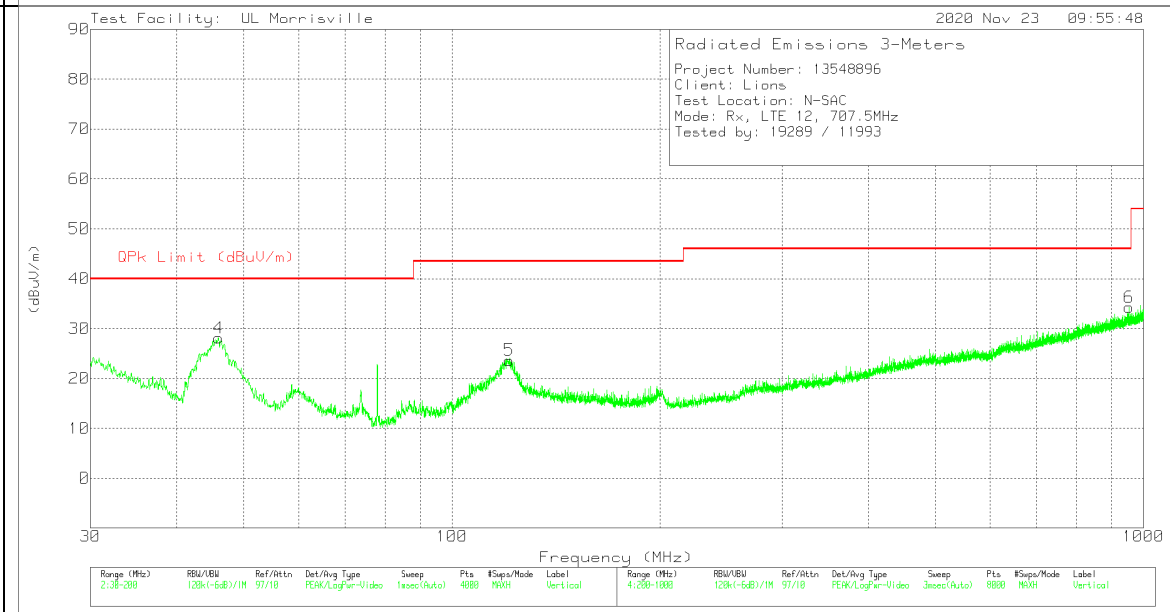
HORIZONTAL



VERTICAL



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AT0074 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	45.1764	31.18	Pk	16.2	-31.2	16.18	40	-23.82	0-360	300	H
4	45.9416	43.6	Pk	15.7	-31.2	28.1	40	-11.9	0-360	100	V
5	120.931	33.85	Pk	20	-30.2	23.65	43.52	-19.87	0-360	100	V
2	121.0586	30.4	Pk	20	-30.2	20.2	43.52	-23.32	0-360	399	H
3	749.8715	28.82	Pk	26.8	-26.1	29.52	46.02	-16.5	0-360	199	H
6	953.798	29.25	Pk	29.1	-24.1	34.25	46.02	-11.77	0-360	100	V

Pk - Peak detector

BAND 12 – Mid Channel

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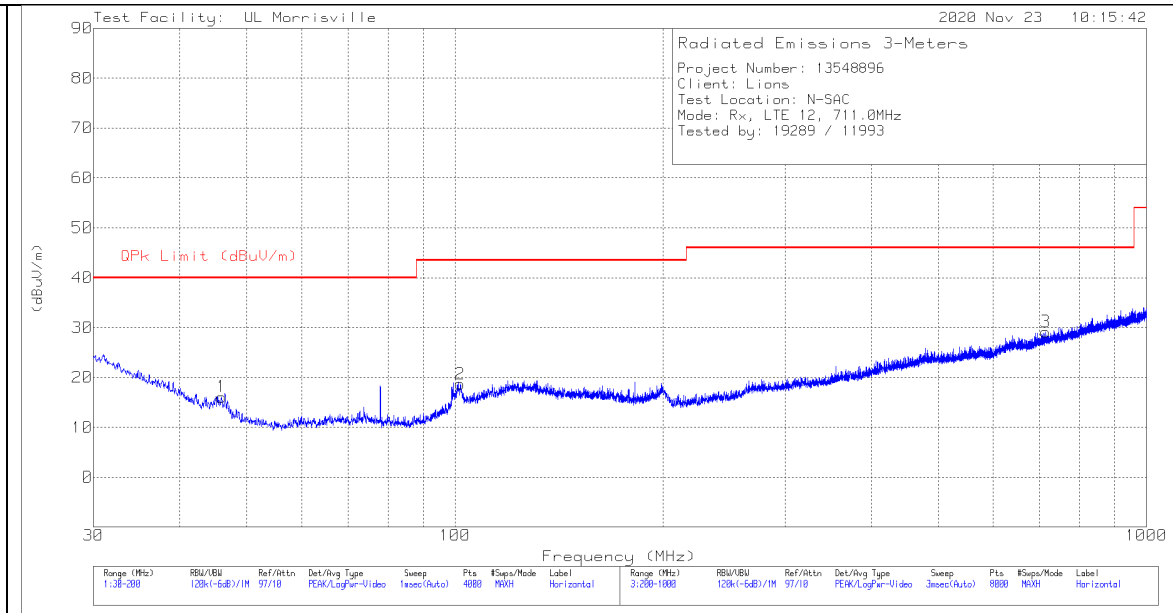
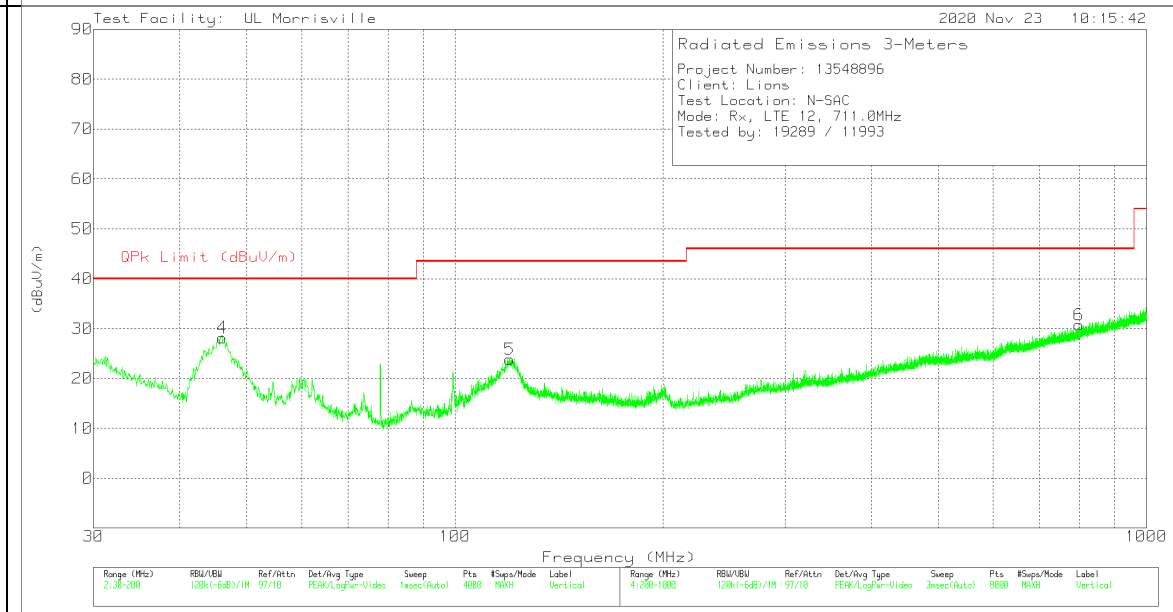
HORIZONTAL



VERTICAL



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AT0074 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	45.9416	31.62	Pk	15.7	-31.2	16.12	40	-23.88	0-360	299	H
4	46.0692	43.66	Pk	15.7	-31.2	28.16	40	-11.84	0-360	100	V
2	101.8436	32.23	Pk	16.9	-30.4	18.73	43.52	-24.79	0-360	299	H
5	120.0383	34.14	Pk	19.9	-30.2	23.84	43.52	-19.68	0-360	100	V
3	714.6669	28.87	Pk	26.5	-26.2	29.17	46.02	-16.85	0-360	99	H
6	798.8778	29.05	Pk	27.4	-25.7	30.75	46.02	-15.27	0-360	199	V

Pk - Peak detector

BAND 12 – High Channel

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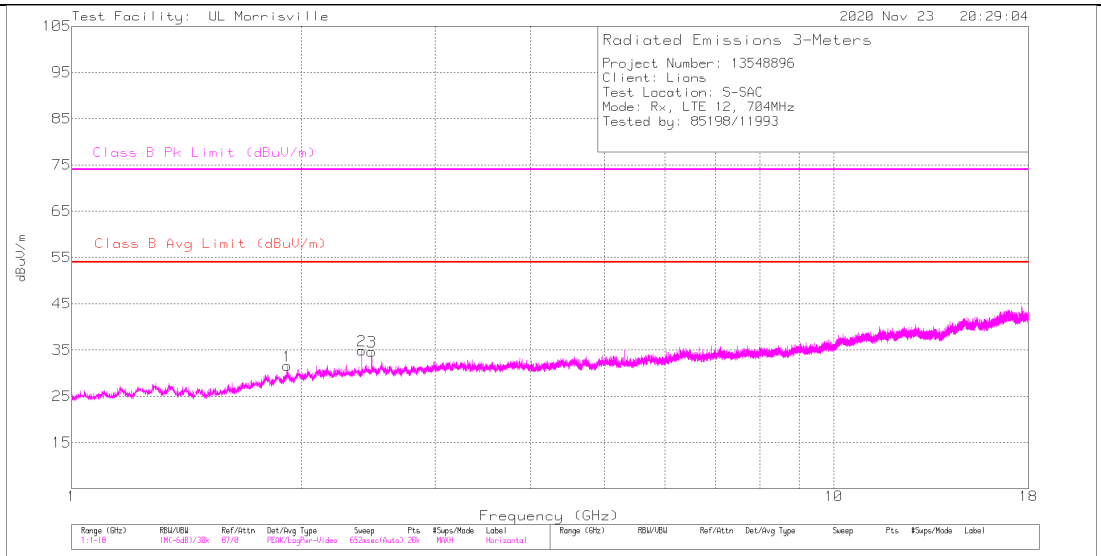
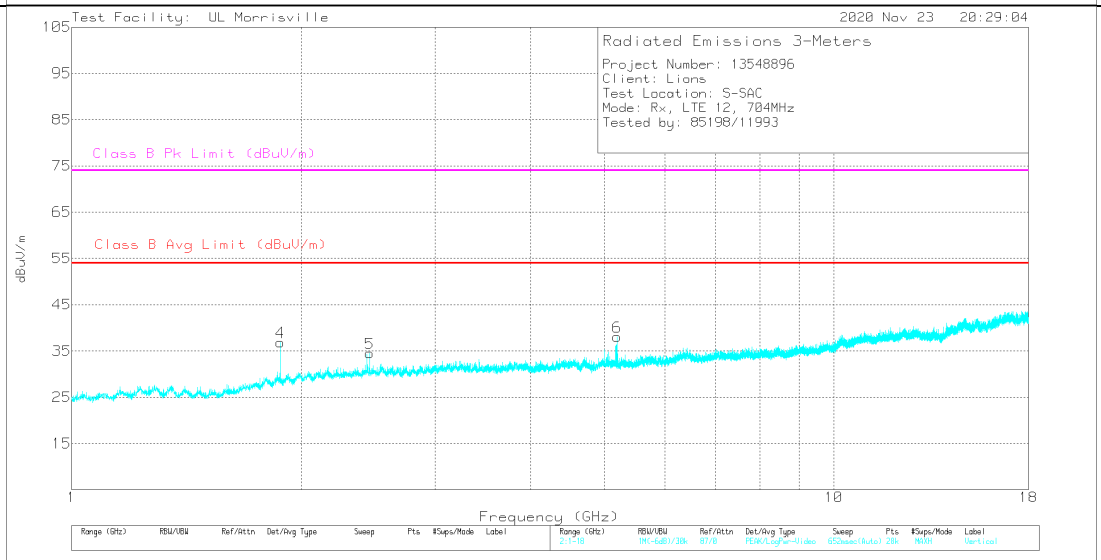
LTE BAND 12 ABOVE 1GHz

HORIZONTAL



VERTICAL



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB(/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading dBuV/m	Avg Limit (dBuV/m)	Margin (dB)	Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	1.87688	49.77	Pk	31	-34.6	46.17	-	-	74	-27.83	0	319	V
4	1.87688	29.88	Av	31	-34.6	26.28	54	-27.72	-	-	0	319	V
1	1.91604	40.34	Pk	31.3	-34.6	37.04	-	-	74	-36.96	258	300	H
1	1.91604	30.47	Av	31.3	-34.6	27.17	54	-26.83	-	-	258	300	H
2	2.40175	45.9	Pk	32.1	-34.3	43.7	-	-	74	-30.3	273	165	H
2	2.40175	29.96	Av	32.1	-34.3	27.76	54	-26.24	-	-	273	165	H
5	2.46026	40.39	Pk	32.5	-34.2	38.69	-	-	74	-35.31	347	250	V
5	2.46026	32.09	Av	32.5	-34.2	30.39	54	-23.61	-	-	347	250	V
3	2.47565	41.26	Pk	32.5	-34.2	39.56	-	-	74	-34.44	269	354	H
3	2.47565	29.96	Av	32.5	-34.2	28.26	54	-25.74	-	-	269	354	H
6	5.19485	36.68	Pk	34.2	-31.4	39.48	-	-	74	-34.52	351	292	V
6	5.19485	28.28	Av	34.2	-31.4	31.08	54	-22.92	-	-	351	292	V

Pk - Peak detector
Av - Average detection

BAND 12 – Low Channel

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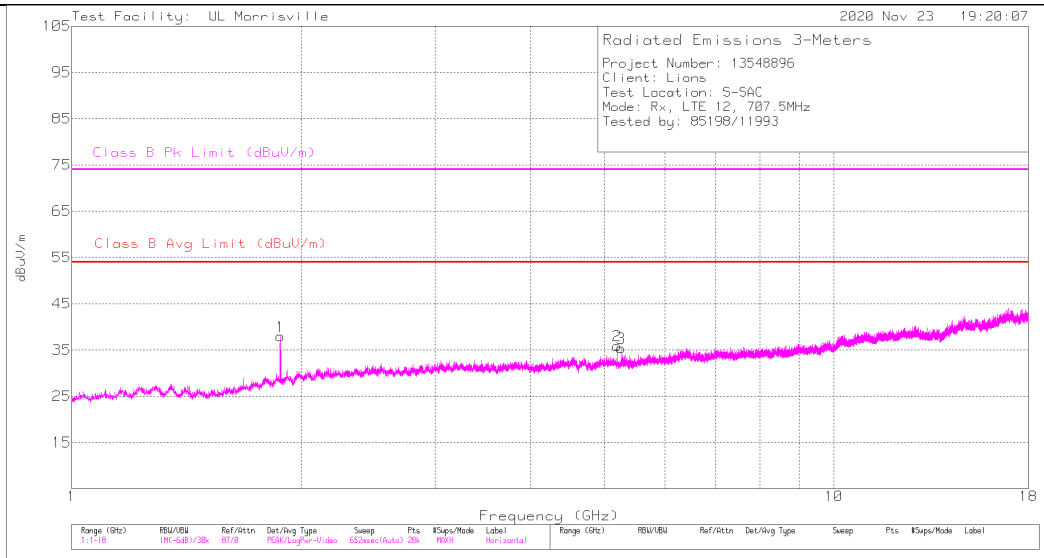
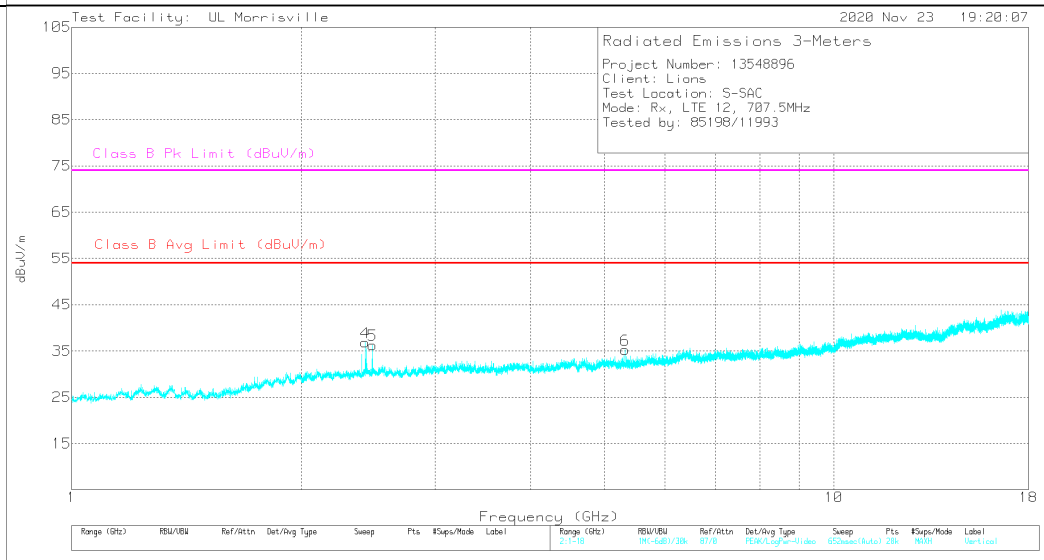


VERTICAL



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB(/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading dBuV/m	Avg Limit (dBuV/m)	Margin (dB)	Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.87817	39.44	Pk	31	-34.6	35.84	-	-	74	-38.16	113	273	H
1	1.87817	29.77	Av	31	-34.6	26.17	54	-27.83	-	-	113	273	H
4	2.42598	42.91	Pk	32.3	-34.4	40.81	-	-	74	-33.19	297	134	V
4	2.42598	30.22	Av	32.3	-34.4	28.12	54	-25.88	-	-	297	134	V
5	2.4799	45.72	Pk	32.4	-34.2	43.92	-	-	74	-30.08	348	101	V
5	2.4799	30.19	Av	32.4	-34.2	28.39	54	-25.61	-	-	348	101	V
2	5.19797	37.29	Pk	34.3	-31.5	40.09	-	-	74	-33.91	271	229	H
2	5.19797	27.08	Av	34.3	-31.5	29.88	54	-24.12	-	-	271	229	H
3	5.25921	36.68	Pk	34.4	-31.3	39.78	-	-	74	-34.22	43	216	H
3	5.25921	26.82	Av	34.4	-31.3	29.92	54	-24.08	-	-	43	216	H
6	5.32349	41.61	Pk	34.4	-30.7	45.31	-	-	74	-28.69	104	101	V
6	5.32349	26.26	Av	34.4	-30.7	29.96	54	-24.04	-	-	104	101	V

Pk - Peak detector
Av - Average detection

BAND 12 – Mid Channel

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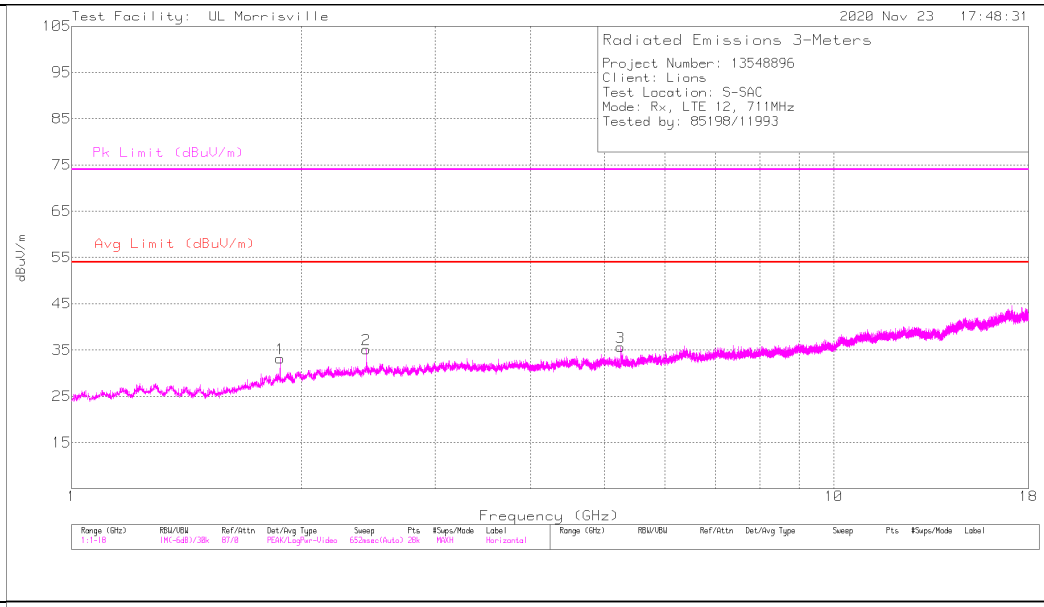
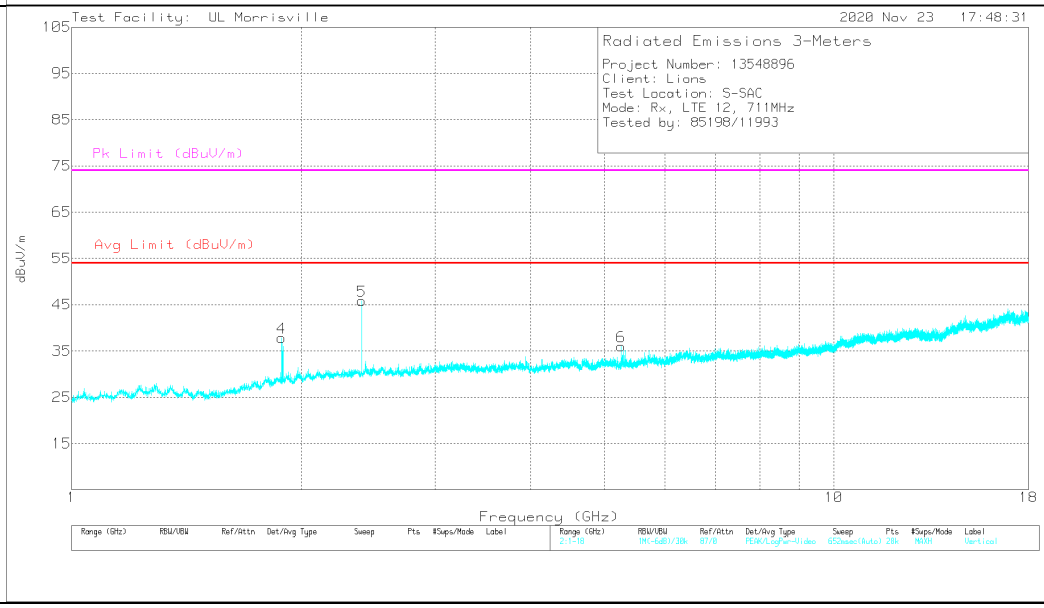
HORIZONTAL



VERTICAL



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB(/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading dBuV/m	Avg Limit (dBuV/m)	Margin (dB)	Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.87727	38.94	Pk	31	-34.6	35.34	-	-	74	-38.66	22	302	H
1	1.87727	31.64	Av	31	-34.6	28.04	54	-25.96	-	-	22	302	H
4	1.88544	43.81	Pk	31.1	-34.6	40.31	-	-	74	-33.69	345	217	V
4	1.88544	29.56	Av	31.1	-34.6	26.06	54	-27.94	-	-	345	217	V
5	2.4024	43.12	Pk	32.1	-34.2	41.02	-	-	74	-32.98	149	201	V
5	2.4024	29.75	Av	32.1	-34.2	27.65	54	-26.35	-	-	149	201	V
2	2.43468	43.3	Pk	32.4	-34.3	41.4	-	-	74	-32.6	63	206	H
2	2.43468	30.37	Av	32.4	-34.3	28.47	54	-25.53	-	-	63	206	H
3	5.25003	36.55	Pk	34.4	-31.3	39.65	-	-	74	-34.35	63	200	H
3	5.25003	25.19	Av	34.4	-31.3	28.29	54	-25.71	-	-	63	200	H
6	5.26042	36.48	Pk	34.4	-31.2	39.68	-	-	74	-34.32	345	275	V
6	5.26042	26.79	Av	34.4	-31.2	29.99	54	-24.01	-	-	345	275	V

Pk - Peak detector
Av - Average detection

BAND 12 – High Channel

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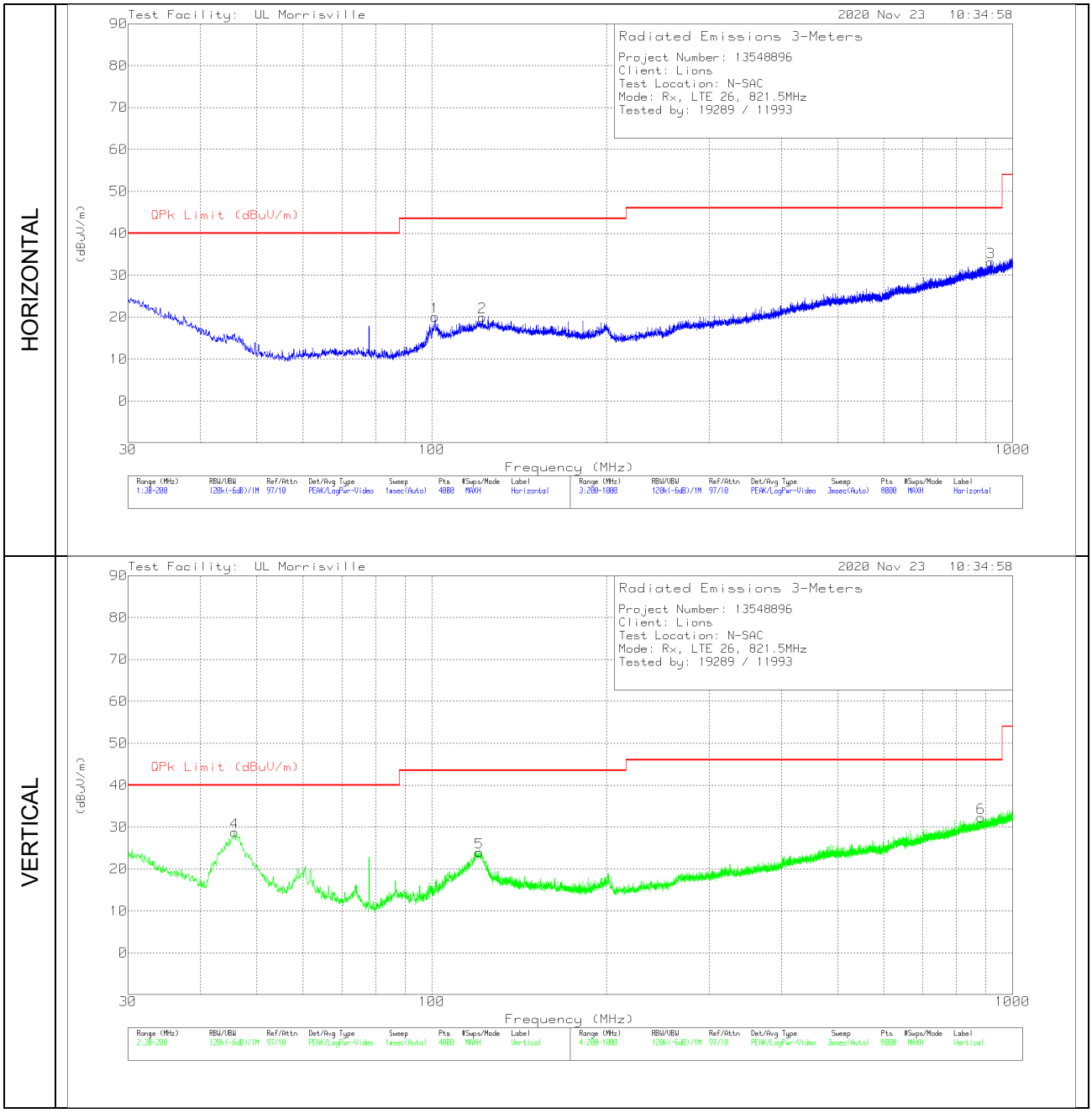
LTE BAND 26 BELOW 1GHz



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AT0074 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	45.7503	44.17	Pk	15.8	-31.2	28.77	40	-11.23	0-360	100	V
1	101.2909	33.73	Pk	16.7	-30.4	20.03	43.52	-23.49	0-360	200	H
5	120.761	34.19	Pk	20	-30.2	23.99	43.52	-19.53	0-360	100	V
2	122.3339	30.2	Pk	20	-30.2	20	43.52	-23.52	0-360	300	H
6	881.9886	29	Pk	28.3	-25	32.3	46.02	-13.72	0-360	299	V
3	917.0932	29.08	Pk	28.7	-24.6	33.18	46.02	-12.84	0-360	199	H

Pk - Peak detector

BAND 26 – Low Channel

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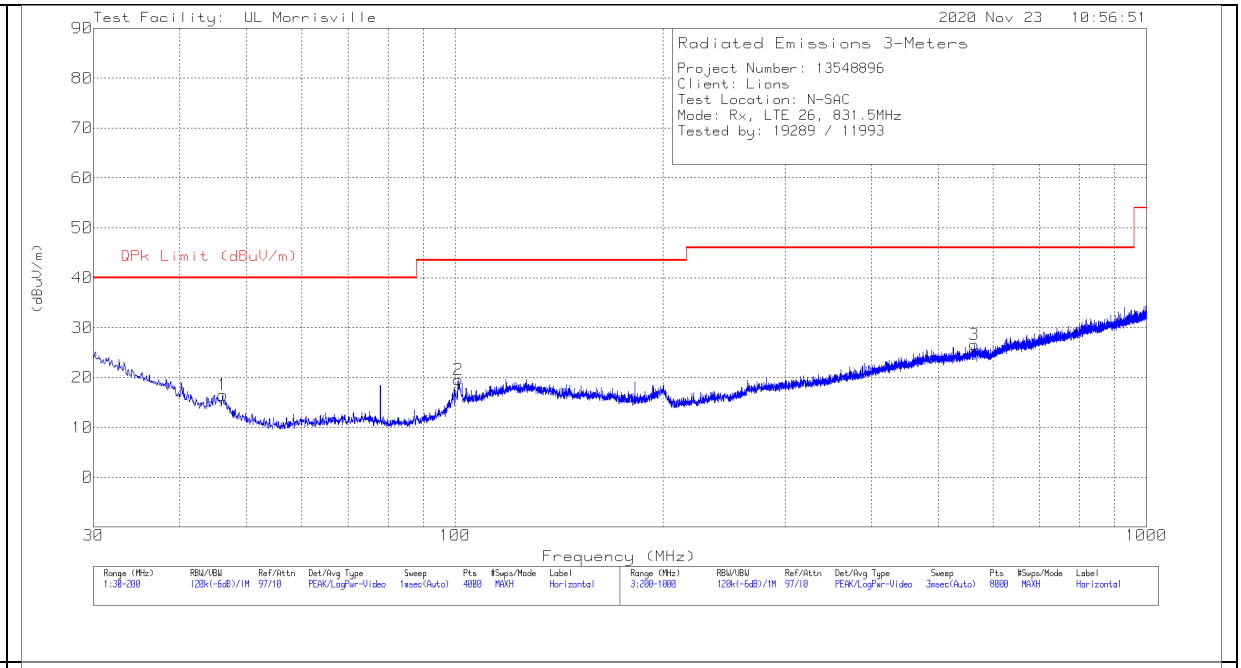
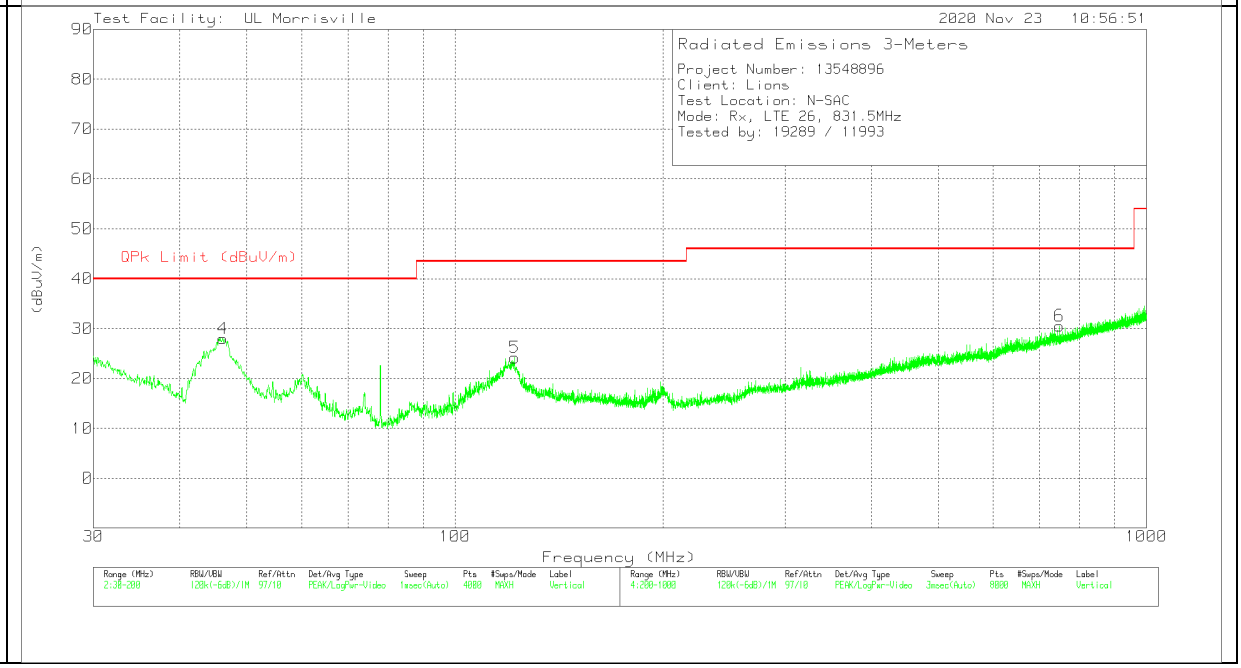
HORIZONTAL



VERTICAL



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AT0074 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	46.1542	32.12	Pk	15.6	-31.2	16.52	40	-23.48	0-360	300	H
4	46.1542	43.6	Pk	15.6	-31.2	28	40	-12	0-360	100	V
2	101.1209	33.41	Pk	16.6	-30.4	19.61	43.52	-23.91	0-360	300	H
5	121.9513	34.38	Pk	20	-30.2	24.18	43.52	-19.34	0-360	100	V
3	563.2472	29.23	Pk	24.5	-27.1	26.63	46.02	-19.39	0-360	399	H
6	748.8713	29.85	Pk	26.8	-26.1	30.55	46.02	-15.47	0-360	200	V

Pk - Peak detector

BAND 26 – Mid Channel

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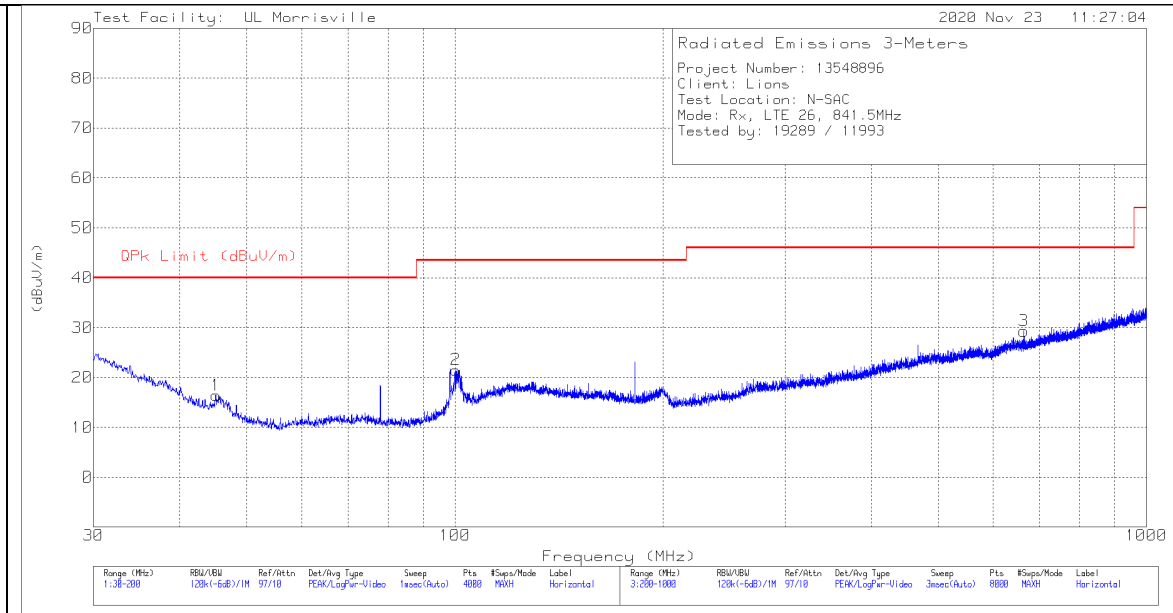
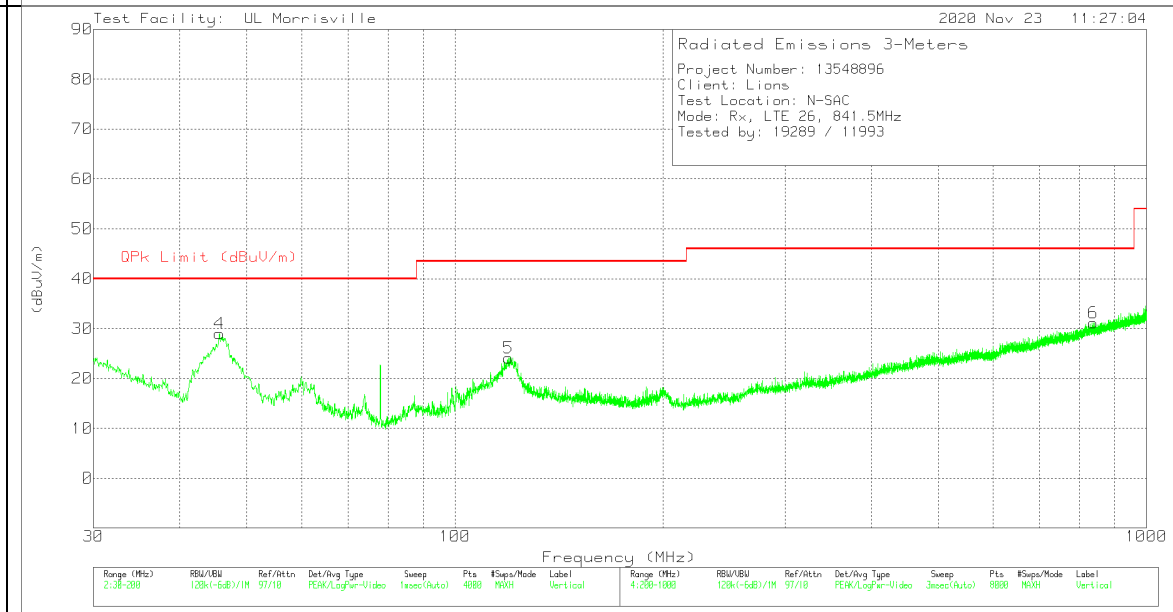
HORIZONTAL



VERTICAL



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AT0074 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	45.0914	31.46	Pk	16.2	-31.2	16.46	40	-23.54	0-360	299	H
4	45.644	44.29	Pk	15.9	-31.2	28.99	40	-11.01	0-360	100	V
2	100.3557	35.53	Pk	16.4	-30.4	21.53	43.52	-21.99	0-360	200	H
5	119.5282	34.41	Pk	19.9	-30.2	24.11	43.52	-19.41	0-360	100	V
3	664.1603	30.03	Pk	25.8	-26.5	29.33	46.02	-16.69	0-360	99	H
6	837.3828	28.43	Pk	28	-25.3	31.13	46.02	-14.89	0-360	200	V

Pk - Peak detector

BAND 26 – High Channel

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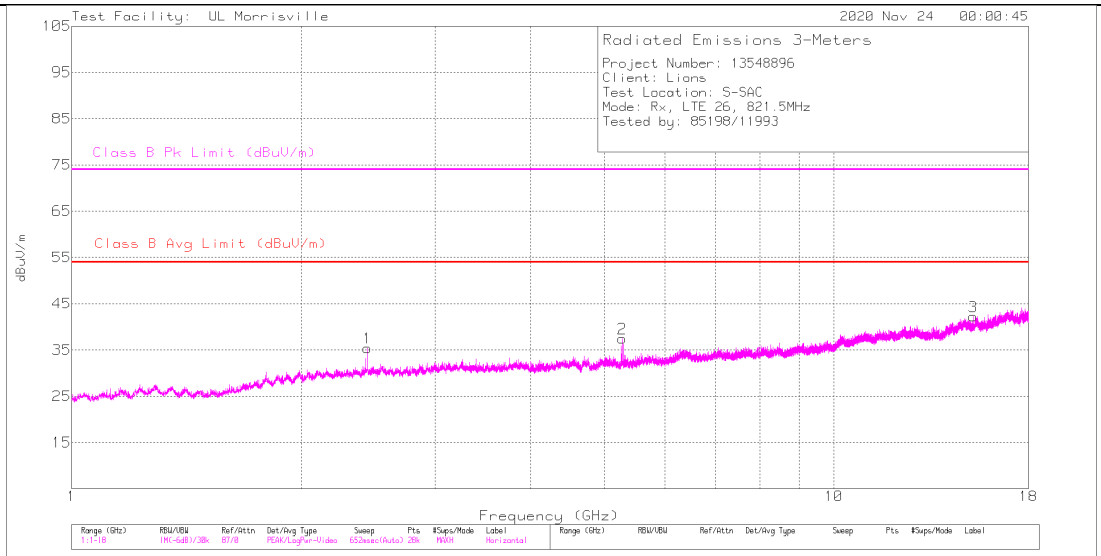
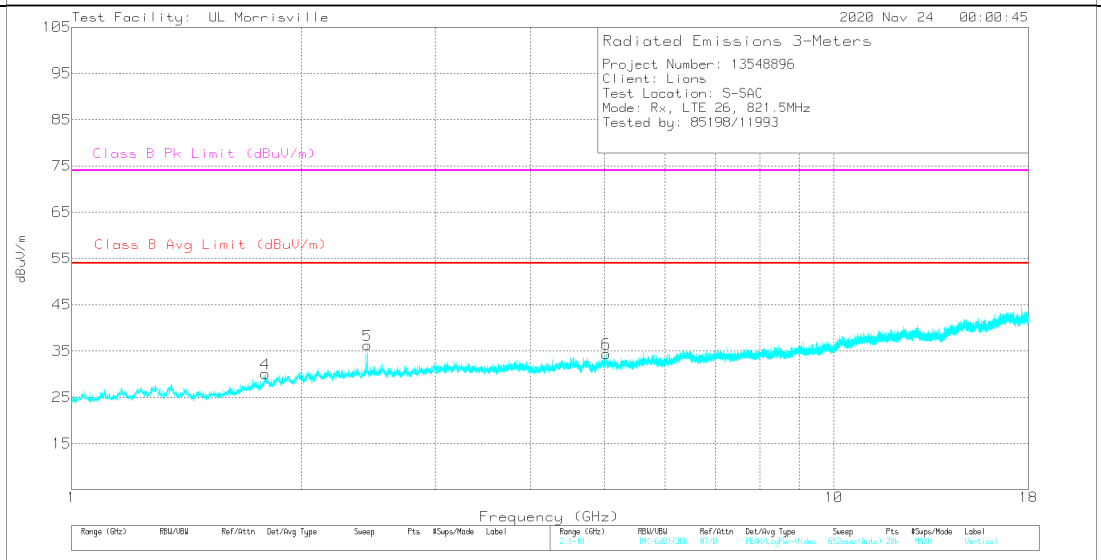
LTE BAND 26 ABOVE 1GHz

HORIZONTAL



VERTICAL



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB(/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading dBuV/m	Avg Limit (dBuV/m)	Margin (dB)	Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	1.79408	39.89	Pk	30.6	-34.8	35.69	-	-	74	-38.31	330	215	V
4	1.79408	33.11	Av	30.6	-34.8	28.91	54	-25.09	-	-	330	215	V
1	2.44453	41.15	Pk	32.5	-34.3	39.35	-	-	74	-34.65	225	292	H
1	2.44453	39.48	Av	32.5	-34.3	37.68	54	-16.32	-	-	225	292	H
5	2.44469	47.55	Pk	32.5	-34.3	45.75	-	-	74	-28.25	0	274	V
5	2.44469	41.53	Av	32.5	-34.3	39.73	54	-14.27	-	-	0	274	V
6	5.02828	38.32	Pk	34	-31.8	40.52	-	-	74	-33.48	1	271	V
6	5.02828	29.56	Av	34	-31.8	31.76	54	-22.24	-	-	1	271	V
2	5.27738	37.4	Pk	34.4	-31	40.8	-	-	74	-33.2	222	321	H
2	5.27738	28.57	Av	34.4	-31	31.97	54	-22.03	-	-	222	321	H
3	15.24824	32.71	Pk	40.3	-25.5	47.51	-	-	74	-26.49	219	182	H
3	15.24824	24.54	Av	40.3	-25.5	39.34	54	-14.66	-	-	219	182	H

Pk - Peak detector
Av - Average detection

BAND 26 – Low Channel

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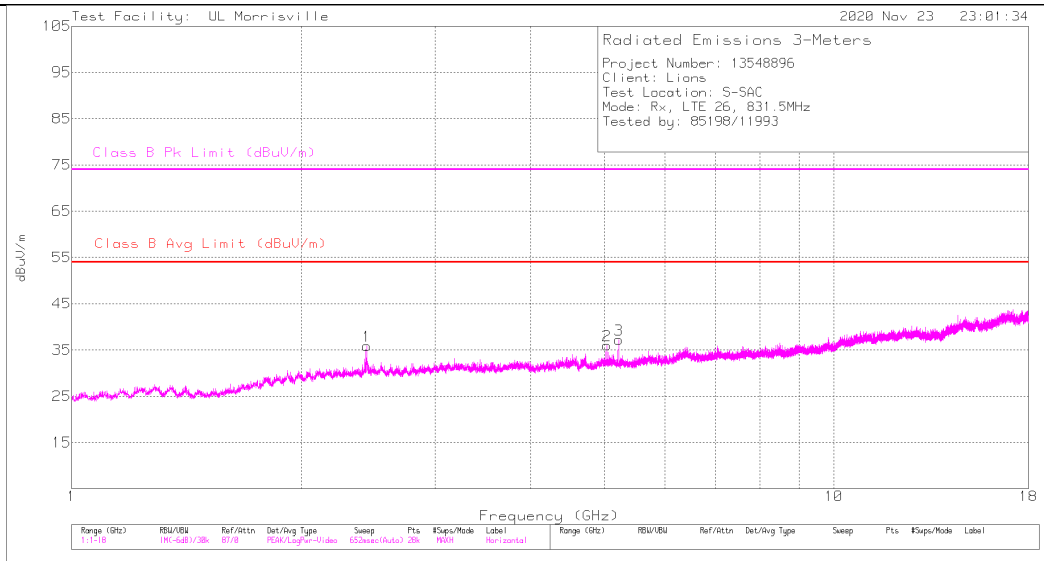
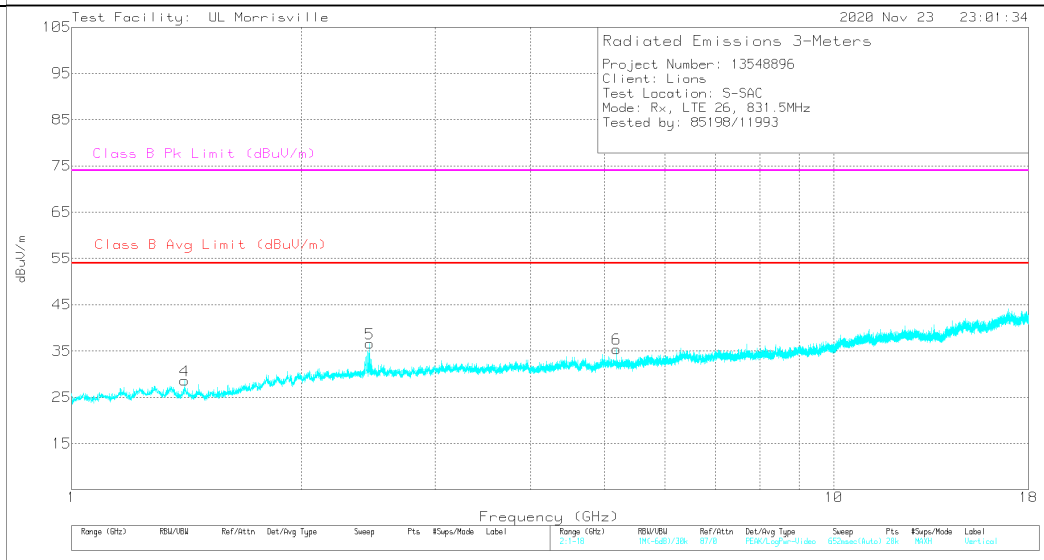
HORIZONTAL



VERTICAL



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB(/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading dBuV/m	Avg Limit (dBuV/m)	Margin (dB)	Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	1.40808	41.37	Pk	28.4	-35.1	34.67	-	-	74	-39.33	70	385	V
4	1.40808	33.1	Av	28.4	-35.1	26.4	54	-27.6	-	-	70	385	V
1	2.43946	40.86	Pk	32.4	-34.3	38.96	-	-	74	-35.04	200	289	H
1	2.43946	39.52	Av	32.4	-34.3	37.62	54	-16.38	-	-	200	289	H
5	2.45951	39.43	Pk	32.5	-34.2	37.73	-	-	74	-36.27	112	236	V
5	2.45951	31.94	Av	32.5	-34.2	30.24	54	-23.76	-	-	112	236	V
2	5.03832	38.88	Pk	34	-31.9	40.98	-	-	74	-33.02	268	155	H
2	5.03832	30.24	Av	34	-31.9	32.34	54	-21.66	-	-	268	155	H
6	5.18723	37.07	Pk	34.2	-31.5	39.77	-	-	74	-34.23	104	252	V
6	5.18723	29.19	Av	34.2	-31.5	31.89	54	-22.11	-	-	104	252	V
3	5.22492	37.62	Pk	34.3	-31.5	40.42	-	-	74	-33.58	30	108	H
3	5.22492	29.31	Av	34.3	-31.5	32.11	54	-21.89	-	-	30	108	H

Pk - Peak detector
Av - Average detection

BAND 26 – Mid Channel

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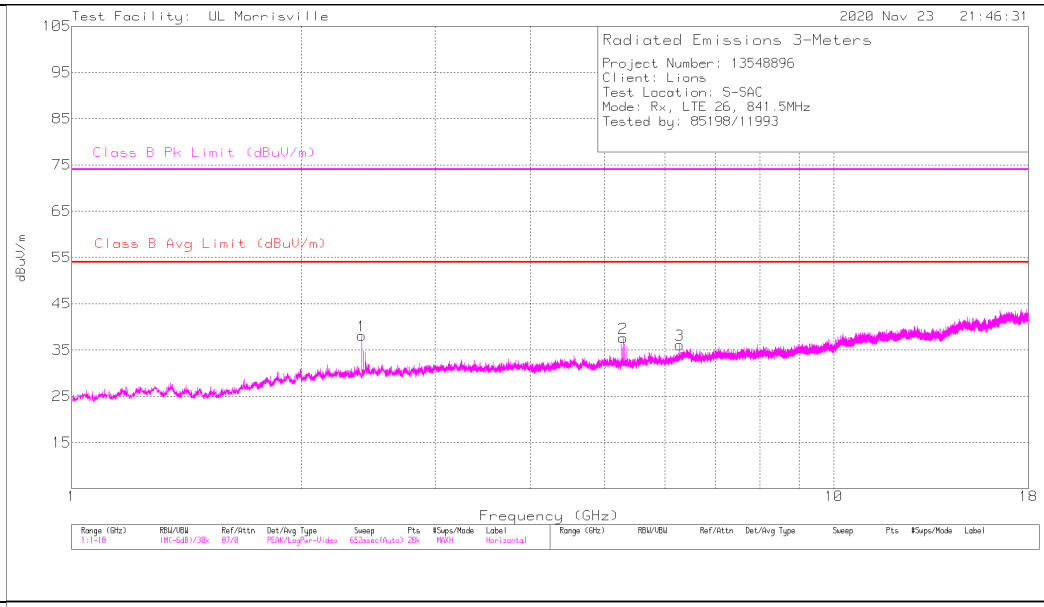
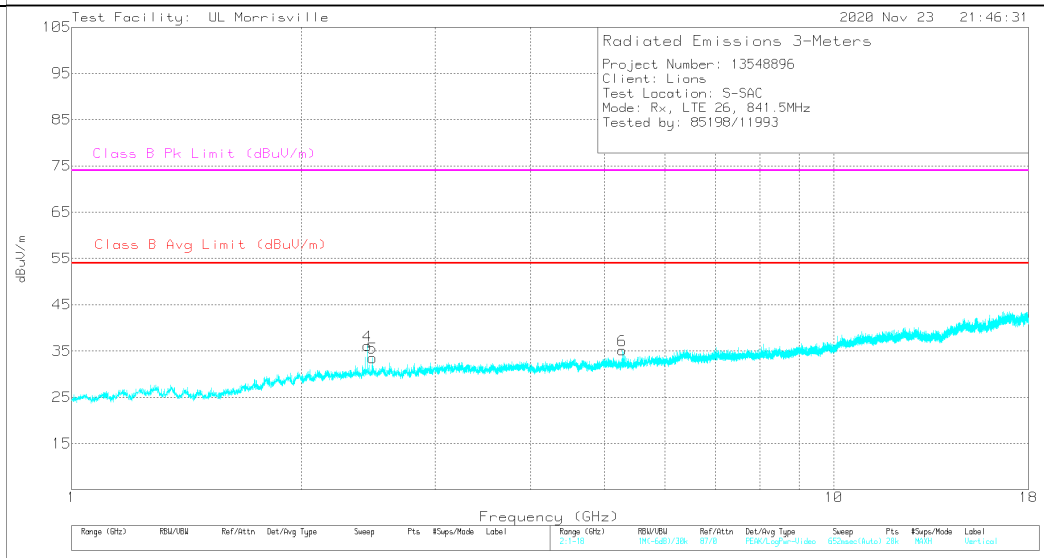
HORIZONTAL



VERTICAL



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AT0072 dB(/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading dBuV/m	Avg Limit (dBuV/m)	Margin (dB)	Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.40166	41.34	Pk	32.1	-34.3	39.14	-	-	74	-34.86	2	243	H
1	2.40166	37.37	Av	32.1	-34.3	35.17	54	-18.83	-	-	2	243	H
4	2.44467	52.61	Pk	32.5	-34.3	50.81	-	-	74	-23.19	51	131	V
4	2.44467	45.52	Av	32.5	-34.3	43.72	54	-10.28	-	-	51	131	V
5	2.4797	45.51	Pk	32.4	-34.2	43.71	-	-	74	-30.29	291	107	V
5	2.4797	34.24	Av	32.4	-34.2	32.44	54	-21.56	-	-	291	107	V
6	5.27525	36.32	Pk	34.4	-31	39.72	-	-	74	-34.28	221	264	V
6	5.27525	28.03	Av	34.4	-31	31.43	54	-22.57	-	-	221	264	V
2	5.29228	36.94	Pk	34.4	-31	40.34	-	-	74	-33.66	266	290	H
2	5.29228	28.51	Av	34.4	-31	31.91	54	-22.09	-	-	266	290	H
3	6.27611	35.96	Pk	35.5	-29.6	41.86	-	-	74	-32.14	181	323	H
3	6.27611	28.2	Av	35.5	-29.6	34.1	54	-19.9	-	-	181	323	H

Pk - Peak detector
Av - Average detection

BAND 26 – High Channel

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