FCC Test Report

Report No.: AGC01125180408FE03

FCC ID	:	2AM9IPI0IOMTP00200
APPLICATION PURPOSE	:	Original Equipment
PRODUCT DESIGNATION	:	Master Target
BRAND NAME	:	IOTargeting
MODEL NAME	:	PI0IOMTP00200, PI0IOMTA00200
CLIENT	:	IoTargeting, LLC.
DATE OF ISSUE	:	Jun. 07, 2018
STANDARD(S)	:	FCC Part 15.247
REPORT VERSION	:	V1.0

Attestation of ***G***lobal ***C***ompliance (Shenzhen) Co., Ltd

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REPORT REVISE RECORD

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Jun. 07, 2018	Valid	Initial Release

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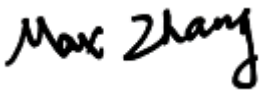
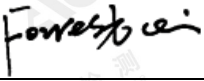
1. VERIFICATION OF COMPLIANCE

Applicant	IoTargeting, LLC.
Address	511 N Washington Ave, Marshall, Texas, USA 75670.
Manufacturer	System Level Solutions (India) Pvt. Ltd
Address	Plot#32, Zone-D/4, Phase-1, GIDC Estate,V.U. Nagar - 388 121, Gujarat, India
Product Designation	Master Target
Brand Name	IOTargeting
Test Model	PI0IOMTP00200
Series Model	PI0IOMTA00200
Difference description	The series model contains front part of Enclosure made from Aluminum instead of Plastic. Two products had been pre-tested, the PI0IOMTP00200 was the worst case which recorded in the report
Date of test	May 25, 2018 to Jun. 07, 2018
Deviation	None
Condition of Test Sample	Normal
Test Result	Pass
Report Template	AGCRT-US-BLE/RF

We hereby certify that:
The above equipment was tested by Attestation of Global Compliance (Shenzhen) Co., Ltd. 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 tested as described in this report is in compliance with radiated emission limits of FCC part 15.247.

Tested By 
Max Zhang(Zhang Yi) Jun. 07, 2018

Reviewed By 
Bart Xie(Xie Xiaobin) Jun. 07, 2018

Approved By 
Forrest Lei(Lei Yonggang) Jun. 07, 2018
Authorized Officer

2.GENERAL INFORMATION

2.1PRODUCT DESCRIPTION

The EUT is designed as a “Master Target ”. It is designed by way of utilizing the O-QPSK technology to achieve the system operation.

A major technical description of EUT is described as following

Operation Frequency	2405~2480MHZ
RF Output Power	7.831dBm(Max)
Modulation	O-QPSK
Number of channels	16 Channel
Antenna Designation	PCB Antenna
Antenna Gain	-3dBi
Hardware Version	REV1B
Software Version	V1.0
Power Supply	DC 6V by battery

2.2. TABLE OF CARRIER FREQUENCYS

Frequency Band	Channel Number	Frequency
2400~2483.5MHZ	0	2405MHZ
	1	2410MHZ
	:	:
	14	2475MHZ
	15	2480MHZ

2.3 RELATED SUBMITTAL(S)/GRANT(S)

This submittal(s) (test report) is intended for **FCC ID: 2AM9IPI0IOMTP00200** filing to comply with the FCC Part 15.247 requirements.

2.4TEST METHODOLOGY

Both conducted and radiated testing was performed according to the procedures in ANSI C63.10 (2013). Radiated testing was performed at an antenna to EUT distance 3 meters.

2.5 SPECIAL ACCESSORIES

Refer to section 2.2.

2.6 EQUIPMENT MODIFICATIONS

Not available for this EUT intended for grant.

3. MEASUREMENT UNCERTAINTY

The uncertainty is calculated using the methods suggested in the “Guide to the Expression of Uncertainty in measurement” (GUM) published by CISPR and ANSI.

- Uncertainty of Radiated Emission below 1GHz, Uc = ±3.9 dB
- Uncertainty of Radiated Emission above 1GHz, Uc = ±4.8 dB

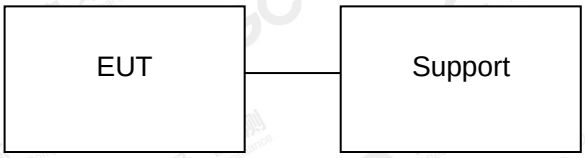
4. DESCRIPTION OF TEST MODES

NO.	TEST MODE DESCRIPTION
1	Low channel TX at 2405MHz
2	Middle channel TX at 2440MHz
3	High channel TX at 2475MHz
4	High channel TX at 2480MHz

Note:
1. Only the result of the worst case was recorded in the report, if no other cases.
2. For Radiated Emission, 3axis were chosen for testing for each applicable mode.

5. SYSTEM TEST CONFIGURATION

5.1 CONFIGURATION OF TESTED SYSTEM



5.2 EQUIPMENT USED IN TESTED SYSTEM

Item	Equipment	Model	ID	Remark
1	Master Target	PI0IOMTP00200	2AM9IPI0IOMTP00200	EUT

5.3. SUMMARY OF TEST RESULTS

FCC RULES	DESCRIPTION OF TEST	RESULT
15.247	Peak Output Power	Compliant
15.247	6 dB Bandwidth	Compliant
15.247	Conducted Spurious Emission and Band Edges	Compliant
15.247	Maximum Conducted Output Power Density	Compliant
15.247&15.209	Radiated Emission	Compliant

6. TEST FACILITY

Test Site	Attestation of Global Compliance (Shenzhen) Co., Ltd
Location	1-2F., Bldg.2, No.1-4, Chaxi Sanwei Technical Industrial Park, Gushu, Xixiang, Bao'an District B112-B113, Bldg.12, Baoan Bldg Materials Center, No.1 of Xixiang Inner Ring Road, Baoan District, Shenzhen 518012
NVLAP LAB CODE	600153-0
Designation Number	CN5028
FCC Test Firm Registration Number	682566
Description	Attestation of Global Compliance(Shenzhen) Co., Ltd is accredited by National Voluntary Laboratory Accreditation program, NVLAP Code 600153-0

TEST EQUIPMENT OF RADIATED EMISSION TEST

Equipment	Manufacturer	Model	S/N	Cal. Date	Cal. Due
TEST RECEIVER	R&S	ESCI	10096	Jun. 20, 2017	Jun. 19, 2018
EXA Signal Analyzer	Aglient	N9010A	MY53470504	Dec .08, 2017	Dec. 07, 2018
2.4GHz Fliter	Micro-tronics	087	N/A	Jun. 20, 2017	Jun. 19, 2018
Horn antenna	SCHWARZBECK	BBHA 9170	#768	Sep. 20, 2017	Sep. 19, 2018
preamplifier	ChengYi	EMC184045SE	980508	Sep. 15, 2017	Sep. 14, 2018
Active loop antenna (9K-30MHz)	A.H.	SAS-562B	N/A	Mar. 01, 2018	Feb. 28, 2019
Double-Ridged Waveguide Horn	ETS LINDGREN	3117	00034609	May 18, 2017	May 17, 2019
Broadband Preamplifier	SCHWARZBECK	BBV 9718	9718-205	Jun. 20, 2017	Jun. 19, 2018
ANTENNA	SCHWARZBECK	VULB9168	D69250	Sep. 28, 2017	Sep. 27, 2018

7. PEAK OUTPUT POWER

7.1. MEASUREMENT PROCEDURE

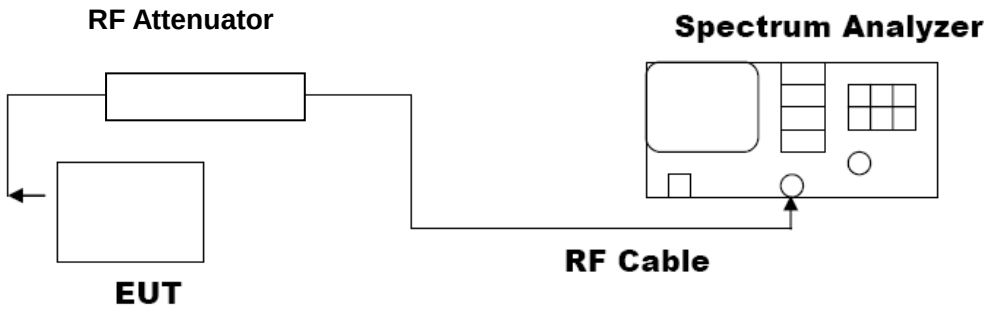
For peak power test:

1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
2. RBW≥DTS bandwidth
3. VBW≥3*RBW.
4. SPAN≥VBW.
5. Sweep: Auto.
6. Detector function: Peak.
7. Trace: Max hold.

Allow trace to stabilize. Use the marker-to-peak function to set the marker to the peak of the emission. The indicated level is the peak output power, after any corrections for external attenuators and cables.

7.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

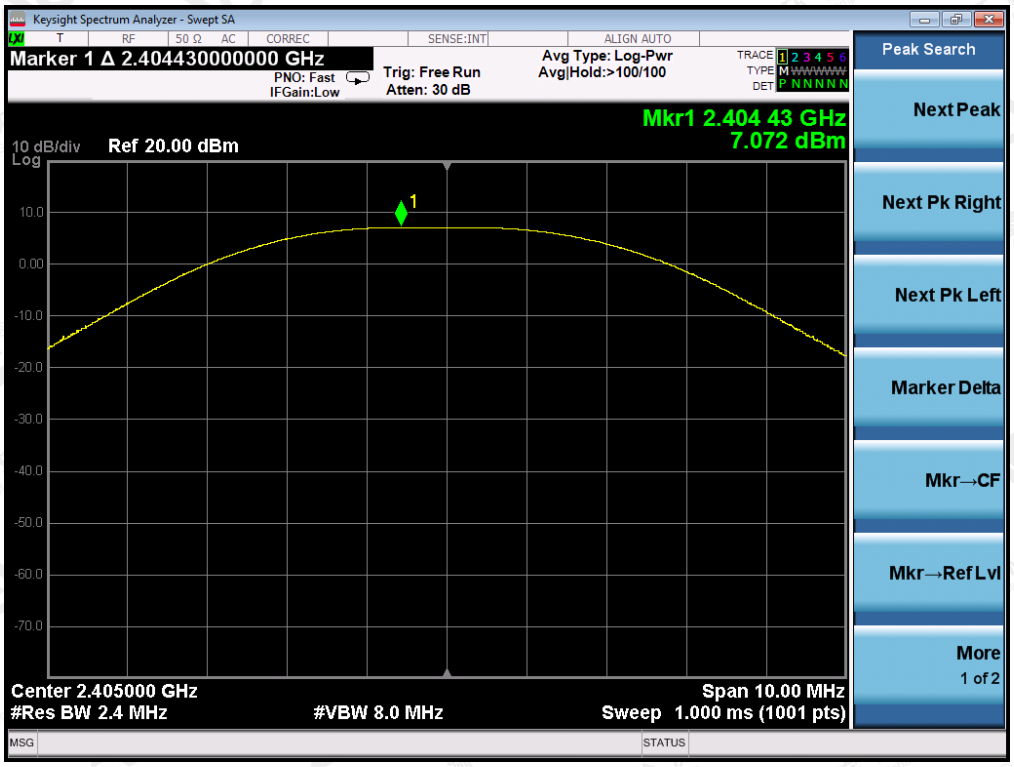
PEAK POWER TEST SETUP



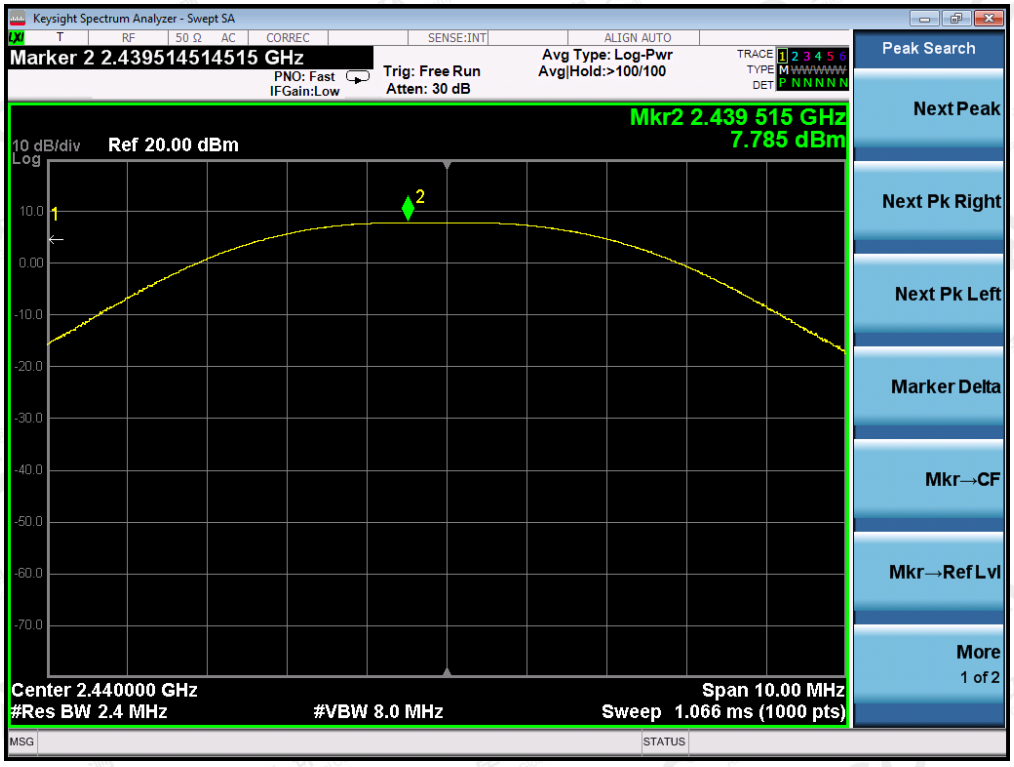
7.3. LIMITS AND MEASUREMENT RESULT

PEAK OUTPUT POWER MEASUREMENT RESULT			
Frequency (GHz)	Peak Power (dBm)	Applicable Limits (dBm)	Pass or Fail
2.405	7.072	30	Pass
2.440	7.785	30	Pass
2475	7.831	30	Pass
2.480	-7.709	30	Pass

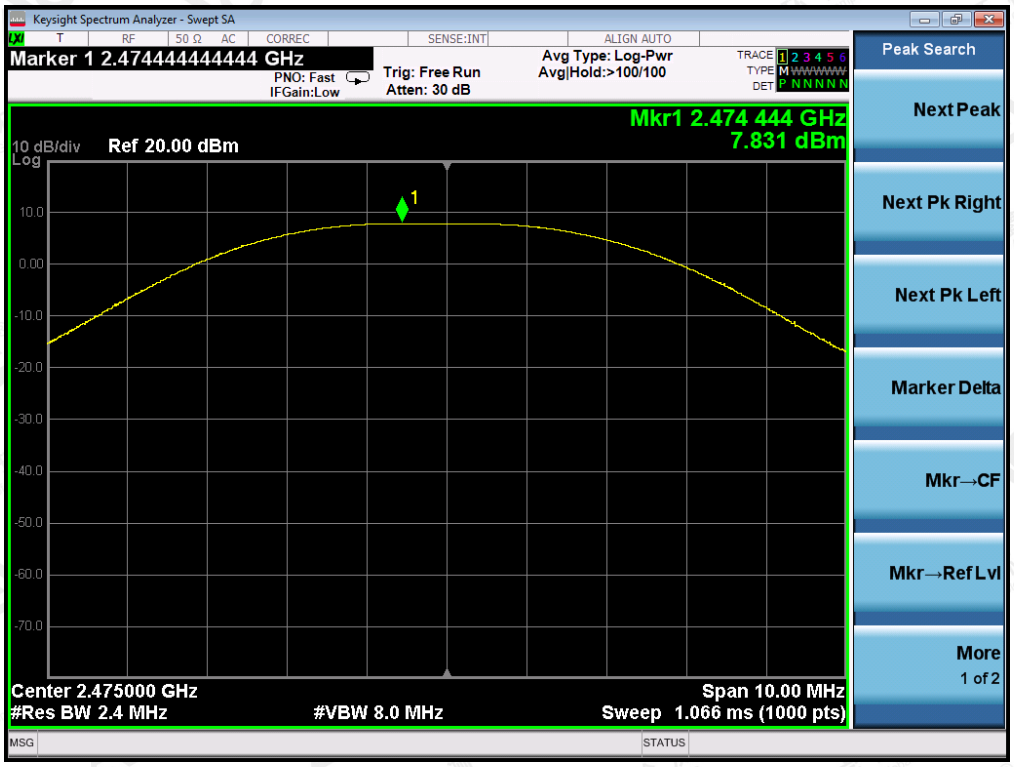
2405MHz



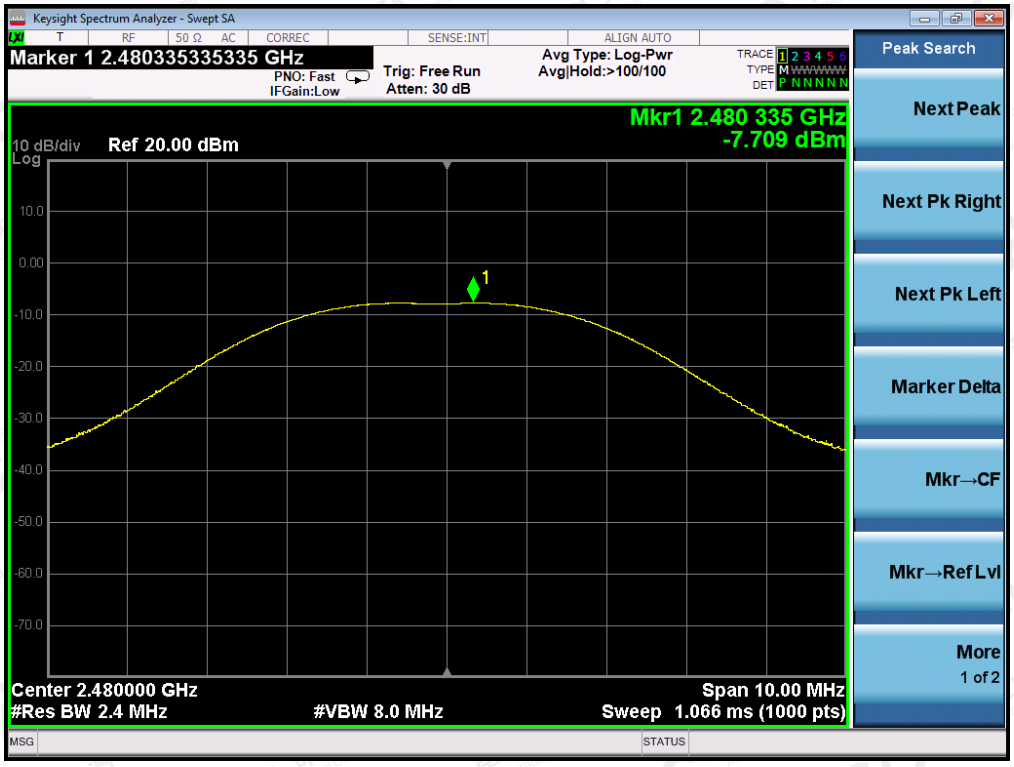
2440MHz



2475MHz



2480MHz



8. 6 DB BANDWIDTH

8.1. MEASUREMENT PROCEDURE

1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
2. Set the EUT Work on the top, the middle and the bottom operation frequency individually.
3. Set SPA Centre Frequency = Operation Frequency, RBW= 100 KHz, VBW≥3×RBW.
4. Set SPA Trace 1 Max hold, then View.

Note: The EUT was tested according to ANSI C63.10 for compliance to FCC PART 15.247 requirements.

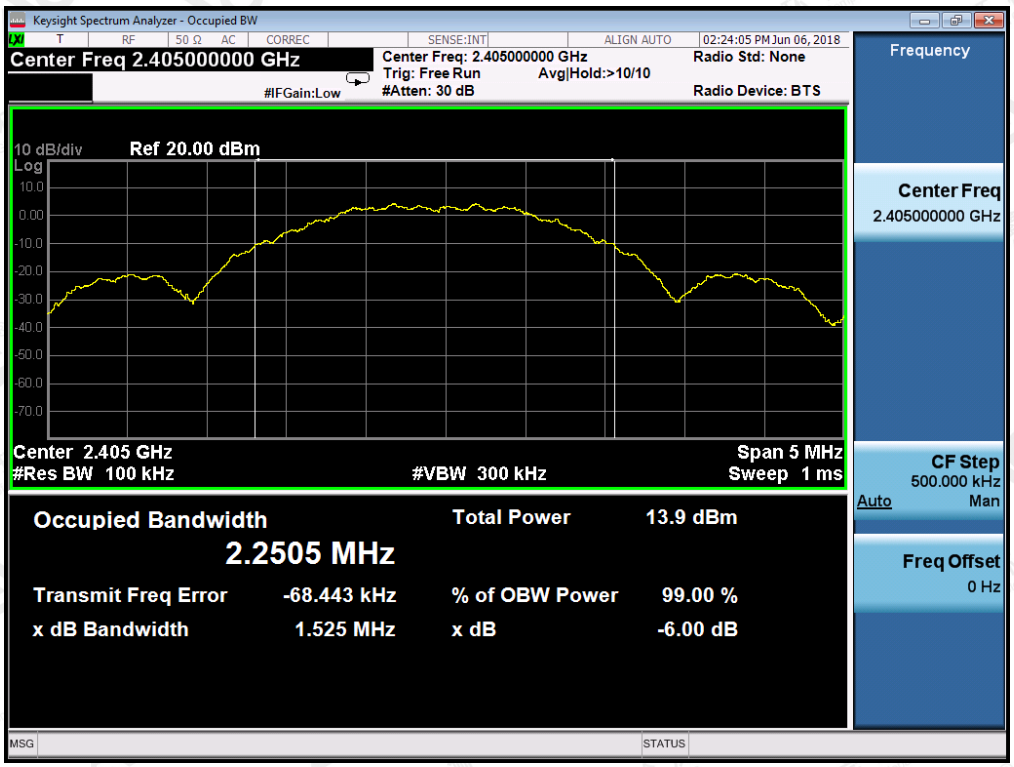
8.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

The same as described in section 7.2.

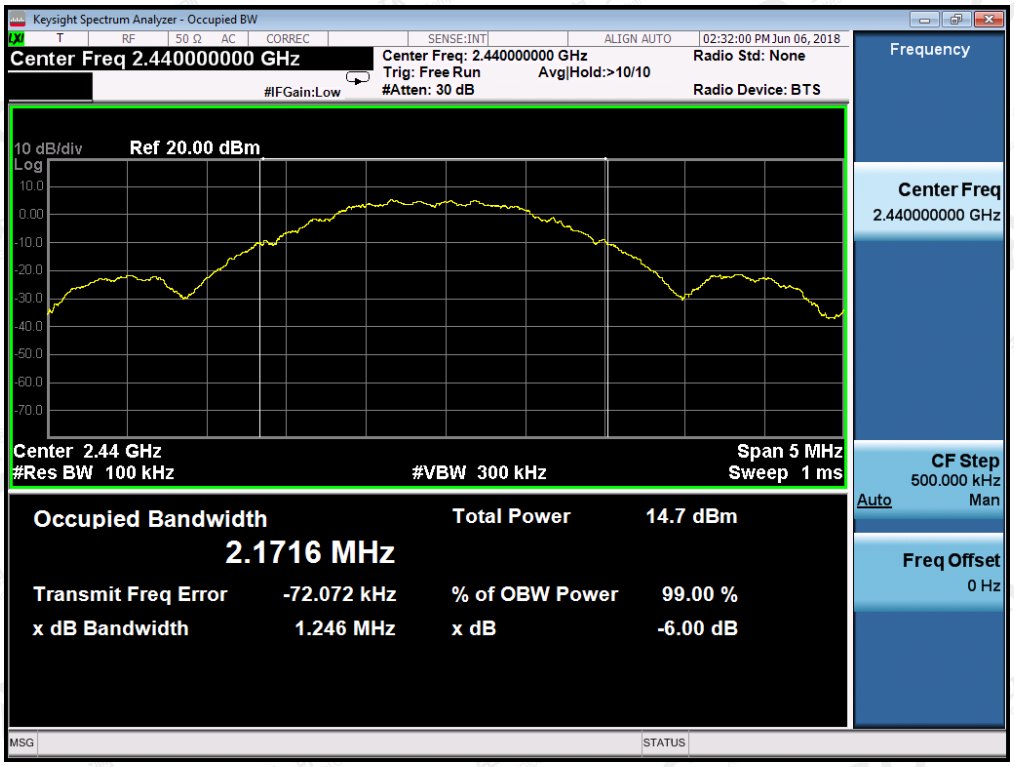
8.3. LIMITS AND MEASUREMENT RESULTS

LIMITS AND MEASUREMENT RESULT			
Applicable Limits	Applicable Limits		
	Test Data (MHz)		Criteria
>500KHZ	2405	1.525	PASS
	2440	1.246	PASS
	2475	1.297	PASS
	2480	1.582	PASS

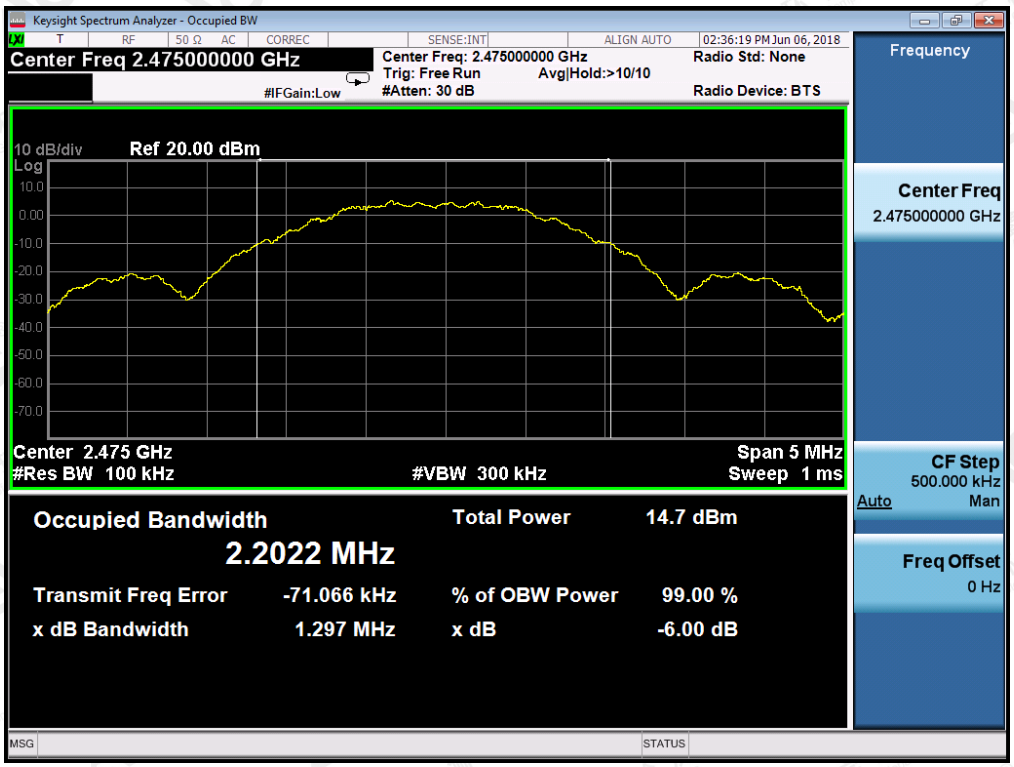
2405MHz



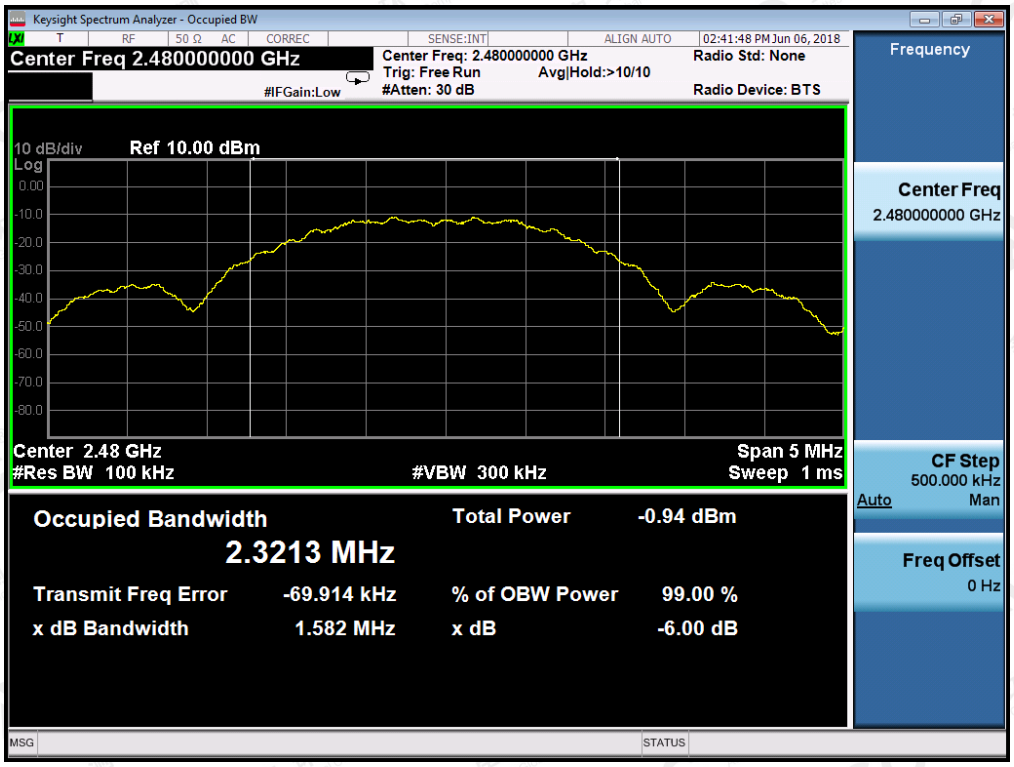
2440MHz



2475MHz



2480MHz



9. CONDUCTED SPURIOUS EMISSION

9.1. MEASUREMENT PROCEDURE

1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
2, Set the EUT Work on the top, the middle and the bottom operation frequency individually.
3. Set SPA Trace 1 Max hold, then View.

Note: The EUT was tested according to ANSI C63.10 for compliance to FCC PART 15.247 requirements.

9.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

The same as described in section 7.2.

9.3. MEASUREMENT EQUIPMENT USED

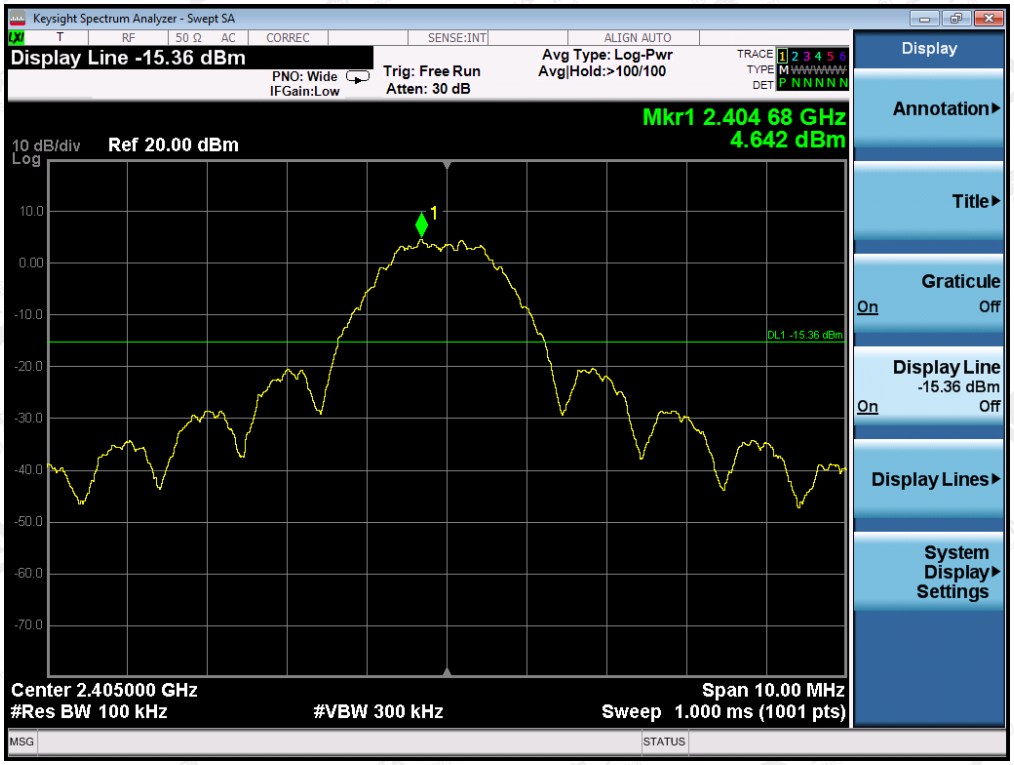
The same as described in section 6.

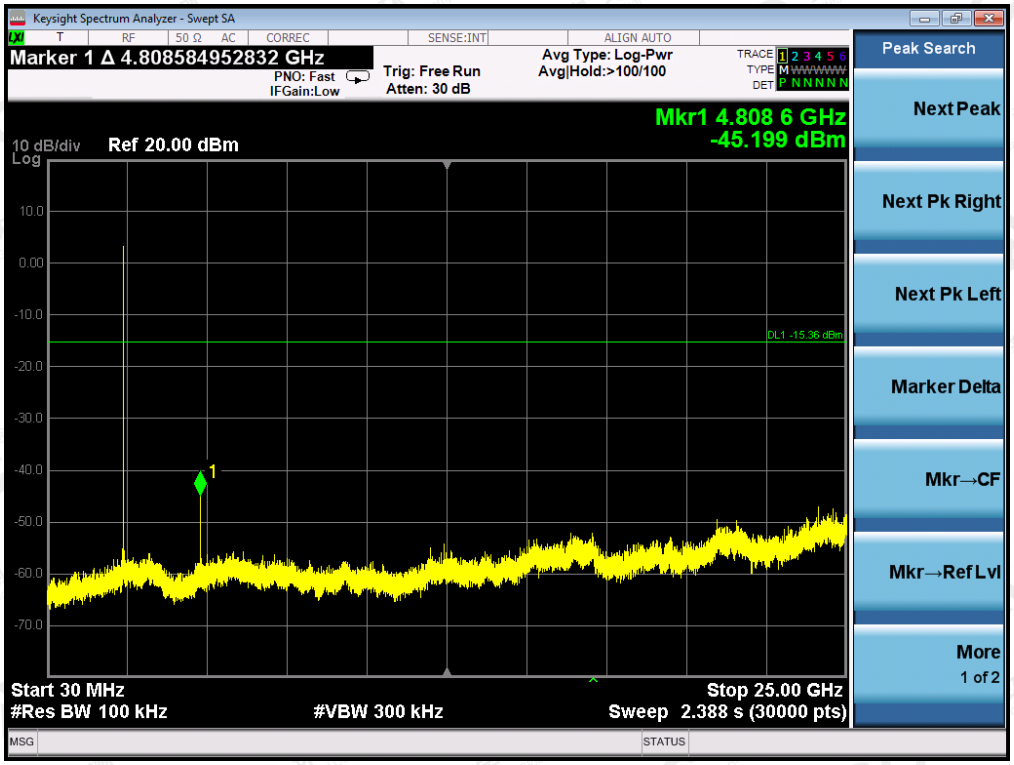
9.4. LIMITS AND MEASUREMENT RESULT

LIMITS AND MEASUREMENT RESULT		
Applicable Limits	**Measurement Result**	
	Test Data	**Criteria**
In any 100 KHz Bandwidth Outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produce by the intentional radiator shall be at least 20 dB below that in 100KHz bandwidth within the band that contains the highest level of the desired power.	At least -20dBc than the reference level	PASS

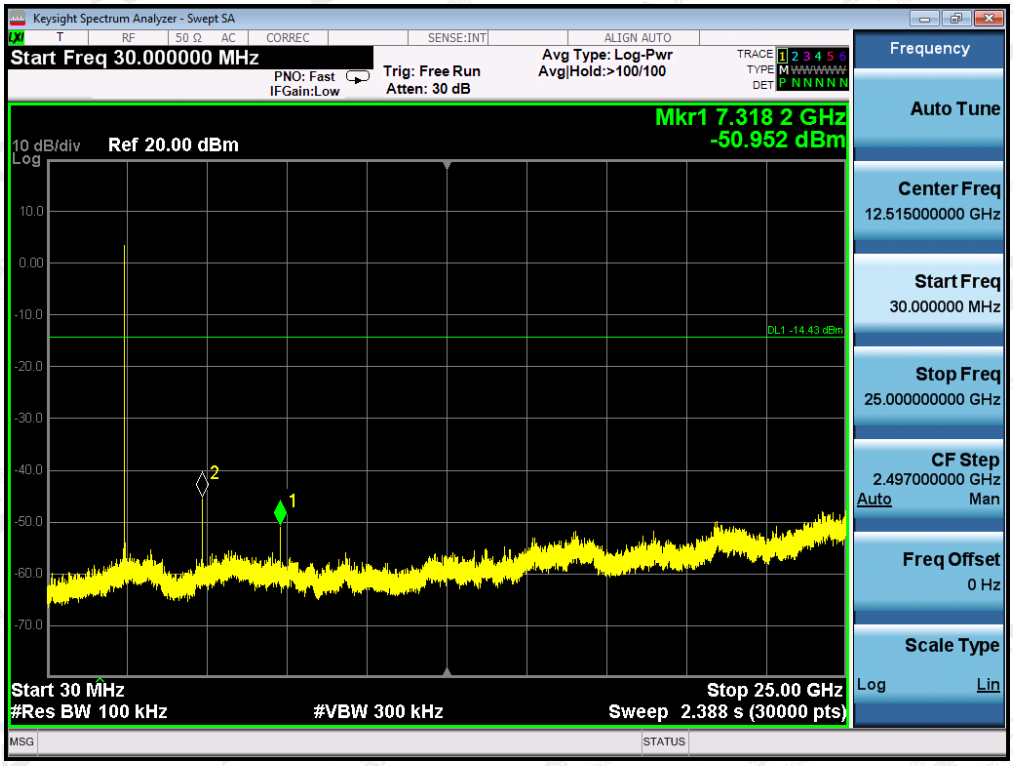
TEST RESULT FOR ENTIRE FREQUENCY RANGE

2405MHz

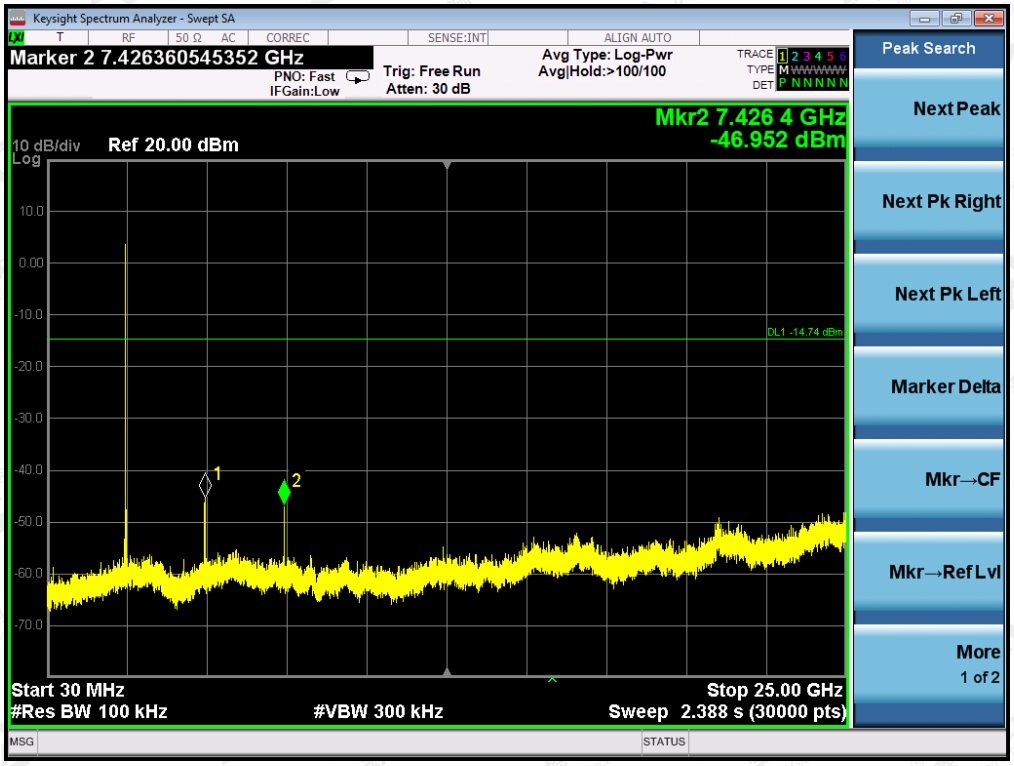




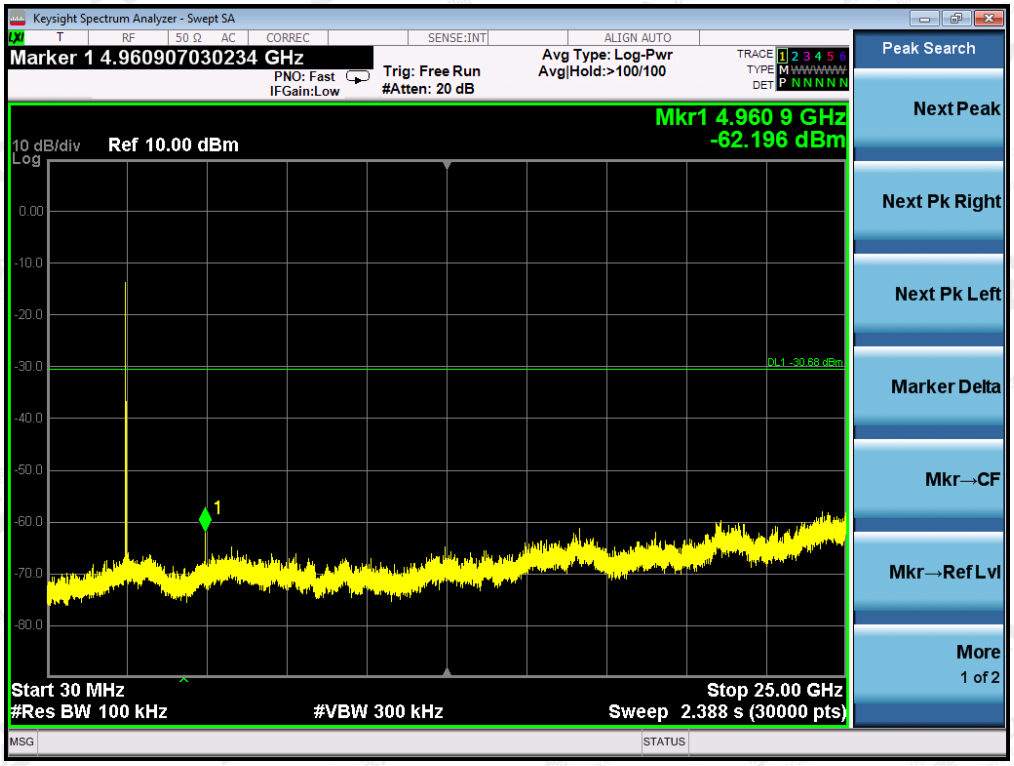
2440MHz



2475MHz



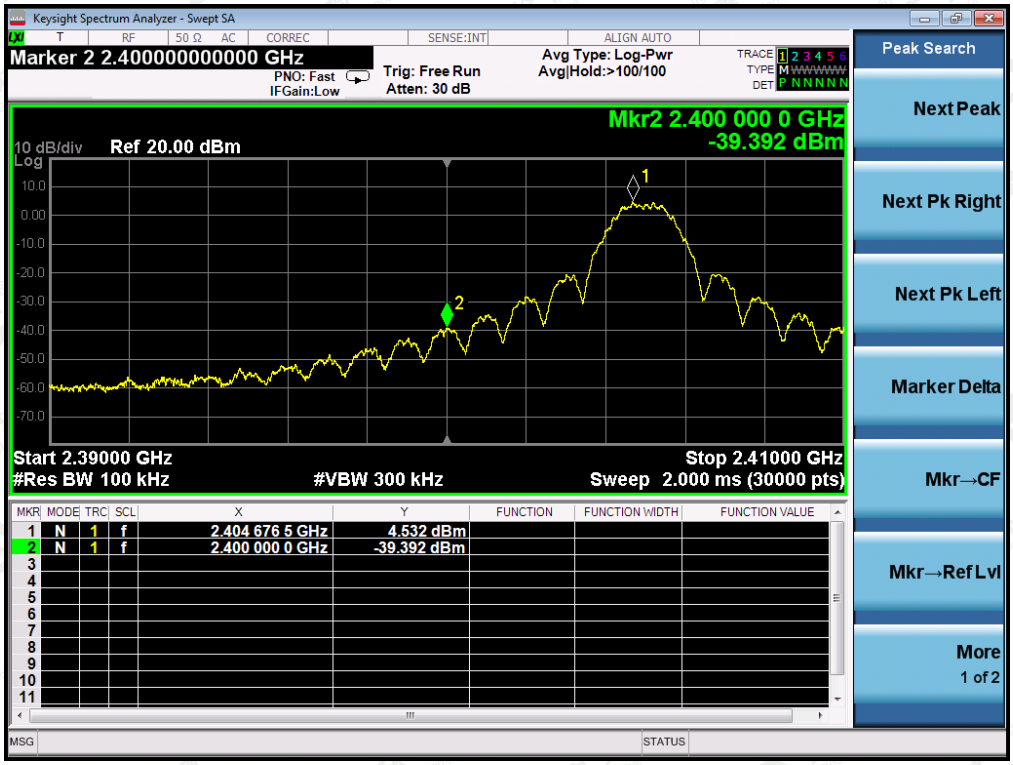
2480MHz



Note: The peak emissions without marker on the above plots are fundamental wave and need not to compare with the limit.

TEST RESULT FOR BAND EDGE

2405MHz



2475MHz

2480MHz

10. MAXIMUM CONDUCTED OUTPUT POWER SPECTRAL DENSITY

10.1 MEASUREMENT PROCEDURE

(1). Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator

(2). Set the EUT Work on the top, the middle and the bottom operation frequency individually.

(3). Set SPA Trace 1 Max hold, then View.

Note: The method of PKPSD in the KDB 558074 item 10.2 was used in this testing.

10.2 TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

Refer To Section 7.2.

10.3 MEASUREMENT EQUIPMENT USED

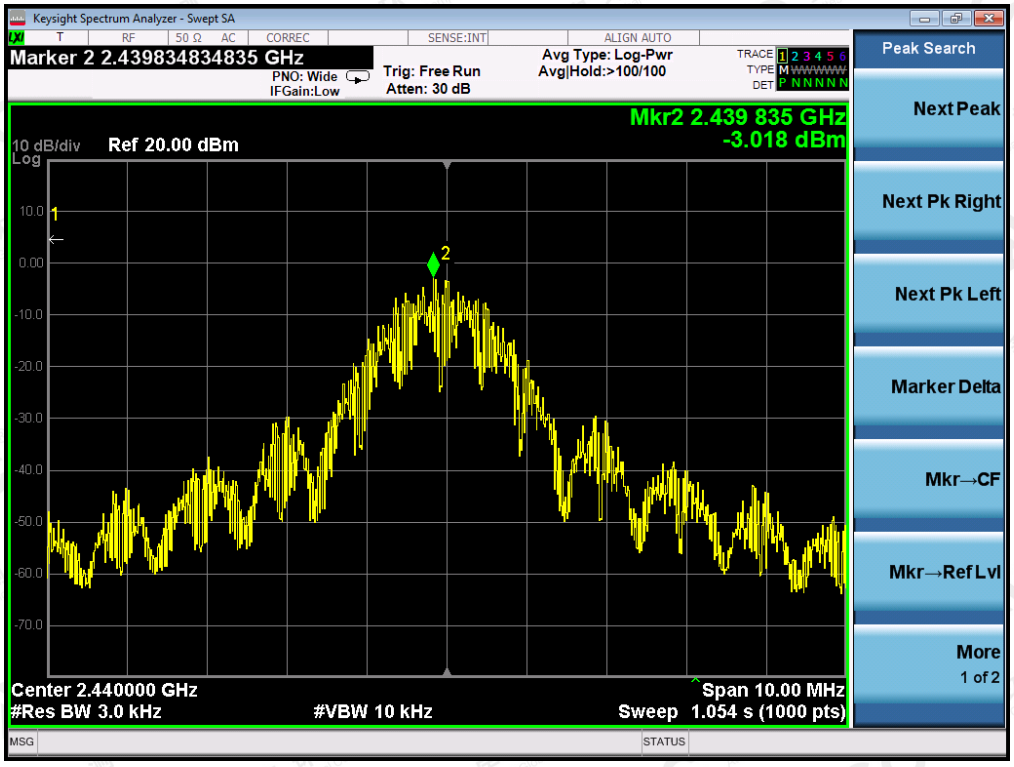
Refer To Section 6.

10.4 LIMITS AND MEASUREMENT RESULT

Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2405MHz	-4.797	8	Pass
2440MHz	-3.018	8	Pass
2475MHz	-3.364	8	Pass
2480MHz	-20.162	8	Pass

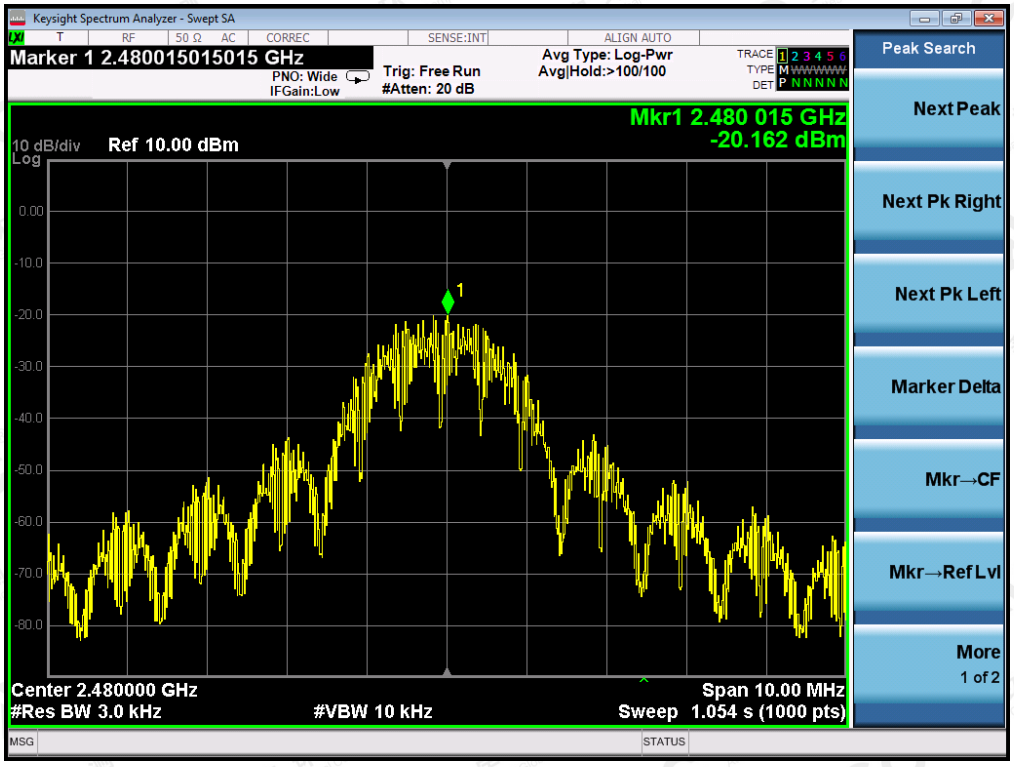
2405MHz

2440MHz



2475MHz

2480MHz



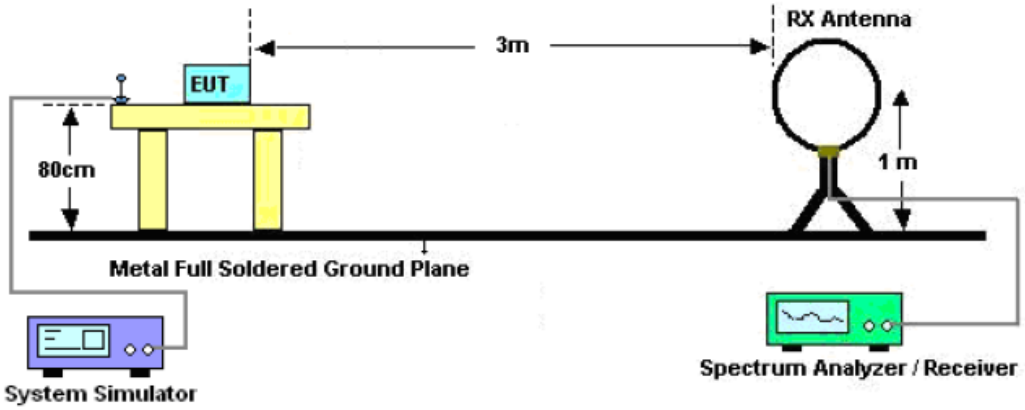
11. RADIATED EMISSION

11.1. MEASUREMENT PROCEDURE

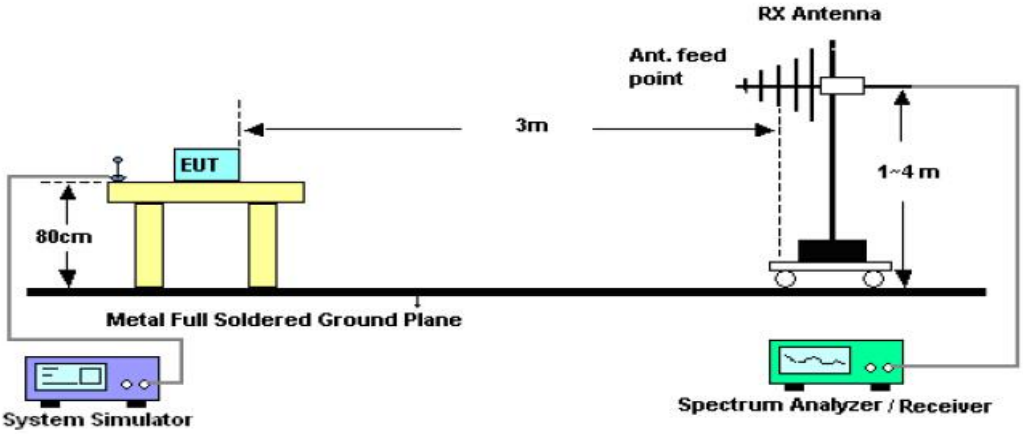
1. The EUT was placed on the top of the turntable 0.8 or 1.5 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
4. For each suspected emissions, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
6. For emissions above 1GHz, use 1MHz RBW and 3MHz VBW for peak reading. Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
7. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum values.
8. If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
9. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
10. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High - Low scan is not required in this case.

11.2. TEST SETUP

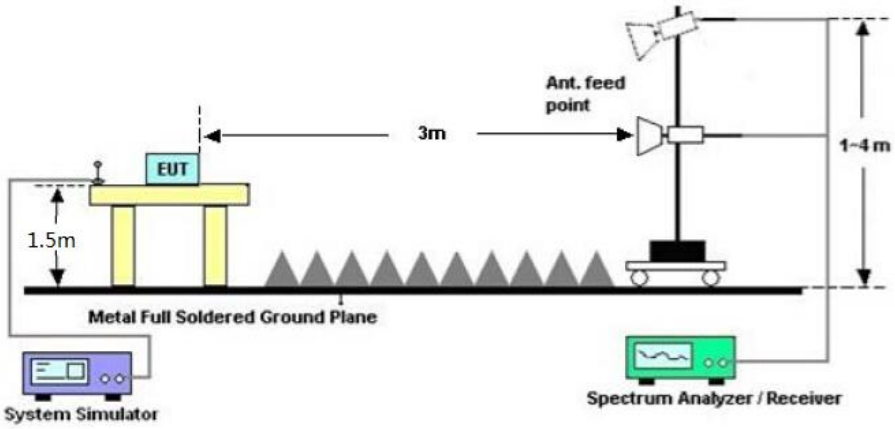
Radiated Emission Test-Setup Frequency Below 30MHz



RADIATED EMISSION TEST SETUP 30MHz-1000MHz



RADIATED EMISSION TEST SETUP ABOVE 1000MHz



11.3. LIMITS AND MEASUREMENT RESULT

15.209 Limit in the below table has to be followed

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

Note: All modes were tested For restricted band radiated emission,
the test records reported below are the worst result compared to other modes.

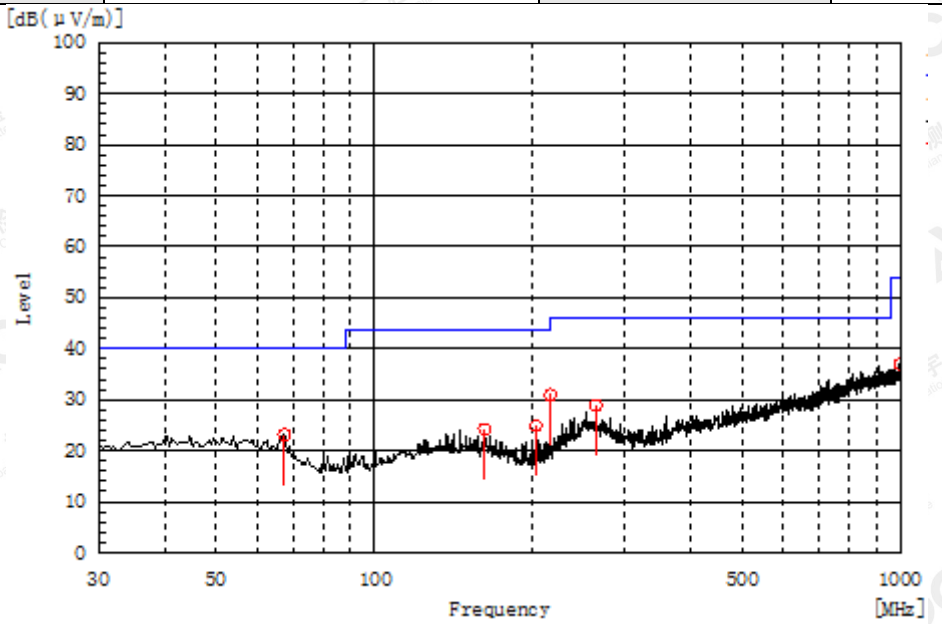
11.4. TEST RESULT

RADIATED EMISSION BELOW 30MHZ

No emission found between lowest internal used/generated frequencies to 30MHz.

RADIATED EMISSION BELOW 1GHZ

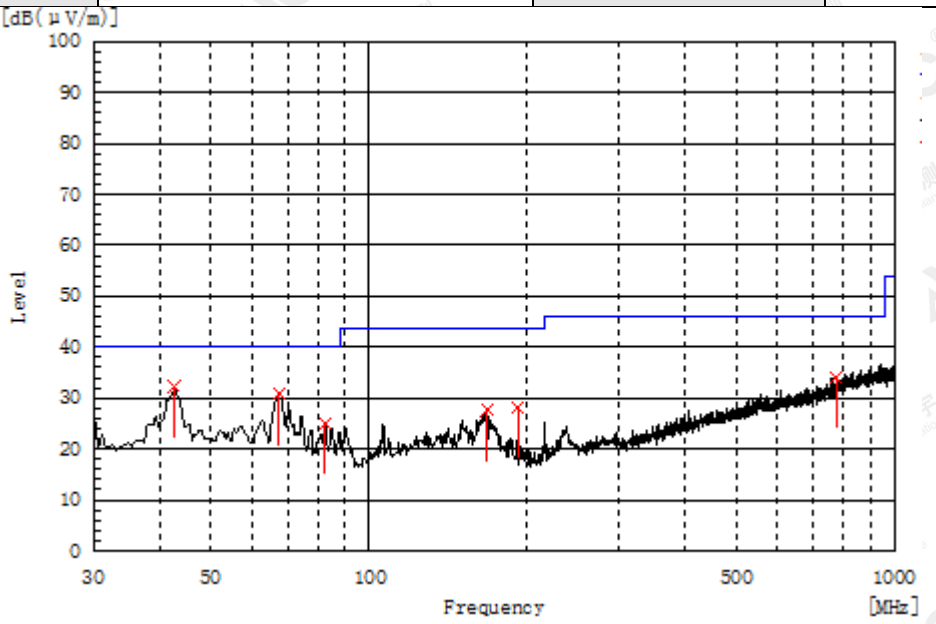
EUT	Master Target	Model Name	PI0IOMTP00200
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 4	Antenna	Horizontal



Frequency MHz	Polarization	Reading dB(uV)	Factor dB (1/m)	Level dB(uV/m) PK	Limit dB(uV/m) QP	Margin dB	Pass/Fail	Height cm	Angle deg
67.345	H	8.1	15.1	23.2	40.0	16.8	Pass	150.0	73.5
161.920	H	7.6	16.6	24.2	43.5	19.3	Pass	150.0	219.8
202.660	H	11.3	13.6	24.9	43.5	18.6	Pass	200.0	90.9
215.755	H	16.6	14.3	30.9	43.5	12.6	Pass	100.0	337.4
263.770	H	12.8	16.1	28.9	46.0	17.1	Pass	100.0	258.9
999.030	H	5.9	31.1	37.0	54.0	17.0	Pass	100.0	337.4

RESULT: PASS

EUT	Master Target	Model Name	PI0IOMTP00200
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 4	Antenna	Vertical



Frequency MHz	Polarization	Reading dB(uV)	Factor dB (1/m)	Level dB(uV/m) PK	Limit dB(uV/m) QP	Margin dB	Pass/Fail	Height cm	Angle deg
42.610	V	14.9	17.4	32.3	40.0	7.7	Pass	100.0	250.6
67.345	V	15.7	15.1	30.8	40.0	9.2	Pass	200.0	90.1
82.380	V	12.6	12.3	24.9	40.0	15.1	Pass	200.0	341.8
167.740	V	11.5	16.1	27.6	43.5	15.9	Pass	150.0	322.7
191.990	V	14.5	13.7	28.2	43.5	15.3	Pass	150.0	71.4
775.445	V	5.9	28.2	34.1	46.0	11.9	Pass	150.0	107.2

RESULT: PASS
Note:
1. Factor=Antenna Factor + Cable loss, Margin=Measurement-Limit.
2. All test modes had been tested. The mode 1 is the worst case and recorded in the report.

RADIATED EMISSION ABOVE 1GHZ

EUT	Master Target	Model Name	PI0IOMTP00200
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4804.035	46.12	7.12	53.24	74	-20.76	peak
4804.035	41.54	7.12	48.66	54	-5.34	AVG
7206.028	42.96	9.84	52.8	74	-21.2	peak
7206.028	36.03	9.84	45.87	54	-8.13	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT	Master Target	Model Name	PI0IOMTP00200
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4804.035	44.02	7.12	51.14	74	-22.86	peak
4804.035	39.61	7.12	46.73	54	-7.27	AVG
7206.028	43.15	9.84	52.99	74	-21.01	peak
7206.028	38.22	9.84	48.06	54	-5.94	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT	Master Target	Model Name	PI0IOMTP00200
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 2	Antenna	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4880.065	45.93	7.12	53.05	74	-20.95	peak
4880.065	42.18	7.12	49.3	54	-4.7	AVG
7320.115	40.62	9.84	50.46	74	-23.54	peak
7320.115	34.19	9.84	44.03	54	-9.97	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT	Master Target	Model Name	PI0IOMTP00200
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 2	Antenna	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4880.052	41.58	7.12	48.7	74	-25.3	peak
4880.052	37.12	7.12	44.24	54	-9.76	AVG
7320.013	42.2	9.84	52.04	74	-21.96	peak
7320.013	36.85	9.84	46.69	54	-7.31	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT	Master Target	Model Name	PI0IOMTP00200
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 3	Antenna	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4950.065	46.13	7.12	53.25	74	-20.75	peak
4950.065	41.92	7.12	49.04	54	-4.96	AVG
7425.058	40.66	9.84	50.5	74	-23.5	peak
7425.058	39.14	9.84	48.98	54	-5.02	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT	Master Target	Model Name	PI0IOMTP00200
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 3	Antenna	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4950.065	42.89	7.12	50.01	74	-23.99	peak
4950.065	40.12	7.12	47.24	54	-6.76	AVG
7425.058	43.55	9.84	53.39	74	-20.61	peak
7425.058	39.18	9.84	49.02	54	-4.98	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT	Master Target	Model Name	PI0IOMTP00200
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 4	Antenna	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4960.065	42.54	7.12	49.66	74	-24.34	peak
4960.065	37.25	7.12	44.37	54	-9.63	AVG
7440.058	38.25	9.84	48.09	74	-25.91	peak
7440.058	34.25	9.84	44.09	54	-9.91	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

EUT	Master Target	Model Name	PI0IOMTP00200
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 4	Antenna	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4960.084	40.25	7.12	47.37	74	-26.63	peak
4960.084	35.12	7.12	42.24	54	-11.76	AVG
7440.065	37.15	9.84	46.99	74	-27.01	peak
7440.065	33.19	9.84	43.03	54	-10.97	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

RESULT: PASS

Note:

Other emissions from 1G to 25 GHz are considered as ambient noise. No recording in the test report.

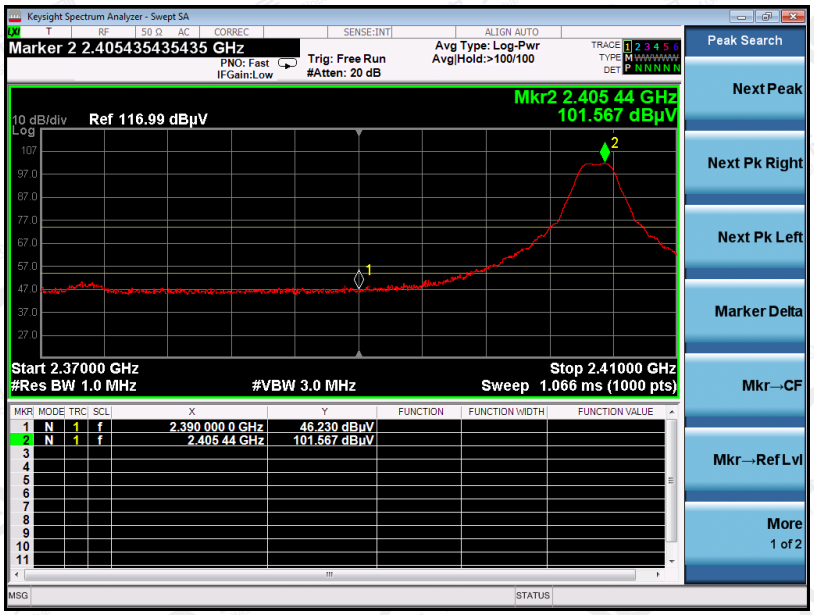
Factor = Antenna Factor + Cable loss - Amplifier gain, Over=Measure-Limit.

The “Factor” value can be calculated automatically by software of measurement system.

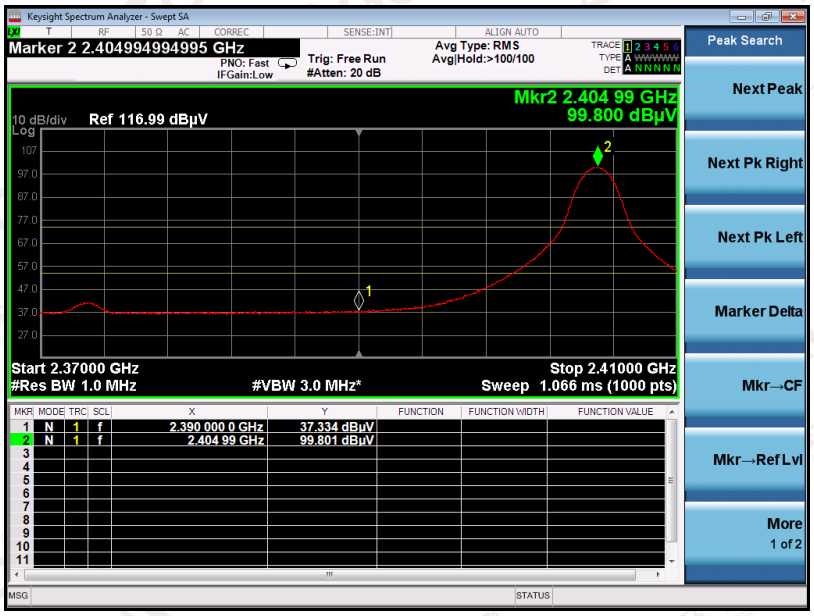
TEST RESULT FOR RESTRICTED BANDS REQUIREMENTS

EUT	Master Target	Model Name	PI0IOMTP00200
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna	Horizontal

PK



AV

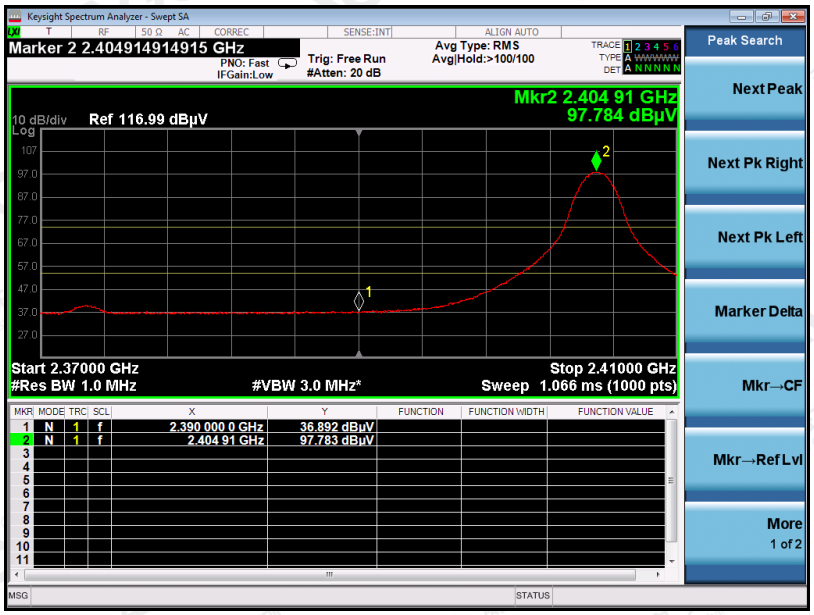


RESULT: PASS

EUT	Master Target	Model Name	PI0IOMTP00200
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna	Vertical

PK

AV



RESULT: PASS

EUT	Master Target	Model Name	PI0IOMTP00200
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 3	Antenna	Horizontal

PK

AV

RESULT: PASS

EUT	Master Target	Model Name	PI0IOMTP00200
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 3	Antenna	Vertical

PK

AV

EUT	Master Target	Model Name	PI0IOMTP00200
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 4	Antenna	Horizontal

PK

AV

RESULT: PASS

EUT	Master Target	Model Name	PI0IOMTP00200
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 4	Antenna	Vertical

PK

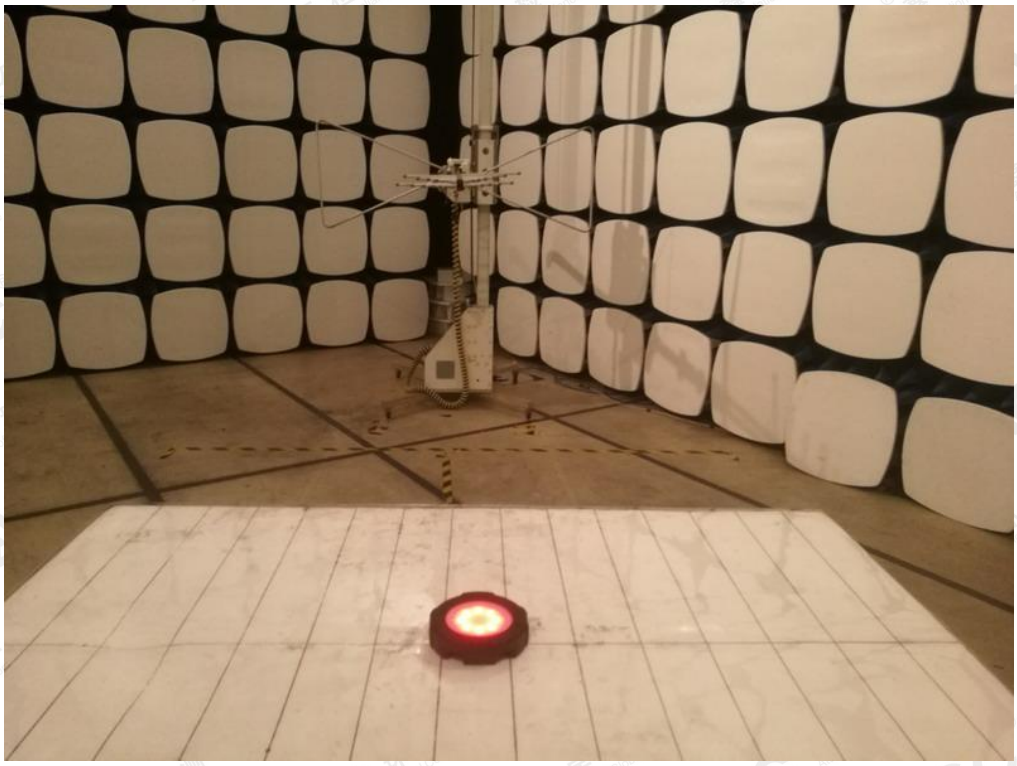
AV

RESULT: PASS

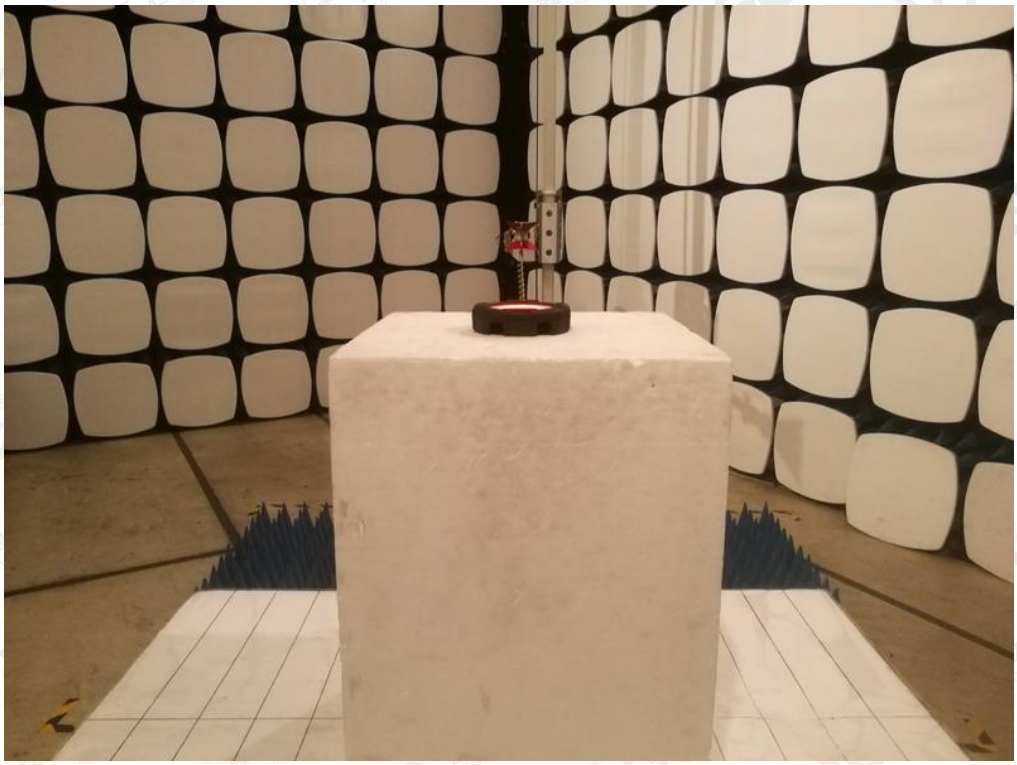
Note: The factor had been edited in the “Input Correction” of the Spectrum Analyzer. So the Amplitude of test plots is equal to Reading level plus the Factor in dB. Use the A dB(µV) to represent the Amplitude. Use the F dB(µV/m) to represent the Field Strength. So A=F.

APPENDIX A: PHOTOGRAPHS OF TEST SETUP

RADIATED EMISSION TEST SETUP BELOW 1GHz



RADIATED EMISSION TEST SETUP ABOVE 1GHz



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