

# FCC Radio Test Report

**FCC ID: 2A6MI-GVSA36**

**Report No.** : BTL-FCCP-1-2407T078A  
**Equipment** : Good Voice OTC Hearing Aid  
**Model Name** : GV-SA03.60  
**Brand Name** : Good Voice  
**Applicant** : OK Biotech Co., Ltd.  
**Address** : No. 91, Sec. 2, Gongdao 5th Rd., Hsinchu City 30070, Taiwan (ROC)  
  
**Radio Function** : Bluetooth  
  
**FCC Rule Part(s)** : FCC CFR Title 47, Part 15, Subpart C (15.247)  
**Measurement** : ANSI C63.10-2013  
**Procedure(s)**  
  
**Date of Receipt** : 2024/12/6  
**Date of Test** : 2025/3/18~ 2025/4/24  
**Issued Date** : 2025/6/27

The above equipment has been tested and found in compliance with the requirement of the above standards by BTL Inc.

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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 manufacture'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**.

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** 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-1-2407T078A	R00	Original Report.	2025/6/18	Invalid
BTL-FCCP-1-2407T078A	R01	Revised report to address TCB's comments.	2025/6/27	Valid

## 1 SUMMARY OF TEST RESULTS

Test procedures according to the technical standards.

Standard(s) Section	Description	Test Result	Judgement	Remark
15.207	AC Power Line Conducted Emissions	APPENDIX A	Pass	-----
15.205 15.209 15.247(d)	Radiated Emissions	APPENDIX B APPENDIX C APPENDIX D	Pass	-----
15.247 (a)(1)(iii)	Number of Hopping Frequency	APPENDIX E	Pass	-----
15.247 (a)(1)(iii)	Average Time of Occupancy	APPENDIX F	Pass	-----
15.247 (a)(1)	Hopping Channel Separation	APPENDIX G	Pass	-----
15.247 (a)(1)	Bandwidth	APPENDIX H	Pass	-----
15.247 (b)(1)	Output Power	APPENDIX I	Pass	-----
15.247(d)	Antenna conducted Spurious Emission	APPENDIX J	Pass	-----
15.203	Antenna Requirement	-----	Pass	-----

### Statement of Conformity

The statement of conformity is based on the binary decision rule according to IEC Guide 115 and ILAC G8 "simple acceptance" principle. Without considering measurement uncertainty, its specific risk is less than 50% PFA. (PFA: Probability of False Accept)

NOTE:

- (1) "N/A" denotes test is not applicable in this Test Report.
- (2) The report format version is TP.1.1.1.

## 1.1 TEST FACILITY

The test locations stated below are under the TAF Accreditation Number 0659.

The test location(s) used to collect the test data in this report are:

No. 68-1, Ln. 169, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan  
(FCC DN: TW0659)

C05       CB08       CB11       SR10       SR11

No. 68-2, Ln. 169, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan  
(FCC DN: TW0659)

SR05

No. 72, Ln. 169, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan  
(FCC DN: TW0659)

C06       CB21       CB22

## 1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement  $y \pm U$ , where expanded uncertainty  $U$  is based on a standard uncertainty multiplied by a coverage factor of  $k = 2$ , providing a level of confidence of approximately **95 %**.

A. AC power line conducted emissions test:

Test Site	Method	Measurement Frequency Range	U (dB)
SR05	CISPR	150 kHz ~ 30 MHz	3.44

B. Radiated emissions test :

Test Site	Measurement Frequency Range	U (dB)
CB21	0.03 GHz ~ 0.2 GHz	4.17
	0.2 GHz ~ 1 GHz	4.72
	1 GHz ~ 6 GHz	5.21
	6 GHz ~ 18 GHz	5.51
	18 GHz ~ 26 GHz	3.69
	26 GHz ~ 40 GHz	4.23

C. Conducted test :

Test Item	U (dB)
Occupied Bandwidth	0.5338
Output power	0.3659
Conducted Spurious emissions	0.5416
Conducted Band edges	0.5348
Dwell time	0.6606
Channel separation	0.6606
Channel numbers	0.6606

### NOTE:

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

### 1.3 TEST ENVIRONMENT CONDITIONS

Test Item	Environment Condition	Test Voltage	Tested by
AC Power Line Conducted Emissions	23 °C, 54 %	AC 120V	Ken Lan
Radiated emissions below 1 GHz	Refer to data	AC 120V	Mark Wang
Radiated emissions above 1 GHz	Refer to data	AC 120V	Mark Wang
Number of Hopping Frequency	21.7 °C, 46 %	AC 120V	Ken Lan
Average Time of Occupancy	21.7 °C, 46 %	AC 120V	Ken Lan
Hopping Channel Separation	21.7 °C, 46 %	AC 120V	Ken Lan
Bandwidth	21.7 °C, 46 %	AC 120V	Ken Lan
Output Power	21.7 °C, 46 %	AC 120V	Ken Lan
Antenna conducted Spurious Emission	21.7 °C, 46 %	AC 120V	Ken Lan

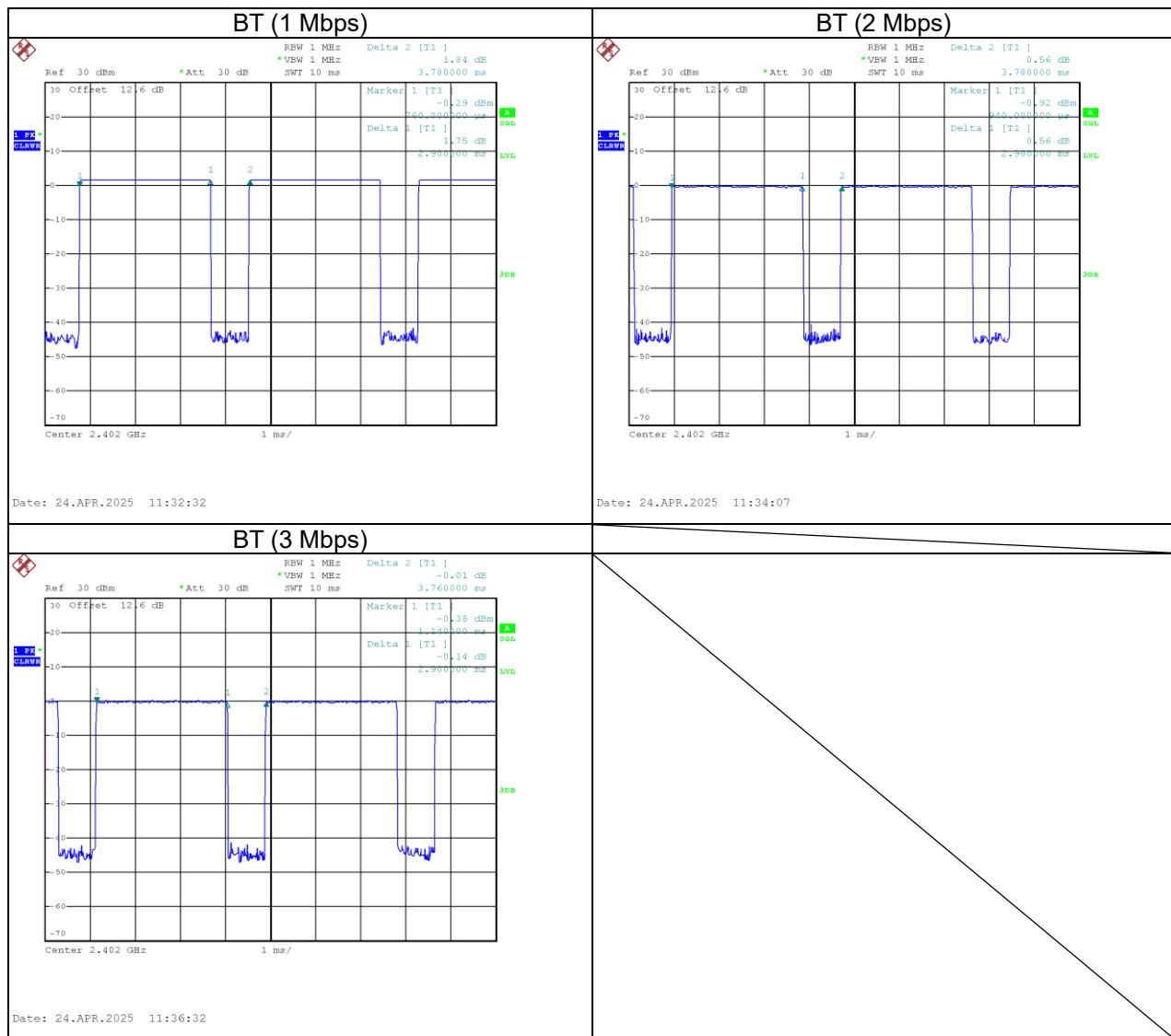
## 1.4 DUTY CYCLE

If duty cycle is  $\geq 98\%$ , duty factor is not required.

If duty cycle is  $< 98\%$ , duty factor shall be considered.

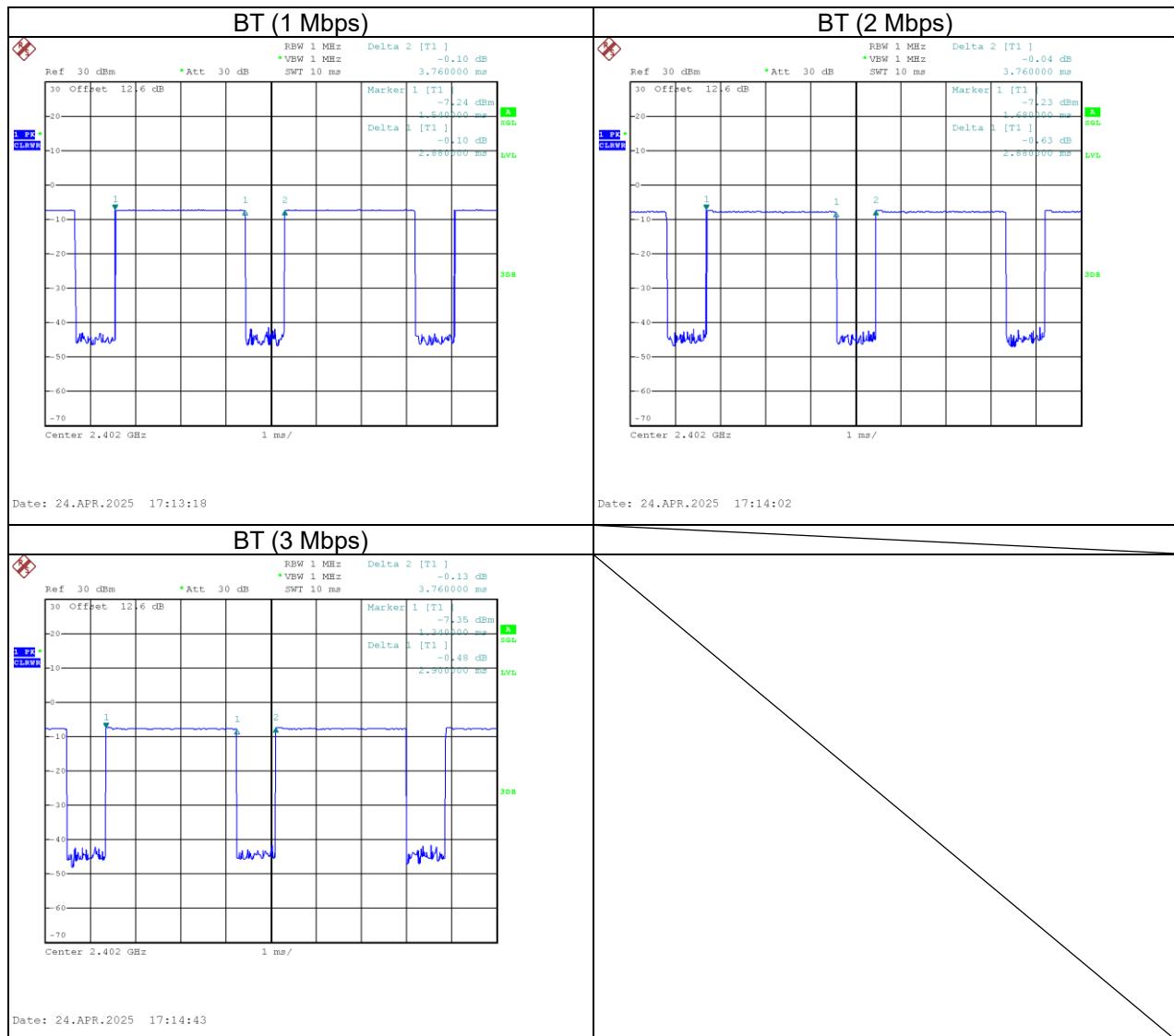
For CSR 8635

Remark	Delta 1	Numbers	On Time (B)	Delta 2	On Time/Period	10 log(1/Duty Cycle)
Mode	ON (ms)	(ON)	(ms)	Period (ON+OFF) (ms)	Duty Cycle (%)	Duty Factor (dB)
BT (1 Mbps)	2.900	1	2.900	3.780	76.72%	1.15
BT (2 Mbps)	2.900	1	2.900	3.780	76.72%	1.15
BT (3 Mbps)	2.900	1	2.900	3.760	77.13%	1.13



For STBT038 (AB1565M)

Remark	Delta 1			Delta 2	On Time/Period	10 log(1/Duty Cycle)
Mode	ON (ms)	Numbers (ON)	On Time (B) (ms)	Period (ON+OFF) (ms)	Duty Cycle (%)	Duty Factor (dB)
BT (1 Mbps)	2.880	1	2.880	3.760	76.60%	1.16
BT (2 Mbps)	2.880	1	2.880	3.760	76.60%	1.16
BT (3 Mbps)	2.900	1	2.900	3.760	77.13%	1.13



## 2 GENERAL INFORMATION

### 2.1 DESCRIPTION OF EUT

Equipment	Good Voice OTC Hearing Aid
Model Name	GV-SA03.60
Brand Name	Good Voice
Model Difference	N/A
Power Source	1) DC Voltage supplied from battery. 2) Type-C Charging Port
Power Rating	1) 3.7V 1400mAh 5.18Wh 2) 5VDC/100mA
Products Covered	1 * Wireless Bluetooth Earphones: Good Voice /HT001 1 * Charging Case: Good Voice /HT001 1 * Wired Earphones: CD-1
Operation Band	2400 MHz ~ 2483.5 MHz
Operation Frequency	2402 MHz ~ 2480 MHz
Modulation Type	GFSK, $\pi/4$ -DQPSK, 8DPSK
Modulation Technology	FHSS
Transfer Rate	1 Mbps, 2 Mbps, 3Mbps
For CSR 8635	
Output Power Max.	1 Mbps: 2.32 dBm (0.0017 W) 2 Mbps: 0.92 dBm (0.0012 W) 3 Mbps: 1.15 dBm (0.0013 W)
Test Software Version	BlueTest3 Version 2.5.8.667
For STBT038 (AB1565M)	
Output Power Max.	1 Mbps: -4.56 dBm (0.0003 W) 2 Mbps: -4.72 dBm (0.0003 W) 3 Mbps: -4.61 dBm (0.0003 W)
Test Software Version	AB1565/68 Lab Test Tool-3.6.1
Test Model	GV-SA03.60
Sample Status	Engineering Sample
EUT Modification(s)	N/A

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)	Channel	Frequency (MHz)
00	2402	27	2429	54	2456
01	2403	28	2430	55	2457
02	2404	29	2431	56	2458
03	2405	30	2432	57	2459
04	2406	31	2433	58	2460
05	2407	32	2434	59	2461
06	2408	33	2435	60	2462
07	2409	34	2436	61	2463
08	2410	35	2437	62	2464
09	2411	36	2438	63	2465
10	2412	37	2439	64	2466
11	2413	38	2440	65	2467
12	2414	39	2441	66	2468
13	2415	40	2442	67	2469
14	2416	41	2443	68	2470
15	2417	42	2444	69	2471
16	2418	43	2445	70	2472
17	2419	44	2446	71	2473
18	2420	45	2447	72	2474
19	2421	46	2448	73	2475
20	2422	47	2449	74	2476
21	2423	48	2450	75	2477
22	2424	49	2451	76	2478
23	2425	50	2452	77	2479
24	2426	51	2453	78	2480
25	2427	52	2454		
26	2428	53	2455		

(3) Table for Filed Antenna:

For CSR 8635

Antenna	Manufacture	Part name	Type	Connector	Frequency Range (MHz)	Gain (dBi)
1	BS-MoVA Technology Co., Ltd.	CH-M-W-32160 50	Chip	N/A	2400-2480	2.67

For STBT038 (AB1565M)

Antenna	Manufacture	Part name	Type	Connector	Frequency Range (MHz)	Gain (dBi)
2	BS-MoVA Technology Co., Ltd.	CH-M-W-32160 50	Chip	N/A	2400-2480	2.67

(4) The above Antenna information are derived from the antenna data sheet provided by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

## 2.2 TEST MODES

For CSR 8635

Test Items	Test mode	Channel	Note
Transmitter Radiated Emissions (below 1GHz)	1 Mbps	78	-
Transmitter Radiated Emissions (above 1GHz)	1/3 Mbps	00/78	Bandedge
	1/3 Mbps	00/39/78	Harmonic
Transmitter Radiated Emissions (above 18GHz)	1 Mbps	78	-
Number of Hopping Frequency	1/3 Mbps	00~78	-
Average Time of Occupancy	1/3 Mbps	00/39/78	-
Hopping Channel Separation	1/3 Mbps	00/39/78	-
Bandwidth	1/3 Mbps	00/39/78	-
Peak Output Power	1/2/3 Mbps	00/39/78	-
Antenna conducted Spurious Emission	1/3 Mbps	00/39/78	-

For STBT038 (AB1565M)

Test Items	Test mode	Channel	Note
Transmitter Radiated Emissions (below 1GHz)	1 Mbps	00	-
Transmitter Radiated Emissions (above 1GHz)	1/3 Mbps	00/78	Bandedge
	1/3 Mbps	00/39/78	Harmonic
Transmitter Radiated Emissions (above 18GHz)	1 Mbps	00	-
Number of Hopping Frequency	1/3 Mbps	00~78	-
Average Time of Occupancy	1/3 Mbps	00/39/78	-
Hopping Channel Separation	1/3 Mbps	00/39/78	-
Bandwidth	1/3 Mbps	00/39/78	-
Peak Output Power	1/2/3 Mbps	00/39/78	-
Antenna conducted Spurious Emission	1/3 Mbps	00/39/78	-

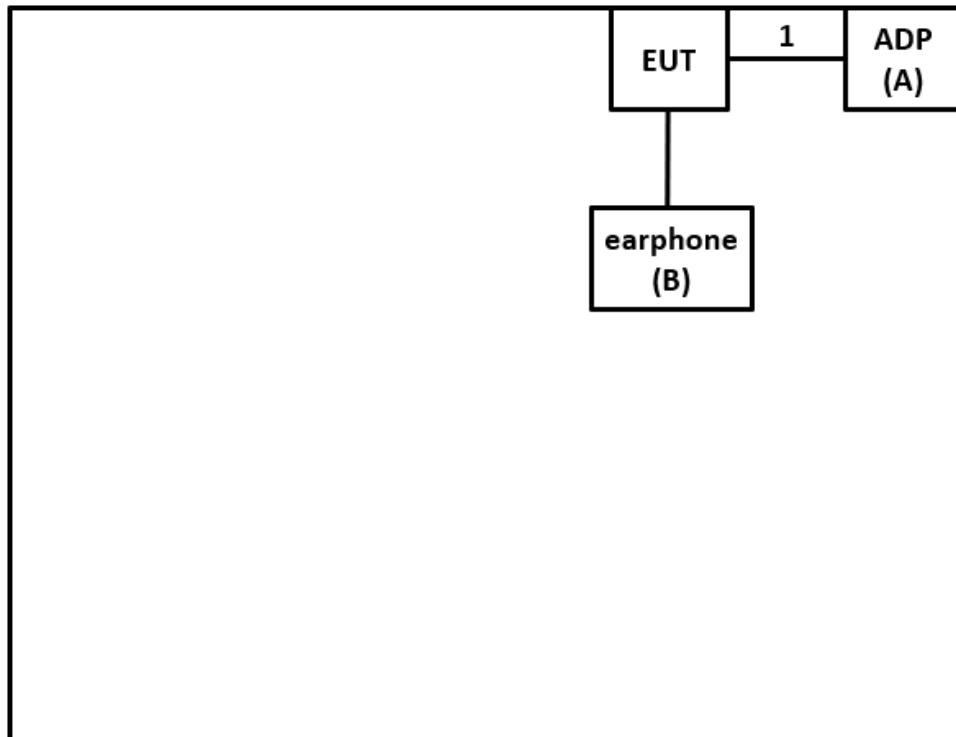
### NOTE:

- (1) For radiated emission band edge test, both Vertical and Horizontal are evaluated, but only the worst case (Horizontal) is recorded.
- (2) All X, Y and Z axes are evaluated, but only the worst case (X axis) is recorded.

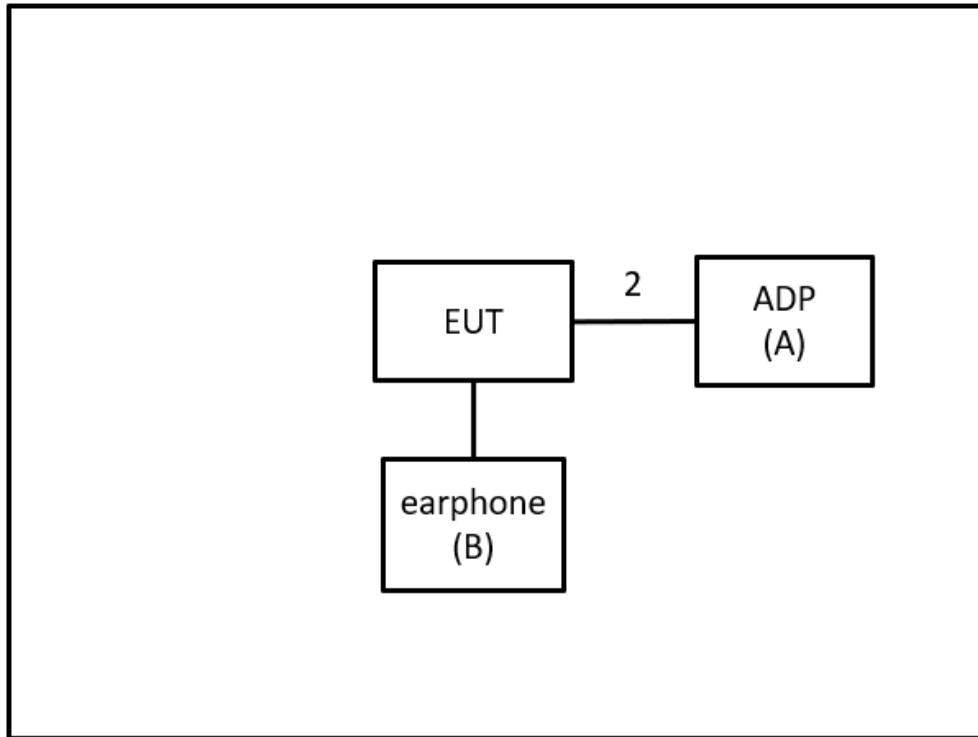
### 2.3 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Equipment letters and Cable numbers refer to item numbers described in the tables of clause 2.4.

AC power line conducted emissions



Radiated Emissions



**2.4 SUPPORT UNITS**

Item	Equipment	Brand	Model No.	Series No.	Remarks
A	ADP	HANG	C6	N/A	Supplied by test requester
B	earphone	世芯	CD-1	N/A	Supplied by test requester

Item	Shielded	Ferrite Core	Length	Cable Type	Remarks
1	N/A	N/A	1m	USB to Type-C	Furnished by test lab.
2	N/A	N/A	1m	TypeC to USB Cable	Furnished by test lab.

### 3 AC POWER LINE CONDUCTED EMISSIONS TEST

#### 3.1 LIMIT

Frequency (MHz)	Limit (dB $\mu$ V)	
	Quasi-peak	Average
0.15 - 0.5	66 - 56 *	56 - 46 *
0.50 - 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

Calculation example:

Reading Level (dB $\mu$ V)		Correct Factor (dB)		Measurement Value (dB $\mu$ V)
38.22	+	3.45	=	41.67

Measurement Value (dB $\mu$ V)		Limit Value (dB $\mu$ V)		Margin Level (dB)
41.67	-	60	=	-18.33

The following table is the setting of the receiver.

Receiver Parameter	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 KHz

#### 3.2 TEST PROCEDURE

- a. The EUT was placed 0.8 m above the horizontal ground plane with the EUT being connected to the power mains through a line impedance stabilization network (LISN).  
All other support equipment were powered from an additional LISN(s).  
The LISN provides 50 Ohm/50uH of 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 to keep the cable above 40 cm.
- c. Excess I/O cables that are not connected to a peripheral shall be bundled in the center.  
The end of the cable will be terminated, using the correct terminating impedance.  
The overall length shall not exceed 1 m.
- d. The LISN is spaced at least 80 cm from the nearest part of the EUT chassis.
- e. For the actual test configuration, please refer to the related Item - EUT TEST PHOTO.

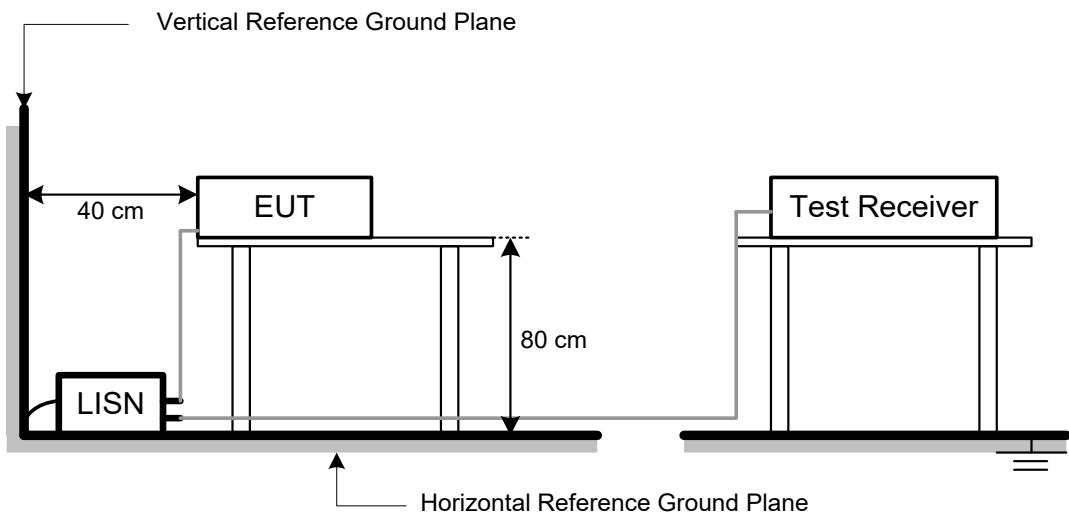
**NOTE:**

- (1) In the results, each reading is marked as Peak, QP or AVG per the detector used.  
BW=9 kHz (6 dB Bandwidth)
- (2) All readings are Peak unless otherwise stated QP or AVG in column of Note. Both the QP and the AVG readings must be less than the limit for compliance.

### 3.3 DEVIATION FROM TEST STANDARD

No deviation.

### 3.4 TEST SETUP



### 3.5 TEST RESULT

Please refer to the APPENDIX A.

## 4 RADIATED EMISSIONS TEST

### 4.1 LIMIT

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

#### LIMITS OF RADIATED EMISSIONS MEASUREMENT (9 kHz to 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
960~1000	500	3

#### LIMITS OF RADIATED EMISSIONS MEASUREMENT (Above 1000 MHz)

Frequency (MHz)	Radiated Emissions (dB $\mu$ V/m)		Measurement Distance (meters)
	Peak	Average	
Above 1000	74	54	3

#### 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 (dB $\mu$ V/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

Calculation example:

Reading Level (dB $\mu$ V)		Correct Factor (dB/m)		Measurement Value (dB $\mu$ V/m)
35.45	+	-11.37	=	24.08

Measurement Value (dB $\mu$ V/m)		Limit Value (dB $\mu$ V/m)		Margin Level (dB)
24.08	-	40	=	-15.92

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RBW / VBW (Emission in restricted band)	1MHz / 3MHz for Peak, 1MHz / 1/T for Average

Spectrum Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9KHz~90KHz for PK/AVG detector
Start ~ Stop Frequency	90KHz~110KHz for QP detector
Start ~ Stop Frequency	110KHz~490KHz for PK/AVG detector
Start ~ Stop Frequency	490KHz~30MHz for QP detector
Start ~ Stop Frequency	30MHz~1000MHz for QP detector

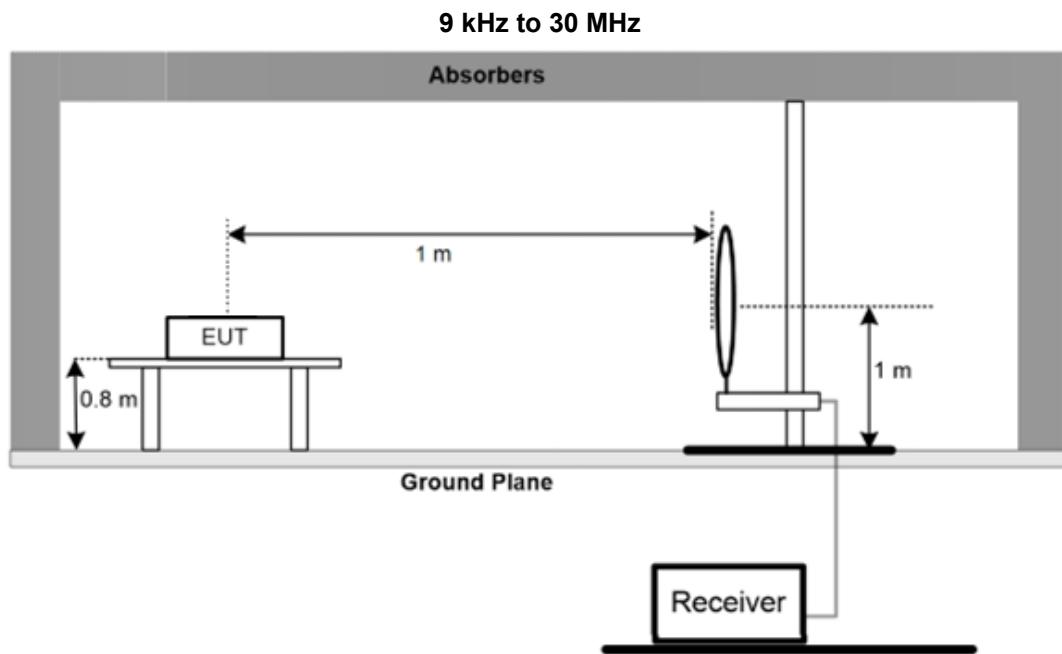
#### 4.2 TEST PROCEDURE

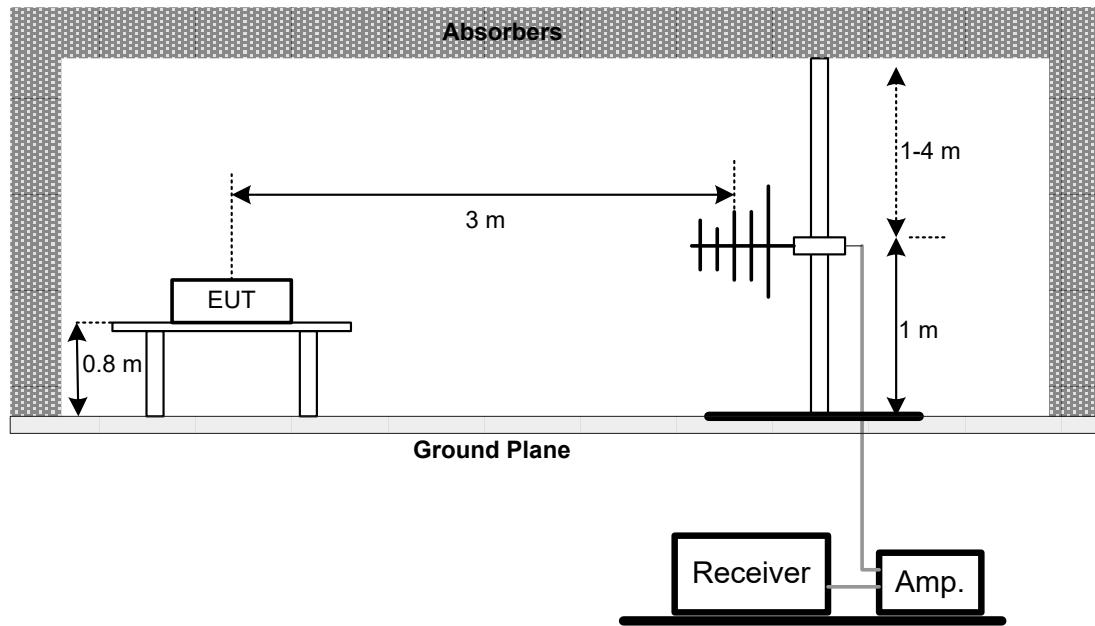
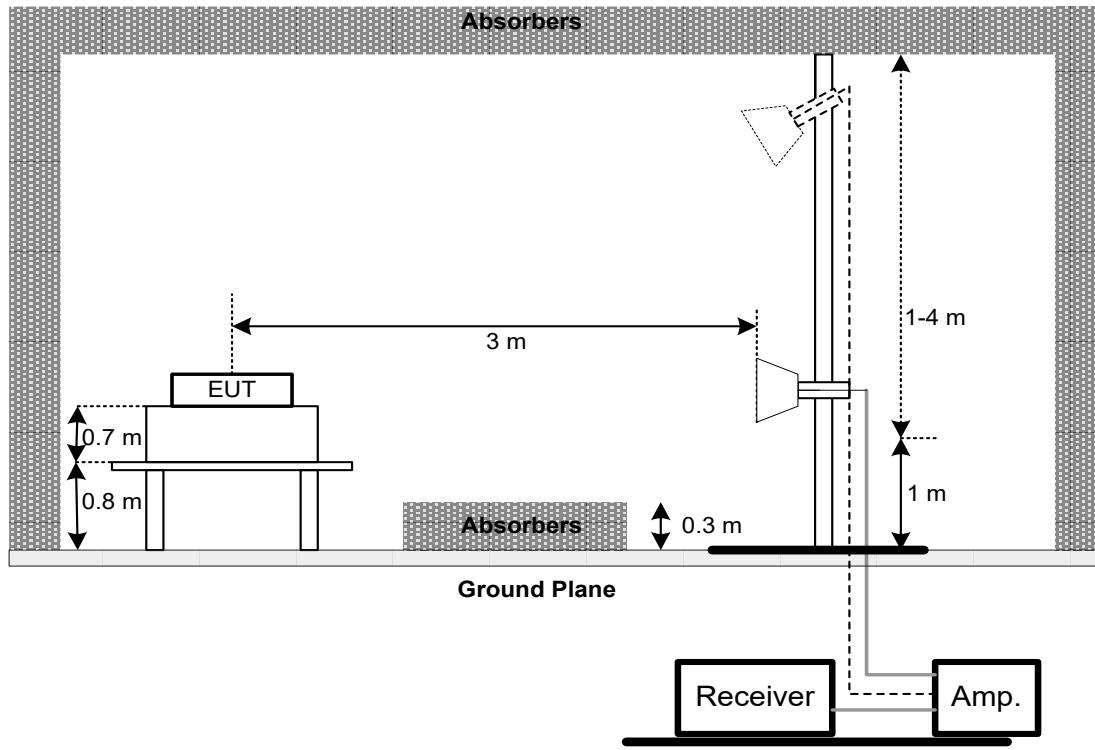
- a. The measuring distance of 1 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 30MHz)
- b. The measuring distance 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 1GHz)
- c. The measuring distance of 3 m 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)
- d. The height of the equipment or of the substitution antenna shall be 0.8 m or 1.5 m, 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.
- e. 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).
- f. The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1GHz.
- g. 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.
- h. 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 1GHz)
- i. 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 1GHz)
- j. For the actual test configuration, please refer to the related Item – EUT TEST PHOTO.

#### 4.3 DEVIATION FROM TEST STANDARD

No deviation.

#### 4.4 TEST SETUP



**30 MHz to 1 GHz****Above 1 GHz****4.5 EUT OPERATING CONDITIONS**

The EUT was programmed to be in continuously transmitting mode.

**4.6 TEST RESULT – 9 KHZ TO 30 MHZ**

Please refer to the APPENDIX B.

**4.7 TEST RESULT – 30 MHZ TO 1 GHZ**

Please refer to the APPENDIX C.

**4.8 TEST RESULT – ABOVE 1 GHZ**

Please refer to the APPENDIX D.

**NOTE:**

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

## 5 NUMBER OF HOPPING CHANNEL

### 5.1 APPLIED PROCEDURES

Section	Test Item	Frequency Range (MHz)	Result
15.247(a)(1)(iii)	Number of Hopping Channel	2400-2483.5	PASS

Spectrum Parameters	Setting
Attenuation	Auto
Span Frequency	> Operating Frequency Range
RBW	100 KHz
VBW	100 KHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

### 5.2 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- Spectrum Setting: RBW=100KHz, VBW=100KHz, Sweep time = Auto.

### 5.3 DEVIATION FROM STANDARD

No deviation.

### 5.4 TEST SETUP



### 5.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 3.5 unless otherwise a special operating condition is specified in the follows during the testing.

### 5.6 TEST RESULTS

Please refer to the APPENDIX E.

## 6 AVERAGE TIME OF OCCUPANCY

### 6.1 APPLIED PROCEDURES / LIMIT

Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(a)(1)(iii)	Average Time of Occupancy	0.4sec	2400-2483.5	PASS

### 6.2 TEST PROCEDURE

- a. The transmitter output (antenna port) was connected to the spectrum analyzer
- b. Set RBW of spectrum analyzer to 1MHz and VBW to 1MHz.
- c. Use a video trigger with the trigger level set to enable triggering only on full pulses.
- d. Sweep Time is more than once pulse time.
- e. Set the center frequency on any frequency would be measure and set the frequency span to zero span.
- f. Measure the maximum time duration of one single pulse.
- g. Set the EUT for DH5, DH3 and DH1 packet transmitting.
- h. Measure the maximum time duration of one single pulse.
- i. Measure the maximum time duration of one single pulse.

A Period Time = (channel number) \* 0.4

For Non-AFH Mode (79 Channel):

DH1 Time Solt: Reading \* (1600/6)/79 \* (0.4 \* 79)

DH3 Time Solt: Reading \* (1600/6)/79 \* (0.4 \* 79)

DH5 Time Solt: Reading \* (1600/6)/79 \* (0.4 \* 79)

For AFH Mode (20 Channel):

DH1 Time Solt: Reading \* (800/6)/20 \* (0.4 \* 20)

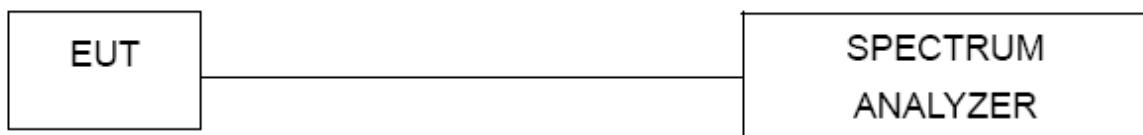
DH3 Time Solt: Reading \* (800/6)/20 \* (0.4 \* 20)

DH5 Time Solt: Reading \* (800/6)/20 \* (0.4 \* 20)

### 6.3 DEVIATION FROM STANDARD

No deviation.

### 6.4 TEST SETUP



### 6.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 3.5 unless otherwise a special operating condition is specified in the follows during the testing.

### 6.6 TEST RESULTS

Please refer to the APPENDIX F.

## 7 Hopping Channel Separation Measurement

### 7.1 APPLIED PROCEDURES / LIMIT

Frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 KHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	> Measurement Bandwidth or Channel Separation
RBW	30 KHz
VBW	100 KHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

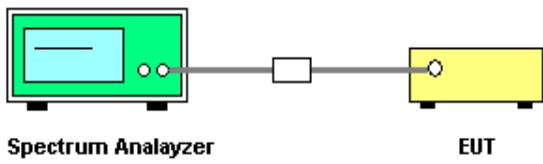
### 7.2 TEST PROCEDURE

- The EUT must have its hopping function enabled
- Span = wide enough to capture the peaks of two adjacent channels  
Resolution (or IF) Bandwidth (RBW)  $\geq$  1% of the span  
Video (or Average) Bandwidth (VBW)  $\geq$  RBW  
Sweep = Auto  
Detector function = Peak  
Trace = Max Hold

### 7.3 DEVIATION FROM STANDARD

No deviation.

### 7.4 TEST SETUP



### 7.5 TEST RESULTS

Please refer to the APPENDIX G.

## 8 BANDWIDTH TEST

### 8.1 APPLIED PROCEDURES

Section	Test Item	Frequency Range (MHz)
15.247(a)(2)	Bandwidth	2400-2483.5

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	> Measurement Bandwidth or Channel Separation
RBW	30 KHz (20dB Bandwidth) / 30 KHz (Channel Separation)
VBW	100 KHz (20dB Bandwidth) / 100 KHz (Channel Separation)
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

### 8.2 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- Spectrum Setting: RBW= 30KHz, VBW=100KHz, Sweep Time = Auto.

### 8.3 DEVIATION FROM STANDARD

No deviation.

### 8.4 TEST SETUP



### 8.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 3.5 unless otherwise a special operating condition is specified in the follows during the testing.

### 8.6 TEST RESULTS

Please refer to the APPENDIX H.

## 9 OUTPUT POWER TEST

### 9.1 APPLIED PROCEDURES / LIMIT

Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(b)(1)	Peak Output Power	0.125Watt or 21dBm	2400-2483.5	PASS

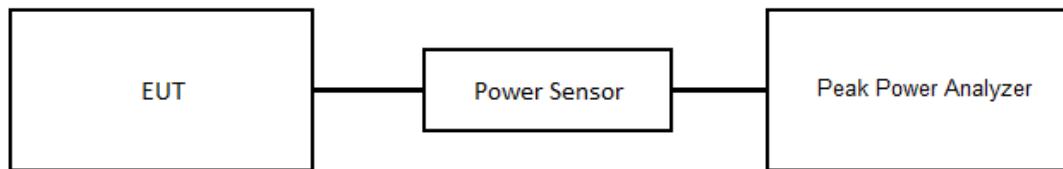
### 9.2 TEST PROCEDURE

- a. The EUT was directly connected to the peak power analyzer and antenna output port as show in the block diagram below,
- b. Spectrum Setting: RBW= 3MHz, VBW= 3MHz, Sweep time = Auto.

### 9.3 DEVIATION FROM STANDARD

No deviation.

### 9.4 TEST SETUP



### 9.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 3.5 unless otherwise a special operating condition is specified in the follows during the testing.

### 9.6 TEST RESULTS

Please refer to the APPENDIX I.

## 10 ANTENNA CONDUCTED SPURIOUS EMISSION

### 10.1 APPLIED PROCEDURES / LIMIT

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced 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 that the transmitter demonstrates compliance with the peak conducted power limits.

### 10.2 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- b. Spectrum Setting: RBW= 100KHz, VBW=100KHz, Sweep time = Auto.
- c. Offset=antenna gain+cable loss

### 10.3 DEVIATION FROM STANDARD

No deviation.

### 10.4 TEST SETUP



### 10.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 3.5 unless otherwise a special operating condition is specified in the follows during the testing.

### 10.6 TEST RESULTS

Please refer to the APPENDIX J.

## 11 LIST OF MEASURING EQUIPMENTS

AC Power Line Conducted Emissions						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	TWO-LINE V-NETWORK	R&S	ENV216	101497	2024/5/20	2025/5/19
2	Test Cable	EMCI	EMC400-BM-BM-5000	170501	2024/7/31	2025/7/30
3	EMI Test Receiver	R&S	ESR3	102950	2024/4/12	2025/4/11
4	Measurement Software	EZ	EZ_EMC (Version NB-03A1-01)	N/A	N/A	N/A

Radiated Emissions						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Preamplifier	EMCI	EMC330N	980850	2024/9/5	2025/9/4
2	Preamplifier	EMCI	EMC118A45SE	980819	2025/3/5	2026/3/4
3	Pre-Amplifier	EMCI	EMC184045SE	980907	2024/9/4	2025/9/3
4	Preamplifier	EMCI	EMC001340	980579	2024/9/4	2025/9/3
5	Test Cable	EMCI	EMC104-SM-1000	180809	2025/3/5	2026/3/4
6	Test Cable	EMCI	EMC104-SM-SM-3000	220322	2025/3/5	2026/3/4
7	Test Cable	EMCI	EMC104-SM-SM-7000	220324	2025/3/5	2026/3/4
8	EXA Signal Analyzer	keysight	N9020B	MY57120120	2025/2/19	2026/2/18
9	Loop Ant	Electro-Metrics	EMCI-LPA600	291	2024/9/9	2025/9/8
10	Horn Antenna	RFSPIN	DRH18-E	211202A18EN	2024/5/9	2025/5/8
11	Horn Ant	Schwarzbeck	BBHA 9170D	1136	2024/5/17	2025/5/16
12	Log-bicon Antenna	Schwarzbeck	VULB9168	1369	2024/6/14	2025/6/13
13	6dB Attenuator	EMCI	EMCI-N-6-06	AT-06001	2024/6/14	2025/6/13
14	Test Cable	EMCI	EMC101G-KM-K M-3000	220329	2025/3/12	2026/3/11
15	Test Cable	EMCI	EMC102-KM-KM-1000	220327	2025/3/12	2026/3/11
16	Measurement Software	EZ	EZ_EMC (Version NB-03A1-01)	N/A	N/A	N/A

Number of Hopping Frequency						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Spectrum Analyzer	R&S	FSP 40	101139	2025/3/7	2026/3/6

Average Time of Occupancy						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Spectrum Analyzer	R&S	FSP 40	101139	2025/3/7	2026/3/6

**Hopping Channel Separation**

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Spectrum Analyzer	R&S	FSP 40	101139	2025/3/7	2026/3/6

**Bandwidth**

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Spectrum Analyzer	R&S	FSP 40	101139	2025/3/7	2026/3/6

**Output Power**

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Peak Power Analyzer	Keysight	8990B	MY51000517	2025/3/16	2026/3/15
2	Power Sensor	Keysight	N1923A	MY58310005	2025/3/18	2026/3/17

**Antenna conducted Spurious Emission**

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated Date	Calibrated Until
1	Spectrum Analyzer	R&S	FSP 40	101139	2025/3/7	2026/3/6

Remark: "N/A" denotes no model name, no serial no. or no calibration specified.

All calibration period of equipment list is one year.

**12 EUT TEST PHOTO**

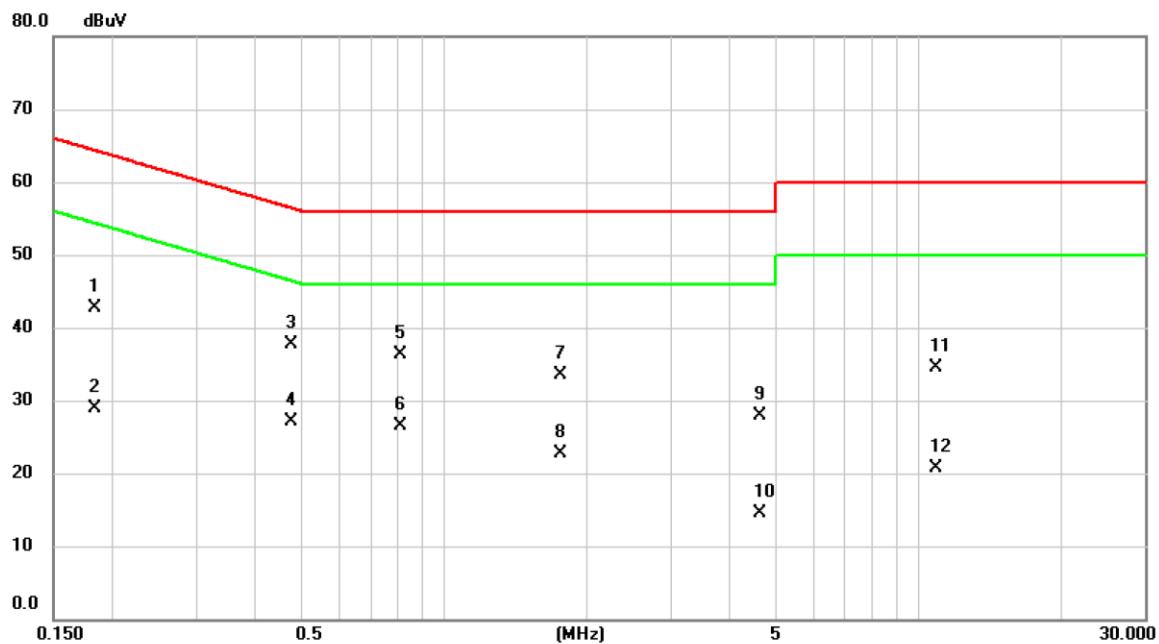
Please refer to document Appendix No.: TP-2407T078A-FCCP-1 (APPENDIX-TEST PHOTOS).

**13 EUT PHOTOS**

Please refer to document Appendix No.: EP-2407T078A-1 (APPENDIX-EUT PHOTOS).

## APPENDIX A AC POWER LINE CONDUCTED EMISSIONS

Test Mode	Normal	Tested Date	2025/3/18
Test Frequency	-	Phase	Line

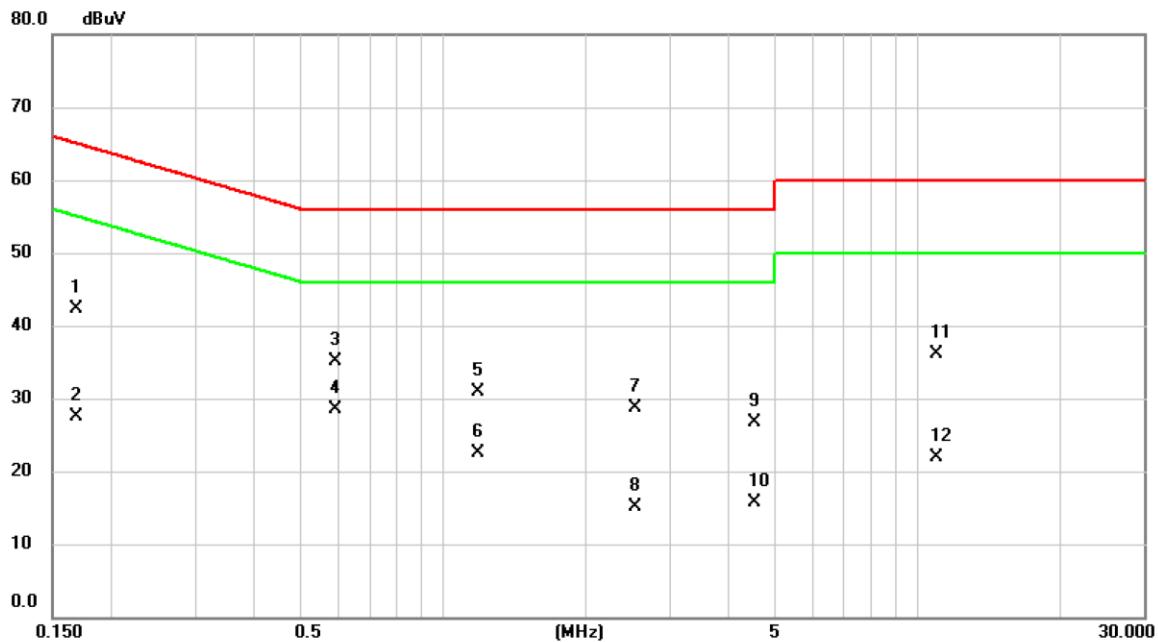


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Detector	Comment
			Level	Factor	ment				
MHz		dBuV	dB	dBuV	dBuV	dB			
1	0.1838	33.17	9.59	42.76	64.31	-21.55	QP		
2	0.1838	19.33	9.59	28.92	54.31	-25.39	AVG		
3 *	0.4762	28.09	9.58	37.67	56.41	-18.74	QP		
4	0.4762	17.48	9.58	27.06	46.41	-19.35	AVG		
5	0.8070	26.72	9.61	36.33	56.00	-19.67	QP		
6	0.8070	16.93	9.61	26.54	46.00	-19.46	AVG		
7	1.7610	23.96	9.64	33.60	56.00	-22.40	QP		
8	1.7610	13.03	9.64	22.67	46.00	-23.33	AVG		
9	4.6230	18.18	9.75	27.93	56.00	-28.07	QP		
10	4.6230	4.78	9.75	14.53	46.00	-31.47	AVG		
11	10.9095	24.55	9.87	34.42	60.00	-25.58	QP		
12	10.9095	10.76	9.87	20.63	50.00	-29.37	AVG		

## REMARKS:

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

Test Mode	Normal	Tested Date	2025/3/18
Test Frequency	-	Phase	Neutral

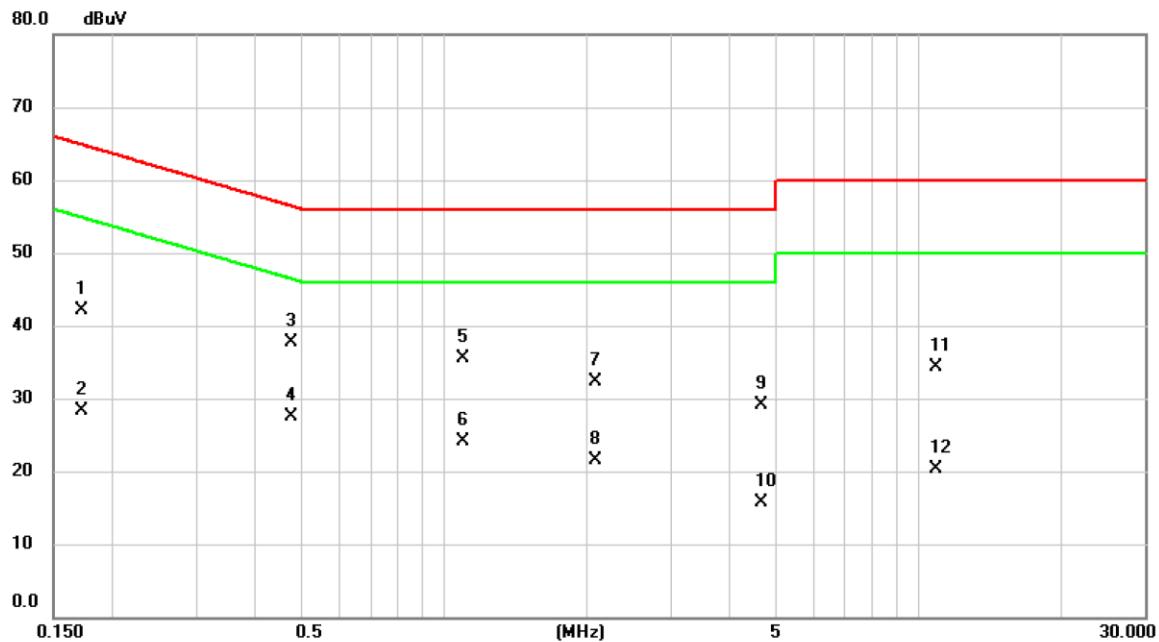


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Detector	Comment
			Level	Factor	ment				
MHz		dBuV	dB	dBuV	dBuV	dB			
1		0.1680	32.82	9.57	42.39	65.06	-22.67	QP	
2		0.1680	17.94	9.57	27.51	55.06	-27.55	AVG	
3		0.5910	25.45	9.60	35.05	56.00	-20.95	QP	
4	*	0.5910	18.88	9.60	28.48	46.00	-17.52	AVG	
5		1.1805	21.20	9.63	30.83	56.00	-25.17	QP	
6		1.1805	12.83	9.63	22.46	46.00	-23.54	AVG	
7		2.5463	19.10	9.68	28.78	56.00	-27.22	QP	
8		2.5463	5.50	9.68	15.18	46.00	-30.82	AVG	
9		4.5375	16.83	9.78	26.61	56.00	-29.39	QP	
10		4.5375	5.94	9.78	15.72	46.00	-30.28	AVG	
11		10.9343	26.23	9.92	36.15	60.00	-23.85	QP	
12		10.9343	11.91	9.92	21.83	50.00	-28.17	AVG	

## REMARKS:

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

Test Mode	Idle	Tested Date	2025/3/18
Test Frequency	-	Phase	Line

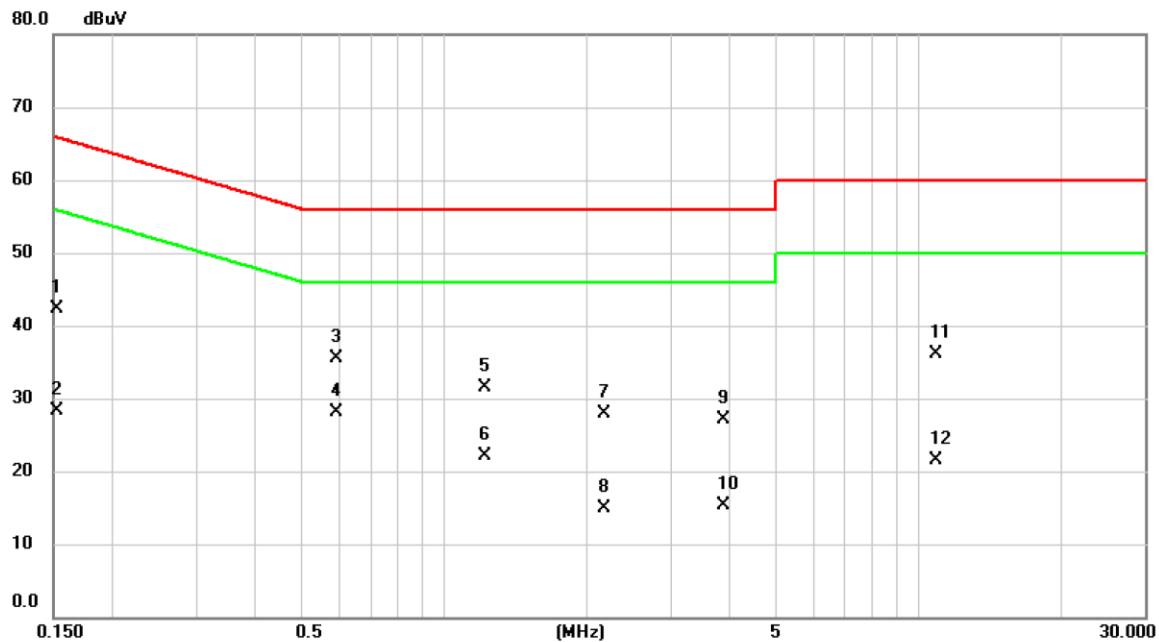


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Detector	Comment
			Level	Factor	ment				
MHz		dBuV	dB	dBuV	dBuV	dB			
1		0.1725	32.49	9.59	42.08	64.84	-22.76	QP	
2		0.1725	18.74	9.59	28.33	54.84	-26.51	AVG	
3	*	0.4762	28.18	9.58	37.76	56.41	-18.65	QP	
4		0.4762	17.89	9.58	27.47	46.41	-18.94	AVG	
5		1.0995	25.88	9.62	35.50	56.00	-20.50	QP	
6		1.0995	14.54	9.62	24.16	46.00	-21.84	AVG	
7		2.0850	22.69	9.64	32.33	56.00	-23.67	QP	
8		2.0850	11.95	9.64	21.59	46.00	-24.41	AVG	
9		4.6523	19.29	9.76	29.05	56.00	-26.95	QP	
10		4.6523	5.88	9.76	15.64	46.00	-30.36	AVG	
11		10.9050	24.40	9.87	34.27	60.00	-25.73	QP	
12		10.9050	10.53	9.87	20.40	50.00	-29.60	AVG	

## REMARKS:

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

Test Mode	Idle	Tested Date	2025/3/18
Test Frequency	-	Phase	Neutral



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Detector	Comment
			Level	Factor	ment				
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.1522	32.83	9.57	42.40	65.88	-23.48	QP	
2		0.1522	18.75	9.57	28.32	55.88	-27.56	AVG	
3		0.5910	25.83	9.60	35.43	56.00	-20.57	QP	
4	*	0.5910	18.50	9.60	28.10	46.00	-17.90	AVG	
5		1.2164	21.79	9.63	31.42	56.00	-24.58	QP	
6		1.2164	12.52	9.63	22.15	46.00	-23.85	AVG	
7		2.1750	18.34	9.66	28.00	56.00	-28.00	QP	
8		2.1750	5.18	9.66	14.84	46.00	-31.16	AVG	
9		3.8715	17.38	9.75	27.13	56.00	-28.87	QP	
10		3.8715	5.64	9.75	15.39	46.00	-30.61	AVG	
11		10.8938	26.21	9.92	36.13	60.00	-23.87	QP	
12		10.8938	11.49	9.92	21.41	50.00	-28.59	AVG	

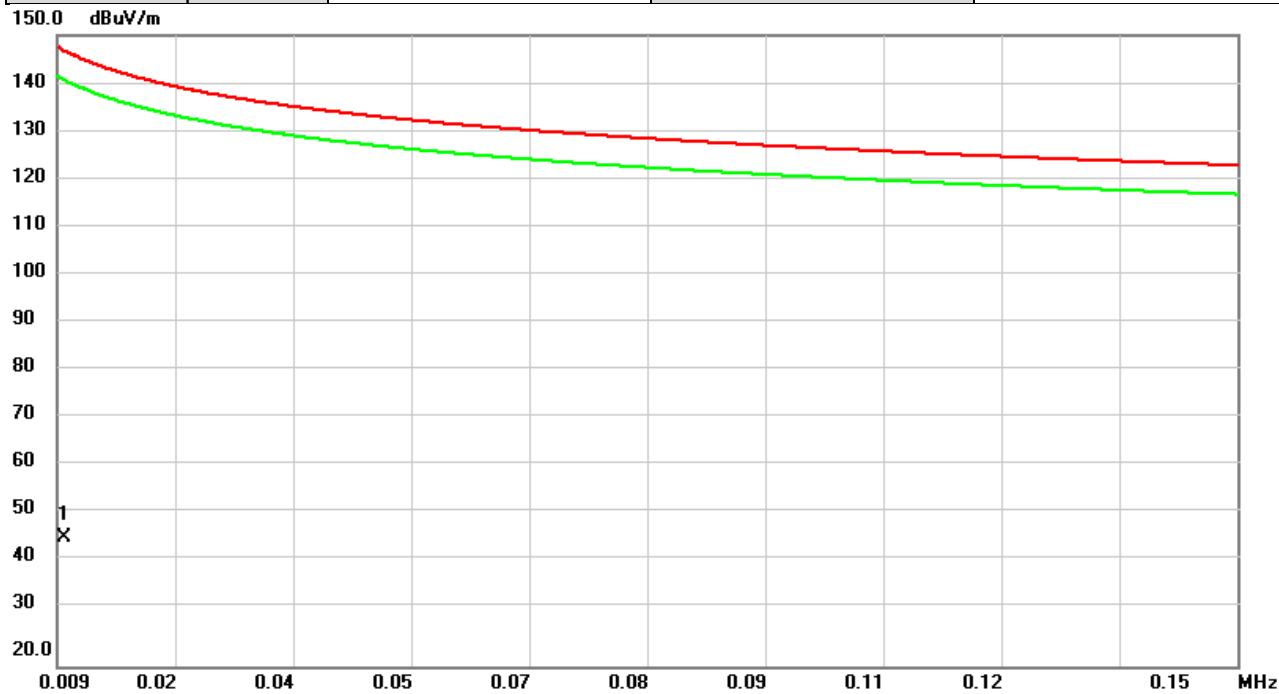
## REMARKS:

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

**APPENDIX B RADIATED EMISSIONS - 9 KHZ TO 30 MHZ**

For CSR 8635

Test Mode	BT (1 Mbps)	Test Date	2025/4/9
Test Frequency	2480MHz	Polarization	Vertical
Temp	26°C	Hum.	62%

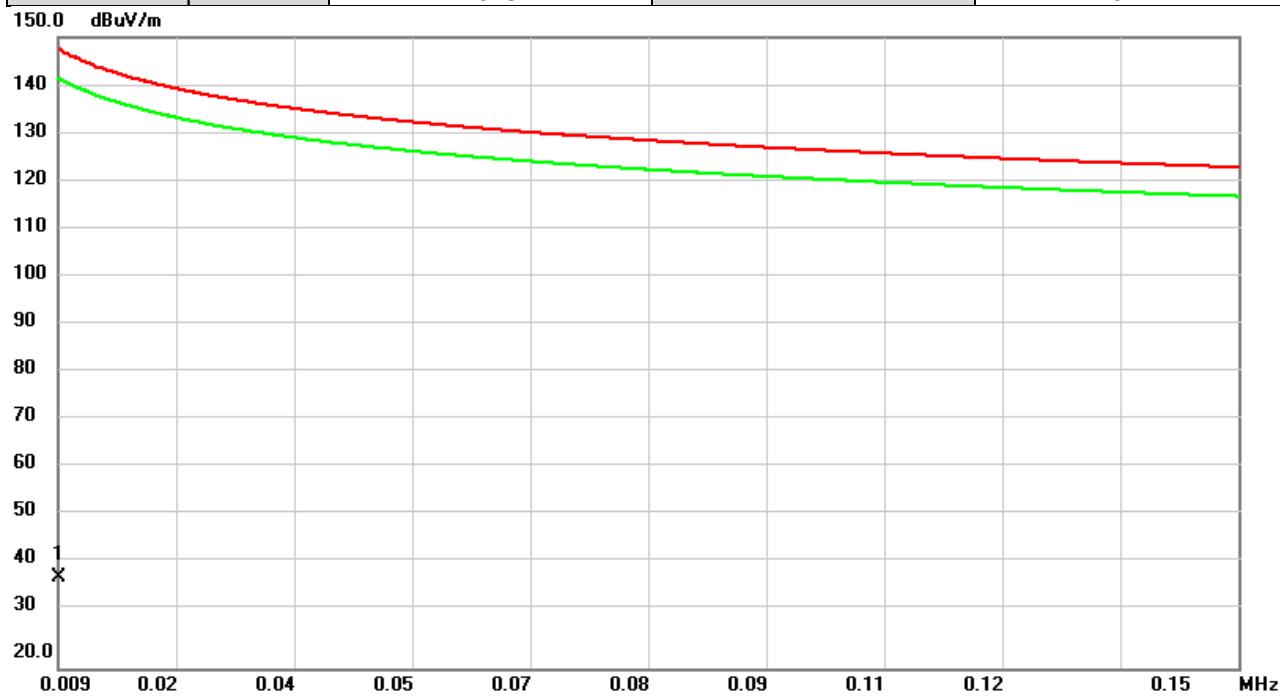


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over
			Level	Factor	ment		
1	*	0.0098	10.67	35.73	46.40	146.86	-100.46 AVG

## REMARKS:

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

Test Mode	BT (1 Mbps)	Test Date	2025/4/9
Test Frequency	2480MHz	Polarization	Horizontal
Temp	26°C	Hum.	62%

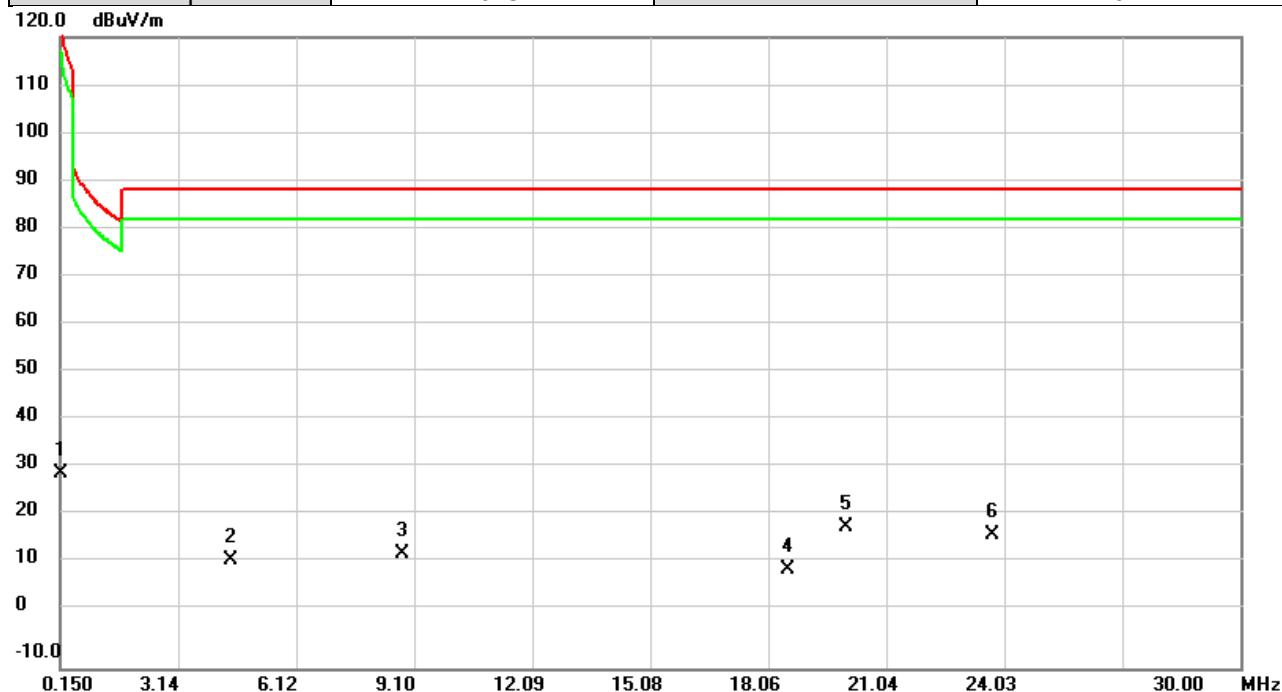


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0090	2.53	36.05	38.58	147.60	-109.02	AVG	

## REMARKS:

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

Test Mode	BT (1 Mbps)	Test Date	2025/4/9
Test Frequency	2480MHz	Polarization	Vertical
Temp	26°C	Hum.	62%

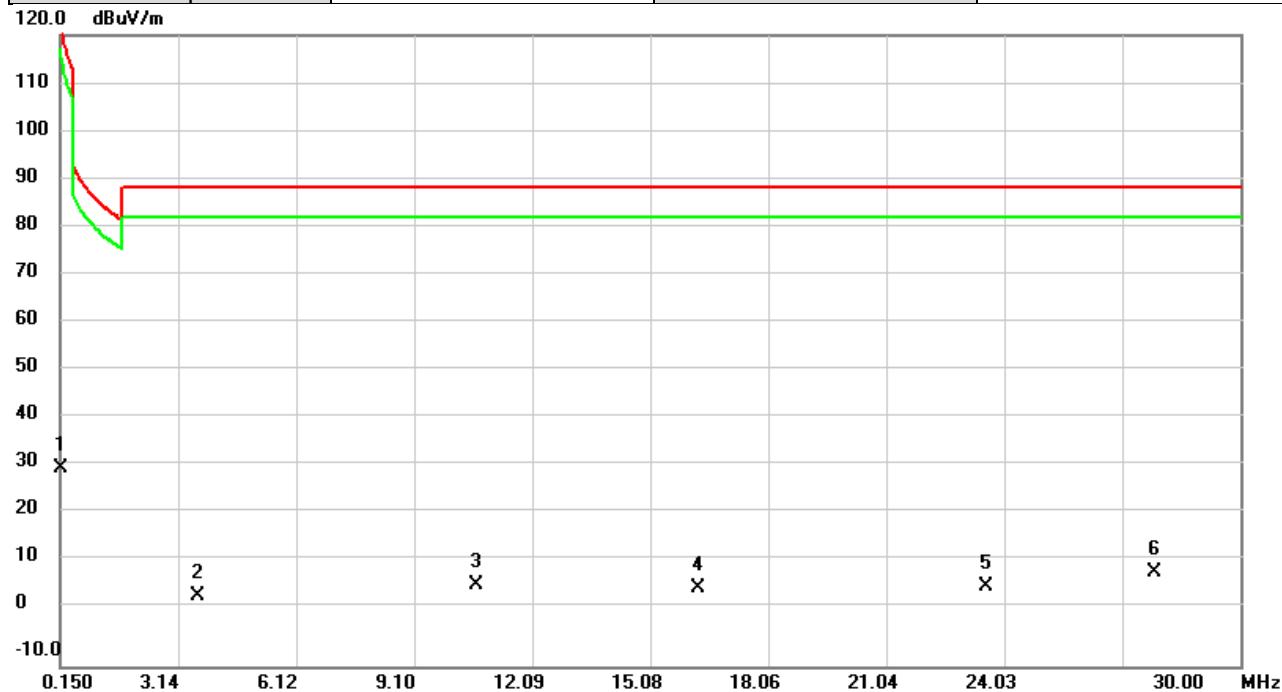


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.1500	16.08	13.97	30.05	123.16	-93.11	AVG	
2		4.4553	16.49	-4.21	12.28	88.62	-76.34	QP	
3		8.7924	16.95	-3.32	13.63	88.62	-74.99	QP	
4		18.5614	13.99	-3.79	10.20	88.62	-78.42	QP	
5	*	20.0221	23.01	-3.93	19.08	88.62	-69.54	QP	
6		23.7443	20.55	-3.19	17.36	88.62	-71.26	QP	

## REMARKS:

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

Test Mode	BT (1 Mbps)	Test Date	2025/4/9
Test Frequency	2480MHz	Polarization	Horizontal
Temp	26°C	Hum.	62%



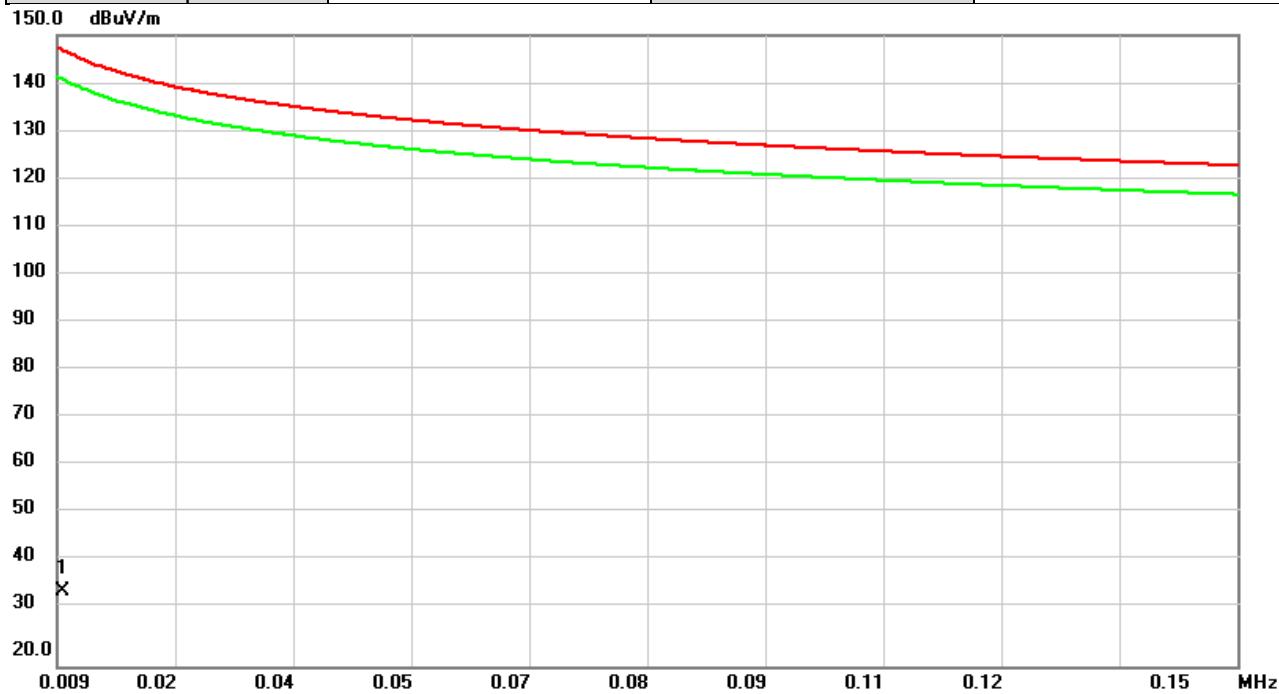
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB
1		0.1500	16.74	13.97	30.71	123.16	-92.45
2		3.6245	8.52	-3.96	4.56	88.62	-84.06
3		10.6582	9.84	-3.05	6.79	88.62	-81.83
4		16.2960	9.66	-3.58	6.08	88.62	-82.54
5		23.5763	9.76	-3.22	6.54	88.62	-82.08
6	*	27.8418	11.66	-2.39	9.27	88.62	-79.35

## REMARKS:

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

For STBT038 (AB1565M)

Test Mode	BT (1 Mbps)	Test Date	2025/4/9
Test Frequency	2402MHz	Polarization	Vertical
Temp	26°C	Hum.	62%

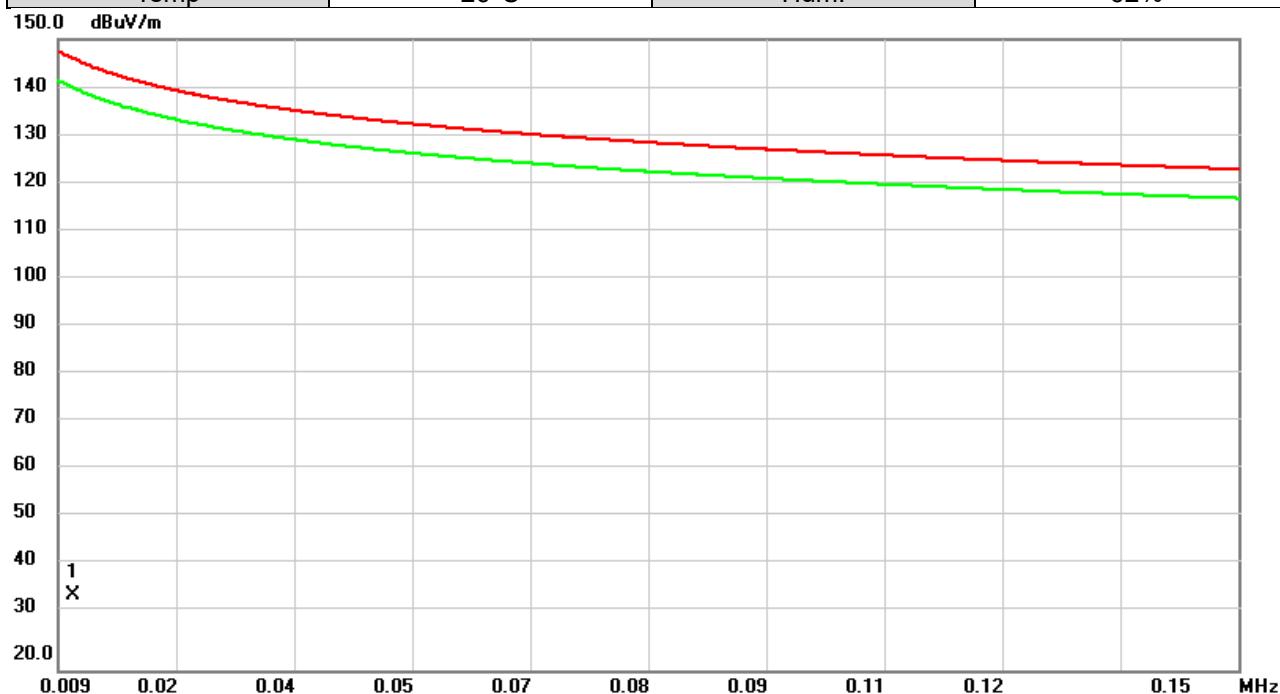


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0096	-0.34	35.81	35.47	147.04	-111.57	AVG	

## REMARKS:

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

Test Mode	BT (1 Mbps)	Test Date	2025/4/9
Test Frequency	2402MHz	Polarization	Horizontal
Temp	26°C	Hum.	62%

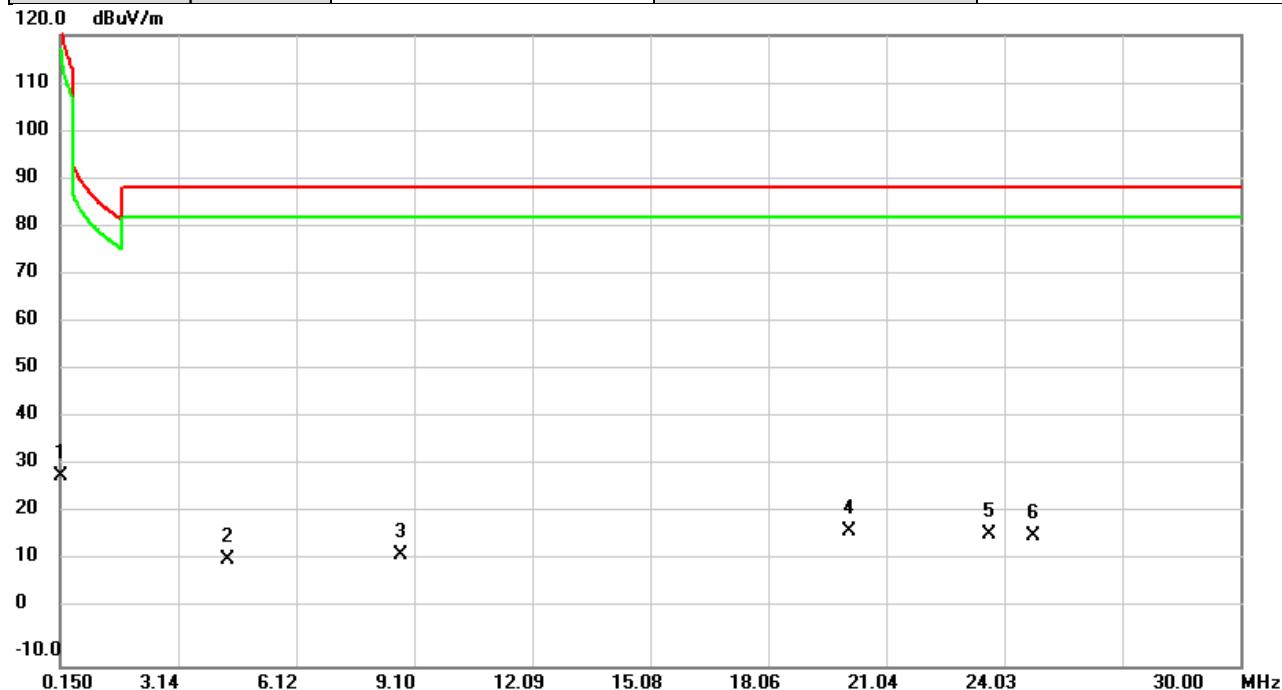


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB
1	*	0.0108	0.05	35.35	35.40	146.02	-110.62 AVG

## REMARKS:

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

Test Mode	BT (1 Mbps)	Test Date	2025/4/9
Test Frequency	2402MHz	Polarization	Vertical
Temp	26°C	Hum.	62%

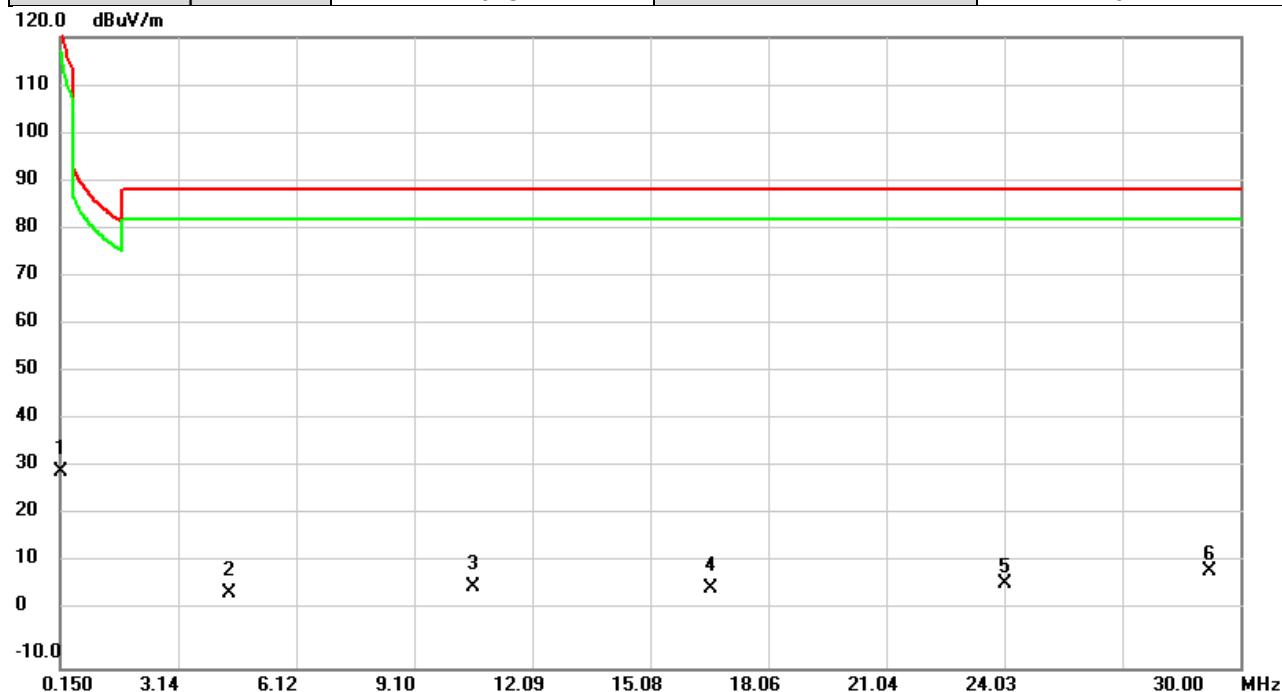


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.1500	15.12	13.97	29.09	123.16	-94.07	AVG	
2		4.3907	16.14	-4.19	11.95	88.62	-76.67	QP	
3		8.7856	16.16	-3.32	12.84	88.62	-75.78	QP	
4	*	20.0998	21.62	-3.91	17.71	88.62	-70.91	QP	
5		23.6370	20.50	-3.21	17.29	88.62	-71.33	QP	
6		24.7483	19.96	-3.00	16.96	88.62	-71.66	QP	

## REMARKS:

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

Test Mode	BT (1 Mbps)	Test Date	2025/4/9
Test Frequency	2402MHz	Polarization	Horizontal
Temp	26°C	Hum.	62%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.1500	16.51	13.97	30.48	123.16	-92.68	AVG	
2		4.4115	9.56	-4.20	5.36	88.62	-83.26	QP	
3		10.5864	9.85	-3.04	6.81	88.62	-81.81	QP	
4		16.6222	10.04	-3.61	6.43	88.62	-82.19	QP	
5		24.0697	10.39	-3.14	7.25	88.62	-81.37	QP	
6	*	29.2140	12.18	-2.13	10.05	88.62	-78.57	QP	

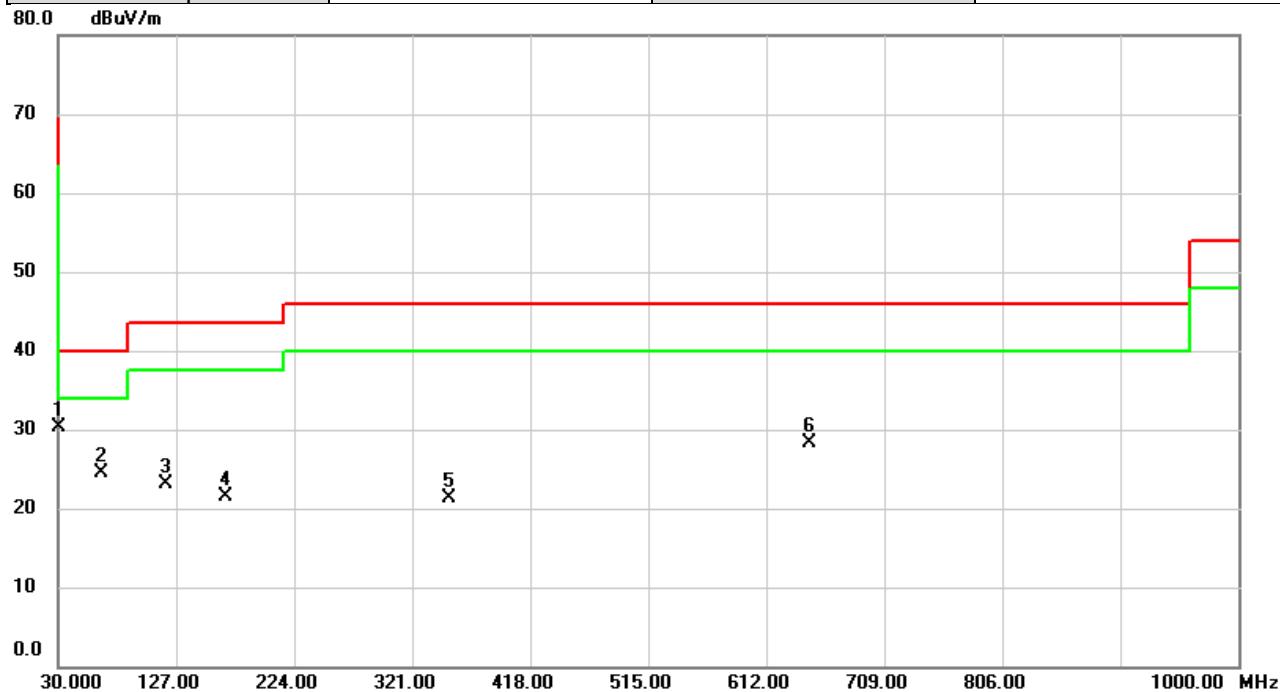
## REMARKS:

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

**APPENDIX C RADIATED EMISSIONS - 30 MHZ TO 1 GHZ**

For CSR 8635

Test Mode	BT (1 Mbps)	Test Date	2025/4/8
Test Frequency	2480MHz	Polarization	Vertical
Temp	25°C	Hum.	66%

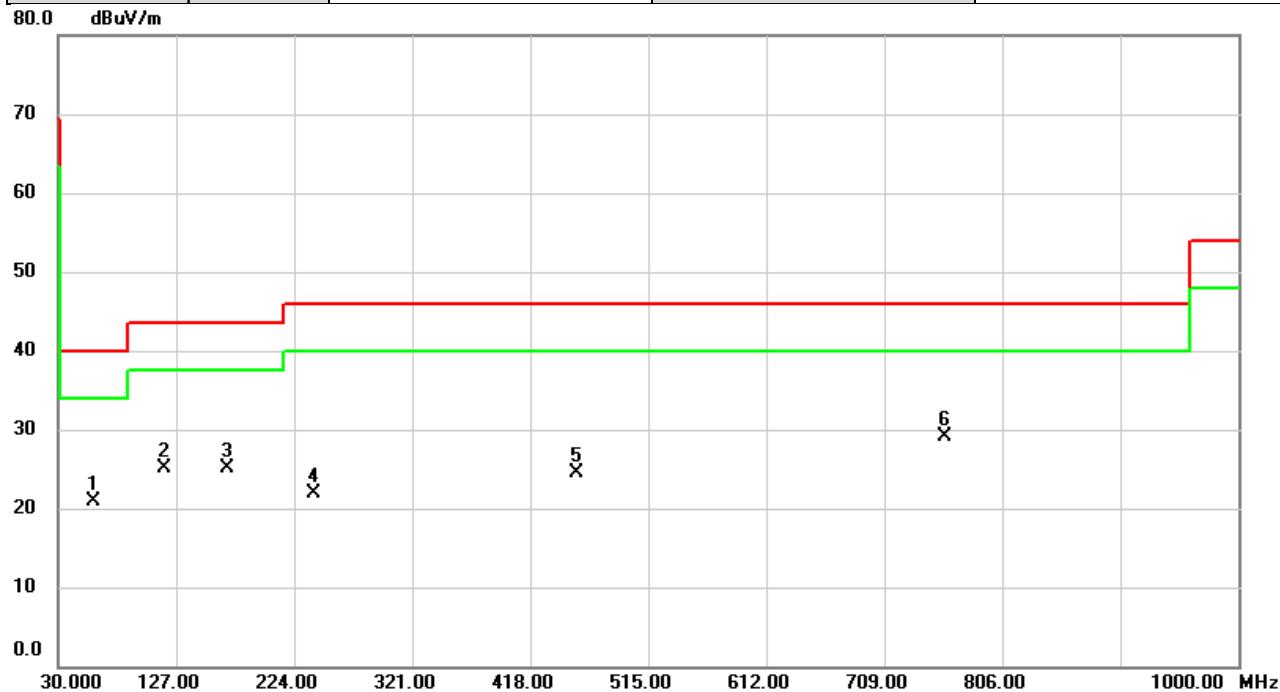


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	30.0000	43.64	-13.40	30.24	40.00	-9.76	peak	
2		65.1140	37.98	-13.40	24.58	40.00	-15.42	peak	
3		118.4640	37.63	-14.43	23.20	43.50	-20.30	peak	
4		167.6753	33.86	-12.30	21.56	43.50	-21.94	peak	
5		351.7165	31.47	-10.24	21.23	46.00	-24.77	peak	
6		647.9223	31.66	-3.34	28.32	46.00	-17.68	peak	

## REMARKS:

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

Test Mode	BT (1 Mbps)	Test Date	2025/4/8
Test Frequency	2480MHz	Polarization	Horizontal
Temp	25°C	Hum.	66%



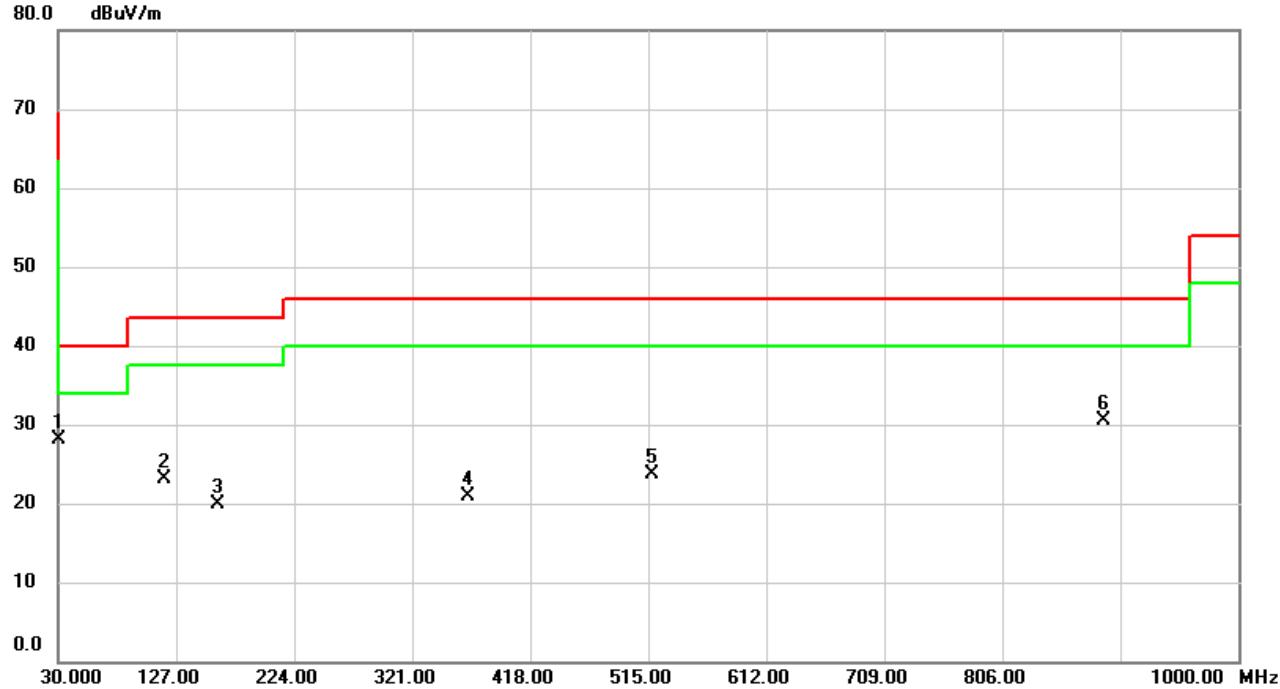
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB
1		58.5503	33.12	-12.28	20.84	40.00	-19.16
2		117.3323	39.71	-14.52	25.19	43.50	-18.31
3		168.5160	37.39	-12.36	25.03	43.50	-18.47
4		240.0050	35.33	-13.49	21.84	46.00	-24.16
5		456.4767	31.59	-7.05	24.54	46.00	-21.46
6	*	758.2760	30.63	-1.49	29.14	46.00	-16.86

## REMARKS:

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

For STBT038 (AB1565M)

Test Mode	BT (1 Mbps)	Test Date	2025/4/8
Test Frequency	2402MHz	Polarization	Vertical
Temp	25°C	Hum.	66%

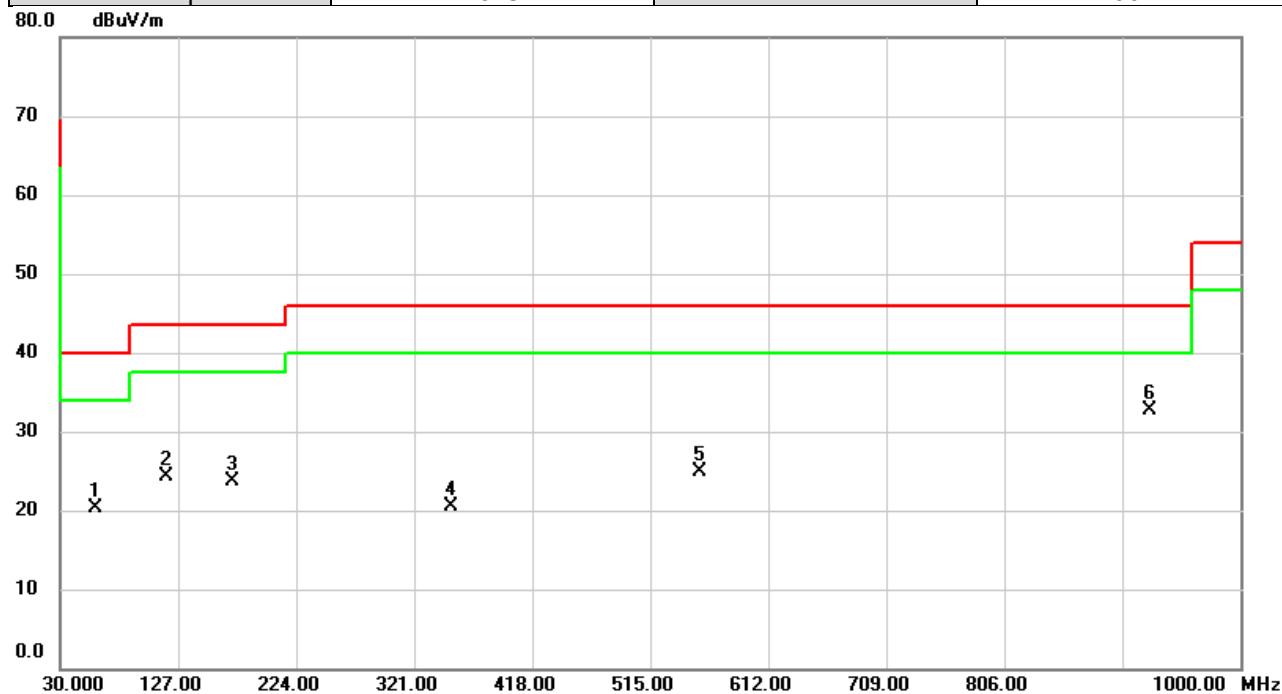


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	30.0000	42.10	-14.06	28.04	40.00	-11.96	peak	
2		116.7180	38.63	-15.53	23.10	43.50	-20.40	peak	
3		161.6613	33.18	-13.21	19.97	43.50	-23.53	peak	
4		366.7516	31.56	-10.72	20.84	46.00	-25.16	peak	
5		518.1040	30.88	-7.17	23.71	46.00	-22.29	peak	
6		889.0320	31.41	-0.91	30.50	46.00	-15.50	peak	

## REMARKS:

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

Test Mode	BT (1 Mbps)	Test Date	2025/4/8
Test Frequency	2402MHz	Polarization	Horizontal
Temp	25°C	Hum.	66%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		59.2940	33.25	-12.95	20.30	40.00	-19.70	peak	
2		117.3646	39.88	-15.48	24.40	43.50	-19.10	peak	
3		171.1350	37.42	-13.77	23.65	43.50	-19.85	peak	
4		351.9753	31.60	-11.15	20.45	46.00	-25.55	peak	
5		555.5460	31.45	-6.48	24.97	46.00	-21.03	peak	
6	*	925.0190	32.94	-0.32	32.62	46.00	-13.38	peak	

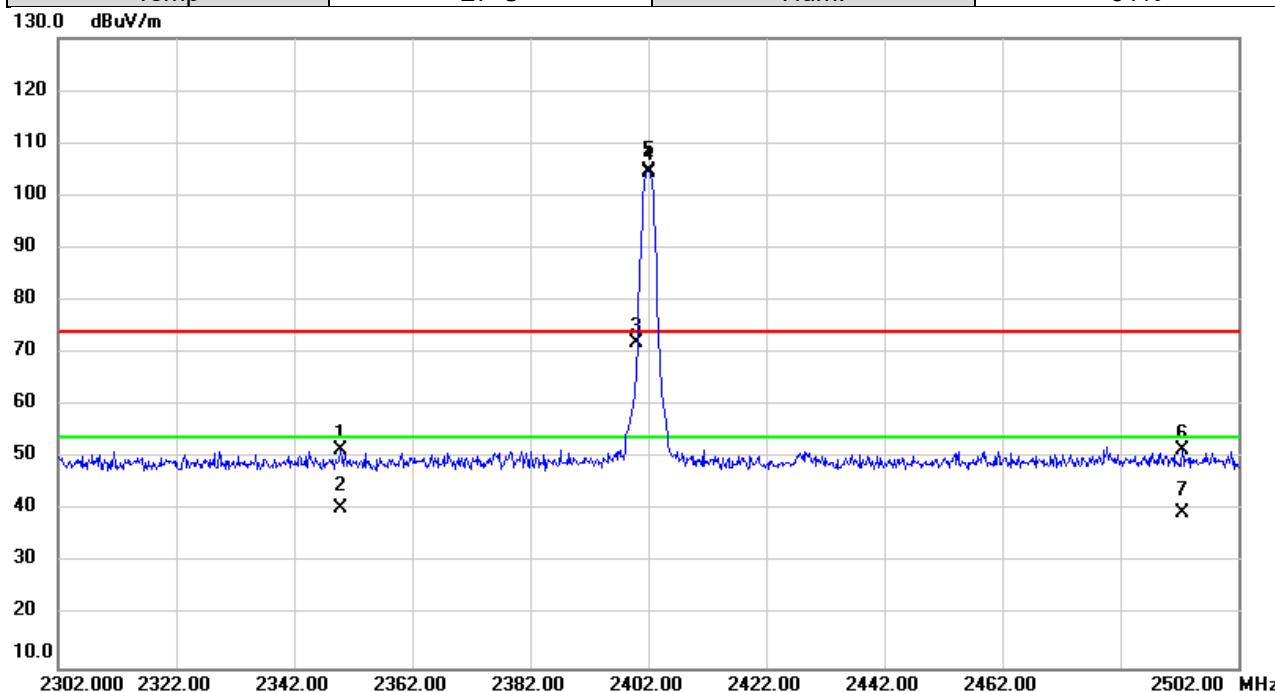
## REMARKS:

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

**APPENDIX D RADIATED EMISSIONS - ABOVE 1 GHZ**

For CSR 8635

Test Mode	BT (1 Mbps)	Test Date	2025/4/7
Test Frequency	2402MHz	Polarization	Horizontal
Temp	27°C	Hum.	61%

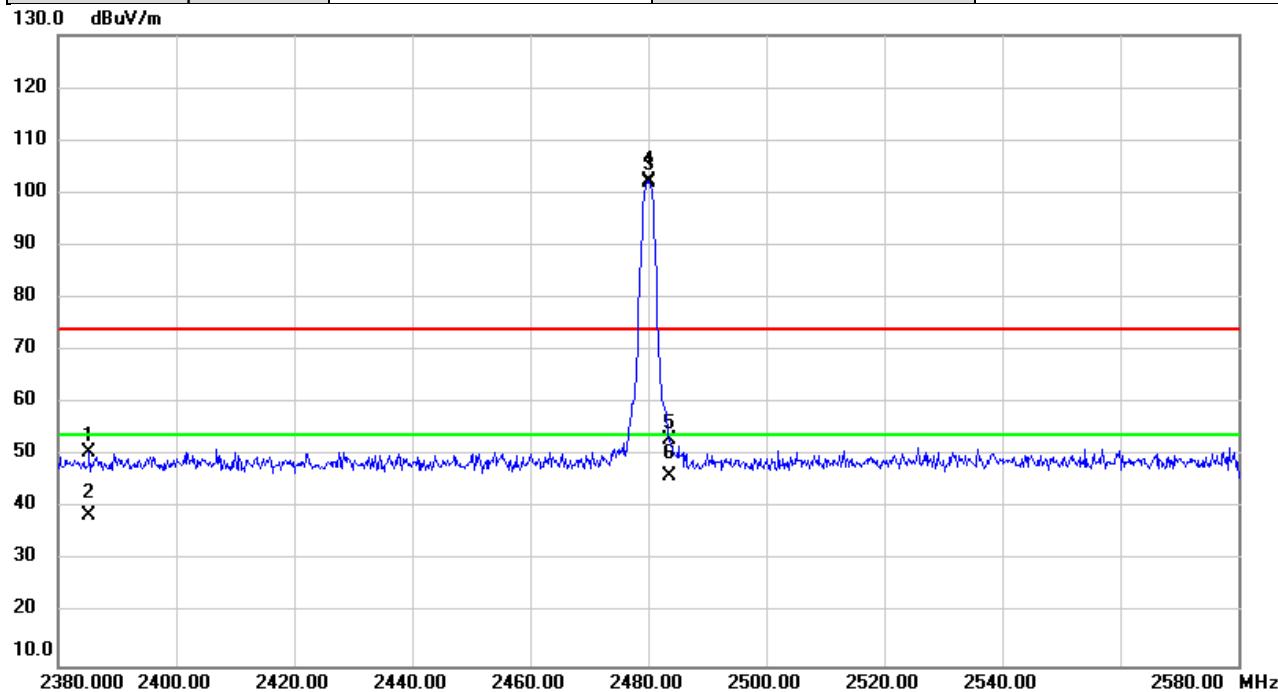


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2349.880	55.90	-4.21	51.69	74.00	-22.31	peak	
2		2349.880	44.53	-4.21	40.32	54.00	-13.68	AVG	
3		2400.000	76.10	-4.14	71.96	74.00	-2.04	peak	No Limit
4	X	2402.000	108.90	-4.15	104.75	74.00	30.75	peak	No Limit
5	*	2402.000	108.60	-4.15	104.45	54.00	50.45	AVG	No Limit
6		2492.507	55.67	-4.04	51.63	74.00	-22.37	peak	
7		2492.507	43.54	-4.04	39.50	54.00	-14.50	AVG	

## REMARKS:

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

Test Mode	BT (1 Mbps)	Test Date	2025/4/7
Test Frequency	2480MHz	Polarization	Horizontal
Temp	27°C	Hum.	61%

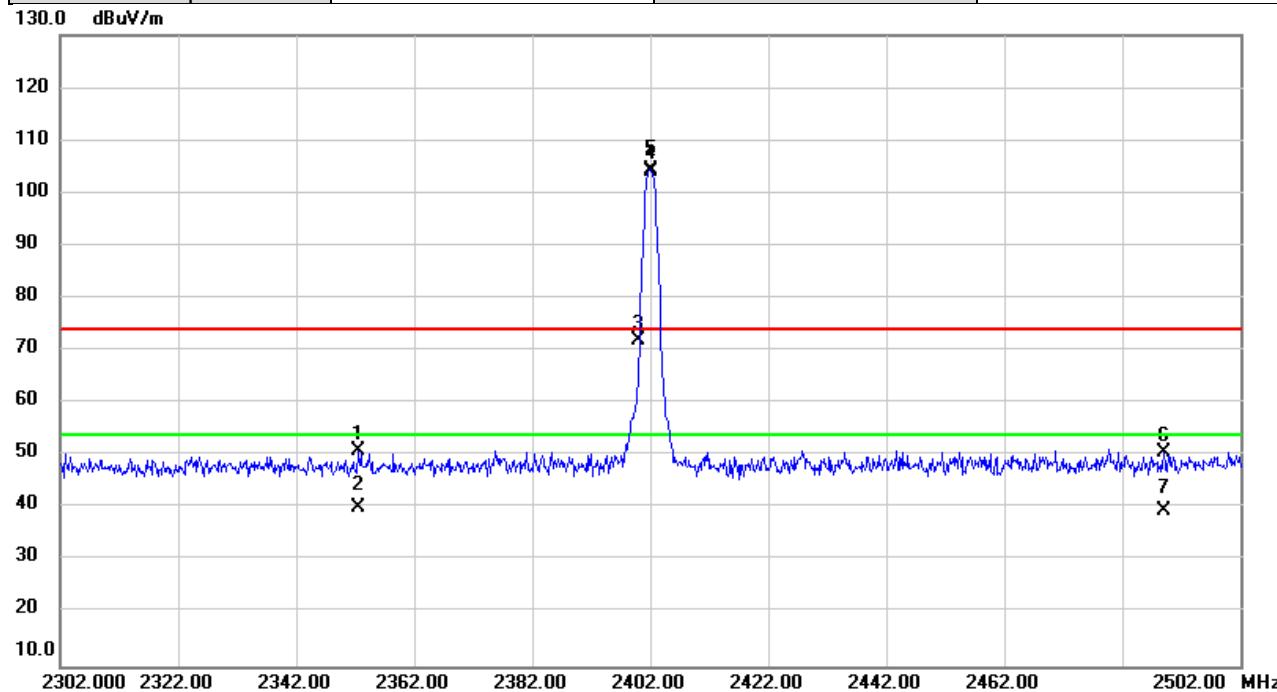


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level						
1		2385.320	54.89	-4.16	50.73	74.00	-23.27	peak	
2		2385.320	42.88	-4.16	38.72	54.00	-15.28	AVG	
3	X	2480.000	106.31	-4.05	102.26	74.00	28.26	peak	No Limit
4	*	2480.000	105.97	-4.05	101.92	54.00	47.92	AVG	No Limit
5		2483.500	57.09	-4.04	53.05	74.00	-20.95	peak	
6		2483.500	50.20	-4.04	46.16	54.00	-7.84	AVG	

## REMARKS:

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

Test Mode	BT (3 Mbps)	Test Date	2025/4/7
Test Frequency	2402MHz	Polarization	Horizontal
Temp	27°C	Hum.	61%

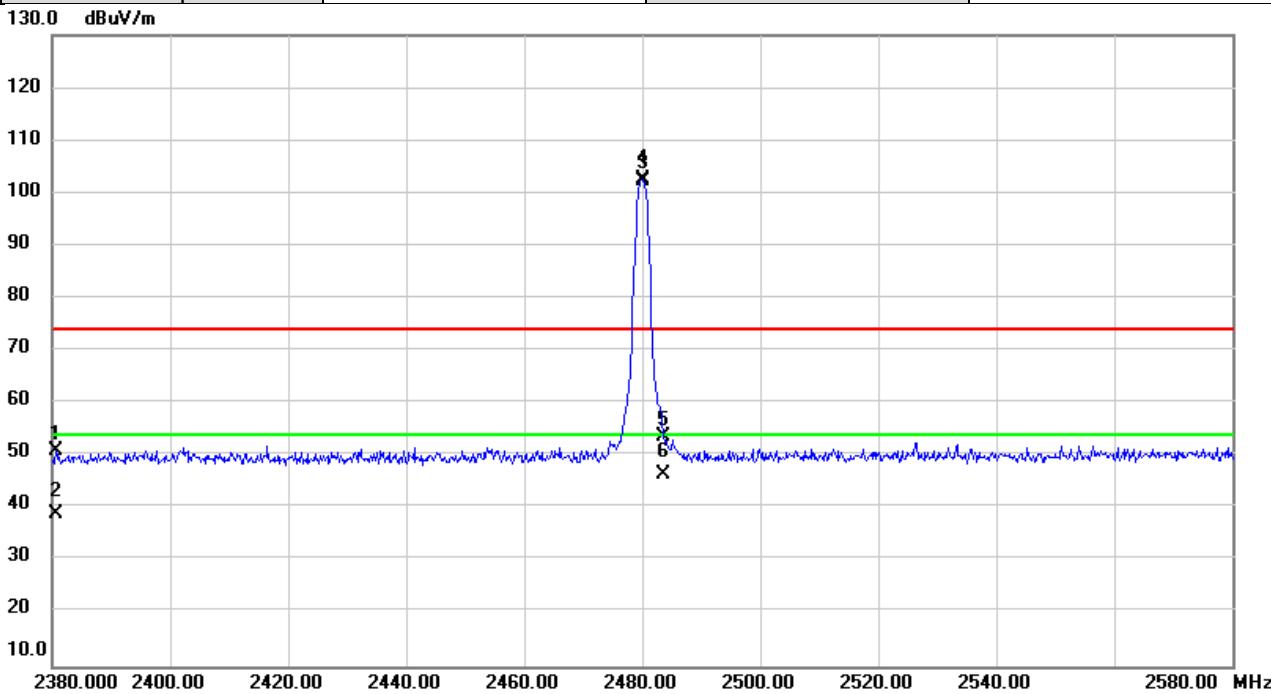


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2352.607	55.23	-4.21	51.02	74.00	-22.98	peak	
2		2352.607	44.45	-4.21	40.24	54.00	-13.76	AVG	
3		2400.000	76.13	-4.14	71.99	74.00	-2.01	peak	No Limit
4	X	2402.000	108.57	-4.15	104.42	74.00	30.42	peak	No Limit
5	*	2402.000	108.25	-4.15	104.10	54.00	50.10	AVG	No Limit
6		2489.160	54.85	-4.05	50.80	74.00	-23.20	peak	
7		2489.160	43.51	-4.05	39.46	54.00	-14.54	AVG	

## REMARKS:

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

Test Mode	BT (3 Mbps)	Test Date	2025/4/7
Test Frequency	2480MHz	Polarization	Horizontal
Temp	27°C	Hum.	61%

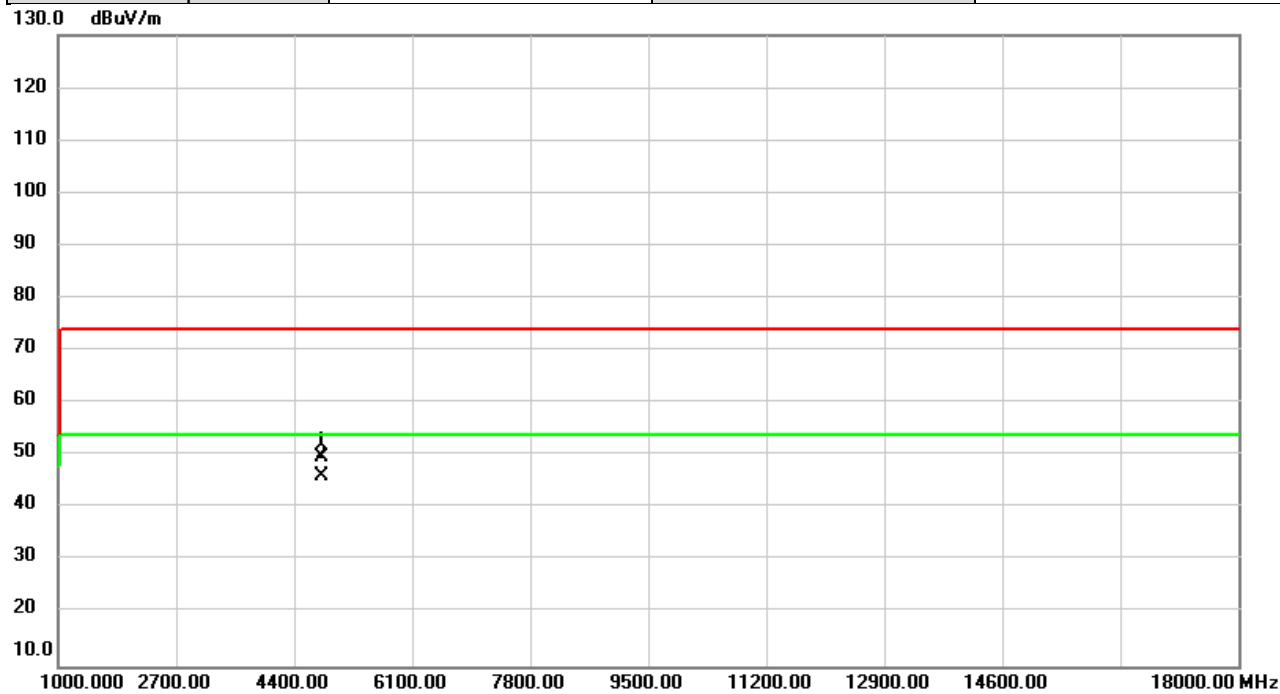


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level						
1		2380.767	55.10	-4.18	50.92	74.00	-23.08	peak	
2		2380.767	43.18	-4.18	39.00	54.00	-15.00	AVG	
3	X	2480.000	106.62	-4.05	102.57	74.00	28.57	peak	No Limit
4	*	2480.000	106.23	-4.05	102.18	54.00	48.18	AVG	No Limit
5		2483.500	57.69	-4.04	53.65	74.00	-20.35	peak	
6		2483.500	50.59	-4.04	46.55	54.00	-7.45	AVG	

## REMARKS:

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

Test Mode	BT (1 Mbps)	Test Date	2025/4/7
Test Frequency	2402MHz	Polarization	Vertical
Temp	27°C	Hum.	61%

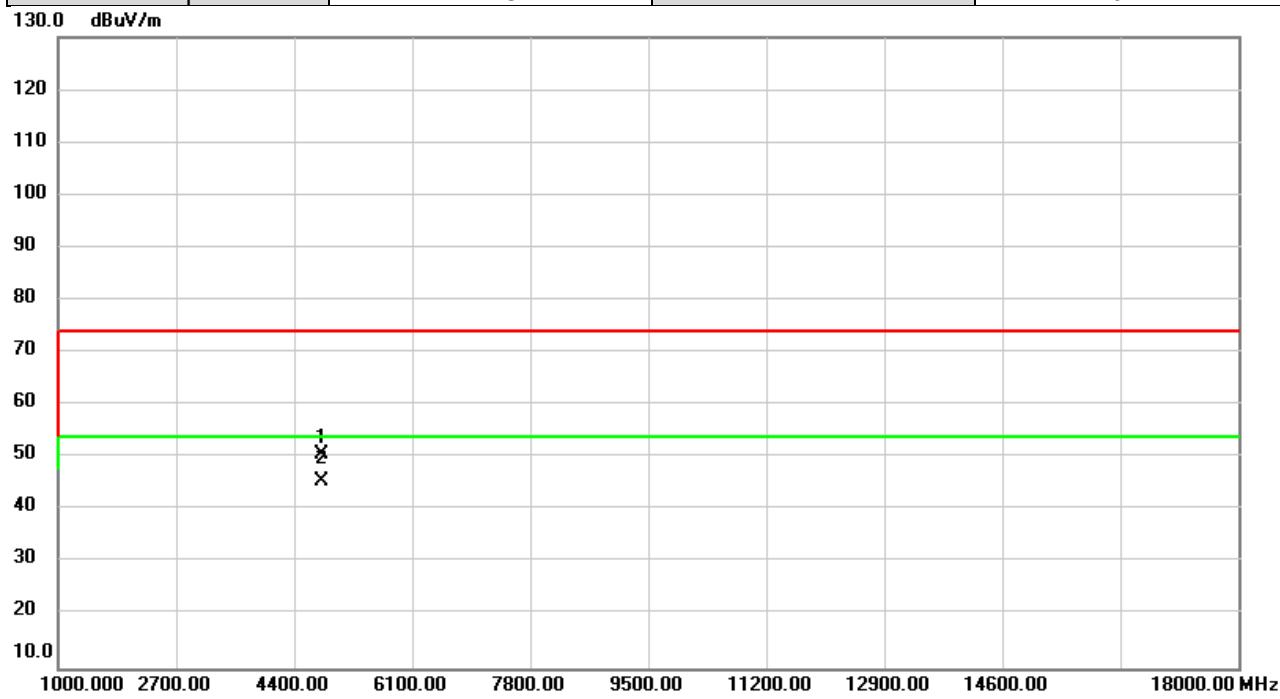


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	Detector	Comment
1		4804.000	48.05	1.84	49.89	74.00	-24.11	peak
2	*	4804.000	44.46	1.84	46.30	54.00	-7.70	AVG

**REMARKS:**

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

Test Mode	BT (1 Mbps)	Test Date	2025/4/7
Test Frequency	2402MHz	Polarization	Horizontal
Temp	27°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	Detector	Comment
1		4804.000	48.77	1.84	50.61	74.00	-23.39	peak
2	*	4804.000	43.85	1.84	45.69	54.00	-8.31	AVG

## REMARKS:

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

Test Mode	BT (1 Mbps)	Test Date	2025/4/7
Test Frequency	2441MHz	Polarization	Vertical
Temp	27°C	Hum.	61%

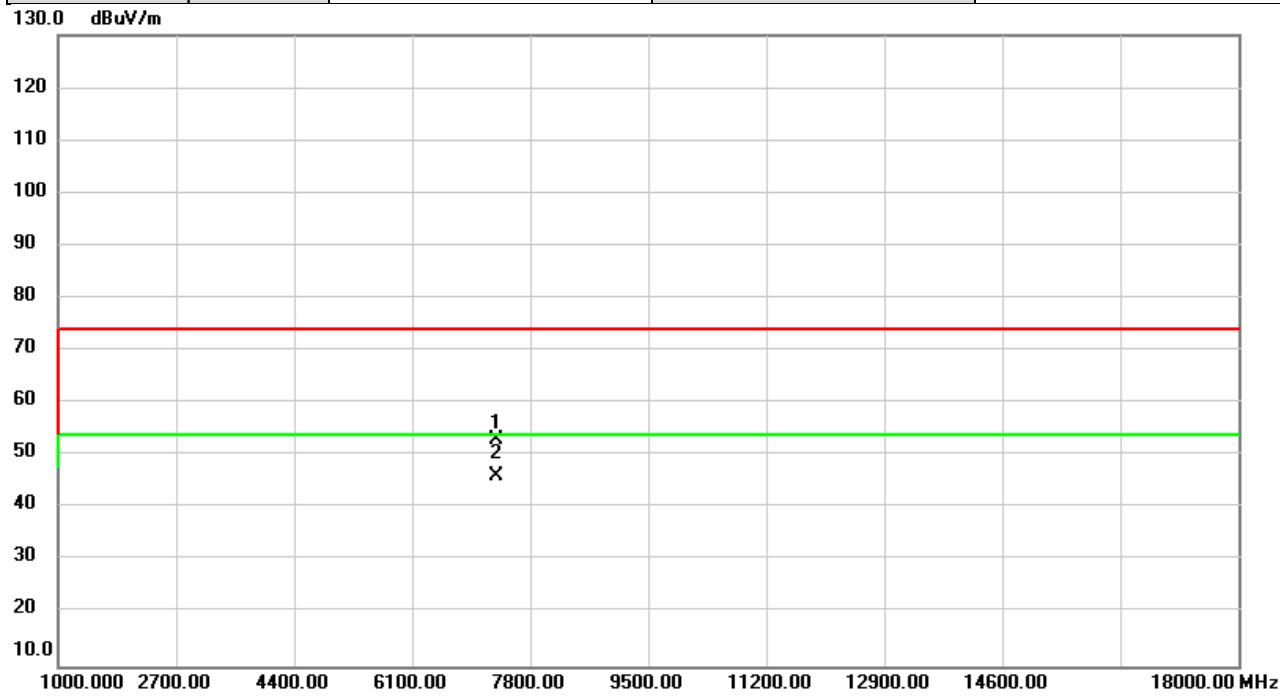


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	Detector	Comment
1		7323.000	48.14	7.52	55.66	74.00	-18.34	peak
2	*	7323.000	43.97	7.52	51.49	54.00	-2.51	AVG

## REMARKS:

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

Test Mode	BT (1 Mbps)	Test Date	2025/4/7
Test Frequency	2441MHz	Polarization	Horizontal
Temp	27°C	Hum.	61%

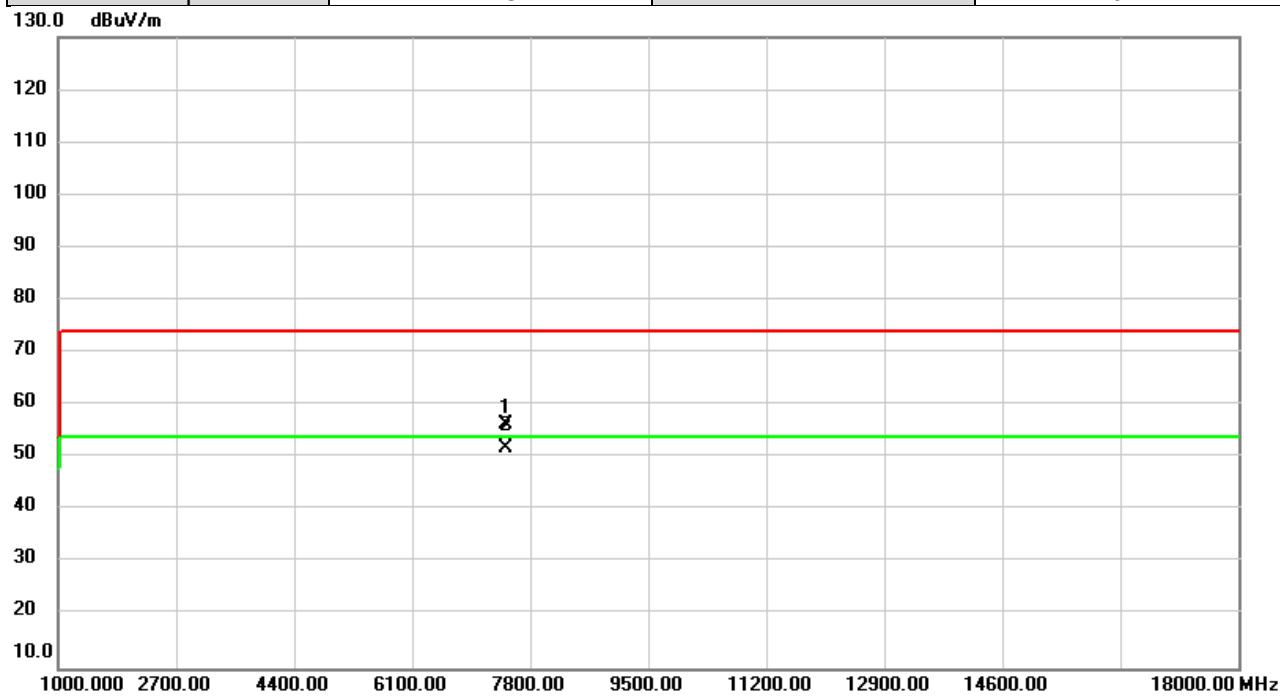


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		7323.000	45.39	7.52	52.91	74.00	-21.09	peak	
2	*	7323.000	38.75	7.52	46.27	54.00	-7.73	AVG	

## REMARKS:

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

Test Mode	BT (1Mbps)	Test Date	2025/4/7
Test Frequency	2480MHz	Polarization	Vertical
Temp	27°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	Detector	Comment
1		7440.000	48.90	7.55	56.45	74.00	-17.55	peak
2	*	7440.000	44.29	7.55	51.84	54.00	-2.16	AVG

## REMARKS:

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

Test Mode	BT (1 Mbps)	Test Date	2025/4/7
Test Frequency	2480MHz	Polarization	Horizontal
Temp	27°C	Hum.	61%

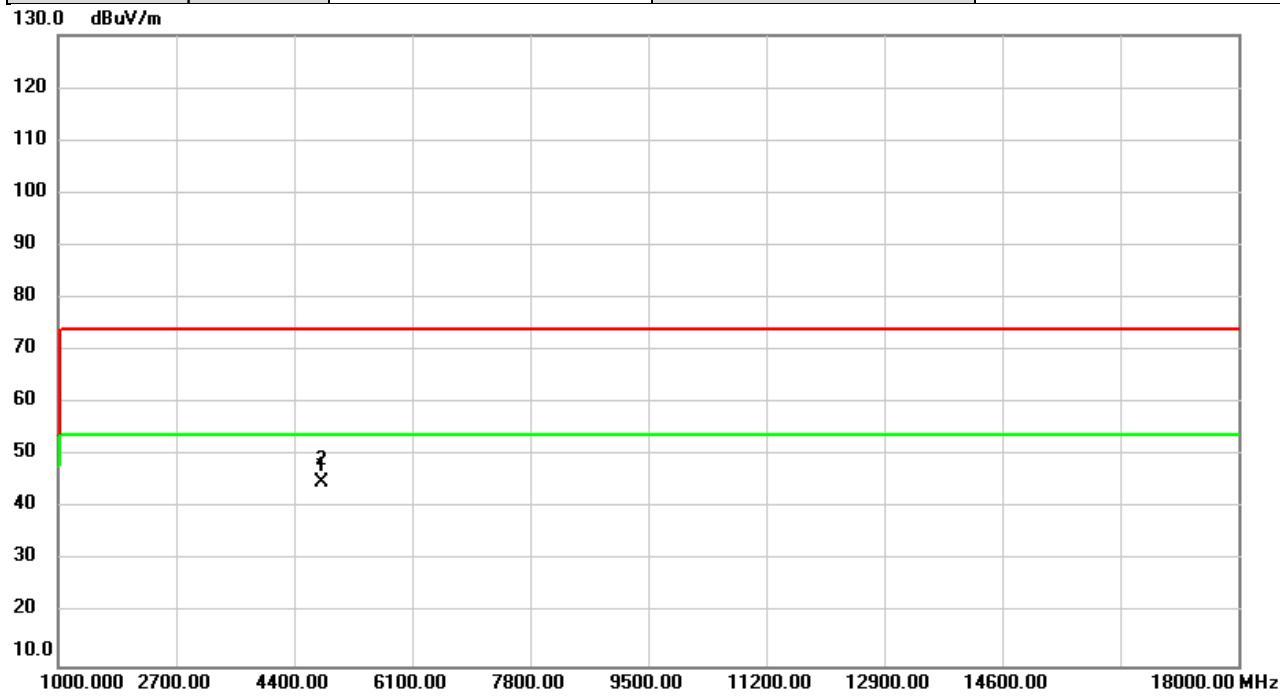


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	Detector	Comment
1		7440.000	46.12	7.55	53.67	74.00	-20.33	peak
2	*	7440.000	40.85	7.55	48.40	54.00	-5.60	AVG

## REMARKS:

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

Test Mode	BT (3 Mbps)	Test Date	2025/4/7
Test Frequency	2402MHz	Polarization	Vertical
Temp	27°C	Hum.	61%

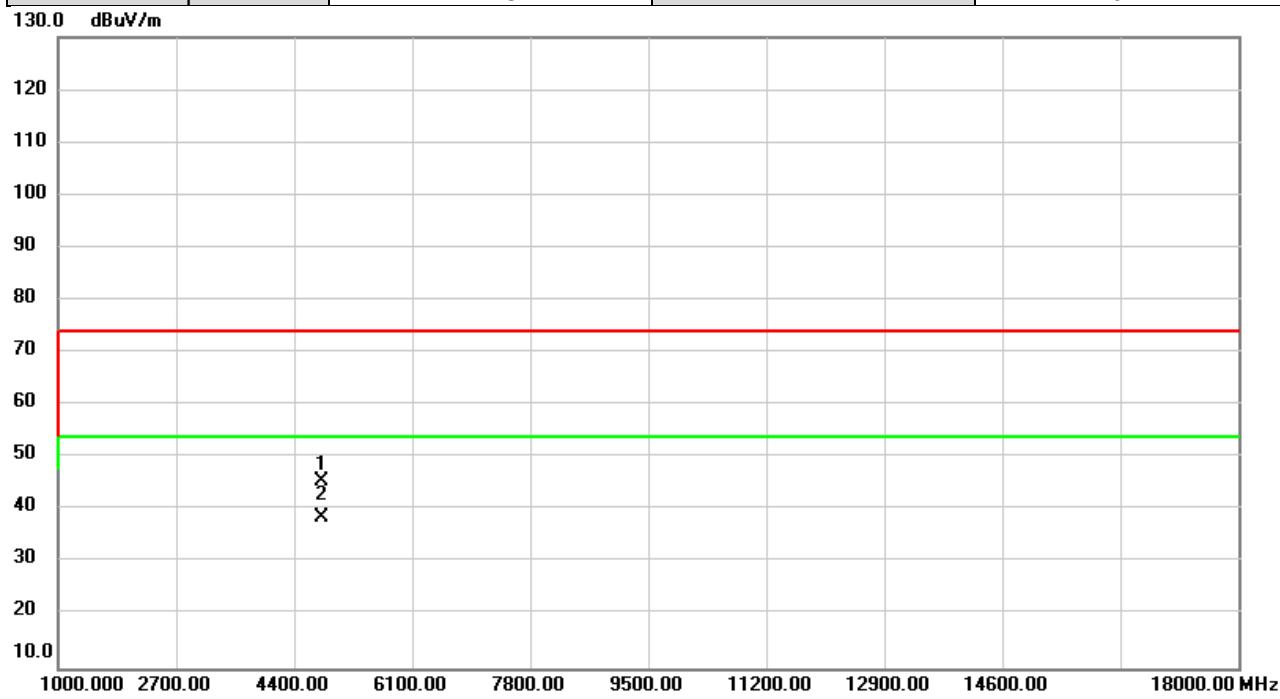


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	Detector	Comment
1		4804.000	43.20	1.84	45.04	74.00	-28.96	peak
2	*	4804.000	42.99	1.84	44.83	54.00	-9.17	AVG

## REMARKS:

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

Test Mode	BT (3 Mbps)	Test Date	2025/4/7
Test Frequency	2402MHz	Polarization	Horizontal
Temp	27°C	Hum.	61%

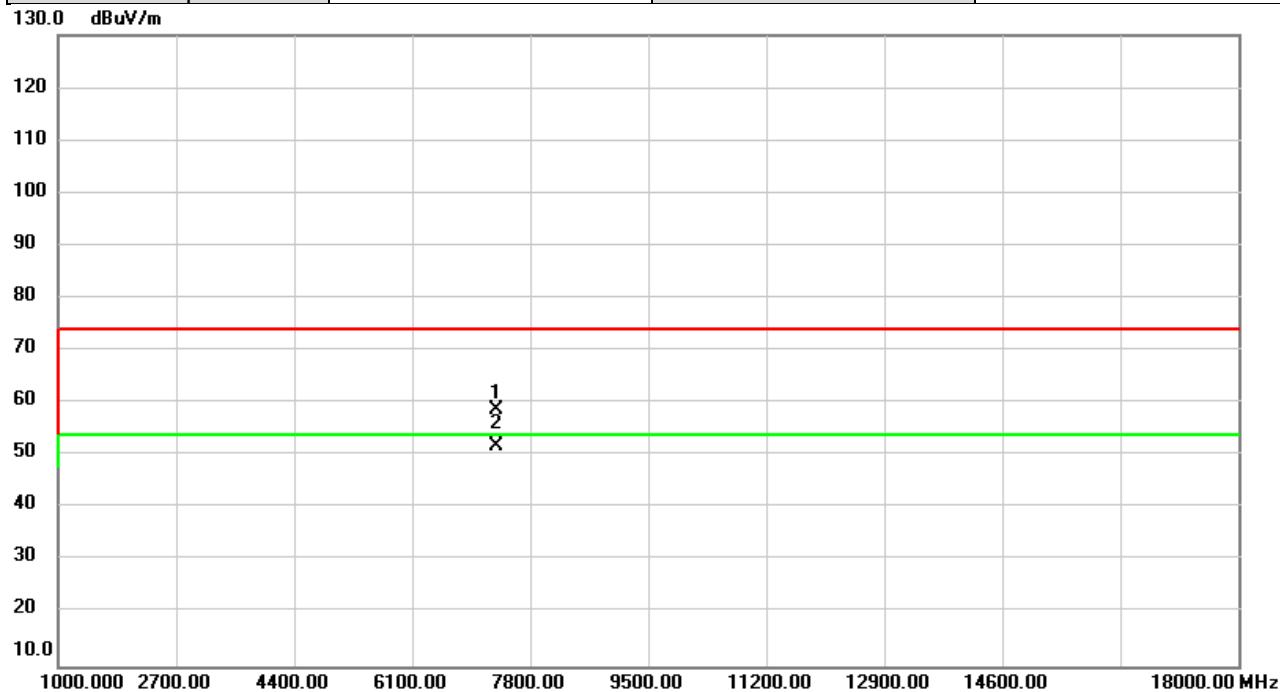


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	Detector	Comment
1		4804.000	43.70	1.84	45.54	74.00	-28.46	peak
2	*	4804.000	36.76	1.84	38.60	54.00	-15.40	AVG

## REMARKS:

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

Test Mode	BT (3 Mbps)	Test Date	2025/4/7
Test Frequency	2441MHz	Polarization	Vertical
Temp	27°C	Hum.	61%

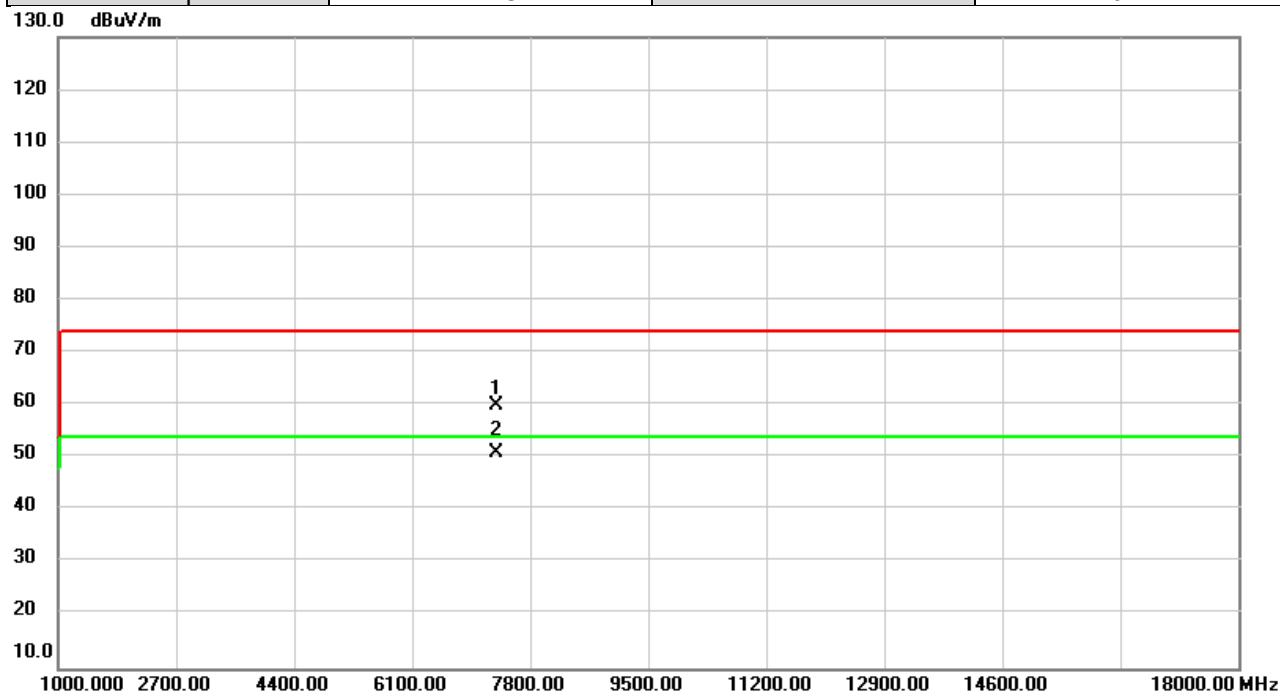


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	Detector	Comment
1		7323.000	51.13	7.52	58.65	74.00	-15.35	peak
2	*	7323.000	44.23	7.52	51.75	54.00	-2.25	AVG

## REMARKS:

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

Test Mode	BT (3 Mbps)	Test Date	2025/4/7
Test Frequency	2441MHz	Polarization	Horizontal
Temp	27°C	Hum.	61%

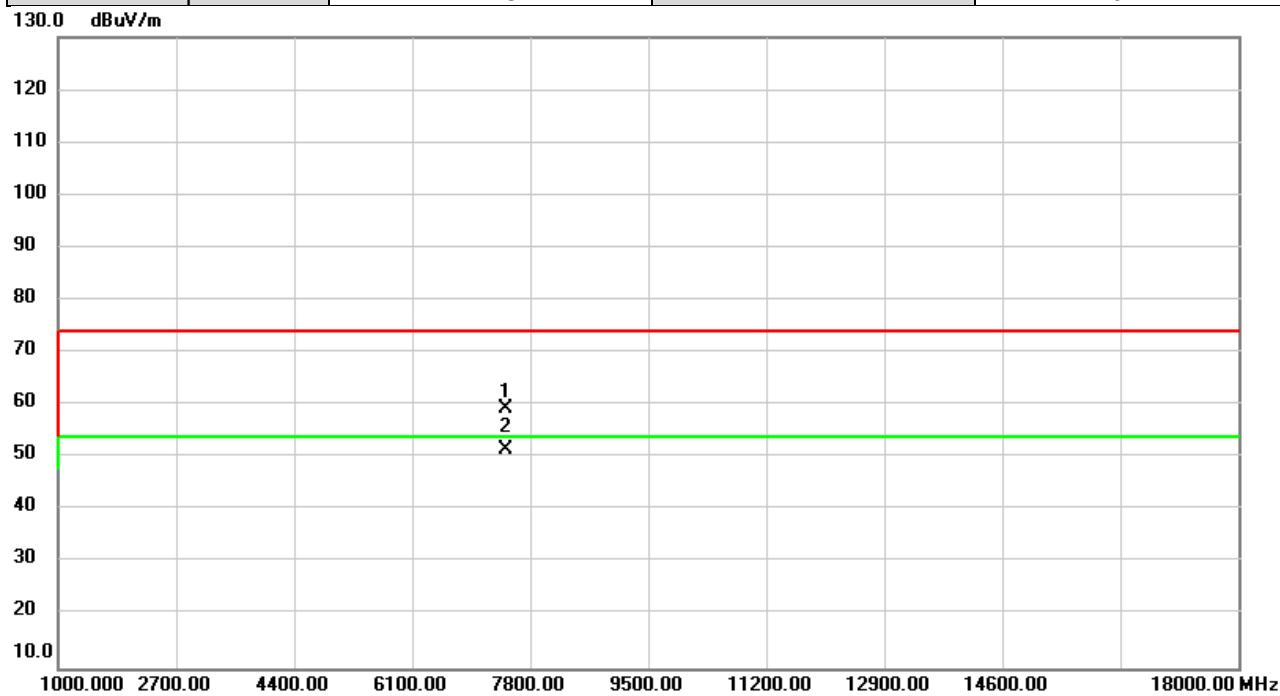


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	Detector	Comment
1		7323.000	52.37	7.52	59.89	74.00	-14.11	peak
2	*	7323.000	43.53	7.52	51.05	54.00	-2.95	AVG

**REMARKS:**

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

Test Mode	BT (3 Mbps)	Test Date	2025/4/7
Test Frequency	2480MHz	Polarization	Vertical
Temp	27°C	Hum.	61%

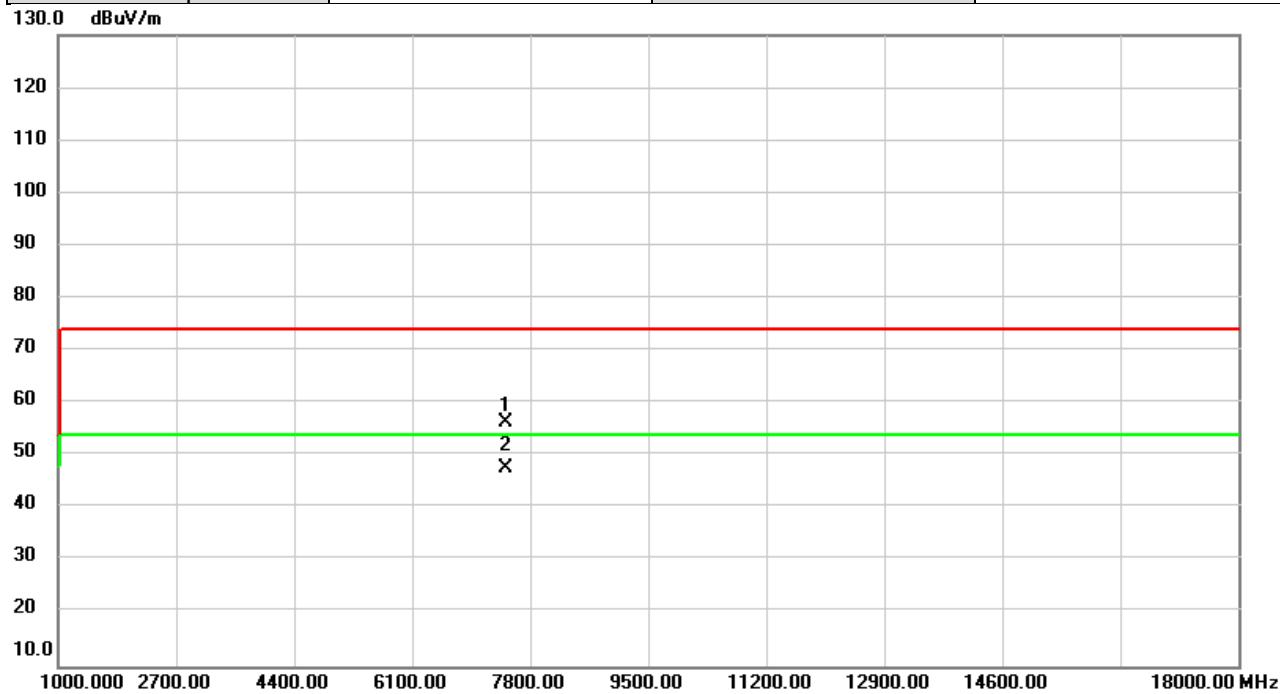


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	Detector	Comment
1		7440.000	51.69	7.55	59.24	74.00	-14.76	peak
2	*	7440.000	43.89	7.55	51.44	54.00	-2.56	AVG

**REMARKS:**

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

Test Mode	BT (3 Mbps)	Test Date	2025/4/7
Test Frequency	2480MHz	Polarization	Horizontal
Temp	27°C	Hum.	61%

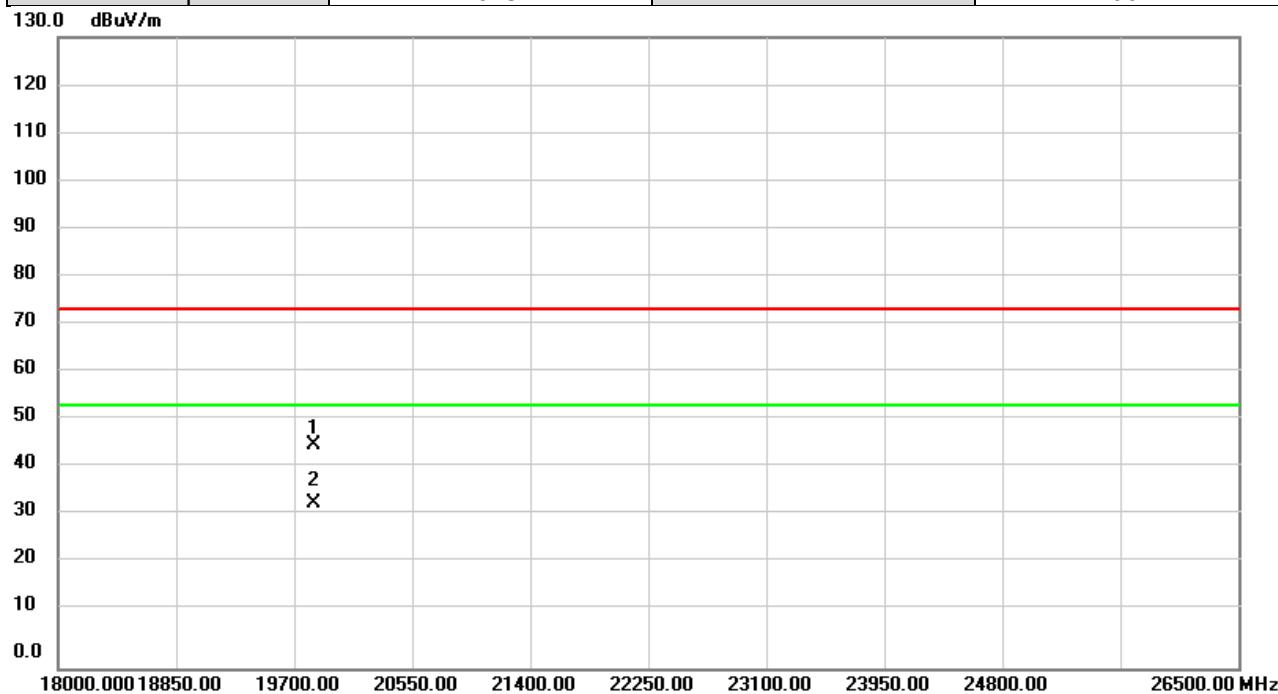


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	Detector	Comment
1		7440.000	48.93	7.55	56.48	74.00	-17.52	peak
2	*	7440.000	39.99	7.55	47.54	54.00	-6.46	AVG

## REMARKS:

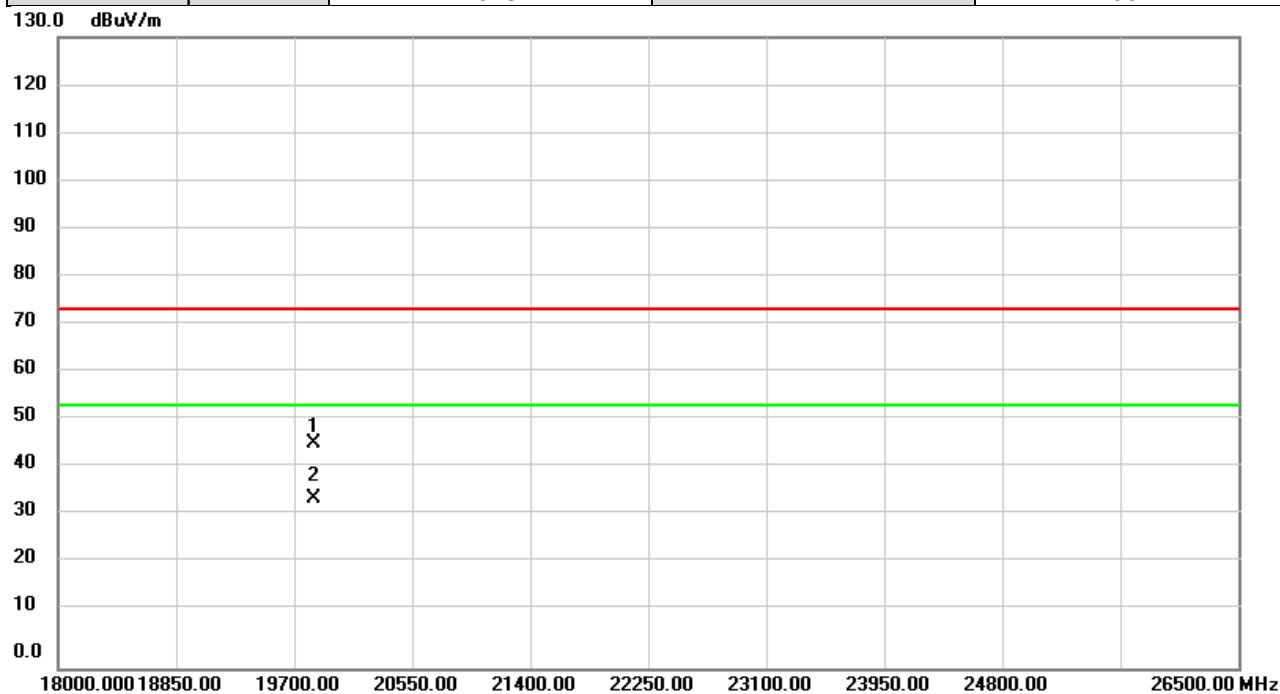
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	BT (1 Mbps)	Test Date	2025/4/8
Test Frequency	2480MHz	Polarization	Vertical
Temp	25°C	Hum.	66%

**REMARKS:**

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

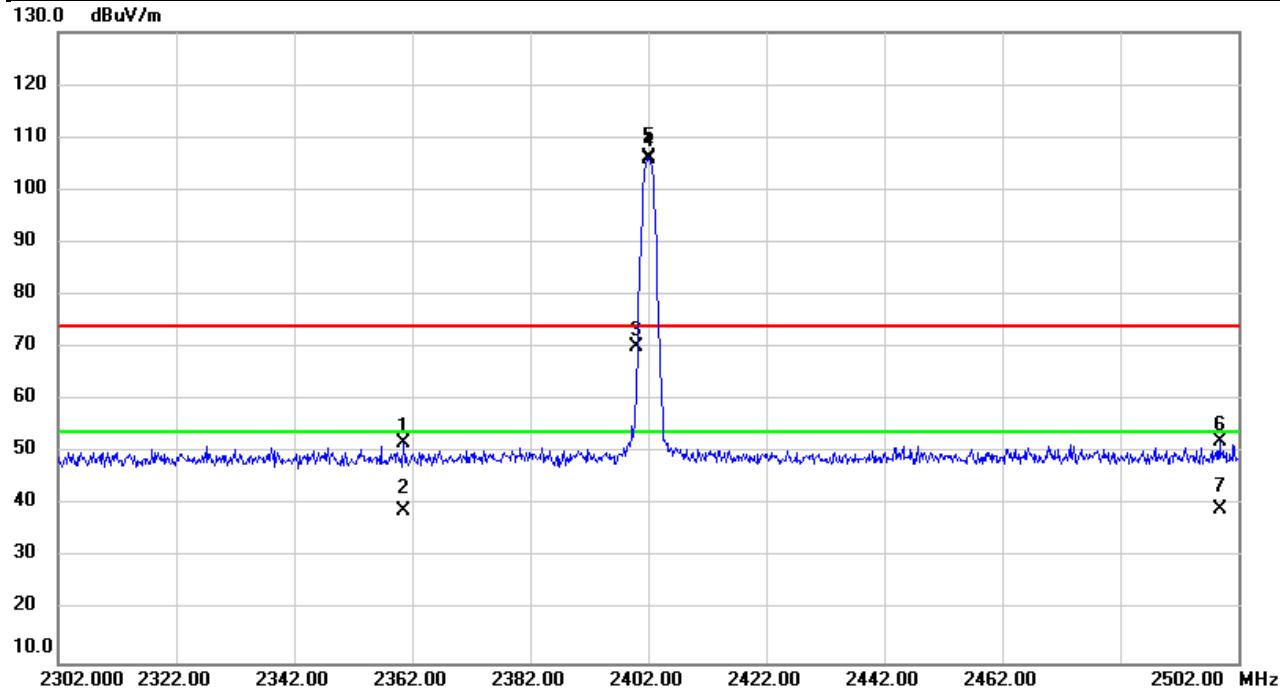
Test Mode	BT (1 Mbps)	Test Date	2025/4/8
Test Frequency	2480MHz	Polarization	Horizontal
Temp	25°C	Hum.	66%

**REMARKS:**

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

For STBT038 (AB1565M)

Test Mode	BT (1 Mbps)	Test Date	2025/4/7
Test Frequency	2402MHz	Polarization	Horizontal
Temp	27°C	Hum.	61%



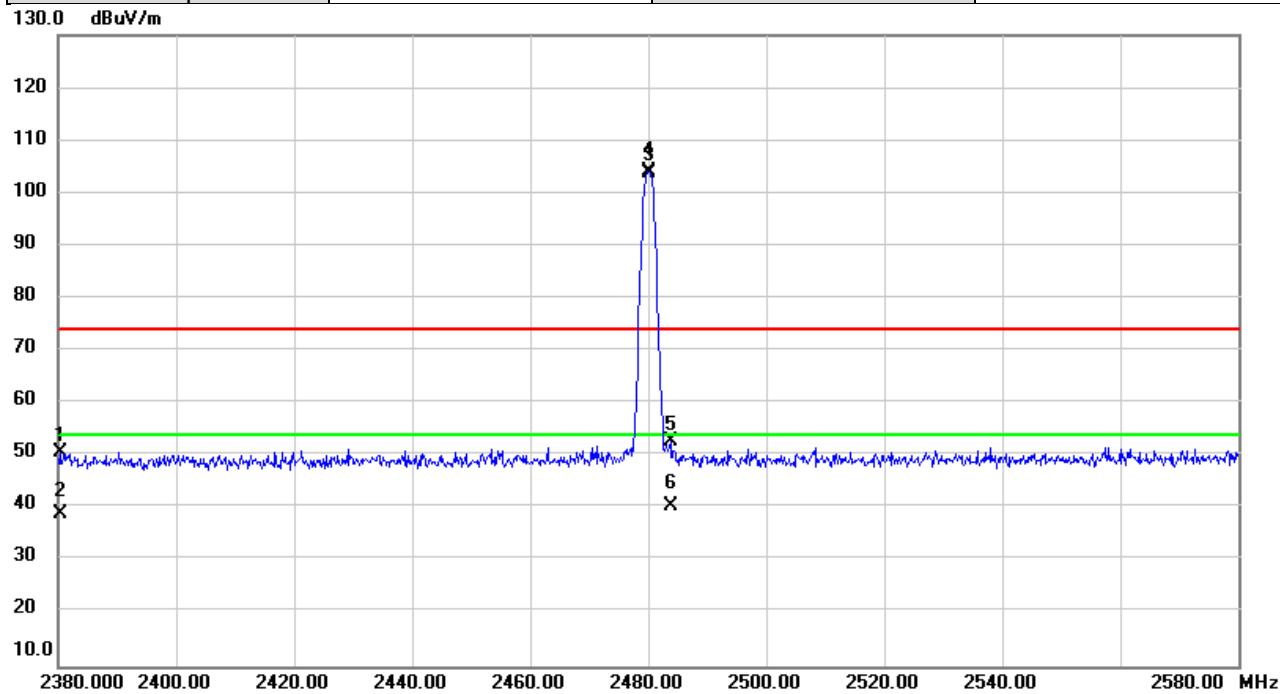
No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level						
MHz		dBuV	dB	dBuV/m	dBuV/m	dB			
1		2360.500	56.08	-4.20	51.88	74.00	-22.12	peak	
2		2360.500	43.14	-4.20	38.94	54.00	-15.06	AVG	
3		2400.000	74.22	-4.14	70.08	74.00	-3.92	peak	No Limit
4	X	2402.000	110.29	-4.15	106.14	74.00	32.14	peak	No Limit
5	*	2402.000	109.90	-4.15	105.75	54.00	51.75	AVG	No Limit
6		2498.833	56.33	-4.03	52.30	74.00	-21.70	peak	
7		2498.833	43.15	-4.03	39.12	54.00	-14.88	AVG	

## REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode	BT (1 Mbps)	Test Date	2025/4/7
Test Frequency	2480MHz	Polarization	Horizontal
Temp	27°C	Hum.	61%

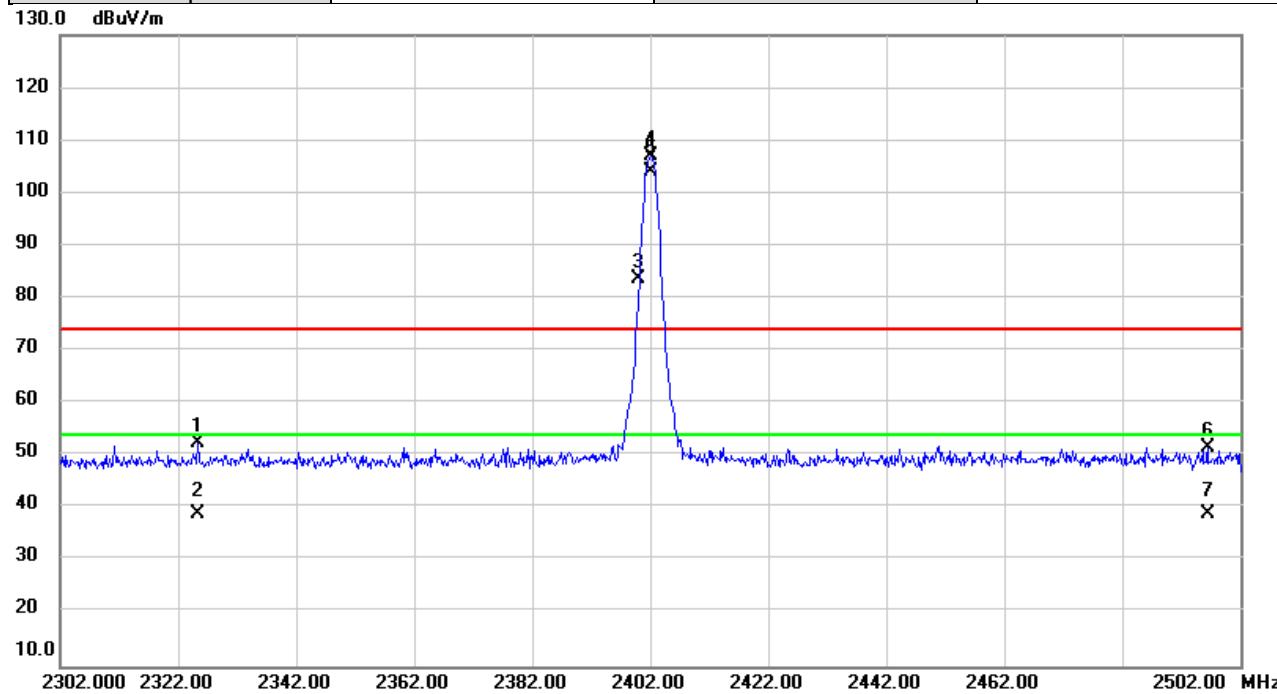


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2380.327	54.91	-4.18	50.73	74.00	-23.27	peak	
2		2380.327	43.07	-4.18	38.89	54.00	-15.11	AVG	
3	X	2480.000	108.16	-4.05	104.11	74.00	30.11	peak	No Limit
4	*	2480.000	107.87	-4.05	103.82	54.00	49.82	AVG	No Limit
5		2483.760	56.65	-4.04	52.61	74.00	-21.39	peak	
6		2483.760	44.38	-4.04	40.34	54.00	-13.66	AVG	

## REMARKS:

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

Test Mode	BT (3 Mbps)	Test Date	2025/4/7
Test Frequency	2402MHz	Polarization	Horizontal
Temp	27°C	Hum.	61%



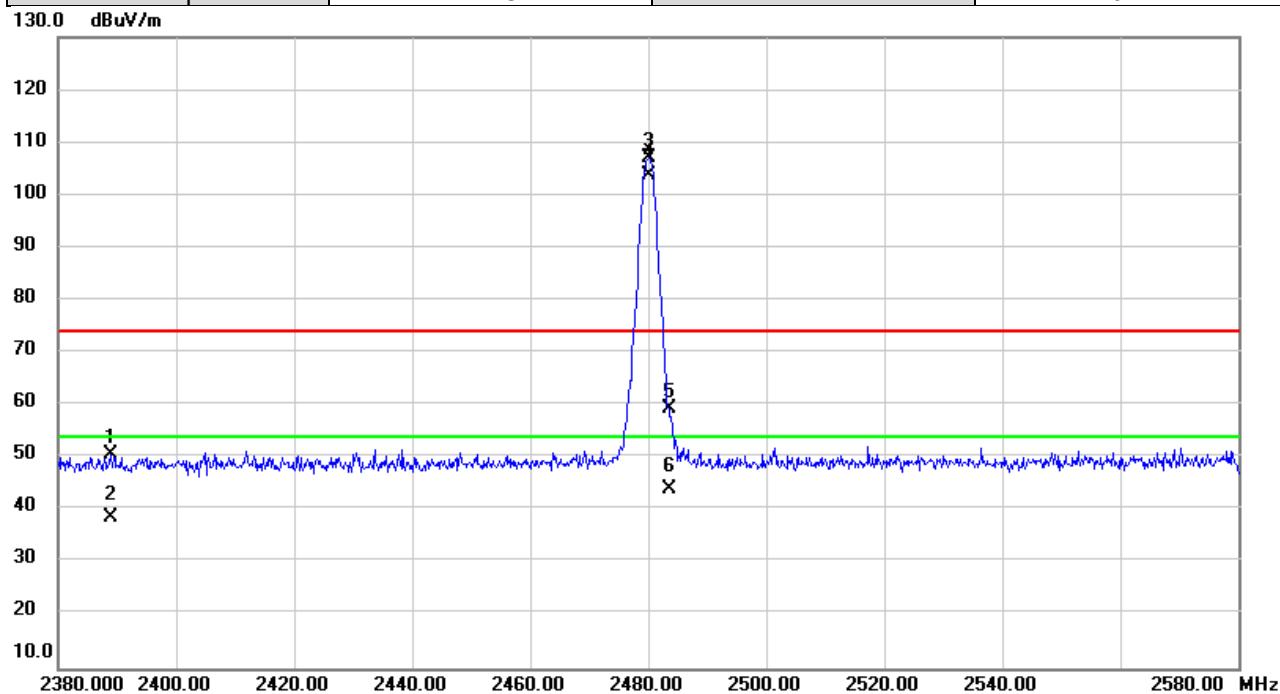
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2325.293	56.54	-4.23	52.31	74.00	-21.69	peak	
2		2325.293	43.20	-4.23	38.97	54.00	-15.03	AVG	
3	X	2400.000	87.89	-4.14	83.75	74.00	9.75	peak	No Limit
4	X	2402.000	111.13	-4.15	106.98	74.00	32.98	peak	No Limit
5	*	2402.000	108.06	-4.15	103.91	54.00	49.91	AVG	No Limit
6		2496.427	55.58	-4.04	51.54	74.00	-22.46	peak	
7		2496.427	43.12	-4.04	39.08	54.00	-14.92	AVG	

## REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode	BT (3 Mbps)	Test Date	2025/4/7
Test Frequency	2480MHz	Polarization	Horizontal
Temp	27°C	Hum.	61%

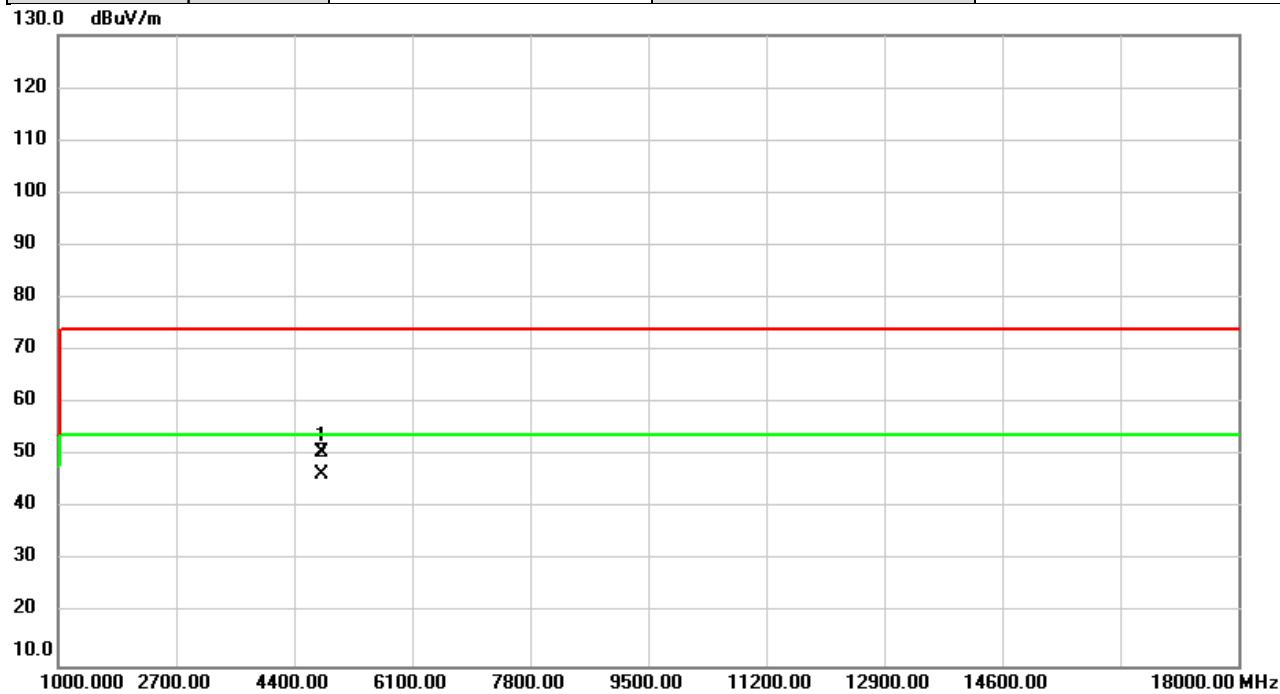


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2388.847	54.96	-4.16	50.80	74.00	-23.20	peak	
2		2388.847	42.96	-4.16	38.80	54.00	-15.20	AVG	
3	X	2480.000	111.01	-4.05	106.96	74.00	32.96	peak	No Limit
4	*	2480.000	107.83	-4.05	103.78	54.00	49.78	AVG	No Limit
5		2483.500	63.45	-4.04	59.41	74.00	-14.59	peak	
6		2483.500	47.95	-4.04	43.91	54.00	-10.09	AVG	

## REMARKS:

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

Test Mode	BT (1 Mbps)	Test Date	2025/4/7
Test Frequency	2402MHz	Polarization	Vertical
Temp	27°C	Hum.	61%

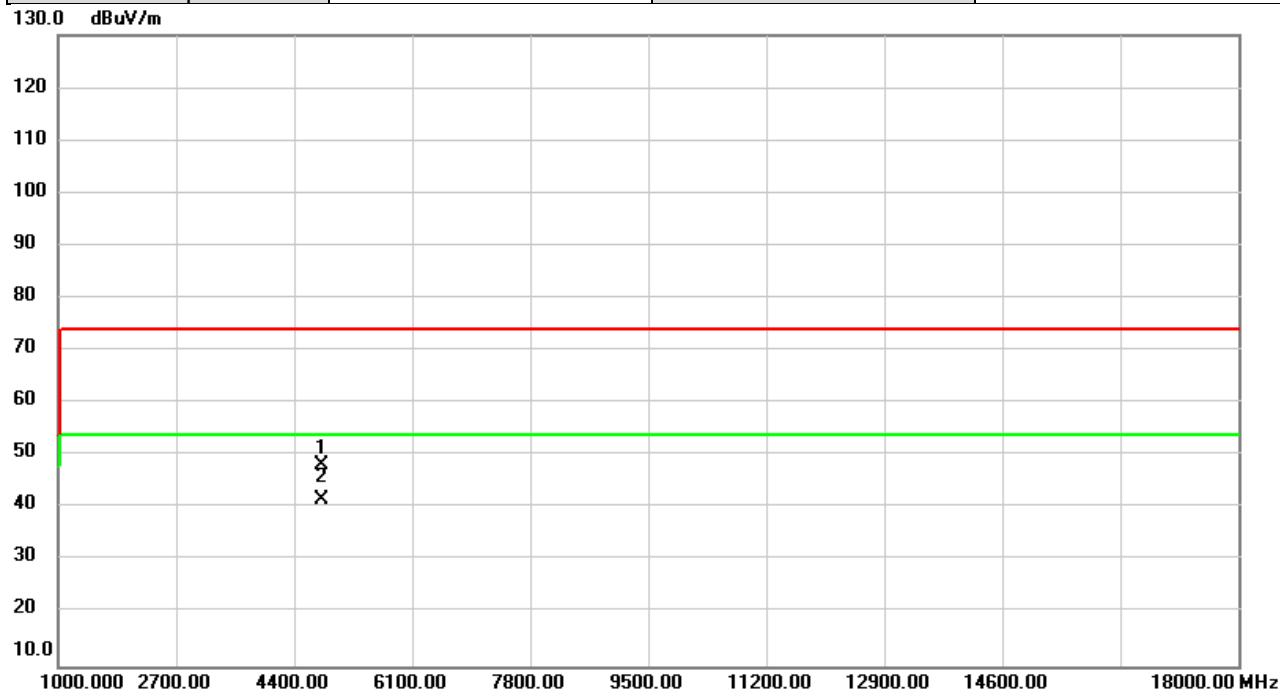


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	Detector	Comment
1		4804.000	48.70	1.84	50.54	74.00	-23.46	peak
2	*	4804.000	44.66	1.84	46.50	54.00	-7.50	AVG

## REMARKS:

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

Test Mode	BT (1 Mbps)	Test Date	2025/4/7
Test Frequency	2402MHz	Polarization	Horizontal
Temp	27°C	Hum.	61%

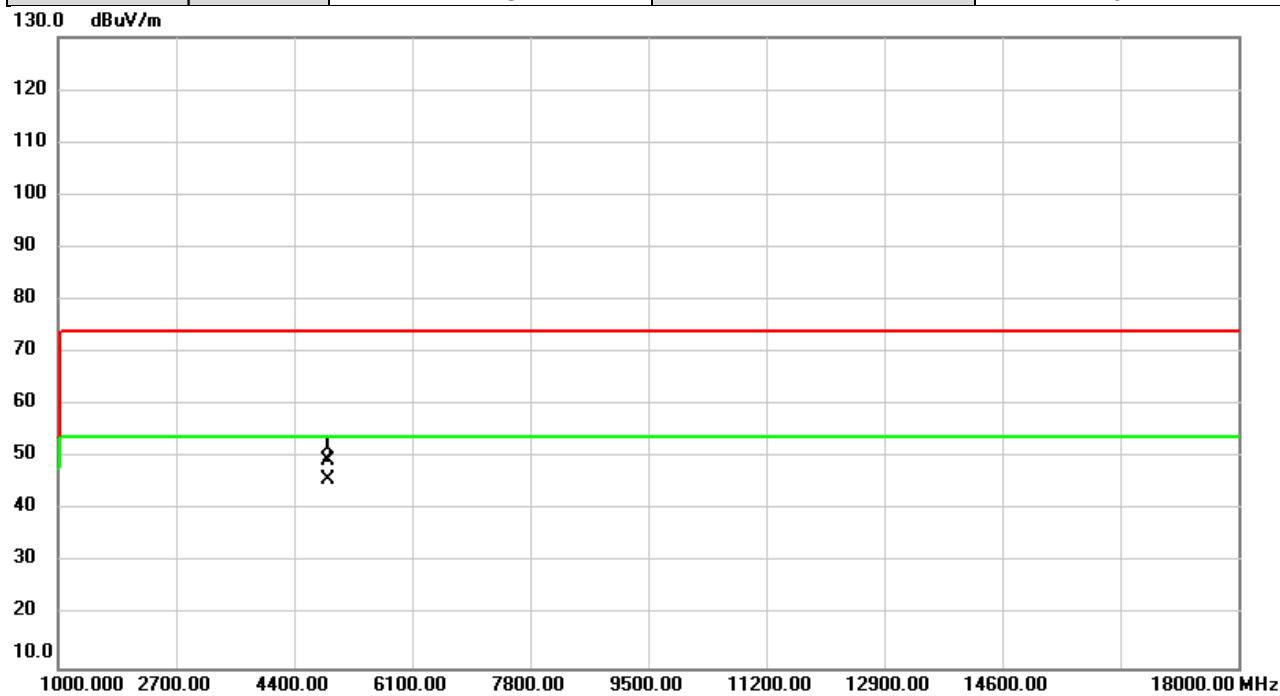


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over					
							MHz	dBuV	dB	dBuV/m	dB	Detector
1		4804.000	46.35	1.84	48.19	74.00	-25.81			peak		
2	*	4804.000	39.95	1.84	41.79	54.00	-12.21			AVG		

**REMARKS:**

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

Test Mode	BT (1 Mbps)	Test Date	2025/4/7
Test Frequency	2441MHz	Polarization	Vertical
Temp	27°C	Hum.	61%

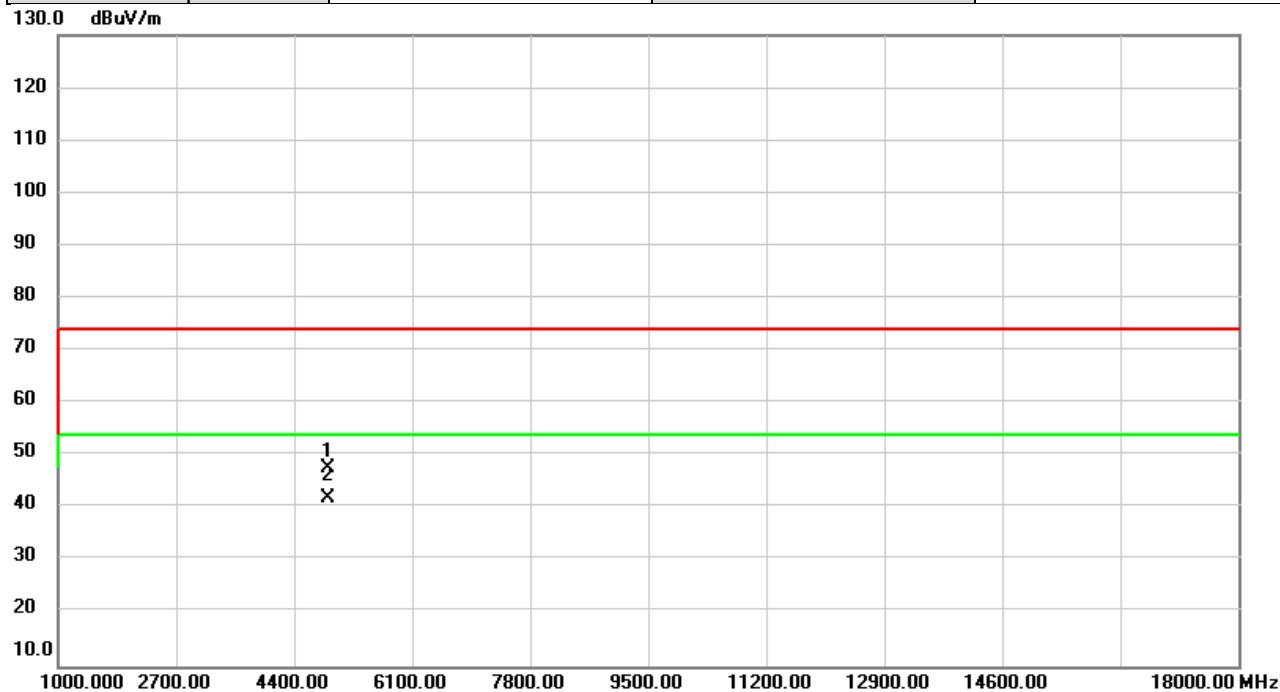


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	Detector	Comment
1		4882.000	47.49	2.08	49.57	74.00	-24.43	peak
2	*	4882.000	43.82	2.08	45.90	54.00	-8.10	AVG

## REMARKS:

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

Test Mode	BT (1 Mbps)	Test Date	2025/4/7
Test Frequency	2441MHz	Polarization	Horizontal
Temp	27°C	Hum.	61%

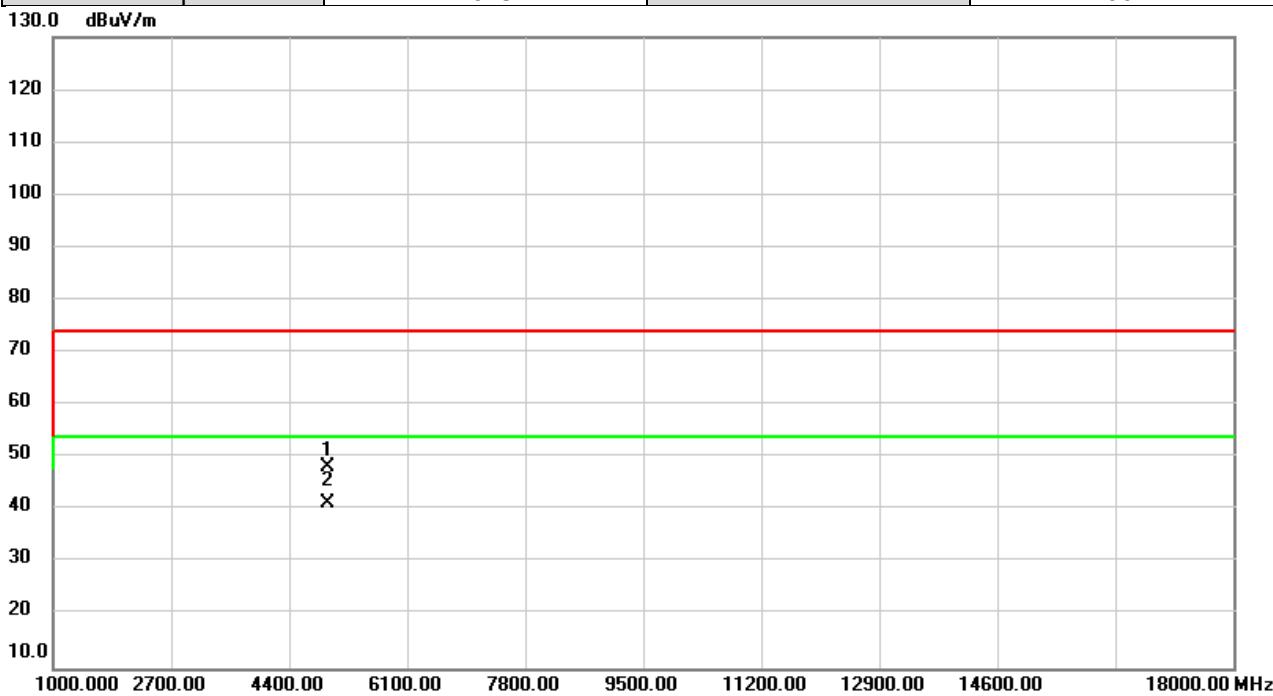


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	Detector	Comment
1		4882.000	45.69	2.08	47.77	74.00	-26.23	peak
2	*	4882.000	39.96	2.08	42.04	54.00	-11.96	AVG

## REMARKS:

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

Test Mode	BT (1 Mbps)	Test Date	2025/4/8
Test Frequency	2480MHz	Polarization	Vertical
Temp	25°C	Hum.	66%

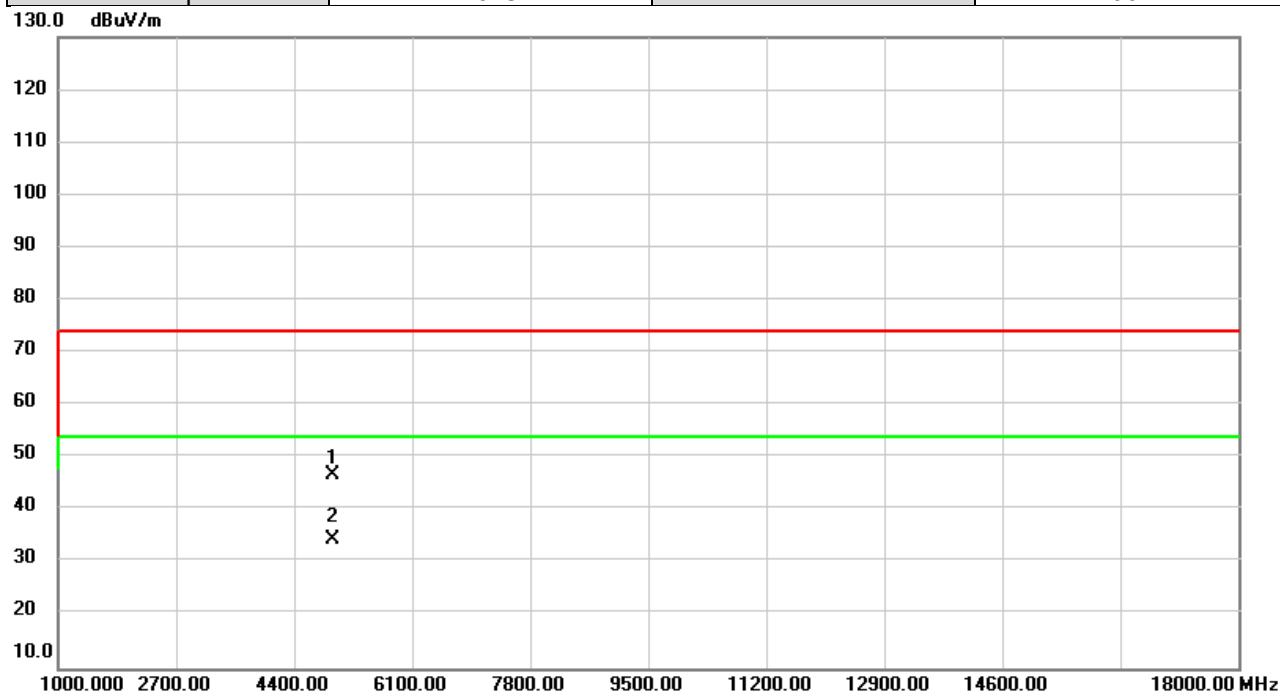


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4960.000	45.86	2.32	48.18	74.00	-25.82	peak	
2	*	4960.000	39.08	2.32	41.40	54.00	-12.60	AVG	

## REMARKS:

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

Test Mode	BT (1 Mbps)	Test Date	2025/4/8
Test Frequency	2480MHz	Polarization	Horizontal
Temp	25°C	Hum.	66%

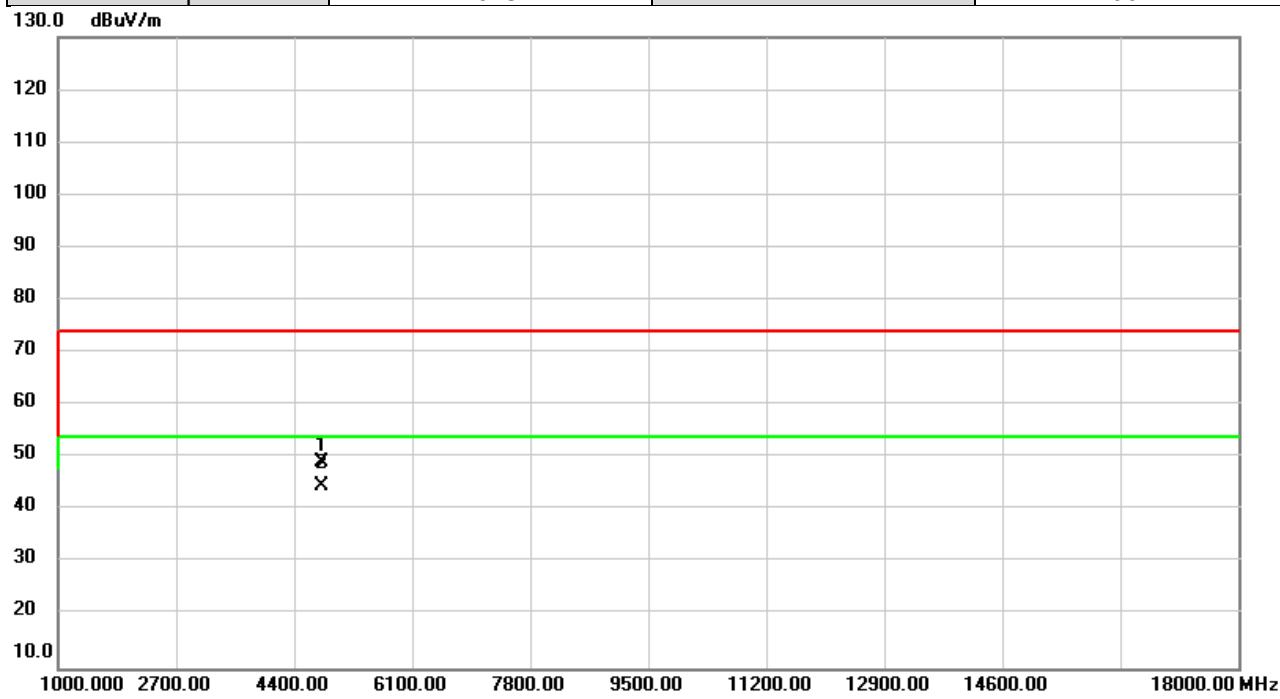


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4960.000	44.50	2.32	46.82	74.00	-27.18	peak	
2	*	4960.000	32.15	2.32	34.47	54.00	-19.53	AVG	

## REMARKS:

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

Test Mode	BT (3 Mbps)	Test Date	2025/4/8
Test Frequency	2402MHz	Polarization	Vertical
Temp	25°C	Hum.	66%

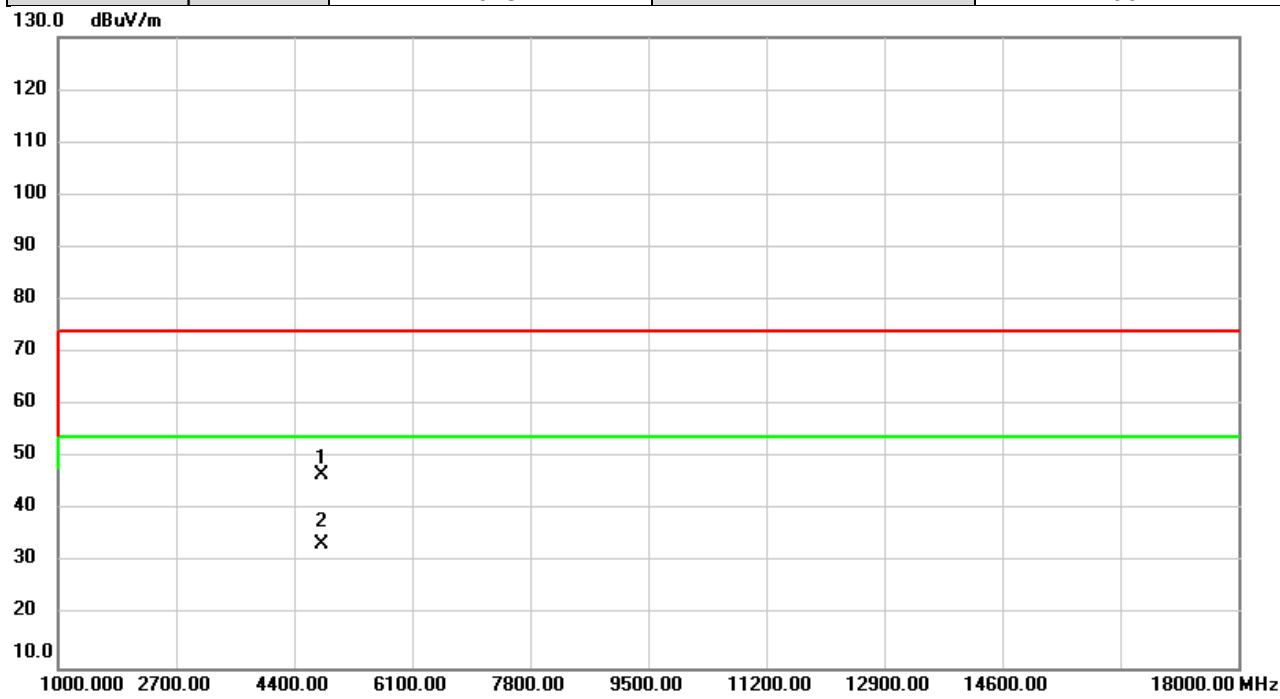


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4804.000	47.34	1.84	49.18	74.00	-24.82	peak	
2	*	4804.000	42.76	1.84	44.60	54.00	-9.40	AVG	

**REMARKS:**

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

Test Mode	BT (3 Mbps)	Test Date	2025/4/8
Test Frequency	2402MHz	Polarization	Horizontal
Temp	25°C	Hum.	66%

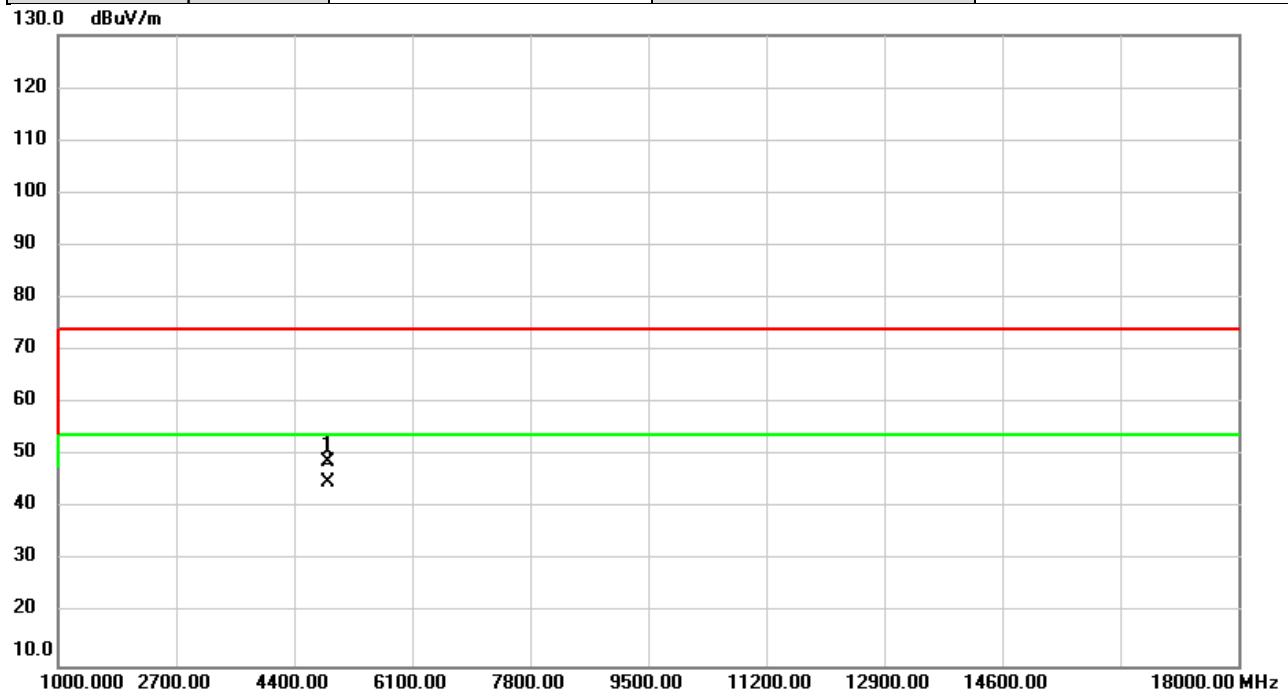


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4804.000	44.87	1.84	46.71	74.00	-27.29	peak	
2	*	4804.000	31.69	1.84	33.53	54.00	-20.47	AVG	

## REMARKS:

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

Test Mode	BT (3 Mbps)	Test Date	2025/4/8
Test Frequency	2441MHz	Polarization	Vertical
Temp	25°C	Hum.	66%

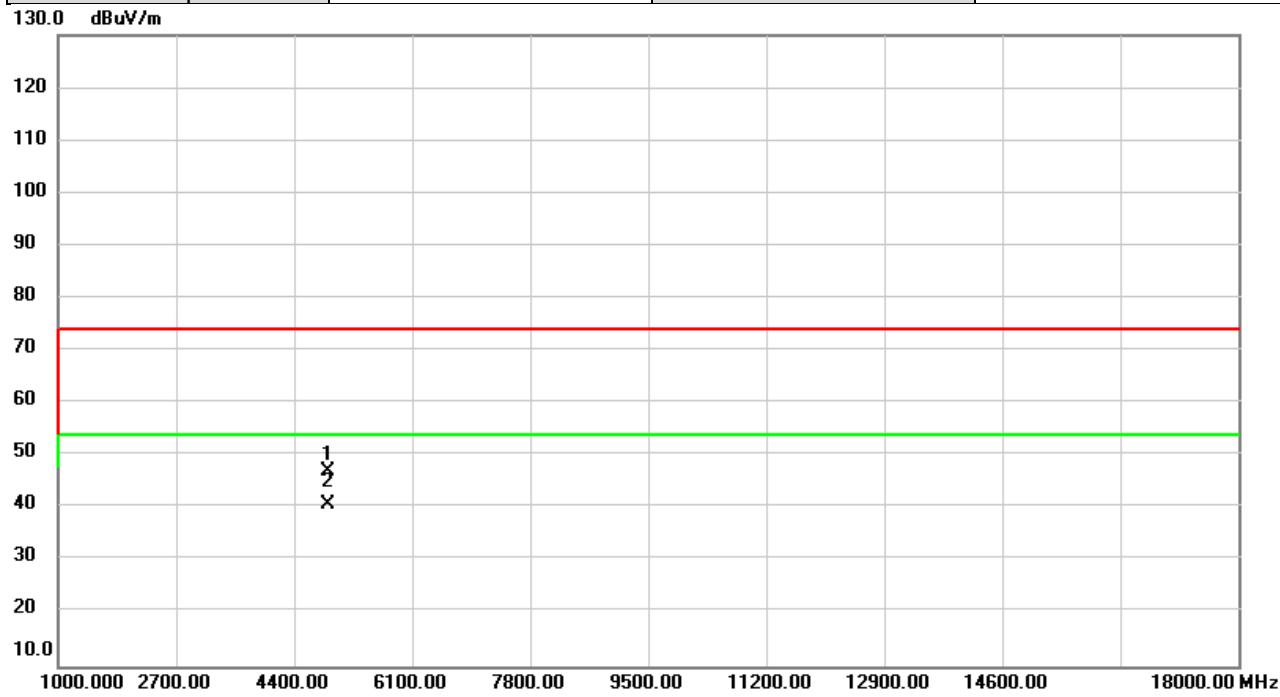


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4882.000	46.69	2.08	48.77	74.00	-25.23	peak	
2	*	4882.000	43.00	2.08	45.08	54.00	-8.92	AVG	

## REMARKS:

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

Test Mode	BT (3 Mbps)	Test Date	2025/4/8
Test Frequency	2441MHz	Polarization	Horizontal
Temp	25°C	Hum.	66%

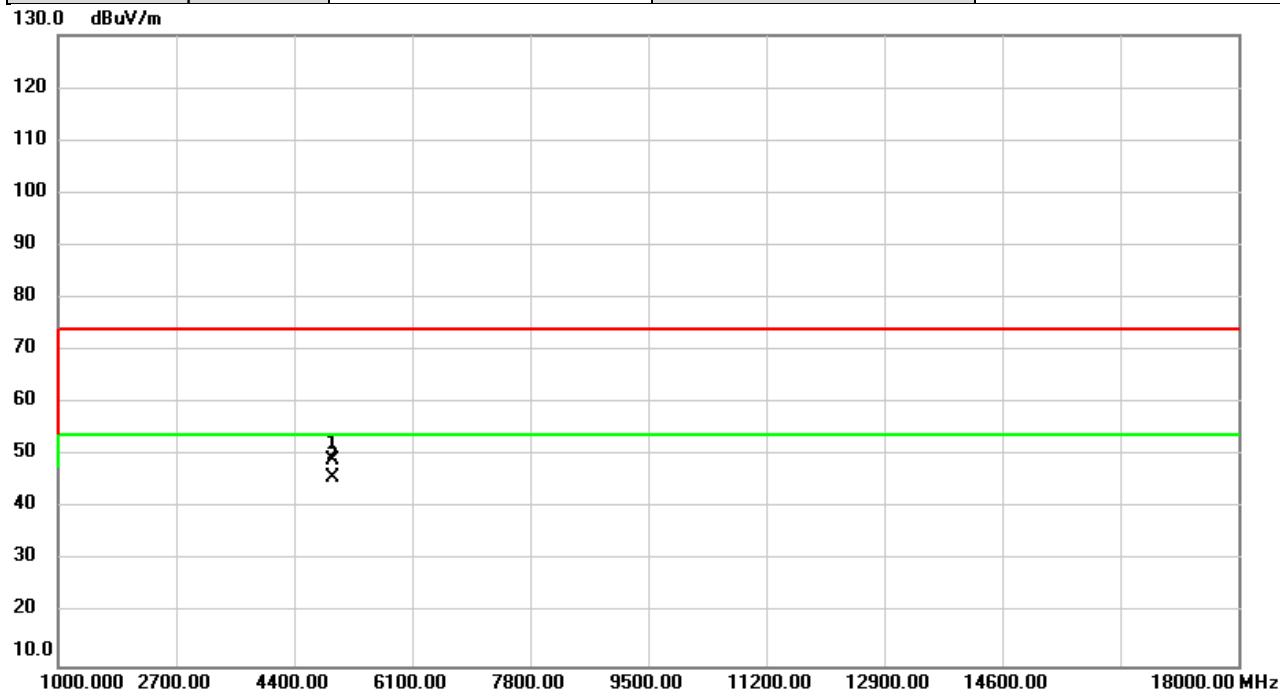


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4882.000	44.93	2.08	47.01	74.00	-26.99	peak	
2	*	4882.000	38.67	2.08	40.75	54.00	-13.25	AVG	

**REMARKS:**

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

Test Mode	BT (3 Mbps)	Test Date	2025/4/8
Test Frequency	2480MHz	Polarization	Vertical
Temp	25°C	Hum.	66%

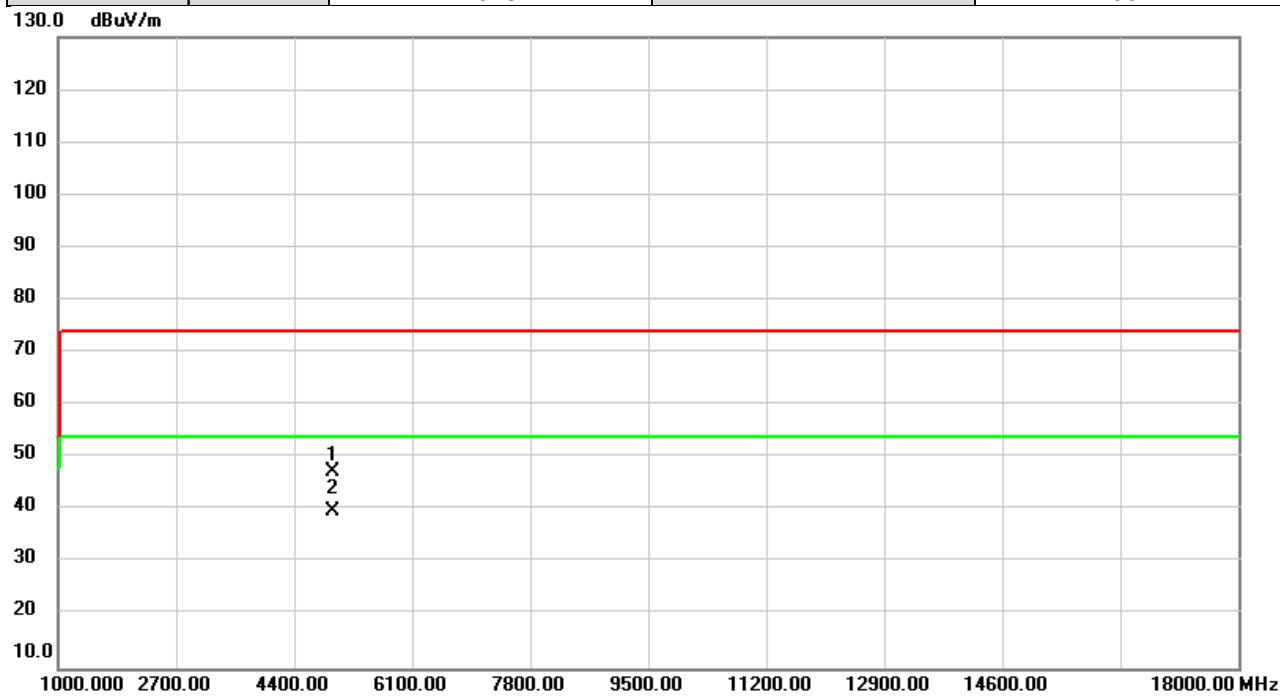


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	Detector	Comment
1		4960.000	46.91	2.32	49.23	74.00	-24.77	peak
2	*	4960.000	43.45	2.32	45.77	54.00	-8.23	AVG

## REMARKS:

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

Test Mode	BT (3 Mbps)	Test Date	2025/4/8
Test Frequency	2480MHz	Polarization	Horizontal
Temp	25°C	Hum.	66%

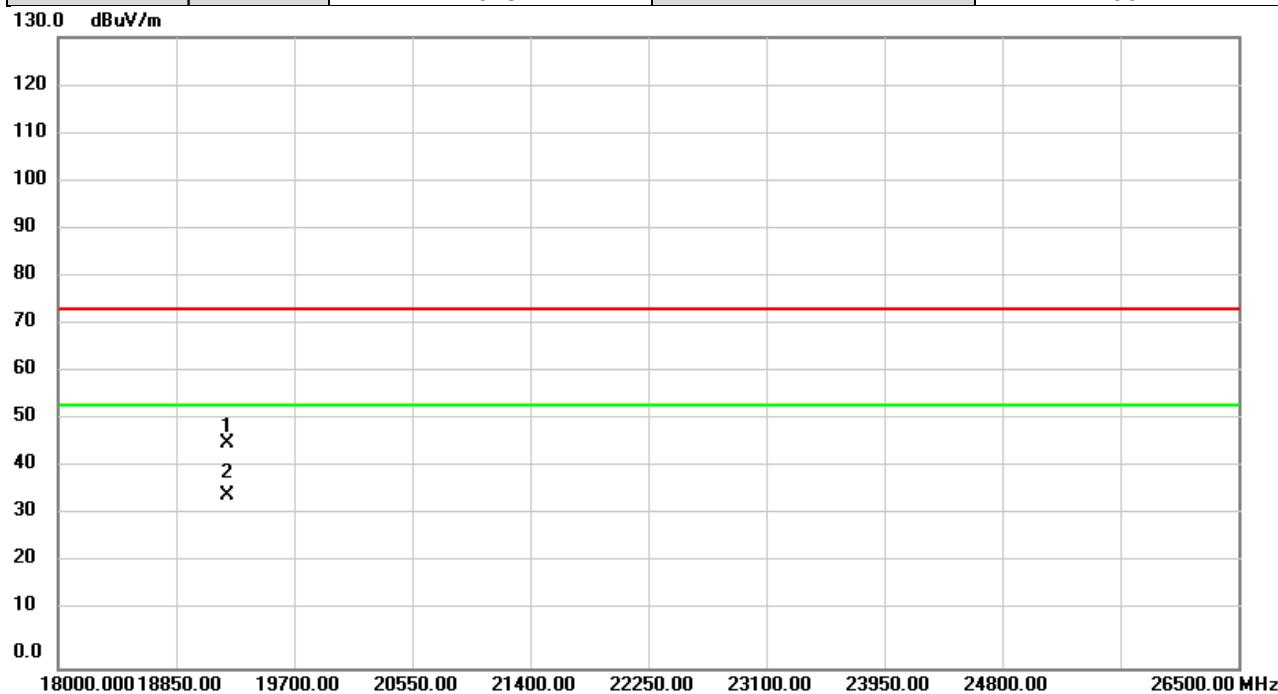


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4960.000	45.16	2.32	47.48	74.00	-26.52	peak	
2	*	4960.000	37.52	2.32	39.84	54.00	-14.16	AVG	

## REMARKS:

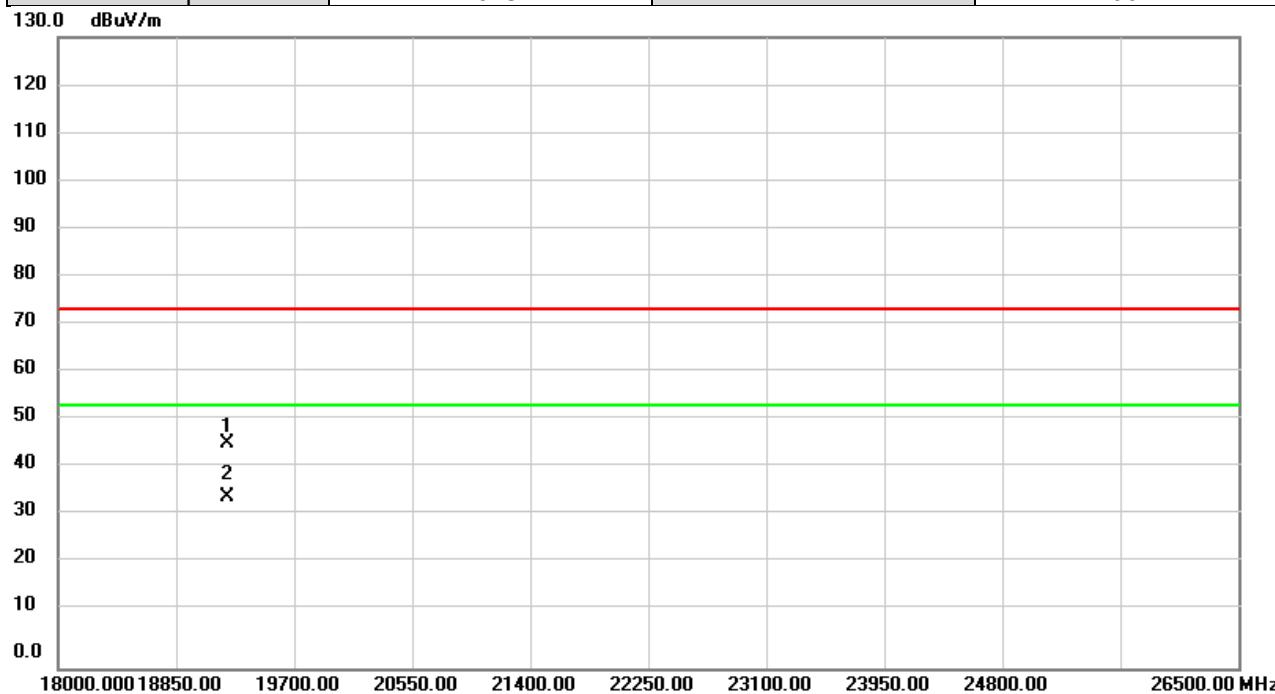
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	BT (1 Mbps)	Test Date	2025/4/8
Test Frequency	2402MHz	Polarization	Vertical
Temp	25°C	Hum.	66%

**REMARKS:**

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

Test Mode	BT (1 Mbps)	Test Date	2025/4/8
Test Frequency	2402MHz	Polarization	Horizontal
Temp	25°C	Hum.	66%

**REMARKS:**

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

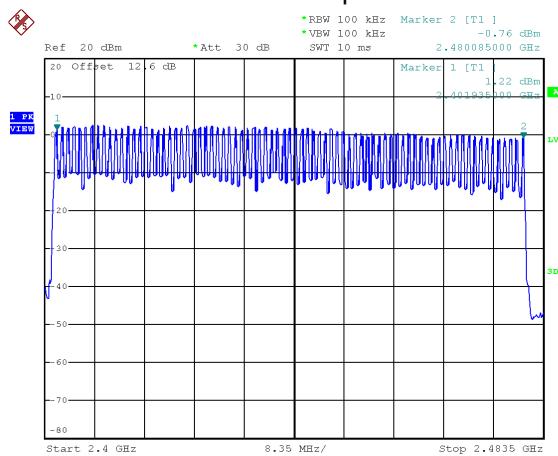
**APPENDIX E NUMBER OF HOPPING CHANNEL**

For CSR 8635

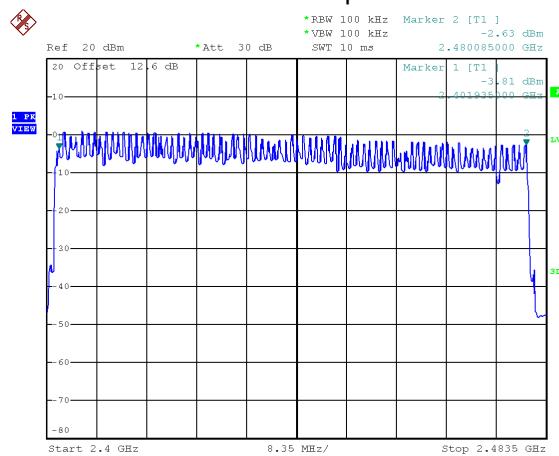
Test Mode	1/3Mbps
-----------	---------

Test Mode	Number of Hopping Channel	≥ Limit	Test Result
1 Mbps	79	15	Pass
3 Mbps	79	15	Pass

1 Mbps



3 Mbps



Date: 24.APR.2025 12:20:09

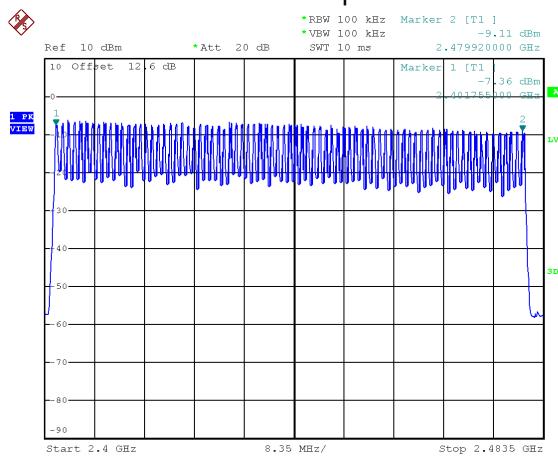
Date: 24.APR.2025 12:50:59

For STBT038 (AB1565M)

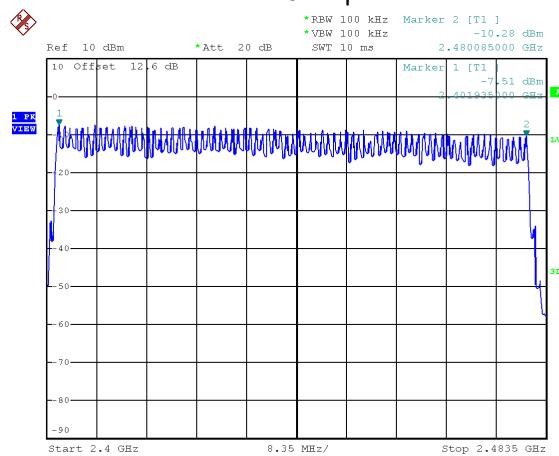
Test Mode	1/3Mbps
-----------	---------

Test Mode	Number of Hopping Channel	≥ Limit	Test Result
1 Mbps	79	15	Pass
3 Mbps	79	15	Pass

1 Mbps



3 Mbps



Date: 24.APR.2025 17:00:26

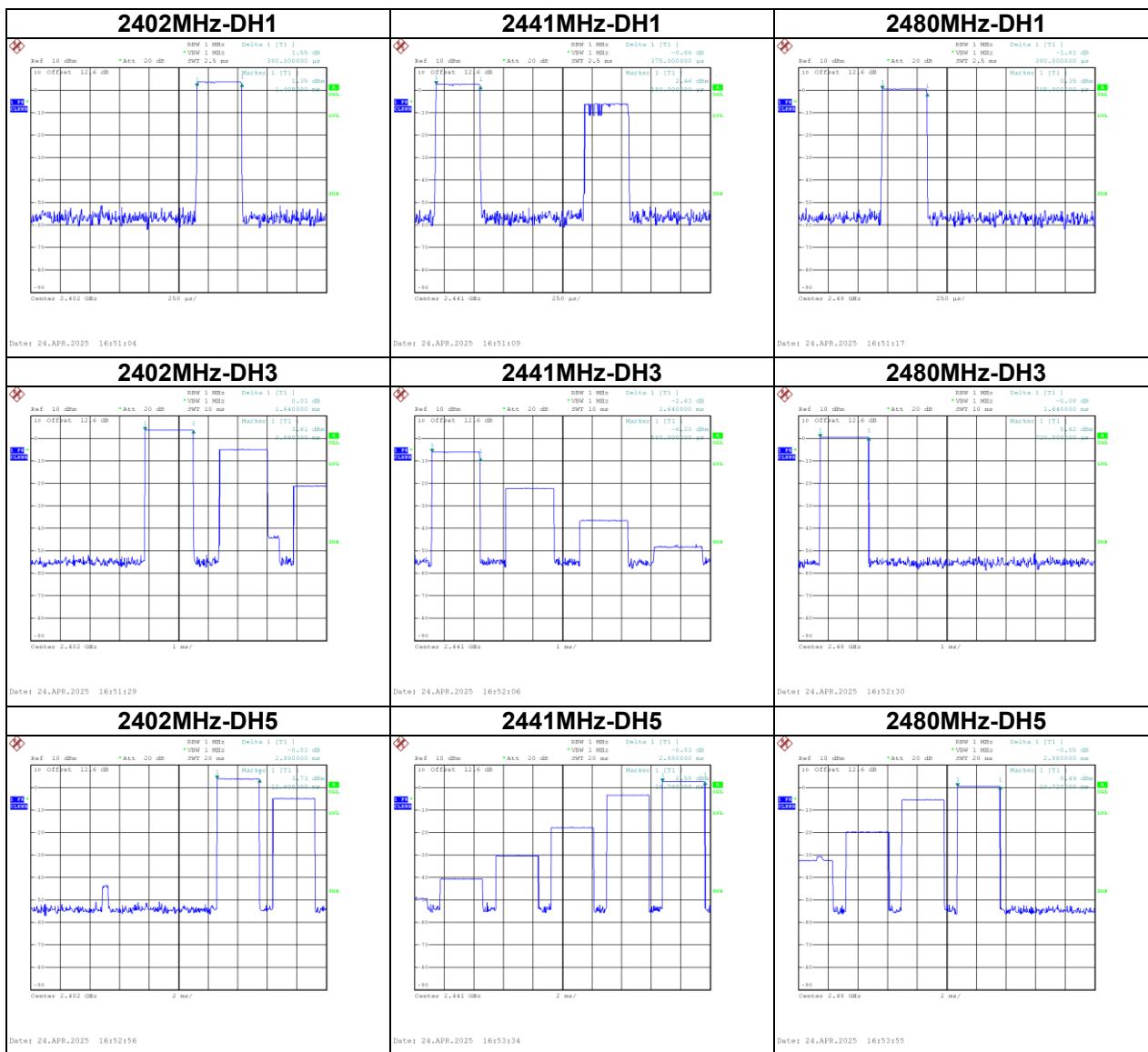
Date: 24.APR.2025 17:09:55

## APPENDIX F AVERAGE TIME OF OCCUPANCY

For CSR 8635

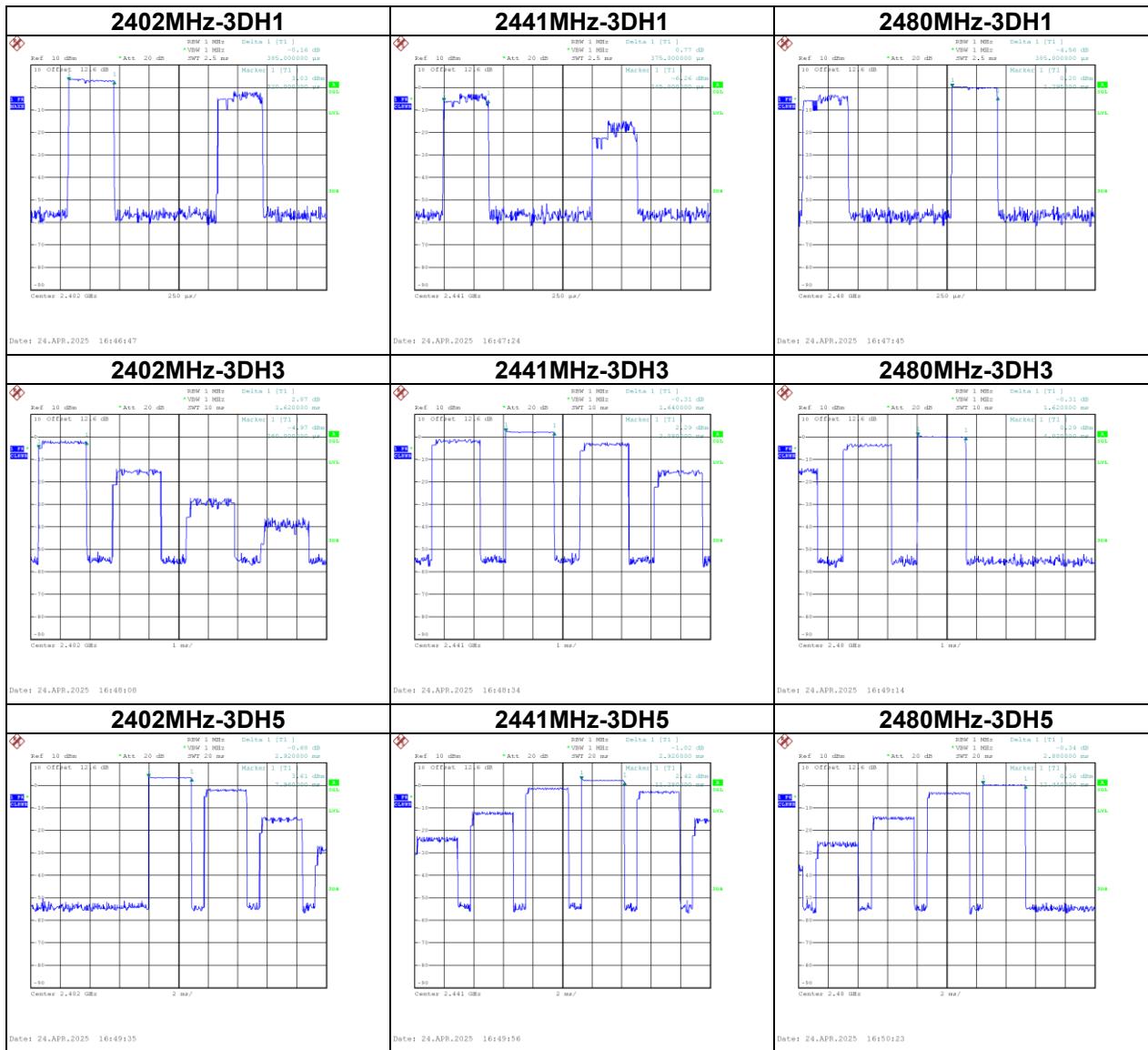
Test Mode : 1Mbps

Data Packet	Frequency (MHz)	Pulse Duration (ms)	Dwell Time (s)	Limits (s)	Test Result
DH5	2402	2.9200	0.3115	0.4000	Pass
DH3	2402	1.6600	0.2656	0.4000	Pass
DH1	2402	0.3950	0.1264	0.4000	Pass
DH5	2441	2.8800	0.3072	0.4000	Pass
DH3	2441	1.6400	0.2624	0.4000	Pass
DH1	2441	0.3900	0.1248	0.4000	Pass
DH5	2480	2.9200	0.3115	0.4000	Pass
DH3	2480	1.6600	0.2656	0.4000	Pass
DH1	2480	0.3900	0.1248	0.4000	Pass



Test Mode : 3Mbps

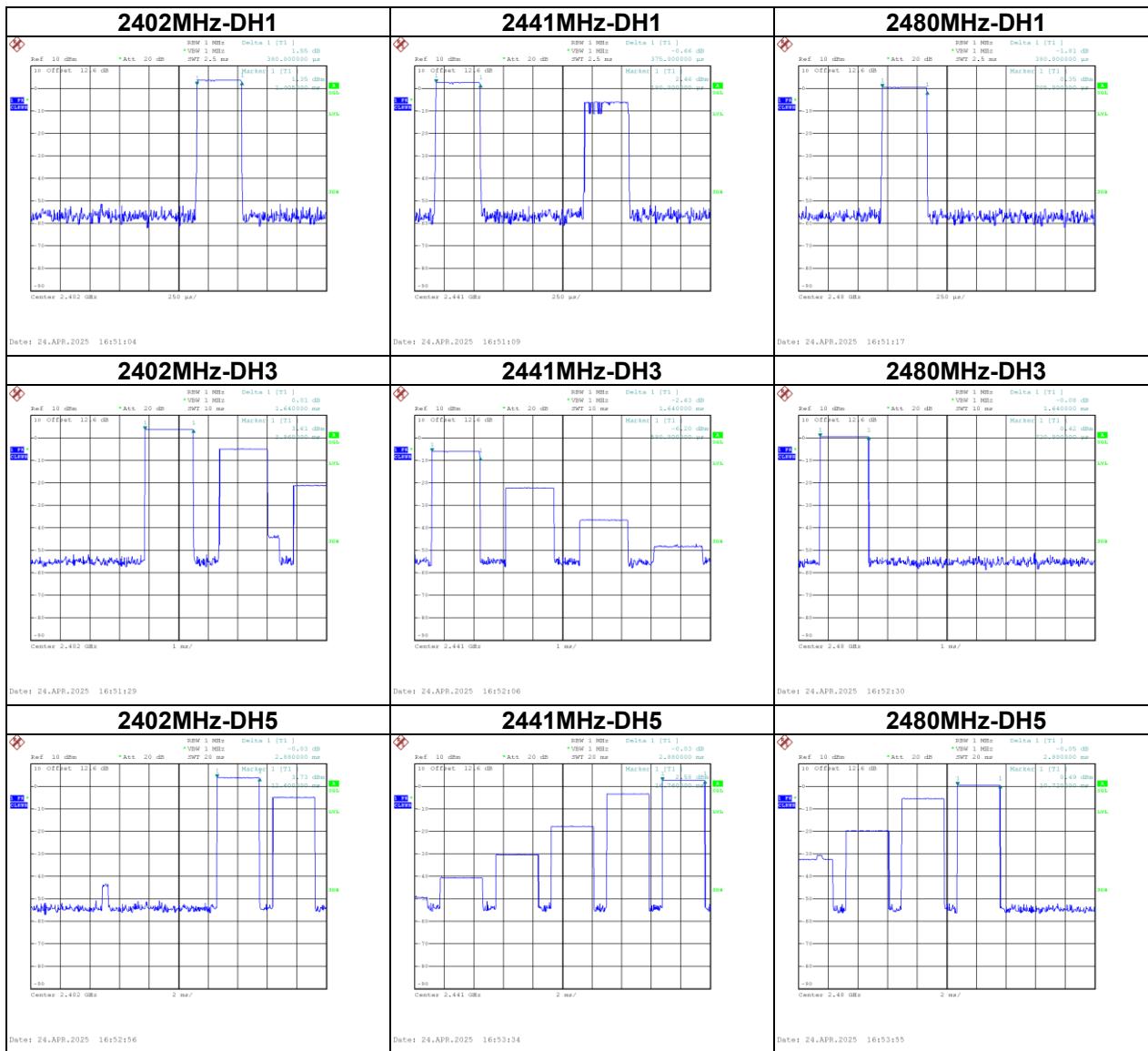
Data Packet	Frequency	Pulse Duration(ms)	Dwell Time(s)	Limits(s)	Test Result
3DH5	2402	2.9200	0.3115	0.4000	Pass
3DH3	2402	1.6600	0.2656	0.4000	Pass
3DH1	2402	0.4150	0.1328	0.4000	Pass
3DH5	2441	2.8800	0.3072	0.4000	Pass
3DH3	2441	1.6600	0.2656	0.4000	Pass
3DH1	2441	0.4050	0.1296	0.4000	Pass
3DH5	2480	2.9200	0.3115	0.4000	Pass
3DH3	2480	1.6600	0.2656	0.4000	Pass
3DH1	2480	0.4150	0.1328	0.4000	Pass



For STBT038 (AB1565M)

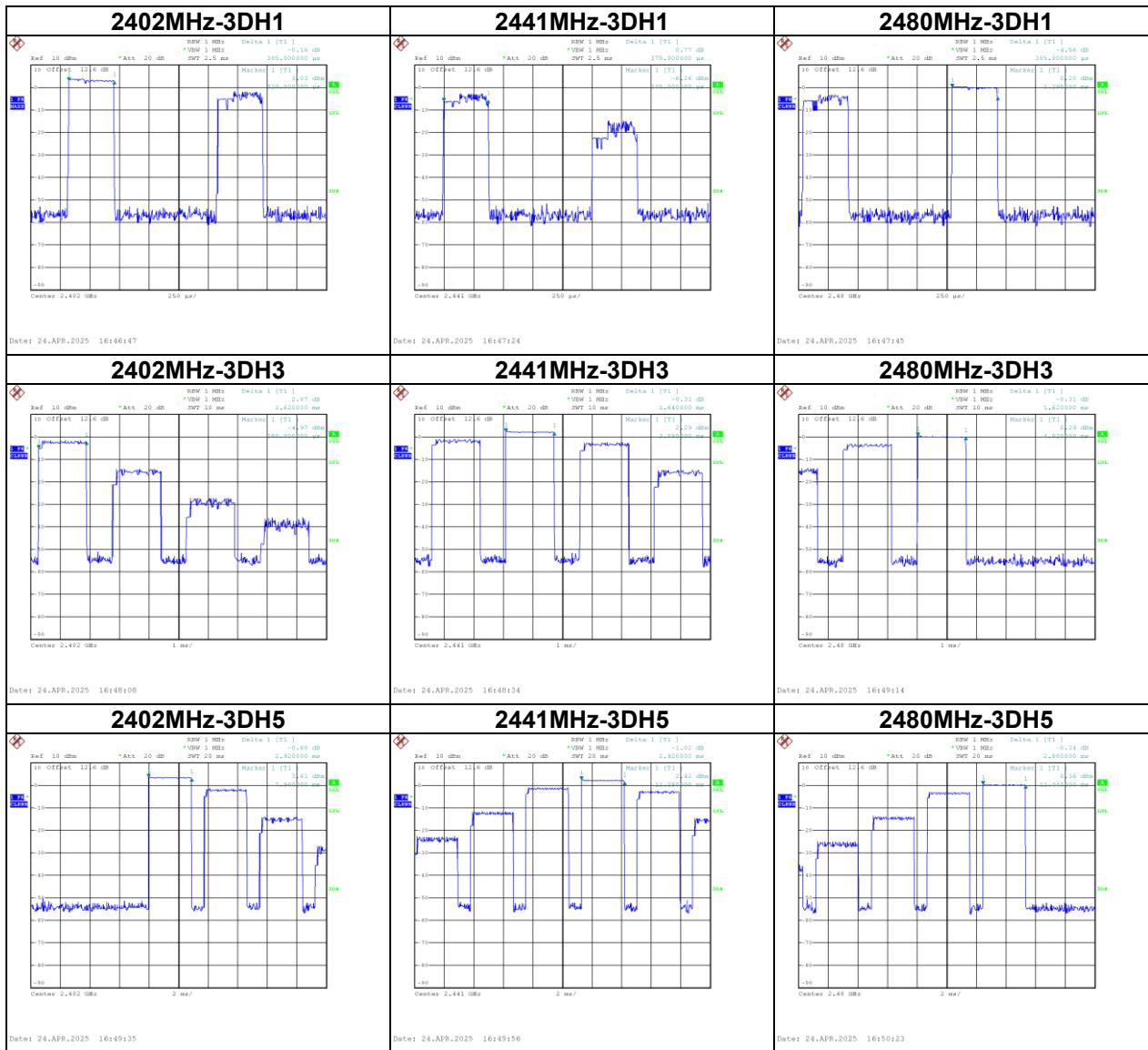
Test Mode : 1Mbps

Data Packet	Frequency (MHz)	Pulse Duration (ms)	Dwell Time (s)	Limits (s)	Test Result
DH5	2402	2.8800	0.3072	0.4000	Pass
DH3	2402	1.6400	0.2624	0.4000	Pass
DH1	2402	0.3800	0.1216	0.4000	Pass
DH5	2441	2.8800	0.3072	0.4000	Pass
DH3	2441	1.6400	0.2624	0.4000	Pass
DH1	2441	0.3750	0.1200	0.4000	Pass
DH5	2480	2.8800	0.3072	0.4000	Pass
DH3	2480	1.6400	0.2624	0.4000	Pass
DH1	2480	0.3800	0.1216	0.4000	Pass



Test Mode : 3Mbps

Data Packet	Frequency	Pulse Duration(ms)	Dwell Time(s)	Limits(s)	Test Result
3DH5	2402	2.9200	0.3115	0.4000	Pass
3DH3	2402	1.6200	0.2592	0.4000	Pass
3DH1	2402	0.3850	0.1232	0.4000	Pass
3DH5	2441	2.9200	0.3115	0.4000	Pass
3DH3	2441	1.6400	0.2624	0.4000	Pass
3DH1	2441	0.3750	0.1200	0.4000	Pass
3DH5	2480	2.8800	0.3072	0.4000	Pass
3DH3	2480	1.6200	0.2592	0.4000	Pass
3DH1	2480	0.3850	0.1232	0.4000	Pass

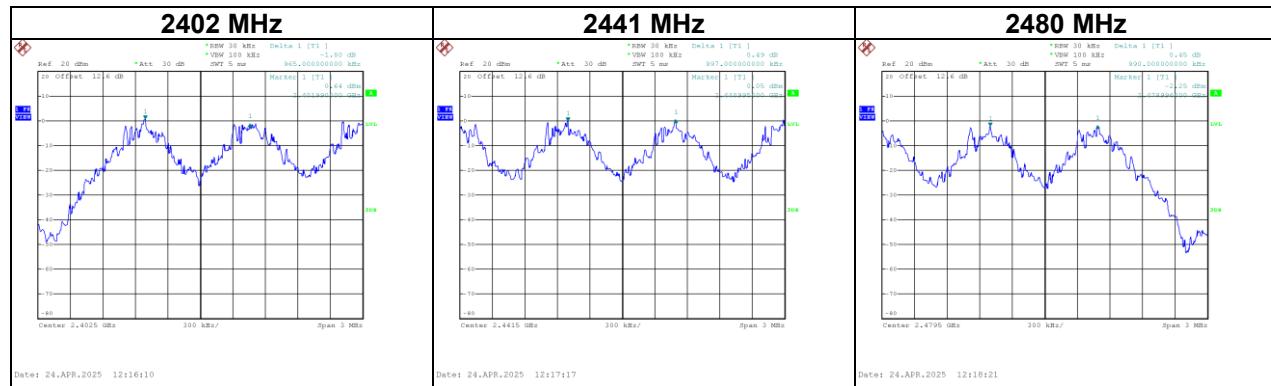


**APPENDIX G HOPPING CHANNEL SEPARATION MEASUREMENT**

For CSR 8635

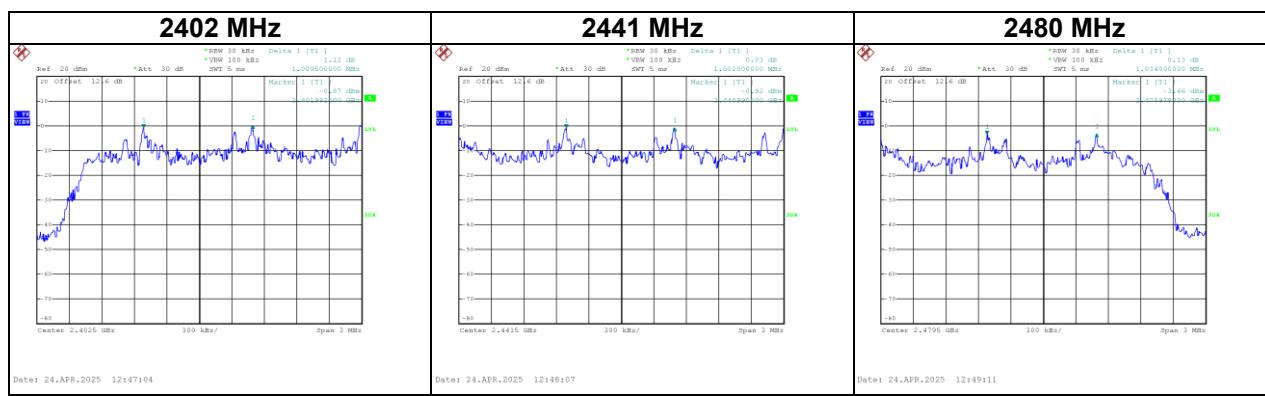
Test Mode : Hopping on \_1Mbps

Frequency (MHz)	Channel Separation (MHz)	2/3 of 20dB Bandwidth (MHz)	Test Result
2402	0.965	0.635	Pass
2441	0.997	0.640	Pass
2480	0.990	0.617	Pass



Test Mode : Hopping on \_3Mbps

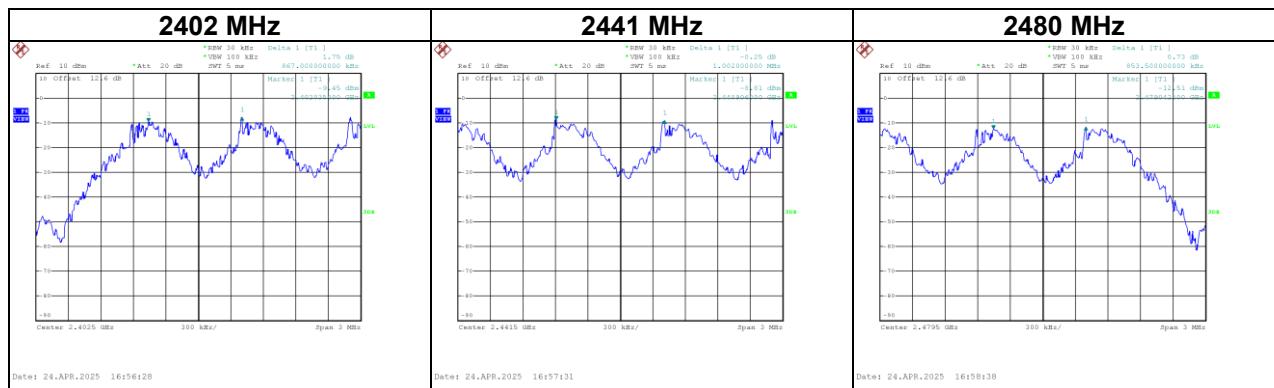
Frequency (MHz)	Channel Separation (MHz)	2/3 of 20dB Bandwidth (MHz)	Test Result
2402	1.010	0.845	Pass
2441	1.002	0.868	Pass
2480	1.014	0.840	Pass



For STBT038 (AB1565M)

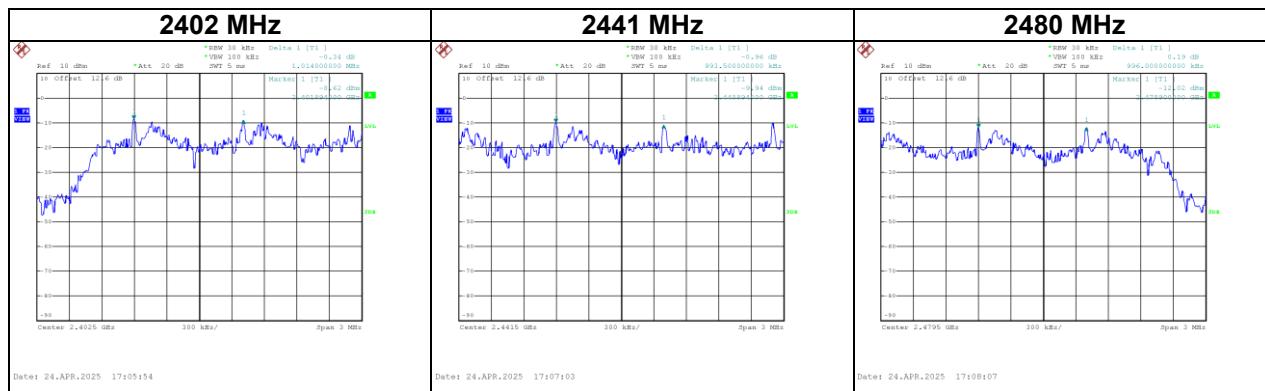
Test Mode : Hopping on \_1Mbps

Frequency (MHz)	Channel Separation (MHz)	2/3 of 20dB Bandwidth (MHz)	Test Result
2402	0.867	0.685	Pass
2441	1.002	0.685	Pass
2480	0.854	0.681	Pass



Test Mode : Hopping on \_3Mbps

Frequency (MHz)	Channel Separation (MHz)	2/3 of 20dB Bandwidth (MHz)	Test Result
2402	1.014	0.882	Pass
2441	0.994	0.880	Pass
2480	0.996	0.908	Pass

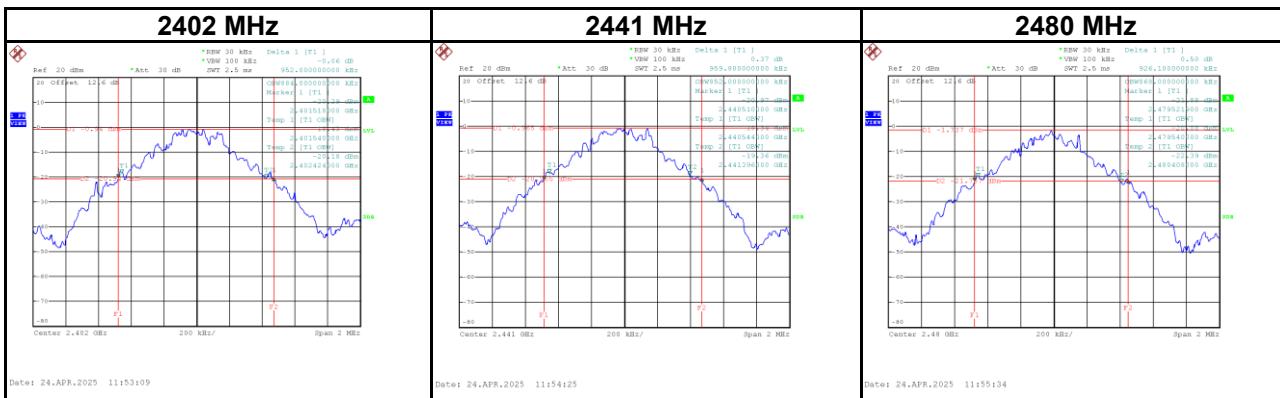


## **APPENDIX H BANDWIDTH**

For CSR 8635

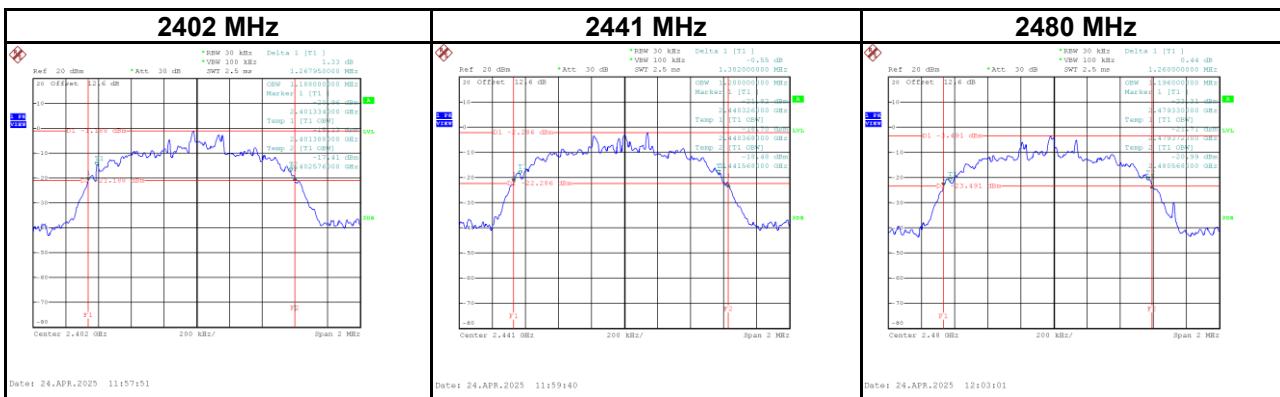
Test Mode : 1Mbps

Frequency (MHz)	20dB Bandwidth (MHz)	99% Occupied BW (MHz)	Test Result
2402	0.952	0.884	Pass
2441	0.960	0.852	Pass
2480	0.926	0.868	Pass



Test Mode : 3Mbps

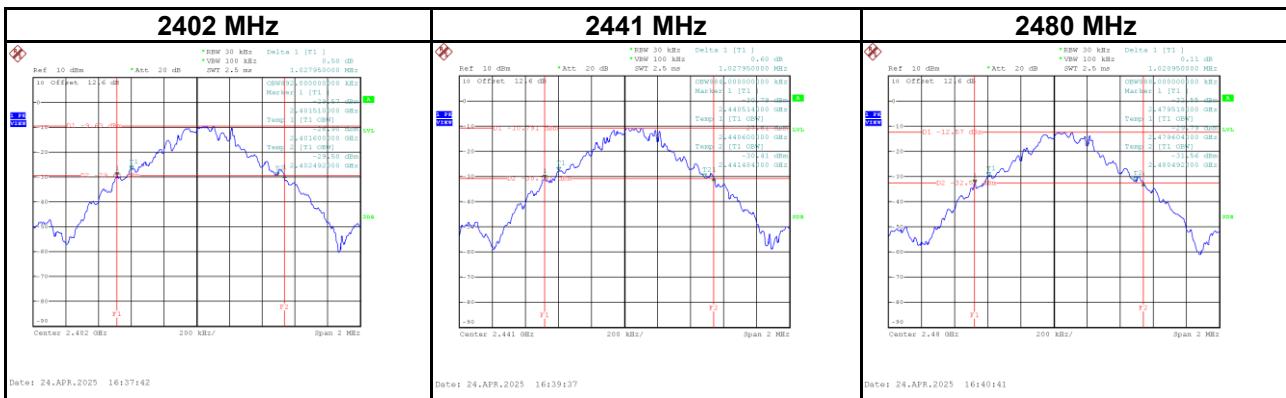
Frequency (MHz)	20dB Bandwidth (MHz)	99% Occupied BW (MHz)	Test Result
2402	1.268	1.188	Pass
2441	1.302	1.200	Pass
2480	1.260	1.196	Pass



For STBT038 (AB1565M)

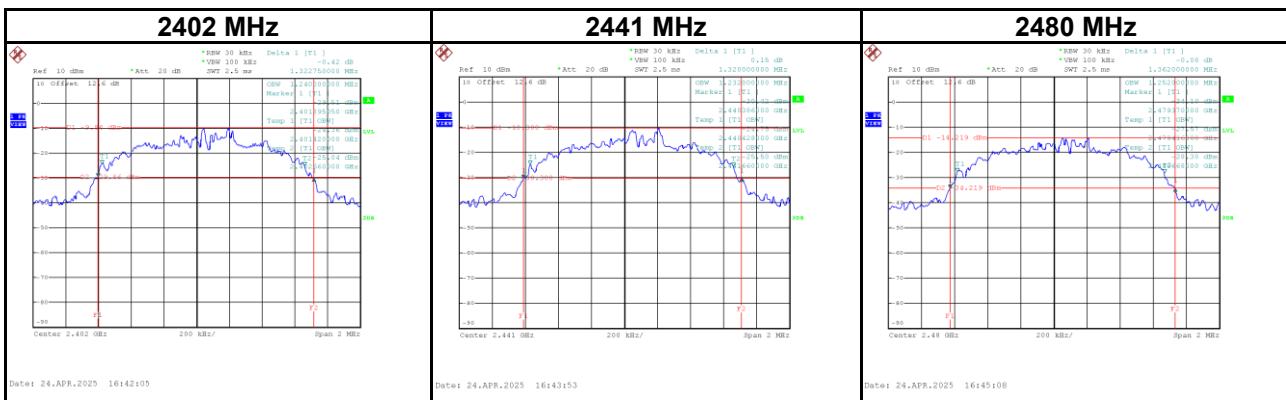
Test Mode : 1Mbps

Frequency (MHz)	20dB Bandwidth (MHz)	99% Occupied BW (MHz)	Test Result
2402	1.028	0.892	Pass
2441	1.028	0.884	Pass
2480	1.021	0.888	Pass



Test Mode : 3Mbps

Frequency (MHz)	20dB Bandwidth (MHz)	99% Occupied BW (MHz)	Test Result
2402	1.323	1.240	Pass
2441	1.320	1.232	Pass
2480	1.362	1.252	Pass



## APPENDIX I    OUTPUT POWER

For CSR 8635

Test Mode :	1Mbps	Tested Date	2025/4/24
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Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Test Result
2402	2.26	0.0017	20.97	0.1250	Pass
2441	2.32	0.0017	20.97	0.1250	Pass
2480	0.06	0.0010	20.97	0.1250	Pass

Test Mode :	2Mbps	Tested Date	2025/4/24
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Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Test Result
2402	0.92	0.0012	20.97	0.1250	Pass
2441	0.69	0.0012	20.97	0.1250	Pass
2480	-1.12	0.0008	20.97	0.1250	Pass

Test Mode :	3Mbps	Tested Date	2025/4/24
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Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Test Result
2402	1.15	0.0013	20.97	0.1250	Pass
2441	1.10	0.0013	20.97	0.1250	Pass
2480	-0.83	0.0008	20.97	0.1250	Pass

For STBT038 (AB1565M)

Test Mode :	1Mbps	Tested Date	2025/4/24
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Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Test Result
2402	-4.56	0.0003	20.97	0.1250	Pass
2441	-5.35	0.0003	20.97	0.1250	Pass
2480	-6.42	0.0002	20.97	0.1250	Pass

Test Mode :	2Mbps	Tested Date	2025/4/24
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Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Test Result
2402	-4.72	0.0003	20.97	0.1250	Pass
2441	-5.81	0.0003	20.97	0.1250	Pass
2480	-6.17	0.0002	20.97	0.1250	Pass

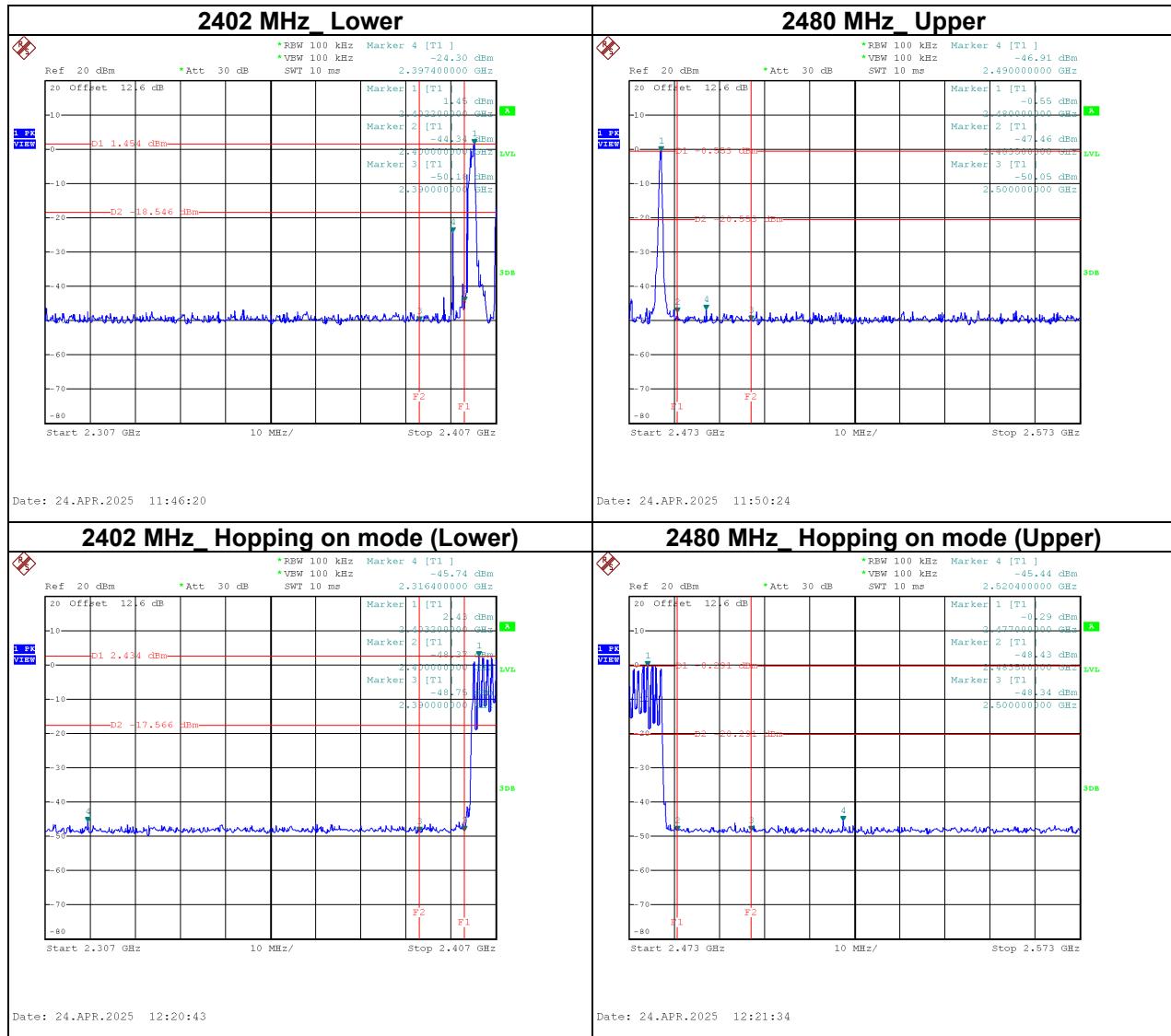
Test Mode :	3Mbps	Tested Date	2025/4/24
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Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Test Result
2402	-4.61	0.0003	20.97	0.1250	Pass
2441	-5.53	0.0003	20.97	0.1250	Pass
2480	-6.40	0.0002	20.97	0.1250	Pass

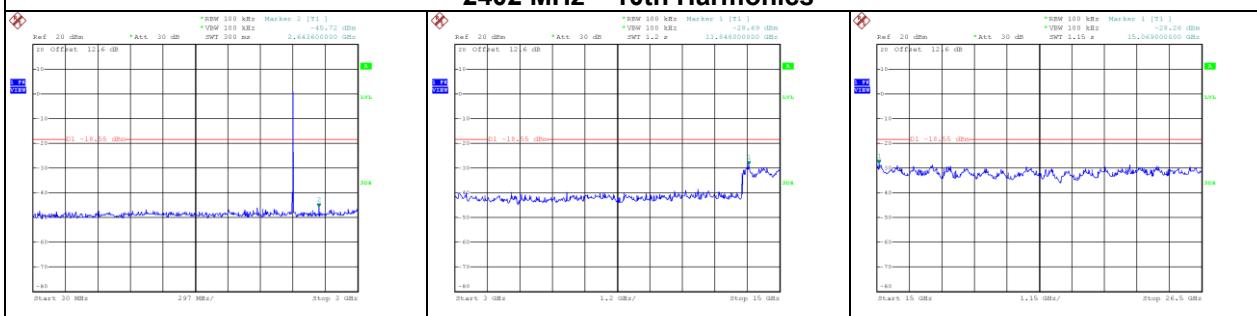
**APPENDIX J ANTENNA CONDUCTED SPURIOUS EMISSION**

For CSR 8635

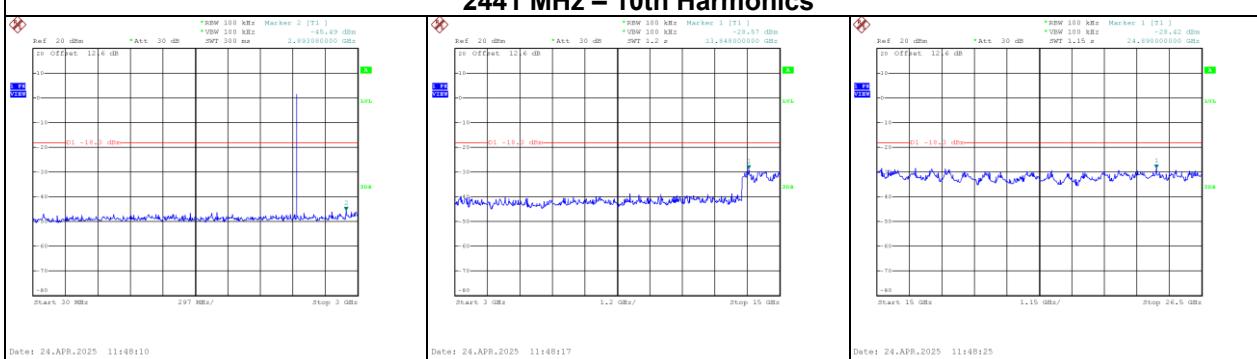
Test Mode | 1Mbps



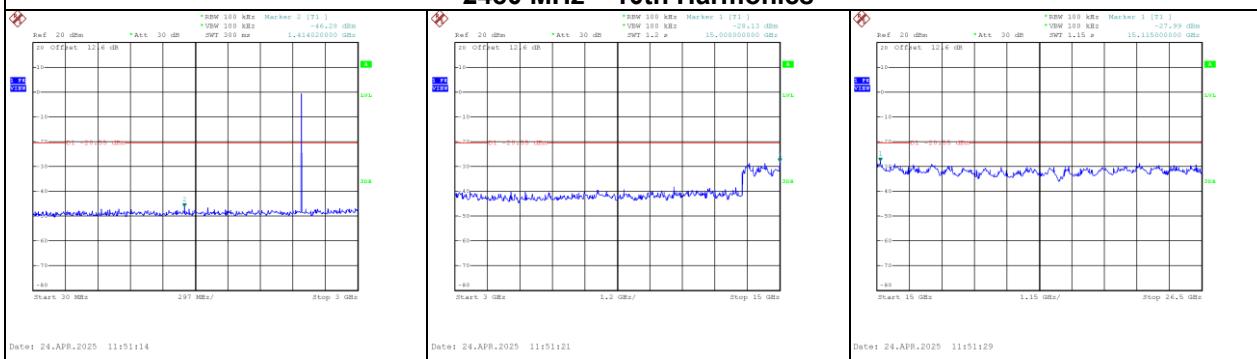
## 2402 MHz – 10th Harmonics



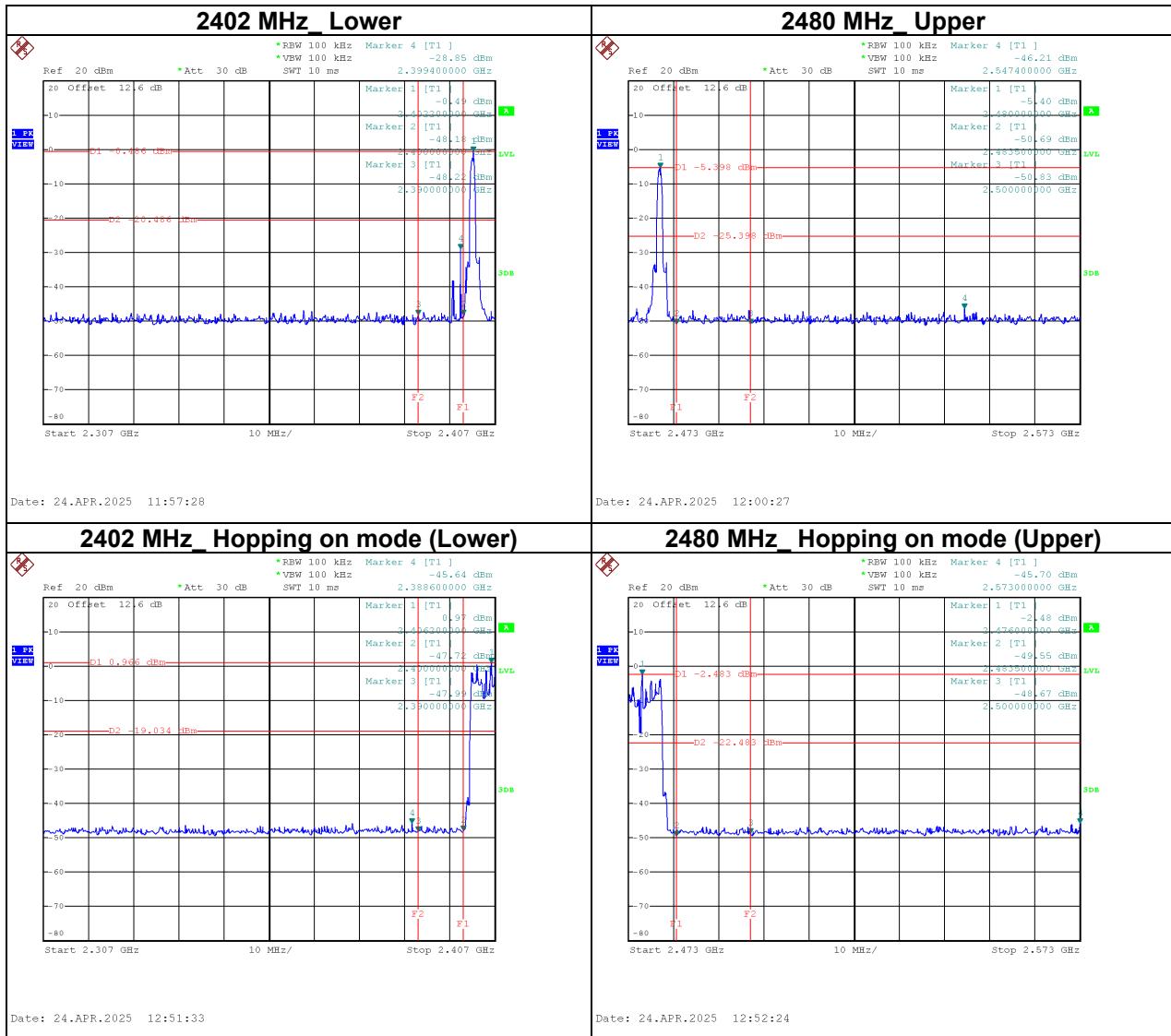
## 2441 MHz – 10th Harmonics

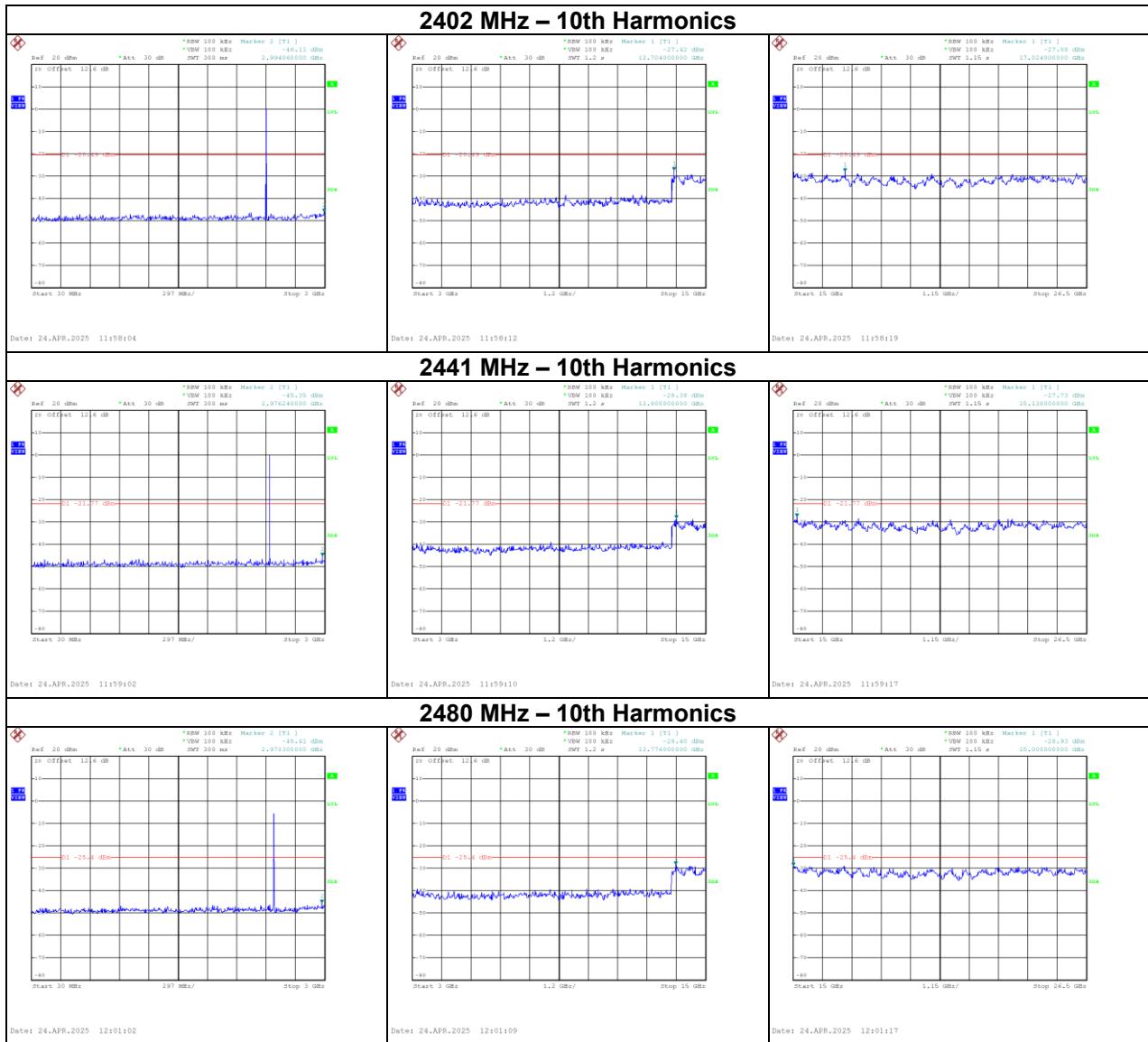


## 2480 MHz – 10th Harmonics



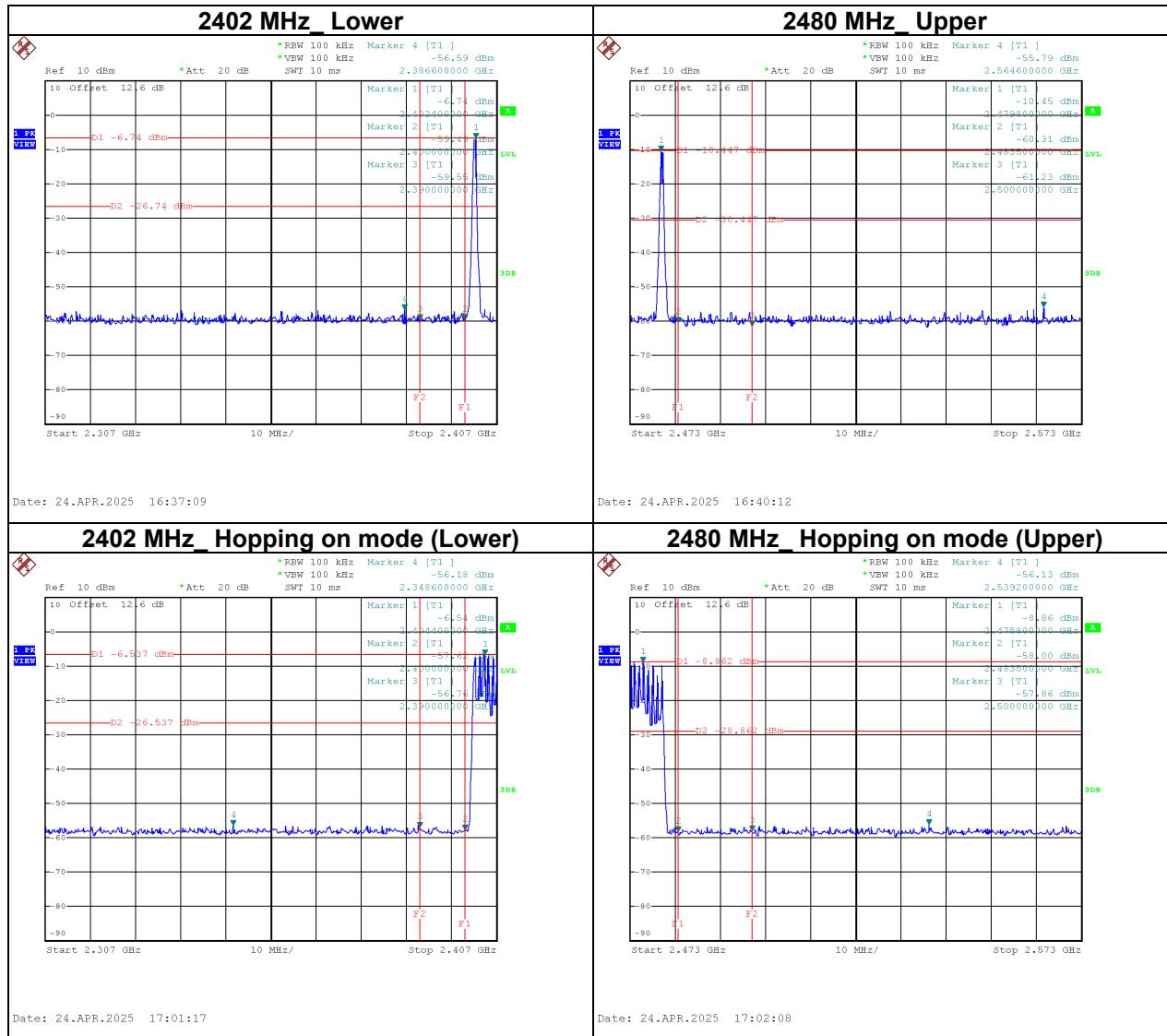
Test Mode	3Mbps
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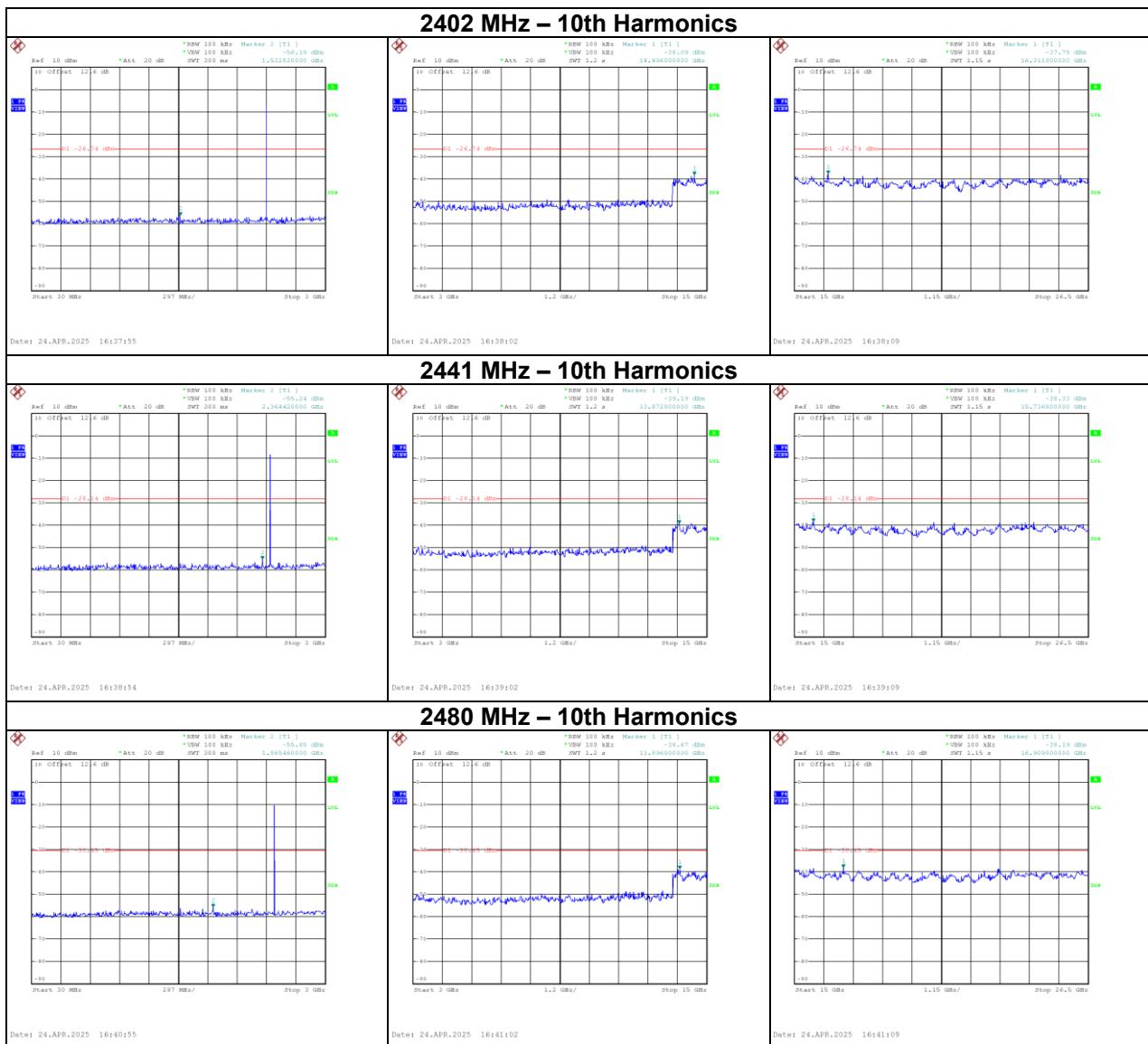




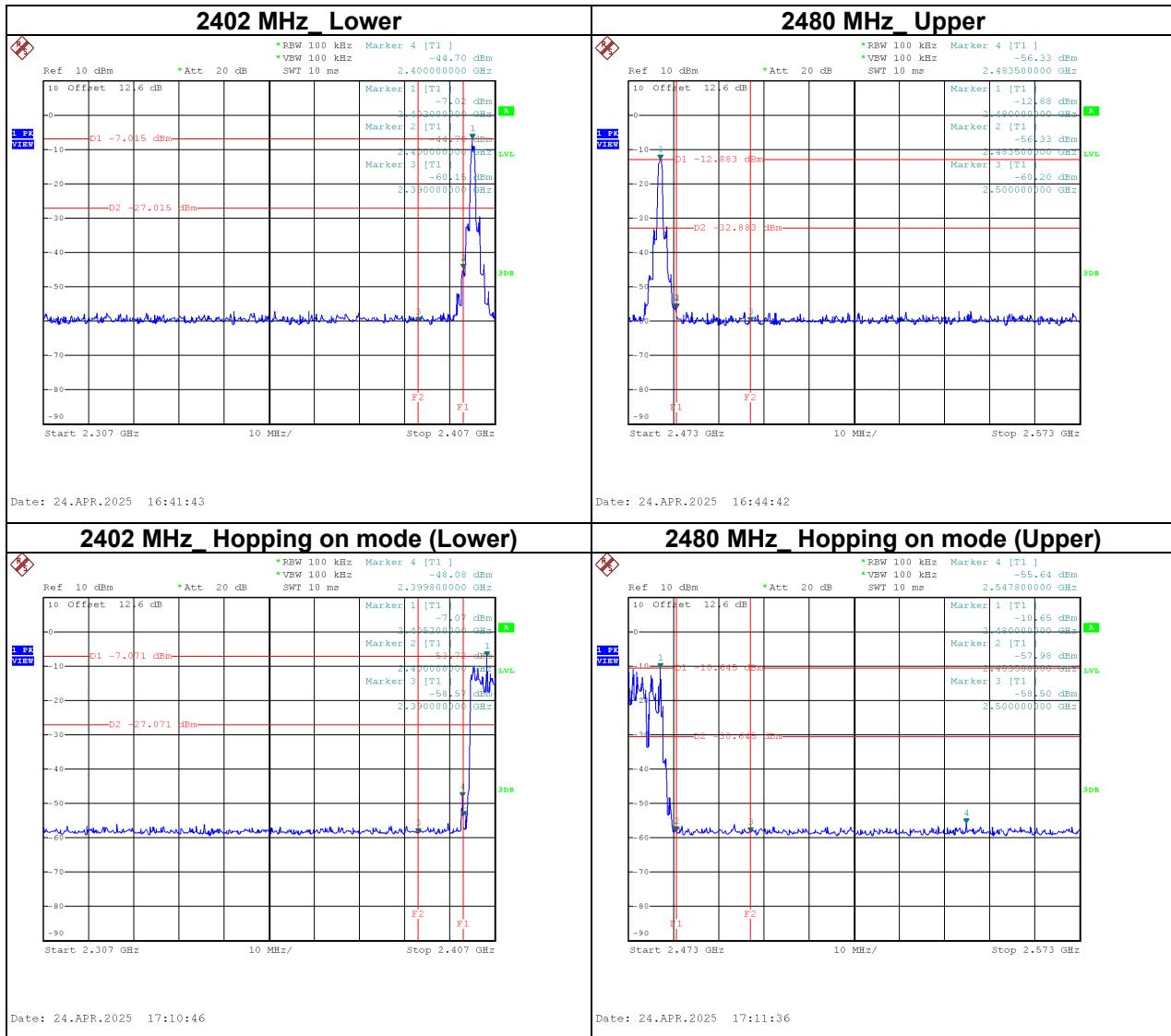
For STBT038 (AB1565M)

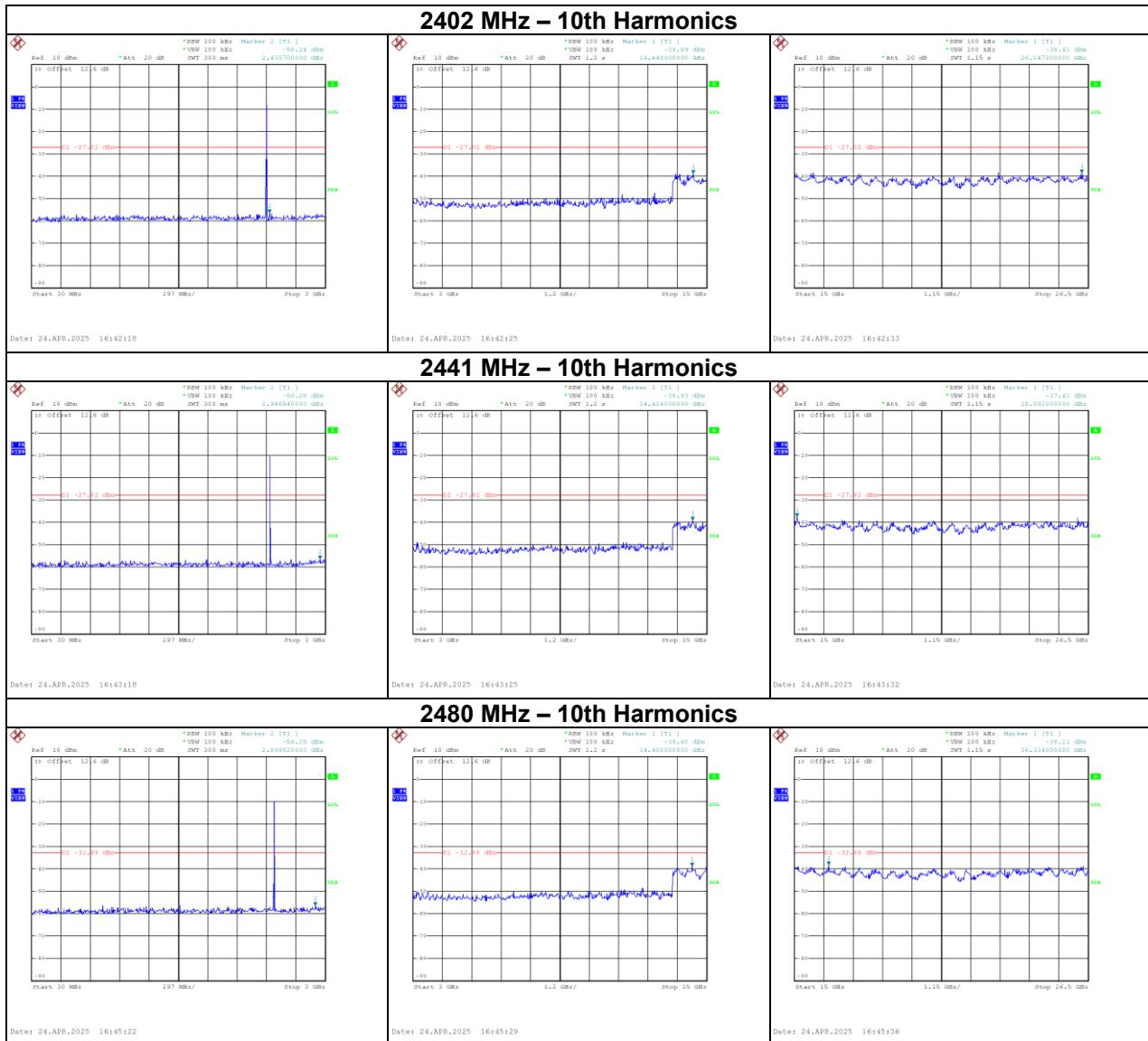
Test Mode 1Mbps





Test Mode	3Mbps
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**End of Test Report**