	FCC TEST REPORT FOR		
Videostrong Technology Co.,Ltd Android TV BOX Model No.: KB2			
Additic	onal Model No.: Please refer to page 6		
Prepared for Address	 Videostrong Technology Co.,Ltd 402A, Building B, Donglian Industrial 23rd District, Bao'an , Shenzhen, China 		
Prepared by Address Tel Fax Web	 Shenzhen LCS Compliance Testing Laboratory Ltd. 1/F., Xingyuan Industrial Park, Tongda Road, Bao'an Avenue, Bao'an District, Shenzhen, Guangdong, China (+86)755-82591330 (+86)755-82591332 www.LCS-cert.com 		
Mail Date of receipt of test sample	: webmaster@LCS-cert.com : November 01, 2016		
Number of tested samples Serial number Date of Test Date of Report	 November 01, 2010 Prototype November 01, 2016~November 22, 2016 November 22, 2016 		

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SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AGKBKB2XX Report No.: LCS1611010027E

	FCC TEST REPORT		
FCC CFR 47 PART 15 C(15.247): 2015			
Report Reference No	: LCS1611010027E		
Date of Issue	: November 22, 2016		
u	: Shenzhen LCS Compliance Testing Laboratory Ltd.		
	1/F., Xingyuan Industrial Park, Tongda Road, Bao'an Avenue, Bao'an District, Shenzhen, Guangdong, China		
Testing Location/ Procedure	 Full application of Harmonised standards ■ Partial application of Harmonised standards □ Other standard testing method □ 		
Applicant's Name	: Videostrong Technology Co.,Ltd		
Address	: 402A, Building B, Donglian Industrial 23rd District, Bao'an , Shenzhen, China		
Test Specification			
Standard	: FCC CFR 47 PART 15 C(15.247): 2015		
Test Report Form No	: LCSEMC-1.0		
TRF Originator	: Shenzhen LCS Compliance Testing Laboratory Ltd.		
Master TRF	: Dated 2011-03		

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Test Item Description :	Android TV BOX
Trade Mark :	N/A
Model/ Type reference :	KB2
Ratings:	DC 5.0V, 2.0A
Result:	Positive

Compiled by:

Jacky Li

Supervised by:

Approved by:

Jacky Li/ File administrators

Glin Lu/ Technique principal

Gavin Liang/ Manager

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FCC -- TEST REPORT

Test Report No. : LCS161	1010027E	<u>November 22, 2016</u> Date of issue		
EUT	: Android TV BOX			
Type / Model	: KB2			
Applicant	: Videostrong Technolo	ogy Co.,Ltd		
Address	: 402A, Building B, Dong Shenzhen, China	: 402A, Building B, Donglian Industrial 23rd District, Bao'an,		
Telephone		: 0755-27928980		
Fax	: 0755-27928980			
Manufacturer	· Videoetrong Toobnolo			
Address		lian Industrial 23rd District, Bao'an ,		
Telephone	Shenzhen, China			
Fax	: 0755-27928980			
-	: Videostrong Technolo			
Address	: 402A, Building B, Donglian Industrial 23rd District, Bao'an ,			
Telephone	Shenzhen, China • 0755-27928980			
-	: 0755-27928980			

Test Result	Positive
-------------	----------

The test report merely corresponds to the test sample.

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Revision History

Revision	Issue Date	Revisions	Revised By
00	2016-11-22	Initial Issue	Gavin Liang

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1. GENERAL INFORMATION

1.1 Description of Device (EUT)		
EUT	: Android TV BOX	
Model Number	: KB2,KB2 PRO,BB2,BB2 PRO,KB2x,BB2x(NOTE:x=A-Z Any one of letters)	
Model Declaration	: PCB board, structure and internal of these model(s) are the same, So no additional models were tested	
Test Model	: KB2	
Power Supply	: DC 5.0V, 2.0A	
Frequency Range	: 2402.00~2480.00MHz; 2412.00~2462.00MHz; 5180.00-5240.00MHz; 5745.00-5825.00MHz	
Bluetooth Version	: V4.0	
Channel Number	 : 79 Channels for BT V3.0; 40 Channels for BT LE; 11 Channels for WIFI 20MHz Bandwidth(802.11b/g/n-HT20); 4 Channels for 5180.00-5240.00MHz(802.11a/n-HT20/ac VHT20); 5 Channels for 5745.00-5825.00MHz(802.11a/n-HT20/ac VHT20); 2 Channels for 5190.00-5230.00MHz(802.11n-HT40/ac VHT40); 2 Channels for 5755.00-5795.00MHz(802.11n-HT40/ac VHT40); 1 Channels for 5210.00MHz(802.11 ac VHT80); 1 Channels for 5775.00MHz(802.11 ac VHT80) 	
Modulation Technology	 BT V3.0: FHSS(GFSK, π/4-DQPSK, 8-DPSK); BT LE: DSSS(GFSK); IEEE 802.11b: DSSS(CCK,DQPSK,DBPSK); IEEE 802.11g: OFDM(64QAM, 16QAM, QPSK, BPSK); IEEE 802.11n: OFDM(64QAM, 16QAM,QPSK,BPSK); IEEE 802.11a: OFDM(64QAM, 16QAM,QPSK,BPSK); IEEE 802.11ac: OFDM(64QAM, 16QAM,QPSK,BPSK); 	
Data Rates	: BT V3.0: 1~3Mbps; BT LE: 1Mbps; IEEE 802.11b: 1-11Mbps; IEEE 802.11g: 6-54Mbps; IEEE 802.11n: MCS0-MCS7; IEEE 802.11a: 6-54Mbps; IEEE 802.11ac: MCS0-MCS15	
Antonna Type And Cain	· D SMA antonna 2 0dPi	

Antenna Type And Gain : R-SMA antenna, 2.0dBi

1.2 Support equipment List

Manufacturer	Description	Model	Serial Number	Certificate
SHENZHEN KEYU POWER SUPPLY TECHNOLOGY CO., LTD	AC/DC ADAPTER	KA23-0502000 DES		VoC

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1.3 External I/O Cable

I/O Port Description	Quantity	Cable
DC	1	N/A
AV	1	N/A
TF	1	N/A
USB	2	N/A
HDMI	1	1.5m, Shielded
RJ45	1	N/A
OPTICAL	1	N/A

1.4 Description of Test Facility

CNAS Registration Number. is L4595. FCC Registration Number. is 899208. Industry Canada Registration Number. is 9642A-1. VCCI Registration Number. is C-4260 and R-3804. ESMD Registration Number. is ARCB0108. UL Registration Number. is 100571-492. TUV SUD Registration Number. is SCN1081. TUV RH Registration Number. is UA 50296516-001

The 3m-Semi anechoic test site fulfils CISPR 16-1-4 according to ANSI C63.4:2014 and CISPR 16-1-4:2010 SVSWR requirement for radiated emission above 1GHz.

1.5 Statement of The Measurement Uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. To CISPR 16 - 4 "Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements" and is documented in the LCS quality system acc. To DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

1.6 Measurement Uncertainty

Test Item		Frequency Range	Uncertainty	Note
		9KHz~30MHz	3.10dB	(1)
		30MHz~200MHz	2.96dB	(1)
Radiation Uncertainty	:	200MHz~1000MHz	3.10dB	(1)
		1GHz~26.5GHz	3.80dB	(1)
		26.5GHz~40GHz	3.90dB	(1)
Conduction Uncertainty	:	150kHz~30MHz	1.63dB	(1)
Power disturbance	:	30MHz~300MHz	1.60dB	(1)

(1). This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

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1.7 Description Of Test Modes

Bluetooth operates in the unlicensed ISM Band at 2.4GHz. With basic data rate feature, the data rates can be up to 1 Mb/s by modulating the RF carrier using GFSK techniques. The EUT works in the X-axis, Y-axis, Z-axis. The following operating modes were applied for the related test items. All test modes were tested, only the result of the worst case was recorded in the report.

Mode of Operations	Frequency Range (MHz)	Data Rate (Mbps)	
	2402	1/2/3	
BT V 3.0	2441	1/2/3	
	2480	1/2/3	
For Conducted Emission			
Test Mode	-	TX Mode	
For Radiated Emission			
Test Mode	-	TX Mode	

Worst-case mode and channel used for 150kHz-30 MHz power line conducted emissions was the mode and channel with the highest output power, that was determined to be TX(1Mbps).

Worst-case mode and channel used for 9kHz-1000 MHz radiated emissions was the mode and channel with the highest output power, that was determined to be TX(1Mbps-Low Channel).

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with ANSI C63.10-2013, FCC CFR PART 15C 15.207, 15.209, 15.247 and DA 00-705.

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 that intends to maximize its emission characteristics in a continuous normal application.

2.2 EUT Exercise

The EUT was operated in the engineering mode to fix the TX frequency that was for the purpose of the measurements.

According to its specifications, the EUT must comply with the requirements of the Section 15.207, 15.209, 15.247 under the FCC Rules Part 15 Subpart C.

2.3 General Test Procedures

2.3.1 Conducted Emissions

The EUT is directly placed on the ground. According to the requirements in Section 6.2.1 of ANSI C63.10-2013 Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using Quasi-peak and average detector modes.

2.3.2 Radiated Emissions

The EUT is placed on a turntable, which is directly placed on the ground. The turntable 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 maximum emissions, exploratory radiated emission measurements were made according to the requirements in Section 6.3 of ANSI C63.10-2013

3. SYSTEM TEST CONFIGURATION

3.1 Justification

The system was configured for testing in a continuous transmit condition.

3.2 EUT Exercise Software

N/A.

3.3 Special Accessories

N/A.

3.4 Block Diagram/Schematics

Please refer to the related document.

3.5 Equipment Modifications

Shenzhen LCS Compliance Testing Laboratory Ltd. has not done any modification on the EUT.

3.6 Test Setup

Please refer to the test setup photo.

4. SUMMARY OF TEST RESULTS

Applied Standard: FCC Part 15 Subpart C					
FCC Rules Description of Test Result					
§15.247(b)(1)	Maximum Conducted Output Power Compliar				
§15.247(c)	Frequency Separation And 20 dB Bandwidth	Compliant			
§15.247(a)(1)(ii)	Number Of Hopping Frequency	Compliant			
§15.247(a)(1)(iii)	Time Of Occupancy (Dwell Time)	Compliant			
§15.209, §15.205	Conducted Spurious Emissions and Band Edges Test	Compliant			
§15.209, §15.247(d)	Radiated and Conducted Spurious Emissions	Compliant			
§15.205	Emissions at Restricted Band	Compliant			
§15.207(a)	§15.207(a) Conducted Emissions				
§15.203	Antenna Requirements	Compliant			
§15.247(i)§2.1093	RF Exposure	Compliant			

5. SUMMARY OF TEST EQUIPMENT

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1	Power Sensor	R&S	NRV-Z51	100458	2016-06-18	2017-06-17
2	Power Sensor	R&S	NRV-Z32	100-100	2016-06-18	2017-06-17
3	Power Meter	R&S	NRVS	100444	2016-06-18	2017-06-17
4	DC Filter	MPE	23872C	N/A	2016-06-18	2017-06-17
5	RF Cable	Harbour Industries	1452	N/A	2016-06-18	2017-06-17
6	SMA Connector	Harbour Industries	9625	N/A	2016-06-18	2017-06-17
7	Spectrum Analyzer	Agilent	N9020A	MY50510140	2016-10-27	2017-10-26
8	Signal analyzer	Agilent	E4448A(Exter nal mixers to 40GHz)	US44300469	2016-06-16	2017-06-15
9	RF Cable	Hubersuhne	Sucoflex104	FP2RX2	2016-06-18	2017-06-17
10	3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	2016-06-18	2017-06-17
11	Amplifier	SCHAFFNER	COA9231A	18667	2016-06-18	2017-06-17
12	Amplifier	Agilent	8449B	3008A02120	2016-06-16	2017-06-15
13	Amplifier	MITEQ	AMF-6F-2604 00	9121372	2016-06-16	2017-06-15
14	Loop Antenna	R&S	HFH2-Z2	860004/001	2016-06-18	2017-06-17
15	By-log Antenna	SCHWARZBEC K	VULB9163	9163-470	2016-06-10	2017-06-09
16	Horn Antenna	EMCO	3115	6741	2016-06-10	2017-06-09
17	Horn Antenna	SCHWARZBEC K	BBHA9170	BBHA9170154	2016-06-10	2017-06-09
18	RF Cable-R03m	Jye Bao	RG142	CB021	2016-06-18	2017-06-17
19	RF Cable-HIGH	SUHNER	SUCOFLEX 106	03CH03-HY	2016-06-18	2017-06-17
20	EMI Test Receiver	ROHDE & SCHWARZ	ESCI	101142	2016-06-18	2017-06-17
21	Artificial Mains	ROHDE & SCHWARZ	ENV216	101288	2016-06-18	2017-06-17
22	EMI Test Software	AUDIX	E3	N/A	2016-06-18	2017-06-17

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6. ANTENNA PORT MEASUREMENT

6.1 Peak Power

6.1.1 Block Diagram of Test Setup



DC Filter

6.1.2 Limit

According to §15.247(b)(1), For frequency hopping systems operating in the 2400–2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725–5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400–2483.5 MHz band: 0.125 watts.

6.1.3 Test Procedure

Use the following spectrum analyzer settings:

Span = approximately 5 times the 20 dB bandwidth, centered on a hopping channel

RBW > the 20 dB bandwidth of the emission being measured

 $\mathsf{VBW} \geq \mathsf{RBW}$

Sweep = auto

Detector function = peak

Trace = max hold

Allow the 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

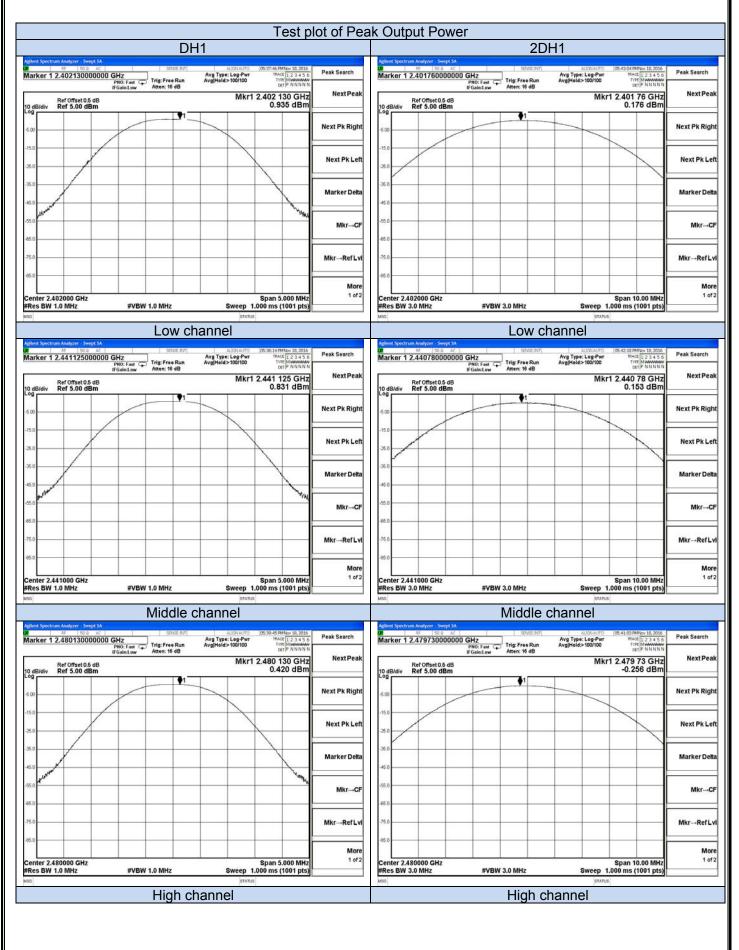
Channel	Frequency (MHz)	Peak Output Power (dBm)	Peak Output Power (mw)	Limit (mW)	Result
	2402	0.935	1.240	1000	Pass
GFSK	2441	0.831	1.211	1000	Pass
	2480	0.420	1.102	1000	Pass
	2402	0.176	1.041	125	Pass
π /4-DQPSK	2441	0.153	1.036	125	Pass
	2480	-0.256	0.943	125	Pass
	2402	0.497	1.121	125	Pass
8-DPSK	2441	0.447	1.108	125	Pass
	2480	0.011	1.003	125	Pass

6.1.4 Test Results

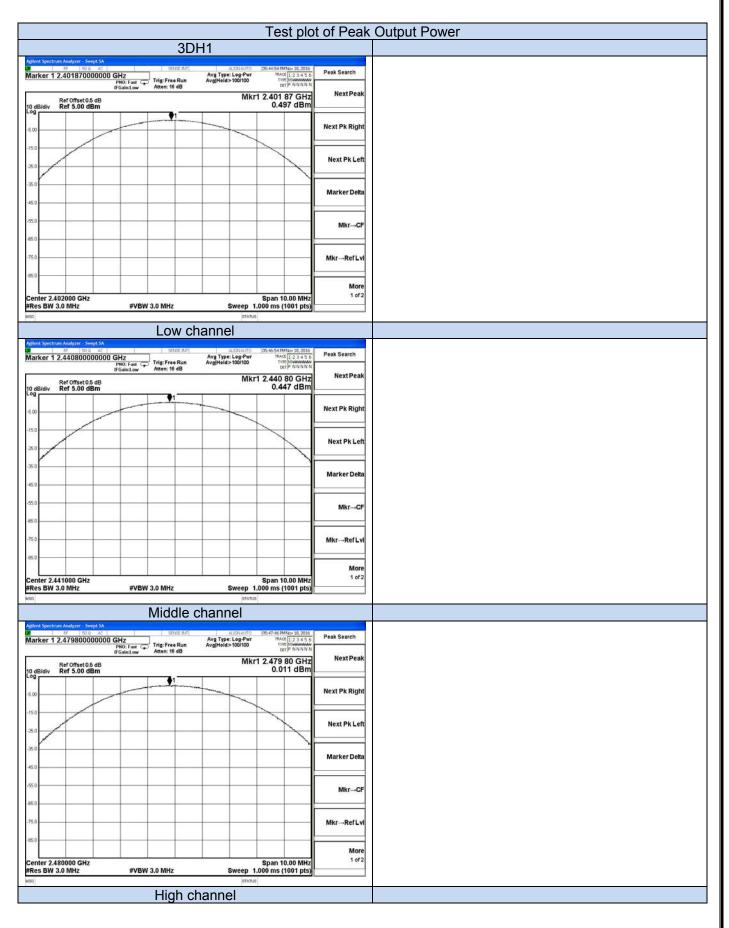
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SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AGKBKB2XX

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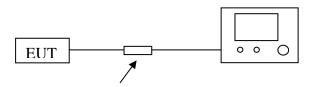
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6.2 Frequency Separation And 20 dB Bandwidth

6.2.1 Limit

According to §15.247(c) or A8.1(a), in any 100 kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator in operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in15.209(a).

6.2.2 Block Diagram of Test Setup



DC Filter

6.2.3 Test Procedure

Frequency separation test procedure :

1). Place the EUT on the table and set it in transmitting mode.

2). Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the Spectrum Analyzer.

3). Set center frequency of Spectrum Analyzer = middle of hopping channel.

4). Set the Spectrum Analyzer as RBW = 100kHz, VBW = 300kHz, Span = wide enough to capture the peaks of two adjacent channels, Sweep = auto.

5). Max hold, mark 2 peaks of hopping channel and record the 2 peaks frequency.

20dB bandwidth test procedure :

1). Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a hopping channel.

- 2). RBW ≥1% of the 20 dB bandwidth, VBW ≥RBW.
- 3). Detector function = peak.

4). Trace = max hold.

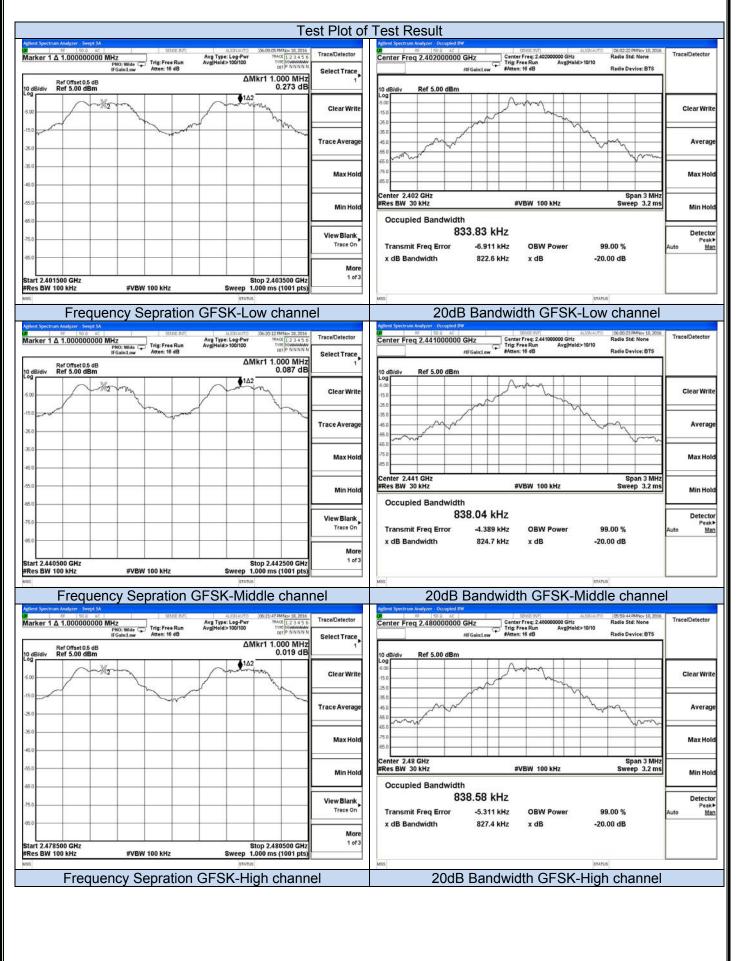
6.2.4 Test Results

The Measurement Result With 1Mbps For GFSK Modulation						
Channel	20dB Bandwidth (kHz)	Channel Separation (MHz)	Limit (MHz)	Result		
Low	822.60		>=25 KHz or 20 dB BW	Pass		
Middle	824.70	1.000	>=25 KHz or 20 dB BW	Pass		
High	827.40		>=25 KHz or 20 dB BW	Pass		
The	Measurement Resul	t With 2Mbps For π /4	-DQPSK Modulati	on		
Channel	20dB Bandwidth (MHz)	Channel Separation (MHz)	Limit (MHz)	Result		
Low	1.117		>=25 KHz or 2/3 20 dB BW	Pass		
Middle	1.119	1.000	>=25 KHz or 2/3 20 dB BW	Pass		
High	1.119		>=25 KHz or 2/3 20 dB BW	Pass		
Tł	The Measurement Result With 3Mbps For 8-DPSK Modulation					
Channel	20dB Bandwidth (MHz)	Channel Separation (MHz)	Limit (MHz)	Result		
Low	1.268		>=25 KHz or 2/3 20 dB BW	Pass		
Middle	1.267	1.000	>=25 KHz or 2/3 20 dB BW	Pass		
High	1.265		>=25 KHz or 2/3 20 dB BW	Pass		

Note: The test data refer to the following page.

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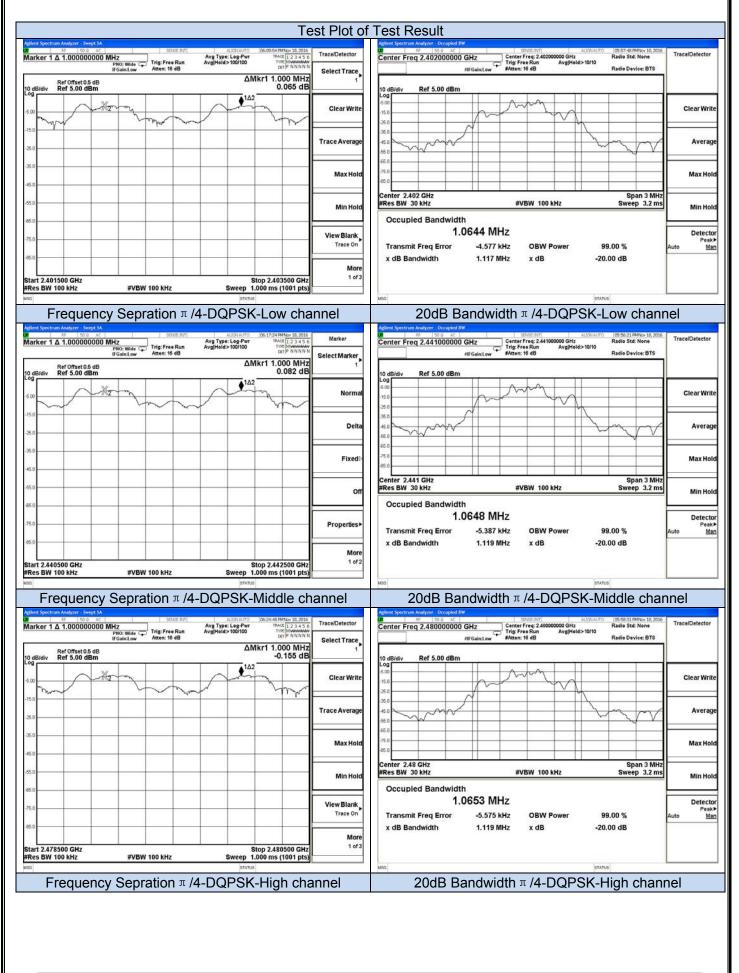
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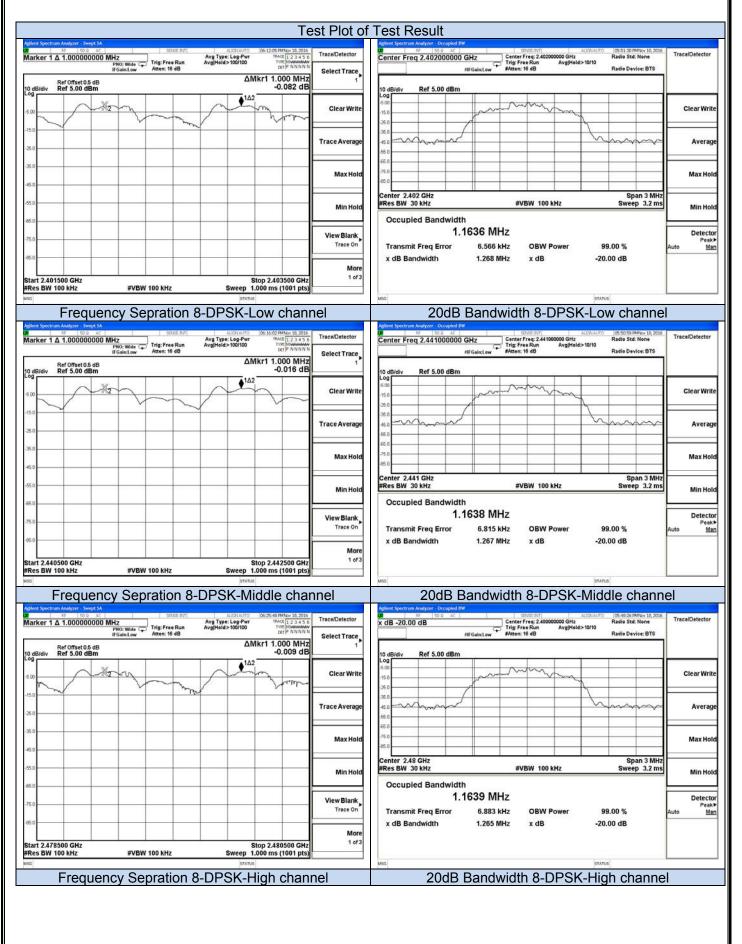
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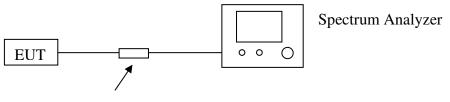
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6.3 Number Of Hopping Frequency

6.3.1 Limit

According to §15.247(a)(1)(ii) or A8.1 (d), Frequency hopping systems operating in the band 2400-2483.5 MHz shall use at least 15 hopping channels.

6.3.2 Block Diagram of Test Setup



DC Filter

6.3.3 Test Procedure

1). Place the EUT on the table and set it in transmitting mode.

2). Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the Spectrum Analyzer.

3). Set Spectrum Analyzer Start=2400MHz, Stop = 2483.5MHz, Sweep = auto.

4). Set the Spectrum Analyzer as RBW, VBW=1MHz.

5). Max hold, view and count how many channel in the band.

6.3.4 Test Results

The Measuremer	nt Result With The Wors	t Case of 1Mbps For	GFSK Modulation
Total No. of	Measurement Result (No. of Ch)	Limit (MHz)	Result
Hopping Channel	79	≥15	Pass

Note: The test data refer to the following page.

	Test plot of	Number Of Hopping Frequency	
Bent Spectrum Analyzer - Swept SA	1014 01 0.5 0.5 cm		
arker 1 & 78.00000000 MHz	AUXPLAUTO 06:04:33 PMNov 10, 2016 Avg Type: Log-Pwr TRACE 1: 2:3:45.6 ree Run Avg[Held>100/100 Type Medwawawa 16.dB DIF P.N.N.N.N	Trace/Detector	
PNO: Fast 🖵 ' Trig: F IFGain:Low Atten:		_ Select Trace	
Ref Offset 0.5 dB dB/div Ref 5.00 dBm	∆Mkr1 78.000 0 MHz -0.589 dB		
	Δ2 ²	Clear Write	
0		Trace Average	
0		Max Hold	
0		Min Hold	
0			
0		View Blank Trace On	
.0		More	
art 2.40000 GHz Res BW 1.0 MHz #VBW 1.0 MH	Stop 2.48350 GHz Hz Sweep 1.000 ms (1001 pts)	1 of 3	
2	STATUS	1	

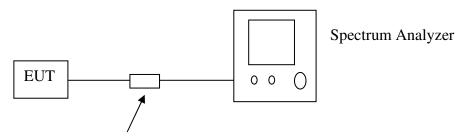
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6.4 Time Of Occupancy (Dwell Time)

6.4.1 Limit

According to §15.247(a)(1)(iii) or A8.1 (d), Frequency hopping systems operating in the 2400MHz-2483.5 MHz bands. The average time of occupancy on any channels shall not greater than 0.4 s within a period 0.4 s multiplied by the number of hopping channels employed.

6.4.2 Block Diagram of Test Setup



DC Filter

6.4.3 Test Procedure

1). Place the EUT on the table and set it in transmitting mode.

2). Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the Spectrum Analyzer.

3). Set center frequency of Spectrum Analyzer = operating frequency.

4). Set the Spectrum Analyzer as RBW, VBW=1MHz, Span = 0Hz, Sweep = auto.

5). Repeat above procedures until all frequency measured were complete.

6.4.4 Test Results

The Measurement Result						
Test Mode	Time of Pulse (ms)	Number of Pulse in 31.6s Period Time	Dwell Time (ms)	Limit (ms)		
DH1-2441MHz	0.370	317	117.290	400		
DH3-2441MHz	1.632	165	269.280	400		
DH5-2441MHz	2.880	104	299.520	400		
2DH1-2441MHz	0.370	318	117.660	400		
2DH3-2441MHz	1.620	166	268.920	400		
2DH5-2441MHz	2.880	105	302.400	400		
3DH1-2441MHz	0.370	317	117.290	400		
3DH3-2441MHz	1.624	166	269.584	400		
3DH5-2441MHz	2.880	104	299.520	400		

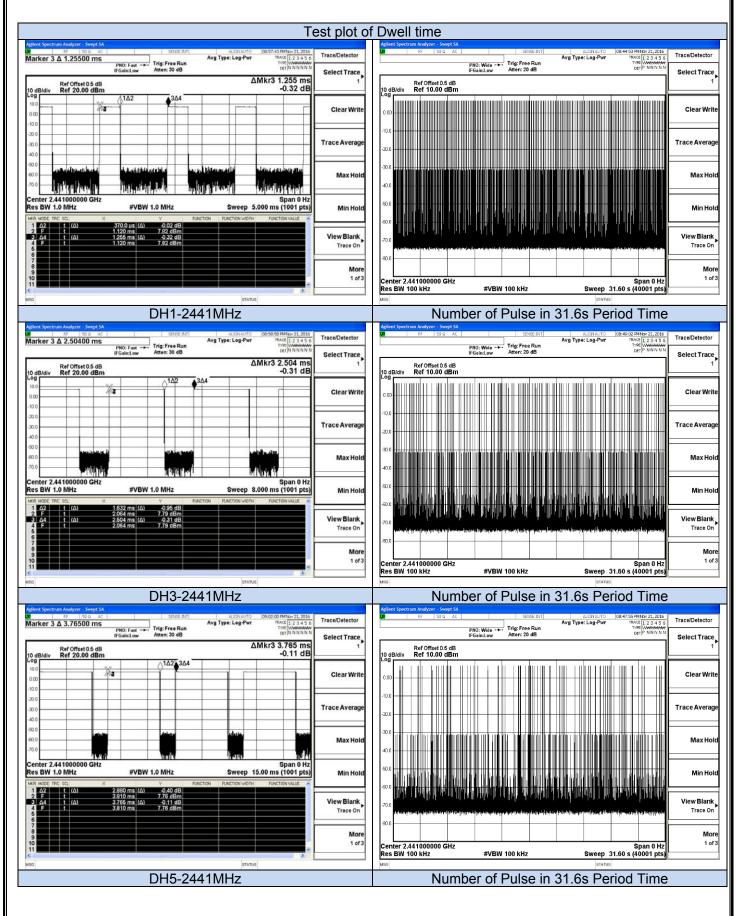
Note:

Dwell time= Time of Pulse * Numbers of Pulse in 31.6s Period Time

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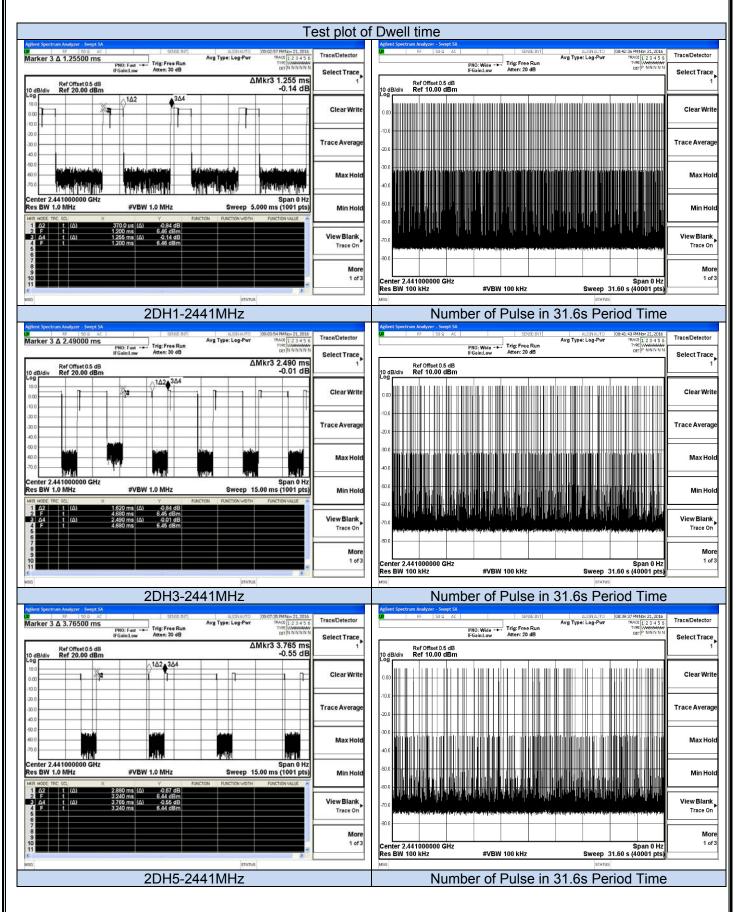
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FCC ID: 2AGKBKB2XX

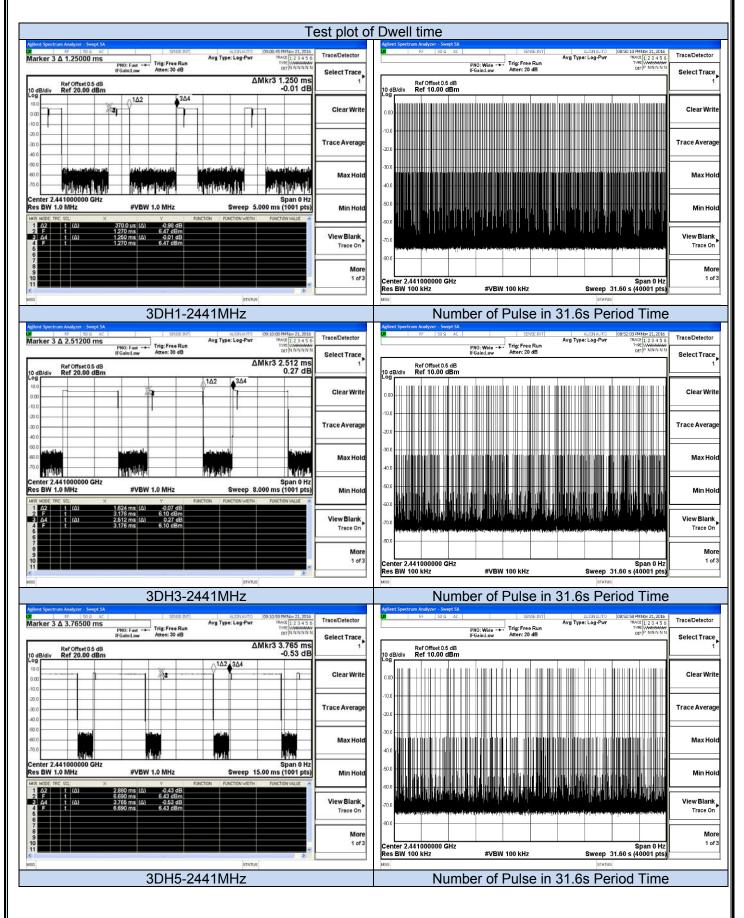
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FCC ID: 2AGKBKB2XX

Report No.: LCS1611010027E



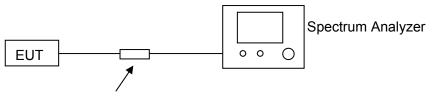
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6.5 Conducted Spurious Emissions and Band Edges Test

6.5.1 Limit

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. Attenuation below the general limits specified in Section 15.209(a) is not required.

6.5.2 Block Diagram of Test Setup



DC Filter

6.5.3 Test Procedure

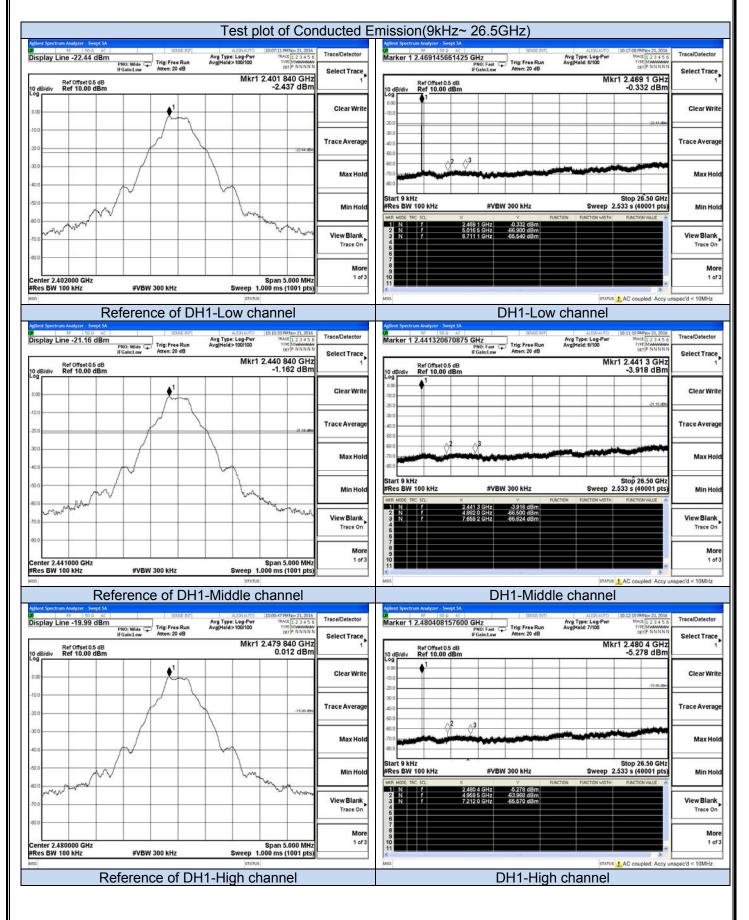
Conducted RF measurements of the transmitter output were made to confirm that the EUT antenna port conducted emissions meet the specified limit and to identify any spurious signals that require further investigation or measurements on the radiated emissions site.

The transmitter output is connected to the spectrum analyzer. The resolution bandwidth is set to 100 KHz. The video bandwidth is set to 300 KHz.

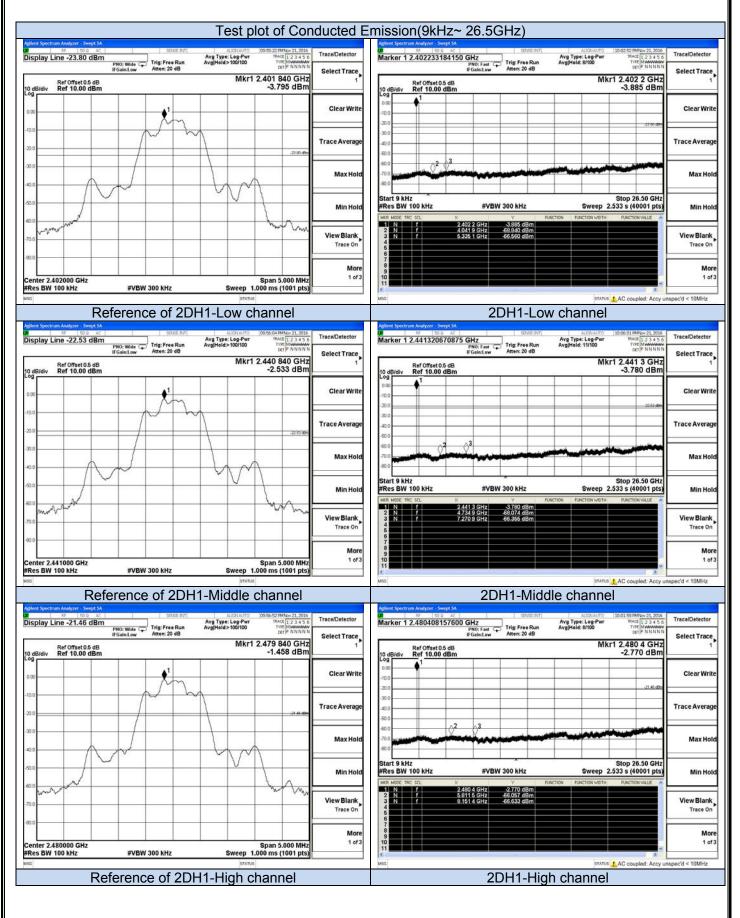
Measurements are made over the 9kHz to 26.5GHz range with the transmitter set to the lowest, middle, and highest channels

6.5.4 Test Results of Conducted Spurious Emissions

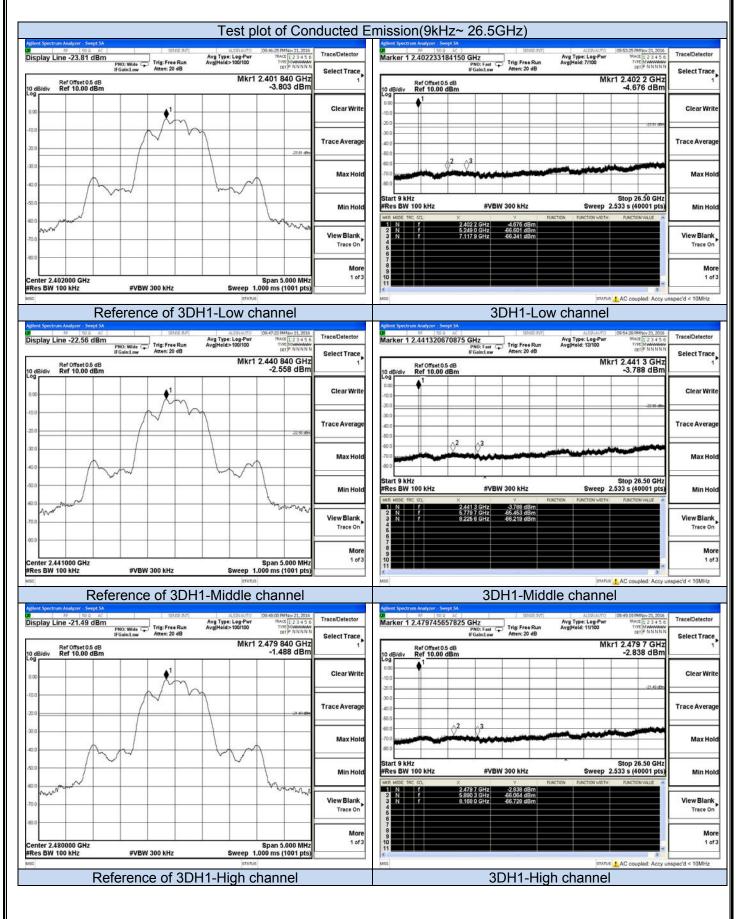
No non-compliance noted. Only record the worst test result (TX-GFSK) in this report. The test data refer to the following page.



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Report No.: LCS1611010027E

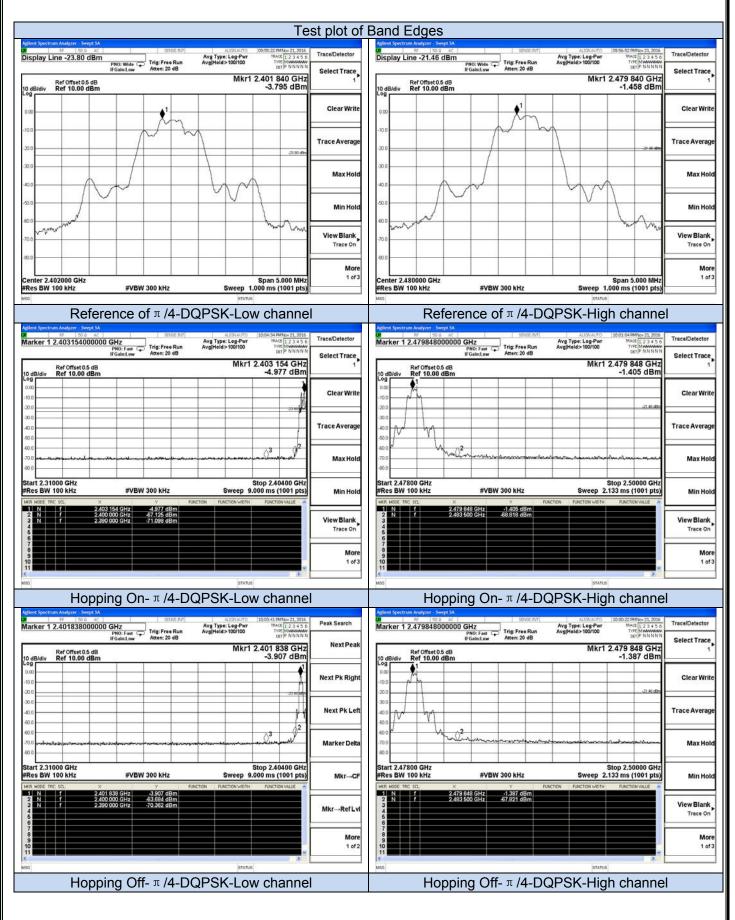
6.5.5 Test Results of Band Edges Test

Bit Document	To that Your many the tensor (have I)	Test plot of	Band Edges
Dependence of the second of th		PMNov 21, 2016 ACE 1 2 3 4 5 6 Trace/Detector	
Providenci de la construcción de la con	DISDIAY LINE -22.44 dBm PNO: Wide Trig: Free Run Avg Held>100/100 T IF Galad ww Atten: 20 dB	DIT P NNNN	PNO: Wide Trig: Free Run Avg Hold>100/100
Image: construction of the second of the	Bef Offset 0.5 dB Mkr1 2.401	840 GHz	Ref Offset 0.5 dB Mkr1 2.479 840 GHz
Image: Series		Clear Write	
Image: span set of span			TraceA
Image: server 12 402892 00 0Hz Span 5.00 MHz <		Max Hold	Ma
Image: definition of the second of the se		Min Hold	
Exercise 24.2000 GHz PUBW 300 MHz Stant 500 MHz Stant 500 MHz Stant 500 MHz Mark Market PUBW 300 MHz Stant 500 MHz	man white		200 mmm Viewe
Picket Picket <td>Center 2.402000 GHz Span</td> <td>1293 C</td> <td>Center 2.480000 GHz Span 5.000 MHz</td>	Center 2.402000 GHz Span	1293 C	Center 2.480000 GHz Span 5.000 MHz
North Start 2.4013 Autornal Base of the factor and the	#Res BW 100 kHz #VBW 300 kHz Sweep 1.000 ms	s (1001 pts)	#Res BW 100 kHz #VBW 300 kHz Sweep 1.000 ms (1001 pts)
Note: Note: <th< td=""><td>Reference of GFSK-Low chan</td><td>nel</td><td>Reference of GFSK-High channel</td></th<>	Reference of GFSK-Low chan	nel	Reference of GFSK-High channel
Marker 1 24/0361/2000/000 File Tigg Free Run Mage files 100100 Tigg Free Run Marker 124/0360/0000/01 Mint 124/0380/00000/01 Select Trail 0 dBdark Ref 10.00 dBm -2.336 dBm Next Pekk Next Pekkk Next Pekkk Next Pekkkk<	20 RF 55.0 AC SENSE:NT ALCONAUTO 10:16:161	PMNov 21, 2016 Peak Search	Addent Spectrum Analyzer - Swept SA 20 8F 50 9 AC SENSE INT ALLOLAUTO 10.15-46 FMNov 21, 2016
Indexter 12.40183880000000 GHz Stop 2.50000 GHz Narker 12.4018380000000 GHz Nar	IFGainct.ow Atten: 20 dB	DET P NNNNN	Indiker 1 2.4/9646000000 GHZ Trig: Free Run Avgileide> 100/100 crift Minnin Select 1
Implementation Imple	10 dB/div Ref 10.00 dBm -2.3		10 dB/div Ref 10.00 dBm 0.004 dBm
Image: state 1 2.01000 GHz FVBW 300 KHz Stop 2.040400 GHz Marker Deta Image: state 2.01000 GHz FVBW 300 KHz Stop 2.40400 GHz Marker Deta Image: state 2.0100 GHz FVBW 300 KHz Stop 2.40400 GHz Marker Deta Image: state 2.0100 GHz FVBW 300 KHz Stop 2.40400 GHz Marker Deta Image: state 2.0100 GHz FVBW 300 KHz Stop 2.40400 GHz Marker Deta Image: state 2.0100 GHz FVBW 300 KHz Stop 2.40400 GHz Marker Deta Image: state 2.0100 GHz FVBW 300 KHz Stop 2.40400 GHz Marker Deta Image: state 2.0100 GHz FVBW 300 KHz Stop 2.4100 FVBW 300 KHz Stop 2.133 ms (1001 pts) Image: state 2.0100 GHz FVBW 300 KHz FVBW 300 KHz FVBW 300 KHz FVBW 300 KHz Image: state 2.010 FVBW 300 GHz FVBW 300 KHz FVBW 300 KHz FVBW 300 KHz FVBW 300 KHz Image: state 2.010 FVBW 300 GHz FVBW 300 KHz Image: state 2.010 FVBW 300 GHz FVBW 300 KHz Image: state 3.010 KHz FVBW 300 KHz FVB	-10.0	Next Pk Right	
Marker 1 2.400 Gold CH2 Stop 2.40400 GH2 Marker Deta Marker Deta Marker Deta Marker 1 2.4018338000000 GH2 Stop 2.40400 GH2 Marker 1 2.4018338000000 GH2 Stop 2.40400 GH2 Marker 1 2.4018338000000 GH2 Stop 2.40400 GH2 Marker 1 2.4018388000000 GH2 Stop 2.50000 GH2 Marker 1 2.4018388000000 GH2 Stop 2.50000 GH2 Marker 1 2.4018388000000 GH2 Marker 1 2.4018388000000 GH2	-40.0		.40.0 Trace Av
PRes BW 100 kHz #VBW 300 kHz Sweep 9.000 ms (1001 pts) Mkr-GF MR HODE TRC SQ, X Y Traction worth	1700 mar - se and an and a second	Marker Delta	1700 My manufacture and a manufacture of the second manufacture of the second manufacture of the second sec
A Image: Constraint of the sector of the s	#Res BW 100 kHz #VBW 300 kHz Sweep 9.000 ms		#Res BW 100 kHz #VBW 300 kHz Sweep 2.133 ms (1001 pts) Mi
101 101 <td>1 N f 2.403 B12 GHz -2.376 dBm 2 N f 2.400 000 GHz -66.491 dBm 3 N f 2.380 000 GHz -70.906 dBm 4 5</td> <td>Mkr→RefLvl</td> <td>3 View B</td>	1 N f 2.403 B12 GHz -2.376 dBm 2 N f 2.400 000 GHz -66.491 dBm 3 N f 2.380 000 GHz -70.906 dBm 4 5	Mkr→RefLvl	3 View B
Hopping On-GFSK-Low channel Addred Spectrum Analyzer - Swept SA 40 100 add 1	9 9 10		
Agitest Spectrum Analyzer Swigt SA Agitest Spectrum Analyzer Swigt SA Warker 1 2.401838000000 GHz PN0: Fast Trig: Free Run AvgTipe: Log-Pur Trig: Free Run	NSO STATUS		K STATUS
Agitest Spectrum Analyzer Swigt SA Agitest Spectrum Analyzer Swigt SA Warker 1 2.401838000000 GHz PN0: Fast Trig: Free Run AvgTipe: Log-Pur Trig: Free Run	Hopping On-GFSK-Low chanr	nel	Hopping On-GFSK-High channel
Marker 1 2.401838000000 GHz Trig: Free Run AvgHeids 100100 The Classes Trig: Free Run AvgHeids 100100 The Class	Agilent Spectrum Analyzer - Swept SA 00 RF 50 0 AC SENSE (NT AUSTRAUTO 10:15:16)	PMNov 21, 2016	Addent Spectrum Analyzer - Swept SA 20 8F 50 9 AC SENSE INT ALLOLAUTO 10.15:06 FMNov 21, 2016
Ref Offset 0.5 dB Mkr1 2.401 838 GHz 1 Ref Offset 0.5 dB Mkr1 2.479 848 GHz 1	PHOL: Fast Trig: Free Run Avg Heid>100/100 Trig: Free Run Avg	B38 GHZ Select Trace	Indiker Z.47/964600000000000000000000000000000000000
300 300 Trace Average 300 300 Trace Average 300 100	-300		300 400 Trace Av
Max Hold Max H	60.0 70.0	<u> </u>	100 Manual Man
Start 2.31000 GHz #VBW 300 kHz Stop 2.40400 GHz #Res BW 100 kHz #VBW 300 kHz Stop 2.40400 GHz #Res BW 100 kHz #VBW 300 kHz Stop 2.30000 GHz Min Hold #Res BW 100 kHz #VBW 300 kHz Stop 2.30000 GHz Min Hold #Res BW 100 kHz #VBW 300 kHz Stop 2.30000 GHz	\$top 2.4 \$top 2.4 #Res BW 100 kHz \$VBW 300 kHz \$Weep 9.000 ms	(1001 pts) Min Hold	Start 2.47800 GHz Stop 2.50000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 2.133 ms (1001 pts) Mi
Name Product No. Sci. X Y Value Inc. Sci. X Y Y Value Inc. Sci. X Y Y Y Value Inc. Sci. X Y	1 N f 2.401 838 GHz -2.360 dBm 2 N f 2.400 000 GHz -60.875 dBm	View Blank	1 N f 2,479 848 GHz 0,098 dBm 2 N f 2,483 500 GHz -58.074 dBm
6 7 8 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10	9 9 10		7 8 9 10
KG 3747US NSG 3747US STATUS	Kana Status	>	S
Hopping Off-GFSK-Low channel Hopping Off-GFSK-High channel		nel	

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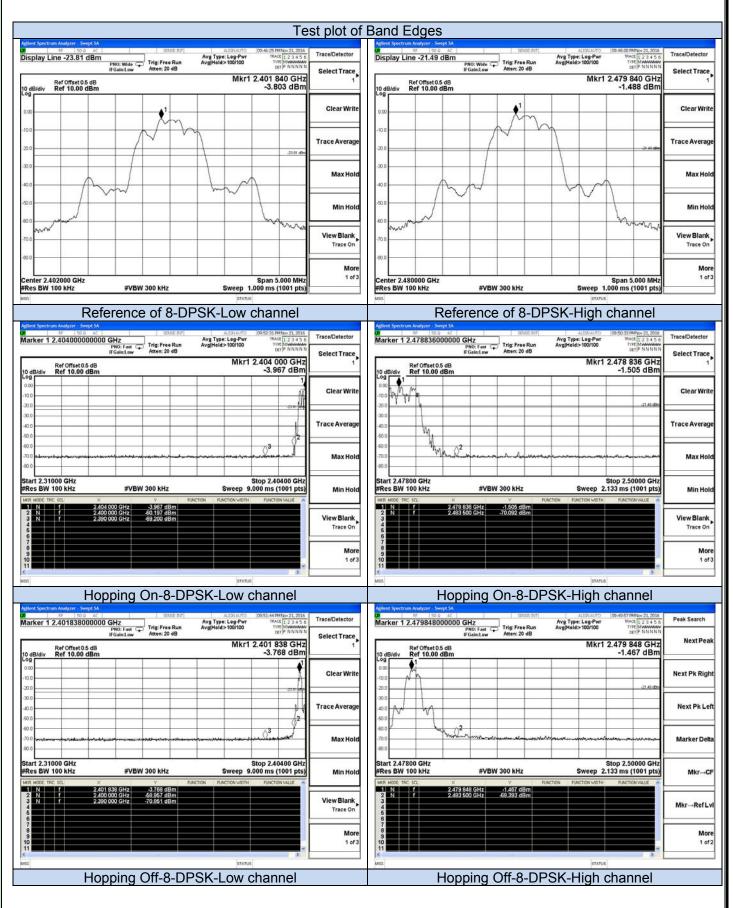
Report No.: LCS1611010027E



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FCC ID: 2AGKBKB2XX

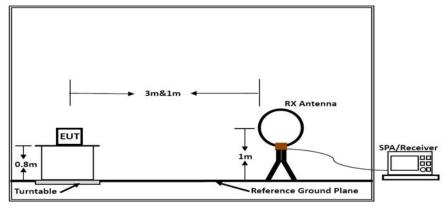
Report No.: LCS1611010027E



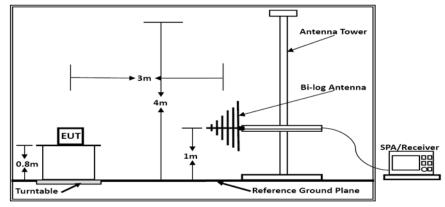
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7. RADIATED MEASUREMENT

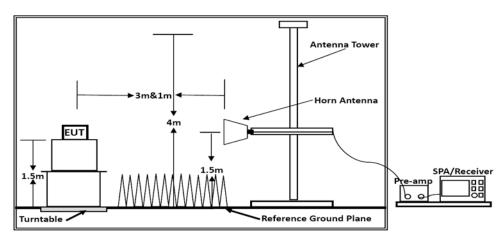
7.1 Block Diagram of Test Setup







Below 1GHz



Above 1GHz

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7.2 Restricted Band Emission Limit

15.205 (a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
\1\ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293.	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725 13.36-13.41	322-335.4	3600-4400	(\2\)

\1\ Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

\2\ Above 38.6

Part 15.205 (b) Except as provided in paragraphs (d) and (e), the field strength of emissions appearing within these frequency bands shall not exceed the limits shown in Section 15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector.

Above 1000 MHz, compliance with the emission limits in Section 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.

Part 15.209 (a) Except as provided elsewhere in this Subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field strength (microvolts/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

7.3 Instruments Setting

The following table is the setting of spectrum analyzer and receiver.

Spectrum Parameter	Setting		
Attenuation	Auto		
Start Frequency	1000 MHz		
Stop Frequency	10th carrier harmonic		
RB / VB (Emission in restricted band)	1MHz / 1MHz for Peak, 1 MHz / 10Hz for Average		
RB / VB (Emission in non-restricted band)	1MHz / 1MHz for Peak, 1 MHz / 10Hz for Average		

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP/AVG
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP/AVG
Start ~ Stop Frequency	30MHz~1000MHz / RB 100kHz for QP

7.4 Test Procedures

1) Sequence of testing 9 kHz to 30 MHz

Setup:

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

- --- If the EUT is a tabletop system, a rotatable table with 0.8 m height is used.
- --- If the EUT is a floor standing device, it is placed on the ground.
- --- Auxiliary equipment and cables were positioned to simulate normal operation conditions.
- --- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.
- --- The measurement distance is 3 meter.
- --- The EUT was set into operation.

Premeasurement:

--- The turntable rotates from 0° to 315° using 45° steps.

--- The antenna height is 0.8 meter.

--- At each turntable position the analyzer sweeps with peak detection to find the maximum of all emissions

Final measurement:

--- Identified emissions during the premeasurement the software maximizes by rotating the turntable position (0° to 360°) and by rotating the elevation axes (0° to 360°).

--- The final measurement will be done in the position (turntable and elevation) causing the highest emissions with QPK detector.

--- The final levels, frequency, measuring time, bandwidth, turntable position, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement and the limit will be stored.

2) Sequence of testing 30 MHz to 1 GHz

Setup:

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

--- If the EUT is a tabletop system, a table with 0.8 m height is used, which is placed on the ground plane.

- --- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.
- --- Auxiliary equipment and cables were positioned to simulate normal operation conditions
- --- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.
- --- The measurement distance is 3 meter.
- --- The EUT was set into operation.

Premeasurement:

--- The turntable rotates from 0° to 315° using 45° steps.

- --- The antenna is polarized vertical and horizontal.
- --- The antenna height changes from 1 to 3 meter.

--- At each turntable position, antenna polarization and height the analyzer sweeps three times in peak to find the maximum of all emissions.

Final measurement:

--- The final measurement will be performed with minimum the six highest peaks.

--- According to the maximum antenna and turntable positions of premeasurement the software maximize the peaks by changing turntable position (\pm 45°) and antenna movement between 1 and 4 meter.

--- The final measurement will be done with QP detector with an EMI receiver.

--- The final levels, frequency, measuring time, bandwidth, antenna height, antenna polarization, turntable angle, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement with marked maximum final measurements and the limit will be stored.

3) Sequence of testing 1 GHz to 18 GHz

Setup:

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

- --- If the EUT is a tabletop system, a rotatable table with 1.5 m height is used.
- --- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.
- --- Auxiliary equipment and cables were positioned to simulate normal operation conditions
- --- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.
- --- The measurement distance is 3 meter.
- --- The EUT was set into operation.

Premeasurement:

- --- The turntable rotates from 0° to 315° using 45° steps.
- --- The antenna is polarized vertical and horizontal.
- --- The antenna height scan range is 1 meter to 2.5 meter.

--- At each turntable position and antenna polarization the analyzer sweeps with peak detection to find the maximum of all emissions.

Final measurement:

--- The final measurement will be performed with minimum the six highest peaks.

--- According to the maximum antenna and turntable positions of premeasurement the software maximize the peaks by changing turntable position (± 45°) and antenna movement between 1 and 4 meter. This procedure is repeated for both antenna polarizations.

--- The final measurement will be done in the position (turntable, EUT-table and antenna polarization) causing the highest emissions with Peak and Average detector.

--- The final levels, frequency, measuring time, bandwidth, turntable position, EUT-table position, antenna polarization, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement with marked maximum final measurements and the limit will be stored.

4) Sequence of testing above 18 GHz

Setup:

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

- --- If the EUT is a tabletop system, a rotatable table with 1.5 m height is used.
- --- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.
- --- Auxiliary equipment and cables were positioned to simulate normal operation conditions
- --- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.
- --- The measurement distance is 1 meter.
- --- The EUT was set into operation.

Premeasurement:

--- The antenna is moved spherical over the EUT in different polarisations of the antenna.

Final measurement:

--- The final measurement will be performed at the position and antenna orientation for all detected emissions that were found during the premeasurements with Peak and Average detector.

--- The final levels, frequency, measuring time, bandwidth, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement and the limit will be stored.

7.5 Results for Restricted Band Radiated Emissions Testing

PASS.

Pre-scan all mode and recorded the worst case results in this report (TX-Low Channel(1Mbps)).

The test data please refer to following page.

6

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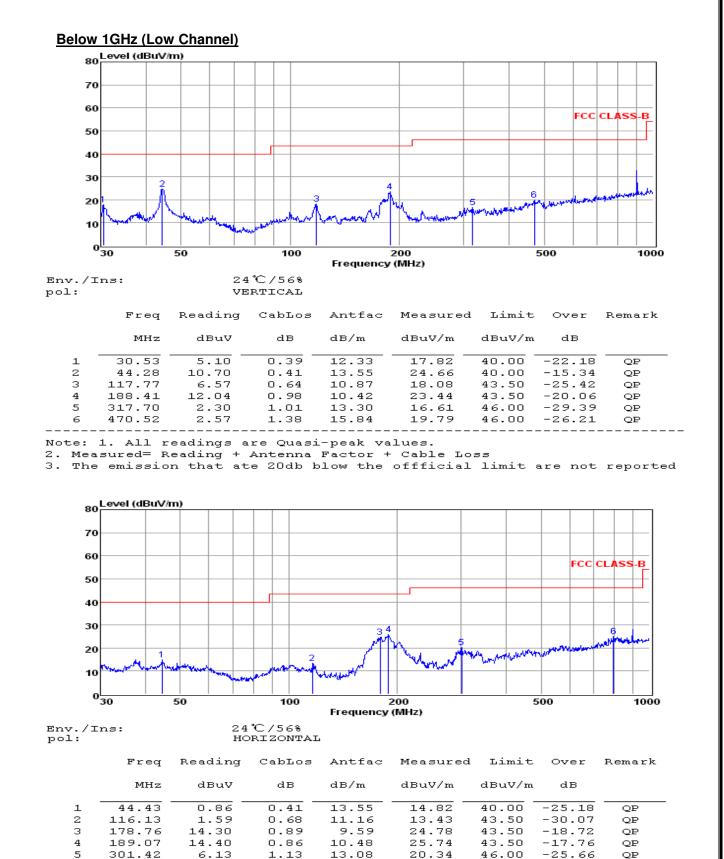
793.40

3.13

- - -Note: 1. All readings are Quasi-peak values.

1.73

2. Measured= Reading + Antenna Factor + Cable Loss



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19.98

The emission that ate 20db blow the offficial limit are not reported

24.84

46.00

-21.16

OP

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Above 1GHz

The worst test result for GFSK, Tx-Low Channel:

Freq. MHz	Reading dBuv	Ant. Fac dB/m	Pre. Fac. dB	Cab. Loss dB	Measured dBuv/m	Limit dBuv/m	Margin dB	Remark	Pol.
4804.0	0 57.04	33.06	35.04	3.94	59.00	74	-15.00	Peak	Horizontal
4804.0	0 41.27	33.06	35.04	3.94	43.23	54	-10.77	Average	Horizontal
4804.0	0 54.45	33.06	35.04	3.94	56.41	74	-17.59	Peak	Vertical
4804.0	0 39.91	33.06	35.04	3.94	41.87	54	-12.13	Average	Vertical

The worst test result for GFSK, Tx-Middle Channel:

Freq. MHz	Reading dBuv	Ant. Fac dB/m	Pre. Fac. dB	Cab. Loss dB	Measured dBuv/m	Limit dBuv/m	Margin dB	Remark	Pol.
4882.00	57.06	33.16	35.15	3.96	59.03	74	-14.97	Peak	Horizontal
4882.00	41.44	33.16	35.15	3.96	43.41	54	-10.59	Average	Horizontal
4882.00	54.78	33.16	35.15	3.96	56.75	74	-17.25	Peak	Vertical
4882.00	39.72	33.16	35.15	3.96	41.69	54	-12.31	Average	Vertical

The worst test result for GFSK, Tx-High Channel:

Freq. MHz	Reading dBuv	Ant. Fac dB/m	Pre. Fac dB	Cab. Los dB	Measured dBuv/m	Limit dBuv/m	Margin dB	Remark	Pol.
4960.00	56.58	33.26	35.14	3.98	58.68	74	-15.32	Peak	Horizontal
4960.00	41.23	33.26	35.14	3.98	43.33	54	-10.67	Average	Horizontal
4960.00	54.00	33.26	35.14	3.98	56.10	74	-17.90	Peak	Vertical
4960.00	39.64	33.26	35.14	3.98	41.74	54	-12.26	Average	Vertical

Notes:

1). Measuring frequencies from 9k~10th harmonic (ex. 26GHz), No emission found between lowest internal used/generated frequency to 30 MHz.

2). Radiated emissions measured in frequency range from 9k~10th harmonic (ex. 26GHz) were made with an instrument using Peak detector mode.

3). 18~25GHz at least have 20dB margin. No recording in the test report.

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7.6 Results for Restricted Band edge Testing

Tx-24	Tx-2402, GFSK, Non-hopping									
Freq. MHz	Reading Level dBuV	Ant. Fac. dB/m	Pre. Fac. dB	Cab. Loss dB	Measured dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol.	
2390.00	50.50	32.89	35.16	3.51	51.74	74	-22.26	Peak	Horizontal	
2390.00	34.12	32.89	35.16	3.51	35.36	54	-18.64	Average	Horizontal	
2400.00	51.72	32.92	35.16	3.54	53.02	74	-20.98	Peak	Horizontal	
2400.00	36.14	32.92	35.16	3.54	37.44	54	-16.56	Average	Horizontal	
2390.00	50.63	32.89	35.16	3.51	51.87	74	-22.13	Peak	Vertical	
2390.00	35.12	32.89	35.16	3.51	36.36	54	-17.64	Average	Vertical	
2400.00	51.11	32.92	35.16	3.54	52.41	74	-21.59	Peak	Vertical	
2400.00	36.46	32.92	35.16	3.54	37.76	54	-16.24	Average	Vertical	

Tx-2480, GFSK, Non-hopping

Freq. MHz	Reading Level dBuV	Ant. Fac. dB/m	Pre. Fac. dB	Cab. Loss dB	Measured dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol.
2483.50	52.88	33.06	35.18	3.60	54.36	74	-19.64	Peak	Horizonta I
2483.50	36.80	33.06	35.18	3.60	38.28	54	-15.72	Average	Horizonta I
2483.50	51.64	33.06	35.18	3.60	53.12	74	-20.88	Peak	Vertical
2483.50	36.99	33.06	35.18	3.60	38.47	54	-15.53	Average	Vertical

Note:

1). All modes have been tested and we only record the worst test result;

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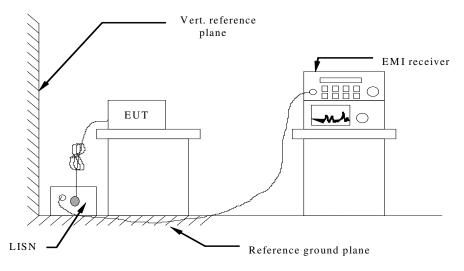
7.7. Power line conducted emissions

7.7.1 Standard Applicable

According to §15.207 (a): For an intentional radiator which is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed 250 microvolts (The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz). The limits at specific frequency range is listed as follows:

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

7.7.2 Block Diagram of Test Setup



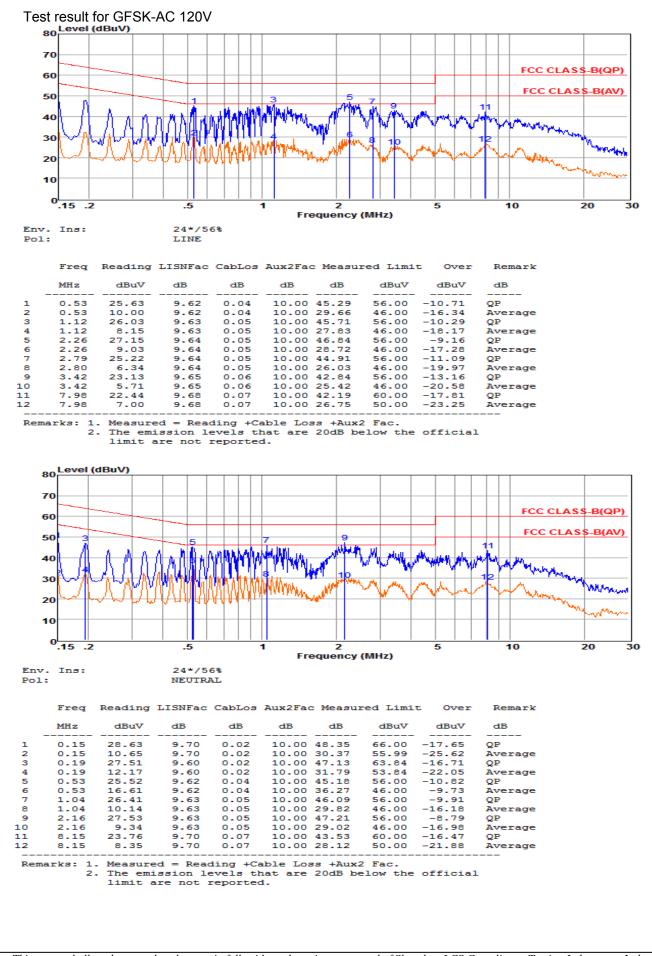
7.7.3 Test Results

PASS.

The test data please refer to following page.

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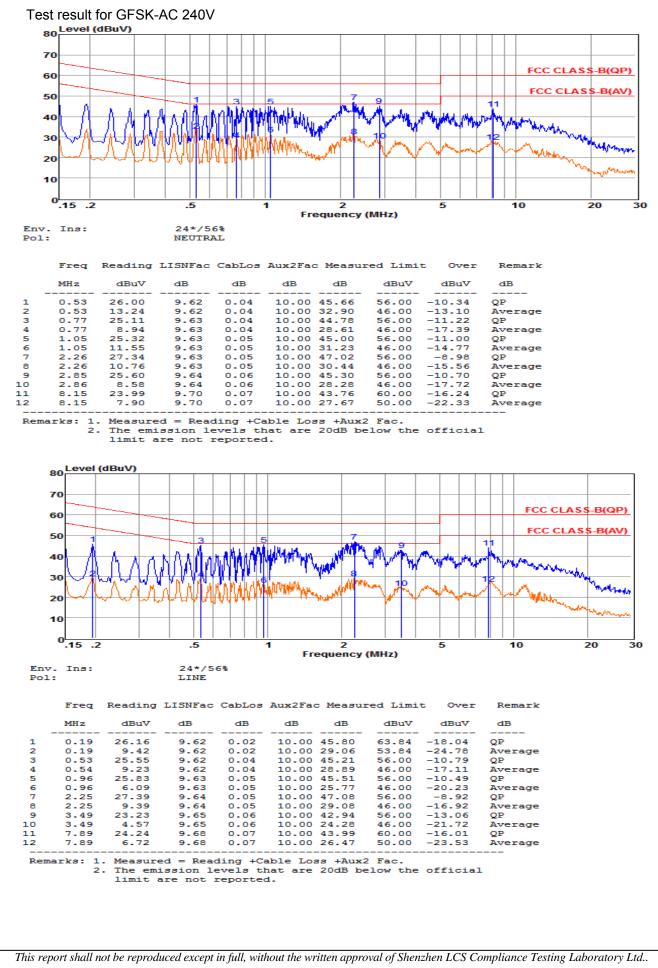
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8. ANTENNA REQUIREMENT

8.1 Standard Applicable

According to antenna requirement of §15.203.

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be re-placed by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of Sections 15.211, 15.213, 15.217, 15.219, or 15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with Section 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this Part are not exceeded.

And according to §15.247(4)(1), system operating in the 2400-2483.5MHz bands that are used exclusively for fixed, point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum peak output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

8.2 Antenna Connected Construction

8.2.1. Standard Applicable

According to § 15.203 & RSS-Gen, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

8.2.2. Antenna Connector Construction

The directional gains of antenna used for transmitting is 2.0dBi, and the antenna is an R-SMA antenna connect to PCB board and no consideration of replacement. Please see EUT photo for details.

8.2.3. Results: Compliance.

Measurement

The antenna gain of the complete system is calculated by the difference of radiated power in EIRP and the conducted power of the module.

Conducted power refers ANSI C63.10:2013 Output power test procedure for FHSS devices. Radiated power refers to ANSI C63.10:2013 Radiated emissions tests.

Measurement parameters

Measurement parameter						
Detector:	Peak					
Sweep Time:	Auto					
Resolution bandwidth:	1MHz					
Video bandwidth:	3MHz					
Trace-Mode:	Max hold					

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Limits

FCC	IC						
Antenna Gain							
6 dBi							

Note: The antenna gain of the complete system is calculated by the difference of radiated power in EIRP and the conducted power of the module. For FHSS devices, the GFSK mode is used;

Tnom	Vnom	Lowest Channel 2402 MHz	Middle Channel 2441 MHz	Highest Channel 2480 MHz	
Measu	Conducted power [dBm] Measured with GFSK modulation		0.83	0.42	
Measu	power [dBm] ured with 2.79 nodulation		2.70	2.36	
Gain [dBi] Calculated		1.85	1.87	1.94	
М	easurement unce	ertainty	± 1.6 dB (cond.) / ± 3.8 dB (rad.)		

Result: -/-

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9. TEST SETUP PhotographS of eut

Please refer to separated files for Test Setup Photos of the EUT.

10. Exterior Photographs of the eut

Please refer to separated files for External Photos of the EUT.

11. INTERIOR Photographs of the eut

Please refer to separated files for Internal Photos of the EUT.

-----THE END OF REPORT------