

Appendix B : Part15B receiver test mode

1. 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

2. EQUIPMENT UNDER TEST

2.1. 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 receiver mode.
(GSM850/WCDMA B5/LTE B5/LTE B12/LTE B13/LTE B26)

2.2. TEST MODE

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

2.3. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Support Equipment List				
Description	Manufacturer	Model	Serial Number	FCC ID
Charger	SAMSUNG	EP-TA200	R37KB5B03T1SE3	N/A
Data Cable	SAMSUNG	EP-DG970BBE	N/A	N/A
Earphone	SAMSUNG	EO-IG955	N/A	N/A

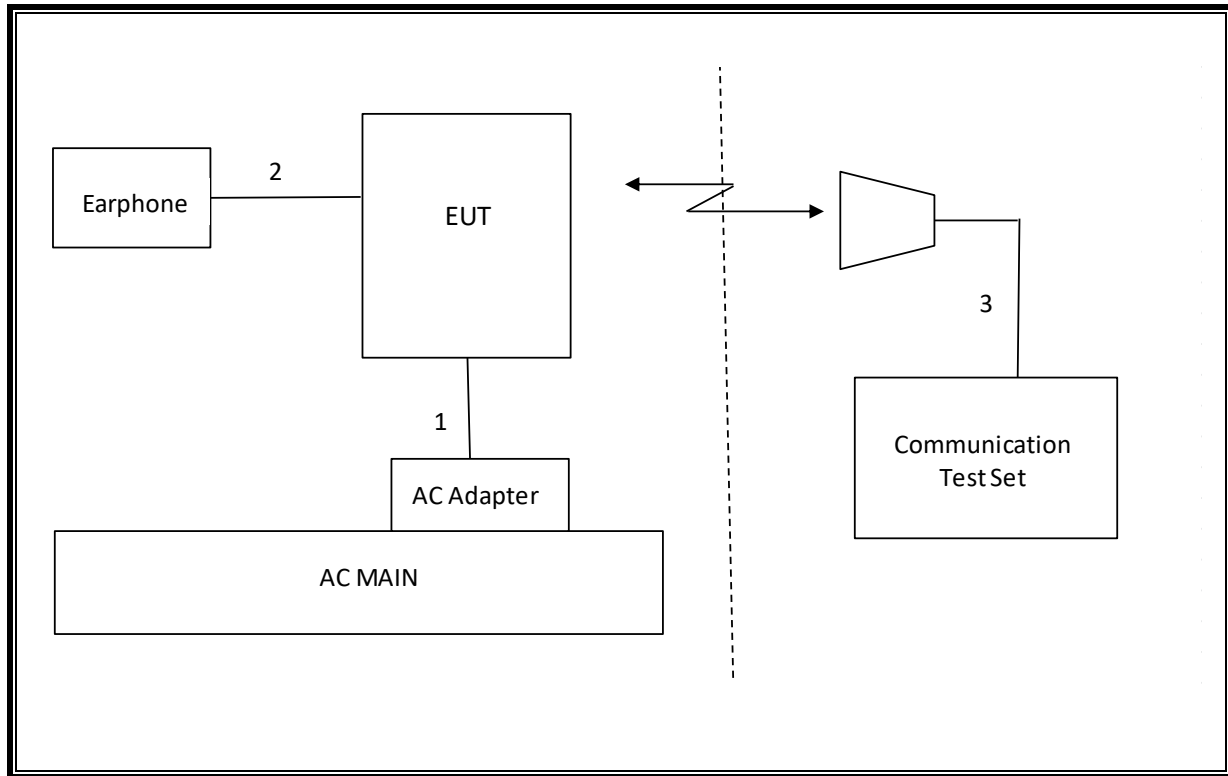
I/O CABLE

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	1.1m	N/A
2	Audio	2	Mini-Jack	Unshielded	1.2m	N/A

TEST SETUP

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

SETUP DIAGRAM FOR TESTS (RADIATED TEST SETUP)



3. 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	06-30-19
Antenna, Horn, 40 GHz	ETS	3116C	00166155	12-04-19
Preamplifier	ETS	3116C-PA	00168841	08-09-19
Antenna, Horn, 40 GHz	ETS	3116C	00168645	12-04-19
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
Combiner	WEINSCHTEL	1575	2152	08-08-19
Communications Test Set	R&S	CMW500	115331	08-07-19
DC Power Supply	Agilent / HP	E3640A	MY54226395	08-06-19
Preamplifier, 1000 MHz	Sonoma	310N	341282	08-07-19
Preamplifier, 1000 MHz	Sonoma	310N	370599	08-06-19
Preamplifier, 1000 MHz	Sonoma	310N	351741	08-07-19
Preamplifier, 18 GHz	Miteq	AFS42-00101800-25-S-42	1876511	08-07-19
Preamplifier, 18 GHz	Miteq	AFS42-00101800-25-S-42	2029169	08-07-19
Preamplifier, 18 GHz	Miteq	AFS42-00101800-25-S-42	1896138	08-07-19
Spectrum Analyzer, 44 GHz	Agilent / HP	N9030A	MY54490312	08-06-19
EMI Test Receive, 40 GHz	R&S	ESU40	100439	08-06-19
EMI Test Receive, 40 GHz	R&S	ESU40	100457	08-06-19
EMI Test Receive, 44 GHz	R&S	ESW40	101590	08-06-19
High Pass Filter 1.2GHz	Micro-Tronics	HPM50108-02	G005	08-08-19
High Pass Filter 1.2GHz	Micro-Tronics	HPM50108-02	G006	08-08-19
High Pass Filter 2.8GHz	Micro-Tronics	HPM50111-02	010	08-08-19
High Pass Filter 2.8GHz	Micro-Tronics	HPM50111-02	011	08-08-19
High Pass Filter 4GHz	Micro-Tronics	HPM50118-02	G001	08-08-19
High Pass Filter 4GHz	Micro-Tronics	HPM50118-02	G002	08-08-19
Attenuator	PASTERNAK	PE7087-10	A009	08-08-19
Attenuator	PASTERNAK	PE7087-10	A001	08-08-19
Attenuator	PASTERNAK	PE7087-10	A008	08-08-19
Attenuator	PASTERNAK	PE7087-10	2	08-07-19
Attenuator	PASTERNAK	PE7395-10	A011	08-08-19
Antenna, Loop, 9kHz-30MHz	R&S	HFH2-Z2	100418	10-26-19
Temperature Chamber	ESPEC	SH-642	93001109	08-06-19
UL Software				
Description	Manufacturer	Model	Version	
Antenna port test software	UL	CLT	Ver 2.5	

4. APPLICABLE LIMITS AND TEST RESULTS

TEST PROCEDURE

ANSI C63.4: 2014

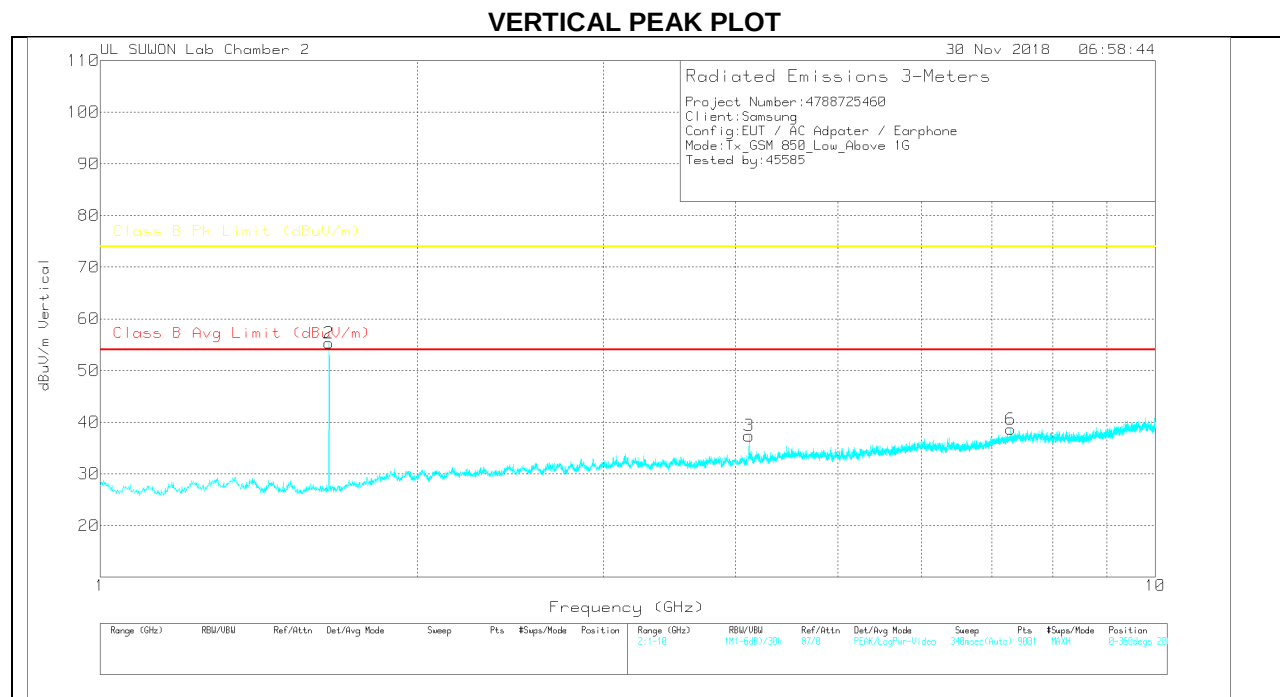
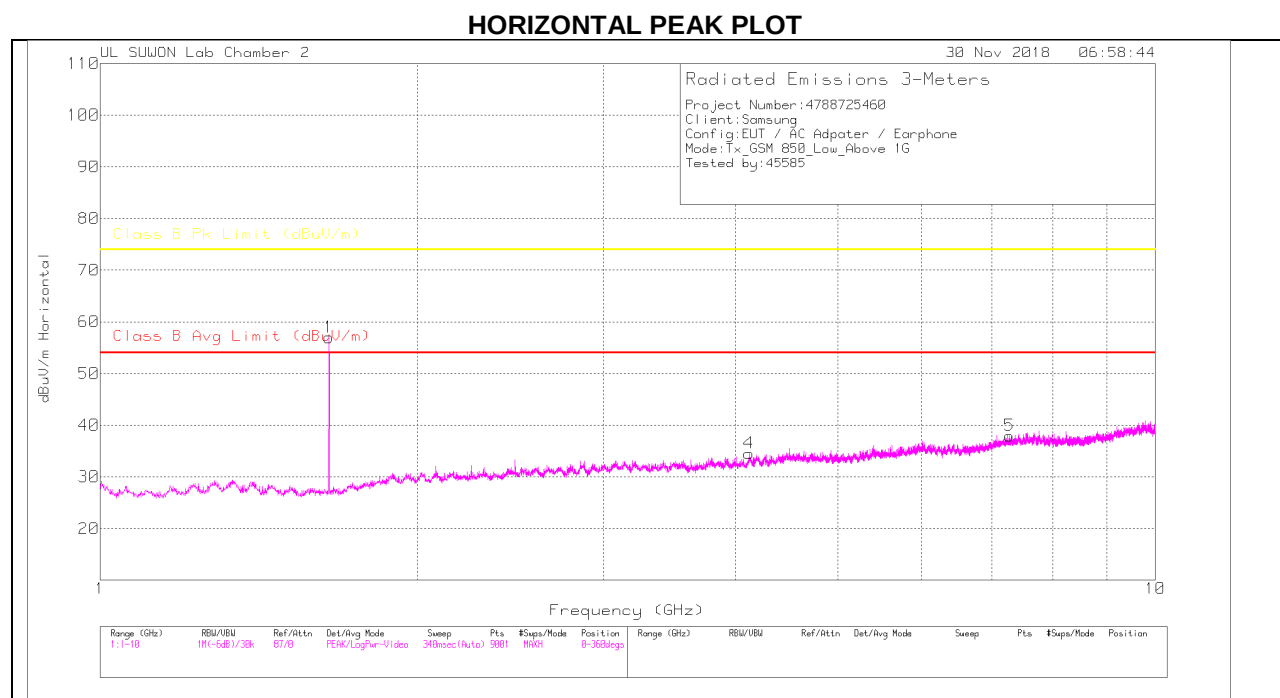
LIMIT

§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 (dBμV/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.	

4.1. Above 1 GHz in the GSM850

LOW CHANNEL(869.2MHz)



DATA

Trace Markers

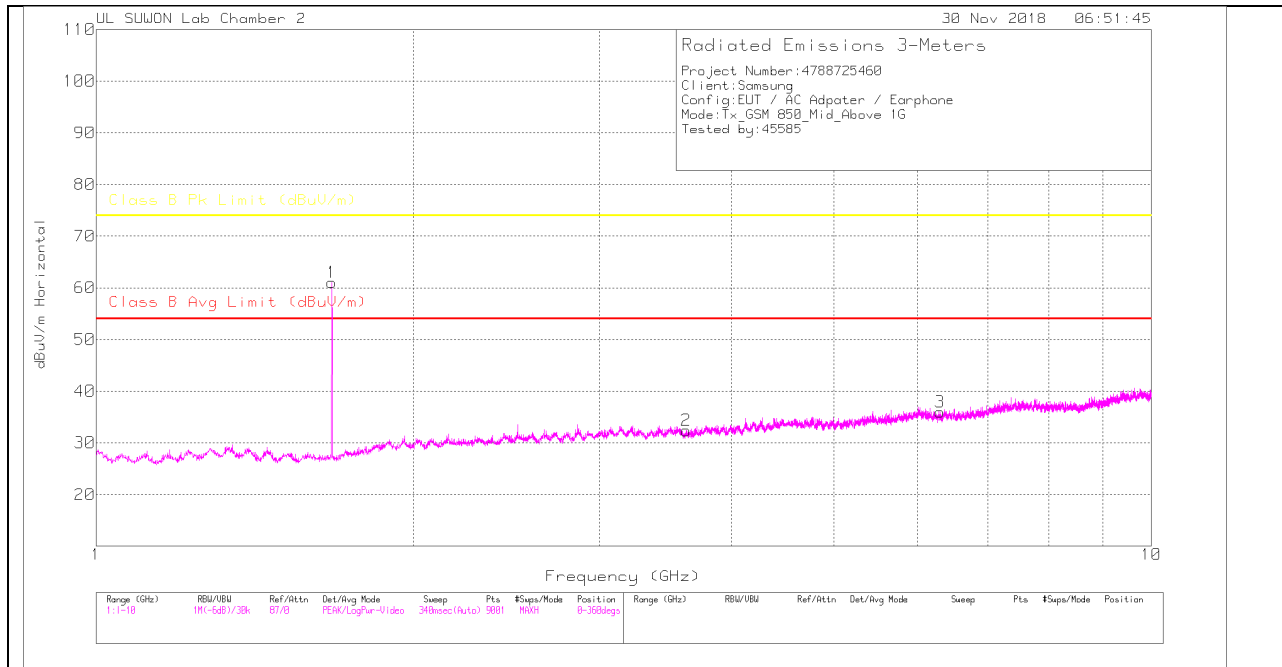
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	1-18GHz(dB)	1GHz_HPF	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Av(CSFR)Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.648	59.49	PK	28.3	-31.4	.6	56.99	-	-	74	-17.01	0-360	100	H
4	4.121	29.17	PK	33.4	-28.4	.4	34.57	-	-	74	-39.43	0-360	100	H
5	7.273	27.17	PK	36.2	-25.9	.5	37.97	-	-	74	-36.03	0-360	100	H
2	1.648	57.79	PK	28.3	-31.4	.6	55.29	-	-	74	-18.71	0-360	200	V
3	4.121	31.98	PK	33.4	-28.4	.4	37.38	-	-	74	-36.62	0-360	200	V
6	7.293	27.83	PK	36.2	-25.9	.5	38.63	-	-	74	-35.37	0-360	200	V

PK – Peak Detector

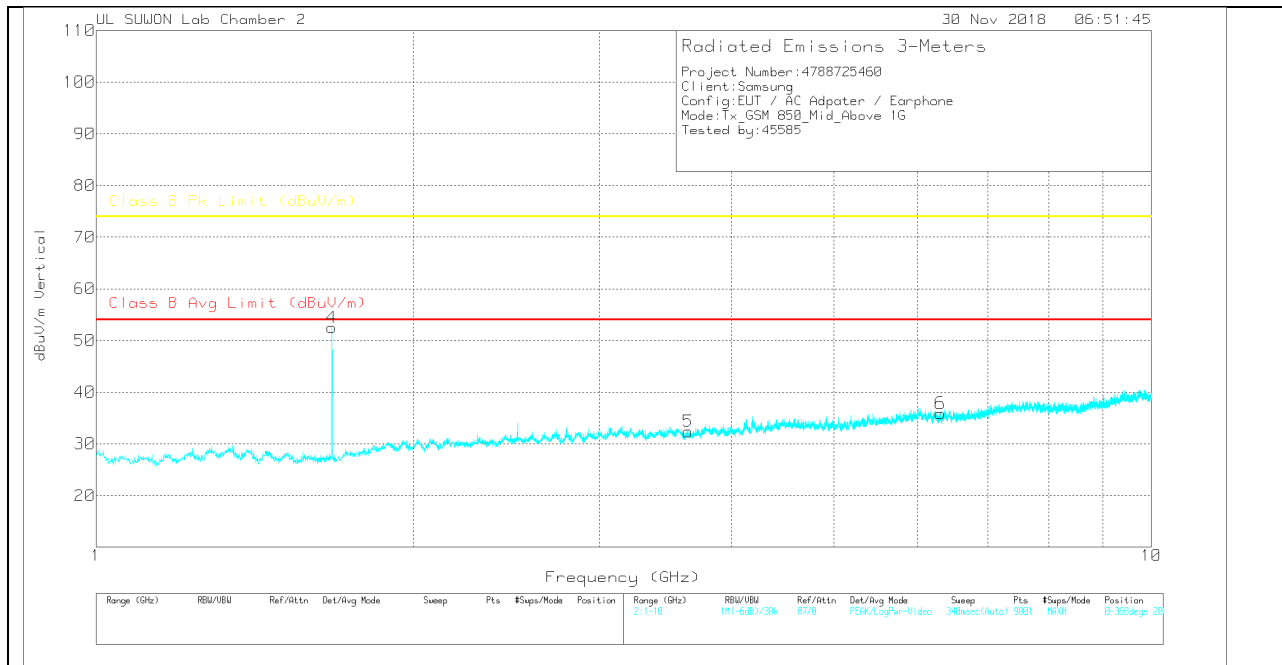
Note: Unwanted emissions on the harmonic frequency were generated from the call-simulator with the TX and RX signals.

MID CHANNEL(881.6MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

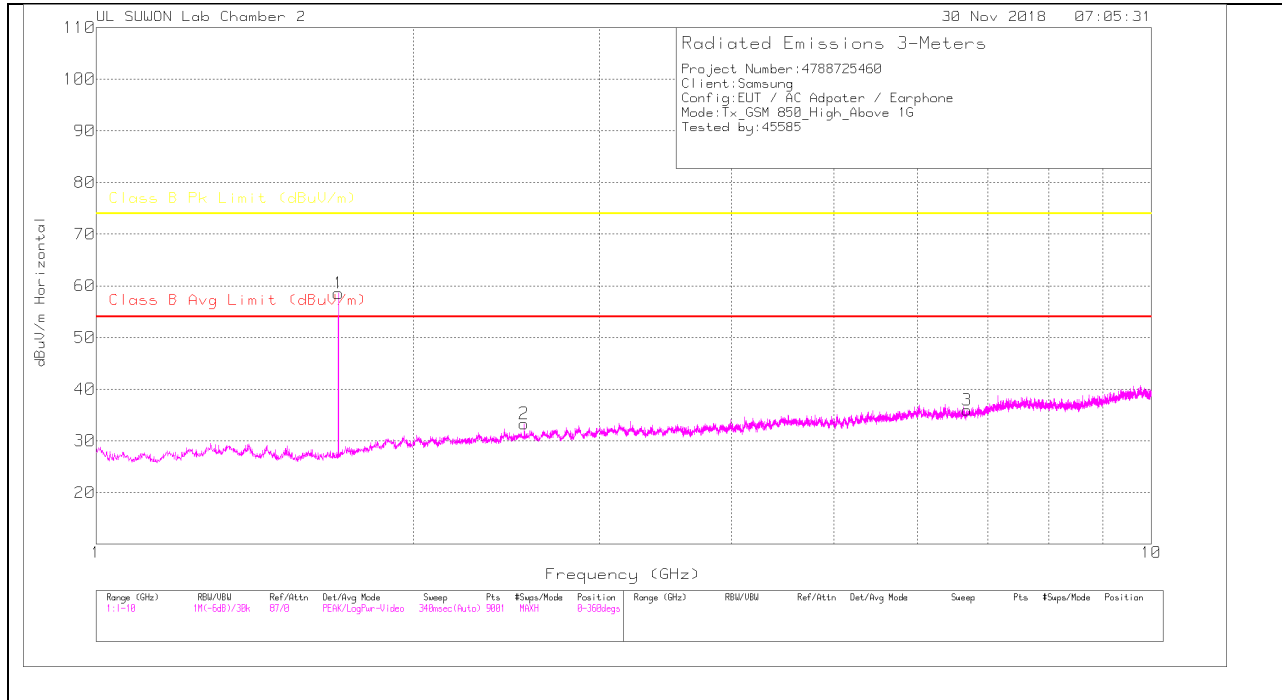
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	5117_00168724	1-18GHz(dB)	1GHz_HPF	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Av(CSPP)Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.673	63.33	PK	28.5	-31.3	.5	61.03	-	-	74	-12.97	0-360	200	H
2	3.626	28.6	PK	32.8	-29.5	.5	32.4	-	-	74	-41.6	0-360	100	H
3	6.307	27.58	PK	35.2	-27.1	.3	35.98	-	-	74	-38.02	0-360	200	H
4	1.673	54.82	PK	28.5	-31.3	.5	52.52	-	-	74	-21.48	0-360	200	V
5	3.639	28.7	PK	32.8	-29.6	.5	32.4	-	-	74	-41.6	0-360	100	V
6	6.312	27.38	PK	35.2	-27	.3	35.88	-	-	74	-38.12	0-360	200	V

PK – Peak Detector

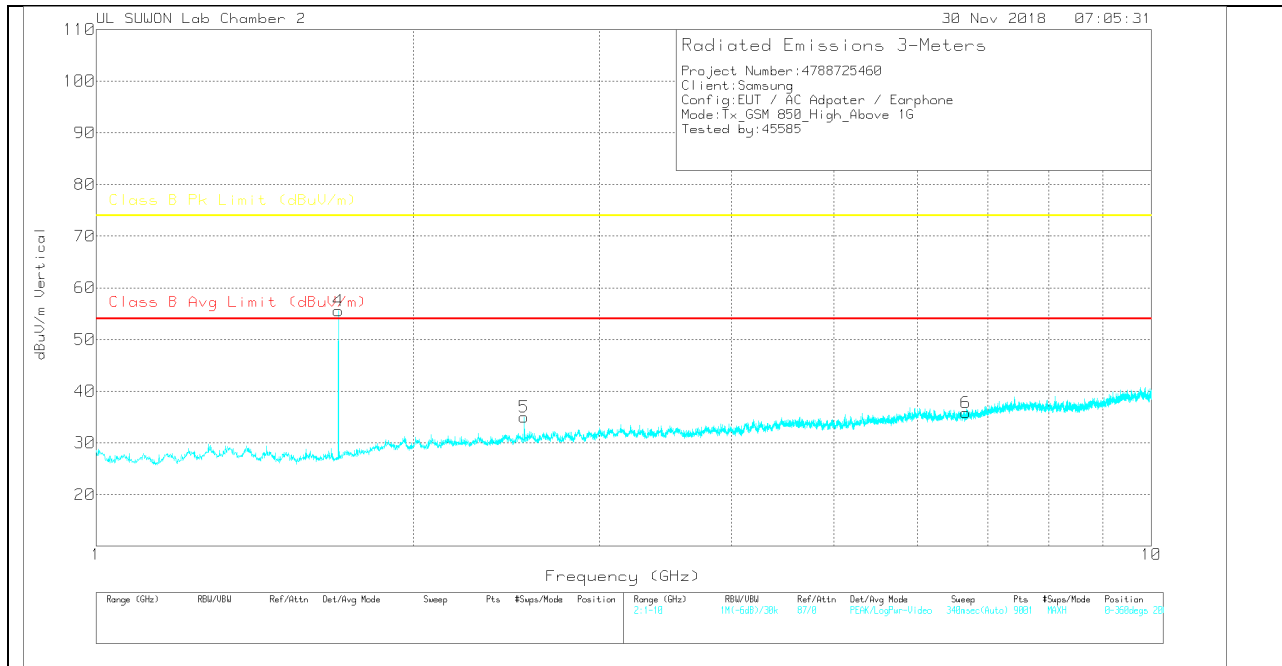
Note: Unwanted emissions on the harmonic frequency were generated from the call-simulator with the TX and RX signals.

HIGH CHANNEL(893.8MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

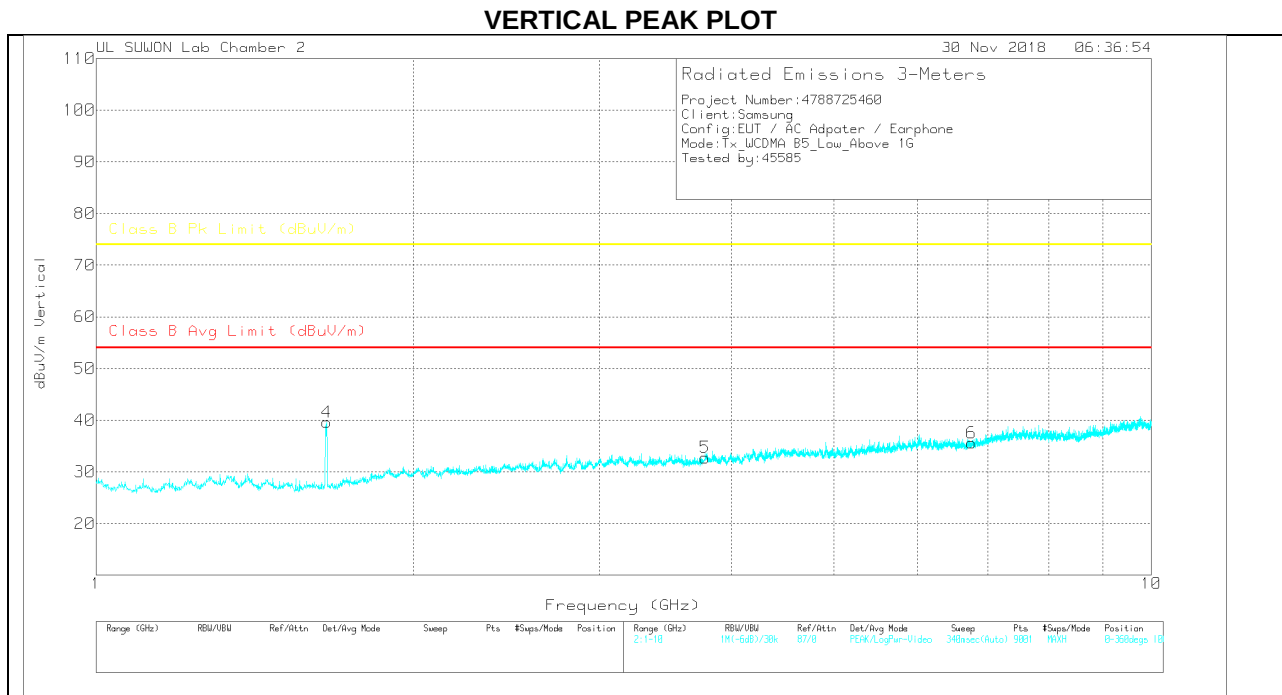
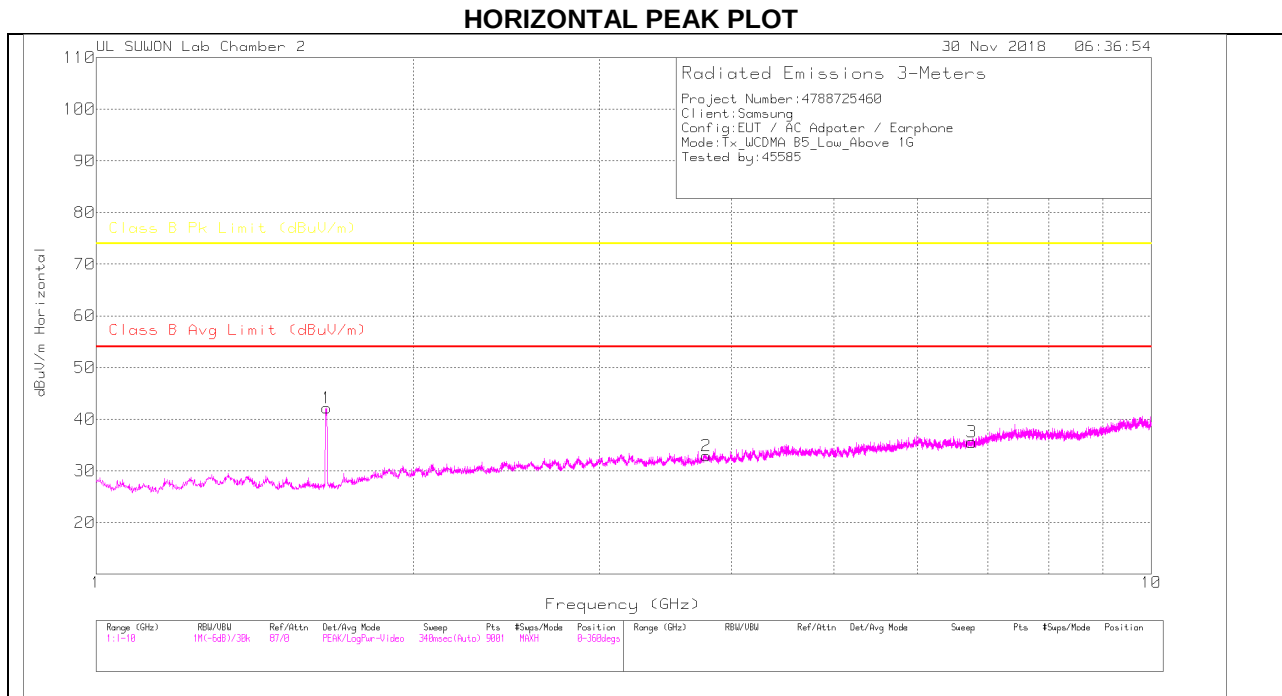
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	5117_00168724	1-18GHz(dB)	1GHz_HPF	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Av(CSPP)Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.697	60.66	PK	28.6	-31.3	.6	58.56	-	-	74	-15.44	0-360	100	H
2	2.546	30.82	PK	32	-30.2	.7	33.32	-	-	74	-40.68	0-360	200	H
3	6.693	26.57	PK	35.4	-26.4	.4	35.97	-	-	74	-38.03	0-360	100	H
4	1.697	57.67	PK	28.6	-31.3	.6	55.57	-	-	74	-18.43	0-360	100	V
5	2.546	32.5	PK	32	-30.2	.7	35	-	-	74	-39	0-360	100	V
6	6.671	26.76	PK	35.4	-26.6	.3	35.86	-	-	74	-38.14	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.

4.2. Above 1 GHz in the WCDMA Band 5

LOW CHANNEL(871.4MHz)



DATA

Trace Markers

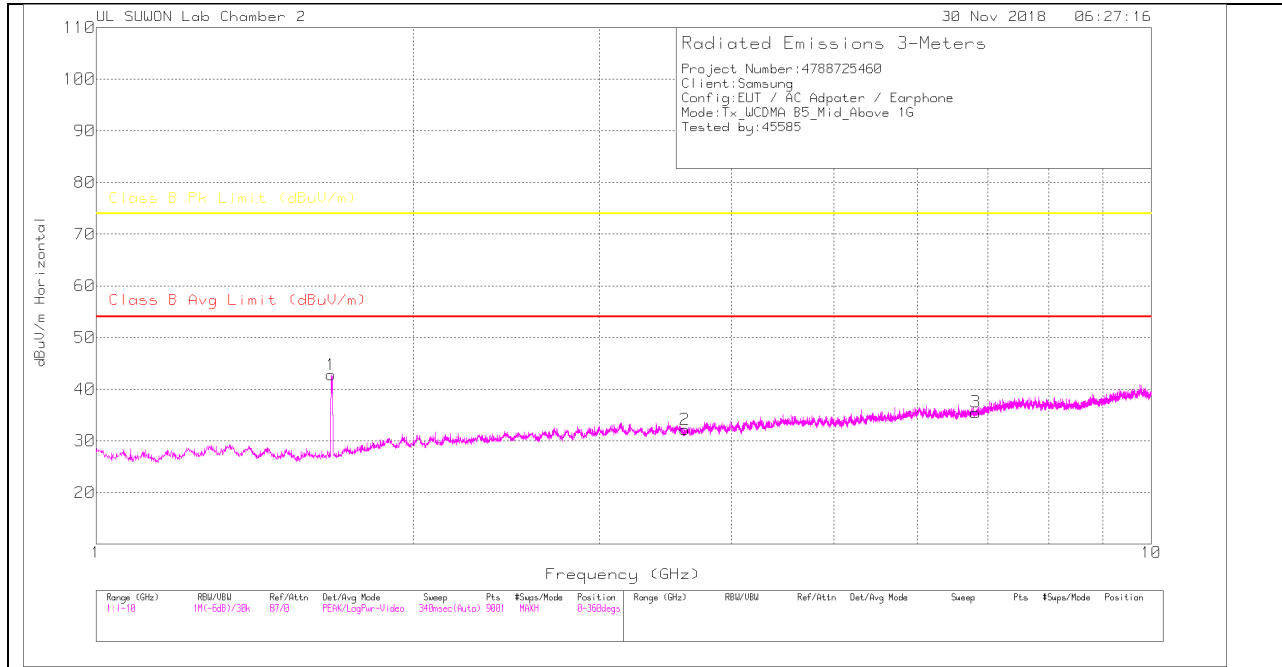
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	1-18GHz(dB)	1GHz_HPF	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Av(CSFR)Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.654	44.86	PK	28.3	-31.5	.5	42.16	-	-	74	-31.84	0-360	200	H
2	3.788	28.41	PK	33.2	-29.2	.5	32.91	-	-	74	-41.09	0-360	200	H
3	6.759	25.46	PK	35.5	-25.9	.5	35.56	-	-	74	-38.44	0-360	200	H
4	1.654	42.32	PK	28.3	-31.5	.5	39.62	-	-	74	-34.38	0-360	200	V
5	3.776	28.35	PK	33.2	-29.3	.5	32.75	-	-	74	-41.25	0-360	100	V
6	6.756	25.5	PK	35.5	-25.9	.5	35.6	-	-	74	-38.4	0-360	100	V

PK – Peak Detector

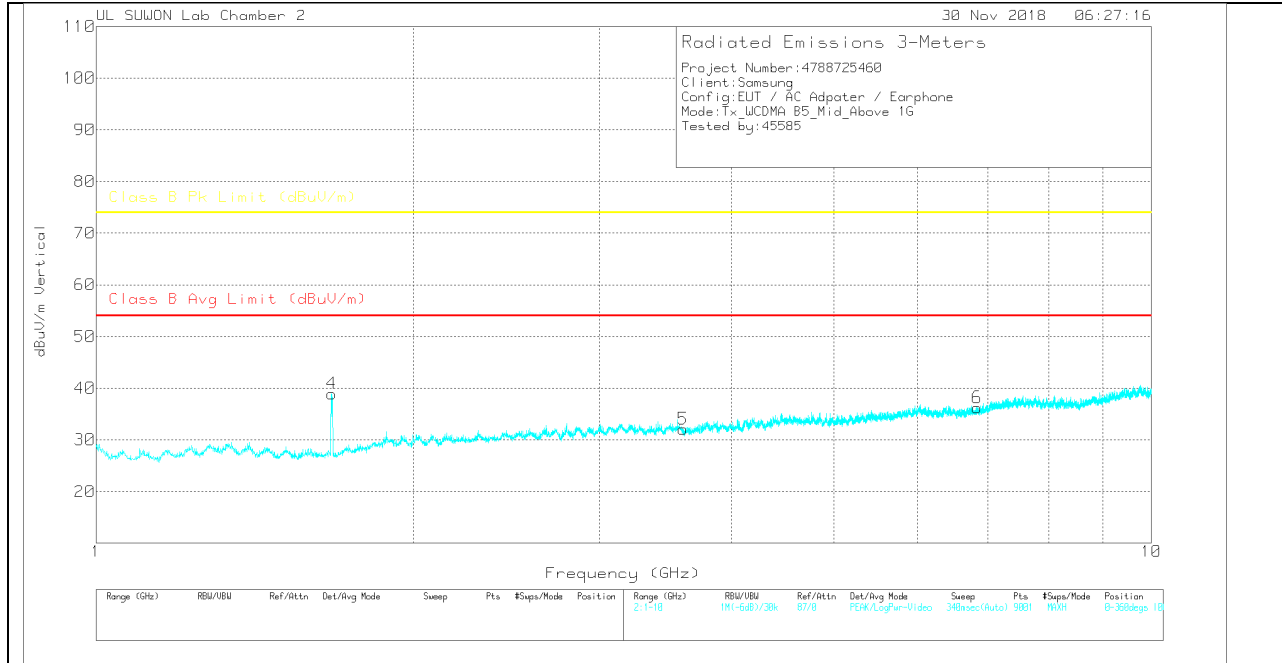
Note: Unwanted emissions on the harmonic frequency were generated from the call-simulator with the TX and RX signals.

MID CHANNEL(881.6MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

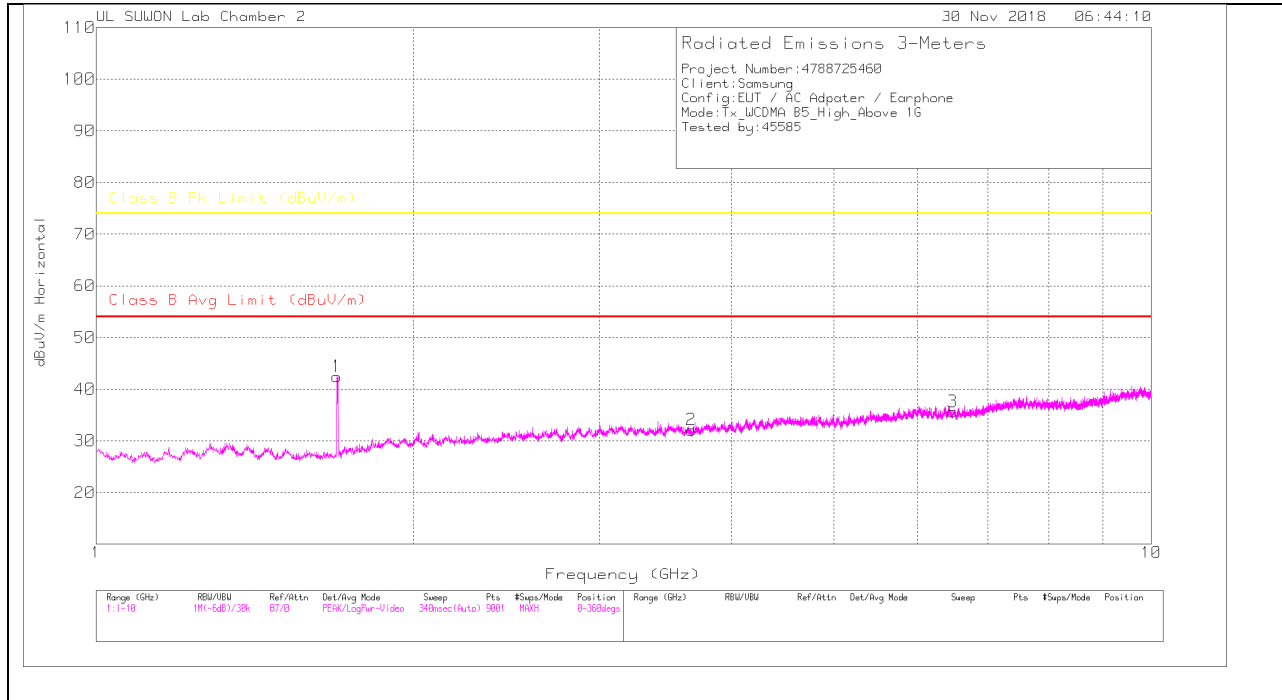
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	5117_00168724	1-18GHz(dB)	1GHz_HPF	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Av(CSPP)Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.671	45.17	PK	28.5	-31.4	.5	42.77	-	-	74	-31.23	0-360	200	H
2	3.615	28.27	PK	32.8	-29.4	.5	32.17	-	-	74	-41.83	0-360	100	H
3	6.815	25.34	PK	35.6	-25.8	.4	35.54	-	-	74	-38.46	0-360	200	H
4	1.672	41.25	PK	28.5	-31.3	.5	38.95	-	-	74	-35.05	0-360	200	V
5	3.601	28.29	PK	32.7	-29.3	.4	32.09	-	-	74	-41.91	0-360	100	V
6	6.842	26.13	PK	35.6	-25.9	.4	36.23	-	-	74	-37.77	0-360	100	V

PK – Peak Detector

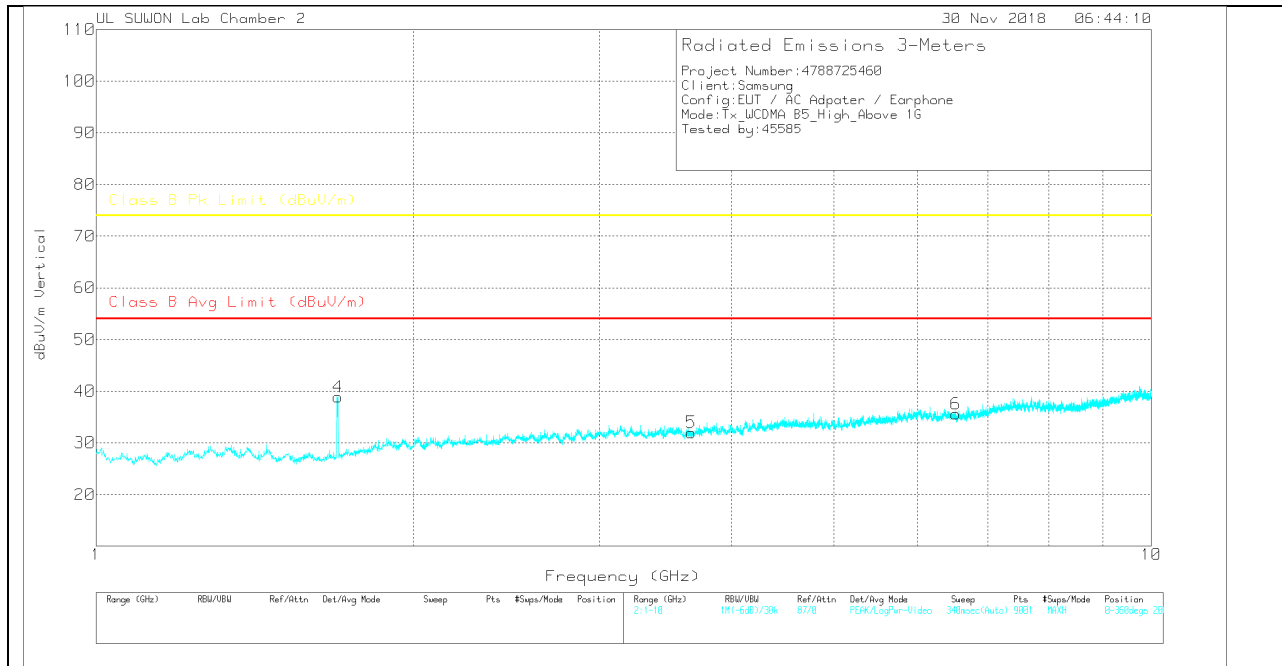
Note: Unwanted emissions on the harmonic frequency were generated from the call-simulator with the TX and RX signals.

HIGH CHANNEL(891.6MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	5117_00168724	1-18GHz(dB)	1GHz_HPF	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Av(CSPP)Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.691	44.45	PK	28.6	-31.2	.6	42.45	-	-	74	-31.55	0-360	200	H
2	3.665	28.23	PK	32.9	-29.6	.6	32.13	-	-	74	-41.87	0-360	100	H
3	6.486	26.45	PK	35.3	-26.5	.4	35.65	-	-	74	-38.35	0-360	200	H
4	1.695	40.96	PK	28.6	-31.3	.6	38.86	-	-	74	-35.14	0-360	200	V
5	3.663	28.18	PK	32.9	-29.7	.6	31.98	-	-	74	-42.02	0-360	200	V
6	6.525	26.61	PK	35.3	-26.7	.4	35.61	-	-	74	-38.39	0-360	200	V

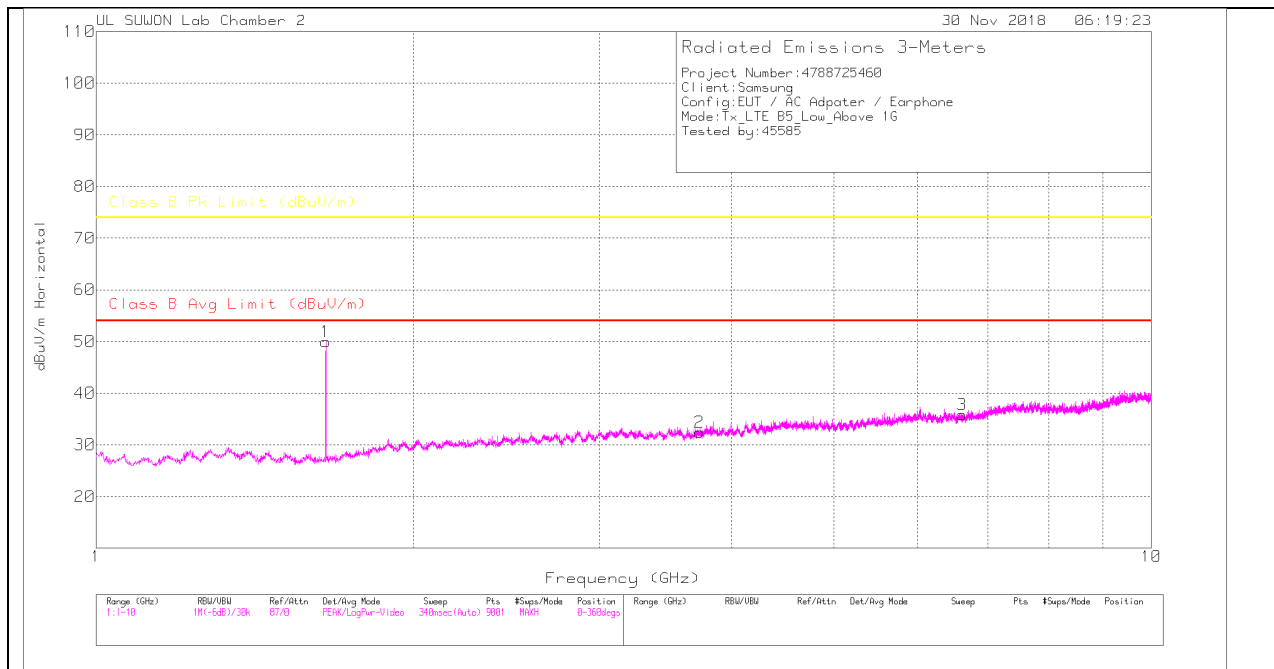
PK – Peak Detector

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

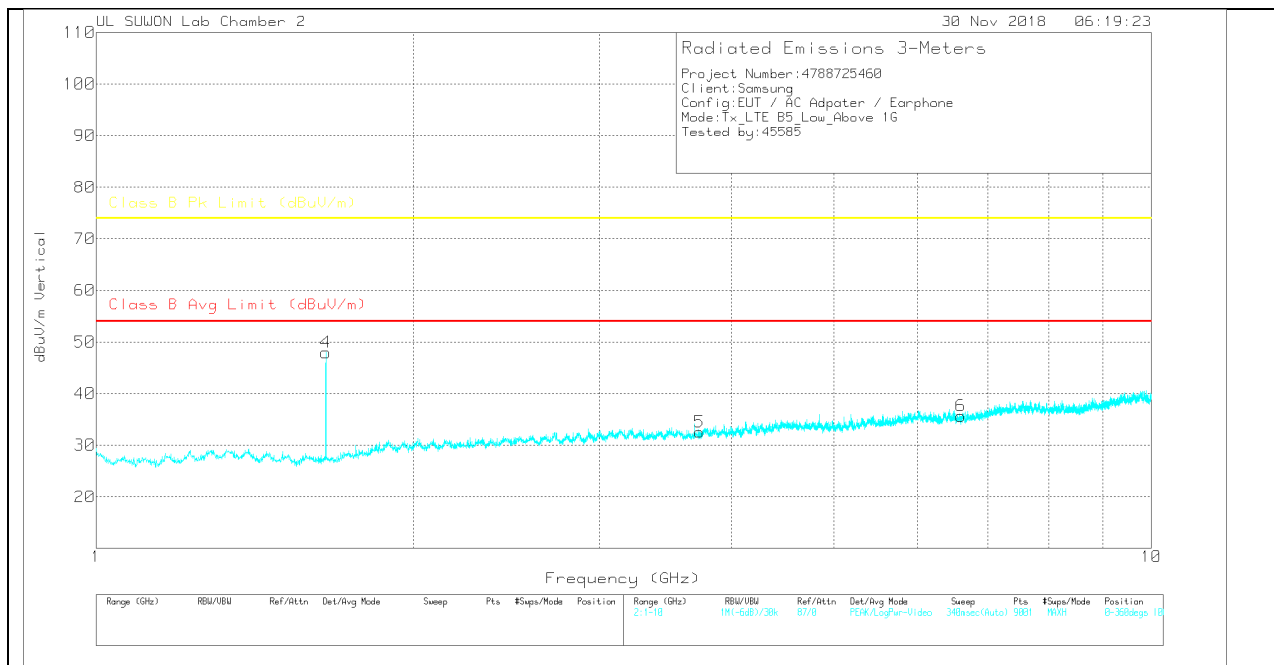
4.3. Above 1 GHz in the LTE Band 5

LOW CHANNEL(870.5MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

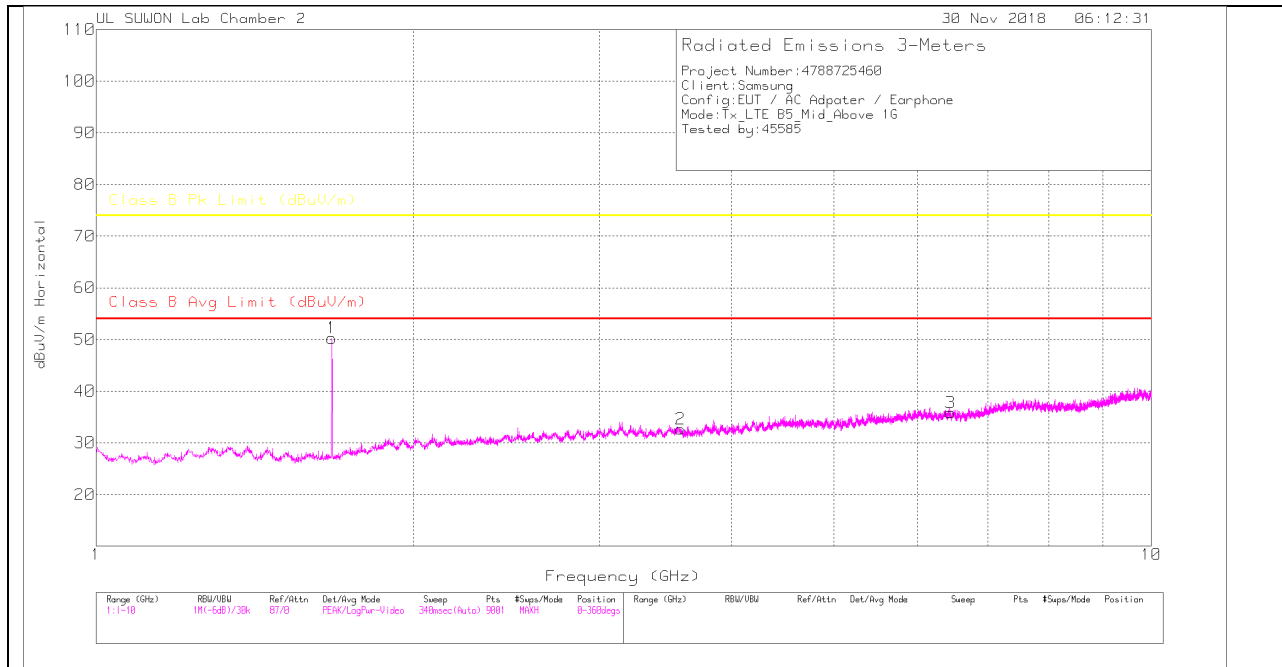
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	1-18GHz(dB)	1GHz_HPF	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Av(CSFR)Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.651	52.46	PK	28.3	-31.4	.6	49.96	-	-	74	-24.04	0-360	200	H
2	3.729	28.42	PK	33	-29.5	.5	32.42	-	-	74	-41.58	0-360	200	H
3	6.619	26.74	PK	35.4	-26.8	.5	35.84	-	-	74	-38.16	0-360	200	H
4	1.651	50.48	PK	28.3	-31.4	.6	47.98	-	-	74	-26.02	0-360	200	V
5	3.729	28.53	PK	33	-29.5	.5	32.53	-	-	74	-41.47	0-360	200	V
6	6.6	26.57	PK	35.3	-26.7	.5	35.67	-	-	74	-38.33	0-360	200	V

PK – Peak Detector

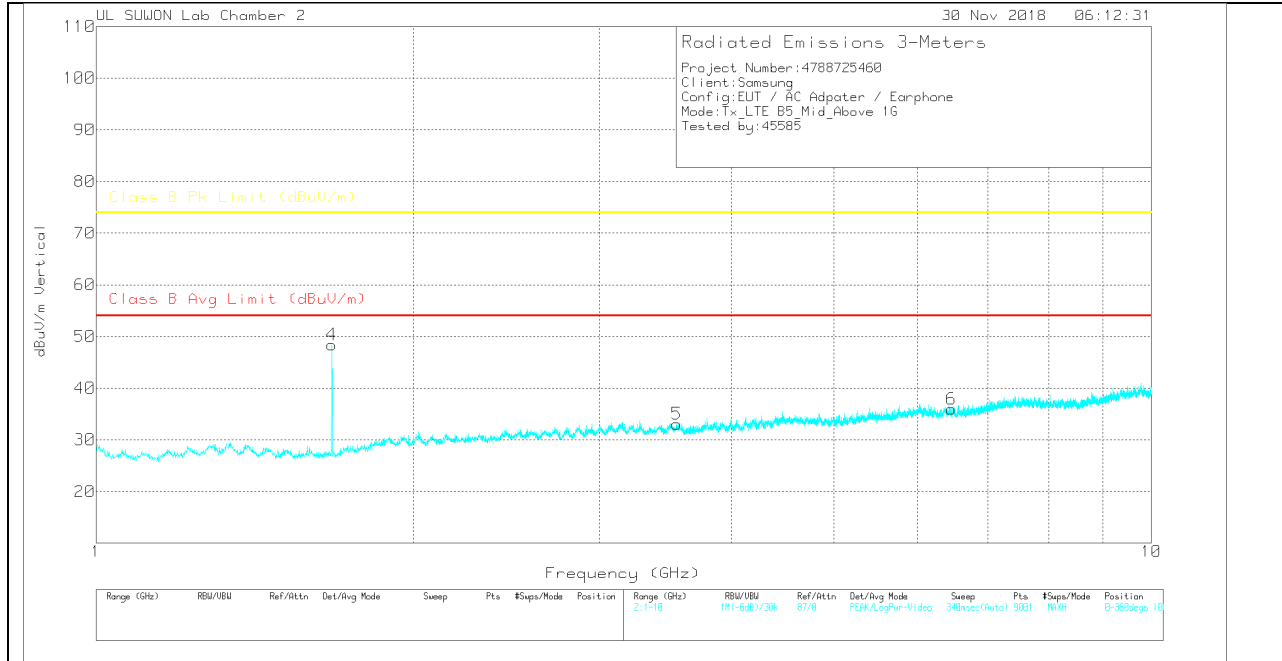
Note: Unwanted emissions on the harmonic frequency were generated from the call-simulator with the TX and RX signals.

MID CHANNEL(881.5MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

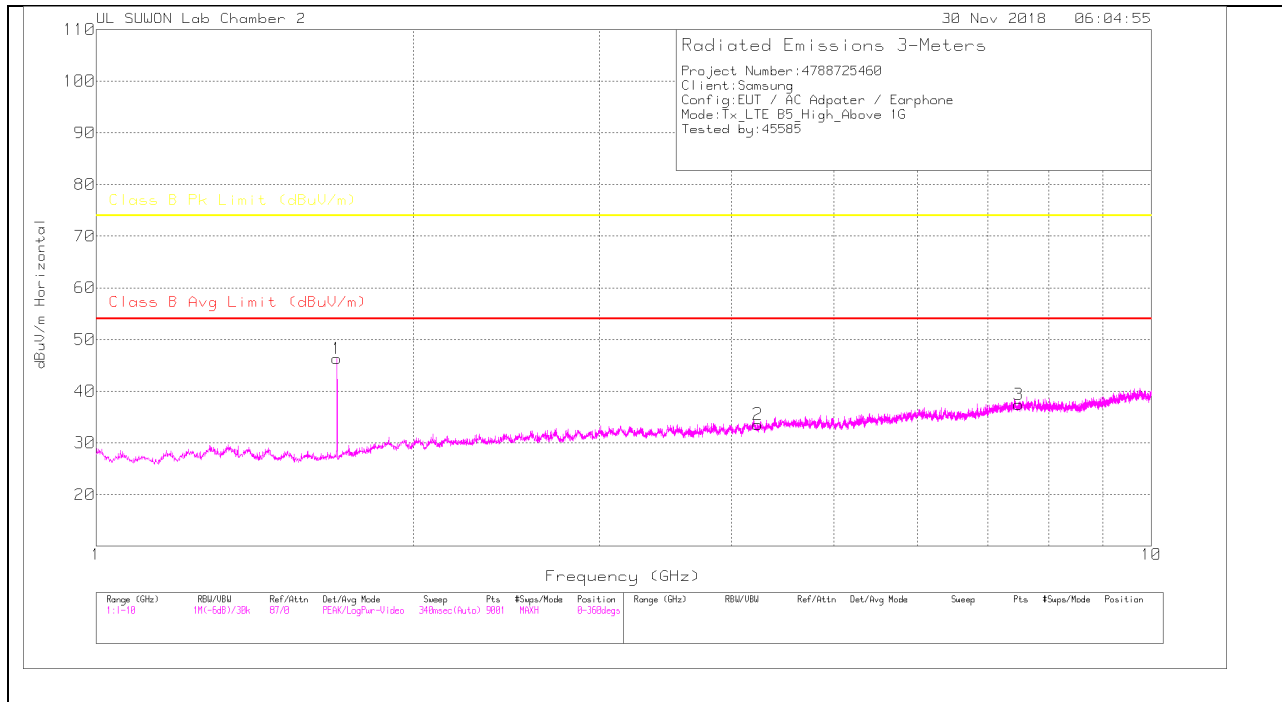
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	5117_00168724	1-18GHz(dB)	1GHz_HPF	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Av(CSPP)Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.673	52.58	PK	28.5	-31.3	.5	50.28	-	-	74	-23.72	0-360	200	H
2	3.579	28.75	PK	32.7	-29.3	.5	32.65	-	-	74	-41.35	0-360	200	H
3	6.452	26.75	PK	35.3	-26.6	.4	35.85	-	-	74	-38.15	0-360	200	H
4	1.673	50.72	PK	28.5	-31.3	.5	48.42	-	-	74	-25.58	0-360	200	V
5	3.551	28.88	PK	32.7	-29.1	.6	33.08	-	-	74	-40.92	0-360	200	V
6	6.463	26.85	PK	35.3	-26.6	.4	35.95	-	-	74	-38.05	0-360	100	V

PK – Peak Detector

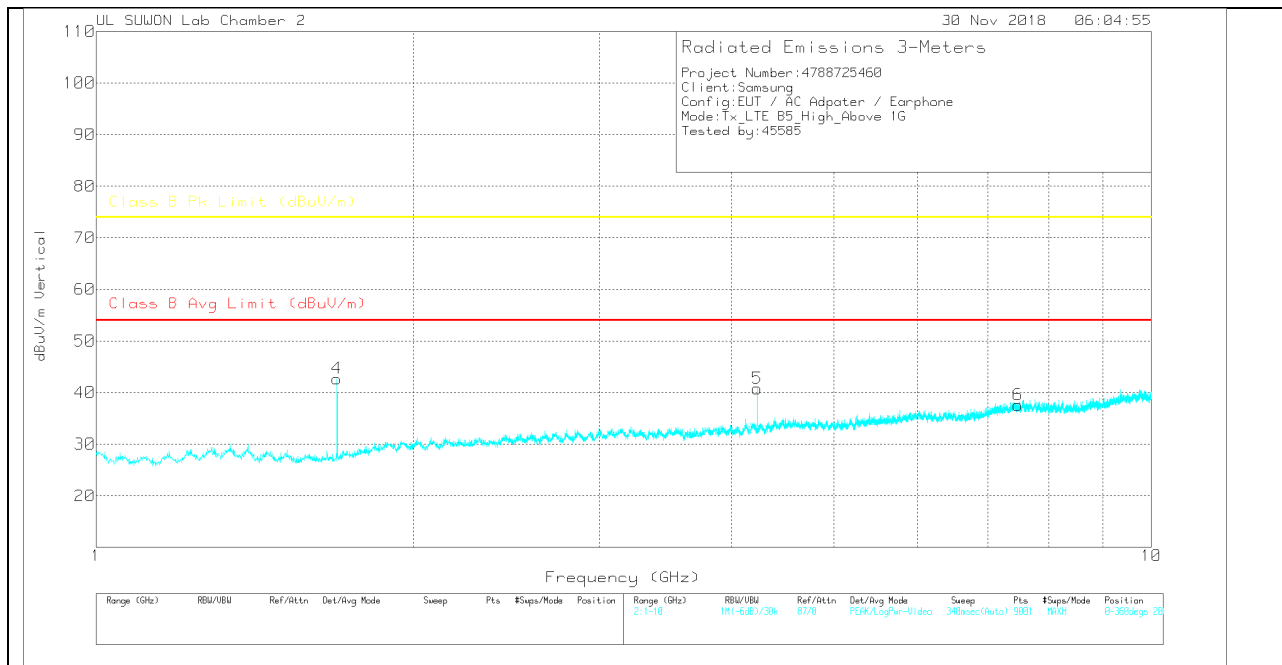
Note: Unwanted emissions on the harmonic frequency were generated from the call-simulator with the TX and RX signals.

HIGH CHANNEL(892.5MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	5117_00168724	1-18GHz(dB)	1GHz_HPF	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Av(CSPP)Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.692	48.41	PK	28.6	-31.3	.6	46.31	-	-	74	-27.69	0-360	200	H
2	4.238	28.26	PK	33.4	-28.5	.4	33.56	-	-	74	-40.44	0-360	200	H
3	7.484	25.94	PK	36.1	-24.9	.3	37.44	-	-	74	-36.56	0-360	200	H
4	1.692	44.82	PK	28.6	-31.3	.6	42.72	-	-	74	-31.28	0-360	200	V
5	4.231	35.3	PK	33.4	-28.3	.4	40.8	-	-	74	-33.2	0-360	100	V
6	7.473	26.02	PK	36.2	-24.9	.3	37.62	-	-	74	-36.38	0-360	200	V

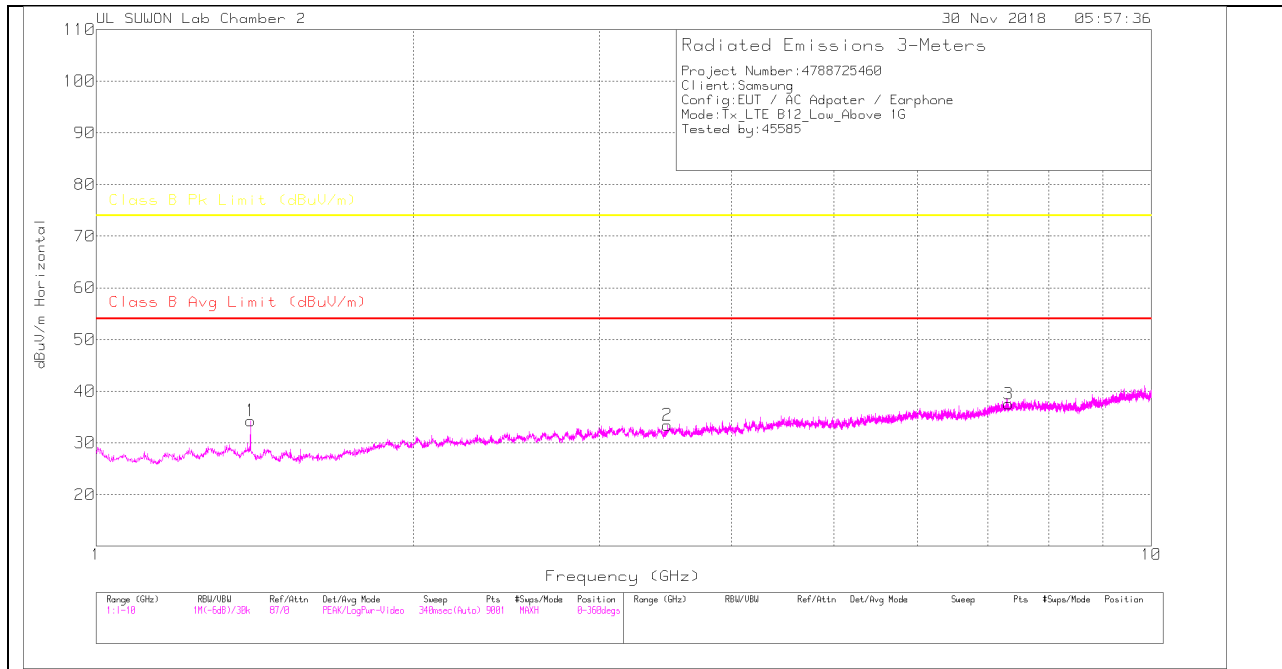
PK – Peak Detector

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

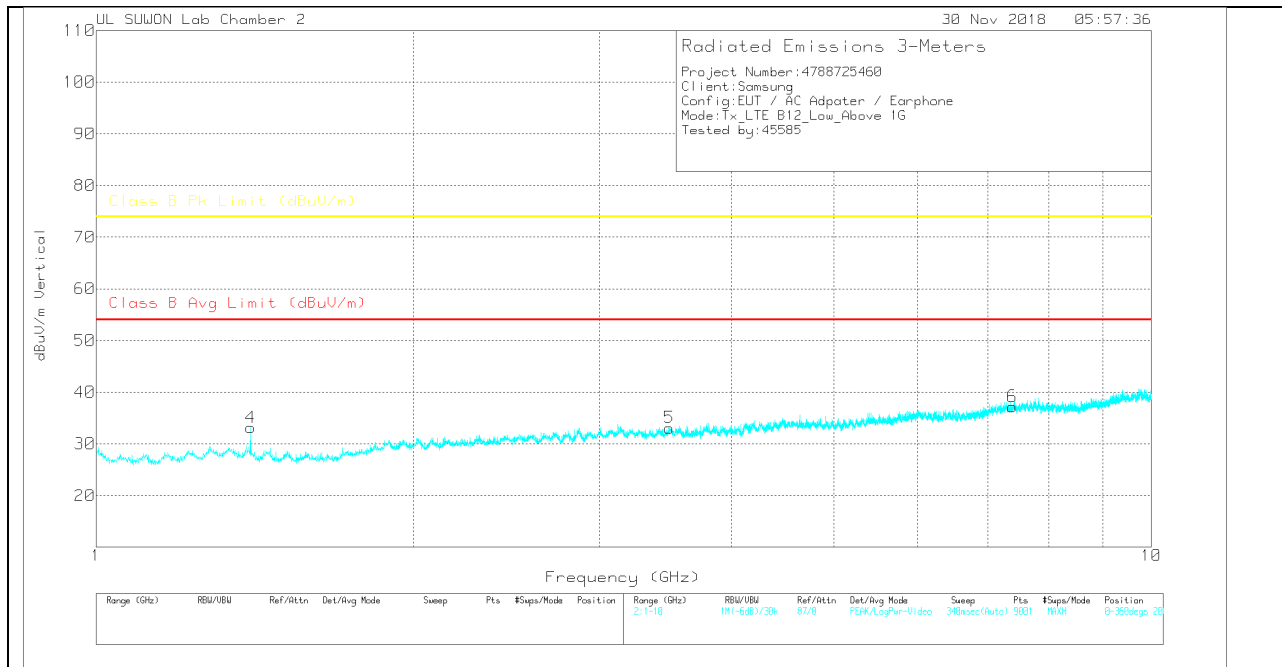
4.4. Above 1 GHz in the LTE Band 12

LOW CHANNEL(730.5MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

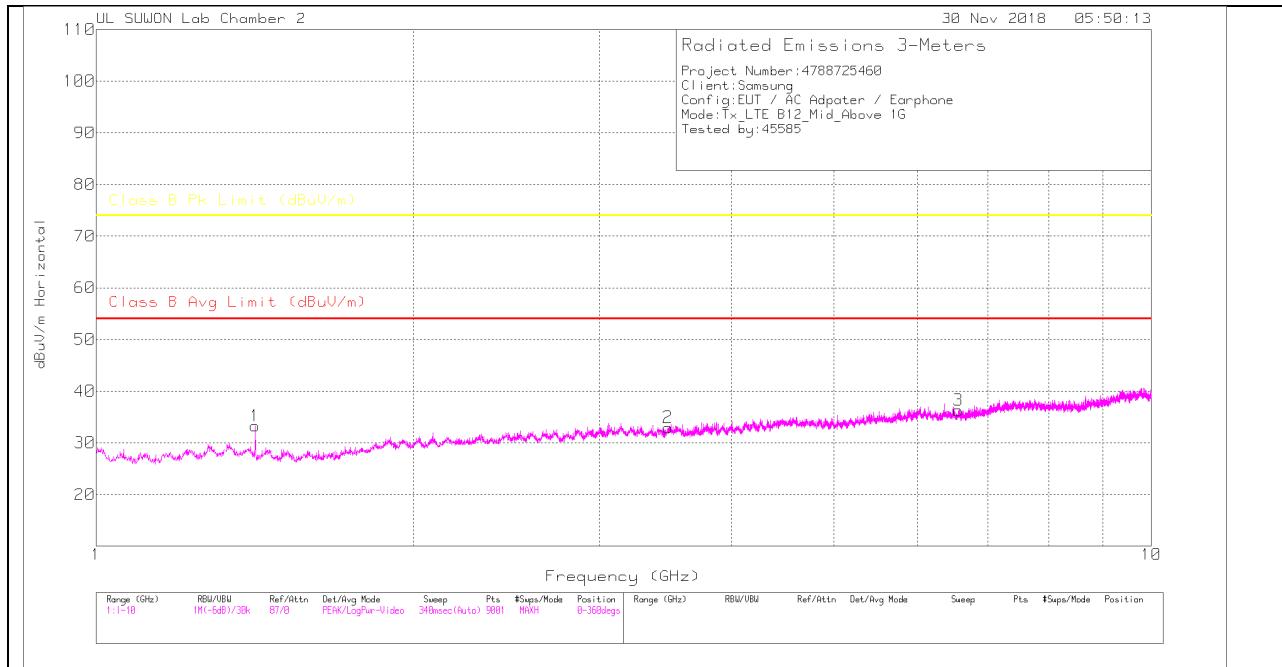
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	5117_00168724	1-18GHz(dB)	1GHz_HPF	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Av(CSPP)/Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.401	36	PK	29.4	-31.7	.6	34.3	-	-	74	-39.7	0-360	100	H
2	3.477	29.26	PK	32.7	-29	.5	33.46	-	-	74	-40.54	0-360	200	H
3	7.322	26.72	PK	36.2	-25.8	.4	37.52	-	-	74	-36.48	0-360	200	H
4	1.401	34.87	PK	29.4	-31.7	.6	33.17	-	-	74	-40.83	0-360	200	V
5	3.492	28.81	PK	32.7	-28.9	.5	33.11	-	-	74	-40.89	0-360	100	V
6	7.388	25.91	PK	36.2	-25.5	.6	37.21	-	-	74	-36.79	0-360	100	V

PK – Peak Detector

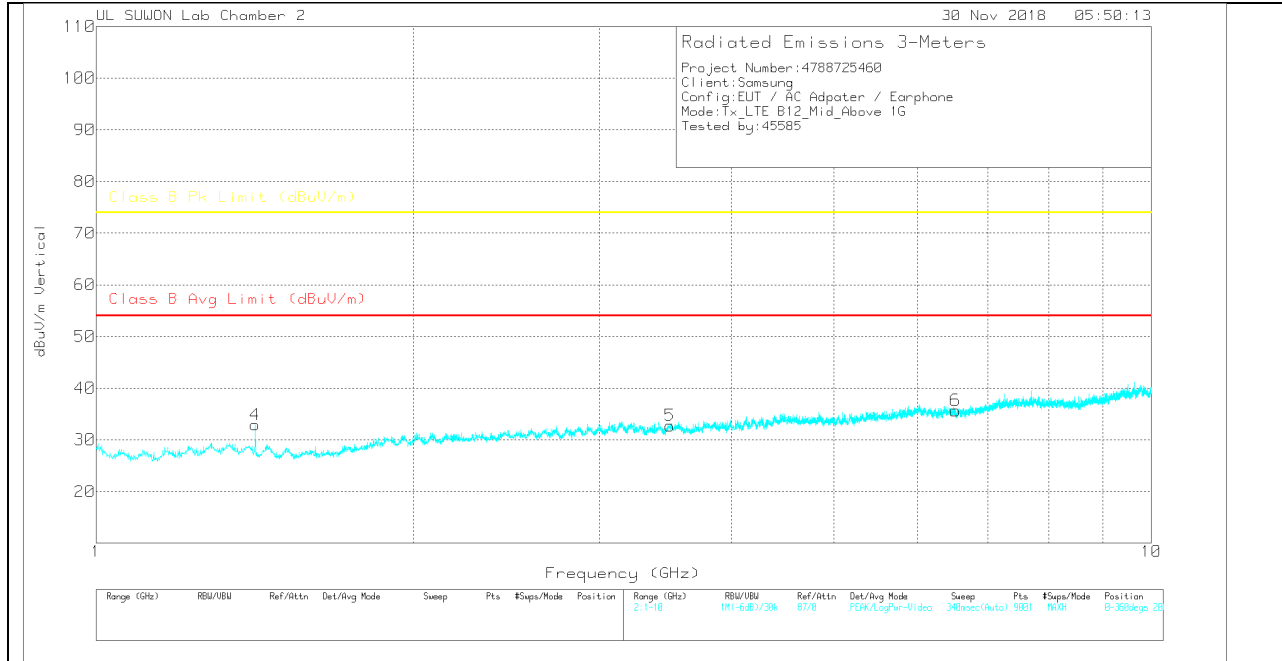
Note: Unwanted emissions on the harmonic frequency were generated from the call-simulator with the TX and RX signals.

MID CHANNEL(737.5MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

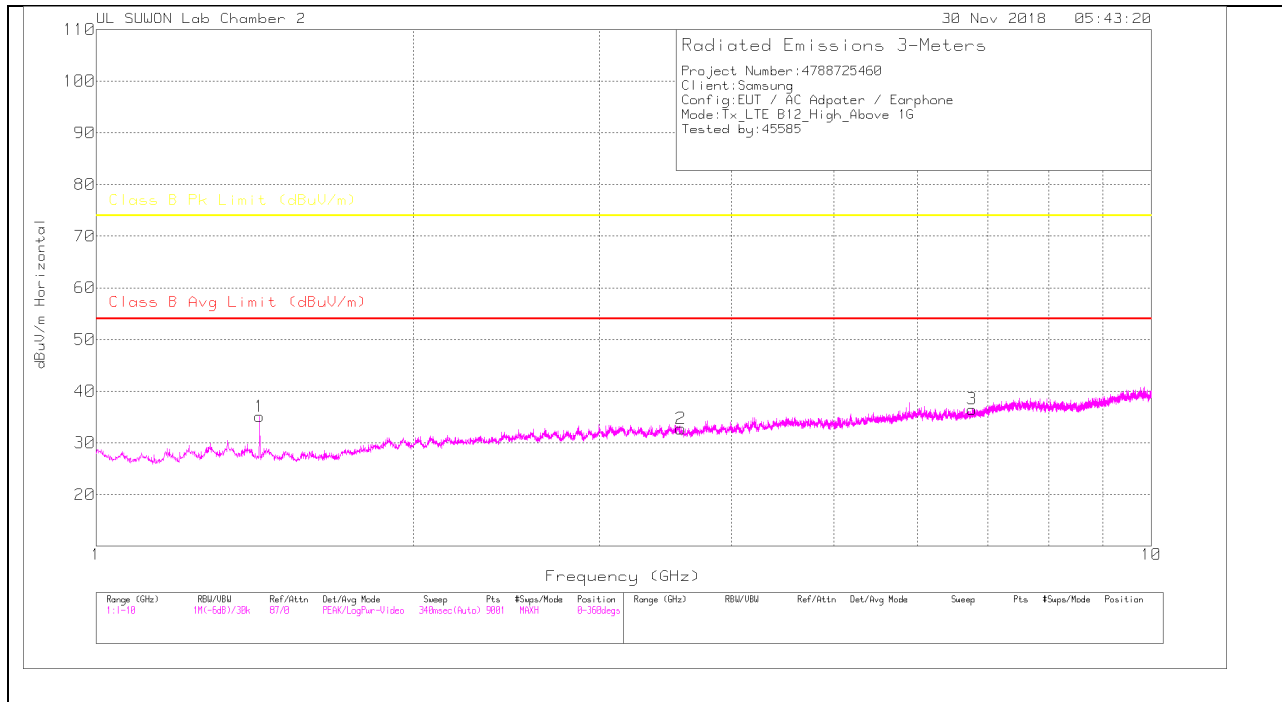
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	5117_00168724	1-18GHz(dB)	1GHz_HPF	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Av(CSPP)Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.415	35.18	PK	29.3	-31.8	.6	33.28	-	-	74	-40.72	0-360	200	H
2	3.482	28.67	PK	32.7	-28.9	.5	32.97	-	-	74	-41.03	0-360	100	H
3	6.566	27.28	PK	35.3	-26.7	.4	36.28	-	-	74	-37.72	0-360	100	H
4	1.415	34.83	PK	29.3	-31.8	.6	32.93	-	-	74	-41.07	0-360	100	V
5	3.498	28.45	PK	32.7	-29	.6	32.75	-	-	74	-41.25	0-360	200	V
6	6.523	26.57	PK	35.3	-26.6	.4	35.67	-	-	74	-38.33	0-360	100	V

PK – Peak Detector

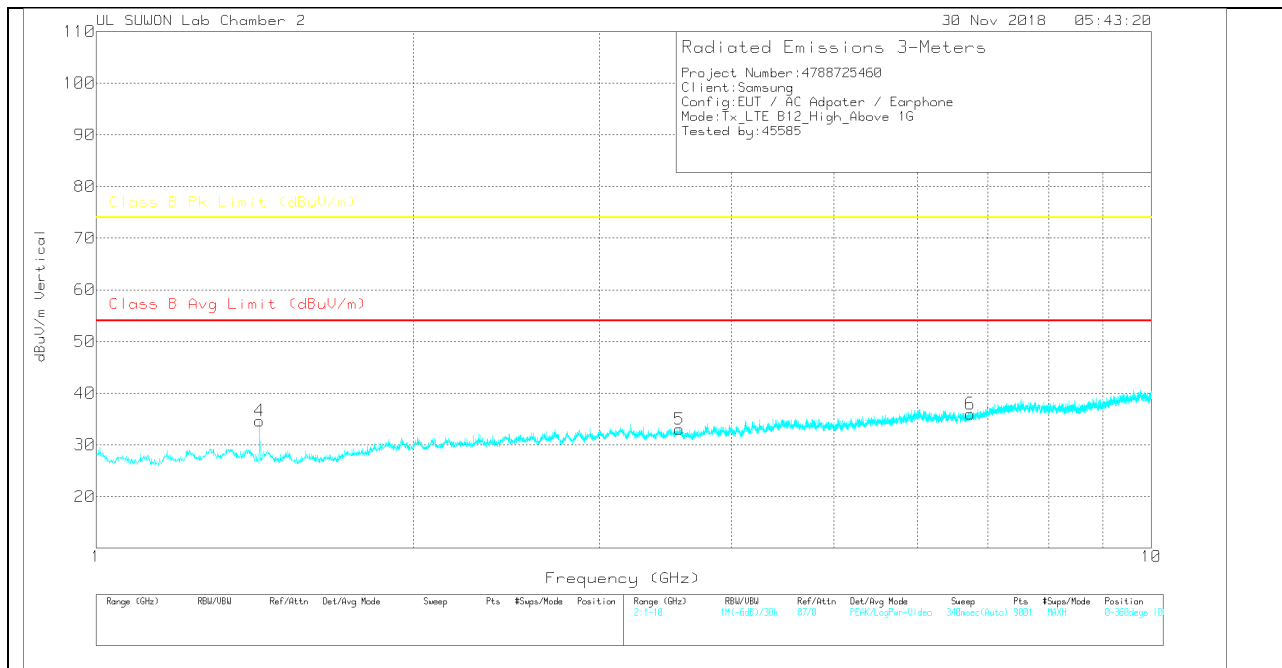
Note: Unwanted emissions on the harmonic frequency were generated from the call-simulator with the TX and RX signals.

HIGH CHANNEL(744.5MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	5117_00168724	1-18GHz(dB)	1GHz_HPF	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Av(CSPR)/Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.429	37.12	PK	29.2	-31.8	.6	35.12	-	-	74	-38.88	0-360	100	H
2	3.583	28.77	PK	32.7	-29.2	.5	32.77	-	-	74	-41.23	0-360	100	H
3	6.761	26.42	PK	35.5	-25.9	.5	36.52	-	-	74	-37.48	0-360	100	H
4	1.429	36.66	PK	29.2	-31.8	.6	34.66	-	-	74	-39.34	0-360	200	V
5	3.57	29.02	PK	32.7	-29.2	.5	33.02	-	-	74	-40.98	0-360	200	V
6	6.74	26	PK	35.5	-26	.5	36	-	-	74	-38	0-360	100	V

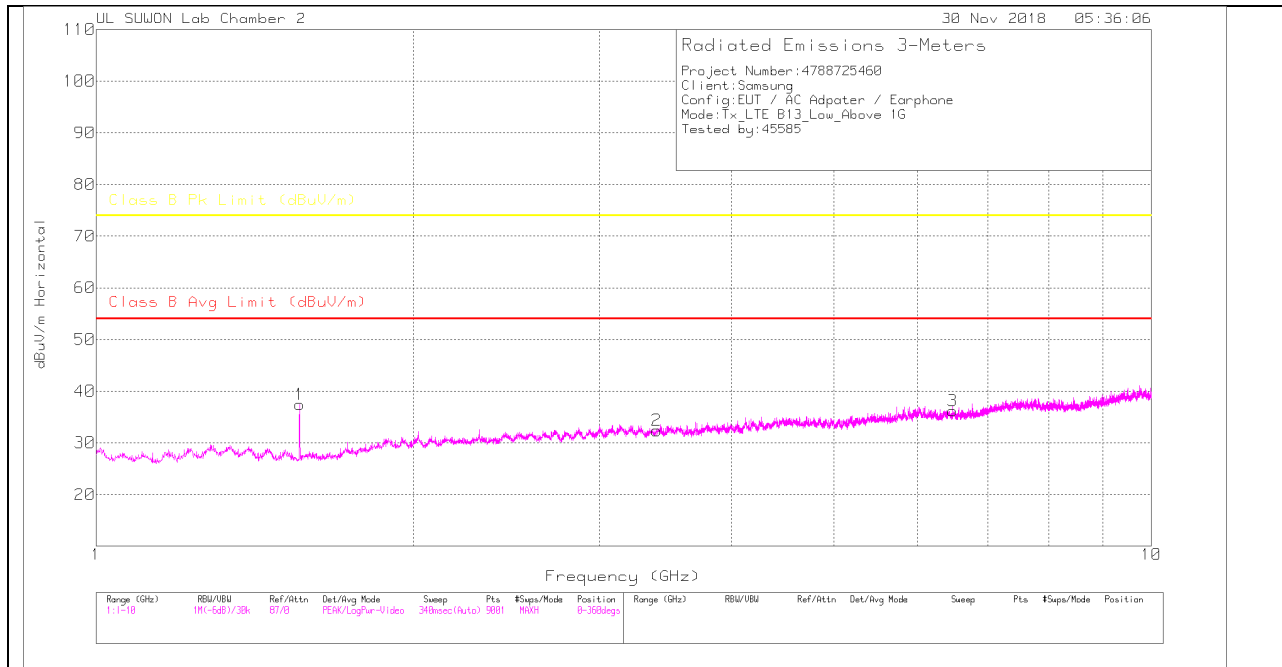
PK – Peak Detector

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

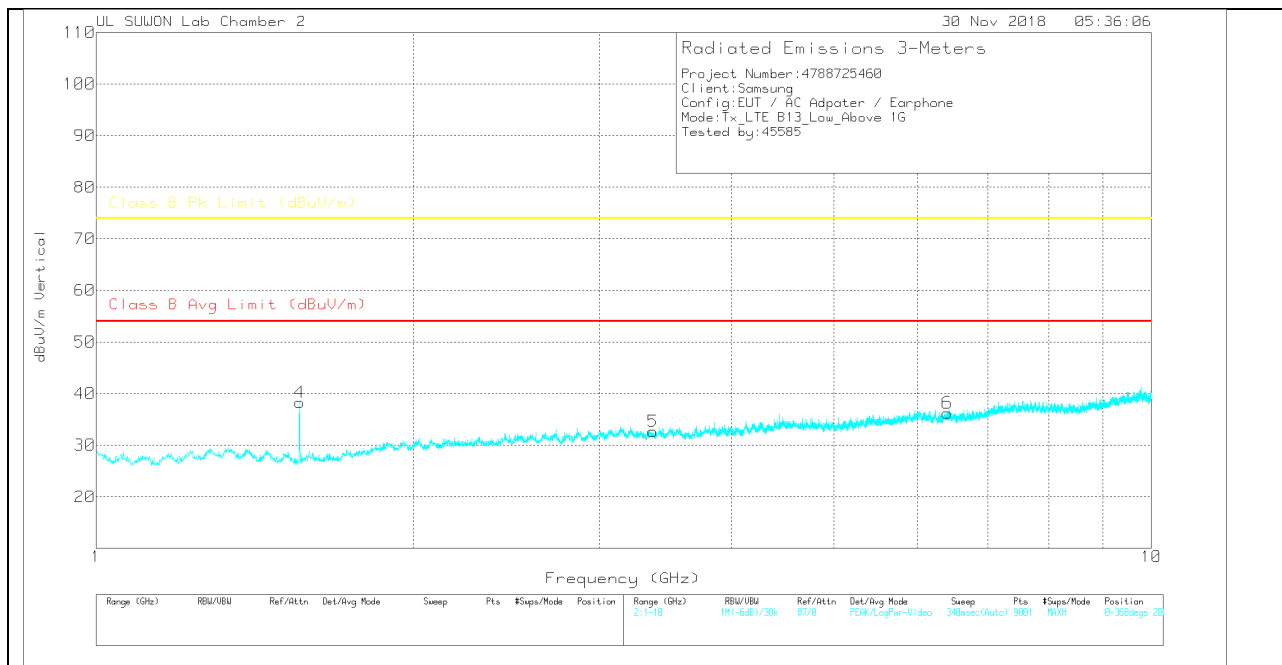
4.5. Above 1 GHz in the LTE Band 13

LOW CHANNEL(748.5MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

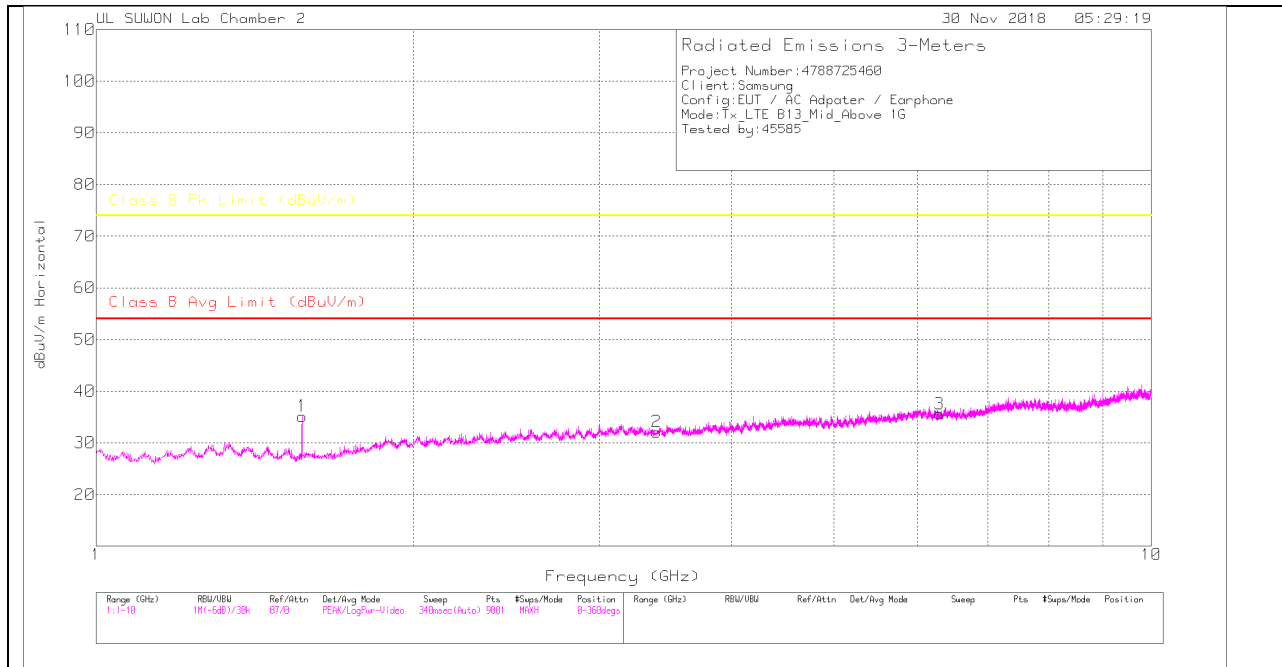
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	3117_00168724	1-18GHz(dB)	1GHz_HPF	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Av(CSFR)Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.559	39.91	PK	28.3	-31.4	.6	37.41	-	-	74	-36.59	0-360	100	H
2	3.398	28.6	PK	32.6	-29.5	.7	32.4	-	-	74	-41.6	0-360	100	H
3	6.486	26.98	PK	35.3	-26.5	.4	36.18	-	-	74	-37.82	0-360	200	H
4	1.559	40.77	PK	28.3	-31.4	.6	38.27	-	-	74	-35.73	0-360	200	V
5	3.37	29.27	PK	32.6	-29.8	.6	32.67	-	-	74	-41.33	0-360	200	V
6	6.408	27.16	PK	35.2	-26.6	.5	36.26	-	-	74	-37.74	0-360	100	V

PK – Peak Detector

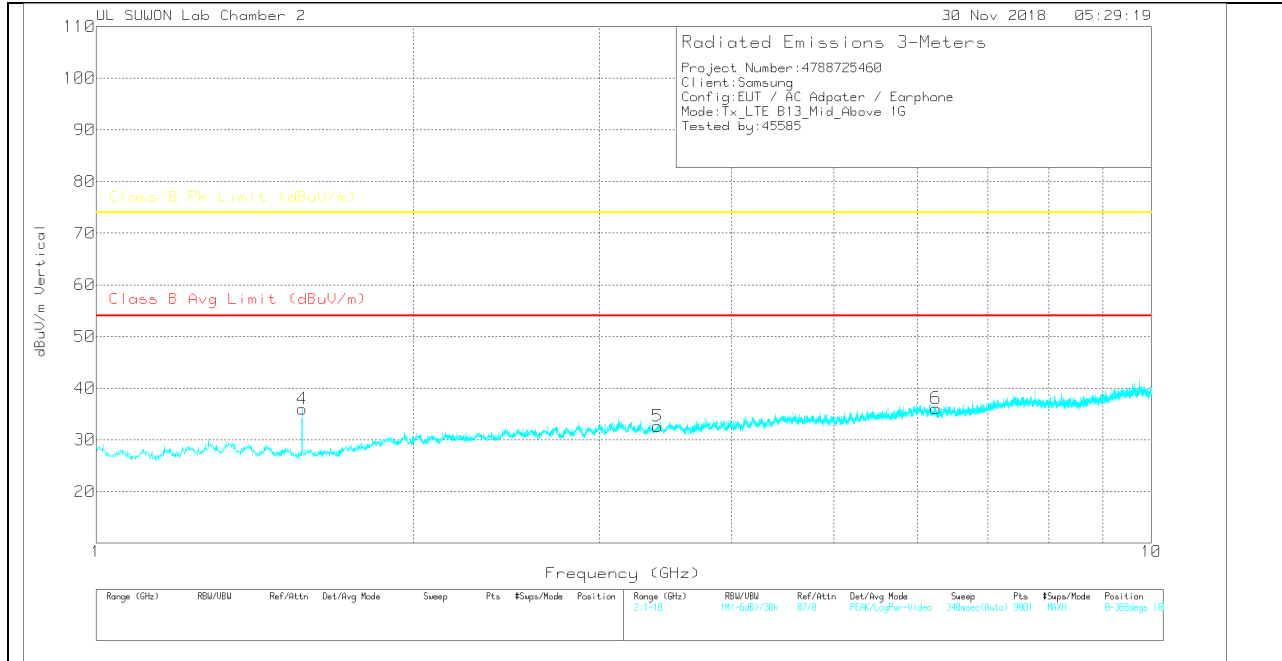
Note: Unwanted emissions on the harmonic frequency were generated from the call-simulator with the TX and RX signals.

MID CHANNEL(751.0MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

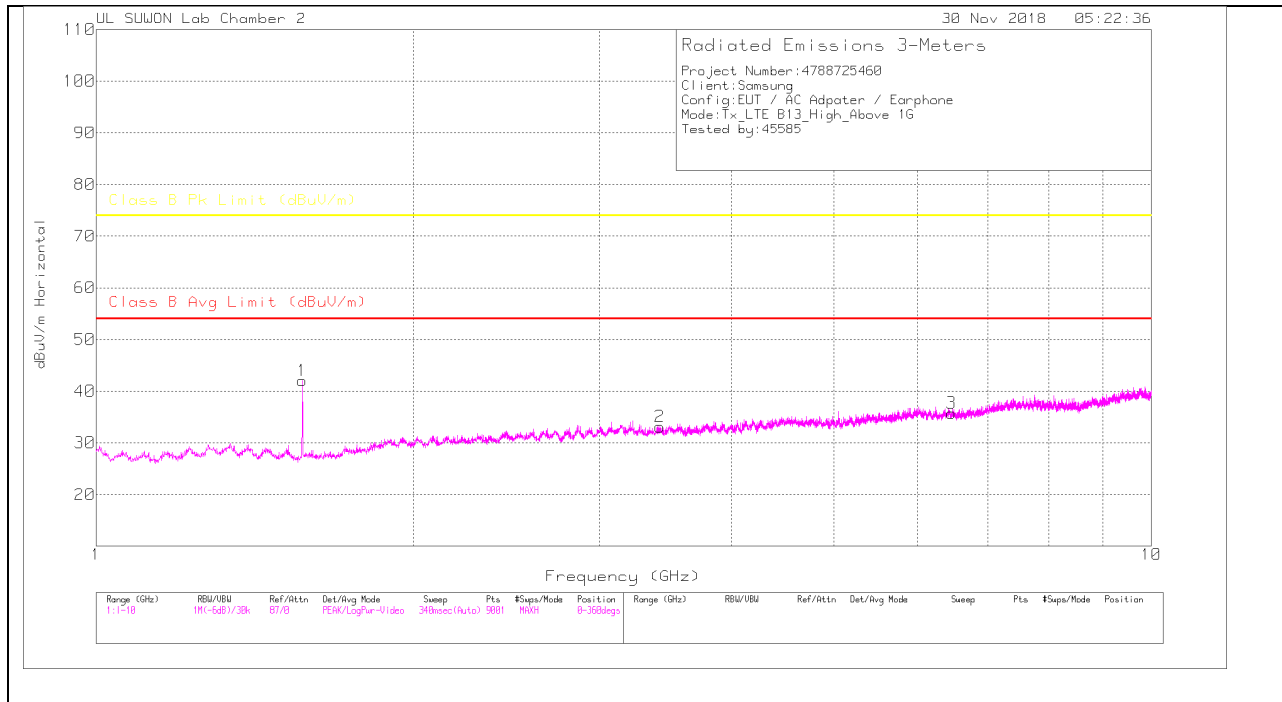
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	5117_00168724	1-18GHz(dB)	1GHz_HPF	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Av(CSPP)Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.568	37.64	PK	28.3	-31.4	.6	35.14	-	-	74	-38.86	0-360	200	H
2	3.397	28.34	PK	32.6	-29.5	.7	32.14	-	-	74	-41.86	0-360	200	H
3	6.299	27.17	PK	35.2	-27.1	.3	35.57	-	-	74	-38.43	0-360	100	H
4	1.568	38.5	PK	28.3	-31.4	.6	36	-	-	74	-38	0-360	200	V
5	3.405	28.84	PK	32.6	-29.5	.7	32.64	-	-	74	-41.36	0-360	200	V
6	6.251	27.54	PK	35.2	-27.1	.5	36.14	-	-	74	-37.86	0-360	100	V

PK – Peak Detector

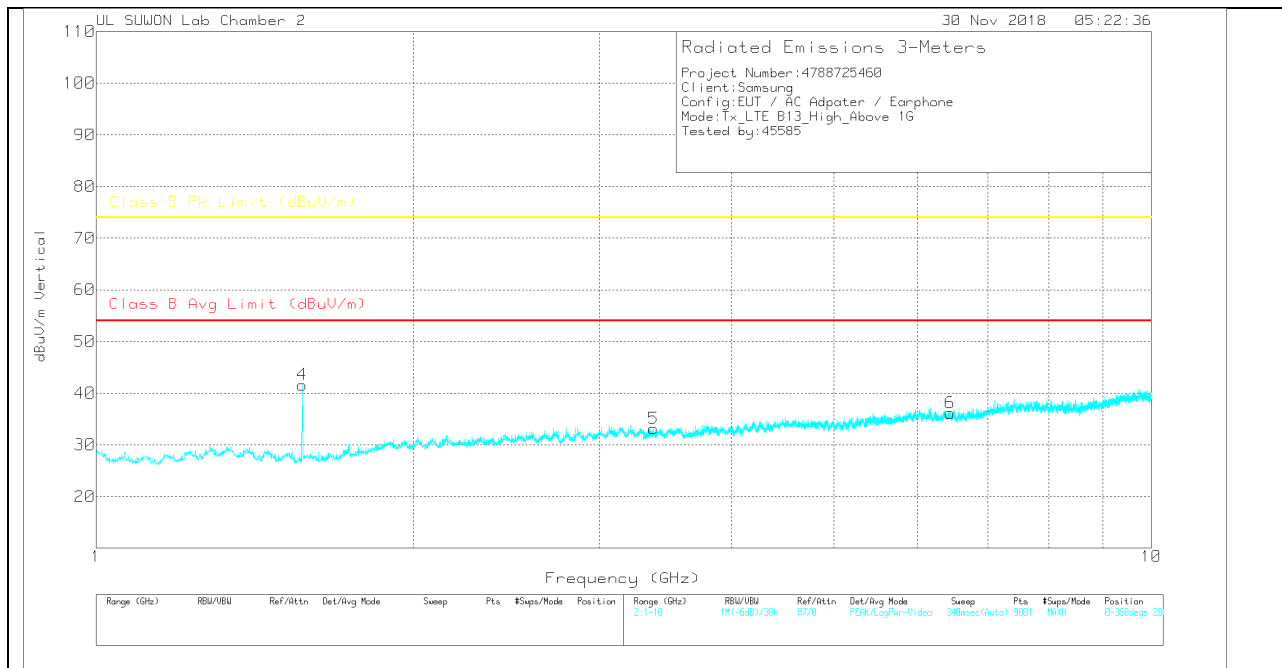
Note: Unwanted emissions on the harmonic frequency were generated from the call-simulator with the TX and RX signals.

HIGH CHANNEL(753.5MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	5117_00168724	1-18GHz(dB)	1GHz_HPF	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Av(CSPP)Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.569	44.64	PK	28.3	-31.5	.6	42.04	-	-	74	-31.96	0-360	100	H
2	3.42	29.13	PK	32.6	-29.2	.6	33.13	-	-	74	-40.87	0-360	200	H
3	6.466	26.67	PK	35.3	-26.6	.4	35.77	-	-	74	-38.23	0-360	100	H
4	1.569	44.23	PK	28.3	-31.5	.6	41.63	-	-	74	-32.37	0-360	200	V
5	3.377	29.64	PK	32.6	-29.7	.6	33.14	-	-	74	-40.86	0-360	100	V
6	6.45	27.07	PK	35.3	-26.6	.4	36.17	-	-	74	-37.83	0-360	200	V

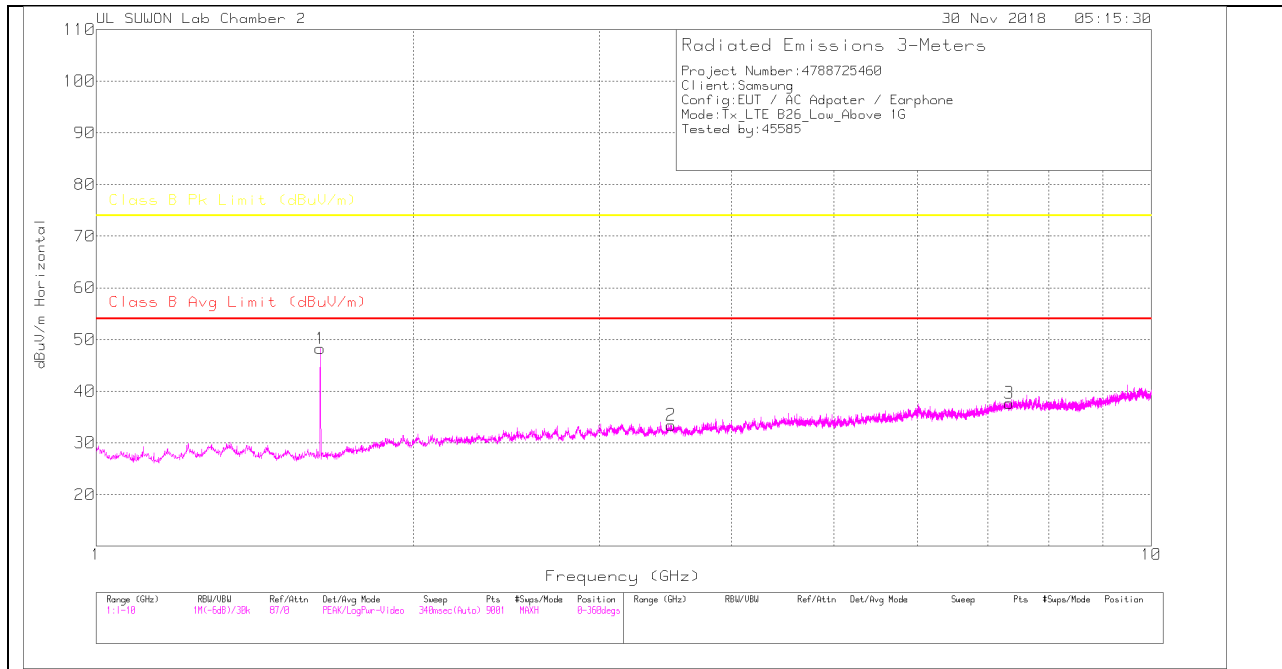
PK – Peak Detector

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

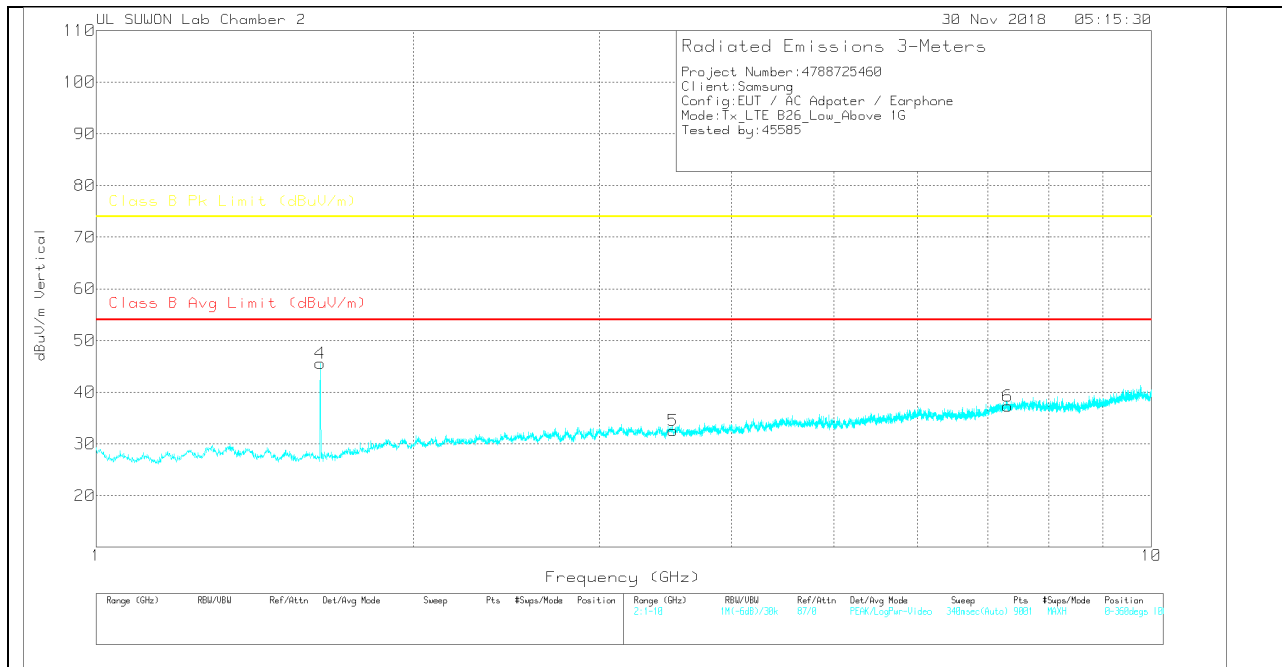
4.6. Above 1 GHz in the LTE Band 26

LOW CHANNEL(860.5MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

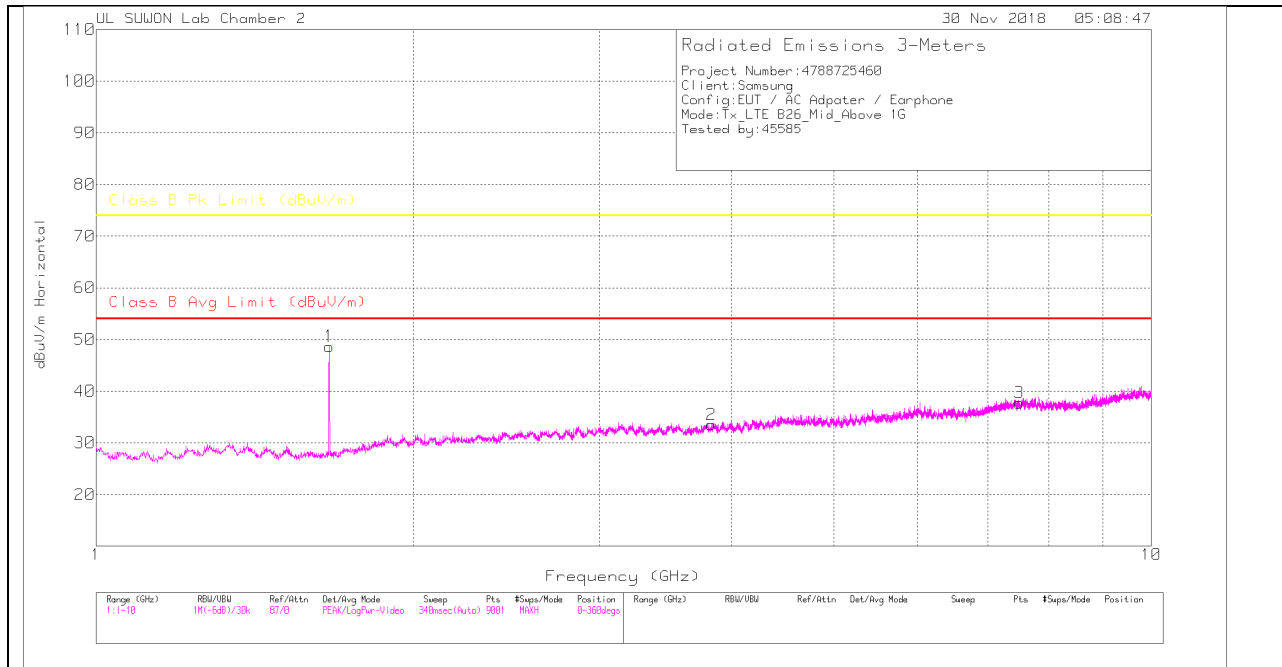
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	5117_00168724	1-18GHz(dB)	1GHz_HPF	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Av(CSPP)Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.631	50.63	PK	28.3	-31.4	.7	48.23	-	-	74	-25.77	0-360	200	H
2	3.507	29.14	PK	32.7	-29	.6	33.44	-	-	74	-40.56	0-360	100	H
3	7.338	26.9	PK	36.2	-25.8	.4	37.7	-	-	74	-36.3	0-360	100	H
4	1.631	47.97	PK	28.3	-31.4	.7	45.57	-	-	74	-28.43	0-360	200	V
5	3.522	28.24	PK	32.7	-29	.6	32.54	-	-	74	-41.46	0-360	100	V
6	7.31	26.49	PK	36.2	-25.8	.4	37.29	-	-	74	-36.71	0-360	100	V

PK – Peak Detector

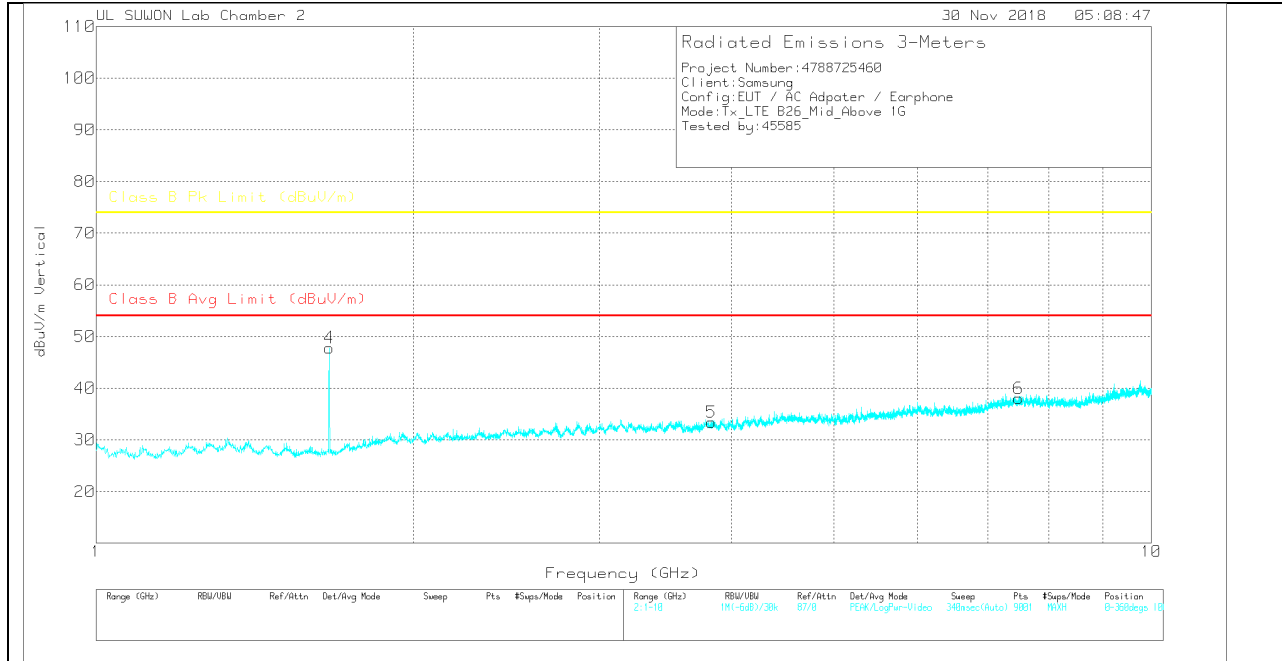
Note: Unwanted emissions on the harmonic frequency were generated from the call-simulator with the TX and RX signals.

MID CHANNEL(876.5MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

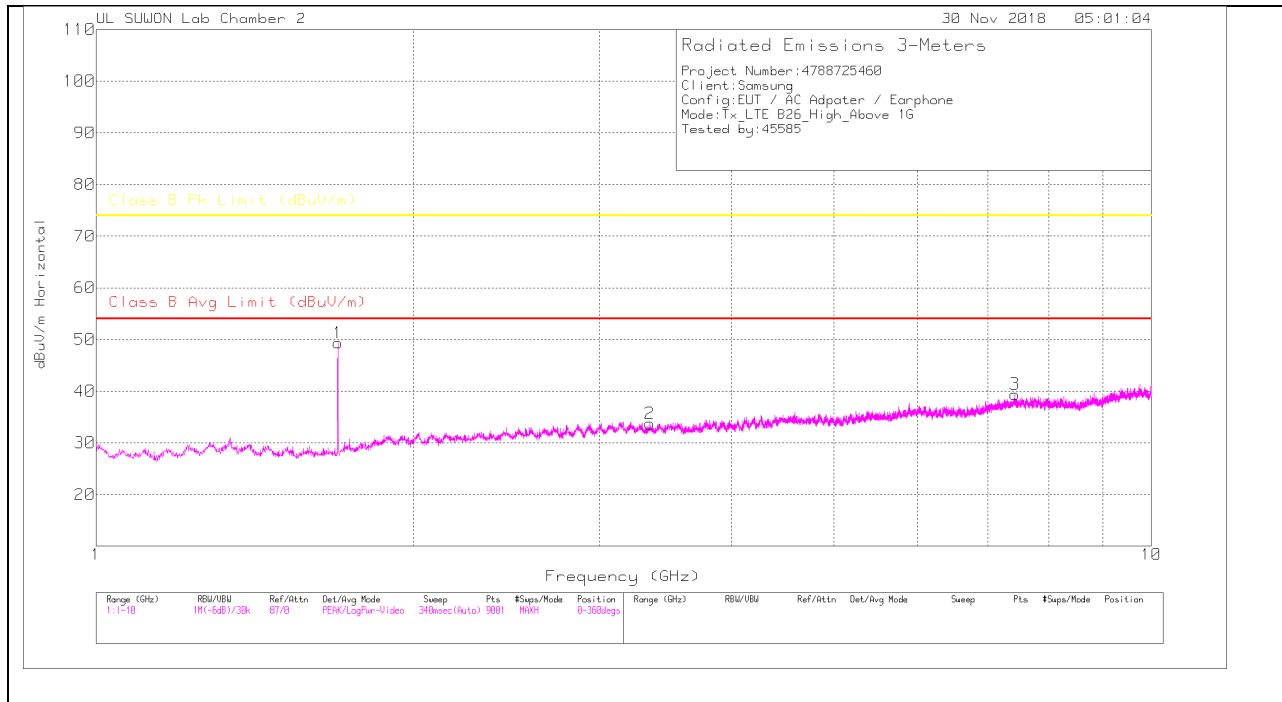
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	5117_00168724	1-18GHz(dB)	1GHz_HPF	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Av(CSPP)Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.663	51.16	PK	28.4	-31.4	.5	48.66	-	-	74	-25.34	0-360	200	H
2	3.831	28.83	PK	33.3	-29.1	.5	33.53	-	-	74	-40.47	0-360	100	H
3	7.5	26.25	PK	36.1	-25	.4	37.75	-	-	74	-36.25	0-360	100	H
4	1.663	50.31	PK	28.4	-31.4	.5	47.81	-	-	74	-26.19	0-360	200	V
5	3.831	28.71	PK	33.3	-29.1	.5	33.41	-	-	74	-40.59	0-360	100	V
6	7.487	26.63	PK	36.1	-25	.3	38.03	-	-	74	-35.97	0-360	100	V

PK – Peak Detector

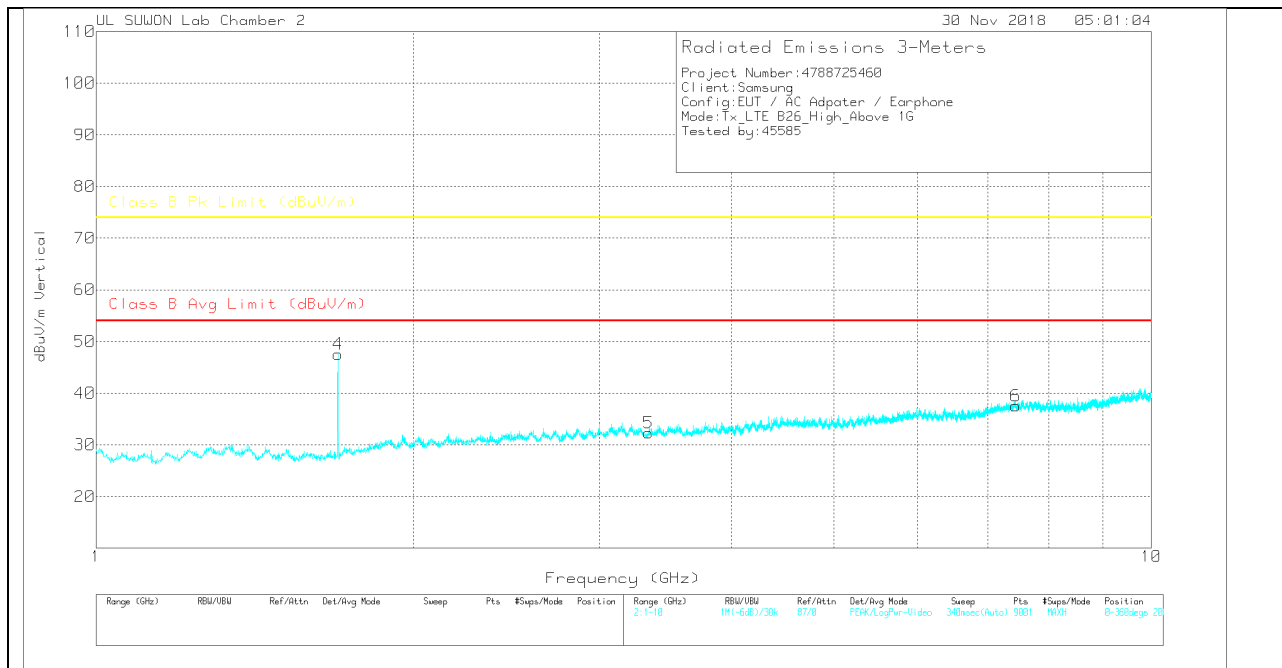
Note: Unwanted emissions on the harmonic frequency were generated from the call-simulator with the TX and RX signals.

HIGH CHANNEL(892.5MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	5117_00168724	1-18GHz(dB)	1GHz_HPF	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Av(CSPP)Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.695	51.45	PK	28.6	-31.3	.6	49.35	-	-	74	-24.65	0-360	200	H
2	3.348	30.54	PK	32.6	-29.9	.5	33.74	-	-	74	-40.26	0-360	200	H
3	7.428	27.92	PK	36.2	-25.2	.5	39.42	-	-	74	-34.58	0-360	200	H
4	1.695	49.65	PK	28.6	-31.3	.6	47.55	-	-	74	-26.45	0-360	200	V
5	3.339	29.03	PK	32.6	-29.8	.5	32.33	-	-	74	-41.67	0-360	200	V
6	7.44	26.04	PK	36.2	-25.1	.4	37.54	-	-	74	-36.46	0-360	100	V

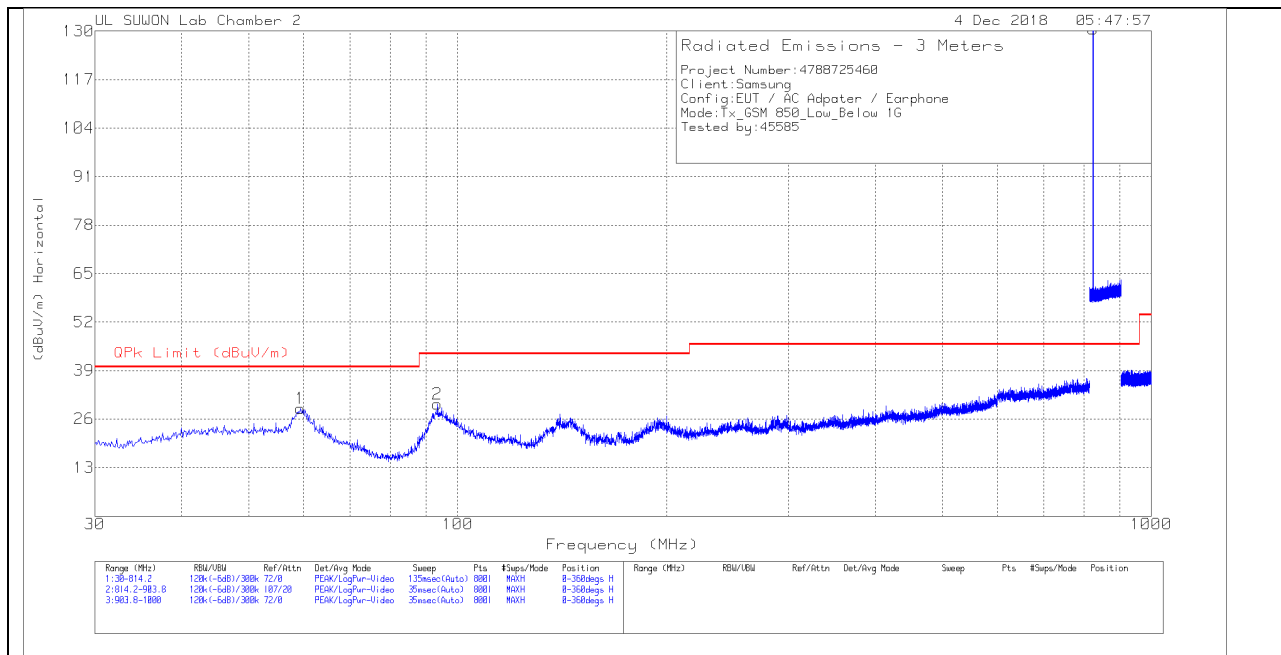
PK – Peak Detector

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

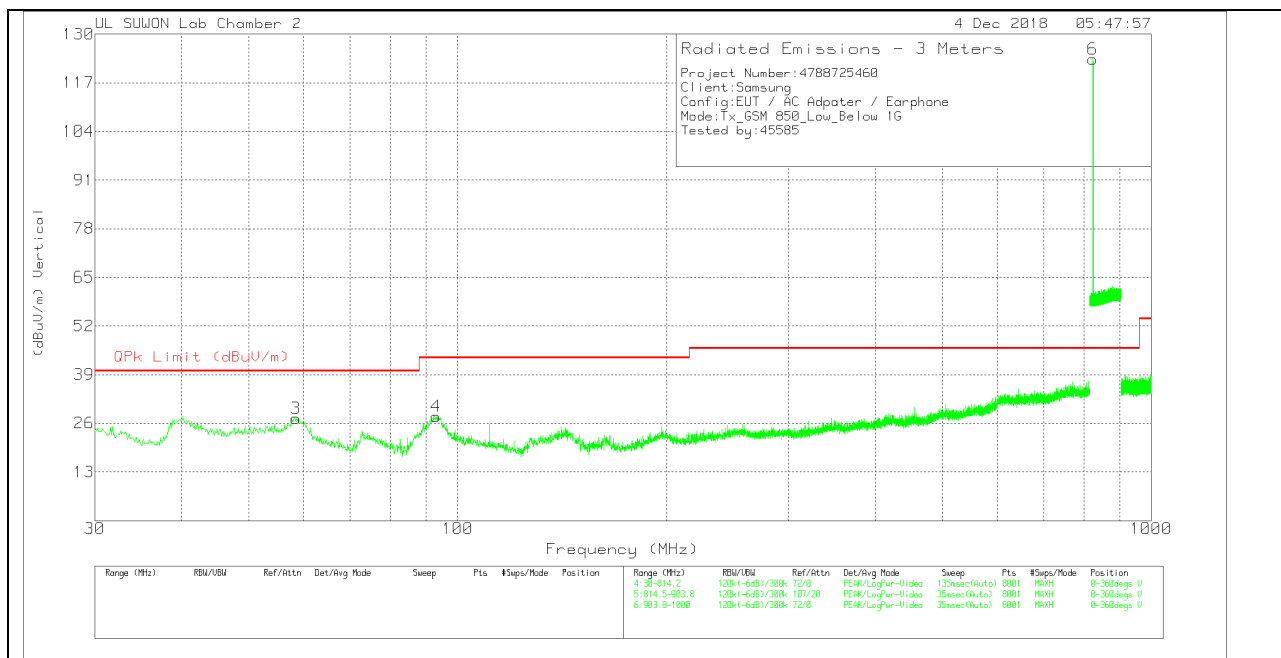
4.7. Below 1 GHz in the GSM850

LOW CHANNEL(869.2MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

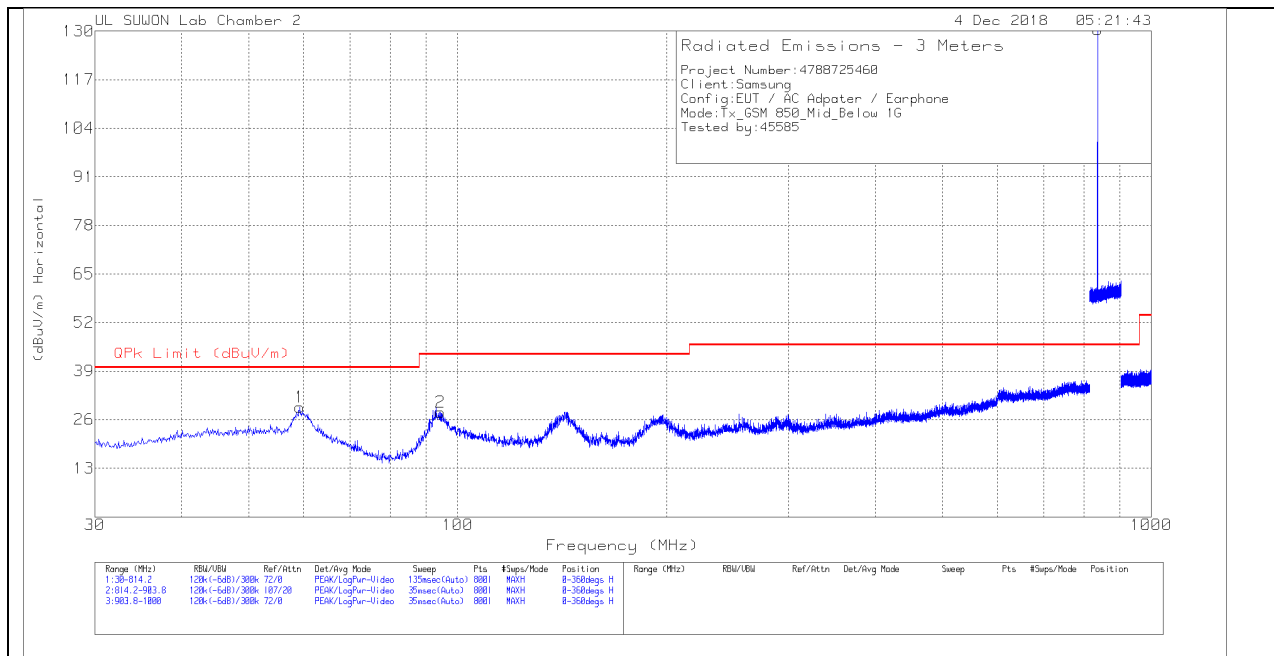
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_749	Bypass_Below_1G[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	59.3095	9.49	Pk	18.6	.8	28.89	40	-11.11	0-360	400	H
2	93.5202	12.13	Pk	16.8	1.1	30.03	43.52	-13.49	0-360	300	H
5	824.2464	100.6	Pk	26.9	3.1	130.6	46.02	84.58	0-360	100	H
3	58.5253	7.71	Pk	18.8	.8	27.31	40	-12.69	0-360	300	V
4	93.1281	10.19	Pk	16.7	1	27.89	43.52	-15.63	0-360	100	V
6	824.2118	93.3	Pk	26.9	3.1	123.3	46.02	77.28	0-360	200	V

Pk - Peak detector

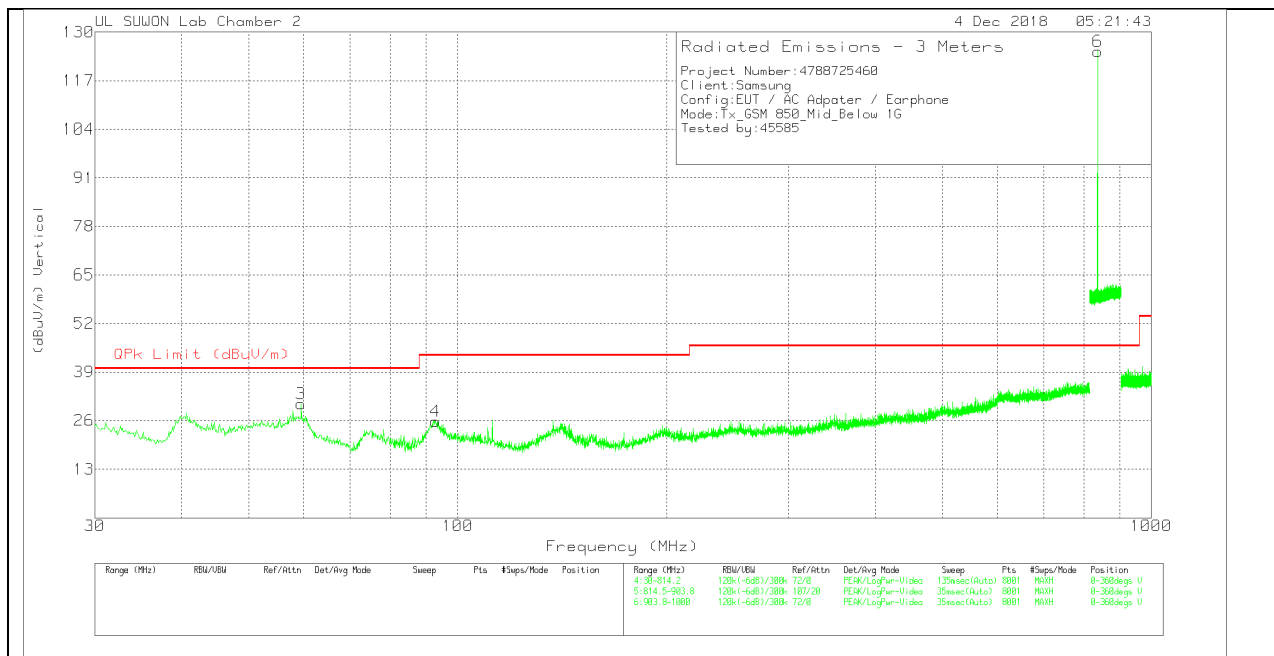
Note: Unwanted emissions captured from 824MHz to 849MHz and from 869MHz to 894MHz were the TX and RX signals generated from the call-simulator.

MID CHANNEL(881.6MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

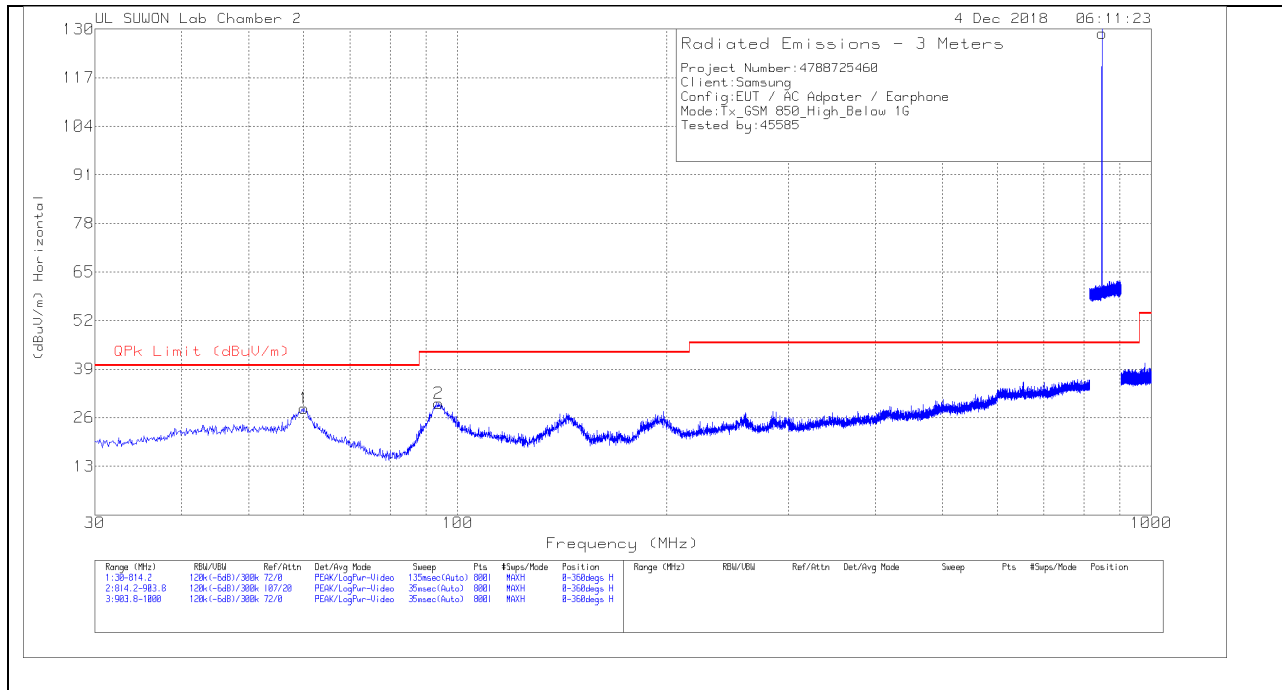
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_749	Bypass_Below_1G[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	59.2115	9.8	Pk	18.7	.8	29.3	40	-10.7	0-360	400	H
2	94.4024	9.86	Pk	17	1.1	27.96	43.52	-15.56	0-360	300	H
5	836.6336	100.2	Pk	27.1	3.1	130.4	46.02	84.38	0-360	100	H
3	59.5055	11.1	Pk	18.6	.8	30.5	40	-9.5	0-360	100	V
4	92.9321	8.04	Pk	16.7	1	25.74	43.52	-17.78	0-360	100	V
6	836.5302	94.71	Pk	27.1	3.1	124.91	46.02	78.89	0-360	200	V

Pk - Peak detector

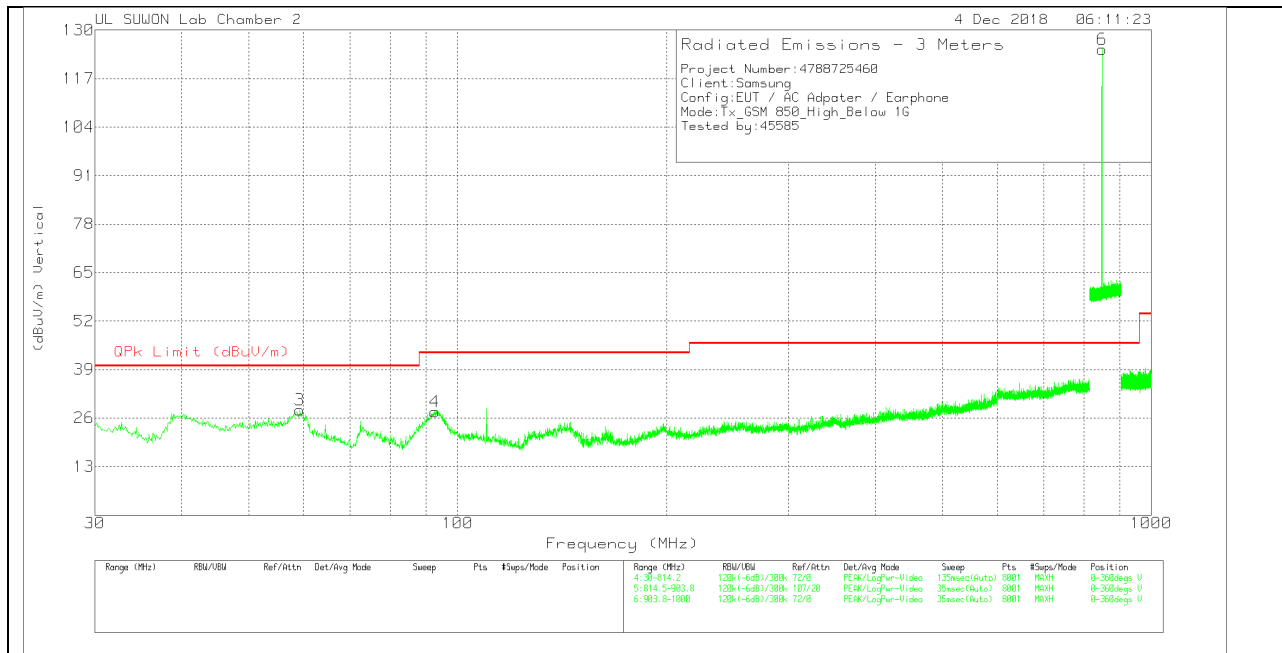
Note: Unwanted emissions captured from 824MHz to 849MHz and from 869MHz to 894MHz were the TX and RX signals generated from the call-simulator.

HIGH CHANNEL(893.8MHz)

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	60.0937	9.13	Pk	18.5	.8	28.43	40	-11.57	0-360	400	H
2	93.9123	11.97	Pk	16.9	1	29.87	43.52	-13.65	0-360	300	H
5	848.7856	98.33	Pk	27.4	3.2	128.93	46.02	82.91	0-360	100	H
3	59.2115	8.68	Pk	18.7	.8	28.18	40	-11.82	0-360	100	V
4	92.638	10.11	Pk	16.6	1	27.71	43.52	-15.81	0-360	100	V
6	848.8597	94.26	Pk	27.4	3.2	124.86	46.02	78.84	0-360	100	V

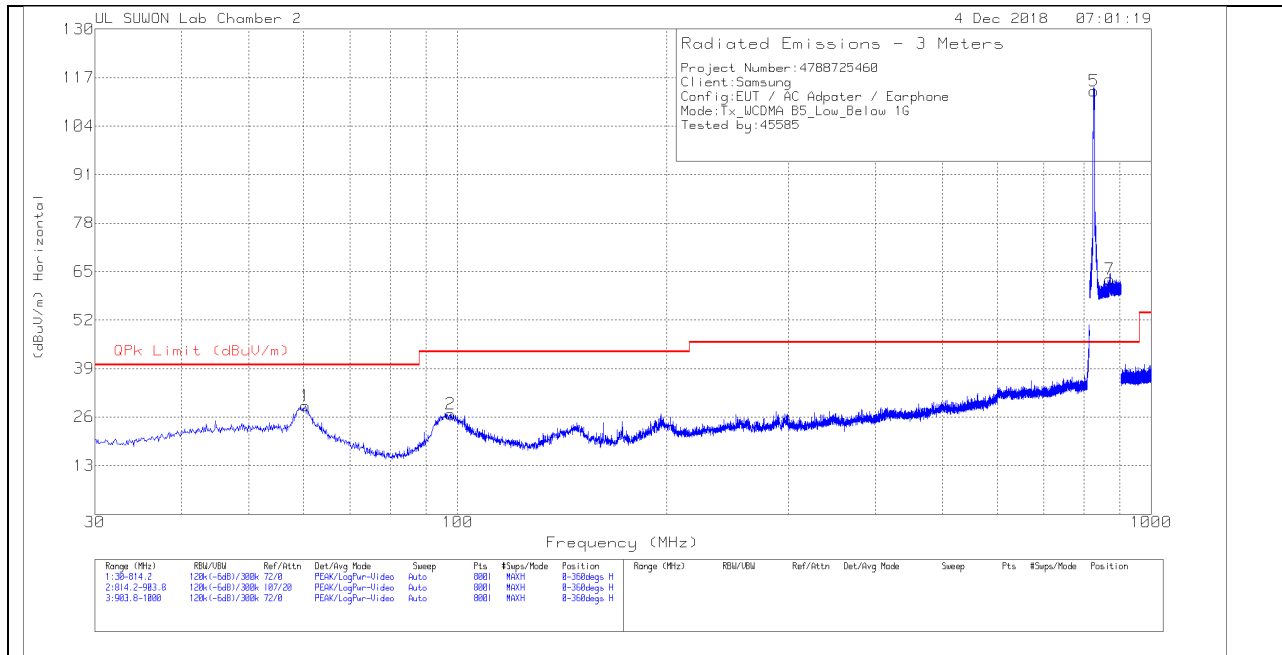
Pk - Peak detector

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

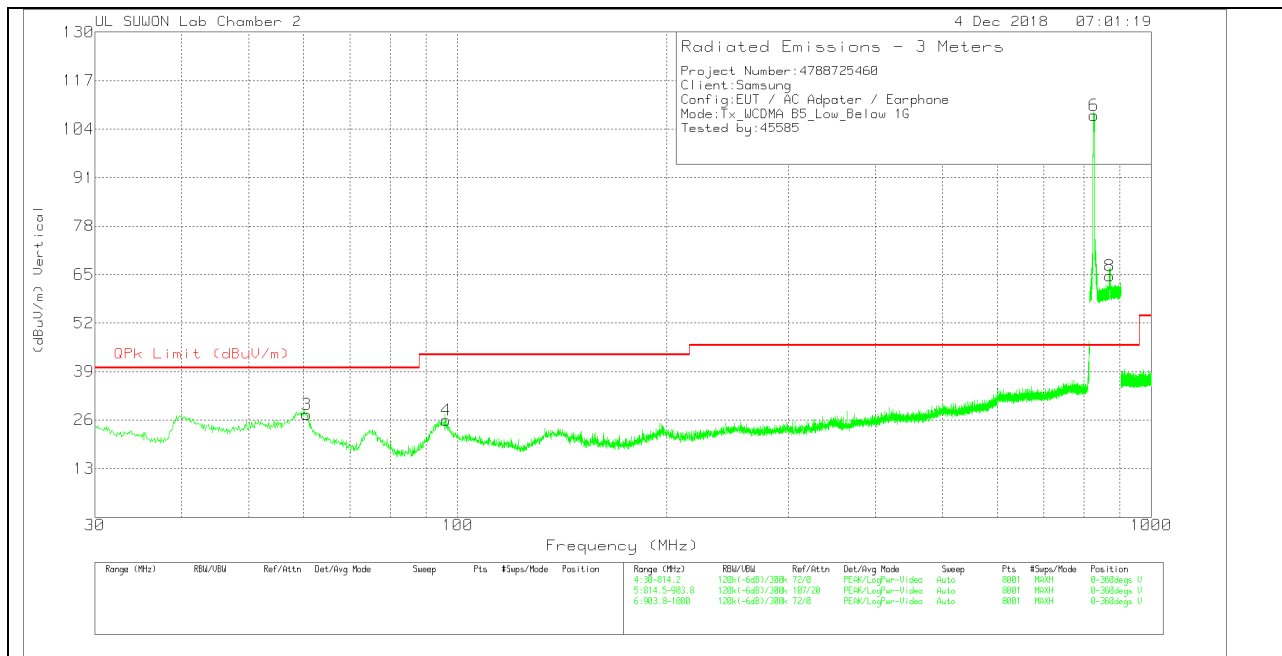
4.8. Below 1 GHz in the WCDMA Band 5

LOW CHANNEL(871.4MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

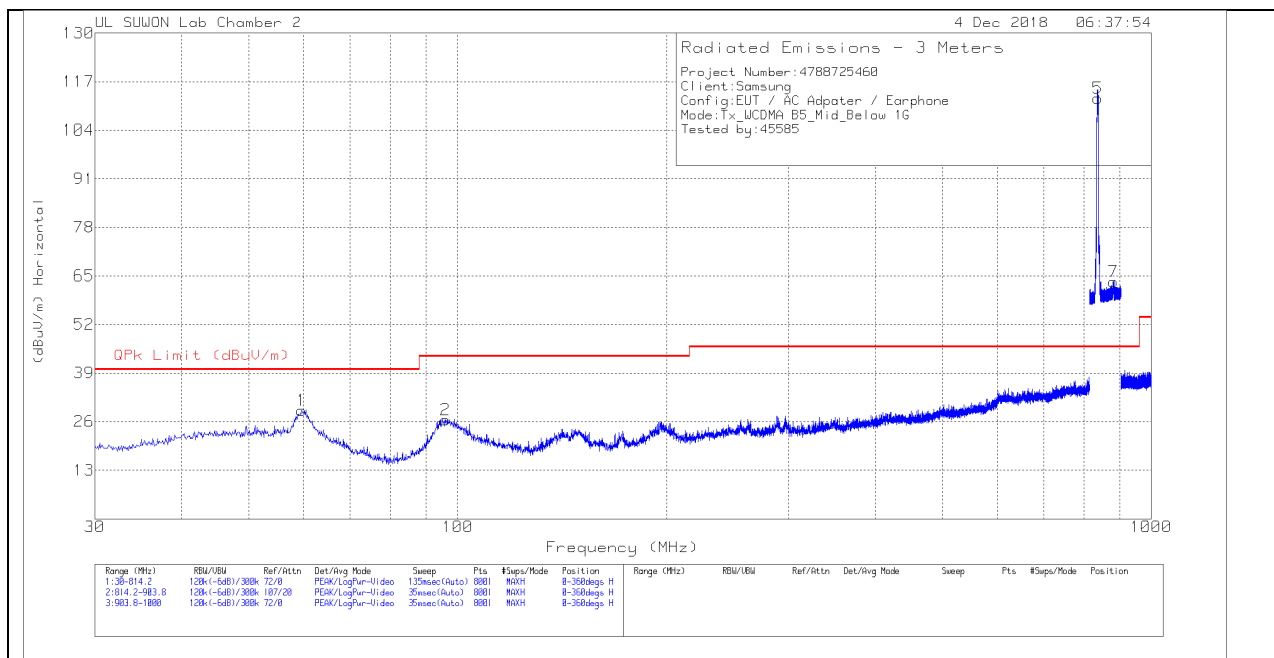
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_749	Bypass_Below_1G[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	60.2897	9.66	Pk	18.5	.8	28.96	40	-11.04	0-360	400	H
2	97.7353	8.27	Pk	17.5	1.1	26.87	43.52	-16.65	0-360	300	H
5	826.2736	83.27	Pk	27	3.1	113.37	46.02	67.35	0-360	100	H
7	871.4656	31.92	Pk	27.9	3.2	63.02	46.02	17	0-360	100	H
3	60.5838	8.26	Pk	18.4	.8	27.46	40	-12.54	0-360	100	V
4	96.1669	7.5	Pk	17.4	1.1	26	43.52	-17.52	0-360	100	V
6	826.5002	77.51	Pk	27	3.1	107.61	46.02	61.59	0-360	100	V
8	871.4536	33.61	Pk	27.9	3.2	64.71	46.02	18.69	0-360	100	V

Pk - Peak detector

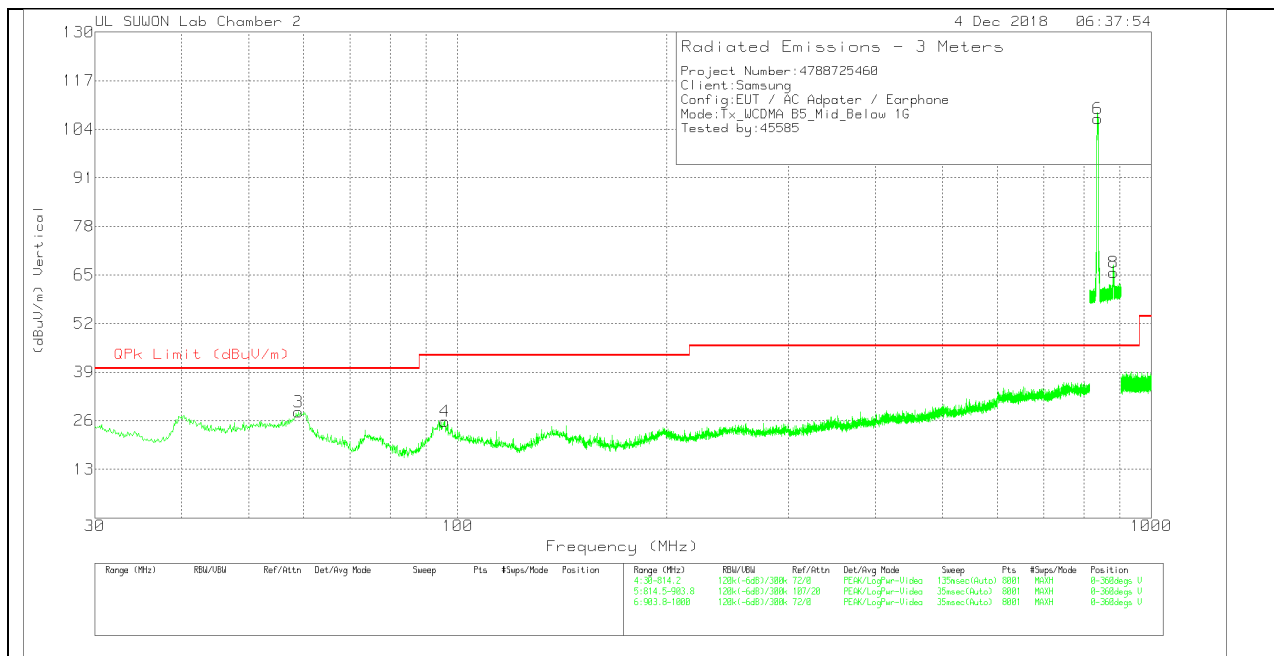
Note: Unwanted emissions captured from 824MHz to 849MHz and from 869MHz to 894MHz were the TX and RX signals generated from the call-simulator.

MID CHANNEL(881.6MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

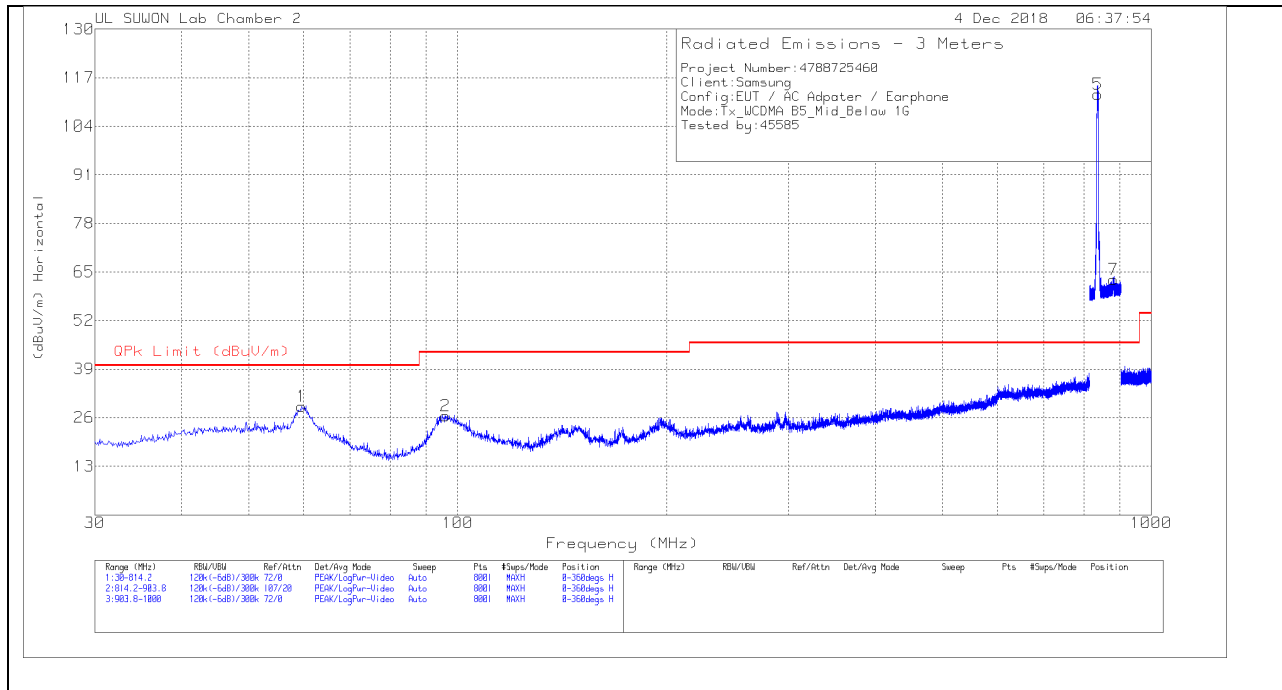
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_749	Bypass_Below_1G[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	59.6036	9.57	Pk	18.6	.8	28.97	40	-11.03	0-360	400	H
2	96.0689	8.12	Pk	17.4	1	26.52	43.52	-17	0-360	200	H
5	836.6672	82.29	Pk	27.1	3.1	112.49	46.02	66.47	0-360	100	H
7	881.4672	32.24	Pk	28	3.2	63.44	46.02	17.42	0-360	200	H
3	58.9174	8.8	Pk	18.7	.8	28.3	40	-11.7	0-360	300	V
4	95.7748	7.57	Pk	17.3	1	25.87	43.52	-17.65	0-360	100	V
6	836.5246	76.59	Pk	27.1	3.1	106.79	46.02	60.77	0-360	100	V
8	881.8575	34.51	Pk	28	3.2	65.71	46.02	19.69	0-360	100	V

Pk - Peak detector

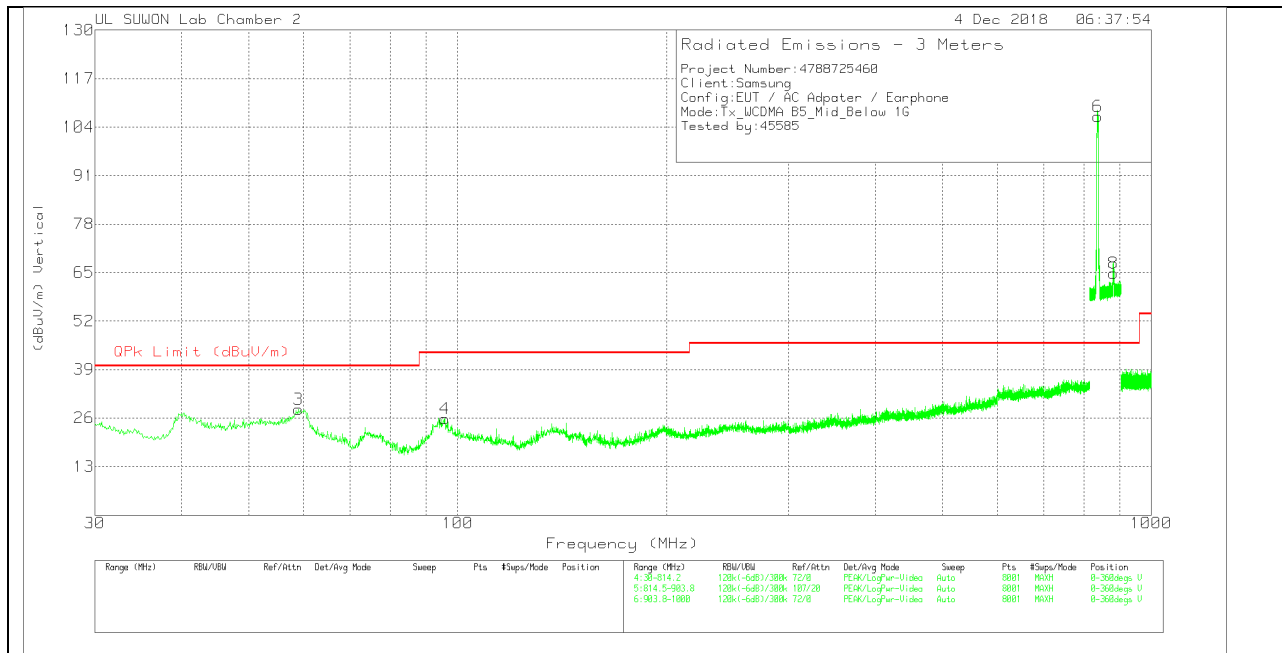
Note: Unwanted emissions captured from 824MHz to 849MHz and from 869MHz to 894MHz were the TX and RX signals generated from the call-simulator.

HIGH CHANNEL(891.6MHz)

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	59.6036	9.57	Pk	18.6	.8	28.97	40	-11.03	0-360	400	H
2	96.0689	8.12	Pk	17.4	1	26.52	43.52	-17	0-360	200	H
5	836.6672	82.29	Pk	27.1	3.1	112.49	46.02	66.47	0-360	100	H
7	881.736	31.77	Pk	28	3.2	62.97	46.02	16.95	0-360	200	H
3	58.9174	8.8	Pk	18.7	.8	28.3	40	-11.7	0-360	300	V
4	95.7748	7.57	Pk	17.3	1	25.87	43.52	-17.65	0-360	100	V
6	836.5246	76.59	Pk	27.1	3.1	106.79	46.02	60.77	0-360	100	V
8	881.6566	33.63	Pk	28	3.2	64.83	46.02	18.81	0-360	100	V

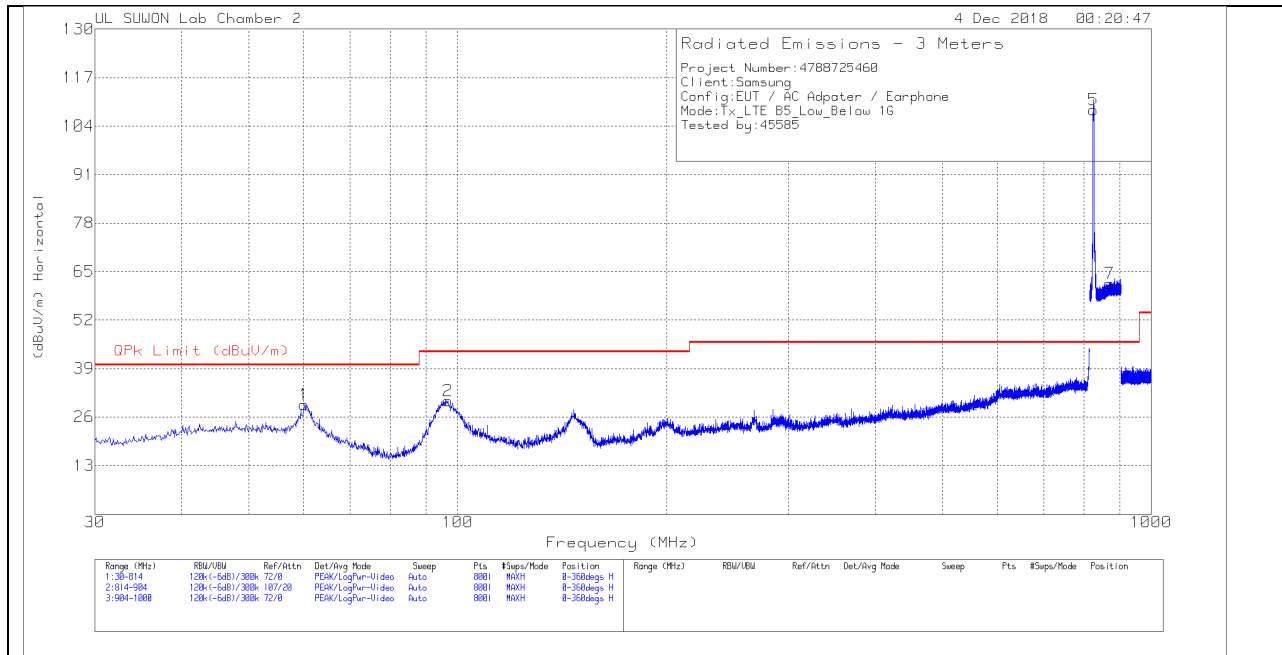
Pk - Peak detector

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

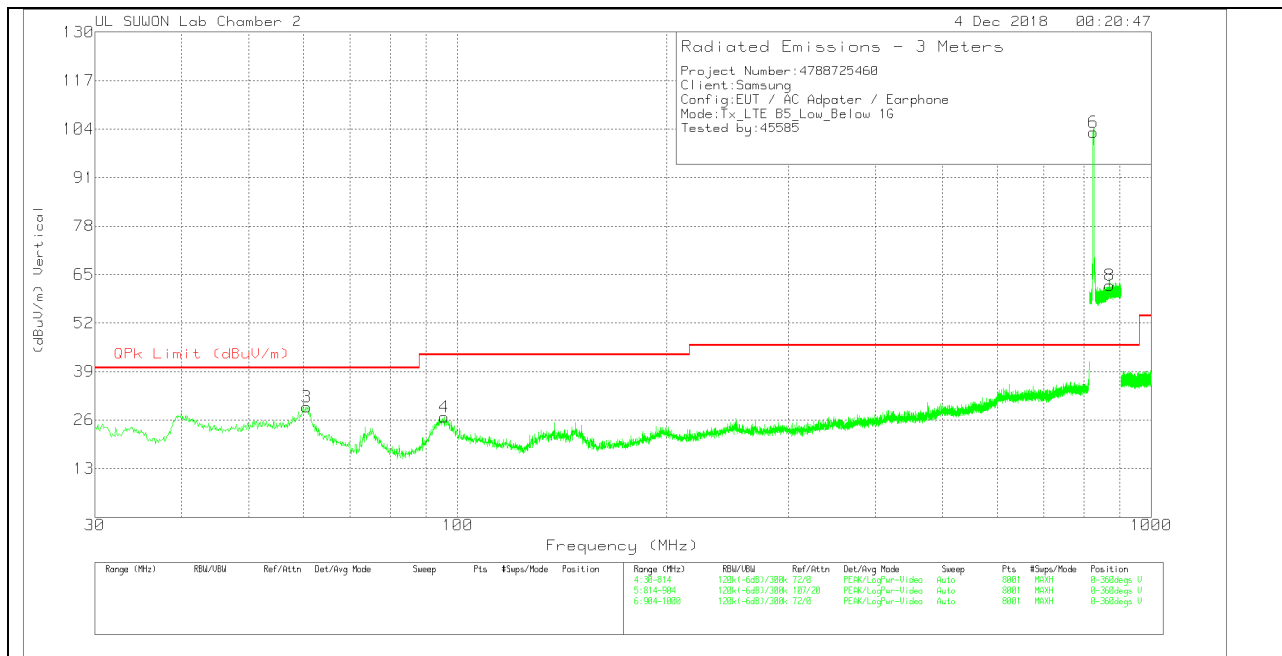
4.9. Below 1 GHz in the LTE Band 5

LOW CHANNEL(870.5MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

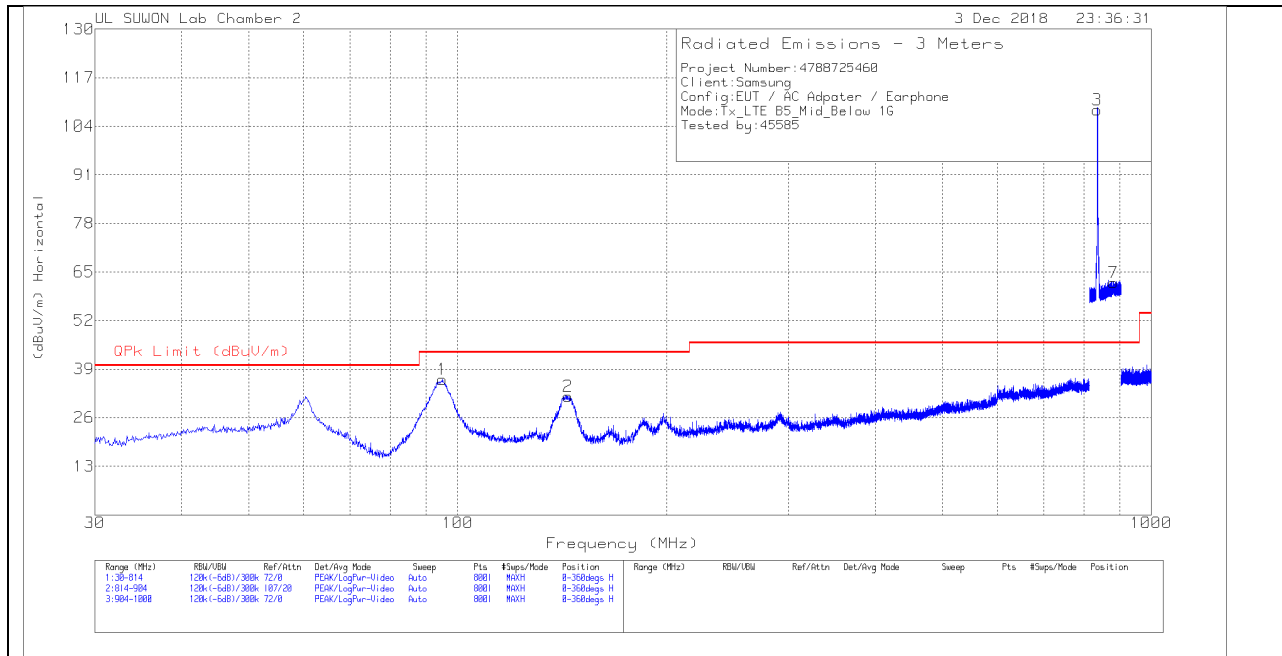
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_749	Bypass_Below_1G[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	60.086	9.98	Pk	18.5	.8	29.28	40	-10.72	0-360	400	H
2	96.836	11.84	Pk	17.4	1.1	30.34	43.52	-13.18	0-360	300	H
5	825.6213	78.26	Pk	27	3.1	108.36	46.02	62.34	0-360	200	H
7	870.5763	30.64	Pk	27.9	3.2	61.74	46.02	15.72	0-360	200	H
3	60.576	10.28	Pk	18.4	.8	29.48	40	-10.52	0-360	300	V
4	95.562	8.59	Pk	17.3	1	26.89	43.52	-16.63	0-360	100	V
6	825.52	73.07	Pk	27	3.1	103.17	46.02	57.15	0-360	100	V
8	870.4638	31.09	Pk	27.9	3.2	62.19	46.02	16.17	0-360	100	V

Pk - Peak detector

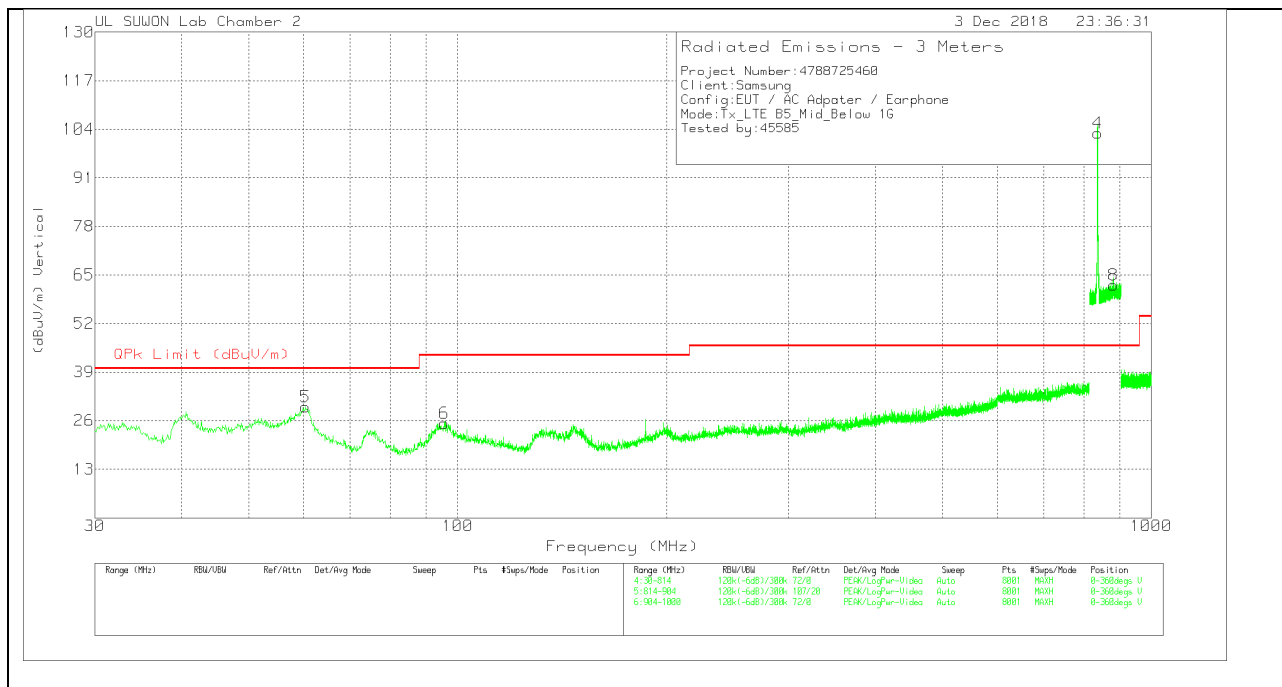
Note: Unwanted emissions captured from 824MHz to 849MHz and from 869MHz to 894MHz were the TX and RX signals generated from the call-simulator.

MID CHANNEL(881.5MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

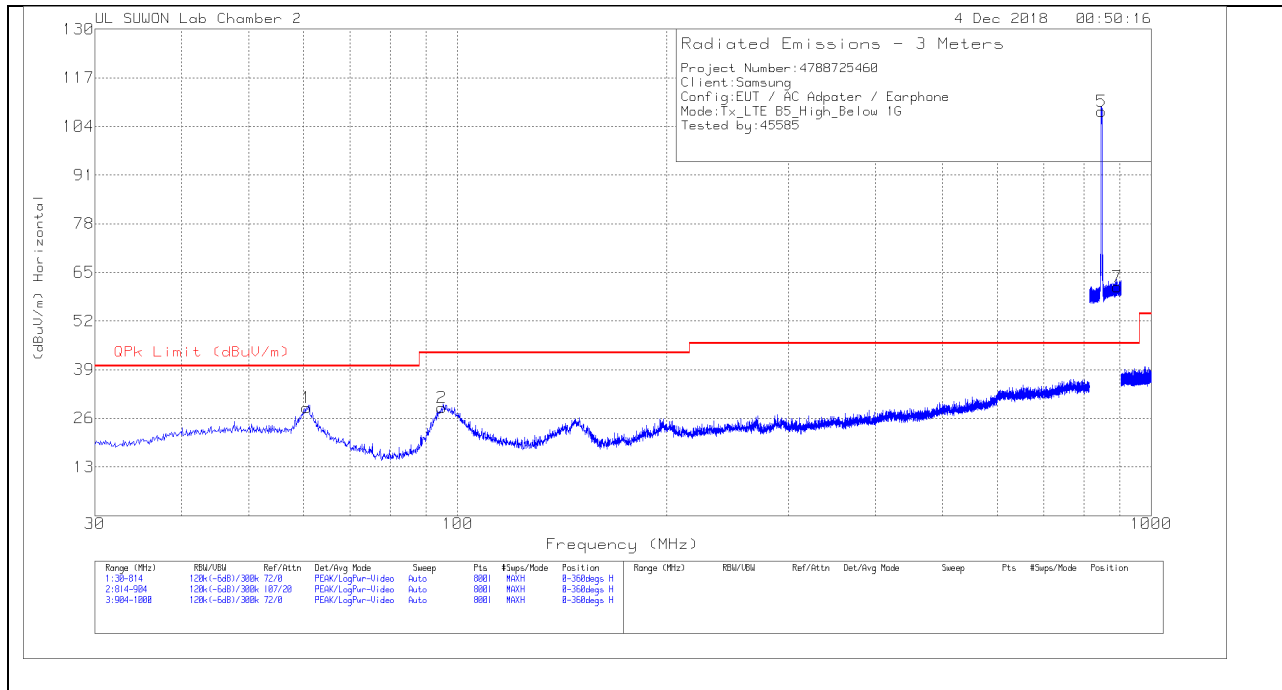
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_749	Bypass_Below_1G[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	94.974	17.98	Pk	17.2	1	36.18	43.52	-7.34	0-360	300	H
2	144.366	16.31	Pk	14.1	1.3	31.71	43.52	-11.81	0-360	200	H
3	836.275	78.15	Pk	27.1	3.1	108.35	46.02	62.33	0-360	100	H
7	881.3425	30.87	Pk	28	3.2	62.07	46.02	16.05	0-360	200	H
5	60.38	10.42	Pk	18.4	.8	29.62	40	-10.38	0-360	300	V
6	95.562	7	Pk	17.3	1	25.3	43.52	-18.22	0-360	100	V
4	836.77	72.76	Pk	27.1	3.1	102.96	46.02	56.94	0-360	100	V
8	881.4775	31.1	Pk	28	3.2	62.3	46.02	16.28	0-360	100	V

Pk - Peak detector

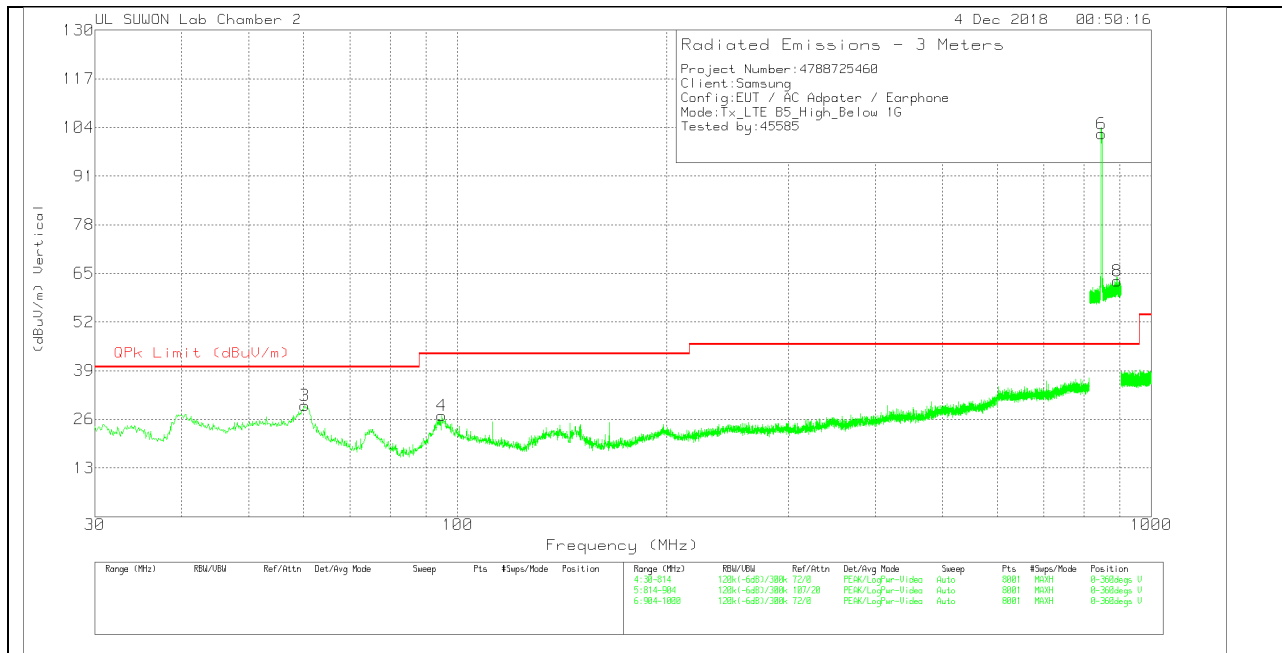
Note: Unwanted emissions captured from 824MHz to 849MHz and from 869MHz to 894MHz were the TX and RX signals generated from the call-simulator.

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	60.576	9.64	Pk	18.4	.8	28.84	40	-11.16	0-360	400	H
2	94.876	10.52	Pk	17.2	1.1	28.82	43.52	-14.7	0-360	300	H
5	847.0975	77.48	Pk	27.3	3.2	107.98	46.02	61.96	0-360	100	H
7	892.615	29.87	Pk	28	3.3	61.17	46.02	15.15	0-360	200	H
3	60.184	10.22	Pk	18.5	.9	29.62	40	-10.38	0-360	100	V
4	94.876	8.65	Pk	17.2	1.1	26.95	43.52	-16.57	0-360	100	V
6	847.525	71.86	Pk	27.3	3.2	102.36	46.02	56.34	0-360	100	V
8	892.4688	31.7	Pk	28	3.3	63	46.02	16.98	0-360	100	V

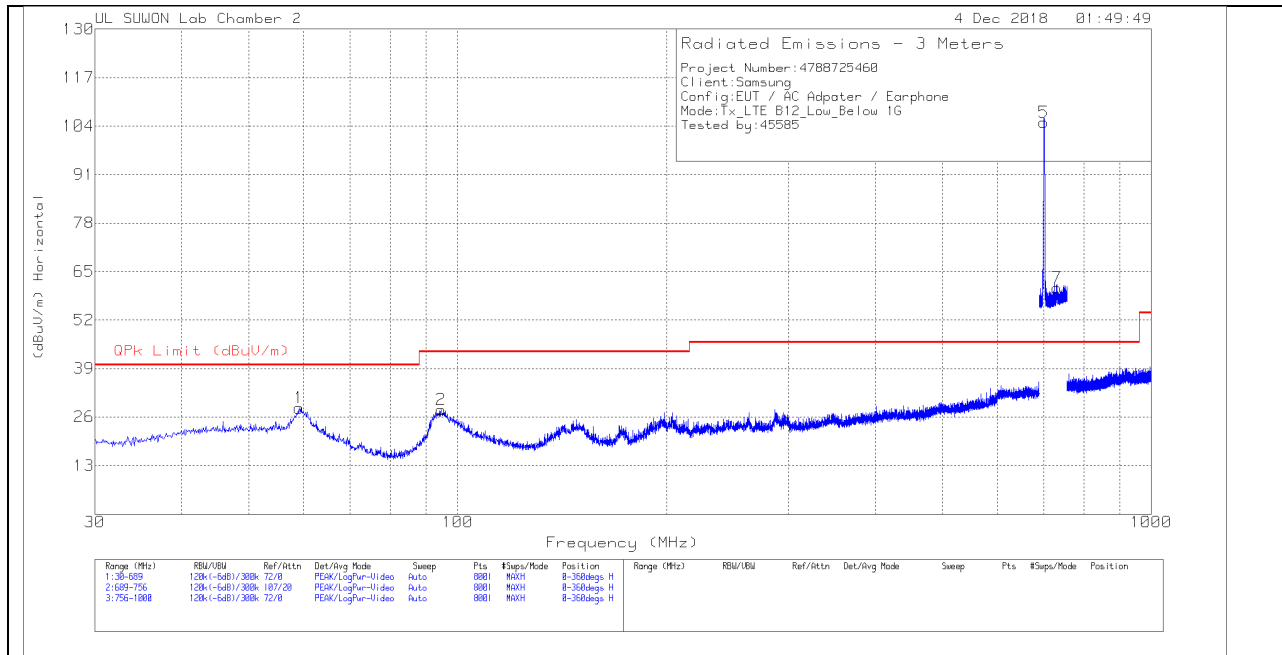
Pk - Peak detector

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

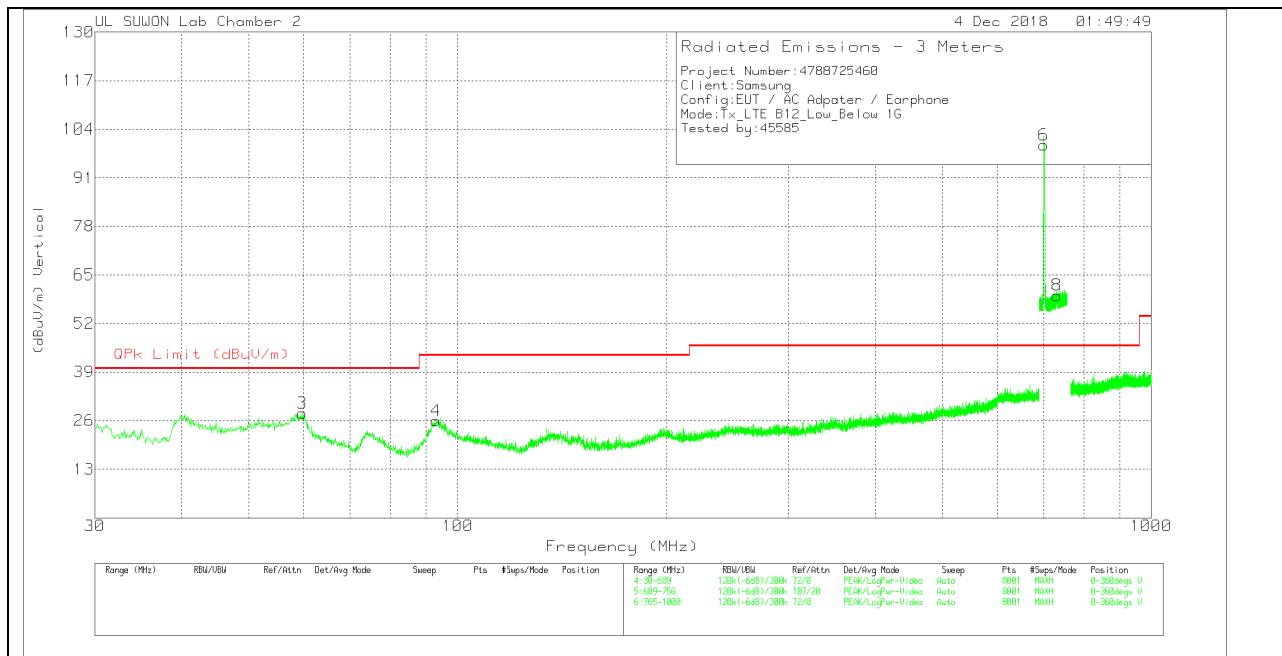
4.10. Below 1 GHz in the LTE Band 12

LOW CHANNEL(730.5MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

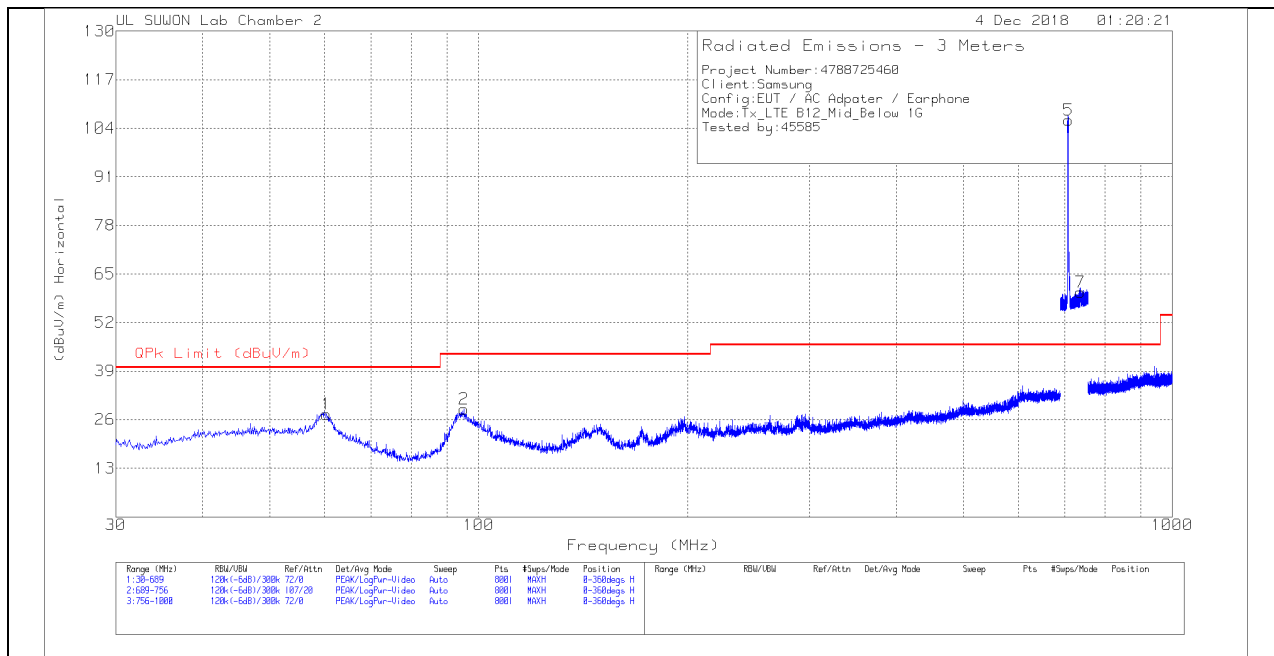
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_749	Bypass_Below_1G[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	59.0784	8.92	Pk	18.7	.8	28.42	40	-11.58	0-360	400	H
2	94.6644	9.82	Pk	17.1	1.1	28.02	43.52	-15.5	0-360	300	H
5	700.3649	76.42	Pk	25.6	2.9	104.92	46.02	58.9	0-360	100	H
7	730.5233	31.53	Pk	26.2	2.9	60.63	46.02	14.61	0-360	100	H
3	59.655	8.52	Pk	18.6	.8	27.92	40	-12.08	0-360	100	V
4	93.1816	8.31	Pk	16.7	1	26.01	43.52	-17.51	0-360	100	V
6	700.2644	71.3	Pk	25.6	2.9	99.8	46.02	53.78	0-360	100	V
8	730.6405	30.42	Pk	26.2	2.9	59.52	46.02	13.5	0-360	100	V

Pk - Peak detector

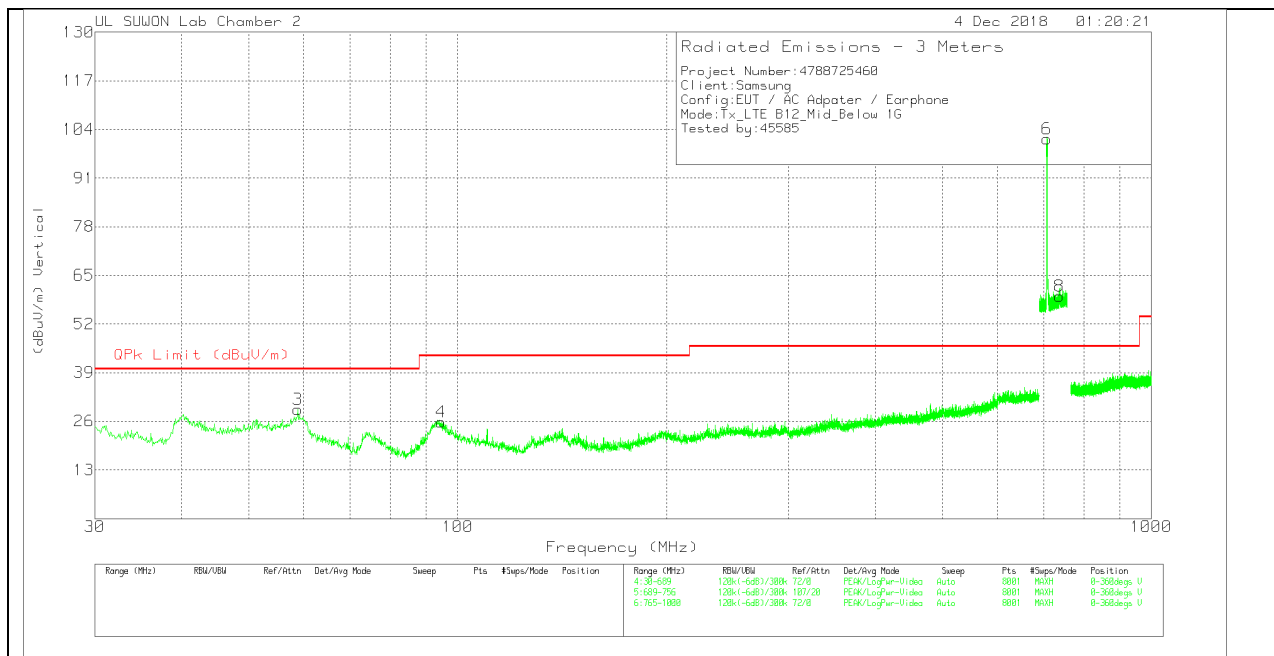
Note: Unwanted emissions captured from 699MHz to 716MHz and from 729MHz to 746MHz were the TX and RX signals generated from the call-simulator.

MID CHANNEL(737.5MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

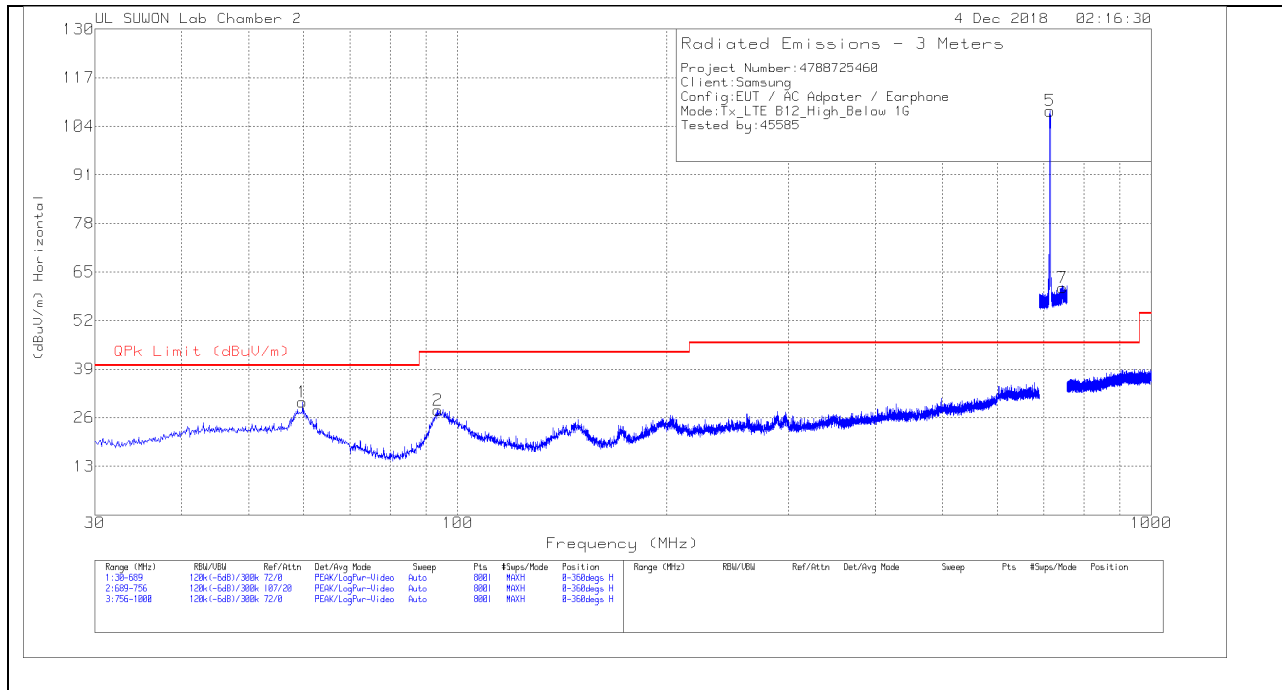
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_749	Bypass_Below_1G[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	60.314	8.21	Pk	18.4	.8	27.41	40	-12.59	0-360	400	H
2	95.241	10.57	Pk	17.2	1	28.77	43.52	-14.75	0-360	300	H
5	707.961	77.74	Pk	25.5	2.9	106.14	46.02	60.12	0-360	100	H
7	737.3321	30.8	Pk	26.4	2.9	60.1	46.02	14.08	0-360	100	H
3	58.8313	9.74	Pk	18.7	.8	29.24	40	-10.76	0-360	100	V
4	94.7468	7.58	Pk	17.1	1.1	25.78	43.52	-17.74	0-360	100	V
6	707.492	73.02	Pk	25.5	2.9	101.42	46.02	55.4	0-360	100	V
8	737.575	30.06	Pk	26.4	2.9	59.36	46.02	13.34	0-360	200	V

Pk - Peak detector

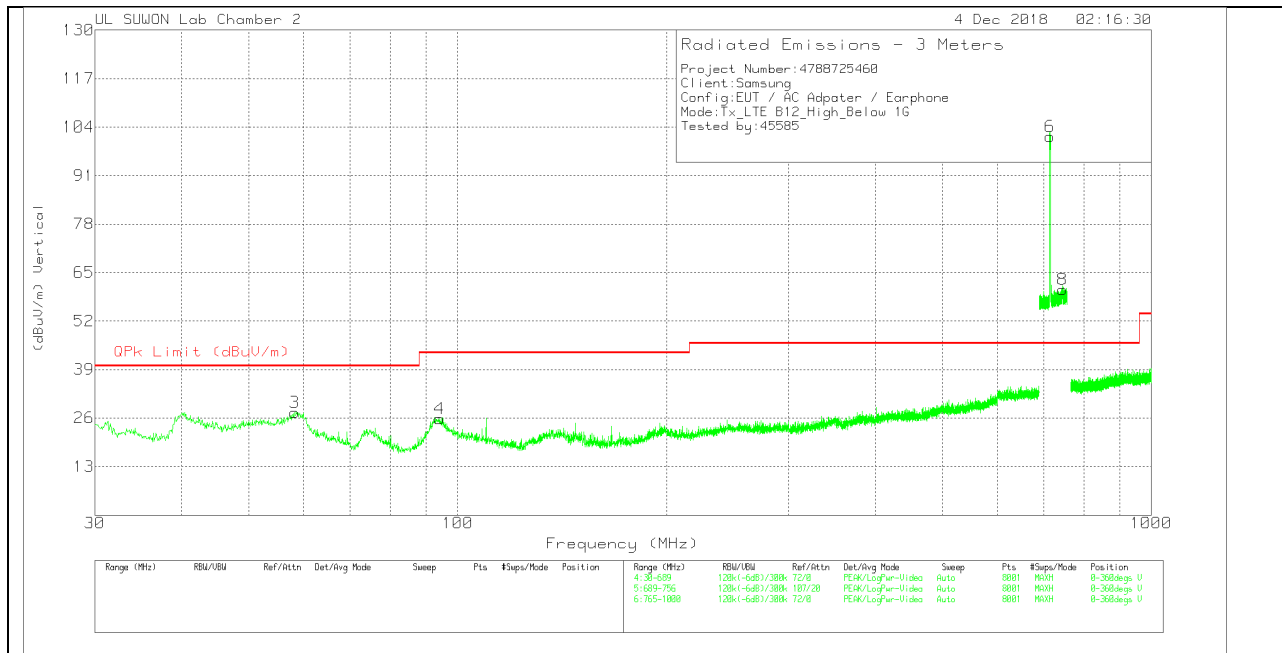
Note: Unwanted emissions captured from 699MHz to 716MHz and from 729MHz to 746MHz were the TX and RX signals generated from the call-simulator.

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	59.7374	10.78	Pk	18.6	.8	30.18	40	-9.82	0-360	400	H
2	93.6759	10.04	Pk	16.9	1.1	28.04	43.52	-15.48	0-360	300	H
5	714.4935	79.61	Pk	25.6	2.9	108.11	46.02	62.09	0-360	100	H
7	744.4341	31.16	Pk	26.6	3	60.76	46.02	14.74	0-360	300	H
3	58.1723	7.92	Pk	18.8	.8	27.52	40	-12.48	0-360	300	V
4	94.1701	7.86	Pk	17	1	25.86	43.52	-17.66	0-360	100	V
6	714.8536	72.93	Pk	25.6	2.9	101.43	46.02	55.41	0-360	100	V
8	744.5263	30.86	Pk	26.6	3	60.46	46.02	14.44	0-360	200	V

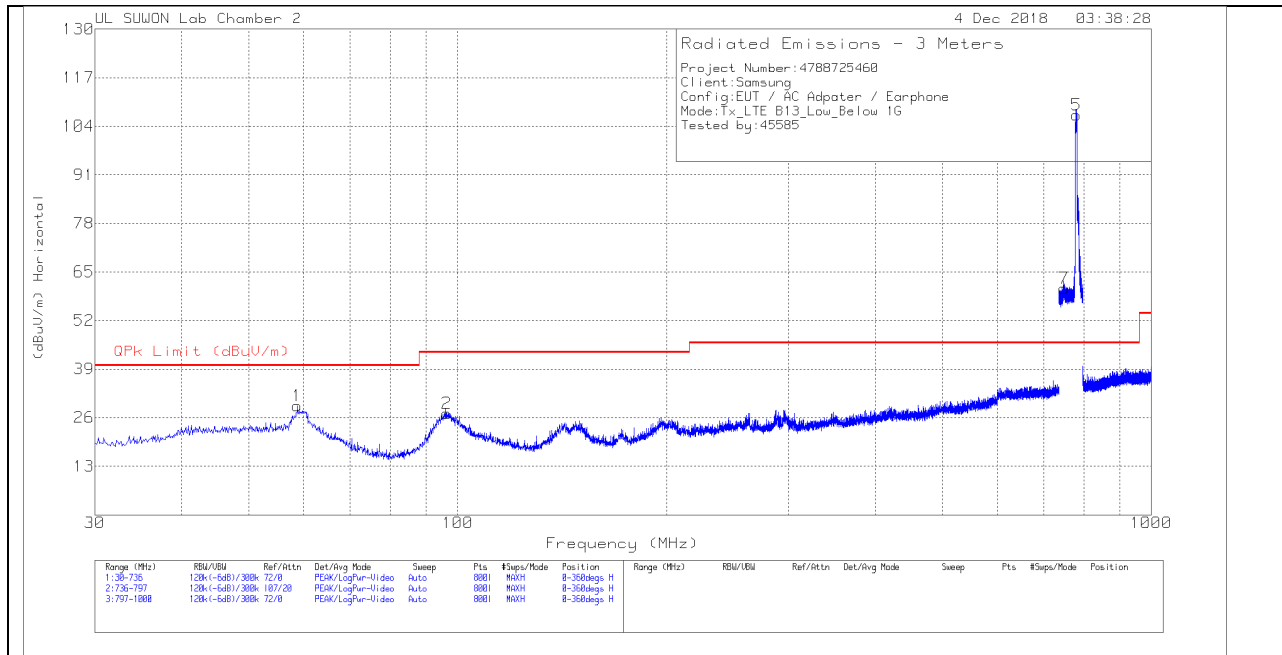
Pk - Peak detector

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

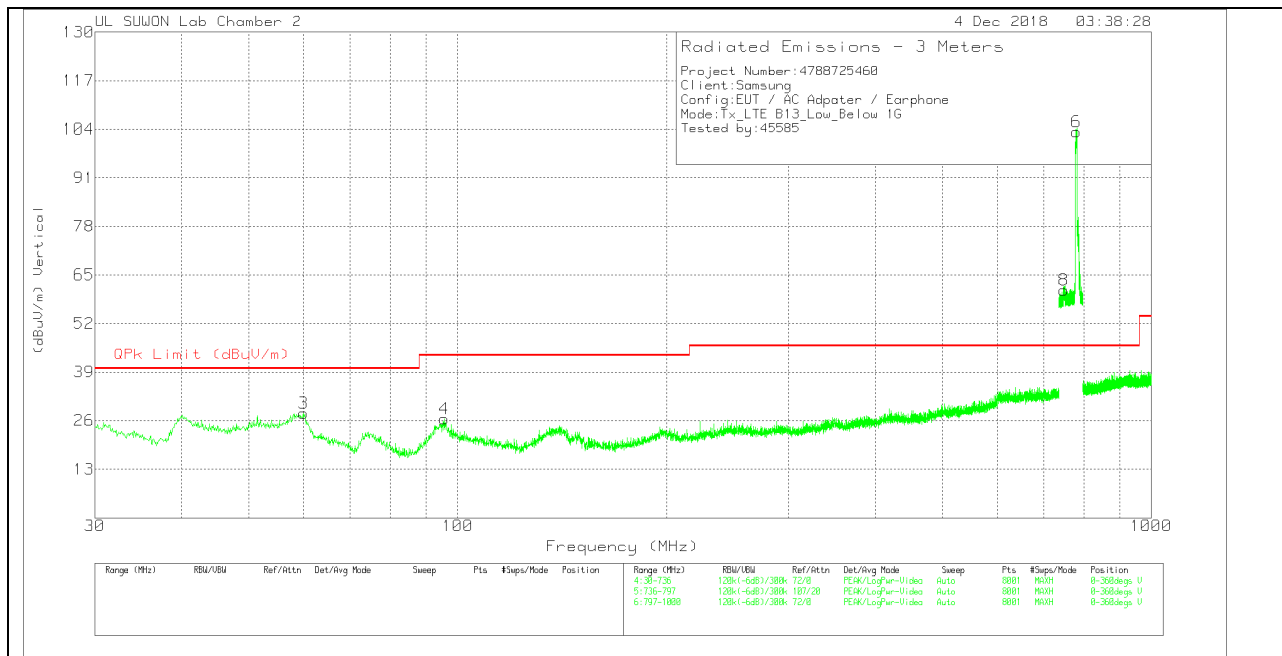
4.11. Below 1 GHz in the LTE Band 13

LOW CHANNEL(748.5MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

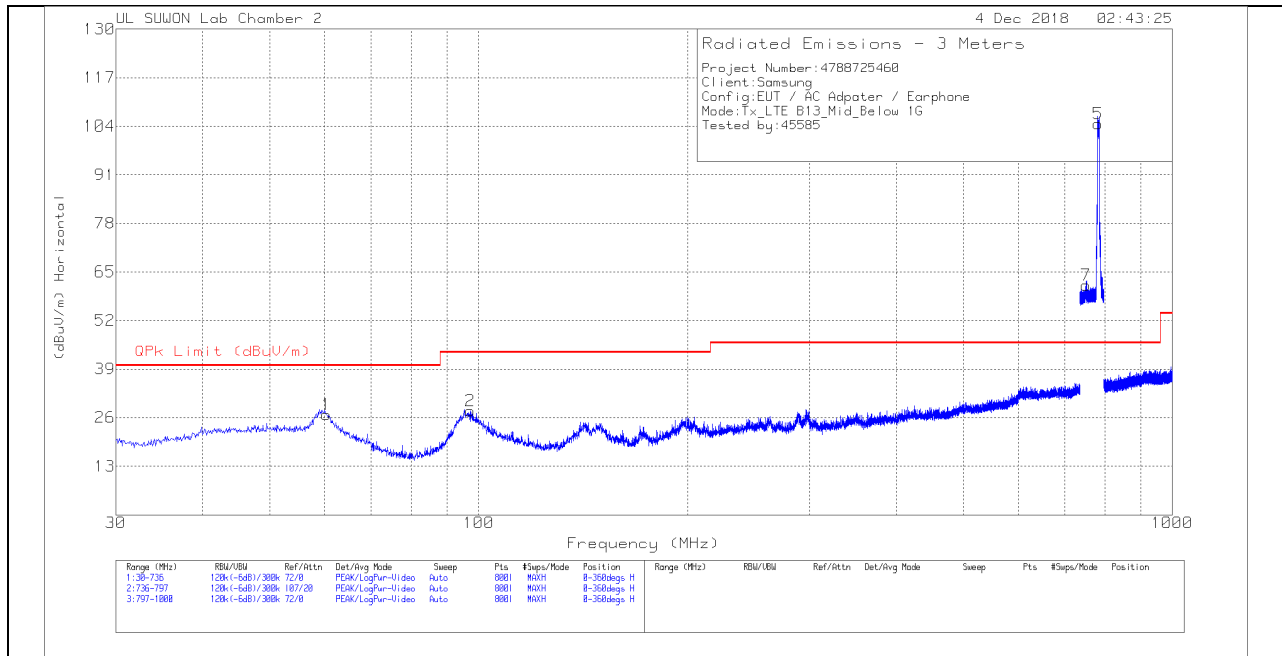
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_749	Bypass_Below_1G[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	58.7695	9.63	Pk	18.7	.8	29.13	40	-10.87	0-360	400	H
2	96.4523	8.69	Pk	17.4	1.1	27.19	43.52	-16.33	0-360	300	H
5	779.4244	77.36	Pk	26.7	3	107.06	46.02	61.04	0-360	100	H
7	748.8176	30.8	Pk	26.8	3	60.6	46.02	14.58	0-360	100	H
3	59.9168	8.62	Pk	18.5	.8	27.92	40	-12.08	0-360	100	V
4	95.7463	8.14	Pk	17.3	1	26.44	43.52	-17.08	0-360	100	V
6	779.4549	73.64	Pk	26.7	3	103.34	46.02	57.32	0-360	100	V
8	748.5126	31.32	Pk	26.7	3	61.02	46.02	15	0-360	200	V

Pk - Peak detector

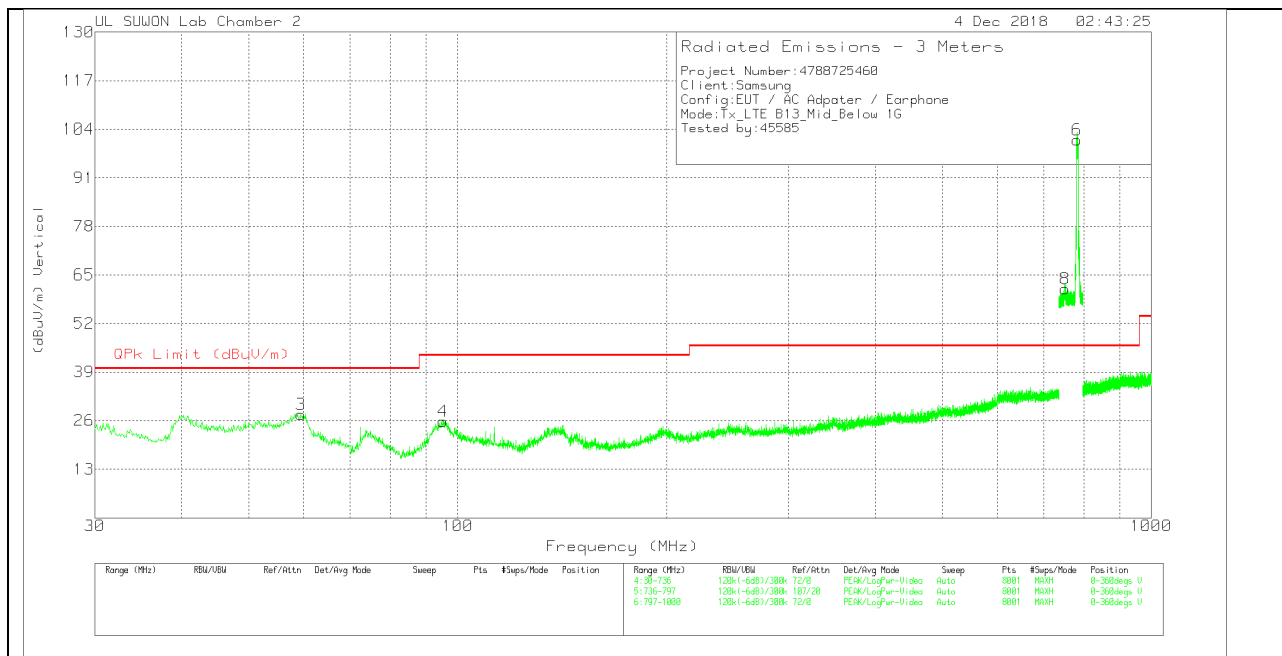
Note: Unwanted emissions captured from 777MHz to 787MHz and from 746MHz to 756MHz were the TX and RX signals generated from the call-simulator.

MID CHANNEL(751.0MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

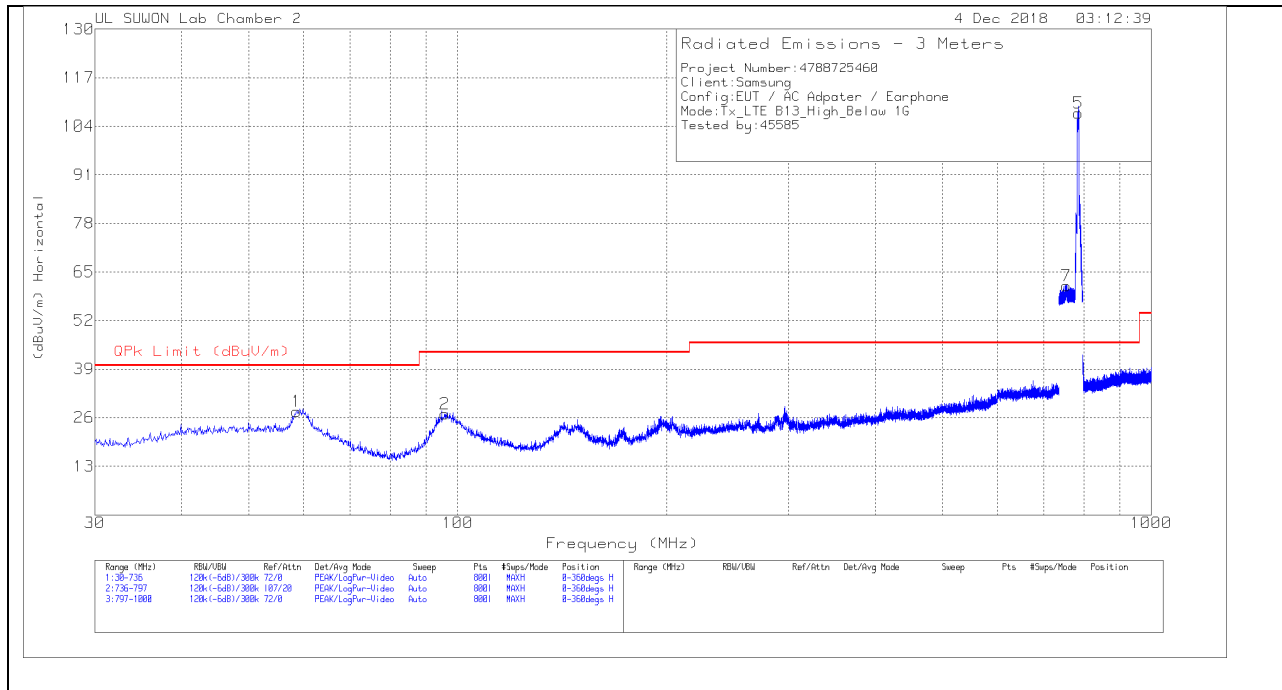
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_749	Bypass_Below_1G[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	60.358	7.6	Pk	18.4	.8	26.8	40	-13.2	0-360	400	H
2	97.3348	9.22	Pk	17.5	1.1	27.82	43.52	-15.7	0-360	300	H
5	781.6661	74.93	Pk	26.7	3	104.63	46.02	58.61	0-360	100	H
7	750.9298	31.58	Pk	26.8	3	61.38	46.02	15.36	0-360	100	H
3	59.4755	8.31	Pk	18.6	.8	27.71	40	-12.29	0-360	300	V
4	95.305	7.52	Pk	17.2	1.1	25.82	43.52	-17.7	0-360	100	V
6	782.2761	71.43	Pk	26.7	3	101.13	46.02	55.11	0-360	100	V
8	751.0823	31.55	Pk	26.8	3	61.35	46.02	15.33	0-360	200	V

Pk - Peak detector

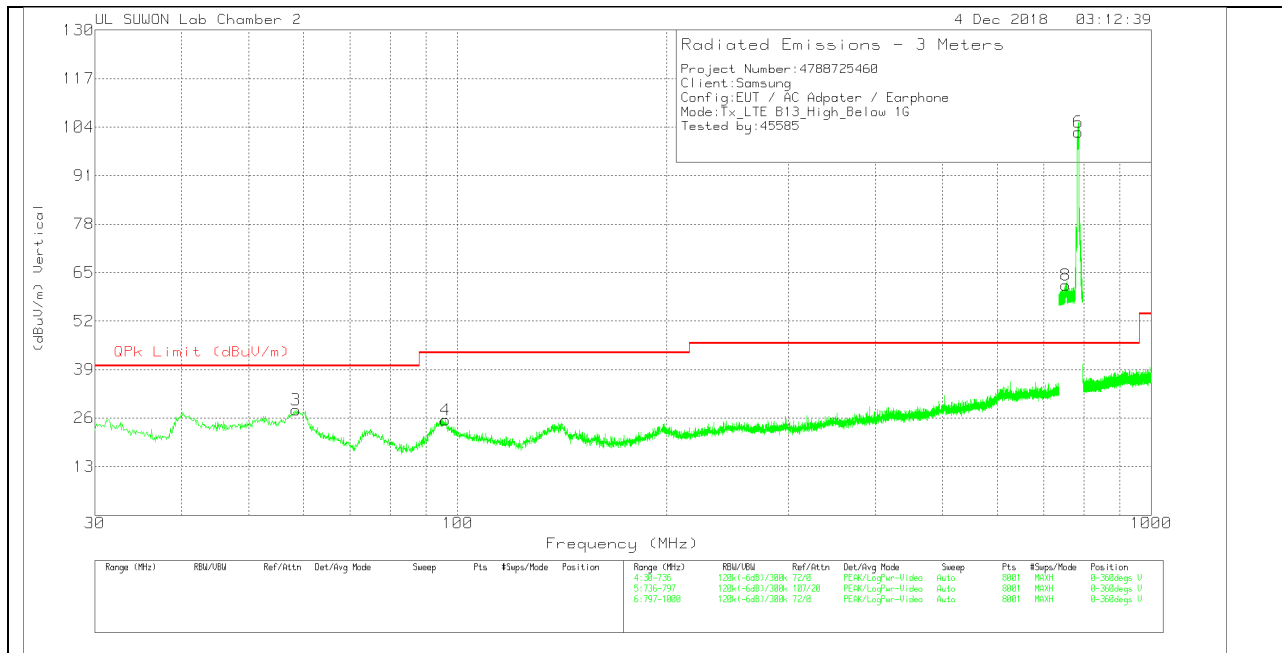
Note: Unwanted emissions captured from 777MHz to 787MHz and from 746MHz to 756MHz were the TX and RX signals generated from the call-simulator.

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	58.593	7.99	Pk	18.8	.8	27.59	40	-12.41	0-360	400	H
2	95.8345	8.74	Pk	17.3	1	27.04	43.52	-16.48	0-360	300	H
5	784.6628	77.78	Pk	26.7	3	107.48	46.02	61.46	0-360	100	H
7	753.5909	31.39	Pk	26.9	3	61.29	46.02	15.27	0-360	100	H
3	58.4165	8.52	Pk	18.8	.8	28.12	40	-11.88	0-360	300	V
4	96.011	7.13	Pk	17.4	1	25.53	43.52	-17.99	0-360	100	V
6	784.9449	72.87	Pk	26.7	3	102.57	46.02	56.55	0-360	100	V
8	753.4841	31.65	Pk	26.9	3	61.55	46.02	15.53	0-360	200	V

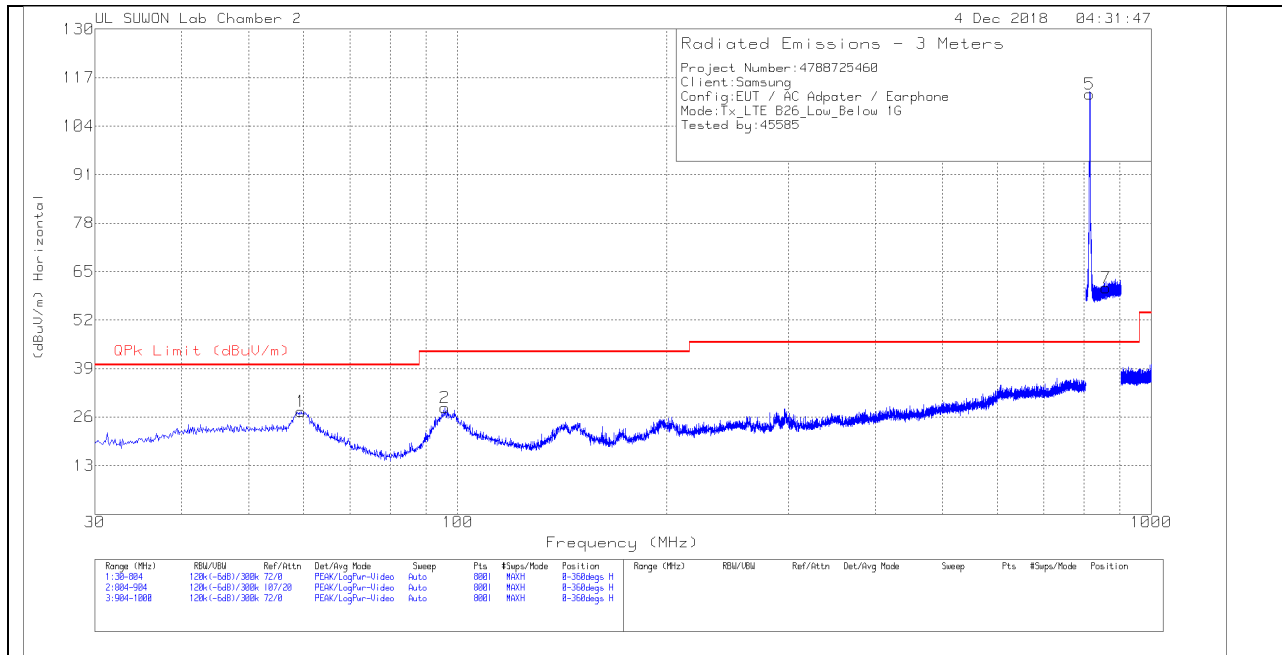
Pk - Peak detector

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

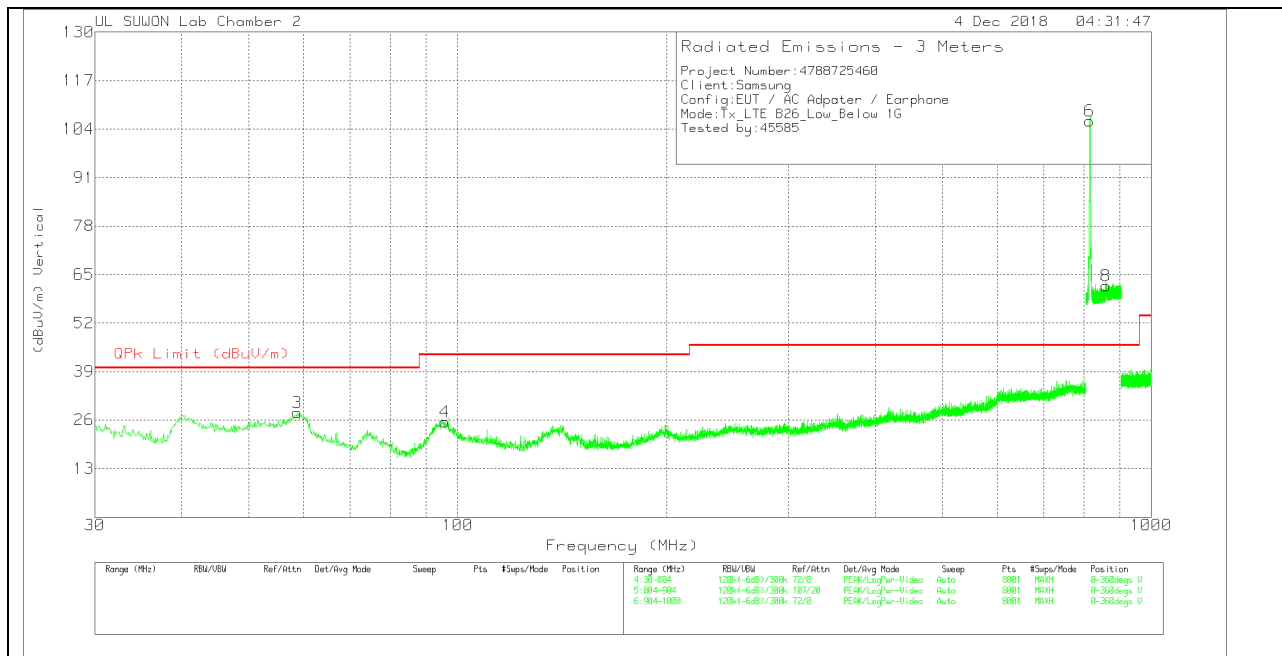
4.12. Below 1 GHz in the LTE Band 26

LOW CHANNEL(860.5MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

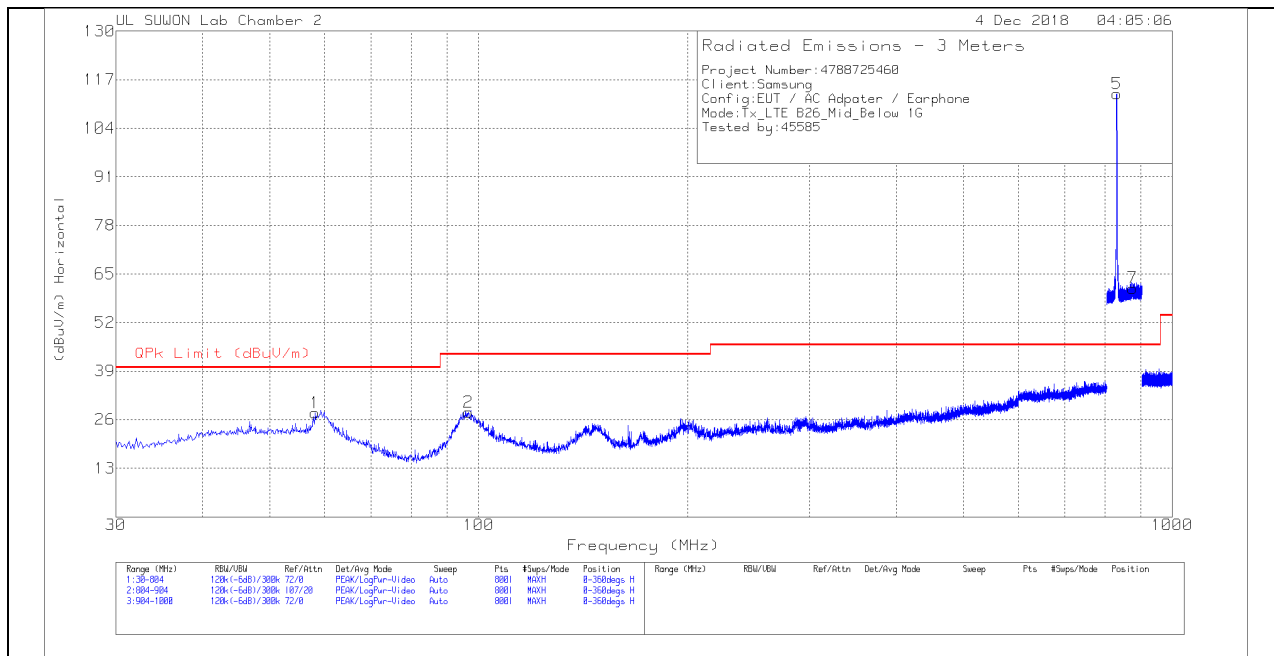
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_749	Bypass_Below_1G[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	59.5088	8.11	Pk	18.6	.8	27.51	40	-12.49	0-360	400	H
2	95.8868	10.19	Pk	17.3	1	28.49	43.52	-15.03	0-360	200	H
5	815.4625	82.34	Pk	27.1	3.1	112.54	46.02	66.52	0-360	100	H
7	860.65	29.74	Pk	27.6	3.2	60.54	46.02	14.52	0-360	400	H
3	58.7348	8.52	Pk	18.7	.8	28.02	40	-11.98	0-360	300	V
4	95.8868	7.18	Pk	17.3	1	25.48	43.52	-18.04	0-360	100	V
6	815.6	75.92	Pk	27.1	3.1	106.12	46.02	60.1	0-360	100	V
8	860.75	31.08	Pk	27.6	3.2	61.88	46.02	15.86	0-360	100	V

Pk - Peak detector

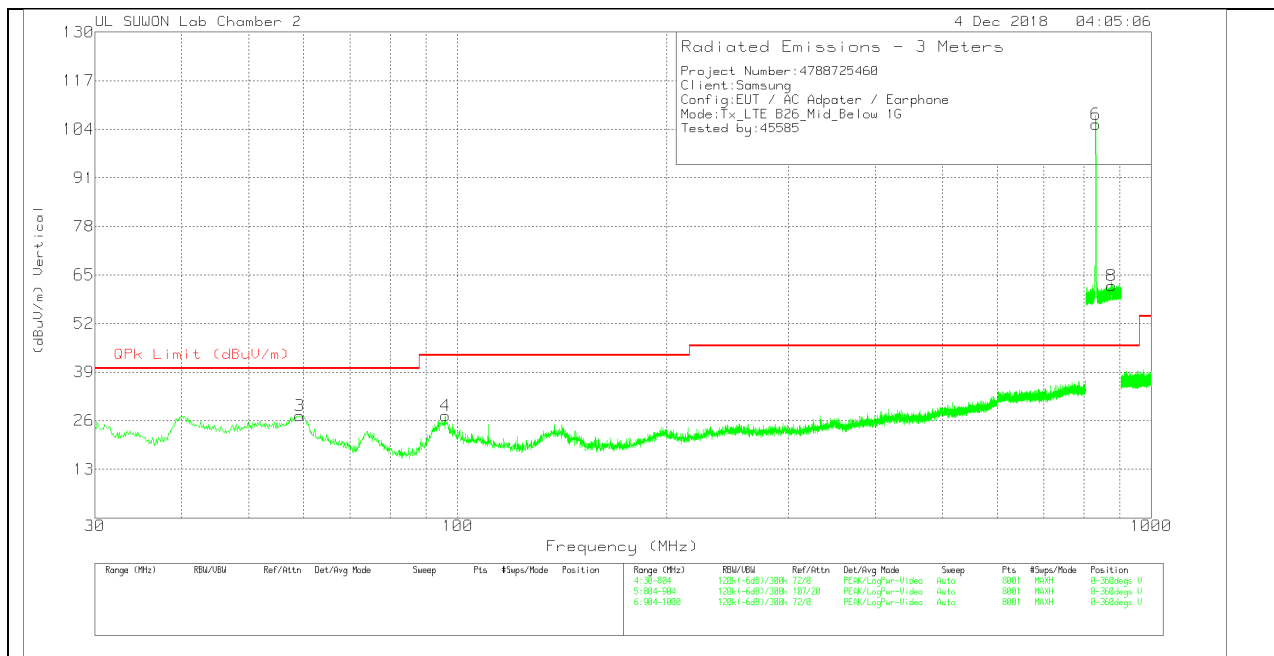
Note: Unwanted emissions captured from 814MHz to 849MHz and from 859MHz to 894MHz were the TX and RX signals generated from the call-simulator.

MID CHANNEL(876.5MHz)

HORIZONTAL PEAK PLOT



VERTICAL PEAK PLOT



DATA

Trace Markers

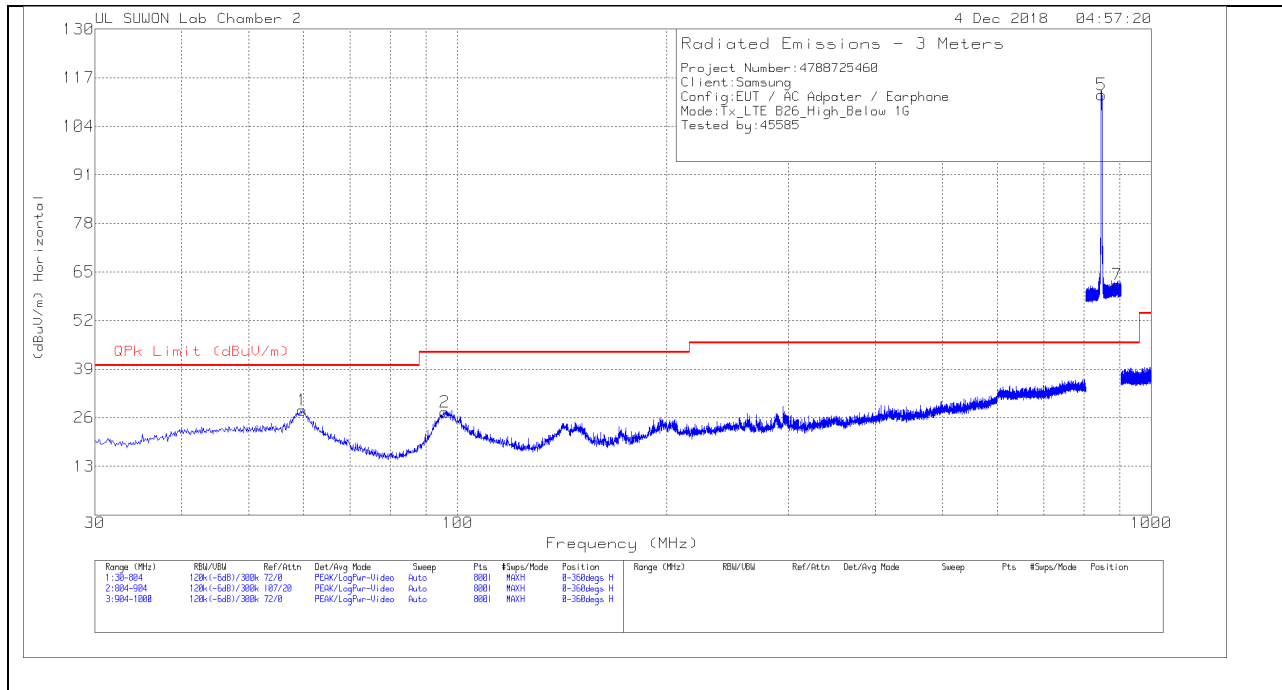
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	VULB9163_749	Bypass_Below_1G[dB]	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	58.1543	8.19	Pk	18.8	.8	27.79	40	-12.21	0-360	400	H
2	96.564	9.54	Pk	17.4	1.1	28.04	43.52	-15.48	0-360	300	H
5	831.375	83.04	Pk	27.1	3.1	113.24	46.02	67.22	0-360	100	H
7	876.75	30	Pk	28	3.2	61.2	46.02	15.18	0-360	100	H
3	59.2185	7.87	Pk	18.7	.8	27.37	40	-12.63	0-360	300	V
4	95.9835	8.85	Pk	17.4	1	27.25	43.52	-16.27	0-360	100	V
6	831.4375	75.16	Pk	27.1	3.1	105.36	46.02	59.34	0-360	200	V
8	876.55	30.99	Pk	28	3.2	62.19	46.02	16.17	0-360	100	V

Pk - Peak detector

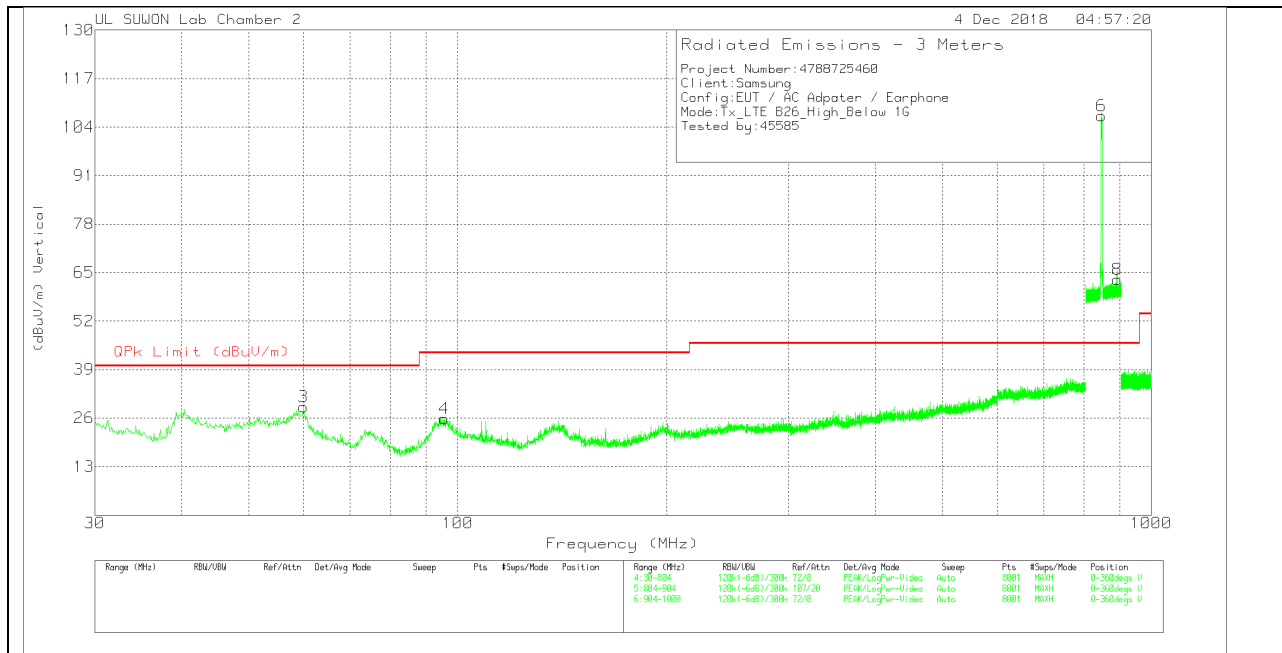
Note: Unwanted emissions captured from 814MHz to 849MHz and from 859MHz to 894MHz were the TX and RX signals generated from the call-simulator.

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	59.7023	8.66	Pk	18.6	.8	28.06	40	-11.94	0-360	400	H
2	95.79	9.16	Pk	17.3	1	27.46	43.52	-16.06	0-360	300	H
5	847.3625	81.97	Pk	27.3	3.2	112.47	46.02	66.45	0-360	100	H
7	892.45	30.32	Pk	28	3.3	61.62	46.02	15.6	0-360	200	H
3	59.9925	9.72	Pk	18.5	.8	29.02	40	-10.98	0-360	100	V
4	95.6933	7.51	Pk	17.3	1	25.81	43.52	-17.71	0-360	100	V
6	847.425	76.57	Pk	27.3	3.2	107.07	46.02	61.05	0-360	100	V
8	892.6	31.77	Pk	28	3.3	63.07	46.02	17.05	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.