



CERTIFICATION TEST REPORT

Report Number. : 4789219881-E1V3

Applicant : SAMSUNG ELECTRONICS CO., LTD.
129 SAMSUNG-RO, YEONGTONG-GU, SUWON-SI,
GYEONGGI-DO, 16677, KOREA

Model : SM-G986B/DS, SM-G986B

FCC ID : A3LSMG986B

EUT Description : GSM/WCDMA/LTE Phone + BT/BLE, DTS/UNII a/b/g/n/ac/ax,
ANT+, NFC and WPT

Test Standard(s) : FCC 47 CFR PART 15 SUBPART B

Date Of Issue:

December 16, 2019

Prepared by:

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ACCREDITED

Testing Laboratory

TL-637

Revision History

<u>Rev.</u>	<u>Issue Date</u>	<u>Revisions</u>	<u>Revised By</u>
V1	12/09/19	Initial issue	Seokhwan Hong
V2	12/12/19	Updated to address TCB's question	Seokhwan Hong
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1. ATTESTATION OF TEST RESULTS

COMPANY NAME: SAMSUNG ELECTRONICS CO., LTD.
EUT DESCRIPTION: GSM/WCDMA/LTE Phone + BT/BLE, DTS/UNII a/b/g/n/ac/ax, ANT+, NFC and WPT
MODEL NUMBER: SM-G986B/DS, SM-G986B
SERIAL NUMBER: R3CM90FS8HH, R3CM90FSACX (RADIATED);
DATE TESTED: OCT 10, 2019 – DEC 09, 2019;

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC PART 15B	Pass

UL Korea, Ltd. tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by UL Korea, Ltd. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Note: The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. This document may not be altered or revised in any way unless done so by UL Korea, Ltd. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Korea, Ltd. 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 IAS, any agency of the Federal Government, or any agency of any government.

Approved & Released For
UL Korea, Ltd. By:



Junwhan Lee
Suwon Lab Engineer
UL Korea, Ltd.

Tested By:



Seokhwan Hong
Suwon Lab Engineer
UL Korea, Ltd.

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with following methods.

1. FCC CFR 47 Part 2.
2. FCC CFR 47 Part 15.
3. ANSI C63.4, 2014

3. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 218 Maeyeong-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16675, Korea. Line conducted emissions are measured only at the 218 address. 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.

218 Maeyeong-ro	
<input checked="" type="checkbox"/>	Chamber 1
<input checked="" type="checkbox"/>	Chamber 2
<input type="checkbox"/>	Chamber 3

UL Korea, Ltd. is accredited by IAS, Laboratory Code TL-637. The full scope of accreditation can be viewed at <http://www.iasonline.org/wp-content/uploads/2017/05/TL-637.pdf>.

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

4.2. SAMPLE CALCULATION

Where relevant, the following sample calculation is provided:

$EIRP = \text{PSA reading with EUT worst orientation (dBm)} + \text{Path loss (dB)} - \text{cable loss (between the SG and substitution antenna)} + \text{Substitution Antenna Factor (dBi)}$

$ERP = \text{PSA reading with EUT worst orientation (dBm)} + \text{Path loss (dB)} - \text{cable loss (between the SG and substitution antenna)}$

(Path loss = Signal generator output – PSA reading with substitution antenna)

4.3. MEASUREMENT UNCERTAINTY

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

PARAMETER	UNCERTAINTY
Conducted Disturbance, 0.15 to 30 MHz	2.35 dB
Radiated Disturbance, 30 MHz to 1 GHz	3.49 dB
Radiated Disturbance, 1 GHz to 18 GHz	5.82 dB

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

4.4. DECISION RULE

Decision rule for statement(s) of conformity is based on Procedure 1, Clause 4.4.2 in IEC Guide 115:2007.

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

The EUT is a GSM/WCDMA/LTE Phone + BT/BLE, DTS/UNII a/b/g/n/ac/ax, ANT+, NFC and WPT. This test report addresses the WWAN operational mode.

This report covers the Samsung models SM-G986B/DS and SM-G986B. These models are identical in hardware except SM-G986B has single SIM tray. With some pre-scan, model SM-G986B/DS was set for final test.

5.2. TEST MODE

Mode	Description
GSM850	Communicating with Call simulator(CMW500)
WCDMA BAND 5	Communicating with Call simulator(CMW500)
LTE BAND 12	Communicating with Call simulator(CMW500)
LTE BAND 13	Communicating with Call simulator(CMW500)
LTE BAND 26	Communicating with Call simulator(CMW500)

5.3. WORST-CASE ORIENTATION AND MODE

For GSM850 / WCDMA B5 / LTE B12 / LTE Band 13, EUT was investigated in three orthogonal orientations X, Y and Z it was determined that Z orientation was worst-case orientation.

For LTE B26, EUT was investigated in three orthogonal orientations X, Y and Z it was determined that X orientation was worst-case orientation.

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

WCDMA Band 5

WCDMA Band 5 (Frequency range: 824-849 MHz) is covered by GSM 850 (Frequency range: 824-849 MHz) due to same frequency range and maximum tune-up limit is higher than WCDMA Band 5. Therefore, only Mid channel was checked.

LTE Band 5

LTE Band 5 (Frequency range: 824-849 MHz) is covered by LTE Band 26 (Frequency range: 814-849 MHz) due to overlapping frequency range, same maximum tune-up limit and same channel bandwidth.

LTE Band 17

LTE Band 17 (Rx Frequency range: 734-746 MHz) is covered by LTE Band 12 (Rx Frequency range: 729-746 MHz) due to overlapping frequency range, same maximum tune-up limit and same channel bandwidth.

5.4. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Support Equipment List				
Description	Manufacturer	Model	Serial Number	FCC ID
Charger	SAMSUNG	EP-TA800	R37M5DX86X1SE3	N/A
Data Cable	SAMSUNG	EP-DG977	N/A	N/A

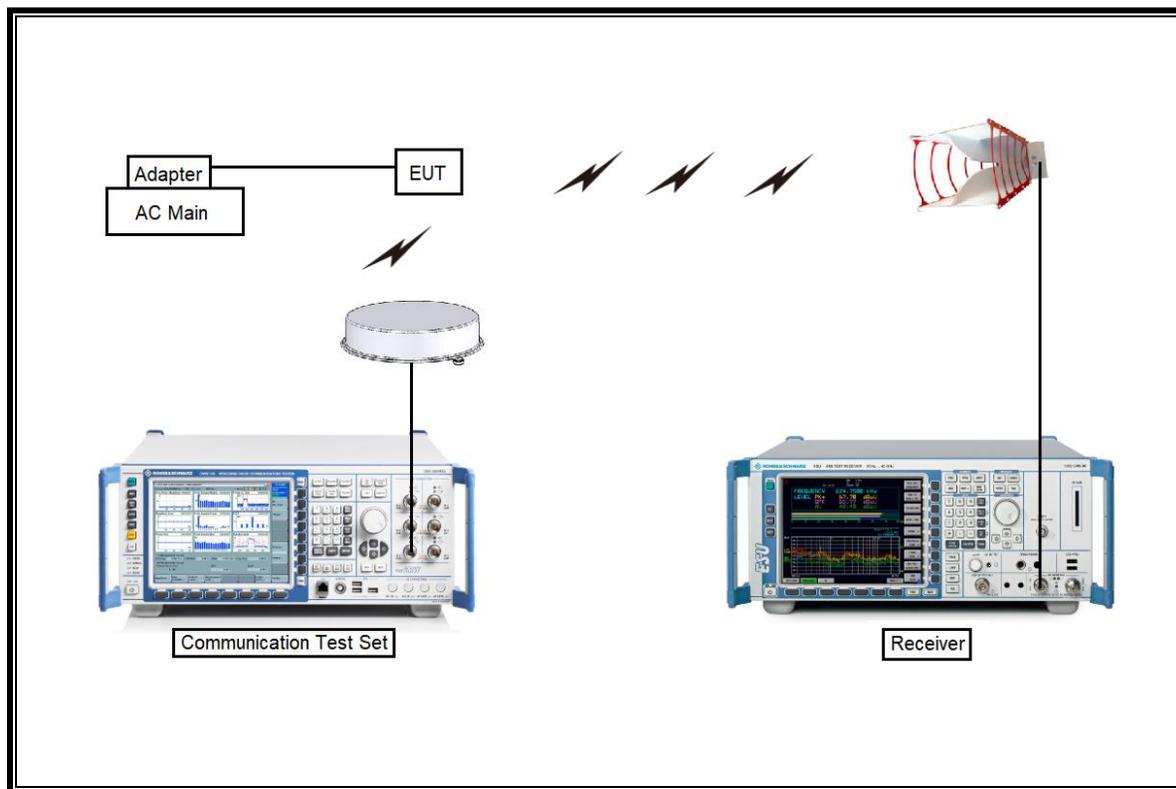
I/O CABLE

I/O Cable List						
Cable No	Port	# of identical ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	DC Power	1	C Type	Shielded	1.0m	N/A

TEST SETUP

The EUT is continuously communicated with the call box during the tests.

SETUP DIAGRAM FOR TESTS (RADIATED TEST SETUP)



6. TEST AND MEASUREMENT EQUIPMENT

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

Test Equipment List				
Description	Manufacturer	Model	S/N	Cal Due
Antenna, Tuned Dipole 400~1000 MHz	ETS	3121D DB4	00164753	01-30-21
Antenna, Horn, 40 GHz	ETS	3116C	00166155	08-13-20
Preamplifier	ETS	3116C-PA	00168841	08-08-20
Antenna, Horn, 40 GHz	ETS	3116C	00168645	10-02-21
Antenna, Bilog, 30MHz-1GHz	SCHWARZBECK	VULB9163	750	08-04-20
Antenna, Bilog, 30MHz-1GHz	SCHWARZBECK	VULB9163	845	08-04-20
Antenna, Bilog, 30MHz-1GHz	SCHWARZBECK	VULB9163	749	08-04-20
Antenna, Horn, 18 GHz	ETS	3115	00167211	08-04-20
Antenna, Horn, 18 GHz	ETS	3115	00161451	08-04-20
Antenna, Horn, 18 GHz	ETS	3117	00168724	08-04-20
Antenna, Horn, 18 GHz	ETS	3117	00205959	08-04-20
Antenna, Horn, 18 GHz	ETS	3117	00168717	08-04-20
Communications Test Set	R&S	CMW500	115331	08-05-20
Preamplifier, 1000 MHz	Sonoma	310N	341282	08-05-20
Preamplifier, 1000 MHz	Sonoma	310N	370599	08-05-20
Preamplifier, 1000 MHz	Sonoma	310N	351741	08-05-20
Preamplifier, 18 GHz	Miteq	AFS42-00101800-25-S-42	1876511	08-06-20
Preamplifier, 18 GHz	Miteq	AFS42-00101800-25-S-42	2029169	08-06-20
Preamplifier, 18 GHz	Miteq	AFS42-00101800-25-S-42	1896138	08-05-20
EMI Test Receive, 44 GHz	R&S	ESW40	101590	08-06-20
EMI Test Receive, 40 GHz	R&S	ESU40	100439	08-06-20
EMI Test Receive, 40 GHz	R&S	ESU40	100457	08-06-20
Directional Antenna	Cobham	FPA3-0.8-6.0R/1329	80108-0004	N/A
High Pass Filter 1.2GHz	Micro-Tronics	HPM50108-02	G005	08-05-20
High Pass Filter 1.2GHz	Micro-Tronics	HPM50108-02	G006	08-05-20
High Pass Filter 2.8GHz	Micro-Tronics	HPM50111-02	010	08-05-20
High Pass Filter 2.8GHz	Micro-Tronics	HPM50111-02	011	08-05-20
High Pass Filter 4GHz	Micro-Tronics	HPM50118-02	G001	08-05-20
High Pass Filter 4GHz	Micro-Tronics	HPM50118-02	G002	08-05-20
Attenuator	PASTERNAK	PE7087-10	A009	08-08-20
Attenuator	PASTERNAK	PE7087-10	A001	08-08-20
Attenuator	PASTERNAK	PE7087-10	A008	08-08-20
Attenuator	PASTERNAK	PE7087-10	2	08-08-20
Attenuator	PASTERNAK	PE7395-10	A011	08-08-20
Antenna, Loop, 9kHz-30MHz	R&S	HFH2-Z2	100418	10-02-21
UL Software				
Description	Manufacturer	Model	Version	
Radiated software	UL	UL EMC	Ver 9.5	

7. APPLICABLE LIMITS AND TEST RESULTS

TEST PROCEDURE

ANSI C63.4: 2014

LIMIT

§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:

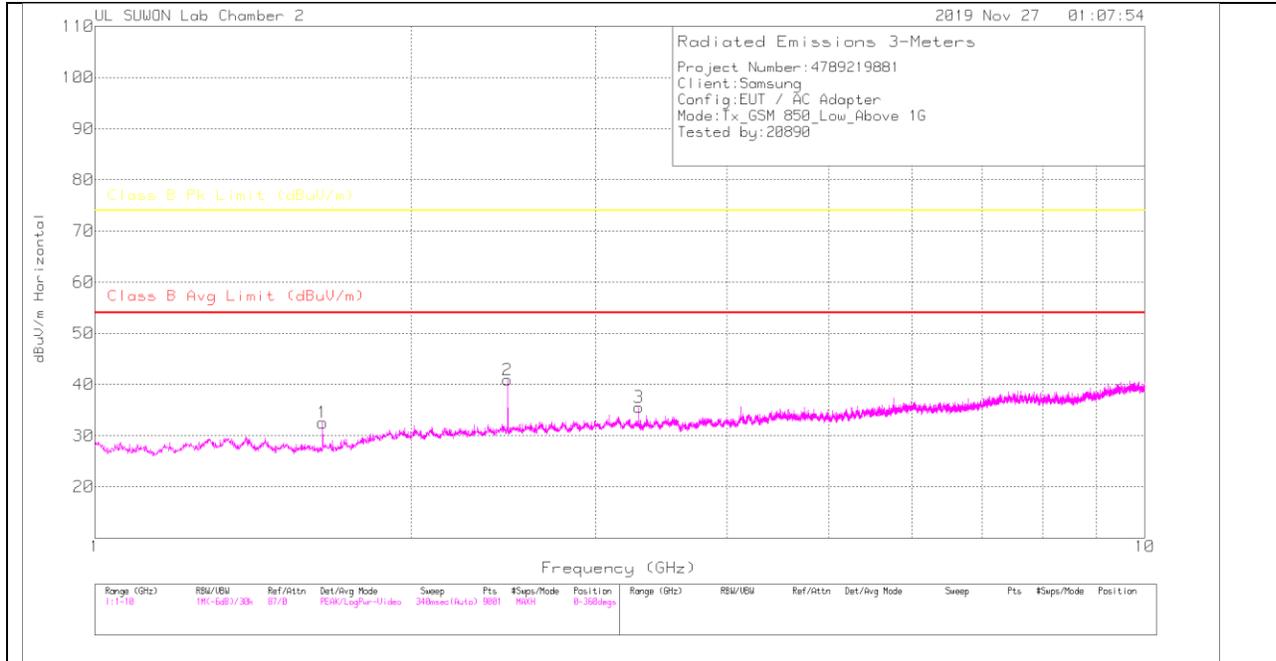
Limits for radiated disturbance of Class B ITE at measuring distance of 3 m	
Frequency range (MHz)	Quasi-peak limits (dB μ V/m)
30 to 88	40
88 to 216	43.5
216 to 960	46
Above 960 MHz	54

Note: The lower limit shall apply at the transition frequency.

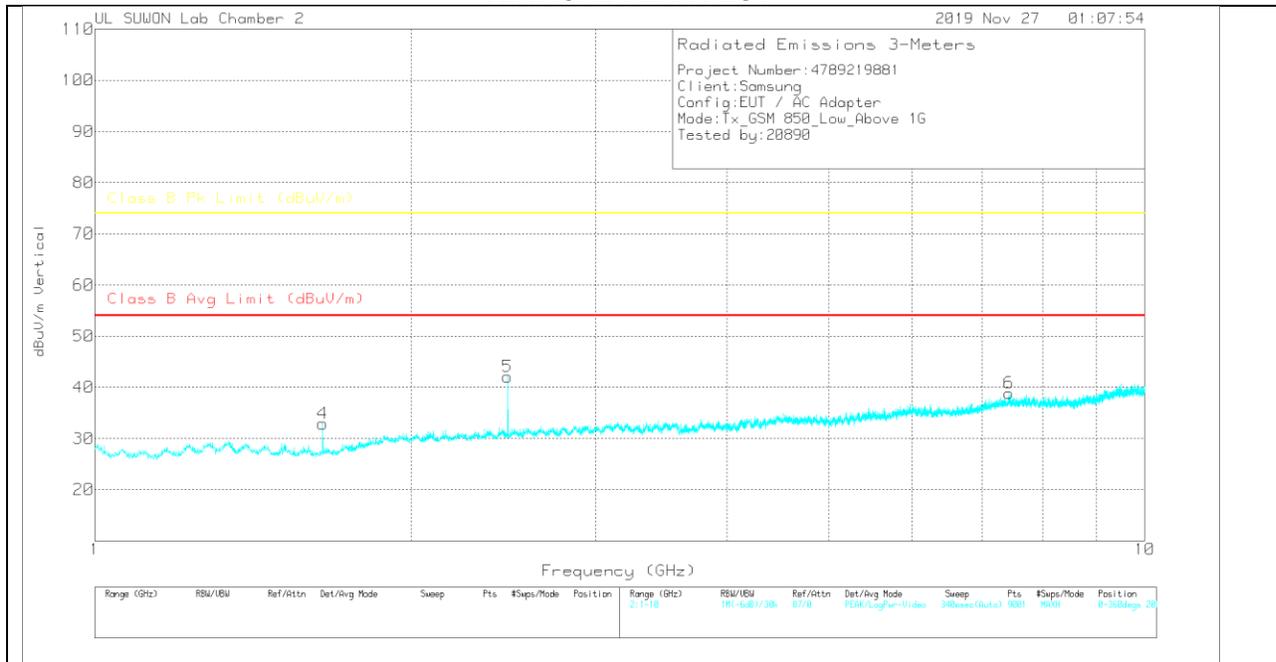
7.1. Above 1 GHz in the GSM850

LOW CHANNEL(869.2MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

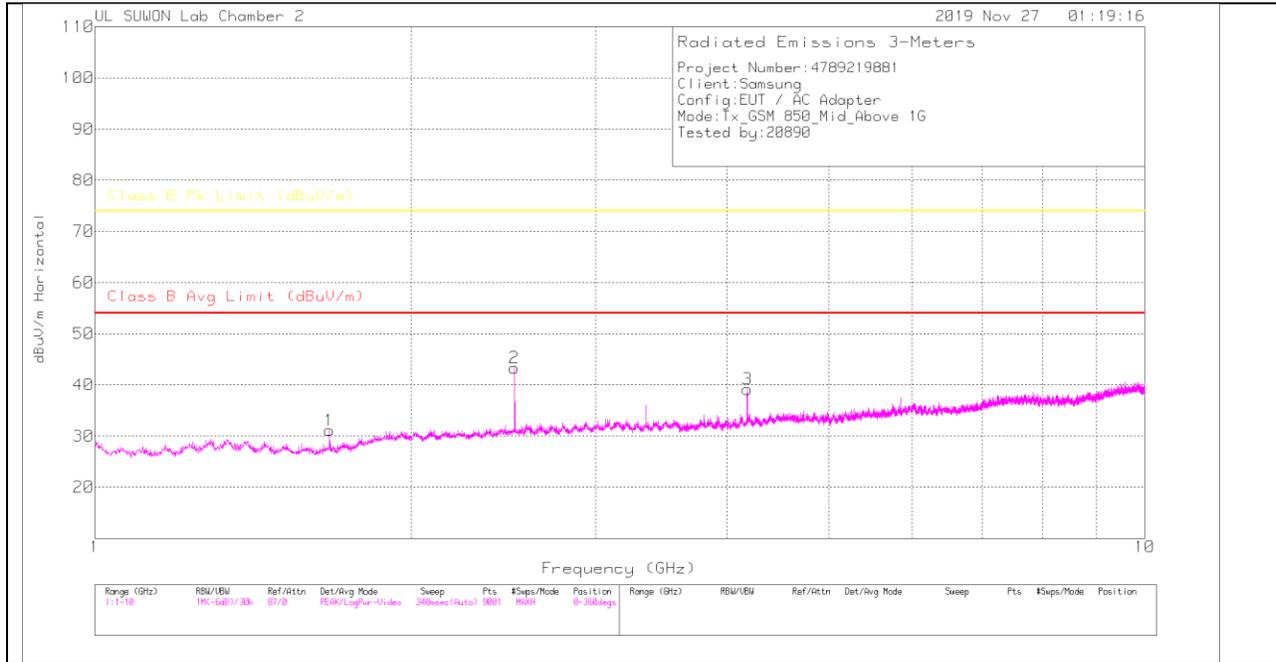
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	1-18GHz[dB]	1GHz_HPF	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Av(CISPR)Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity	
1	1.648	34.95	PK		28.3	-31.4	.7	32.55	-	-	74	-41.45	0-360	200	H
2	2.472	38.41	PK		31.8	-30	.7	40.91	-	-	74	-33.09	0-360	200	H
3	3.297	32.14	PK		32.6	-29.9	.7	35.54	-	-	74	-38.46	0-360	100	H
4	1.648	35.31	PK		28.3	-31.4	.7	32.91	-	-	74	-41.09	0-360	200	V
5	2.472	39.59	PK		31.8	-30	.7	42.09	-	-	74	-31.91	0-360	200	V
6	7.426	27.09	PK		36.2	-25	.6	38.89	-	-	74	-35.11	0-360	100	V

PK – Peak Detector

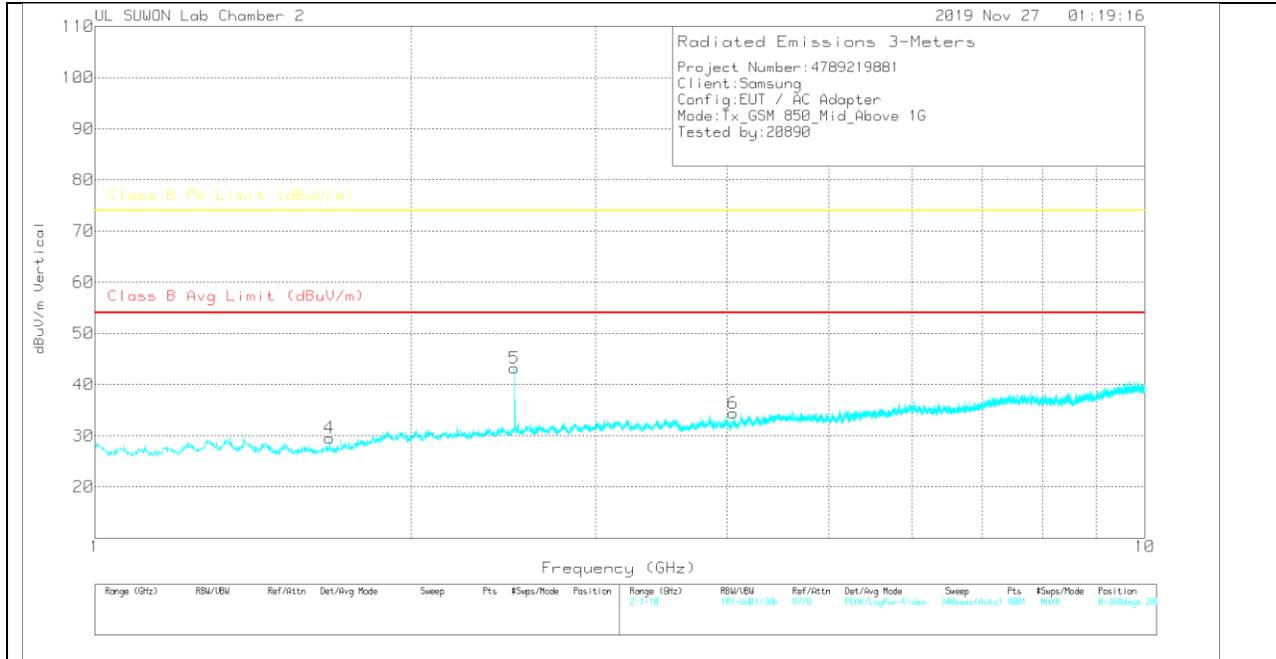
Note: Unwanted emissions on the harmonic frequency were generated from the call-simulator with the TX and RX signals.

MID CHANNEL(881.6MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

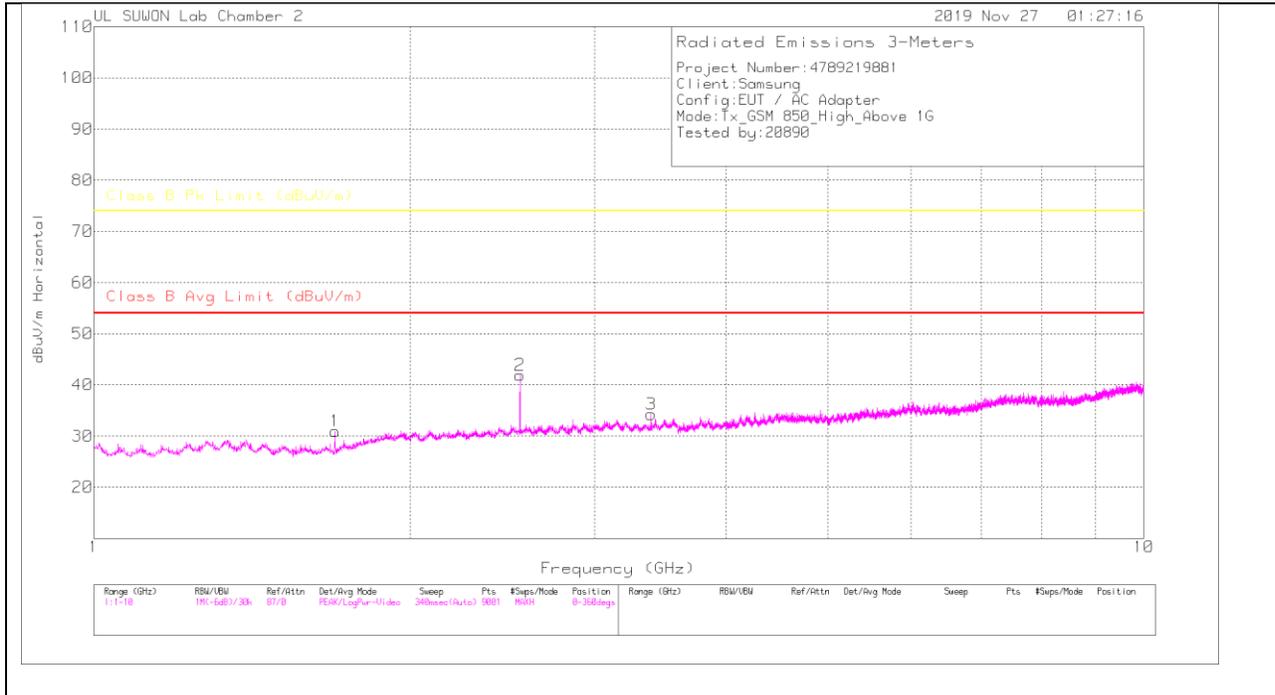
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	1-18GHz[dB]	1GHz_HPF	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Av(CISPR)Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity	
1	1.673	33.2	PK		28.5	-31.3	.7	31.1	-	-	74	-42.9	0-360	200	H
2	2.509	40.82	PK		31.9	-30.1	.7	43.32	-	-	74	-30.68	0-360	100	H
3	4.183	33.36	PK		33.4	-28.1	.5	39.16	-	-	74	-34.84	0-360	200	H
4	1.673	31.67	PK		28.5	-31.3	.7	29.57	-	-	74	-44.43	0-360	200	V
5	2.509	40.7	PK		31.9	-30.1	.7	43.2	-	-	74	-30.8	0-360	100	V
6	4.056	29.5	PK		33.4	-29	.5	34.4	-	-	74	-39.6	0-360	200	V

PK – Peak Detector

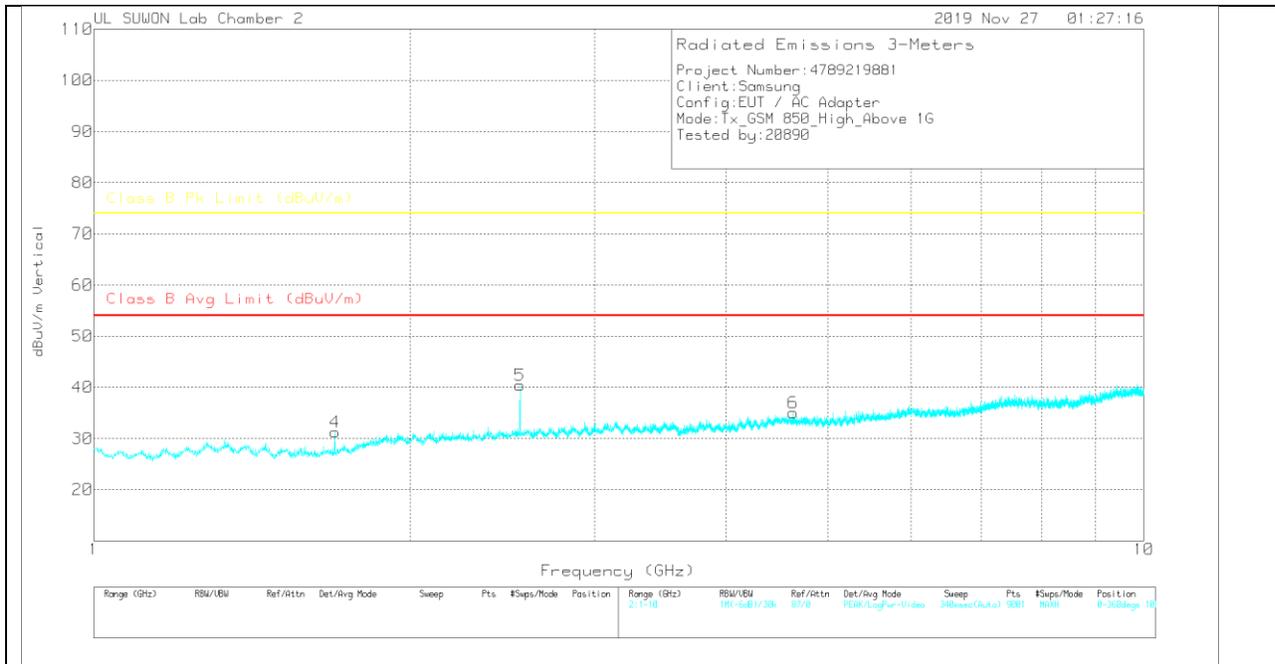
Note: Unwanted emissions on the harmonic frequency were generated from the call-simulator with the TX and RX signals.

HIGH CHANNEL(893.8MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	1-18GHz[dB]	1GHz_HPF	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Av(CISPR)Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.697	32.85	PK	28.6	-31.2	.7	30.95	-	-	74	-43.05	0-360	200	H
2	2.546	39.3	PK	32	-30.1	.7	41.9	-	-	74	-32.1	0-360	100	H
3	3.395	30.27	PK	32.6	-29.3	.7	34.27	-	-	74	-39.73	0-360	200	H
4	1.697	33.12	PK	28.6	-31.2	.7	31.22	-	-	74	-42.78	0-360	100	V
5	2.546	37.79	PK	32	-30.1	.7	40.39	-	-	74	-33.61	0-360	200	V
6	4.635	29.51	PK	34	-29	.5	35.01	-	-	74	-38.99	0-360	200	V

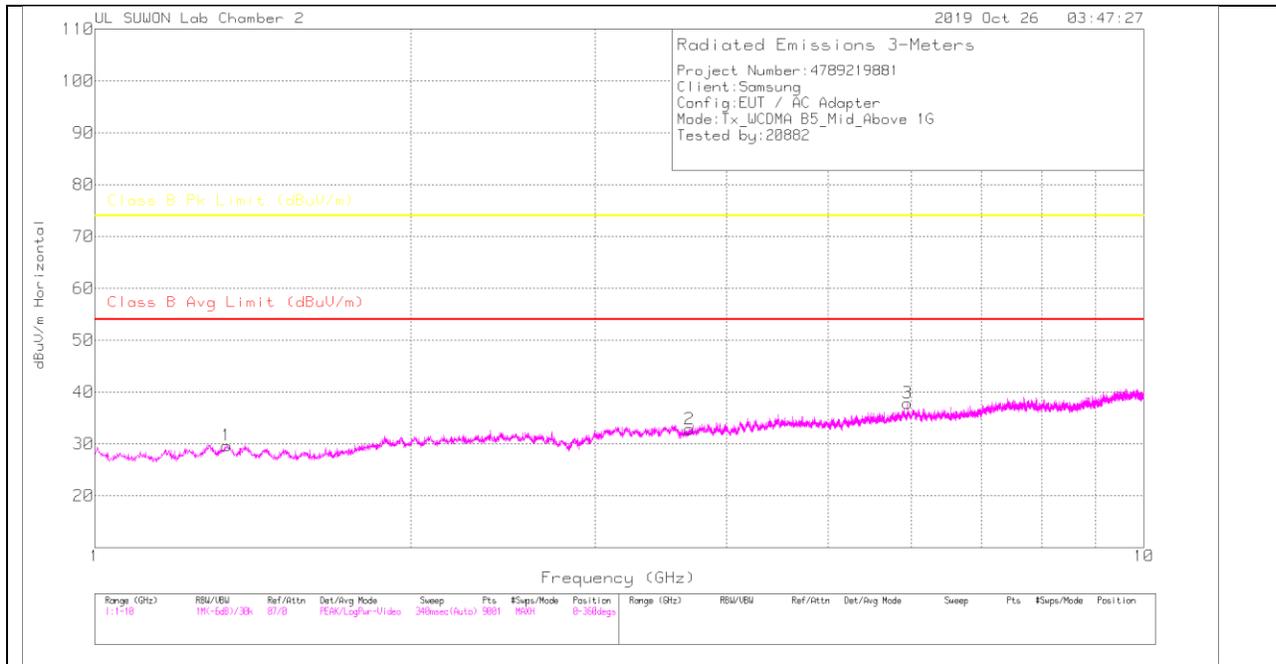
PK – Peak Detector

Note: Unwanted emissions on the harmonic frequency were generated from the call-simulator with the TX and RX signals.

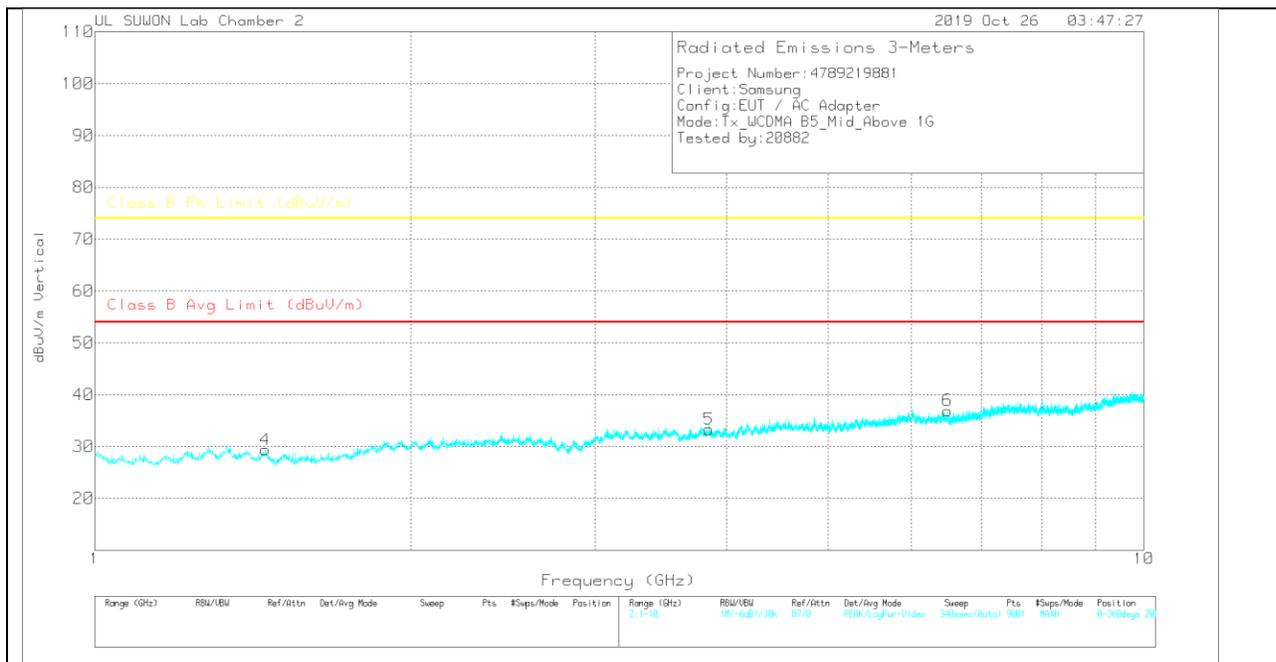
7.2. Above 1 GHz in the WCDMA Band 5

MID CHANNEL(881.6MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	1-18GHz[dB]	1GHz_HPF	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Av(CISPR)Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity	
1	1.336	31	PK		29.7	-31.7	.7	29.7	-	-	74	-44.3	0-360	200	H
2	3.688	29.05	PK		32.9	-29.7	.6	32.85	-	-	74	-41.15	0-360	200	H
3	5.956	29.78	PK		35	-27.4	.5	37.88	-	-	74	-36.12	0-360	100	H
4	1.454	31.28	PK		29	-31.6	.7	29.38	-	-	74	-44.62	0-360	100	V
5	3.849	28.44	PK		33.3	-28.9	.5	33.34	-	-	74	-40.66	0-360	100	V
6	6.498	27.52	PK		35.3	-26.4	.5	36.92	-	-	74	-37.08	0-360	100	V

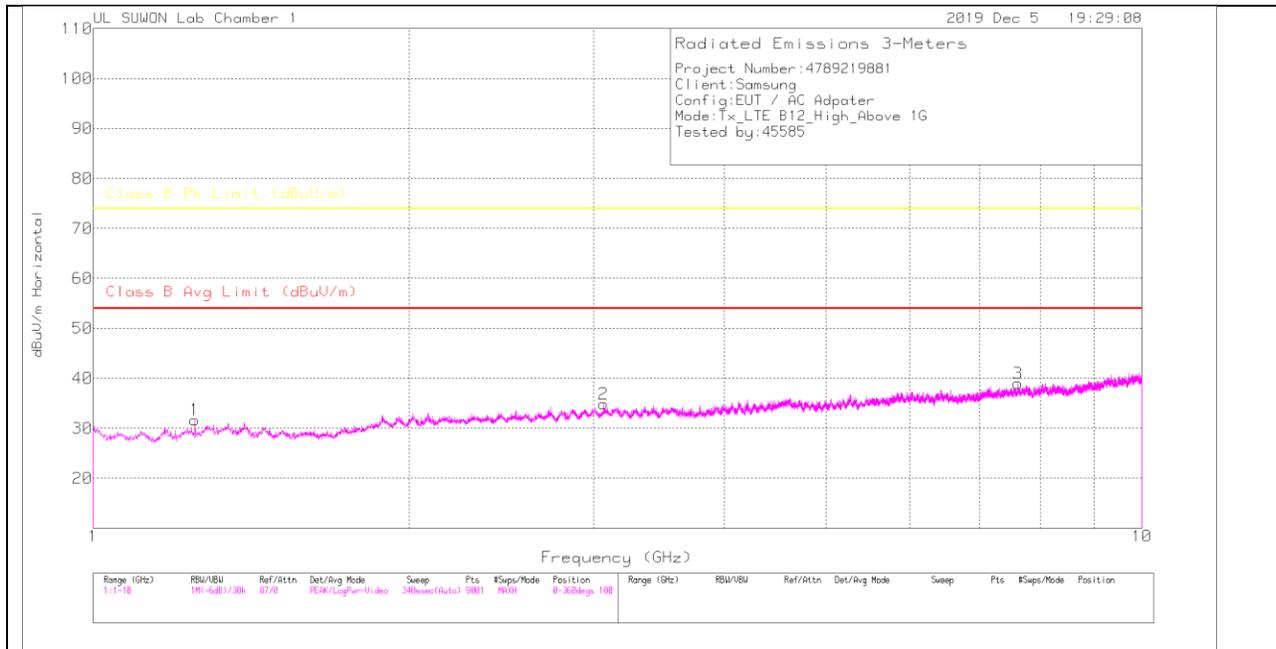
PK – Peak Detector

Note: Unwanted emissions on the harmonic frequency were generated from the call-simulator with the TX and RX signals.

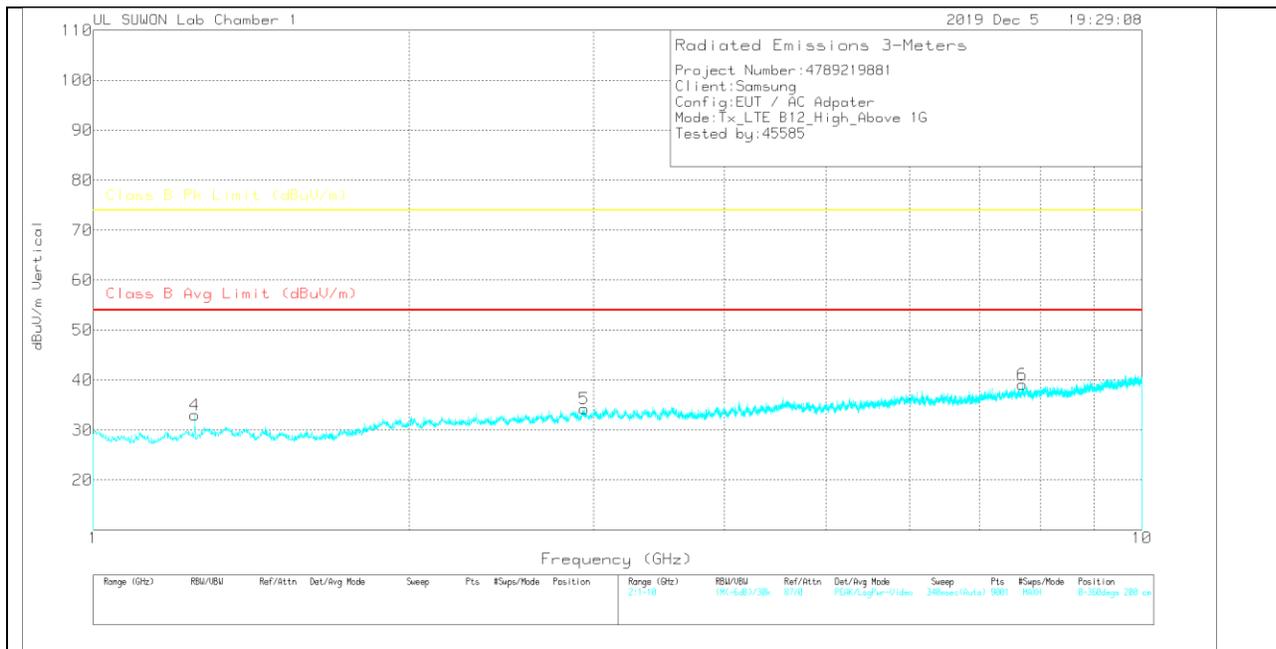
7.3. Above 1 GHz in the LTE Band 12

LOW CHANNEL(730.5MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

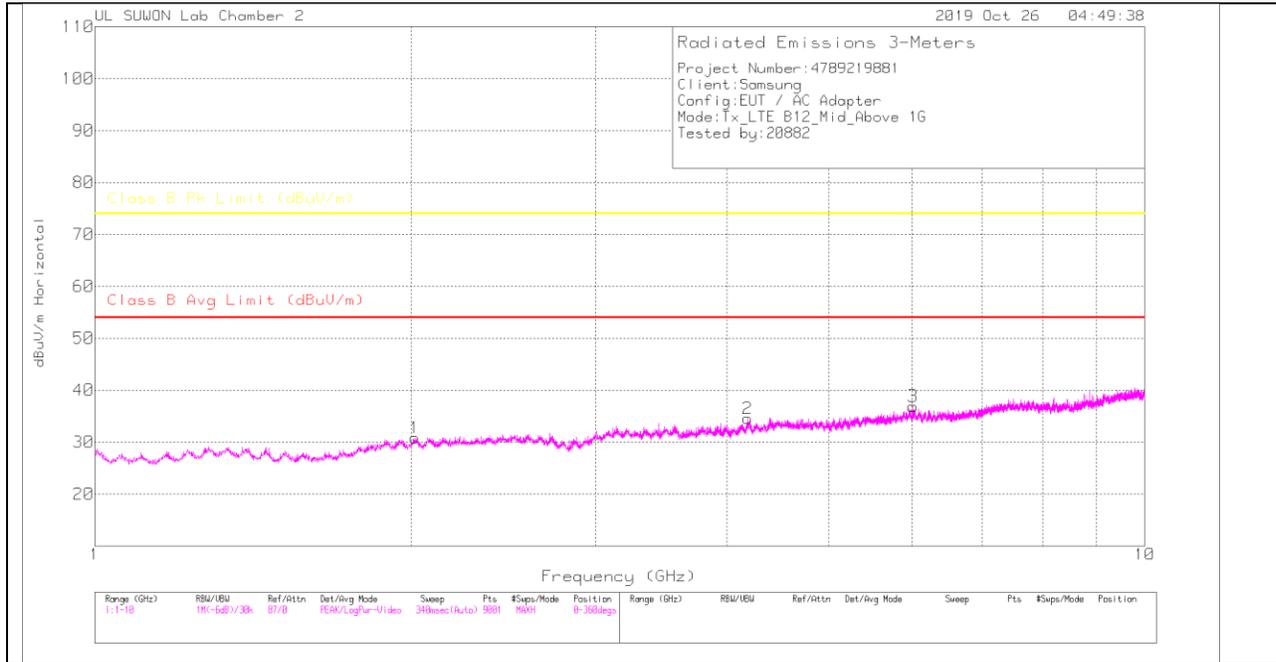
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	1-18GHz[dB]	1GHz_HPF	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Av(CISPR)Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.25	38.8	PK	29.2	-37	.7	31.7	-	-	74	-42.3	0-360	200	H
2	3.066	35.28	PK	32.6	-33.6	.6	34.88	-	-	74	-39.12	0-360	100	H
3	7.621	30.38	PK	35.8	-27.5	.3	38.98	-	-	74	-35.02	0-360	200	H
4	1.25	40.13	PK	29.2	-37	.7	33.03	-	-	74	-40.97	0-360	200	V
5	2.937	35.26	PK	32.4	-34	.6	34.26	-	-	74	-39.74	0-360	200	V
6	7.692	29.89	PK	35.9	-27.2	.5	39.09	-	-	74	-34.91	0-360	200	V

PK – Peak Detector

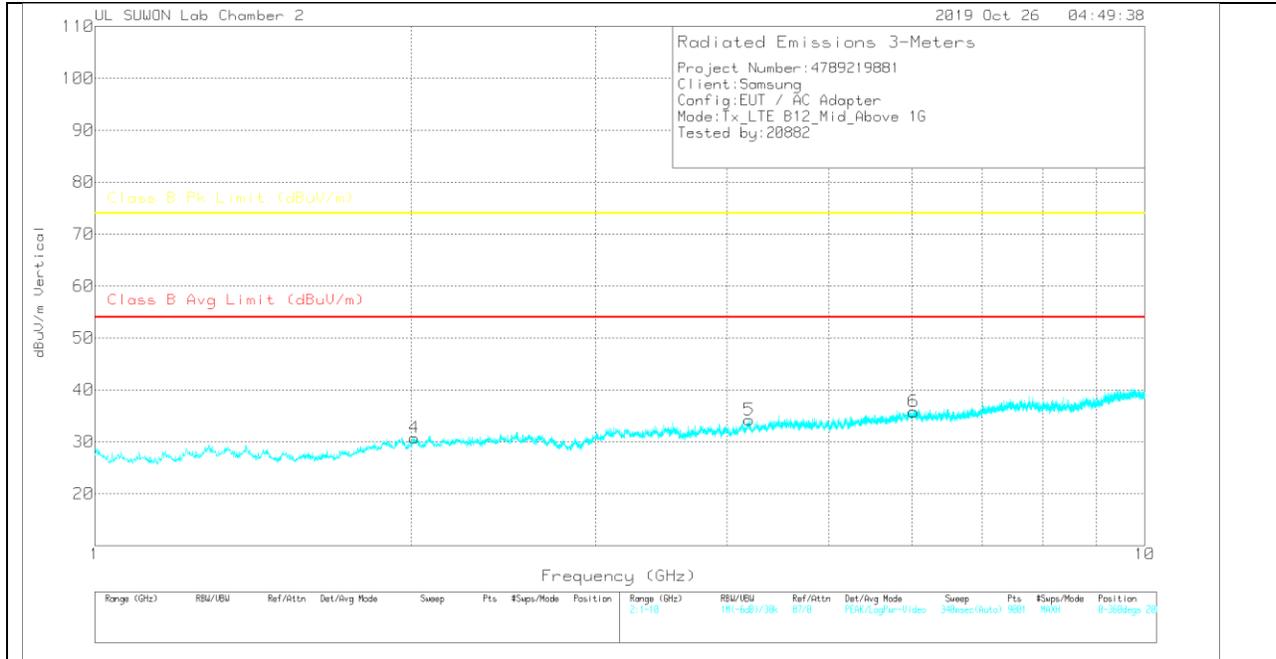
Note: Unwanted emissions on the harmonic frequency were generated from the call-simulator with the TX and RX signals.

MID CHANNEL(737.5MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

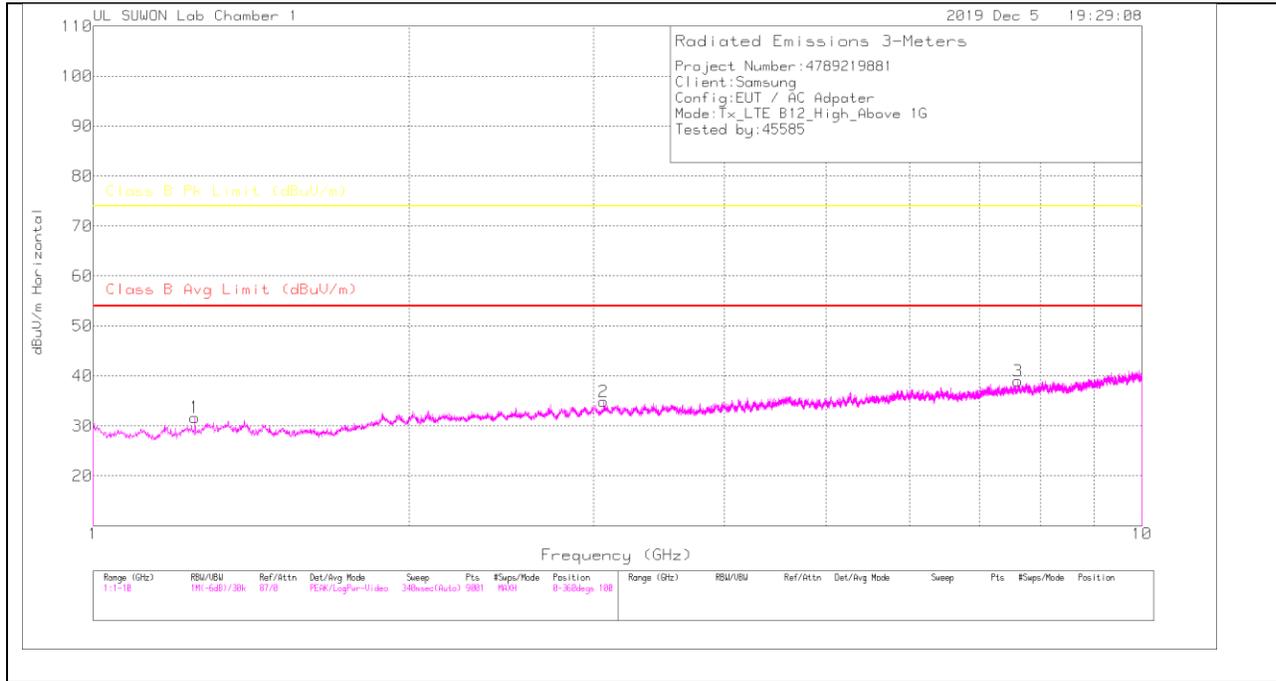
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	1-18GHz[dB]	1GHz_HPF	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Av(CISPR)Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.018	29.93	PK	31.2	-30.9	.6	30.83	-	-	74	-43.17	0-360	200	H
2	4.185	28.77	PK	33.4	-28.1	.5	34.57	-	-	74	-39.43	0-360	100	H
3	6.015	28.69	PK	35	-27.3	.5	36.89	-	-	74	-37.11	0-360	100	H
4	2.015	29.88	PK	31.2	-30.9	.6	30.78	-	-	74	-43.22	0-360	100	V
5	4.199	28.46	PK	33.4	-28.1	.5	34.26	-	-	74	-39.74	0-360	200	V
6	6.023	27.64	PK	35	-27.3	.5	35.84	-	-	74	-38.16	0-360	200	V

PK – Peak Detector

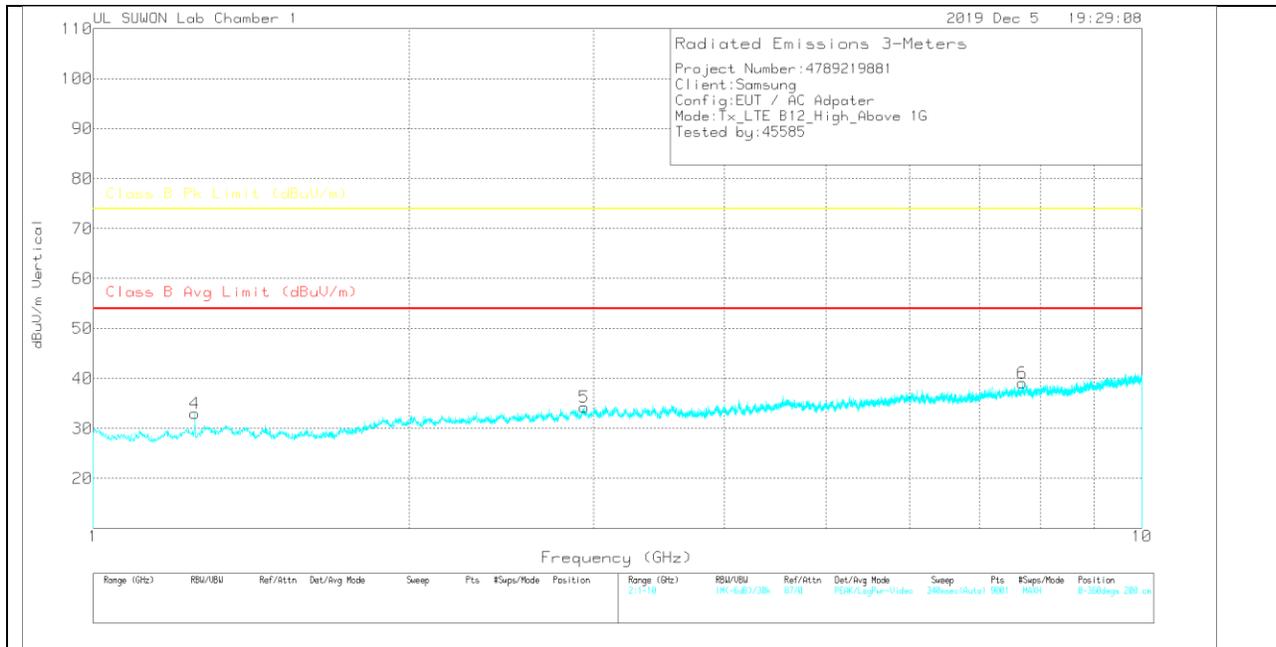
Note: Unwanted emissions on the harmonic frequency were generated from the call-simulator with the TX and RX signals.

HIGH CHANNEL(744.5MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	1-18GHz[dB]	1GHz_HPF	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Av(CISPR)Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity	
1	1.25	38.8	PK		29.2	-37	.7	31.7	-	-	74	-42.3	0-360	200	H
2	3.066	35.28	PK		32.6	-33.6	.6	34.88	-	-	74	-39.12	0-360	100	H
3	7.621	30.38	PK		35.8	-27.5	.3	38.98	-	-	74	-35.02	0-360	200	H
4	1.25	40.13	PK		29.2	-37	.7	33.03	-	-	74	-40.97	0-360	200	V
5	2.937	35.26	PK		32.4	-34	.6	34.26	-	-	74	-39.74	0-360	200	V
6	7.692	29.89	PK		35.9	-27.2	.5	39.09	-	-	74	-34.91	0-360	200	V

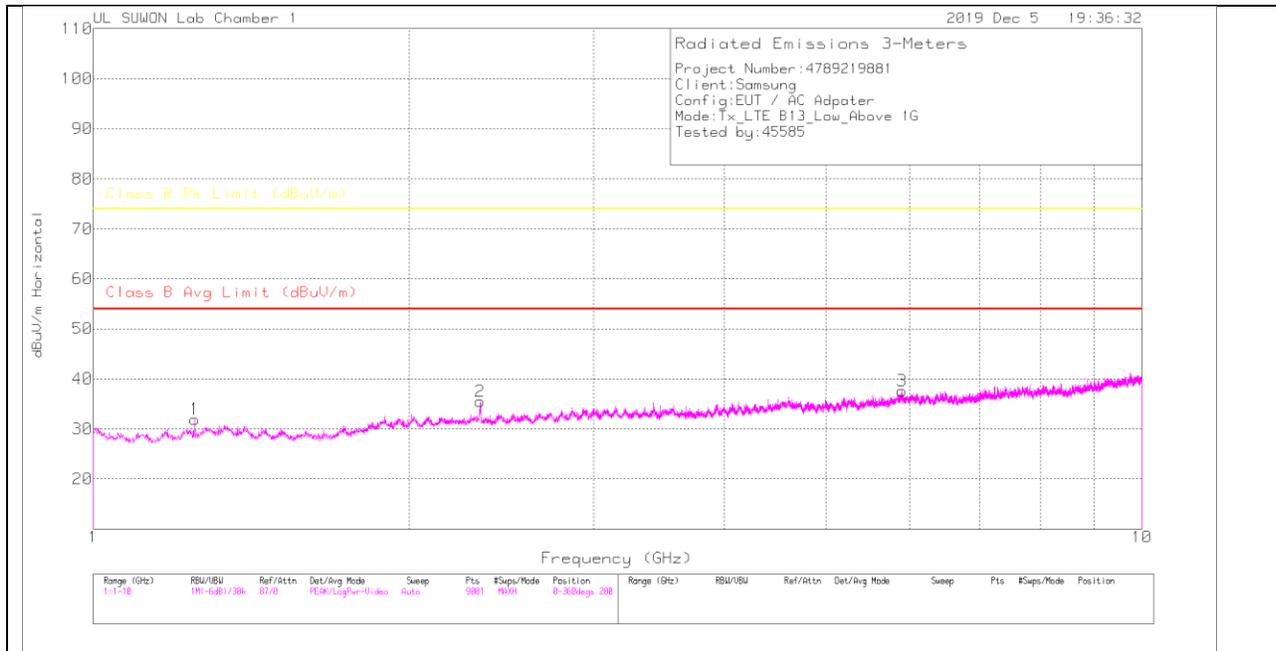
PK – Peak Detector

Note: Unwanted emissions on the harmonic frequency were generated from the call-simulator with the TX and RX signals.

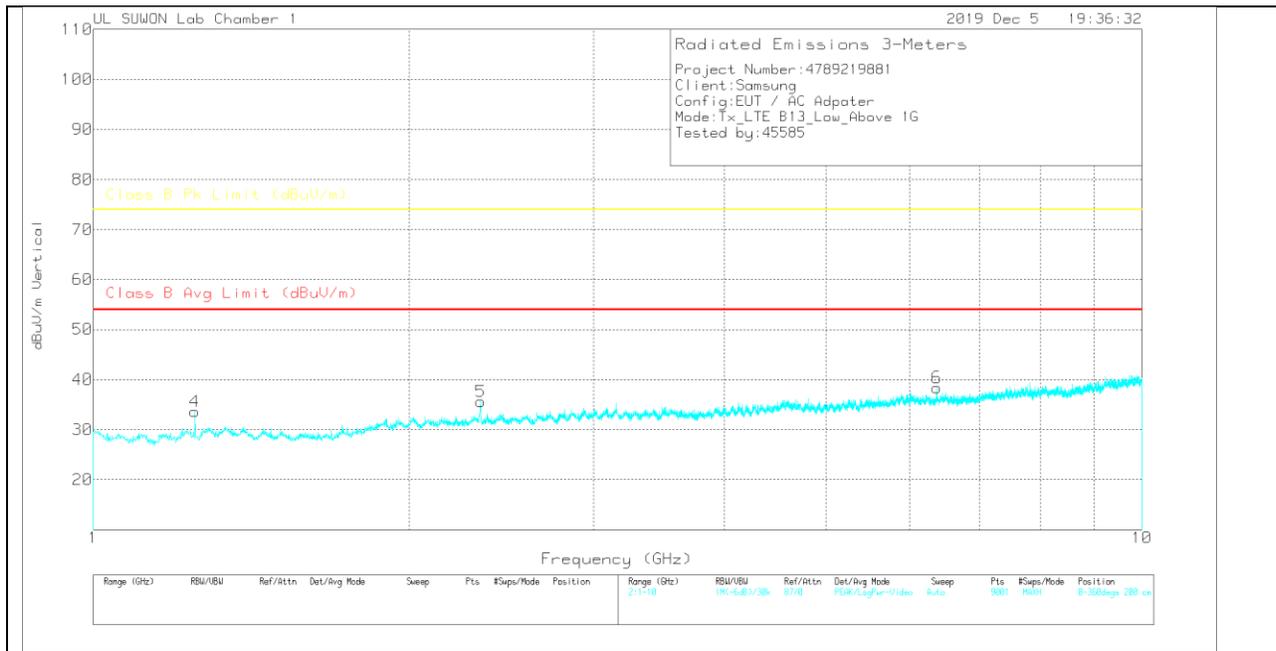
7.4. Above 1 GHz in the LTE Band 13

LOW CHANNEL(748.5MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

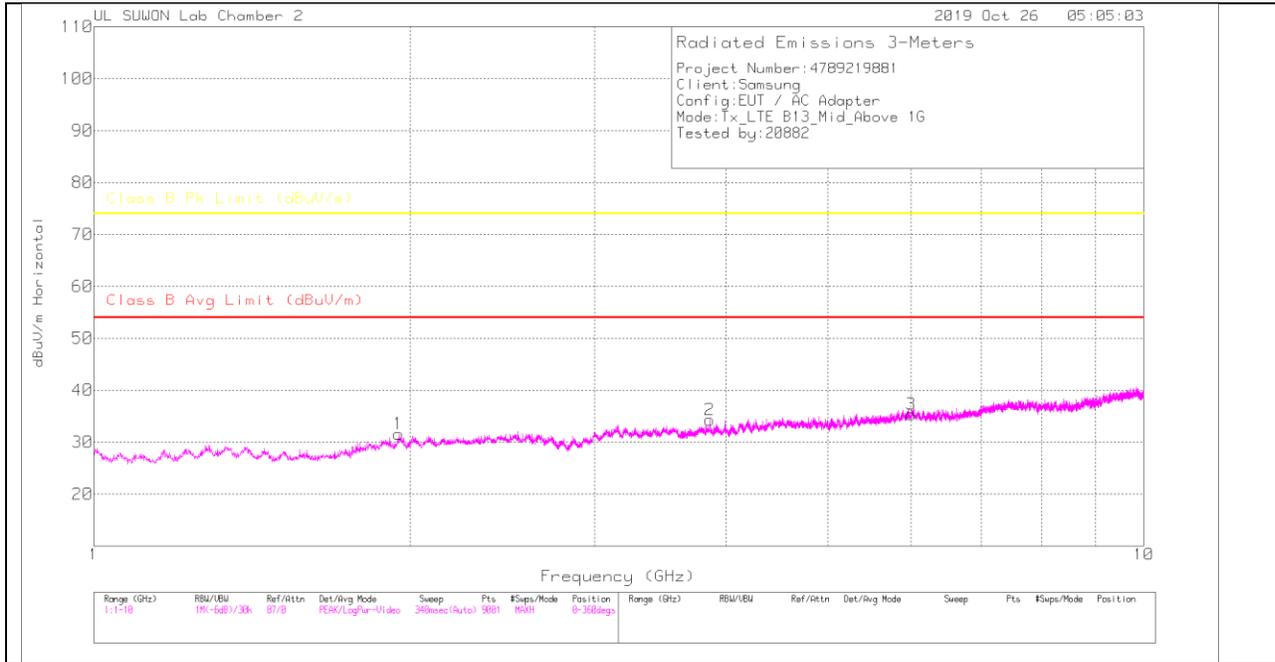
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	1-18GHz[dB]	1GHz_HPF	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Av(CISPR)Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.25	39.05	PK	29.2	-37	.7	31.95	-	-	74	-42.05	0-360	200	H
2	2.339	38.39	PK	31.5	-35	.6	35.49	-	-	74	-38.51	0-360	200	H
3	5.908	32.76	PK	35	-30.5	.4	37.66	-	-	74	-36.34	0-360	200	H
4	1.25	40.7	PK	29.2	-37	.7	33.6	-	-	74	-40.4	0-360	200	V
5	2.341	38.59	PK	31.5	-35.1	.6	35.59	-	-	74	-38.41	0-360	100	V
6	6.371	32.43	PK	35.3	-29.8	.5	38.43	-	-	74	-35.57	0-360	100	V

PK – Peak Detector

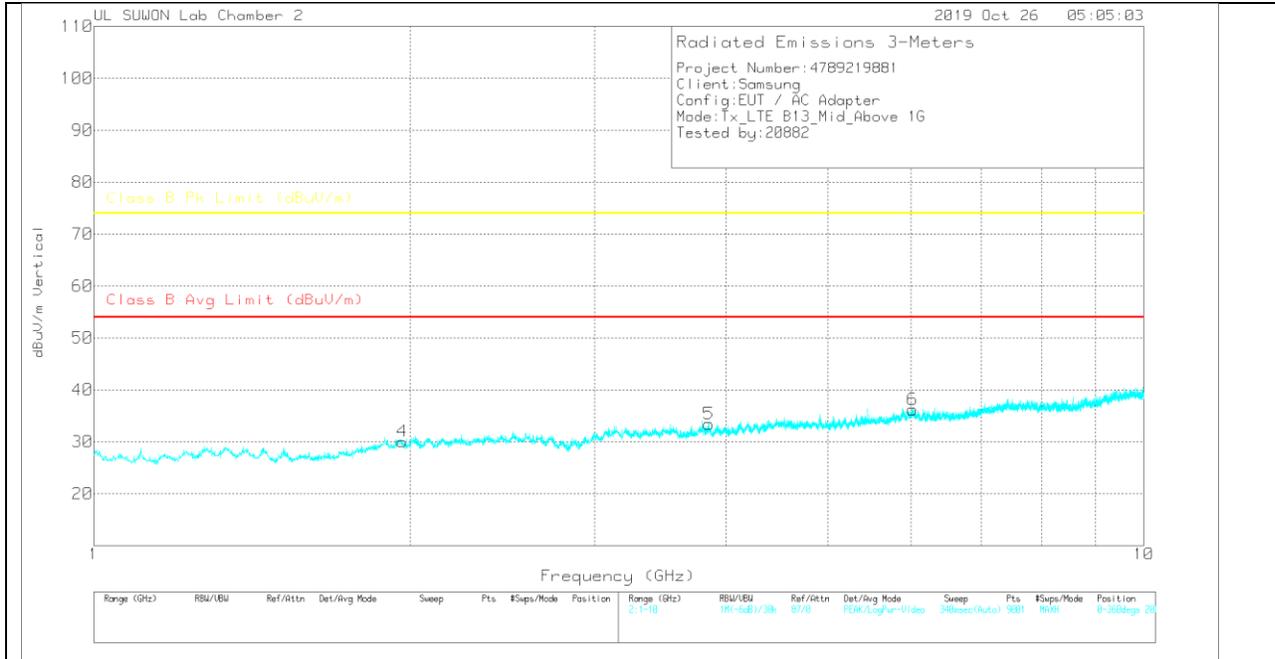
Note: Unwanted emissions on the harmonic frequency were generated from the call-simulator with the TX and RX signals.

MID CHANNEL(751.0MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

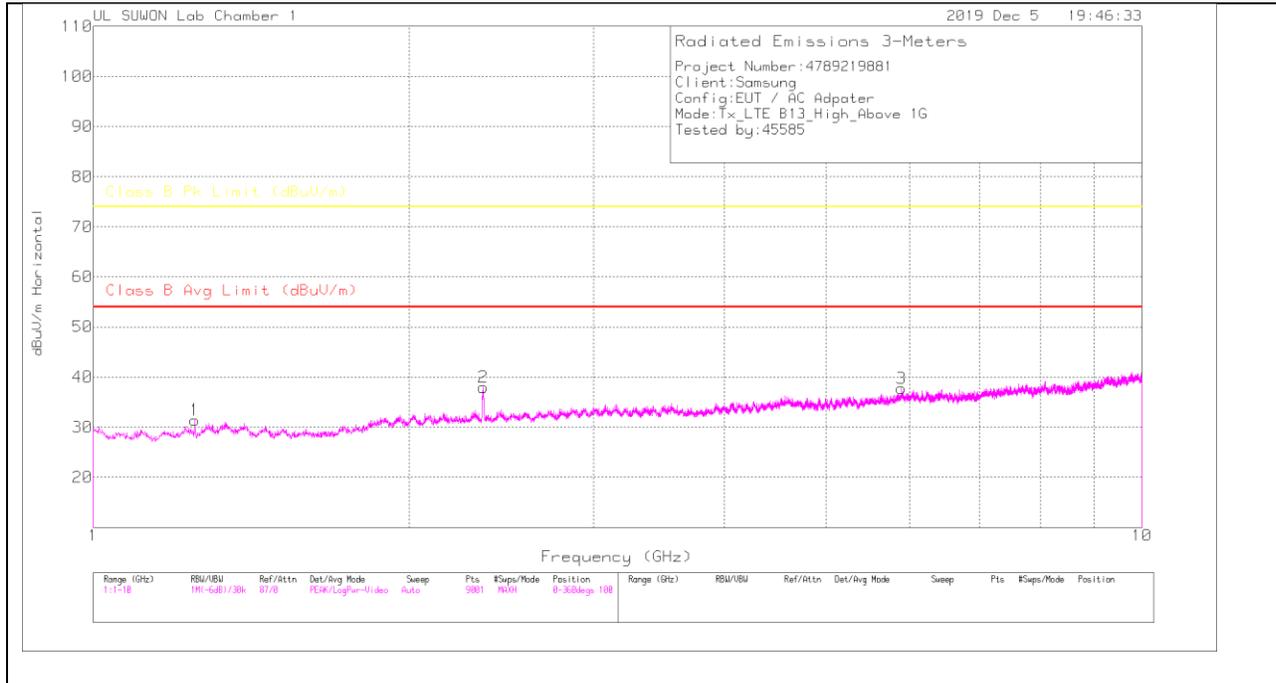
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	1-18GHz[dB]	1GHz_HPF	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Av(CISPR)Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.951	30.81	PK	31.1	-30.9	.6	31.61	-	-	74	-42.39	0-360	100	H
2	3.86	29.49	PK	33.3	-29	.5	34.29	-	-	74	-39.71	0-360	200	H
3	6.003	27.28	PK	35	-27.4	.5	35.38	-	-	74	-38.62	0-360	100	H
4	1.967	29.26	PK	31.1	-30.9	.6	30.06	-	-	74	-43.94	0-360	100	V
5	3.852	28.54	PK	33.3	-28.9	.5	33.44	-	-	74	-40.56	0-360	200	V
6	6.024	28.03	PK	35	-27.3	.5	36.23	-	-	74	-37.77	0-360	200	V

PK – Peak Detector

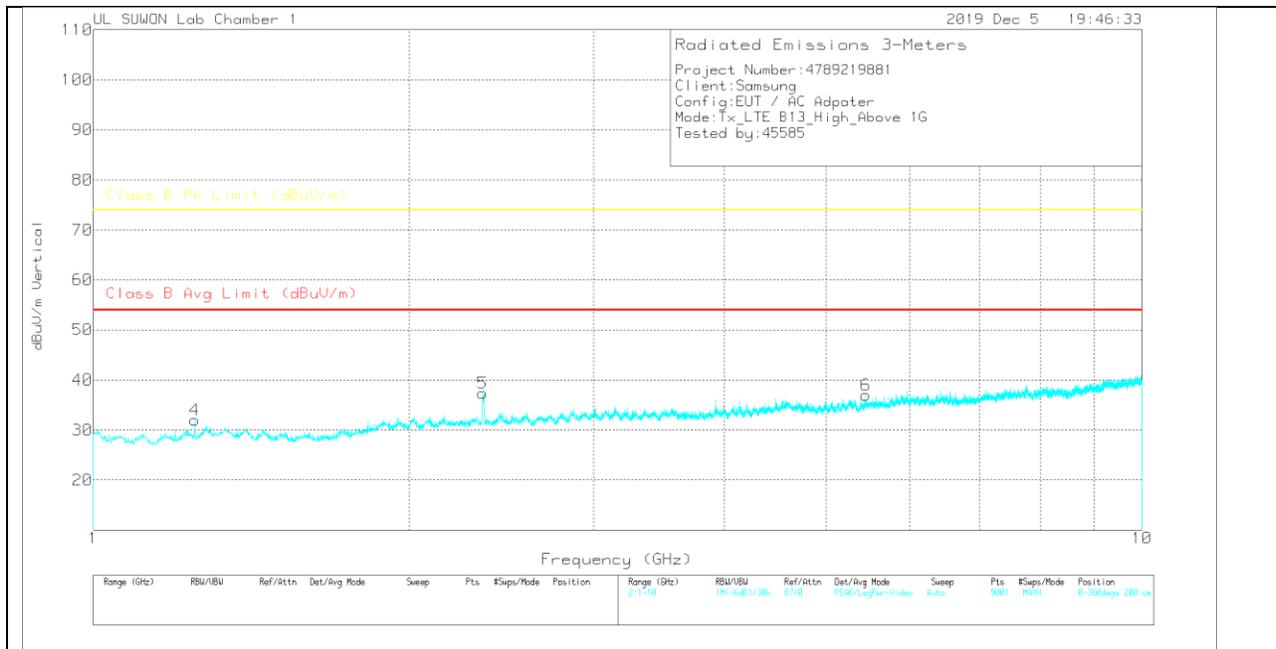
Note: Unwanted emissions on the harmonic frequency were generated from the call-simulator with the TX and RX signals.

HIGH CHANNEL(753.5MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	1-18GHz[dB]	1GHz_HPF	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Av(CISPR)Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.25	38.55	PK	29.2	-37	.7	31.45	-	-	74	-42.55	0-360	200	H
2	2.354	40.94	PK	31.6	-35.1	.5	37.94	-	-	74	-36.06	0-360	200	H
3	5.896	32.9	PK	35	-30.6	.5	37.8	-	-	74	-36.2	0-360	200	H
4	1.25	39.09	PK	29.2	-37	.7	31.99	-	-	74	-42.01	0-360	200	V
5	2.352	40.34	PK	31.6	-35.1	.5	37.34	-	-	74	-36.66	0-360	100	V
6	5.451	33.1	PK	34.7	-31.2	.4	37	-	-	74	-37	0-360	200	V

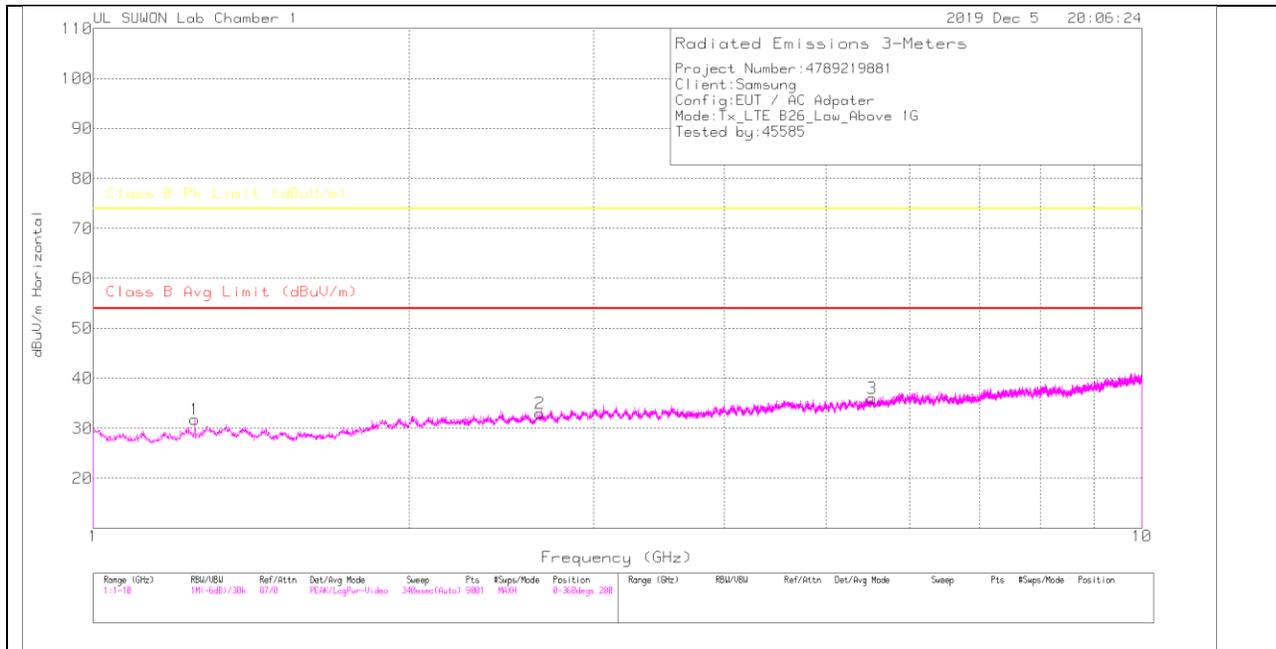
PK – Peak Detector

Note: Unwanted emissions on the harmonic frequency were generated from the call-simulator with the TX and RX signals.

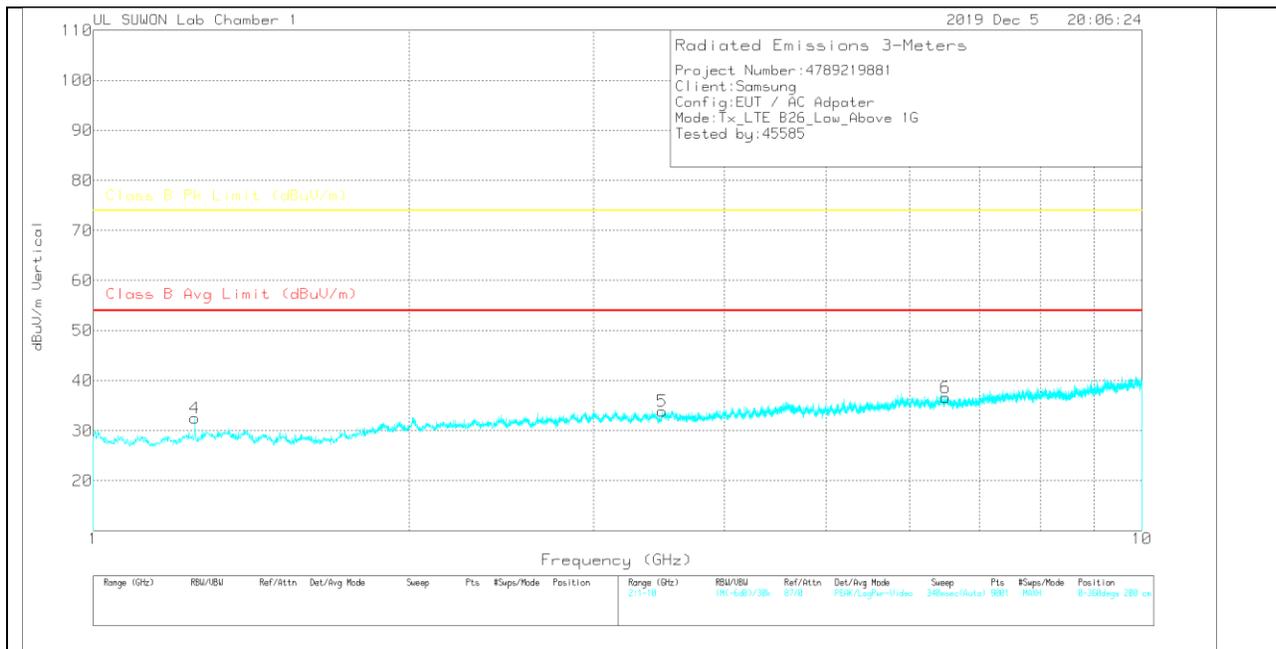
7.5. Above 1 GHz in the LTE Band 26

LOW CHANNEL(860.5MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

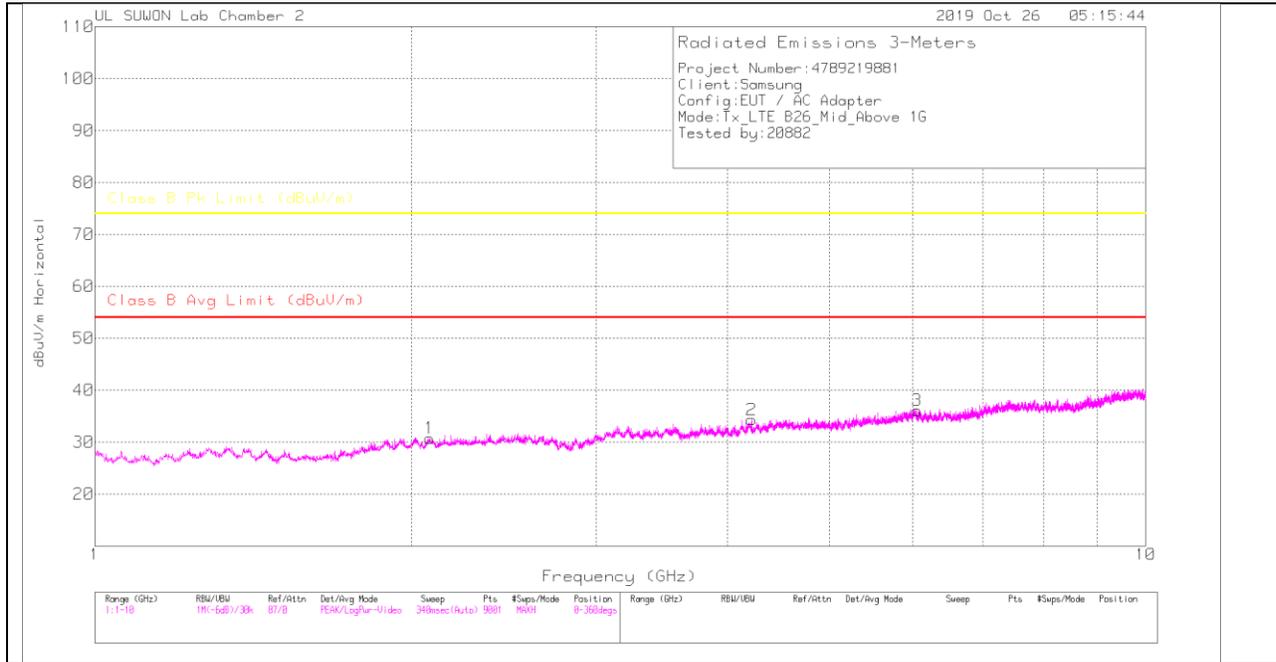
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	1-18GHz[dB]	1GHz_HPF	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Av(CISPR)Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity	
1	1.25	38.81	PK		29.2	-37	.7	31.71	-	-	74	-42.29	0-360	200	H
2	2.665	34.59	PK		32.1	-34.4	.7	32.99	-	-	74	-41.01	0-360	100	H
3	5.527	31.69	PK		34.7	-30.9	.5	35.99	-	-	74	-38.01	0-360	200	H
4	1.25	39.6	PK		29.2	-37	.7	32.5	-	-	74	-41.5	0-360	200	V
5	3.485	33.75	PK		32.8	-33.2	.5	33.85	-	-	74	-40.15	0-360	200	V
6	6.498	30.08	PK		35.4	-29.3	.4	36.58	-	-	74	-37.42	0-360	200	V

PK – Peak Detector

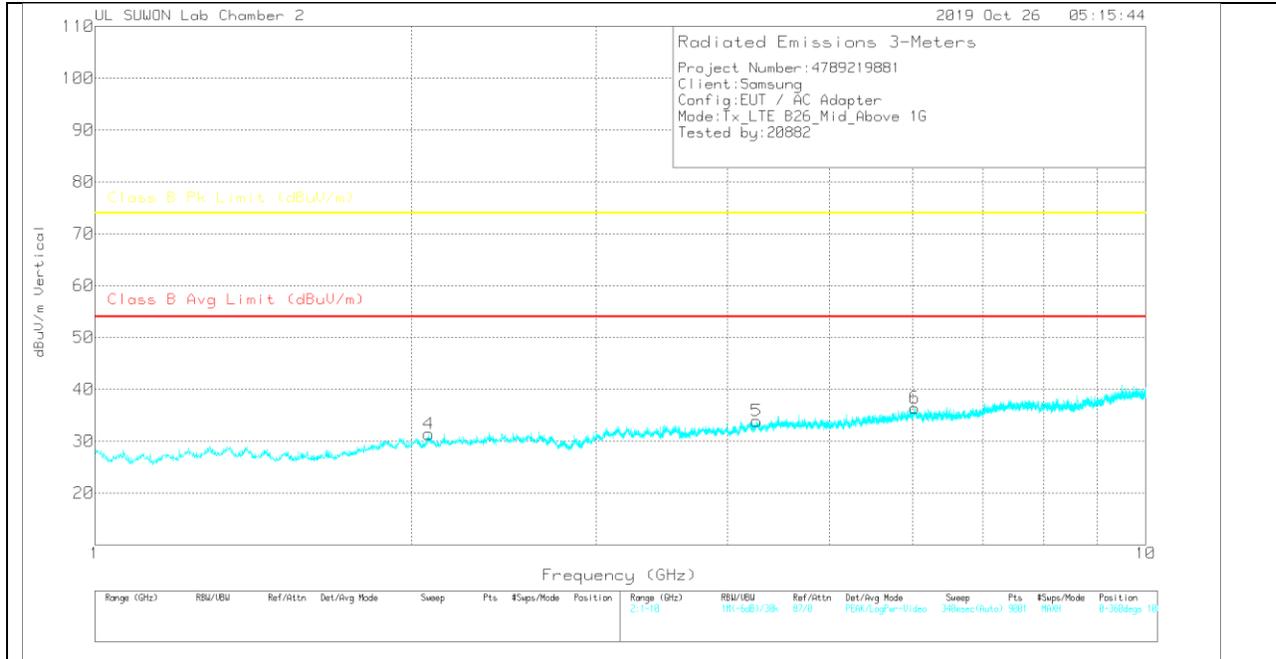
Note: Unwanted emissions on the harmonic frequency were generated from the call-simulator with the TX and RX signals.

MID CHANNEL(876.5MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

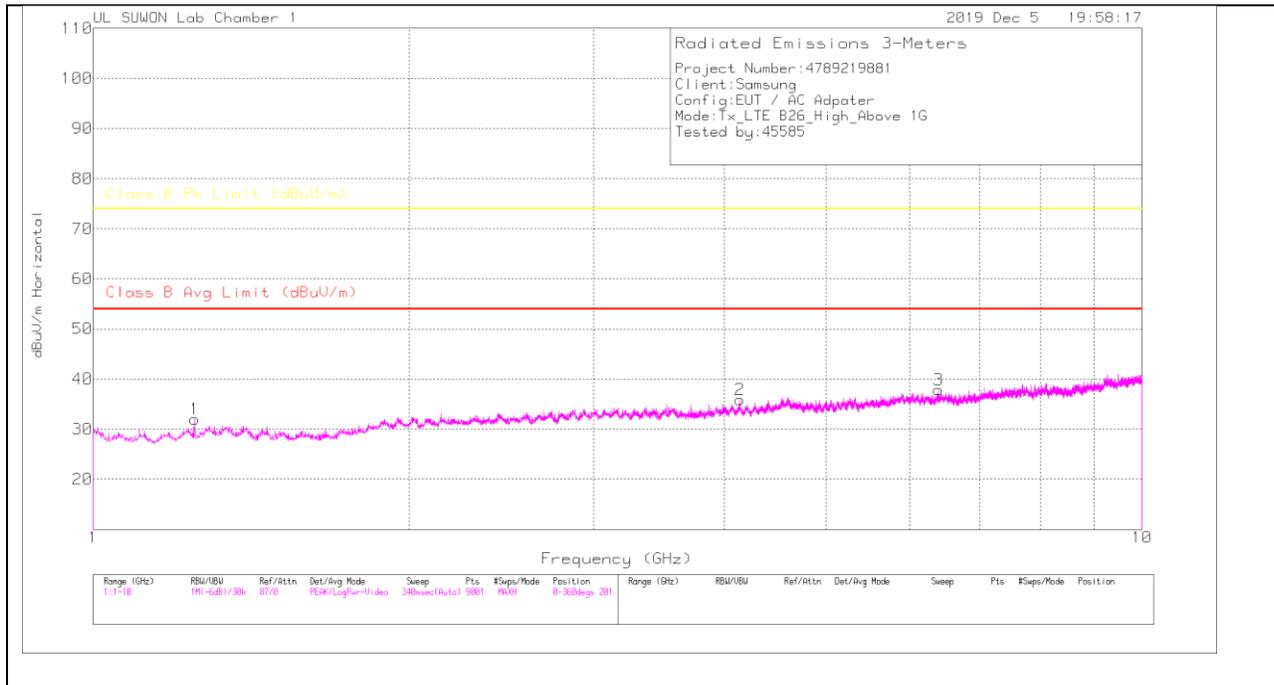
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	1-18GHz[dB]	1GHz_HPF	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Av(CISPR)Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.083	29.56	PK	31.3	-30.7	.6	30.76	-	-	74	-43.24	0-360	200	H
2	4.217	28.62	PK	33.4	-28.2	.5	34.32	-	-	74	-39.68	0-360	100	H
3	6.06	27.79	PK	35.1	-27.3	.5	36.09	-	-	74	-37.91	0-360	200	H
4	2.078	30.2	PK	31.3	-30.7	.6	31.4	-	-	74	-42.6	0-360	100	V
5	4.263	28.52	PK	33.5	-28.6	.5	33.92	-	-	74	-40.08	0-360	200	V
6	6.028	28.22	PK	35	-27.3	.5	36.42	-	-	74	-37.58	0-360	100	V

PK – Peak Detector

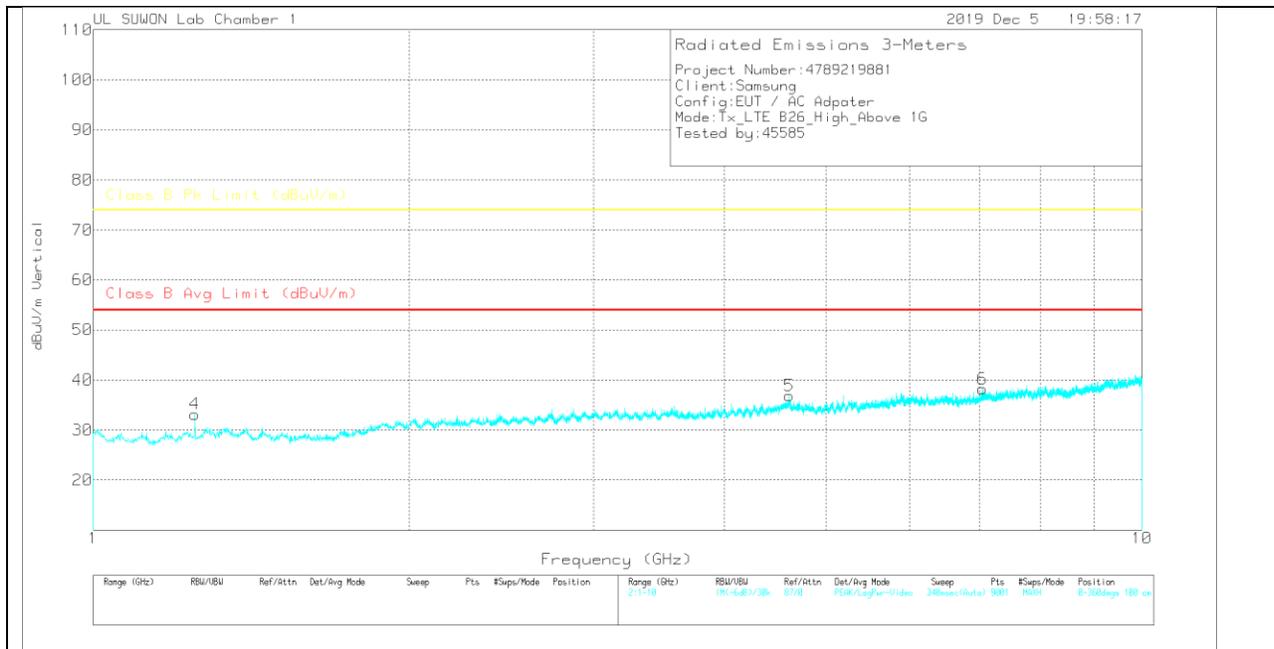
Note: Unwanted emissions on the harmonic frequency were generated from the call-simulator with the TX and RX signals.

HIGH CHANNEL(892.5MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168717	1-18GHz[dB]	1GHz_HPF	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Av(CISPR)Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.249	39.06	PK	29.2	-37	.7	31.96	-	-	74	-42.04	0-360	201	H
2	4.135	34.3	PK	33.6	-32.4	.4	35.9	-	-	74	-38.1	0-360	201	H
3	6.397	31.87	PK	35.3	-29.8	.5	37.87	-	-	74	-36.13	0-360	100	H
4	1.25	40.3	PK	29.2	-37	.7	33.2	-	-	74	-40.8	0-360	201	V
5	4.612	34.17	PK	34.2	-31.9	.4	36.87	-	-	74	-37.13	0-360	201	V
6	7.044	30.61	PK	35.7	-28.5	.4	38.21	-	-	74	-35.79	0-360	201	V

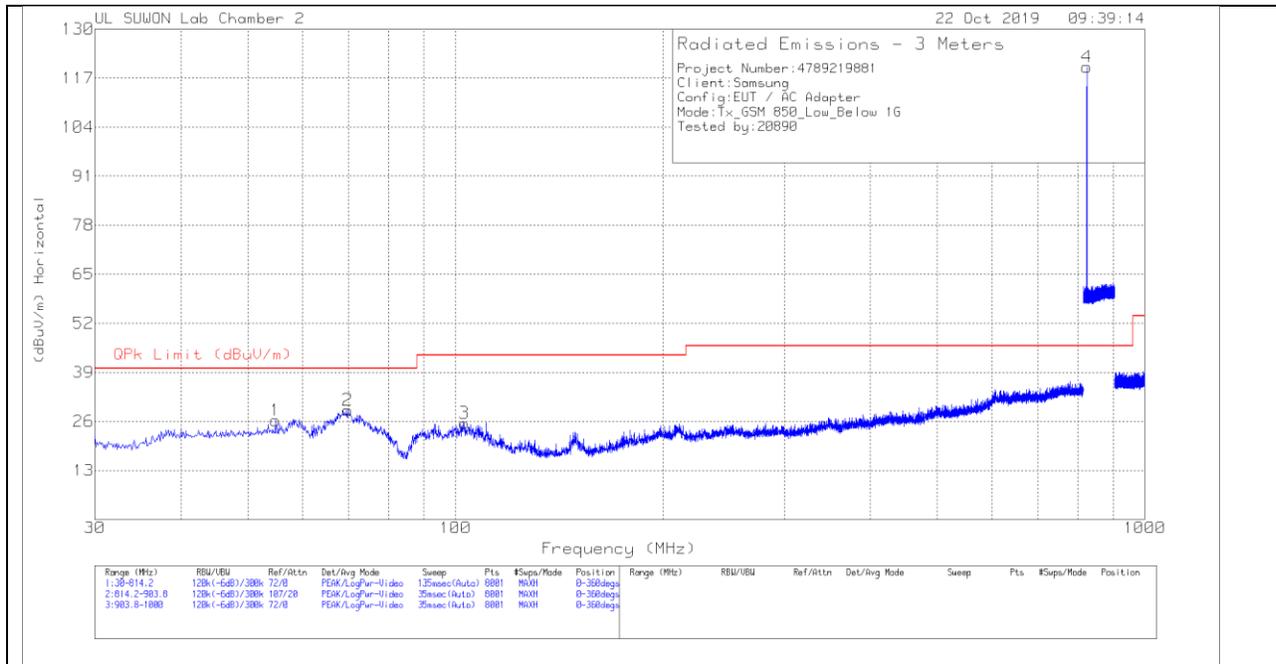
PK – Peak Detector

Note: Unwanted emissions on the harmonic frequency were generated from the call-simulator with the TX and RX signals.

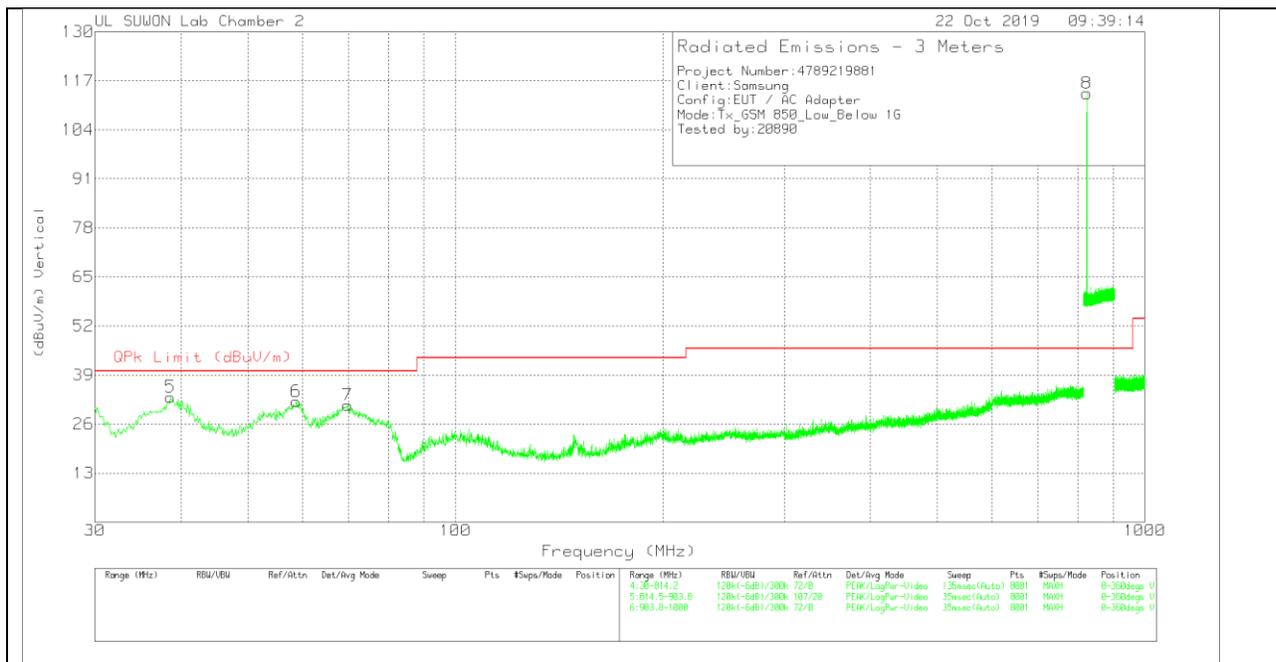
7.6. Below 1 GHz in the GSM850

LOW CHANNEL(869.2MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

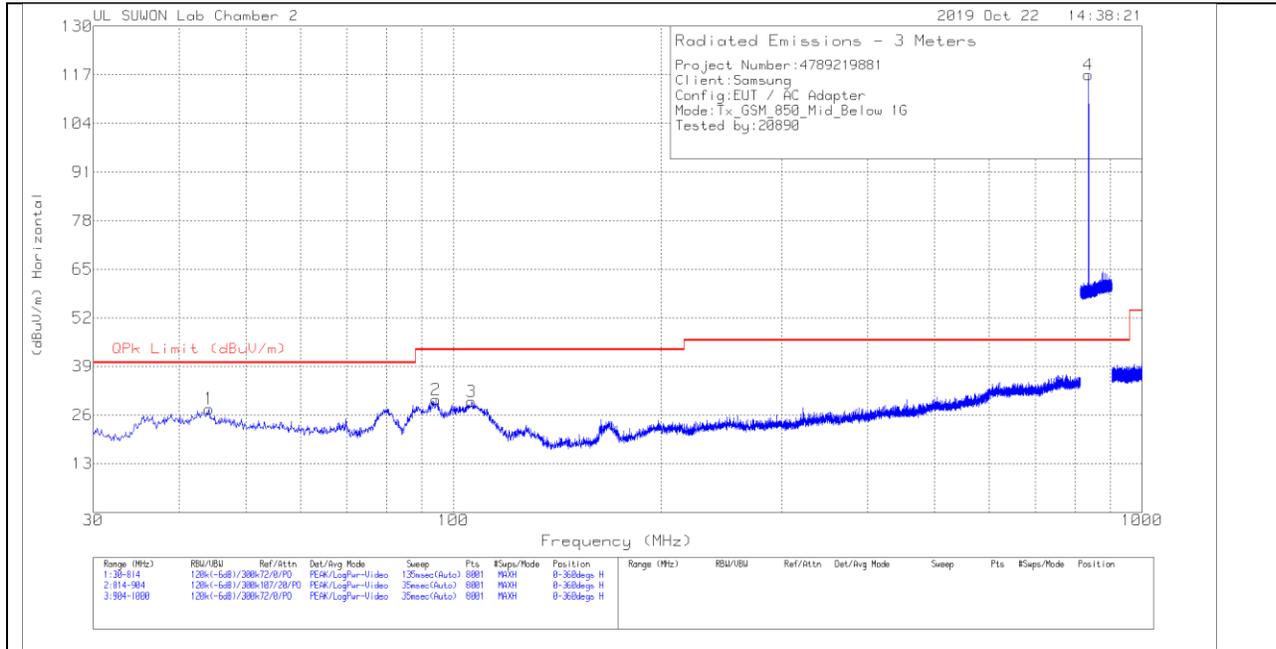
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_750	Bypass_Below_1 G[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	54.8003	6.07	Pk	19.4	.8	26.27	40	-13.73	0-360	400	H
2	69.7982	12.49	Pk	15.6	.9	28.99	40	-11.01	0-360	200	H
3	103.1267	6.74	Pk	17.7	1.1	25.54	43.52	-17.98	0-360	300	H
4	824.1456	89.97	Pk	26.9	3.1	119.97	46.02	73.95	0-360	100	H
5	38.6262	14.26	Pk	18.2	.7	33.16	40	-6.84	0-360	100	V
6	58.7213	12.51	Pk	18.7	.8	32.01	40	-7.99	0-360	100	V
7	69.7982	14.53	Pk	15.6	.9	31.03	40	-8.97	0-360	200	V
8	824.156	83.7	Pk	26.9	3.1	113.7	46.02	67.68	0-360	200	V

Pk - Peak detector

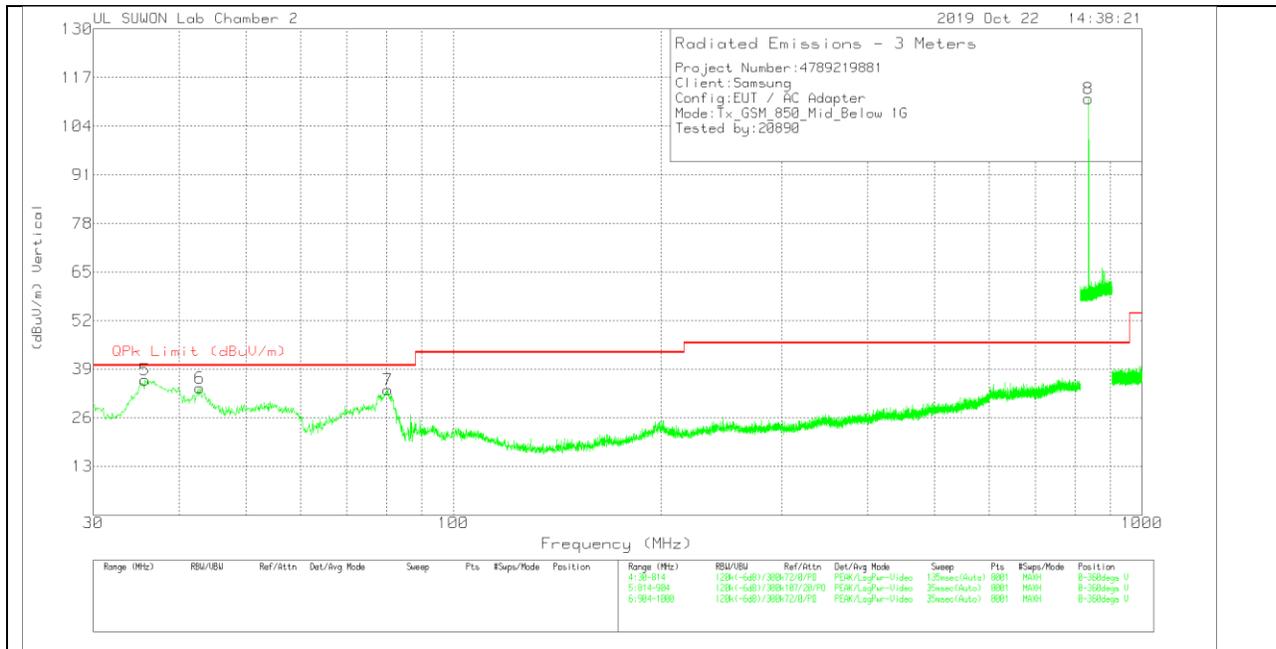
Note: Unwanted emissions captured from 824MHz to 849MHz and from 869MHz to 894MHz were the TX and RX signals generated from the call-simulator.

MID CHANNEL(881.6MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_750	Bypass_Below_1 G[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	44.21	7.21	Pk	19.7	.8	27.71	40	-12.29	0-360	300	H
2	94.288	12	Pk	17	1.1	30.1	43.52	-13.42	0-360	300	H
3	106.342	10.88	Pk	17.5	1.2	29.58	43.52	-13.94	0-360	300	H
4	836.6013	86.6	Pk	27.1	3.3	117	46.02	70.98	0-360	200	H
5	35.684	18.41	Pk	17	.7	36.11	40	-3.89	0-360	100	V
6	42.838	13.83	Pk	19.4	.7	33.93	40	-6.07	0-360	100	V
7	80.372	19.82	Pk	12.6	1	33.42	40	-6.58	0-360	100	V
8	836.6631	80.98	Pk	27.1	3.3	111.38	46.02	65.36	0-360	200	V

Pk - Peak detector

Radiated Emissions

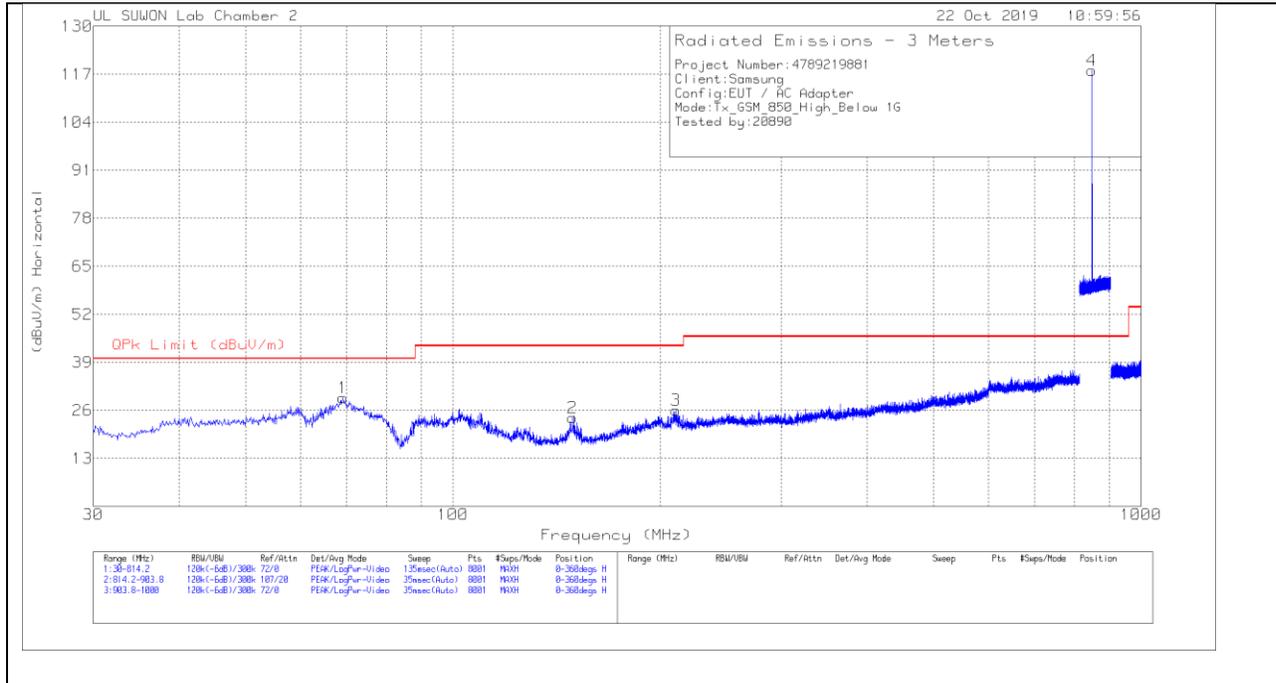
Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_749	Below_1G_Bypass[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
35.684	12.96	Qp	17	.7	30.66	40	-9.34	101	148	V

Qp - Quasi-Peak detector

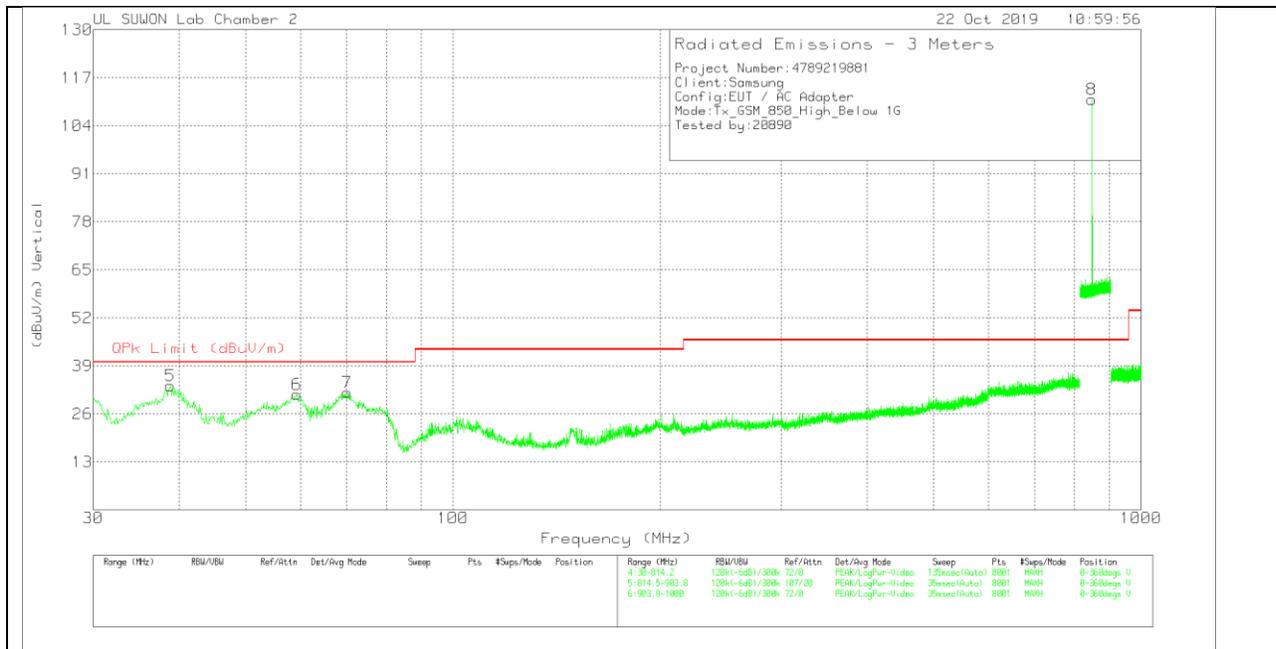
Note: Unwanted emissions captured from 824MHz to 849MHz and from 869MHz to 894MHz were the TX and RX signals generated from the call-simulator.

HIGH CHANNEL(893.8MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_750	Bypass_Below_1 G[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	69.21	12.77	Pk	15.8	.9	29.47	40	-10.53	0-360	200	H
2	149.2964	8.82	Pk	14	1.3	24.12	43.52	-19.4	0-360	200	H
3	210.8561	7.51	Pk	17	1.6	26.11	43.52	-17.41	0-360	100	H
4	848.7744	87.47	Pk	27.4	3.2	118.07	46.02	72.05	0-360	100	H
5	38.8223	14.64	Pk	18.3	.7	33.64	40	-6.36	0-360	100	V
6	59.3095	11.84	Pk	18.6	.8	31.24	40	-8.76	0-360	100	V
7	70.1903	15.52	Pk	15.4	.9	31.82	40	-8.18	0-360	200	V
8	848.7816	80.53	Pk	27.4	3.2	111.13	46.02	65.11	0-360	100	V

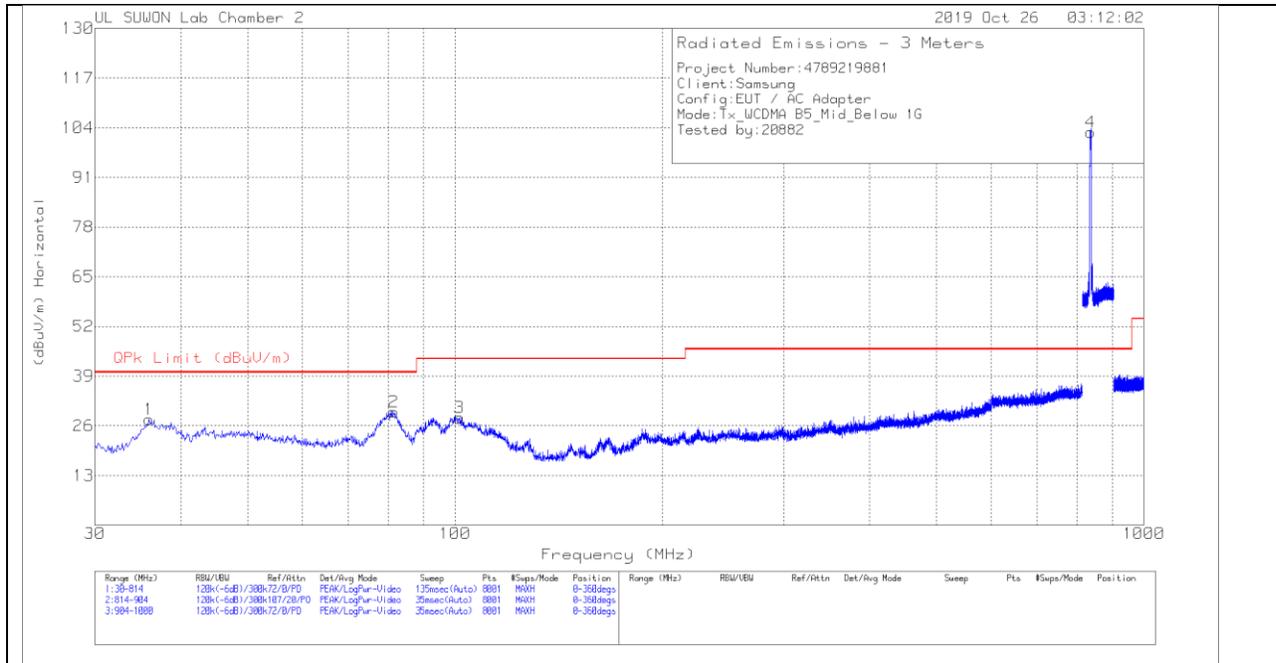
Pk - Peak detector

Note: Unwanted emissions captured from 824MHz to 849MHz and from 869MHz to 894MHz were the TX and RX signals generated from the call-simulator.

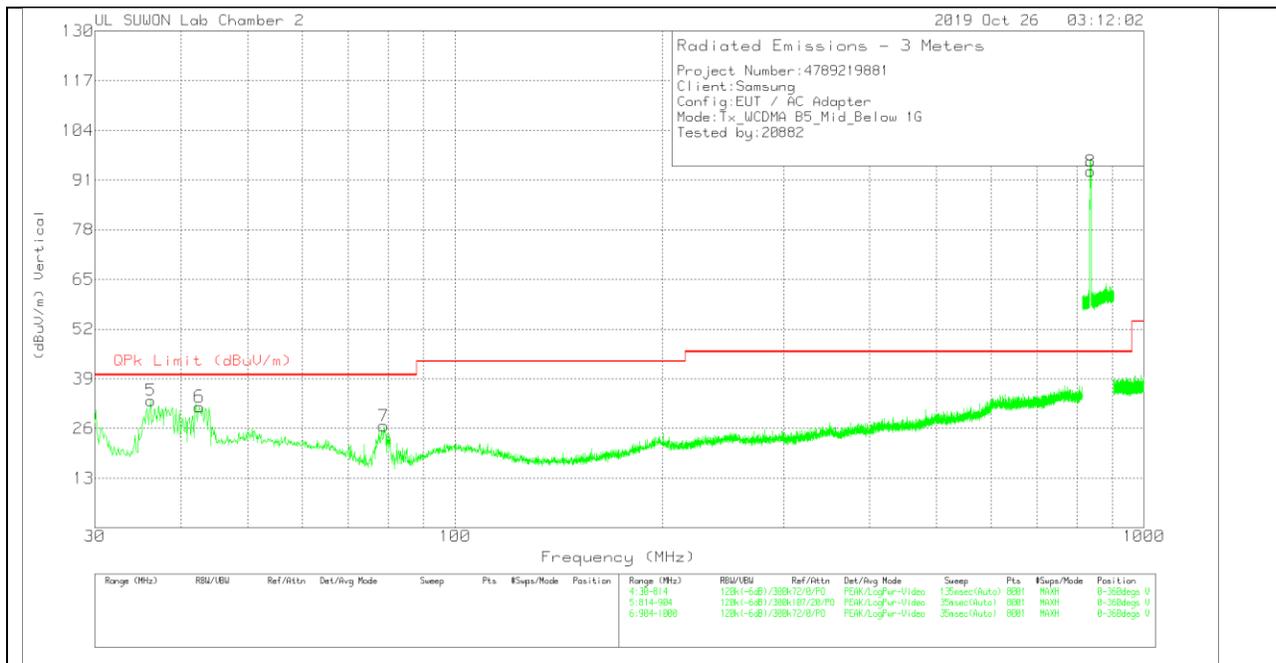
7.7. Below 1 GHz in the WCDMA Band 5

MID CHANNEL(881.6MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_749	Bypass_Below_1G[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	35.978	9.88	Pk	17.1	.7	27.68	40	-12.32	0-360	200	H
2	81.45	15.91	Pk	12.7	1	29.61	40	-10.39	0-360	200	H
3	101.442	9.31	Pk	17.7	1.1	28.11	43.52	-15.41	0-360	300	H
4	836.7363	72.38	Pk	27.1	3.3	102.78	46.02	56.76	0-360	100	H
5	36.174	15.42	Pk	17.2	.7	33.32	40	-6.68	0-360	100	V
6	42.544	11.67	Pk	19.3	.7	31.67	40	-8.33	0-360	200	V
7	78.804	13.1	Pk	12.6	1	26.7	40	-13.3	0-360	100	V
8	836.6688	62.88	Pk	27.1	3.3	93.28	46.02	47.26	0-360	200	V

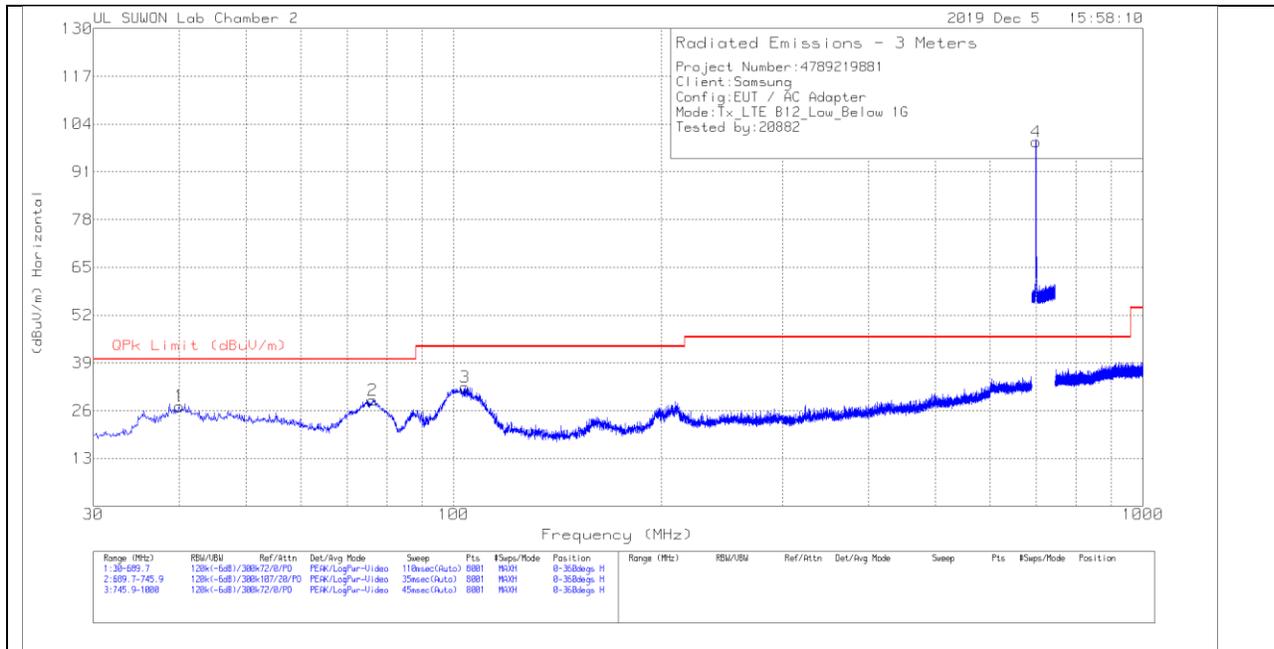
Pk - Peak detector

Note: Unwanted emissions captured from 824MHz to 849MHz and from 869MHz to 894MHz were the TX and RX signals generated from the call-simulator.

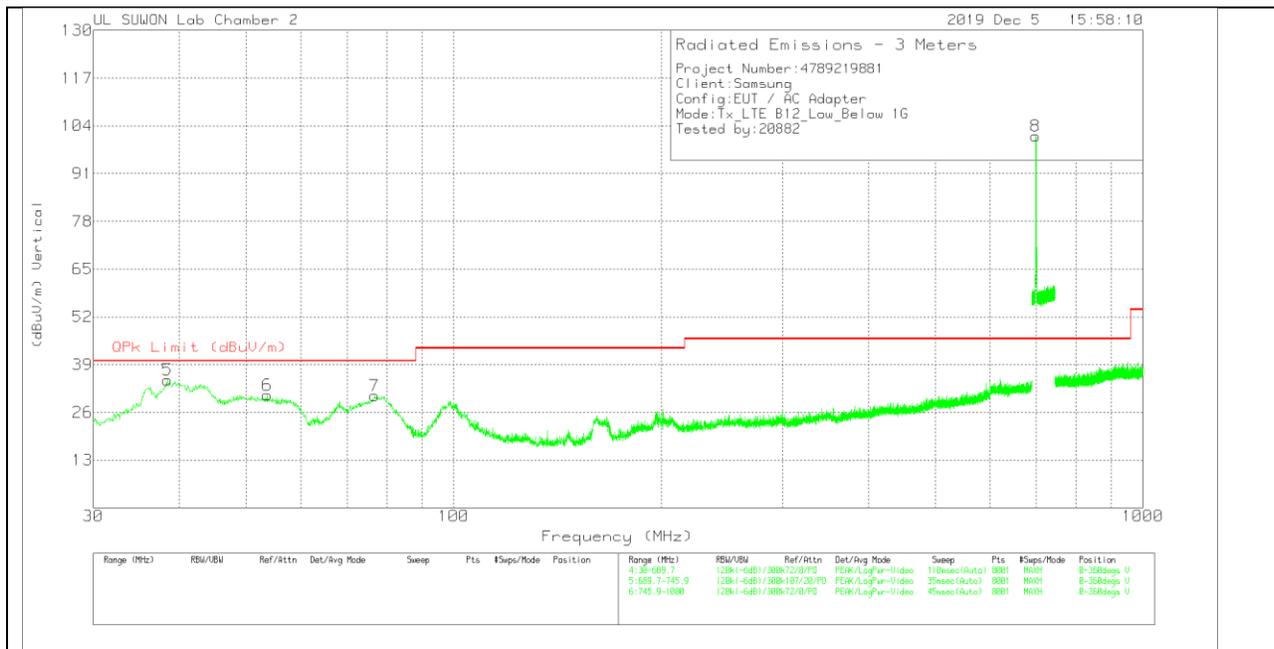
7.8. Below 1 GHz in the LTE Band 12

LOW CHANNEL(730.5MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

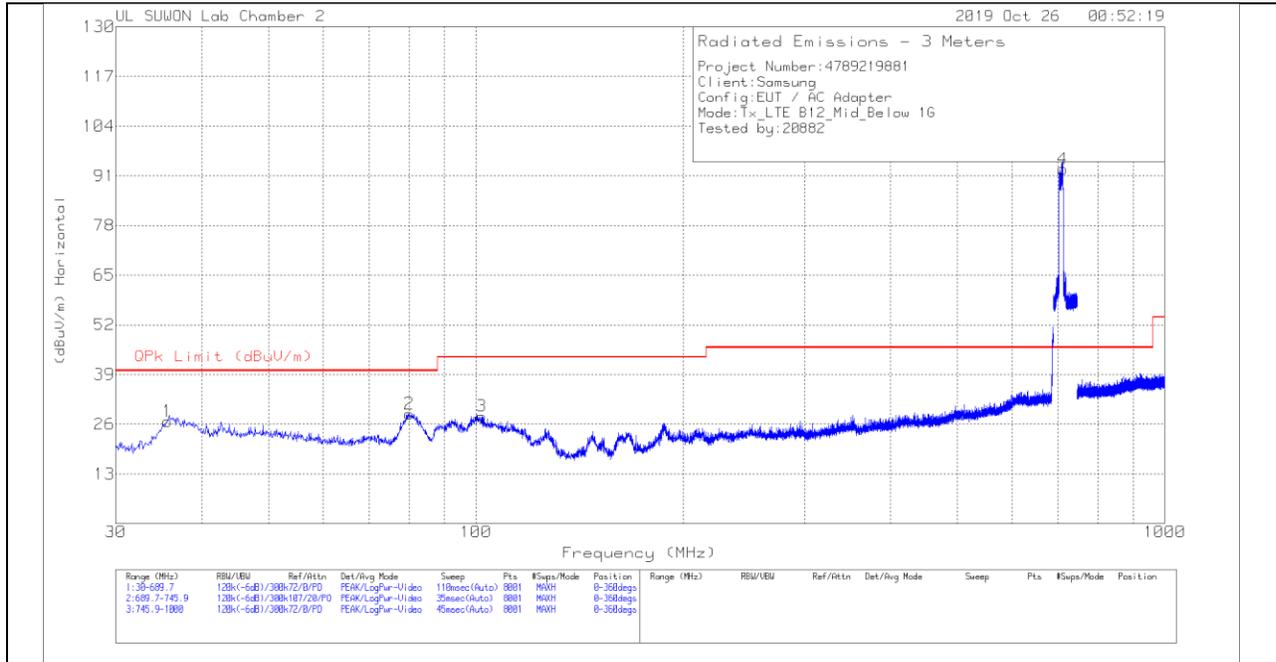
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_749	Bypass_Below_1G[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	39.978	7.86	Pk	18.7	.7	27.26	40	-12.74	0-360	300	H
2	76.3442	14.65	Pk	13.2	1	28.85	40	-11.15	0-360	200	H
3	103.8868	13.57	Pk	17.7	1.2	32.47	43.52	-11.05	0-360	300	H
4	699.6544	70.61	Pk	25.6	3	99.21	46.02	53.19	0-360	100	H
5	38.4112	16.09	Pk	18.1	.7	34.89	40	-5.11	0-360	100	V
6	53.6669	10.43	Pk	19.5	.8	30.73	40	-9.27	0-360	100	V
7	76.7565	16.54	Pk	13	1	30.54	40	-9.46	0-360	100	V
8	699.3594	72.64	Pk	25.6	3	101.24	46.02	55.22	0-360	100	V

Pk - Peak detector

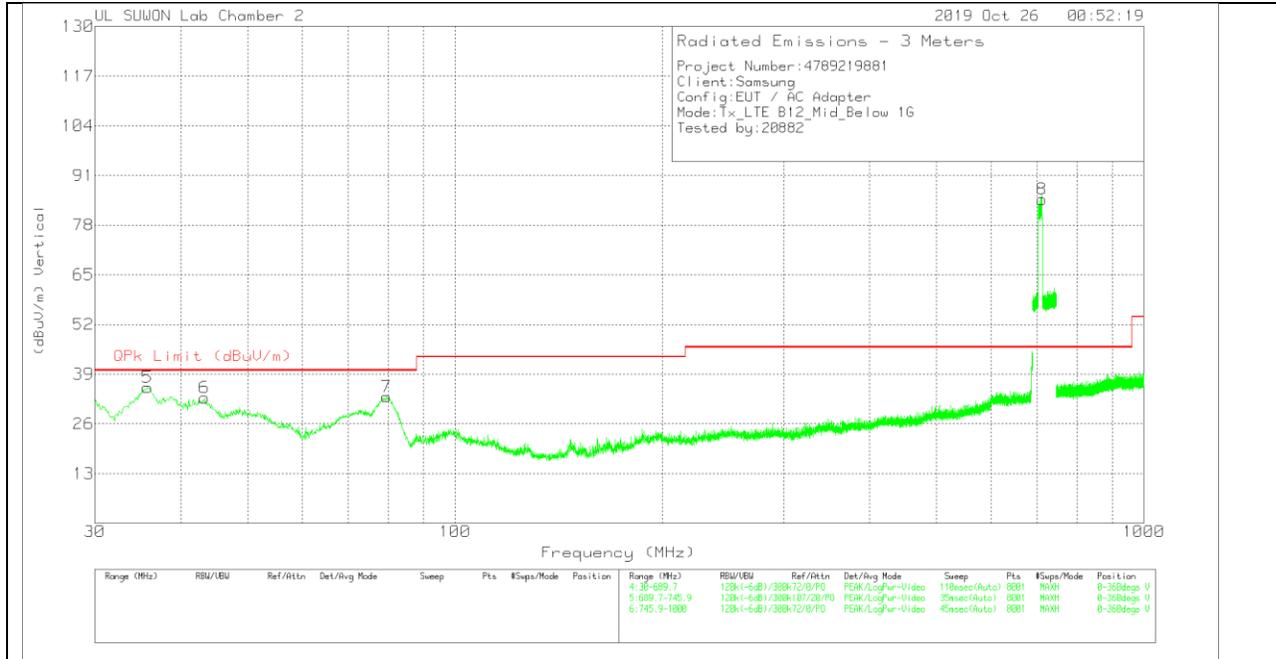
Note: Unwanted emissions captured from 699MHz to 716MHz and from 729MHz to 746MHz were the TX and RX signals generated from the call-simulator.

MID CHANNEL(737.5MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_749	Bypass_Below_1G[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	35.6899	9.05	Pk	17	.7	26.75	40	-13.25	0-360	300	H
2	80.055	15.1	Pk	12.6	1	28.7	40	-11.3	0-360	200	H
3	101.9077	9.18	Pk	17.8	1.1	28.08	43.52	-15.44	0-360	300	H
4	711.1825	64.27	Pk	25.5	3	92.77	46.02	46.75	0-360	100	H
5	35.7724	17.83	Pk	17	.7	35.53	40	-4.47	0-360	100	V
6	43.2765	12.65	Pk	19.5	.7	32.85	40	-7.15	0-360	100	V
7	79.4778	19.47	Pk	12.6	1	33.07	40	-6.93	0-360	100	V
8	711.1403	56.25	Pk	25.5	3	84.75	46.02	38.73	0-360	100	V

Pk - Peak detector

Radiated Emissions

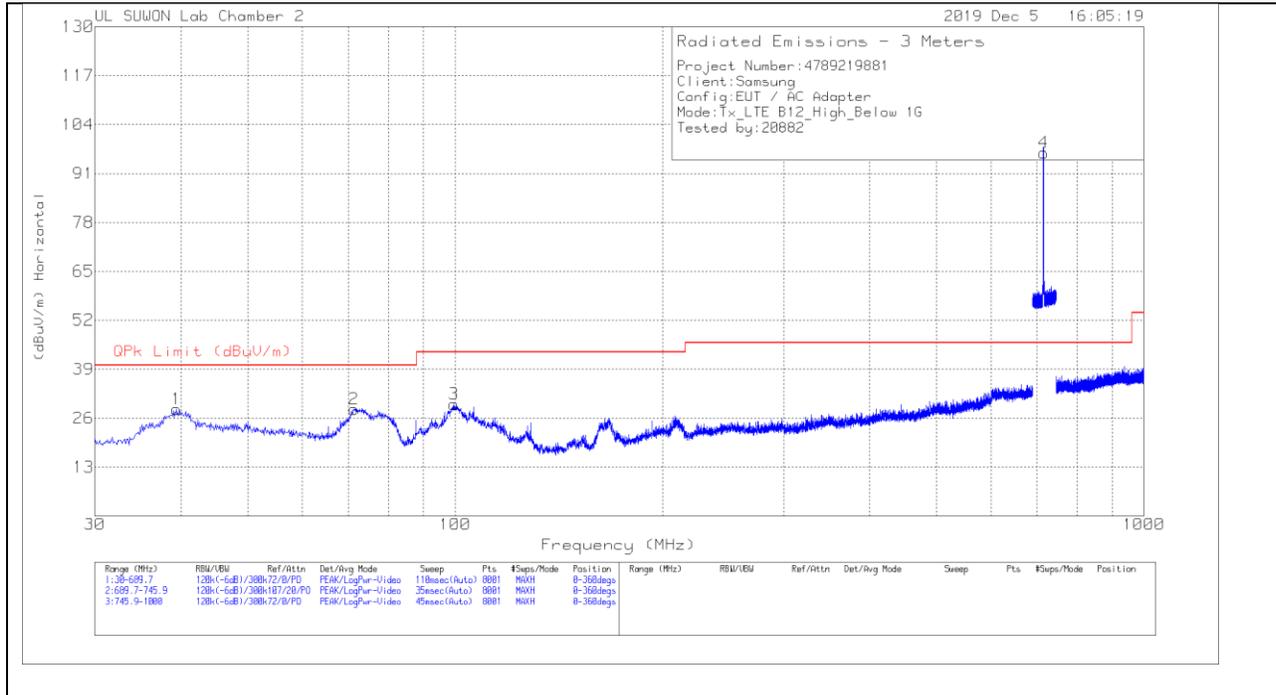
Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_749	Below_1G_Bypass[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
35.7724	14.91	Qp	17	.7	32.61	40	-7.39	127	100	V

Qp - Quasi-Peak detector

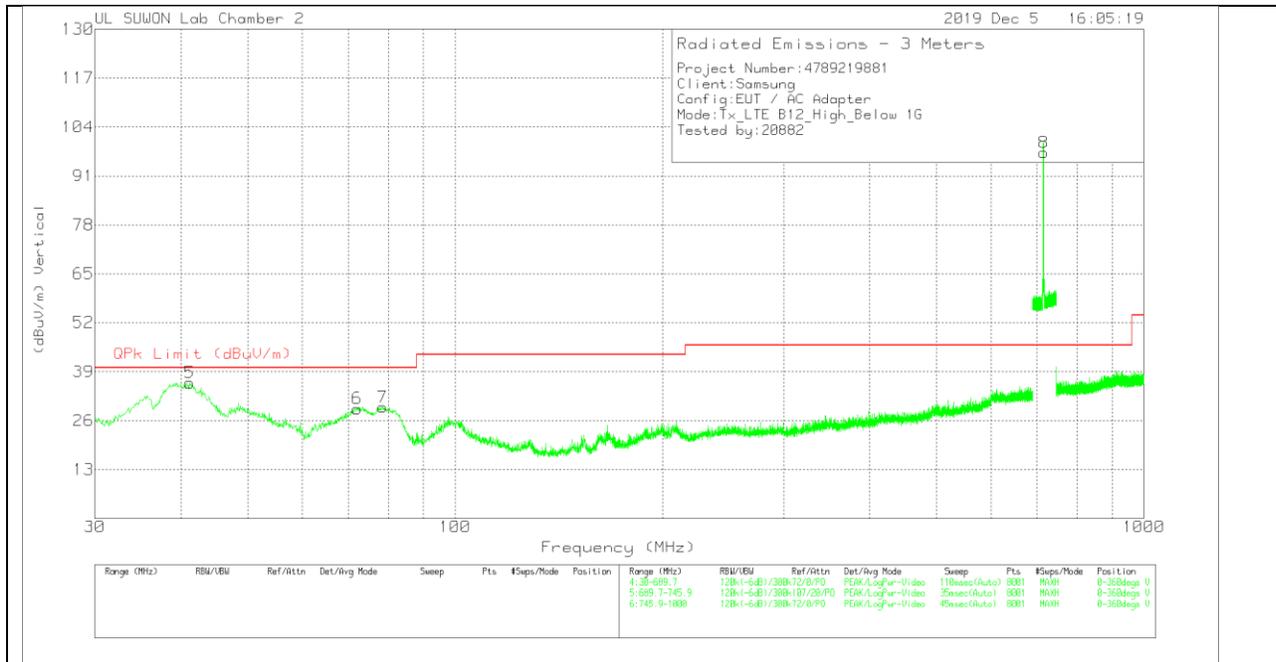
Note: Unwanted emissions captured from 699MHz to 716MHz and from 729MHz to 746MHz were the TX and RX signals generated from the call-simulator.

HIGH CHANNEL(744.5MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_749	Bypass_Below_1G[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	39.4008	9.15	Pk	18.5	.7	28.35	40	-11.65	0-360	300	H
2	71.3964	12.36	Pk	15	1	28.36	40	-11.64	0-360	300	H
3	99.5988	10.88	Pk	17.7	1.1	29.68	43.52	-13.84	0-360	300	H
4	715.2991	67.79	Pk	25.7	3	96.49	46.02	50.47	0-360	100	H
5	41.215	16.3	Pk	19	.7	36	40	-4	0-360	100	V
6	72.1386	13.46	Pk	14.7	1	29.16	40	-10.84	0-360	400	V
7	78.4882	15.94	Pk	12.6	1	29.54	40	-10.46	0-360	100	V
8	715.3132	68.5	Pk	25.7	3	97.2	46.02	51.18	0-360	100	V

Pk - Peak detector

Radiated Emissions

Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_749	Below_1G_Bypass[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
41.215	13.14	Qp	19	.7	32.84	40	-7.16	276	100	V

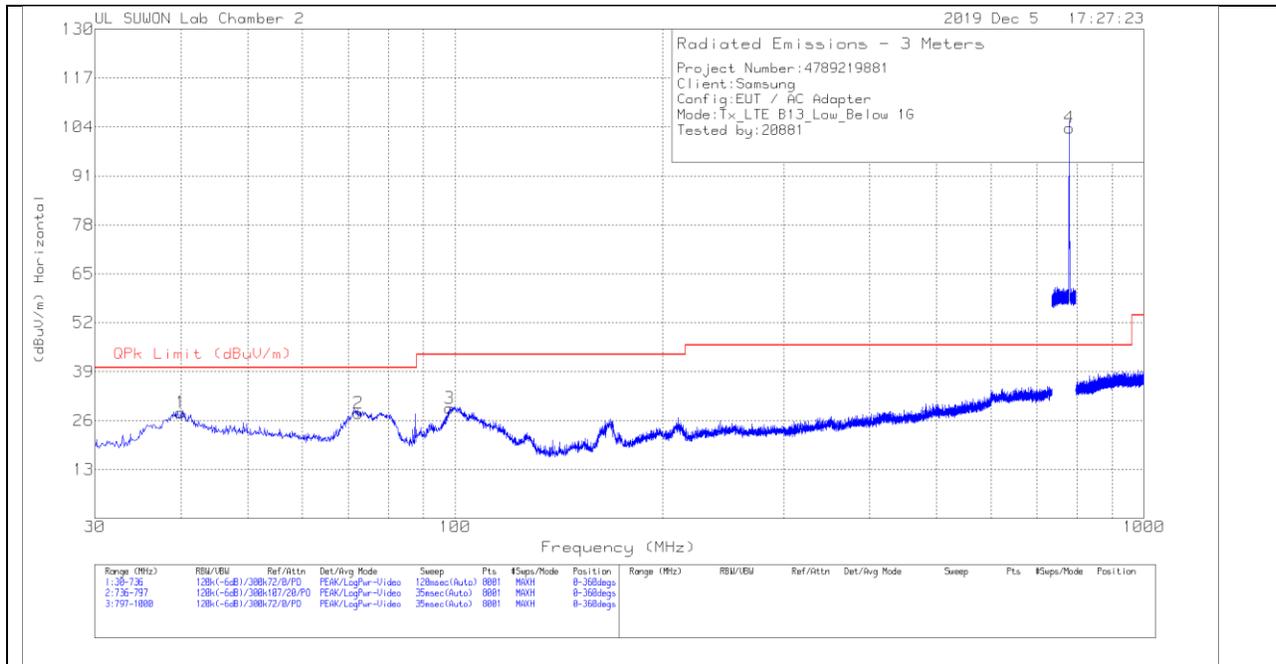
Qp - Quasi-Peak detector

Note: Unwanted emissions captured from 699MHz to 716MHz and from 729MHz to 746MHz were the TX and RX signals generated from the call-simulator.

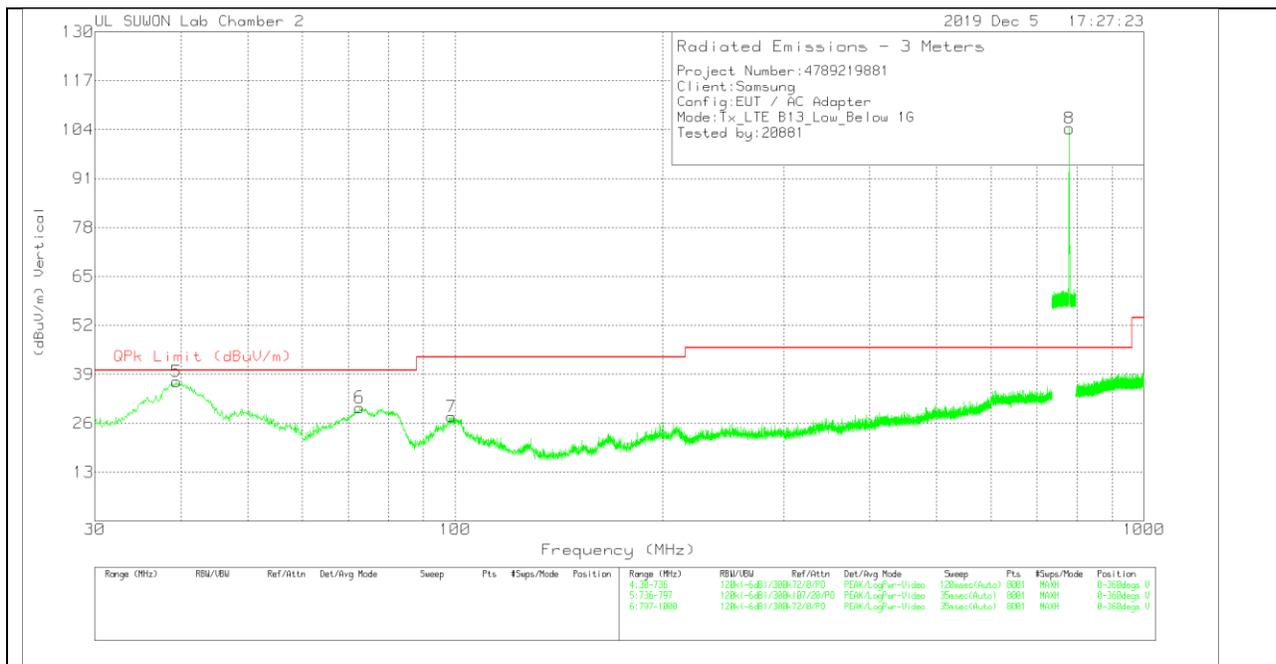
7.9. Below 1 GHz in the LTE Band 13

LOW CHANNEL(748.5MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_749	Bypass_Below_1G[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	39.9723	8.72	Pk	18.7	.7	28.12	40	-11.88	0-360	300	H
2	72.4483	12.34	Pk	14.6	1	27.94	40	-12.06	0-360	400	H
3	98.2173	10.55	Pk	17.6	1.1	29.25	43.52	-14.27	0-360	300	H
4	779.5235	74	Pk	26.7	3.1	103.8	46.02	57.78	0-360	100	H
5	39.4428	17.85	Pk	18.5	.7	37.05	40	-2.95	0-360	100	V
6	72.713	14.71	Pk	14.4	1	30.11	40	-9.89	0-360	400	V
7	98.835	8.94	Pk	17.7	1.1	27.74	43.52	-15.78	0-360	100	V
8	779.5083	74.52	Pk	26.7	3.1	104.32	46.02	58.3	0-360	100	V

Pk - Peak detector

Radiated Emissions

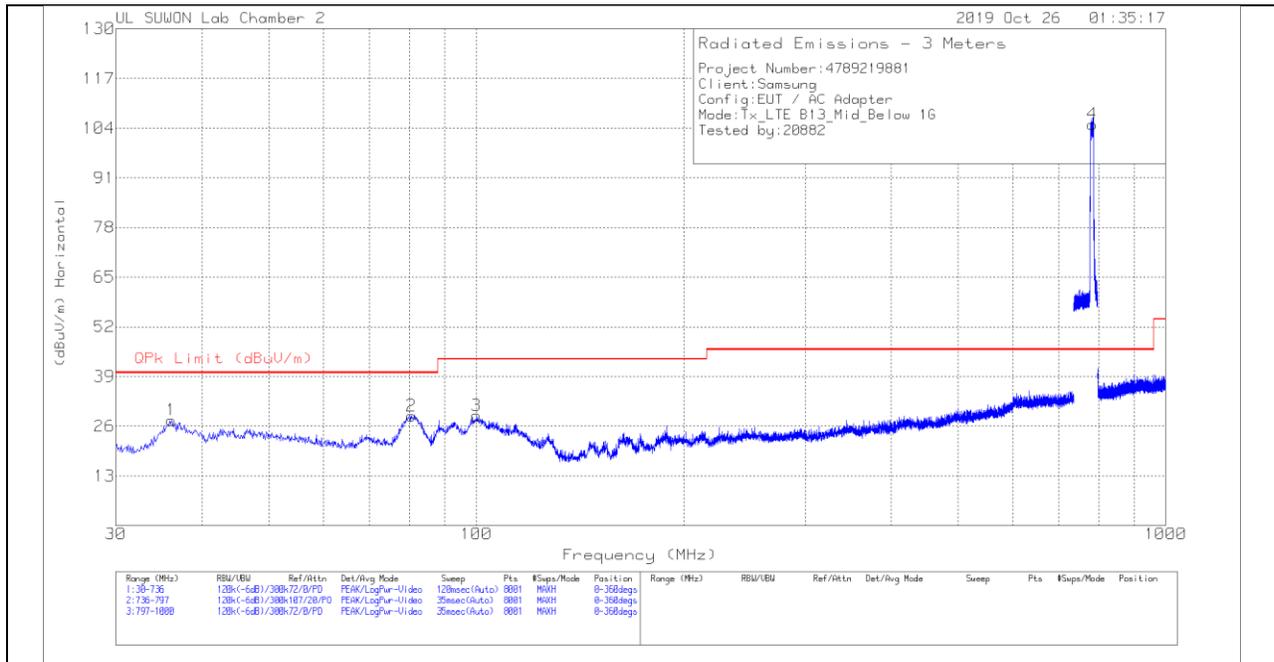
Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_749	Below_1G_Bypass[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
39.4428	14.93	Qp	18.5	.7	34.13	40	-5.87	273	100	V

Qp - Quasi-Peak detector

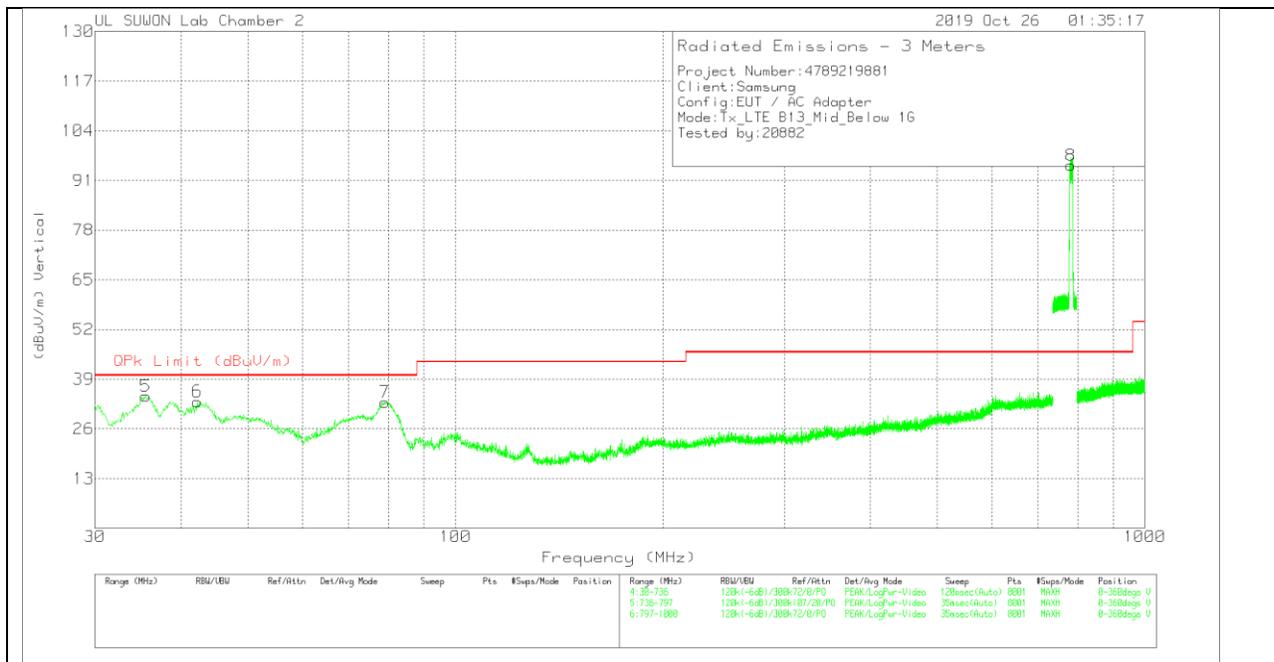
Note: Unwanted emissions captured from 777MHz to 787MHz and from 746MHz to 756MHz were the TX and RX signals generated from the call-simulator.

MID CHANNEL(751.0MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

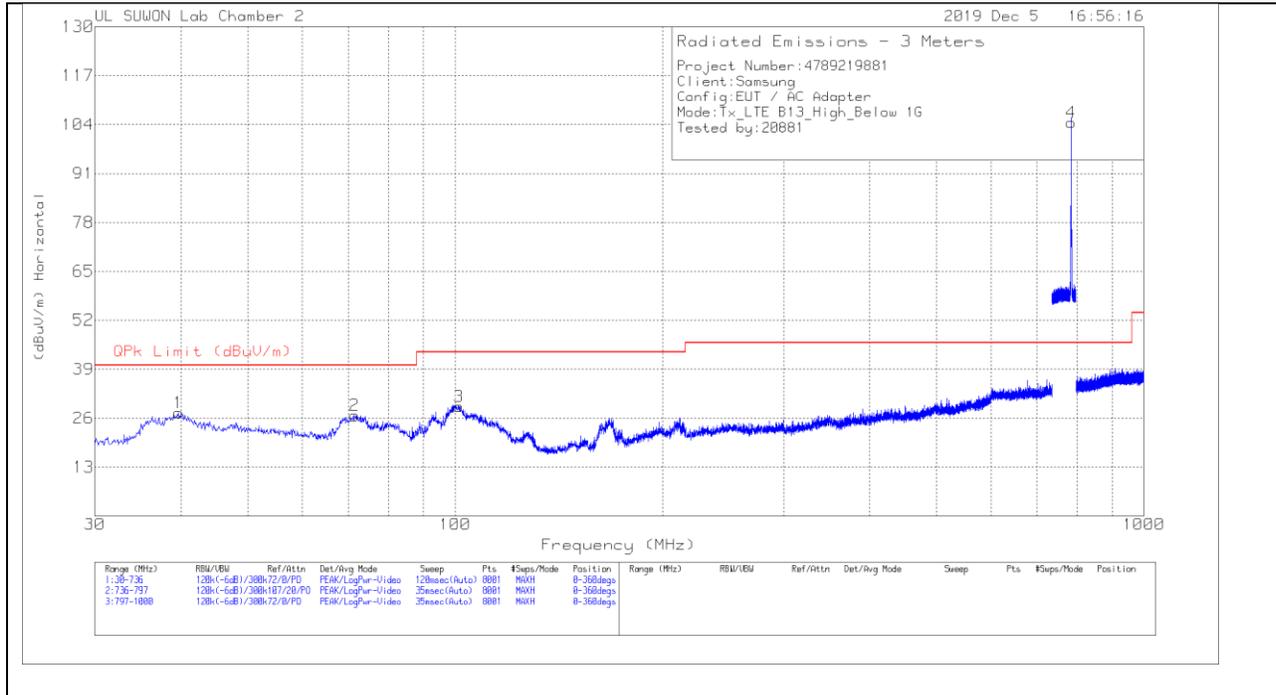
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_749	Bypass_Below_1G[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	36.0893	9.79	Pk	17.1	.7	27.59	40	-12.41	0-360	400	H
2	80.479	15.08	Pk	12.6	1	28.68	40	-11.32	0-360	200	H
3	100.0705	9.96	Pk	17.7	1.1	28.76	43.52	-14.76	0-360	300	H
4	782.8251	75.12	Pk	26.7	3.2	105.02	46.02	59	0-360	100	H
5	35.5598	16.96	Pk	16.9	.7	34.56	40	-5.44	0-360	100	V
6	42.2668	13.15	Pk	19.3	.7	33.15	40	-6.85	0-360	100	V
7	78.9788	19.35	Pk	12.6	1	32.95	40	-7.05	0-360	100	V
8	781.9025	65.03	Pk	26.7	3.2	94.93	46.02	48.91	0-360	100	V

Pk - Peak detector

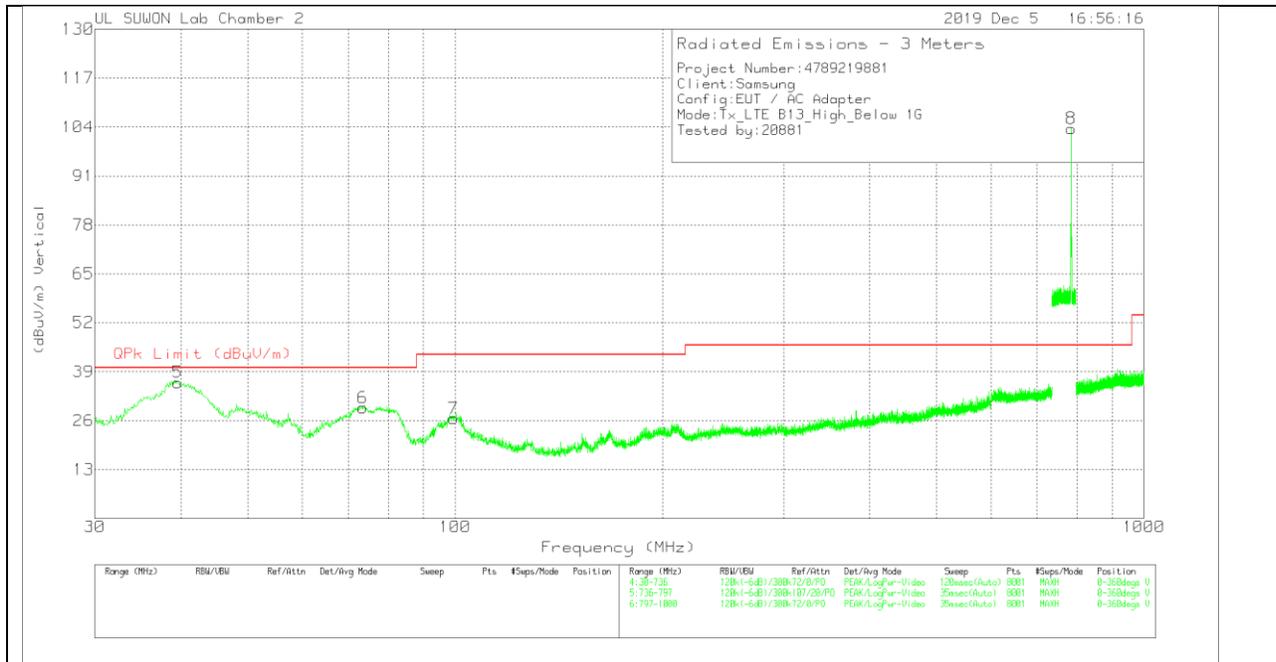
Note: Unwanted emissions captured from 777MHz to 787MHz and from 746MHz to 756MHz were the TX and RX signals generated from the call-simulator.

HIGH CHANNEL(753.5MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_749	Bypass_Below_1G[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	39.7075	8.1	Pk	18.6	.7	27.4	40	-12.6	0-360	300	H
2	71.4775	10.8	Pk	14.9	1	26.7	40	-13.3	0-360	200	H
3	101.306	10.26	Pk	17.7	1.1	29.06	43.52	-14.46	0-360	200	H
4	784.5789	74.65	Pk	26.7	3.2	104.55	46.02	58.53	0-360	100	H
5	39.6193	16.83	Pk	18.6	.7	36.13	40	-3.87	0-360	100	V
6	73.5073	14.3	Pk	14.1	1	29.4	40	-10.6	0-360	100	V
7	99.541	7.77	Pk	17.7	1.1	26.57	43.52	-16.95	0-360	100	V
8	784.5713	73.7	Pk	26.7	3.2	103.6	46.02	57.58	0-360	100	V

Pk - Peak detector

Radiated Emissions

Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_749	Below_1G_Bypass[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
39.6193	13.81	Qp	18.6	.7	33.11	40	-6.89	276	100	V

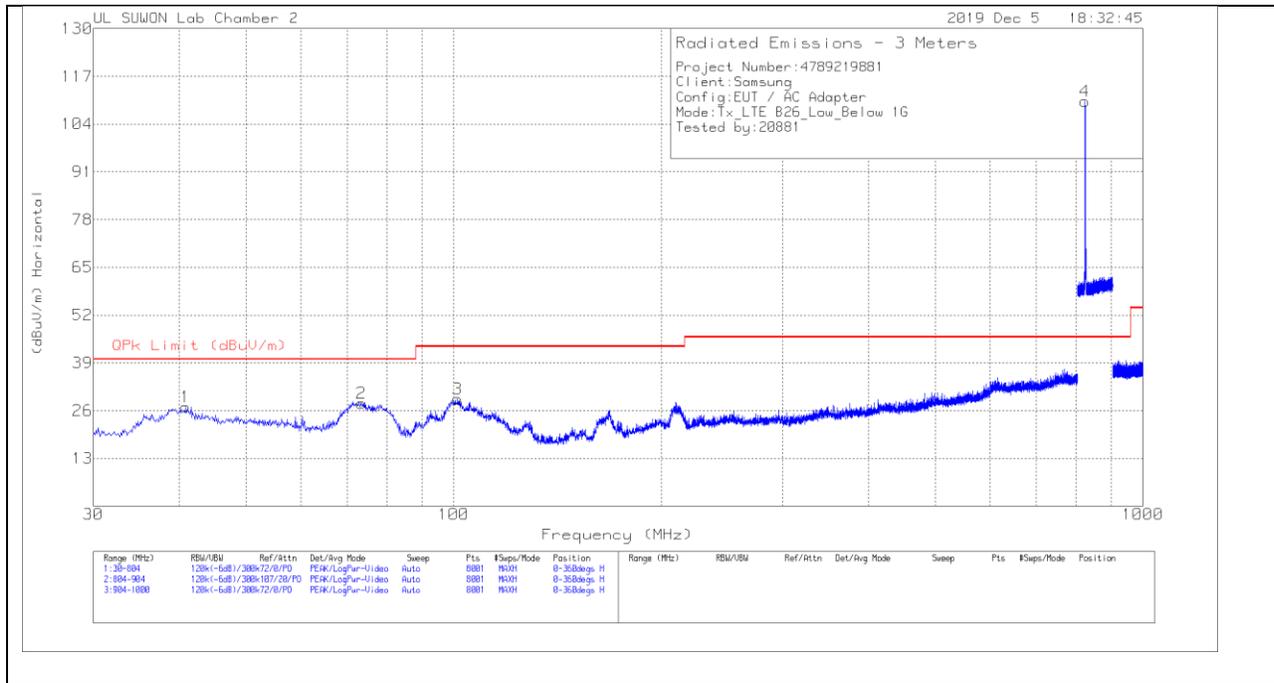
Qp - Quasi-Peak detector

Note: Unwanted emissions captured from 777MHz to 787MHz and from 746MHz to 756MHz were the TX and RX signals generated from the call-simulator.

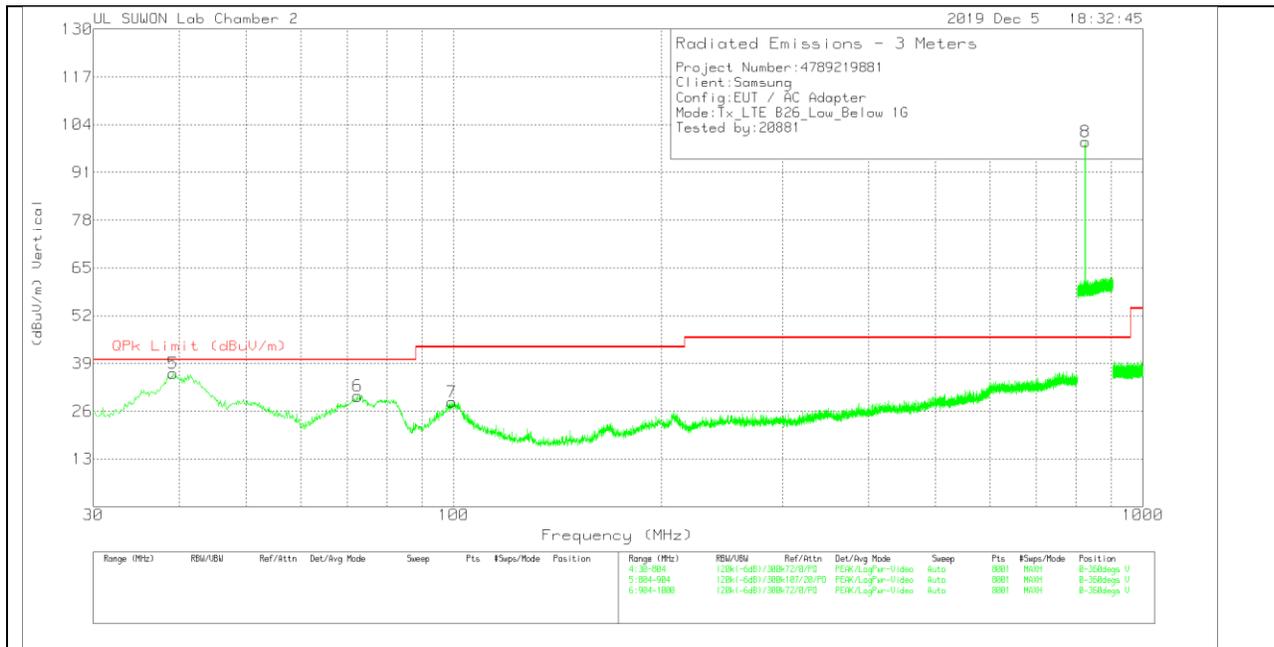
7.10. Below 1 GHz in the LTE Band 26

LOW CHANNEL(860.5MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_749	Bypass_Below_1G[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	40.836	7.33	Pk	19	.7	27.03	40	-12.97	0-360	300	H
2	73.5375	12.98	Pk	14.1	1	28.08	40	-11.92	0-360	400	H
3	101.3048	10.38	Pk	17.7	1.1	29.18	43.52	-14.34	0-360	300	H
4	824.425	80.1	Pk	26.9	3.2	110.2	46.02	64.18	0-360	100	H
5	39.1913	17.12	Pk	18.5	.7	36.32	40	-3.68	0-360	100	V
6	72.57	14.65	Pk	14.5	1	30.15	40	-9.85	0-360	400	V
7	99.4665	9.72	Pk	17.7	1.1	28.52	43.52	-15	0-360	100	V
8	824.9	69.21	Pk	26.9	3.2	99.31	46.02	53.29	0-360	100	V

Pk - Peak detector

Radiated Emissions

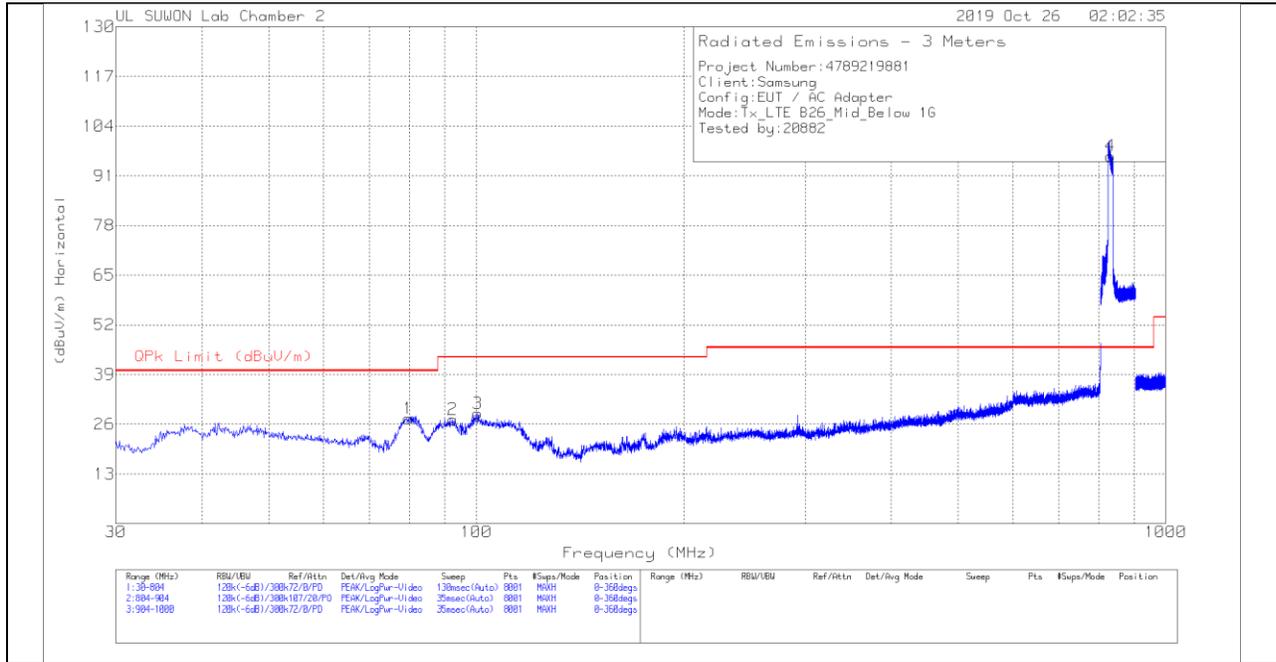
Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_749	Below_1G_Bypass[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
39.1913	9.51	Qp	18.5	.7	28.71	40	-11.29	244	124	V

Qp - Quasi-Peak detector

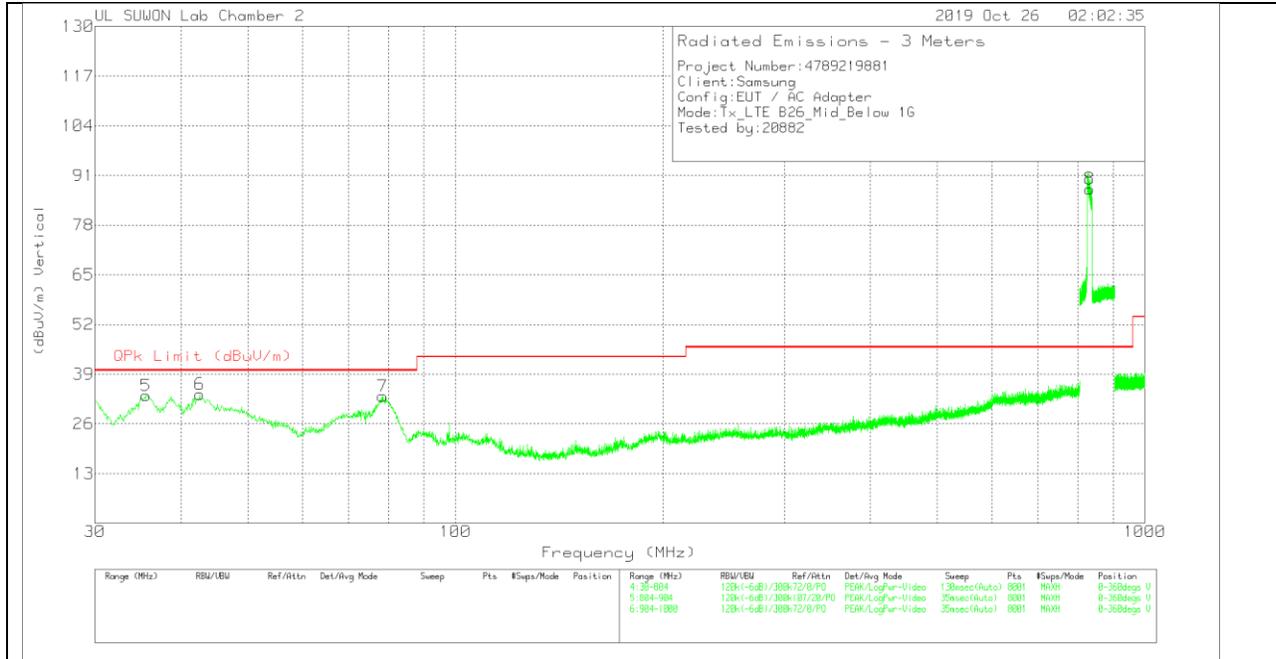
Note: Unwanted emissions captured from 814MHz to 849MHz and from 859MHz to 894MHz were the TX and RX signals generated from the call-simulator.

MID CHANNEL(876.5MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

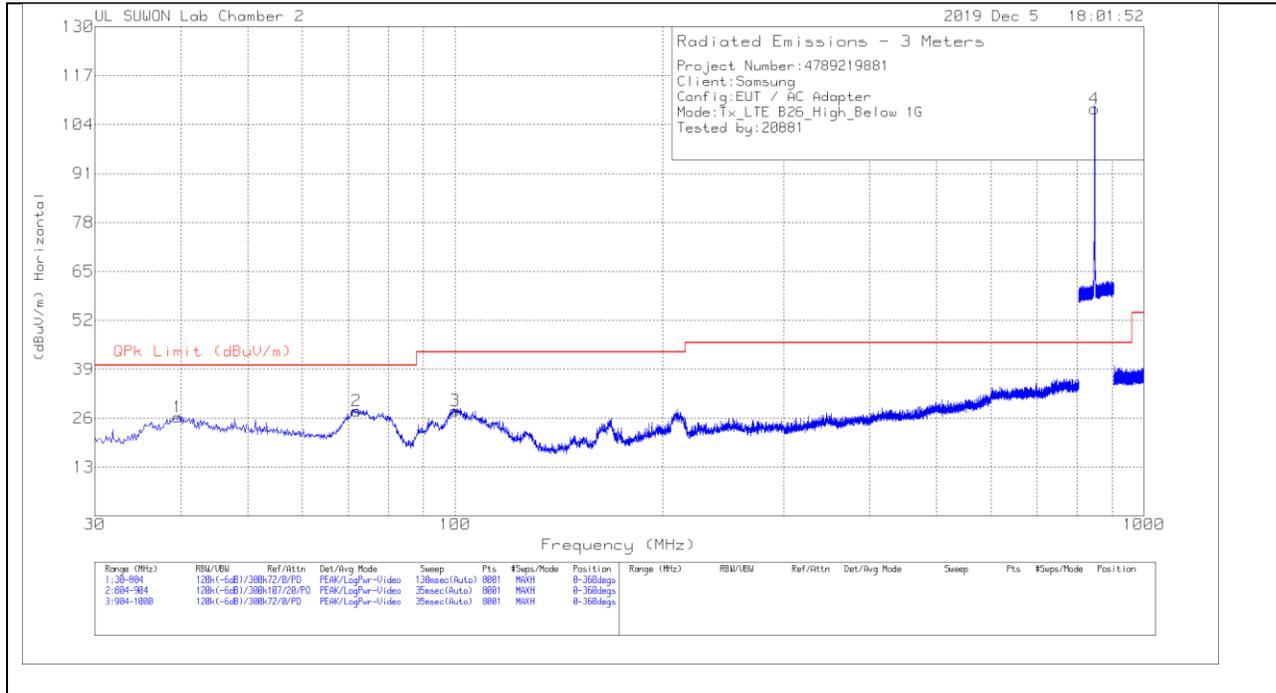
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_749	Bypass_Below_1G[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	79.7295	13.87	Pk	12.6	1	27.47	40	-12.53	0-360	200	H
2	92.4038	9.64	Pk	16.5	1.1	27.24	43.52	-16.28	0-360	200	H
3	100.5308	10	Pk	17.7	1.1	28.8	43.52	-14.72	0-360	300	H
4	831.35	65.78	Pk	27.1	3.3	96.18	46.02	50.16	0-360	100	H
5	35.6115	15.81	Pk	16.9	.7	33.41	40	-6.59	0-360	100	V
6	42.5775	13.75	Pk	19.3	.7	33.75	40	-6.25	0-360	100	V
7	78.4718	19.64	Pk	12.6	1	33.24	40	-6.76	0-360	100	V
8	831.4625	57.08	Pk	27.1	3.3	87.48	46.02	41.46	0-360	100	V

Pk - Peak detector

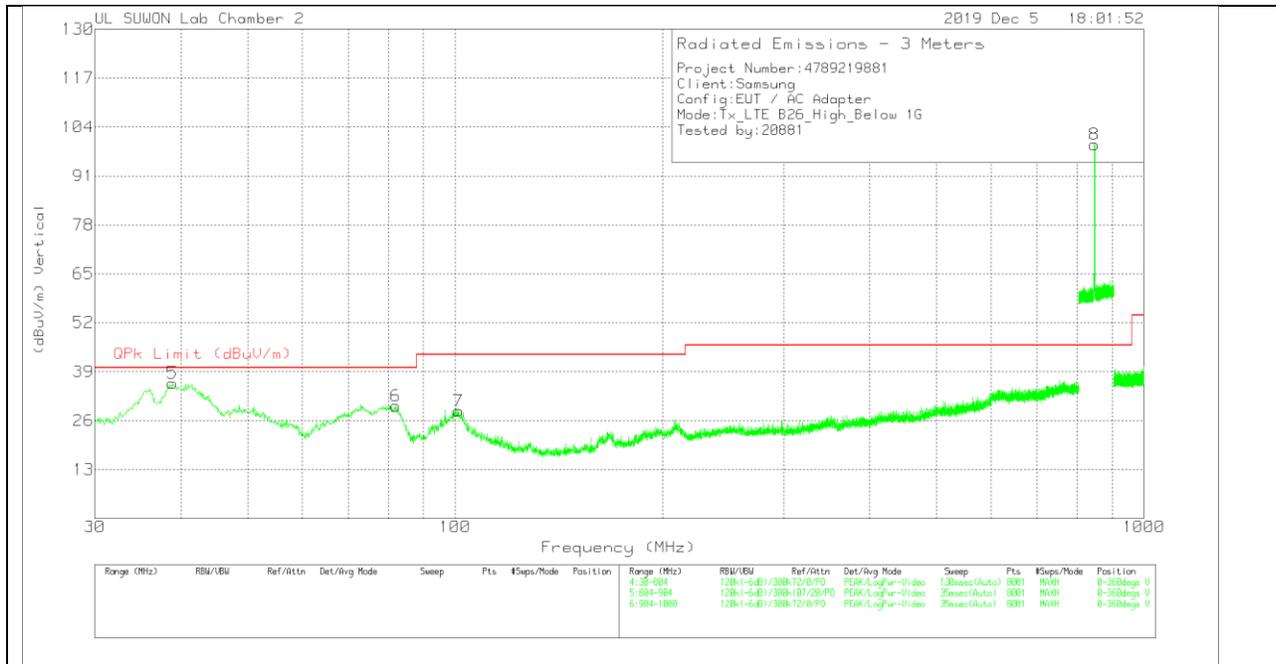
Note: Unwanted emissions captured from 814MHz to 849MHz and from 859MHz to 894MHz were the TX and RX signals generated from the call-simulator.

HIGH CHANNEL(892.5MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_749	Bypass_Below_1G[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	39.5783	6.93	Pk	18.6	.7	26.23	40	-13.77	0-360	300	H
2	71.9895	12.08	Pk	14.8	1	27.88	40	-12.12	0-360	300	H
3	100.1438	9.16	Pk	17.7	1.1	27.96	43.52	-15.56	0-360	300	H
4	848.3	77.5	Pk	27.4	3.3	108.2	46.02	62.18	0-360	100	H
5	38.901	16.95	Pk	18.3	.7	35.95	40	-4.05	0-360	100	V
6	82.0515	16.06	Pk	12.8	1	29.86	40	-10.14	0-360	100	V
7	101.208	9.74	Pk	17.7	1.1	28.54	43.52	-14.98	0-360	100	V
8	848.3	68.63	Pk	27.4	3.3	99.33	46.02	53.31	0-360	100	V

Pk - Peak detector

Radiated Emissions

Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_749	Below_1G_Bypass[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
38.901	13.67	Qp	18.3	.7	32.67	40	-7.33	265	100	V

Qp - Quasi-Peak detector

Note: Unwanted emissions captured from 814MHz to 849MHz and from 859MHz to 894MHz were the TX and RX signals generated from the call-simulator.

END OF REPORT