FCC Radio Test Report

FCC ID: ZQ6-AP6684S

This report concerns: Original Grant

Project No.	:	2606C057
Equipment	:	WiFi/BT module
Brand Name	:	AMPAK
Model Name	:	AP6684S, Stream1977
Applicant	:	AMPAK Technology Inc.
Address	:	6F-2, No.23, Huanke 1st Rd.,Zhubei City,Taiwan
Manufacturer	:	AMPAK Technology Inc.
Address	:	6F-2, No.23, Huanke 1st Rd.,Zhubei City,Taiwan
Factory	:	Gemtek Technology Co., Ltd.
Address	:	No.15-1, Zhonghua Rd., Hsinchu Industrial Park, Hukou, Hsinchu 303035, Taiwan, R.O.C.
Date of Receipt	:	Jun. 05, 2026
Date of Test	:	Jun. 05, 2026 ~ Sep. 08, 2026
Issued Date	:	Sep. 29, 2026
Test Sample	:	Engineering Sample No.: DG920260604286 for conducted, DG920260604285 for Radiated Emissions-Above 30 MHz, DG920260604287 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)

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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.

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REVISION HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-2-2606C057	R00	Original Report.	Sep. 29, 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 what use 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 is at the location of 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 test:

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

B. Radiated emissions test:

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)
DGDLCB03 (3m)	CISPR	1GHz ~ 6GHz	4.16
		6GHz ~ 18GHz	4.74

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	56%	AC 120V/60Hz	Hayden Chen
Radiated Emissions -9 kHz to 30 MHz	23°C	55%	DC 3.6V	Hayden Chen
Radiated Emissions -30 MHz to 1000 MHz	22°C	52%	DC 3.6V	Ilya Zhang
Radiated Emissions -Above 1000 MHz	23°C	50%	DC 3.6V	Lafu Li
	24°C	52%	DC 3.6V	Allen Tong
Bandwidth	24°C	57%	DC 3.6V	Arvin Tong Jensen Zhou
Maximum Output Power	24°C	57%	DC 3.6V	Arvin Tong Jensen Zhou
Conducted Spurious Emission	24°C	57%	DC 3.6V	Arvin Tong Jensen Zhou
Power Spectral Density	24°C	57%	DC 3.6V	Arvin Tong Jensen Zhou

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	WiFi/BT module
Brand Name	AMPAK
Test Model	AP6684S
Model Name	AP6684S, Stream1977
Model Difference(s)	Only the model name differs.
Hardware Version	V00
Software Version	1017.1005
Power Source	DC Voltage supplied from host system.
Power Rating	DC 3.6V
Operation Frequency	2402 MHz ~ 2480 MHz
Modulation Type	GFSK
Bit Rate of Transmitter	1Mbps, 2Mbps, 500kbps(S=2), 125kbps(S=8)
Max. Output Power	2Mbps: 6.43 dBm (0.0044 W)

Note:

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

2. 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

3. Table for Filed Antenna:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	StreamUnlimited Connectivity for Things	N/A	Dipole/Monopole	MHF4	3

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_500kbps(S=2) Channel 00/19/39
Mode 4	TX Mode_125kbps(S=8) Channel 00/19/39
Mode 5	TX Mode_2Mbps Channel 39

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 5	TX Mode_2Mbps Channel 39

Radiated emissions test - Below 1GHz & Above 18 GHz	
Final Test Mode	Description
Mode 5	TX Mode_2Mbps Channel 39

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
Mode 3	TX Mode_500kbps(S=2) Channel 00/19/39
Mode 4	TX Mode_125kbps(S=8) 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
Mode 3	TX Mode_500kbps(S=2) Channel 00/19/39
Mode 4	TX Mode_125kbps(S=8) Channel 00/19/39

Note:

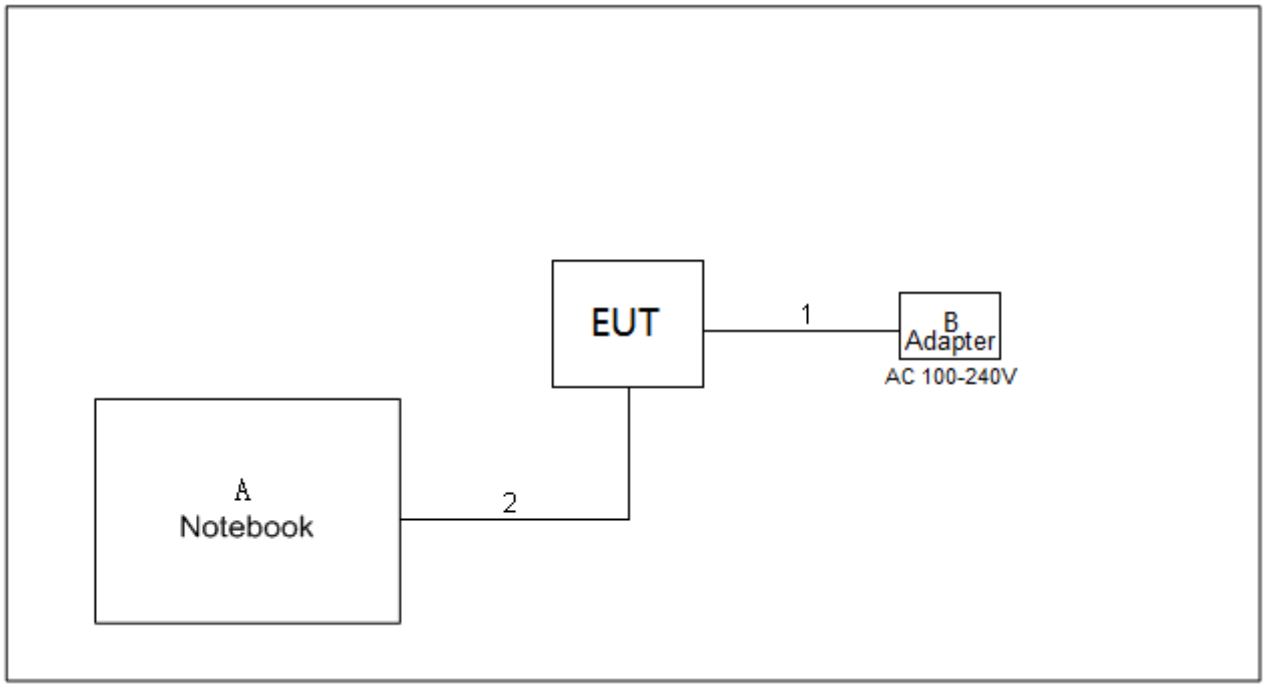
(1) For radiated emission above 1 GHz test, the spurious points of 1GHz~26.5GHz have been pre-tested and in this report only recorded the worst case. The remaining spurious points are all below the limit value of 20dB.
(2) For AC power line conducted emissions and radiated emissions below 1 GHz test, the 2Mbps Channel 39 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 emissions 1-18GHz 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	1017.1005		
Frequency (MHz)	2402	2440	2480
1Mbps	Default	Default	Default
2Mbps	Default	Default	Default
500kbps(S=2)	Default	Default	Default
125kbps(S=8)	Default	Default	Default

3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.5 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.
A	Notebook	HW	WFH9	N/A
B	Adapter	Anker	A2678	AC24YF0D41311560

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

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. All 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.

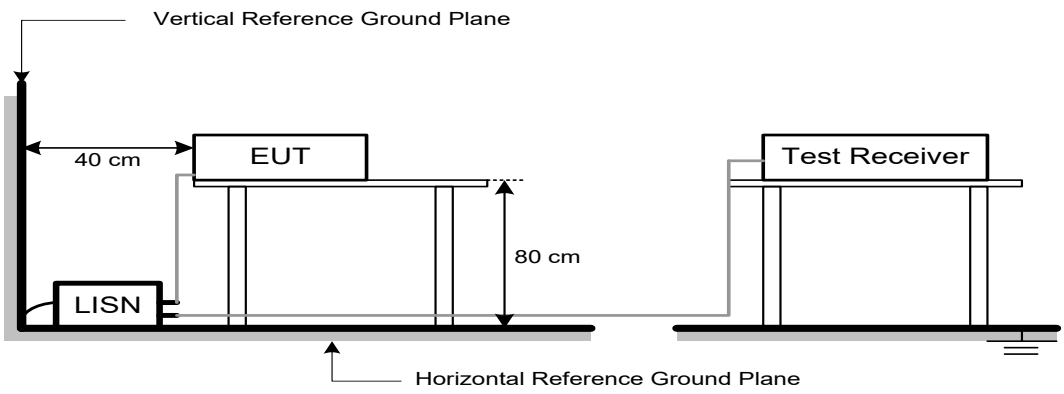
The following table is the setting of the receiver:

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

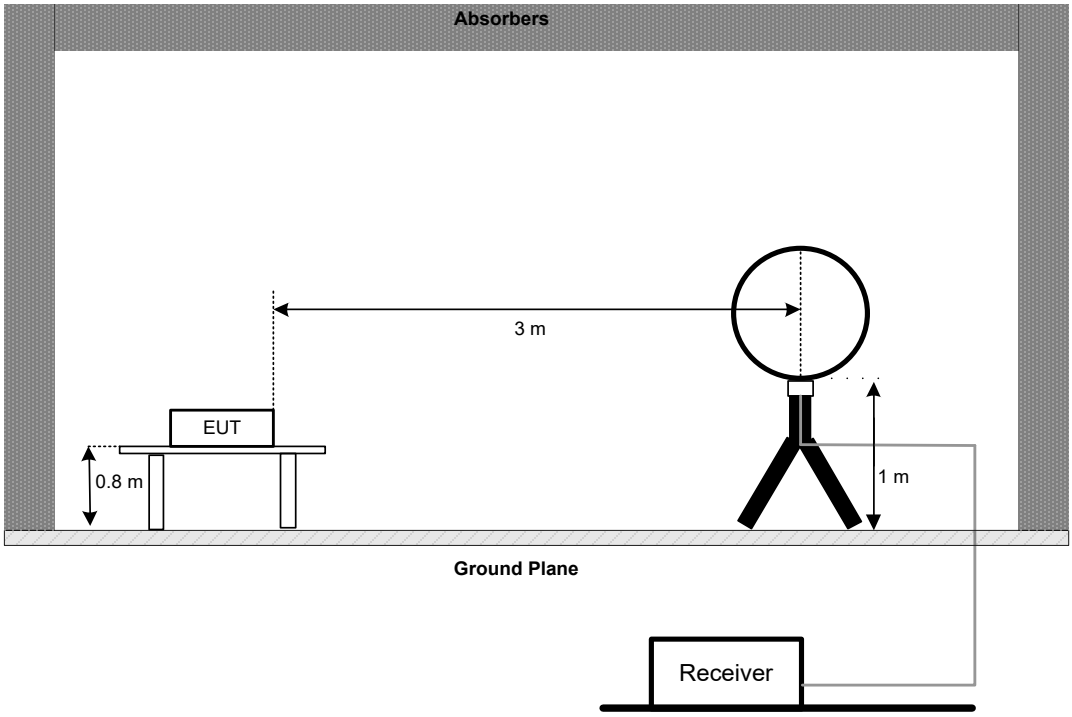
Spectrum Parameters	Setting
Start ~ Stop Frequency	9 kHz~90 kHz for PK/AVG detector
Start ~ Stop Frequency	90 kHz~110 kHz for QP detector
Start ~ Stop Frequency	110 kHz~490 kHz for PK/AVG detector
Start ~ Stop Frequency	490 kHz~30 MHz for QP detector
Start ~ Stop Frequency	30 MHz~1000 MHz for QP detector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

5.3 DEVIATION FROM TEST STANDARD

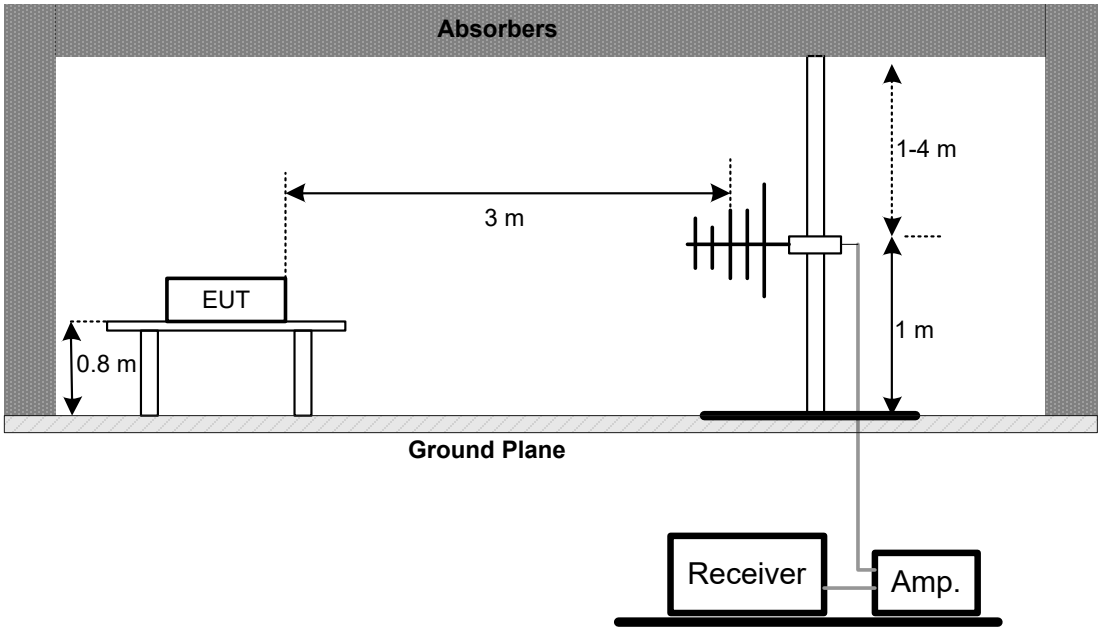
No deviation.

5.4 TEST SETUP

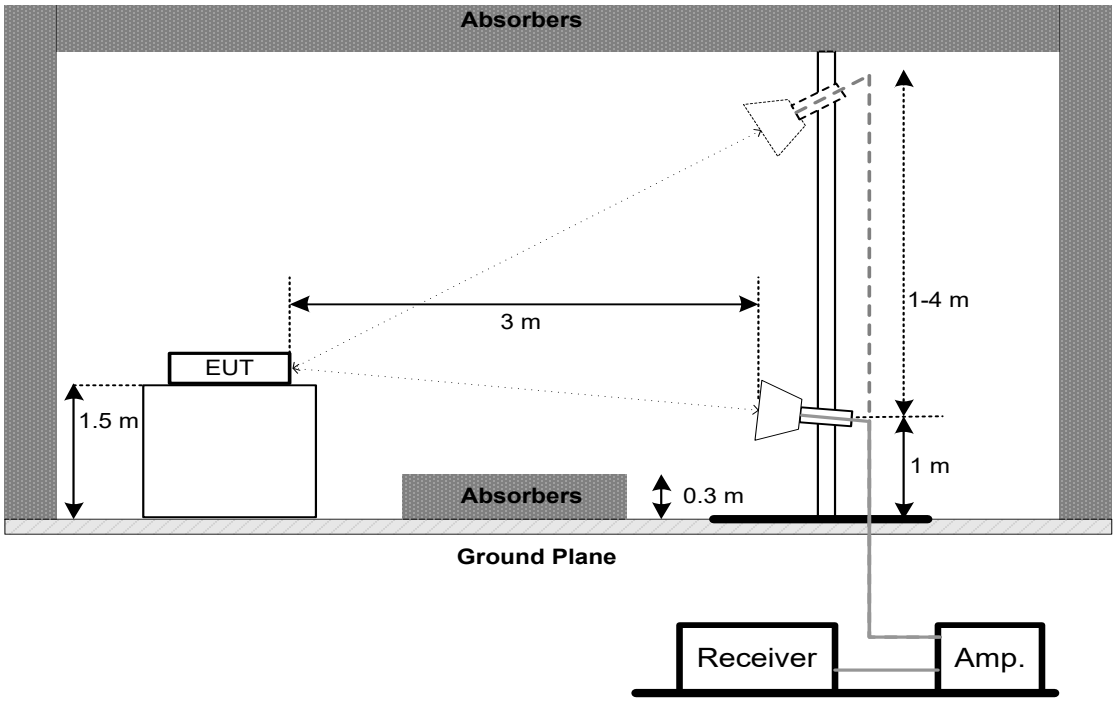
9 kHz to 30 MHz



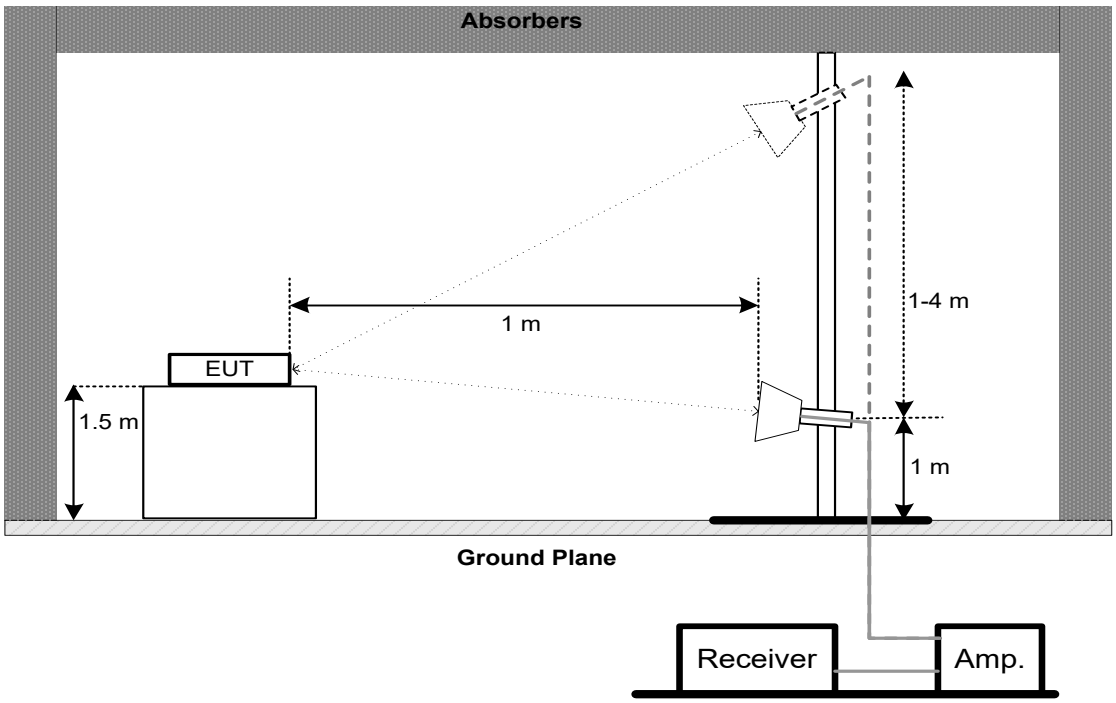
30 MHz to 1 GHz



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

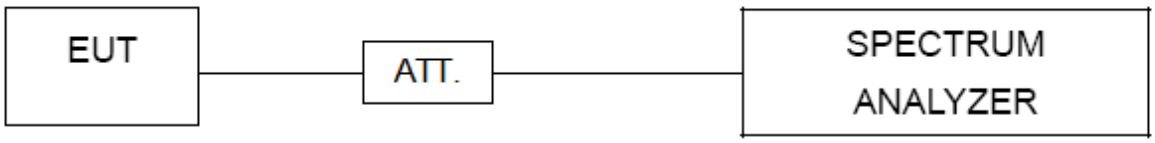
For 99% Emission Bandwidth:

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.

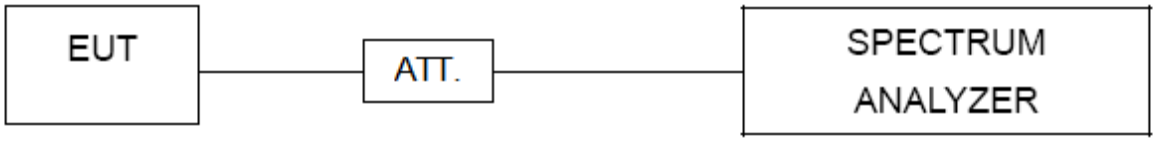
b. The following table is the setting of the spectrum analyzer:

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

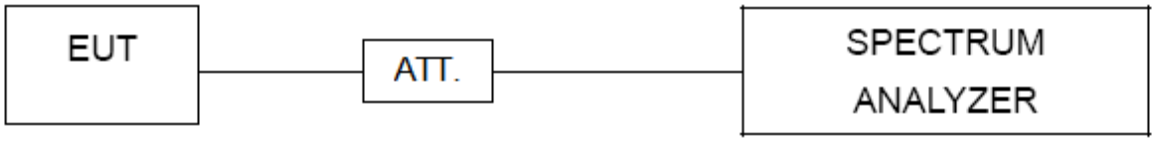
For Emission Level - Harmonic:

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

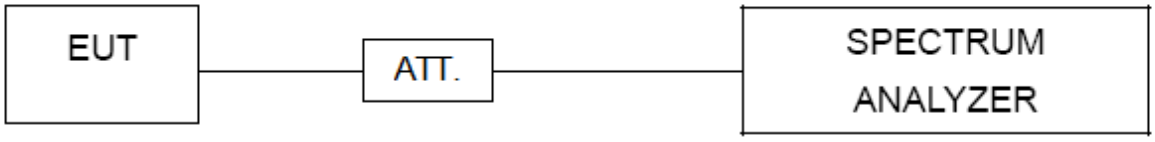
a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
b. The following table is the setting of the spectrum analyzer:

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: Jun. 17, 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	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
4	Cable	N/A	SFT205-NMNM-9M -001	9M	Jul. 08, 2026
5	643 Shield Room	ETS	6*4*3	N/A	N/A

Radiated Emissions - 9 kHz to 30 MHz (Test Date: Jun. 22, 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: Jun. 17, 2026)					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	1462	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: Jul. 25, 2026)					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Receiver	Agilent	N9038A	MY52130039	Apr. 25, 2027
2	Preamplifier	EMC INSTRUMENT	EMC118A45SE	980888	Oct. 17, 2026
3	Double Ridged Guide Antenna	ETS	3115	75846	Mar. 03, 2027
4	Cable	RegalWay	RWLP50-4.0A-SMSM-12.5M	N/A	Jul. 07, 2027
5	Cable	RegalWay	RWLP50-4.0A-NMRASM-2.5M	N/A	Jul. 07, 2027
6	Cable	RegalWay	RWLP50-4.0A-NMRASM-0.8M	N/A	Jul. 07, 2027
7	966 Chamber room	CM	9*6*6	N/A	May 14, 2027
8	Filter	STI	STI15-9912	N/A	May 16, 2027
9	Positioning Controller	MF	MF-7802	N/A	N/A
10	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
11	Attenuator	RegalWay	RWA-201-S-10	N/A	Apr. 25, 2027

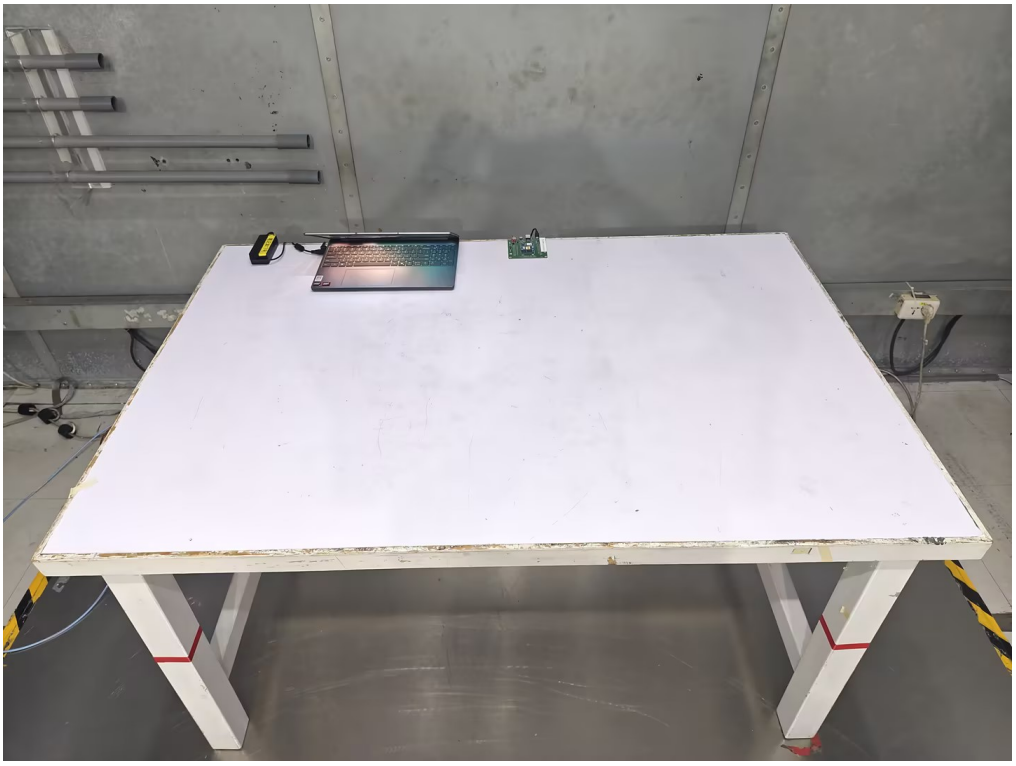
Radiated Emissions - Above 18 GHz (Test Date: Aug. 05, 2026)					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Cable	Tonscend	HF160-KMKM-0.5M	N/A	Oct. 21, 2026
2	Cable	Tonscend	HF160-KMKM-5M	N/A	Oct. 21, 2026
3	Pre-Amplifier	EMC INSTRUMENT	EMC184045SE	980409	Nov. 21, 2026
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: Jun. 26, 2026 ~ Aug. 13, 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.

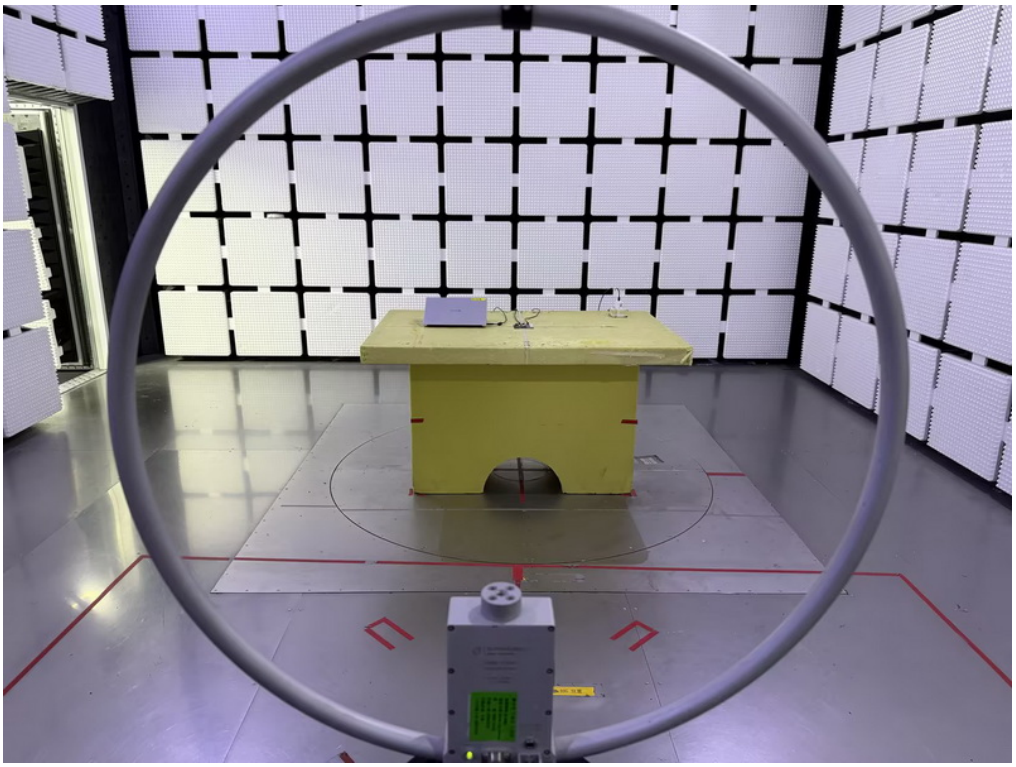
10.1. EUT TEST PHOTO

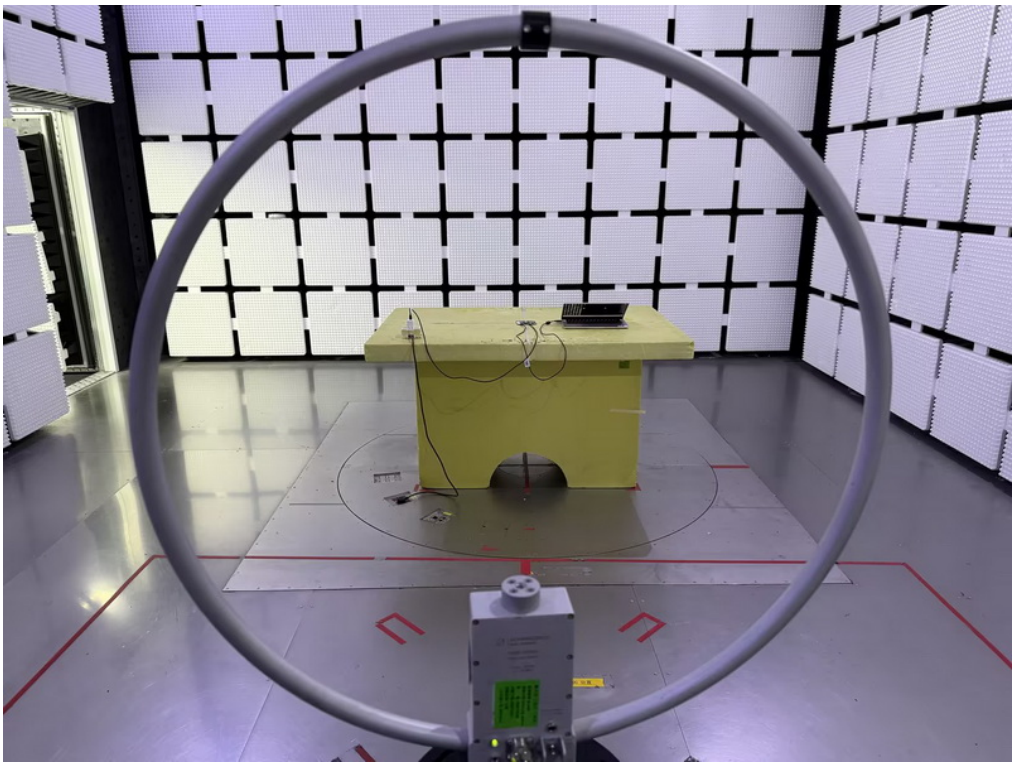
AC Power Line Conducted Emissions Test Photos



Radiated Emissions Test Photos

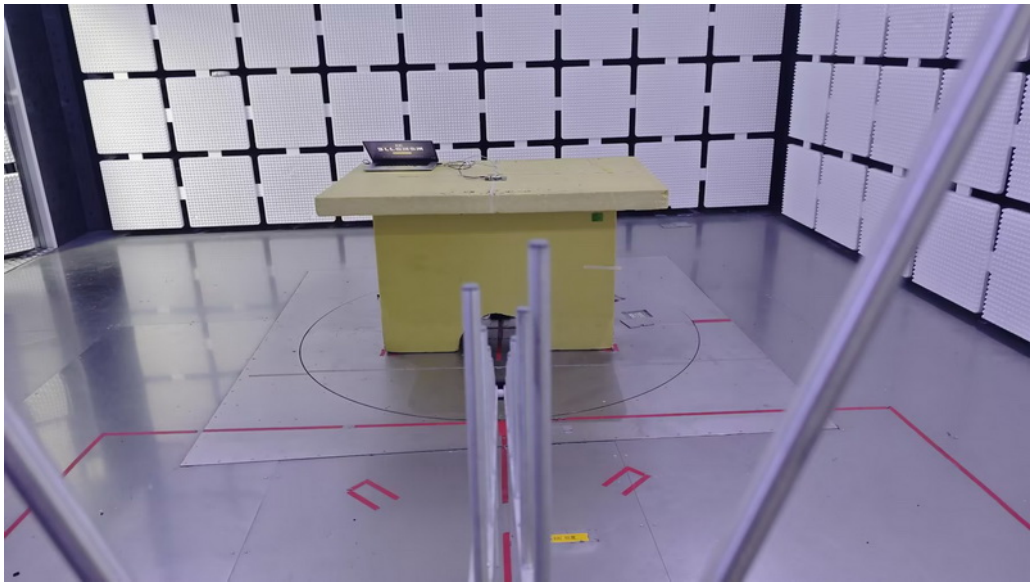
9 kHz to 30 MHz

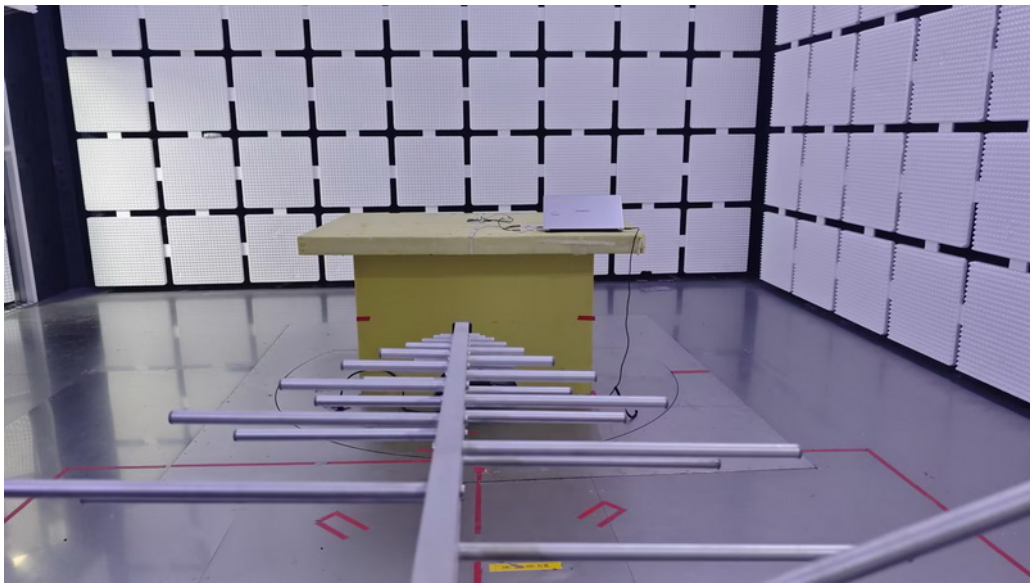




Radiated Emissions Test Photos

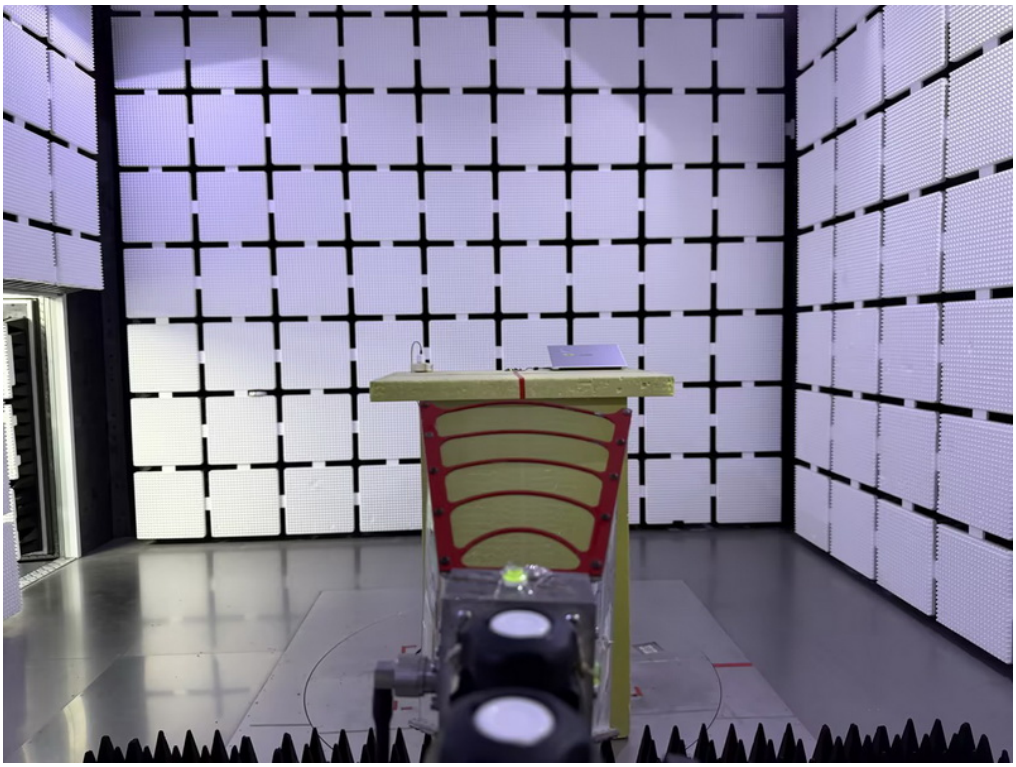
30 MHz to 1000 MHz

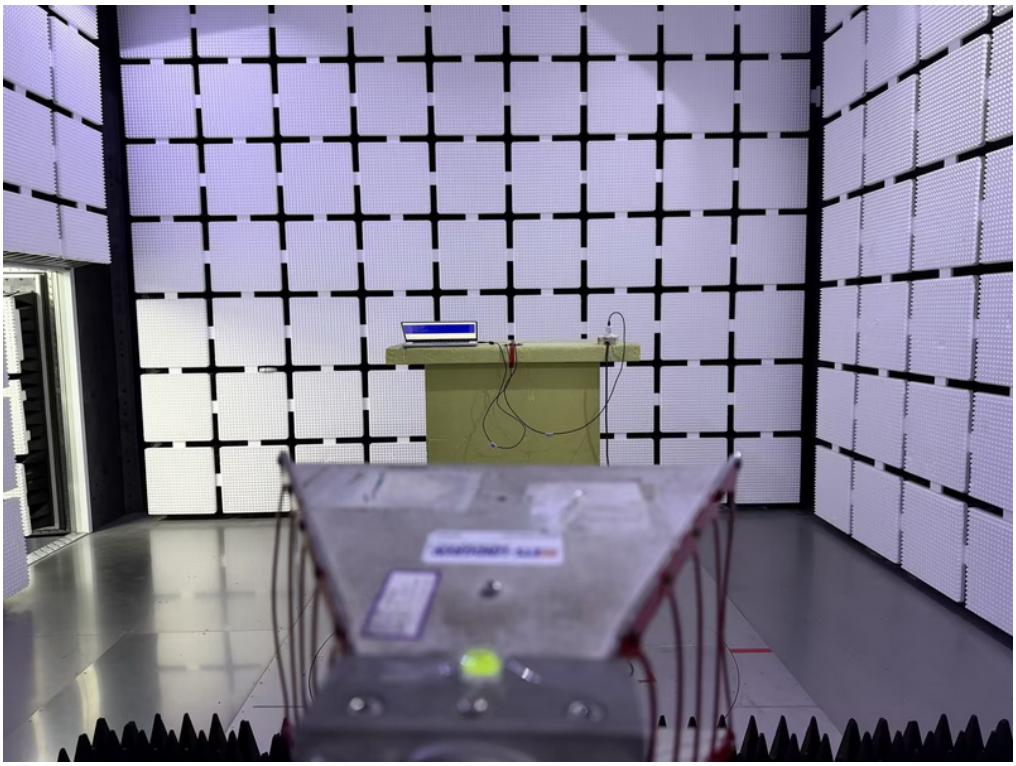




Radiated Emissions Test Photos

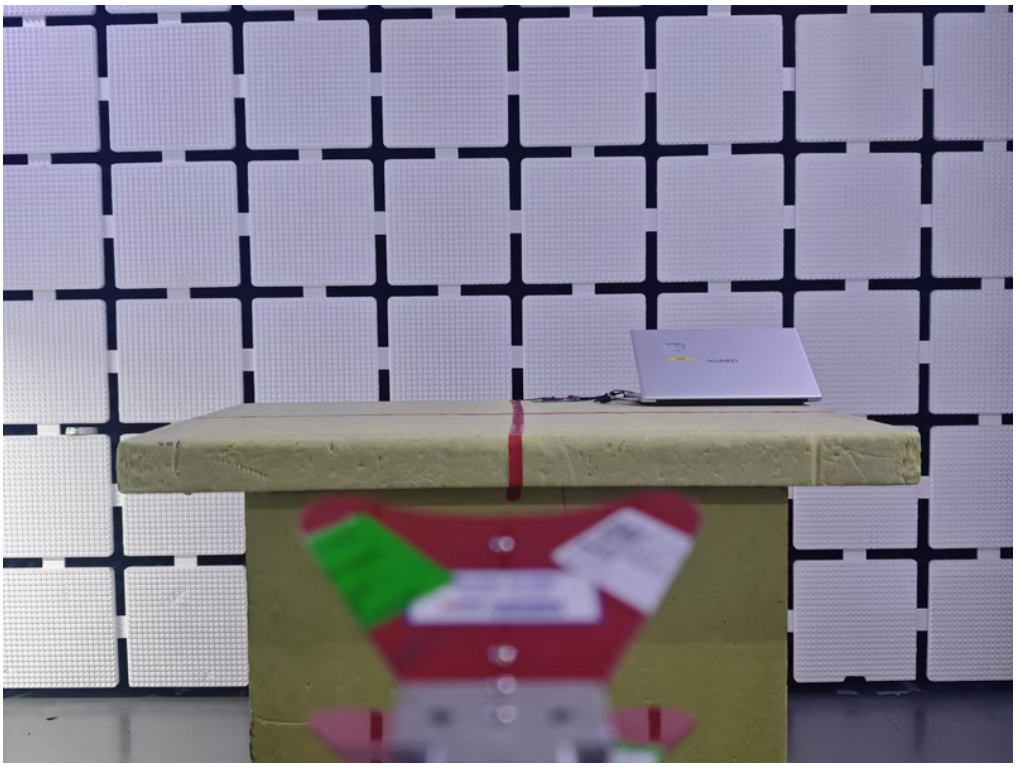
Band edge & Harmonic(1 GHz to 18 GHz)

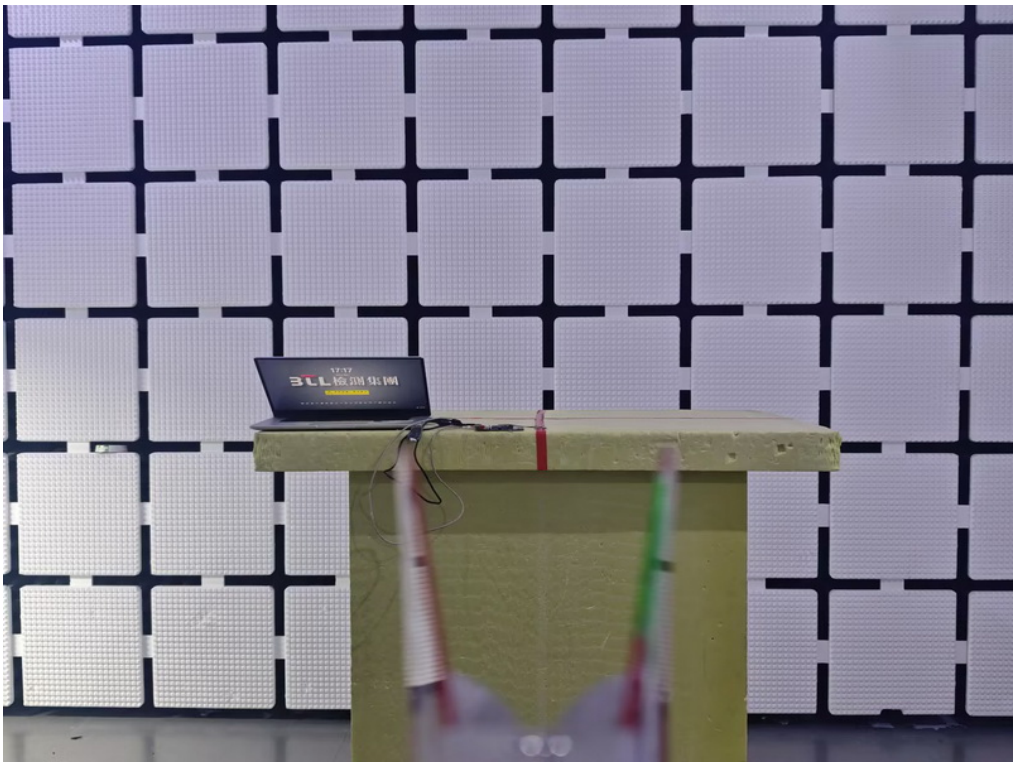




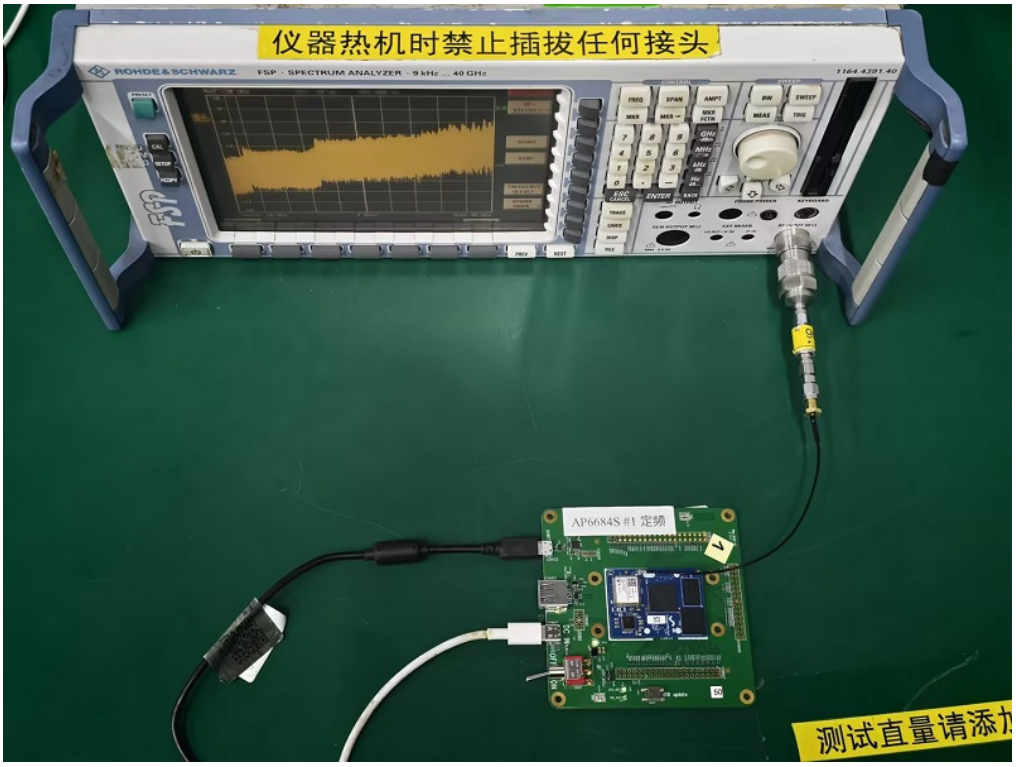
Radiated Emissions Test Photos

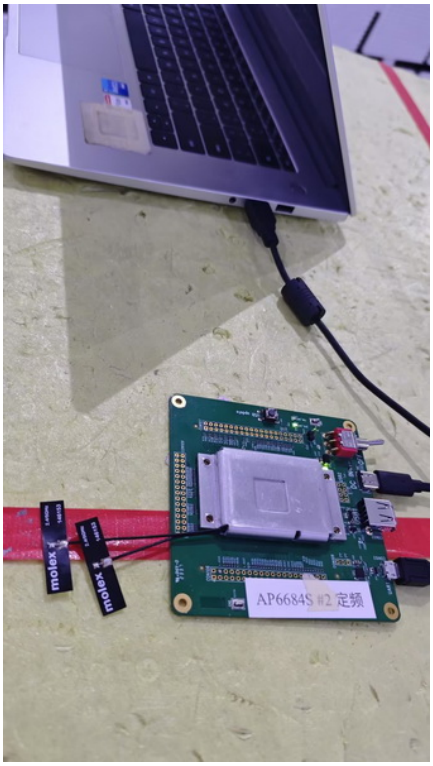
Harmonic(18 GHz to 26.5 GHz)





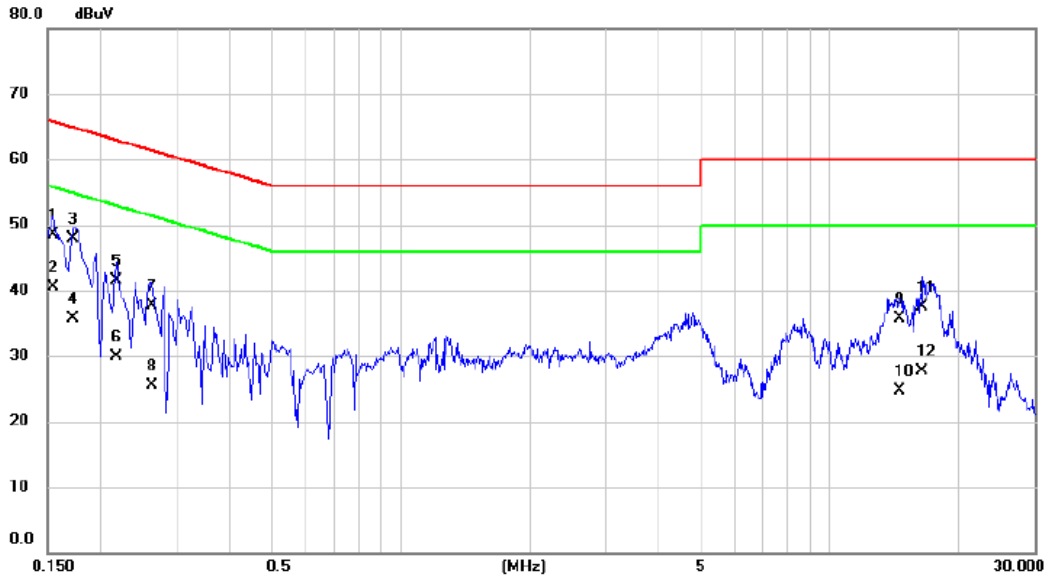
Conducted Test Photos




molex
molex
AP6684S #2 定频

APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

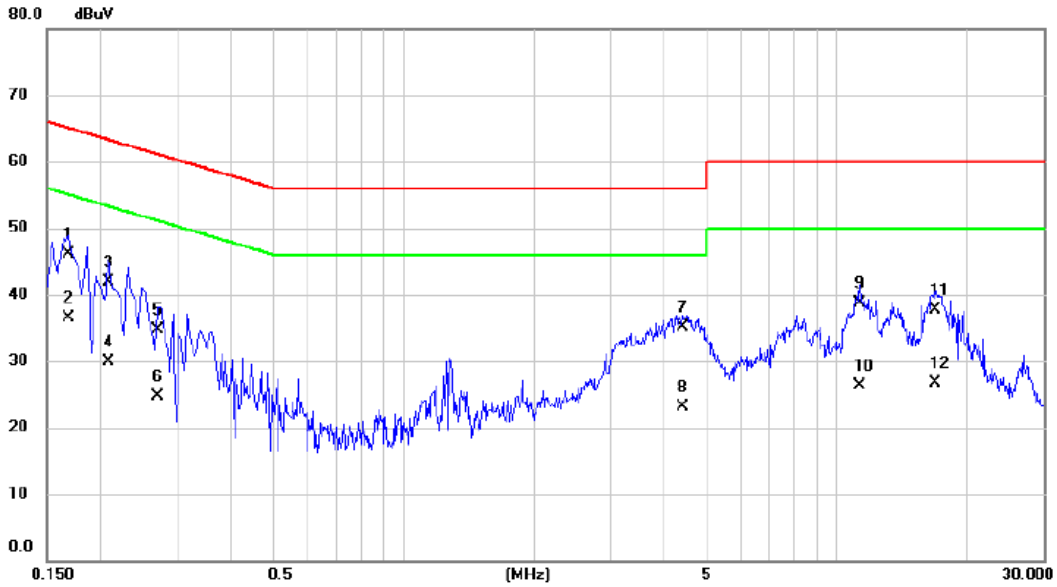
Test Mode	TX Mode_2Mbps Channel 39	Phase	Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1544	38.20	10.32	48.52	65.76	-17.24	QP	
2	*	0.1544	30.10	10.32	40.42	55.76	-15.34	AVG	
3		0.1724	37.50	10.33	47.83	64.84	-17.01	QP	
4		0.1724	25.40	10.33	35.73	54.84	-19.11	AVG	
5		0.2174	31.20	10.36	41.56	62.92	-21.36	QP	
6		0.2174	19.60	10.36	29.96	52.92	-22.96	AVG	
7		0.2625	27.40	10.38	37.78	61.35	-23.57	QP	
8		0.2625	15.20	10.38	25.58	51.35	-25.77	AVG	
9		14.5724	23.10	12.70	35.80	60.00	-24.20	QP	
10		14.5724	12.00	12.70	24.70	50.00	-25.30	AVG	
11		16.3994	24.30	13.15	37.45	60.00	-22.55	QP	
12		16.3994	14.50	13.15	27.65	50.00	-22.35	AVG	

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

Test Mode	TX Mode_2Mbps Channel 39	Phase	Neutral

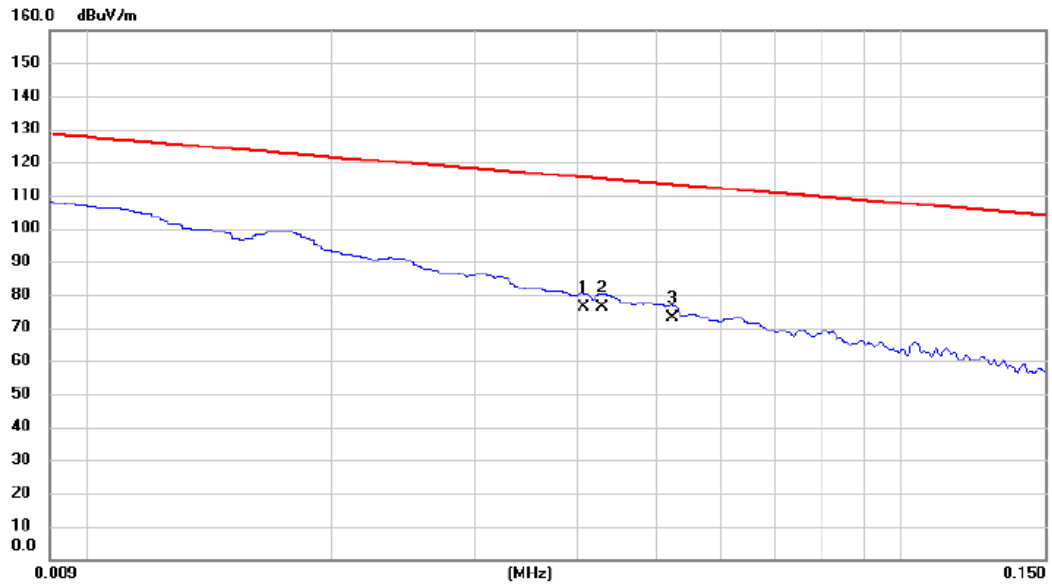


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1680	35.70	10.38	46.08	65.06	-18.98	QP	
2	*	0.1680	26.20	10.38	36.58	55.06	-18.48	AVG	
3		0.2084	31.50	10.39	41.89	63.27	-21.38	QP	
4		0.2084	19.60	10.39	29.99	53.27	-23.28	AVG	
5		0.2714	24.30	10.41	34.71	61.07	-26.36	QP	
6		0.2714	14.20	10.41	24.61	51.07	-26.46	AVG	
7		4.4115	24.30	10.87	35.17	56.00	-20.83	QP	
8		4.4115	12.30	10.87	23.17	46.00	-22.83	AVG	
9		11.2920	26.80	11.98	38.78	60.00	-21.22	QP	
10		11.2920	14.30	11.98	26.28	50.00	-23.72	AVG	
11		16.8313	24.30	13.47	37.77	60.00	-22.23	QP	
12		16.8313	13.20	13.47	26.67	50.00	-23.33	AVG	

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

APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ

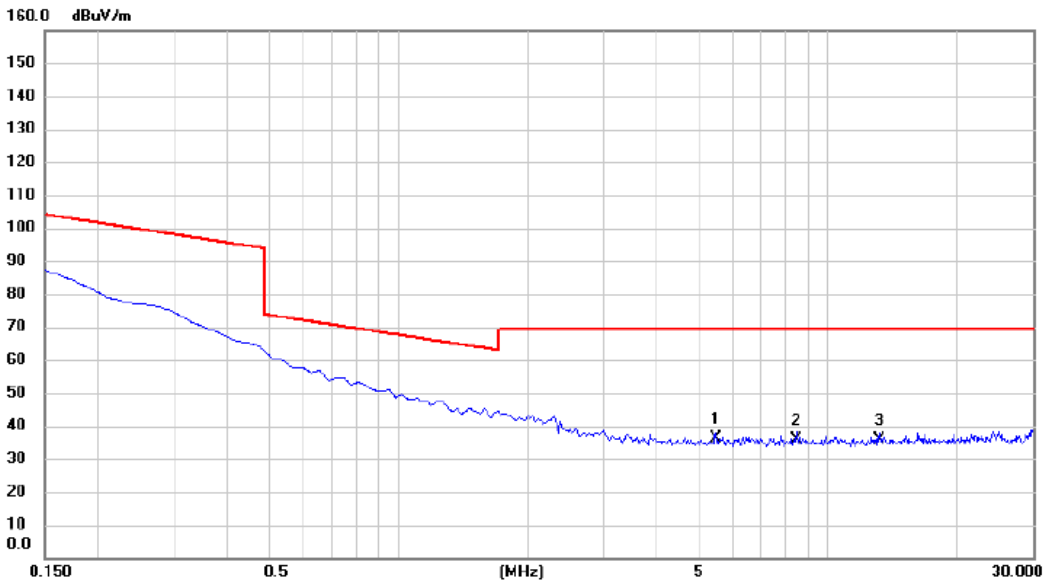
Test Mode	TX Mode_2Mbps Channel 39	Polarization	Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.041	55.78	20.60	76.38	115.41	-39.03	AVG	
2	*	0.043	55.49	20.62	76.11	114.94	-38.83	AVG	
3		0.052	52.31	20.64	72.95	113.23	-40.28	AVG	

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

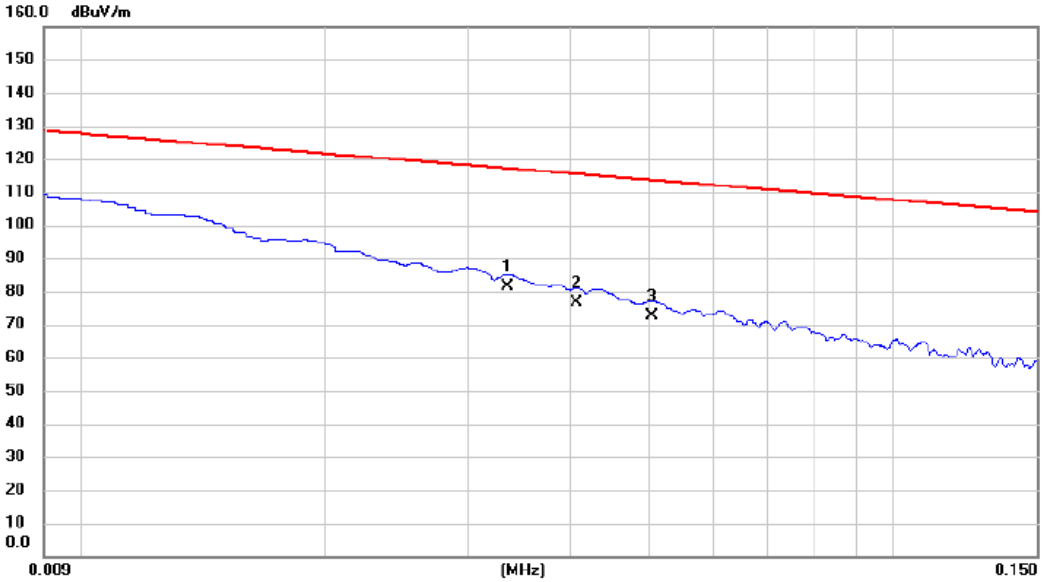
Test Mode	TX Mode_2Mbps Channel 39	Polarization	Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5.493	15.67	20.38	36.05	69.54	-33.49	QP	
2		8.448	15.42	20.48	35.90	69.54	-33.64	QP	
3		13.165	15.39	20.36	35.75	69.54	-33.79	QP	

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

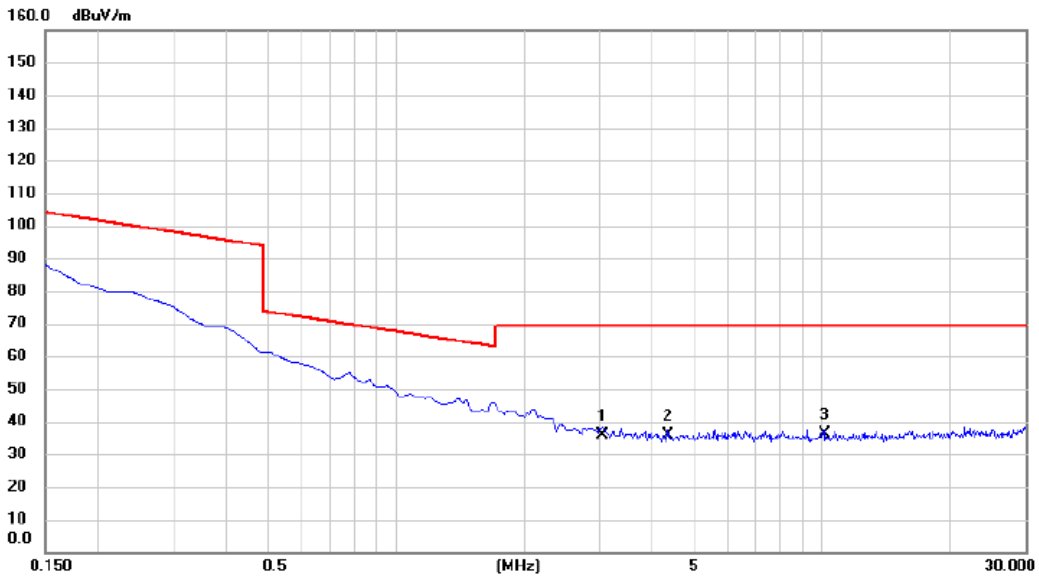
Test Mode	TX Mode_2Mbps Channel 39	Polarization	Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.034	60.73	20.57	81.30	117.10	-35.80	AVG	
2		0.041	56.14	20.60	76.74	115.41	-38.67	AVG	
3		0.051	52.04	20.65	72.69	113.54	-40.85	AVG	

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

Test Mode	TX Mode_2Mbps Channel 39	Polarization	Ant 90°

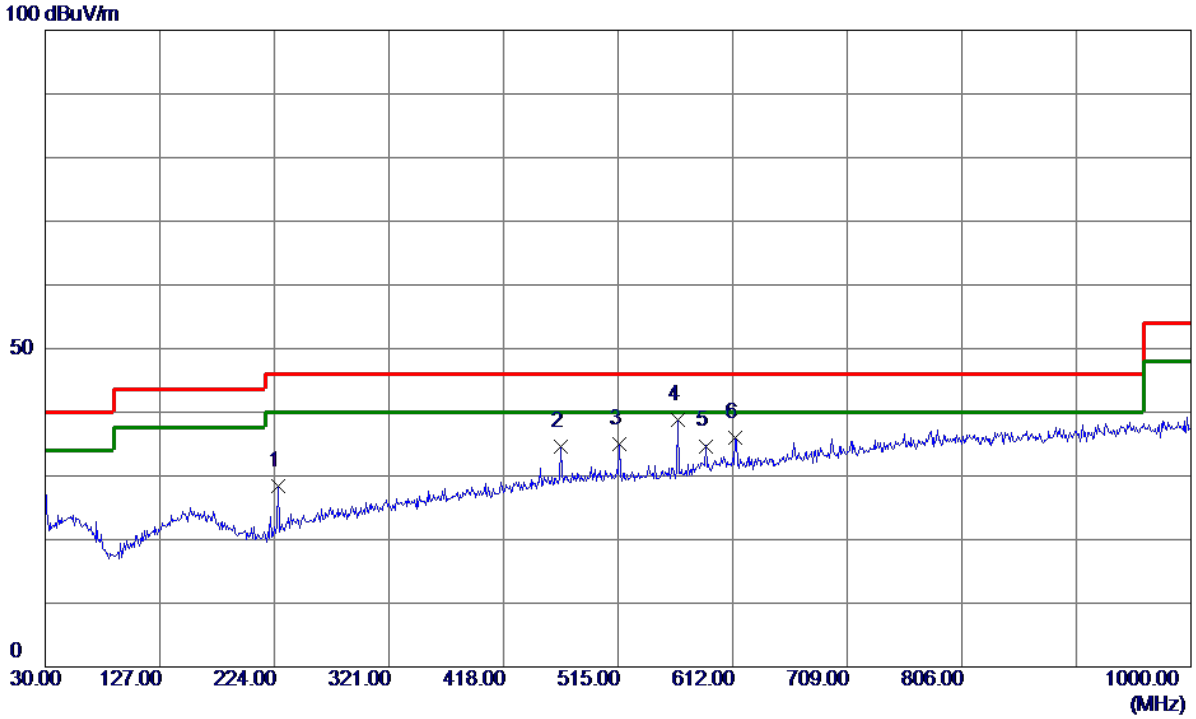


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		3.046	15.37	20.34	35.71	69.54	-33.83	QP	
2		4.359	15.29	20.35	35.64	69.54	-33.90	QP	
3	*	10.120	15.75	20.48	36.23	69.54	-33.31	QP	

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

APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ

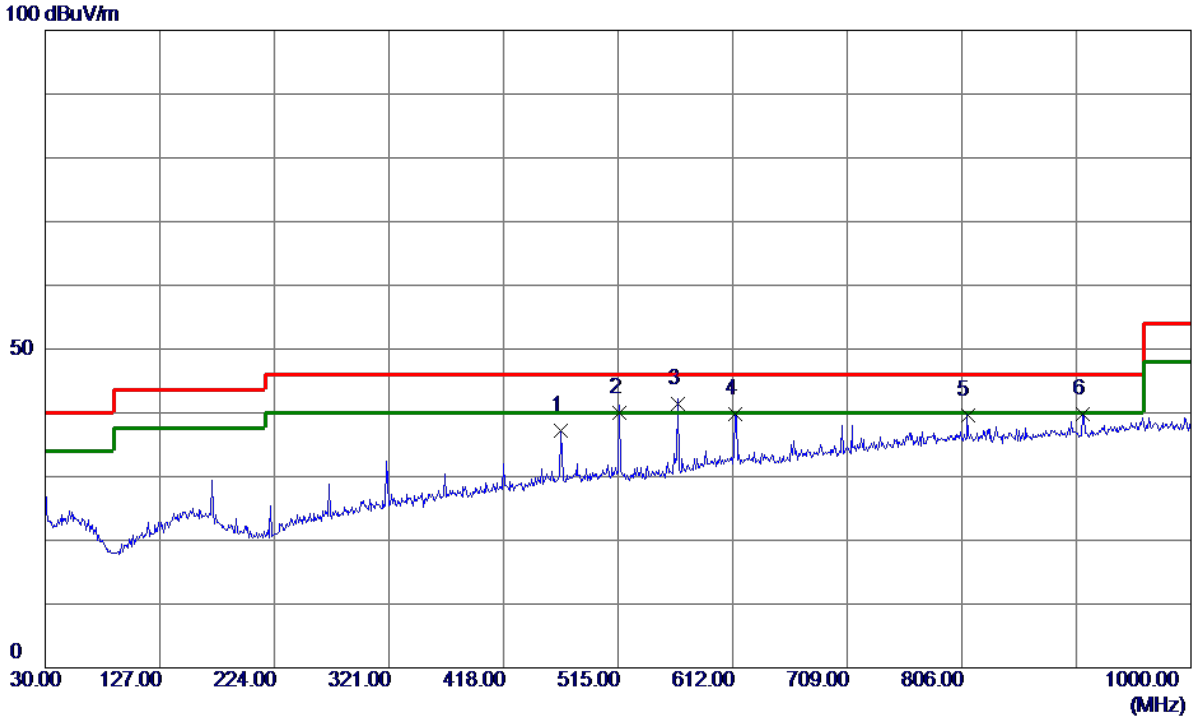
Test Mode	TX Mode_2Mbps Channel 39	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	226.9100	42.24	-13.92	28.32	46.02	-17.70	Peak	
2	466.5000	41.09	-6.41	34.68	46.02	-11.34	Peak	
3	515.9699	40.68	-5.72	34.96	46.02	-11.06	Peak	
4 *	565.4400	43.44	-4.73	38.71	46.02	-7.31	Peak	
5	589.6900	38.60	-3.90	34.70	46.02	-11.32	Peak	
6	613.9400	39.50	-3.49	36.01	46.02	-10.01	Peak	

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

Test Mode	TX Mode_2Mbps Channel 39	Polarization	Horizontal

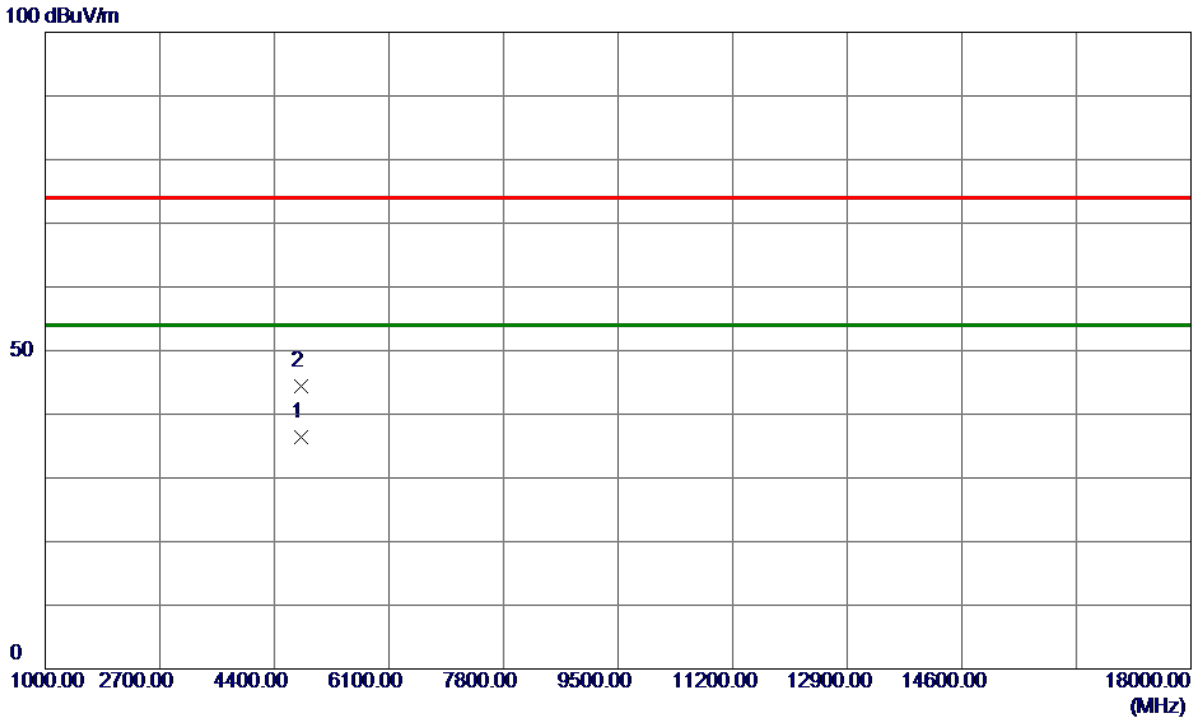


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	466.5000	43.63	-6.41	37.22	46.02	-8.80	Peak	
2	515.9699	45.70	-5.72	39.98	46.02	-6.04	QP	
3 *	565.4400	46.05	-4.73	41.32	46.02	-4.70	QP	
4	613.9400	43.20	-3.49	39.71	46.02	-6.31	Peak	
5	810.8500	40.24	-0.59	39.65	46.02	-6.37	Peak	
6	908.8200	39.94	-0.10	39.84	46.02	-6.18	Peak	

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

APPENDIX D - RADIATED EMISSION - ABOVE 1000 MHZ

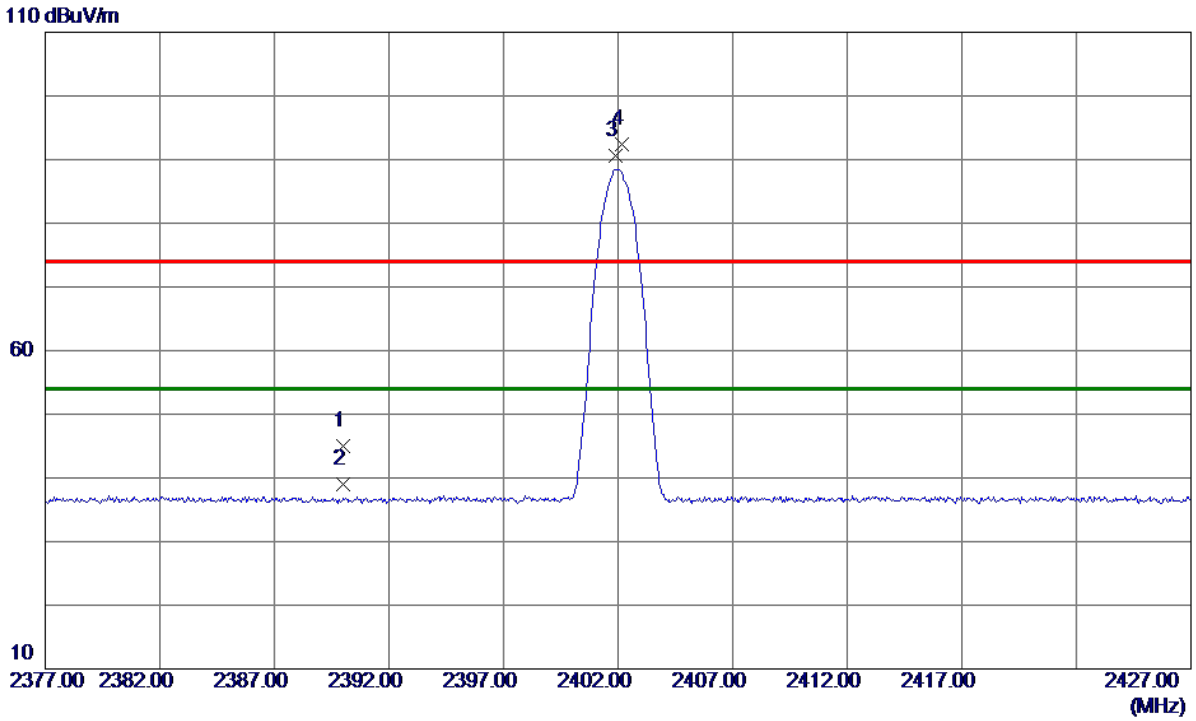
Test Mode	TX 2402 MHz_CH00_1Mbps	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4803.5950	33.71	2.72	36.43	54.00	-17.57	AVG	
2	4804.4000	41.60	2.72	44.32	74.00	-29.68	Peak	

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

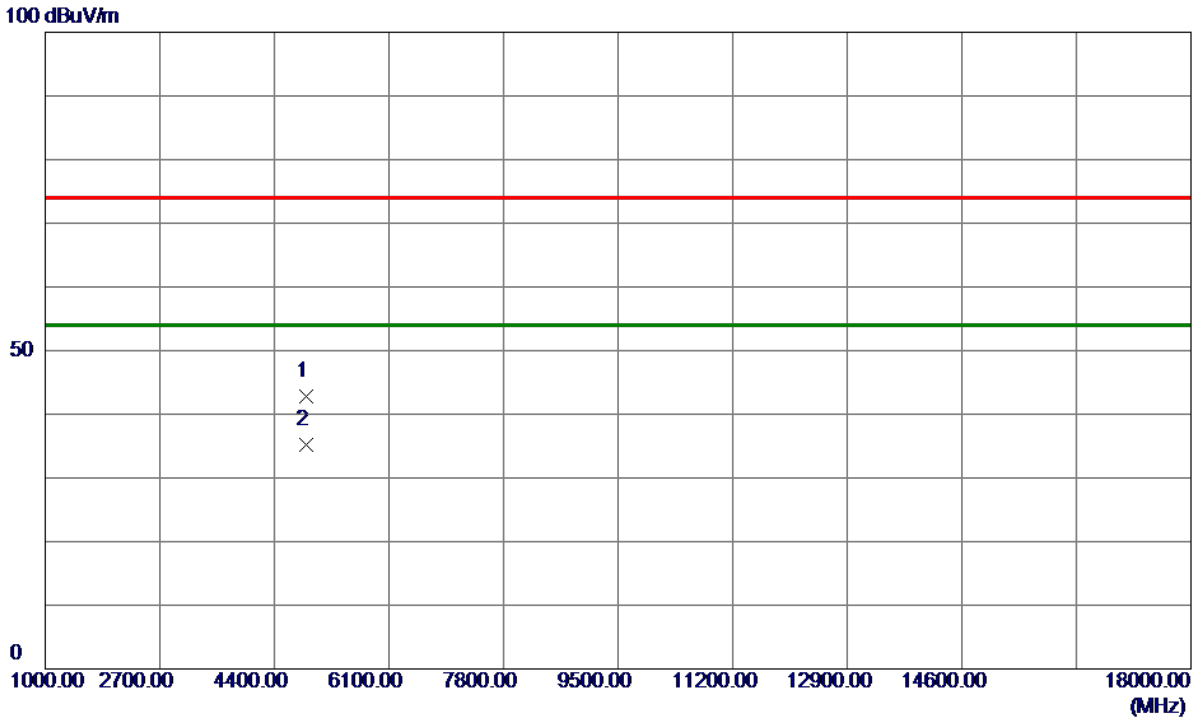
Test Mode	TX 2402 MHz_CH00_1Mbps	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	37.71	7.22	44.93	74.00	-29.07	Peak	
2	2390.0000	31.69	7.22	38.91	54.00	-15.09	AVG	
3 *	2401.9000	83.44	7.21	90.65	54.00	36.65	AVG	No Limit
4	2402.1500	85.18	7.21	92.39	74.00	18.39	Peak	No Limit

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

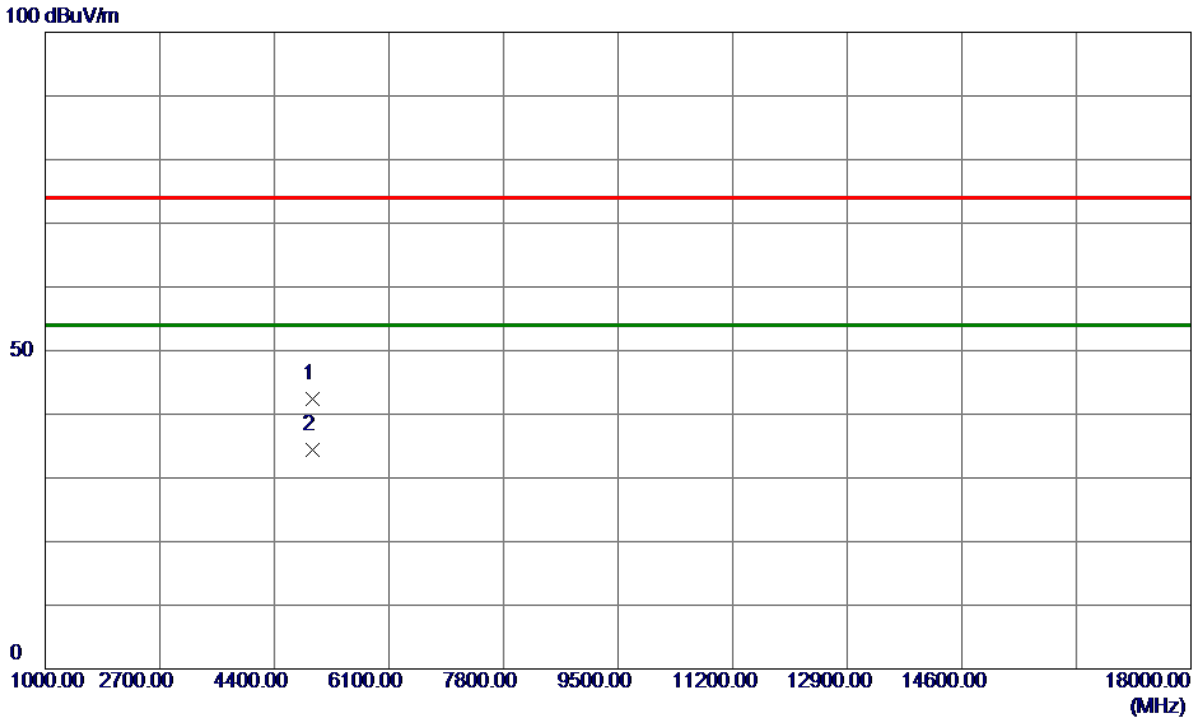
Test Mode	TX 2440 MHz_CH19_1Mbps	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4879.3400	39.76	2.97	42.73	74.00	-31.27	Peak	
2 *	4880.0200	32.20	2.97	35.17	54.00	-18.83	AVG	

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

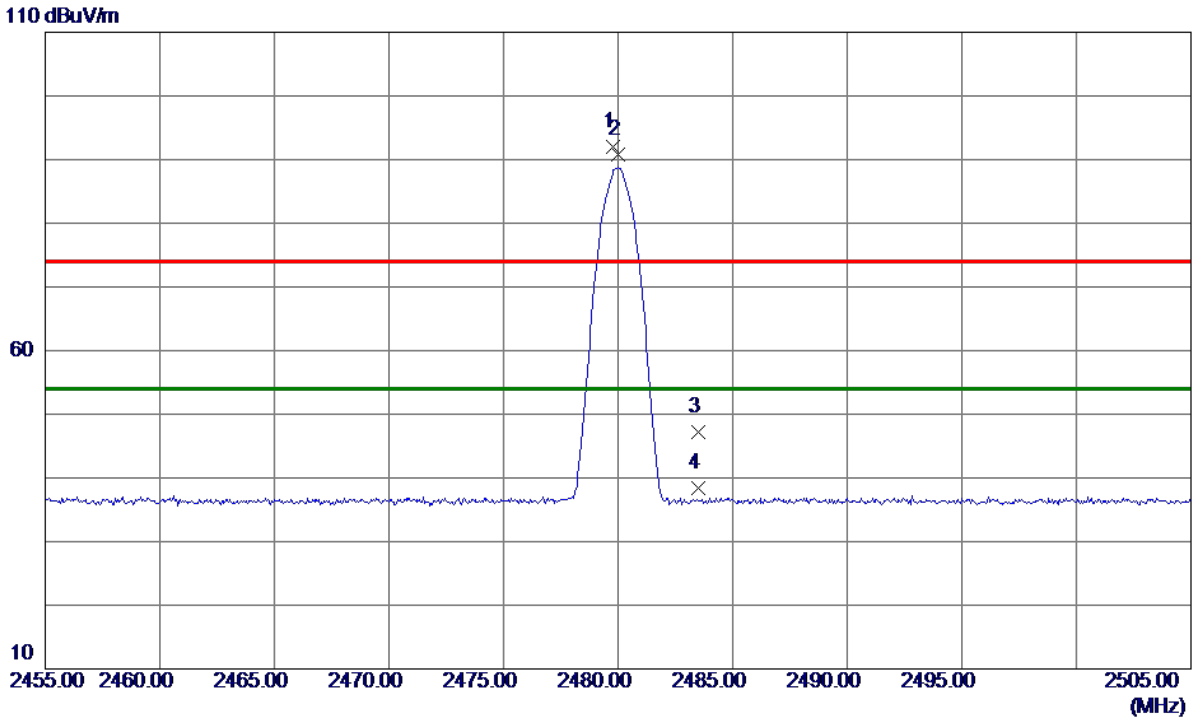
Test Mode	TX 2480 MHz_CH39_1Mbps	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4958.3050	39.08	3.23	42.31	74.00	-31.69	Peak	
2 *	4959.5700	31.16	3.24	34.40	54.00	-19.60	AVG	

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

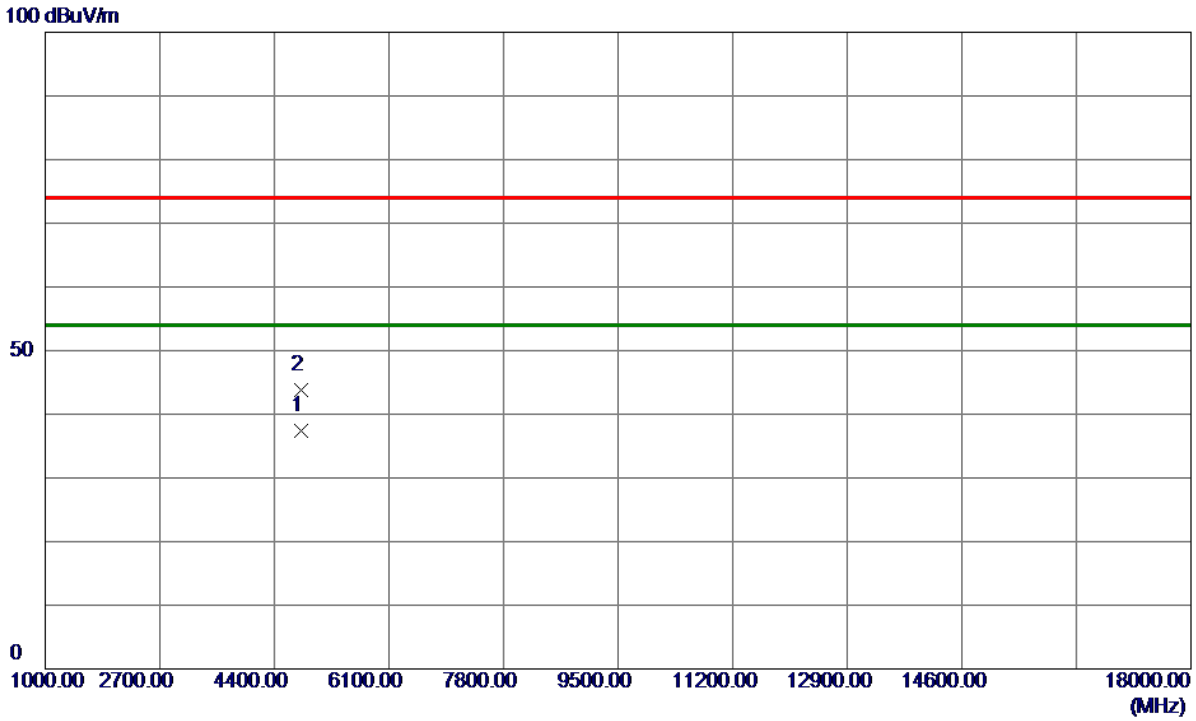
Test Mode	TX 2480 MHz_CH39_1Mbps	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2479.8000	84.76	7.17	91.93	74.00	17.93	Peak	No Limit
2 *	2480.0000	83.72	7.17	90.89	54.00	36.89	AVG	No Limit
3	2483.5000	40.03	7.17	47.20	74.00	-26.80	Peak	
4	2483.5000	31.29	7.17	38.46	54.00	-15.54	AVG	

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

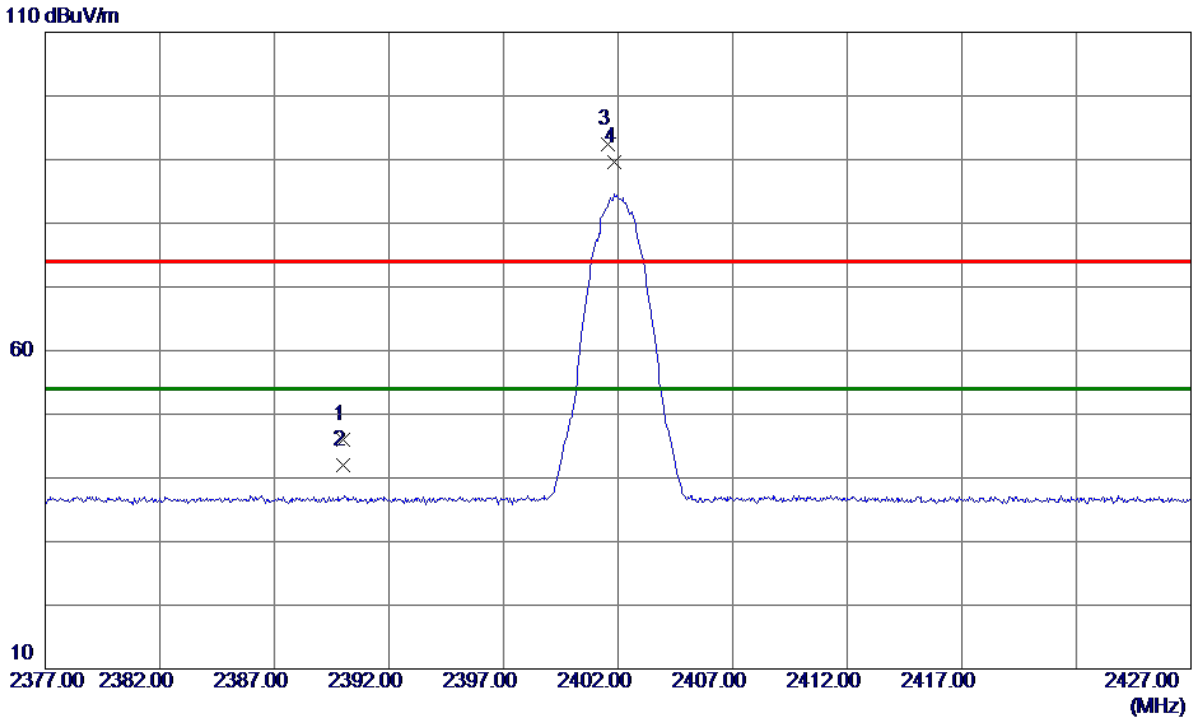
Test Mode	TX 2402 MHz_CH00_2Mbps	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4802.9650	34.64	2.72	37.36	54.00	-16.64	AVG	
2	4804.9400	41.09	2.73	43.82	74.00	-30.18	Peak	

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

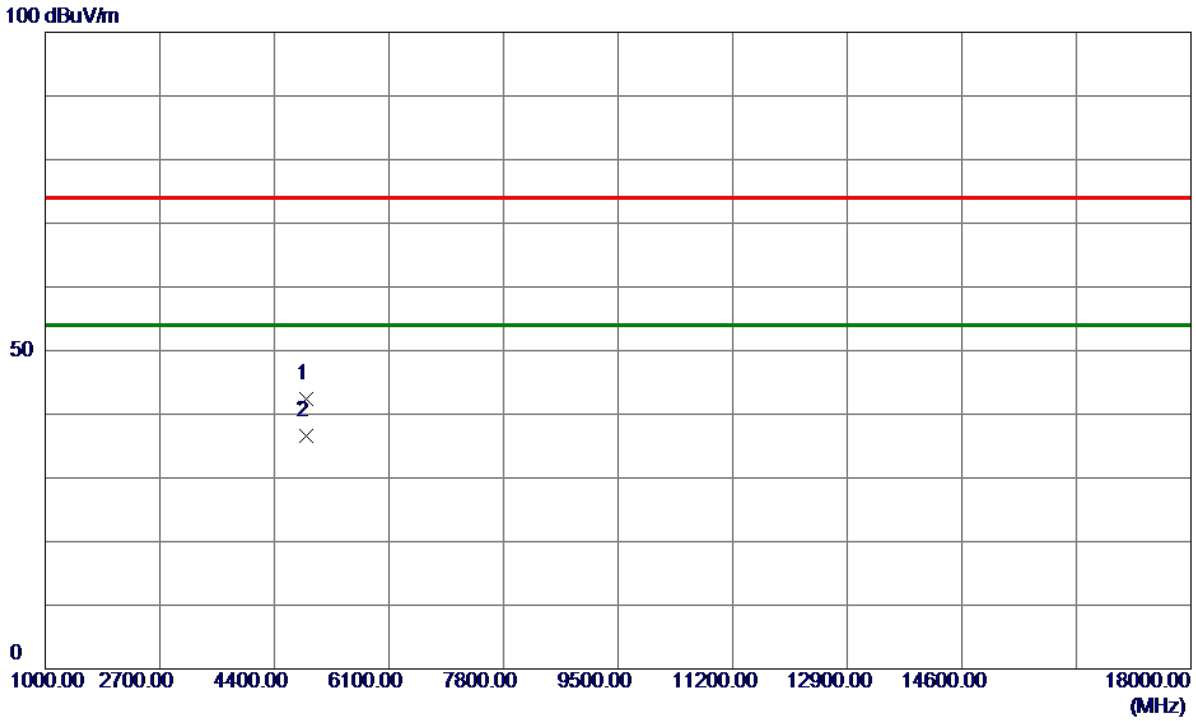
Test Mode	TX 2402 MHz_CH00_2Mbps	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	38.71	7.22	45.93	74.00	-28.07	Peak	
2	2390.0000	34.72	7.22	41.94	54.00	-12.06	AVG	
3	2401.5500	85.20	7.21	92.41	74.00	18.41	Peak	No Limit
4 *	2401.8500	82.38	7.21	89.59	54.00	35.59	AVG	No Limit

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

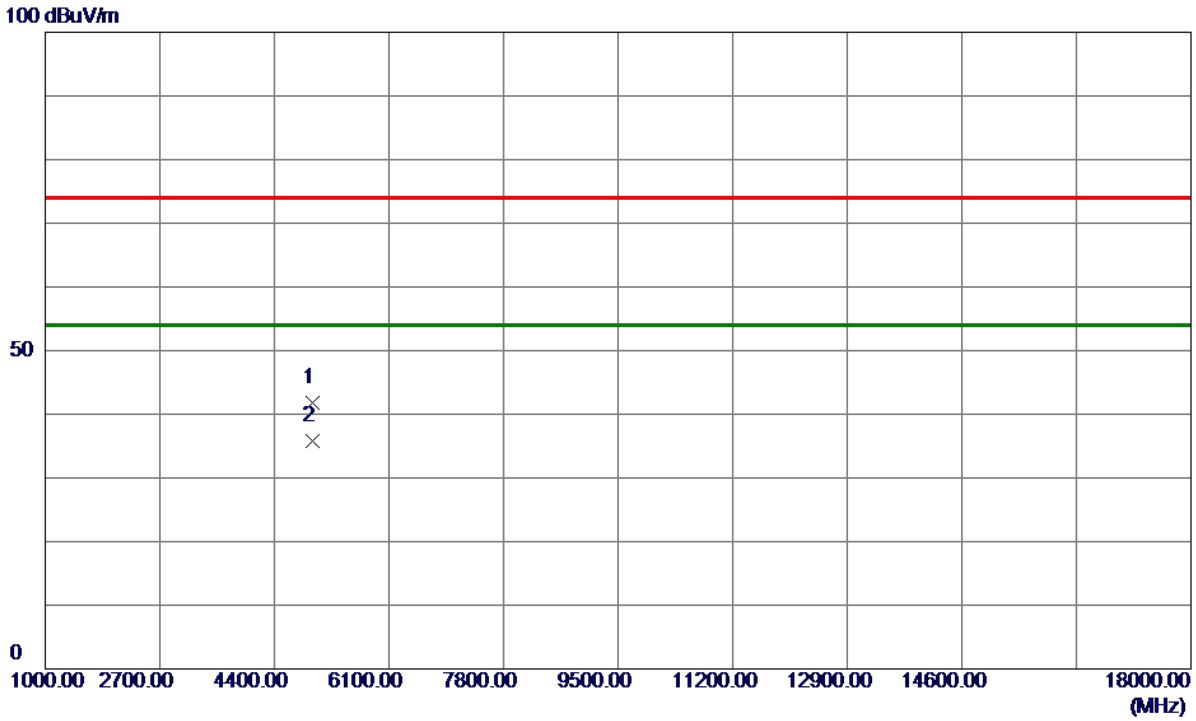
Test Mode	TX 2440 MHz_CH19_2Mbps	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4880.6450	39.38	2.98	42.36	74.00	-31.64	Peak	
2 *	4881.0150	33.54	2.98	36.52	54.00	-17.48	AVG	

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

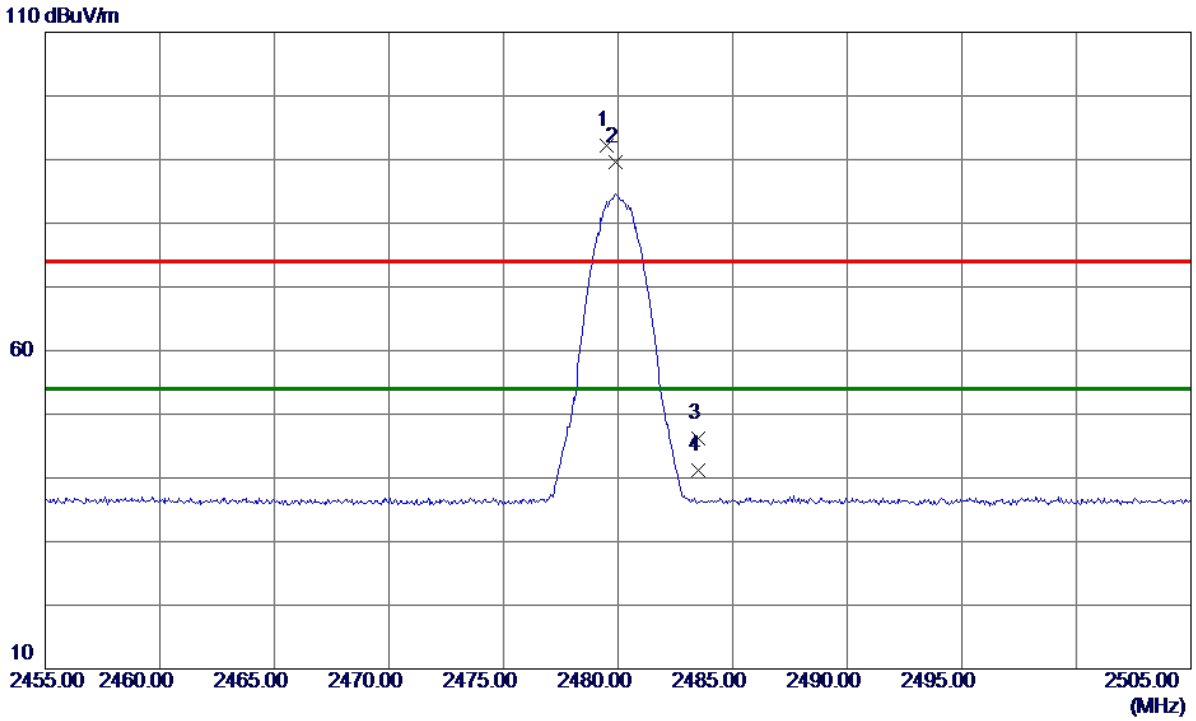
Test Mode	TX 2480 MHz_CH39_2Mbps	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4958.6950	38.63	3.23	41.86	74.00	-32.14	Peak	
2 *	4959.4100	32.62	3.24	35.86	54.00	-18.14	AVG	

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

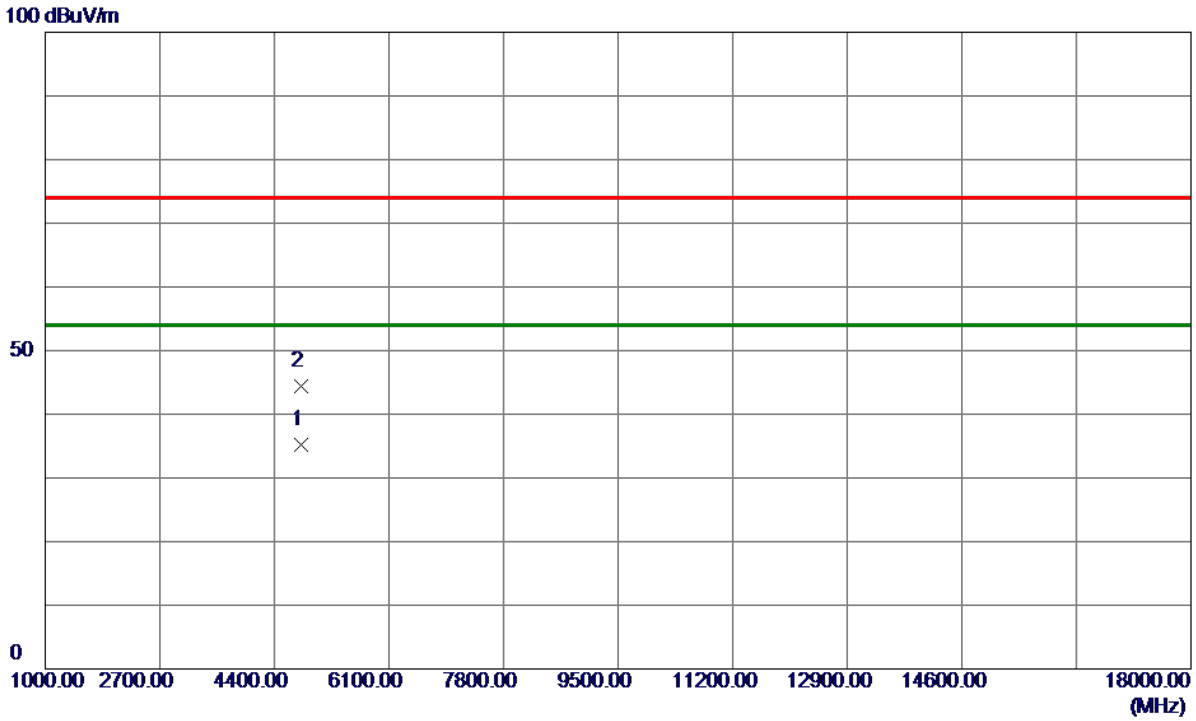
Test Mode	TX 2480 MHz_CH39_2Mbps	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2479.5000	84.96	7.17	92.13	74.00	18.13	Peak	No Limit
2 *	2479.9000	82.47	7.17	89.64	54.00	35.64	AVG	No Limit
3	2483.5000	38.97	7.17	46.14	74.00	-27.86	Peak	
4	2483.5000	34.05	7.17	41.22	54.00	-12.78	AVG	

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

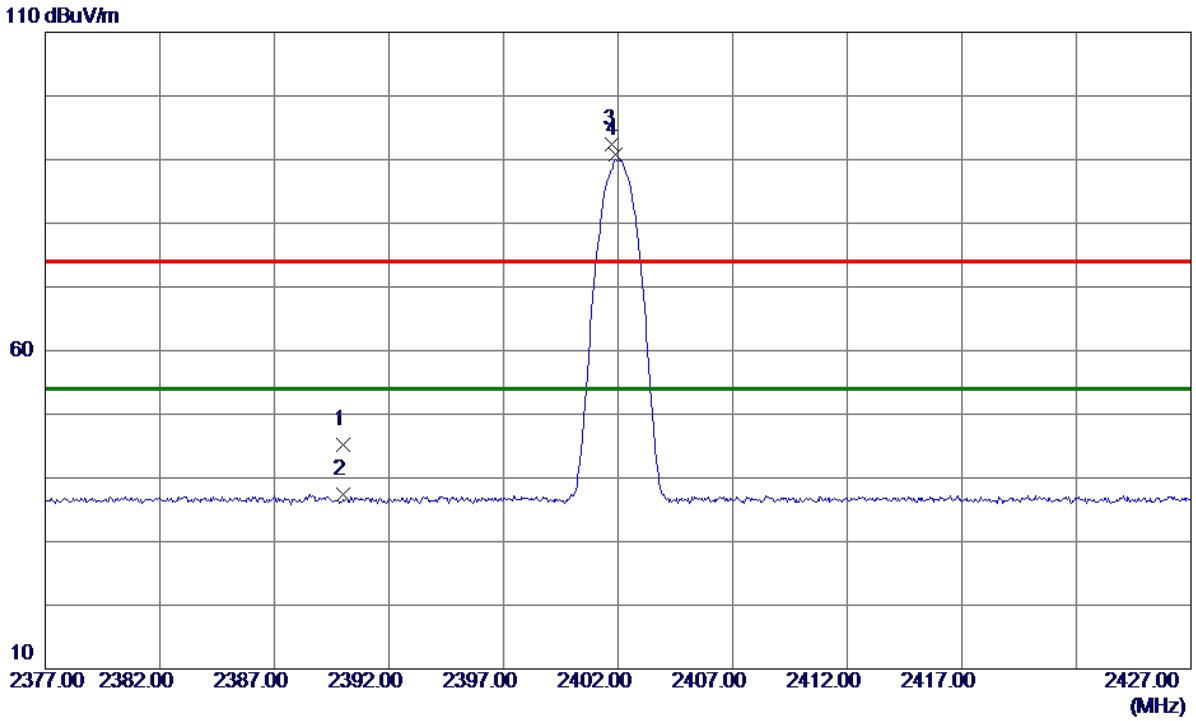
Test Mode	TX 2402 MHz_CH00_500kbps(S=2)	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4804.0500	32.50	2.72	35.22	54.00	-18.78	AVG	
2	4804.4650	41.59	2.72	44.31	74.00	-29.69	Peak	

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

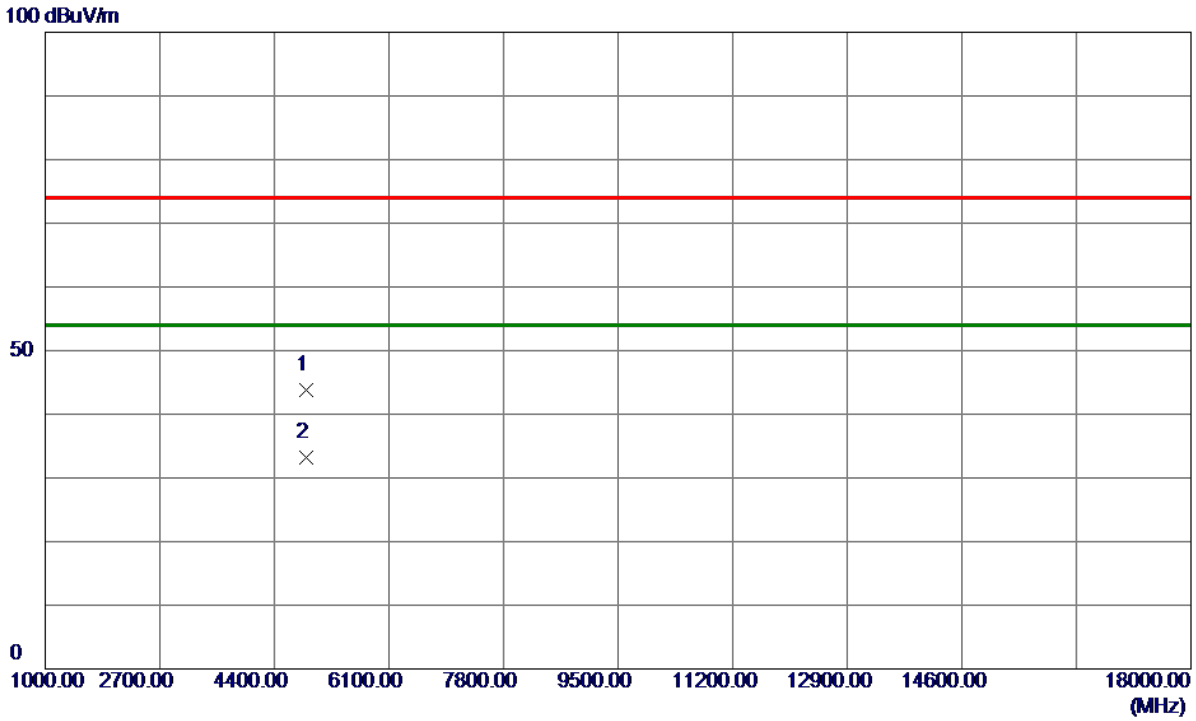
Test Mode	TX 2402 MHz_CH00_500kbps(S=2)	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	38.05	7.22	45.27	74.00	-28.73	Peak	
2	2390.0000	30.22	7.22	37.44	54.00	-16.56	AVG	
3	2401.7500	85.21	7.21	92.42	74.00	18.42	Peak	No Limit
4 *	2401.9000	83.61	7.21	90.82	54.00	36.82	AVG	No Limit

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

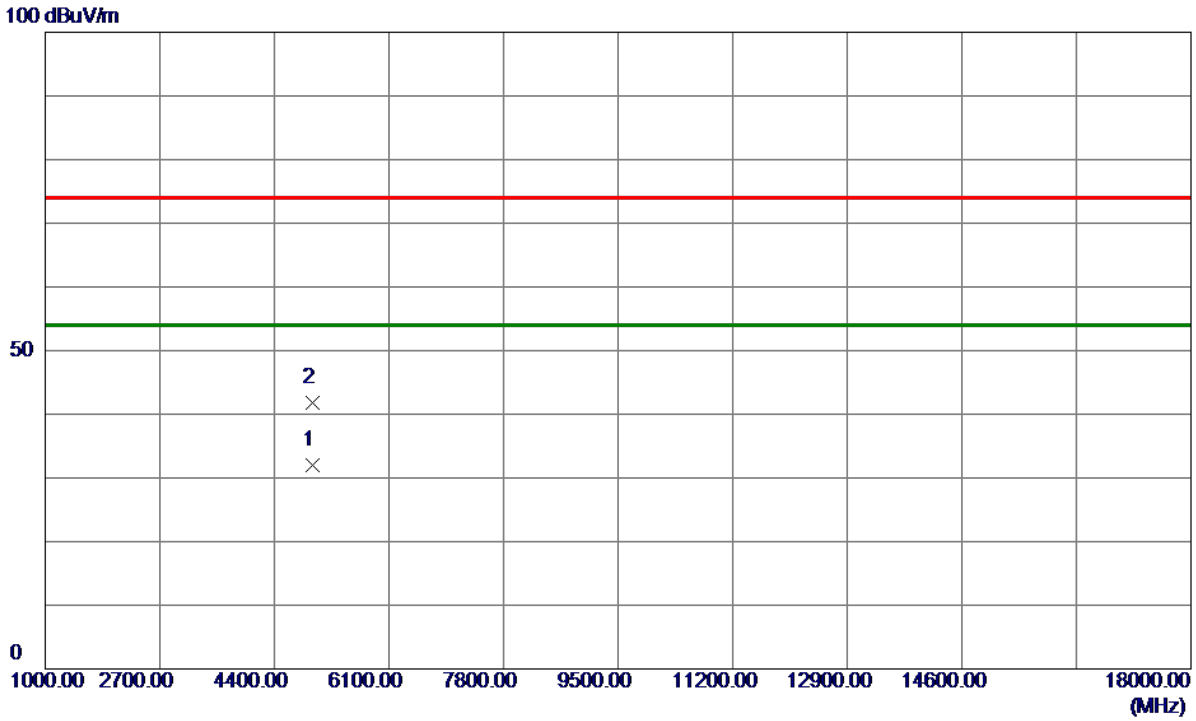
Test Mode	TX 2440 MHz_CH19_500kbps(S=2)	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4879.6300	40.82	2.97	43.79	74.00	-30.21	Peak	
2 *	4880.3300	30.24	2.98	33.22	54.00	-20.78	AVG	

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

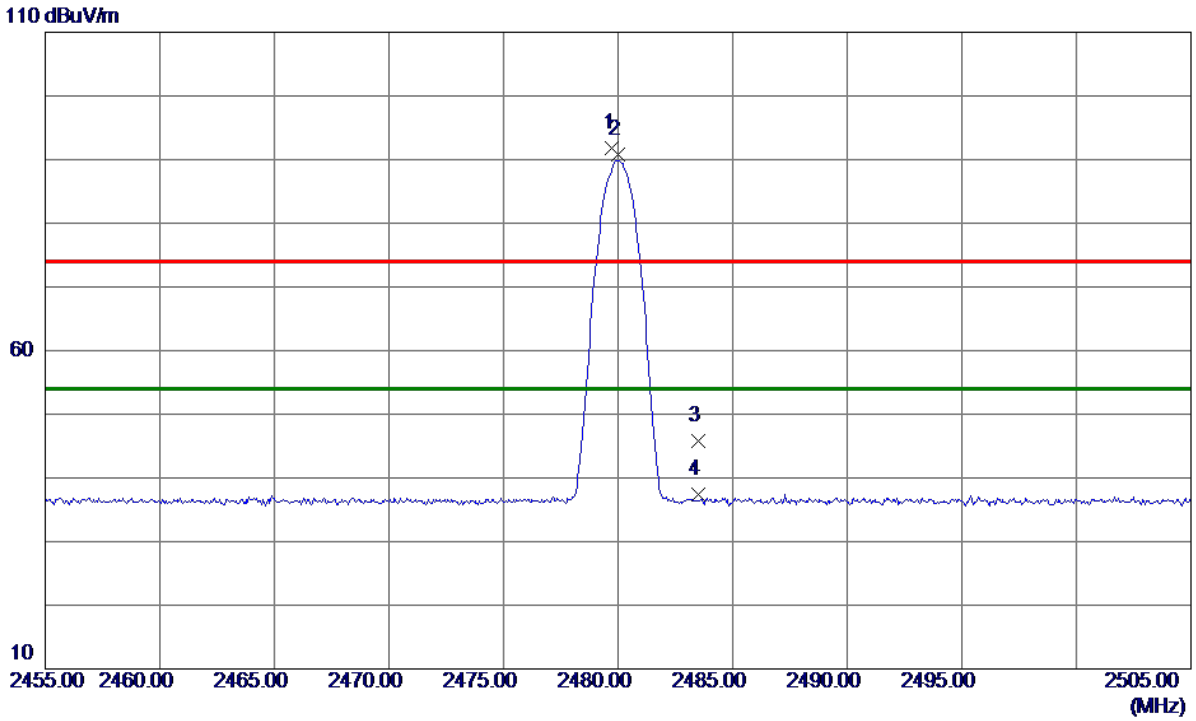
Test Mode	TX 2480 MHz_CH39_500kbps(S=2)	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4960.2300	28.76	3.24	32.00	54.00	-22.00	AVG	
2	4959.1700	38.65	3.24	41.89	74.00	-32.11	Peak	

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

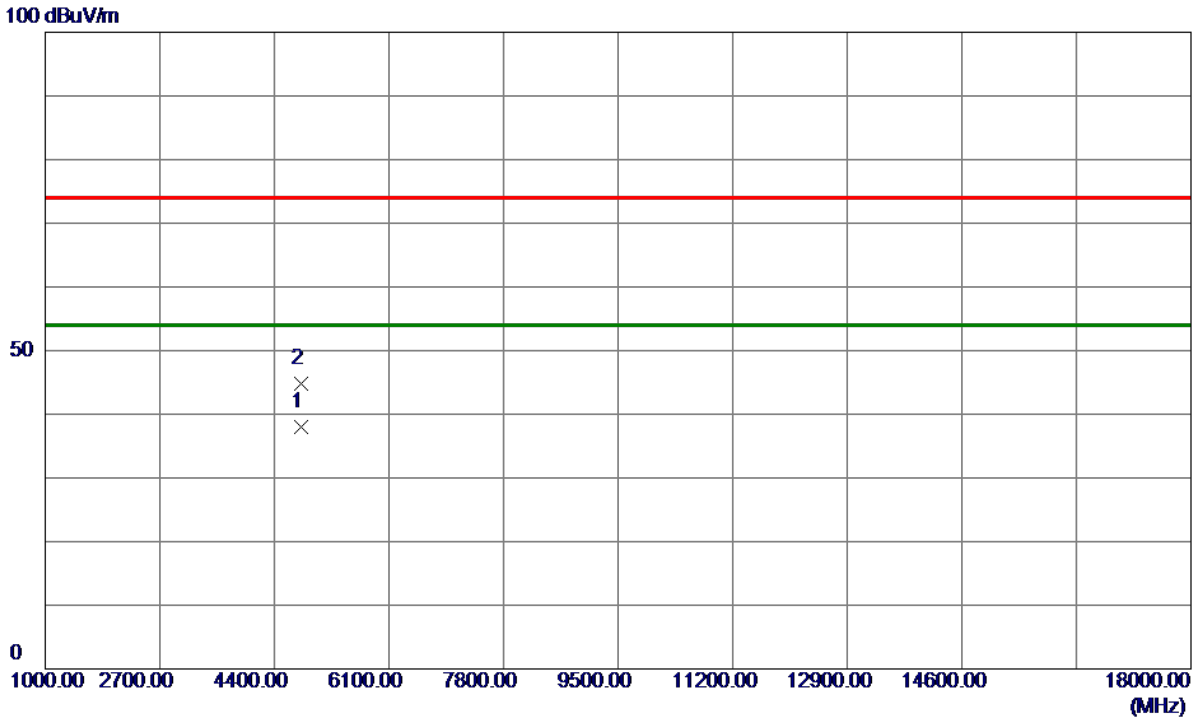
Test Mode	TX 2480 MHz_CH39_500kbps(S=2)	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2479.7500	84.61	7.17	91.78	74.00	17.78	Peak	No Limit
2 *	2480.0000	83.55	7.17	90.72	54.00	36.72	AVG	No Limit
3	2483.5000	38.55	7.17	45.72	74.00	-28.28	Peak	
4	2483.5000	30.14	7.17	37.31	54.00	-16.69	AVG	

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

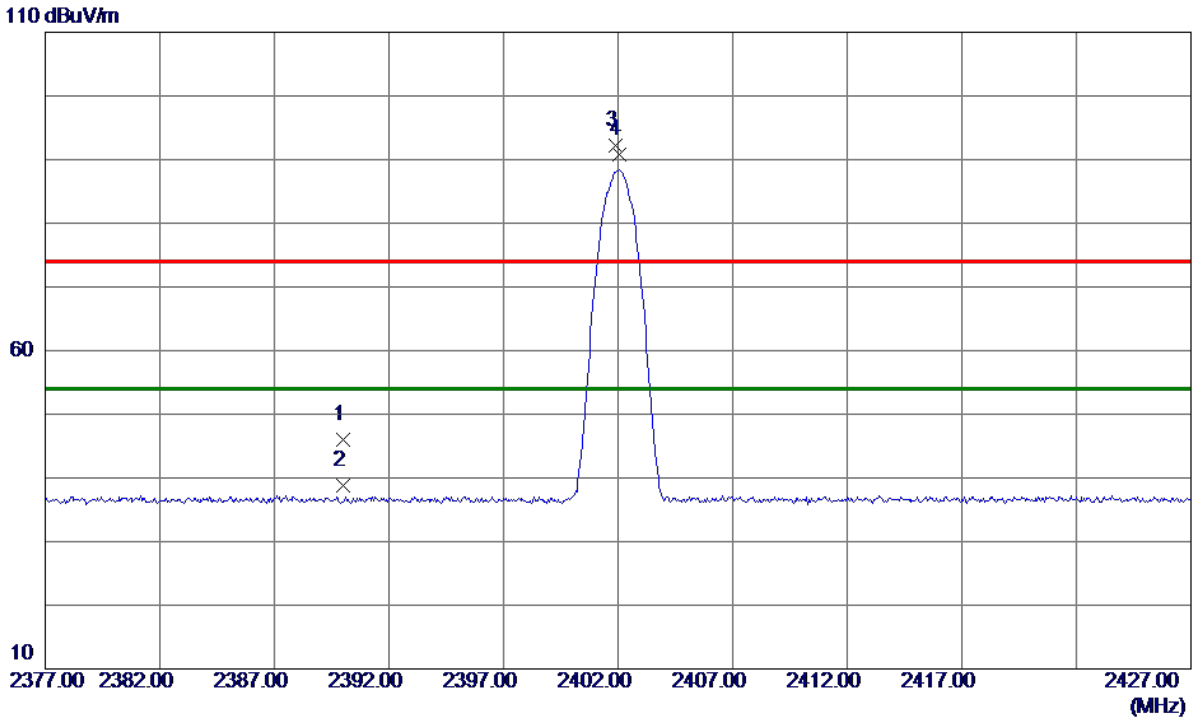
Test Mode	TX 2402 MHz_CH00_125kbps(S=8)	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4804.3900	35.31	2.72	38.03	54.00	-15.97	AVG	
2	4804.5299	42.10	2.72	44.82	74.00	-29.18	Peak	

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

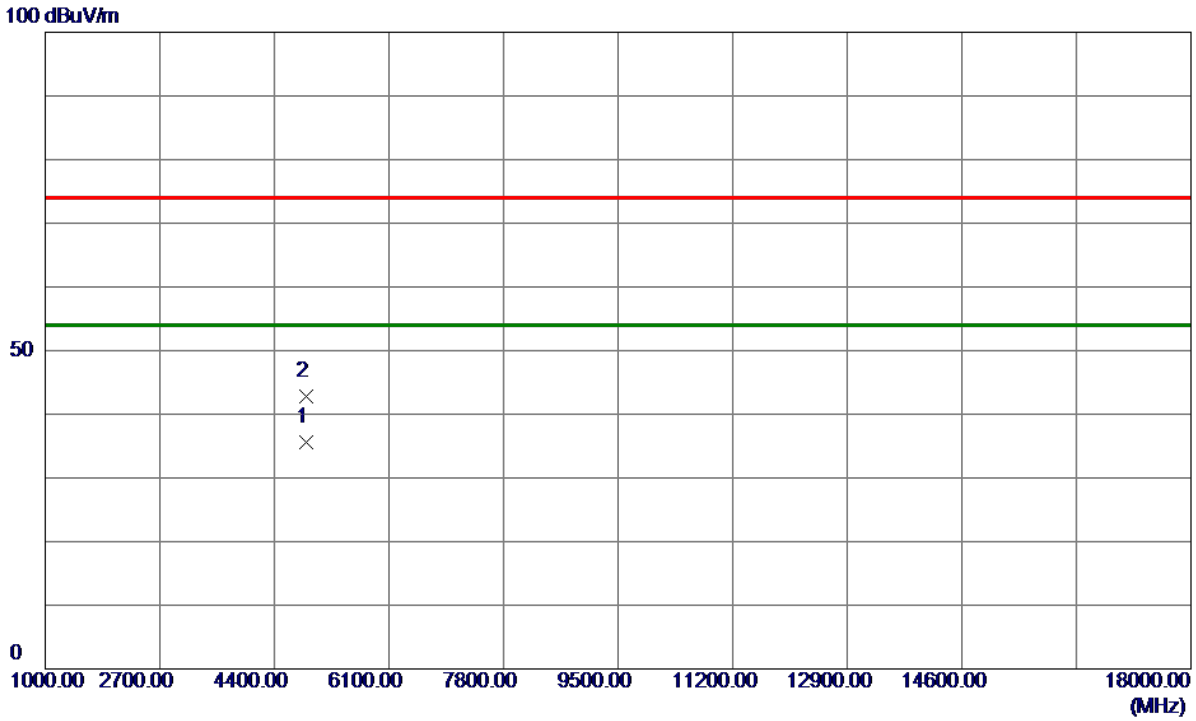
Test Mode	TX 2402 MHz_CH00_125kbps(S=8)	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	38.75	7.22	45.97	74.00	-28.03	Peak	
2	2390.0000	31.53	7.22	38.75	54.00	-15.25	AVG	
3	2401.9000	84.94	7.21	92.15	74.00	18.15	Peak	No Limit
4 *	2402.0500	83.61	7.21	90.82	54.00	36.82	AVG	No Limit

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

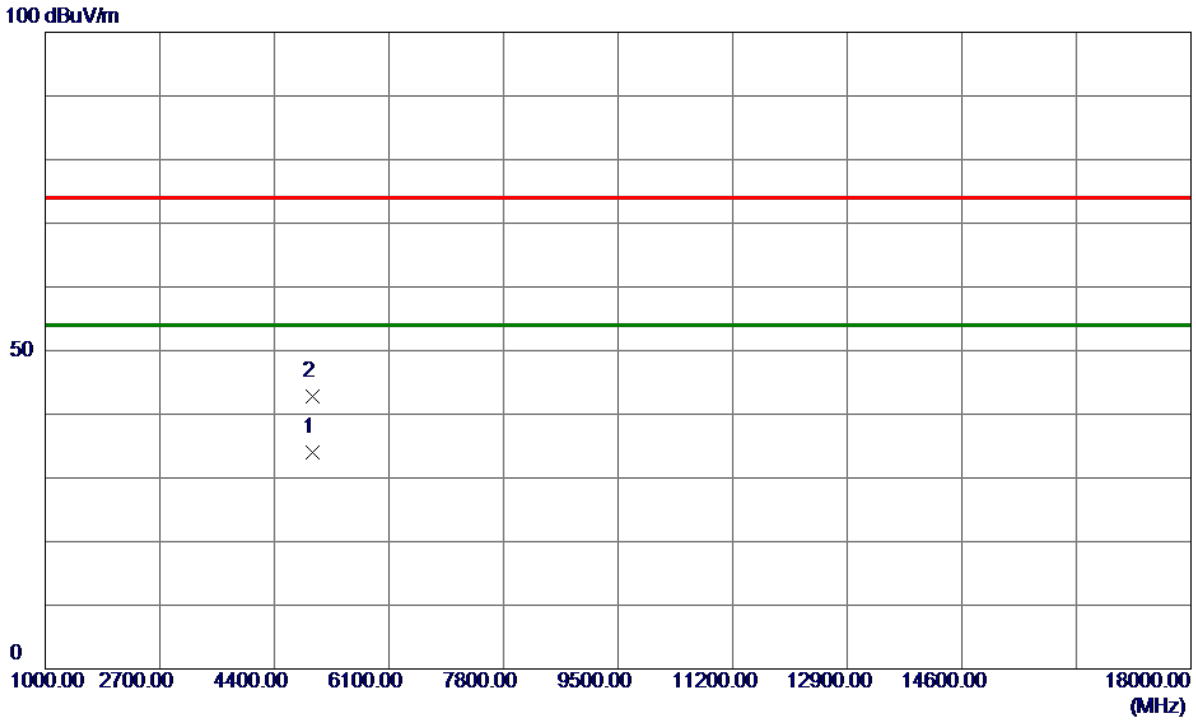
Test Mode	TX 2440 MHz_CH19_125kbps(S=8)	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4879.7250	32.57	2.97	35.54	54.00	-18.46	AVG	
2	4880.4500	39.85	2.98	42.83	74.00	-31.17	Peak	

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

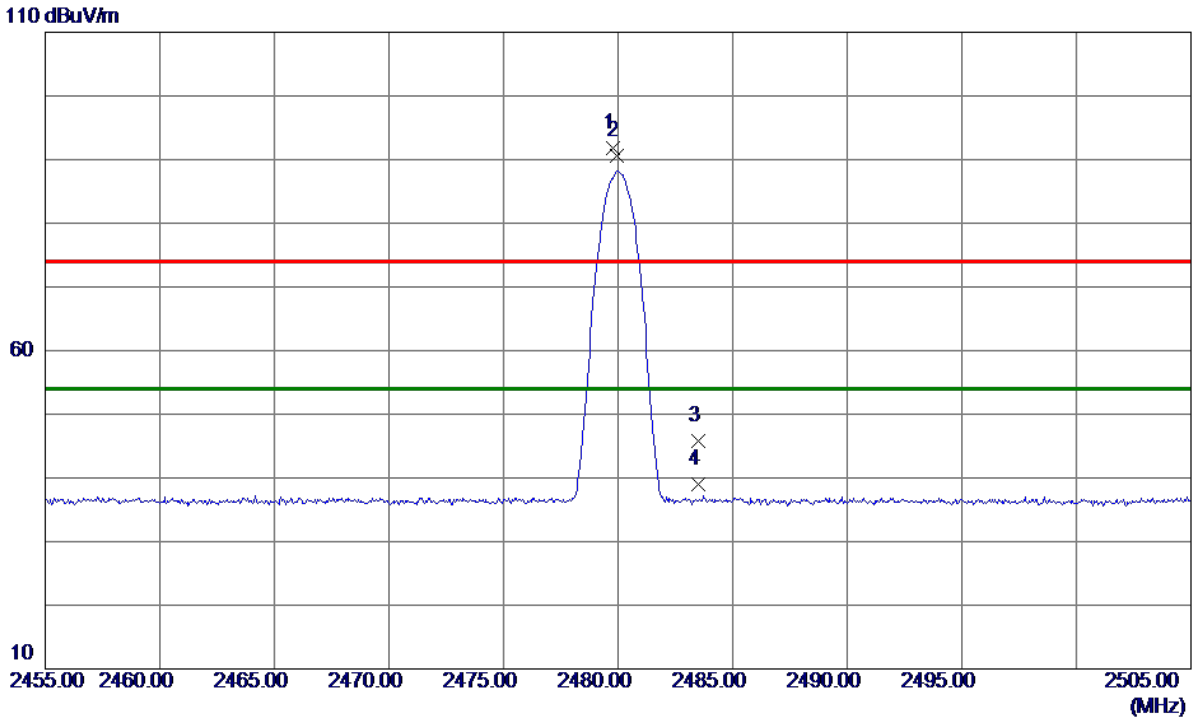
Test Mode	TX 2480 MHz_CH39_125kbps(S=8)	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4959.6650	30.72	3.24	33.96	54.00	-20.04	AVG	
2	4960.4350	39.59	3.24	42.83	74.00	-31.17	Peak	

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

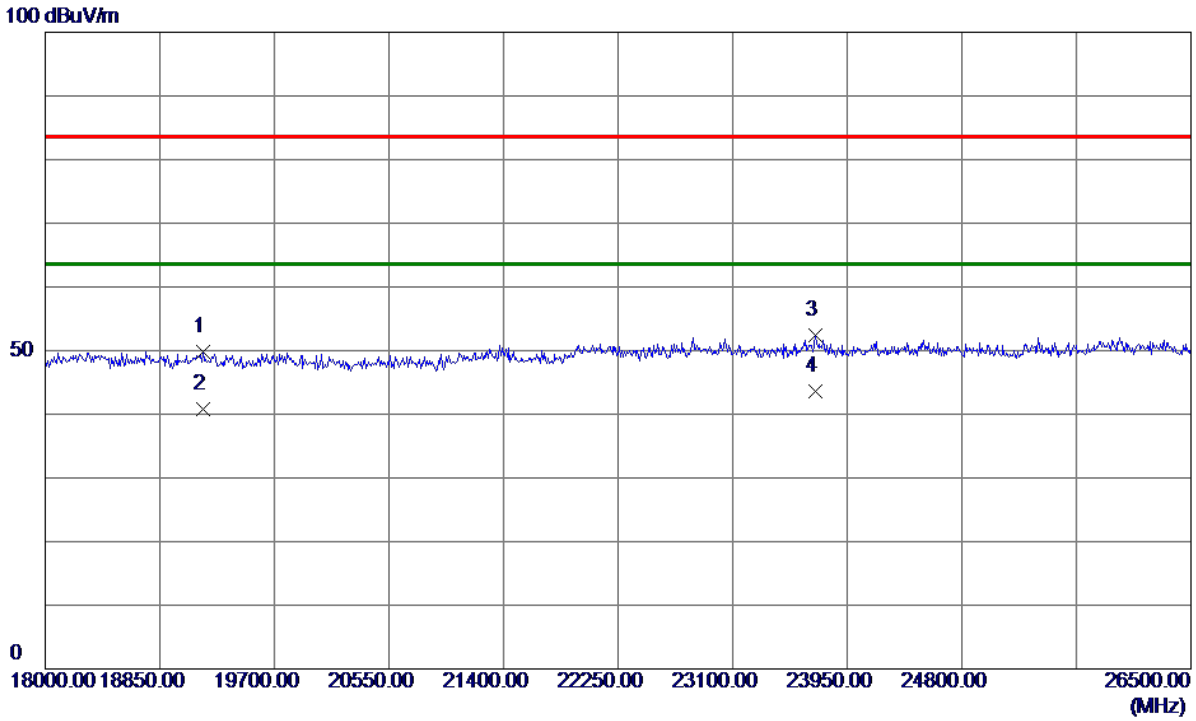
Test Mode	TX 2480 MHz_CH39_125kbps(S=8)	Polarization	Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2479.8000	84.63	7.17	91.80	74.00	17.80	Peak	No Limit
2 *	2479.9500	83.48	7.17	90.65	54.00	36.65	AVG	No Limit
3	2483.5000	38.63	7.17	45.80	74.00	-28.20	Peak	
4	2483.5000	31.75	7.17	38.92	54.00	-15.08	AVG	

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

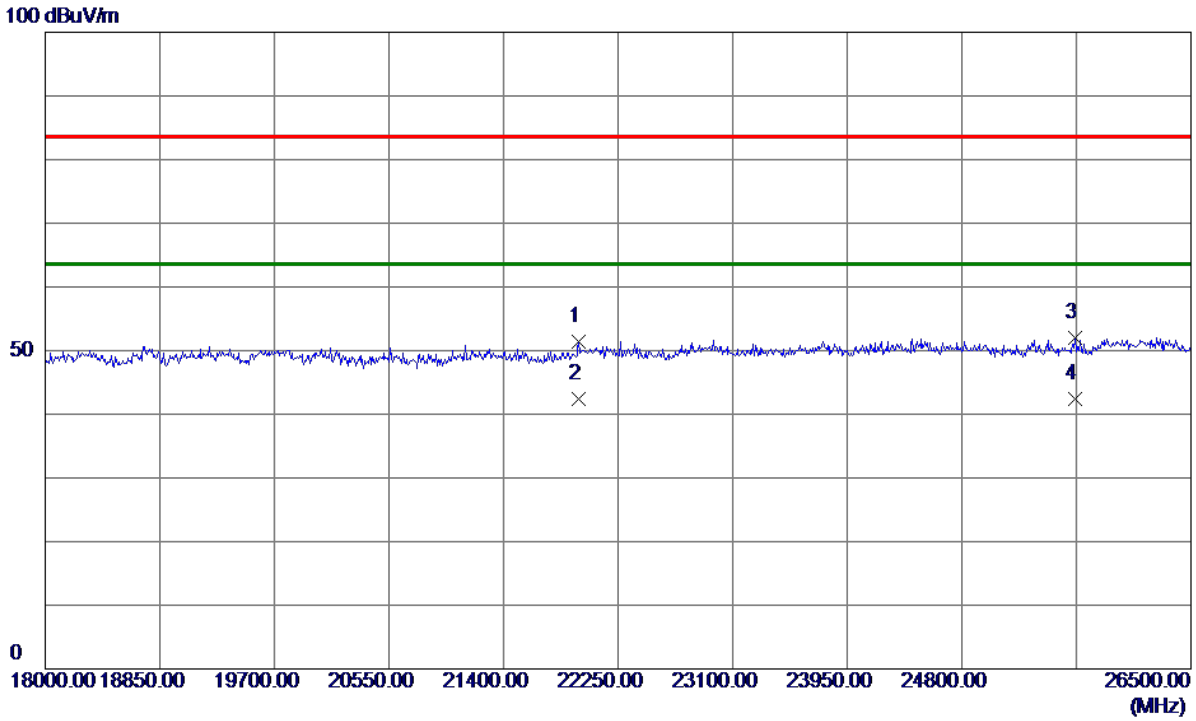
Test Mode	TX 2480 MHz_CH39_2Mbps	Polarization	Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	19173.0000	47.13	2.65	49.78	83.50	-33.72	Peak	
2	19173.0000	38.20	2.65	40.85	63.50	-22.65	AVG	
3	23712.0000	47.76	4.67	52.43	83.50	-31.07	Peak	
4 *	23712.0000	38.91	4.67	43.58	63.50	-19.92	AVG	

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

Test Mode	TX 2480 MHz_CH39_2Mbps	Polarization	Horizontal

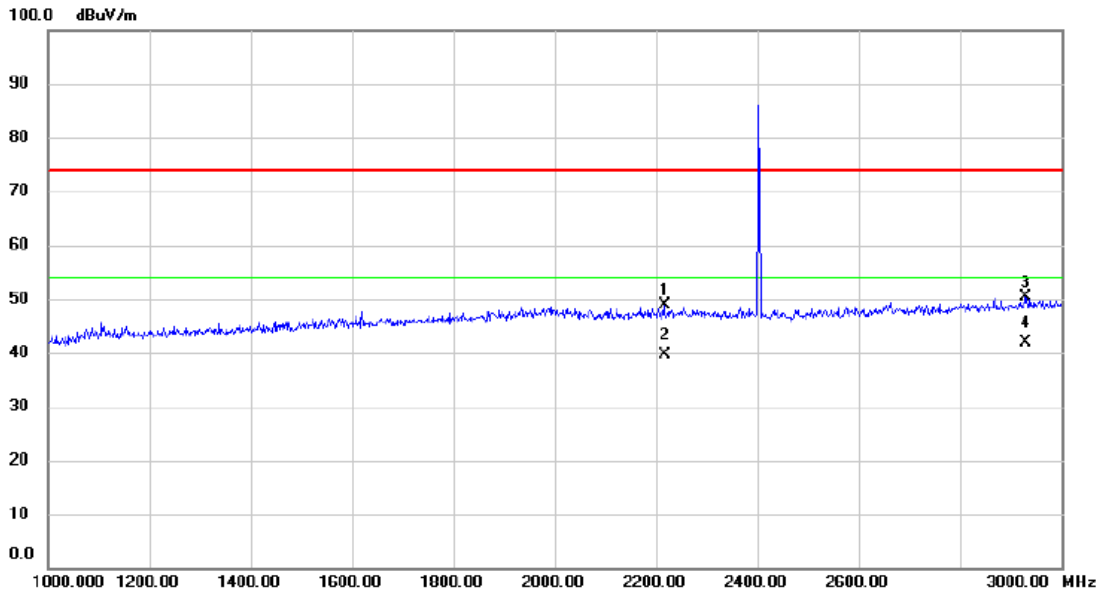


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	21961.0000	47.35	4.07	51.42	83.50	-32.08	Peak	
2	21961.0000	38.33	4.07	42.40	63.50	-21.10	AVG	
3	25641.5000	46.58	5.34	51.92	83.50	-31.58	Peak	
4 *	25641.5000	37.08	5.34	42.42	63.50	-21.08	AVG	

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

The Worst Case:

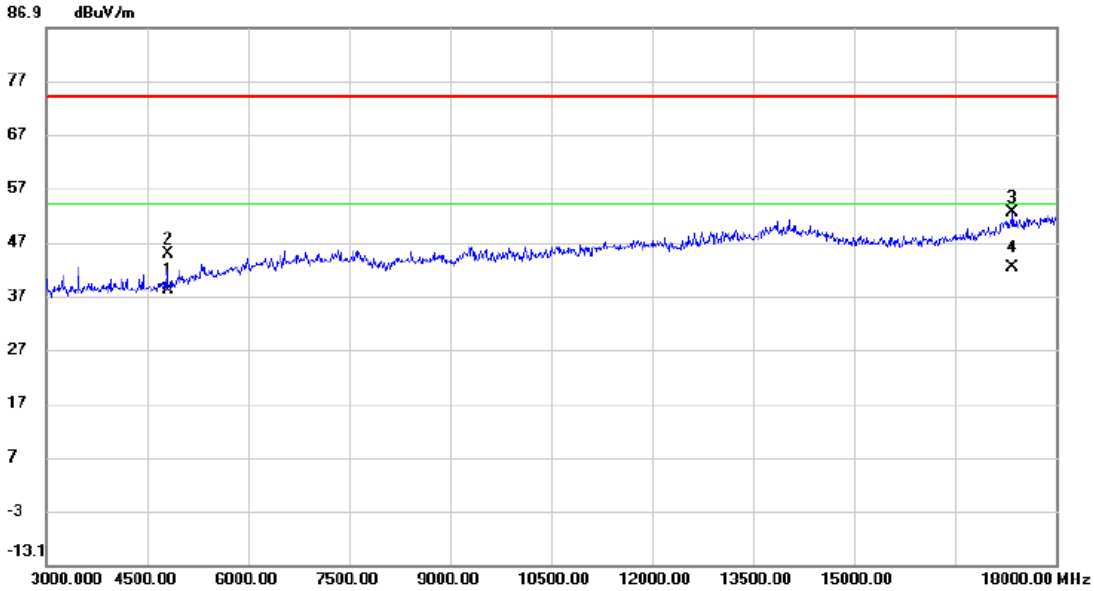
Test Mode	TX 2402 MHz_CH00_125kbps(S=8)	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2216.000	41.50	7.32	48.82	74.00	-25.18	peak	
2		2216.000	32.19	7.32	39.51	54.00	-14.49	AVG	
3		2928.000	40.95	9.36	50.31	74.00	-23.69	peak	
4	*	2928.000	32.40	9.36	41.76	54.00	-12.24	AVG	

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

Test Mode	TX 2402 MHz_CH00_125kbps(S=8)	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4804.390	35.31	2.72	38.03	54.00	-15.97	AVG	
2		4804.530	42.09	2.73	44.82	74.00	-29.18	peak	
3		17355.000	41.37	11.21	52.58	74.00	-21.42	peak	
4	*	17355.000	31.06	11.21	42.27	54.00	-11.73	AVG	

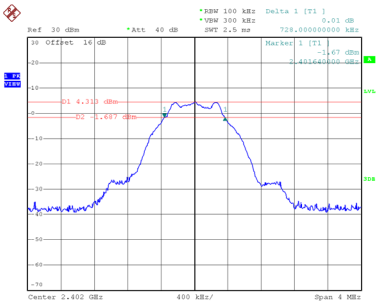
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

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	0.728	1.056	0.5	Pass
19	2440	0.704	1.056	0.5	Pass
39	2480	0.712	1.056	0.5	Pass

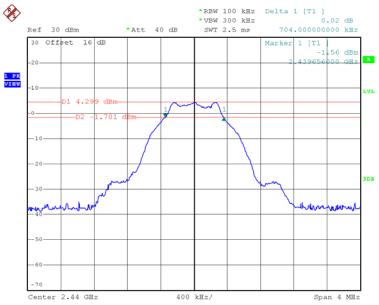
CH00



Date: 26.JUN.2026 06:42:12

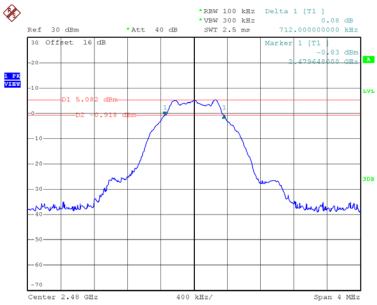
CH19

6 dB Bandwidth



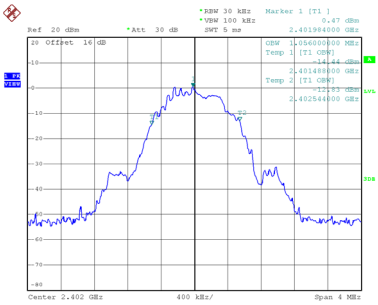
Date: 26.JUN.2026 06:44:11

CH39

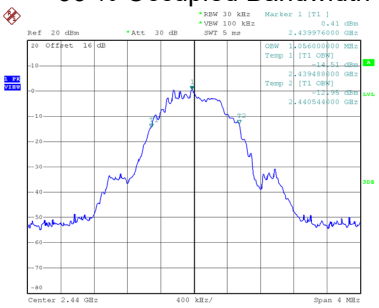


Date: 26.JUN.2026 06:47:12

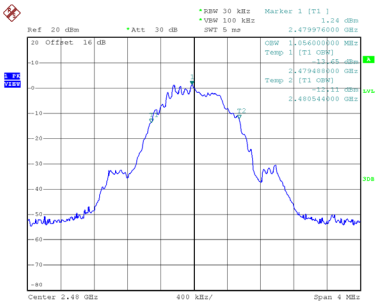
99 % Occupied Bandwidth



Date: 26.JUN.2026 06:42:25



Date: 26.JUN.2026 06:44:24

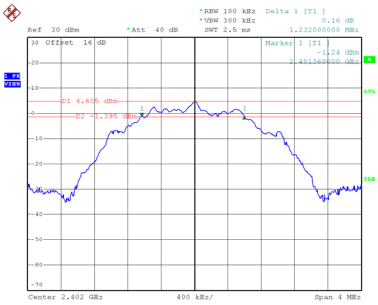


Date: 26.JUN.2026 06:47:24

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	1.232	2.096	0.5	Pass
19	2440	1.240	2.096	0.5	Pass
39	2480	1.240	2.096	0.5	Pass

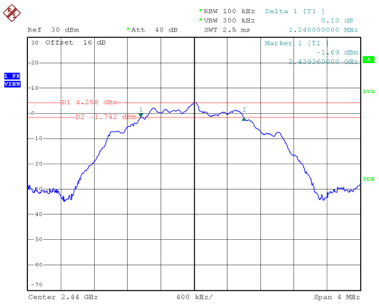
CH00



Date: 26.JUN.2026 06:48:54

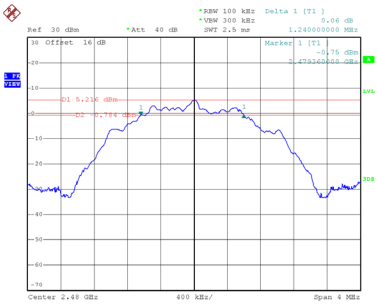
CH19

6 dB Bandwidth



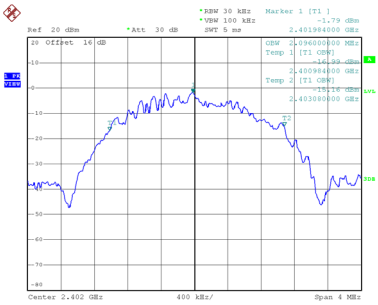
Date: 26.JUN.2026 06:50:26

CH39

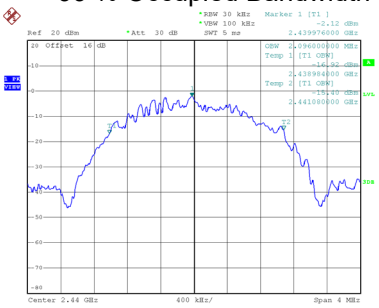


Date: 26.JUN.2026 06:51:55

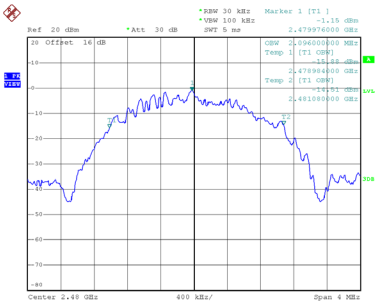
99 % Occupied Bandwidth



Date: 26.JUN.2026 06:49:06



Date: 26.JUN.2026 06:50:39

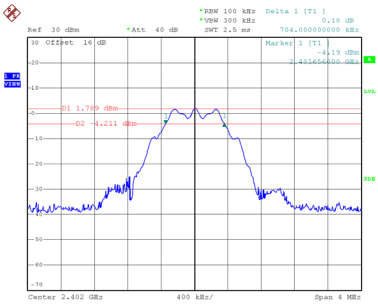


Date: 26.JUN.2026 06:52:07

Test Mode	TX Mode_500kbps(S=2)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Test Result
00	2402	0.704	1.056	0.5	Pass
19	2440	0.688	1.056	0.5	Pass
39	2480	0.696	1.056	0.5	Pass

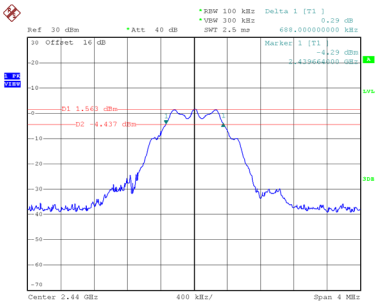
CH00



Date: 28.JUN.2026 04:21:38

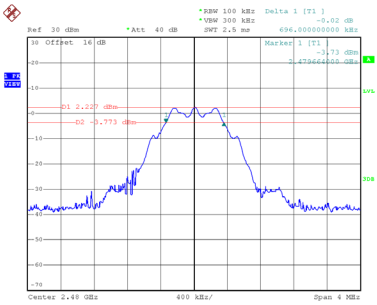
CH19

6 dB Bandwidth

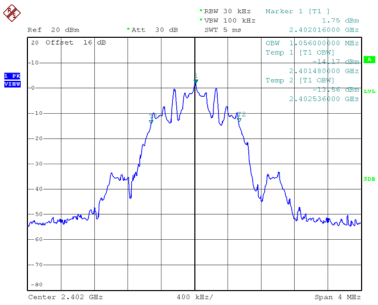


Date: 28.JUN.2026 04:24:29

CH39

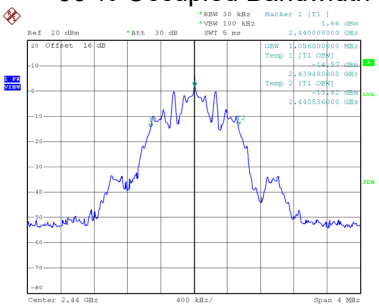


Date: 28.JUN.2026 04:26:16

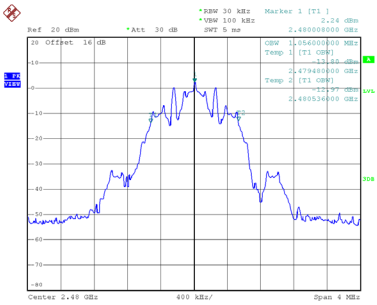


Date: 28.JUN.2026 04:21:50

99 % Occupied Bandwidth



Date: 28.JUN.2026 04:24:42

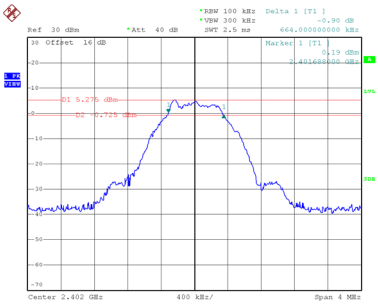


Date: 28.JUN.2026 04:26:28

Test Mode	TX Mode_125kbps(S=8)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Test Result
00	2402	0.664	1.024	0.5	Pass
19	2440	0.648	1.032	0.5	Pass
39	2480	0.656	1.032	0.5	Pass

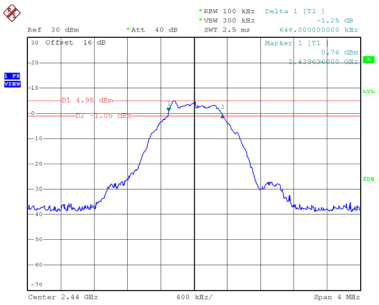
CH00



Date: 28.JUN.2026 04:29:03

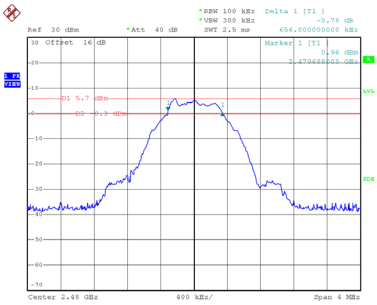
CH19

6 dB Bandwidth



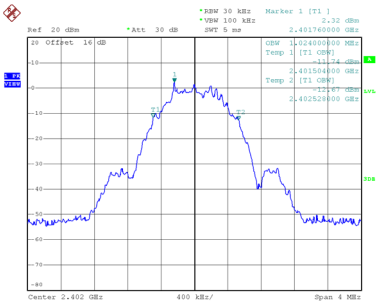
Date: 28.JUN.2026 04:30:29

CH39

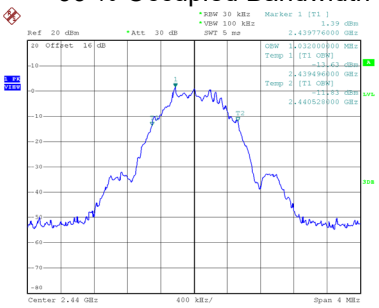


Date: 28.JUN.2026 04:33:20

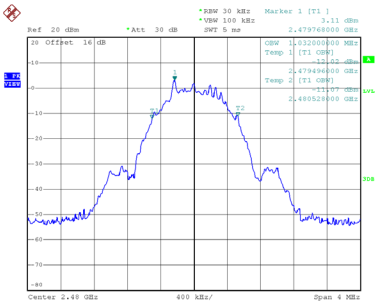
99 % Occupied Bandwidth



Date: 28.JUN.2026 04:29:16



Date: 28.JUN.2026 04:30:41



Date: 28.JUN.2026 04:33:33

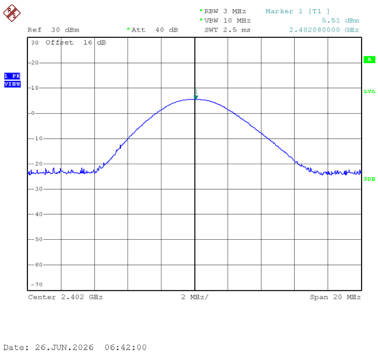
APPENDIX F - MAXIMUM OUTPUT POWER

Test Mode	TX Mode_1Mbps

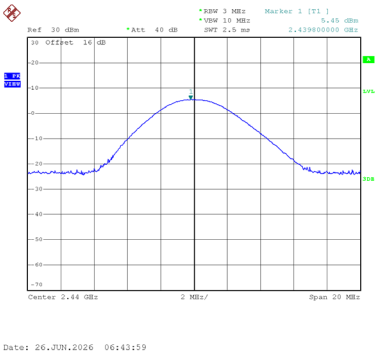
Frequency (MHz)	Output Power (dBm)	Output Power (W)	Max. Limit (dBm)	Max. Limit (W)	Test Result
2402	5.51	0.0036	30.00	1.0000	Pass
2440	5.45	0.0035	30.00	1.0000	Pass
2480	6.24	0.0042	30.00	1.0000	Pass

Note: Output power = Measure result + Cable loss

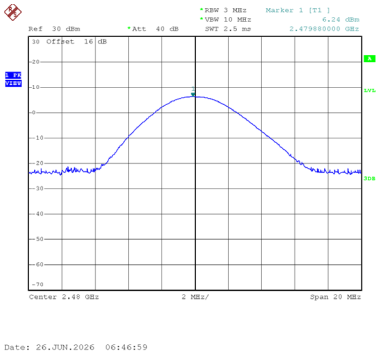
CH00



CH19



CH39

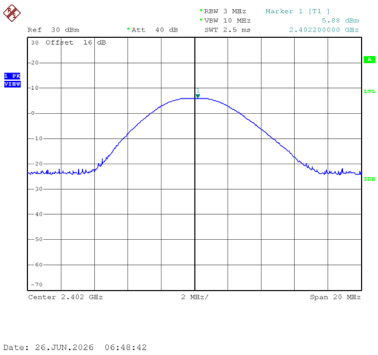


Test Mode	TX Mode_2Mbps

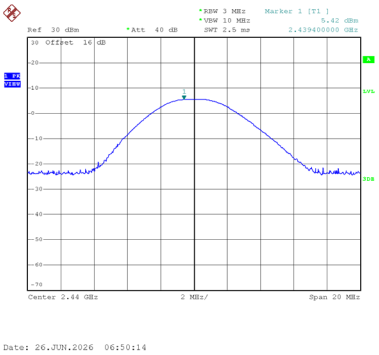
Frequency (MHz)	Output Power (dBm)	Output Power (W)	Max. Limit (dBm)	Max. Limit (W)	Test Result
2402	5.88	0.0039	30.00	1.0000	Pass
2440	5.42	0.0035	30.00	1.0000	Pass
2480	6.43	0.0044	30.00	1.0000	Pass

Note: Output power = Measure result + Cable loss

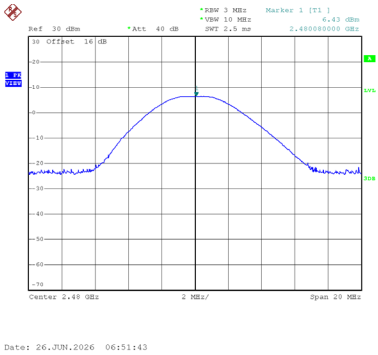
CH00



CH19



CH39

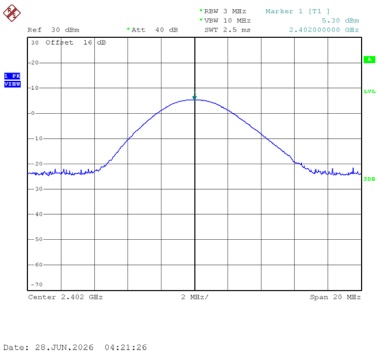


Test Mode	TX Mode_500kbps(S=2)

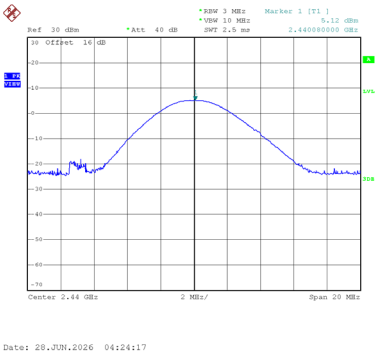
Frequency (MHz)	Output Power (dBm)	Output Power (W)	Max. Limit (dBm)	Max. Limit (W)	Test Result
2402	5.30	0.0034	30.00	1.0000	Pass
2440	5.12	0.0033	30.00	1.0000	Pass
2480	5.82	0.0038	30.00	1.0000	Pass

Note: Output power = Measure result + Cable loss

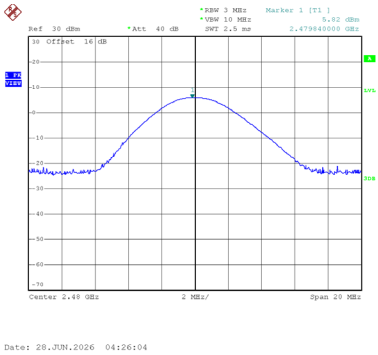
CH00



CH19



CH39

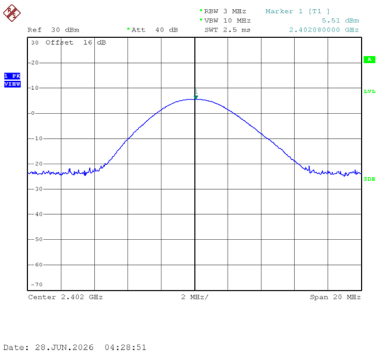


Test Mode	TX Mode_125kbps(S=8)

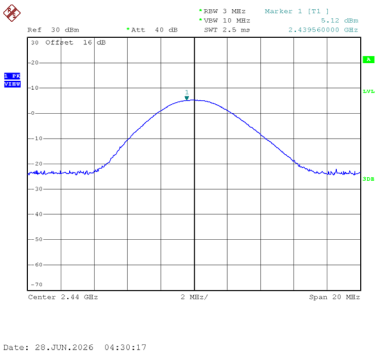
Frequency (MHz)	Output Power (dBm)	Output Power (W)	Max. Limit (dBm)	Max. Limit (W)	Test Result
2402	5.51	0.0036	30.00	1.0000	Pass
2440	5.12	0.0033	30.00	1.0000	Pass
2480	5.94	0.0039	30.00	1.0000	Pass

Note: Output power = Measure result + Cable loss

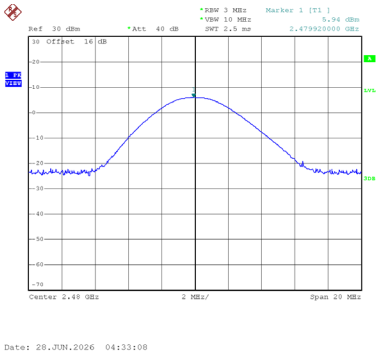
CH00



CH19



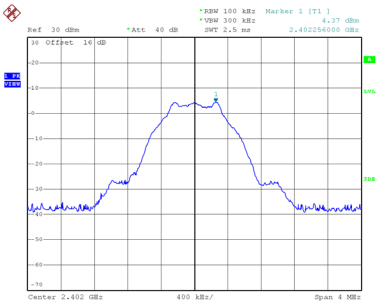
CH39



APPENDIX G - CONDUCTED SPURIOUS EMISSION

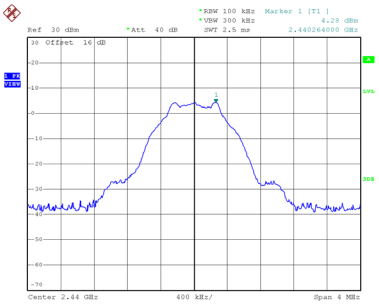
Test Mode	TX Mode_1Mbps

Reference Level-CH00



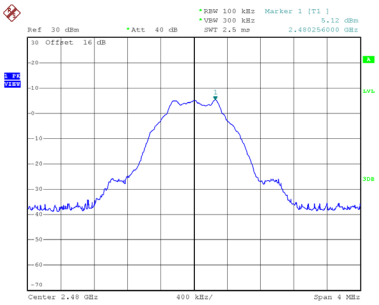
Date: 26.JUN.2026 06:42:48

Reference Level-CH19



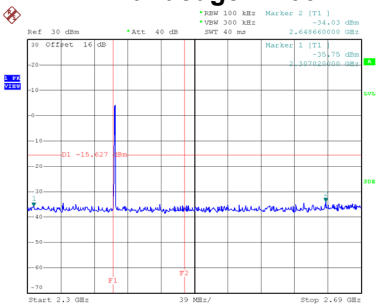
Date: 26.JUN.2026 06:44:47

Reference Level-CH39



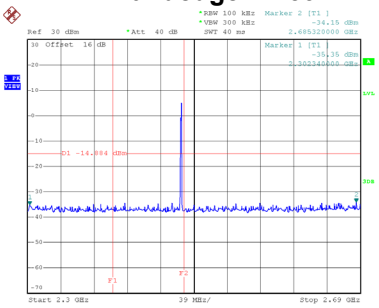
Date: 26.JUN.2026 06:47:47

Bandedge-CH00



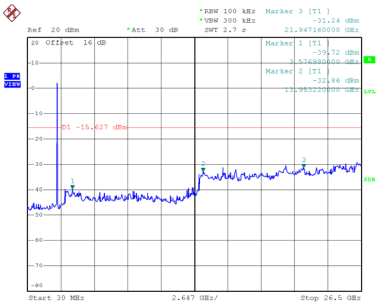
Date: 26.JUN.2026 06:43:01

Bandedge-CH39



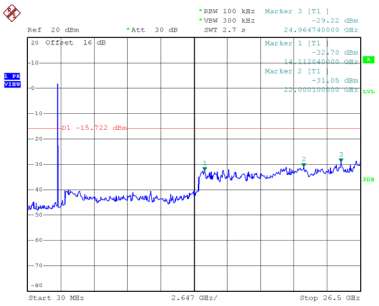
Date: 26.JUN.2026 06:48:00

Harmonic-CH00



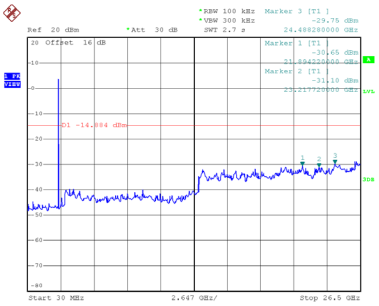
Date: 26.JUN.2026 06:43:13

Harmonic-CH19



Date: 26.JUN.2026 06:45:13

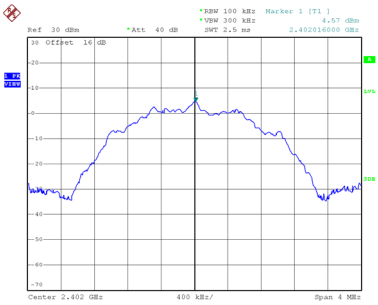
Harmonic-CH39



Date: 26.JUN.2026 06:48:12

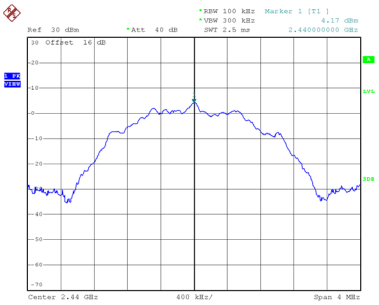
Test Mode	TX Mode_2Mbps

Reference Level-CH00



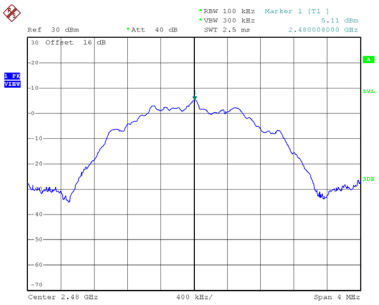
Date: 26.JUN.2026 06:49:29

Reference Level-CH19



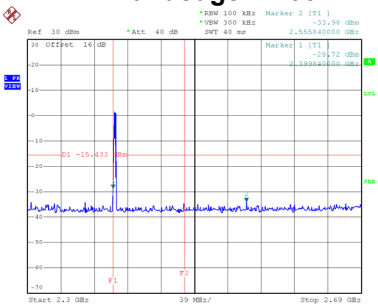
Date: 26.JUN.2026 06:51:02

Reference Level-CH39



Date: 26.JUN.2026 06:52:30

Bandedge-CH00



Date: 26.JUN.2026 06:49:42

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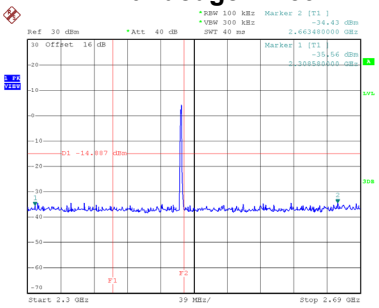
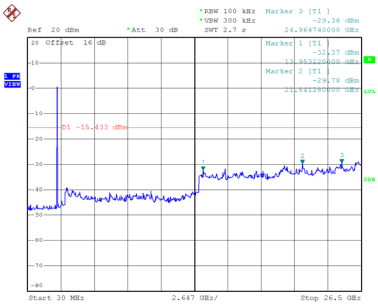


Date: 26.JUN.2026 06:52:43

Harmonic-CH00



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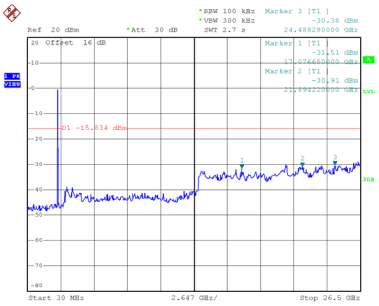
Harmonic-CH19



Date: 26.JUN.2026 06:51:27

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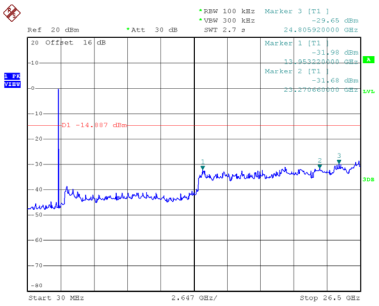

Date: 26.JUN.2026 06:56:02