

TEST REPORT

Report Number: 14938215-E7V3

Applicant : Samsung Electronics Co., Ltd.
129 Samsung-Ro, Yeongtong-Gu
Suwon-Si, Gyeonggi-Do, 16677, Korea

Model : SM-A256E/DSN and SM-A256E/N

FCC ID : A3LSMA256E

EUT Description : GSM/WCDMA/LTE/5G Phone with BT/BLE, DTS/UNII
a/b/g/n/ac, NFC

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

Date Of Issue:

2023-11-03

Prepared by:

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Revision History

<u>Rev.</u>	<u>Issue Date</u>	<u>Revisions</u>	<u>Revised By</u>
V1	2023-10-27		
V2	2023-11-01	Updated Sections 1, 4.2, 5.3, 5.4, 6, and 8	Steven Tran
V3	2023-11-03	Updated Sections 4.3, 5.3, and 8	Benjamin D.

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1. ATTESTATION OF TEST RESULTS

Applicant Name and Address	SAMSUNG ELECTRONICS CO., LTD. 129 SAMSUNG-RO, YEONGTONG-GU, SUWON-SI, GYEONGGI-DO, 16677, KOREA
Model	SM-A256E/DSN AND SM-A256E/N
FCC ID	A3LSMA256E
EUT Description	GSM/WCDMA/LTE/5G PHONE WITH BT/BLE, DTS/UNII A/B/G/N/AC, NFC
Serial Number	Conducted: R3CW50B7JLN Radiated: R3CW70X5MRF, R3CW70X5MQD
Date Tested	October 5 th – 30 th , 2023
Applicable Standards	PART 15 SUBPART B
Test Results	COMPLIES

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

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

This document may not be altered or revised in any way unless done so by UL LLC and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL LLC will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by A2LA, NIST, any agency of the Federal Government, or any agency of the U.S. government.

Approved & Released By: 	Prepared By: 
Dan Corona Operations Leader UL Verification Services Inc.	Kiya Kedida Senior Project Engineer UL Verification Services Inc.

2. TEST METHODOLOGY

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

- FCC CFR 47 Part 2
- FCC CFR 47 Part 15B
- ANSI C63.4:2014

3. FACILITIES AND ACCREDITATION

UL Verification Services Inc. is accredited by A2LA, Certificate Number 0751.05, for all testing performed within the scope of this report. Testing was performed at the locations noted below.

	Address	ISED CABID	ISED Company Number	FCC Registration
<input type="checkbox"/>	Building 1: 47173 Benicia Street, Fremont, CA 94538 USA	US0104	2324A	550739
<input type="checkbox"/>	Building 2: 47266 Benicia Street, Fremont, CA 94538 USA			
<input checked="" type="checkbox"/>	Building 3: 843 Auburn Court, Fremont, CA 94538 USA			
<input type="checkbox"/>	Building 4: 47658 Kato Rd, Fremont, CA 94538 USA			
<input type="checkbox"/>	Building 5: 47670 Kato Rd, Fremont, CA 94538 USA			

4. DECISION RULES AND MEASUREMENT UNCERTAINTY

4.1. METROLOGICAL TRACEABILITY

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

4.2. DECISION RULES

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

4.3. MEASUREMENT UNCERTAINTY

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

PARAMETER	U_{Lab}
Radio Frequency (Spectrum Analyzer)	141.16 Hz
Worst Case Radiated Disturbance, 9KHz to 30 MHz	2.87 dB
Worst Case Radiated Disturbance, 30 to 1000 MHz	6.01 dB
Worst Case Radiated Disturbance, 1000 to 18000 MHz	4.73 dB

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

4.4. SAMPLE CALCULATION

RADIATED EMISSIONS

Where relevant, the following sample calculation is provided:

Field Strength (dBuV/m) = Measured Voltage (dBuV) + Antenna Factor (dB/m) + Cable
Loss (dB) – Preamp Gain (dB)

36.5 dBuV + 18.7 dB/m + 0.6 dB – 26.9 dB = 28.9 dBuV/m

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

The EUT is a GSM/WCDMA/LTE/5G Phone with BT/BLE, DTS/UNII a/b/g/n/ac and NFC.

5.2. TEST MODE

Mode	Description
GSM 850	Communication with Callbox Simulator (CMW500)
WCDMA BAND 5	Communication with Callbox Simulator (CMW500)
LTE BAND 5	Communication with Callbox Simulator (CMW500)
LTE BAND 12	Communication with Callbox Simulator (CMW500)
LTE BAND 13	Communication with Callbox Simulator (CMW500)
LTE BAND 26	Communication with Callbox Simulator (CMW500)
5G NR n5	Communication with Callbox Simulator (UXM 5G)
5G NR n26	Communication with Callbox Simulator (UXM 5G)

5.3. WORST-CASE CONFIGURATION AND MODE

For GSM 850, WCDMA Band 5, LTE Band 5, 12, 13, 26, and 5G NR n5, n26, the spurious emissions were investigated in three orthogonal orientations X, Y, and Z. It was determined that X orientation was the worst-case orientation.

Note: The EUT is continuously communicated with the call box during the test. It was also attached with travel adapter for the worst case condition

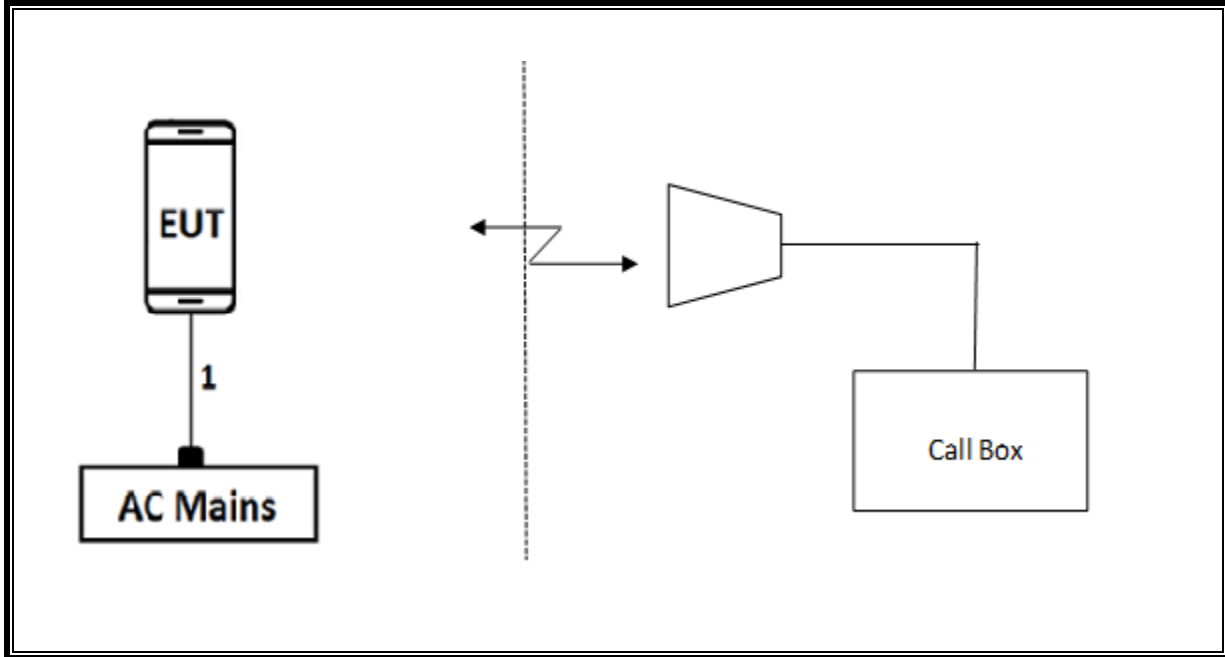
LTE Band 17 (704 - 716 MHz, 5/10 MHz bandwidth) is covered by LTE Band 12 (699 - 716 MHz). Because it is a subset of LTE band 12 and they have same output power and channel bandwidth.

AC Line Conducted tests in compliance with FCC Part 15B were performed in EMC test report (LBE20230479 SM-A256E-DSN EMC Test Report FCC Cer Issue 0)

5.4. DESCRIPTION OF TEST SETUP

SUPPORT TEST EQUIPMENT						
Description		Manufacturer	Model	Serial Number	FCC ID/ DoC	
AC Adapter		Samsung	EP-TA800	R37MAMT21J2SE3	N/A	
Earphone		Samsung	N/A	N/A	N/A	
I/O CABLES (RF RADIATED TEST)						
Cable No.	Port	# of Identical Ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	USB	1	USB	Shielded	1	N/A

RADIATED 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	ID Num	Cal Due	Last Cal
Spectrum Analyzer, PXA, 3Hz to 44GHz	Keysight Technologies Inc	N9030A	85313	7/31/2024	7/31/2023
Wideband Communication Test Set, Call Box	Rohde & Schwarz	CMW500	222797	5/9/2024	5/31/2023
Antenna, Horn 1-18GHz	ETS-Lindgren (Cedar Park, Texas)	3117	200897	3/31/2024	3/7/2023
RF Filter Box, 1-18GHz, 12 Port.	UL-FR1	Frankenstein	231874	8/30/2024	8/23/2023
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	PRE0179372	2/29/2024	2/17/2023
Antenna, Horn 1-18GHz	ETS-Lindgren (Cedar Park, Texas)	3117	230300	1/12/2024	1/12/2023
RF Filter Box, 1-18GHz, 12 Port.	UL-FR1	Frankenstein	231875	9/18/2024	9/30/2023
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	170063	2/29/2024	2/27/2023
Antenna, Horn 1-18GHz	ETS-Lindgren (Cedar Park, Texas)	3117	226672	1/9/2024	1/9/2023
RF Filter Box, 1-18GHz, 17 Ports	UL-FR1	RATS 2	225079	4/30/2024	4/21/2023
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	235670	4/30/2024	4/6/2023
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	223084	10/25/2023	10/25/2022
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	200785	10/25/2023	10/25/2022
Antenna, Broadband Hybrid, 30MHz-3GHz	Sunol Sciences Corp	JB3	235173	04/30/2024	04/11/2023
Amplifier 9kHz-1GHz	Sonoma Instrument	310N	230311	01/31/2024	01/10/2023
Antenna, Broadband Hybrid,	Sunol Sciences Corp	JB3	235174	04/30/2024	04/11/2023
Amplifier 9kHz-1GHz	Sonoma Instrument	310N	230308	01/31/2024	01/10/2023
Wideband Communication Test Set, Call Box	Rohde & Schwarz (Koeln) GmbH & Co. KG	CMW500	80105	2/29/2024	2/17/2023
Wideband Communication Test Set, Call Box	Rohde & Schwarz (Koeln) GmbH & Co. KG	CMW500	80581	2/29/2024	2/16/2023
UXM 5G Wireless Test Set	Keysight	E7515B	207269	10/16/2023	10/31/2024
Test Software List					
Radiated Software	UL	UL EMC	Ver 9.5, May 1, 2023		

7. RADIATED TEST RESULTS

7.1. 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:

Limit for radiated disturbance of Class B ITE at measuring distance of 3 meter	
Frequency Range (MHz)	Quasi-Peak limit (dBuV/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.

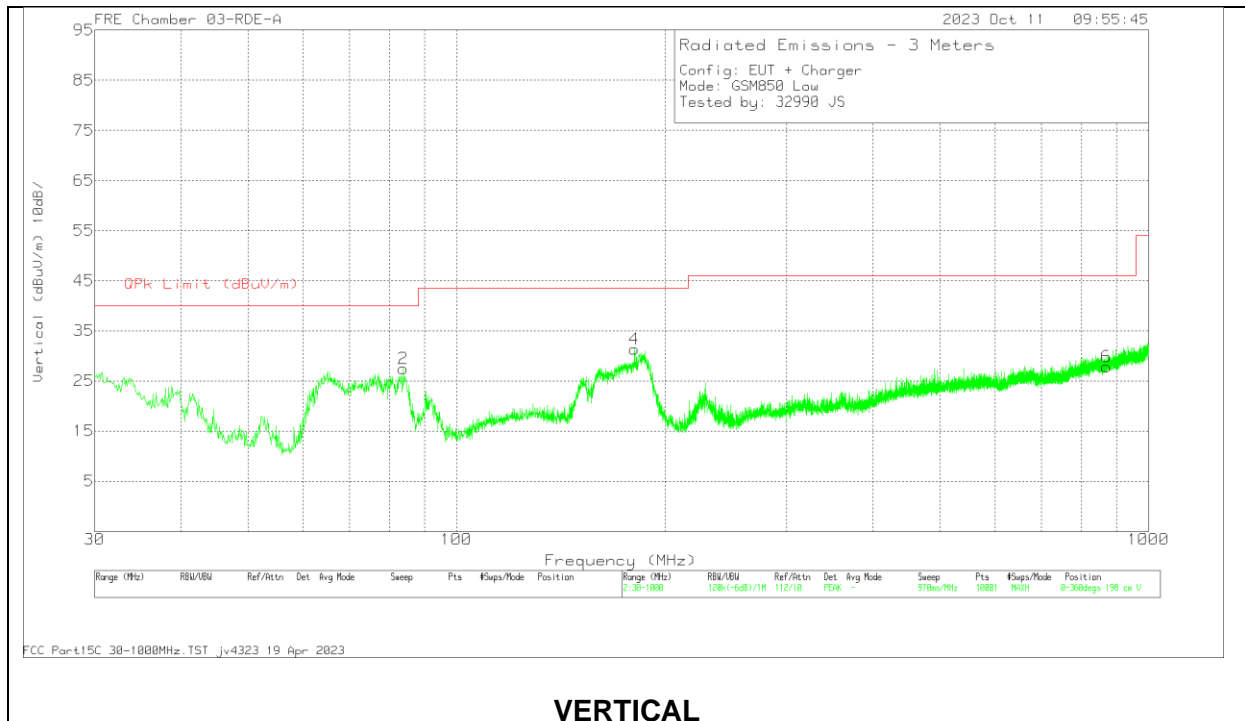
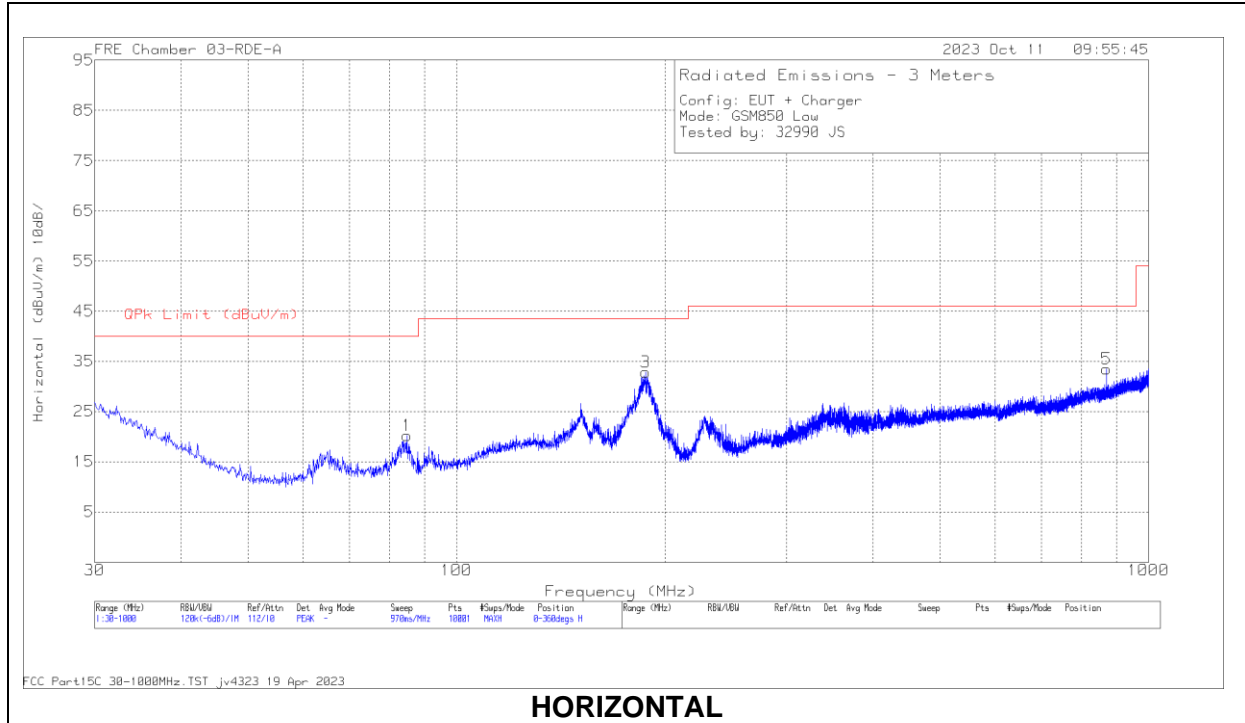
RESULTS

8. DATA FOR 15B RECEIVER MODE

8.1. GSM 850

8.1.1. BELOW 1GHz

LOW CHANNEL

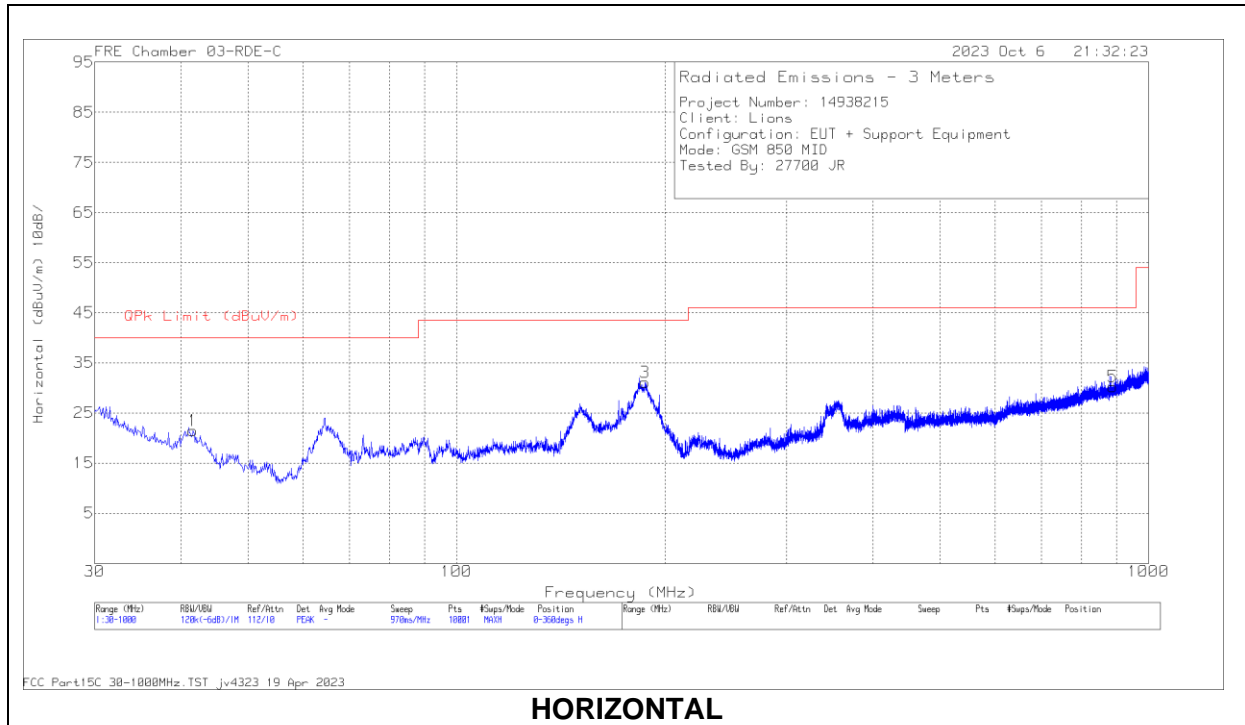


RADIATED EMISSIONS

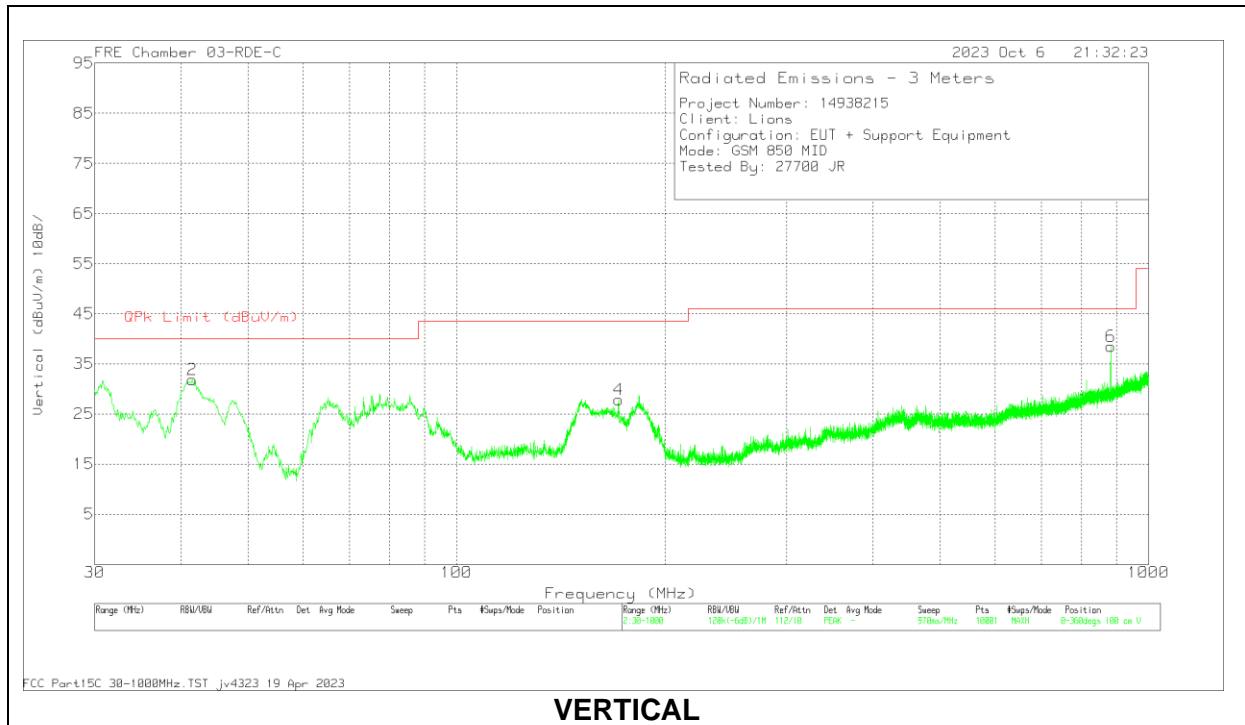
Frequency (MHz)	Meter Reading (dBuV)	Det	235173 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
84.5576	38.77	Pk	13.5	-30.5	21.77	40	-18.23	70	208	H
84.6374	31.10	Qp	13.5	-30.5	14.10	40	-25.90	70	208	H
83.8513	38.17	Qp	13.5	-30.5	21.17	40	-18.83	328	112	V
83.9066	45.69	Pk	13.5	-30.5	28.69	40	-11.31	328	112	V
187.7600	39.95	Qp	17	-29.7	27.25	43.52	-16.27	242	251	H
188.0730	44.64	Pk	17	-29.7	31.94	43.52	-11.58	242	251	H
180.7900	46.78	Pk	17	-29.7	34.08	43.52	-9.44	287	116	V
180.8530	40.54	Qp	17	-29.7	27.84	43.52	-15.68	287	116	V
869.1920	30.24	Qp	27.6	-26.4	31.44	46.02	-14.58	87	125	H
869.2370	34.94	Pk	27.6	-26.4	36.14	46.02	-9.88	87	125	H
869.3780	29.92	Pk	27.6	-26.4	31.12	46.02	-14.90	173	116	V
869.5190	19.26	Qp	27.7	-26.4	20.56	46.02	-25.46	173	116	V

Pk - Peak detector
 Qp - Quasi-Peak detector

MID CHANNEL



HORIZONTAL



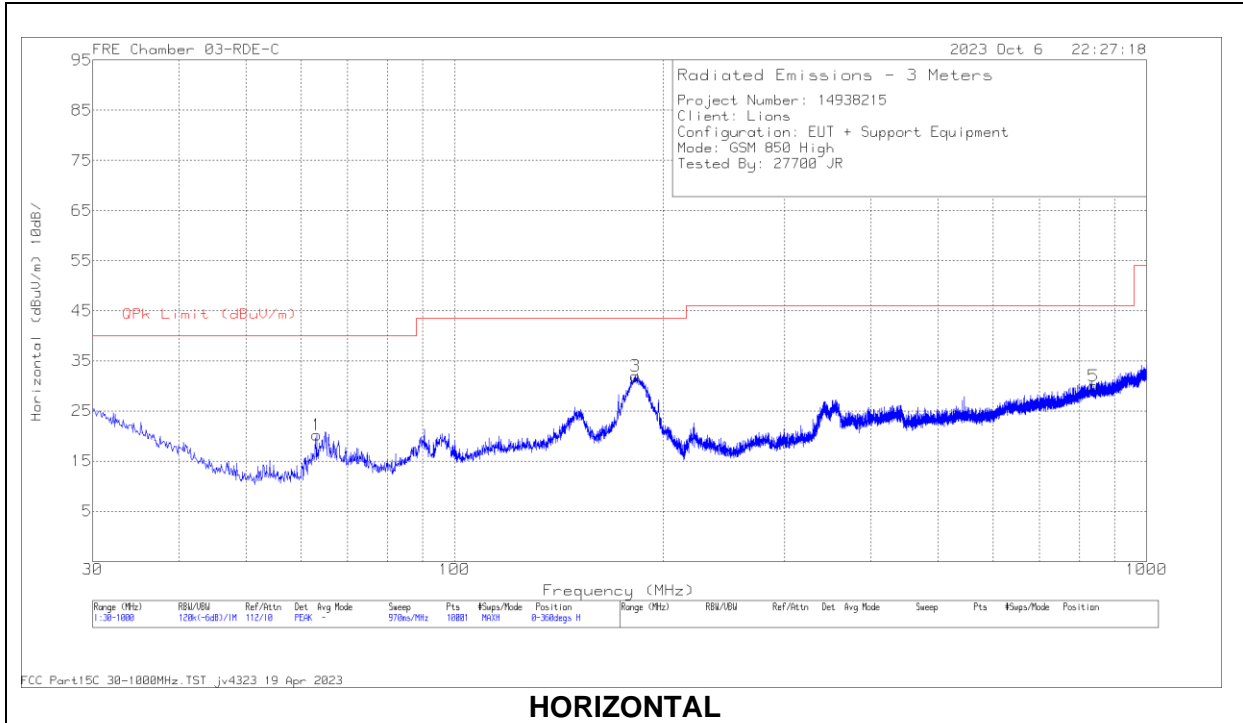
VERTICAL

RADIATED EMISSIONS

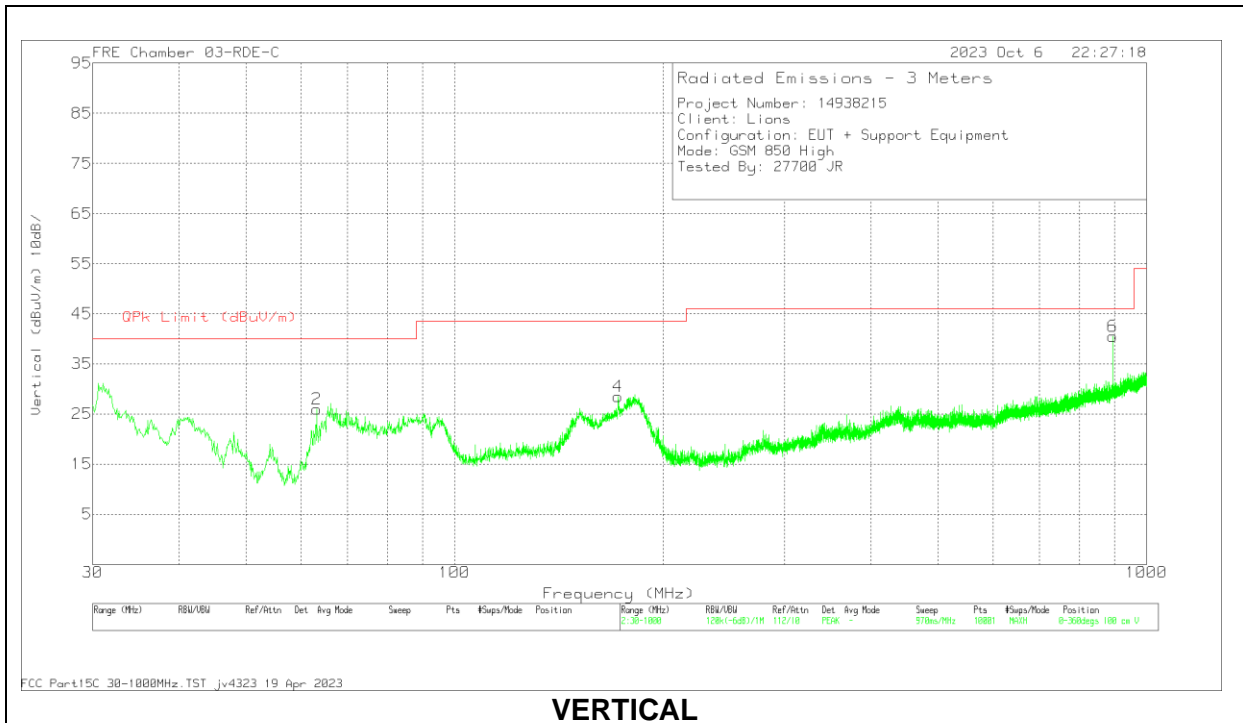
Frequency (MHz)	Meter Reading (dBuV)	Det	235174 ACF (dB/m) 10m H	Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
41.2668	22.86	Qp	18.5	-31.4	9.96	40	-30.04	282	275	H
40.8313	33.14	Qp	18.8	-31.4	20.54	40	-19.46	90	154	V
181.4390	43.11	Qp	17.3	-30.4	30.01	43.52	-13.51	235	111	H
182.7240	38.34	Qp	17.3	-30.3	25.34	43.52	-18.18	282	108	V
881.6410	24.84	Qp	27.8	-26.9	25.74	46.02	-20.28	42	315	H
881.5370	38.29	Qp	27.8	-26.9	39.19	46.02	-6.83	278	154	V

Qp - Quasi-Peak detector

HIGH CHANNEL



HORIZONTAL



VERTICAL

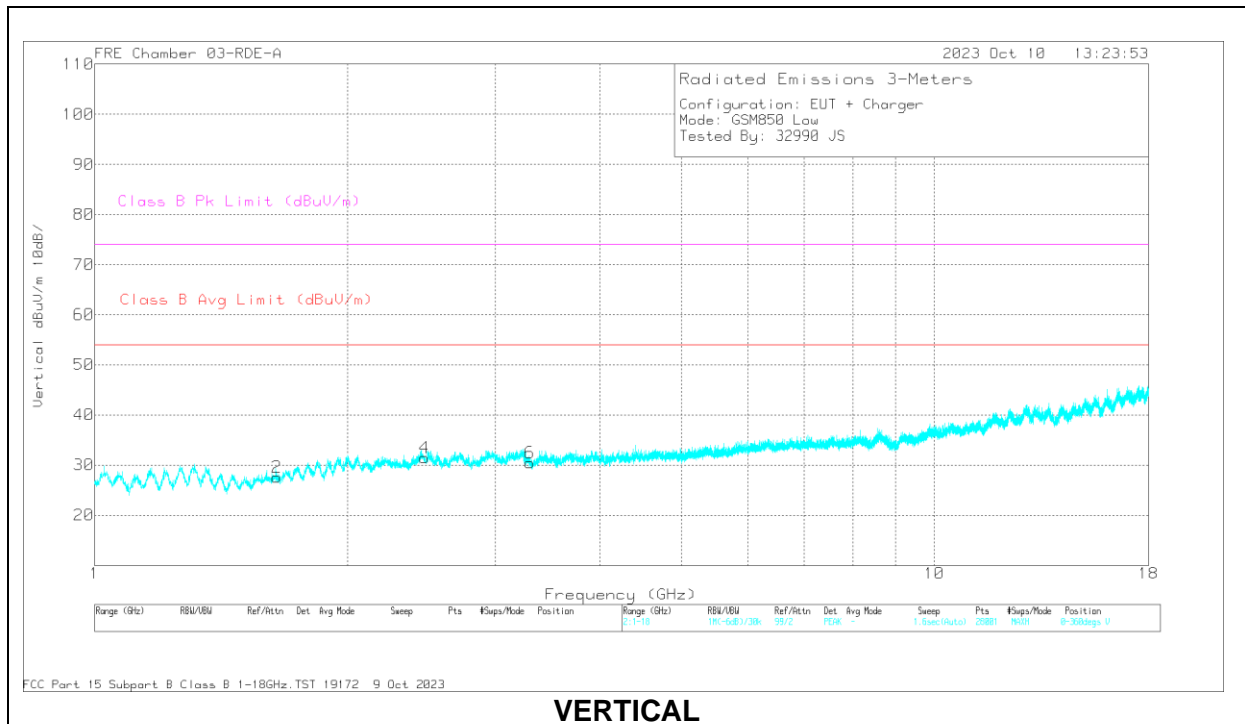
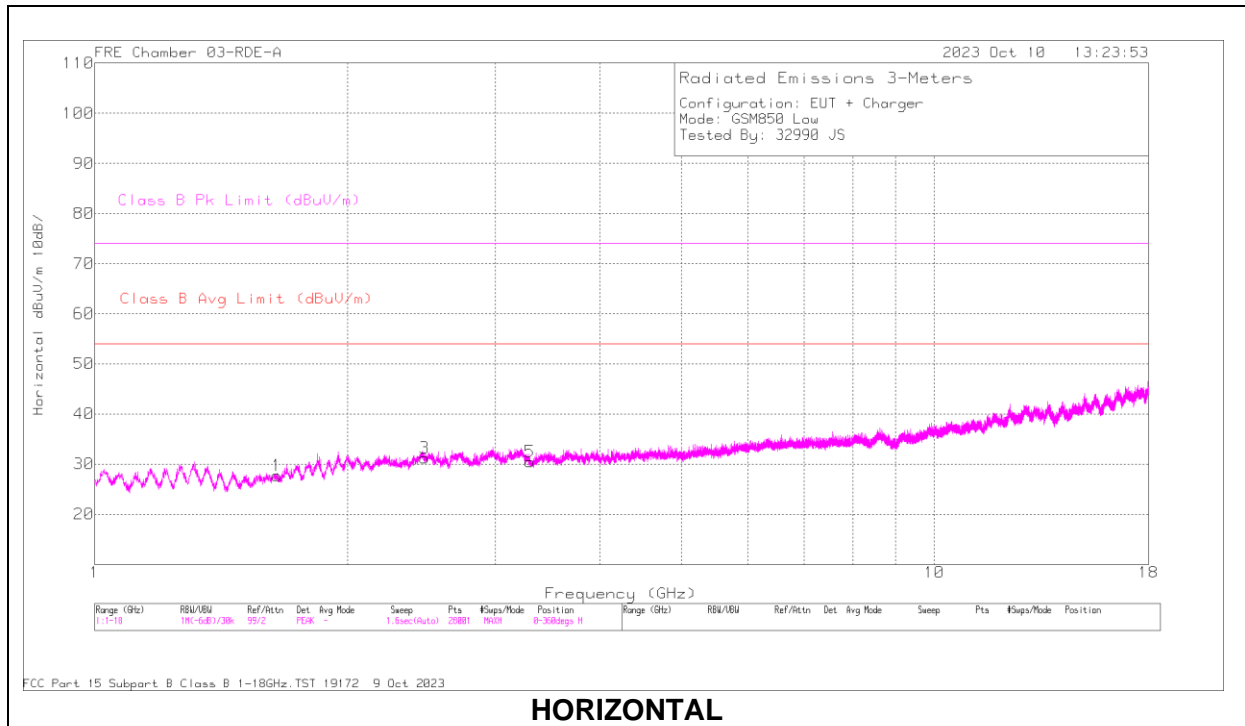
RADIATED EMISSIONS

Frequency (MHz)	Meter Reading (dBuV)	Det	235174 ACF (dB/m) 10m H	Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
66.8761	31.15	Qp	13.9	-31.1	13.95	40	-26.05	173	206	H
66.1141	36.07	Qp	13.9	-31	18.97	40	-21.03	189	165	V
182.6450	42.68	Qp	17.3	-30.3	29.68	43.52	-13.84	251	138	H
182.7260	37.51	Qp	17.3	-30.3	24.51	43.52	-19.01	260	147	V
911.7640	18.93	Qp	28	-26.7	20.23	46.02	-25.79	68	249	H
893.8370	40.71	Qp	27.9	-26.9	41.71	46.02	-4.31	22	133	V

Qp - Quasi-Peak detector

8.1.2. ABOVE 1GHz

LOW CHANNEL

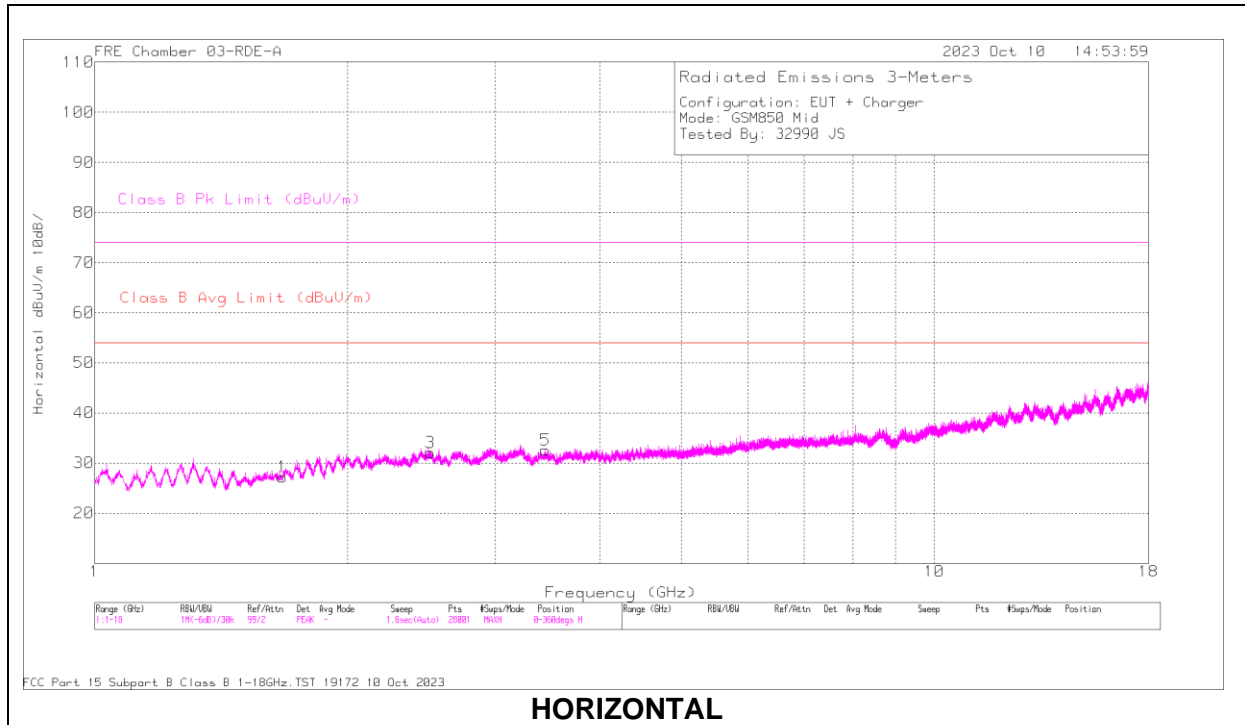


RADIATED EMISSIONS

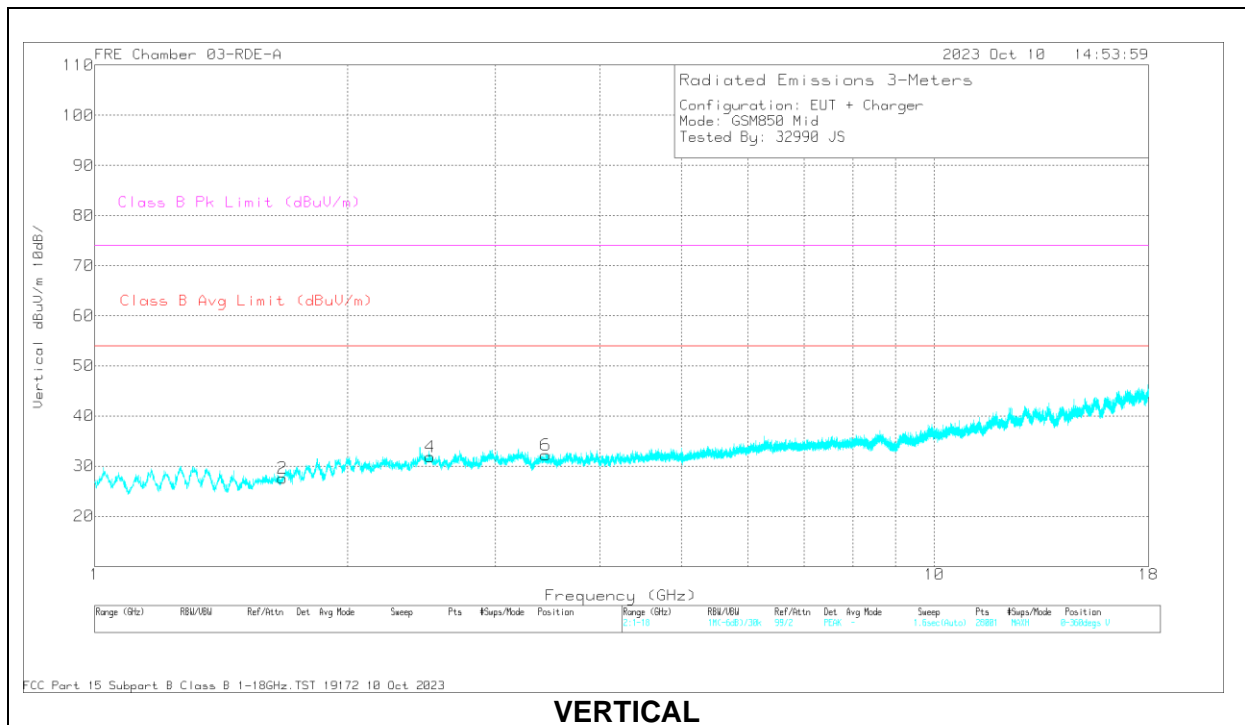
Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF 3m (dB/m)	Gain/Loss (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.646649	45.26	Av	28.7	-49.53	24.43	54	-29.57	-	-	203	204	H
1.646748	58.99	Pk	28.7	-49.54	38.15	-	-	74	-35.85	203	204	H
1.646639	45.27	Av	28.7	-49.53	24.44	54	-29.56	-	-	188	166	V
1.650182	59.49	Pk	28.7	-49.55	38.64	-	-	74	-35.36	188	166	V
2.470654	45.36	Av	32.1	-49.18	28.28	54	-25.72	-	-	282	182	H
2.471844	58.37	Pk	32.1	-49.23	41.24	-	-	74	-32.76	282	182	H
2.473010	59.21	Pk	32.1	-49.19	42.12	-	-	74	-31.88	114	212	V
2.474089	45.18	Av	32.1	-49.12	28.16	54	-25.84	-	-	114	212	V
3.296632	55.58	Pk	32.7	-46.56	41.72	-	-	74	-32.28	199	170	H
3.296750	41.54	Av	32.7	-46.55	27.69	54	-26.31	-	-	199	170	H
3.296615	41.54	Av	32.7	-46.56	27.68	54	-26.32	-	-	252	124	V
3.297560	54.92	Pk	32.7	-46.49	41.13	-	-	74	-32.87	252	124	V

Pk - Peak detector
 Av - Average detection

MID CHANNEL



HORIZONTAL



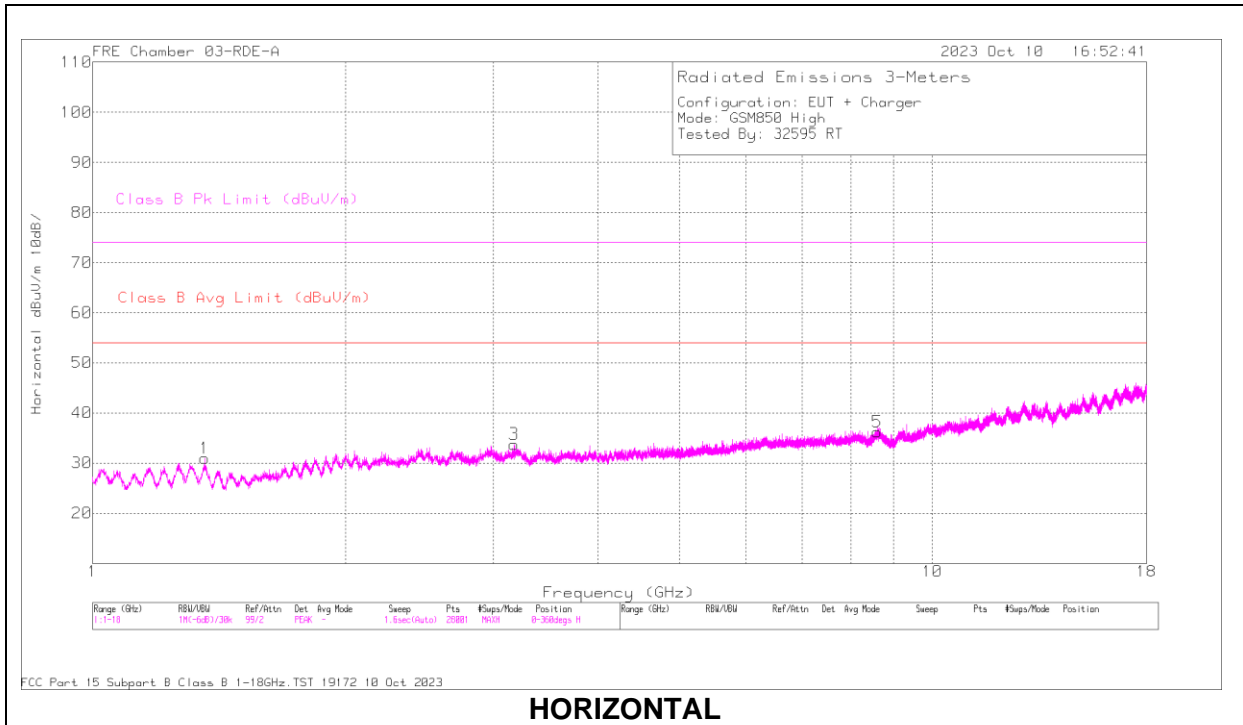
VERTICAL

RADIATED EMISSIONS

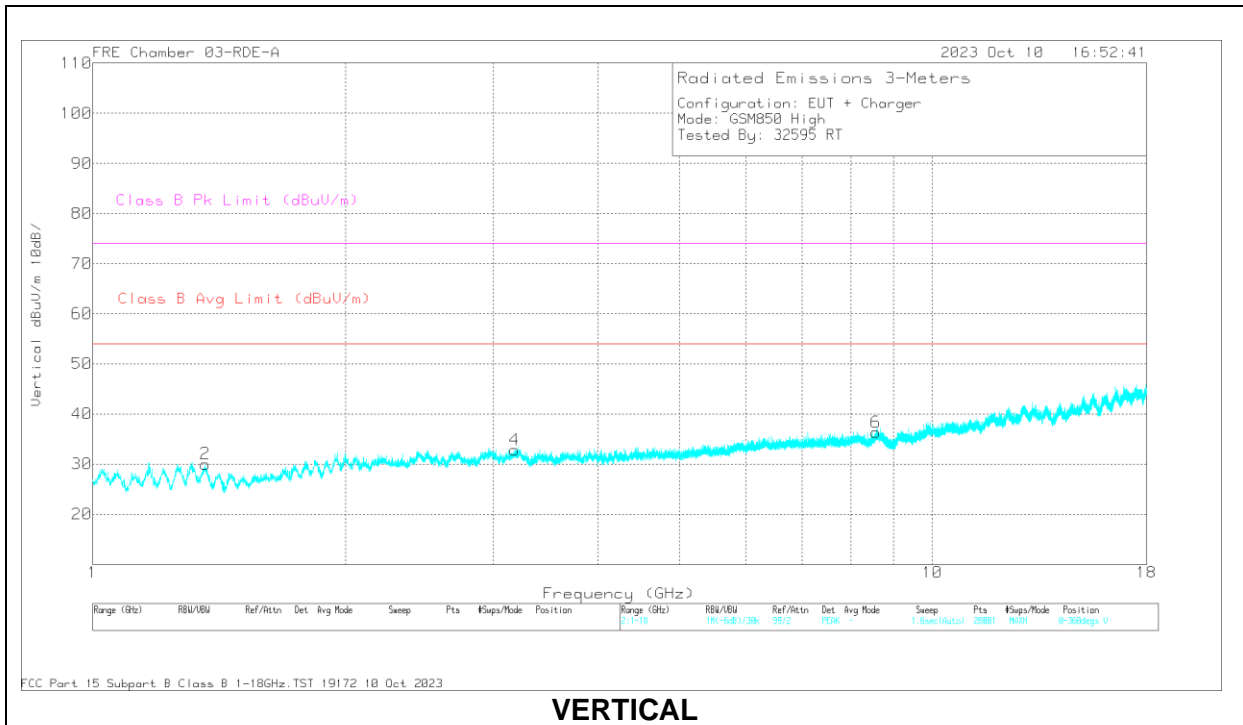
Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF 3m (dB/m)	Gain/Loss (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.672284	58.23	Pk	29	-49.46	37.77	-	-	74	-36.23	316	115	H
1.675231	44.85	Av	29	-49.60	24.25	54	-29.75	-	-	316	115	H
1.671844	58.04	Pk	29	-49.46	37.58	-	-	74	-36.42	303	168	V
1.671904	44.75	Av	29	-49.46	24.29	54	-29.71	-	-	303	168	V
2.511067	45.00	Av	32.2	-48.56	28.64	54	-25.36	-	-	270	188	H
2.511717	58.52	Pk	32.2	-48.52	42.20	-	-	74	-31.8	270	188	H
2.508672	58.34	Pk	32.2	-48.71	41.83	-	-	74	-32.17	38	185	V
2.511160	44.99	Av	32.2	-48.55	28.64	54	-25.36	-	-	38	185	V
3.445221	42.51	Av	32.7	-46.59	28.62	54	-25.38	-	-	132	228	H
3.445399	55.91	Pk	32.7	-46.6	42.01	-	-	74	-31.99	132	228	H
3.445542	56.54	Pk	32.7	-46.61	42.63	-	-	74	-31.37	33	205	V
3.447309	42.52	Av	32.7	-46.75	28.47	54	-25.53	-	-	33	205	V

Pk - Peak detector
 Av - Average detection

HIGH CHANNEL



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

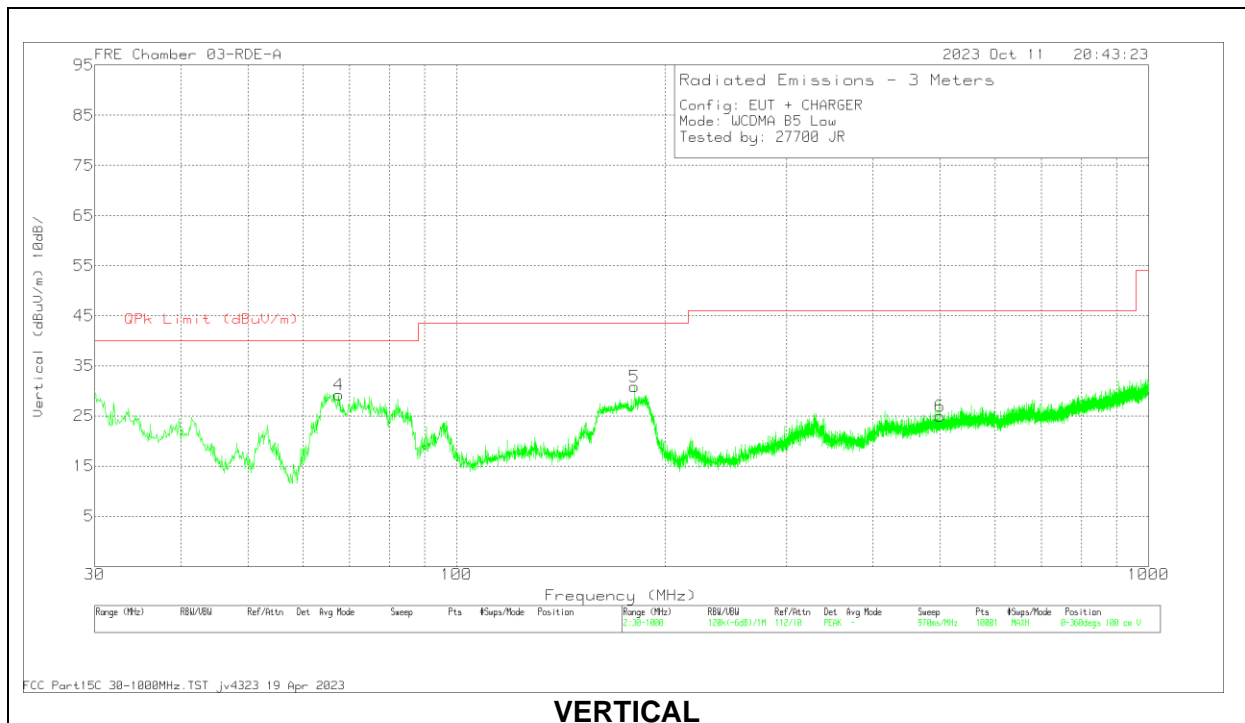
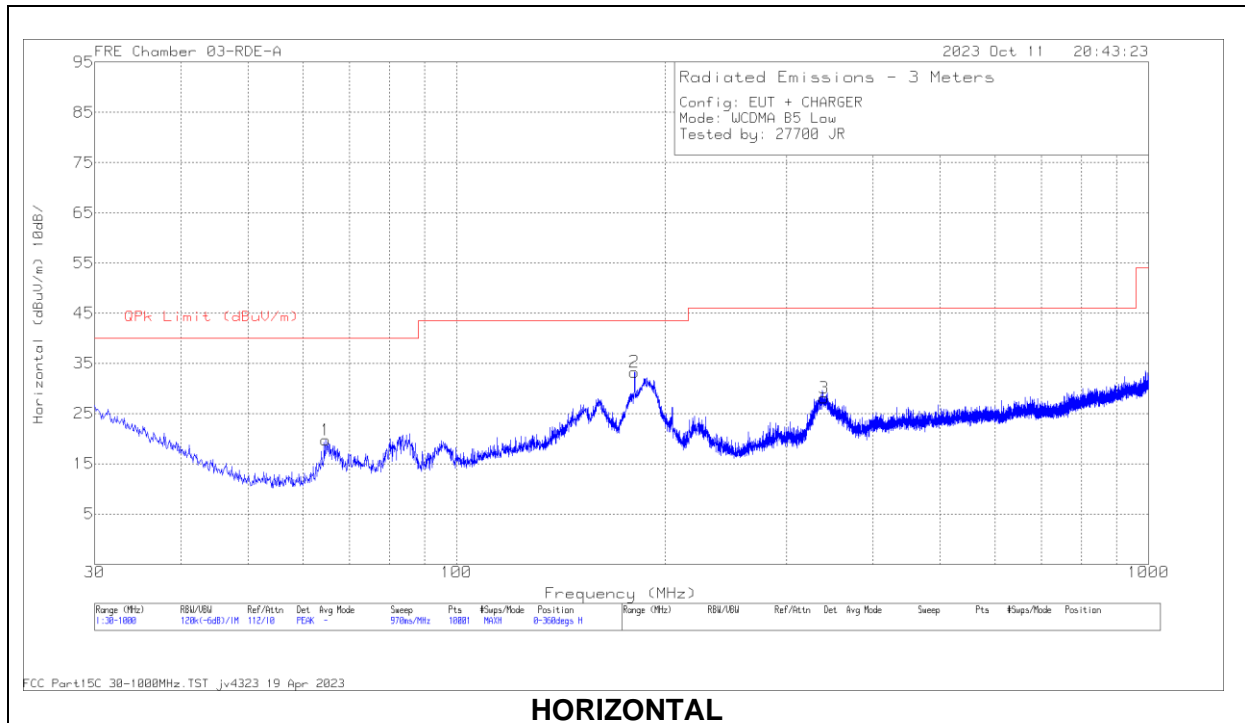
Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF 3m (dB/m)	Gain/Loss (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.358822	49.66	Pk	28.6	-49.38	28.88	-	-	74	-45.12	0	199	H
1.358822	46.69	Av	28.6	-49.38	25.91	54	-28.09	-	-	0	199	H
1.361857	49.79	Pk	28.5	-49.35	28.94	-	-	74	-45.06	0	101	V
1.361857	46.64	Av	28.5	-49.35	25.79	54	-28.21	-	-	0	101	V
3.175393	45.78	Pk	32.9	-47.49	31.19	-	-	74	-42.81	0	101	H
3.175393	43.54	Av	32.9	-47.49	28.95	54	-25.05	-	-	0	101	H
3.180858	49.18	Pk	32.9	-47.31	34.77	-	-	74	-39.23	0	198	V
3.180858	43.59	Av	32.9	-47.31	29.18	54	-24.82	-	-	0	198	V
8.599609	48.90	Pk	35.6	-44.57	39.93	-	-	74	-34.07	0	101	H
8.599609	40.54	Av	35.6	-44.57	31.57	54	-22.43	-	-	0	101	H
8.566216	46.42	Pk	35.7	-44.60	37.52	-	-	74	-36.48	0	101	V
8.566216	40.76	Av	35.7	-44.60	31.86	54	-22.14	-	-	0	101	V

Pk - Peak detector
 Av - Average detection

8.2. WCDMA BAND 5

8.2.1. BELOW 1GHz

LOW CHANNEL

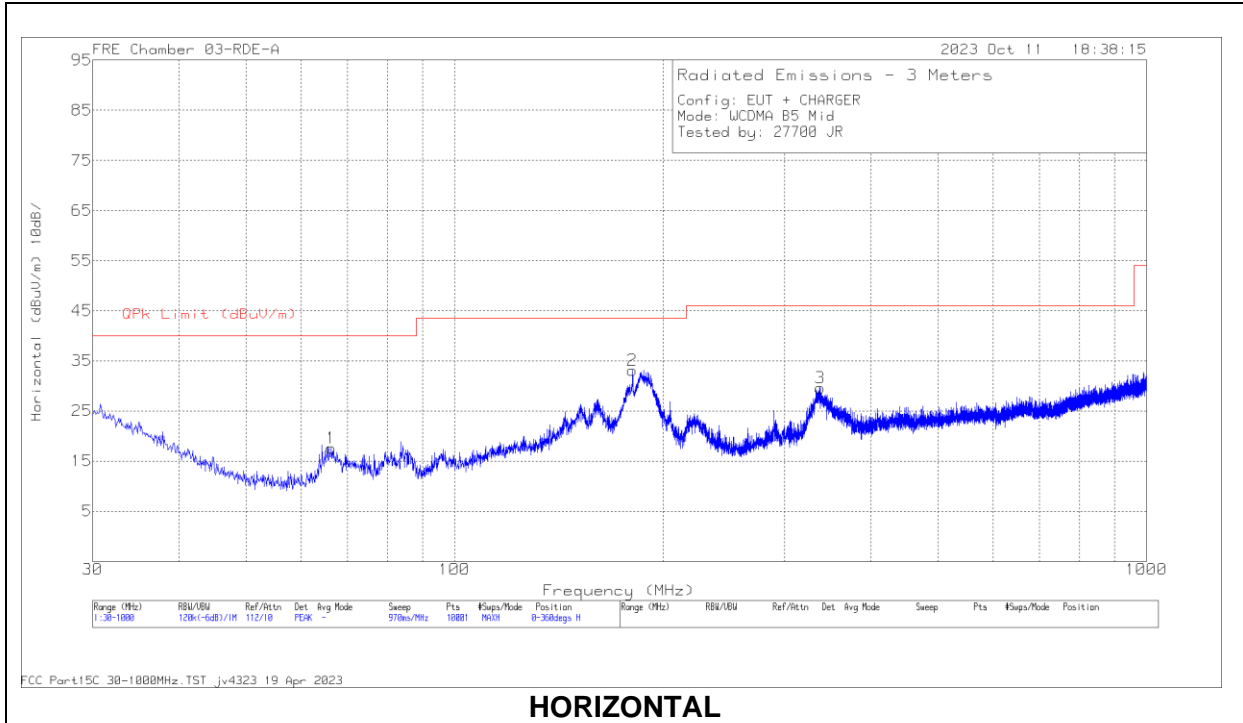


RADIATED EMISSIONS

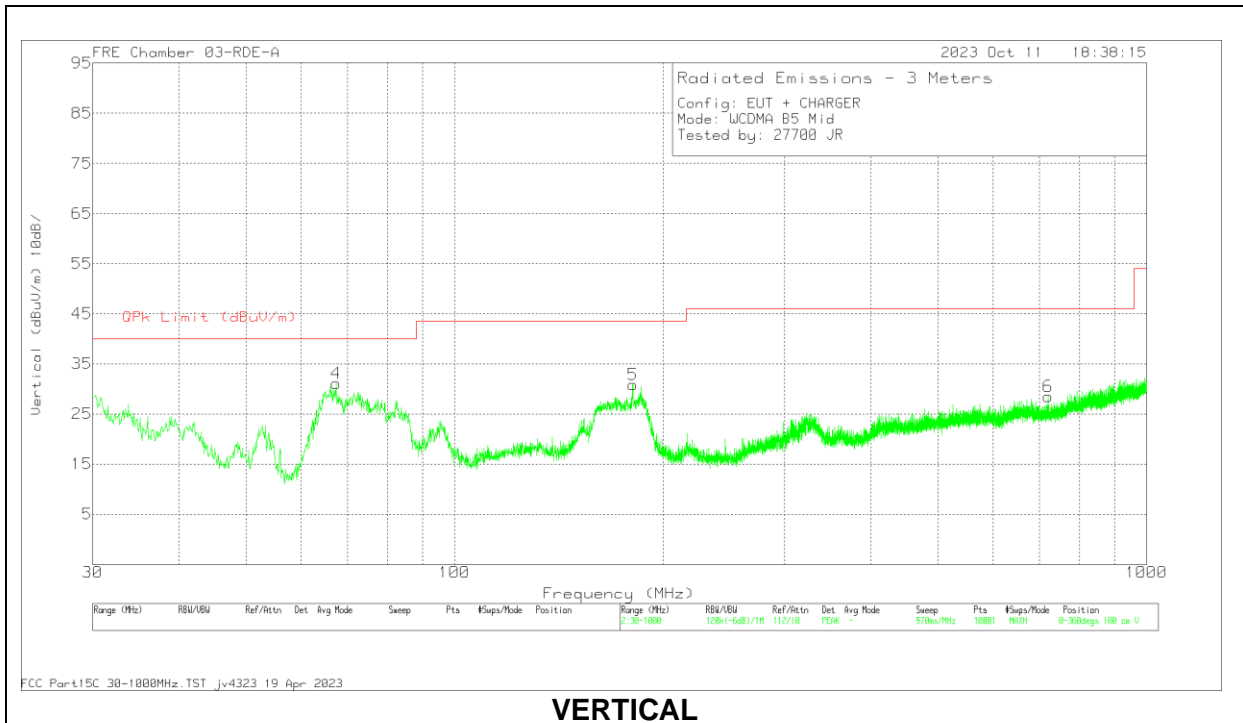
Frequency (MHz)	Meter Reading (dBuV)	Det	235173 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
64.3804	30.17	Qp	13.6	-30.7	13.07	40	-26.93	220	392	H
64.3634	44.56	Qp	13.6	-30.7	27.46	40	-12.54	221	181	V
180.8500	44.17	Qp	17	-29.7	31.47	43.52	-12.05	174	189	H
180.8350	41.57	Qp	17	-29.7	28.87	43.52	-14.65	223	116	V
337.2750	32.14	Qp	19.9	-28.9	23.14	46.02	-22.88	131	128	H
534.7660	20.18	Qp	23.9	-28.2	15.88	46.02	-30.14	211	284	V

Qp - Quasi-Peak detector

MID CHANNEL



HORIZONTAL



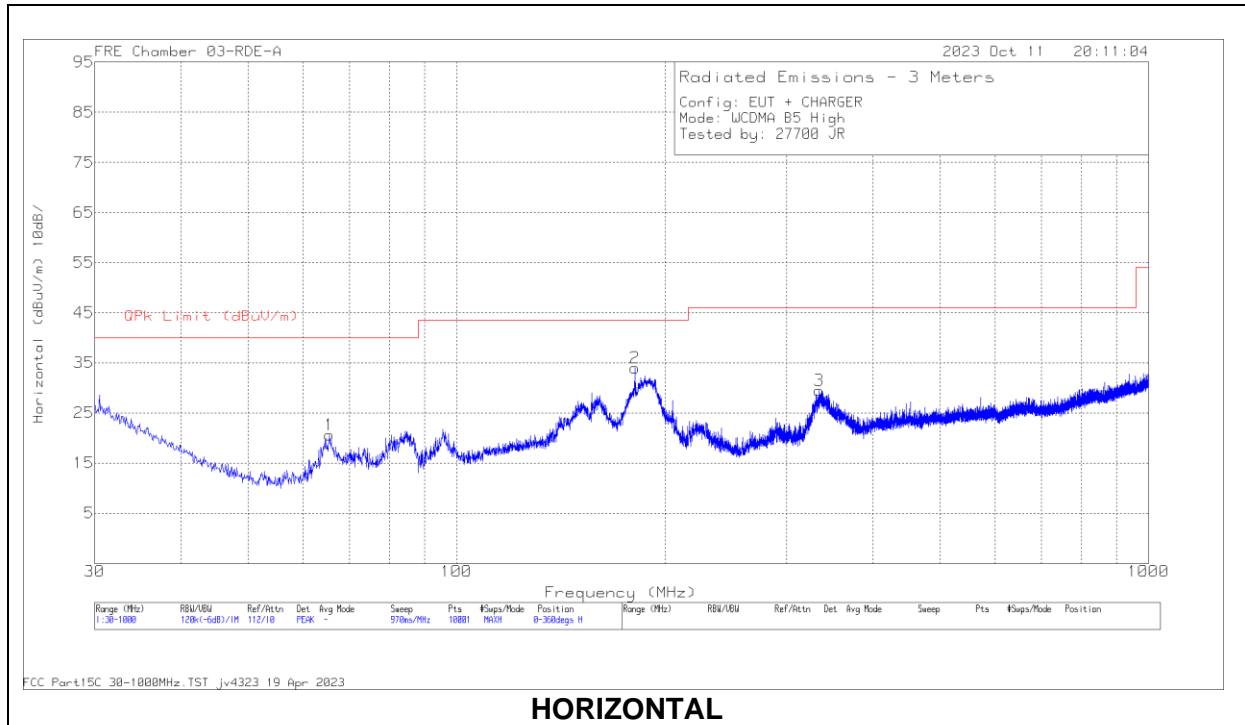
VERTICAL

RADIATED EMISSIONS

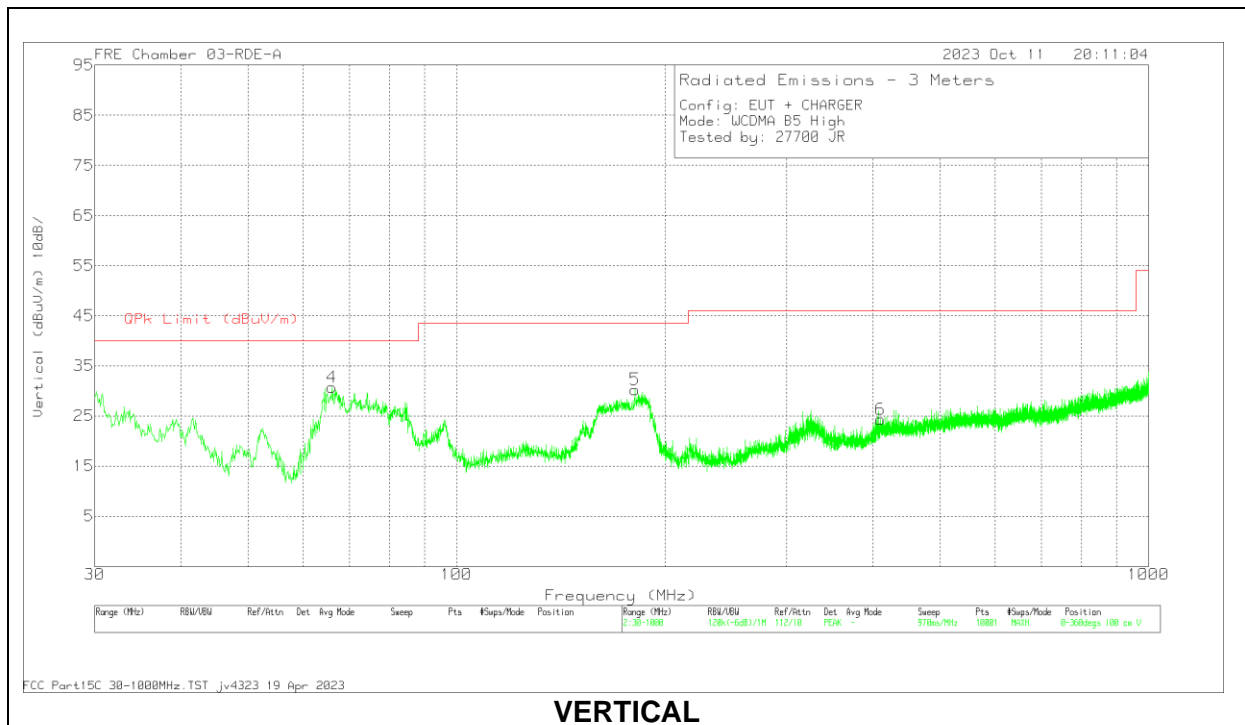
Frequency (MHz)	Meter Reading (dBuV)	Det	235173 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
64.9229	33.23	Qp	13.7	-30.7	16.23	40	-23.77	247	134	H
64.9435	44.29	Qp	13.7	-30.7	27.29	40	-12.71	195	105	V
180.8860	45.30	Qp	17	-29.7	32.60	43.52	-10.92	179	115	H
180.6950	40.58	Qp	17	-29.7	27.88	43.52	-15.64	209	119	V
337.5670	34.17	Qp	19.9	-28.9	25.17	46.02	-20.85	132	115	H
694.4970	19.82	Qp	25.9	-27.5	18.22	46.02	-27.80	181	298	V

Qp - Quasi-Peak detector

HIGH CHANNEL



HORIZONTAL



VERTICAL

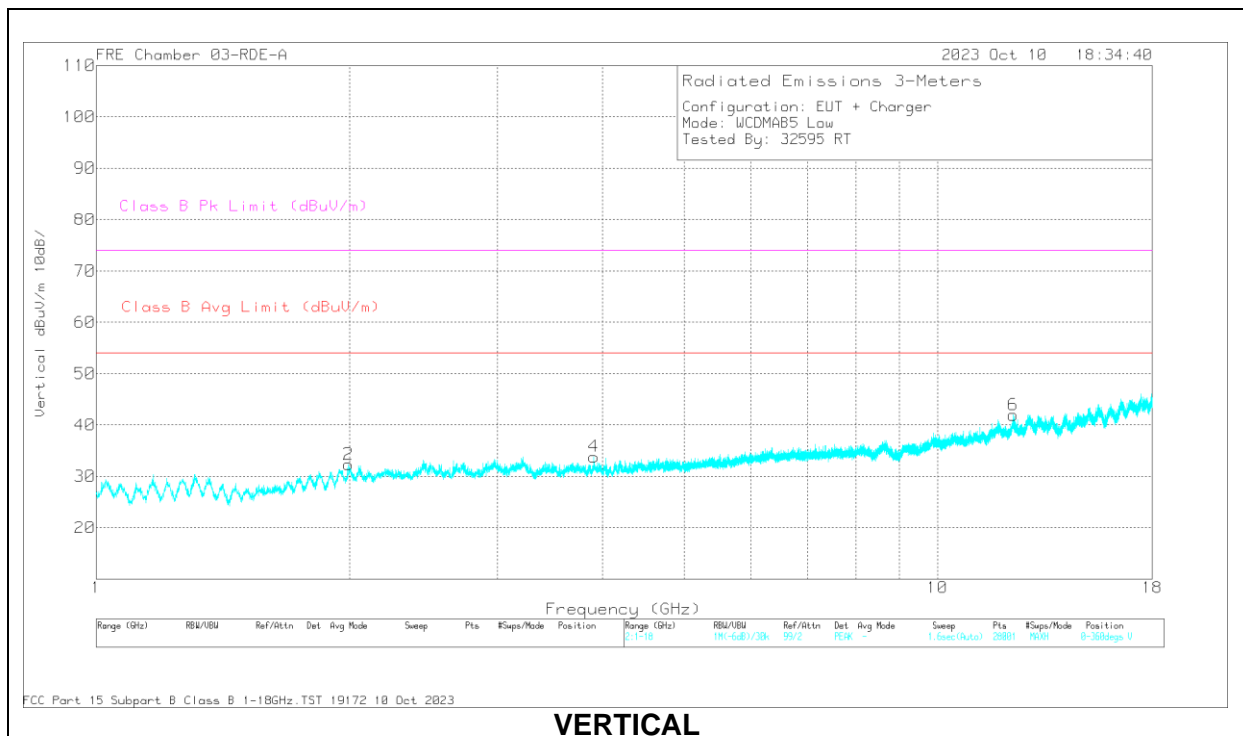
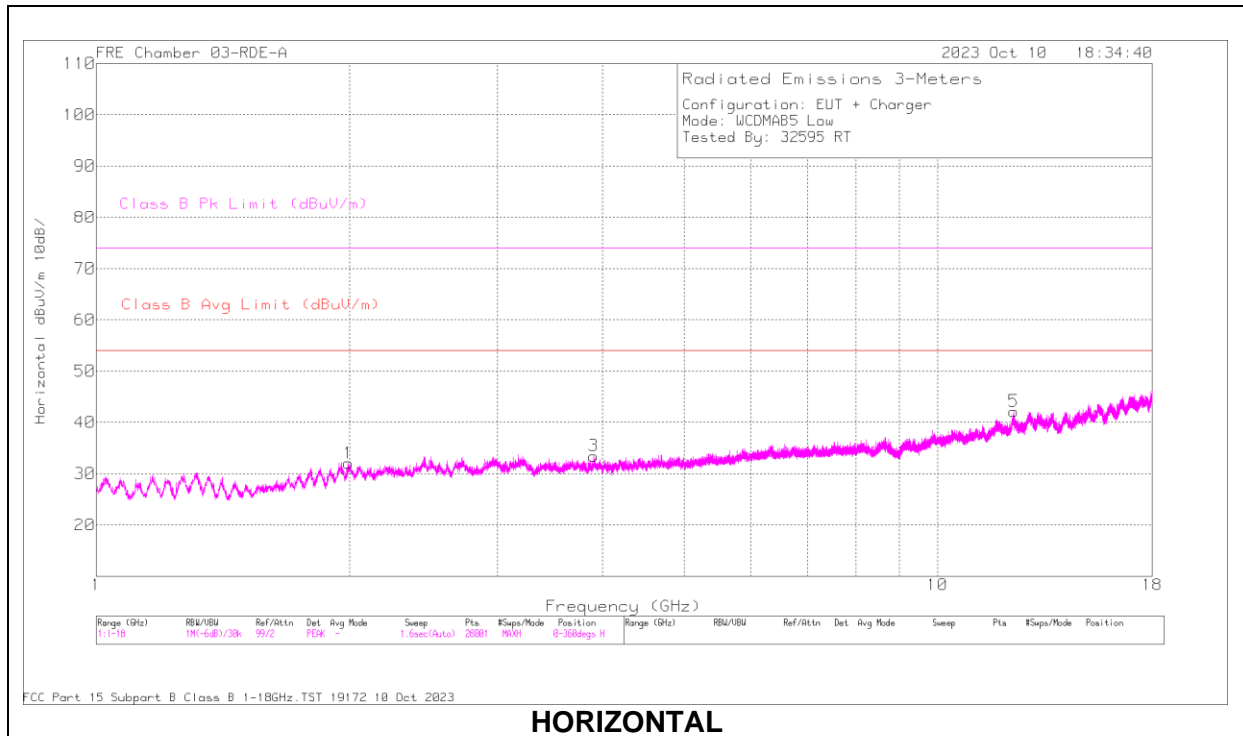
RADIATED EMISSIONS

Frequency (MHz)	Meter Reading (dBuV)	Det	235173 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
65.7698	30.90	Qp	13.8	-30.6	14.10	40	-25.90	281	200	H
67.5418	44.27	Qp	13.9	-30.6	27.57	40	-12.43	216	114	V
180.8410	43.33	Qp	17	-29.7	30.63	43.52	-12.89	190	206	H
181.0010	39.81	Qp	17	-29.7	27.11	43.52	-16.41	229	116	V
337.1840	34.74	Qp	19.9	-28.9	25.74	46.02	-20.28	133	103	H
435.5180	21.65	Qp	22.4	-28.4	15.65	46.02	-30.37	138	321	V

Qp - Quasi-Peak detector

8.2.2. ABOVE 1GHz

LOW CHANNEL

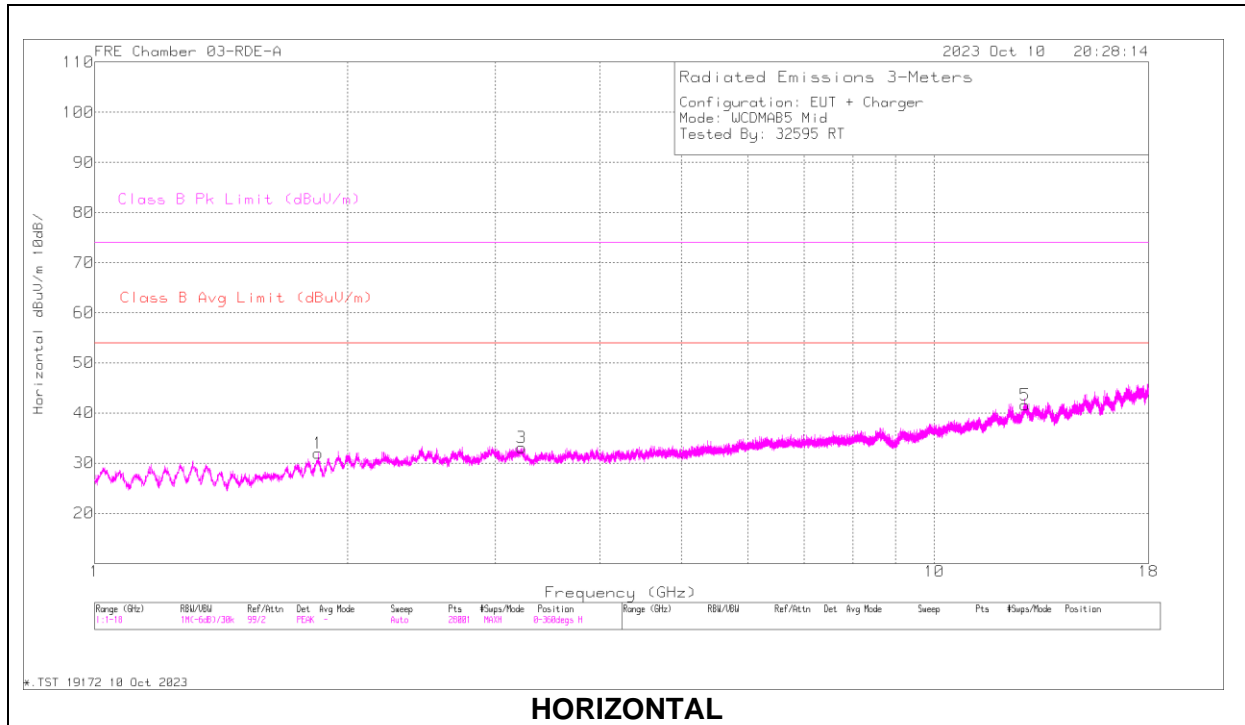


RADIATED EMISSIONS

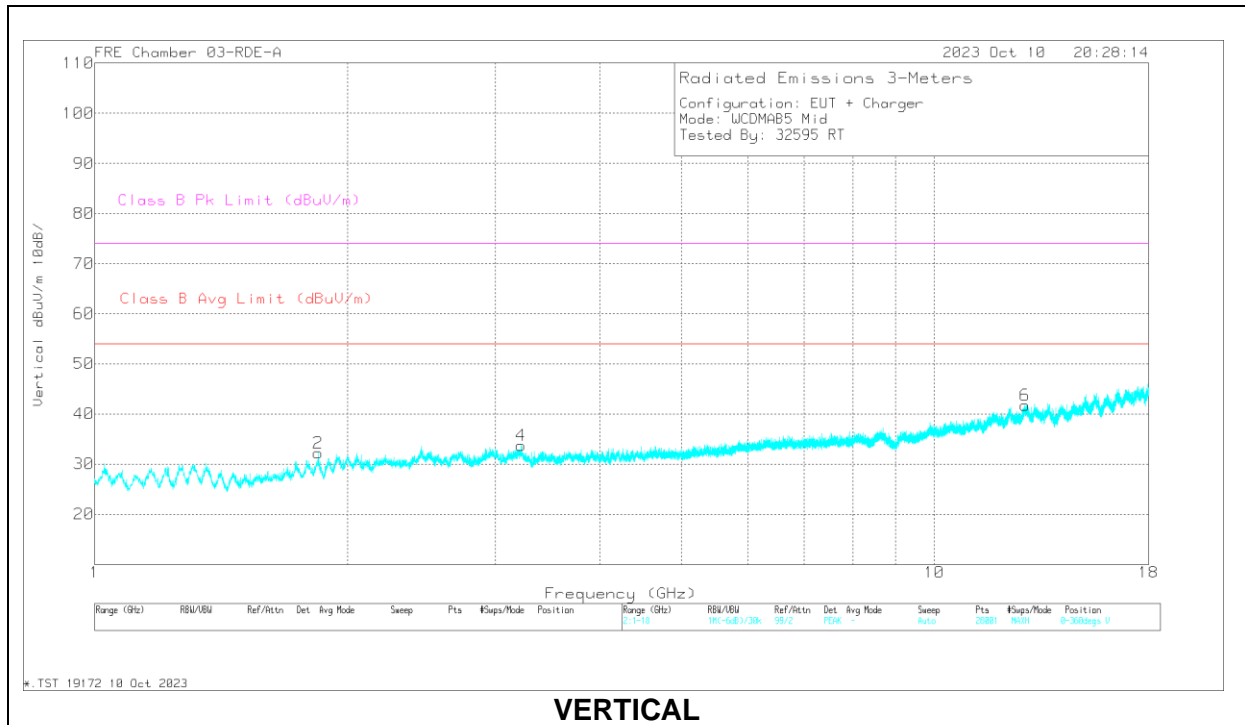
Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF 3m (dB/m)	Gain/Loss (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.992679	49.68	Pk	31.2	-49.93	30.95	-	-	74	-43.05	1	101	H
1.992679	46.17	Av	31.2	-49.93	27.44	54	-26.56	-	-	1	101	H
1.995107	51.49	Pk	31.2	-49.73	32.96	-	-	74	-41.04	1	198	V
1.995107	46.33	Av	31.2	-49.73	27.80	54	-26.2	-	-	1	198	V
3.899715	46.55	Pk	33.3	-47.40	32.45	-	-	74	-41.55	1	198	H
3.899715	42.82	Av	33.3	-47.40	28.72	54	-25.28	-	-	1	198	H
3.904572	52.37	Pk	33.3	-47.14	38.53	-	-	74	-35.47	1	101	V
3.904572	42.92	Av	33.3	-47.14	29.08	54	-24.92	-	-	1	101	V
12.321396	45.59	Pk	38.7	-41.86	42.43	-	-	74	-31.57	1	101	H
12.321396	39.58	Av	38.7	-41.86	36.42	54	-17.58	-	-	1	101	H
12.303181	46.11	Pk	38.7	-42.23	42.58	-	-	74	-31.42	1	101	V
12.303181	39.49	Av	38.7	-42.23	35.96	54	-18.04	-	-	1	101	V

Pk - Peak detector
 Av - Average detection

MID CHANNEL



HORIZONTAL



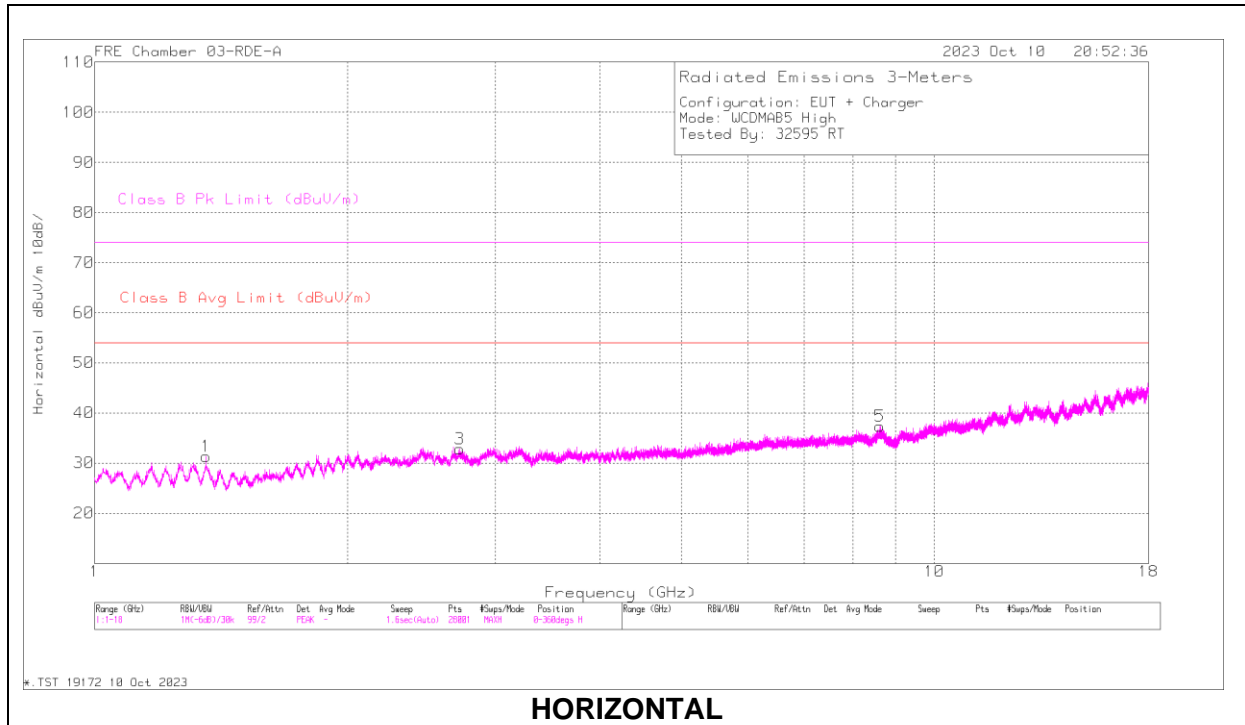
VERTICAL

RADIATED EMISSIONS

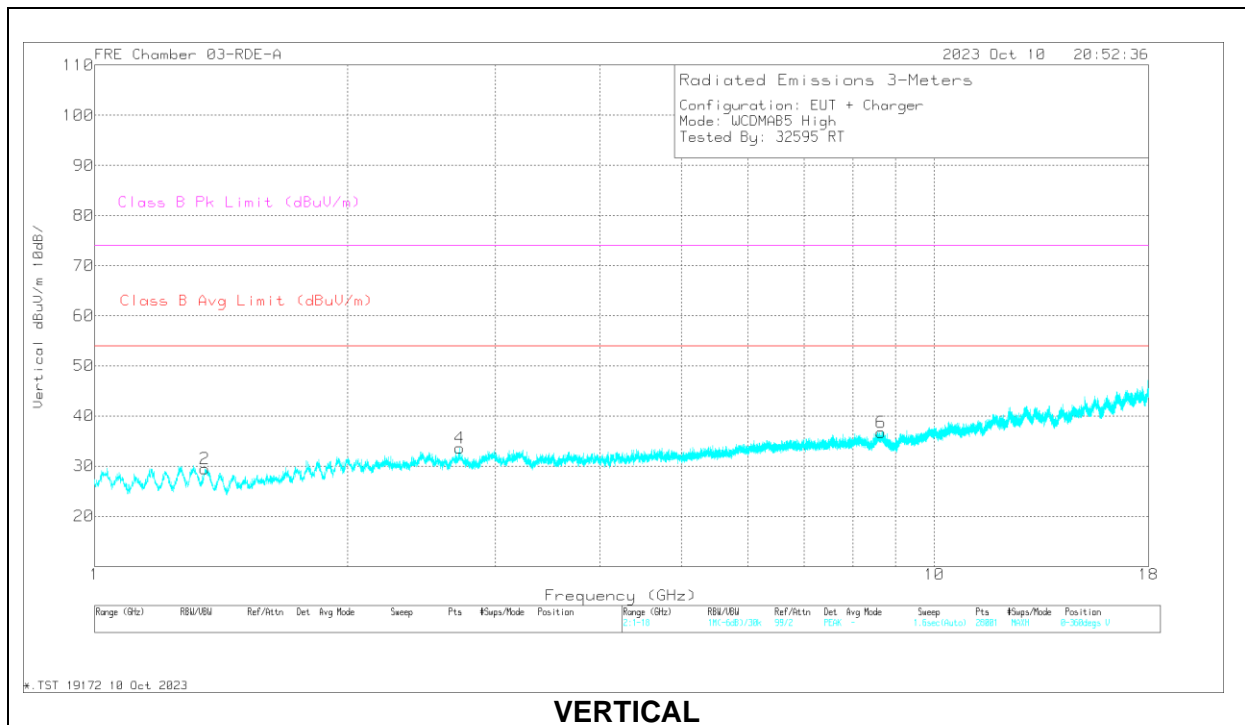
Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF 3m (dB/m)	Gain/Loss (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.845143	49.48	Pk	30.5	-49.72	30.26	-	-	74	-43.74	360	100	H
1.845143	46.47	Av	30.5	-49.72	27.25	54	-26.75	-	-	360	100	H
1.845750	49.00	Pk	30.5	-49.78	29.72	-	-	74	-44.28	360	101	V
1.845750	46.40	Av	30.5	-49.78	27.12	54	-26.88	-	-	360	101	V
3.227608	47.15	Pk	32.7	-46.38	33.47	-	-	74	-40.53	360	198	H
3.227608	42.92	Av	32.7	-46.38	29.24	54	-24.76	-	-	360	198	H
3.221536	49.40	Pk	32.7	-46.71	35.39	-	-	74	-38.61	360	198	V
3.221536	43.01	Av	32.7	-46.71	29	54	-25	-	-	360	198	V
12.84111	39.33	Pk	39.1	-41.77	36.66	-	-	74	-37.34	360	198	H
12.84111	40.06	Av	39.1	-41.77	37.39	54	-16.61	-	-	360	198	H
12.833217	40.89	Pk	39.1	-41.88	38.11	-	-	74	-35.89	360	101	V
12.833217	39.97	Av	39.1	-41.88	37.19	54	-16.81	-	-	360	101	V

Pk - Peak detector
 Av - Average detection

HIGH CHANNEL



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

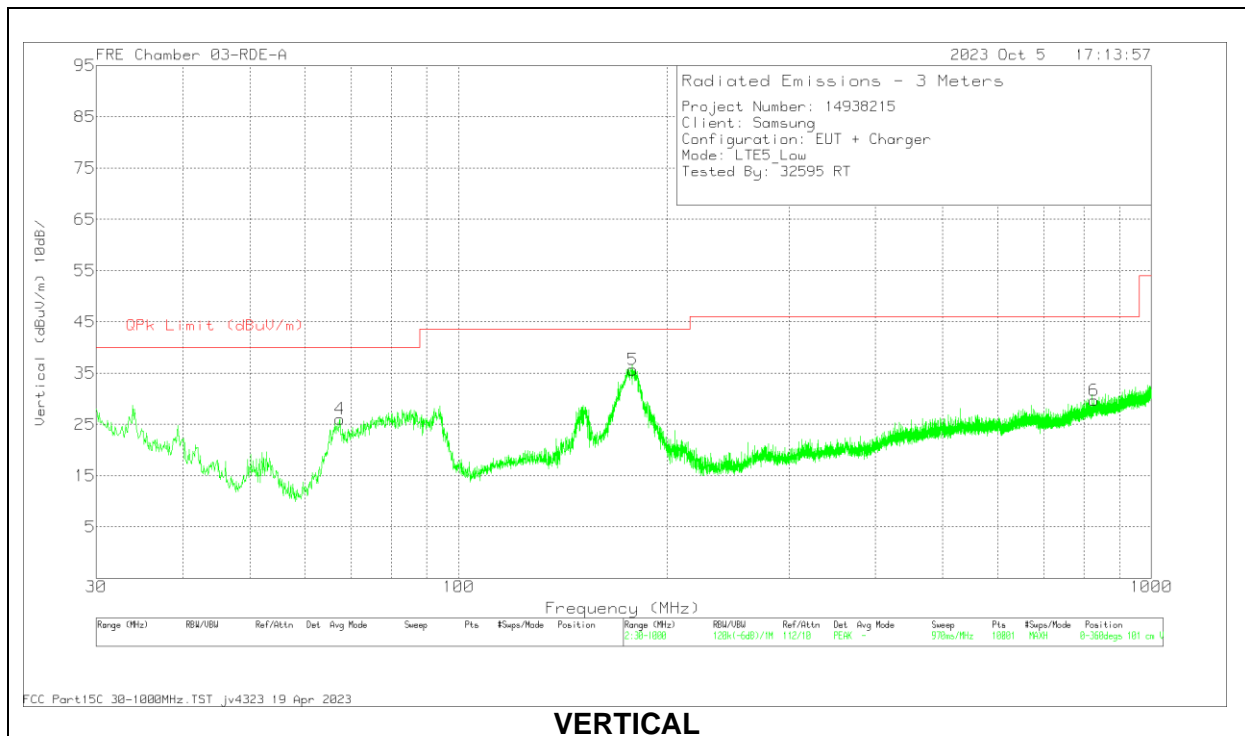
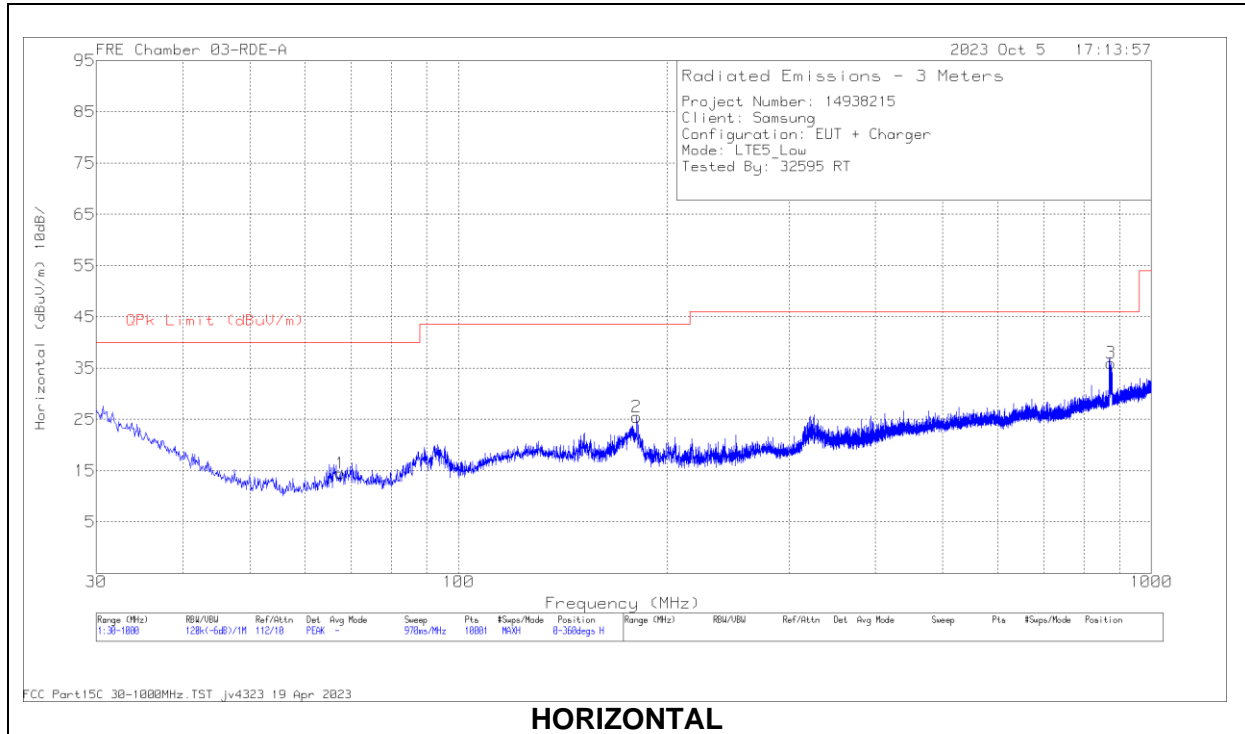
Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF 3m (dB/m)	Gain/Loss (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.357000	49.52	Pk	28.6	-49.30	28.82	-	-	74	-45.18	360	198	H
1.357000	46.62	Av	28.6	-49.30	25.92	54	-28.08	-	-	360	198	H
1.353357	54.47	Pk	28.6	-49.33	33.74	-	-	74	-40.26	360	198	V
1.353357	46.32	Av	28.6	-49.33	25.59	54	-28.41	-	-	360	198	V
2.720643	48.07	Pk	32.2	-48.34	31.93	-	-	74	-42.07	360	101	H
2.720643	45.04	Av	32.2	-48.34	28.90	54	-25.10	-	-	360	101	H
2.721858	47.54	Pk	32.2	-48.34	31.40	-	-	74	-42.60	360	198	V
2.721858	45.02	Av	32.2	-48.34	28.88	54	-25.12	-	-	360	198	V
8.619645	47.81	Pk	35.6	-44.52	38.89	-	-	74	-35.11	360	101	H
8.619645	40.58	Av	35.6	-44.52	31.66	54	-22.34	-	-	360	101	H
8.642109	44.92	Pk	35.6	-44.60	35.92	-	-	74	-38.08	360	101	V
8.642109	40.57	Av	35.6	-44.60	31.57	54	-22.43	-	-	360	101	V

Pk - Peak detector
 Av - Average detection

8.3. LTE BAND 5

8.3.1. BELOW 1GHz

LOW CHANNEL

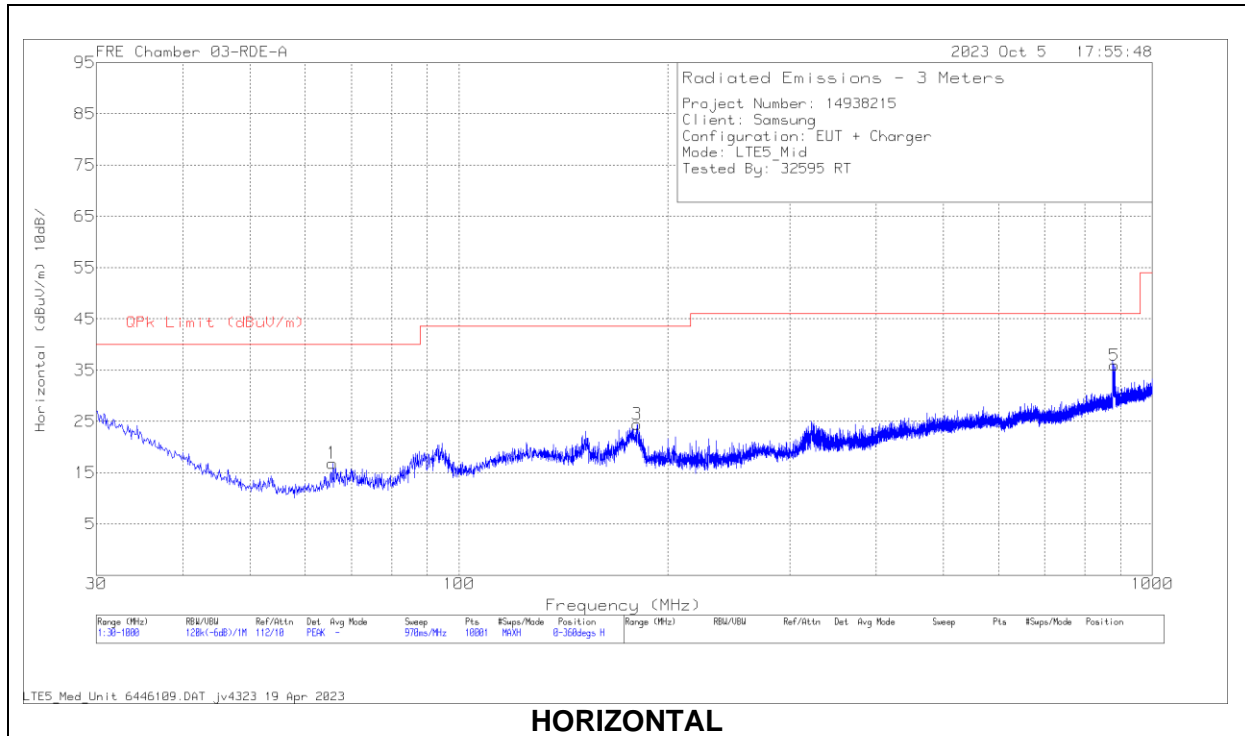


RADIATED EMISSIONS

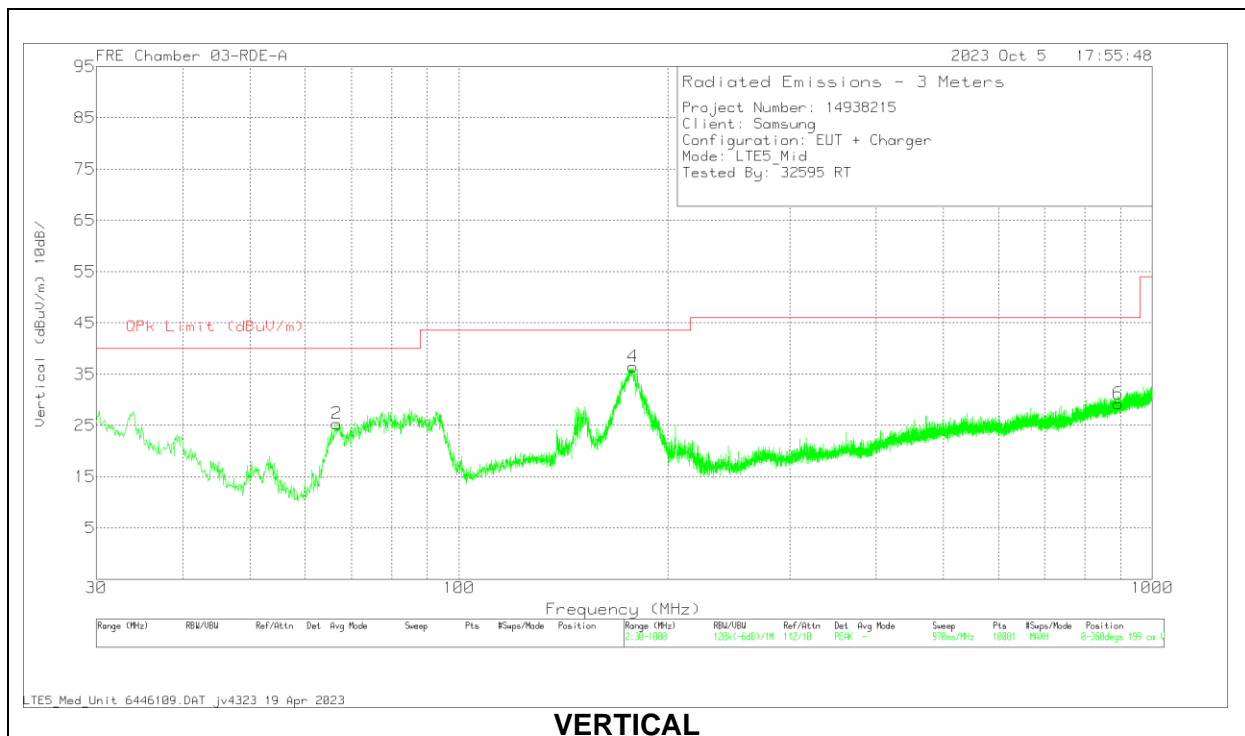
Frequency (MHz)	Meter Reading (dBuV)	Det	235173 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
67.3702	26.21	Qp	13.8	-30.6	9.41	40	-30.59	166	238	H
67.3702	32.05	Pk	13.8	-30.6	15.25	40	-24.75	166	238	H
67.4360	21.36	Pk	13.8	-30.6	4.56	40	-35.44	281	115	V
67.4360	36.29	Qp	13.8	-30.6	19.49	40	-20.51	281	115	V
180.9840	39.59	Pk	17	-29.7	26.89	43.52	-16.63	114	177	H
180.9840	34.55	Qp	17	-29.7	21.85	43.52	-21.67	114	177	H
178.3110	19.36	Pk	17.1	-29.7	6.76	43.52	-36.76	186	126	V
178.3110	43.83	Qp	17.1	-29.7	31.23	43.52	-12.29	186	126	V
874.1800	18.87	Pk	27.7	-26.4	20.17	46.02	-25.85	19	194	H
874.1800	28.48	Qp	27.7	-26.4	29.78	46.02	-16.24	19	194	H
827.5650	27.93	Pk	27.3	-26.7	28.53	46.02	-17.49	244	338	V
827.5650	19.44	Qp	27.3	-26.7	20.04	46.02	-25.98	244	338	V

Pk - Peak detector
 Qp - Quasi-Peak detector

MID CHANNEL



HORIZONTAL



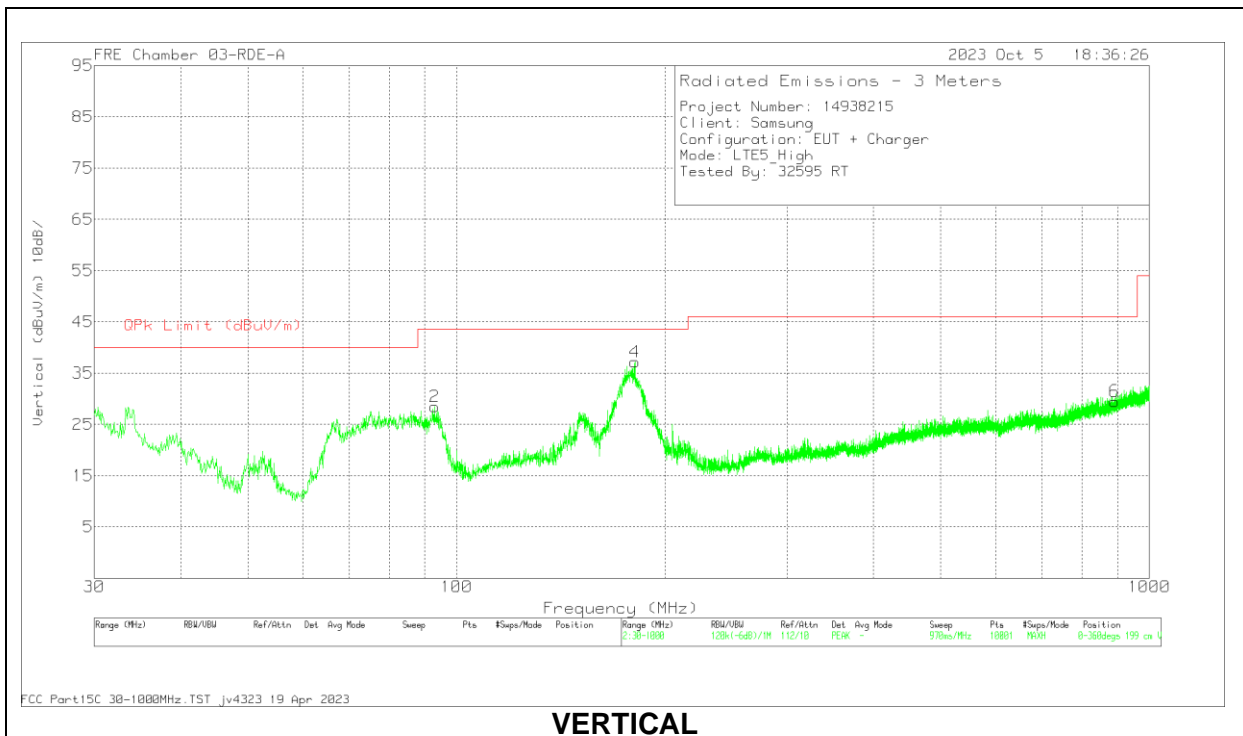
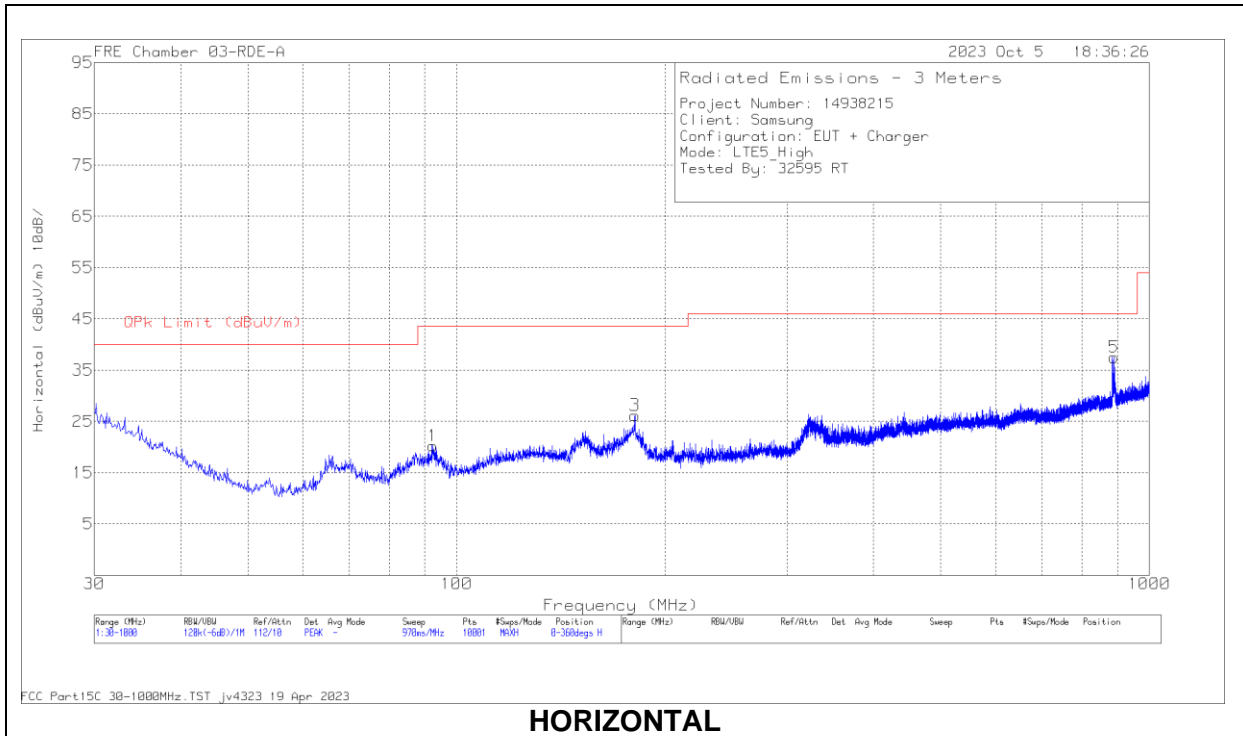
VERTICAL

RADIATED EMISSIONS

Frequency (MHz)	Meter Reading (dBuV)	Det	235173 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
65.6924	35.21	Pk	13.8	-30.6	18.41	40	-21.59	169	383	H
65.6924	26.30	Qp	13.8	-30.6	9.50	40	-30.50	169	383	H
67.2668	40.46	Pk	13.8	-30.6	23.66	40	-16.34	210	129	V
67.2668	35.21	Qp	13.8	-30.6	18.41	40	-21.59	210	129	V
180.9990	30.11	Pk	17	-29.7	17.41	43.52	-26.11	100	119	H
180.9990	33.96	Qp	17	-29.7	21.26	43.52	-22.26	100	119	H
178.3900	48.64	Pk	17.1	-29.7	36.04	43.52	-7.48	164	114	V
178.3900	44.47	Qp	17.1	-29.7	31.87	43.52	-11.65	164	114	V
881.9210	34.77	Pk	27.8	-26.3	36.27	46.02	-9.75	95	196	H
881.9220	27.87	Qp	27.8	-26.3	29.37	46.02	-16.65	95	196	H
892.1930	27.81	Pk	28	-26.2	29.61	46.02	-16.41	250	309	V
892.1930	19.12	Qp	28	-26.2	20.92	46.02	-25.10	250	309	V

Pk - Peak detector
 Qp - Quasi-Peak detector

HIGH CHANNEL



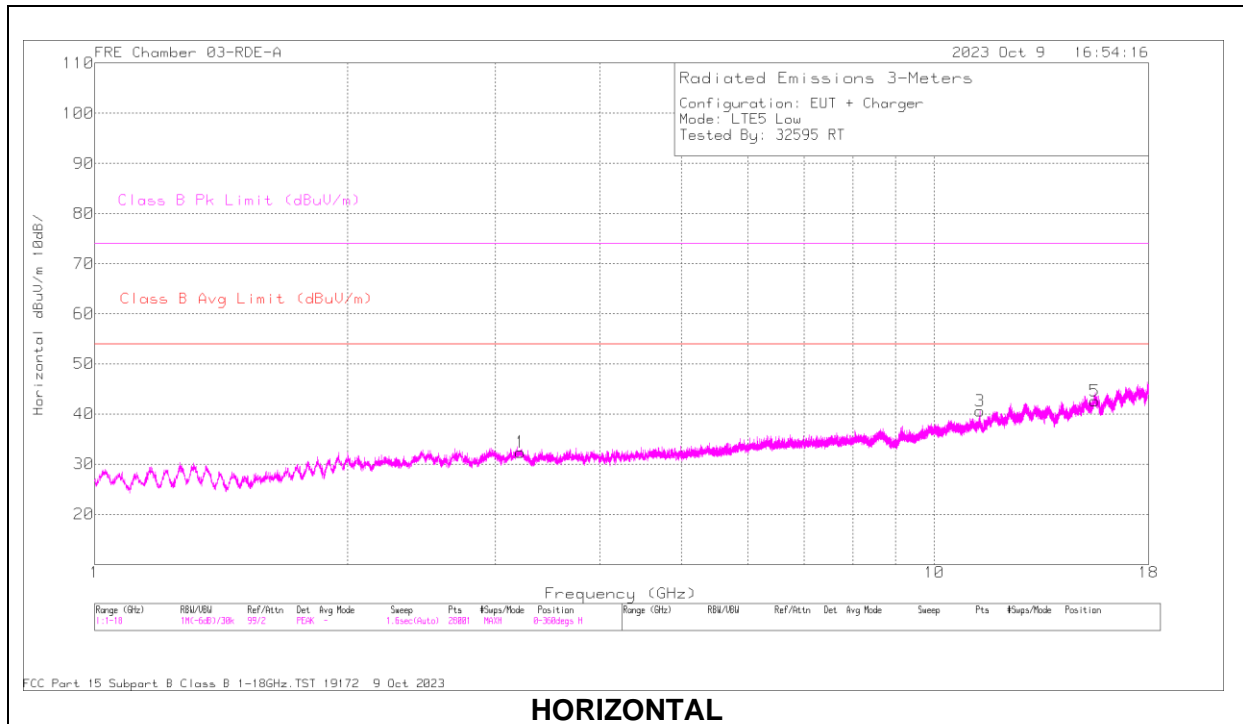
RADIATED EMISSIONS

Frequency (MHz)	Meter Reading (dBuV)	Det	235173 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
92.7600	37.24	Pk	14.3	-30.3	21.24	43.52	-22.28	137	276	H
92.7600	30.49	Qp	14.3	-30.3	14.49	43.52	-29.03	137	276	H
92.5177	43.40	Pk	14.2	-30.3	27.30	43.52	-16.22	326	167	V
92.5177	38.28	Qp	14.2	-30.3	22.18	43.52	-21.34	326	167	V
180.9670	41.39	Pk	17	-29.7	28.69	43.52	-14.83	274	120	H
180.9670	34.98	Qp	17	-29.7	22.28	43.52	-21.24	274	120	H
180.8740	51.29	Pk	17	-29.7	38.59	43.52	-4.93	174	100	V
180.8740	47.86	Qp	17	-29.7	35.16	43.52	-8.36	174	100	V
889.1420	35.82	Pk	27.9	-26.2	37.52	46.02	-8.50	304	103	H
889.1420	30.51	Qp	27.9	-26.2	32.21	46.02	-13.81	304	103	H
891.1910	27.57	Pk	28	-26.2	29.37	46.02	-16.65	235	182	V
891.1910	19.45	Qp	28	-26.2	21.25	46.02	-24.77	235	182	V

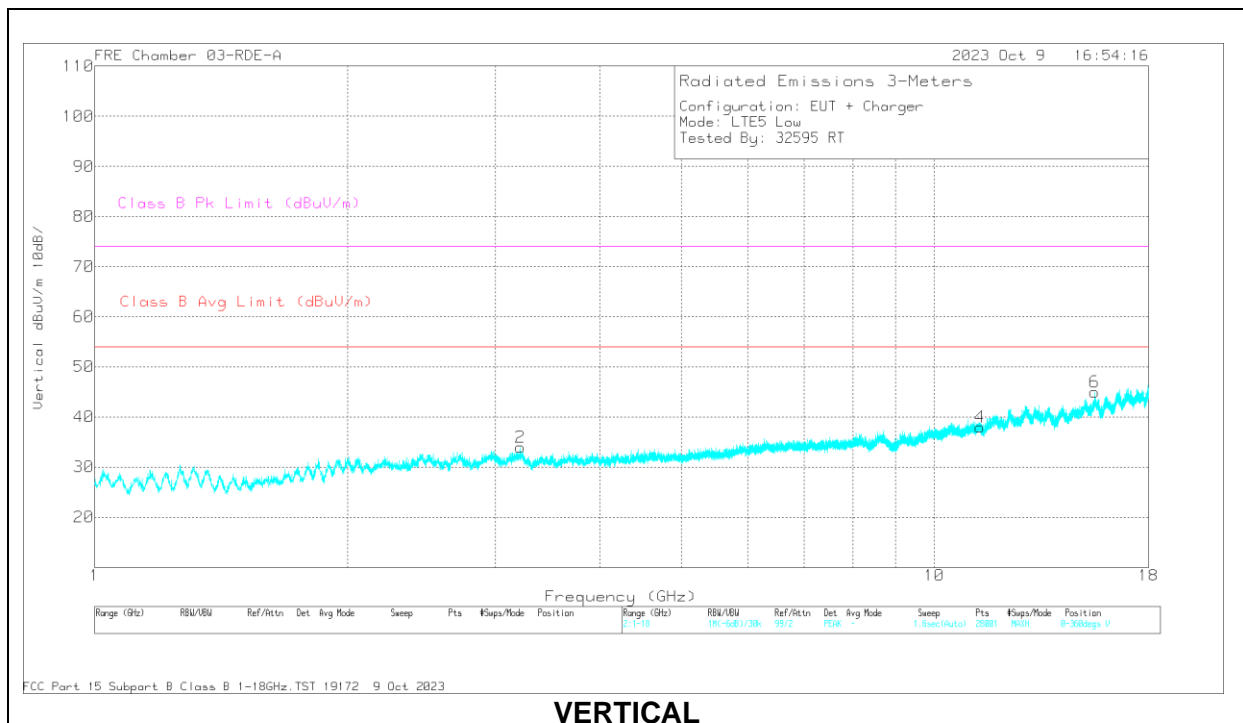
Pk - Peak detector
 Qp - Quasi-Peak detector

8.3.2. ABOVE 1GHz

LOW CHANNEL



HORIZONTAL



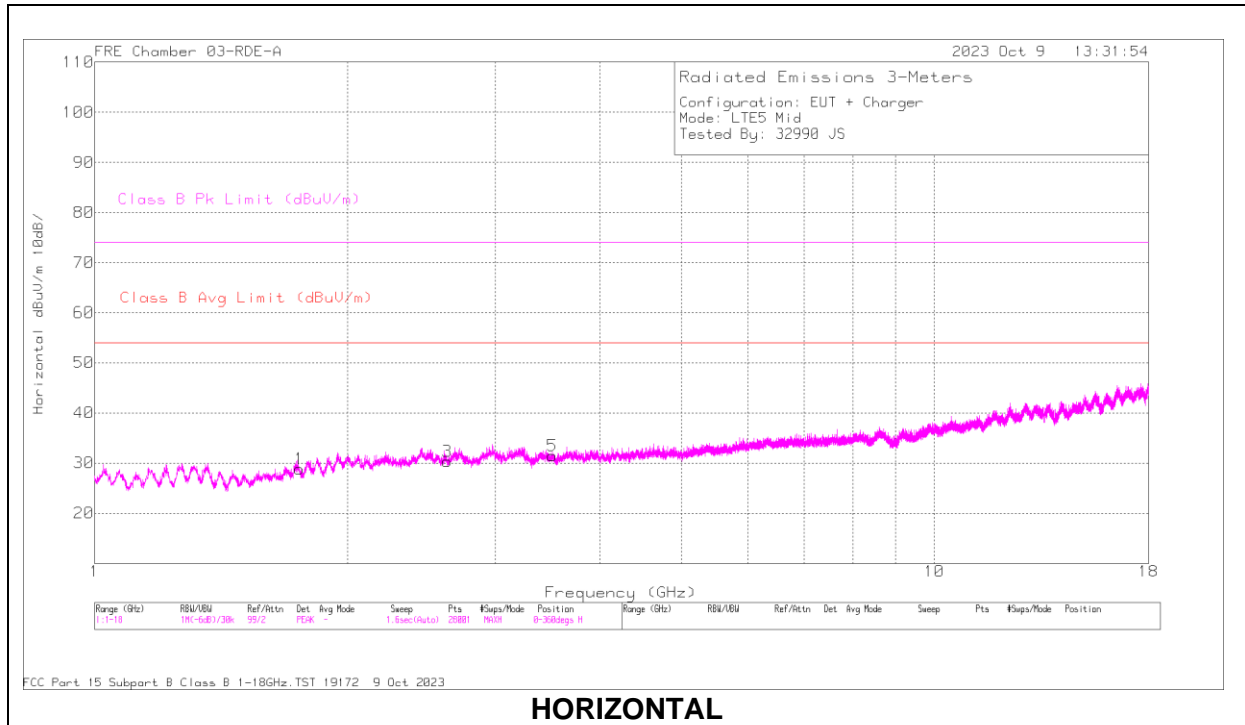
VERTICAL

RADIATED EMISSIONS

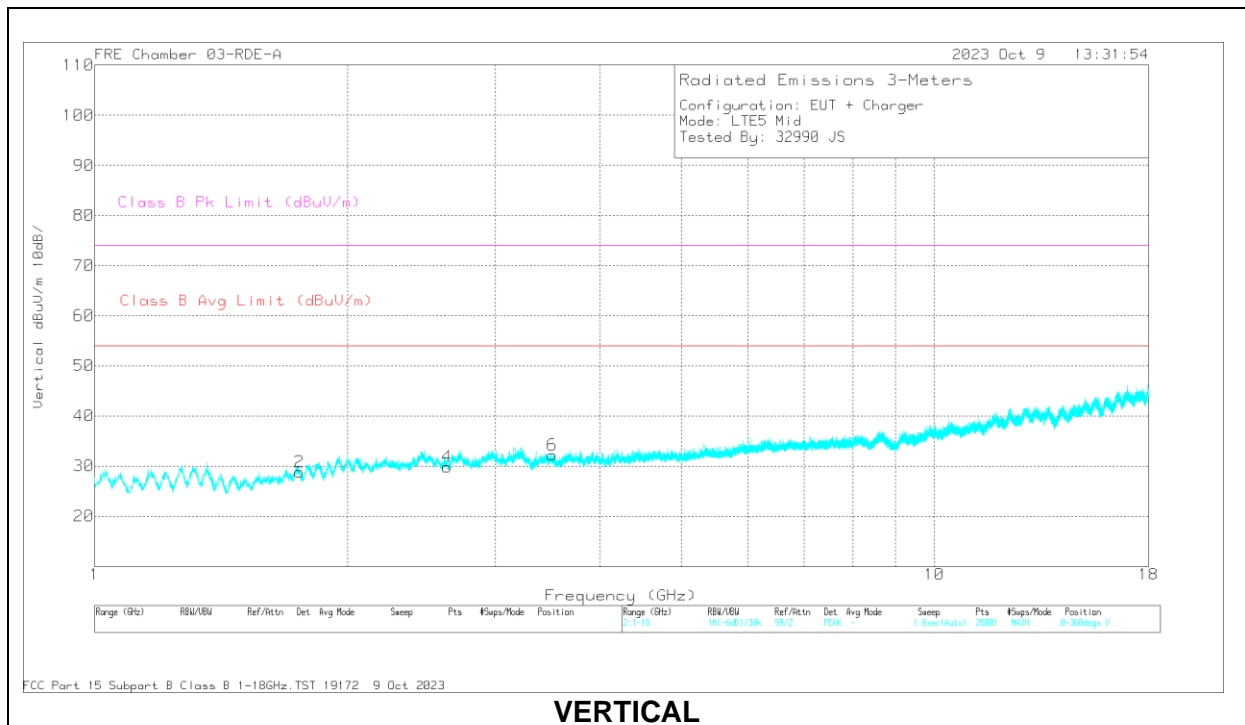
Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF 3m (dB/m)	Gain/Loss (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3.214690	55.71	Pk	32.7	-46.81	41.60	-	-	74	-32.4	239	241	H
3.214690	43.16	Av	32.7	-46.81	29.05	54	-24.95	-	-	239	241	H
3.212231	52.12	Pk	32.7	-46.84	37.98	-	-	74	-36.02	289	218	V
3.212231	43.20	Av	32.7	-46.84	29.06	54	-24.94	-	-	289	218	V
11.335534	40.93	Av	37.7	-43.68	34.95	54	-19.05	-	-	109	345	H
11.335534	53.08	Pk	37.7	-43.68	47.10	-	-	74	-26.90	109	345	H
11.340407	52.69	Pk	37.7	-43.63	46.76	-	-	74	-27.24	190	377	V
11.340407	40.70	Av	37.7	-43.63	34.77	54	-19.23	-	-	190	377	V
15.536150	39.33	Av	40.2	-40.31	39.22	54	-14.78	-	-	312	265	H
15.536150	52.10	Pk	40.2	-40.31	51.99	-	-	74	-22.01	312	265	H
15.532688	50.90	Pk	40.2	-40.36	50.74	-	-	74	-23.26	189	275	V
15.532688	39.38	Av	40.2	-40.36	39.22	54	-14.78	-	-	189	275	V

Pk - Peak detector
 Av - Average detection

MID CHANNEL



HORIZONTAL



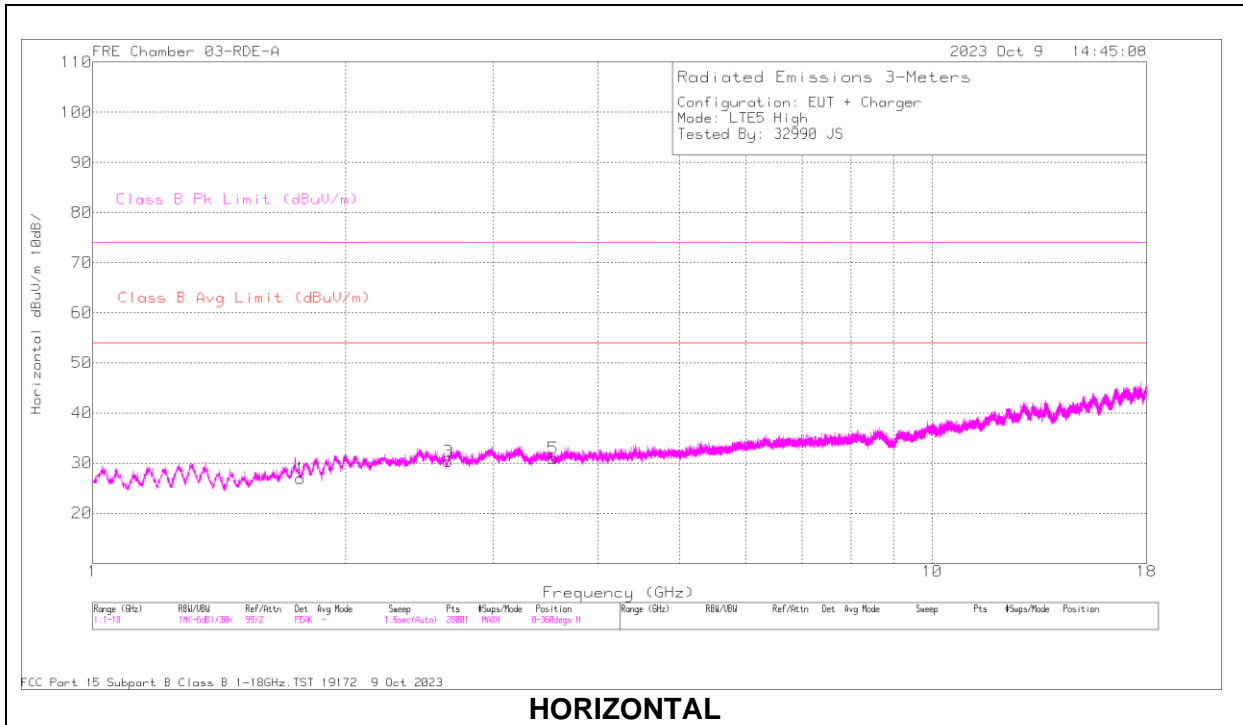
VERTICAL

RADIATED EMISSIONS

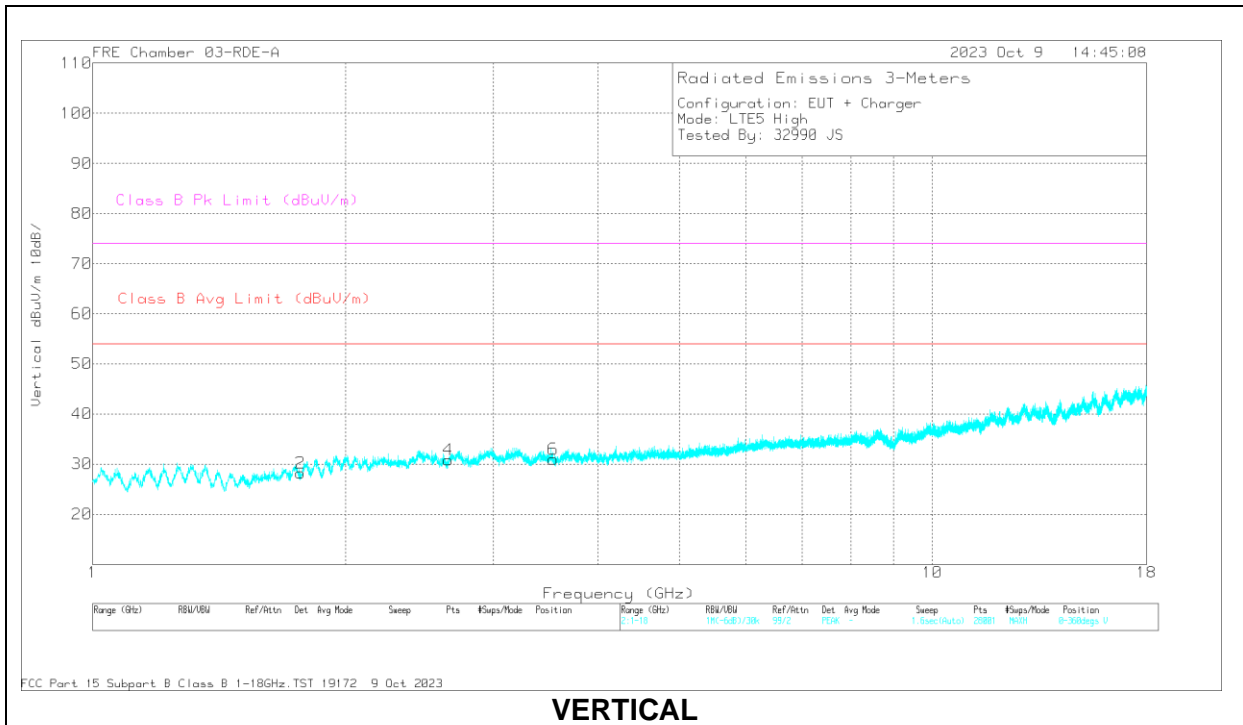
Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF 3m (dB/m)	Gain/Loss (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.752323	45.41	Av	29.8	-49.6	25.61	54	-28.39	-	-	45	196	H
1.753807	59.08	Pk	29.8	-49.61	39.27	-	-	74	-34.73	45	196	H
1.751650	45.50	Av	29.8	-49.62	25.68	54	-28.32	-	-	352	184	V
1.755144	59.57	Pk	29.8	-49.71	39.66	-	-	74	-34.34	352	184	V
2.628034	58.16	Pk	32.2	-49.26	41.10	-	-	74	-32.90	357	138	H
2.630774	44.36	Av	32.2	-49.12	27.44	54	-26.56	-	-	357	138	H
2.628298	58.80	Pk	32.2	-49.24	41.76	-	-	74	-32.24	287	144	V
2.629704	44.42	Av	32.2	-49.14	27.48	54	-26.52	-	-	287	144	V
3.505318	55.44	Pk	32.8	-46.42	41.82	-	-	74	-32.18	299	247	H
3.506258	42.01	Av	32.8	-46.35	28.46	54	-25.54	-	-	299	247	H
3.507046	55.83	Pk	32.8	-46.32	42.31	-	-	74	-31.69	146	236	V
3.507950	42.07	Av	32.8	-46.32	28.55	54	-25.45	-	-	146	236	V

Pk - Peak detector
 Av - Average detection

HIGH CHANNEL



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

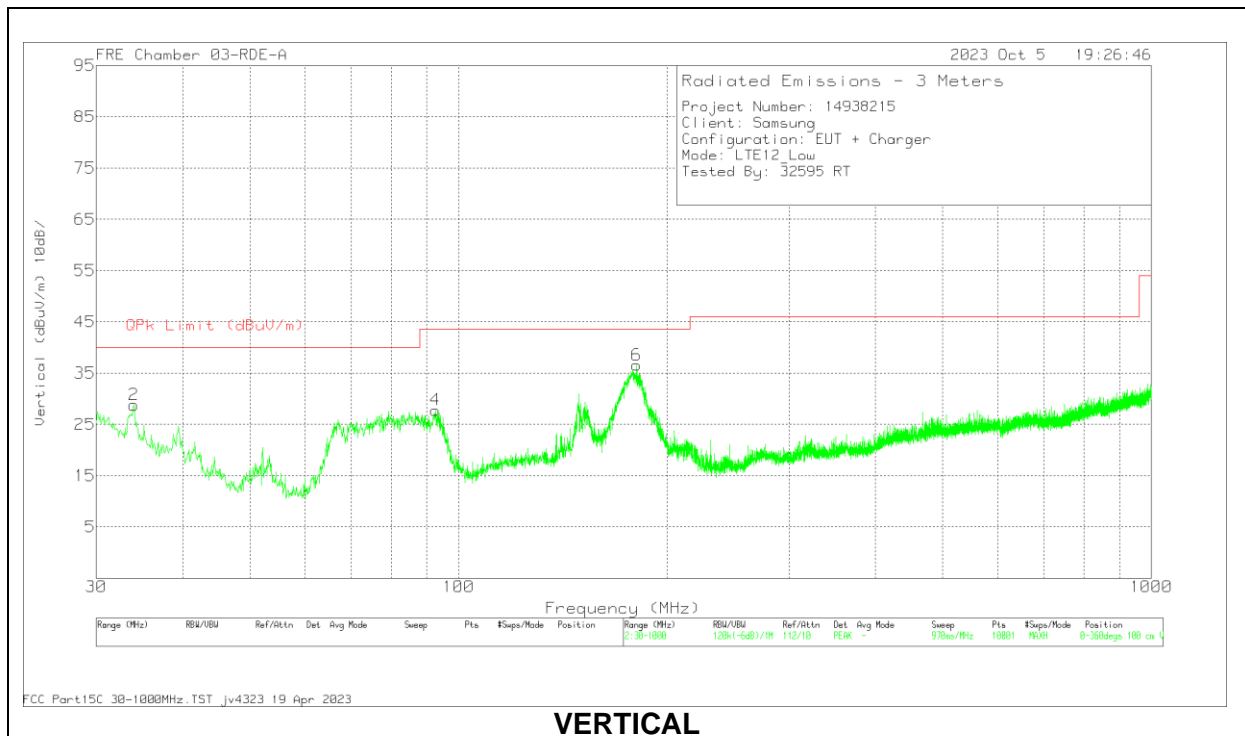
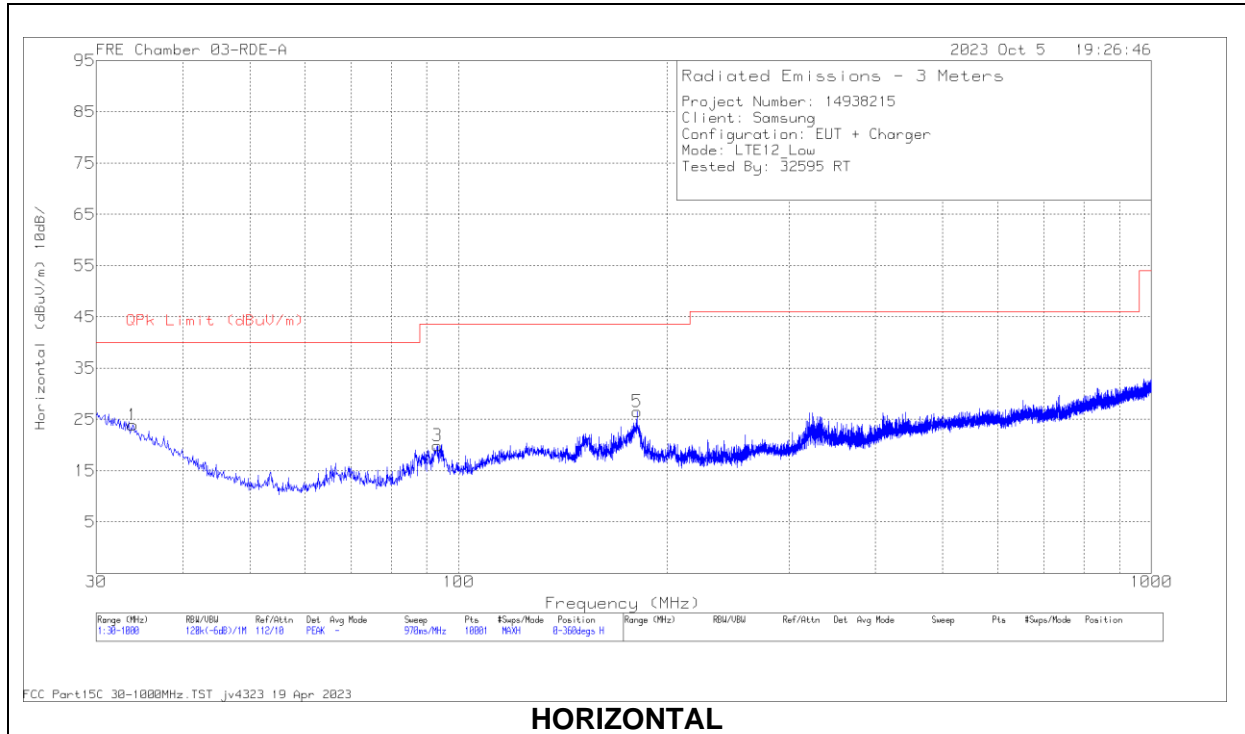
Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF 3m (dB/m)	Gain/Loss (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.766210	44.25	Av	29.9	-49.81	24.34	54	-29.66	-	-	294	129	H
1.767133	58.16	Pk	29.9	-49.78	38.28	-	-	74	-35.72	294	129	H
1.766736	58.43	Pk	29.9	-49.79	38.54	-	-	74	-35.46	113	154	V
1.769593	44.39	Av	29.9	-49.72	24.57	54	-29.43	-	-	113	154	V
2.650871	44.46	Av	32.2	-49.22	27.44	54	-26.56	-	-	12	101	H
2.651225	57.84	Pk	32.2	-49.25	40.79	-	-	74	-33.21	12	101	H
2.652121	57.80	Pk	32.2	-49.33	40.67	-	-	74	-33.33	343	148	V
2.653619	44.67	Av	32.2	-49.36	27.51	54	-26.49	-	-	343	148	V
3.535443	41.61	Av	32.8	-46.46	27.95	54	-26.05	-	-	329	120	H
3.536456	54.85	Pk	32.8	-46.54	41.11	-	-	74	-32.89	329	120	H
3.535645	41.61	Av	32.8	-46.47	27.94	54	-26.06	-	-	135	171	V
3.537589	54.96	Pk	32.8	-46.63	41.13	-	-	74	-32.87	135	171	V

Pk - Peak detector
 Av - Average detection

8.4. LTE BAND 12

8.4.1. BELOW 1GHz

LOW CHANNEL

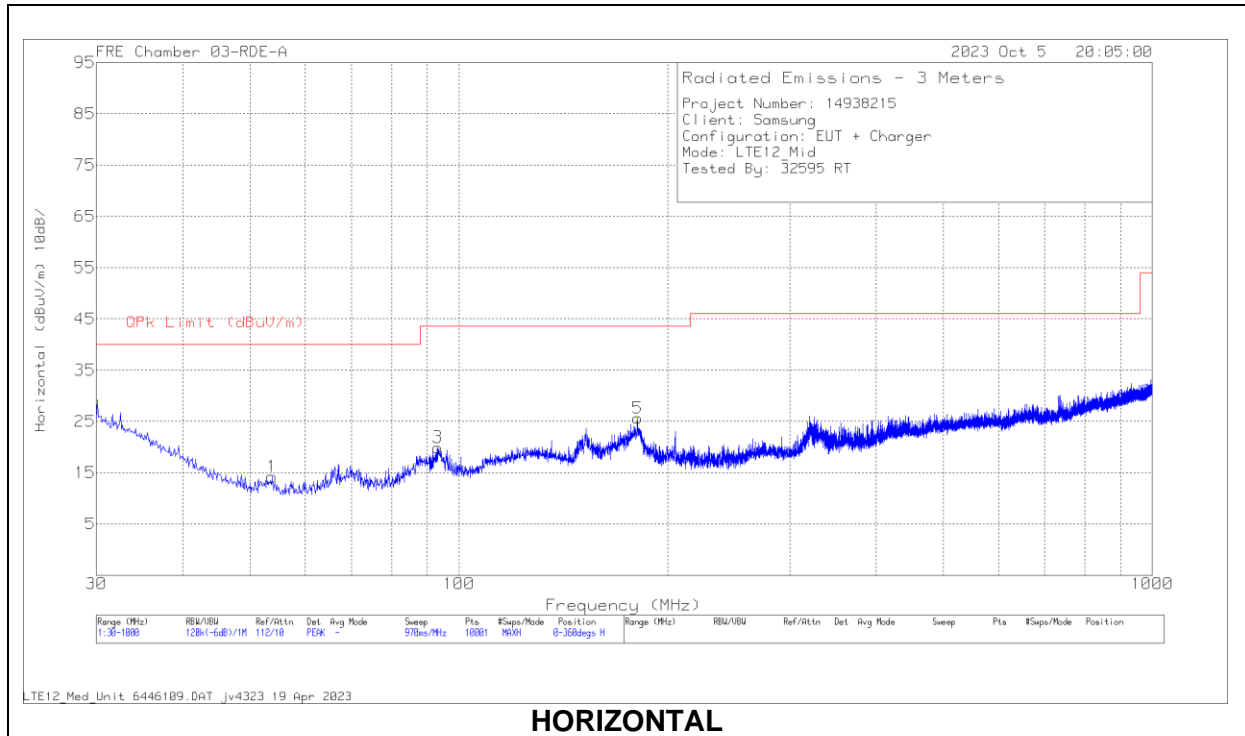


RADIATED EMISSIONS

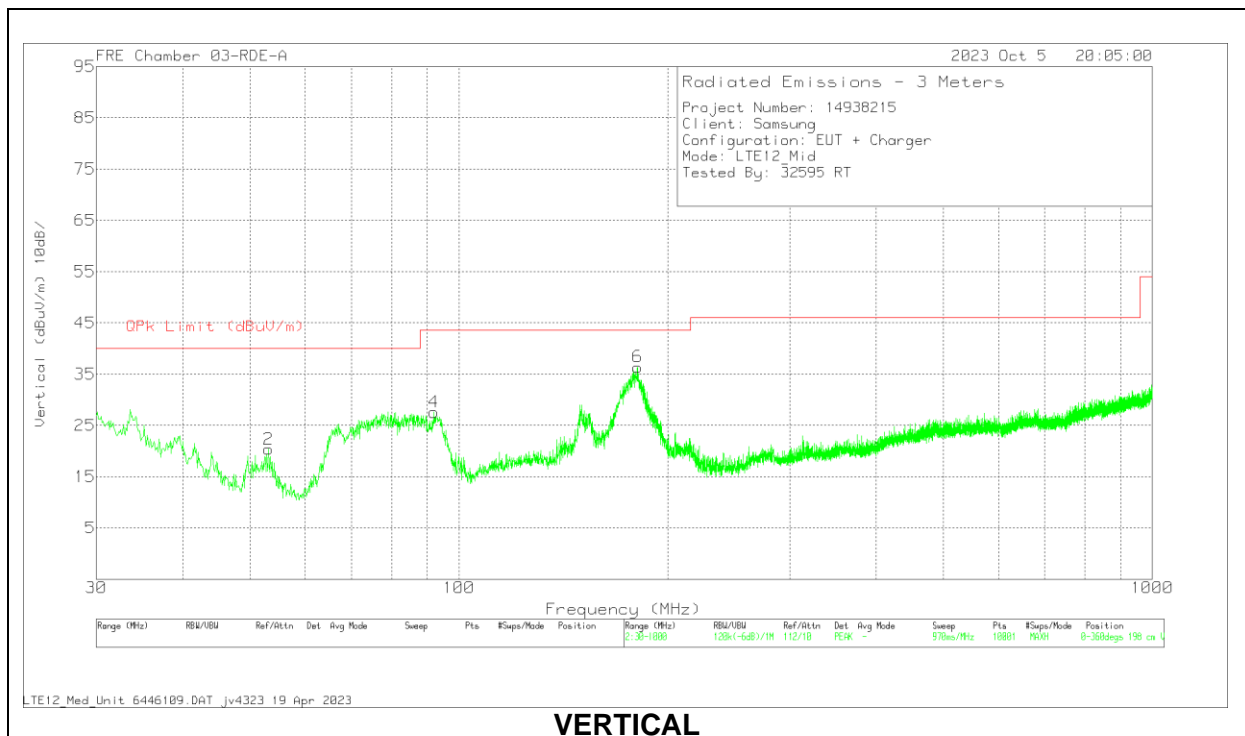
Frequency (MHz)	Meter Reading (dBuV)	Det	235173 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
34.2257	21.09	Pk	24.3	-31	14.39	40	-25.61	283	164	H
34.2257	20.77	Qp	24.3	-31	14.07	40	-25.93	283	164	H
33.7012	34.39	Pk	24.7	-31.1	27.99	40	-12.01	122	102	V
33.7012	28.65	Qp	24.7	-31.1	22.25	40	-17.75	122	102	V
93.0704	36.33	Pk	14.3	-30.3	20.33	43.52	-23.19	139	297	H
93.0704	30.62	Qp	14.3	-30.3	14.62	43.52	-28.90	139	297	H
92.4764	20.76	Pk	14.2	-30.3	4.66	43.52	-38.86	296	105	V
92.4764	38.85	Qp	14.2	-30.3	22.75	43.52	-20.77	296	105	V
180.9050	42.03	Pk	17	-29.7	29.33	43.52	-14.19	110	119	H
180.9050	35.97	Qp	17	-29.7	23.27	43.52	-20.25	110	119	H
180.8790	52.18	Pk	17	-29.7	39.48	43.52	-4.04	183	106	V
180.8790	47.26	Qp	17	-29.7	34.56	43.52	-8.96	183	106	V

Pk - Peak detector
 Qp - Quasi-Peak detector

MID CHANNEL



HORIZONTAL



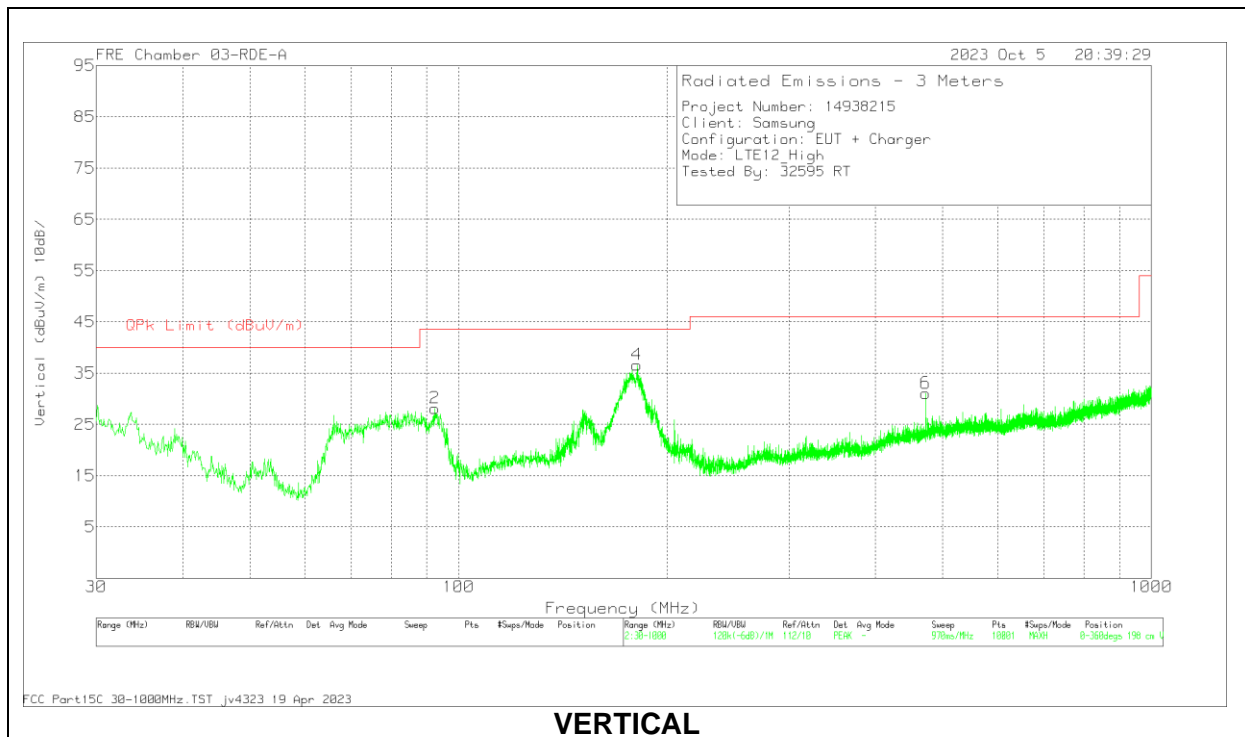
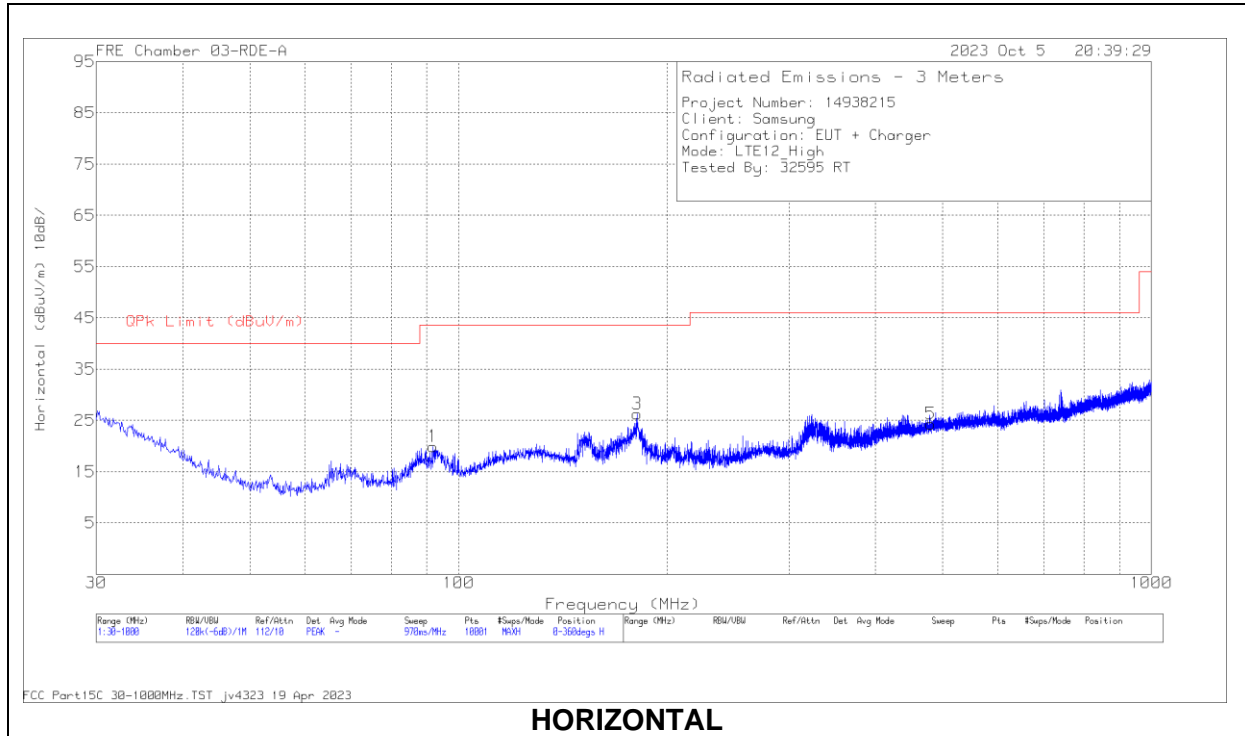
VERTICAL

RADIATED EMISSIONS

Frequency (MHz)	Meter Reading (dBuV)	Det	235173 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
53.4870	16.60	Pk	13.3	-30.8	-0.90	40	-40.90	59	185	H
53.4870	25.27	Qp	13.3	-30.8	7.77	40	-32.23	59	185	H
53.2989	25.16	Pk	13.3	-30.8	7.66	40	-32.34	85	116	V
53.2989	30.31	Qp	13.3	-30.8	12.81	40	-27.19	85	116	V
93.4395	36.76	Pk	14.4	-30.3	20.86	43.52	-22.66	148	229	H
93.4395	30.22	Qp	14.4	-30.3	14.32	43.52	-29.20	148	229	H
92.5262	44.76	Pk	14.2	-30.3	28.66	43.52	-14.86	329	113	V
92.5262	39.08	Qp	14.2	-30.3	22.98	43.52	-20.54	329	113	V
181.0280	41.26	Pk	17	-29.7	28.56	43.52	-14.96	264	165	H
181.0280	36.33	Qp	17	-29.7	23.63	43.52	-19.89	264	165	H
181.0490	52.33	Pk	17	-29.7	39.63	43.52	-3.89	165	102	V
181.0490	47.27	Qp	17	-29.7	34.57	43.52	-8.95	165	102	V

Pk - Peak detector
 Qp - Quasi-Peak detector

HIGH CHANNEL



RADIATED EMISSIONS

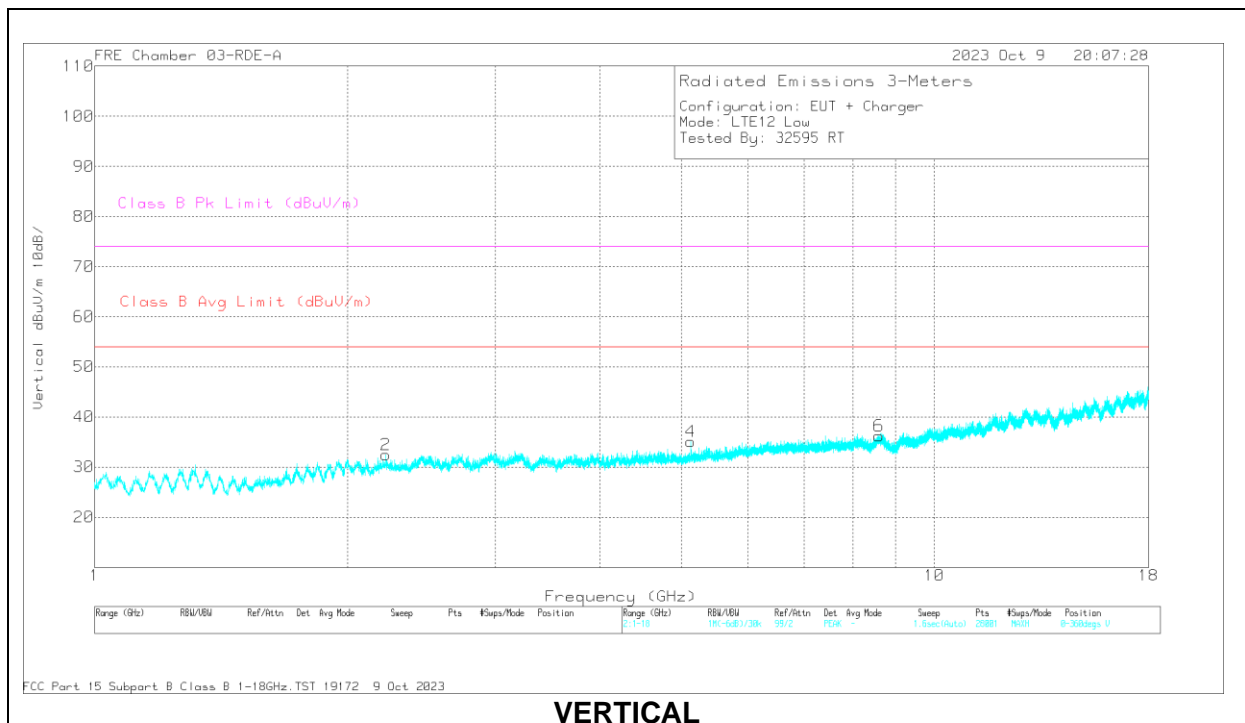
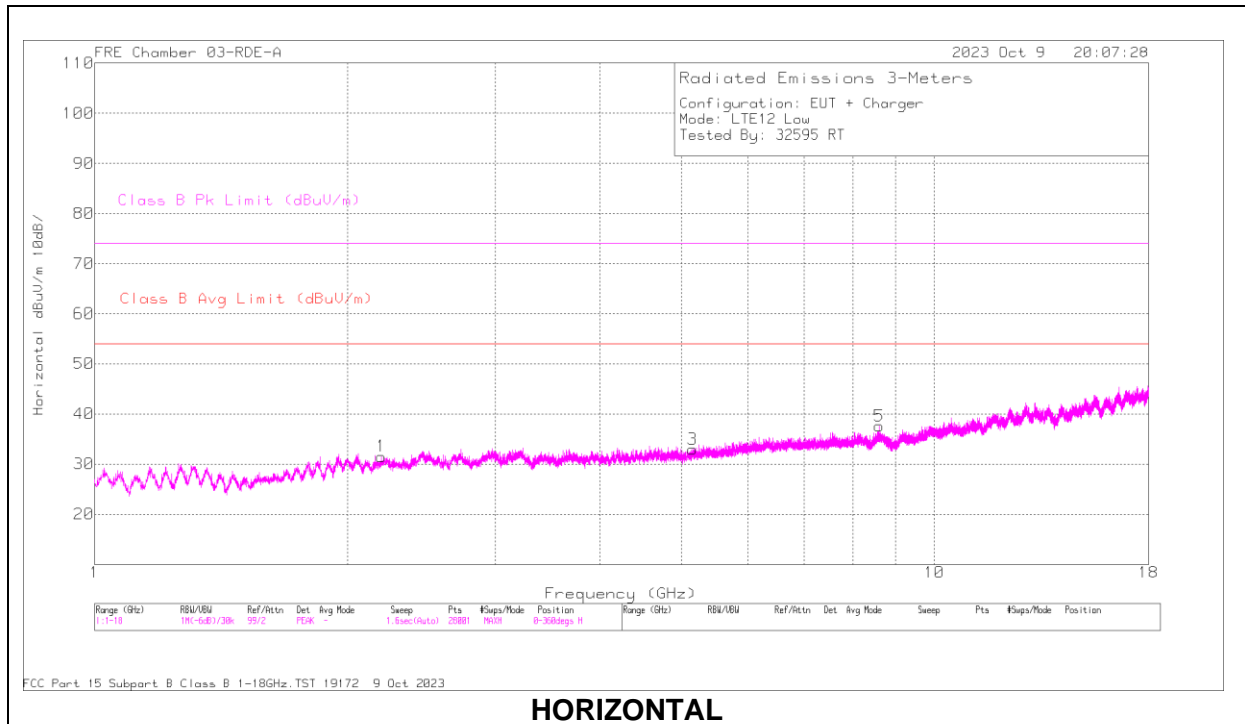
Frequency (MHz)	Meter Reading (dBuV)	Det	235173 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
91.9739	18.98	Pk	14.1	-30.3	2.78	43.52	-40.74	0	186	H
91.9739	26.98	Qp	14.1	-30.3	10.78	43.52	-32.74	0	186	H
92.4915	44.06	Pk	14.2	-30.3	27.96	43.52	-15.56	322	163	V
92.4915	38.24	Qp	14.2	-30.3	22.14	43.52	-21.38	322	163	V
181.0530	41.65	Pk	17	-29.7	28.95	43.52	-14.57	131	131	H
181.0530	36.49	Qp	17	-29.7	23.79	43.52	-19.73	131	131	H
181.0590	48.52	Pk	17	-29.7	35.82	43.52	-7.70	172	150	V
181.0590	43.35	Qp	17	-29.7	30.65	43.52	-12.87	172	150	V
480.0900	28.97	Pk	23.7	-28.3	24.37	46.02	-21.65	348	265	H
480.0900	20.26	Qp	23.7	-28.3	15.66	46.02	-30.36	348	265	H
472.9020	30.77	Pk	23.4	-28.4	25.77	46.02	-20.25	33	109	V
472.9020	22.61	Qp	23.4	-28.4	17.61	46.02	-28.41	33	109	V

Pk - Peak detector

Qp - Quasi-Peak detector

8.4.2. ABOVE 1GHz

LOW CHANNEL

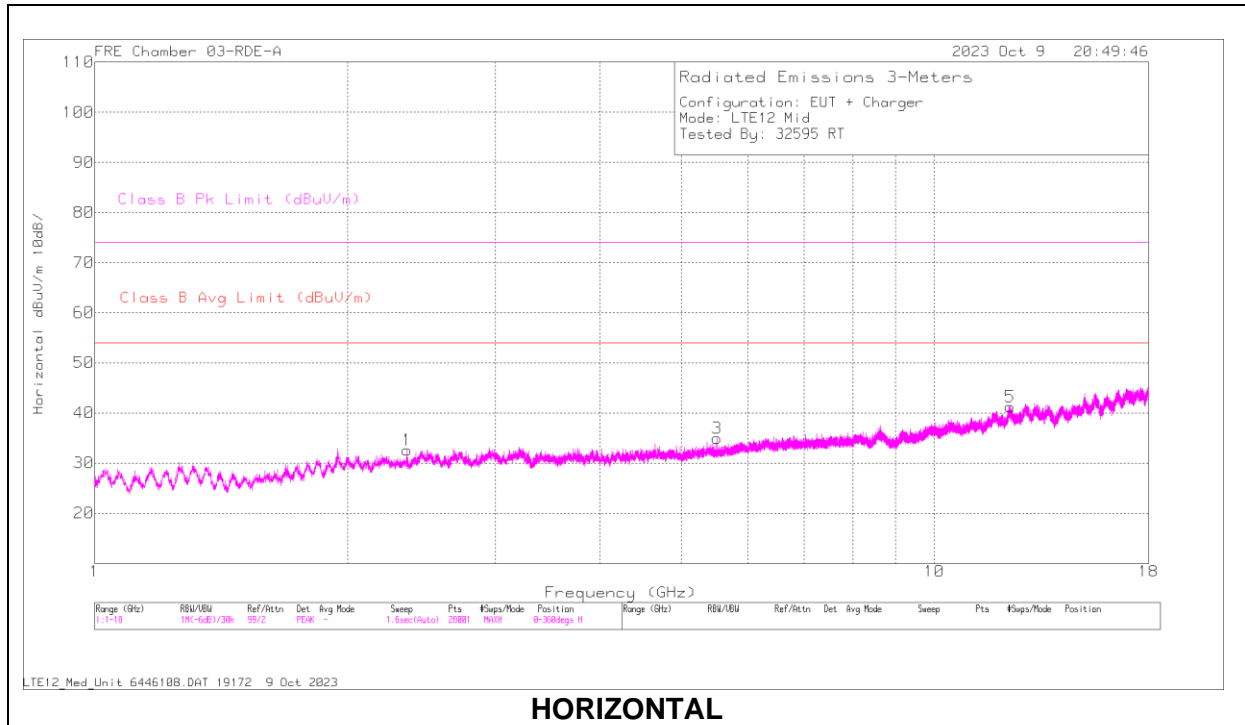


RADIATED EMISSIONS

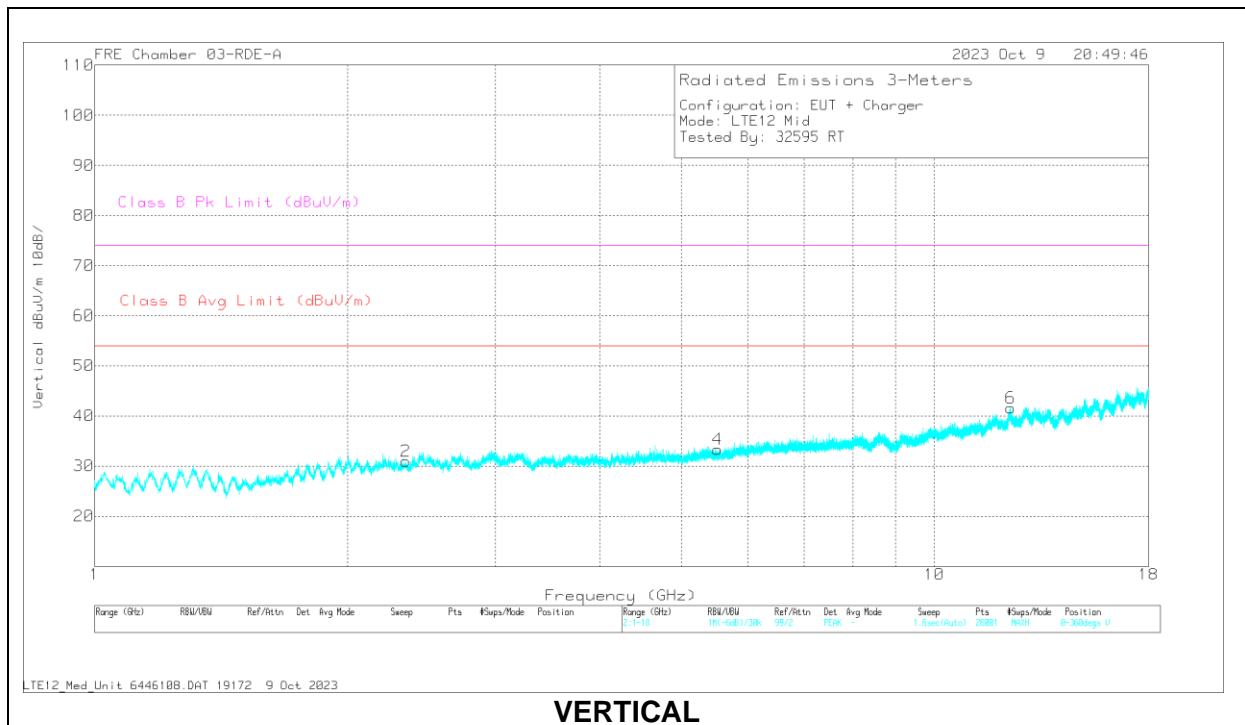
Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF 3m (dB/m)	Gain/Loss (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.196679	49.67	Pk	31.4	-49.92	31.15	-	-	74	-42.85	1	101	H
2.196679	46.01	Av	31.4	-49.92	27.49	54	-26.51	-	-	1	101	H
2.223393	51.03	Pk	31.4	-49.63	32.80	-	-	74	-41.20	1	101	V
2.223393	45.97	Av	31.4	-49.63	27.74	54	-26.26	-	-	1	101	V
5.155894	47.58	Pk	34.1	-47.89	33.79	-	-	74	-40.21	1	101	H
5.155894	42.99	Av	34.1	-47.89	29.20	54	-24.8	-	-	1	101	H
5.126751	45.74	Pk	34.1	-48.12	31.72	-	-	74	-42.28	1	101	V
5.126751	42.88	Av	34.1	-48.12	28.86	54	-25.14	-	-	1	101	V
8.603252	46.18	Pk	35.6	-44.57	37.21	-	-	74	-36.79	1	101	H
8.603252	40.98	Av	35.6	-44.57	32.01	54	-21.99	-	-	1	101	H
8.592930	48.56	Pk	35.6	-44.64	39.52	-	-	74	-34.48	1	101	V
8.592930	40.89	Av	35.6	-44.64	31.85	54	-22.15	-	-	1	101	V

Pk - Peak detector
 Av - Average detection

MID CHANNEL



HORIZONTAL



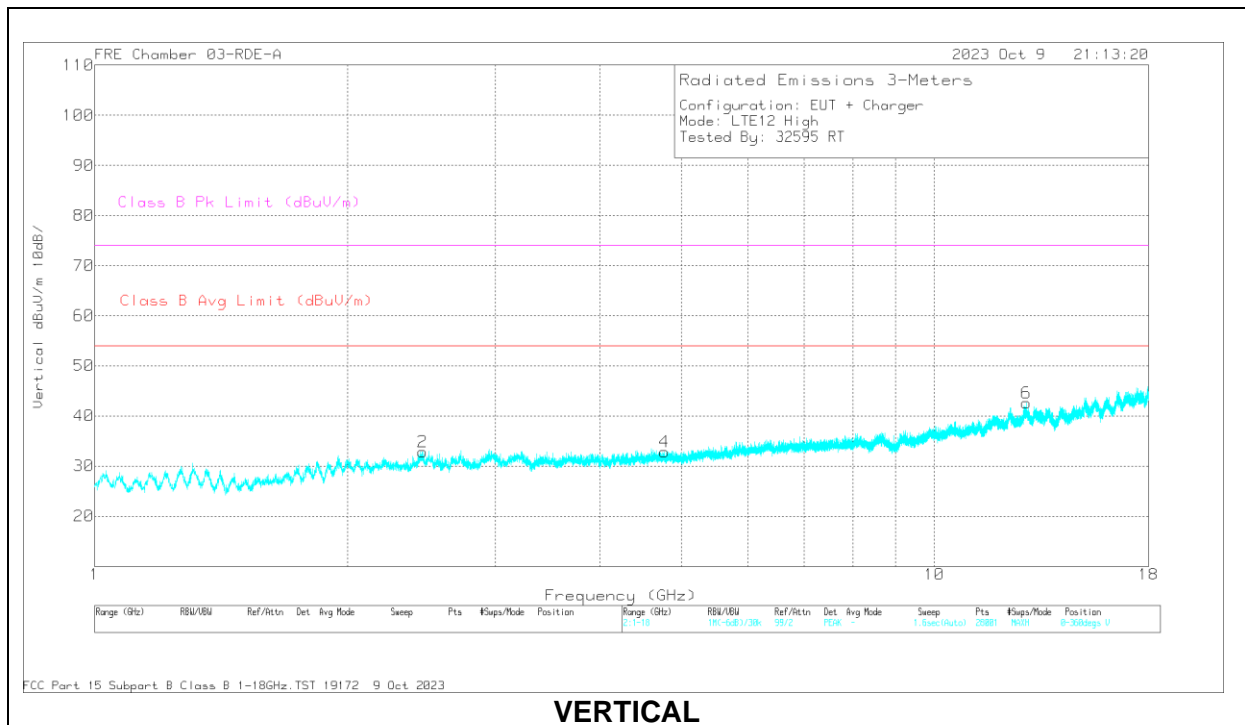
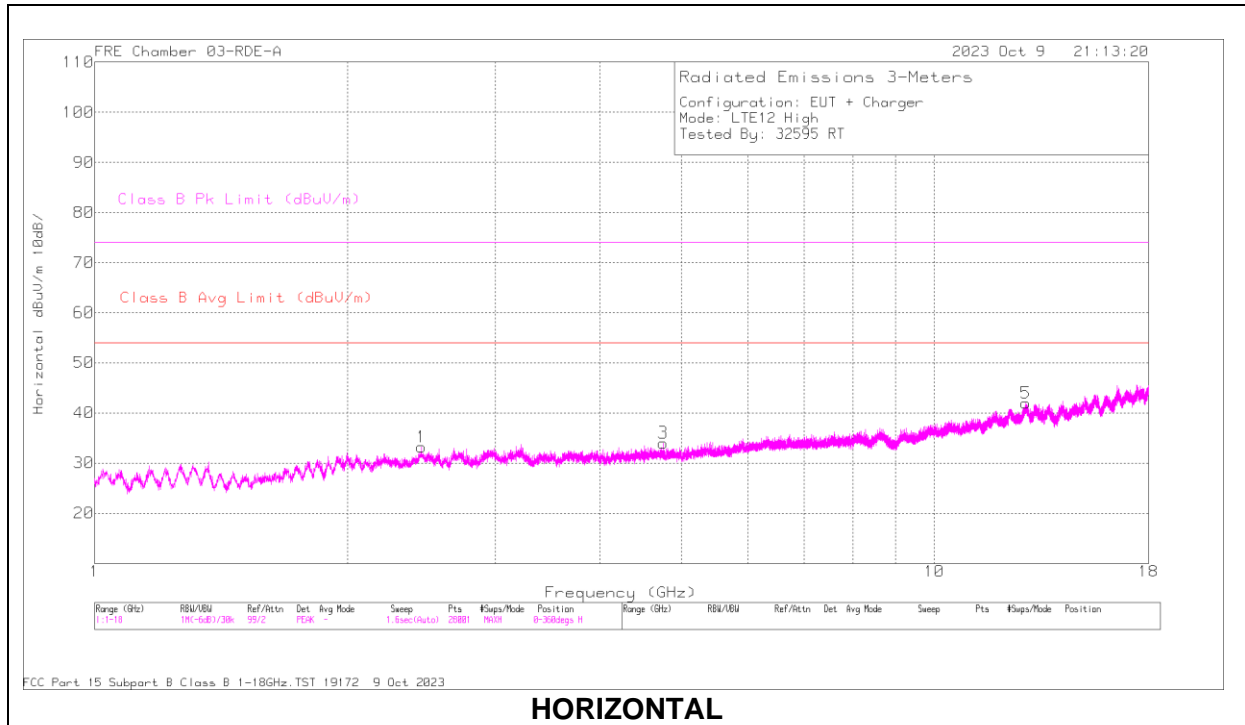
VERTICAL

RADIATED EMISSIONS

Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF 3m (dB/m)	Gain/Loss (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.357572	50.96	Pk	31.8	-49.62	33.14	-	-	74	-40.86	0	101	H
2.357572	44.87	Av	31.8	-49.62	27.05	54	-26.95	-	-	0	101	H
2.348465	49.16	Pk	31.7	-49.54	31.32	-	-	74	-42.68	0	101	V
2.348465	45.13	Av	31.7	-49.54	27.29	54	-26.71	-	-	0	101	V
5.515930	44.87	Pk	34.4	-47.20	32.07	-	-	74	-41.93	0	101	H
5.515930	42.14	Av	34.4	-47.20	29.34	54	-24.66	-	-	0	101	H
5.521394	47.88	Pk	34.4	-47.27	35.01	-	-	74	-38.99	0	101	V
5.521394	42.15	Av	34.4	-47.27	29.28	54	-24.72	-	-	0	101	V
12.309253	41.11	Pk	38.7	-41.92	37.89	-	-	74	-36.11	0	101	H
12.309253	39.88	Av	38.7	-41.92	36.66	54	-17.34	-	-	0	101	H
12.329288	44.45	Pk	38.7	-41.96	41.19	-	-	74	-32.81	0	101	V
12.329288	39.69	Av	38.7	-41.96	36.43	54	-17.57	-	-	0	101	V

Pk - Peak detector
 Av - Average detection

HIGH CHANNEL



RADIATED EMISSIONS

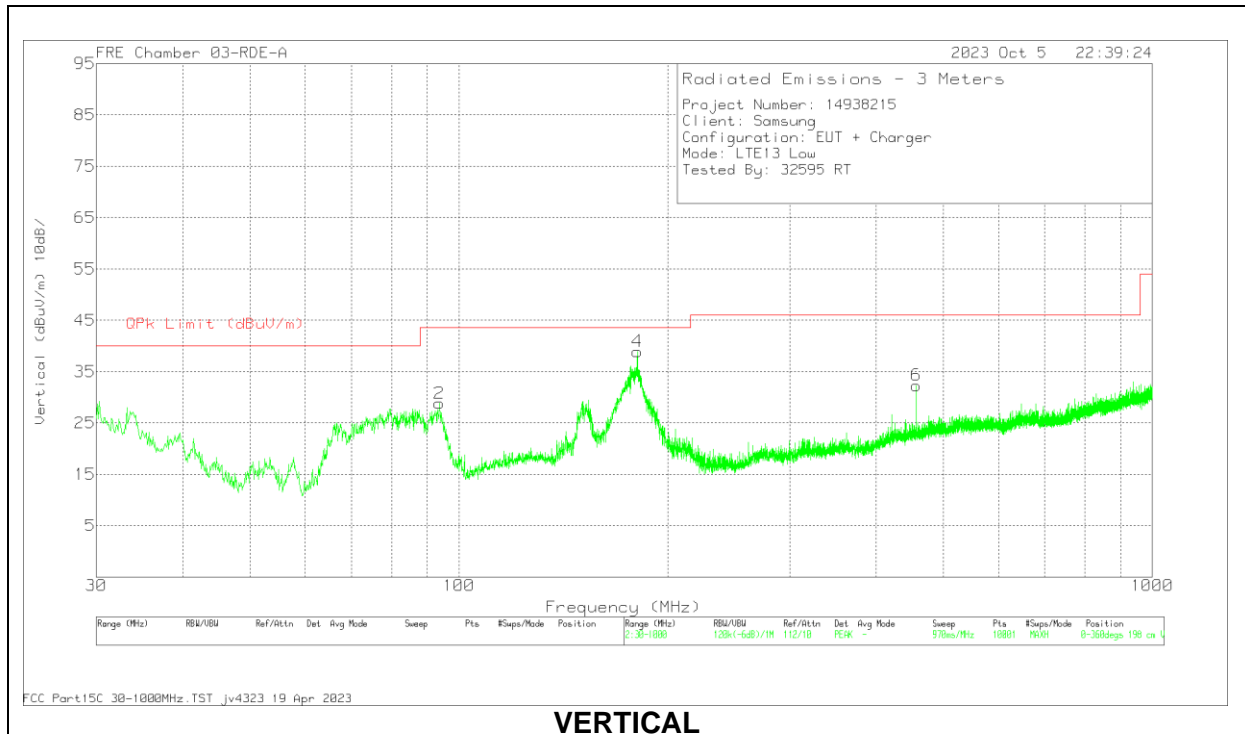
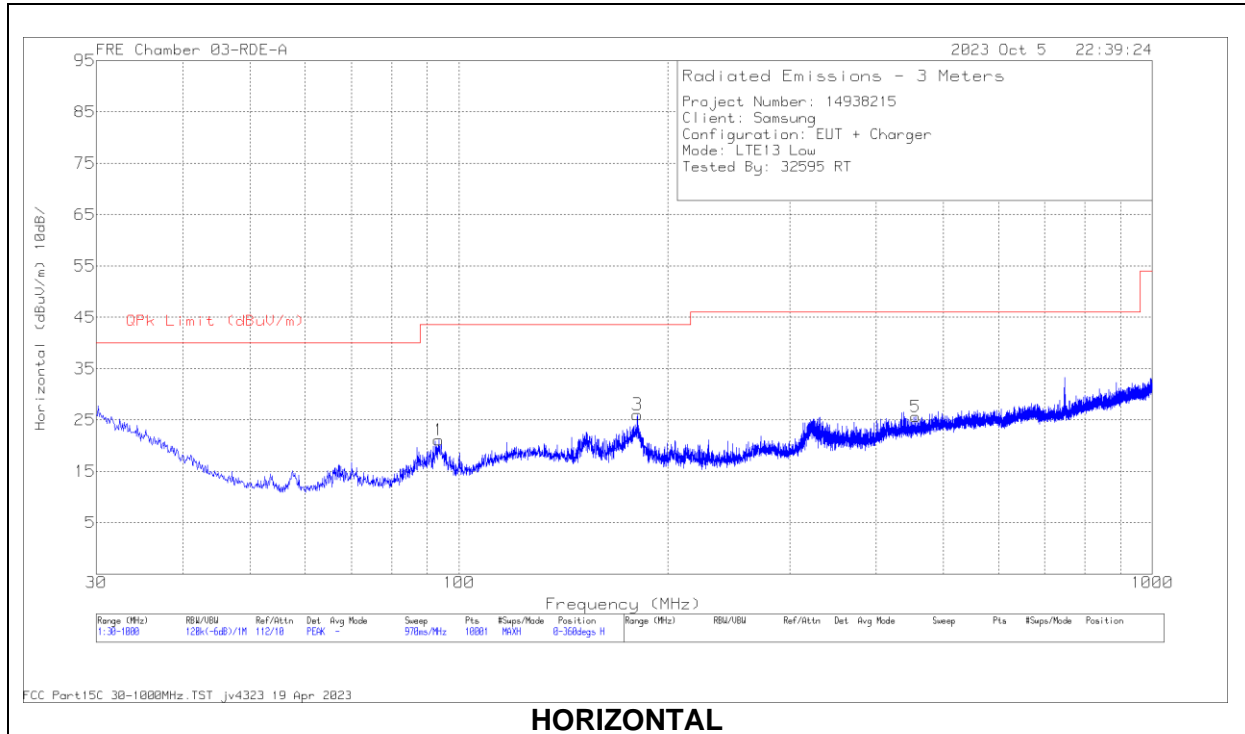
Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF 3m (dB/m)	Gain/Loss (dB)	Corrected Reading dBuV/m	Class B Avg Limit (dBuV/m)	Margin (dB)	Class B Pk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.449857	46.76	Pk	32.1	-49.22	29.64	-	-	74	-44.36	1	101	H
2.449858	46.21	Av	32.1	-49.22	29.09	54	-24.91	-	-	1	101	H
2.457750	49.47	Pk	32.1	-49.14	32.43	-	-	74	-41.57	1	101	V
2.457750	45.85	Av	32.1	-49.14	28.81	54	-25.19	-	-	1	101	V
4.755787	48.95	Pk	34	-47.84	35.11	-	-	74	-38.89	1	101	H
4.755787	42.90	Av	34	-47.84	29.06	54	-24.94	-	-	1	101	H
4.768537	47.52	Pk	34	-48.15	33.37	-	-	74	-40.63	1	101	V
4.768537	42.81	Av	34	-48.15	28.66	54	-25.34	-	-	1	101	V
12.861146	46.27	Pk	39.1	-41.54	43.83	-	-	74	-30.17	1	101	H
12.861146	40.29	Av	39.1	-41.54	37.85	54	-16.15	-	-	1	101	H
12.869646	43.71	Pk	39.1	-41.47	41.34	-	-	74	-32.66	1	101	V
12.869646	40.25	Av	39.1	-41.47	37.88	54	-16.12	-	-	1	101	V

Pk - Peak detector
 Av - Average detection

8.5. LTE BAND 13

8.5.1. BELOW 1GHz

LOW CHANNEL

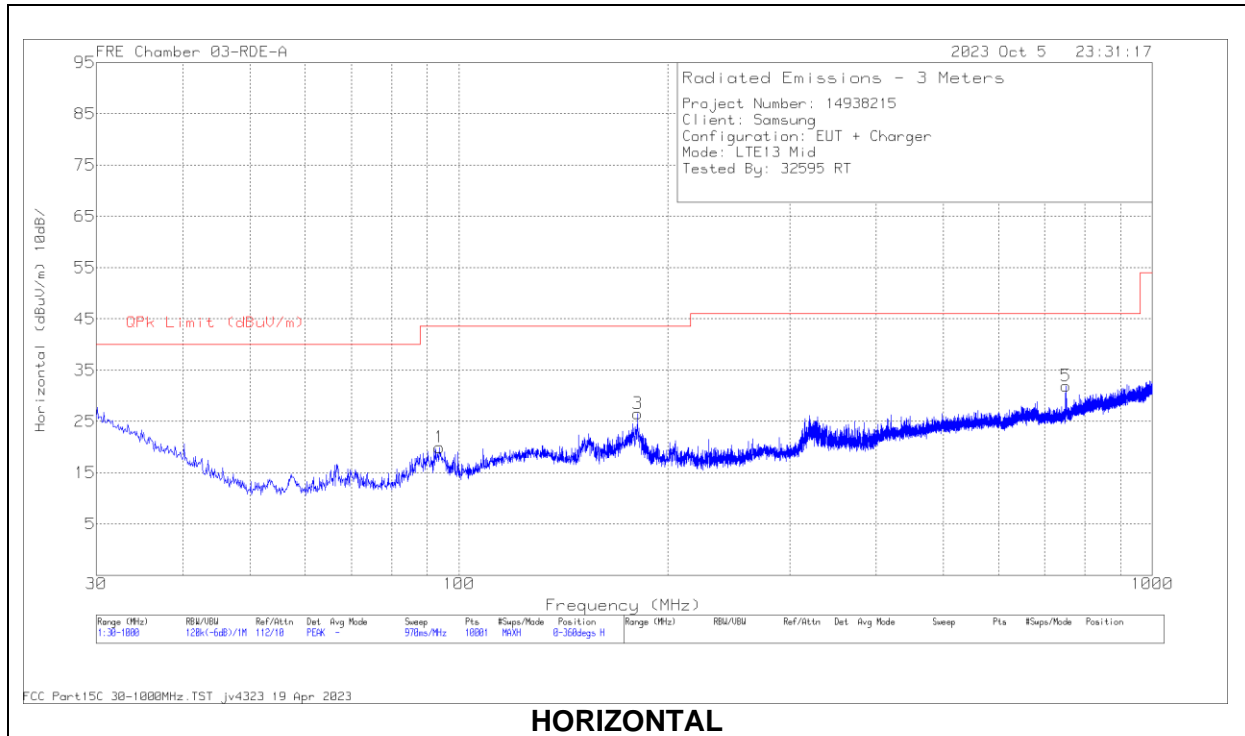


RADIATED EMISSIONS

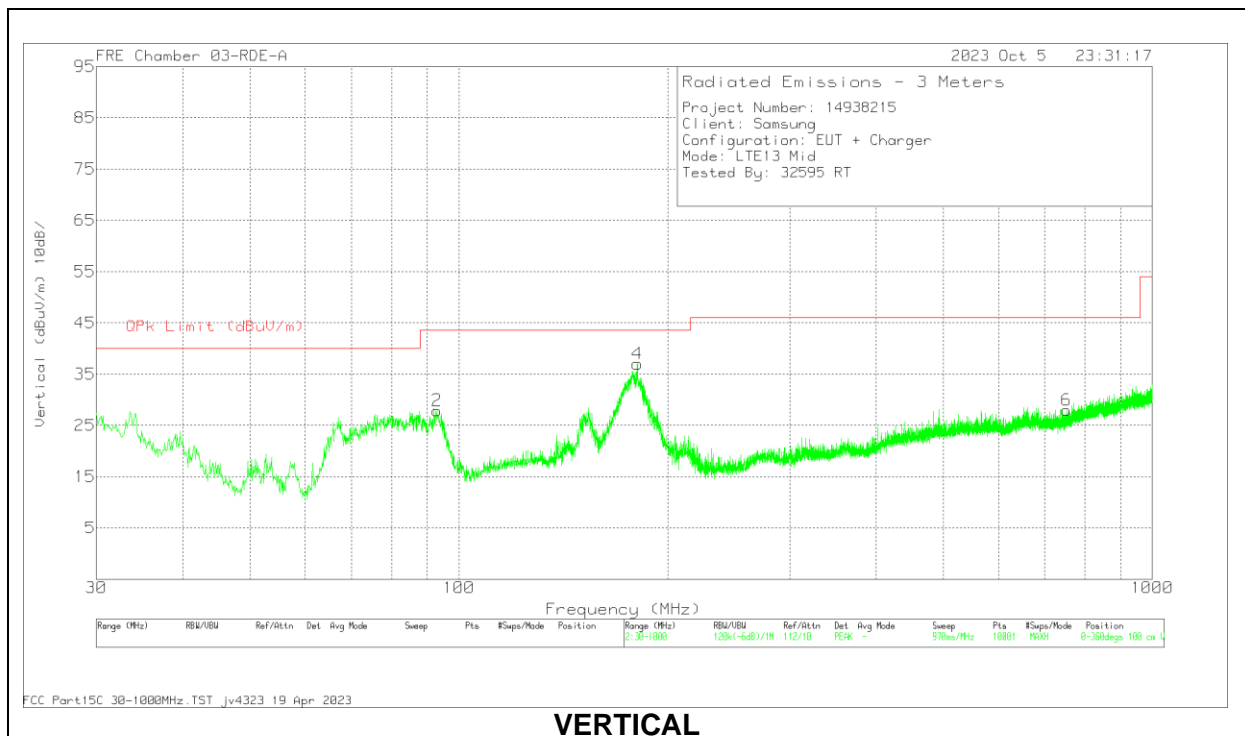
Frequency (MHz)	Meter Reading (dBuV)	Det	235173 ACF (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
93.2536	36.98	Pk	14.4	-30.3	21.08	43.52	-22.44	146	373	H
93.2536	30.78	Qp	14.4	-30.3	14.88	43.52	-28.64	146	373	H
93.2003	42.98	Pk	14.3	-30.3	26.98	43.52	-16.54	83	121	V
93.2003	37.98	Qp	14.3	-30.3	21.98	43.52	-21.54	83	121	V
181.0520	42.08	Pk	17	-29.7	29.38	43.52	-14.14	274	132	H
181.0520	36.81	Qp	17	-29.7	24.11	43.52	-19.41	274	132	H
181.0530	52.25	Pk	17	-29.7	39.55	43.52	-3.97	163	110	V
181.0540	47.09	Qp	17	-29.7	34.39	43.52	-9.13	163	110	V
455.8820	28.22	Pk	22.9	-28.4	22.72	46.02	-23.30	319	171	H
455.8820	20.08	Qp	22.9	-28.4	14.58	46.02	-31.44	319	171	H
456.4710	30.11	Pk	22.9	-28.4	24.61	46.02	-21.41	268	190	V
456.4710	22.72	Qp	22.9	-28.4	17.22	46.02	-28.80	268	190	V

Pk - Peak detector
 Qp - Quasi-Peak detector

MID CHANNEL



HORIZONTAL



VERTICAL