

ELECTROMAGNETIC EMISSIONS
COMPLIANCE TEST REPORT

Applicant: LITE-ON TECHNOLOGY CORP.
Bldg. C, 90, Chien 1 Rd., Chung-Ho, 23585 New Taipei City,
Taiwan

Manufacturer: Barco NV
President Kennedypark 35, 8500 Kortrijk, Belgium

Product Name: Wi-Fi 6E BT 5.2 M.2 2230 Module

Brand Name: LITEON

Model No.: WCBN814A

Model Difference: N/A

Report Number: TERF2208001574E2

FCC ID PPQ-WCBN814A

Issue Date: November 17, 2022

Date of Test: August 30, 2022 ~ September 29, 2022

Date of EUT Received: August 29, 2022

Approved By

Arno Hsieh

We hereby certify that:

The above equipment was tested by SGS Taiwan Ltd. Central RF Lab. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10:2013 and the energy emitted by the sample EUT comply with FCC rule part §15.247.

The results of this report relate only to the sample identified in this report.

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Revision History

Report Number	Revision	Description	Issue Date	Revised By	Remark
TERF2208001574E2	00	Original	November 10, 2022	Violetta Tang	
TERF2208001574E2	01	Update applicant information	November 17, 2022	Violetta Tang	*

Note:

- 1、The remark "*" indicates modification of the report upon requests from certification body.

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1 GENERAL INFORMATION

1.1 Product description

Product Name:	Wi-Fi 6E BT 5.2 M.2 2230 Module
Brand Name:	LITEON
Model No.:	WCBN814A
Model Difference:	N/A
Hardware Version:	N/A
Firmware Version:	N/A
EUT Series No.:	2022070056
Class II Permissive change:	WCBN814A modules INSTALLED IN C5011S
Host Information:	Product Name: ClickShare Brand Name: Barco Model Name: C5011S
Power Supply:	19V
Test Software (Name / Version)	Qualcomm® Radio Control Toolkit v4.0.00163.0

1.2 RF Specification

Radio Technology:	BT BR+EDR
Channel number:	79 channels
Modulation type:	GFSK + $\pi/4$ DQPSK + 8DPSK
Transmit Power:	15.39dBm
Frequency Range:	2.402GHz – 2.480GHz
Dwell Time:	$\leq 0.4s$

1.3 Antenna Designation

Antenna Type	Supplier	Antenna Part No.	Freq. (MHz)	Peak Antenna Gain (dBi)	Worst Antenna Gain
PIFA	INPAQ	ANT1	2400~2500	2.57	V
		ANT2		2.74	

Note:

1. Pre-scanned was done on the above antennas, measurements were demonstrated by using the antenna with the highest gain as the worst case scenarios.
2. Antenna information is provided by the applicant.

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1.4 Test Methodology of Applied Standards

FCC Part 15, Subpart C §15.247

KDB 558074 D01 v05r02 DSS Meas. Guidance

ANSI C63.10:2013

1.5 Test Facility

Laboratory	Test Site Address	Test Site Name	FCC Designa- tion number	IC CAB identifier
SGS Taiwan Ltd. Central RF Lab. (TAF code 3702)	No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan.	SAC 1	TW0027	TW3702
		SAC 2		
		SAC 3		
		Conduction 1		
		Conducted 1		
		Conducted 2		
		Conducted 3		
		Conducted 4		
		Conducted 5		
		Conducted 6		
	No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan 333	Conduction C	TW0028	
		SAC C		
		SAC D		
		SAC G		
		Conducted A		
		Conducted B		
		Conducted C		
		Conducted D		
		Conducted E		
		Conducted F		
Conducted G				
Note: Test site name is remarked on the equipment list in each section of this report as an indica- tion where measurements occurred in specific test site and address.				

1.6 Special Accessories

There is no special accessory used while test was conducted.

1.7 Equipment Modifications

There was no modification incorporated into the EUT.

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2 SYSTEM TEST CONFIGURATION

2.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

2.2 EUT Exercise

An engineering test mode (software/firmware) that applicant provided was utilized to manipulate the EUT into transmit, selection of the test channel, and modulation scheme.

2.3 Test Procedure

2.3.1 Conducted Test (RF)

The active antenna port of the unlicensed wireless device is connected to the spectrum analyzer with attenuator to protect the instrumentation. If a second antenna port is available, it is tested at one operating frequency, with other port(s) appropriately terminated, to verify it has similar output characteristics as the fully tested port.

2.3.2 Radiated Emissions

The EUT is placed on a turn table. For emissions testing at or below 1 GHz, the table height shall be 0.8 m above the reference ground plane. For emission measurements above 1 GHz, the table height shall be 1.5 m. The turn table shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the max. emission, the relative positions of this transmitter (EUT) was rotated through three orthogonal axes and measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made "while keeping the antenna in the 'cone of radiation' from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response." is still within the 3dB illumination BW of the measurement antenna.

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2.4 Measurement Results Explanation Example

2.4.1 Radiated Emission Test Sites For Measurements From 9 kHz To 30 MHz

Radiated emission below 30MHz is measured in a 9m*6m*6m semi-anechoic 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.

2.4.2 For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuation factor between EUT conducted port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly EUT RF output level.

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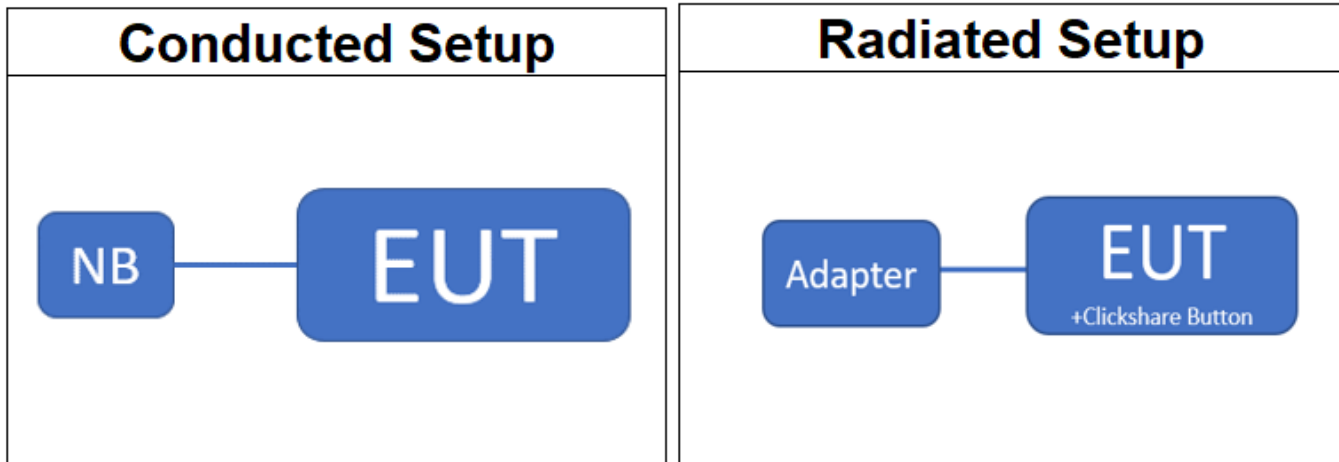
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2.5 Test Configuration



2.6 Control Unit(s)

Conducted Emission Test Site: Conducted D					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Notebook	Lenovo	T470	P0001293	N/A	N/A
AC Adapter 1	Adapter Technology	ATM090T-A190	N/A	N/A	N/A
Battery	Panasonic	CR2032	N/A	N/A	N/A
Clickshare Button	Barco NV	R9861600D01C	N/A	N/A	N/A

Radiated Emission Test Site: SAC G					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
AC Adapter 1	Adapter Technology	ATM090T-A190	N/A	N/A	N/A
Clickshare Button	Barco NV	R9861600D01C	N/A	N/A	N/A

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3 SUMMARY OF TEST RESULTS

FCC Rules	Description Of Test	Result
§15.247(b)(1)	Peak Output Power	Compliant
§15.247(d) §15.205	Radiated Band Edge	Compliant
§15.247(d) §15.209	Radiated Spurious Emission	Compliant

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4 DESCRIPTION OF TEST MODES

4.1 Operated in 2400 ~ 2483.5MHz Band

79 channels are provided for Bluetooth

ITEM	FREQUENCY	ITEM	FREQUENCY	ITEM	FREQUENCY	ITEM	FREQUENCY
1	2402 MHz	21	2422 MHz	41	2442 MHz	71	2462 MHz
2	2403 MHz	22	2423 MHz	42	2443 MHz	72	2463 MHz
3	2404 MHz	23	2424 MHz	43	2444 MHz	73	2464 MHz
4	2405 MHz	24	2425 MHz	44	2445 MHz	74	2465 MHz
5	2406 MHz	25	2426 MHz	45	2446 MHz	75	2466 MHz
6	2407 MHz	26	2427 MHz	46	2447 MHz	76	2467 MHz
7	2408 MHz	27	2428 MHz	47	2448 MHz	77	2468 MHz
8	2409 MHz	28	2429 MHz	48	2449 MHz	78	2469 MHz
9	2410 MHz	29	2430 MHz	49	2450 MHz	79	2470 MHz
10	2411 MHz	30	2431 MHz	50	2451 MHz	70	2471 MHz
11	2412 MHz	31	2432 MHz	51	2452 MHz	71	2472 MHz
12	2413 MHz	32	2433 MHz	52	2453 MHz	72	2473 MHz
13	2414 MHz	33	2434 MHz	53	2454 MHz	73	2474 MHz
14	2415 MHz	34	2435 MHz	54	2455 MHz	74	2475 MHz
15	2416 MHz	35	2436 MHz	55	2456 MHz	75	2476 MHz
16	2417 MHz	36	2437 MHz	56	2457 MHz	76	2477 MHz
17	2418 MHz	37	2438 MHz	57	2458 MHz	77	2478 MHz
18	2419 MHz	38	2439 MHz	58	2459 MHz	78	2479 MHz
19	2420 MHz	39	2440 MHz	59	2460 MHz	79	2480 MHz
20	2421 MHz	40	2441 MHz	60	2461 MHz		

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4.2 The Worst Test Modes and Channel Details

- 1 The EUT has been tested under operating condition.
- 2 Test program used to control the EUT for staying in continuous transmitting and receiving mode is programmed.
- 3 The field strength of radiated emission was measured as the EUT positioned in different orthogonal planes (E1/E2/H) based on actual usage of the EUT to pre-scan the emissions for determining the worst case scenario.
- 4 Investigation has been done on all the possible configurations for searching the worst case.

MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	PACKET TYPE
RADIA TED EMISSION TEST (BELOW 1 GHz)				
Bluetooth	0 to 78	39	GFSK	DH5
RADIA TED EMISSION TEST (ABOVE 1 GHz)				
Bluetooth	0 to 78	0,39,78	GFSK/8-DPSK	DH5/3DH5
Note: The field strength of radiation emission was measured as EUT stand-up position (H mode) and lie down position (E1, E2 mode) for channel Low, Mid and High, the worst case position was reported.				

ANTNNA PORT CONDUCTED TEST				
MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	PACKET TYPE
Peak Output Power				
Bluetooth	0 to 78	0,39,78	GFSK	DH5
	0 to 78	0,39,78	$\pi/4$ -DQPSK	2DH5
	0 to 78	0,39,78	8-DPSK	3DH5

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5 MEASUREMENT UNCERTAINTY

Test Items	Uncertainty
Output Power measurement	+/- 1 dB
Temperature	+/- 0.4 °C
Humidity	+/- 3.5 %
DC / AC Power Source	+/- 1 %

Radiated Spurious Emission Measurement Uncertainty			
Polarization: Vertical	+/-	2.57 dB	9kHz~30MHz
	+/-	4.85 dB	30MHz - 1000MHz
	+/-	4.45 dB	1GHz - 18GHz
	+/-	4.24 dB	18GHz - 40GHz
Polarization: Horizontal	+/-	2.57 dB	9kHz~30MHz
	+/-	4.37 dB	30MHz - 1000MHz
	+/-	4.45 dB	1GHz - 18GHz
	+/-	4.24 dB	18GHz - 40GHz

Note:

1. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.
2. The conformity assessment statement in this report is based solely on the test results, measurement uncertainty is excluded.

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6 PEAK OUTPUT POWER MEASUREMENT

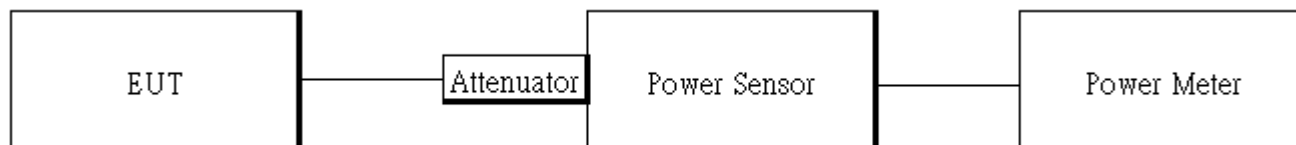
6.1 Standard Applicable

For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 hopping channels, The Limit: 1Watt. For all other frequency hopping systems in the 2400 – 2483.5MHz band: The Limit: 0.125 Watts. The power limit for 1Mbps is 1watt, and 2Mbps, 3Mbps and AFH mode are 0.125 watts.

6.2 Measurement Equipment Used

Conducted Emission Test Site: Conducted D					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Spectrum Analyzer	KEYSIGHT	N9010B	MY59071570	06/01/2022	05/31/2023
Power Meter	Anritsu	ML2496A	1804002	04/27/2022	04/26/2023
Power Sensor	Anritsu	MA2411B	1726105	04/27/2022	04/26/2023
Power Sensor	Anritsu	MA2411B	1726106	04/27/2022	04/26/2023
Attenuator	Marvelous	MVE2213-10	RF13	11/18/2021	11/17/2022
Attenuator	Marvelous	WATT-218FS-10	RF16	11/18/2021	11/17/2022
Attenuator	Marvelous	WATT-218FS-10	RF23	11/18/2021	11/17/2022
DC Block	PASTERNAK	PE8210	RF159	11/18/2021	11/17/2022
Coaxial Cables	Woken	00100A1F2A196C	RF70	11/18/2021	11/17/2022

6.3 Test Set-up:



6.4 Measurement Procedure:

1. Place the EUT on the table and set it in transmitting mode.
2. The testing follows ANSI C63.10 Measurement Guidelines.
3. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the power meter or spectrum. (Max Hold, Detector = Peak, RBW >=20dB band-width)
4. Record the max. reading.
5. Repeat above procedures until all default test channel is completed.

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6.5 Peak & Average Power Measurement Result

1M BR mode (Peak):

CH	Freq. (MHz)	Power set	Peak Output Power (dBm)	Output Power (mW)	Limit (mW)
Low	2402	11	14.49	28.119	1000
Mid	2441	11	14.87	30.690	1000
High	2480	11	15.39	34.594	1000

1M BR mode (Average):

CH	Freq. (MHz)	Power set	Max. Avg. Output include tune up tolerance Power (dBm)	Output Power (mW)	Limit (mW)
Low	2402	11	14.47	27.967	1000
Mid	2441	11	14.63	29.016	1000
High	2480	11	12.09	16.167	1000

2M EDR mode (Peak):

CH	Freq. (MHz)	Power set	Peak Output Power (dBm)	Output Power (mW)	Limit (mW)
Low	2402	11	12.91	19.543	125
Mid	2441	11	14.17	26.122	125
High	2480	11	13.65	23.174	125

2M EDR mode (Average):

CH	Freq. (MHz)	Power set	Max. Avg. Output include tune up tolerance Power (dBm)	Output Power (mW)	Limit (mW)
Low	2402	11	12.80	19.035	125
Mid	2441	11	10.50	11.208	125
High	2480	11	13.17	20.728	125

3M EDR mode (Peak):

CH	Freq. (MHz)	Power set	Peak Output Power (dBm)	Output Power (mW)	Limit (mW)
Low	2402	11	14.11	25.763	125
Mid	2441	11	14.34	27.164	125
High	2480	11	14.68	29.376	125

3M EDR mode (Average):

CH	Freq. (MHz)	Power set	Max. Avg. Output include tune up tolerance Power (dBm)	Output Power (mW)	Limit (mW)
Low	2402	11	10.21	10.505	125
Mid	2441	11	9.19	8.306	125
High	2480	11	9.35	8.618	125

NOTE: cable loss as dB that offsets in the spectrum

*Note: Max. Output include tune up tolerance Power measured by using average detector.

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7 RADIATED BANDEDGE AND SPURIOUS EMISSION MEASUREMENT

7.1 Standard Applicable

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. In addition, radiated emissions which fall in the restricted bands must also comply with the §15.209 limit as below.

And according to §15.33(a) (1), for an intentional radiator operates below 10GHz, the frequency range of measurements: to the tenth harmonic of the highest fundamental frequency or to 40GHz, whichever is lower.

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

Note:

1. The lower limit shall apply at the transition frequencies.

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7.2 Measurement Equipment Used

Radiated Emission Test Site: SAC G					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Broadband Antenna	SCHWARZBECK	VULB 9168	1206	02/15/2022	02/14/2023
Horn Antenna	Schwarzbeck	BBHA9170	184	12/15/2022	12/14/2023
Horn Antenna	RF SPIN	DRH18-E	210105A18E	04/08/2022	04/07/2023
Loop Antenna	ETS.LINDGREN	6502	143303	05/06/2022	05/07/2023
3m Site NSA	SGS	966 chamber G	N/A	03/30/2022	03/29/2023
Spectrum Analyzer	KEYSIGHT	N9010A	MY51440113	07/13/2022	07/14/2023
Test Software	audix	e3	E3 20923 SGS Ver.9 (C)	N.C.R	N.C.R
Pre-Amplifier	EMC Instruments	EMC184045B	980135	10/27/2021	10/26/2022
Pre-Amplifier	EMC Instruments	EMC330N	980781	03/15/2022	03/14/2023
Pre-Amplifier	EMC Instruments	EMC118A45SE	980815	03/15/2022	03/14/2023
Coaxial Cable	EMC Instruments	EMCCFD400-NM-NM-8000-5000-2000	210216 、 210217 、 210218	03/15/2022	03/14/2023
Coaxial Cable	EMC Instruments	EMC104-SM-SM-8000-5000-5000	210219 、 210220 、 210221	03/15/2022	03/14/2023
Coaxial Cable	EMC Instruments	EMC105-NM-NM-5000-15000	210224 、 210306	03/15/2022	03/14/2023

NOTE: N.C.R refers to Not Calibrated Required.

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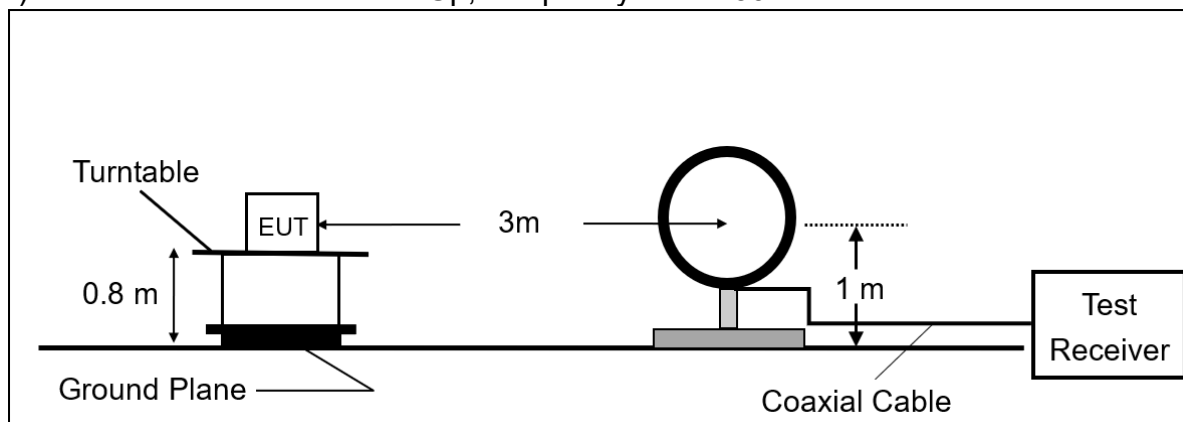
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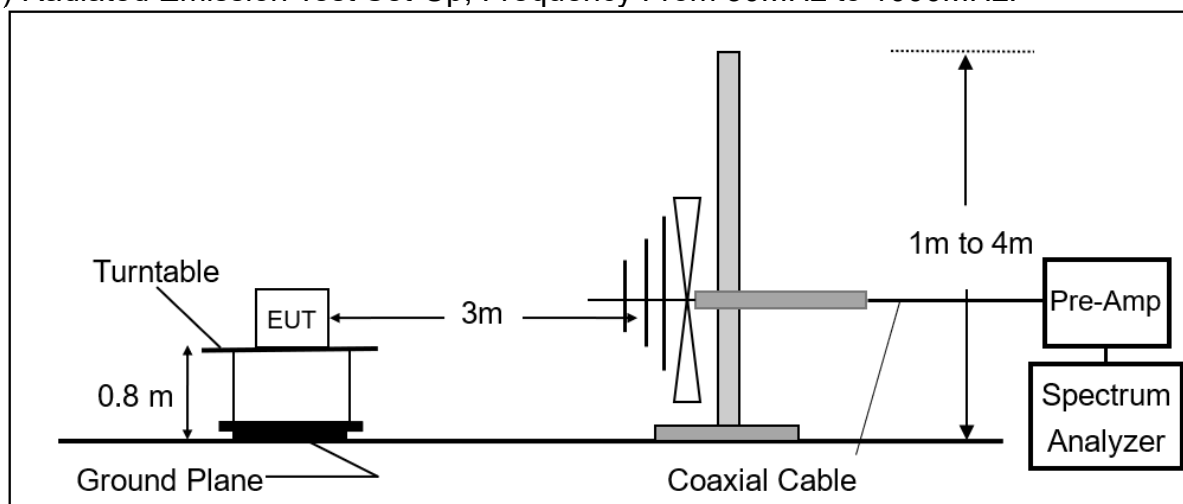
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7.3 Test SET-UP

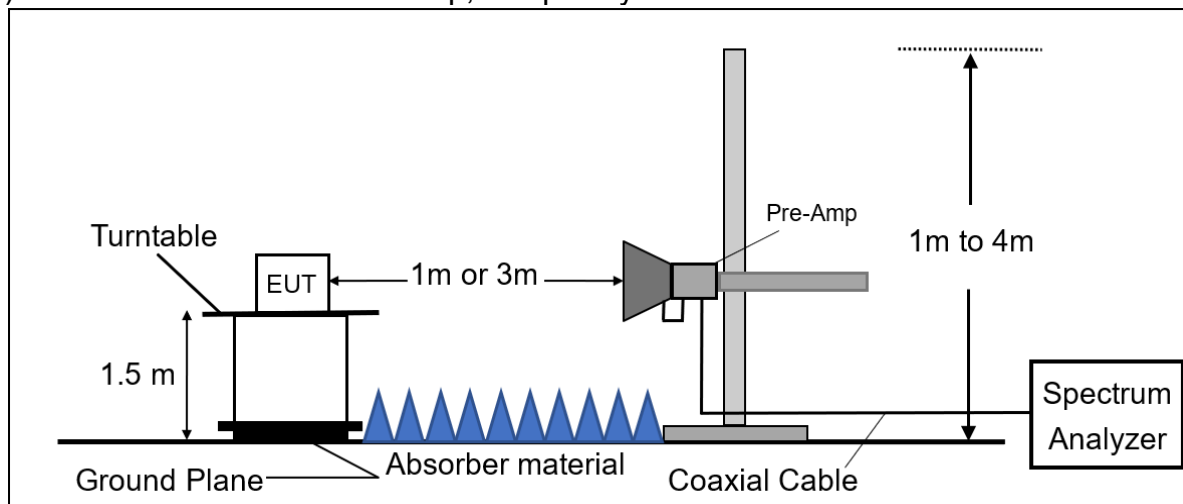
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz.



(B) Radiated Emission Test Set-Up, Frequency From 30MHz to 1000MHz.



(C) Radiated Emission Test Set-Up, Frequency Above 1GHz.



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7.4 Measurement Procedure

7.4.1 Radiated Emission

1. The testing follows the Measurement Procedure of ANSI C63.10:2013.
2. The EUT was placed on a turn table with 0.8m for frequency < 1GHz and 1.5m for frequency > 1GHz above ground plane.
3. The turn table shall rotate 360 degrees to determine the position of maximum emission level.
4. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emissions.
5. Set the spectrum analyzer as RBW=100 kHz and VBW=300 kHz for Peak Detector (PK) at frequency between 30MHz and 1 GHz.
6. Use receiver mode as RBW=120 kHz for Quasi-peak (QP) at frequency between 30MHz and 1 GHz.
7. Set the spectrum analyzer as RBW=1 MHz, VBW=3 MHz for Peak Detector at frequency above 1 GHz.
8. Set the spectrum analyzer as RBW=1 MHz, VBW=10 Hz (Duty cycle > 98%) or VBW $\geq 1/T$ (Duty cycle < 98%) for Average Detector at frequency above 1 GHz.
9. When measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made "while keeping the antenna in the 'cone of radiation' from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response." is still within the 3dB illumination BW of the measurement antenna.
10. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
11. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. On spectrum, change spectrum mode in linear display mode, and reduce VBW = 10Hz if average reading is measured.
12. Repeat above procedures until all default test channel measured were complete.

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7.5 Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$FS = RA + AF + CL - AG$$

Where *FS* = Field Strength

RA = Reading Amplitude

AF = Antenna Factor

CL = Cable Attenuation Factor (Cable Loss)

AG = Amplifier Gain

The limit of the emission level is expressed in dBuV/m, which converts $20 \cdot \log(uV/m)$

Actual FS(dBμV/m) = SPA. Reading level(dBμV) + Factor(dB)

Factor(dB) = Antenna Factor(dBμV/m) + Cable Loss(dB) – Pre_Amplifier Gain(dB)

7.6 Test Results of Radiated Spurious Emissions from 9 kHz to 30 MHz

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit per 15.31(o) was not reported.

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7.7 Measurement Result:

7.7.1 Duty Cycle Correction Factor

BR

Time ON of 100ms:	8.500	ms
Duty Cycle=8.5ms / 100m	0.085	%
Duty Cycle correction factor=20 LOG 0.085=	-21.41	dB

EDR

Time ON of 100ms:	9.400	ms
Duty Cycle=9.4ms / 100m	0.094	%
Duty Cycle correction factor=20 LOG 0.094=	-20.54	dB

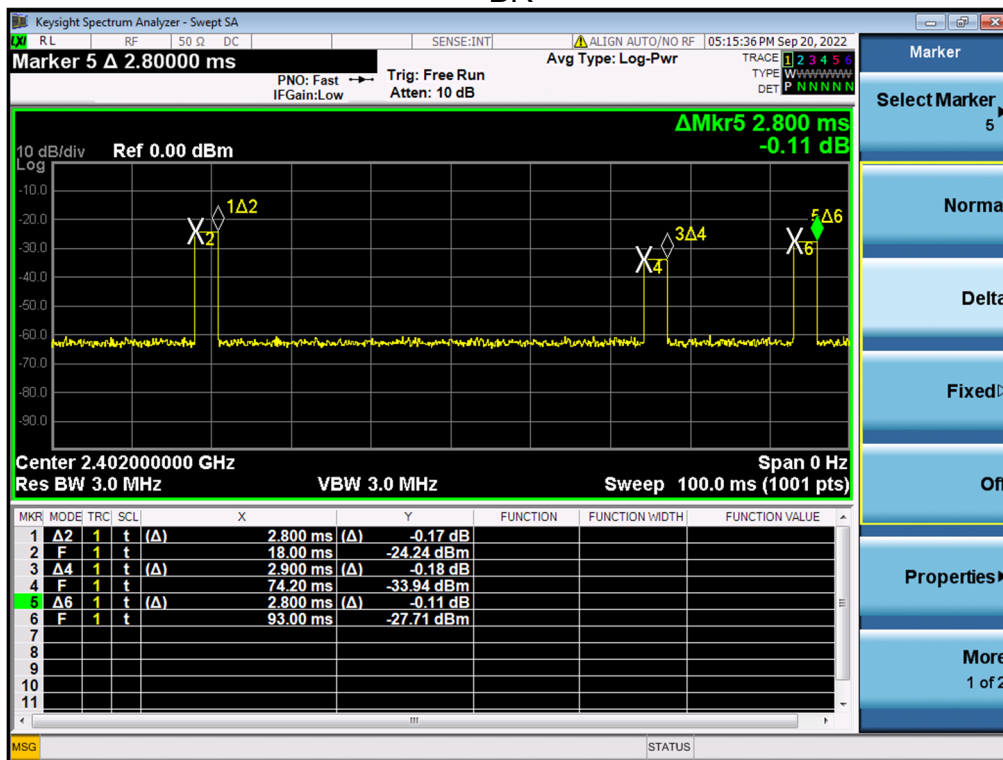
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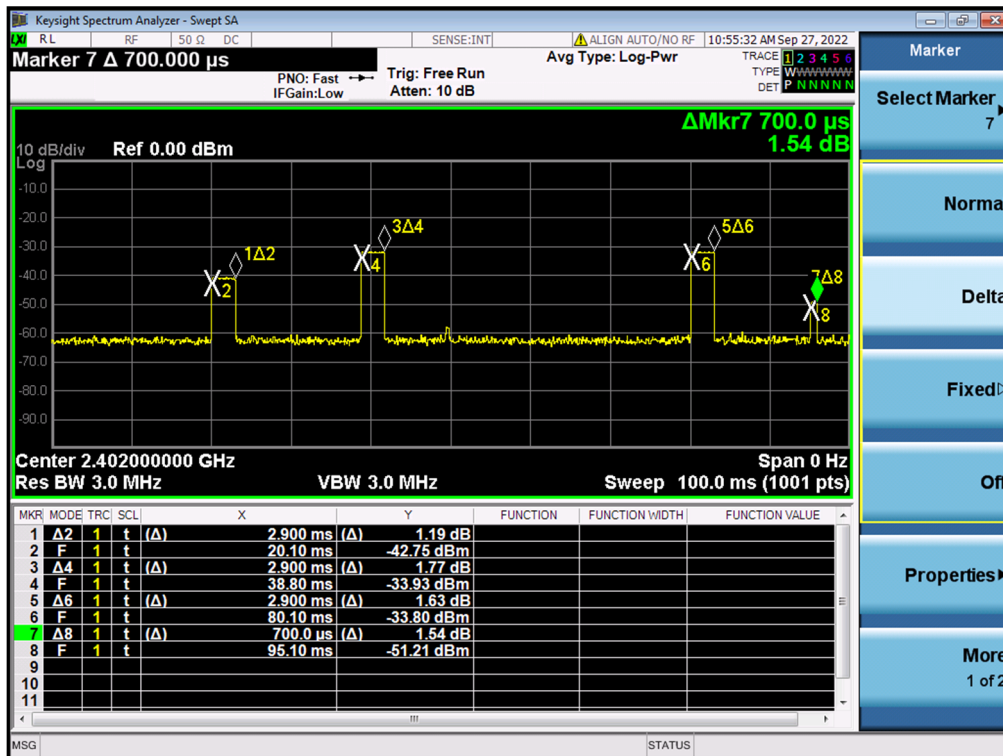
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7.7.2 Duty Cycle test plot

BR



EDR



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7.7.3 Bandedge Result

Report Number :TERF2208001574E2

Test Site :SAC G

Operation Mode :BT BR

Test Date :2022-09-20

Test Frequency :2402 MHz

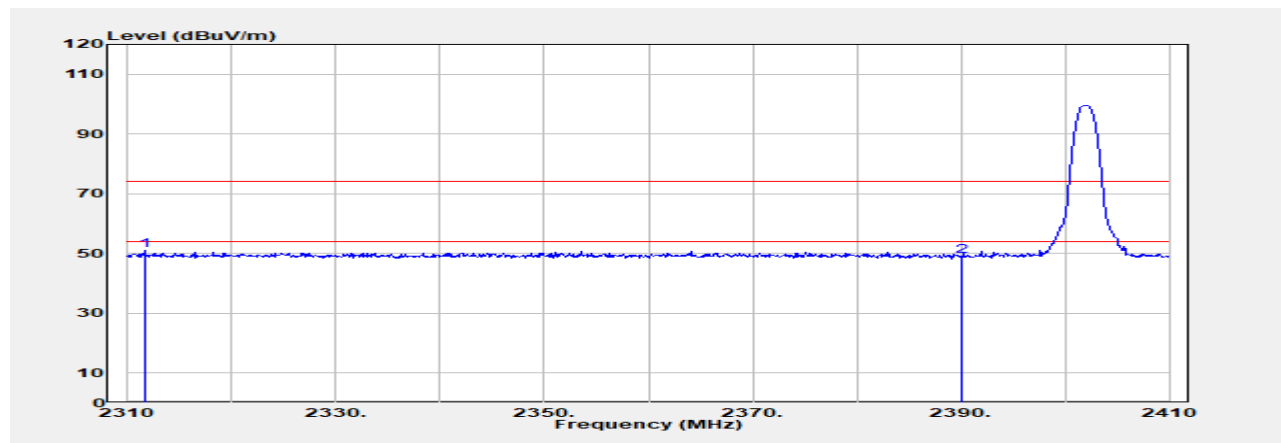
Temp./Humi. :21.6/62

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
2311.600	Peak	54.70	-3.61	51.08	74.00	-22.92
2390.000	Peak	52.75	-3.80	48.95	74.00	-25.05

Freq. MHz	Detector Mode AV	Peak Actual FS (dB μ V/m)	Duty Cycle Factor (dB)	Average Value (dB μ V/m)	Average Limit@3m (dB μ V/m)	Margin (dB)
2311.600	Average	51.08	-21.41	29.67	54.00	-24.33
2390.000	Average	48.95	-21.41	27.54	54.00	-26.46

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Report Number :TERF2208001574E2

Test Site :SAC G

Operation Mode :BT BR

Test Date :2022-09-20

Test Frequency :2402 MHz

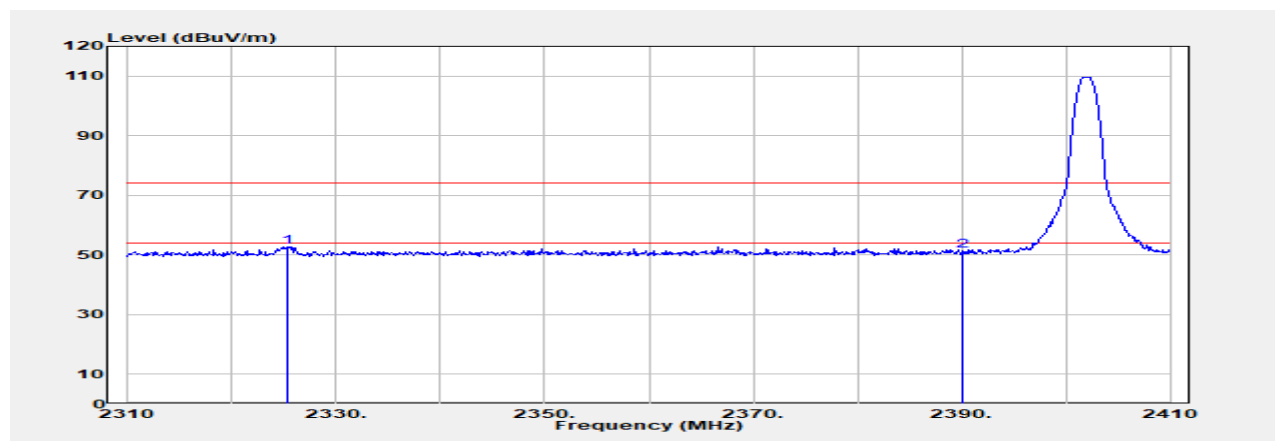
Temp./Humi. :21.6/62

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
2325.300	Peak	56.36	-3.65	52.71	74.00	-21.29
2390.000	Peak	55.16	-3.80	51.36	74.00	-22.64

Freq. MHz	Detector Mode AV	Peak Actual FS (dB μ V/m)	Duty Cycle Factor (dB)	Average Value (dBuV/m)	Average Limit@3m (dBuV/m)	Margin (dB)
2325.300	Average	52.71	-21.41	31.30	54.00	-22.70
2390.000	Average	51.36	-21.41	29.95	54.00	-24.05

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Report Number :TERF2208001574E2

Test Site :SAC G

Operation Mode :BT BR Hopping

Test Date :2022-09-20

Test Frequency :2402 MHz

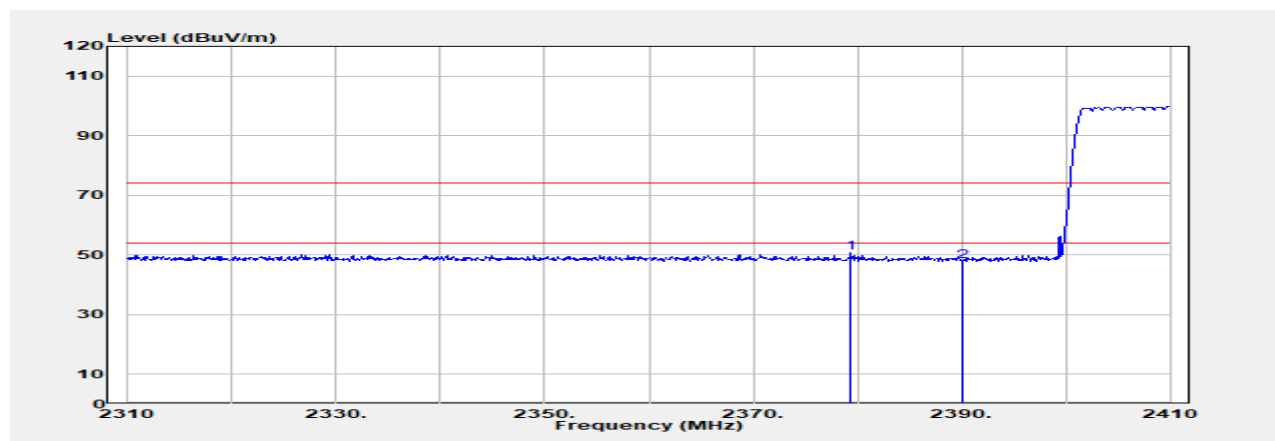
Temp./Humi. :21.6/62

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2379.400	Peak	54.39	-3.76	50.64	74.00	-23.36
2390.000	Peak	51.63	-3.80	47.83	74.00	-26.17
Freq. MHz	Detector Mode AV	Peak Actual FS (dBμV/m)	Duty Cycle Factor (dB)	Average Value (dBuV/m)	Average Limit@3m (dBuV/m)	Margin (dB)
2379.400	Average	50.64	-21.41	29.23	54.00	-24.77
2390.000	Average	47.83	-21.41	26.42	54.00	-27.58

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No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

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Member of SGS Group

Report Number :TERF2208001574E2

Test Site :SAC G

Operation Mode :BT BR Hopping

Test Date :2022-09-20

Test Frequency :2402 MHz

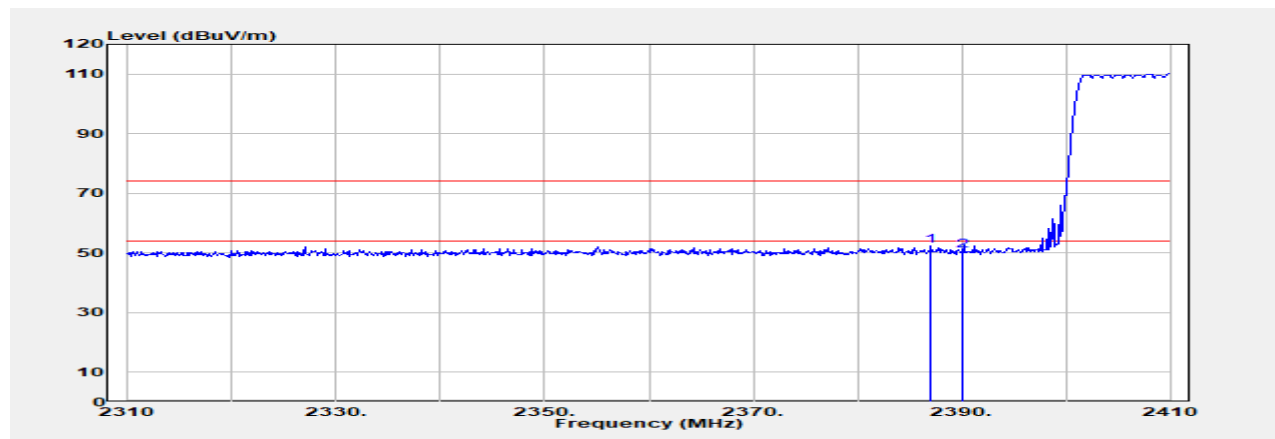
Temp./Humi. :21.6/62

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
2387.100	Peak	56.18	-3.79	52.39	74.00	-21.61
2390.000	Peak	54.38	-3.80	50.58	74.00	-23.42
Freq. MHz	Detector Mode AV	Peak Actual FS (dB μ V/m)	Duty Cycle Factor (dB)	Average Value (dBuV/m)	Average Limit@3m (dBuV/m)	Margin (dB)
2387.100	Average	52.39	-21.41	30.98	54.00	-23.02
2390.000	Average	50.58	-21.41	29.17	54.00	-24.83

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Member of SGS Group

Report Number :TERF2208001574E2

Test Site :SAC G

Operation Mode :BT BR

Test Date :2022-09-20

Test Frequency :2480 MHz

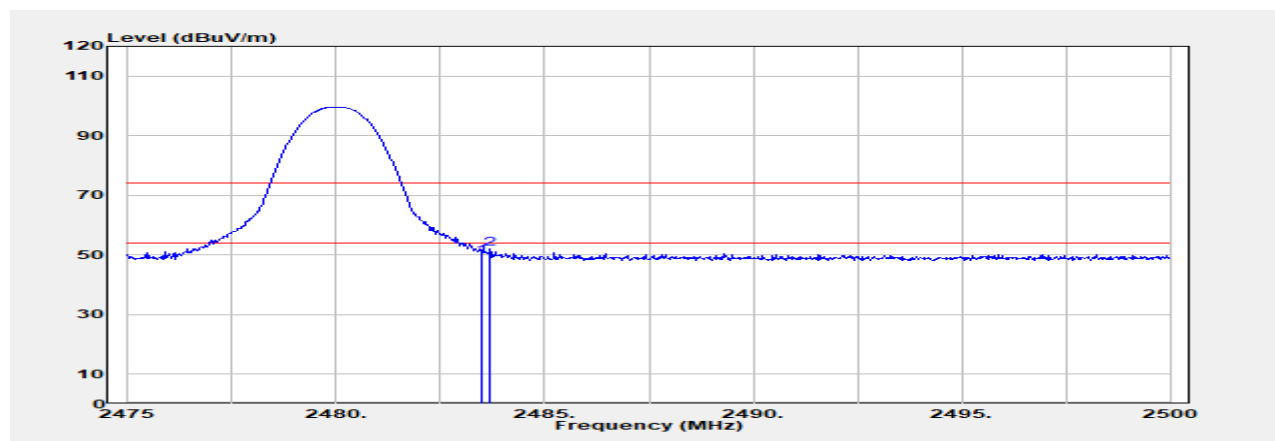
Temp./Humi. :21.6/62

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2483.500	Peak	53.39	-3.82	49.57	74.00	-24.43
2483.700	Peak	55.72	-3.82	51.90	74.00	-22.10
Freq. MHz	Detector Mode AV	Peak Actual FS (dBμV/m)	Duty Cycle Factor (dB)	Average Value (dBUV/m)	Average Limit@3m (dBUV/m)	Margin (dB)
2483.500	Average	49.57	-21.41	28.16	54.00	-25.84
2483.700	Average	51.90	-21.41	30.49	54.00	-23.51

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Report Number :TERF2208001574E2

Test Site :SAC G

Operation Mode :BT BR

Test Date :2022-09-20

Test Frequency :2480 MHz

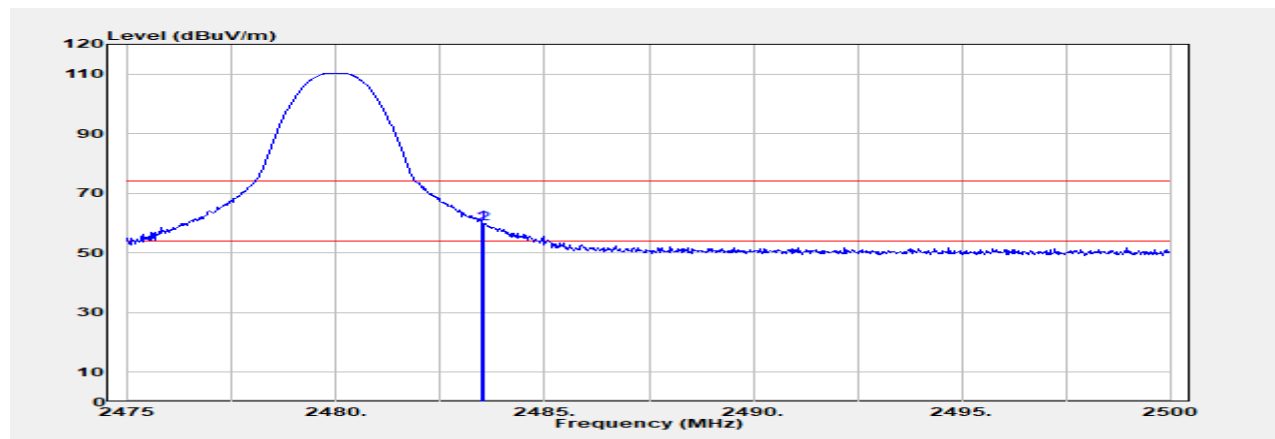
Temp./Humi. :21.6/62

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP	Spectrum Reading Level dBμV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
2483.500	Peak	64.07	-3.82	60.25	74.00	-13.75
2483.550	Peak	63.73	-3.82	59.91	74.00	-14.09
Freq. MHz	Detector Mode AV	Peak Actual FS (dBUV/m)	Duty Cycle Factor (dB)	Average Value (dBUV/m)	Average Limit@3m (dBUV/m)	Margin (dB)
2483.500	Average	60.25	-21.41	38.84	54.00	-15.16
2483.550	Average	59.91	-21.41	38.50	54.00	-15.50

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Report Number :TERF2208001574E2

Test Site :SAC G

Operation Mode :BT BR Hopping

Test Date :2022-09-20

Test Frequency :2480 MHz

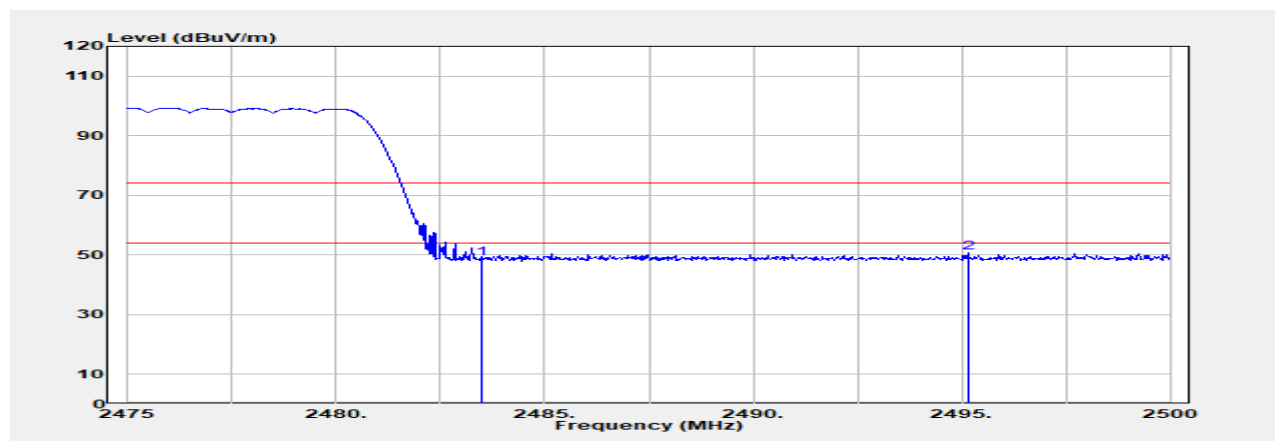
Temp./Humi. :21.6/62

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2483.500	Peak	52.69	-3.82	48.87	74.00	-25.13
2495.150	Peak	54.50	-3.76	50.74	74.00	-23.26
Freq. MHz	Detector Mode AV	Peak Actual FS (dBμV/m)	Duty Cycle Factor (dB)	Average Value (dBμV/m)	Average Limit@3m (dBμV/m)	Margin (dB)
2483.500	Average	48.87	-21.41	27.46	54.00	-26.54
2495.150	Average	50.74	-21.41	29.33	54.00	-24.67

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Report Number :TERF2208001574E2

Test Site :SAC G

Operation Mode :BT BR Hopping

Test Date :2022-09-20

Test Frequency :2480 MHz

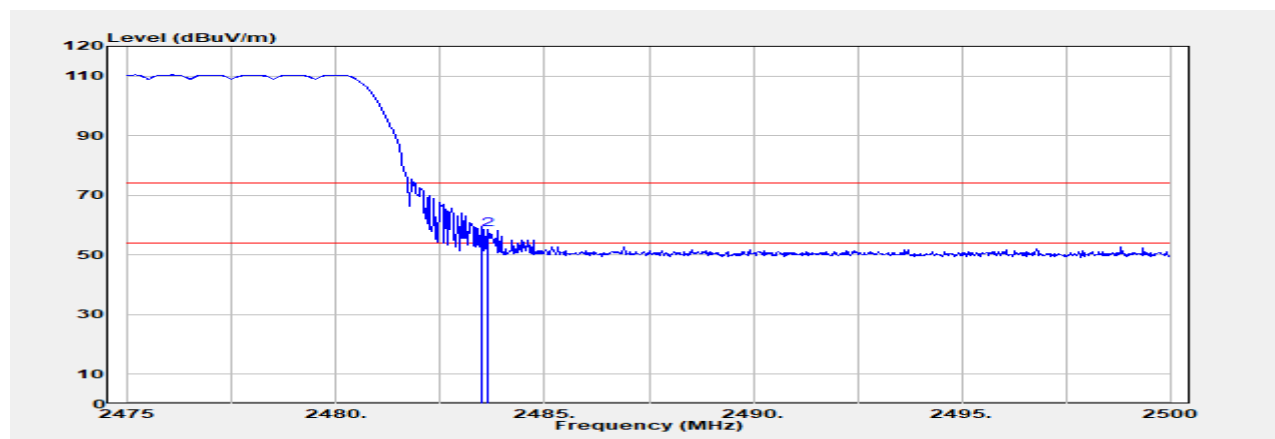
Temp./Humi. :21.6/62

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2483.500	Peak	54.84	-3.82	51.02	74.00	-22.98
2483.650	Peak	62.50	-3.82	58.68	74.00	-15.32
Freq. MHz	Detector Mode AV	Peak Actual FS (dBμV/m)	Duty Cycle Factor (dB)	Average Value (dBμV/m)	Average Limit@3m (dBμV/m)	Margin (dB)
2483.500	Average	51.02	-21.41	29.61	54.00	-24.39
2483.650	Average	58.68	-21.41	37.27	54.00	-16.73

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Report Number :TERF2208001574E2

Test Site :SAC G

Operation Mode :BT EDR 2M

Test Date :2022-09-20

Test Frequency :2402 MHz

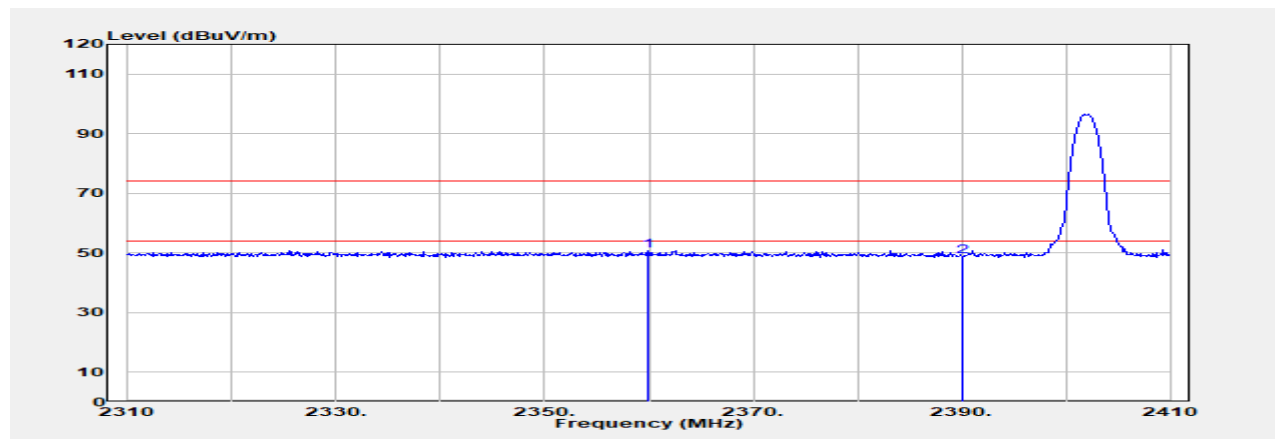
Temp./Humi. :21.6/62

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
2359.900	Peak	54.47	-3.61	50.86	74.00	-23.14
2390.000	Peak	52.50	-3.80	48.70	74.00	-25.30
Freq. MHz	Detector Mode AV	Peak Actual FS (dB μ V/m)	Duty Cycle Factor (dB)	Average Value (dBuV/m)	Average Limit@3m (dBuV/m)	Margin (dB)
2359.900	Average	50.86	-20.54	30.32	54.00	-23.68
2390.000	Average	48.70	-20.54	28.16	54.00	-25.84

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Report Number :TERF2208001574E2

Test Site :SAC G

Operation Mode :BT EDR 2M

Test Date :2022-09-20

Test Frequency :2402 MHz

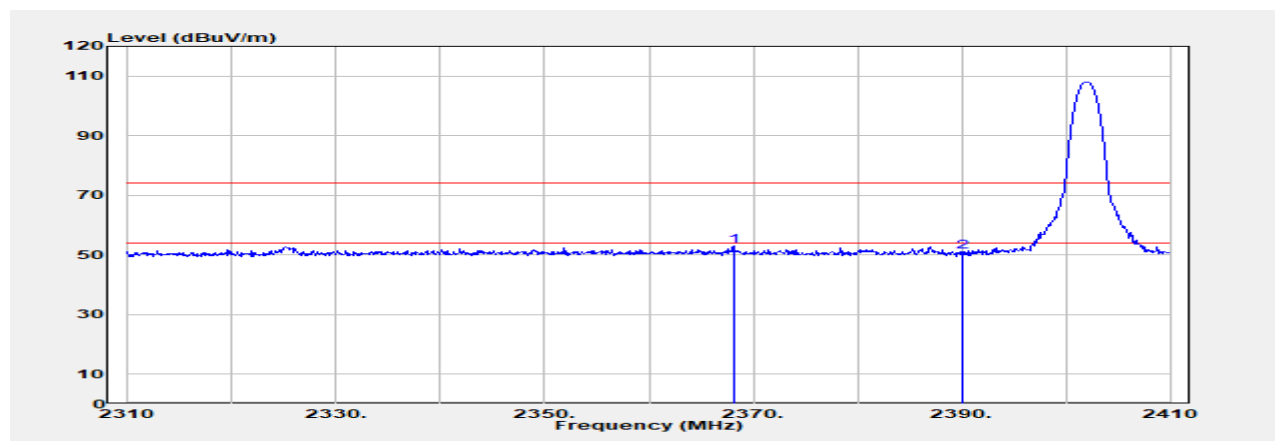
Temp./Humi. :21.6/62

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
2368.100	Peak	56.72	-3.67	53.05	74.00	-20.95
2390.000	Peak	54.72	-3.80	50.92	74.00	-23.08
Freq. MHz	Detector Mode AV	Peak Actual FS (dB μ V/m)	Duty Cycle Factor (dB)	Average Value (dBuV/m)	Average Limit@3m (dBuV/m)	Margin (dB)
2368.100	Average	53.05	-20.54	32.51	54.00	-21.49
2390.000	Average	50.92	-20.54	30.38	54.00	-23.62

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Report Number :TERF2208001574E2

Test Site :SAC G

Operation Mode :BT EDR 2M Hopping

Test Date :2022-09-20

Test Frequency :2402 MHz

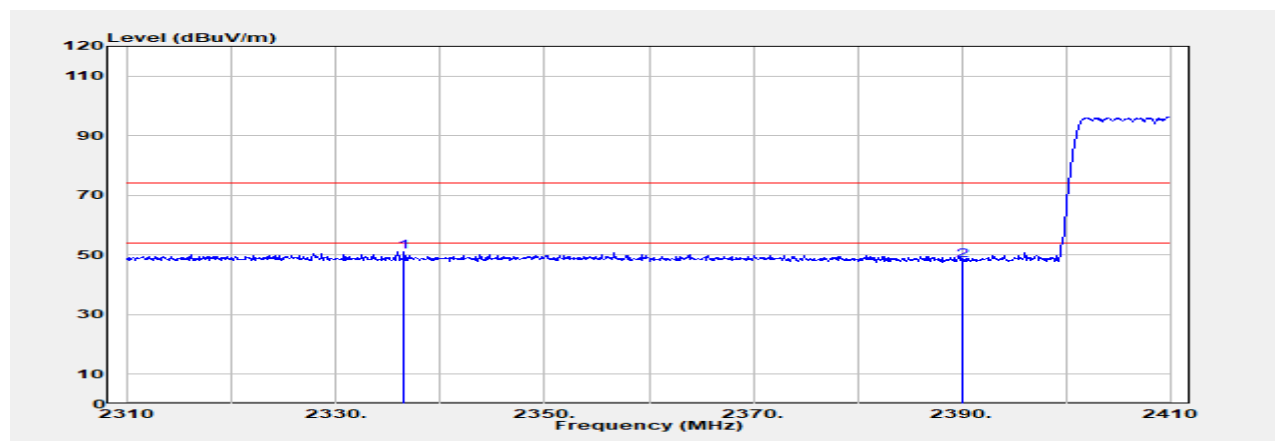
Temp./Humi. :21.6/62

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
2336.500	Peak	54.68	-3.70	50.99	74.00	-23.01
2390.000	Peak	51.81	-3.80	48.01	74.00	-25.99

Freq. MHz	Detector Mode AV	Peak Actual FS (dB μ V/m)	Duty Cycle Factor (dB)	Average Value (dBuV/m)	Average Limit@3m (dBuV/m)	Margin (dB)
2336.500	Average	50.99	-20.54	30.45	54.00	-23.55
2390.000	Average	48.01	-20.54	27.47	54.00	-26.53

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Report Number :TERF2208001574E2

Test Site :SAC G

Operation Mode :BT EDR 2M Hopping

Test Date :2022-09-20

Test Frequency :2402 MHz

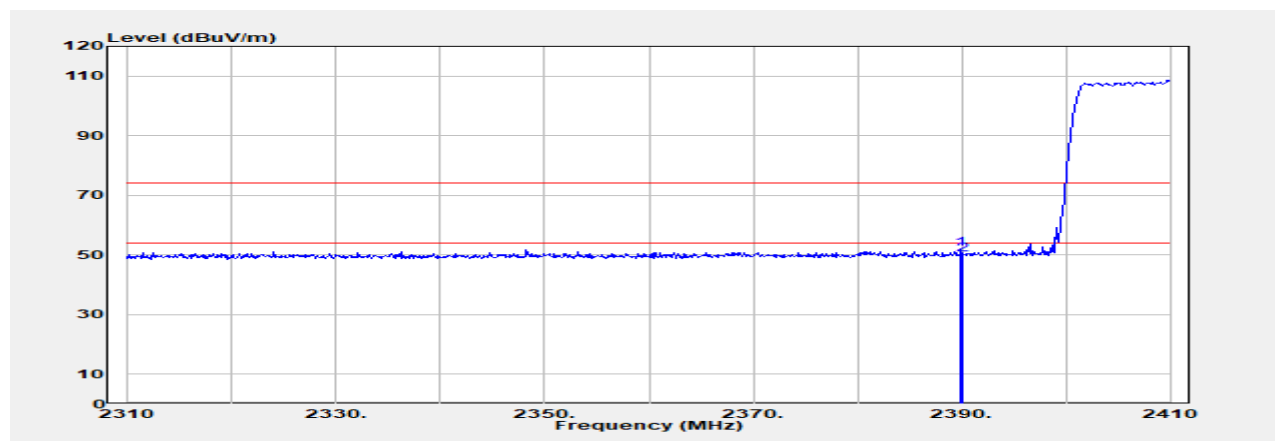
Temp./Humi. :21.6/62

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2389.900	Peak	55.77	-3.80	51.97	74.00	-22.03
2390.000	Peak	53.94	-3.80	50.14	74.00	-23.86
Freq. MHz	Detector Mode AV	Peak Actual FS (dBμV/m)	Duty Cycle Factor (dB)	Average Value (dBuV/m)	Average Limit@3m (dBuV/m)	Margin (dB)
2389.900	Average	51.97	-20.54	31.43	54.00	-22.57
2390.000	Average	50.14	-20.54	29.60	54.00	-24.40

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Report Number :TERF2208001574E2

Test Site :SAC G

Operation Mode :BT EDR 2M

Test Date :2022-09-20

Test Frequency :2480 MHz

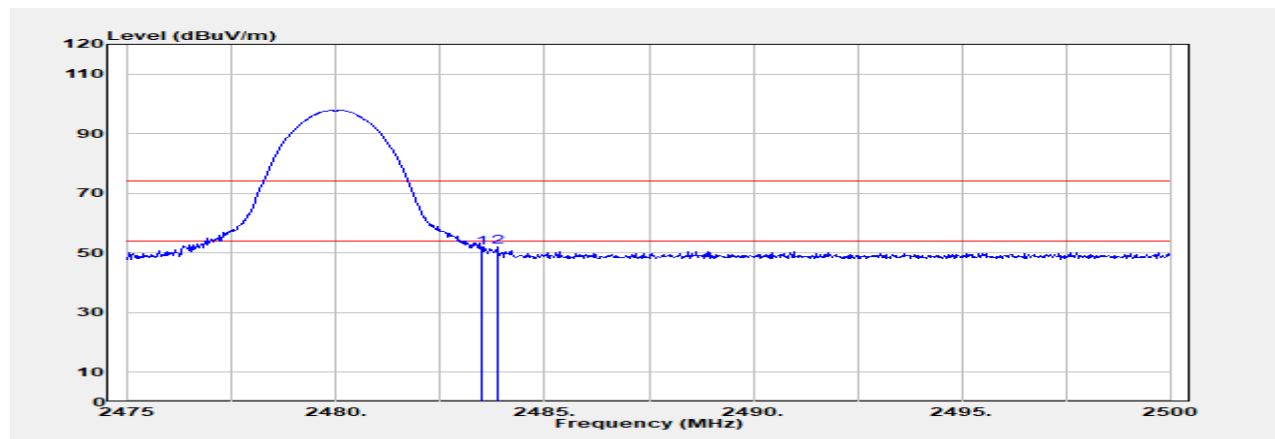
Temp./Humi. :21.6/62

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
2483.500	Peak	55.64	-3.82	51.82	74.00	-22.18
2483.850	Peak	55.74	-3.82	51.93	74.00	-22.07
Freq. MHz	Detector Mode AV	Peak Actual FS (dB μ V/m)	Duty Cycle Factor (dB)	Average Value (dBuV/m)	Average Limit@3m (dBuV/m)	Margin (dB)
2483.500	Average	51.82	-20.54	31.28	54.00	-22.72
2483.850	Average	51.93	-20.54	31.39	54.00	-22.61

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Report Number :TERF2208001574E2

Test Site :SAC G

Operation Mode :BT EDR 2M

Test Date :2022-09-20

Test Frequency :2480 MHz

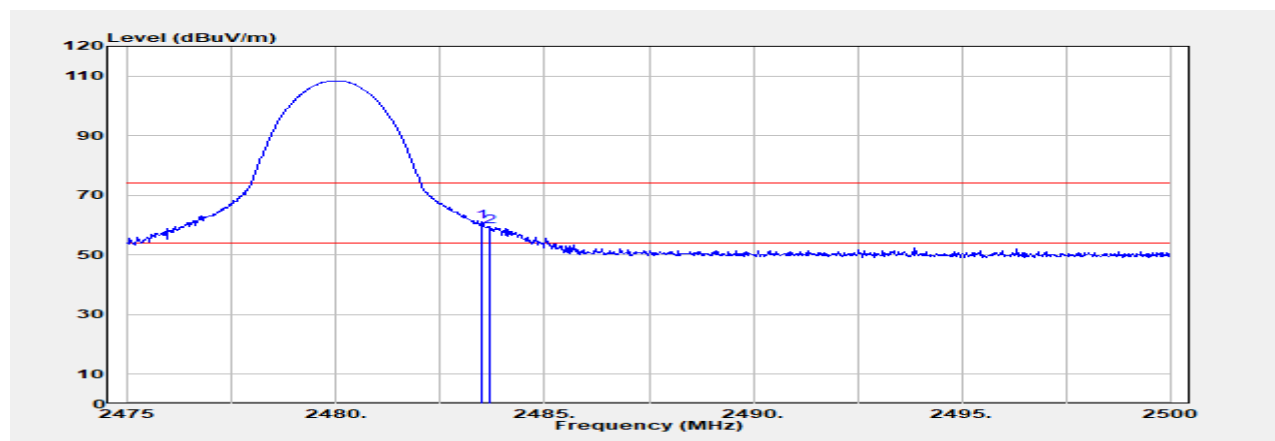
Temp./Humi. :21.6/62

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Temo Chen



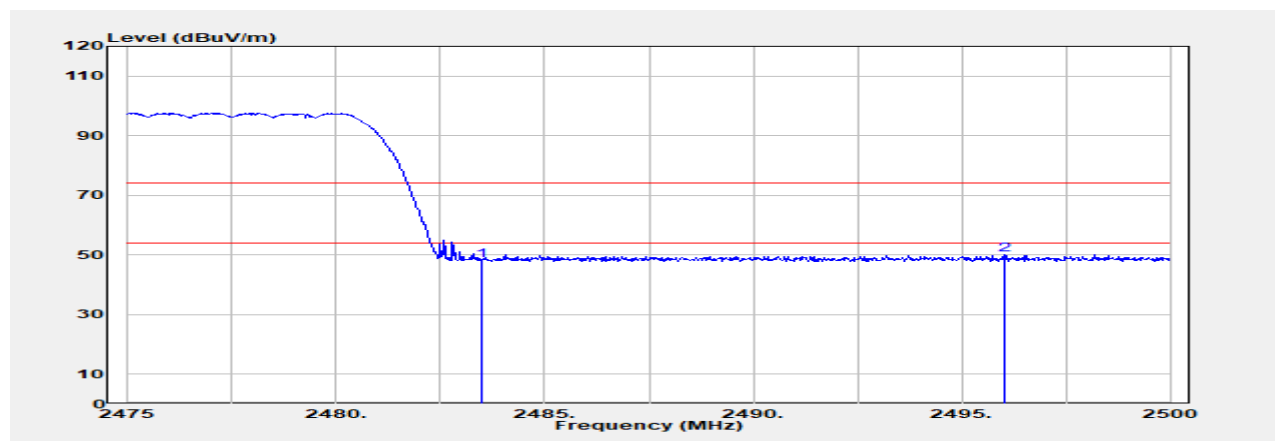
Freq. MHz	Detector Mode PK/QP	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2483.500	Peak	64.99	-3.82	61.17	74.00	-12.83
2483.675	Peak	63.43	-3.82	59.62	74.00	-14.38
Freq. MHz	Detector Mode AV	Peak Actual FS (dBμV/m)	Duty Cycle Factor (dB)	Average Value (dBuV/m)	Average Limit@3m (dBuV/m)	Margin (dB)
2483.500	Average	61.17	-20.54	40.63	54.00	-13.37
2483.675	Average	59.62	-20.54	39.08	54.00	-14.92

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Report Number :TERF2208001574E2
 Operation Mode :BT EDR 2M Hopping
 Test Frequency :2480 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC G
 Test Date :2022-09-20
 Temp./Humi. :21.6/62
 Antenna Pol. :Vertical
 Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2483.500	Peak	51.99	-3.82	48.17	74.00	-25.83
2496.025	Peak	53.99	-3.76	50.22	74.00	-23.78

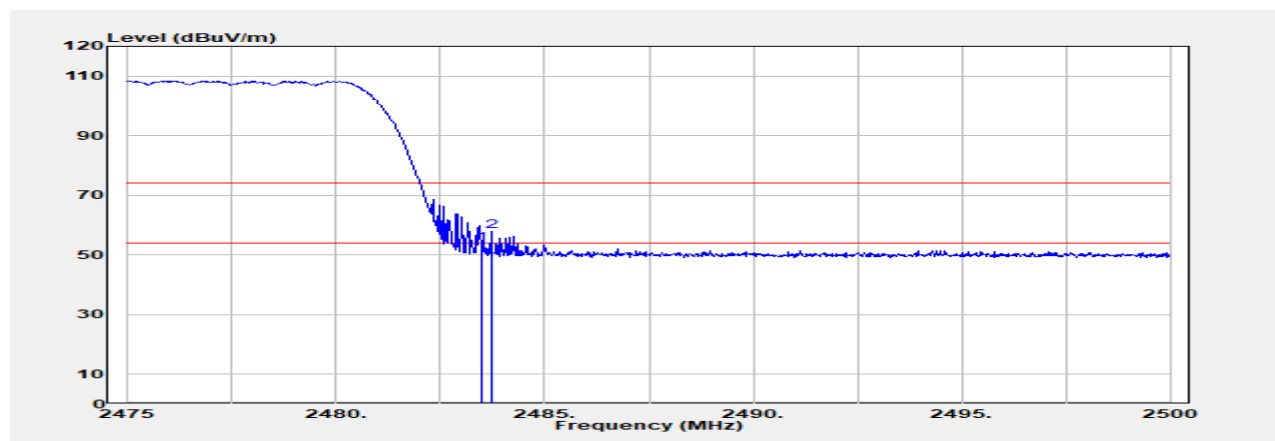
Freq. MHz	Detector Mode AV	Peak Actual FS (dBμV/m)	Duty Cycle Factor (dB)	Average Value (dBμV/m)	Average Limit@3m (dBμV/m)	Margin (dB)
2483.500	Average	48.17	-20.54	27.63	54.00	-26.37
2496.025	Average	50.22	-20.54	29.68	54.00	-24.32

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Report Number :TERF2208001574E2
 Operation Mode :BT EDR 2M Hopping
 Test Frequency :2480 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC G
 Test Date :2022-09-20
 Temp./Humi. :21.6/62
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2483.500	Peak	57.44	-3.82	53.62	74.00	-20.38
2483.725	Peak	61.78	-3.82	57.97	74.00	-16.03
Freq. MHz	Detector Mode AV	Peak Actual FS (dBμV/m)	Duty Cycle Factor (dB)	Average Value (dBμV/m)	Average Limit@3m (dBμV/m)	Margin (dB)
2483.500	Average	53.62	-20.54	33.08	54.00	-20.92
2483.725	Average	57.97	-20.54	37.43	54.00	-16.57

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7.7.4 Radiated Spurious Emission

Report Number :TERF2208001574E2

Test Site :SAC G

Operation Mode :BT BR

Test Date :2022-09-29

Test Frequency :2441 MHz

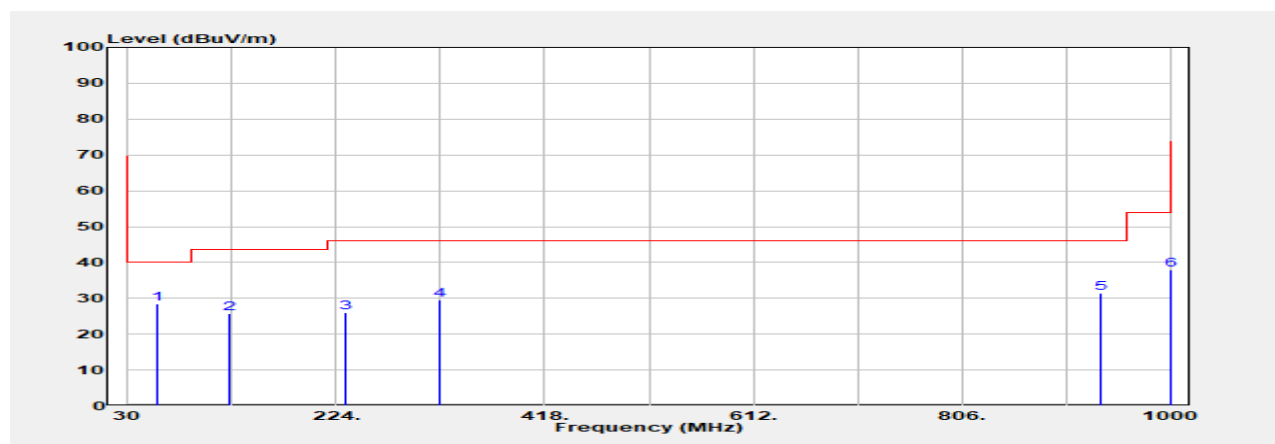
Temp./Humi. :20.6/69

Test Mode :Tx

Antenna Pol. :VERTICAL

EUT Pol :E2 Plan

Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP/AVG	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
58.130	Peak	41.89	-13.44	28.45	40.00	-11.55
124.090	Peak	40.68	-15.03	25.65	43.50	-17.85
232.730	Peak	41.27	-15.32	25.95	46.00	-20.05
320.030	Peak	41.33	-11.71	29.62	46.00	-16.38
935.980	Peak	31.78	-0.24	31.54	46.00	-14.46
1000.000	Peak	39.97	-2.01	37.96	54.00	-16.04

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Report Number :TERF2208001574E2

Test Site :SAC G

Operation Mode :BT BR

Test Date :2022-09-29

Test Frequency :2441 MHz

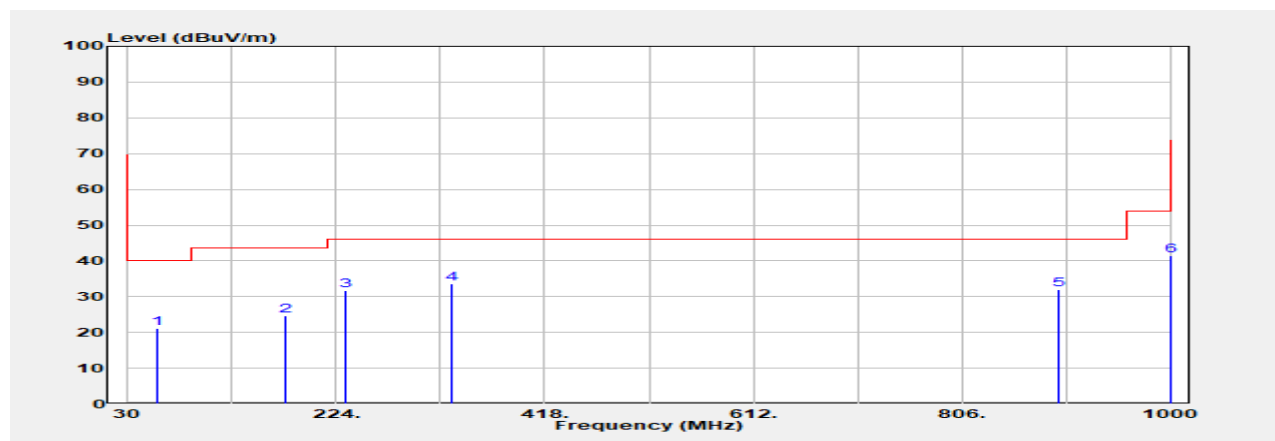
Temp./Humi. :20.6/69

Test Mode :Tx

Antenna Pol. :HORIZONTAL

EUT Pol :E2 Plan

Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP/AVG	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
57.160	Peak	34.66	-13.41	21.25	40.00	-18.75
177.440	Peak	38.74	-14.19	24.54	43.50	-18.96
232.730	Peak	47.12	-15.32	31.80	46.00	-14.20
331.670	Peak	45.17	-11.61	33.56	46.00	-12.44
897.180	Peak	33.92	-2.01	31.90	46.00	-14.10
1000.000	Peak	43.46	-2.01	41.45	54.00	-12.55

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Report Number :TERF2208001574E2

Test Site :SAC G

Operation Mode :BT EDR

Test Date :2022-09-29

Test Frequency :2441 MHz

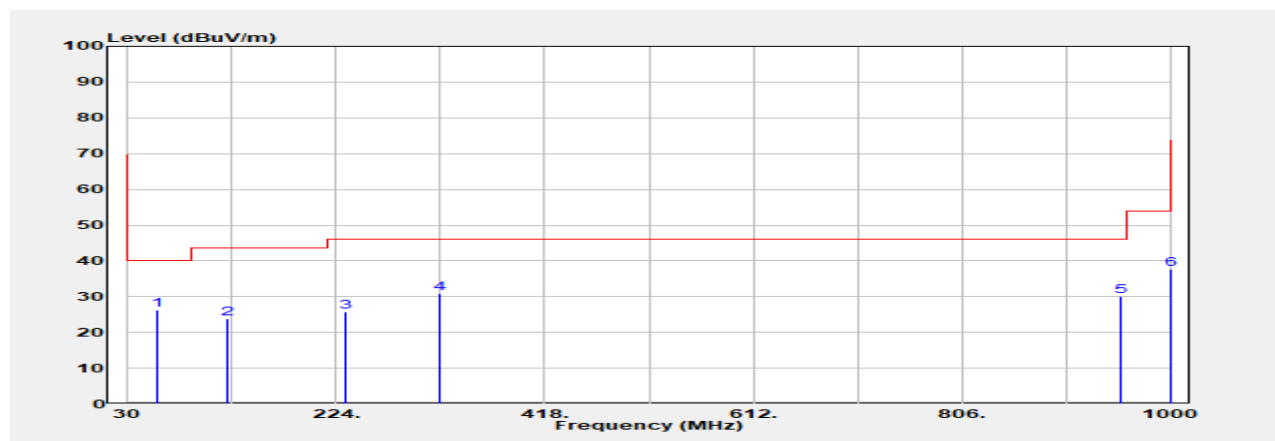
Temp./Humi. :20.6/69

Test Mode :Tx

Antenna Pol. :VERTICAL

EUT Pol :E2 Plan

Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP/AVG	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
57.160	Peak	39.79	-13.41	26.38	40.00	-13.62
122.150	Peak	39.01	-15.06	23.95	43.50	-19.55
232.730	Peak	41.07	-15.32	25.75	46.00	-20.25
321.000	Peak	42.54	-11.72	30.82	46.00	-15.18
954.410	Peak	29.50	0.61	30.11	46.00	-15.89
1000.000	Peak	39.63	-2.01	37.62	54.00	-16.38

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Report Number :TERF2208001574E2

Test Site :SAC G

Operation Mode :BT EDR

Test Date :2022-09-29

Test Frequency :2441 MHz

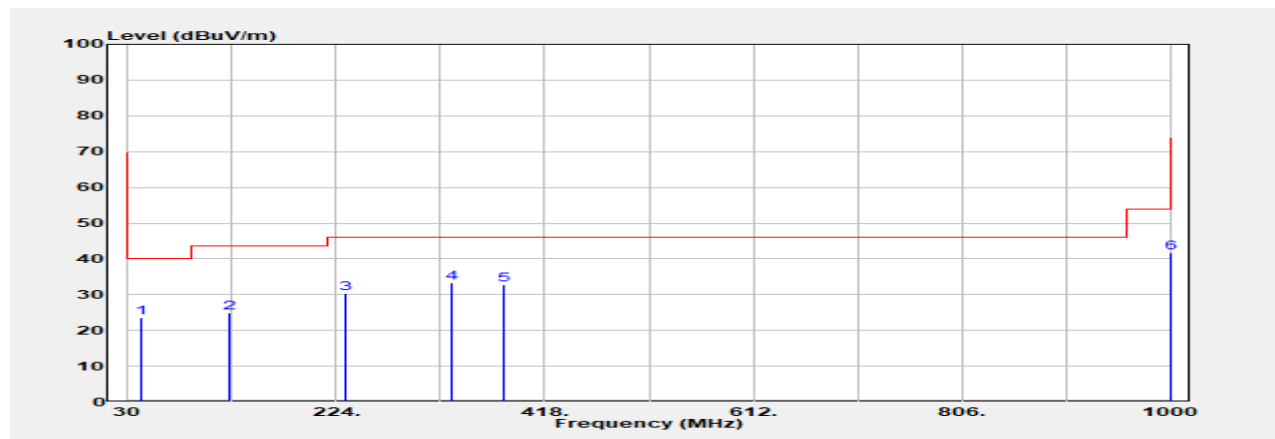
Temp./Humi. :20.6/69

Test Mode :Tx

Antenna Pol. :HORIZONTAL

EUT Pol :E2 Plan

Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP/AVG	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
41.640	Peak	36.72	-13.21	23.51	40.00	-16.49
124.090	Peak	39.94	-15.03	24.91	43.50	-18.59
232.730	Peak	45.65	-15.32	30.33	46.00	-15.67
330.700	Peak	44.99	-11.64	33.35	46.00	-12.65
379.200	Peak	43.19	-10.37	32.82	46.00	-13.18
1000.000	Peak	43.87	-2.01	41.86	54.00	-12.14

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Report Number :TERF2208001574E2

Test Site :SAC G

Operation Mode :BT BR

Test Date :2022-09-20

Test Frequency :2402 MHz

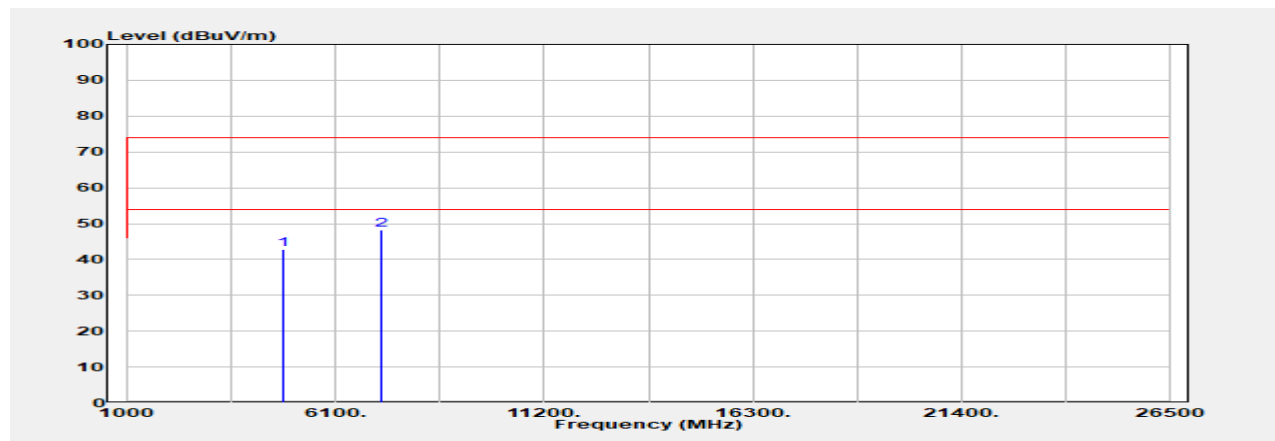
Temp./Humi. :21.6/62

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
4804.000	Peak	39.43	3.44	42.86	74.00	-31.14
7206.000	Peak	40.82	7.31	48.13	74.00	-25.87

Freq. MHz	Detector Mode AV	Peak Actual FS (dB μ V/m)	Duty Cycle Factor (dB)	Average Value (dBuV/m)	Average Limit@3m (dBuV/m)	Margin (dB)
4804.000	Average	42.86	-21.41	21.45	54.00	-32.55
7206.000	Average	48.13	-21.41	26.72	54.00	-27.28

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Report Number :TERF2208001574E2

Test Site :SAC G

Operation Mode :BT BR

Test Date :2022-09-20

Test Frequency :2402 MHz

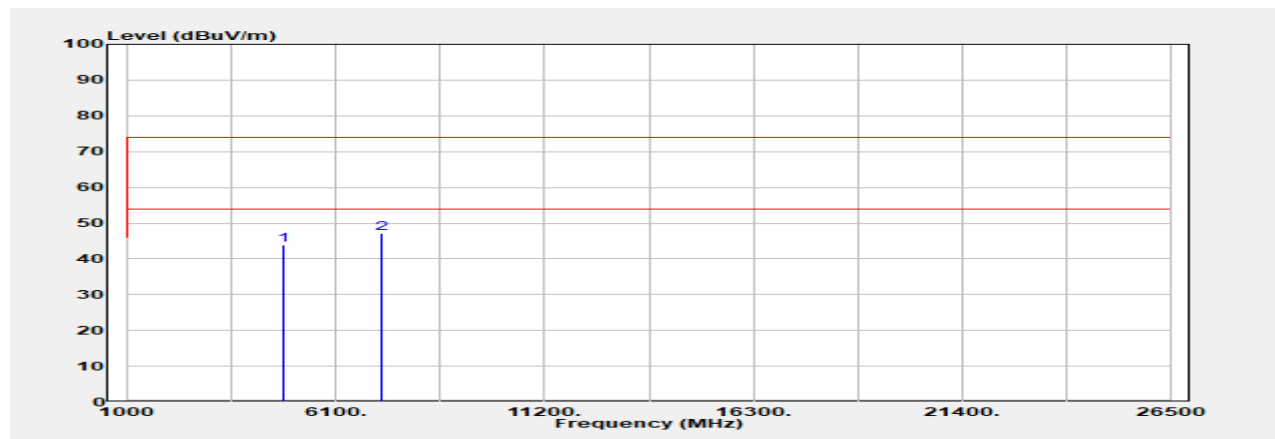
Temp./Humi. :21.6/62

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
4804.000	Peak	40.55	3.44	43.99	74.00	-30.01
7206.000	Peak	39.80	7.31	47.10	74.00	-26.90
Freq. MHz	Detector Mode AV	Peak Actual FS (dB μ V/m)	Duty Cycle Factor (dB)	Average Value (dBuV/m)	Average Limit@3m (dBuV/m)	Margin (dB)
4804.000	Average	43.99	-21.41	22.58	54.00	-31.42
7206.000	Average	47.10	-21.41	25.69	54.00	-28.31

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Report Number :TERF2208001574E2

Test Site :SAC G

Operation Mode :BT BR

Test Date :2022-09-20

Test Frequency :2441 MHz

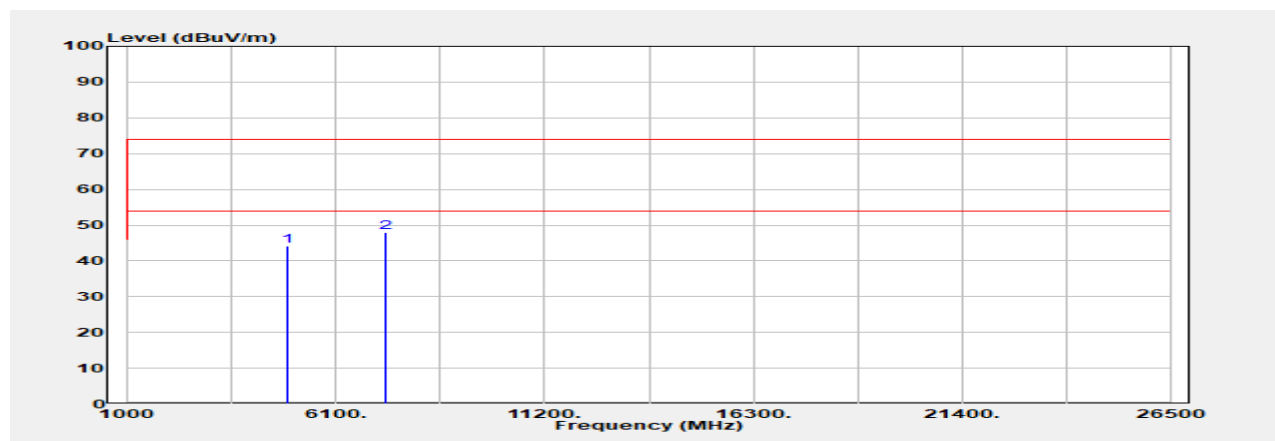
Temp./Humi. :21.6/62

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
4882.000	Peak	40.71	3.55	44.26	74.00	-29.74
7323.000	Peak	40.36	7.66	48.02	74.00	-25.98
Freq. MHz	Detector Mode AV	Peak Actual FS (dB μ V/m)	Duty Cycle Factor (dB)	Average Value (dBuV/m)	Average Limit@3m (dBuV/m)	Margin (dB)
4882.000	Average	44.26	-21.41	22.85	54.00	-31.15
7323.000	Average	48.02	-21.41	26.61	54.00	-27.39

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Report Number :TERF2208001574E2

Test Site :SAC G

Operation Mode :BT BR

Test Date :2022-09-20

Test Frequency :2441 MHz

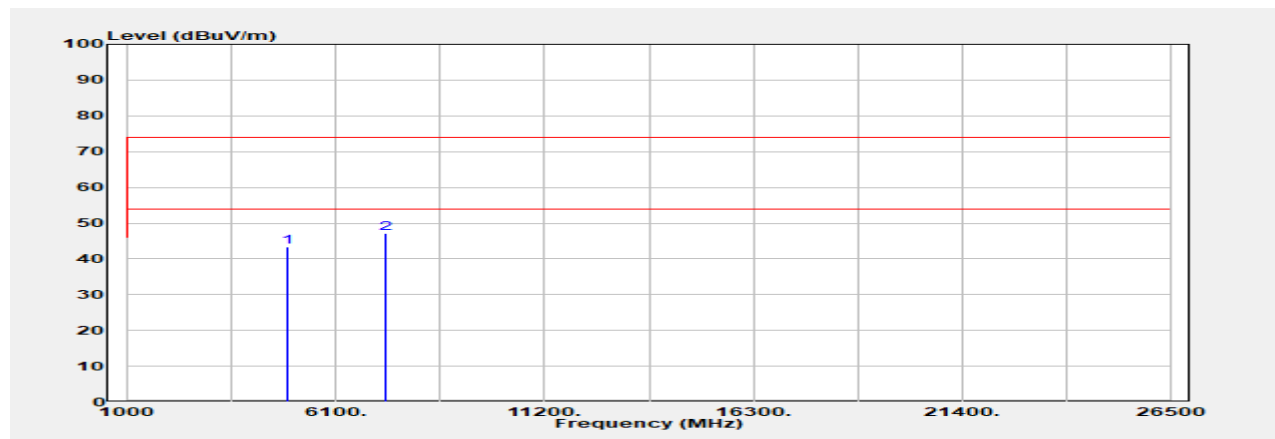
Temp./Humi. :21.6/62

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
4882.000	Peak	39.77	3.55	43.32	74.00	-30.68
7323.000	Peak	39.40	7.66	47.06	74.00	-26.94
Freq. MHz	Detector Mode AV	Peak Actual FS (dB μ V/m)	Duty Cycle Factor (dB)	Average Value (dBuV/m)	Average Limit@3m (dBuV/m)	Margin (dB)
4882.000	Average	43.32	-21.41	21.91	54.00	-32.09
7323.000	Average	47.06	-21.41	25.65	54.00	-28.35

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Report Number :TERF2208001574E2

Test Site :SAC G

Operation Mode :BT BR

Test Date :2022-09-20

Test Frequency :2480 MHz

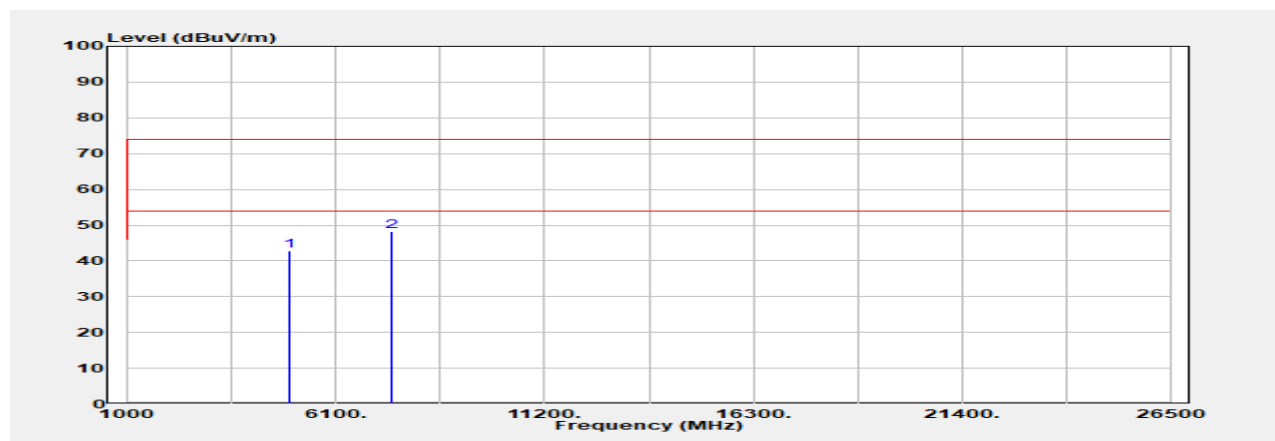
Temp./Humi. :21.6/62

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
4960.000	Peak	39.22	3.58	42.80	74.00	-31.20
7440.000	Peak	40.12	8.19	48.31	74.00	-25.69
Freq. MHz	Detector Mode AV	Peak Actual FS (dB μ V/m)	Duty Cycle Factor (dB)	Average Value (dBuV/m)	Average Limit@3m (dBuV/m)	Margin (dB)
4960.000	Average	42.80	-21.41	21.39	54.00	-32.61
7440.000	Average	48.31	-21.41	26.90	54.00	-27.10

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Report Number :TERF2208001574E2

Test Site :SAC G

Operation Mode :BT BR

Test Date :2022-09-20

Test Frequency :2480 MHz

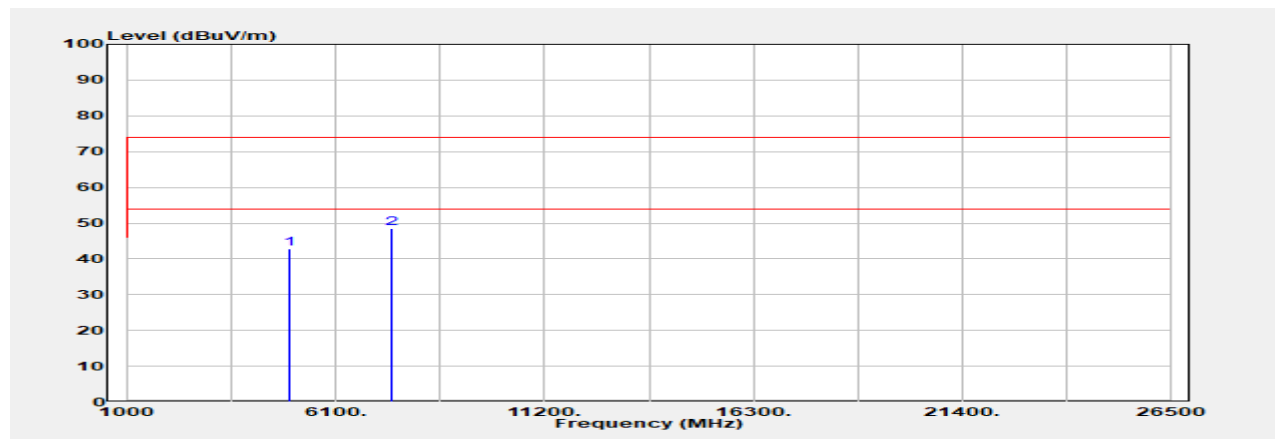
Temp./Humi. :21.6/62

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
4960.000	Peak	39.20	3.58	42.78	74.00	-31.22
7440.000	Peak	40.44	8.19	48.63	74.00	-25.37

Freq. MHz	Detector Mode AV	Peak Actual FS (dBμV/m)	Duty Cycle Factor (dB)	Average Value (dBuV/m)	Average Limit@3m (dBuV/m)	Margin (dB)
4960.000	Average	42.78	-21.41	21.37	54.00	-32.63
7440.000	Average	48.63	-21.41	27.22	54.00	-26.78

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Member of SGS Group

Report Number :TERF2208001574E2

Test Site :SAC G

Operation Mode :BT EDR 2M

Test Date :2022-09-20

Test Frequency :2402 MHz

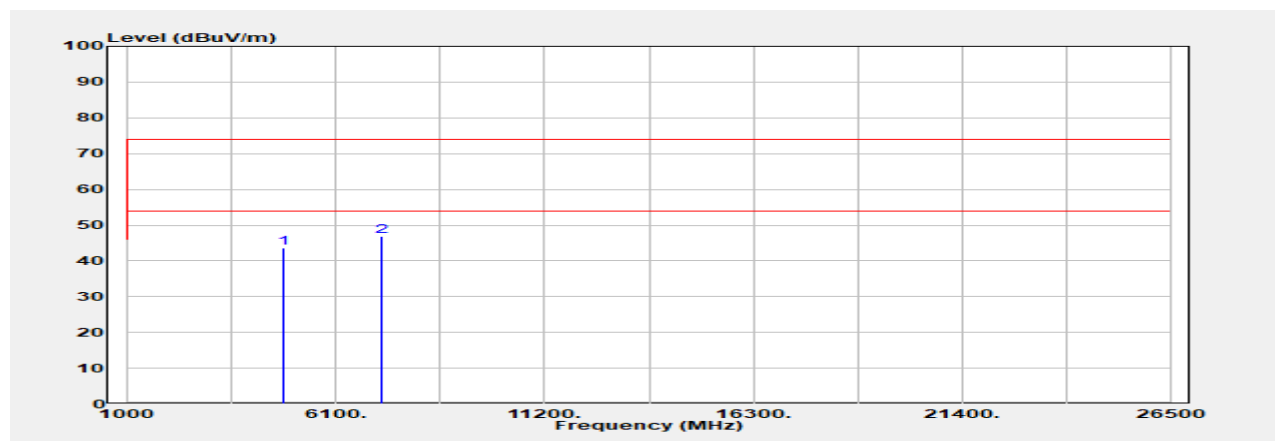
Temp./Humi. :21.6/62

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
4804.000	Peak	40.18	3.44	43.62	74.00	-30.38
7206.000	Peak	39.64	7.31	46.95	74.00	-27.05
Freq. MHz	Detector Mode AV	Peak Actual FS (dB μ V/m)	Duty Cycle Factor (dB)	Average Value (dBuV/m)	Average Limit@3m (dBuV/m)	Margin (dB)
4804.000	Average	43.62	-20.54	23.08	54.00	-30.92
7206.000	Average	46.95	-20.54	26.41	54.00	-27.59

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Report Number :TERF2208001574E2

Test Site :SAC G

Operation Mode :BT EDR 2M

Test Date :2022-09-20

Test Frequency :2402 MHz

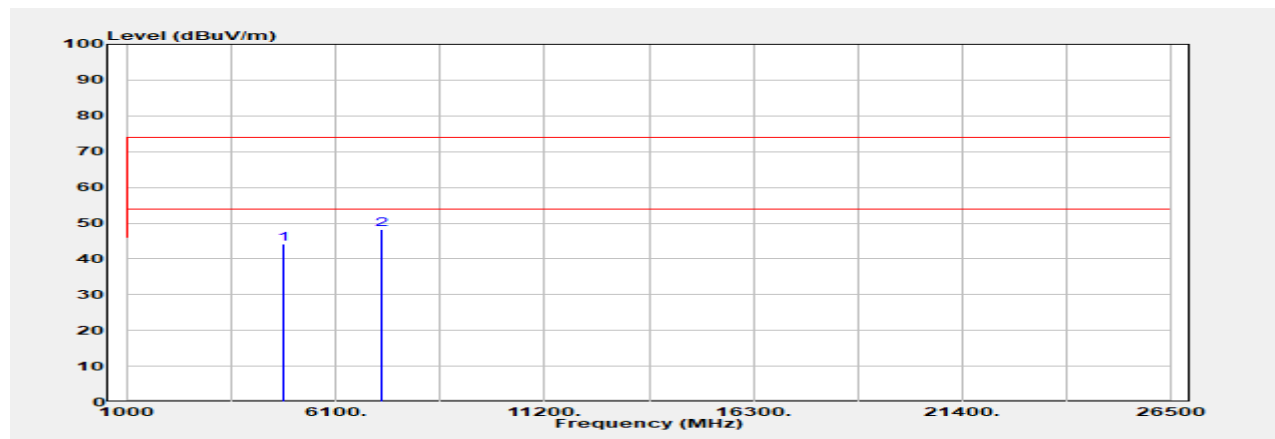
Temp./Humi. :21.6/62

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
4804.000	Peak	40.73	3.44	44.16	74.00	-29.84
7206.000	Peak	40.84	7.31	48.14	74.00	-25.86
Freq. MHz	Detector Mode AV	Peak Actual FS (dB μ V/m)	Duty Cycle Factor (dB)	Average Value (dBuV/m)	Average Limit@3m (dBuV/m)	Margin (dB)
4804.000	Average	44.16	-20.54	23.62	54.00	-30.38
7206.000	Average	48.14	-20.54	27.60	54.00	-26.40

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Report Number :TERF2208001574E2

Test Site :SAC G

Operation Mode :BT EDR 2M

Test Date :2022-09-20

Test Frequency :2441 MHz

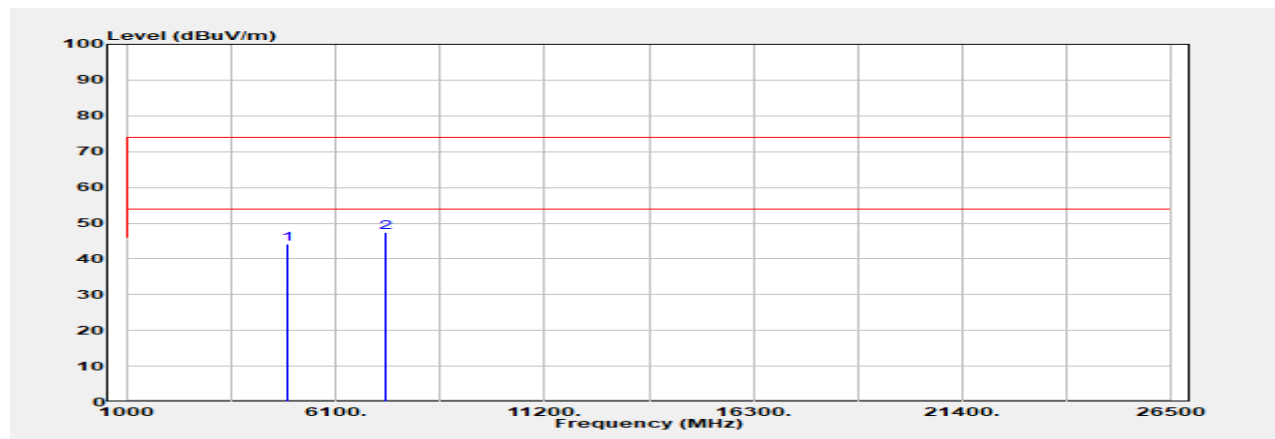
Temp./Humi. :21.6/62

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
4882.000	Peak	40.53	3.55	44.08	74.00	-29.92
7323.000	Peak	39.77	7.66	47.43	74.00	-26.57
Freq. MHz	Detector Mode AV	Peak Actual FS (dB μ V/m)	Duty Cycle Factor (dB)	Average Value (dBuV/m)	Average Limit@3m (dBuV/m)	Margin (dB)
4882.000	Average	44.08	-20.54	23.54	54.00	-30.46
7323.000	Average	47.43	-20.54	26.89	54.00	-27.11

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Report Number :TERF2208001574E2

Test Site :SAC G

Operation Mode :BT EDR 2M

Test Date :2022-09-20

Test Frequency :2441 MHz

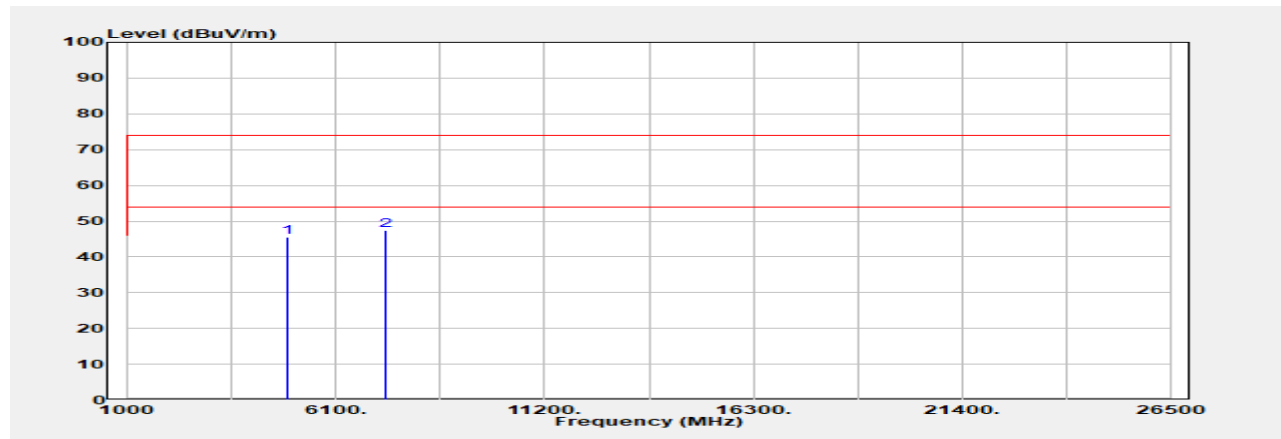
Temp./Humi. :21.6/62

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
4882.000	Peak	42.03	3.55	45.58	74.00	-28.42
7323.000	Peak	39.86	7.66	47.52	74.00	-26.48
Freq. MHz	Detector Mode AV	Peak Actual FS (dB μ V/m)	Duty Cycle Factor (dB)	Average Value (dBuV/m)	Average Limit@3m (dBuV/m)	Margin (dB)
4882.000	Average	45.58	-20.54	25.04	54.00	-28.96
7323.000	Average	47.52	-20.54	26.98	54.00	-27.02

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Report Number :TERF2208001574E2

Test Site :SAC G

Operation Mode :BT EDR 2M

Test Date :2022-09-20

Test Frequency :2480 MHz

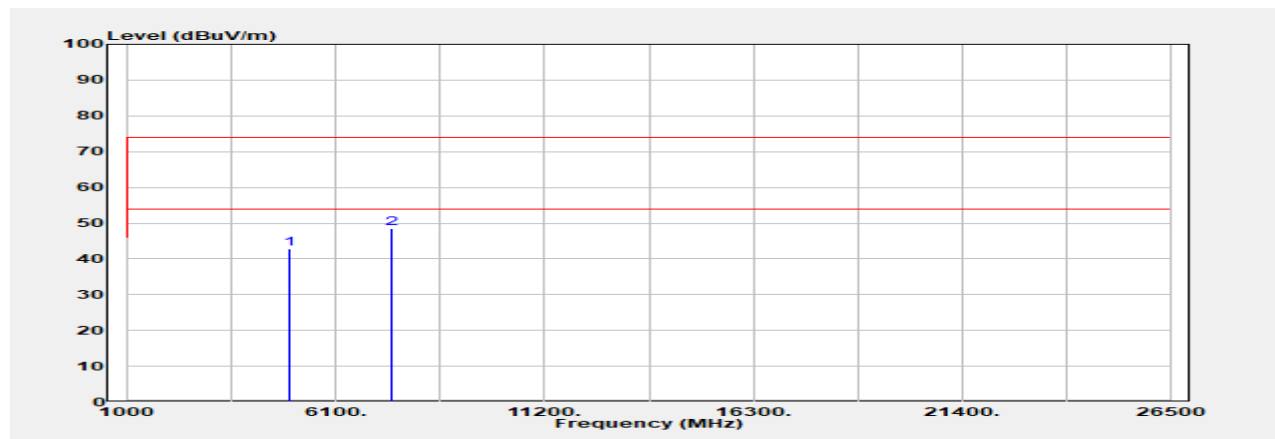
Temp./Humi. :21.6/62

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
4960.000	Peak	39.13	3.58	42.71	74.00	-31.29
7440.000	Peak	40.45	8.19	48.64	74.00	-25.36
Freq. MHz	Detector Mode AV	Peak Actual FS (dB μ V/m)	Duty Cycle Factor (dB)	Average Value (dBuV/m)	Average Limit@3m (dBuV/m)	Margin (dB)
4960.000	Average	42.71	-20.54	22.17	54.00	-31.83
7440.000	Average	48.64	-20.54	28.10	54.00	-25.90

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Report Number :TERF2208001574E2

Test Site :SAC G

Operation Mode :BT EDR 2M

Test Date :2022-09-20

Test Frequency :2480 MHz

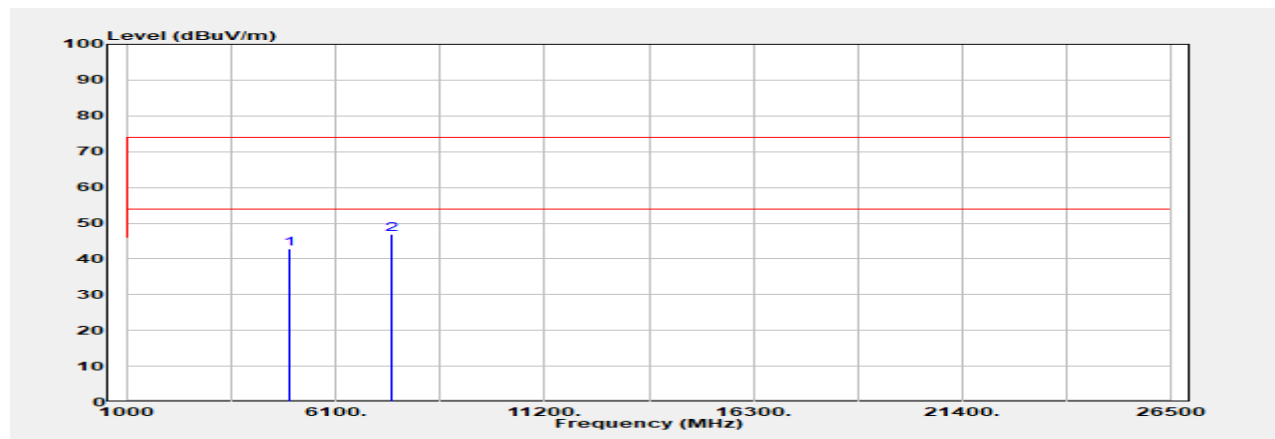
Temp./Humi. :21.6/62

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Temo Chen



Freq. MHz	Detector Mode PK/QP	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
4960.000	Peak	39.14	3.58	42.72	74.00	-31.28
7440.000	Peak	38.59	8.19	46.78	74.00	-27.22
Freq. MHz	Detector Mode AV	Peak Actual FS (dB μ V/m)	Duty Cycle Factor (dB)	Average Value (dBuV/m)	Average Limit@3m (dBuV/m)	Margin (dB)
4960.000	Average	42.72	-20.54	22.18	54.00	-31.82
7440.000	Average	46.78	-20.54	26.24	54.00	-27.76

~ End of Report ~

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