

FCC Test Report

FCC ID : Z64-CC256XMODNKIT

Equipment : CC2564 Module EM Board

Model No. : CC2564MODNEM

Brand Name : Texas Instruments

Applicant : Texas Instruments Inc

Address : 12500 TI Blvd, Dallas USA 75243

Standard : 47 CFR FCC Part 15.247

Received Date : Dec. 04, 2013

Tested Date : Dec. 18, 2013 ~ Feb. 27, 2014

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.

Approved & Reviewed by:

Gary Chang / Manager

ilac MRA



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Report No.: FR3D0401AE Report Version: Rev. 01



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Release Record

Report No.	Version	Description	Issued Date
FR3D0401AE	Rev. 01	Initial issue	Mar. 18, 2014

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Summary of Test Results

FCC Rules	Test Items	Measured	Result
15.207	AC Power Line Conducted Emissions	[dBuV]: 0.303MHz 36.74 (Margin -13.41dB) - AV	Pass
15.247(d)	Radiated Emissions	[dBuV/m at 3m]: 4804.00MHz	Pass
15.209	Radiated Effissions	51.97 (Margin -2.03dB) - AV	Fd55
15.247(b)(3)	Fundamental Emission Output Power	Power [dBm]: 11.36	Pass
15.247(a)(2)	6dB Bandwidth	Meet the requirement of limit	Pass
15.247(e)	Power Spectral Density	Meet the requirement of limit	Pass
15.203	Antenna Requirement	Meet the requirement of limit	Pass

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1 General Description

1.1 Information

1.1.1 Specification of the Equipment under Test (EUT)

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

1.1.2 Antenna Details

Ant. No.	Туре	Gain (dBi)	Brand	Model
1	Chip antenna	-1.38	MAG.LAYERS	LTA-5320-2G4S3-A1

1.1.3 EUT Operational Condition

Type of Power Supply

1.1.4 Accessories

N/A

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1.1.5 Channel List

	Frequency	band (MHz)			2400~	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

1.1.6 Test Tool

Test tool HCI Tester V.3.0.0.24	
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1.1.7 Power Setting

Modulation Mode	Test Frequency (MHz)				
Modulation Mode	2402	2440	2480		
GFSK/1Mbps	0x10	0x10	0x10		

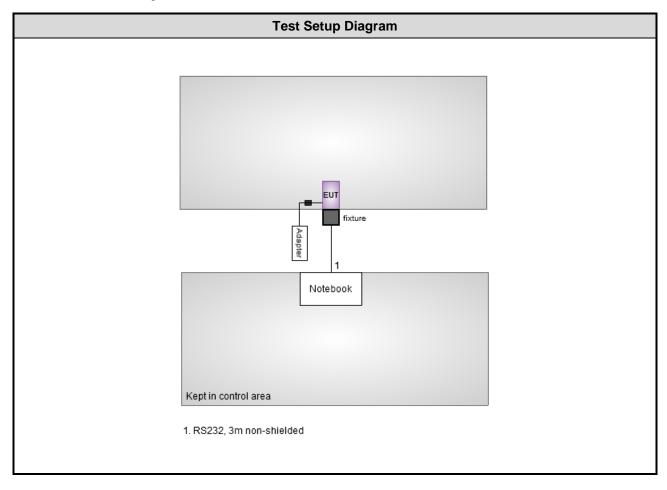
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1.2 Local Support Equipment List

	Support Equipment List								
No.	Equipment	Brand	Model	S/N	FCC ID	Signal cable / Length (m)			
1	Notebook	DELL	E5420		DoC	RS232, 3m non-shielded			
2	Fixture	Ampak	GT966X_EVB_IO BOARD_V00						
3	Adapter for fixture	LINKSYS	KSAFB0500100W 1US						

1.3 Test Setup Chart



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1.4 Test Equipment List and Calibration Data

Test Item	Conducted Emission	Conducted Emission						
Test Site	Conduction room 1 / (C	Conduction room 1 / (CO01-WS)						
Tested date	Dec. 18, 2013	Dec. 18, 2013						
Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Until			
EMC Receiver	R&S	ESCS 30	100169	Oct. 15, 2013	Oct. 14, 2014			
LISN	SCHWARZBECK MESS-ELEKTRONIK	Schwarzbeck 8127	8127-667	Nov. 23, 2013	Nov. 22, 2014			
LISN (Support Unit)	SCHWARZBECK MESS-ELEKTRONIK	Schwarzbeck 8127	8127-666	Dec. 04, 2013	Dec. 03, 2014			
RF Cable-CON	Woken	CFD200-NL	CFD200-NL-001	Apr. 24, 2013	Apr. 23, 2014			
50 ohm terminal (Support Unit)	NA	50	04	Apr. 22, 2013	Apr. 21, 2014			

Test Item	RF Conducted							
Test Site	(TH01-WS)	'H01-WS)						
Tested date	Feb. 26, 2014							
Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Until			
Spectrum Analyzer	R&S	FSV40	101063	Feb. 17, 2014	Feb. 16, 2015			
Power Meter	Anritsu	ML2495A	1241002	Oct. 24, 2013	Oct. 23, 2014			
Power Sensor	Anritsu	MA2411B	1207366	Oct. 24, 2013	Oct. 23, 2014			
Note: Calibration Inter	Note: Calibration Interval of instruments listed above is one year.							

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Test Item	Radiated Emission						
Test Site	966 chamber 2 / (03CH02-WS)						
Tested date	Feb. 11, 2014						
Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Until		
Spectrum Analyzer	R&S	FSV40	101499	Feb. 08, 2014	Feb. 07, 2015		
Receiver	R&S	ESR3	101657	Jan. 18, 2014	Jan. 17, 2015		
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-524	Jan. 08, 2014	Jan. 07, 2015		
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120D	BBHA 9120 D 1095	Jan. 07, 2014	Jan. 06, 2015		
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Dec. 27, 2013	Dec. 26, 2014		
Amplifier	Burgeon	BPA-530	100218	Dec. 09, 2013	Dec. 08, 2014		
Amplifier	Agilent	83017A	MY39501309	Dec. 09, 2013	Dec. 08, 2014		
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16140/4	Dec. 17, 2013	Dec. 16, 2014		
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16018/4	Dec. 17, 2013	Dec. 16, 2014		
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16015/4	Dec. 17, 2013	Dec. 16, 2014		
RF Cable-R03m	Woken	CFD400NL-LW	CFD400NL-003	Dec. 17, 2013	Dec. 16, 2014		
RF Cable-R10m	Woken	CFD400NL-LW	CFD400NL-004	Dec. 17, 2013	Dec. 16, 2014		
control	EM Electronics EM1000 060608 N/A N/A						
Note: Calibration Interval of instruments listed above is one year.							

Loop Antenna	R&S	HFH2-Z2	100330	Nov. 15, 2012	Nov. 14, 2014	
Amplifier	EM	EM18G40G	060572	Jun. 20, 2013	Jun. 19, 2015	
Note: Calibration Interval of instruments listed above is two year.						

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 C63.10-2009

FCC KDB 558074 D01 DTS Meas Guidance v03r01

Note: The EUT has been tested and complied with FCC part 15B requirement. FCC Part 15B test results are issued to another report.

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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	±35.286 Hz		
Conducted power	±0.536 dB		
Frequency error	±35.286 Hz		
Temperature	±0.3 °C		
Conducted emission	±2.946 dB		
AC conducted emission	±2.43 dB		
Radiated emission	±2.49 dB		

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2 Test Configuration

2.1 Testing Condition

Test Item	Test Site	Ambient Condition	Tested By
AC Conduction	CO01-WS	21°C / 60%	Skys Huang
Radiated Emissions	03CH02-WS	18°C / 66%	Aska Huang
RF Conducted	TH01-WS	21°C / 61%	Felix Sung

FCC site registration No.: 657002IC site registration No.: 10807A-2

2.2 The Worst Test Modes and Channel Details

Test item	Mode	Test Frequency (MHz)	Data Rate (Mbps)	Test Configuration
AC Power Line Conducted Emissions	BT LE	2402	1Mbps	-
Radiated Emissions ≤ 1GHz	BT LE	2402	1Mbps	-
Radiated Emissions > 1GHz	BT LE	2402, 2440, 2480	1Mbps	-
Fundamental Emission Output Power				
6dB bandwidth	BT LE	2402, 2440, 2480	1Mbps	-
Power spectral density				

NOTE:

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



3 Transmitter Test Results

3.1 AC Power Line Conducted Emissions

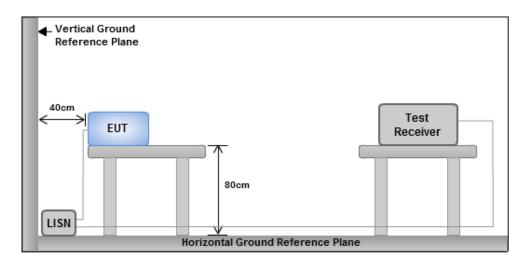
3.1.1 Limit of AC Power Line Conducted Emissions

Conducted Emissions Limit					
Frequency Emission (MHz) Quasi-Peak Average					
0.15-0.5	66 - 56 *	56 - 46 *			
0.5-5	56	46			
5-30 60 50					
Note 1: * Decreases with the logarithm of the frequency.					

3.1.2 Test Procedures

- 1. The device is placed on a test table, raised 80 cm above the reference ground plane. The vertical conducting plane is located 40 cm to the rear of the device.
- 2. The device is connected to line impedance stabilization network (LISN) and other accessories are connected to other LISN. Measured levels of AC power line conducted emission are across the 50 Ω LISN port.
- 3. AC conducted emission measurements is made over frequency range from 150 kHz to 30 MHz.
- 4. This measurement was performed with AC 120V/60Hz

3.1.3 Test Setup



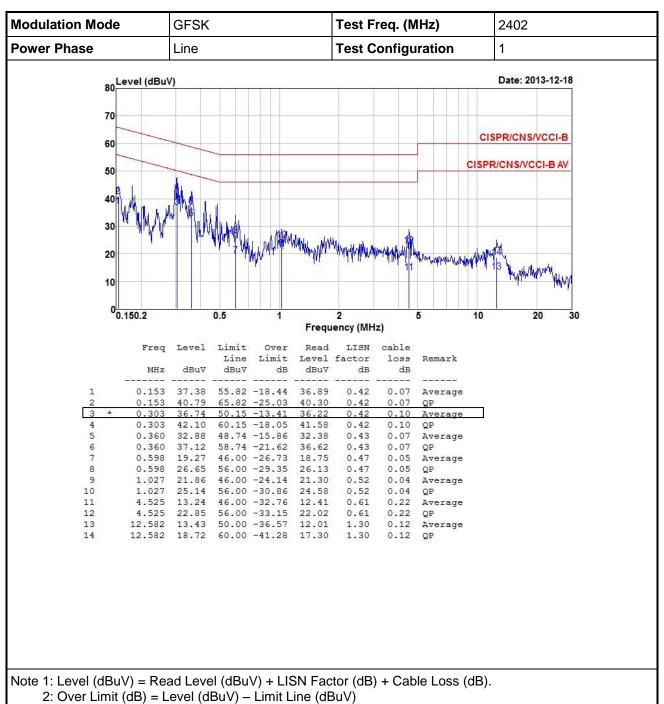
Note: 1. Support units were connected to second LISN.

Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes

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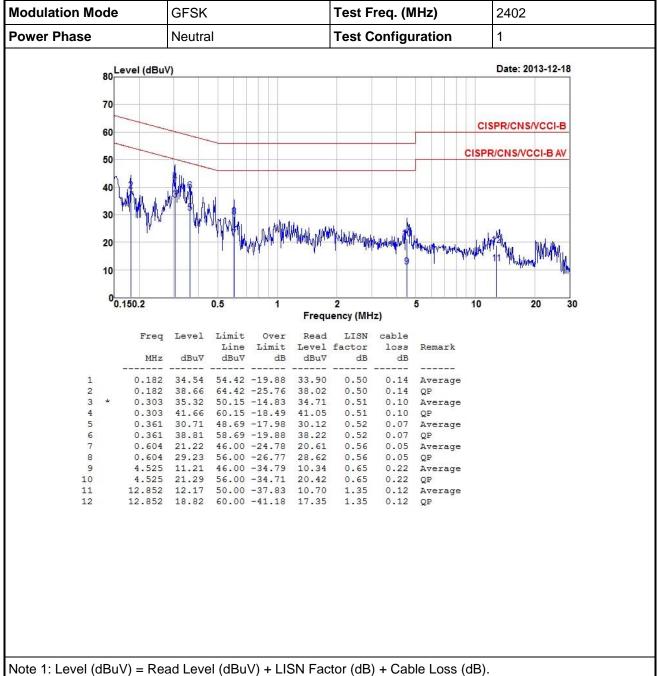


3.1.4 Test Result of Conducted Emissions



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Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB). 2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV)

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3.2 6dB and Occupied Bandwidth

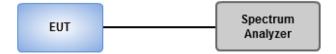
3.2.1 Limit of 6dB Bandwidth

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

3.2.2 Test Procedures

- 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.

3.2.3 Test Setup

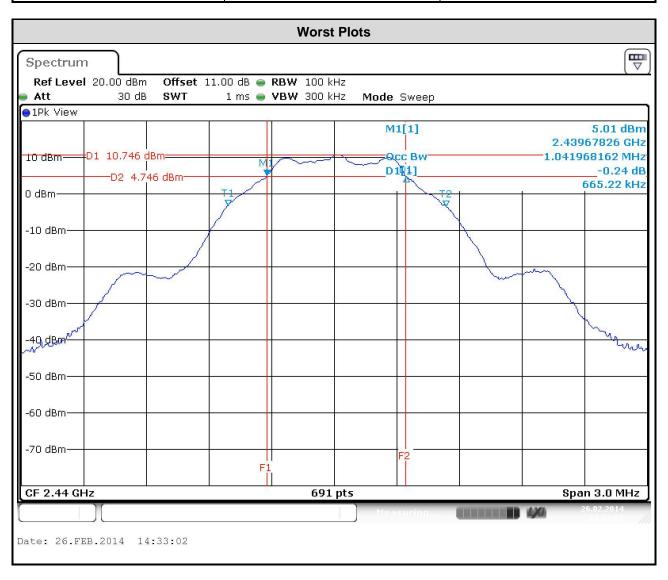


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3.2.4 Test Result of 6dB and Occupied Bandwidth

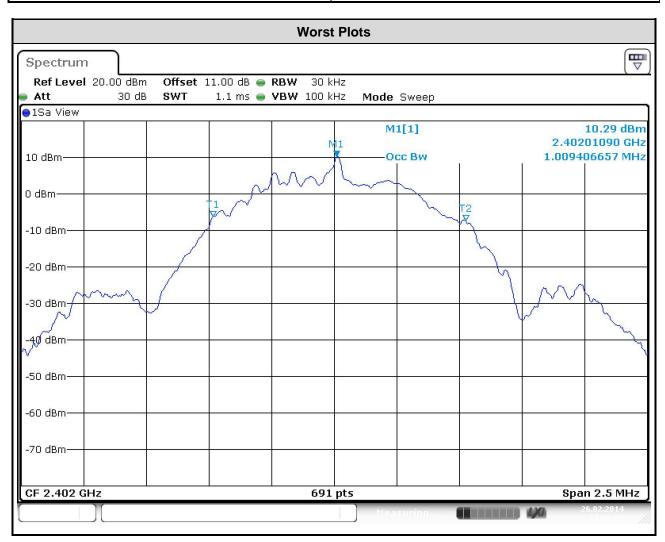
Freq. (MHz)	6dB Bandwidth (kHz)	Limit (kHz)
2402	669.570	500
2440	665.220	500
2480	665.220	500



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Freq. (MHz)	99% Occupied Bandwidth (MHz)
2402	1.0094
2440	1.0094
2480	1.0094



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3.3 RF Output Power

3.3.1 Limit of RF Output Power

Cor	duct	ed po	ower shall not exceed 1Watt.
\boxtimes	Ant	enna	gain <= 6dBi, no any corresponding reduction is in output power limit.
	Ant	enna	gain > 6dBi
		The	n Fixed, point to point operations. e conducted output power from the intentional radiator shall be reduced by the amount in dB the directional gain of the antenna exceeds 6 dB
		Sys Ope	ed, point to point operations tems operations. The 2400–2483.5 MHz band that are used exclusively for fixed, point-to-point erations, maximum peak output power of the intentional radiator is reduced by 1 dB for every 3 that the directional gain of the antenna exceeds 6 dBi.
			tems operating in the 5725–5850 MHz band that are used exclusively for fixed, point-to-point rations ,no any corresponding reduction is in transmitter peak output power
3.3.	2	Test	Procedures
\boxtimes	Max	kimur	m Peak Conducted Output Power
		Spe	ectrum analyzer
		1.	Set RBW = 1MHz, VBW = 3MHz, Detector = Peak.
		2.	Sweep time = auto, Trace mode = max hold, Allow trace to fully stabilize.
		3.	Use the spectrum analyzer channel power measurement function with the band limits set equal to the DTS bandwidth edges.
	\boxtimes	Pov	ver meter
		1.	A broadband Peak 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.
\boxtimes	Max	kimur	m Conducted Average Output Power (For reference only)
		Spe	ectrum analyzer
		1.	Set RBW = 1MHz, VBW = 3MHz, Detector = RMS.
		2.	Set the sweep time to: \geq 10 x (number of measurement points in sweep) x (maximum data rate per stream).
		3.	Perform the measurement over a single sweep.
		4.	Use the spectrum analyzer's band power measurement function with band limits set equal to the EBW(26dBc) band edges.
	\square	Pov	wor meter

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burst for measuring output power.

A broadband Average 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



3.3.3 Test Setup



3.3.4 Test Result of Maximum Output Power

Freq. (MHz)	Peak Conducted Power (dBm)	Limit (dBm)
2402	11.30	30
2440	11.36	30
2480	11.25	30

Freq. (MHz)	Average Conducted Power (dBm)	Limit (dBm)
2402	11.20	30
2440	11.25	30
2480	11.13	30

Note: Average power is for reference only.

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3.4 Power Spectral Density

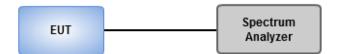
3.4.1 Limit of Power Spectral Density

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

3.4.2 Test Procedures

- Maximum peak conducted output power was used to demonstrate compliance to the fundamental output power limit.
 - Set the RBW = 3kHz, VBW = 10kHz.
 - 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.
- Maximum (average) conducted output power was used to demonstrate compliance to the fundamental output power limit.
 - 1. Set the RBW = 100kHz, VBW = 300 kHz.
 - 2. Detector = RMS, Sweep time = auto couple.
 - 3. Set the sweep time to: ≥ 10 x (number of measurement points in sweep) x (maximum data rate per stream).
 - 4. Perform the measurement over a single sweep.
 - 5. Use the peak marker function to determine the maximum amplitude level.\

3.4.3 Test Setup

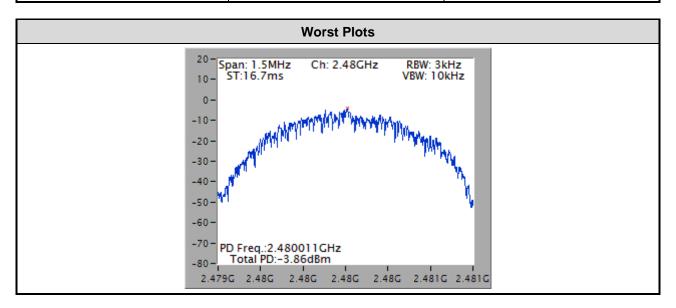


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3.4.4 Test Result of Power Spectral Density

Freq. (MHz)	Power Spectral Density (dBm / 3kHz)	Limit (dBm)
2402	-3.93	8
2440	-4.69	8
2480	-3.86	8



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3.5 Emissions in Restricted Frequency Bands

3.5.1 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

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.

3.5.2 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 a height of 0.8 m test table above the ground plane.
- 2. 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.

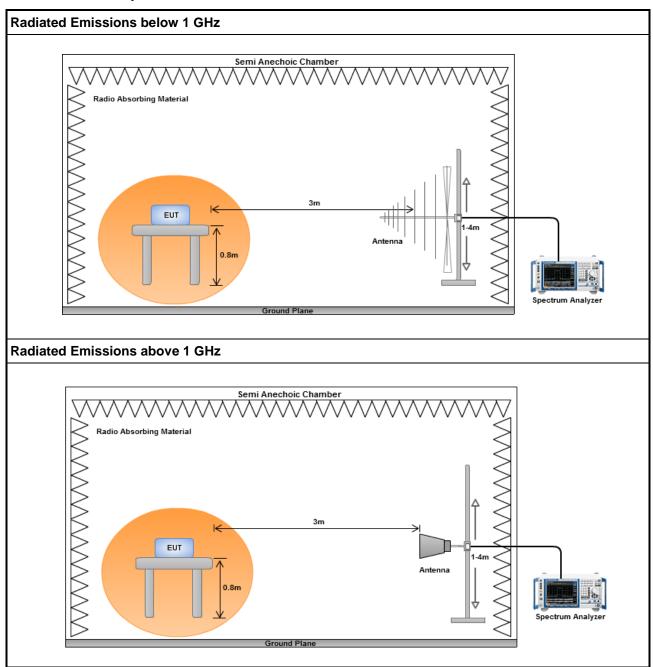
Note:

- 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.

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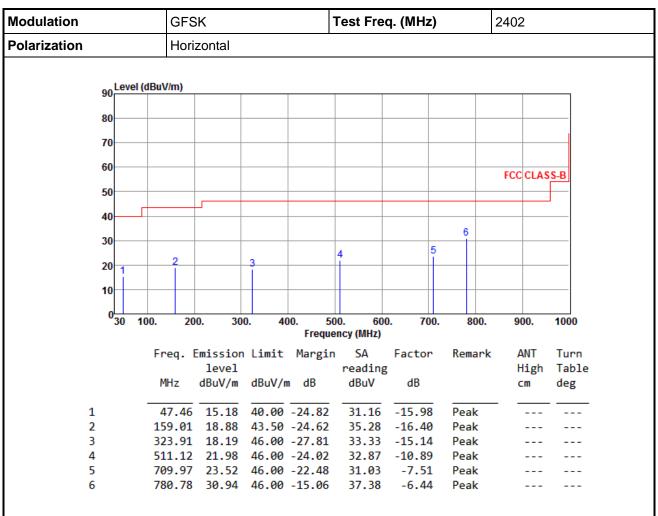
3.5.3 Test Setup



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3.5.4 Transmitter Radiated Unwanted Emissions (Below 1GHz)



Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

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Modulation	GFS	K			Test Fre	q. (MHz)	2402						
Polarization			Vert	Vertical									
			•										
	90 l	Level (dBuV/m)										
	80												
	70												
	60												
	60									FCC CLA	SS-B		
	50												
	40	Г									_		
	40												
	30	1			5 _								
	20	2	3	4	J 6								
	20												
	10												
	0												
		30 10	00. 20	0. 30	0. 4		00. 600 ency (MHz)	0. 700.	800.	900.	1000		
			Enoa	mission		Margir		Factor	Remark	ANT	Turn		
			rreq.	level	LIMIT	Hargi	reading		Kelliark	High			
			MHz	dBuV/m	dBuV/	m dB	dBuV	dB		cm	deg		
1			47.46	24.87		-15.13	40.85	-15.98	Peak				
2			63.95	20.61		-19.39	38.08	-17.47	Peak				
3			142.52			-23.08		-16.65	Peak				
4						-22.49		-18.79	Peak				
9			357.86 386.96	25.13		-20.87 -23.73	39.43	-14.30 -13.48	Peak Peak				
	•		300.96	22.21	46.00	-23./3	33.75	-13.48	reak				

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor, cable loss and amplifier gain

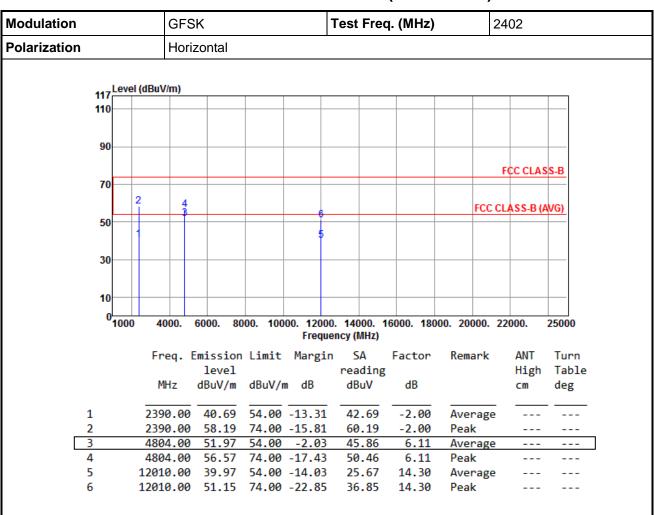
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

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



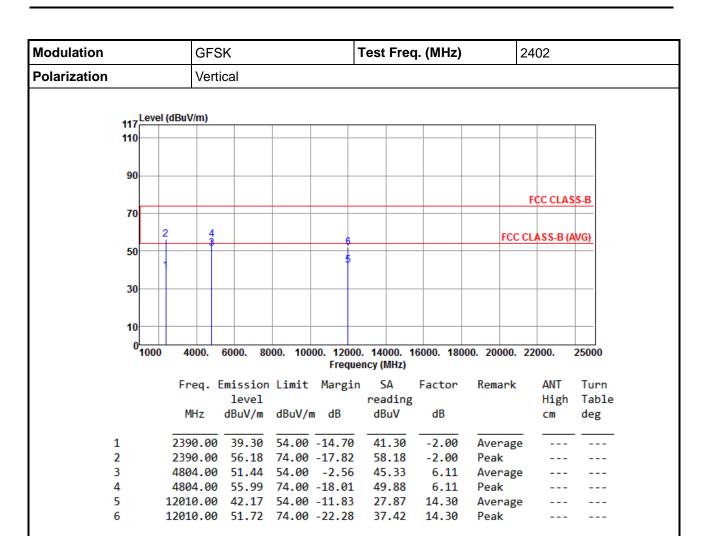
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

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Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

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Modulation	GFS	K			Test Fre	2440	440			
Polarization	Hori	Horizontal								
117 Level	(dBuV/m)									
110										
90										
70								FCC CLAS	92-B	
50	2	4		6			FCC	CLASS-B (A	WG)	
50		3		5						
30										
10										
01000	4000.	6000. 80	000. 100	000. 12000). 14000.	16000. 180	00. 20000.	22000.	25000	
				Freque	ency (MHz)					
	Freq. E		Limit	Margin		Factor	Remark	ANT	Turn	
	MI.I.	level	4D-377	- ID	reading			High	Table	
	MHz	dBuV/m	aBuv/	т ав	dBuV	dB		cm	deg	
1	4880.00	49.11	54.00	-4.89	42.85	6.26	Average			
2	4880.00			-19.36	48.38	6.26	Peak			
3	7320.00				31.97	11.99	Average			
4	7320.00				42.69	11.99	Peak			
5	12200.00	40.36	54.00	-13.64	26.15 37.36	14.21 14.21	Average Peak			

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

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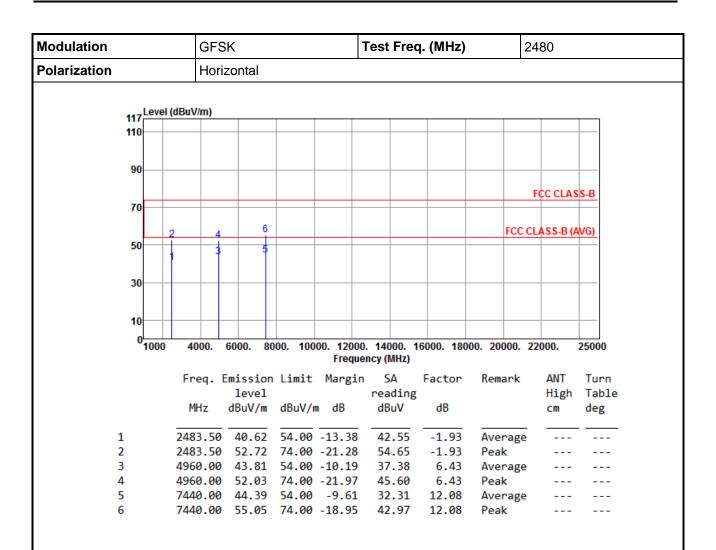
Modulation	GI	GFSK					Test Freq. (MHz) 24				
Polarization	Ve	Vertical									
	evel (dBuV/m)										
110											
90—											
									FCC CL	ASS-B	
70											
		2	4		6			FC	C CLASS-B	(AVG)	
50			3							`	
					1						
30-											
10											
_											
10	000 4000.	6000.	8000.	10000. 120 Fred	100. 140 uency (l		6000. 180	00. 20000). 22000.	25000	
	Frea.	Emissi	on Lim	it Marg			Factor	Remar	k ANT	Turn	
		leve				ding			Hig	h Table	
	MHz	dBuV/	m dBu	V/m dB	dB	uV	dB		cm	deg	
4	4880.6		1 54	00 -5.3		.35	6.26	A	_ —		
1 2	4880.6			00 -5.3 00 -19.5		. 18	6.26	Avera; Peak	ge		
3		00 48.7		00 -5.2		.74	11.99		ge		
4				00 -16.1		.86	11.99	Peak			
5		00 42.7		00 -11.2		.54	14.21	Avera	ge		
6	12200.6	DU 51.9	14 /4.	00 -22.0	ь 37	.73	14.21	Peak			

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

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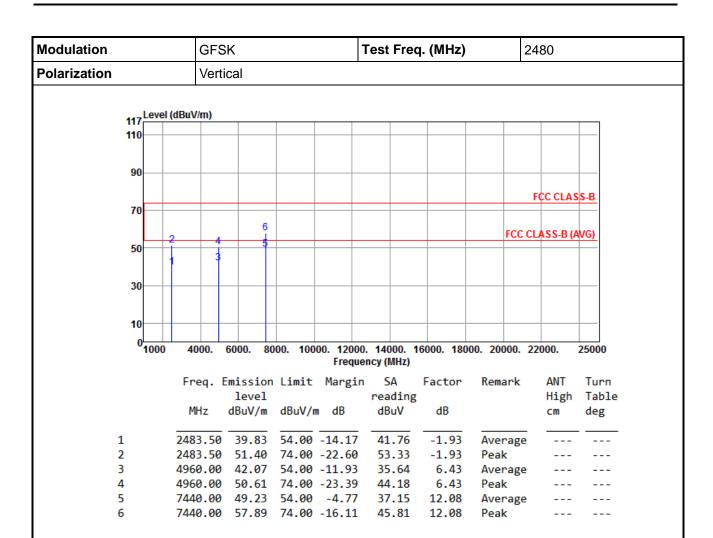
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

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Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor, cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

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3.6 Emissions in non-restricted Frequency Bands

3.6.1 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

3.6.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.6.3 Test Procedures

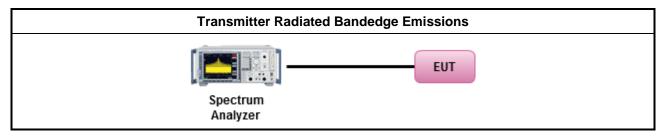
Reference level measurement

- 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

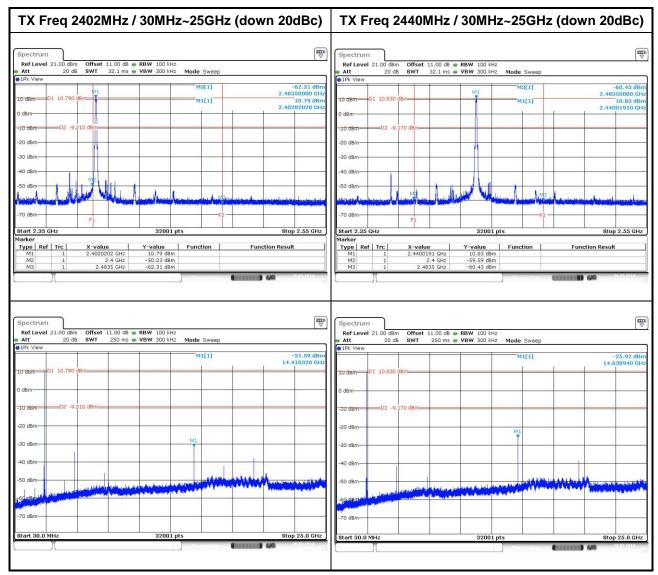
3.6.4 Test Setup



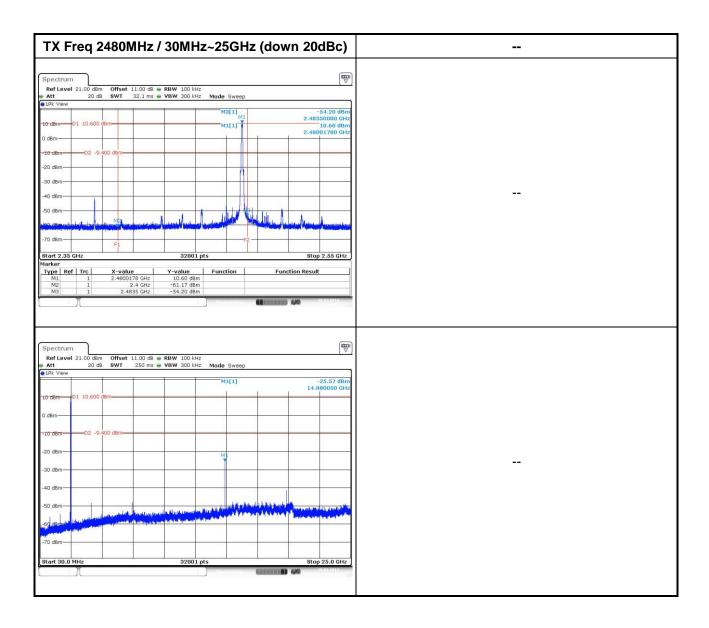
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3.6.5 Test Result of Emissions in non-restricted Frequency Bands



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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, 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 Hsiang. Location map can be found on our website http://www.icertifi.com.tw.

Linkou Kwei Shan

Tel: 886-2-2601-1640 Tel: 886-3-271-8666

No. 30-2, Ding Fwu Tsuen, Lin Kou District, New Taipei
City, Taiwan, R.O.C.

No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan
Hsiang, Tao Yuan Hsien 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

==END==

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