

FCC Test Report

FCC ID	:	XNAHWA06
Equipment	:	MOVE
Model No.	:	HWA06 HWA06M (Refer to item 1.1.1 for more details)
Brand Name	:	Withings
Applicant	:	Withings SA
Address	:	2 rue Maurice Hartmann 92130 Issy-Les-Moulineaux France
Standard	:	47 CFR FCC Part 15.247
Received Date	:	Nov. 26, 2018
Tested Date	:	Dec. 03 ~ Dec. 05, 2018 (for original test) Mar. 05, 2019 (for new test)

We, International Certification Corp., would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. The test results contained in this report refer exclusively to the product. It may be duplicated completely for legal use with the approval of the applicant. It shall not be reproduced except in full without the written approval of our laboratory.

Reviewed by:

Along Cheil/ Assistant Manager

Approved by:

Gary Chang / Manager





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Release Record

Report No.	Version	Description	Issued Date
FR8N2601-02	Rev. 01	Initial issue	Apr. 01, 2019



Summary of Test Results

Test Items	Measured	Result
AC Power Line Conducted Emissions	Note	N/A
Radiated Emissions	[dBuV/m at 3m]: 7320.00MHz 51.64 (Margin -2.36dB) - AV	Pass
Maximum Output Power	Power [dBm]: 0.45	Pass
6dB Bandwidth	Meet the requirement of limit	Pass
Power Spectral Density	Meet the requirement of limit	Pass
Antenna Requirement	Meet the requirement of limit	Pass
	AC Power Line Conducted Emissions Radiated Emissions Maximum Output Power 6dB Bandwidth Power Spectral Density	AC Power Line Conducted EmissionsNoteRadiated Emissions[dBuV/m at 3m]: 7320.00MHz 51.64 (Margin -2.36dB) - AVMaximum Output PowerPower [dBm]: 0.456dB BandwidthMeet the requirement of limitPower Spectral DensityMeet the requirement of limit

N/A means Not Applicable.

Note: The device consumes DC power from battery, so the test is not required.

Declaration of Conformity:

The judgement of conformity in the report is based on the measurement results excluding the measurement uncertainty.

Comments and Explanations:

None



1 General Description

1.1 Information

This report is issued as a supplementary report to original ICC report no. FR8N2601. The modification is only concerned with the following items:

- ♦ Adding model name
- ♦ Adding one different appearance decoration

In this report, radiated emission test of new model had been re-tested and other test results were kept as same as mentioned on original report.

1.1.1 Product Details

The following models are provided to this EUT.

	Brand Name	Model Name	Product Name	Description
	Withings	HWA06	MOVE	Only different appearance
	Withings	HWA06M	WOVE	decoration
+	The above models, mo data was recorded in t	odel HWA06 was selected a his report.	is a representative one for t	he final test and only its

1.1.2 Specification of the Equipment under Test (EUT)

RF General Information					
Frequency Range (MHz)	Bluetooth Mode	Ch. Freq. (MHz)	Channel Number	Data Rate	
2400-2483.5	V4.0 LE	2402-2480	0-39 [40]	1 Mbps	
Note 1: Bluetooth LE	(Low energy) uses G	FSK modulation.			

1.1.3 Antenna Details

Ant. No.	Туре	Connector	Gain (dBi)	Remarks
1	Monopole	No	3.26	

1.1.4 Power Supply Type of Equipment under Test (EUT)

Power Supply Type 3Vdc from Coin cell Battery



1.1.5 Accessories

Accessories				
No.	Equipment	Description		
1	Coin cell Battery	Brand: MAXELL, Toshiba, Omnergy Model: CR2430 Rating: 3Vdc, 290mAh		

1.1.6 Channel List

	Frequency band (MHz)				2400~2	2483.5	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
37	2402	9	2422	18	2442	28	2462
0	2404	10	2424	19	2444	29	2464
1	2406	38	2426	20	2446	30	2466
2	2408	11	2428	21	2448	31	2468
3	2410	12	2430	22	2450	32	2470
4	2412	13	2432	23	2452	33	2472
5	2414	14	2434	24	2454	34	2474
6	2416	15	2436	25	2456	35	2476
7	2418	16	2438	26	2458	36	2478
8	2420	17	2440	27	2460	39	2480

1.1.7 Test Tool and Duty Cycle

Test Tool	nRFgo Studio, ver. 1.21.0			
Duty Cycle and Duty Easter	Duty Cycle (%) Duty Factor (dB			
Duty Cycle and Duty Factor	64.42	1.91		

1.1.8 Power Index of Test Tool

Modulation Mode		Test Frequency (MHz)	
	2402	2440 2480	
GFSK/1Mbps	Default	Default	Default



1.2 Local Support Equipment List

	Support Equipment List						
No.	No. Equipment Brand Model FCC ID Remarks						
1	Notebook	DELL	Latitude E6440	DoC			

1.3 Test Setup Chart

Test Setup Diagram					
EUT					

Note: The support notebook is disconnected from EUT and removed from test table after sending command to control the EUT for BT link.



1.4 Test Equipment List and Calibration Data

For original test : Dec. 03 ~ Dec. 05, 2018

Test Item	Radiated Emission							
Test Site	966 chamber 3 / (03C	966 chamber 3 / (03CH03-WS)						
Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Until			
Spectrum Analyzer	R&S	FSV40	101499	Jan. 03, 2018	Jan. 02, 2019			
Receiver	R&S	ESR3	101657	Jan. 05, 2018	Jan. 04, 2019			
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-685	Apr. 19, 2018	Apr. 18, 2019			
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1206	Jan. 18, 2018	Jan. 17, 2019			
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Nov. 15, 2018	Nov. 14, 2019			
Loop Antenna	R&S	HFH2-Z2	100330	Nov. 09, 2018	Nov. 08, 2019			
Loop Antenna Cable	KOAX KABEL	101354-BW	101354-BW	Oct. 08, 2018	Oct. 07, 2019			
Preamplifier	EMC	EMC02325	980187	Aug. 24, 2018	Aug. 23, 2019			
Preamplifier	Agilent	83017A	MY53270014	Aug. 09, 2018	Aug. 08, 2019			
Preamplifier	EMC	EMC184045B	980192	Aug. 09, 2018	Aug. 08, 2019			
RF cable-3M	EMC	EMC104-SM-SM-80 00	181107	Oct. 30, 2018	Oct. 29, 2019			
RF cable-8M	HUBER+SUHNER	SUCOFLEX104	MY32487/4	Oct. 30, 2018	Oct. 29, 2019			
RF cable-1M	HUBER+SUHNER	SUCOFLEX104	MY22624/4	Oct. 30, 2018	Oct. 29, 2019			
LF cable-0.8M	EMC	EMC8D-NM-NM-800	EMC8D-NM-NM-800 -001	Oct. 30, 2018	Oct. 29, 2019			
LF cable-3M	EMC	EMC8D-NM-NM-300 0	131103	Oct. 30, 2018	Oct. 29, 2019			
LF cable-13M	EMC	EMC8D-NM-NM-130 00	131104	Oct. 30, 2018	Oct. 29, 2019			
Measurement Software	AUDIX	e3	6.120210g	NA	NA			

Test Item	RF Conducted				
Test Site	(TH01-WS)				
Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Until
Spectrum Analyzer	R&S	FSV40	101063	Apr. 16, 2018	Apr. 15, 2019
Power Meter	Anritsu	ML2495A	1241002	Oct. 09, 2018	Oct. 08, 2019
Power Sensor	Anritsu	MA2411B	1207366	Oct. 09, 2018	Oct. 08, 2019
DC POWER SOURCE	GW INSTEK	GPC-6030D	EM892433	Oct. 25, 2018	Oct. 24, 2019
Measurement Software	Sporton	Sporton_1	1.3.30	NA	NA
Note: Calibration Inte	rval of instruments liste	d above is one year.			•



For new test: Mar. 05, 2019

Test Item	Radiated Emission							
Test Site	966 chamber 3 / (030	966 chamber 3 / (03CH03-WS)						
Instrument	Manufacturer	Model No. Serial No.		Calibration Date	Calibration Until			
Spectrum Analyzer	R&S	FSV40	101499	Jan. 07, 2019	Jan. 06, 2020			
Receiver	R&S	ESR3	101658	Dec. 11, 2018	Dec. 10, 2019			
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-685	Apr. 19, 2018	Apr. 18, 2019			
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1206	Jan. 07, 2019	Jan. 06, 2020			
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Nov. 15, 2018	Nov. 14, 2019			
Loop Antenna	R&S	HFH2-Z2	100330	Nov. 09, 2018	Nov. 08, 2019			
Loop Antenna Cable	KOAX KABEL	101354-BW	101354-BW	Oct. 08, 2018	Oct. 07, 2019			
Preamplifier	EMC	EMC02325	980187	Aug. 24, 2018	Aug. 23, 2019			
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RF cable-3M	EMC	EMC104-SM-SM-80 00	181107	Oct. 30, 2018	Oct. 29, 2019			
RF cable-8M	HUBER+SUHNER	SUCOFLEX104	MY32487/4	Oct. 30, 2018	Oct. 29, 2019			
RF cable-1M	HUBER+SUHNER	SUCOFLEX104	MY22624/4	Oct. 30, 2018	Oct. 29, 2019			
LF cable-0.8M	EMC	EMC8D-NM-NM-800	EMC8D-NM-NM-800 -001	Oct. 30, 2018	Oct. 29, 2019			
LF cable-3M	EMC	EMC8D-NM-NM-300 0	131103	Oct. 30, 2018	Oct. 29, 2019			
LF cable-13M	EMC	EMC8D-NM-NM-130 00	131104	Oct. 30, 2018	Oct. 29, 2019			
Measurement Software	AUDIX	e3	6.120210g	NA	NA			



1.5 Test Standards

According to the specification of EUT, the EUT must comply with following standards and KDB documents.

47 CFR FCC Part 15.247 ANSI C63.10-2013 FCC KDB 558074 D01 15.247 Meas Guidance v05

1.6 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)

Measurement Uncertainty				
Parameters	Uncertainty			
Bandwidth	±34.134 Hz			
Conducted power	±0.808 dB			
Power density	±0.463 dB			
Conducted emission	±2.670 dB			
AC conducted emission	±2.90 dB			
Radiated emission ≤ 1GHz	±3.66 dB			
Radiated emission > 1GHz	±5.37 dB			



2 Test Configuration

2.1 Testing Condition

Test Item	Test Site	Ambient Condition	Tested By
Radiated Emissions	03CH03-WS	24-25°C / 61-66%	Akun Chung
RF Conducted	TH01-WS	22°C / 64%	Aska Huang

FCC Designation No.: TW0009

FCC site registration No.: 207696

IC site registration No.: 10807C-1

2.2 The Worst Test Modes and Channel Details

Test item	Mode	Test Frequency (MHz)	Data Rate	Test Configuration
Radiated Emissions ≤ 1GHz	BT LE	2480	1Mbps	1, 2
Maximum Output Power 6dB bandwidth Power spectral density	BT LE	2402, 2440, 2480	1Mbps	1
Radiated Emissions > 1GHz	BT LE	2402, 2440, 2480	1Mbps	1, 2
NOTE:				•

1. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The **Y-plane** results were found as the worst case and were shown in this report.

2. The difference between each configuration test items as below:.

Configuration 1 : Model: HWA06

Configuration 2 : Model: HWA06M



3 Transmitter Test Results

3.1 6dB and Occupied Bandwidth

3.1.1 Limit of 6dB Bandwidth

The minimum 6dB bandwidth shall be at least 500 kHz.

3.1.2 Test Procedures

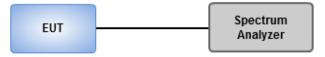
6dB Bandwidth

- 1. Set resolution bandwidth (RBW) = 100 kHz, Video bandwidth = 300 kHz.
- 2. Detector = Peak, Trace mode = max hold.
- 3. Sweep = auto couple, Allow the trace to stabilize.
- 4. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower) that are attenuated by 6dB relative to the maximum level measured in the fundamental emission.

Occupied Bandwidth

- 1. Set resolution bandwidth (RBW) = $1\% \sim 5\%$ of OBW, Video bandwidth = $3 \times RBW$
- 2. Detector = Sample, Trace mode = max hold.
- 3 Sweep = auto couple, Allow the trace to stabilize.
- 4. Use the OBW measurement function of spectrum analyzer to measure the occupied bandwidth.

3.1.3 Test Setup





3.1.4 Test Result of 6dB and Occupied Bandwidth

Summary

Mode	Max-N dB	Max-OBW	ITU-Code	Min-N dB	Min-OBW
	(Hz)	(Hz)		(Hz)	(Hz)
2.4-2.4835GHz	-	-	-	-	-
BT-LE(1Mbps)	710.145k	1.053M	1M05F1D	681.159k	1.042M

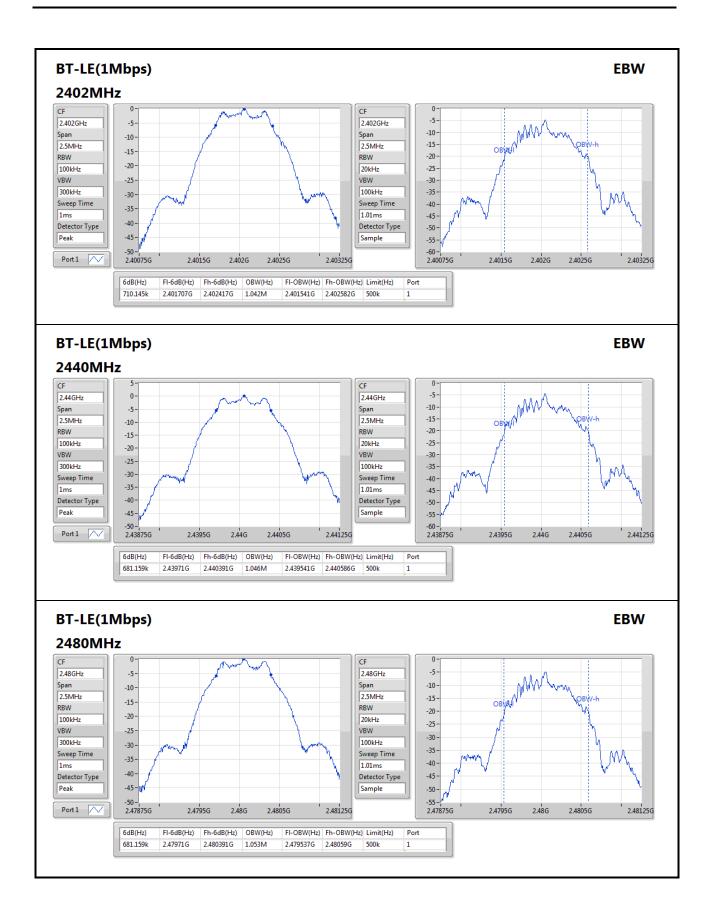
Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth; **Min-N dB** = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

Result

Mode	Result	Limit	Port 1-N dB	Port 1-OBW
		(Hz)	(Hz)	(Hz)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	500k	710.145k	1.042M
2440MHz	Pass	500k	681.159k	1.046M
2480MHz	Pass	500k	681.159k	1.053M

Port X-N dB = Port **X** 6dB down bandwidth; **Port X-OBW** = Port **X** 99% occupied bandwidth;







3.2 **RF Output Power**

3.2.1 Limit of RF Output Power

Conducted power shall not exceed 1Watt.

Antenna gain <= 6dBi, no any corresponding reduction is in output power limit.

3.2.2 Test Procedures

A broadband RF power meter is used for output power measurement. The video bandwidth of power meter is greater than DTS bandwidth of EUT. If duty cycle of test signal is not 100 %, trigger and gating function of power meter will be enabled to capture transmission burst for measuring output power.

3.2.3 Test Setup





3.2.4 Test Result of Maximum Output Power

Summary of Peak Conducted Output Power

Mode	Power	Power
	(dBm)	(W)
2.4-2.4835GHz	-	-
BT-LE(1Mbps)	0.45	0.00111

Result

Mode	Result	Gain	Power	Power Limit
		(dBi)	(dBm)	(dBm)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	3.26	0.28	30.00
2440MHz	Pass	3.26	0.32	30.00
2480MHz	Pass	3.26	0.45	30.00

Summary of Conducted (Average) Output Power

Mode	Power	Power
	(dBm)	(W)
2.4-2.4835GHz	-	-
BT-LE(1Mbps)	0.28	0.00107

Result

Mode	Result	Gain	Power	Power Limit
		(dBi)	(dBm)	(dBm)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	3.26	0.16	-
2440MHz	Pass	3.26	0.21	-
2480MHz	Pass	3.26	0.28	-

Note: Average power is for reference only.



3.3 Power Spectral Density

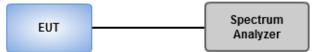
3.3.1 Limit of Power Spectral Density

Power spectral density shall not be greater than 8 dBm in any 3 kHz band.

3.3.2 Test Procedures

- 1. Set the RBW = 3 kHz, VBW = 10 kHz.
- 2. Detector = Peak, Sweep time = auto couple.
- 3. Trace mode = max hold, allow trace to fully stabilize.
- 4. Use the peak marker function to determine the maximum amplitude level.

3.3.3 Test Setup





3.3.4 Test Result of Power Spectral Density

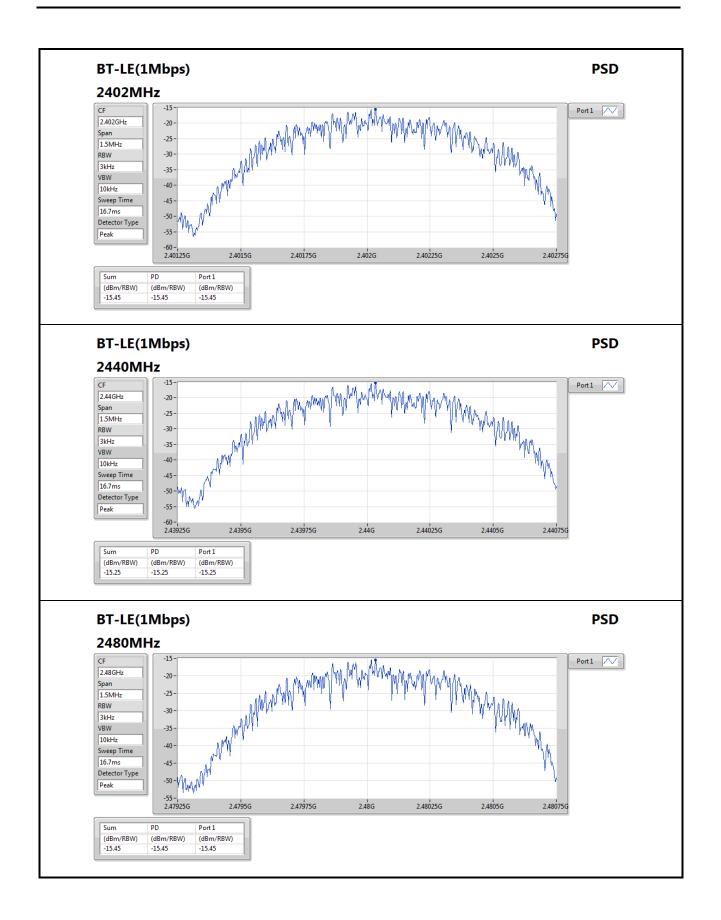
Summary

Mode	PD
	(dBm/RBW)
2.4-2.4835GHz	-
BT-LE(1Mbps)	-15.25

Result

Mode	Result	Gain	PD	PD Limit
		(dBi)	(dBm/RBW)	(dBm/RBW)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	3.26	-15.45	8.00
2440MHz	Pass	3.26	-15.25	8.00
2480MHz	Pass	3.26	-15.45	8.00







3.4 Emissions in Restricted Frequency Bands

3.4.1 Limit of Emissions in Restricted Frequency Bands

	Restricted Band	Emissions Limit	
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1:

Qusai-Peak value is measured for frequency below 1GHz except for 9–90 kHz, 110–490 kHz frequency band. Peak and average value are measured for frequency above 1GHz. The limit on average radio frequency emission is as above table. The limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit **Note 2:**

Measurements may be performed at a distance other than what is specified provided. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor as below, Frequency at or above 30 MHz: 20 dB/decade Frequency below 30 MHz: 40 dB/decade.

3.4.2 Test Procedures

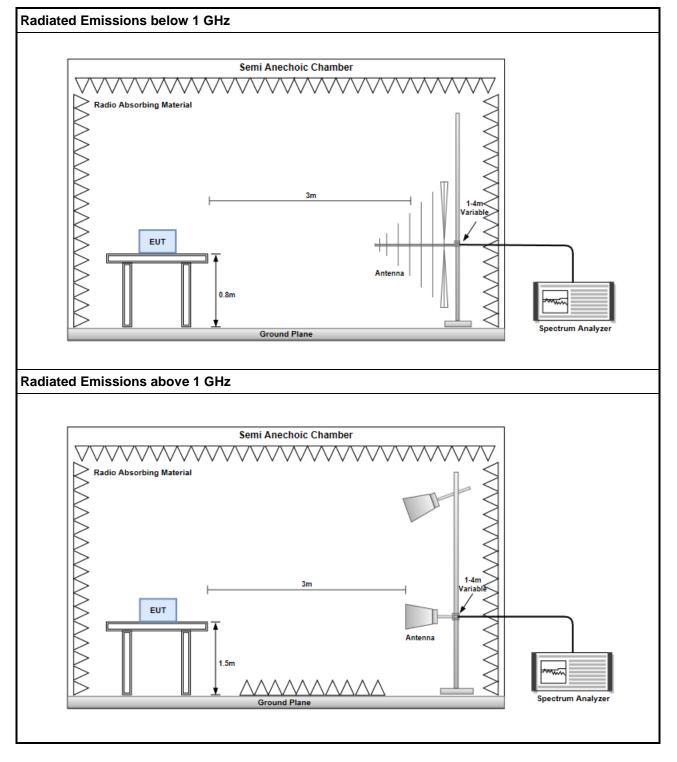
- Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission frequency. The EUT is placed at test table. For emissions testing at or below 1 GHz, the table height is 80 cm above the reference ground plane. For emission measurements above 1 GHz, the table height is 1.5 m
- Measurement is made with the antenna positioned in both the horizontal and vertical planes of polarization. The measurement antenna is varied in height (1m ~ 4m) above the reference ground plane to obtain the maximum signal strength. Distance between EUT and antenna is 3 m.
- 3. This investigation is performed with the EUT rotated 360°, the antenna height scanned between 1 m and 4 m, and the antenna rotated to repeat the measurements for both the horizontal and vertical antenna polarizations.

Note:

- 1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
- 2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
- 3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above 1GHz.



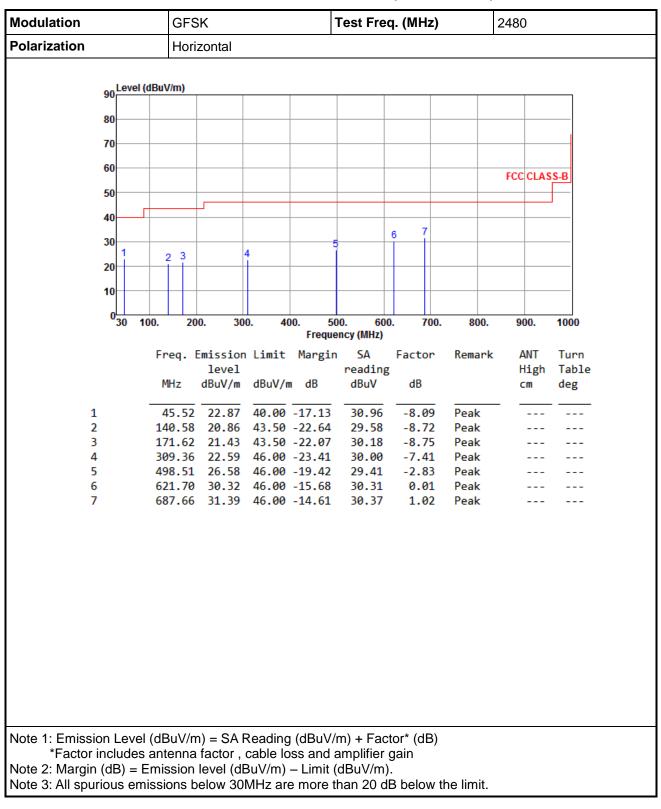
3.4.3 Test Setup





Configuration 1 : Model: HWA06

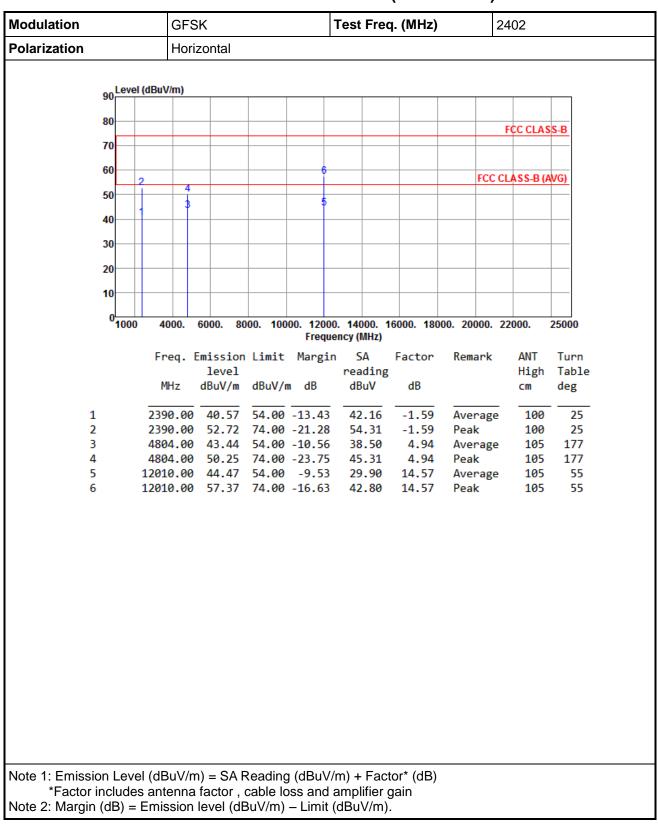
3.4.4 Transmitter Radiated Unwanted Emissions (Below 1GHz)





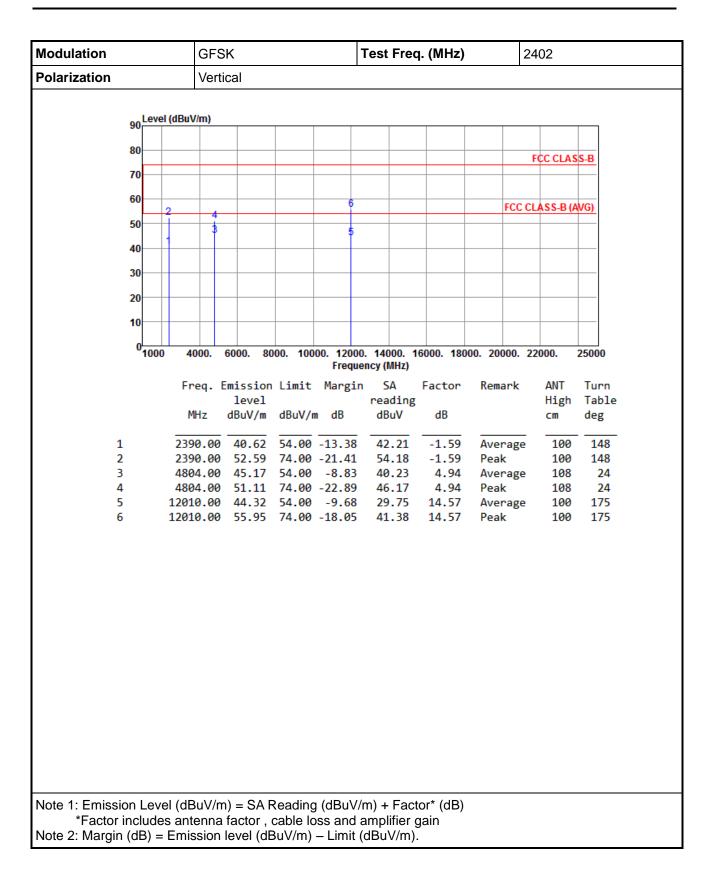
Modulation	GFSK Test Freq. (MHz) 2480							
Polarization	Vertical							
Level (d								
90 Level (d	Buv/m)							
80								
70								
60								
							FCC CLAS	S-B
50								
40								
30 2		5		6				
20	34	ĭ						
10								
0 <mark>1</mark> 30 10	0. 200.	300.	400. 50	0. 600). 700.	800.	900.	1000
			Freque	ncy (MHz)				
		ssion Limit	t Margin		Factor	Remark	ANT	Turn
		level BuV/m dBuV/	/m dB	reading dBuV	dB		High cm	Table deg
-								
1		7.49 40.00		36.65	-9.16	Peak		
2 3		28.01 40.00 21.26 43.50		36.36 29.58	-8.35 -8.32	Peak Peak		
4	166.77 2	1.55 43.50	9 -21.95	30.03	-8.48	Peak		
5		25.46 46.00		31.19		Peak		
0	5/0.05 2	9.44 46.00	9 -10.00	30.40	-0.96	Peak		
Note 1: Emission Level (
*Factor includes a								
Note 2: Margin (dB) = Er Note 3: All spurious emis								



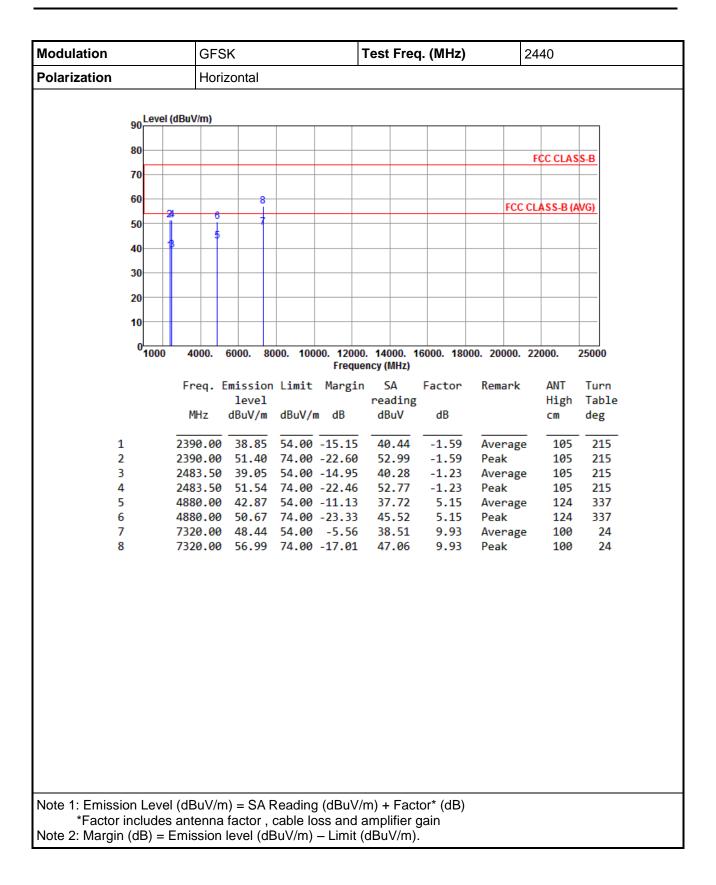


3.4.5 Transmitter Radiated Unwanted Emissions (Above 1GHz) for GFSK

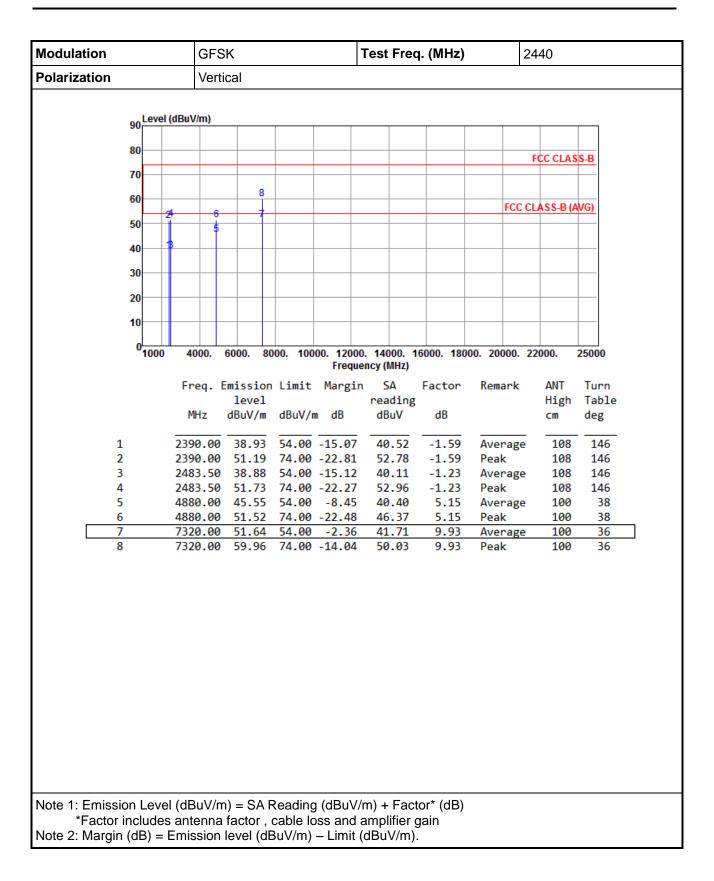




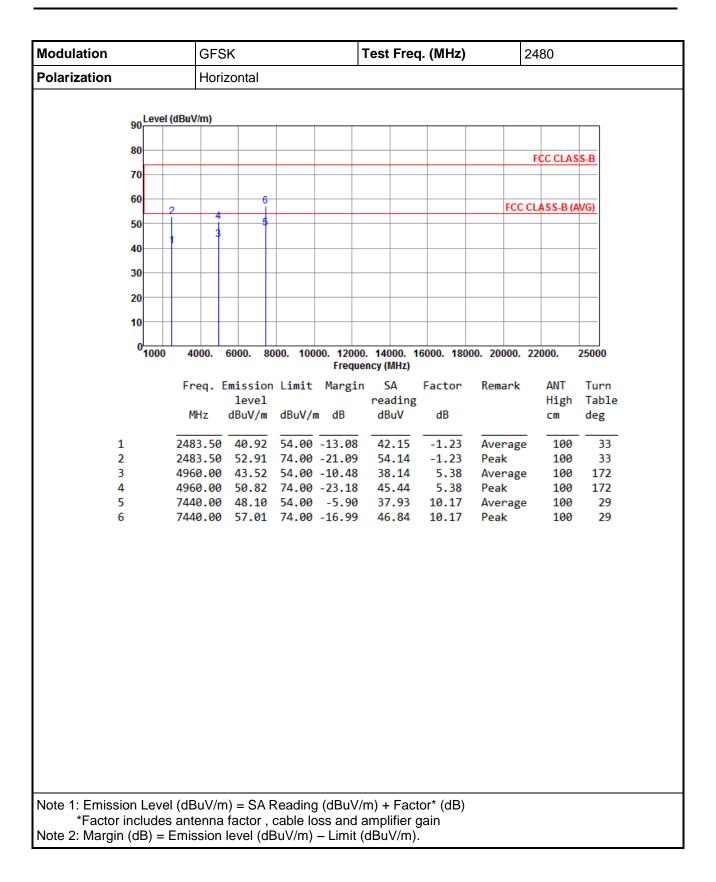




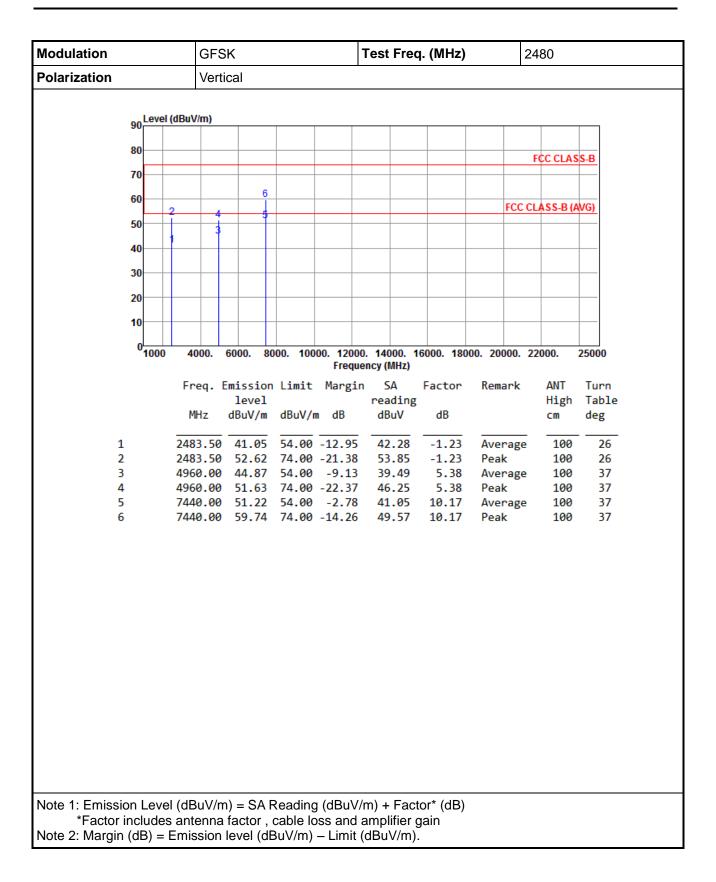








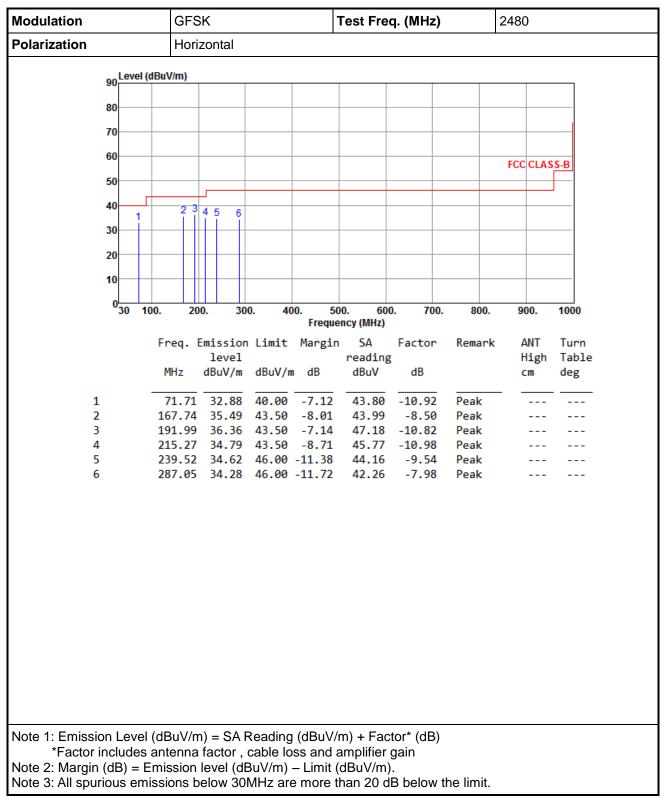






Configuration 2 : Model: HWA06M

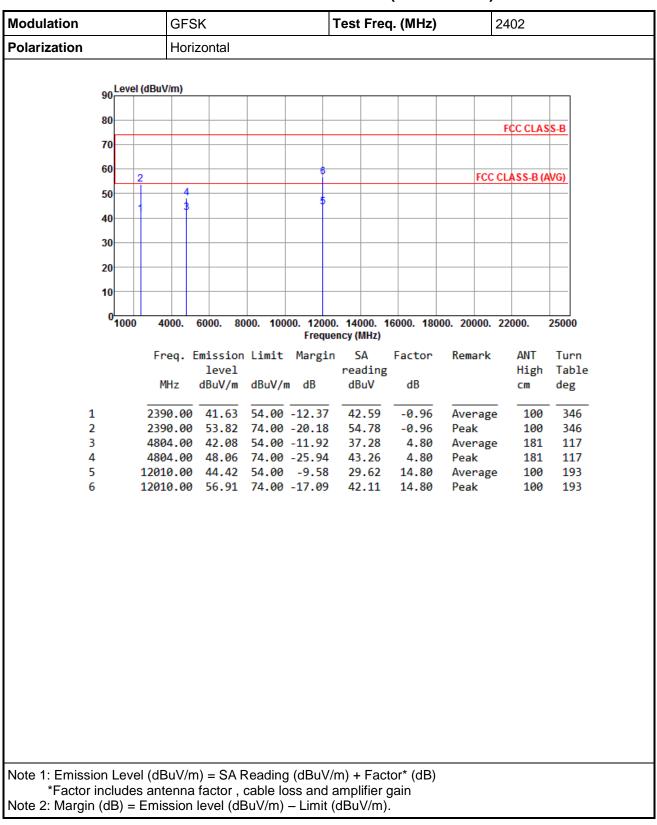
3.4.6 Transmitter Radiated Unwanted Emissions (Below 1GHz)





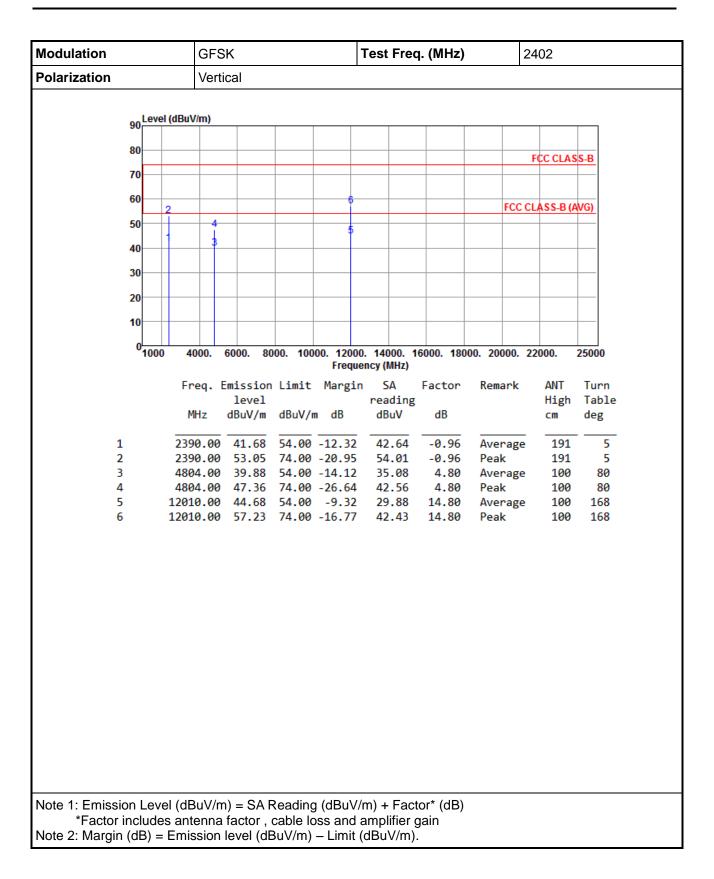
Modulation	GFS	K		٦	est Fre	q. (MHz)	2480	2480		
Polarization		Vertical								
	0 Level (dB	uV/m)								
9	0	,								
8	0									
7	0									
6	0									
									FCC CLAS	S-B
5	0									
4	0		4							
3	0 1	2 3	4 56							
2	0									
1										
	0 <mark>30 100</mark> .	. 20	0. 30	0. 40)0. 50 Fragua	0. 600 ncy (MHz)	0. 700.	800.	900.	1000
		Erea F	mission	limit	Margin		Factor	Remark	ANT	Turn
			level		nu gri	reading		nemar k	High	Table
		MHz	dBuV/m	dBuV/n	ı dB	dBuV	dB		cm	deg
1	_	70.74	28.41	40.00	-11.59	39.11	-10.70	Peak		
2		166.77		43.50	-14.56	37.42	-8.48	Peak		
3 4		195.87		43.50 46.00		41.27 42.87		Peak Peak		
5					-14.09	38.57	-10.90	Peak		
6		288.99	29.25	46.00	-16.75	37.18	-7.93	Peak		
_										
Note 1: Emission										
Factor inc* Note 2: Margin (c										
		11.5.510.011			LUTUL ((



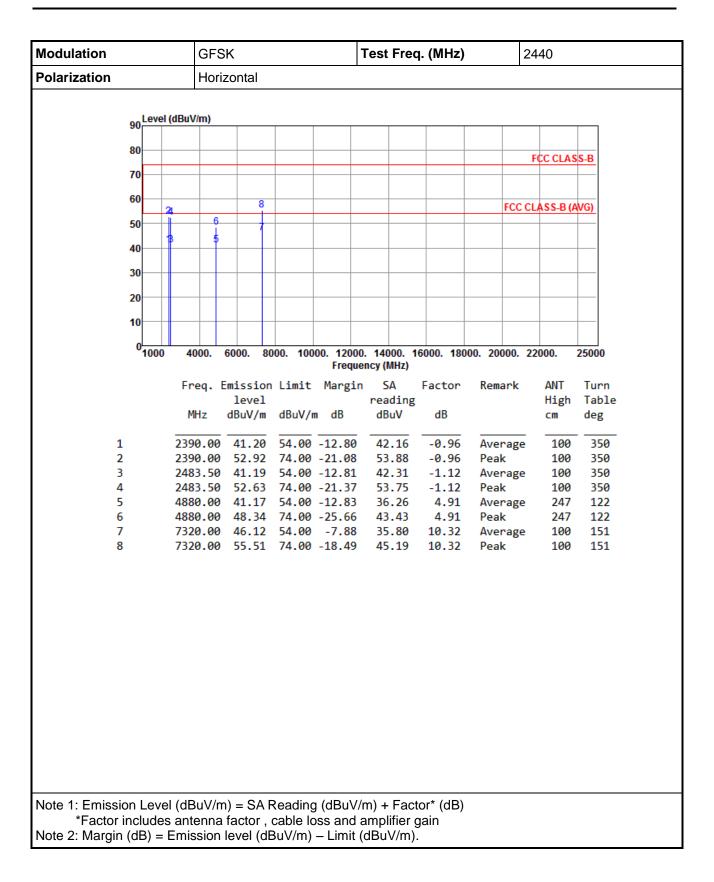


3.4.7 Transmitter Radiated Unwanted Emissions (Above 1GHz) for GFSK

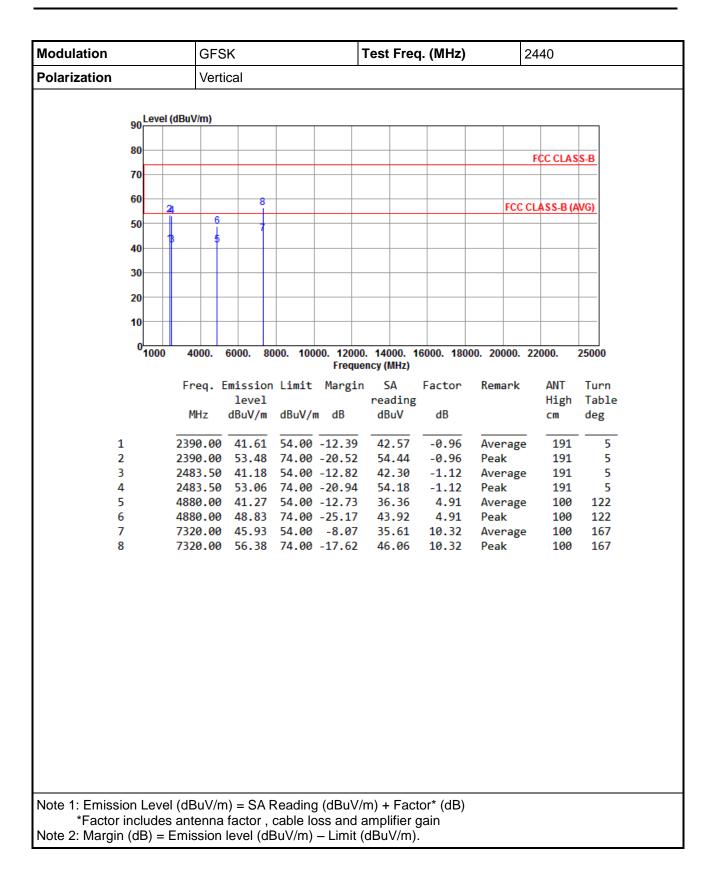




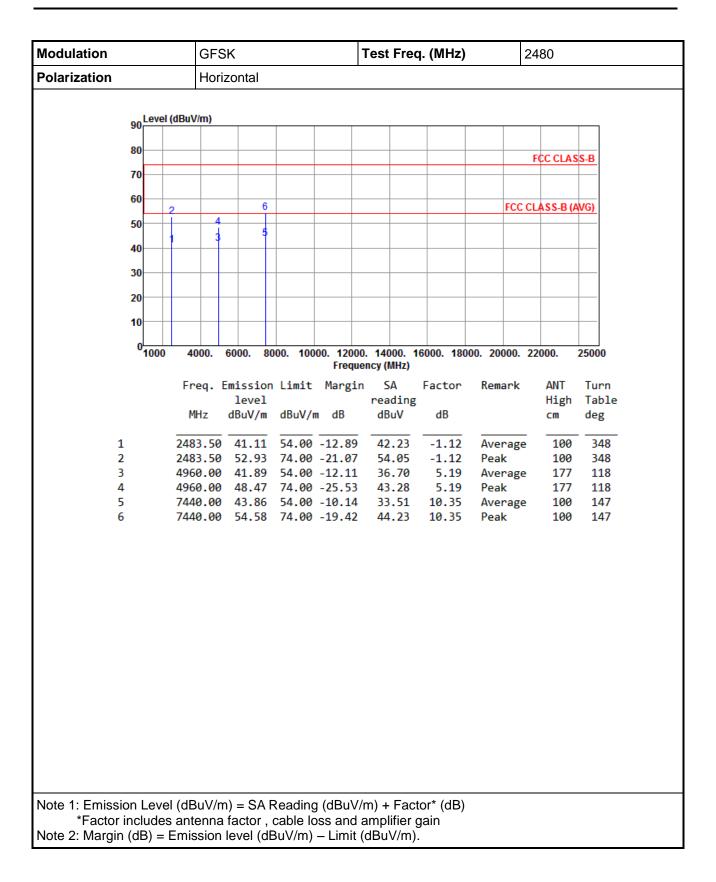




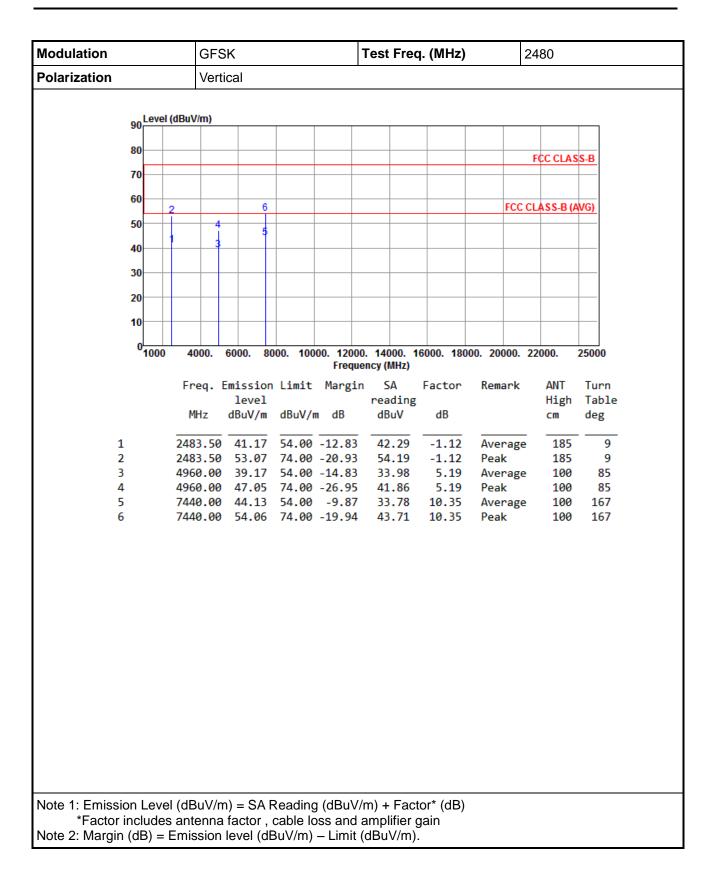














3.5 Emissions in non-restricted Frequency Bands

3.5.1 Emissions in non-restricted frequency bands limit

Peak power in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz.

3.5.2 Test Procedures

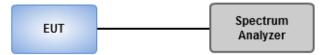
Reference level measurement

- 1. Set RBW=100kHz, VBW = 300kHz , Detector = Peak, Sweep time = Auto
- 2. Trace = max hold , Allow Trace to fully stabilize
- 3. Use the peak marker function to determine the maximum PSD level

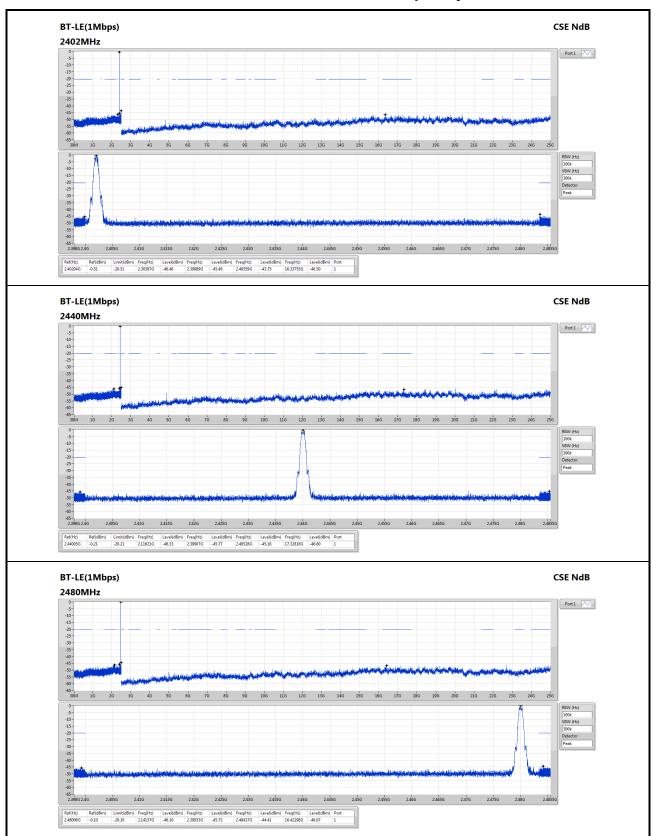
Emission level measurement

- 1. Set RBW=100kHz, VBW = 300kHz , Detector = Peak, Sweep time = Auto
- 2. Trace = max hold , Allow Trace to fully stabilize
- 3. Scan Frequency range is up to 25GHz
- 4. Use the peak marker function to determine the maximum amplitude level

3.5.3 Test Setup







3.5.4 Test Result of Emissions in non-restricted Frequency Bands



4 Test laboratory information

Established in 2012, ICC provides foremost EMC & RF Testing and advisory consultation services by our skilled engineers and technicians. Our services employ a wide variety of advanced edge test equipment and one of the widest certification extents in the business.

International Certification Corp (EMC and Wireless Communication Laboratory), it is our definitive objective is to institute long term, trust-based associations with our clients. The expectation we set up with our clients is based on outstanding service, practical expertise and devotion to a certified value structure. Our passion is to grant our clients with best EMC / RF services by oriented knowledgeable and accommodating staff.

Our Test sites are located at Linkou District and Kwei Shan District. Location map can be found on our website <u>http://www.icertifi.com.tw</u>.

Linkou Tel: 886-2-2601-1640 No. 30-2, Ding Fwu Tsuen, Lin Kou District, New Taipei City, Taiwan, R.O.C. Kwei Shan Tel: 886-3-271-8666 No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan District, Tao Yuan City 333, Taiwan, R.O.C. Kwei Shan Site II Tel: 886-3-271-8640 No. 14-1, Lane 19, Wen San 3rd St., Kwei Shan District, Tao Yuan City 333, Taiwan, R.O.C.

If you have any suggestion, please feel free to contact us as below information.

Tel: 886-3-271-8666 Fax: 886-3-318-0155 Email: ICC_Service@icertifi.com.tw

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