

Project No.: TM-2502000034P
Report No.: TMWK2506002313KR

FCC ID: ZQ6-AP6611S

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RADIO TEST REPORT

FCC 47 CFR PART 15 SUBPART C

Class II Permissive Change

Test Standard	FCC Part 15.247
Product name	Wi-Fi/Bluetooth Module
Brand Name	AMPAK Technology Inc.
Model No.	AP6611S, AP12611_M2, WNFS-163AXI(BT)
Test Result	Pass
Statements of Conformity	Determination of compliance is based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

The test Result was tested by Compliance Certification Services Inc. The test data, data evaluation, test procedures, and equipment configurations shown in this report were given in ANSI C63.10-2020+Cor.1-2023 and compliance standards.

The test results of this report relate only to the tested sample (EUT) identified in this report.

The test Report of full or partial shall not copy. Without written approval of Compliance Certification Services Inc.(Wugu Laboratory)

Approved by:



Shawn Wu
Supervisor

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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Revision History

Rev.	Issue Date	Revisions	Effect Page	Revised By
00	August 01, 2025	Initial Issue	ALL	Allison Chen



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1. GENERAL INFORMATION

1.1 EUT INFORMATION

Applicant	AMPAK Technology Inc. 3F, No. 1, Jen Ai Road, Hsinchu Industrial Park,, Hsinchu, N/A 30352 Taiwan
Manufacturer	BILLIONTON SYSTEMS INC. No. 21, Sui-Lih Rd., Hsin-Chu City 300, Taiwan (R.O.C.)
Equipment	Wi-Fi/Bluetooth Module
Model Name	AP6611S, AP12611_M2, WNFS-163AXI(BT)
Model Discrepancy	Difference of the three model numbers (list on this report) is just for marketing purpose only.
Received Date	February 06, 2025
Date of Test	June 13 ~ July 03, 2025
Power Supply	Power from Host system.
HW Version	VERSION 18.42.31 (WLTEST) (g23d648fd) FWID 01-f88f8b64
SW Version	DOS [ver 6.1.7601]
Class II Permissive Change	1. The subject approved module is integrated in new host. (Product: Tablet PC, Model: AIM-77S) 2. Evaluation has been done to ensure compliance of EMC and RF exposure. 3. The hardware design is remained unchanged in this permissive change application. 4. The RF parameters of this transmitter that may affect compliance are remained unchanged in this permissive change application. 5. The security mechanism according to section II of KDB 594280 D02 is remained unchanged as it reported to the FCC at the initial certification. 6. WLAN transmitter only supports with passive scanning in UNII-2A & UNII-2C bands without radar detection, hence radar detection is exempted from evaluation in this permissive change. 7. Adding new antenna(s) with lower gain compared to the original grant condition. The antenna type is different from the original approval. Please refer to the antenna report for detail.



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Host information	Product / Model: Tablet PC / AIM-77S Power supply 1. Power from Adapter. FSP / FSP045-A2BR3 I/P: 100-240Vac, 1.5A, 50-60Hz O/P: 5.0Vdc, 3.0A, 15W or 9.0Vdc, 3.0A, 27W or 12.0Vdc, 3.0A, 36W or 15.0Vdc, 3.0A, 45W or 20.0Vdc, 2.25A, 45.0W 2. Power from Rechargeable Li-ion Polymer Battery. ADVANTECH / AIM-77-BAT-10 Rating: 7.7Vdc, 34.19Wh
-------------------------	--

Remark:

1. For more details, please refer to the User's manual of the EUT.
2. Disclaimer: Antenna information is provided by the applicant, test results of this report are applicable to the sample EUT received.
3. Disclaimer: The variant model numbers are assessed as identical in hardware and software to each other, hence all variants are fully covered by the test results in this test report without further verification test.
4. Disclaimer: Variant information between/among model numbers is provided by the applicant, test results of this report are applicable to the sample EUT received of main test model name.



1.2 INFORMATION ABOUT THE FHSS CHARACTERISTICS

1.2.1 Pseudorandom Frequency Hopping Sequence

The channel is represented by a pseudo-random hopping sequence hopping through the 79 RF channels. The hopping sequence is unique for the piconet and is determined by the Bluetooth device address of the master; the phase in the hopping sequence is determined by the Bluetooth clock of the master. The channel is divided into time slots where each slot corresponds to an RF hop frequency. Consecutive hops correspond to different RF hop frequencies. The nominal hop rate is 1 600 hops/s.

1.2.2 Equal Hopping Frequency Use

The channels of this system will be used equally over the long-term distribution of the hopsets.

1.2.3 Example of a 79 hopping sequence in data mode:

02, 05, 31, 24, 20, 10, 43, 36, 30, 23, 40, 06, 21, 50, 44, 09, 71, 78, 01, 13, 73, 07, 70, 72, 35, 62, 42, 11, 41, 08, 16, 29, 60, 15, 34, 61, 58, 04, 67, 12, 22, 53, 57, 18, 27, 76, 39, 32, 17, 77, 52, 33, 56, 46, 37, 47, 64, 49, 45, 38, 69, 14, 51, 26, 79, 19, 28, 65, 75, 54, 48, 03, 25, 66, 05, 16, 68, 74, 59, 63, 55

1.2.4 System Receiver Input Bandwidth

Each channel bandwidth is 1MHz.

The system receivers have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shift frequencies in synchronization with the transmitted signals.

1.2.5 Equipment Description

RSS-247, 5.1 (a): The system shall hop to channel frequencies that are selected at the system hopping rate from a pseudo randomly ordered list of hopping frequencies. The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals.



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1.3 EUT CHANNEL INFORMATION

Frequency Range	2402MHz-2480MHz
Modulation Type	1. GFSK for BDR-1Mbps 2. $\pi/4$ -DQPSK for EDR-2Mbps 3. 8DPSK for EDR-3Mbps
Number of channel	79 Channels

Remark:

Refer as ANSI C63.10-2020+Cor.1-2023 for test channels

Number of frequencies to be tested		
Frequency range in which device operates	Number of frequencies	Location in frequency range of operation
☐ 1 MHz or less	1	Middle
☐ 1 MHz to 10 MHz	2	1 near top and 1 near bottom
☒ More than 10 MHz	3	1 near top, 1 near middle, and 1 near bottom

1.4 ANTENNA INFORMATION

Antenna Type	☒ PIFA ☐ PCB ☐ Dipole ☐ Coils
Antenna Brand / Model	INPAQ / RFDPA100805EMMB401
Antenna Gain	Gain: 2.80 dBi
Antenna Connector	IPEX

Notes:

1. The antenna(s) of the EUT are permanently attached and there are no provisions for connection to an external antenna. So the EUT complies with the requirements of §15.203.



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1.5 MEASUREMENT UNCERTAINTY

PARAMETER	UNCERTAINTY
AC Powerline Conducted Emission	±2.21dB
Channel Bandwidth	±2.79dB
RF output power (Power Meter + Power sensor)	±0.24dB
Channel Separation	±2.76dB
Conducted Bandedge	±2.74dB
Conducted Spurious Emission	±2.74dB
Radiated Emission_9kHz-30MHz	± 3.492 dB
Radiated Emission_30MHz-200MHz	± 3.62 dB
Radiated Emission_200MHz-1GHz	± 3.899 dB
Radiated Emission_1GHz-6GHz	± 5.063 dB
Radiated Emission_6GHz-18GHz	± 5.122 dB
Radiated Emission_18GHz-26GHz	± 3.032 dB
Radiated Emission_26GHz-40GHz	± 3.271 dB

Remark:

- 1.This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2
2. ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report.

1.6 FACILITIES AND TEST LOCATION

All measurement facilities used to collect the measurement data are located at

☒ No.11, Wugong 6th Rd., Wugu Dist., New Taipei City, Taiwan.

CAB identifier: TW1309

Test site	Test Engineer	Remark
AC Conduction Room	David Li	-
Radiation	Tony Chao, Ben Yang	-
RF Conducted	Marco Chan	-

Remark: The lab has been recognized as the FCC accredited lab. under the KDB 974614 D01 and is listed in the FCC pubic Access Link (PAL) database, FCC Registration No. :444940, the FCC Designation No.:TW1309
No.:TW1309



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1.7 INSTRUMENT CALIBRATION

Conducted_FCC/IC/NCC (All)					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
PXA Signal Analyzer	Keysight	N9030B	MY62291089	2024-10-04	2025-10-03
Power Sensor	Anritsu	MA2411B	1911387	2024-08-30	2025-08-29
Power Sensor	Anritsu	MA2411B	1911386	2024-07-19	2025-07-18
Power Meter	Anritsu	ML2496A	2136002	2024-07-19	2025-07-18
DC Blocks	Marvelous Microwave	MVE6411	MVE-001	2024-08-08	2025-08-07
Attenuator	Marvelous Microwave Inc	MVE2213-10	08	2024-11-07	2025-11-06
Software	Radio Test Software Ver. 21				

AC Mains Conduction					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
EMI Test Receiver	R&S	ESCI	100064	2025-06-02	2026-06-01
LISN	TESEQ	LN2-16N	22012	2025-02-23	2026-02-22
Cable	Woken	RFC-SMA-100-NMR-084SFL402	MFR-2Y194	2025-03-21	2026-03-20
Software	e3 V6-110812				

Remark:

1. Each piece of equipment is scheduled for calibration once a year.
2. N.C.R. = No Calibration Required.



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966A_Radiated					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
Signal Analyzer	KEYSIGHT	N9010A	MY52220817	2025-03-05	2026-03-04
Active Loop Antenna	COM-POWER	AL-130	121051	2025-02-18	2026-02-17
Thermo-Hygro Meter	HTC	HTC-1	HTC-D06	2025-05-26	2026-05-25
Bi-Log Antenna	Sunol Sciences	JB1	A052609&533	2025-01-03	2026-01-02
Preamplifier	EMEC	EM330	060609	2025-02-20	2026-02-19
Cable	Huber+Suhner	104PEA	20995+21000+182330	2024-08-07	2025-08-06
Horn Antenna	ETC	MCTD 1209	DRH13M02003	2024-12-20	2025-12-19
Preamplifier	HP	8449B	3008A00965	2024-12-18	2025-12-17
Cable	EMCI	EMC101G	221012+230205+250412	2025-04-24	2026-04-23
Attenuator	Mini-Circuits	BW-S9W5	BWS9W5-09-966A-01	2025-02-06	2026-02-05
Site Validation	CCS	966A	N/A	2024-08-03	2025-08-02
High Pass Filters	Titan Microwave	T04H30001800070S01	22011402-4	2025-06-03	2026-06-02
Pre-Amplifier	EMCI	EMC184045SE	980860	2024-12-02	2025-12-01
Horn Antenna	SCHWARZBECK	BBHA9170	1047	2024-12-06	2025-12-05
Turn Table	CCS	CC-T-1F	N/A	N.C.R	N.C.R
Controller	CCS	CC-C-1F	N/A	N.C.R	N.C.R
Antenna Tower	CCS	CC-A-1F	N/A	N.C.R	N.C.R
Software	e3 V9-210616c				

Remark:

1. Each piece of equipment is scheduled for calibration once a year.
2. N.C.R. = No Calibration Required.



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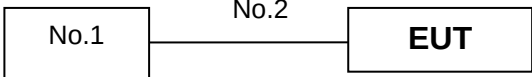
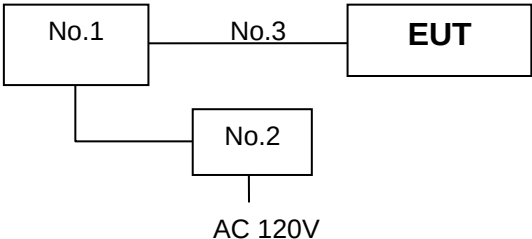
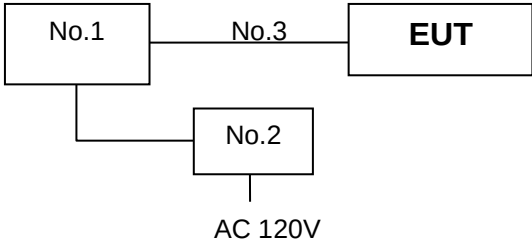
1.8 SUPPORT AND EUT ACCESSORIES EQUIPMENT

Support Unit List (RSE)					
No.	Equipment	Brand	Model	Series No.	FCC ID
1	NB(D)	Lenovo	ThinkPad X260	N/A	N/A
2	Adapter	Lenovo	ADLX45DLC3A	N/A	N/A
3	Type-C Cable	Xiaomi	SJX10ZM	N/A	N/A

Support Unit List (Conducted)					
No.	Equipment	Brand	Model	Series No.	FCC ID
1	NB(B)	Lenovo	T470	N/A	N/A
2	USB A to Type c	Xiaomi	SJX10ZM	N/A	N/A

Support Unit List (Conduction)					
No.	Equipment	Brand	Model	Series No.	FCC ID
1	NB(B)	Lenovo	T470	N/A	N/A
2	Adapter	Lenovo	ADLX45DLC3A	N/A	N/A
3	USB A to Type c	Xiaomi	SJX10ZM	N/A	N/A

1.9 TEST SETUP DIAGRAM(S)

Conducted	Conduction
	
RSE	
	-

1.10 TEST PROGRAM

This EUT uses "command prompt " and setup command to set the frequency, modulation, and power to allow the sample to continuously transmit (including frequency hopping mode).

1.11 TEST METHODOLOGY AND APPLIED STANDARDS

The test methodology, setups and results comply with all requirements in accordance with ANSI C63.10-2020+Cor.1-2023, FCC Part 2, FCC Part 15.247, KDB 558074.



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2. TEST SUMMARY

FCC Standard Section	Report Section	Test Item	Result
15.203	1.3	Antenna Requirement	Pass
15.207(a)	4.1	AC Conducted Emission	Pass
15.247(b)(1)	4.2	Output Power Measurement	Pass
15.247(d) 15.205, 15.209	4.3	Radiation Band Edge	Pass
15.247(d) 15.205, 15.209	4.3	Radiation Spurious Emission	Pass



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3. DESCRIPTION OF TEST MODES

3.1 THE WORST MODE OF OPERATING CONDITION

Operation mode	GFSK for BDR-1Mbps (DH5) $\pi/4$ -DQPSK for 2Mbps (2DH5) 8DPSK for EDR-3Mbps (3DH5)
Test Channel Frequencies	GFSK for BDR-1Mbps: 1.Lowest Channel: 2402MHz 2.Middle Channel: 2441MHz 3.Highest Channel: 2480MHz $\pi/4$-DQPSK for 2Mbps: 1.Lowest Channel: 2402MHz 2.Middle Channel: 2441MHz 3.Highest Channel: 2480MHz 8DPSK for EDR-3Mbps: 1.Lowest Channel: 2402MHz 2.Middle Channel: 2441MHz 3.Highest Channel: 2480MHz

Remark:

1. EUT pre-scanned data rate of output power for each mode, the worst data rate were recorded in this report.
2. The system support GFSK , $\pi/4$ DQPSK ,8DPSK , the $\pi/4$ DQPSK were reduced since the identical parameters with 8dpsk. In the following test items, number of hopping, conducted bandedge, radiated band edge and spurious emissions.



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3.2 THE WORST MODE OF MEASUREMENT

AC Power Line Conducted Emission	
Test Condition	AC Power line conducted emission for line and neutral
Power supply Mode	Mode 1: EUT Power by Host system
Worst Mode	☒ Mode 1 ☐ Mode 2 ☐ Mode 3 ☐ Mode 4

Radiated Emission Measurement Above 1G	
Test Condition	Radiated Emission Above 1G
Power supply Mode	Mode 1: EUT Power by Host system
Worst Mode	☒ Mode 1 ☐ Mode 2 ☐ Mode 3 ☐ Mode 4
Worst Position	☐ Placed in fixed position. ☒ Placed in fixed position at X-Plane (E2-Plane) ☐ Placed in fixed position at Y-Plane (E1-Plane) ☐ Placed in fixed position at Z-Plane (H-Plane)

Radiated Emission Measurement Below 1G	
Test Condition	Radiated Emission Below 1G
Power supply Mode	Mode 1: EUT Power by Host system
Worst Mode	☒ Mode 1 ☐ Mode 2 ☐ Mode 3 ☐ Mode 4

Remark:

1. The worst mode was record in this test report.
2. EUT pre-scanned in three axis ,X,Y, Z and two polarity, for radiated measurement. The worst case(X-Plane) were recorded in this report
3. AC power line conducted emission is performed the EUT transmit at the highest output power channel as worse case.



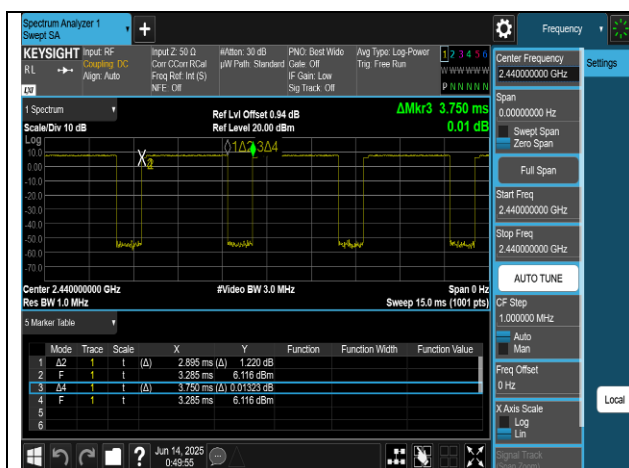
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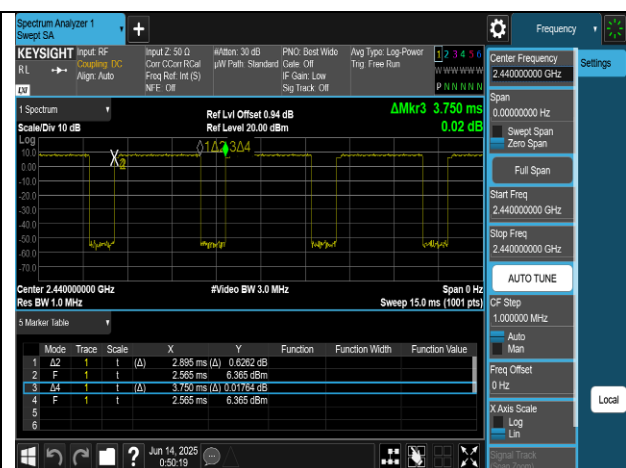
3.3 EUT DUTY CYCLE

Temperature:	23.1~23.3°C	Test Date:	June 13~16, 2025
Humidity:	56~62% RH	Tested by:	Marco Chan

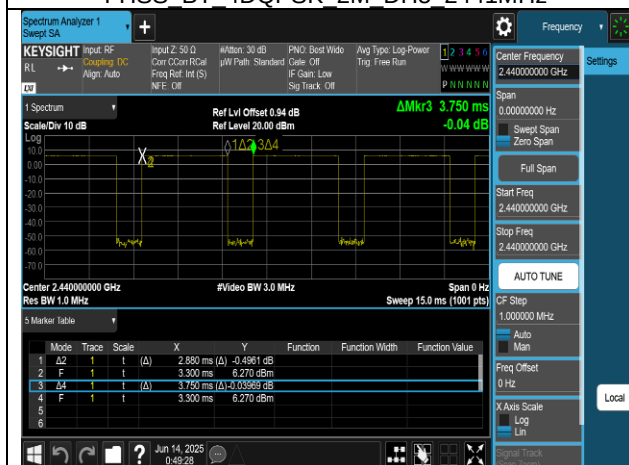
Duty Cycle				
Configuration	Duty Cycle (%) = Ton / (Ton+Toff)	Duty Factor (dB) =10*log (1/Duty Cycle)	1/T (kHz)	VBW setting (kHz)
DH5	76.80	1.15	0.35	1.00
2DH5	77.20	1.12	0.35	1.00
3DH5	77.20	1.12	0.35	1.00



FHSS BT 4DQPSK 2M DH5 2441MHz



FHSS BT 8DPSK 3M DH5 2441MHz



FHSS BT GFSK 1M DH5 2441MHz

4. TEST RESULT

4.1 AC POWER LINE CONDUCTED EMISSION

4.1.1 Test Limit

According to §15.207(a),

Frequency Range (MHz)	Limits(dBμV)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56*	56 to 46*
0.50 to 5	56	46
5 to 30	60	50

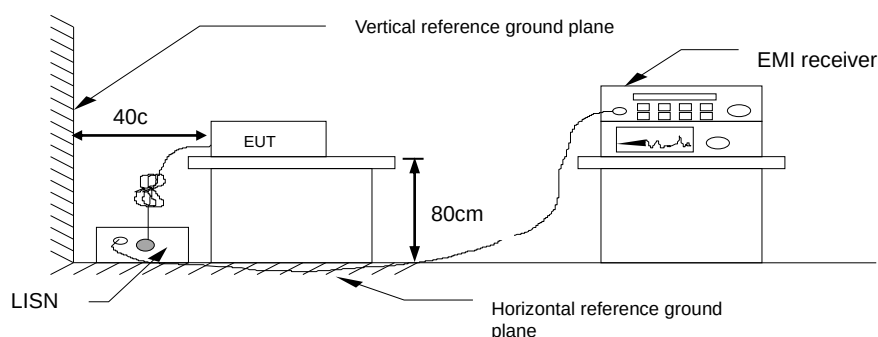
* Decreases with the logarithm of the frequency.

4.1.2 Test Procedure

Test method Refer as ANSI C63.10-2020+Cor.1-2023,

1. The EUT was placed on a non-conducted table, which is 0.8m above horizontal ground plane and 0.4m above vertical ground plane.
2. EUT connected to the line impedance stabilization network (LISN)
3. Receiver set RBW of 9kHz and Detector Peak, and note as quasi-peak and average.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. Recorded Line for Neutral and Line.

4.1.3 Test Setup



4.1.4 Test Result

PASS

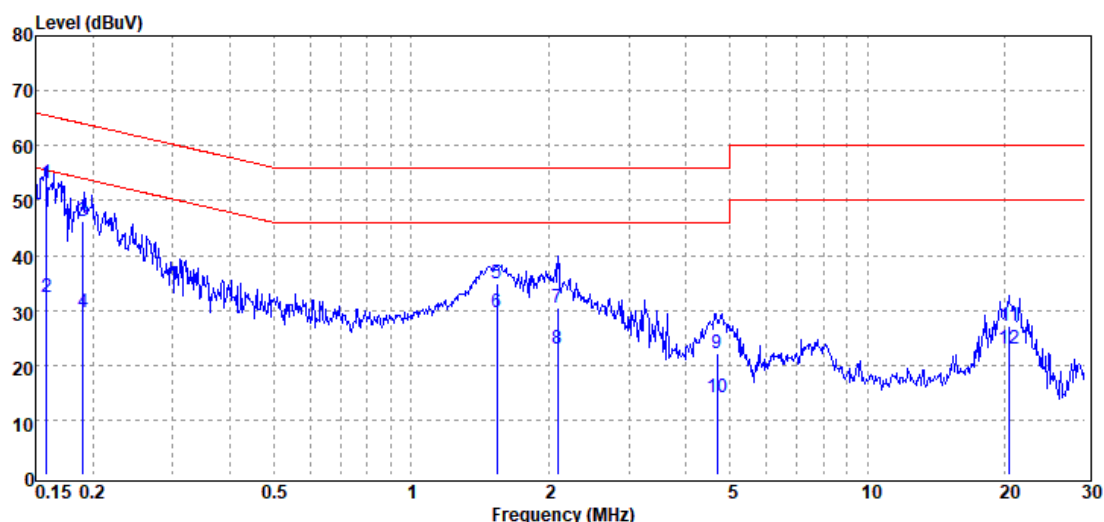
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Test Data

Project No : TM-2502000034P
Operation Mode : BT
Test Chamber : Conduction
Probe : LINE
Note :

Test Date : 2025-07-03
Temp./Humi. : 23.4°C / 54%
Engineer : David.Li
Test Voltage : AC 120V/60Hz



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV	Limit dBμV	Margin dB
0.158	QP	53.11	0.09	53.20	65.55	-12.35
0.158	Average	32.37	0.09	32.46	55.55	-23.09
0.191	QP	46.15	0.08	46.23	64.01	-17.78
0.191	Average	29.47	0.08	29.55	54.01	-24.46
1.541	QP	34.80	0.10	34.90	56.00	-21.10
1.541	Average	29.48	0.10	29.58	46.00	-16.42
2.094	QP	30.44	0.11	30.55	56.00	-25.45
2.094	Average	22.83	0.11	22.94	46.00	-23.06
4.680	QP	21.85	0.16	22.01	56.00	-33.99
4.680	Average	14.00	0.16	14.16	46.00	-31.84
20.471	QP	26.77	0.35	27.12	60.00	-32.88
20.471	Average	22.60	0.35	22.95	50.00	-27.05

Note: 1. Actual FS= Spectrum Read Level + Factor

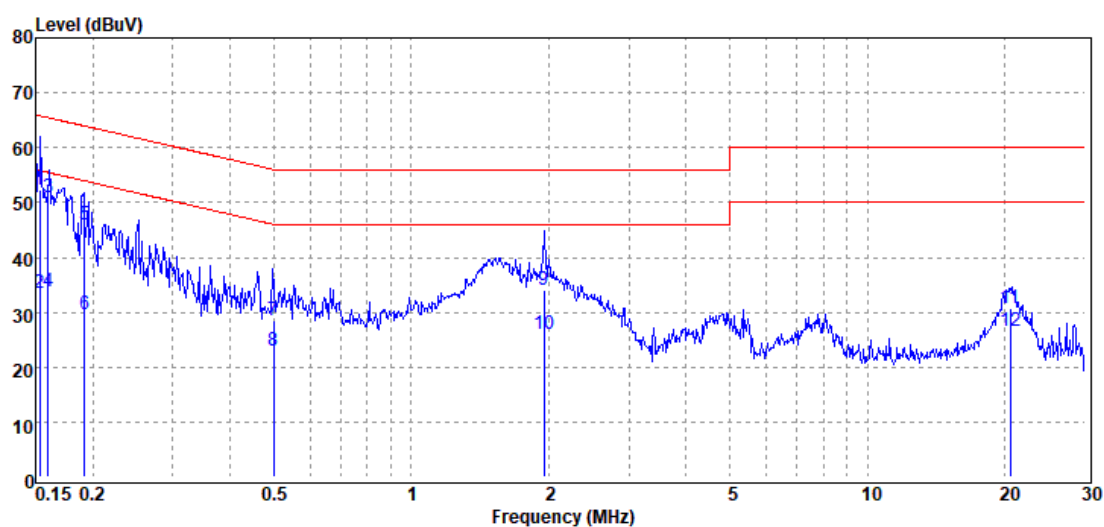
Note: 2. Margin= Actual FS - Limit

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Project No : TM-2502000034P
Operation Mode : BT
Test Chamber : Conduction
Probe : NEUTRAL
Note :

Test Date : 2025-07-03
Temp./Humi. : 23.4°C / 54%
Engineer : David.Li
Test Voltage : AC 120V/60Hz



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV	Limit dBμV	Margin dB
0.153	QP	52.09	0.10	52.19	65.82	-13.63
0.153	Average	33.52	0.10	33.62	55.82	-22.20
0.160	QP	50.91	0.10	51.01	65.46	-14.45
0.160	Average	33.55	0.10	33.65	55.46	-21.81
0.192	QP	45.78	0.10	45.88	63.95	-18.07
0.192	Average	29.61	0.10	29.71	53.95	-24.24
0.498	QP	28.45	0.08	28.53	56.03	-27.50
0.498	Average	22.91	0.08	22.99	46.03	-23.04
1.954	QP	33.93	0.13	34.06	56.00	-21.94
1.954	Average	25.98	0.13	26.11	46.00	-19.89
20.572	QP	30.37	0.36	30.73	60.00	-29.27
20.572	Average	26.21	0.36	26.57	50.00	-23.43

Note: 1. Actual FS= Spectrum Read Level + Factor

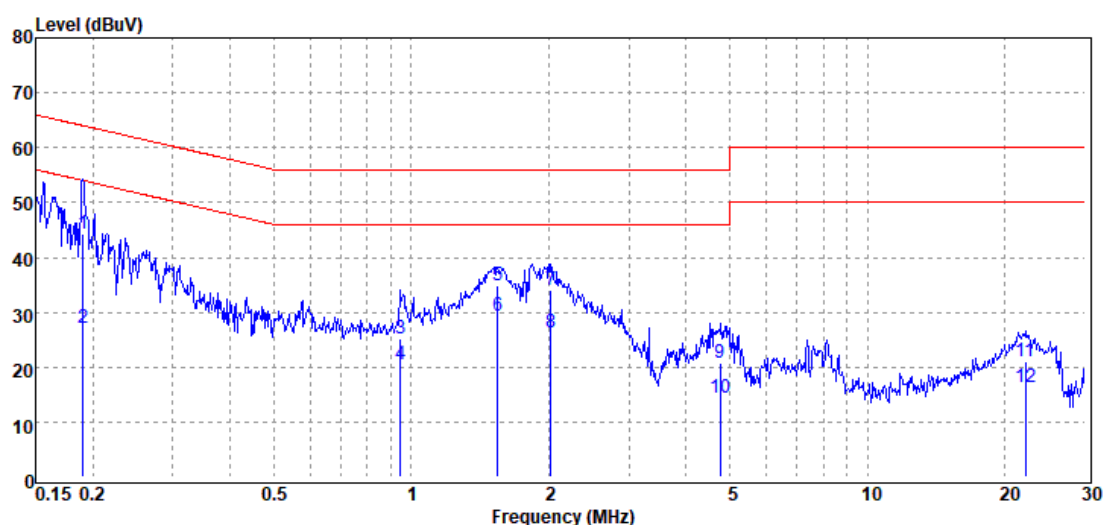
Note: 2. Margin= Actual FS - Limit

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Project No : TM-2502000034P
Operation Mode : BT
Test Chamber : Conduction
Probe : LINE
Note :

Test Date : 2025-07-03
Temp./Humi. : 23.4°C / 54%
Engineer : David.Li
Test Voltage : AC 230V/60Hz



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV	Limit dBμV	Margin dB
0.191	QP	44.13	0.08	44.21	64.01	-19.80
0.191	Average	27.18	0.08	27.26	54.01	-26.75
0.947	QP	25.09	0.08	25.17	56.00	-30.83
0.947	Average	20.51	0.08	20.59	46.00	-25.41
1.547	QP	34.69	0.10	34.79	56.00	-21.21
1.547	Average	29.15	0.10	29.25	46.00	-16.75
2.019	QP	33.91	0.11	34.02	56.00	-21.98
2.019	Average	26.28	0.11	26.39	46.00	-19.61
4.760	QP	20.70	0.16	20.86	56.00	-35.14
4.760	Average	14.13	0.16	14.29	46.00	-31.71
22.206	QP	20.63	0.36	20.99	60.00	-39.01
22.206	Average	15.86	0.36	16.22	50.00	-33.78

Note: 1. Actual FS= Spectrum Read Level + Factor

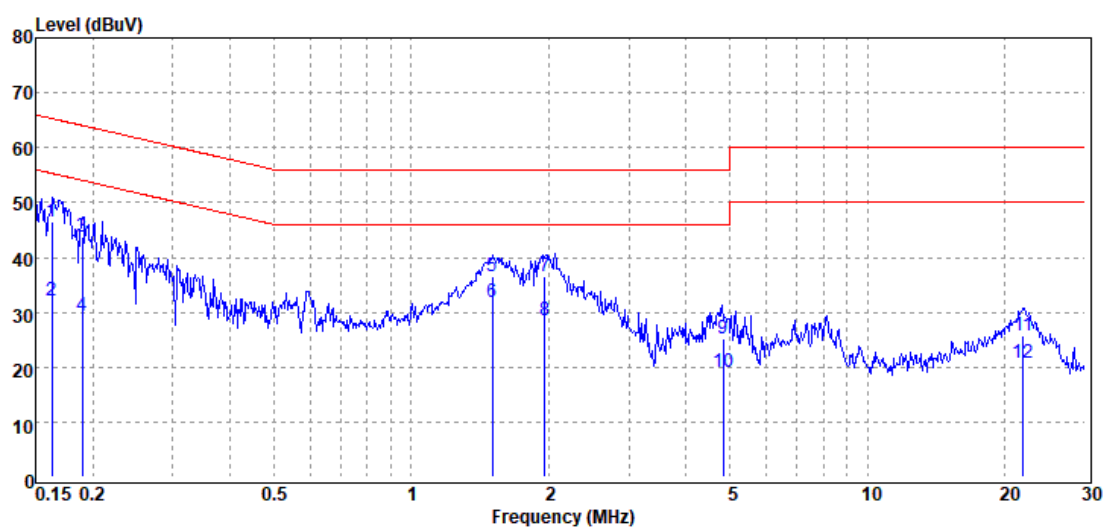
Note: 2. Margin= Actual FS - Limit

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Project No : TM-2502000034P
Operation Mode : BT
Test Chamber : Conduction
Probe : NEUTRAL
Note :

Test Date : 2025-07-03
Temp./Humi. : 23.4°C / 54%
Engineer : David.Li
Test Voltage : AC 230V/60Hz



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Read Level dBμV	Factor dB	Actual FS dBμV	Limit dBμV	Margin dB
0.163	QP	46.41	0.10	46.51	65.30	-18.79
0.163	Average	31.91	0.10	32.01	55.30	-23.29
0.190	QP	43.66	0.10	43.76	64.03	-20.27
0.190	Average	29.18	0.10	29.28	54.03	-24.75
1.507	QP	36.41	0.12	36.53	56.00	-19.47
1.507	Average	31.73	0.12	31.85	46.00	-14.15
1.965	QP	36.45	0.13	36.58	56.00	-19.42
1.965	Average	28.41	0.13	28.54	46.00	-17.46
4.821	QP	24.88	0.20	25.08	56.00	-30.92
4.821	Average	18.82	0.20	19.02	46.00	-26.98
21.967	QP	25.39	0.36	25.75	60.00	-34.25
21.967	Average	20.38	0.36	20.74	50.00	-29.26

Note: 1. Actual FS= Spectrum Read Level + Factor

Note: 2. Margin= Actual FS - Limit



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4.2 OUTPUT POWER MEASUREMENT

4.2.1 Test Limit

According to §15.247(a)(1)

Peak output power :

FCC

For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 watts.

Average output power : For reporting purposes only.

4.2.2 Test Procedure

1. The EUT RF output connected to the power meter by RF cable.
2. Setting maximum power transmit of EUT.
3. The path loss was compensated to the results for each measurement.
4. Measure and record the result of Peak output power and Average output power. in the test report.

4.2.3 Test Setup

Refer to section 1.9.



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4.2.4 Test Result

Temperature:	23.1~23.3°C	Test Date:	June 13~16, 2025
Humidity:	56~62% RH	Tested by:	Marco Chan

Peak & Average output power :

1M BR mode (Peak):

CH	Freq. (MHz)	Power Setting	Peak Output Power (dBm)	Output Power (mW)	Limit (mW)
0	2402	default	5.69	3.707	1000
38	2440	default	6.18	4.150	1000
78	2480	default	6.24	4.207	1000

1M BR mode (Average):

CH	Freq. (MHz)	Power Setting	Avg. Output Power (dBm)	Output Power (mW)	Limit (mW)
0	2402	default	5.23	3.331	1000
38	2440	default	5.67	3.687	1000
78	2480	default	5.78	3.781	1000

2M EDR mode (Peak):

CH	Freq. (MHz)	Power Setting	Peak Output Power (dBm)	Output Power (mW)	Limit (mW)
0	2402	default	7.56	5.702	125
38	2440	default	8.57	7.194	125
78	2480	default	8.19	6.592	125

2M EDR mode (Average):

CH	Freq. (MHz)	Power Setting	Avg. Output Power (dBm)	Output Power (mW)	Limit (mW)
0	2402	default	5.05	3.202	125
38	2440	default	6.04	4.021	125
78	2480	default	5.55	3.592	125

3M EDR mode (Peak):

CH	Freq. (MHz)	Power Setting	Peak Output Power (dBm)	Output Power (mW)	Limit (mW)
0	2402	default	7.96	6.252	125
38	2440	default	8.96	7.870	125
78	2480	default	8.53	7.129	125

3M EDR mode (Average):

CH	Freq. (MHz)	Power Setting	Avg. Output Power (dBm)	Output Power (mW)	Limit (mW)
0	2402	default	5.07	3.216	125
38	2440	default	6.06	4.040	125
78	2480	default	5.58	3.617	125

*Note: Avg. output power has been calculated with duty factor.



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4.3 RADIATION BANDEDGE AND SPURIOUS EMISSION

4.3.1 Test Limit

FCC according to §15.247(d), §15.209 and §15.205,

In any 100 kHz bandwidth outside the authorized frequency band, all harmonic and spurious must be least 20 dB below the highest emission level with the authorized frequency band. Radiation emission which fall in the restricted bands must also follow the FCC section 15.209 as below limit in table.

Below 30 MHz

Frequency	Field Strength (microvolts/m)	Magnetic H-Field (microamperes/m)	Measurement Distance (metres)
9-490 kHz	2,400/F (F in kHz)	2,400/F (F in kHz)	300
490-1,705 kHz	24,000/F (F in kHz)	24,000/F (F in kHz)	30
1.705-30 MHz	30	N/A	30

Above 30 MHz

Frequency (MHz)	Field Strength microvolts/m at 3 metres (watts, e.i.r.p.)	
	Transmitters	Receivers
30-88	100 (3 nW)	100 (3 nW)
88-216	150 (6.8 nW)	150 (6.8 nW)
216-960	200 (12 nW)	200 (12 nW)
Above 960	500 (75 nW)	500 (75 nW)

Remark:

Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 30 m open area test site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field based on KDB 414788.

4.3.2 Test Procedure

1. The EUT is placed on a turntable, Above 1 GHz is 1.5m and below 1 GHz is 0.8m above ground plane. The EUT Configured un accordance with ANSI C63.10: 2013, and the EUT set in a continuous mode.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level. And EUT is set 3m away from the receiving antenna, which is scanned from 1m to 4m above the ground plane to find out the highest emissions. Measurement are made polarized in both the vertical and the horizontal positions with antenna.
3. Span shall wide enough to full capture the emission measured. The SA from 9kHz to 26.5GHz set to the low, Mid and High channels with the EUT transmit.
4. No emission found between lowest internal used/generated frequency to 30MHz (9KHz~30MHz).

Radiated emission below 30MHz is measured in a 9m*6m*6m semi-ane choic chamber, the measurements correspond to those obtained at an open-field test site. There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

5. The SA setting following :

- (1) Below 30MHz :

- (1.1) 9KHz-490KHz : RBW=200Hz / VBW=1kHz / Sweep=AUTO

- (1.2) 490KHz-30MHz : RBW=10kHz / VBW=30kHz / Sweep=AUTO

- (2) 30MHz to 1GHz : RBW = 100kHz, VBW $\geq 3 \times$ RBW, Sweep = Auto,

Detector = Peak, Trace = Max hold.

- (3) Above 1GHz :

- (3.1) For Peak measurement : RBW = 1MHz, VBW $\geq 3 \times$ RBW, Sweep = Auto, Detector = Peak, Trace = Max hold.

- (3.2) For Average measurement : RBW = 1MHz, VBW

·If Duty Cycle $\geq 98\%$, VBW=10Hz.

·If Duty Cycle $< 98\%$, VBW=1/T.

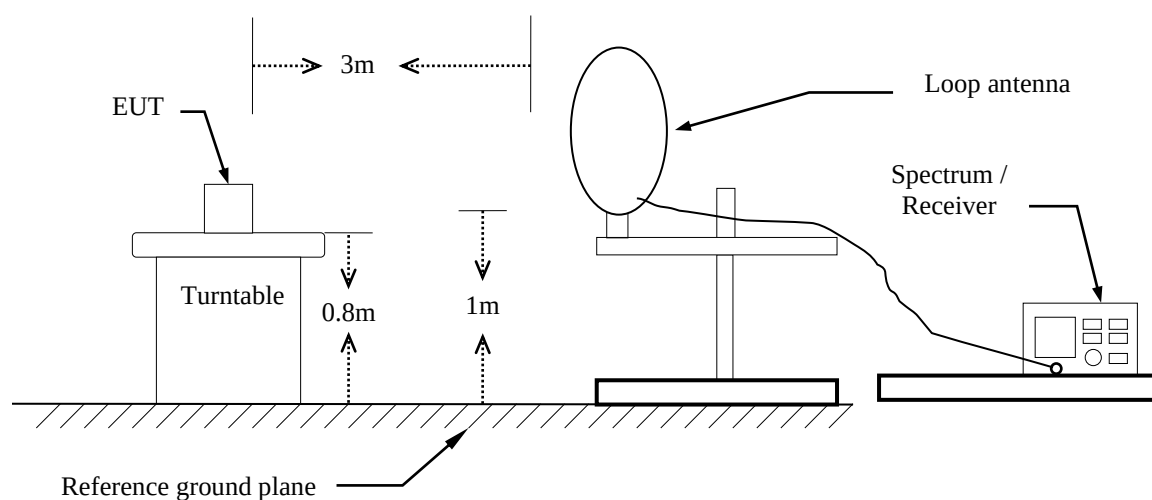
6. Data result

Actual FS=Spectrum Reading Level + Factor

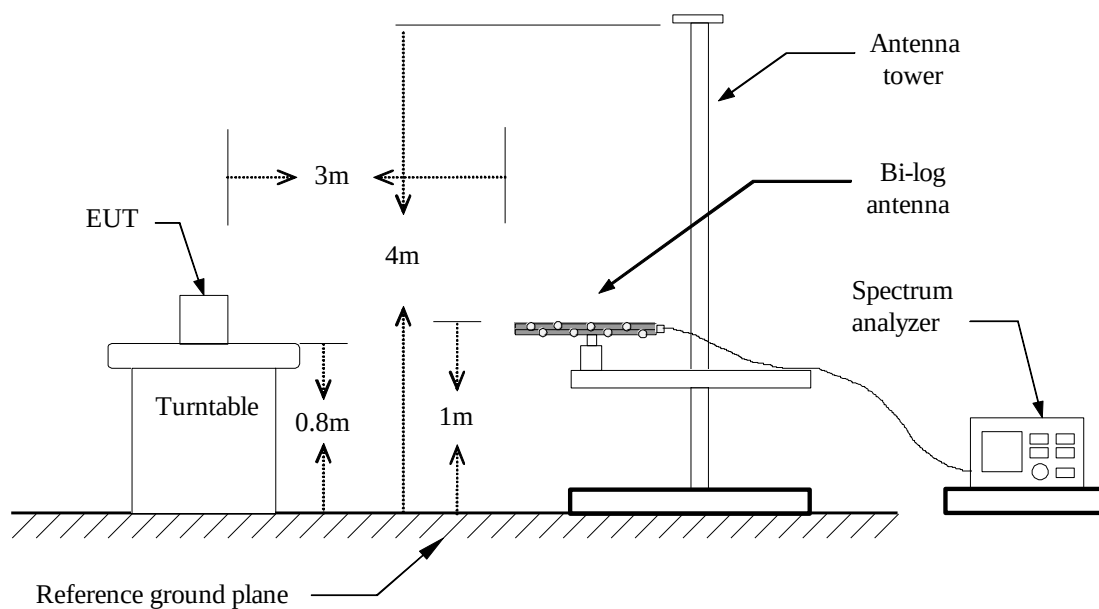
Margin=Actual FS- Limit

4.3.3 Test Setup

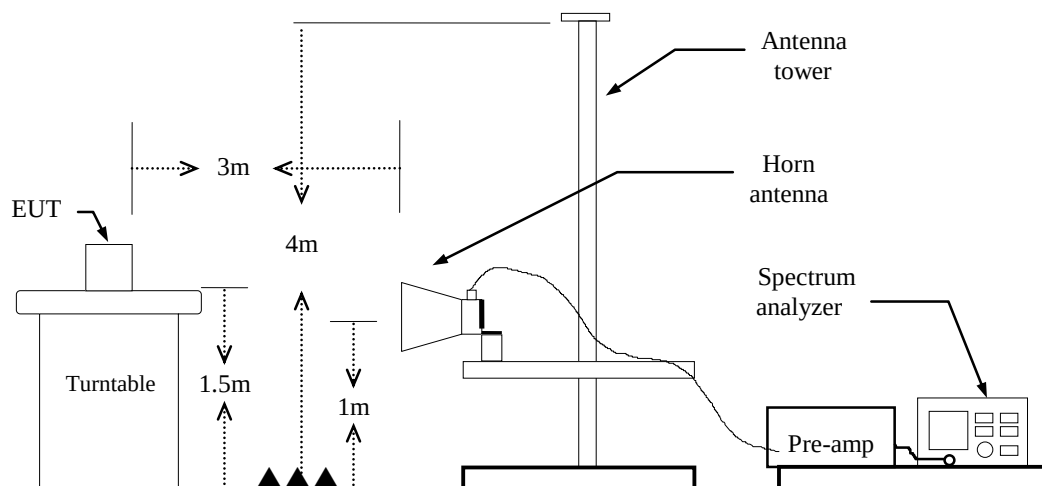
9kHz ~ 30MHz



30MHz ~ 1GHz



Above 1 GHz





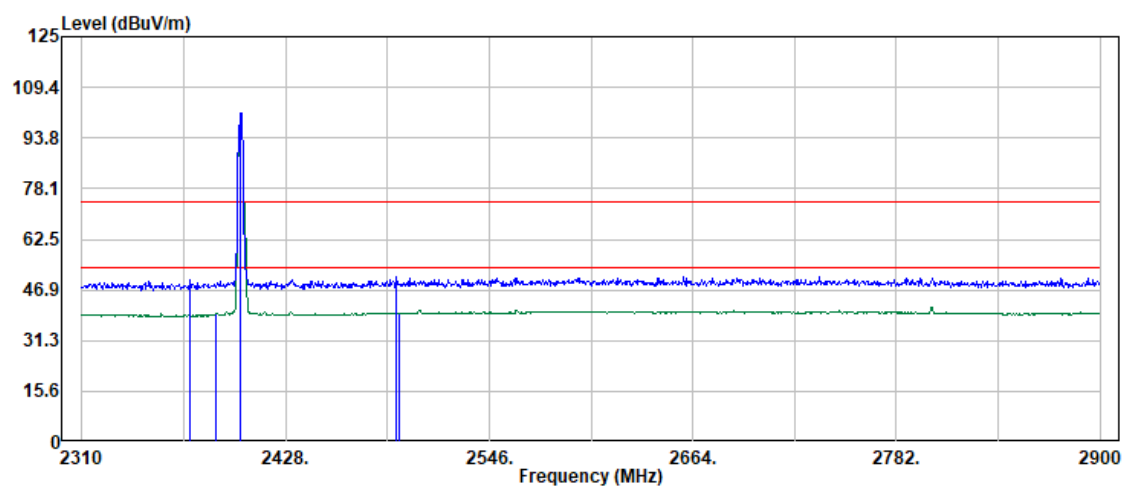
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4.3.4 Test Result

Band Edge Test Data

Project No	: TM-2502000034P	Test Date	: 2025-06-25
Operation Band	: BT_BR	Temp./Humi.	: 25.4/55
Frequency	: 2402 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: Bandedge	Engineer	: Ben.Yang
EUT Pol	: E2	Test Chamber	: 966A
Setting	:		



Trace: 1						
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
2372.95	43.61	6.21	49.82	74.00	-24.18	Peak
2387.93	33.27	6.31	39.58	54.00	-14.42	Average
2402.00	94.95	6.38	101.33	--	--	Peak
2402.00	94.55	6.38	100.93	--	--	Average
2492.35	44.31	6.82	51.13	74.00	-22.87	Peak
2493.84	33.03	6.81	39.84	54.00	-14.16	Average

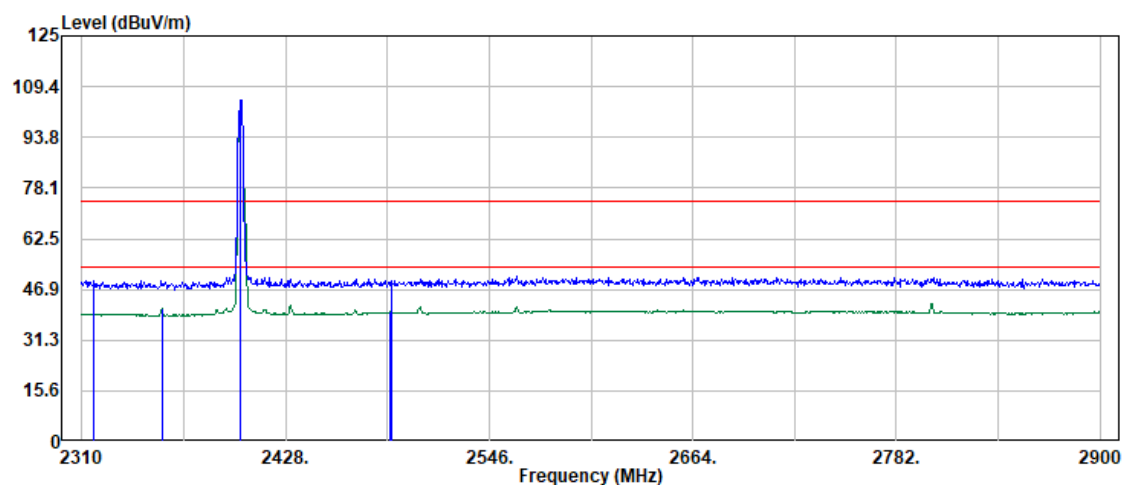


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Project No : TM-2502000034P
Operation Band : BT_BR
Frequency : 2402 MHz
Operation Mode : Bandedge
EUT Pol : E2
Setting :

Test Date : 2025-06-25
Temp./Humi. : 25.4/55
Antenna Pol. : HORIZONTAL
Engineer : Ben.Yang
Test Chamber : 966A



Trace: 1						
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
2316.99	43.20	6.31	49.51	74.00	-24.49	Peak
2356.46	34.70	6.11	40.81	54.00	-13.19	Average
2402.00	99.00	6.38	105.38	--	--	Peak
2402.00	98.83	6.38	105.21	--	--	Average
2488.85	33.18	6.81	39.99	54.00	-14.01	Average
2489.35	42.84	6.81	49.65	74.00	-24.35	Peak

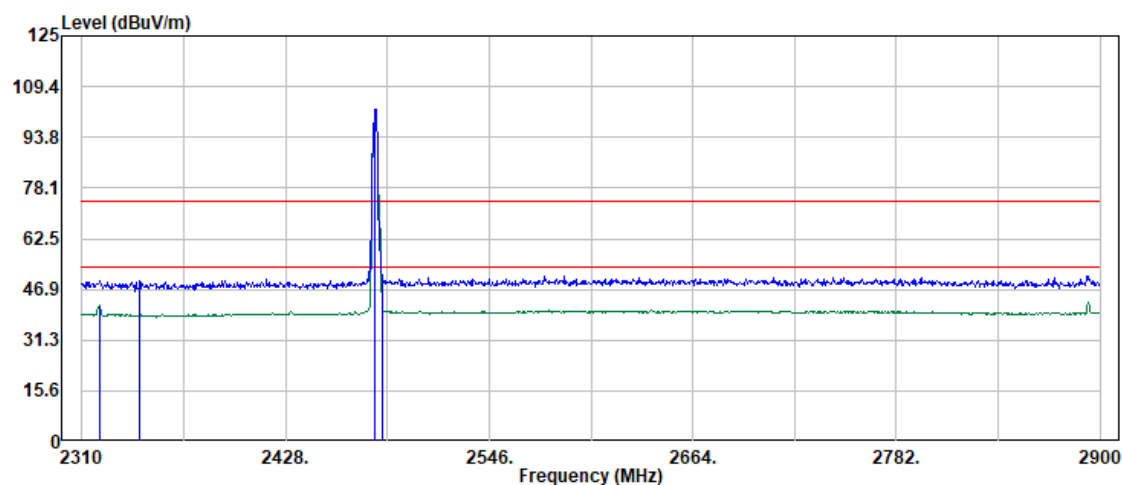


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Project No : TM-2502000034P
Operation Band : BT_BR
Frequency : 2480 MHz
Operation Mode : Bandedge
EUT Pol : E2
Setting :

Test Date : 2025-06-25
Temp./Humi. : 25.4/55
Antenna Pol. : VERTICAL
Engineer : Ben.Yang
Test Chamber : 966A



Trace: 1						
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
2319.99	35.69	6.26	41.95	54.00	-12.05	Average
2343.47	43.48	6.16	49.64	74.00	-24.36	Peak
2480.00	95.78	6.73	102.51	--	--	Peak
2480.00	95.44	6.73	102.17	--	--	Average
2483.85	43.56	6.77	50.33	74.00	-23.67	Peak
2483.85	35.83	6.77	42.60	54.00	-11.40	Average

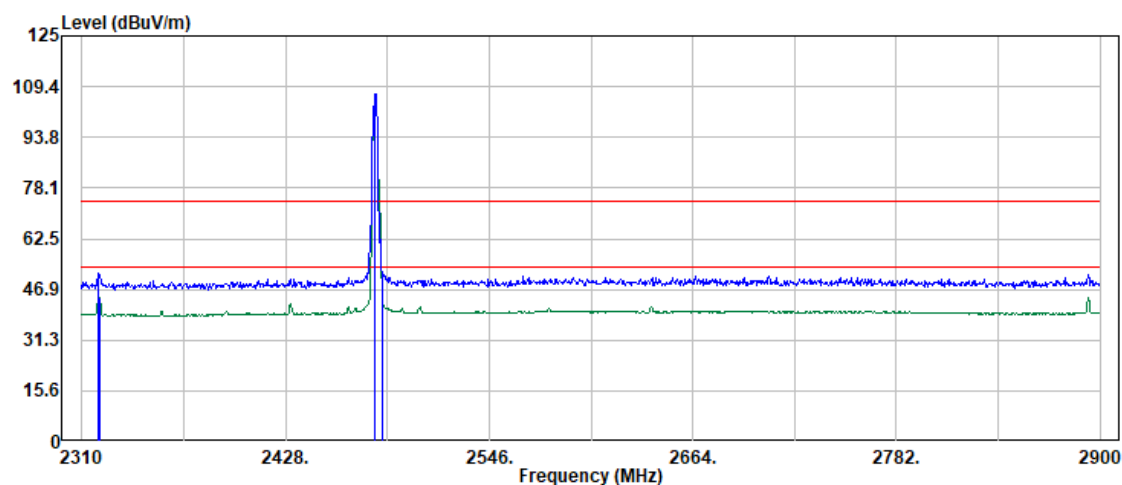


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Project No : TM-2502000034P
Operation Band : BT_BR
Frequency : 2480 MHz
Operation Mode : Bandedge
EUT Pol : E2
Setting :

Test Date : 2025-06-25
Temp./Humi. : 25.4/55
Antenna Pol. : HORIZONTAL
Engineer : Ben.Yang
Test Chamber : 966A



Trace: 1						
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
2319.49	45.48	6.27	51.75	74.00	-22.25	Peak
2319.99	38.05	6.26	44.31	54.00	-9.69	Average
2480.00	100.51	6.73	107.24	--	--	Peak
2480.00	100.21	6.73	106.94	--	--	Average
2483.85	45.60	6.77	52.37	74.00	-21.63	Peak
2483.85	39.25	6.77	46.02	54.00	-7.98	Average

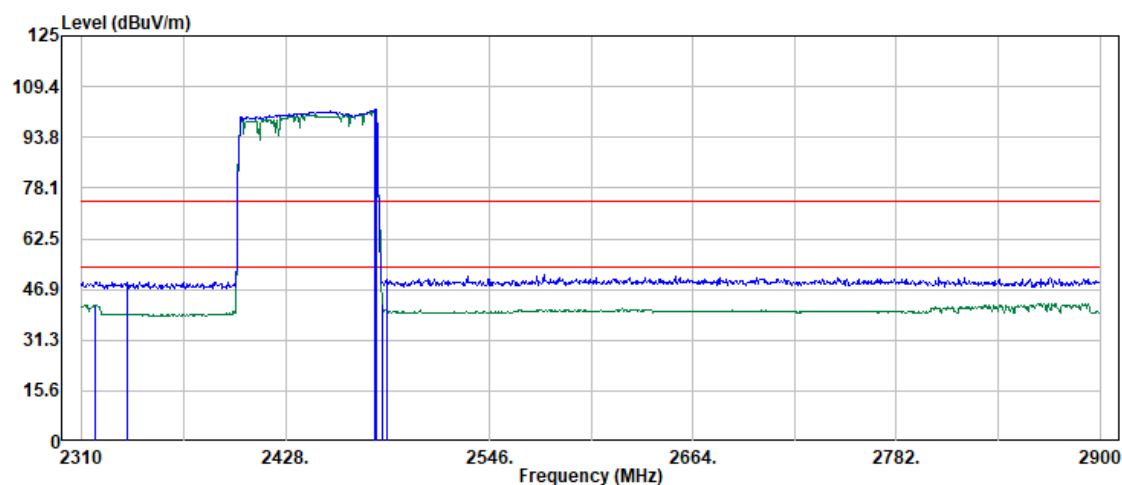


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Project No : TM-2502000034P
Operation Band : BT_BR
Frequency : 2402~2480 MHz
Operation Mode : Hopping
EUT Pol : E2
Setting :

Test Date : 2025-06-25
Temp./Humi. : 25.4/55
Antenna Pol. : VERTICAL
Engineer : Ben.Yang
Test Chamber : 966A



Trace: 1						
Freq	Read		Actual	Limit		Detector
-----	Level	Factor	FS	@3m	Margin	Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
2317.99	35.89	6.29	42.18	54.00	-11.82	Average
2336.48	43.05	6.21	49.26	74.00	-24.74	Peak
2479.86	95.34	6.73	102.07	--	--	Average
2480.36	95.51	6.73	102.24	--	--	Peak
2483.85	35.69	6.77	42.46	54.00	-11.54	Average
2486.85	43.17	6.80	49.97	74.00	-24.03	Peak

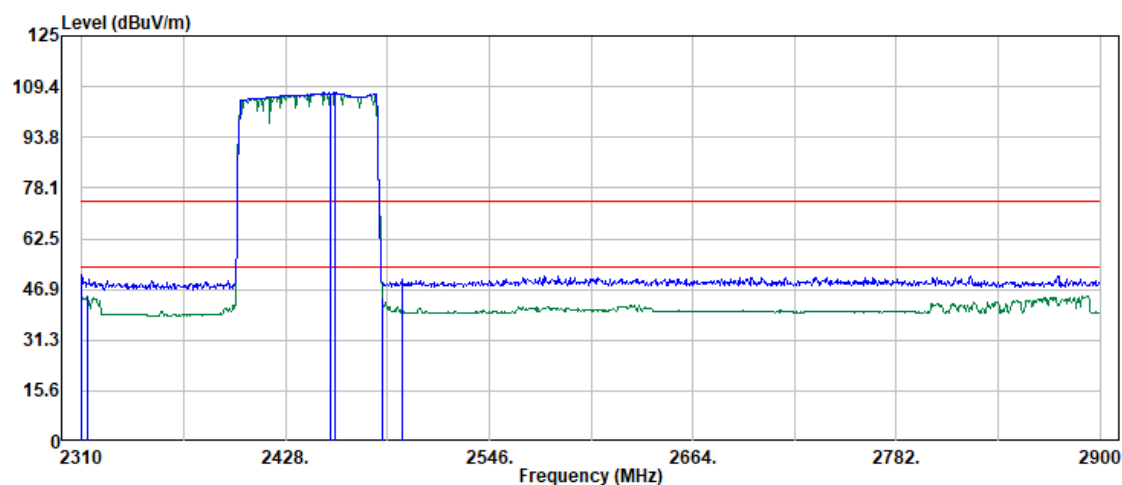


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Project No : TM-2502000034P
Operation Band : BT_BR
Frequency : 2402~2480 MHz
Operation Mode : Hopping
EUT Pol : E2
Setting :

Test Date : 2025-06-25
Temp./Humi. : 25.4/55
Antenna Pol. : HORIZONTAL
Engineer : Ben.Yang
Test Chamber : 966A



Trace: 1						
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
2310.00	45.04	6.40	51.44	74.00	-22.56	Peak
2313.00	38.30	6.36	44.66	54.00	-9.34	Average
2453.88	100.67	6.55	107.22	--	--	Average
2456.38	100.97	6.56	107.53	--	--	Peak
2483.85	37.50	6.77	44.27	54.00	-9.73	Average
2495.34	43.17	6.82	49.99	74.00	-24.01	Peak

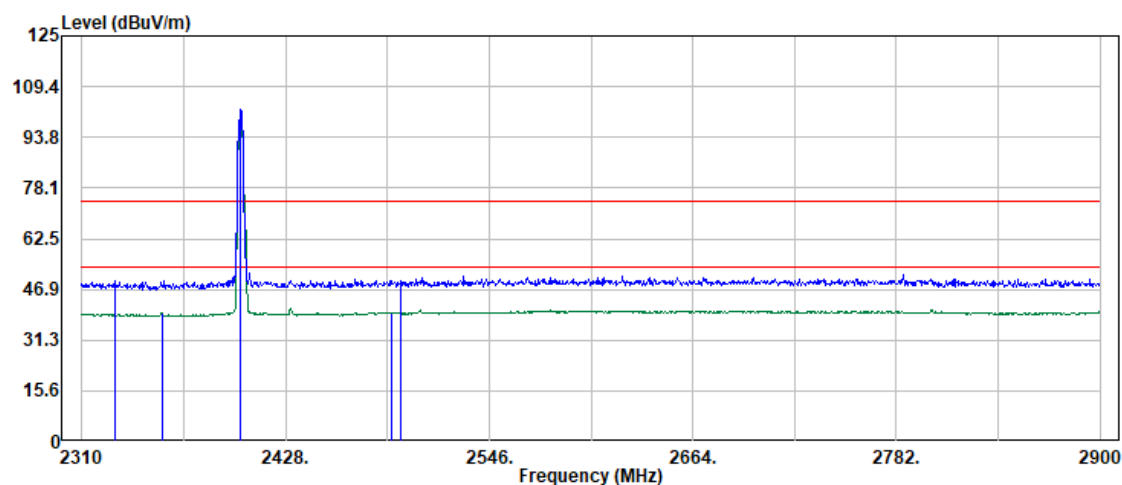


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Project No : TM-2502000034P
Operation Band : BT_EDR
Frequency : 2402 MHz
Operation Mode : Bandedge
EUT Pol : E2
Setting :

Test Date : 2025-06-25
Temp./Humi. : 25.4/55
Antenna Pol. : VERTICAL
Engineer : Ben.Yang
Test Chamber : 966A



Trace: 1						
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
2328.98	43.43	6.23	49.66	74.00	-24.34	Peak
2356.46	33.74	6.11	39.85	54.00	-14.15	Average
2402.00	96.18	6.38	102.56	--	--	Peak
2402.00	93.15	6.38	99.53	--	--	Average
2489.85	32.86	6.82	39.68	54.00	-14.32	Average
2494.84	42.87	6.81	49.68	74.00	-24.32	Peak

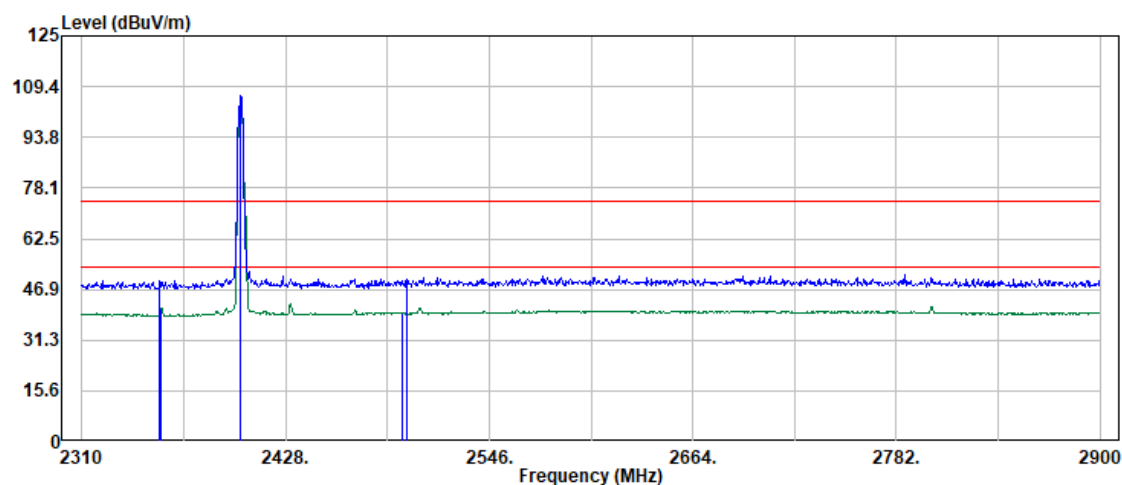


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Project No : TM-2502000034P
Operation Band : BT_EDR
Frequency : 2402 MHz
Operation Mode : Bandedge
EUT Pol : E2
Setting :

Test Date : 2025-06-25
Temp./Humi. : 25.4/55
Antenna Pol. : HORIZONTAL
Engineer : Ben.Yang
Test Chamber : 966A



Trace: 1						
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
2354.96	43.49	6.10	49.59	74.00	-24.41	Peak
2355.96	35.08	6.11	41.19	54.00	-12.81	Average
2402.00	100.24	6.38	106.62	--	--	Peak
2402.00	97.16	6.38	103.54	--	--	Average
2495.84	33.03	6.82	39.85	54.00	-14.15	Average
2498.34	43.06	6.81	49.87	74.00	-24.13	Peak

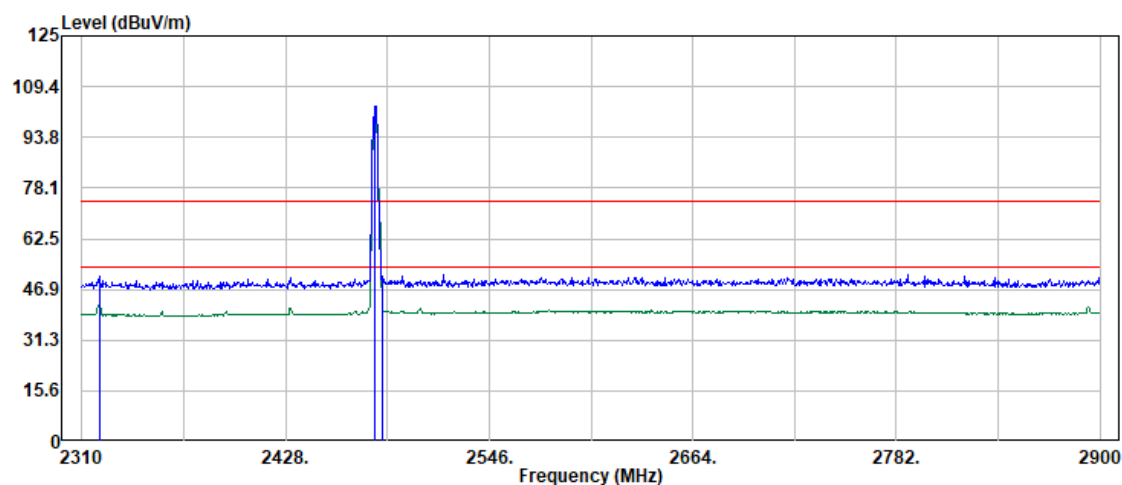


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Project No : TM-2502000034P
Operation Band : BT_EDR
Frequency : 2480 MHz
Operation Mode : Bandedge
EUT Pol : E2
Setting :

Test Date : 2025-06-25
Temp./Humi. : 25.4/55
Antenna Pol. : VERTICAL
Engineer : Ben.Yang
Test Chamber : 966A



Trace: 1						
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	Level	-----	FS	@3m	-----	Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
2319.99	44.69	6.26	50.95	74.00	-23.05	Peak
2319.99	36.06	6.26	42.32	54.00	-11.68	Average
2480.00	96.79	6.73	103.52	--	--	Peak
2480.00	93.79	6.73	100.52	--	--	Average
2483.85	36.75	6.77	43.52	54.00	-10.48	Average
2484.35	44.31	6.76	51.07	74.00	-22.93	Peak

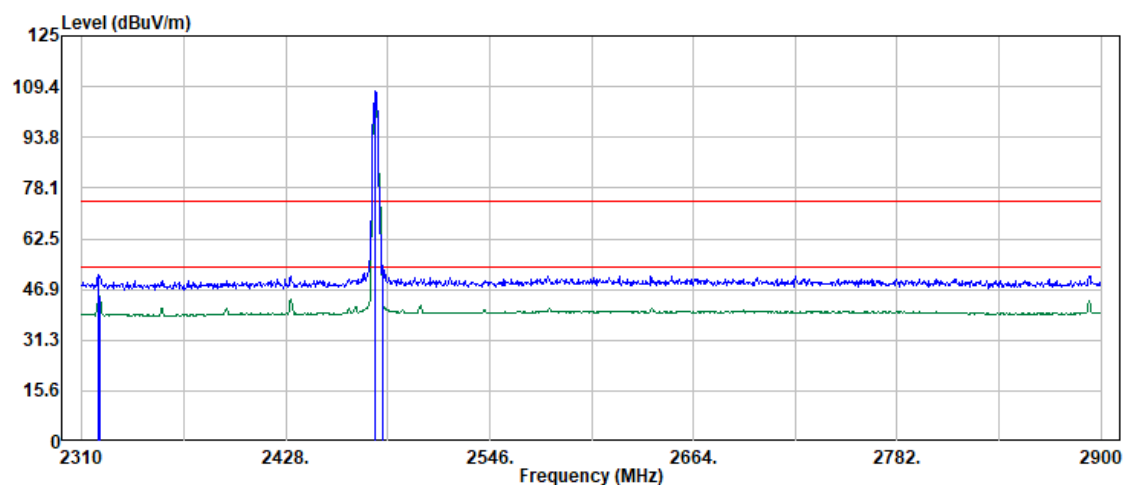


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Project No : TM-2502000034P
Operation Band : BT_EDR
Frequency : 2480 MHz
Operation Mode : Bandedge
EUT Pol : E2
Setting :

Test Date : 2025-06-25
Temp./Humi. : 25.4/55
Antenna Pol. : HORIZONTAL
Engineer : Ben.Yang
Test Chamber : 966A



Trace: 1						
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	Level	-----	FS	@3m	-----	Mode
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
2319.49	45.05	6.27	51.32	74.00	-22.68	Peak
2319.99	38.37	6.26	44.63	54.00	-9.37	Average
2480.00	101.26	6.73	107.99	--	--	Peak
2480.00	98.32	6.73	105.05	--	--	Average
2483.85	39.99	6.77	46.76	54.00	-7.24	Average
2484.35	47.37	6.76	54.13	74.00	-19.87	Peak

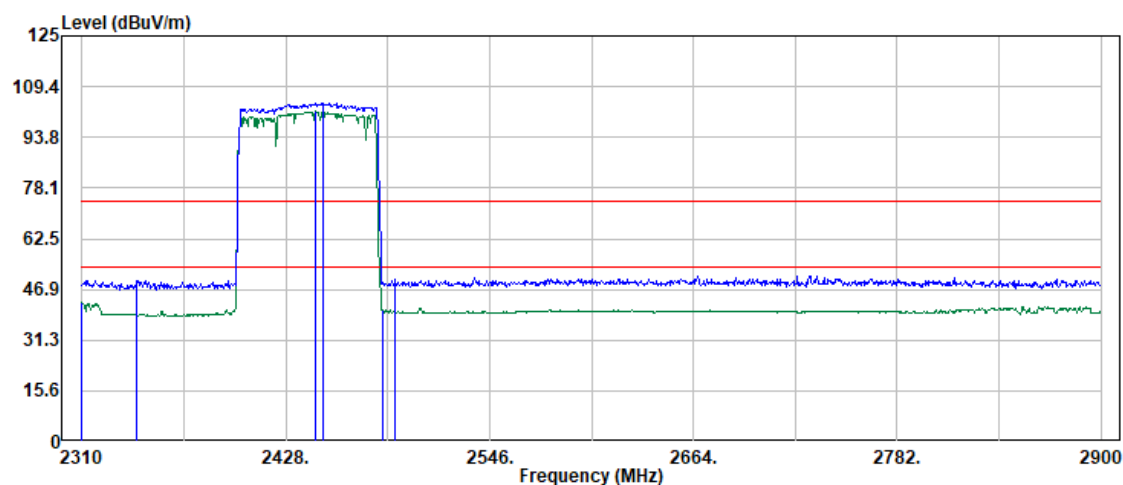


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Project No : TM-2502000034P
Operation Band : BT_EDR
Frequency : 2402~2480 MHz
Operation Mode : Hopping
EUT Pol : E2
Setting :

Test Date : 2025-06-25
Temp./Humi. : 25.4/55
Antenna Pol. : HORIZONTAL
Engineer : Ben.Yang
Test Chamber : 966A



Trace: 1						
Freq	Read		Actual	Limit		Detector
-----	Level	Factor	FS	@3m	Margin	Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
2310.00	36.29	6.40	42.69	54.00	-11.31	Average
2341.97	43.53	6.18	49.71	74.00	-24.29	Peak
2444.89	95.15	6.51	101.66	--	--	Average
2449.38	97.71	6.55	104.26	--	--	Peak
2483.85	33.97	6.77	40.74	54.00	-13.26	Average
2491.35	43.38	6.82	50.20	74.00	-23.80	Peak

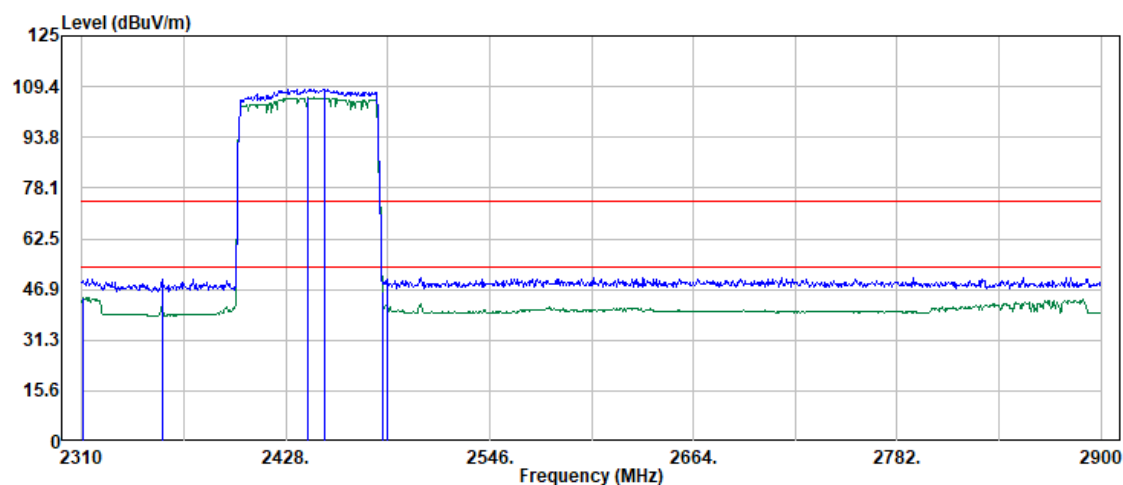


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Project No : TM-2502000034P
Operation Band : BT_EDR
Frequency : 2402~2480 MHz
Operation Mode : Hopping
EUT Pol : E2
Setting :

Test Date : 2025-06-25
Temp./Humi. : 25.4/55
Antenna Pol. : HORIZONTAL
Engineer : Ben.Yang
Test Chamber : 966A



Trace: 1						
Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	Level		FS	@3m		Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
2311.00	37.99	6.38	44.37	54.00	-9.63	Average
2356.46	44.06	6.11	50.17	74.00	-23.83	Peak
2440.89	99.45	6.47	105.92	--	--	Average
2450.38	101.94	6.56	108.50	--	--	Peak
2483.85	39.38	6.77	46.15	54.00	-7.85	Average
2486.85	43.02	6.80	49.82	74.00	-24.18	Peak

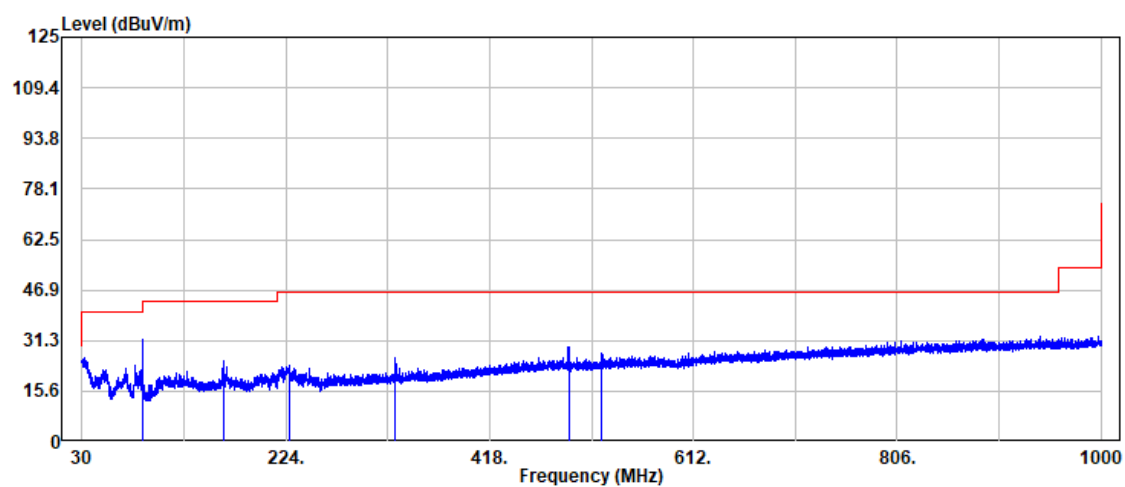


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TX Test Data

Project No	: TM-2502000034P	Test Date	: 2025-06-27
Operation Band	: BT_EDR	Temp./Humi.	: 25.3/51
Frequency	: 2480 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Tony.Chao
EUT Pol	: E2	Test Chamber	: 966A
Setting	:		



Freq	Read		Actual	Limit		Detector
-----	Level	Factor	FS	@3m	Margin	Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
88.00	47.72	-16.31	31.41	40.00	-8.59	Peak
164.40	36.27	-11.47	24.80	43.50	-18.70	Peak
227.70	36.02	-12.21	23.81	46.00	-22.19	Peak
328.20	34.54	-8.83	25.71	46.00	-20.29	Peak
493.90	33.59	-4.44	29.15	46.00	-16.85	Peak
525.00	31.36	-4.22	27.14	46.00	-18.86	Peak

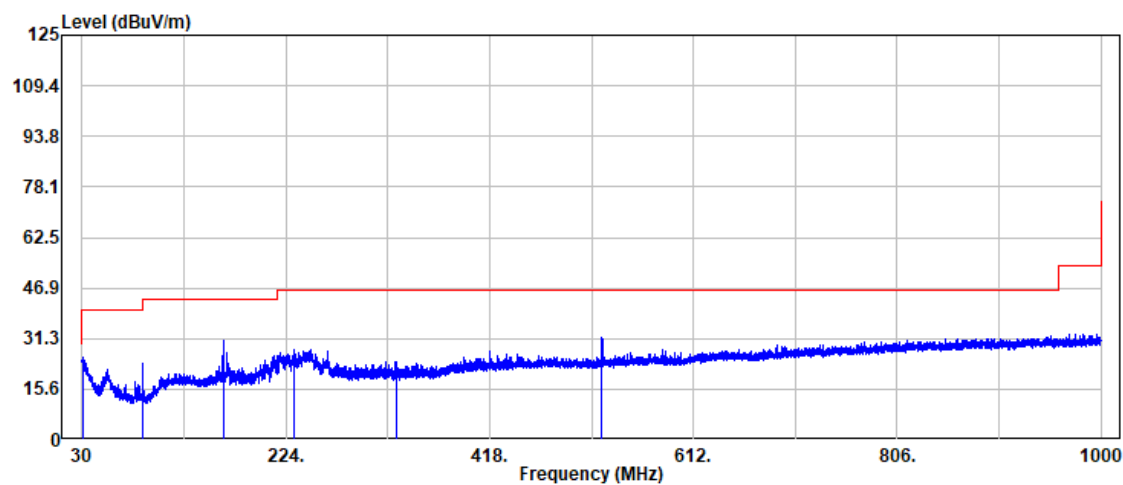


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Project No : TM-2502000034P
Operation Band : BT_EDR
Frequency : 2480 MHz
Operation Mode : TX
EUT Pol : E2
Setting :

Test Date : 2025-06-27
Temp./Humi. : 25.3/51
Antenna Pol. : HORIZONTAL
Engineer : Tony.Chao
Test Chamber : 966A



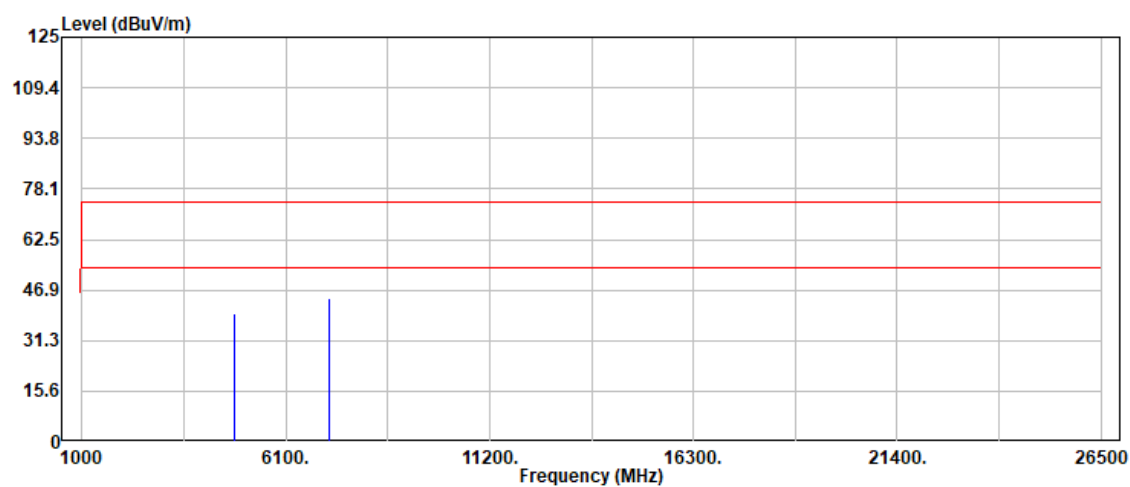
Freq	Read		Actual	Limit		Detector
-----	Level	Factor	FS	@3m	Margin	Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
30.60	28.56	-3.30	25.26	40.00	-14.74	Peak
88.00	39.90	-16.31	23.59	40.00	-16.41	Peak
164.50	42.27	-11.48	30.79	43.50	-12.71	Peak
232.20	39.84	-11.92	27.92	46.00	-18.08	Peak
328.70	33.01	-8.82	24.19	46.00	-21.81	Peak
525.10	35.90	-4.22	31.68	46.00	-14.32	Peak



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Project No	: TM-2502000034P	Test Date	: 2025-06-26
Operation Band	: BT_BR	Temp./Humi.	: 25.4/55
Frequency	: 2402 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: E2	Test Chamber	: 966A
Setting	:		



Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	FS	@3m	-----	-----
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
4804.00	37.27	2.40	39.67	74.00	-34.33	Peak
4804.00	28.04	2.40	30.44	54.00	-23.56	Average
7206.00	35.24	8.96	44.20	74.00	-29.80	Peak
7206.00	26.23	8.96	35.19	54.00	-18.81	Average

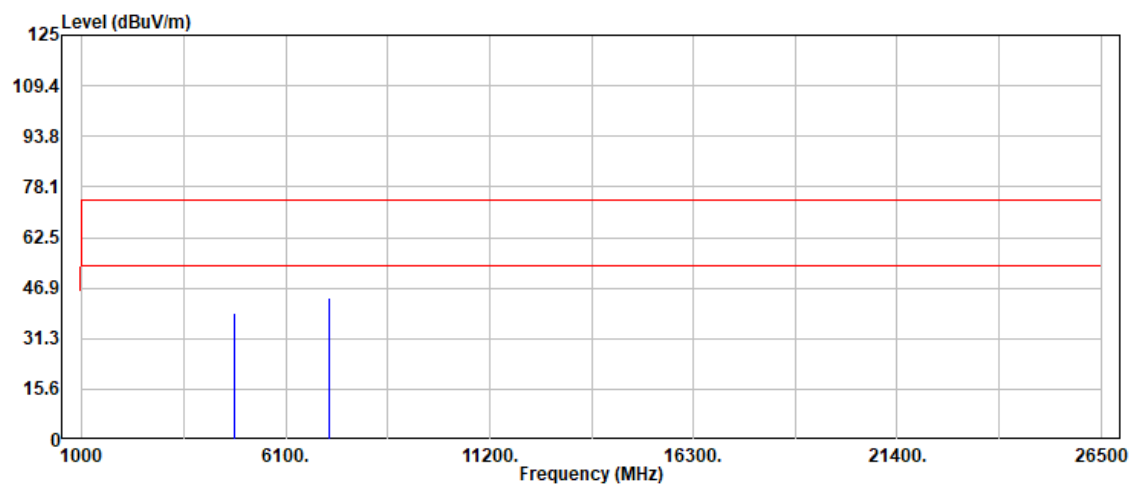


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Project No : TM-2502000034P
Operation Band : BT_BR
Frequency : 2402 MHz
Operation Mode : TX
EUT Pol : E2
Setting :

Test Date : 2025-06-26
Temp./Humi. : 25.4/55
Antenna Pol. : HORIZONTAL
Engineer : Ben.Yang
Test Chamber : 966A



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
4804.00	36.78	2.40	39.18	74.00	-34.82	Peak
4804.00	28.61	2.40	31.01	54.00	-22.99	Average
7206.00	34.73	8.96	43.69	74.00	-30.31	Peak
7206.00	26.34	8.96	35.30	54.00	-18.70	Average

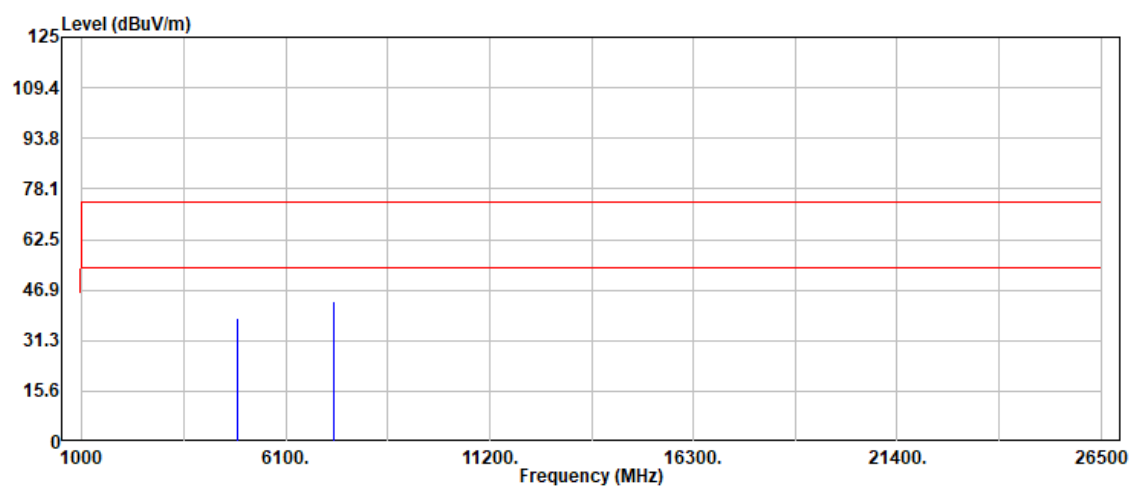


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Project No : TM-2502000034P
Operation Band : BT_BR
Frequency : 2440 MHz
Operation Mode : TX
EUT Pol : E2
Setting :

Test Date : 2025-06-26
Temp./Humi. : 25.4/55
Antenna Pol. : VERTICAL
Engineer : Ben.Yang
Test Chamber : 966A



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
4880.00	35.30	2.67	37.97	74.00	-36.03	Peak
4880.00	28.13	2.67	30.80	54.00	-23.20	Average
7320.00	34.14	9.36	43.50	74.00	-30.50	Peak
7320.00	26.55	9.36	35.91	54.00	-18.09	Average

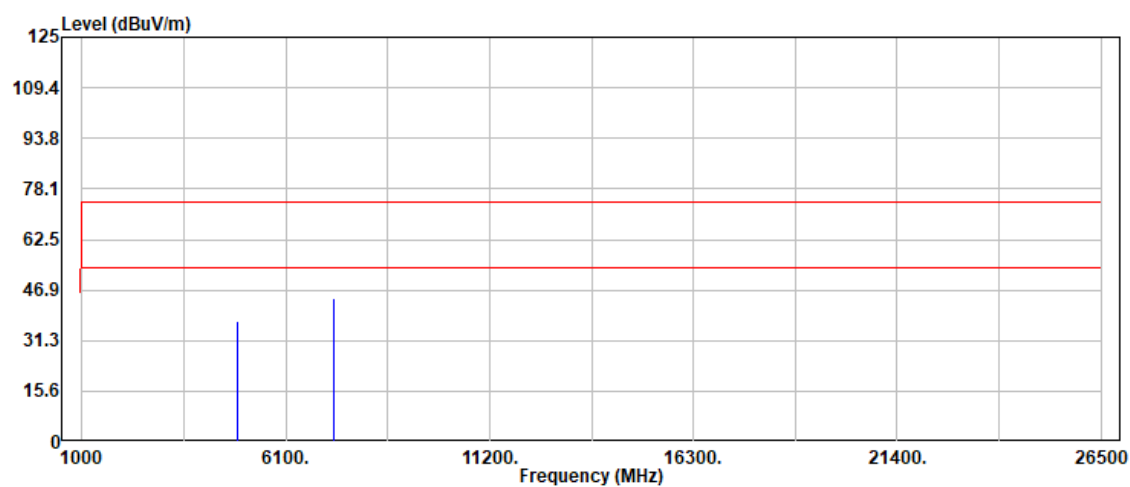


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Project No : TM-2502000034P
Operation Band : BT_BR
Frequency : 2440 MHz
Operation Mode : TX
EUT Pol : E2
Setting :

Test Date : 2025-06-26
Temp./Humi. : 25.4/55
Antenna Pol. : HORIZONTAL
Engineer : Ben.Yang
Test Chamber : 966A



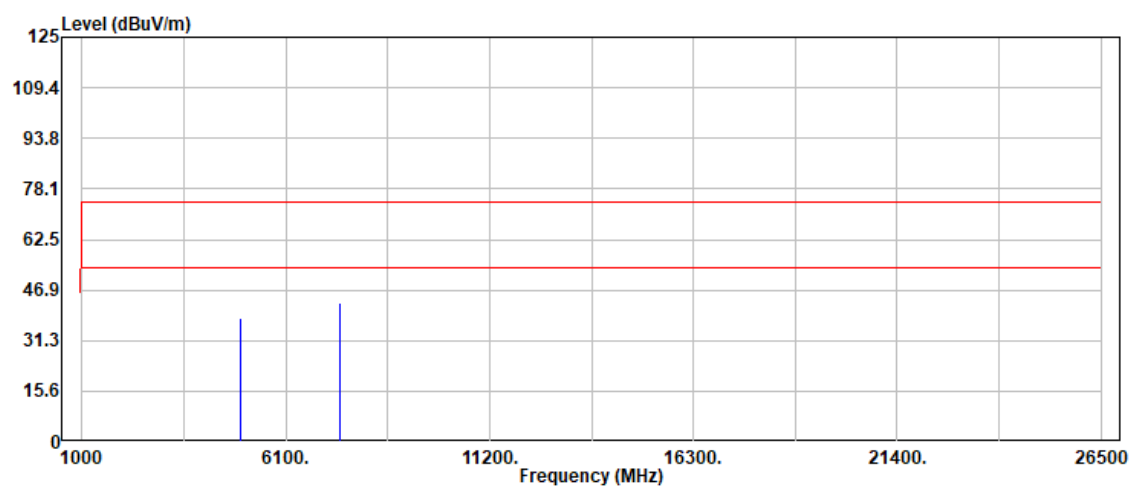
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
4880.00	34.78	2.67	37.45	74.00	-36.55	Peak
4880.00	28.26	2.67	30.93	54.00	-23.07	Average
7320.00	34.75	9.36	44.11	74.00	-29.89	Peak
7320.00	26.37	9.36	35.73	54.00	-18.27	Average



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Project No	: TM-2502000034P	Test Date	: 2025-06-26
Operation Band	: BT_BR	Temp./Humi.	: 25.4/55
Frequency	: 2480 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: E2	Test Chamber	: 966A
Setting	:		



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
4960.00	34.63	3.52	38.15	74.00	-35.85	Peak
4960.00	28.82	3.52	32.34	54.00	-21.66	Average
7440.00	33.55	9.46	43.01	74.00	-30.99	Peak
7440.00	26.42	9.46	35.88	54.00	-18.12	Average

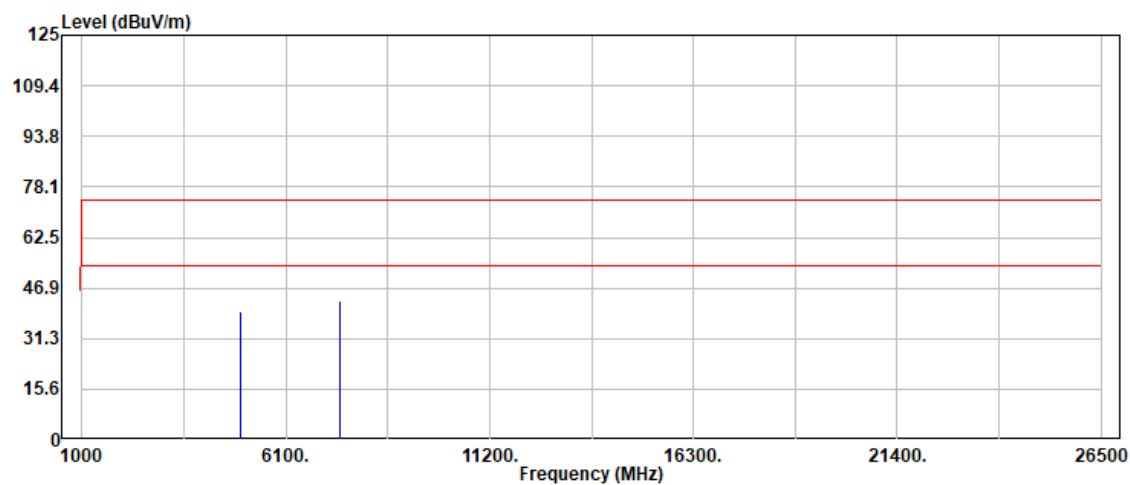


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Project No : TM-2502000034P
Operation Band : BT_BR
Frequency : 2480 MHz
Operation Mode : TX
EUT Pol : E2
Setting :

Test Date : 2025-06-26
Temp./Humi. : 25.4/55
Antenna Pol. : HORIZONTAL
Engineer : Ben.Yang
Test Chamber : 966A



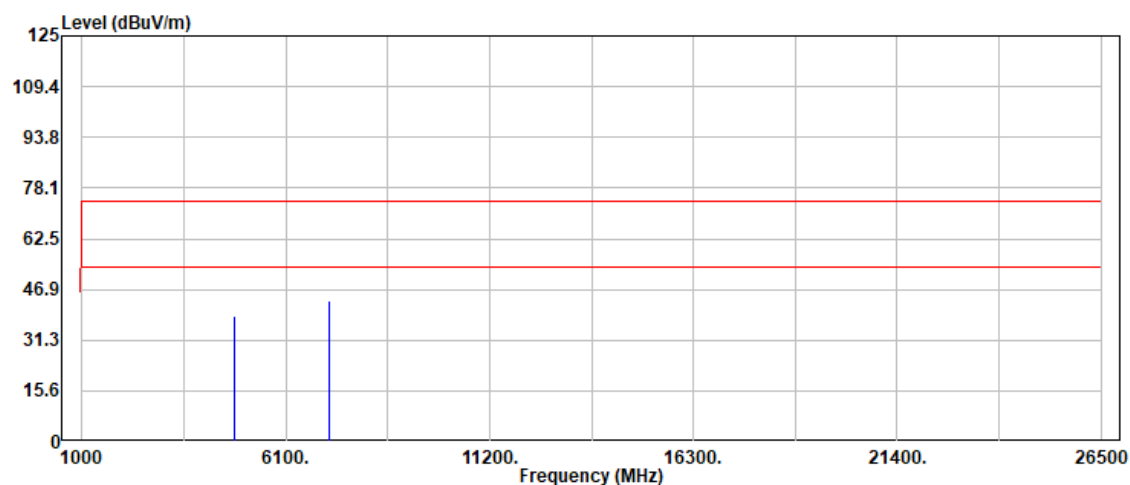
Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
4960.00	35.92	3.52	39.44	74.00	-34.56	Peak
4960.00	28.76	3.52	32.28	54.00	-21.72	Average
7440.00	33.35	9.46	42.81	74.00	-31.19	Peak
7440.00	26.39	9.46	35.85	54.00	-18.15	Average



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Project No	: TM-2502000034P	Test Date	: 2025-06-27
Operation Band	: BT_EDR	Temp./Humi.	: 25.4/55
Frequency	: 2402 MHz	Antenna Pol.	: VERTICAL
Operation Mode	: TX	Engineer	: Ben.Yang
EUT Pol	: E2	Test Chamber	: 966A
Setting	:		



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
4804.00	36.19	2.40	38.59	74.00	-35.41	Peak
4804.00	28.50	2.40	30.90	54.00	-23.10	Average
7206.00	34.43	8.96	43.39	74.00	-30.61	Peak
7206.00	26.58	8.96	35.54	54.00	-18.46	Average

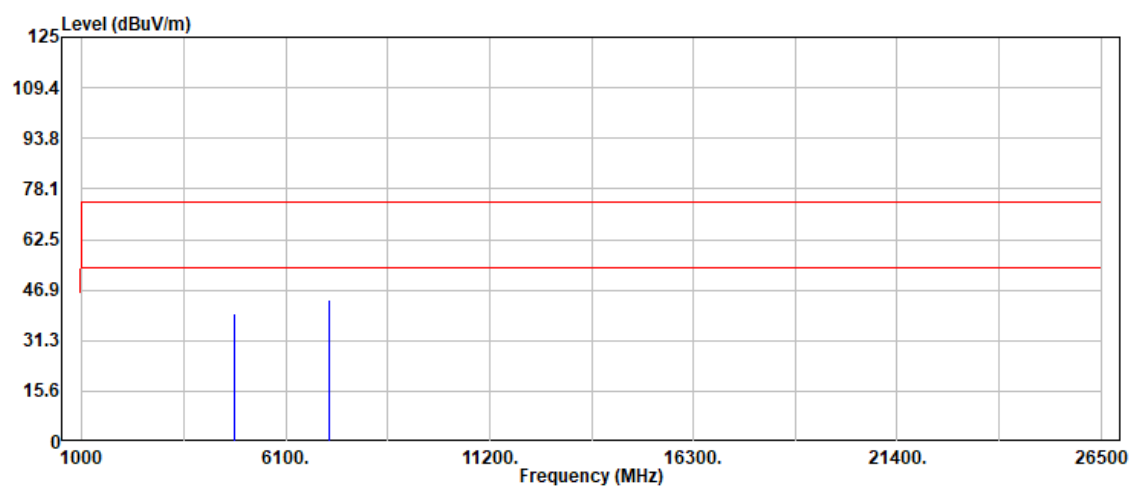


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Project No : TM-2502000034P
Operation Band : BT_EDR
Frequency : 2402 MHz
Operation Mode : TX
EUT Pol : E2
Setting :

Test Date : 2025-06-26
Temp./Humi. : 25.4/55
Antenna Pol. : HORIZONTAL
Engineer : Ben.Yang
Test Chamber : 966A



Freq	Read	Factor	Actual	Limit	Margin	Detector
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
4804.00	37.25	2.40	39.65	74.00	-34.35	Peak
4804.00	28.85	2.40	31.25	54.00	-22.75	Average
7206.00	34.89	8.96	43.85	74.00	-30.15	Peak
7206.00	26.59	8.96	35.55	54.00	-18.45	Average

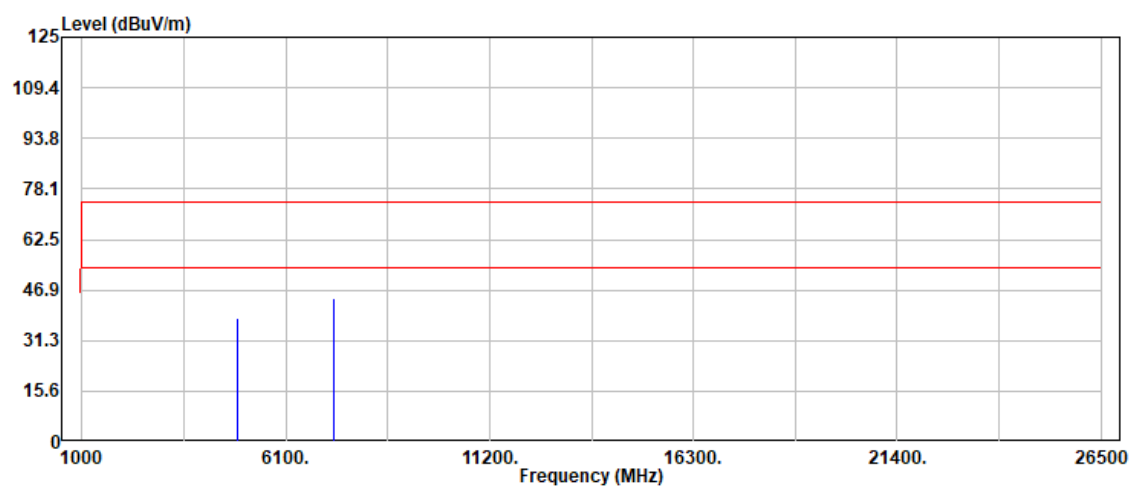


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Project No : TM-2502000034P
Operation Band : BT_EDR
Frequency : 2440 MHz
Operation Mode : TX
EUT Pol : E2
Setting :

Test Date : 2025-06-26
Temp./Humi. : 25.4/55
Antenna Pol. : VERTICAL
Engineer : Ben.Yang
Test Chamber : 966A



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
4880.00	35.59	2.67	38.26	74.00	-35.74	Peak
4880.00	28.73	2.67	31.40	54.00	-22.60	Average
7320.00	34.76	9.36	44.12	74.00	-29.88	Peak
7320.00	26.05	9.36	35.41	54.00	-18.59	Average

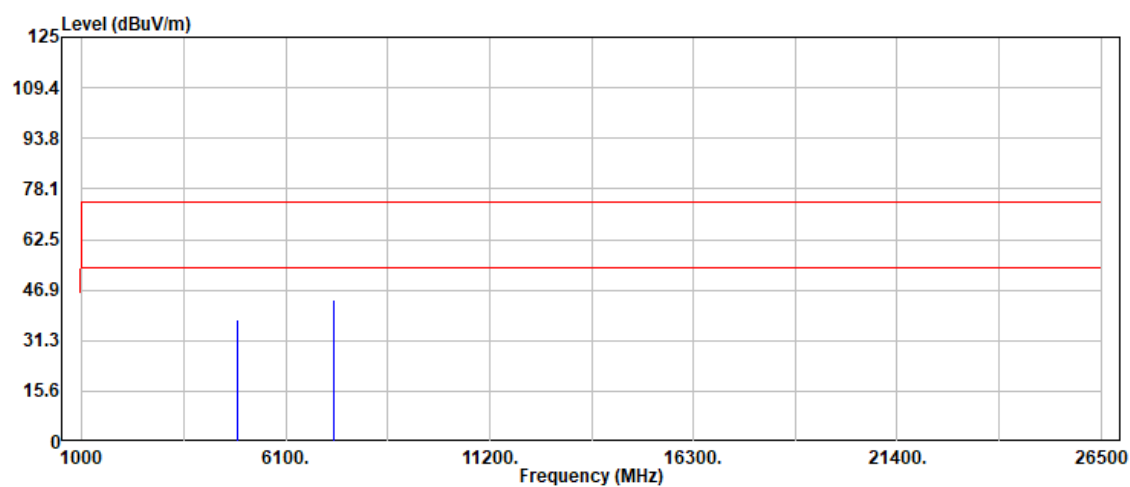


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Project No : TM-2502000034P
Operation Band : BT_EDR
Frequency : 2440 MHz
Operation Mode : TX
EUT Pol : E2
Setting :

Test Date : 2025-06-26
Temp./Humi. : 25.4/55
Antenna Pol. : HORIZONTAL
Engineer : Ben.Yang
Test Chamber : 966A



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
4880.00	34.90	2.67	37.57	74.00	-36.43	Peak
4880.00	28.89	2.67	31.56	54.00	-22.44	Average
7320.00	34.71	9.36	44.07	74.00	-29.93	Peak
7320.00	26.49	9.36	35.85	54.00	-18.15	Average

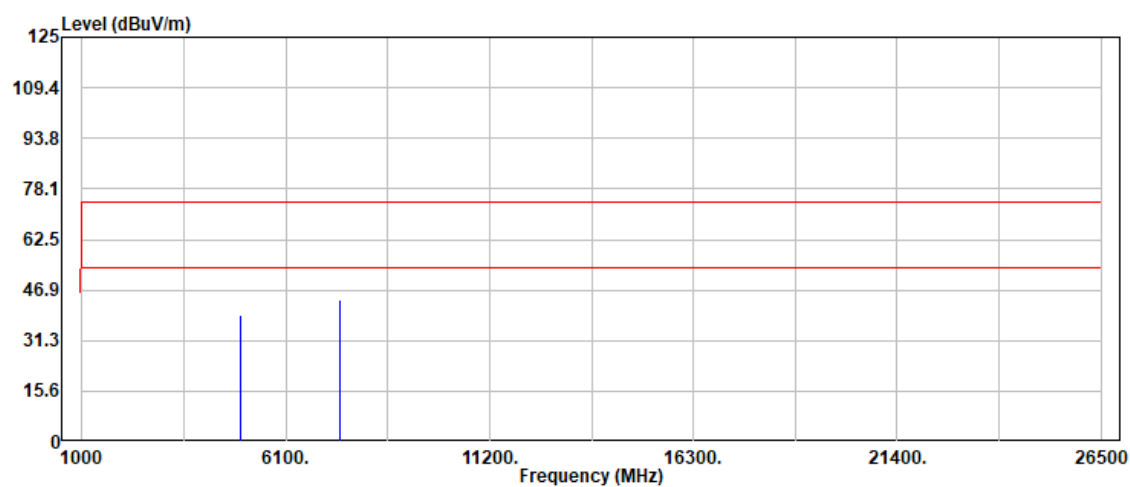


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Project No : TM-2502000034P
Operation Band : BT_EDR
Frequency : 2480 MHz
Operation Mode : TX
EUT Pol : E2
Setting :

Test Date : 2025-06-26
Temp./Humi. : 25.4/55
Antenna Pol. : VERTICAL
Engineer : Ben.Yang
Test Chamber : 966A



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
4960.00	35.69	3.52	39.21	74.00	-34.79	Peak
4960.00	28.84	3.52	32.36	54.00	-21.64	Average
7440.00	34.26	9.46	43.72	74.00	-30.28	Peak
7440.00	26.76	9.46	36.22	54.00	-17.78	Average

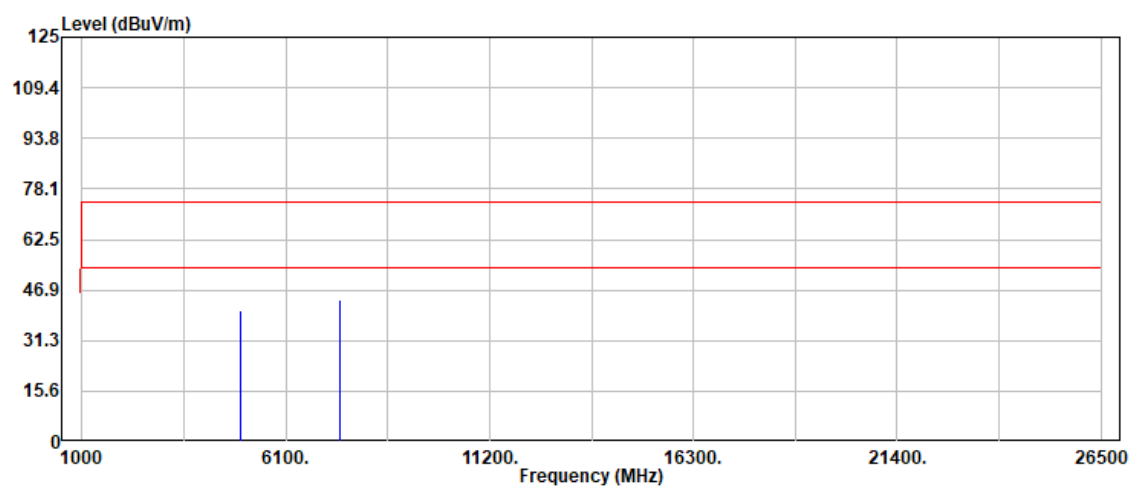


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Project No : TM-2502000034P
Operation Band : BT_EDR
Frequency : 2480 MHz
Operation Mode : TX
EUT Pol : E2
Setting :

Test Date : 2025-06-26
Temp./Humi. : 25.4/55
Antenna Pol. : HORIZONTAL
Engineer : Ben.Yang
Test Chamber : 966A



Freq	Read Level	Factor	Actual FS	Limit @3m	Margin	Detector Mode
-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	PK/QP/AV
4960.00	37.01	3.52	40.53	74.00	-33.47	Peak
4960.00	28.97	3.52	32.49	54.00	-21.51	Average
7440.00	34.35	9.46	43.81	74.00	-30.19	Peak
7440.00	26.39	9.46	35.85	54.00	-18.15	Average

- End of Test Report -