



CERTIFICATION TEST REPORT

Report Number. : 11616858-E3V4

Applicant : Verifone, Inc.
1400 West Stanford Ranch Road
Rocklin, CA 95765, U.S.A.

Model : V200t Plus 3G/D/E

FCC ID : B32V200TPLUS

IC : 787C-V200TPLUS

EUT Description : Point of Sale Terminal

Test Standard(s) : FCC 47 CFR PART 15 SUBPART C
INDUSTRY CANADA RSS - 247 ISSUE 2
INDUSTRY CANADA RSS-GEN ISSUE 4

Date Of Issue:

April 03, 2018

Prepared by:

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Revision History

Rev.	Issue Date	Revisions	Revised By
V1	12/07/17	Initial Issue	--
V2	02/26/18	Revised Description of EUT. Revised Scope of Testing section. Revised AG	Frank Ibrahim
V3	03/12/18	Revised Scope of Testing	Frank Ibrahim
V4	04/03/18	Revised Scope of Testing	Glenn Escano

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1. ATTESTATION OF TEST RESULTS

COMPANY NAME: Verifone, Inc.
1400 West Stanford Ranch Road Suite 200
Rocklin, CA 95765, U.S.A.

EUT DESCRIPTION: Point of Sale Terminal

MODEL: V200t Plus 3G/D/E

SERIAL NUMBER: 401-431-539

DATE TESTED: November 27 – 28, 2017

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC 47 CFR PART 15 SUBPART C	Pass
INDUSTRY CANADA RSS-247 Issue 2	Pass
INDUSTRY CANADA RSS-GEN Issue 4	Pass

UL Verification Services Inc. 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 Verification Services Inc. 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 Verification Services Inc. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Verification Services Inc. will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, any agency of the Federal Government, or any agency of any government.

Approved & Released For
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FRANK IBRAHIM
CONSUMER TECHNOLOGY DIVISION
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UL VERIFICATION SERVICES INC

Prepared By:



GLENN ESCANO
CONSUMER TECHNOLOGY DIVISION
TEST ENGINEER
UL VERIFICATION SERVICES INC

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with FCC CFR 47 Part 2, FCC CFR 47 Part 15 Subpart C, KDB 558074 D01 v04, ANSI C63.10-2013, IC RSS-GEN Issue 4, and IC RSS-247 Issue 2.

3. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 47173 and 47266 Benicia Street, Fremont, California, USA. Line conducted emissions are measured only at the 47173 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.

47173 Benicia Street	47266 Benicia Street
☐ Chamber A (IC:2324B-1)	☐ Chamber D (IC:22541-1)
☒ Chamber B (IC:2324B-2)	☐ Chamber E (IC:22541-2)
☐ Chamber C (IC:2324B-3)	☐ Chamber F (IC:22541-3)
	☐ Chamber G (IC:22541-4)
	☐ Chamber H (IC:22541-5)

The above test sites and facilities are covered under FCC Test Firm Registration # 208313. UL Verification Services Inc. is accredited by NVLAP, Laboratory Code 200065-0.

Chambers A through C are covered under Industry Canada Company address code 2324B with site numbers 2324B -1 through 2324B-3, respectively and Chambers D through H are covered under Industry Canada company address code 22541 with site numbers 22541 -1 through 22541-5, respectively.

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:

$$\begin{aligned} \text{Field Strength (dBuV/m)} &= \text{Measured Voltage (dBuV)} + \text{Antenna Factor (dB/m)} + \\ &\text{Cable Loss (dB)} - \text{Preamplifier Gain (dB)} \\ 36.5 \text{ dBuV} + 18.7 \text{ dB/m} + 0.6 \text{ dB} - 26.9 \text{ dB} &= 28.9 \text{ dBuV/m} \end{aligned}$$

4.3. MEASUREMENT UNCERTAINTY

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

Parameter	Uncertainty
Worst Case Conducted Disturbance, 9KHz to 0.15 MHz	3.84 dB
Worst Case Conducted Disturbance, 0.15 to 30 MHz	3.65 dB
Worst Case Radiated Disturbance, 9KHz to 30 MHz	3.15 dB
Worst Case Radiated Disturbance, 30 to 1000 MHz	5.36 dB
Worst Case Radiated Disturbance, 1000 to 18000 MHz	4.32 dB
Worst Case Radiated Disturbance, 18000 to 26000 MHz	4.45 dB
Worst Case Radiated Disturbance, 26000 to 40000 MHz	5.24 dB

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

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

The EUT is a Mobile Point of Sale Terminal which supports the following technologies WLAN 2.4 GHz and 5 GHz, Bluetooth, GSM 850 / GSM 1900, WCDMA Band II / WCDMA Band V, and NFC.

5.2. SCOPE OF TESTING

This report covers radiated emissions portion. For antenna port data refer to report number 11631998-E2V1 (FCC ID: B32V240MPLUS, IC 787C-V240MPLUS) that covered model V240m Plus 3GBW as the Bluetooth radio module covered by this report is identical to the Bluetooth radio module of model V240m Plus 3GBW with same output power values. Output power was confirmed prior to making radiated spurious measurements.

5.3. DESCRIPTION OF AVAILABLE ANTENNAS

The radio utilizes a Chip Multilayer Antenna with the following gains:

Frequency Band (GHz)	Antenna Gain (dBi)
2402-2480	1.90

5.4. SOFTWARE AND FIRMWARE

The firmware installed in the EUT during testing was VOS2 30640XXX

5.5. WORST-CASE CONFIGURATION AND MODE

Radiated emission below 1GHz, above 18GHz, and power line conducted emission were performed with the EUT was set to transmit at the channel with highest output power as worst-case scenario.

The fundamental of the EUT was investigated in three orthogonal orientations X, Y, & Z, and it was determined that X-Axis orientation was worst-case orientation; therefore, all final radiated testing was performed with the EUT in X-Axis orientation.

All final tests in the BLE mode were made at 1 Mb/s.

5.6. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

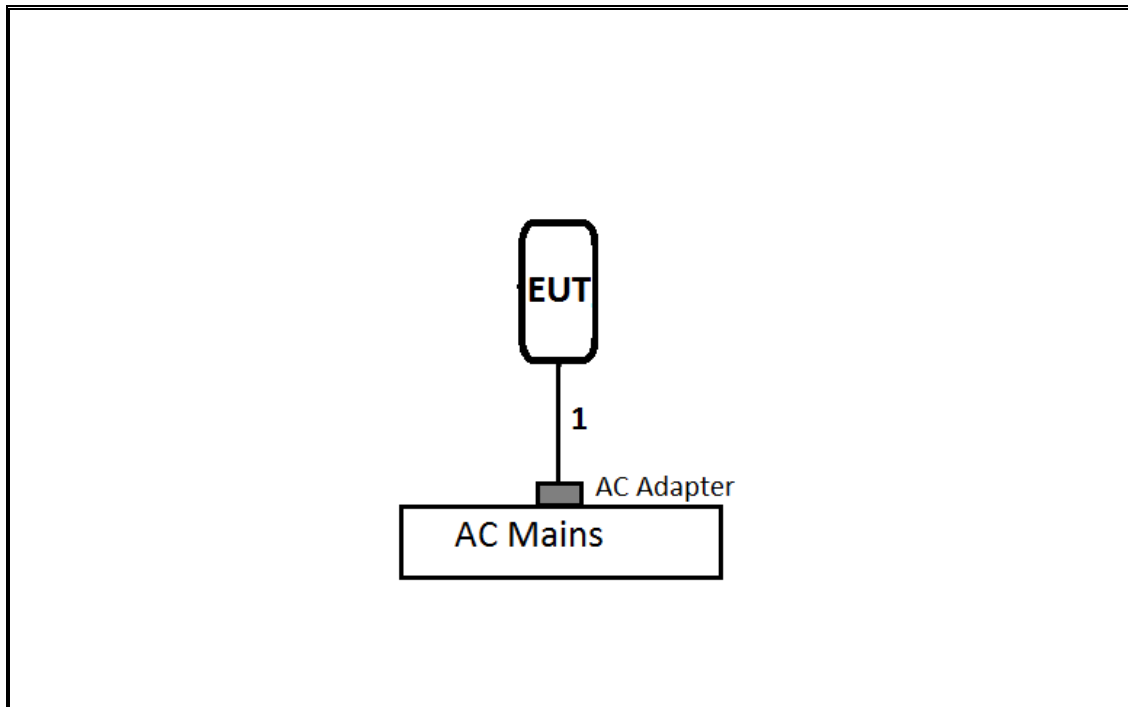
Support Equipment List			
Description	Manufacturer	Model	Serial Number
AC Adapter	Verifone	PSA18A-082A	5A00170801207

I/O CABLES (RADIATED EMISSIONS)

I/O Cable List						
Cable No	Port	# of identical ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	DC	1	AC	Un-shielded	2	N/A

TEST SETUP

RADIATED EMISSIONS SETUP DIAGRAM



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	Asset	Cal Due
Antenna, Broadband Hybrid, 30MHz to 2000MHz w/4dB Pad	Sunol Sciences Corp.	JB3	T899	06/15/2018
Antenna, Active Loop 9kHz-30MHz	Com-Power Corp.	AL-130R	T1866	10/10/2018
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	T863	06/09/2018
Antenna, Horn 18-26.5GHz	ARA	MWH-1826/B	T449	06/12/2018
Amplifier, 1-26.5GHz	MITEQ	AFS42-00101800-25-S-42	T1165	08/01/2018
Amplifier, 1-26.5GHz	Agilent (Keysight) Technologies	8449B	T404	06/12/2018
Amplifier, 10kHz-1GHz	HP	8447D	T10	02/15/2018
Amplifier, 1-8 GHz	MITEQ	AFS42-00101800-25-S-42	T931	08/26/2018
Spectrum Analyzer, PXA, 3Hz to 44GHz	Agilent (Keysight) Technologies	N9030A	T1454	12/15/2017
Spectrum Analyzer, PXA, 3Hz to 44GHz	Agilent (Keysight) Technologies	E9030A	T907	01/23/2018
Bluetooth Tester	Rohde & Schwarz	CBT	T258	07/25/2018

Test Software List			
Description	Manufacturer	Model	Version
Radiated Software	UL	UL EMC	Ver 9.5, Dec 01, 2016

7. RADIATED TEST RESULTS

7.1. ON TIME, DUTY CYCLE

LIMITS

None; for reporting purposes only.

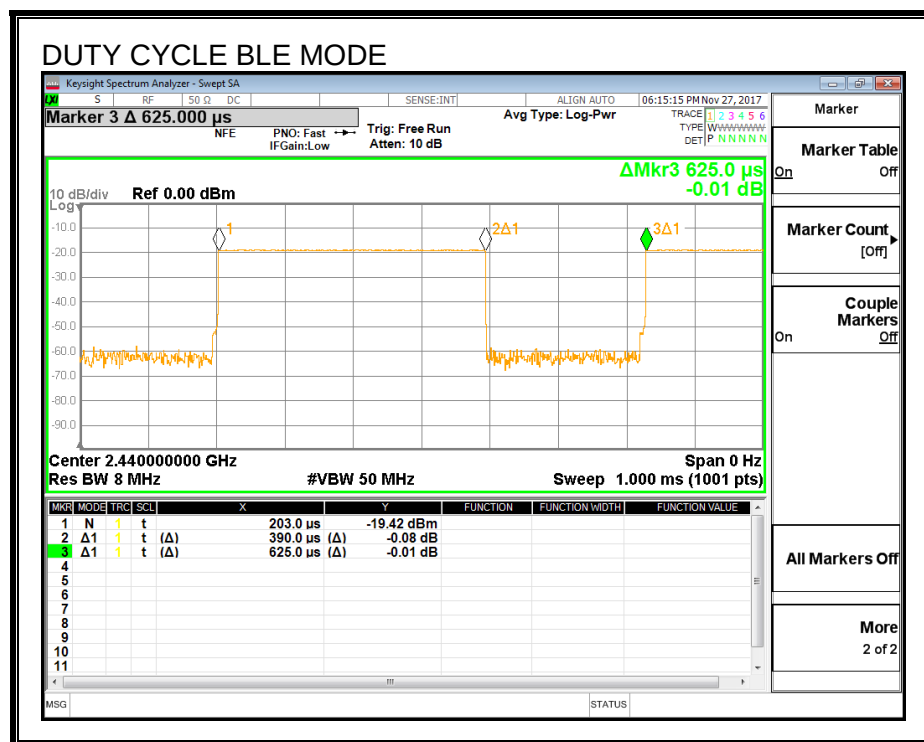
PROCEDURE

KDB 558074 Zero-Span Spectrum Analyzer Method.

ON TIME AND DUTY CYCLE RESULTS

Mode	ON Time B (msec)	Period (msec)	Duty Cycle x (linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)
BLE	0.390	0.625	0.623	62.33%	2.05	2.567

DUTY CYCLE PLOT



7.2. LIMITS AND PROCEDURE

LIMITS

FCC §15.205 and §15.209

IC RSS-GEN, Section 8.9 and 8.10.

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
0.009-0.490	2400/F(kHz) @ 300m	2400/F(kHz) @ 300m
0.490-1.705	24000/F(kHz) @ 30m	24000/F(kHz) @ 30m
1.705-30.0	30 @ 30m	30 @ 30m
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

NOTE: KDB 414788 D01 OATS and Chamber Correlation Justification

- Based on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.
- OATs and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 1 GHz the resolution bandwidth is set to 120 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements for the 30-1000 MHz range, 9 kHz for peak detection measurements or 9 kHz for quasi-peak detection measurements for the 0.15-30 MHz range and 200 Hz for peak detection measurements or 200 Hz for quasi-peak detection measurements for the 9 to 150 kHz range. Peak detection is used unless otherwise noted as quasi-peak.

For pre-scans above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 30 KHz for peak measurements.

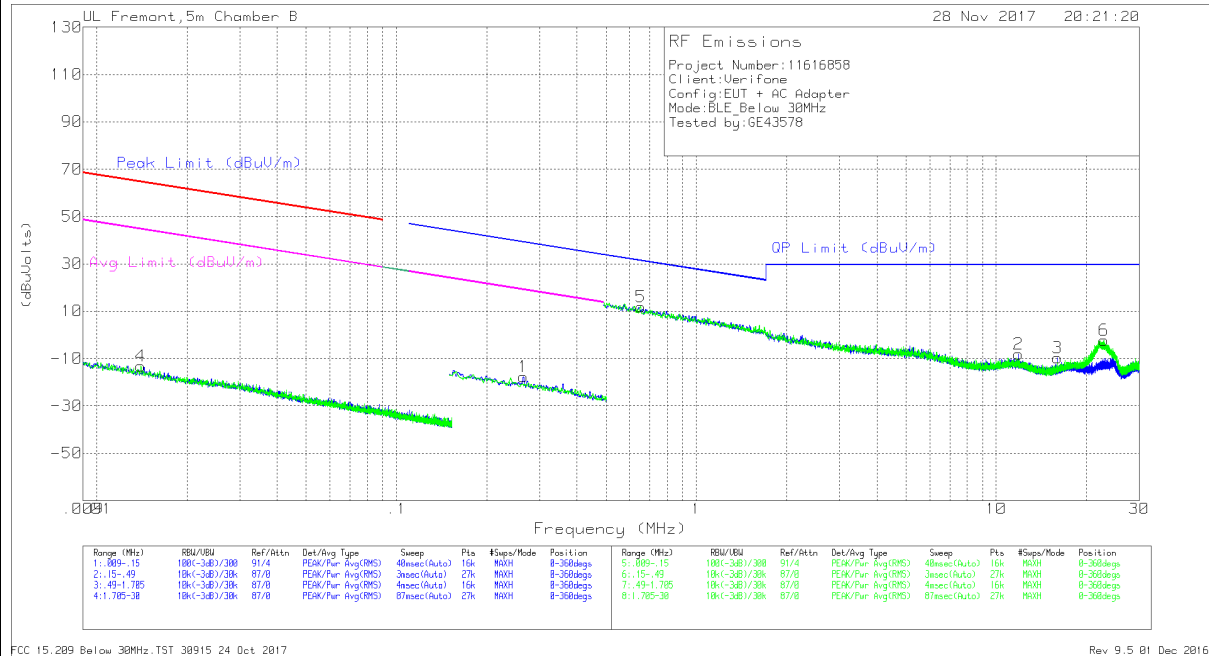
For final measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and as applicable for average measurements.

The spectrum from 1 GHz to 18 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band. Below 1GHz and above 18GHz emissions, the channel with the highest output power was tested.

The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

7.3. SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION)

HORIZONTAL AND VERTICAL PLOTS



NOTE: KDB 414788 D01 OATS and Chamber Correlation Justification

- Based on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.
- OATs and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

Trace Markers

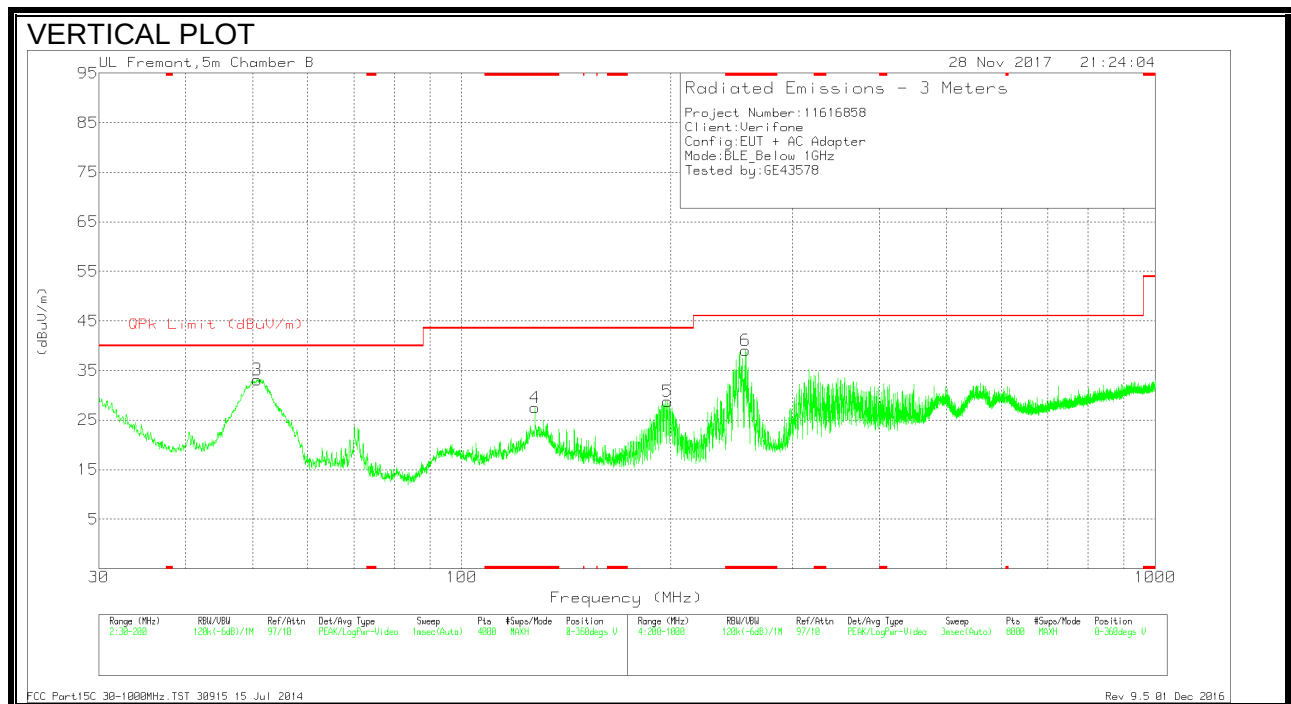
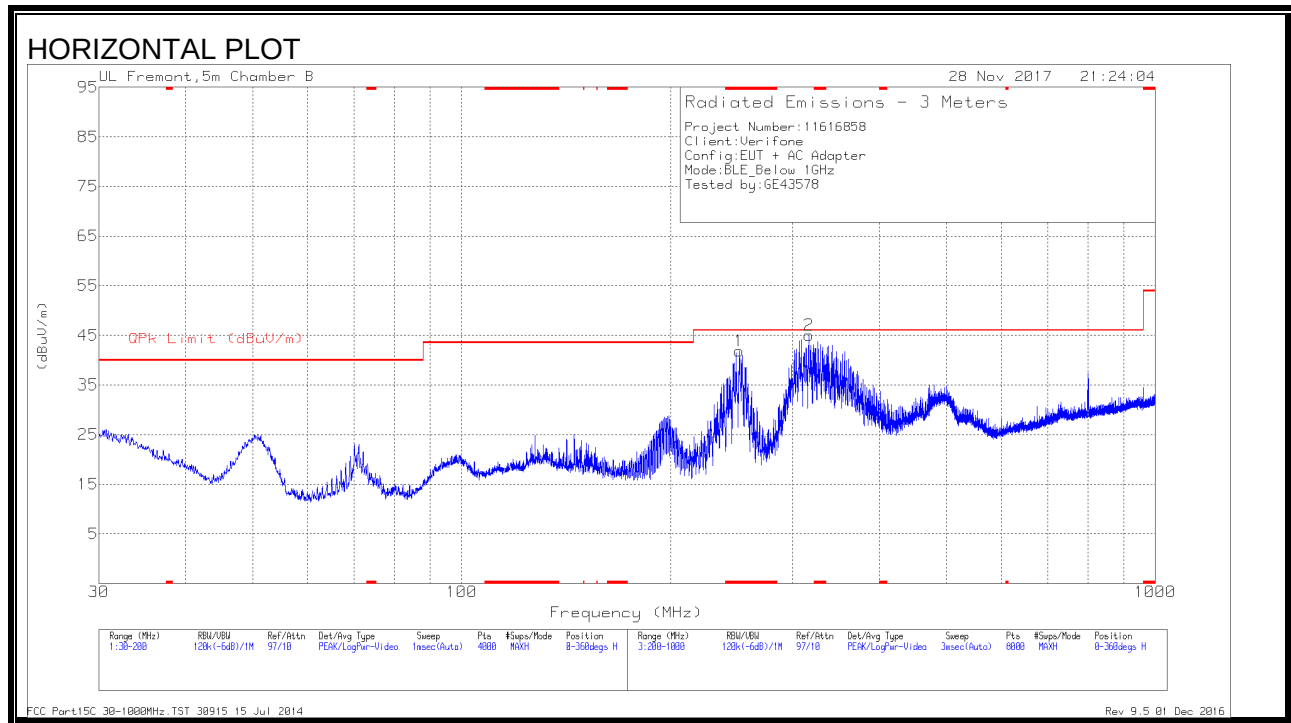
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cbl (dB)	Dist Corr 300m	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
4	.01405	50.05	Pk	15.3	1.4	-80	-13.25	64.63	-77.88	44.63	-57.88	-	-	-	-	0-360
1	.26493	46.93	Pk	13.8	1.5	-80	-17.77	-	-	-	-	39.15	-56.92	19.15	-36.92	0-360

Pk - Peak detector

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cbl (dB)	Dist Corr (dB) 40Log	Corrected Reading (dBuVolts)	QP Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
5	.65173	36.23	Pk	14	1.5	-40	11.73	31.33	-19.6	-	-	-	-	0-360
2	11.89104	15.59	Pk	14.7	1.6	-40	-8.11	29.5	-37.61	-	-	-	-	0-360
3	15.98452	14.21	Pk	14.4	1.6	-40	-9.79	29.5	-39.29	-	-	-	-	0-360
6	22.89032	22.31	Pk	13.8	1.7	-40	-2.19	29.5	-31.69	-	-	-	-	0-360

Pk - Peak detector

7.3.1. SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION)



Trace Markers

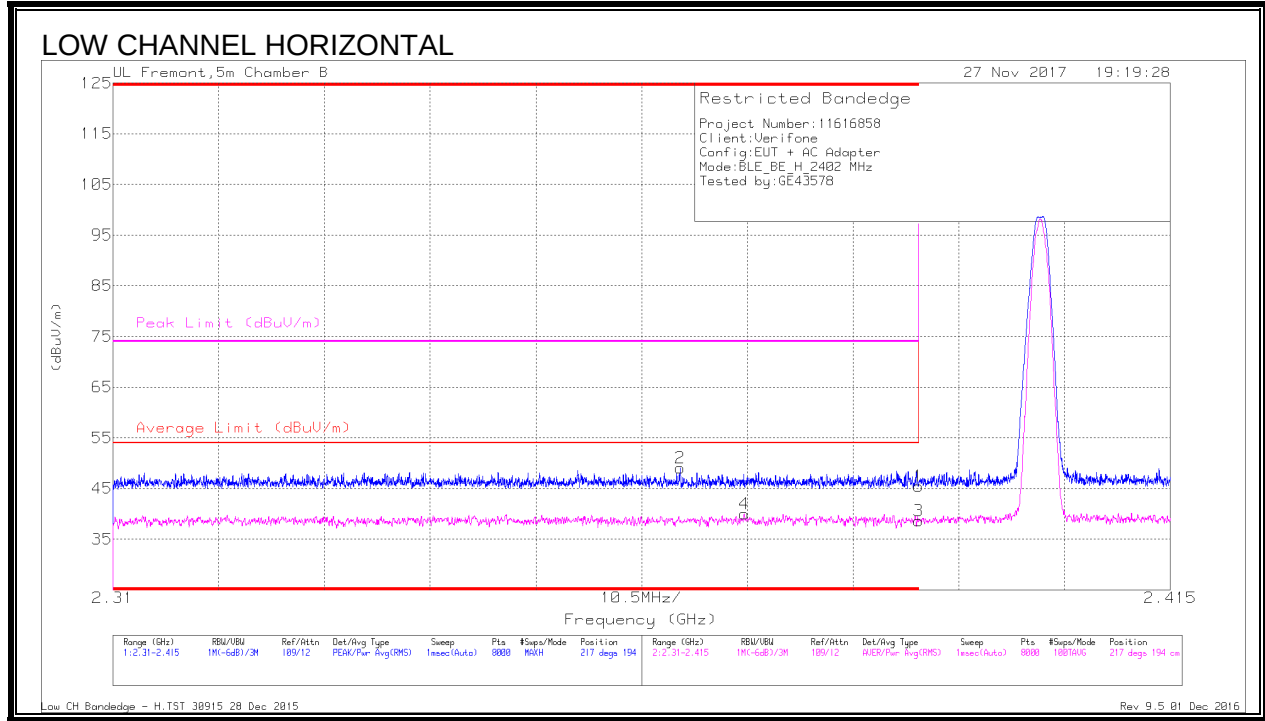
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T899 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 127.5627	37.4	Pk	17.7	-27.6	27.5	43.52	-16.02	0-360	100	V
1	* 251.2542	49.3	Qp	15.5	-26.3	38.5	46.02	-7.52	250	125	H
6	* 256.8074	49.5	Pk	15.8	-26.3	39	46.02	-7.02	0-360	100	V
3	50.7029	50.45	Pk	11.2	-28.5	33.15	40	-6.85	0-360	100	V
5	198.1098	39.21	Pk	16.4	-26.8	28.81	43.52	-14.71	0-360	100	V
2	316.8651	46.54	Qp	17.8	-25.8	38.54	46.02	-7.48	240	108	H

Pk - Peak detector

Qp - Quasi-Peak detector

7.3.2. TRANSMITTER ABOVE 1 GHz

BANDEDGE (LOW CHANNEL)



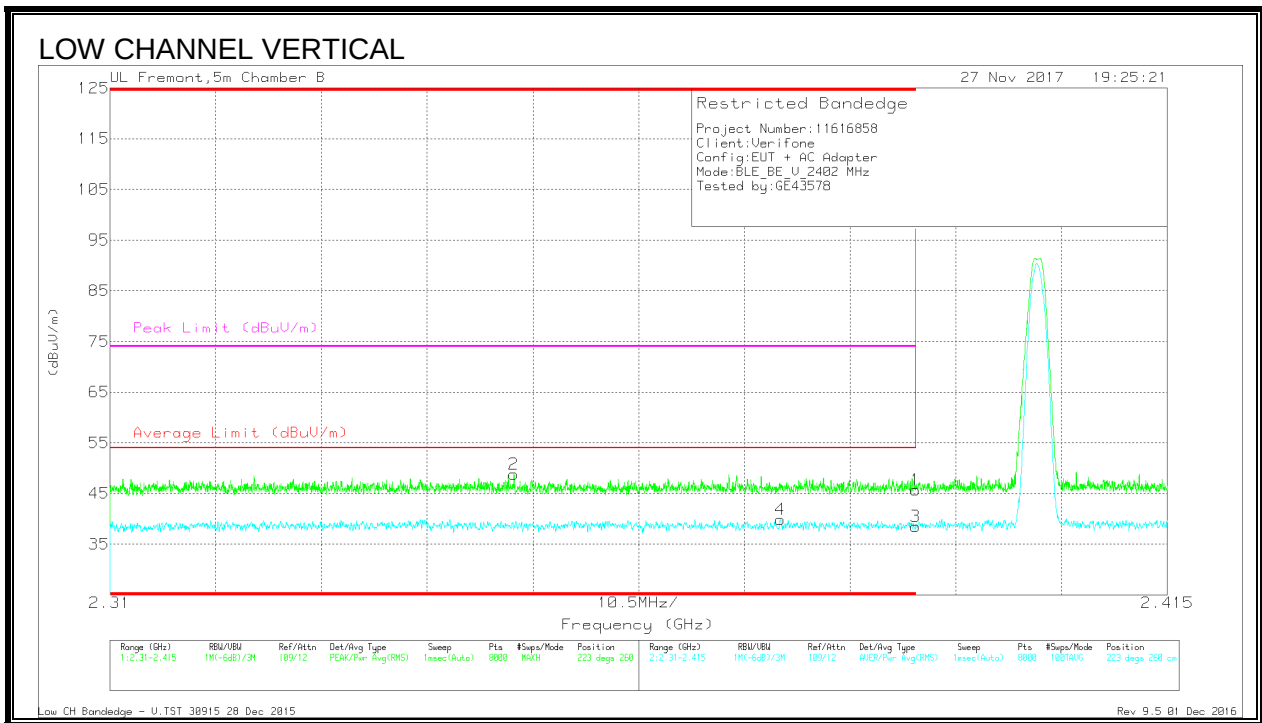
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	34.65	Pk	32	-21.2	0	45.45	-	-	74	-28.55	217	194	H
2	* 2.366	38.22	Pk	31.9	-21.1	0	49.02	-	-	74	-24.98	217	194	H
3	* 2.39	25.72	RMS	32	-21.2	2.05	38.57	54	-15.43	-	-	217	194	H
4	* 2.373	27.21	RMS	31.9	-21.2	2.05	39.96	54	-14.04	-	-	217	194	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

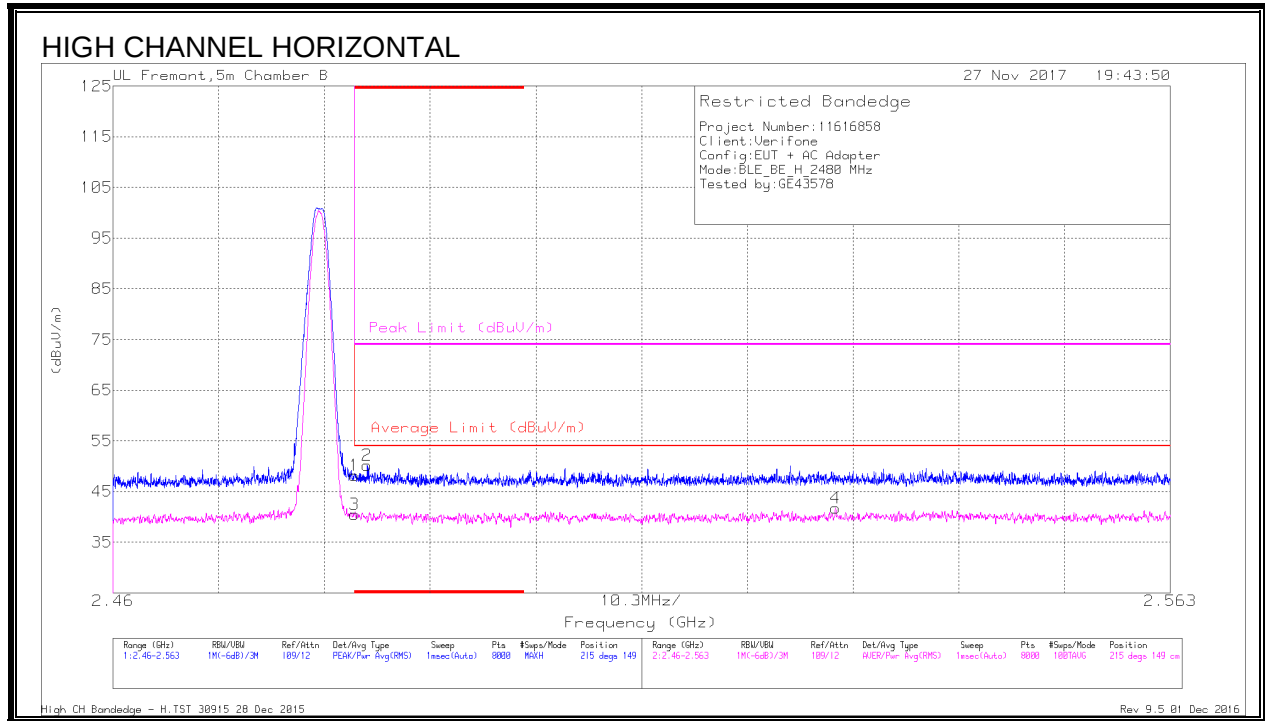
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	34.93	Pk	32	-21.2	0	45.73	-	-	74	-28.27	223	260	V
2	* 2.35	37.96	Pk	31.8	-21	0	48.76	-	-	74	-25.24	223	260	V
3	* 2.39	25.63	RMS	32	-21.2	2.05	38.48	54	-15.52	-	-	223	260	V
4	* 2.377	27.16	RMS	31.9	-21.2	2.05	39.91	54	-14.09	-	-	223	260	V

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

Pk - Peak detector

RMS - RMS detection

BADEDGE (HIGH CHANNEL)



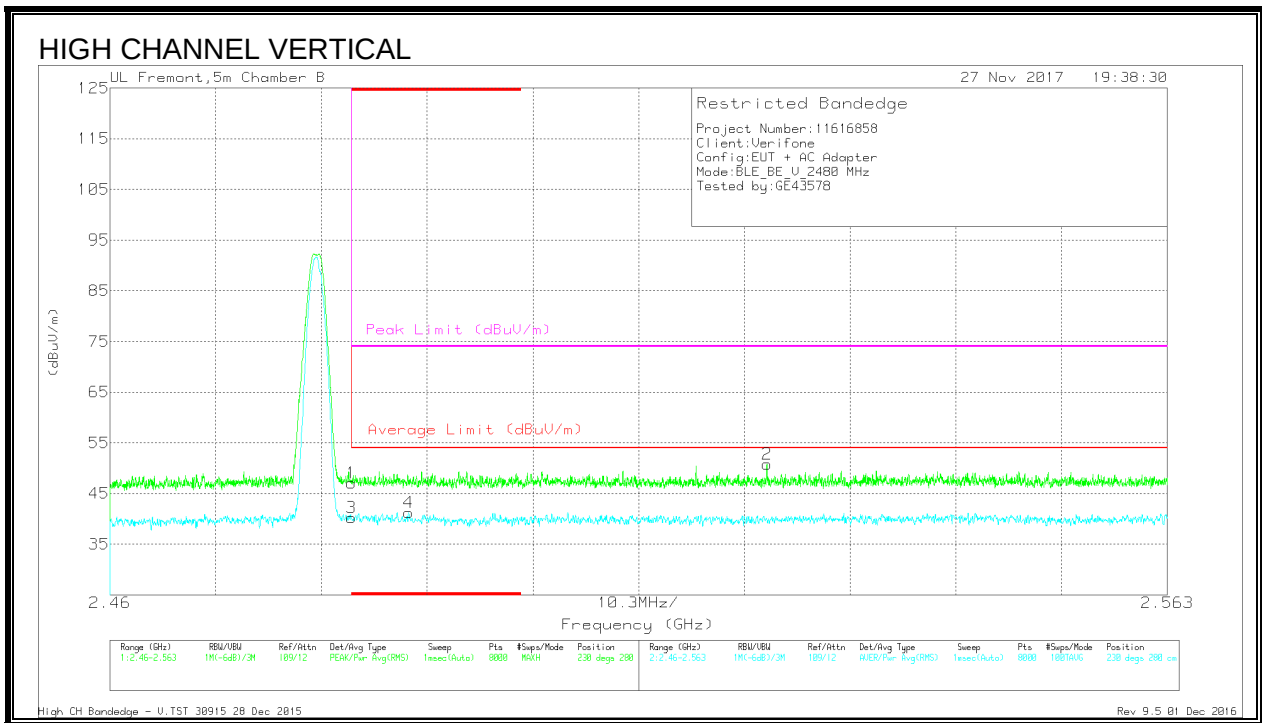
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	36.62	Pk	32.5	-20.9	0	48.22	-	-	74	-25.78	215	149	H
2	* 2.485	38.43	Pk	32.5	-20.8	0	50.13	-	-	74	-23.87	215	149	H
3	* 2.484	26.8	RMS	32.5	-20.9	2.05	40.45	54	-13.55	-	-	215	149	H
4	2.53	28.08	RMS	32.5	-20.9	2.05	41.73	54	-12.27	-	-	215	149	H

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

Pk - Peak detector

RMS - RMS detection



Trace Markers

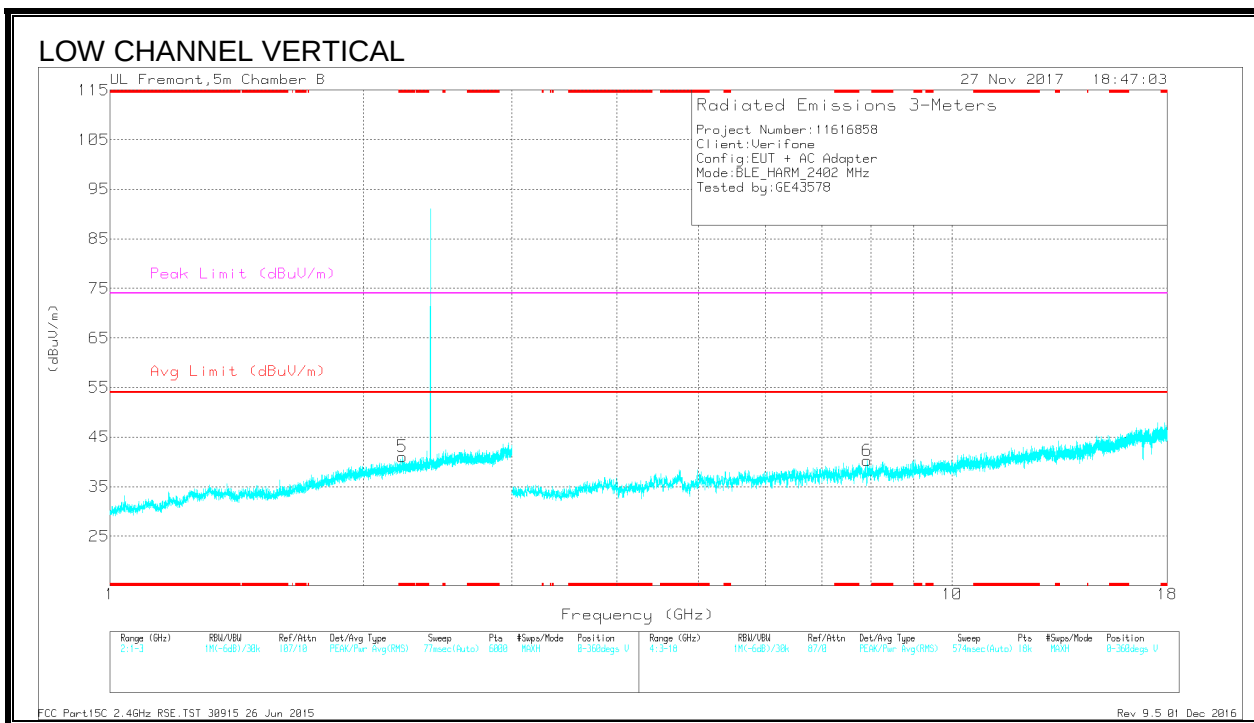
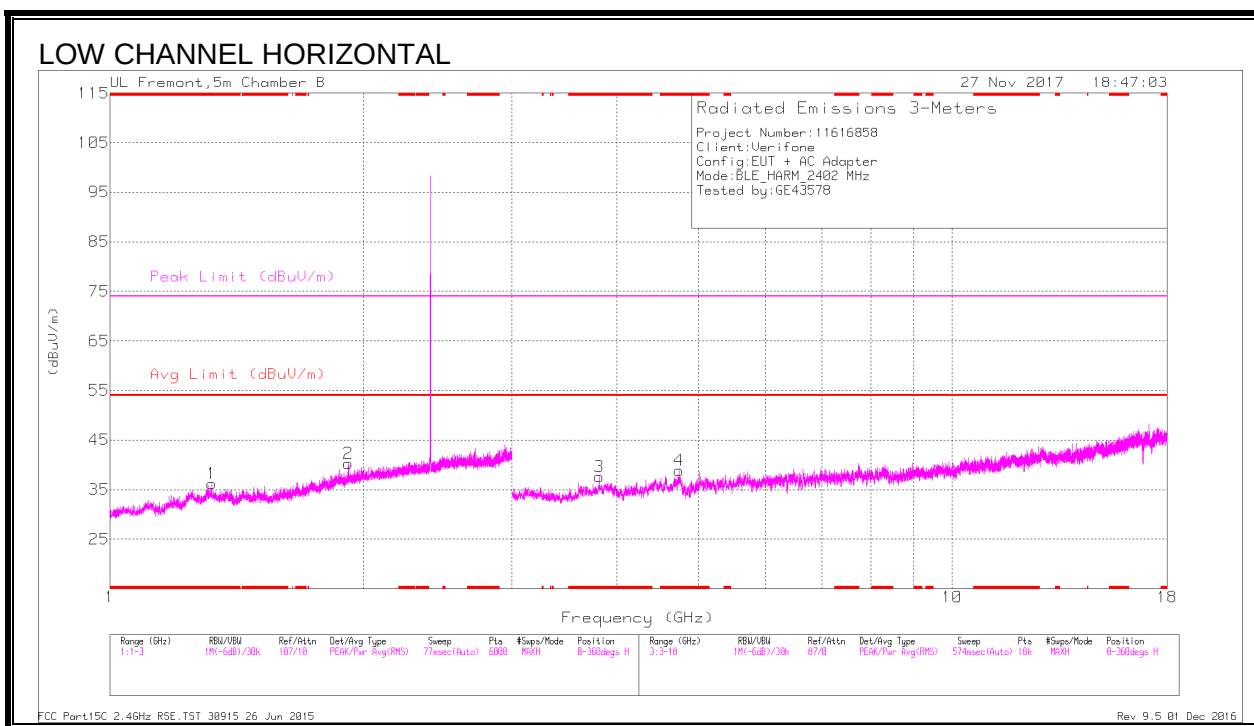
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.484	35.49	Pk	32.5	-20.9	0	47.09	-	-	74	-26.91	230	280	V
3	* 2.484	26.64	RMS	32.5	-20.9	2.05	40.29	54	-13.71	-	-	230	280	V
4	* 2.489	27.73	RMS	32.5	-21	2.05	41.28	54	-12.72	-	-	230	280	V
2	2.524	39.09	Pk	32.6	-20.9	0	50.79	-	-	74	-23.21	230	280	V

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

Pk - Peak detector

RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS 1 TO 18 GHz



Radiated Emissions

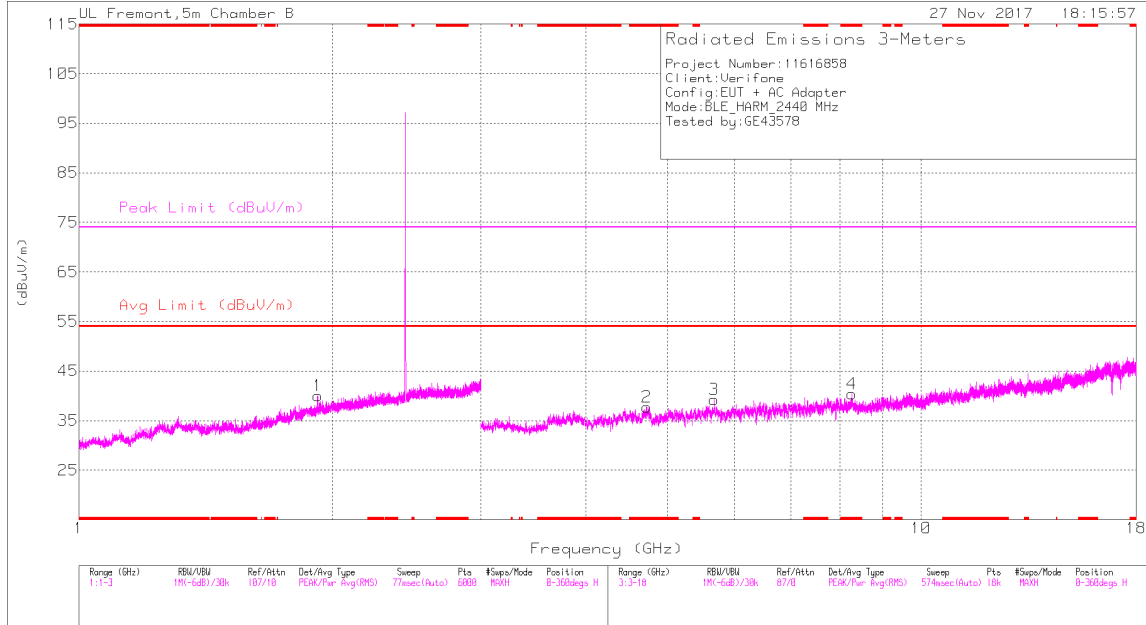
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.32	34.46	PK2	28.9	-21.7	0	41.66	-	-	74	-32.34	55	199	H
	* 1.319	19.15	MAv1	28.9	-21.8	2.05	28.3	54	-25.7	-	-	55	199	H
5	* 2.225	35.2	PK2	31.8	-21	0	46	-	-	74	-28	223	199	V
	* 2.226	19.42	MAv1	31.8	-21.1	2.05	32.17	54	-21.83	-	-	223	199	V
3	* 3.808	39.9	PK2	33.5	-30.3	0	43.1	-	-	74	-30.9	241	104	H
	* 3.808	27.92	MAv1	33.5	-30.3	2.05	33.17	54	-20.83	-	-	241	104	H
4	* 4.74	39.43	PK2	34.2	-28.3	0	45.33	-	-	74	-28.67	277	104	H
	* 4.739	27.43	MAv1	34.2	-28.3	2.05	35.38	54	-18.62	-	-	277	104	H
2	1.921	35.39	PK2	31	-21	0	45.39	-	-	-	-	195	102	H
6	7.924	35.74	PK2	36	-25.5	0	46.24	-	-	-	-	301	198	V

* - indicates frequency in CFR15.205/RSS-GEN 8.10 -Restricted Band

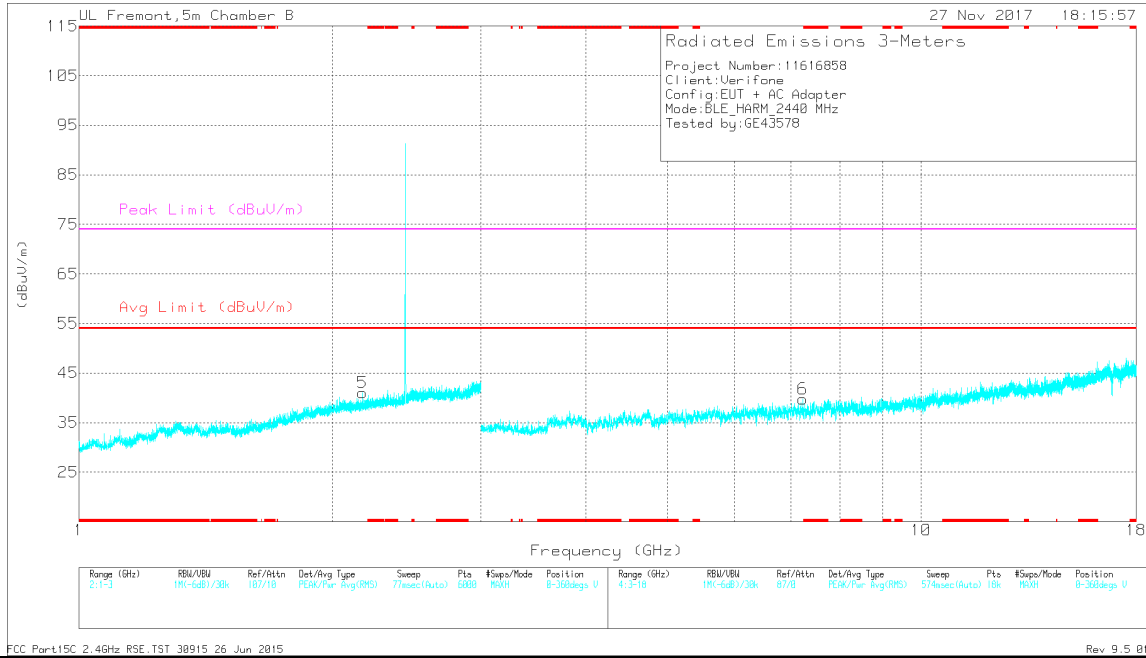
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL HORIZONTAL



MID CHANNEL VERTICAL



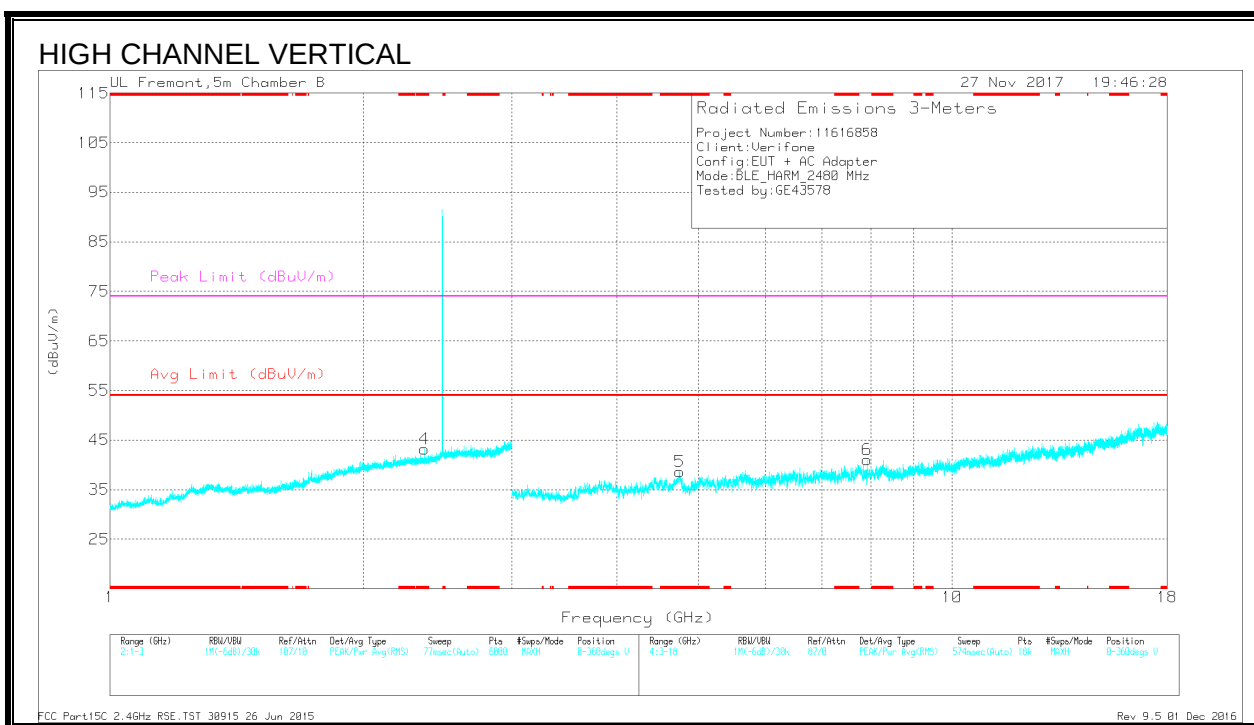
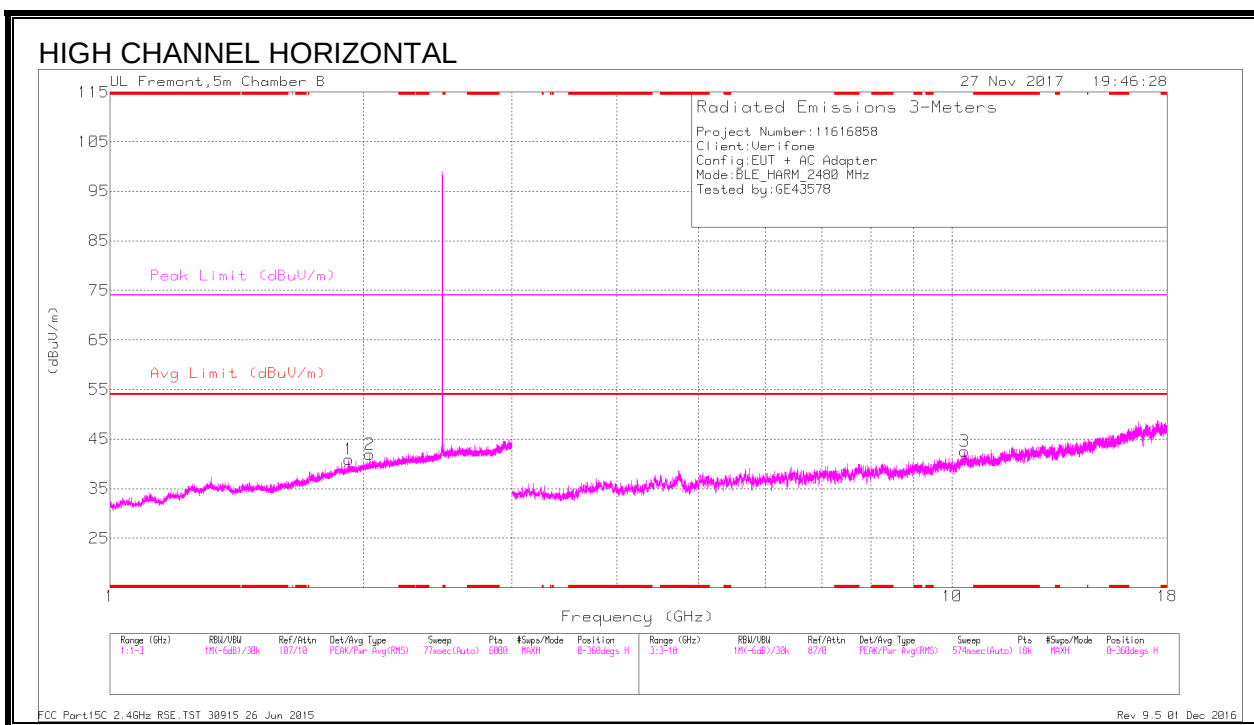
Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 4.723	38.64	PK2	34.2	-28.7	0	44.14	-	-	74	-29.86	255	100	H
	* 4.726	27	MAv1	34.2	-28.6	2.05	34.65	54	-19.35	-	-	255	100	H
4	* 8.268	36.07	PK2	36.1	-25.4	0	46.77	-	-	74	-27.23	199	100	H
	* 8.267	24.1	MAv1	36.1	-25.4	2.05	36.85	54	-17.15	-	-	199	100	H
1	1.92	37.16	PK2	31	-20.9	0	47.26	-	-	-	-	290	100	H
5	2.174	35.71	PK2	31.5	-21	0	46.21	-	-	-	-	312	100	V
3	5.679	38.2	PK2	35.1	-27.8	0	45.5	-	-	-	-	174	100	H
6	7.237	37.34	PK2	35.8	-27.2	0	45.94	-	-	-	-	75	100	V

* - indicates frequency in CFR15.205/RSS-GEN 8.10 -Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average



Radiated Emissions

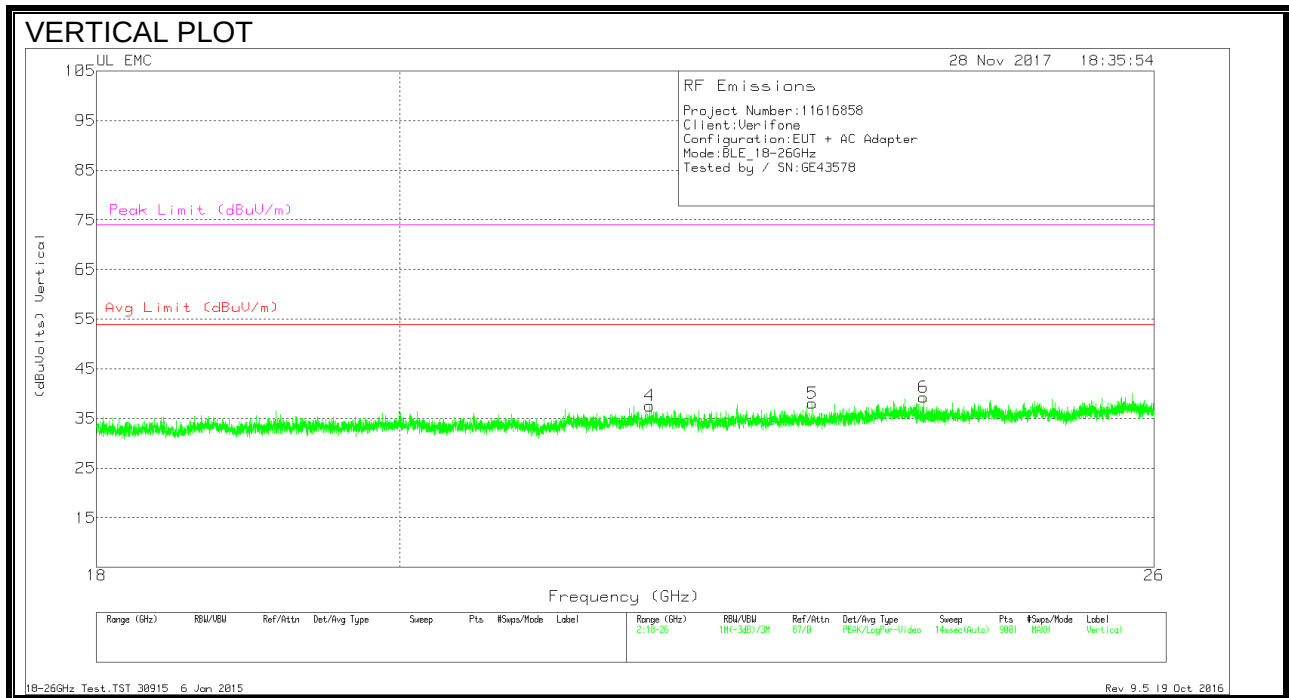
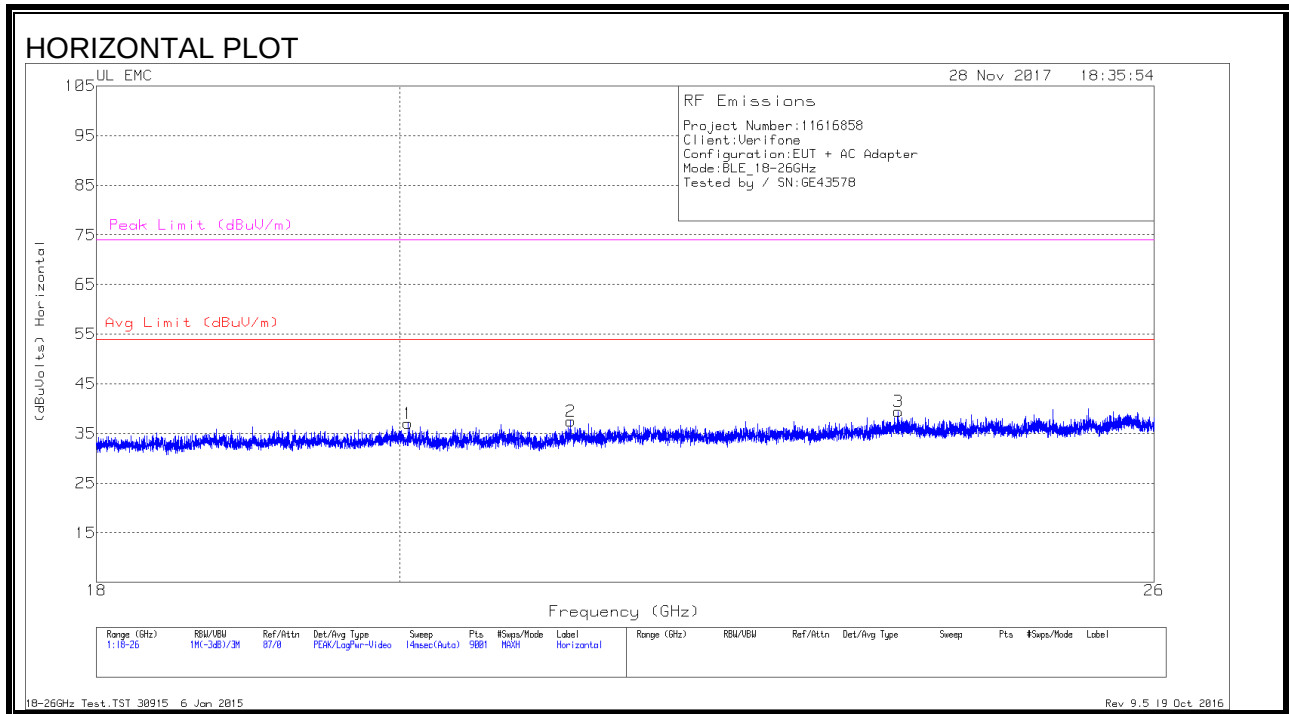
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T863 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 2.362	36.14	PK2	31.9	-21.1	0	46.94	-	-	74	-27.06	243	101	V
	* 2.361	25.08	MAv1	31.9	-21.1	2.05	37.93	54	-16.07	-	-	243	101	V
5	* 4.744	39.75	PK2	34.2	-28.4	0	45.55	-	-	74	-28.45	122	104	V
	* 4.743	28.2	MAv1	34.2	-28.4	2.05	36.05	54	-17.95	-	-	122	104	V
1	1.92	37.03	PK2	31	-20.9	0	47.13	-	-	-	-	306	101	H
2	2.035	35.56	PK2	31.4	-21.2	0	45.76	-	-	-	-	271	101	H
6	7.929	35.8	PK2	36	-25.3	0	46.5	-	-	-	-	169	198	V
3	10.339	32.58	PK2	37.5	-22.6	0	47.48	-	-	-	-	212	198	H

* - indicates frequency in CFR15.205/RSS-GEN 8.10 -Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

7.3.3. SPURIOUS EMISSIONS 18 TO 26 GHz (WORST-CASE CONFIGURATION)



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	T89 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	20.059	38.65	Pk	32.9	-25	-9.5	37.05	54	-16.95	74	-36.95
2	21.225	38.88	Pk	33.1	-25	-9.5	37.48	54	-16.52	74	-36.52
3	23.787	39.41	Pk	33.7	-24.2	-9.5	39.41	54	-14.59	74	-34.59
4	21.816	38.24	Pk	33.3	-24.5	-9.5	37.54	54	-16.46	74	-36.46
5	23.084	39.04	Pk	33.6	-25.1	-9.5	38.04	54	-15.96	74	-35.96
6	23.995	39.96	Pk	33.2	-24.4	-9.5	39.26	54	-14.74	74	-34.74

Pk - Peak detector