FCC Radio Test Report

FCC ID: RWO-RZ030597

This report concerns: Original Grant

Project No.	:	2608C071
Equipment	:	Gaming Keyboard
Brand Name	:	RAZER,
Model Name	:	RZ03-0597, RZ03-0597XXXX-XXXX (X can be 0-9 or A-Z)
Applicant	:	Razer Inc.
Address	:	9 Pasteur, Irvine, CA 92618, USA
Manufacturer	:	RAZER (ASIA-PACIFIC) PTE. LTD.
Address	:	Razer SEA HQ, 1 One-north Crescent, #02-01, Singapore 1385389
Factory	:	RAZER TECHNOLOGY AND DEVELOPMENT (SHENZHEN) CO., LTD
Address	:	East Wing, 3rd Floor, Block 2, Phase 1 of Vision ShenzhenBusiness Park Keji South Road, Hi-Tech IndustrialPark, Shenzhen 518057, China
Date of Receipt	:	Aug. 06, 2026
Date of Test	:	Aug. 10, 2026 ~ Sep. 15, 2026
Issued Date	:	Sep. 24, 2026
Test Sample	:	Sample No.: DG920260806128 and DG920260806130 for radiated and ac power line conducted emissions, DG920260806129 for others.
Standard(s)	:	FCC CFR Title 47, Part 15, Subpart C

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc. (Dongguan)

Prepared by : Jaden Kong

Approved by : Treey Chen

No.3, Jinshagang 1st Road, Dalang, Dongguan, Guangdong People's Republic of China.
Tel: +86-769-8318-3000 Web: www.newbtl.com Service mail: btl_qa@newbtl.com

Declaration

BTL represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

BTL's reports apply only to the specific samples tested under conditions. It is manufacturer's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. BTL assumes no responsibility for the data provided by the customer, any statements, inferences or generalizations drawn by the customer or others from the reports issued by BTL.

The report must not be used by the client to claim product certification, approval, or endorsement by A2LA or any agency of the U.S. Government.

This report is the confidential property of the client. As a mutual protection to the clients, the public and ourselves, the test report shall not be reproduced, except in full, without our written approval.

BTL's laboratory quality assurance procedures are in compliance with the ISO/IEC 17025: 2017 requirements, and accredited by the conformity assessment authorities listed in this test report.

BTL is not responsible for the sampling stage, so the results only apply to the sample as received.

The information, data and test plan are provided by manufacturer which may affect the validity of results, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements of applied standards and in all the possible configurations as representative of its intended use.

Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.
Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.

Table of Contents Page

REVISION HISTORY 6
1 . APPLICABLE STANDARDS 7
2 . SUMMARY OF TEST RESULTS 7
2.1 TEST FACILITY 8
2.2 MEASUREMENT UNCERTAINTY 8
2.3 TEST ENVIRONMENT CONDITIONS 9
3 . GENERAL INFORMATION 10
3.1 GENERAL DESCRIPTION OF EUT 10
3.2 DESCRIPTION OF TEST MODES 12
3.3 PARAMETERS OF TEST SOFTWARE 13
3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED 14
3.5 SUPPORT UNITS 15
3.6 CUSTOMER INFORMATION DESCRIPTION 15
4 . AC POWER LINE CONDUCTED EMISSIONS 16
4.1 LIMIT 16
4.2 TEST PROCEDURE 16
4.3 DEVIATION FROM TEST STANDARD 16
4.4 TEST SETUP 17
4.5 EUT OPERATING CONDITIONS 17
4.6 TEST RESULTS 17
5 . RADIATED EMISSIONS 18
5.1 LIMIT 18
5.2 TEST PROCEDURE 19
5.3 DEVIATION FROM TEST STANDARD 20
5.4 TEST SETUP 20
5.5 EUT OPERATING CONDITIONS 22
5.6 TEST RESULT - 9 KHZ TO 30 MHZ 22
5.7 TEST RESULT - 30 MHZ TO 1000 MHZ 22
5.8 TEST RESULT - ABOVE 1000 MHZ 22
6 . BANDWIDTH 23
6.1 LIMIT 23

Table of Contents Page

6.2 TEST PROCEDURE 23
6.3 DEVIATION FROM STANDARD 23
6.4 TEST SETUP 23
6.5 EUT OPERATION CONDITIONS 23
6.6 TEST RESULTS 23
7 . MAXIMUM OUTPUT POWER 24
7.1 LIMIT 24
7.2 TEST PROCEDURE 24
7.3 DEVIATION FROM STANDARD 24
7.4 TEST SETUP 24
7.5 EUT OPERATION CONDITIONS 24
7.6 TEST RESULTS 24
8 . CONDUCTED SPURIOUS EMISSION 25
8.1 LIMIT 25
8.2 TEST PROCEDURE 25
8.3 DEVIATION FROM STANDARD 26
8.4 TEST SETUP 26
8.5 EUT OPERATION CONDITIONS 26
8.6 TEST RESULTS 26
9 . POWER SPECTRAL DENSITY 27
9.1 LIMIT 27
9.2 TEST PROCEDURE 27
9.3 DEVIATION FROM STANDARD 27
9.4 TEST SETUP 27
9.5 EUT OPERATION CONDITIONS 27
9.6 TEST RESULTS 27
10 . MEASUREMENT INSTRUMENTS LIST 28
APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS 30
APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ 33
APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ 38
APPENDIX D - RADIATED EMISSION - ABOVE 1000 MHZ 41
APPENDIX E - BANDWIDTH 56

Table of Contents

Page

APPENDIX F - MAXIMUM OUTPUT POWER 59
APPENDIX G - CONDUCTED SPURIOUS EMISSION 61
APPENDIX H - POWER SPECTRAL DENSITY 64

REVISION HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-1-2608C071	R00	Original Report.	Sep. 24, 2026	Valid

1. APPLICABLE STANDARDS

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standard:
ANSI C63.10-2020
The following reference test guidance is not within the scope of accreditation of A2LA:
KDB 558074 D01 15.247 Meas Guidance v05r02

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

FCC CFR Title 47, Part 15, Subpart C				
Standard(s) Section	**Test Item**	**Test Result**	**Judgment**	**Remark**
15.207	AC Power Line Conducted Emissions	APPENDIX A	PASS	------
15.247(d) 15.205(a) 15.209(a)	Radiated Emissions	APPENDIX B APPENDIX C APPENDIX D	PASS	------
15.247(a)(2)	Bandwidth	APPENDIX E	PASS	------
15.247(b)(3)	Maximum Output Power	APPENDIX F	PASS	------
15.247(d)	Conducted Spurious Emission	APPENDIX G	PASS	------
15.247(e)	Power Spectral Density	APPENDIX H	PASS	------
15.203	Antenna Requirement	------	PASS	**Note(2)**

Note:
(1) “N/A” denotes test is not applicable to this device.
(2) The device that uses a permanently attached antenna were considered sufficient to comply with the provisions of 15.203.

2.1 TEST FACILITY

The test facilities used to collect the test data in this report:
For radiated emissions-1GHz to 18GHz items: Room 102 & 702, Building A3, No.9, Jinshagang 1st Road, Dalang, Dongguan, Guangdong People's Republic of China.
For other items: No.3, Jinshagang 1st Road, Dalang, Dongguan, Guangdong People's Republic of China.
BTL's Registration Number for FCC: 747969
BTL's Designation Number for FCC: CN1377

2.2 MEASUREMENT UNCERTAINTY

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95.45% confidence level (based on a coverage factor (k=2))
The BTL measurement uncertainty as below table:

A. AC power line conducted emissions Measurement:

Test Site	Method	Measurement Frequency Range	*U*,(dB)
DGDLC02	CISPR	150kHz ~ 30MHz	2.66

B. Radiated emissions Measurement:

Test Site	Method	Measurement Frequency Range	*U*,(dB)
DGDLCB03	CISPR	9kHz ~ 30MHz	2.26

Test Site	Method	Measurement Frequency Range	Ant. H / V	*U*,(dB)
DGDLCB03 (3m)	CISPR	30MHz ~ 200MHz	V	4.40
		30MHz ~ 200MHz	H	3.62
		200MHz ~ 1,000MHz	V	4.58
		200MHz ~ 1,000MHz	H	3.98

Test Site	Method	Measurement Frequency Range	*U*,(dB)
DGGDCB01 (3m)	CISPR	1GHz ~ 18GHz	3.98

Test Site	Method	Measurement Frequency Range	*U*,(dB)
DGDLCB03 (1m)	CISPR	18 ~ 26.5 GHz	4.30

C. Other Measurement:

Test Item	Uncertainty
Bandwidth	0.75 %
Maximum Output Power	1.3 dB
Conducted Spurious Emission	2.1 dB
Conducted Bandedge Emission	1.7 dB
Power Spectral Density	1.8 dB
Temperature	0.7 °C
Humidity	1.7 %

Note: Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.

2.3 TEST ENVIRONMENT CONDITIONS

Test Item	Temperature	Humidity	Test Voltage	Tested By
AC Power Line Conducted Emissions	24°C	54%	AC 120V/60Hz	Hayden Chen
Radiated Emissions -9 kHz to 30 MHz	24°C	48%	DC 5V	Hayden Chen
Radiated Emissions -30 MHz to 1000 MHz	24°C	52%	DC 5V	Ilya Zhang
Radiated Emissions -Above 1000 MHz	24°C	42%	DC 5V	Jensen Zhou
	22°C	50%	DC 5V	Torin Long
Bandwidth	27°C	48%	DC 5V	Jensen Zhou
Maximum Output Power	24°C	53%	DC 5V	Jay Wei
Conducted Spurious Emission	27°C	48%	DC 5V	Jensen Zhou
Power Spectral Density	27°C	48%	DC 5V	Jensen Zhou

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	Gaming Keyboard
Brand Name	RAZER,
Test Model	RZ03-0597
Model Name	RZ03-0597, RZ03-0597XXXX-XXXX (X can be 0-9 or A-Z)
Model Difference(s)	Only differ in model name.
Hardware Version	V02
Software Version	v0.00.00.05
Power Source	1# Supplied from USB port. 2# Supplied from battery. Model: FT5936E2P
Power Rating	1# 5V⎓2.0A 2# 3.7Vdc,4200mAh, 15.54Wh
Operation Frequency	2402 MHz ~ 2480 MHz
Modulation Type	GFSK
Bit Rate of Transmitter	1Mbps, 2Mbps
Max. Output Power	1Mbps: 5.00 dBm (0.0032 W)

Note:

1. The above EUT information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or user's manual.

2. The system's model name is RZ03-0597XXXX-XXXX (X: Can be 0-9, A-Z), and the system contains a Gaming Keyboard (Model name:RZ03-0597) and Wireless Dongle (Model name: DGRFG9).

3. Channel List:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
00	2402	20	2442
01	2404	21	2444
02	2406	22	2446
03	2408	23	2448
04	2410	24	2450
05	2412	25	2452
06	2414	26	2454
07	2416	27	2456
08	2418	28	2458
09	2420	29	2460
10	2422	30	2462
11	2424	31	2464
12	2426	32	2466
13	2428	33	2468
14	2430	34	2470
15	2432	35	2472
16	2434	36	2474
17	2436	37	2476
18	2438	38	2478
19	2440	39	2480

4. Table for Filed Antenna:

Ant.	Brand	P/N	Antenna Type	Connector	Gain (dBi)
1	INPAQ INPAQ TECHNOLOGY CO., LTD	WA-P-LA-03-339	PCB	N/A	4.21

3.2 DESCRIPTION OF TEST MODES

The test system was pre-tested based on the consideration of all possible combinations of EUT operation mode.

Pretest Mode	Description
Mode 1	TX Mode_1Mbps Channel 00/19/39
Mode 2	TX Mode_2Mbps Channel 00/19/39
Mode 3	TX Mode_1Mbps Channel 00

Following mode(s) was (were) found to be the worst case(s) and selected for the final test.

AC power line conducted emissions test	
Final Test Mode	Description
Mode 3	TX Mode_1Mbps Channel 00

Radiated emissions test - Below 1GHz & Above 18 GHz	
Final Test Mode	Description
Mode 3	TX Mode_1Mbps Channel 00

Radiated emissions test - 1 GHz - 18 GHz	
Final Test Mode	Description
Mode 1	TX Mode_1Mbps Channel 00/19/39
Mode 2	TX Mode_2Mbps Channel 00/19/39

Conducted test	
Final Test Mode	Description
Mode 1	TX Mode_1Mbps Channel 00/19/39
Mode 2	TX Mode_2Mbps Channel 00/19/39

Note:

(1) For radiated emission above 1 GHz test, the spurious points of 1GHz~26.5GHz have been pre-tested and in this report only recorded the worst case. The remaining spurious points are all at least 20 dB below the limit.
(2) For AC power line conducted emissions and radiated emissions below 1 GHz test, the 1Mbps Channel 00 is found to be the worst case and recorded.
(3) For radiated emission Harmonic 18-26.5GHz test, only tested the worst case and recorded.
(4) For radiated emission 1GHz to 18GHz test, both Vertical and Horizontal are evaluated, only the worst polarization is recorded.

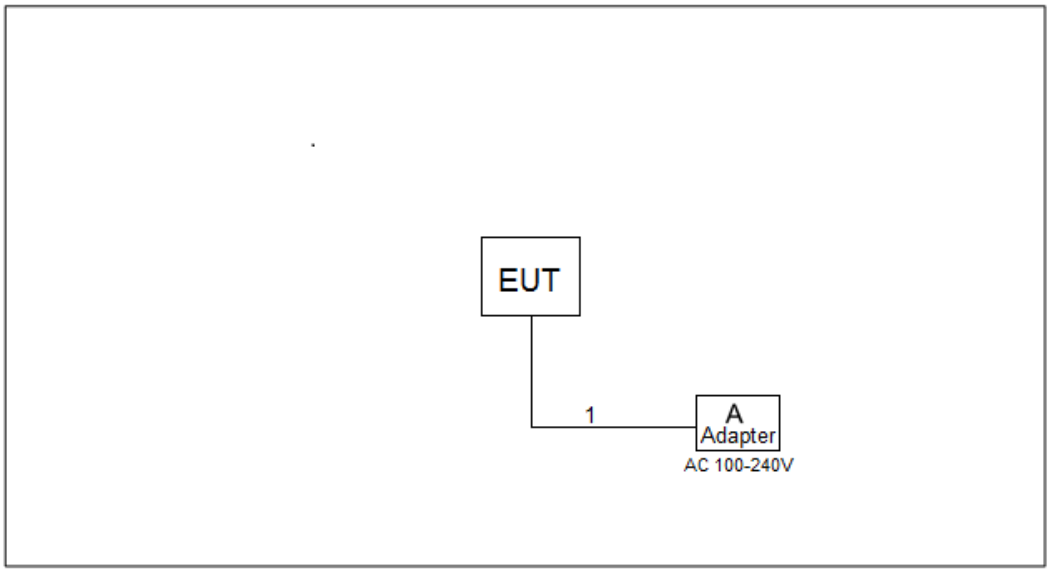
3.3 PARAMETERS OF TEST SOFTWARE

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level.

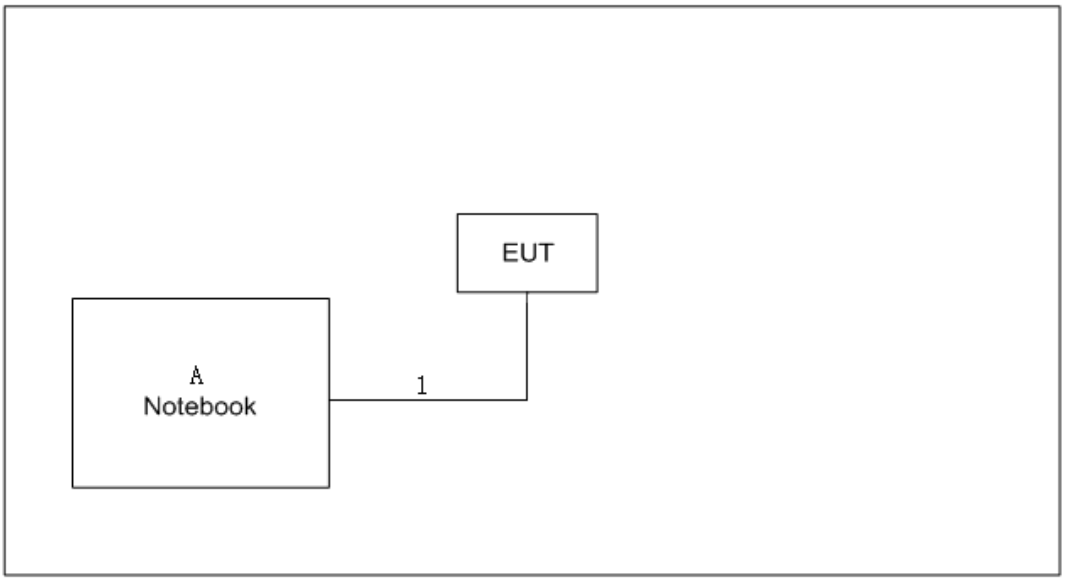
Test Software Version	button		
Frequency (MHz)	2402	2440	2480
1Mbps	Default	Default	Default
2Mbps	Default	Default	Default

3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

AC Power Line Conducted Emissions item



Other items



3.5 SUPPORT UNITS

AC Power Line Conducted Emissions item

Item	Equipment	Brand	Model No.	Series No.
A	Adapter	HUAWEI	HW-200325CP3	N/A

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	USB Cable	NO	NO	1.2m

Other items

Item	Equipment	Brand	Model No.	Series No.
A	Notebook	HUAWEI	MDG-16	N/A

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	USB Cable	NO	NO	1.8m

3.6 CUSTOMER INFORMATION DESCRIPTION

1) The antenna gain is provided by the manufacturer.
2) Except for AC power line conducted emissions and radiated emissions, the results of all test items include cable losses. Part of the cable losses (0.5dB) are provided by the manufacturer, while the other parts of the cable losses are provided by the testing laboratory.

4. AC POWER LINE CONDUCTED EMISSIONS

4.1 LIMIT

Frequency of Emission (MHz)	Limit (dBμV)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56*	56 to 46*
0.5 - 5.0	56	46
5.0 - 30.0	60	50

Note:

(1) The tighter limit applies at the band edges.
(2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.
(3) The test result calculated as following:
Measurement Value = Reading Level + Correct Factor
Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor (if use)
Margin Level = Measurement Value - Limit Value

4.2 TEST PROCEDURE

a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipment powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
d. LISN at least 80 cm from nearest part of EUT chassis.
e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

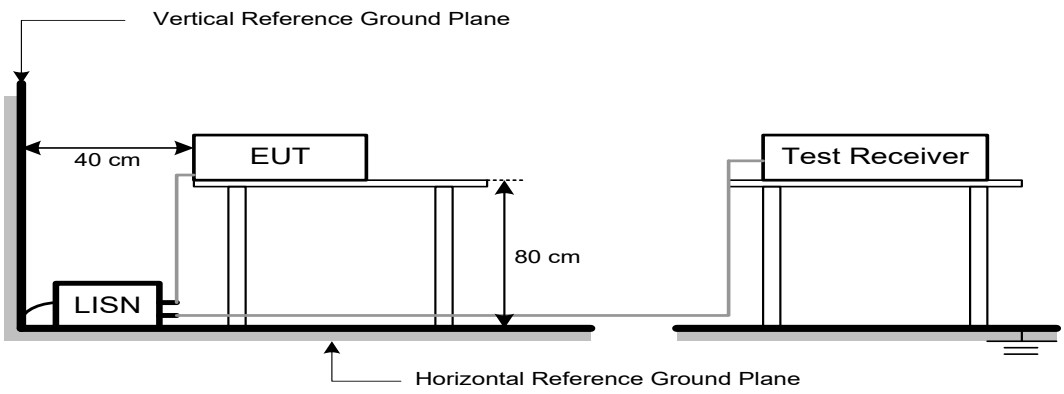
The following table is the setting of the receiver:

Receiver Parameters	Setting
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

4.3 DEVIATION FROM TEST STANDARD

No deviation.

4.4 TEST SETUP



4.5 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

4.6 TEST RESULTS

Please refer to the APPENDIX A.

Remark:

(1) All readings are QP Mode value unless otherwise stated AVG in column of 『Note』. If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform.In this case, a " * " marked in AVG Mode column of Interference Voltage Measured.

(2) Measuring frequency range from 150 kHz to 30 MHz.

5. RADIATED EMISSIONS

5.1 LIMIT

In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

LIMITS OF RADIATED EMISSION MEASUREMENT (9 kHz-1000 MHz)

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000 MHz)

Frequency (MHz)	Band edge/ Harmonic at 3m (dBµV/m)		Harmonic at 1m (dBµV/m)	
	Peak	Average	Peak	Average
Above 1000	74	54	83.5 (Note 5)	63.5 (Note 5)

Note:
(1) The limit for radiated test was performed according to FCC CFR Title 47, Part 15, Subpart C.
(2) The tighter limit applies at the band edges.
(3) Emission level (dBuV/m)=20log Emission level (uV/m).
(4) The test result calculated as following:
Measurement Value = Reading Level + Correct Factor
Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use)
Margin Level = Measurement Value - Limit Value

(5)

$$FS_{\text{limit}} = FS_{\max} - 20\log\left(\frac{d_{\text{limit}}}{d_{\text{measure}}}\right)$$

20log ($d_{limit}/d_{measure}$)=20log (3/1)=9.5 dB.
FS_{limit}: Harmonic at 3m Peak and Average limit.
FS_{max}: Harmonic at 1m Peak and Average Maximum value.
d_{limit}: Harmonic at 3m test distance.
$d_{measure}$: Harmonic Actual test distance.

5.2 TEST PROCEDURE

a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1 GHz)
b. The measuring distance of 3 m or 1m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
c. The height of the equipment or of the substitution antenna shall be 0.8m or 1.5m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
e. The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz.
f. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
g. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn‘t perform. (below 1 GHz)
h. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn‘t perform. (above 1 GHz)
i. For the actual test configuration, please refer to the related Item –EUT Test Photos.

The following table is the setting of the receiver:

Spectrum Parameters	Setting
Start ~ Stop Frequency	9 kHz~150 kHz for RBW 200 Hz
Start ~ Stop Frequency	0.15 MHz~30 MHz for RBW 9 kHz
Start ~ Stop Frequency	30 MHz~1000 MHz for RBW 100 kHz

Spectrum Parameters	Setting
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RBW / VBW (Emission in restricted band)	1 MHz / 3 MHz for PK value 1 MHz / 1/T Hz for AVG value

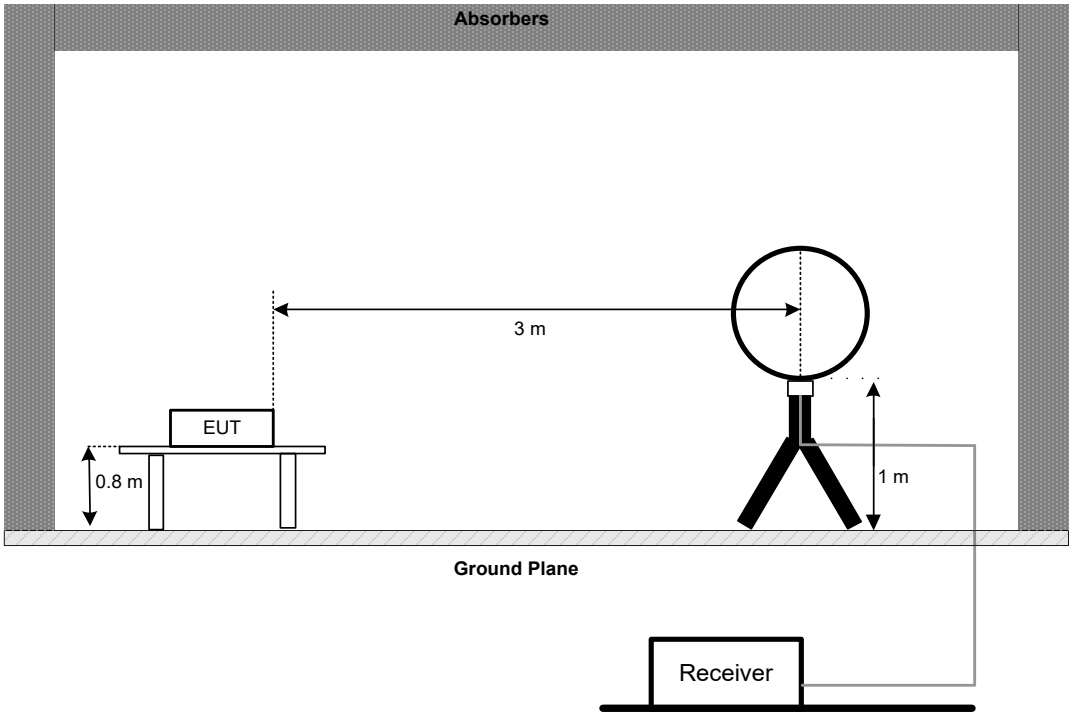
Spectrum Parameters	Setting
Start ~ Stop Frequency	9 kHz~90 kHz for PK/AVG detector
Start ~ Stop Frequency	90 kHz~110 kHz for QP detector
Start ~ Stop Frequency	110 kHz~490 kHz for PK/AVG detector
Start ~ Stop Frequency	490 kHz~30 MHz for QP detector
Start ~ Stop Frequency	30 MHz~1000 MHz for QP detector
Start ~ Stop Frequency	1 GHz~26.5 GHz for PK/AVG detector

5.3 DEVIATION FROM TEST STANDARD

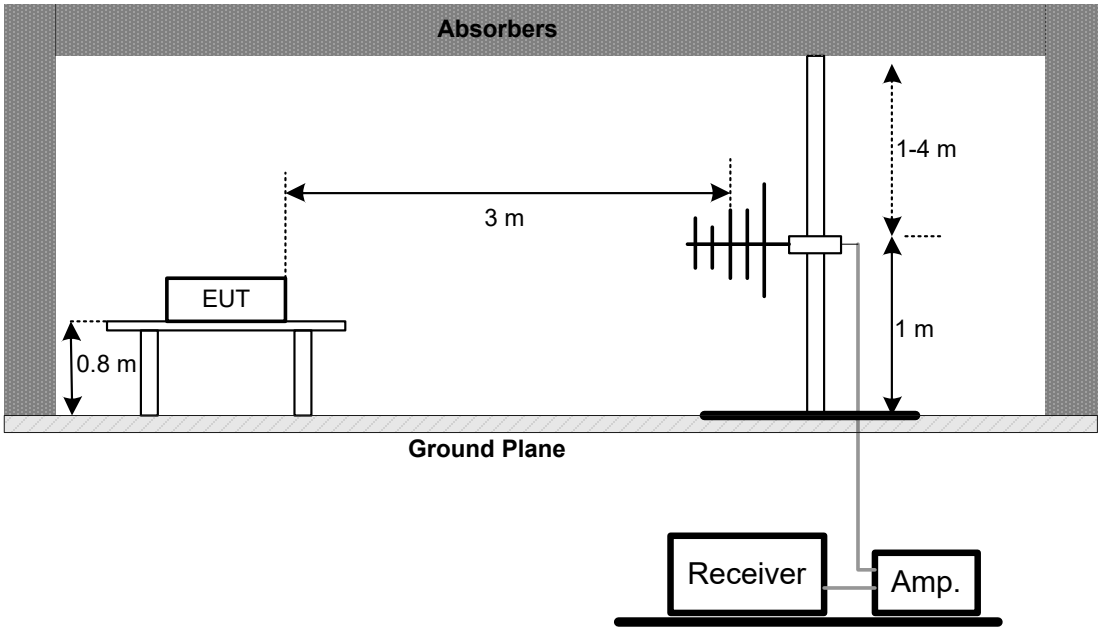
No deviation.

5.4 TEST SETUP

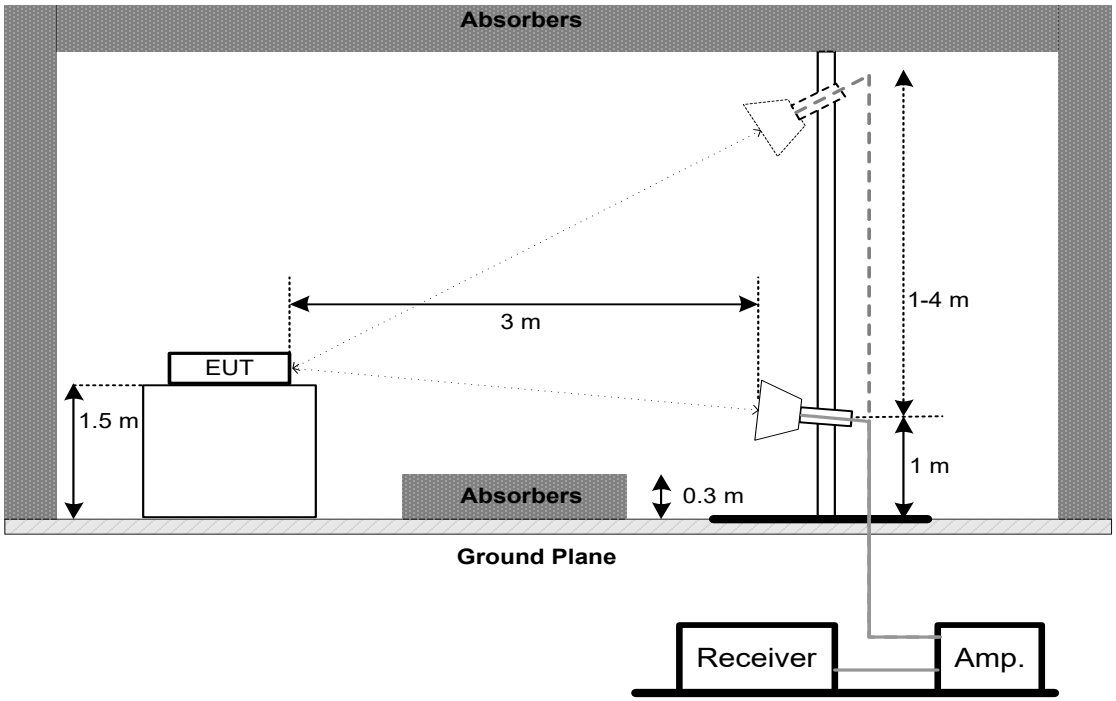
9 kHz to 30 MHz



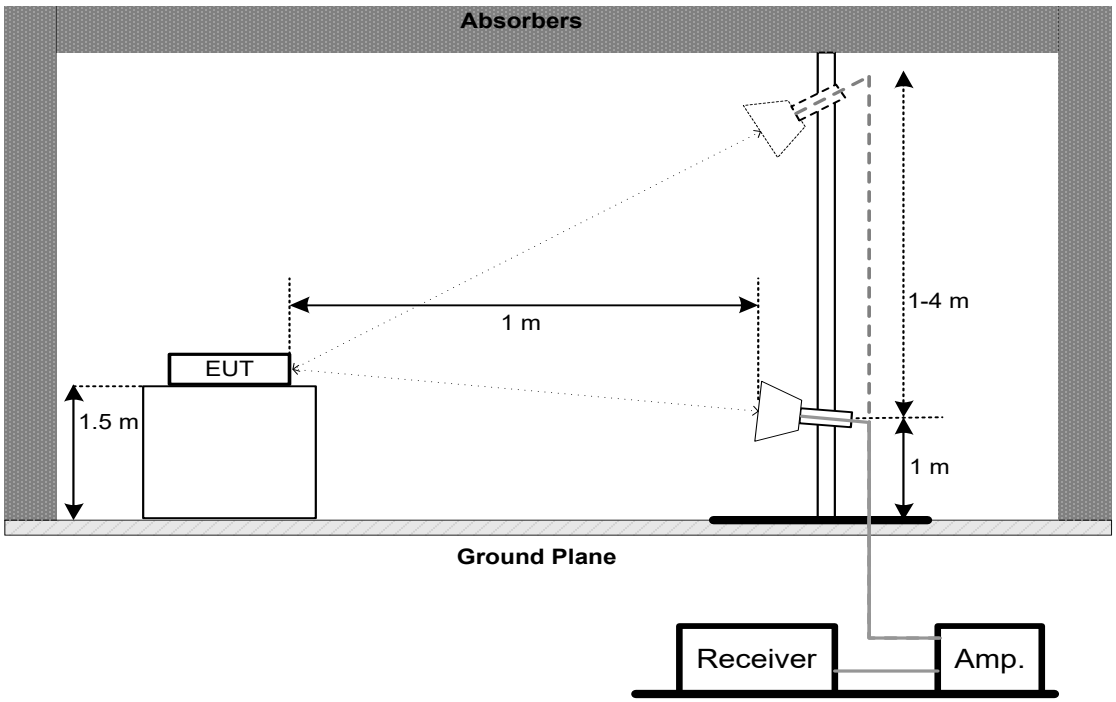
30 MHz to 1 GHz



Above 1 GHz
Band edge & Harmonic(1 GHz to 18 GHz)



Harmonic(18 GHz to 26.5 GHz)



5.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.6 TEST RESULT - 9 kHz TO 30 MHz

Please refer to the APPENDIX B.

Remark:

(1) Distance extrapolation factor = 40 log (specific distance / test distance) (dB).
(2) Limit line = specific limits (dBuV) + distance extrapolation factor.

5.7 TEST RESULT - 30 MHz TO 1000 MHz

Please refer to the APPENDIX C.

5.8 TEST RESULT - ABOVE 1000 MHz

Please refer to the APPENDIX D.

Remark:

(1) No limit: This is fundamental signal, the judgment is not applicable.
For fundamental signal judgment was referred to Peak output test.

6. BANDWIDTH

6.1 LIMIT

Section	Test Item	Limit
FCC 15.247(a)(2)	6 dB Bandwidth	>= 500 kHz
	99% Emission Bandwidth	-

6.2 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
b. The following table is the setting of the spectrum analyzer:

For 6 dB Bandwidth:

Spectrum Parameters	Setting
Span	> Measurement Bandwidth
RBW	shall be in the range of 1% to 5% of the OBW but not less than 100 kHz
VBW	≥ 3 × RBW
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

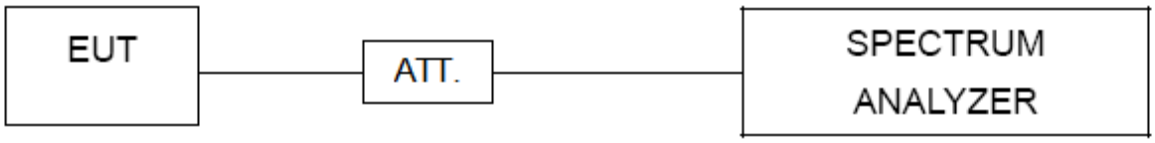
For 99% Emission Bandwidth:

Spectrum Parameters	Setting
Span	Between 1.5 times and 5.0 times the OBW
RBW	30 kHz
VBW	100 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

6.3 DEVIATION FROM STANDARD

No deviation.

6.4 TEST SETUP



6.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

6.6 TEST RESULTS

Please refer to the APPENDIX E.

7. MAXIMUM OUTPUT POWER

7.1 LIMIT

Section	Test Item	Limit
FCC 15.247(b)(3)	Maximum Output Power	1.0000 watt or 30.00 dBm

7.2 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.

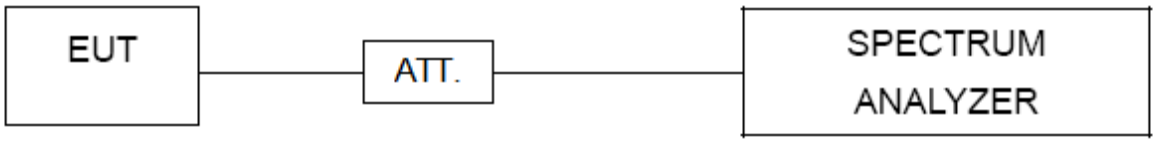
b. The following table is the setting of the spectrum analyzer:

Spectrum Parameters	Setting
Span	≥ 3×RBW
RBW	3 MHz
VBW	10 MHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

7.3 DEVIATION FROM STANDARD

No deviation.

7.4 TEST SETUP



7.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

7.6 TEST RESULTS

Please refer to the APPENDIX F.

8. CONDUCTED SPURIOUS EMISSION

8.1 LIMIT

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak Output Power limits. If the transmitter complies with the Output Power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required.

8.2 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
b. The following table is the setting of the spectrum analyzer:

For Reference Level:

Spectrum Parameters	Setting
Span	≥ 1.5 times the bandwidth.
RBW	100 kHz
VBW	300 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

For Emission Level - Band edge:

Spectrum Parameters	Setting
Start Frequency	2300 MHz
Stop Frequency	2690 MHz
RBW	100 kHz
VBW	300 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

For Emission Level - Harmonic:

Spectrum Parameters	Setting
Start Frequency	30 MHz
Stop Frequency	26.5 GHz
RBW	100 kHz
VBW	300 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

8.3 DEVIATION FROM STANDARD

No deviation.

8.4 TEST SETUP

8.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

8.6 TEST RESULTS

Please refer to the APPENDIX G.

9. POWER SPECTRAL DENSITY

9.1 LIMIT

Section	Test Item	Limit
FCC 15.247(e)	Power Spectral Density	8 dBm (in any 3 kHz)

9.2 TEST PROCEDURE

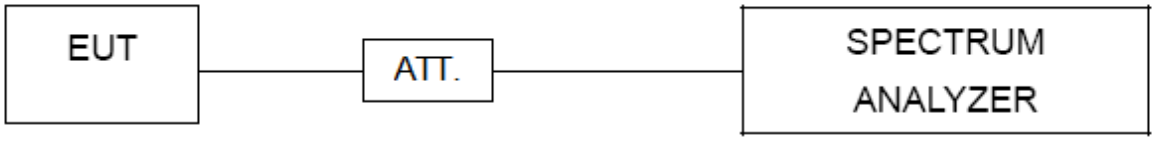
a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
b. The following table is the setting of the spectrum analyzer:

Spectrum Parameters	Setting
Span	1.5 times the DTS bandwidth
RBW	3 kHz
VBW	10 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

9.3 DEVIATION FROM STANDARD

No deviation.

9.4 TEST SETUP



9.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

9.6 TEST RESULTS

Please refer to the APPENDIX H.

10. MEASUREMENT INSTRUMENTS LIST

AC Power Line Conducted Emissions (Test Date: Aug. 19, 2026)					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EMI TEST RECEIVER	R&S	ESCI	100382	Nov. 21, 2026
2	TWO-LINE V-NETWORK	R&S	ENV216	101447	Nov. 21, 2026
3	Measurement Software	Tonscend	TS+(JS32-CE)	N/A	N/A
4	Cable	RW	SFT205-NMNM-9M -001	9M	Jul. 08, 2027
5	643 Shield Room	ETS	6*4*3	N/A	N/A

Radiated Emissions - 9 kHz to 30 MHz (Test Date: Sep. 11, 2026)					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Active Loop Antenna	Schwarzbeck	FMZB 1513-60	00025	Mar. 14, 2027
2	Receiver	Agilent	N9038A	MY52130039	Apr. 25, 2027
3	Cable	RegalWay	LMR400-NMNM-6 m	N/A	Apr. 22, 2027
4	Cable	RegalWay	LMR400-NMRANM -3.5m	N/A	Apr. 22, 2027
5	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
6	966 Chamber room	CM	9*6*6	N/A	May 14, 2027

Radiated Emissions - 30 MHz to 1 GHz (Test Date: Aug. 18, 2026)					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	01462	Dec. 07, 2026
2	Attenuator	EMC INSTRUMENT	EMCI-N-6-06	AT-06009	Dec. 07, 2026
3	Preamplifier	EMC INSTRUMENT	EMC001330	980998	Apr. 25, 2027
4	Cable	RegalWay	LMR400-NMNM-12 .5m	N/A	May 17, 2027
5	Cable	RegalWay	LMR400-NMNM-3 m	N/A	May 17, 2027
6	Cable	RegalWay	LMR400-NMNM-0. 5m	N/A	May 17, 2027
7	Receiver	Agilent	N9038A	MY52130039	Apr. 25, 2027
8	Positioning Controller	MF	MF-7802	N/A	N/A
9	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
10	966 Chamber room	CM	9*6*6	N/A	May 14, 2027

Radiated Emissions - 1 GHz - 18 GHz (Test Date: Sep. 04, 2026)					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Positioning Controller	MF	MF-7802	N/A	N/A
2	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
3	Double Ridged Horn Antenna	RF SPIN	DRH18-E	210509A18ES	Sep. 12, 2026
4	MXA Signal Analyzer	KEYSIGHT	N9020B	MY63380204	May 16, 2027
5	Cable	EMC INSTRUMENT	EMC104-SM-SM-10000	N/A	Aug. 26, 2027
6	Cable	EMC INSTRUMENT	EMC104-SM-SM-3000	N/A	Aug. 26, 2027
7	Cable	RegalWay	RWLP50-4.0A-SMRASM-1M	N/A	Aug. 26, 2027
8	966 Chamber room	Tai He	9*6*6（NSA&VSWR）	N/A	May 17, 2027
9	Preamplifier	EMC INSTRUMENT	EMC118A45SE	981001	May 16, 2027
10	Attenuator	Talent Microwave	TA10A2-S-18	N/A	N/A
11	Filter	COM-MW	ZHPF6-M3000-18000-174	N/A	Oct. 17, 2026

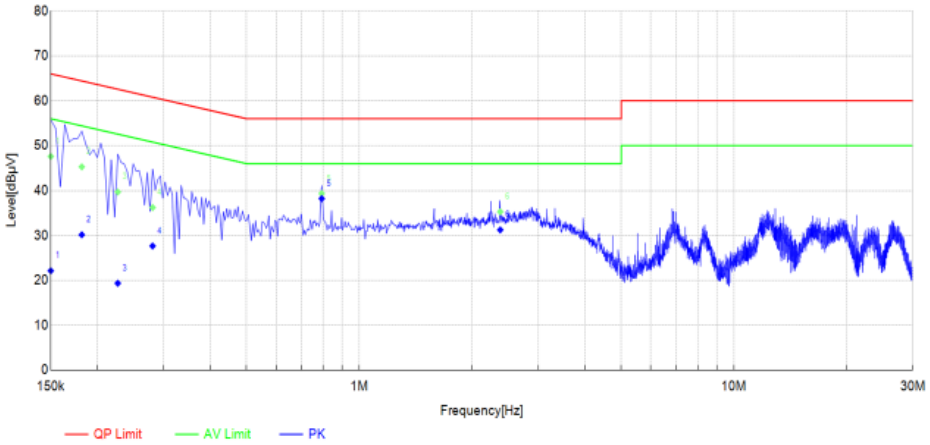
Radiated Emissions - Above 18 GHz (Test Date: Aug. 22, 2026)					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Cable	Tonscend	HF160-KMKM-0.5M	N/A	Oct. 21, 2026
2	Cable	Tonscend	HF160-KMKM-5M	N/A	Oct. 21, 2026
3	Pre-Amplifier	EMC INSTRUMENT	EMC184045SE	980409	Nov. 21, 2026
4	DRG Horn Antenna	ETS	3116C	218942	Feb. 03, 2027
5	Positioning Controller	MF	MF-7802	N/A	N/A
6	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
7	EXA Spectrum Analyzer	Keysight	N9010A	MY55150209	Oct. 17, 2026
8	966 Chamber room	CM	9*6*6	N/A	May 14, 2027

Bandwidth & Maximum Output Power & Power Spectral Density & Conducted Spurious Emission (Test Date: Aug. 17, 2026- Aug. 25, 2026)					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Apr. 25, 2027
2	CTA	BTL	CTA	N/A	N/A
3	Isolation attenuator	Z-Link	ASMA-16-18-2W	N/A	May 16, 2027

Remark: “N/A” denotes no model name, serial no. or calibration specified.
All calibration period of equipment list is one year.

APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

Test Mode	TX Mode Channel 00_1Mbps	Phase	Line

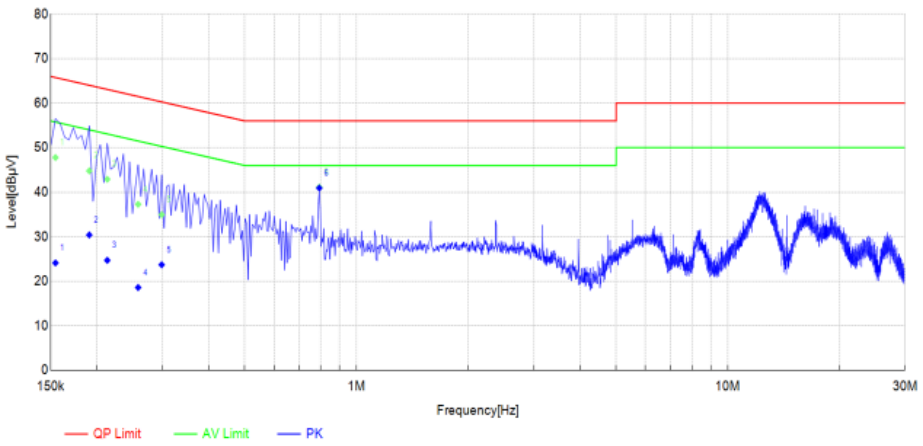


Final Data List

NO.	Freq. [MHz]	Reading	Level	Factor [dB]	Limit	Margin [dB]	Phase	Detector
1	0.1500	37.25	47.61	10.36	66.00	18.39	L1	QP
2	0.1500	11.78	22.14	10.36	56.00	33.86	L1	AV
3	0.1815	34.91	45.29	10.38	64.42	19.13	L1	QP
4	0.1815	19.78	30.16	10.38	54.42	24.26	L1	AV
5	0.2265	29.29	39.69	10.40	62.58	22.89	L1	QP
6	0.2265	8.96	19.36	10.40	52.58	33.22	L1	AV
7	0.2805	25.79	36.22	10.43	60.80	24.58	L1	QP
8	0.2805	17.23	27.66	10.43	50.80	23.14	L1	AV
9	0.7935	28.83	39.35	10.52	56.00	16.65	L1	QP
10	0.7935	27.70	38.22	10.52	46.00	7.78	L1	AV
11	2.3775	24.60	35.28	10.68	56.00	20.72	L1	QP
12	2.3775	20.57	31.25	10.68	46.00	14.75	L1	AV

Note:(1)Level=Reading+Factor (2)Margin=Limit-Level

Test Mode	TX Mode Channel 00_1Mbps	Phase	Neutral



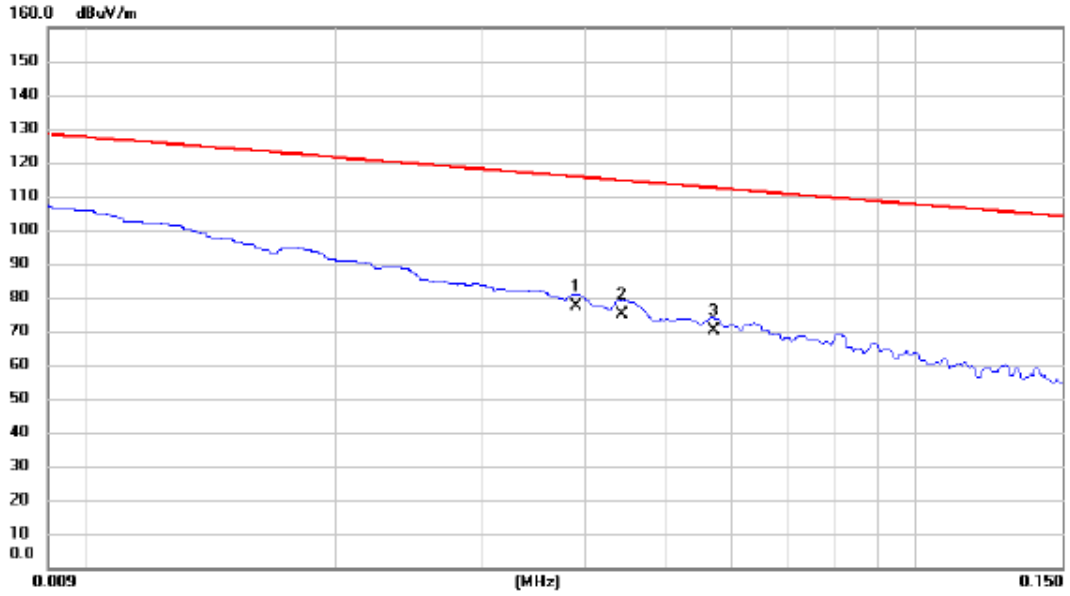
Final Data List

NO.	Freq. [MHz]	Reading	Level	Factor [dB]	Limit	Margin [dB]	Phase	Detector
1	0.1545	37.38	47.79	10.41	65.75	17.96	N	QP
2	0.1545	13.71	24.12	10.41	55.75	31.63	N	AV
3	0.1905	34.37	44.80	10.43	64.01	19.21	N	QP
4	0.1905	19.97	30.40	10.43	54.01	23.61	N	AV
5	0.2130	32.47	42.90	10.43	63.09	20.19	N	QP
6	0.2130	14.27	24.70	10.43	53.09	28.39	N	AV
7	0.2580	26.83	37.28	10.45	61.50	24.22	N	QP
8	0.2580	8.14	18.59	10.45	51.50	32.91	N	AV
9	0.2985	24.48	34.95	10.47	60.28	25.33	N	QP
10	0.2985	13.24	23.71	10.47	50.28	26.57	N	AV
11	0.7935	30.59	41.14	10.55	56.00	14.86	N	QP
12	0.7935	30.38	40.93	10.55	46.00	5.07	N	AV

Note:(1)Level=Reading+Factor (2)Margin=Limit-Level

APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ

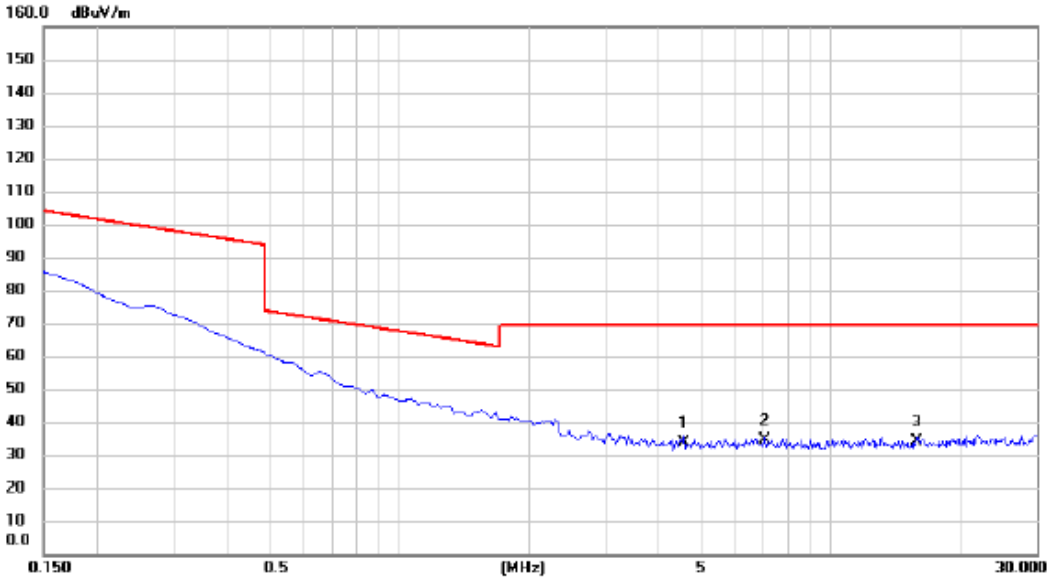
Test Mode	TX Mode Channel 00_1Mbps	Polarization	Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.039	56.73	20.60	77.33	115.78	-38.45	AVG	
2		0.044	54.25	20.62	74.87	114.70	-39.83	AVG	
3		0.057	49.58	20.63	70.21	112.49	-42.28	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

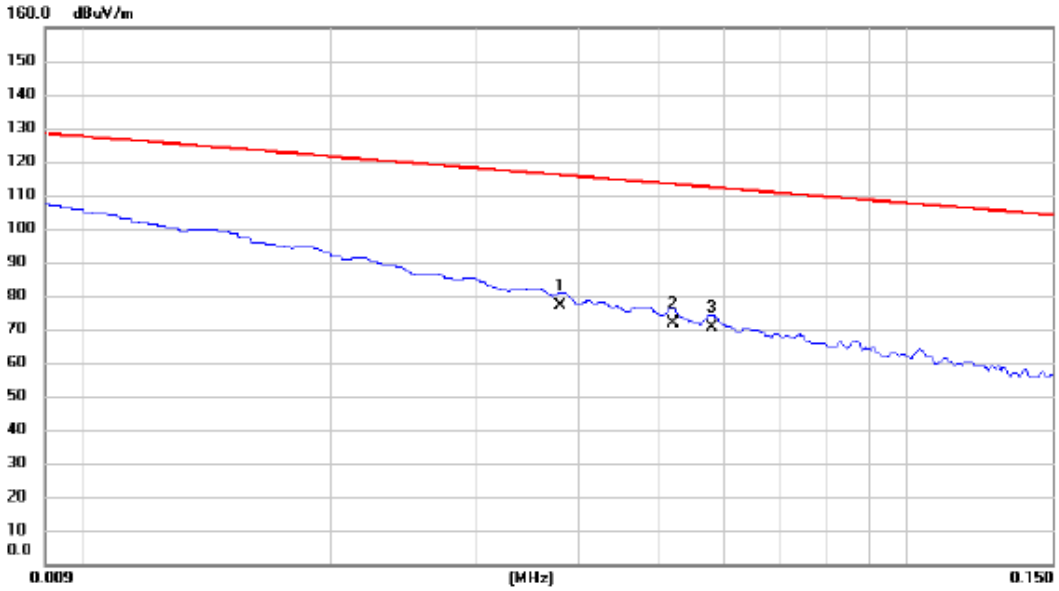
Test Mode	TX Mode Channel 00_1Mbps	Polarization	Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4.568	13.38	20.36	33.74	69.54	-35.80	QP	
2	*	7.016	14.04	20.40	34.44	69.54	-35.10	QP	
3		15.851	13.95	20.43	34.38	69.54	-35.16	QP	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

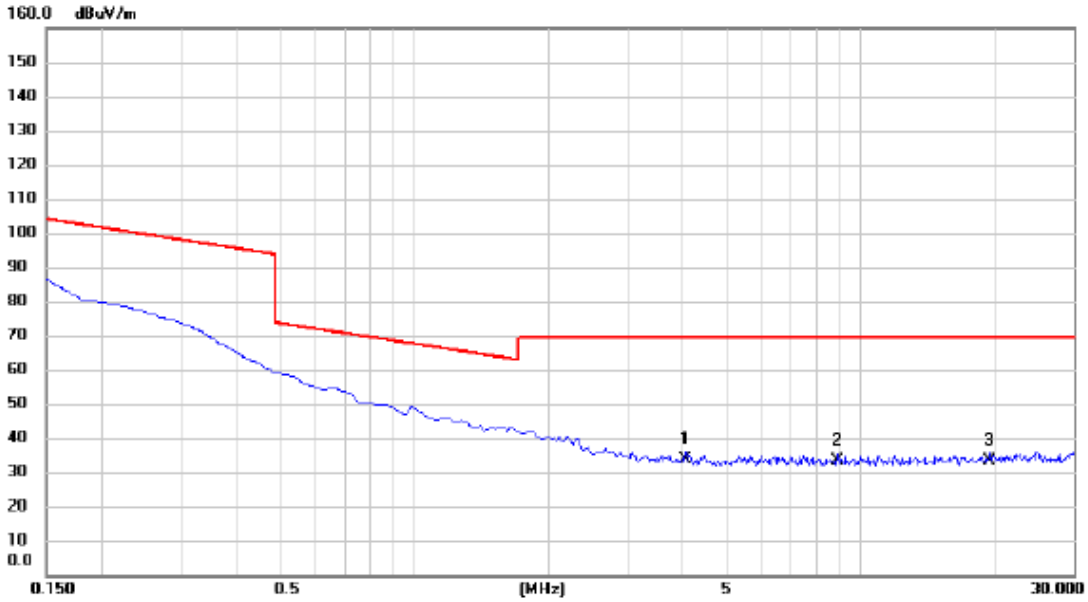
Test Mode	TX Mode Channel 00_1Mbps	Polarization	Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.038	56.35	20.59	76.94	116.01	-39.07	AVG	
2		0.052	51.27	20.64	71.91	113.28	-41.37	AVG	
3		0.058	49.81	20.62	70.43	112.34	-41.91	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX Mode Channel 00_1Mbps	Polarization	Ant 90°

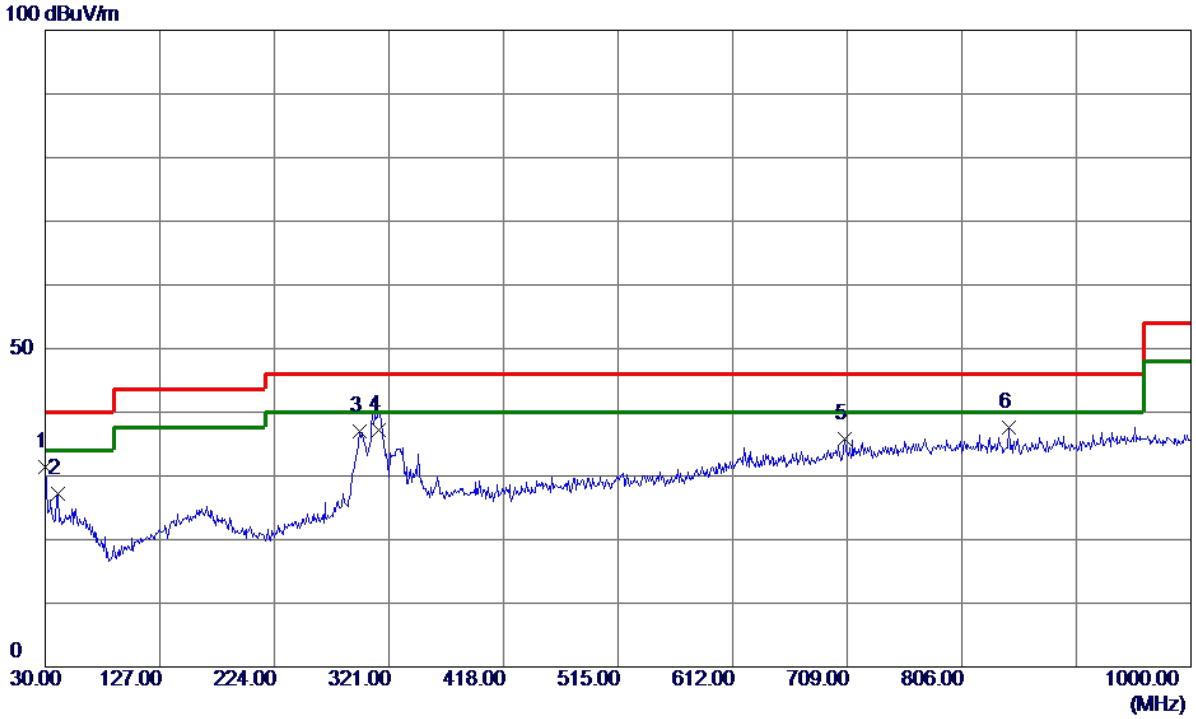


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4.060	13.61	20.34	33.95	69.54	-35.59	QP	
2		8.896	12.76	20.49	33.25	69.54	-36.29	QP	
3		19.493	13.25	20.35	33.60	69.54	-35.94	QP	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ

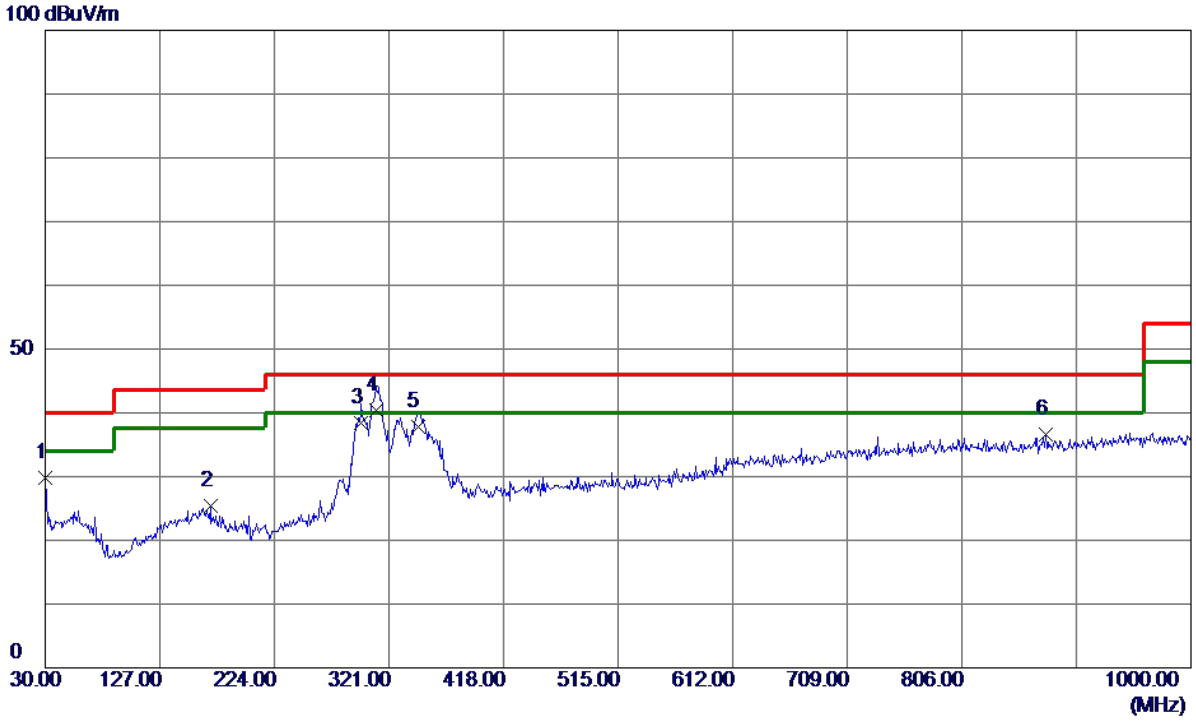
Test Mode	TX Mode Channel 00_1Mbps	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	30.0000	42.99	-11.64	31.35	40.00	-8.65	Peak	
2	40.6699	39.18	-11.91	27.27	40.00	-12.73	Peak	
3	295.7800	47.52	-10.59	36.93	46.02	-9.09	Peak	
4	312.2700	47.32	-10.11	37.21	46.02	-8.81	QP	
5	707.0600	37.98	-2.13	35.85	46.02	-10.17	Peak	
6 *	845.7700	38.33	-0.67	37.66	46.02	-8.36	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX Mode Channel 00_1Mbps	Polarization	Horizontal

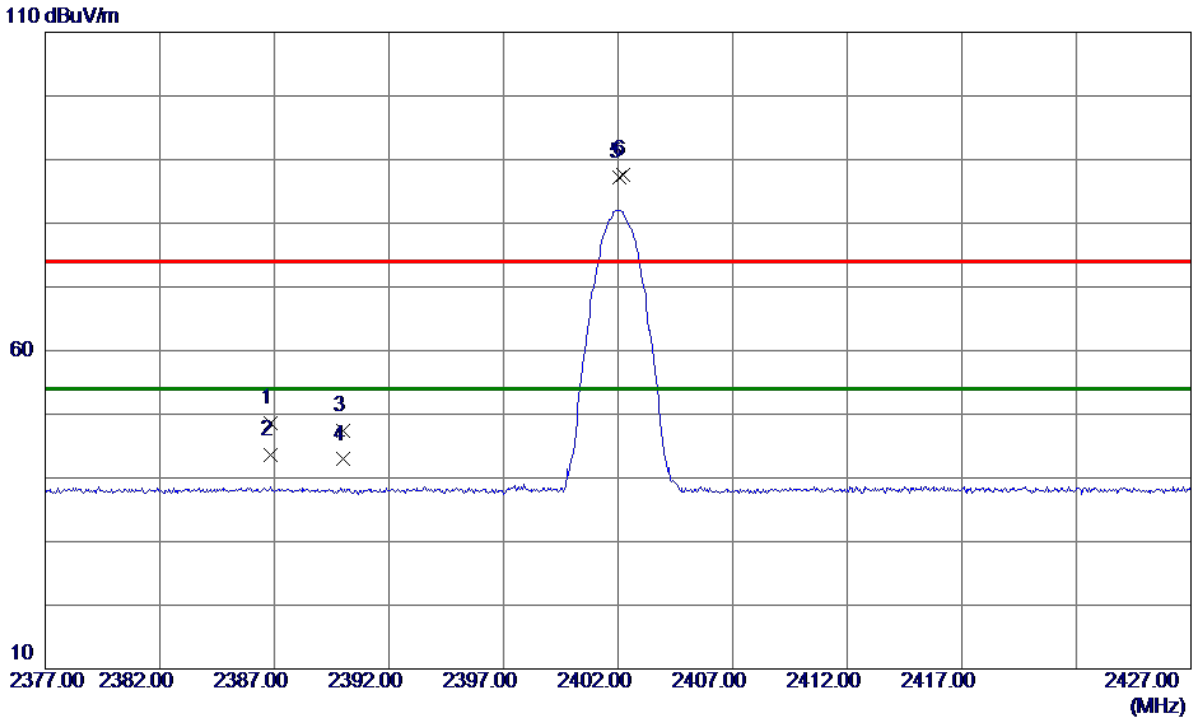


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	30.0000	41.48	-11.64	29.84	40.00	-10.16	Peak	
2	169.6799	37.10	-11.63	25.47	43.52	-18.05	Peak	
3	297.7200	48.91	-10.54	38.37	46.02	-7.65	QP	
4 *	310.3299	50.66	-10.17	40.49	46.02	-5.53	QP	
5	345.2500	47.41	-9.58	37.83	46.02	-8.19	QP	
6	876.8100	37.13	-0.51	36.62	46.02	-9.40	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

APPENDIX D - RADIATED EMISSION - ABOVE 1000 MHZ

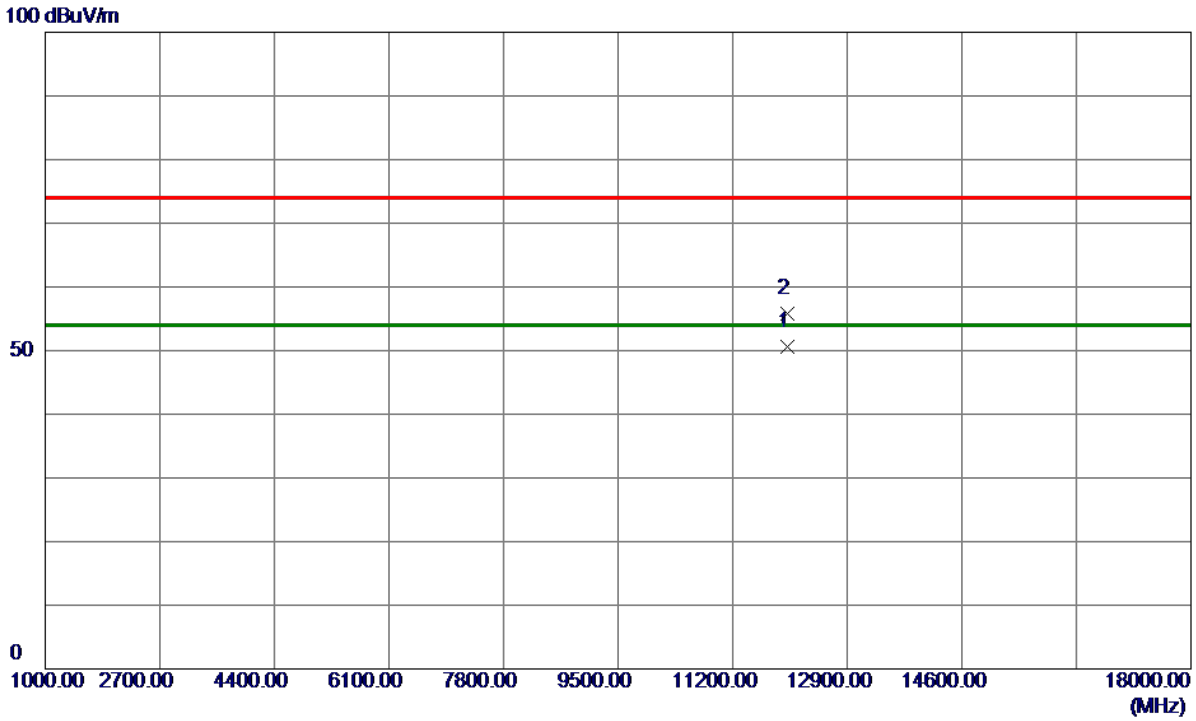
Test Mode	TX 2402 MHz_CH00_1Mbps	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2386.8500	39.49	9.20	48.69	74.00	-25.31	Peak	
2	2386.8500	34.46	9.20	43.66	54.00	-10.34	AVG	
3	2390.0000	38.13	9.21	47.34	74.00	-26.66	Peak	
4	2390.0000	33.69	9.21	42.90	54.00	-11.10	AVG	
5 *	2402.0500	77.87	9.24	87.11	54.00	33.11	AVG	No Limit
6	2402.2000	78.45	9.24	87.69	74.00	13.69	Peak	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

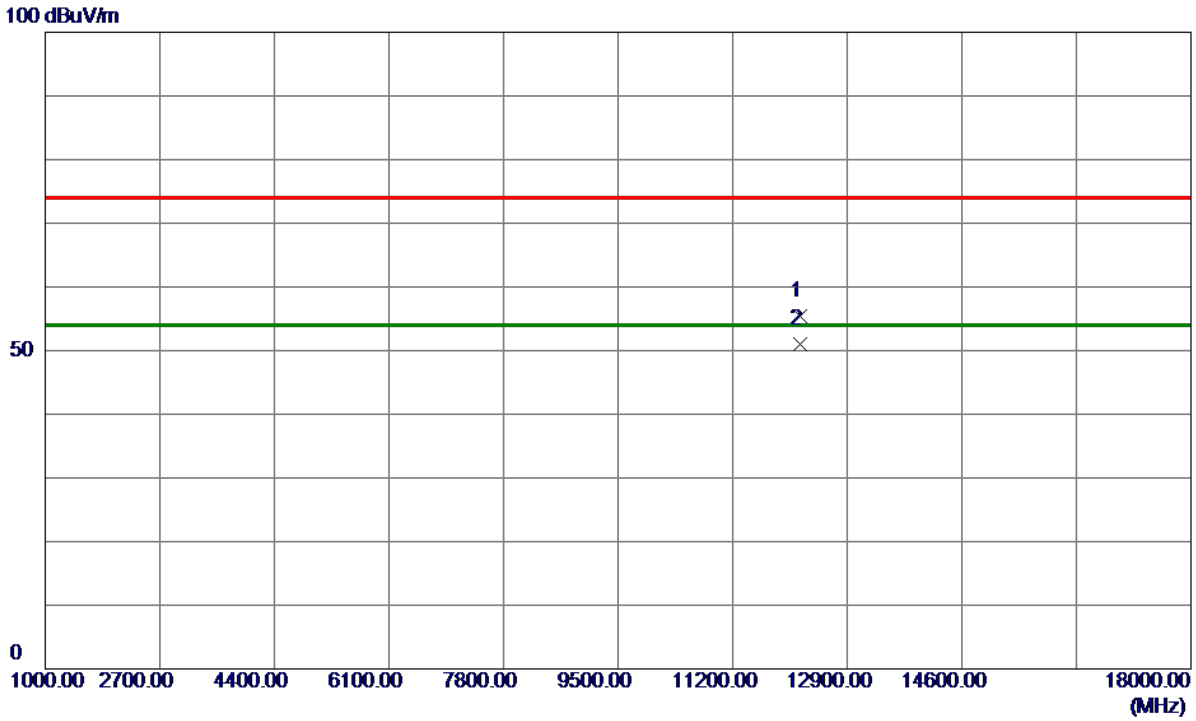
Test Mode	TX 2402 MHz_CH00_1Mbps	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	12008.8600	38.71	11.84	50.55	54.00	-3.45	AVG	
2	12011.3400	43.95	11.85	55.80	74.00	-18.20	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

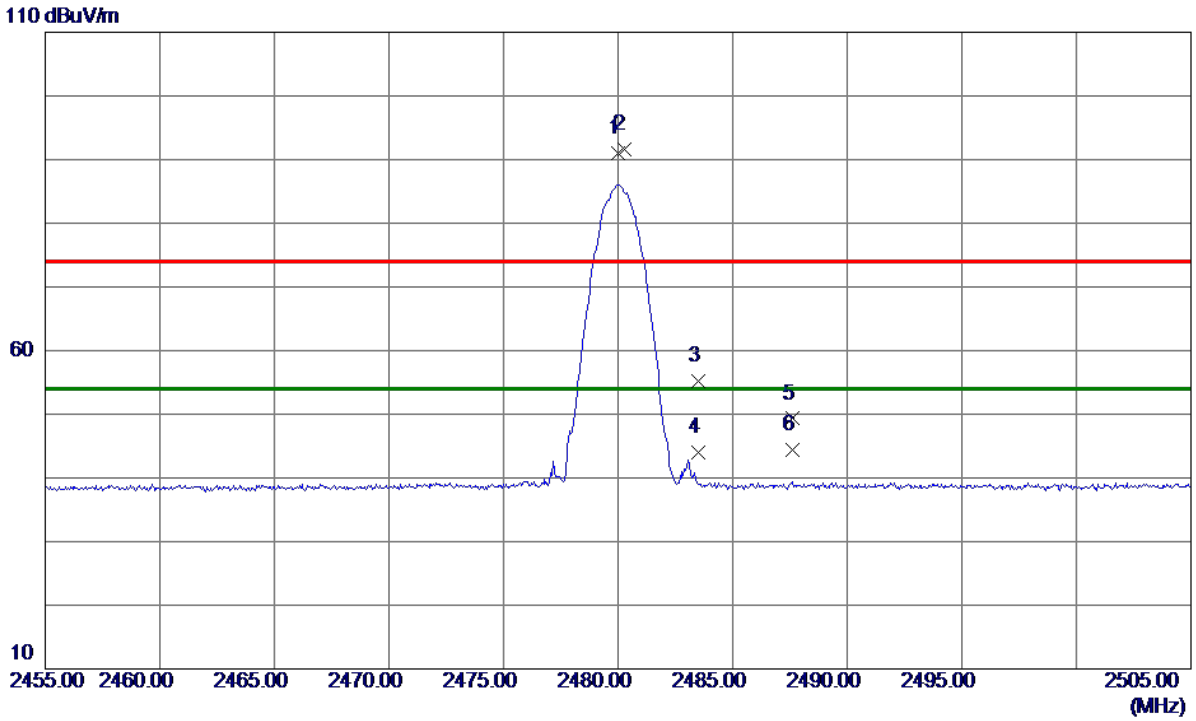
Test Mode	TX 2440 MHz_CH19_1Mbps	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	12200.0599	43.43	11.95	55.38	74.00	-18.62	Peak	
2 *	12201.1400	39.03	11.95	50.98	54.00	-3.02	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

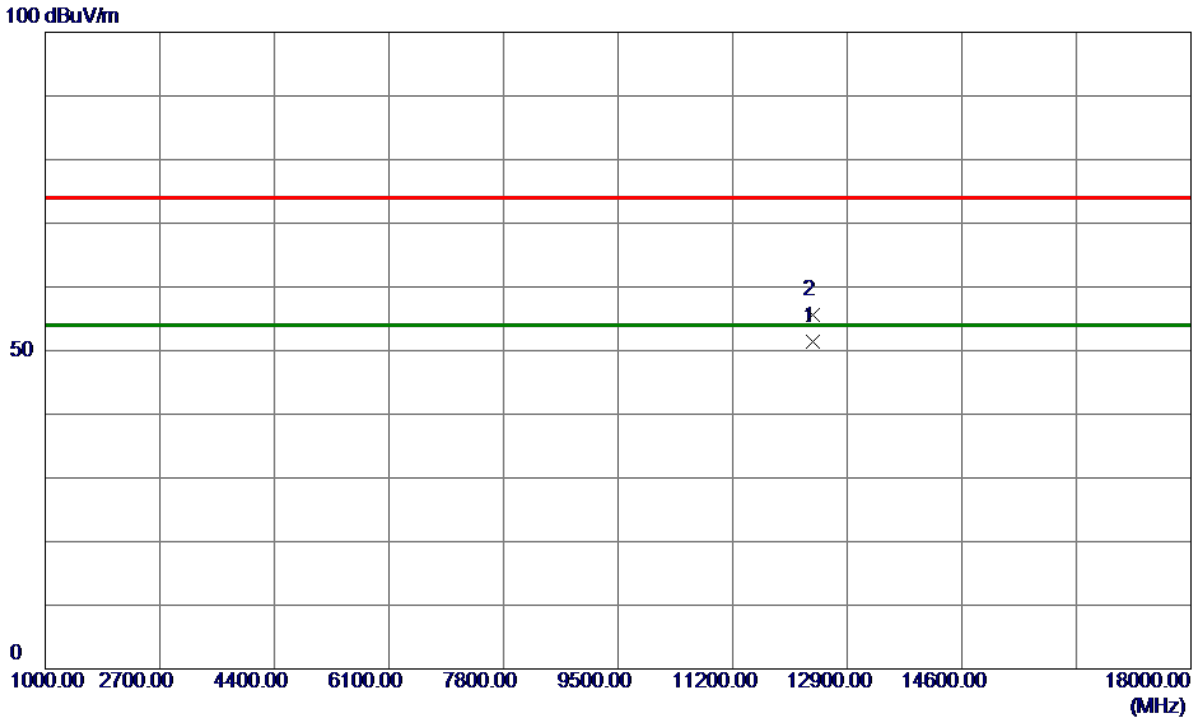
Test Mode	TX 2480 MHz_CH39_1Mbps	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2480.0000	81.58	9.43	91.01	54.00	37.01	AVG	No Limit
2	2480.2500	82.13	9.43	91.56	74.00	17.56	Peak	No Limit
3	2483.5000	45.80	9.44	55.24	74.00	-18.76	Peak	
4	2483.5000	34.62	9.44	44.06	54.00	-9.94	AVG	
5	2487.6000	39.85	9.45	49.30	74.00	-24.70	Peak	
6	2487.6000	35.00	9.45	44.45	54.00	-9.55	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

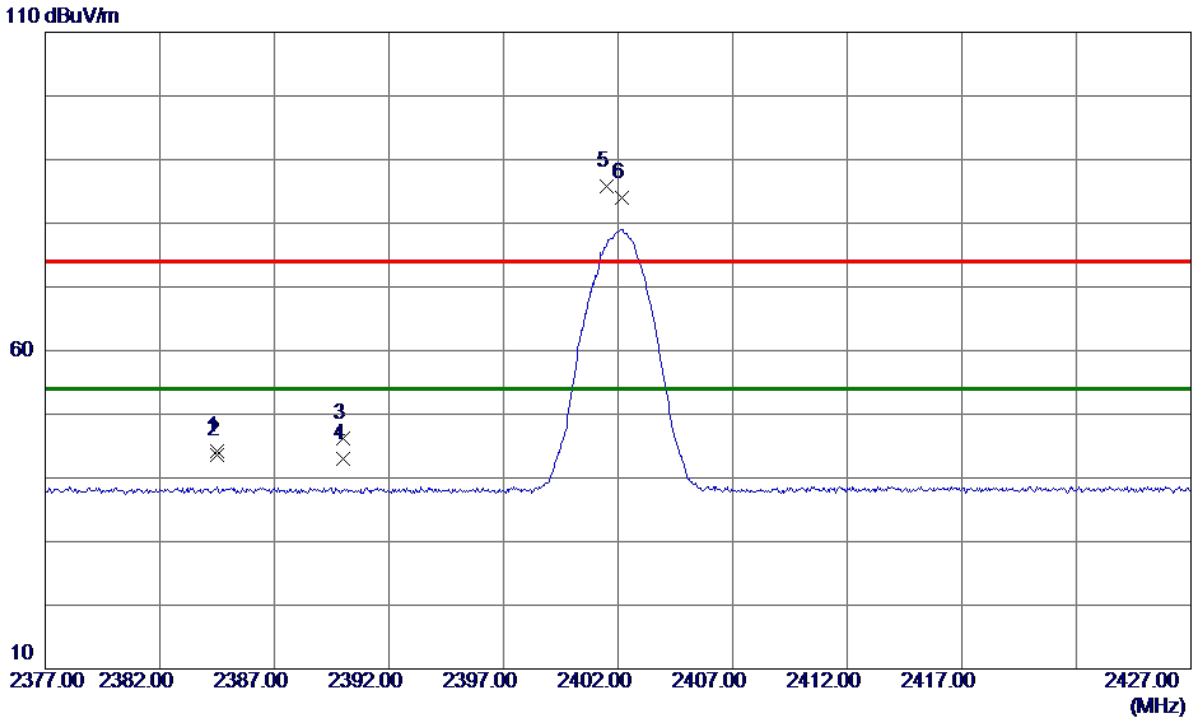
Test Mode	TX 2480 MHz_CH39_1Mbps	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	12398.8600	39.32	12.06	51.38	54.00	-2.62	AVG	
2	12398.8800	43.62	12.06	55.68	74.00	-18.32	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

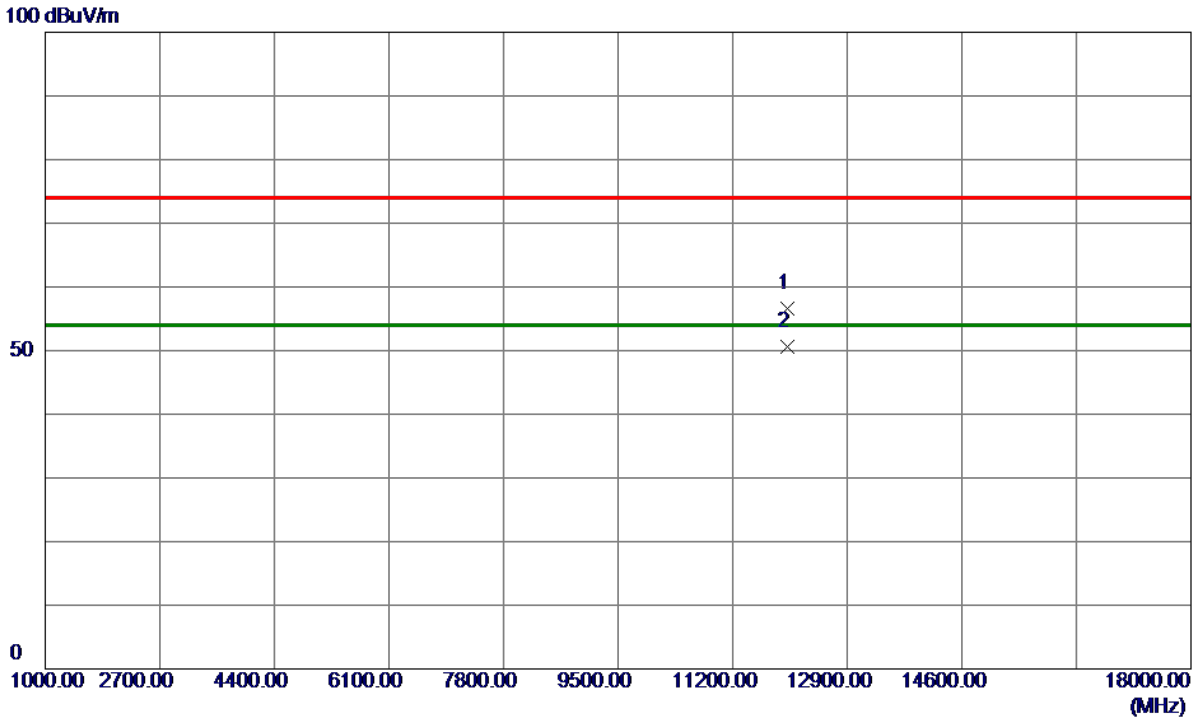
Test Mode	TX 2402 MHz_CH00_2Mbps	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2384.5000	34.99	9.20	44.19	74.00	-29.81	Peak	
2	2384.5000	34.46	9.20	43.66	54.00	-10.34	AVG	
3	2390.0000	36.95	9.21	46.16	74.00	-27.84	Peak	
4	2390.0000	33.81	9.21	43.02	54.00	-10.98	AVG	
5	2401.5000	76.59	9.24	85.83	74.00	11.83	Peak	No Limit
6 *	2402.1500	74.76	9.24	84.00	54.00	30.00	AVG	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

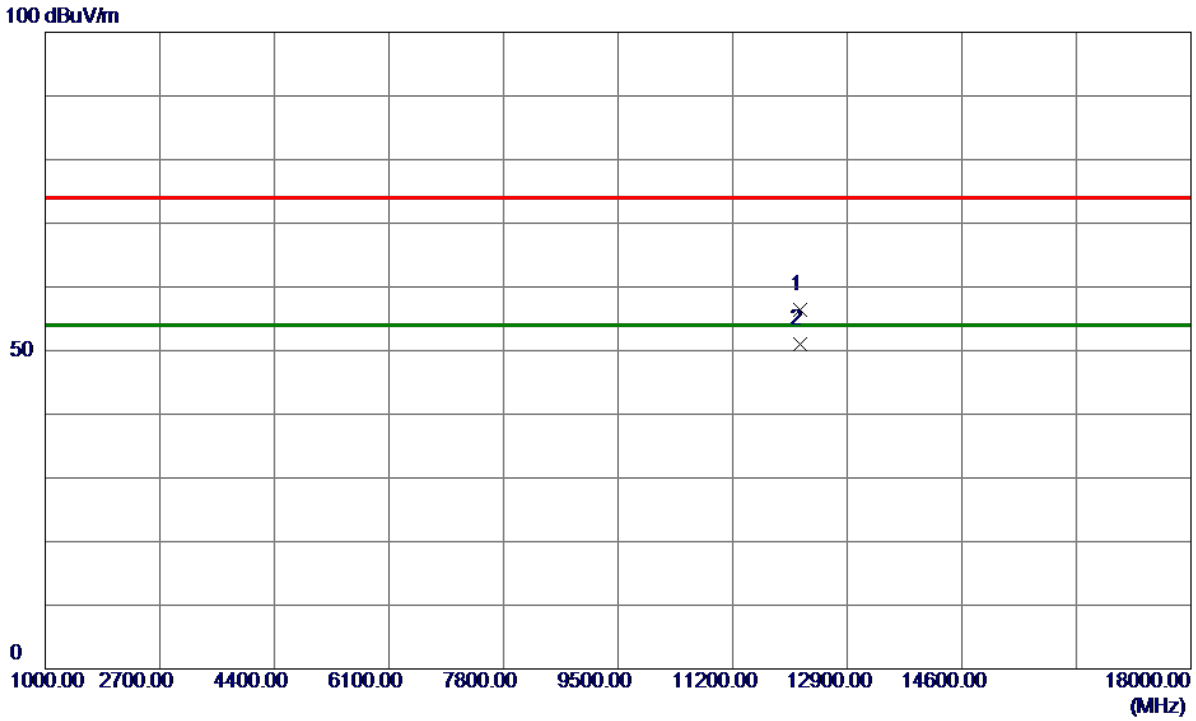
Test Mode	TX 2402 MHz_CH00_2Mbps	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	12007.8200	44.85	11.84	56.69	74.00	-17.31	Peak	
2 *	12012.2600	38.70	11.85	50.55	54.00	-3.45	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

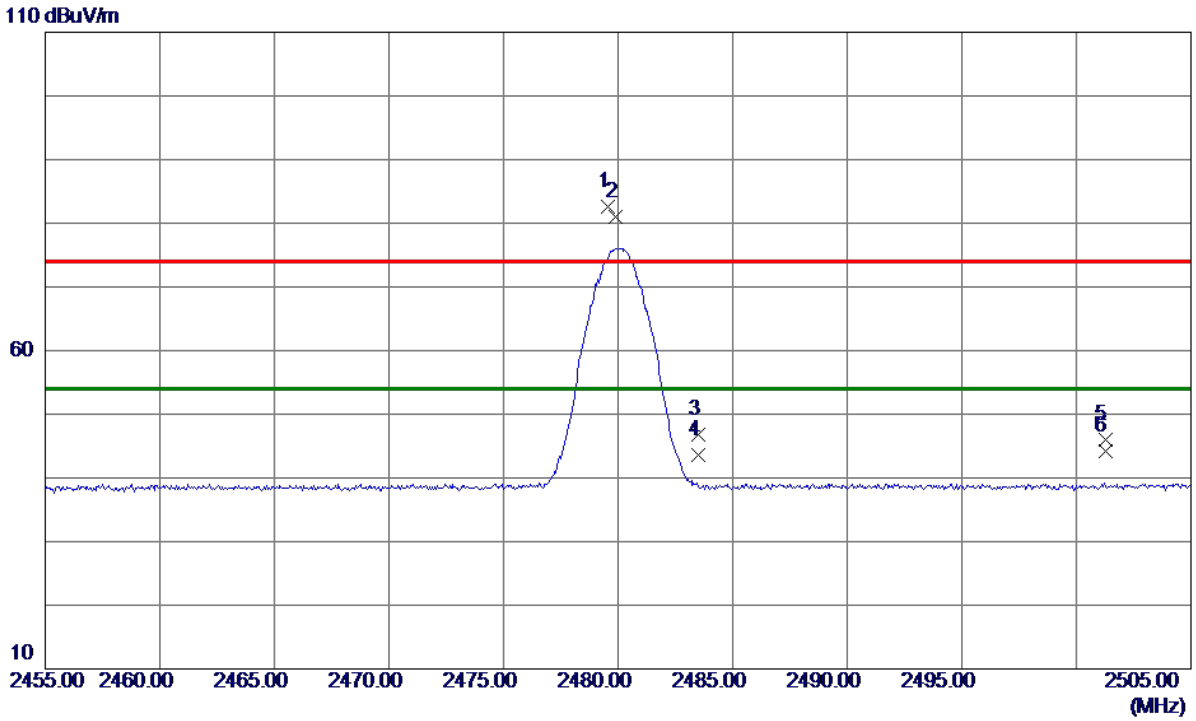
Test Mode	TX 2440 MHz_CH19_2Mbps	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	12197.5400	44.52	11.95	56.47	74.00	-17.53	Peak	
2 *	12202.4800	39.01	11.95	50.96	54.00	-3.04	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

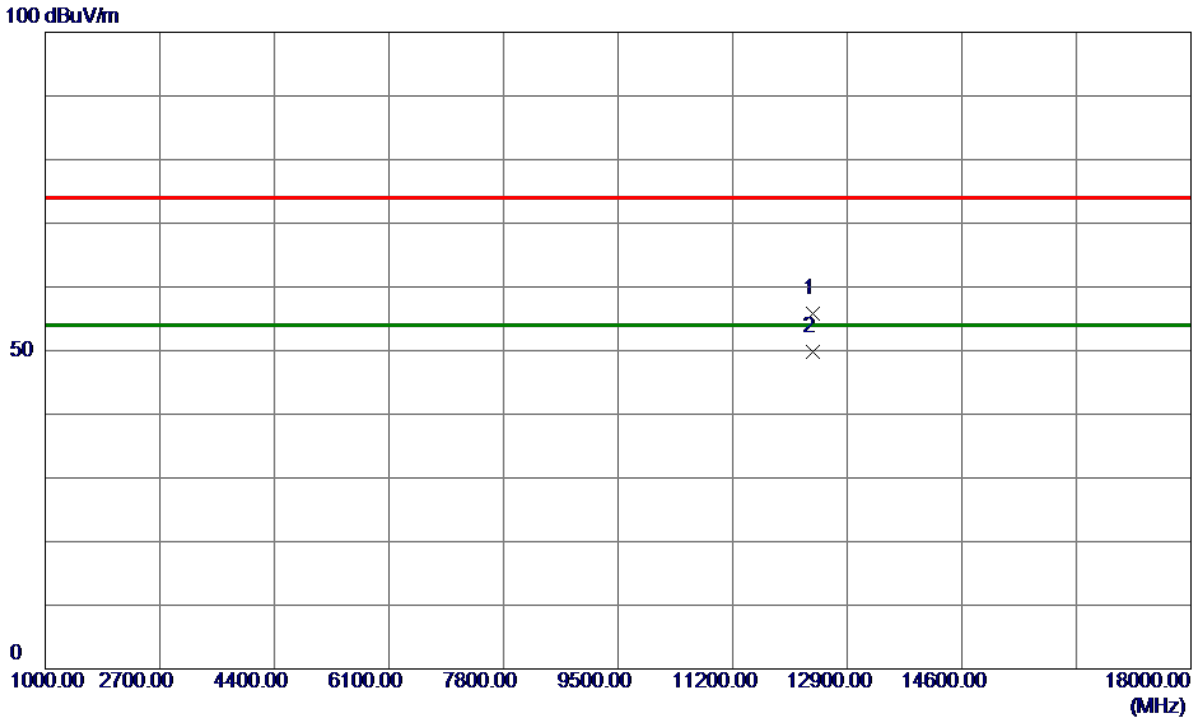
Test Mode	TX 2480 MHz_CH39_2Mbps	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2479.5500	73.18	9.43	82.61	74.00	8.61	Peak	No Limit
2 *	2479.9000	71.59	9.43	81.02	54.00	27.02	AVG	No Limit
3	2483.5000	37.35	9.44	46.79	74.00	-27.21	Peak	
4	2483.5000	34.21	9.44	43.65	54.00	-10.35	AVG	
5	2501.2500	36.49	9.48	45.97	74.00	-28.03	Peak	
6	2501.2500	34.79	9.48	44.27	54.00	-9.73	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX 2480 MHz_CH39_2Mbps	Polarization	Vertical

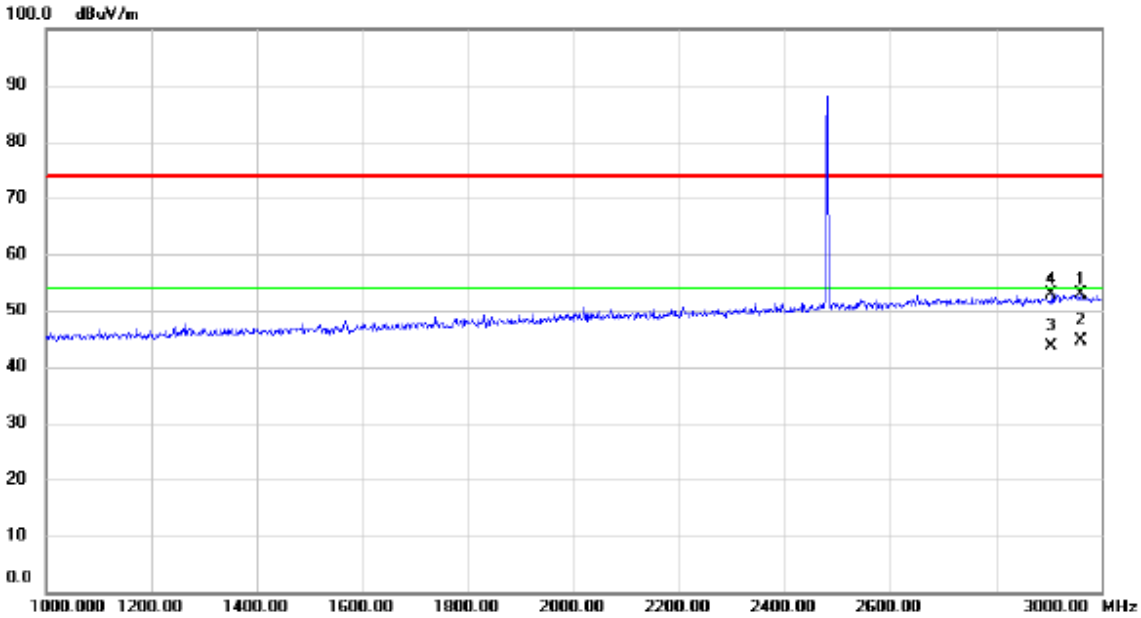


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	12397.4000	43.66	12.06	55.72	74.00	-18.28	Peak	
2 *	12397.6800	37.66	12.06	49.72	54.00	-4.28	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Worst case:

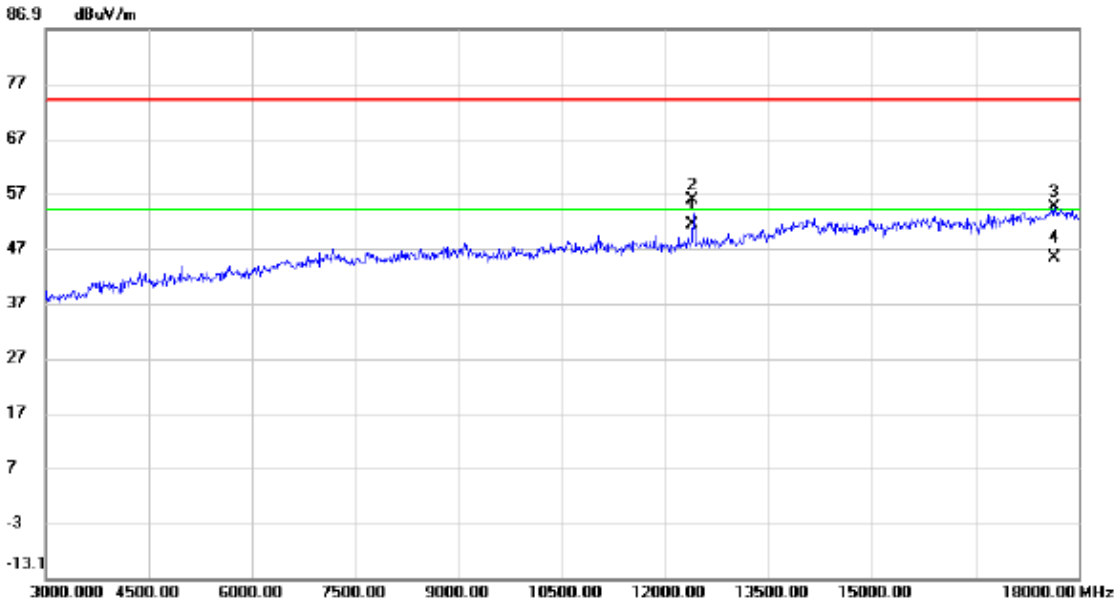
Test Mode	TX 2480 MHz_CH39_1Mbps	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2960.000	42.19	10.64	52.83	74.00	-21.17	peak	
2	*	2960.000	33.95	10.64	44.59	54.00	-9.41	AVG	
3		2906.000	33.09	10.46	43.55	54.00	-10.45	AVG	
4		2906.000	42.31	10.46	52.77	74.00	-21.23	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

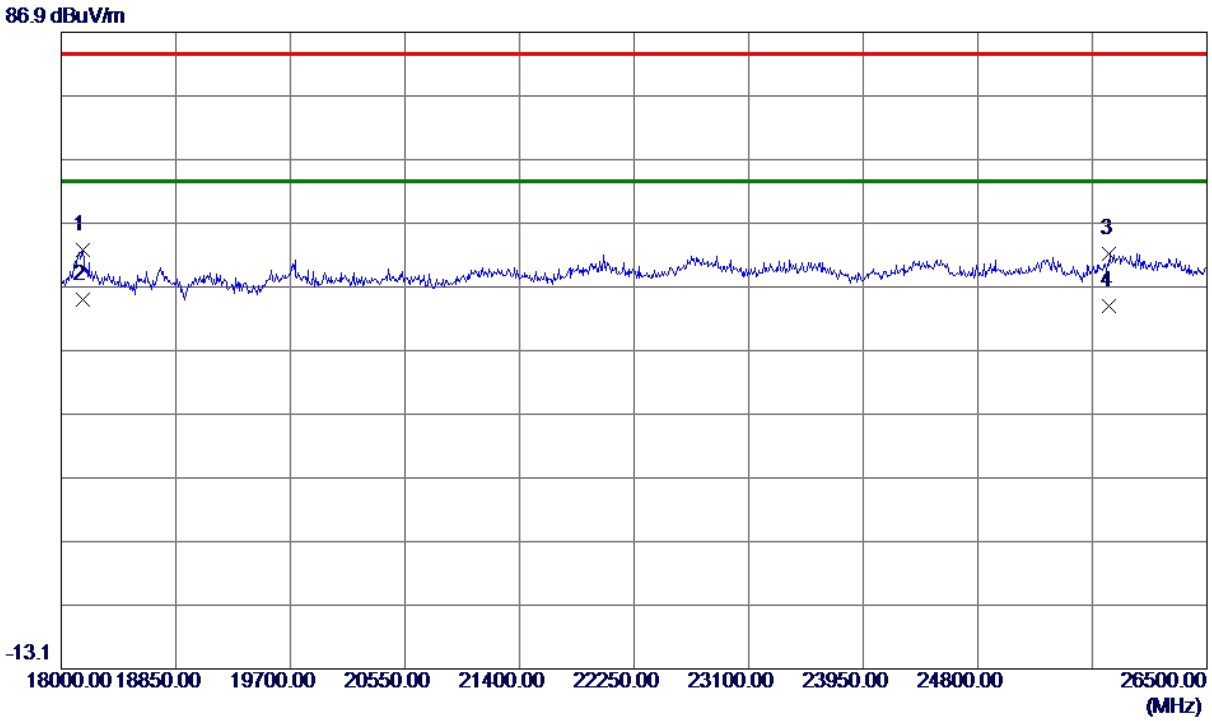
Test Mode	TX 2480 MHz_CH39_1Mbps	Polarization	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	12398.860	39.96	11.42	51.38	54.00	-2.62	AVG	
2		12398.880	44.26	11.42	55.68	74.00	-18.32	peak	
3		17640.000	42.64	11.99	54.63	74.00	-19.37	peak	
4		17640.000	33.36	11.99	45.35	54.00	-8.65	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

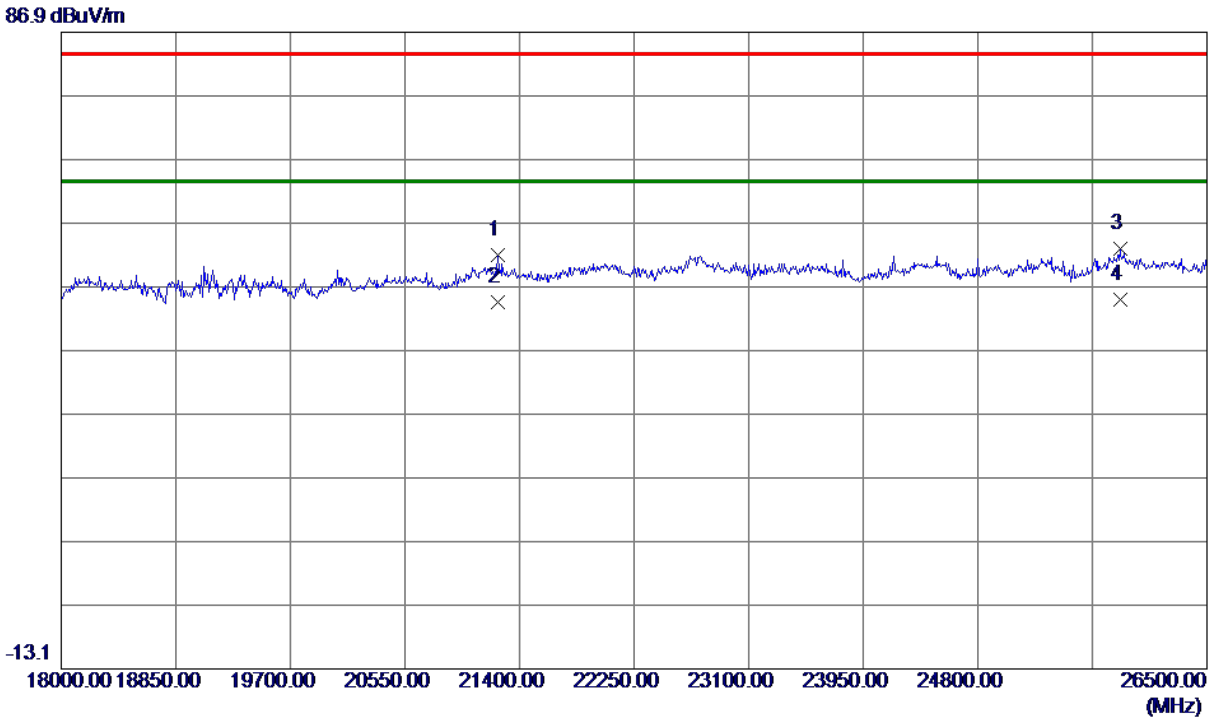
Test Mode	TX 2402 MHz_CH00_1Mbps	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	18161.5000	50.35	2.32	52.67	83.50	-30.83	Peak	
2 *	18161.5000	42.57	2.32	44.89	63.50	-18.61	AVG	
3	25777.5000	46.54	5.59	52.13	83.50	-31.37	Peak	
4	25777.5000	38.23	5.59	43.82	63.50	-19.68	AVG	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX 2402 MHz_CH00_1Mbps	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	21238.5000	48.21	3.68	51.89	83.50	-31.61	Peak	
2	21238.5000	40.86	3.68	44.54	63.50	-18.96	AVG	
3	25854.0000	47.14	5.73	52.87	83.50	-30.63	Peak	
4 *	25854.0000	39.13	5.73	44.86	63.50	-18.64	AVG	

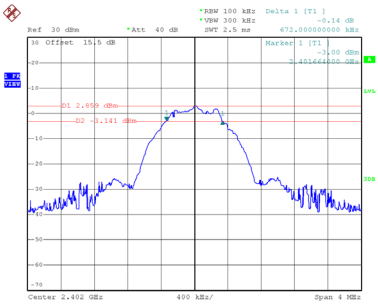
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

APPENDIX E - BANDWIDTH

Test Mode	TX Mode_1Mbps

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Test Result
00	2402	0.672	1.072	0.5	Pass
19	2440	0.648	1.096	0.5	Pass
39	2480	0.672	1.080	0.5	Pass

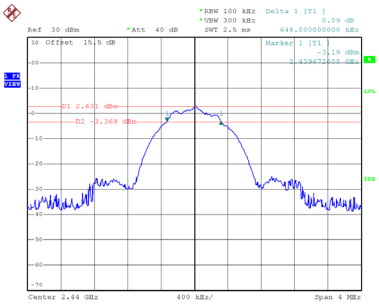
CH00



Date: 17.AUG.2026 10:17:21

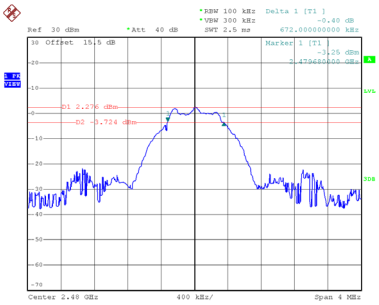
CH19

6 dB Bandwidth



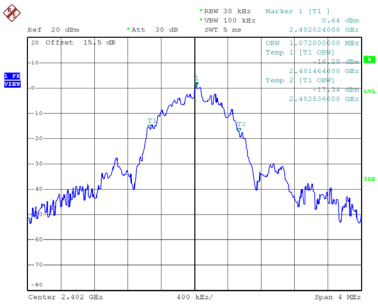
Date: 17.AUG.2026 10:18:55

CH39

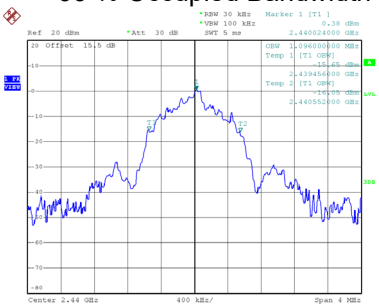


Date: 17.AUG.2026 10:20:31

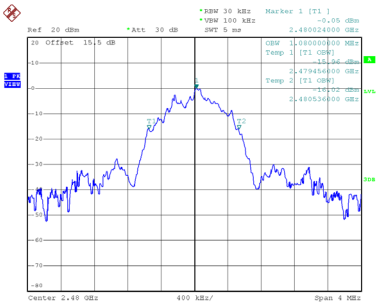
99 % Occupied Bandwidth



Date: 17.AUG.2026 10:17:33



Date: 17.AUG.2026 10:19:08

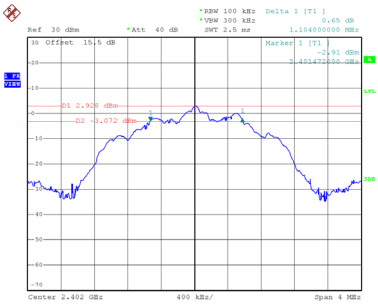


Date: 17.AUG.2026 10:20:44

Test Mode	TX Mode_2Mbps

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Test Result
00	2402	1.104	2.136	0.5	Pass
19	2440	0.784	2.120	0.5	Pass
39	2480	0.864	2.176	0.5	Pass

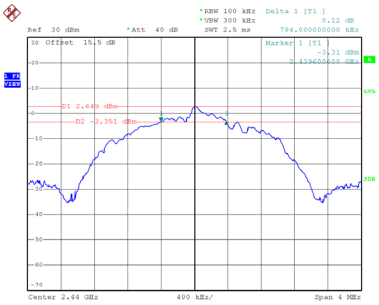
CH00



Date: 17.AUG.2026 10:23:31

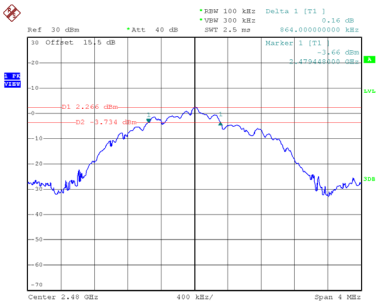
CH19

6 dB Bandwidth



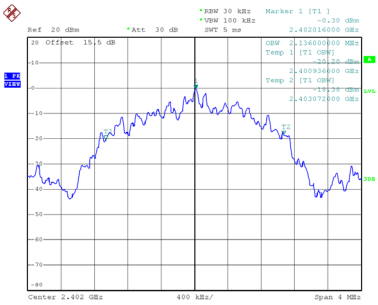
Date: 17.AUG.2026 10:26:54

CH39

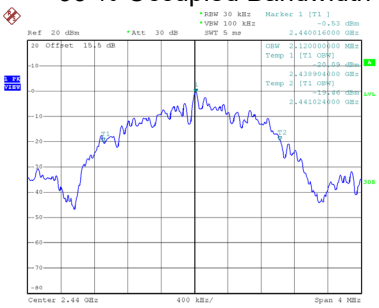


Date: 17.AUG.2026 10:28:26

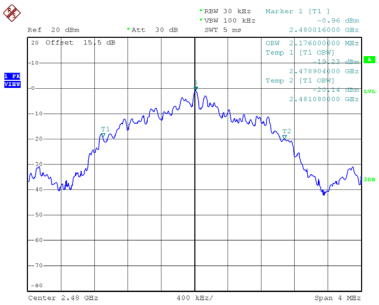
99 % Occupied Bandwidth



Date: 17.AUG.2026 10:23:43



Date: 17.AUG.2026 10:27:06



Date: 17.AUG.2026 10:28:39

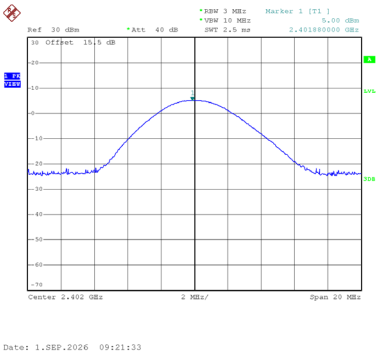
APPENDIX F - MAXIMUM OUTPUT POWER

Test Mode	TX Mode_1Mbps

Frequency (MHz)	Output Power (dBm)	Output Power (W)	Max. Limit (dBm)	Max. Limit (W)	Test Result
2402	5.00	0.0032	30.00	1.0000	Pass
2440	4.72	0.0030	30.00	1.0000	Pass
2480	4.39	0.0027	30.00	1.0000	Pass

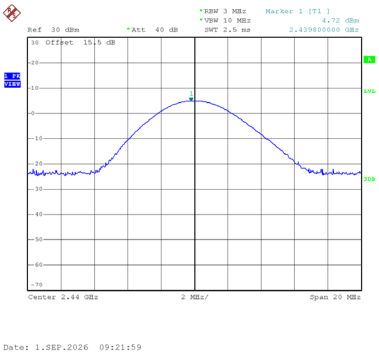
Note: Output power = Measure result + Cable loss

CH00



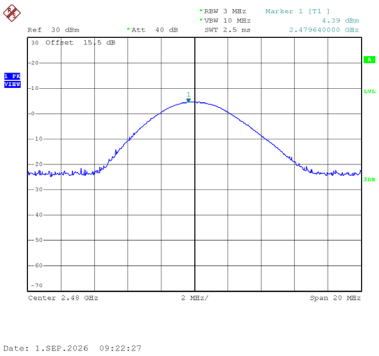
Date: 1.SEP.2026 09:21:33

CH19



Date: 1.SEP.2026 09:21:59

CH39



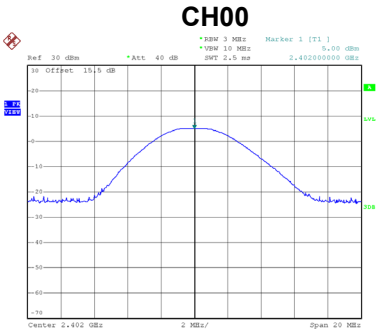
Date: 1.SEP.2026 09:22:27

Test Mode	TX Mode_2Mbps

Frequency (MHz)	Output Power (dBm)	Output Power (W)	Max. Limit (dBm)	Max. Limit (W)	Test Result
2402	5.00	0.0032	30.00	1.0000	Pass
2440	4.79	0.0030	30.00	1.0000	Pass
2480	4.45	0.0028	30.00	1.0000	Pass

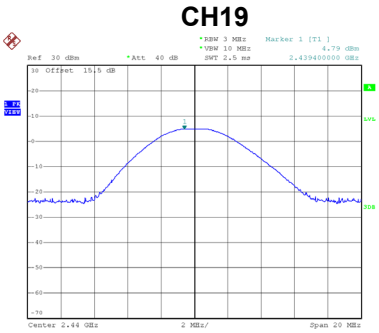
Note: Output power = Measure result + Cable loss

CH00



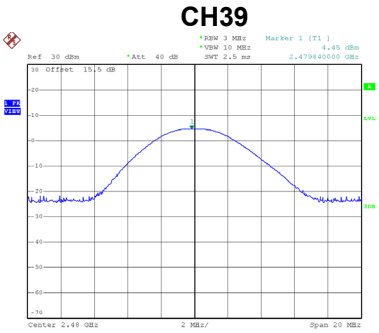
Date: 1.SEP.2026 09:24:13

CH19



Date: 1.SEP.2026 09:24:29

CH39

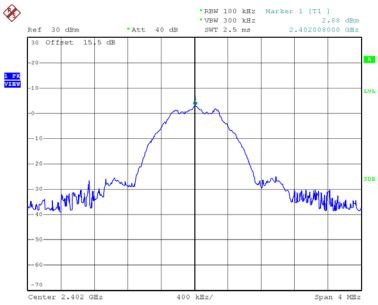


Date: 1.SEP.2026 09:25:05

APPENDIX G - CONDUCTED SPURIOUS EMISSION

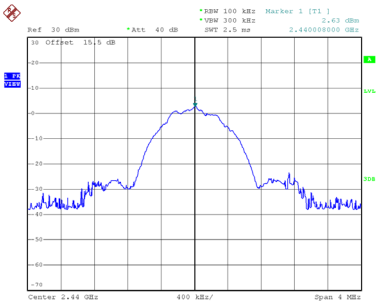
Test Mode	TX Mode_1Mbps

Reference Level-CH00



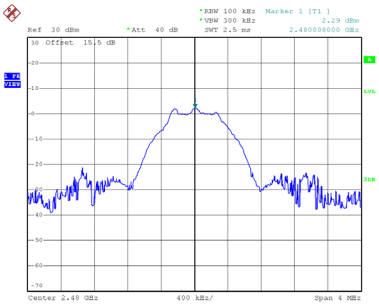
Date: 17.AUG.2026 10:17:57

Reference Level-CH19



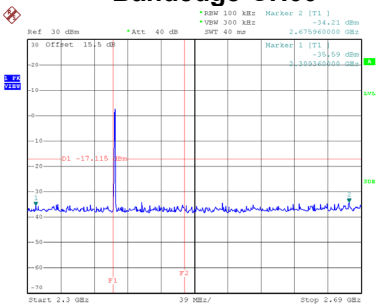
Date: 17.AUG.2026 10:19:31

Reference Level-CH39



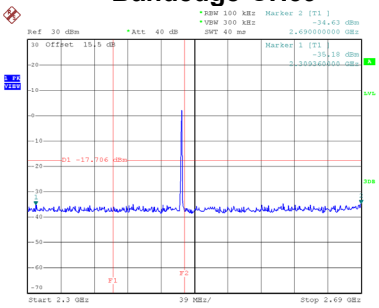
Date: 17.AUG.2026 10:21:07

Bandedge-CH00



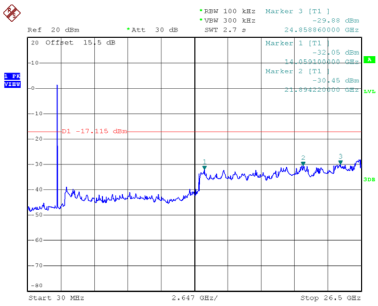
Date: 17.AUG.2026 10:18:10

Bandedge-CH39



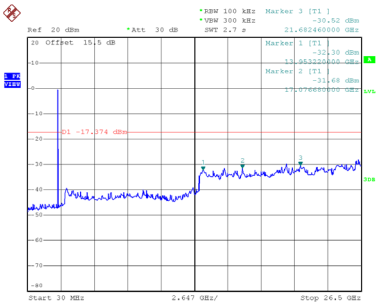
Date: 17.AUG.2026 10:21:20

Harmonic-CH00



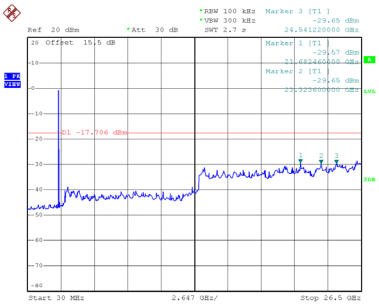
Date: 17.AUG.2026 10:18:23

Harmonic-CH19



Date: 17.AUG.2026 10:20:02

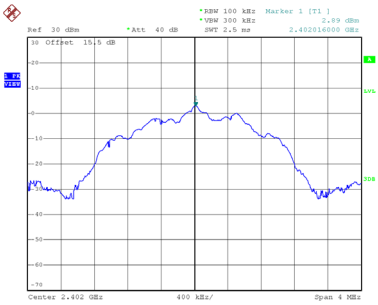
Harmonic-CH39



Date: 17.AUG.2026 10:22:05

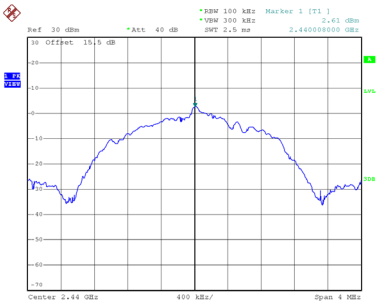
Test Mode	TX Mode_2Mbps

Reference Level-CH00



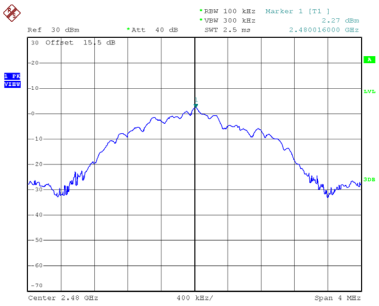
Date: 17.AUG.2026 10:24:06

Reference Level-CH19



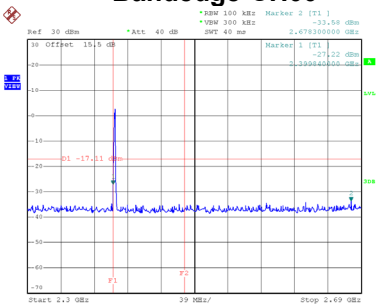
Date: 17.AUG.2026 10:27:30

Reference Level-CH39



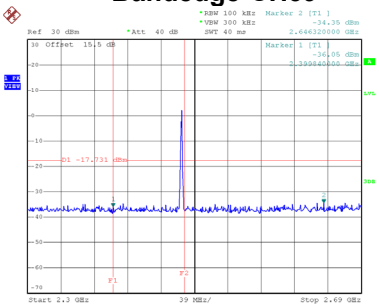
Date: 17.AUG.2026 10:29:02

Bandedge-CH00



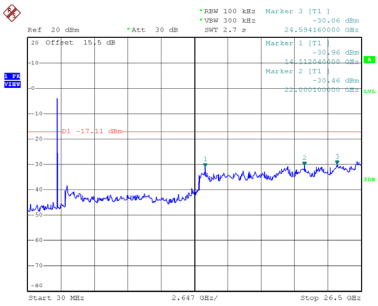
Date: 17.AUG.2026 10:24:19

Bandedge-CH39



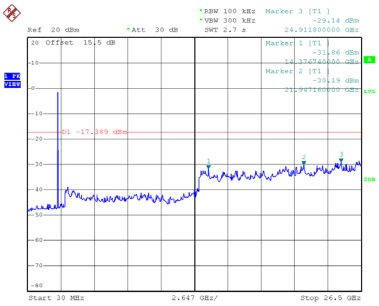
Date: 17.AUG.2026 10:29:15

Harmonic-CH00



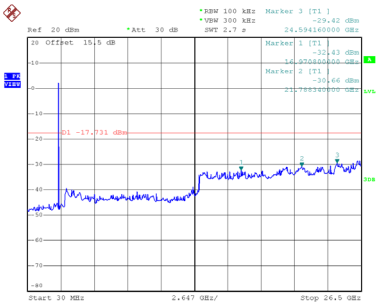
Date: 17.AUG.2026 10:24:32

Harmonic-CH19



Date: 17.AUG.2026 10:27:55

Harmonic-CH39



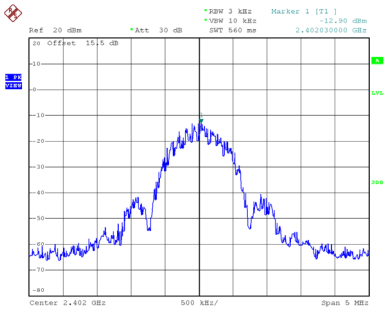
Date: 17.AUG.2026 10:29:27

APPENDIX H - POWER SPECTRAL DENSITY

Test Mode	TX Mode_1Mbps

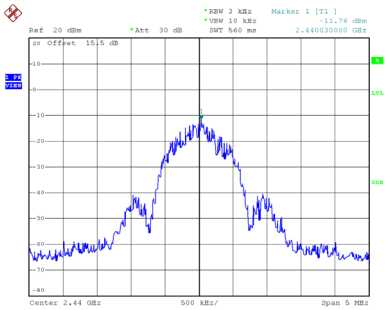
Channel	Frequency (MHz)	Power Spectral Density (dBm/3 kHz)	Max. Limit (dBm/3 kHz)	Test Result
00	2402	-12.90	8.00	Pass
19	2440	-11.76	8.00	Pass
39	2480	-10.92	8.00	Pass

CH00



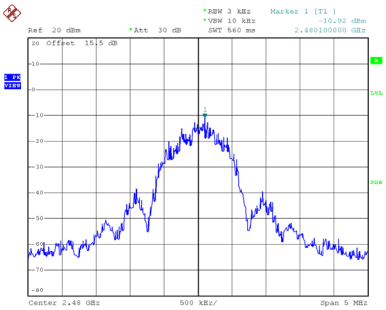
Date: 17.AUG.2026 10:17:45

CH19



Date: 17.AUG.2026 10:19:20

CH39

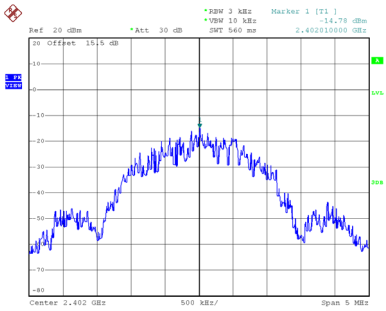


Date: 17.AUG.2026 10:20:56

Test Mode	TX Mode_2Mbps

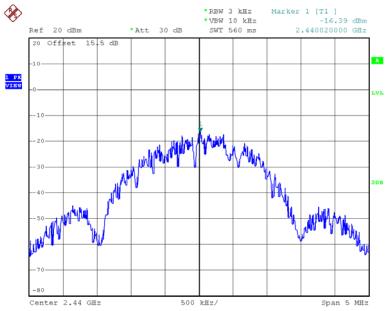
Channel	Frequency (MHz)	Power Spectral Density (dBm/3 kHz)	Max. Limit (dBm/3 kHz)	Test Result
00	2402	-14.78	8.00	Pass
19	2440	-16.39	8.00	Pass
39	2480	-15.63	8.00	Pass

CH00



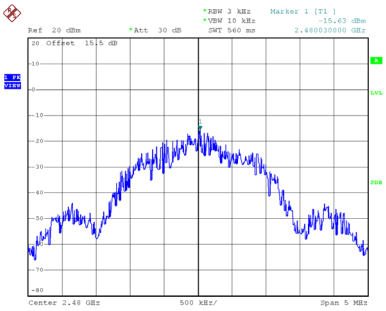
Date: 17.AUG.2026 10:23:55

CH19



Date: 17.AUG.2026 10:27:18

CH39



Date: 17.AUG.2026 10:28:51

End of Test Report