



TEST REPORT

FCC ID: 2AB3E-ISP56

Applicant : ION AUDIO,LLC
Address : 200 Scenic View Drive, Cumberland, RI 02864, U.S.A

Equipment Under Test (EUT):

Name : Plunge
Model : iSP56
Trademark : ION

Standards : FCC PART 15, SUBPART C : 2014 (Section 15.247)
RSS-247 ISSUE 1 MAY 2015; RSS-GEN ISSUE 4 NOV 2014
ANSI C63.4:2014 ; ANSI C63.10:2013

Report No : F15081002
Date of Test : August 13- November 07, 2015
Date of Issue : November 11, 2015

Test Result : PASS



In the configuration tested, the EUT complied with the standards specified above
Authorized Signature

Mike Lee/ Manager
Engineer Dept.



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1. General Information

1.1. Description of Device (EUT)

EUT	:	Plunge
Model No.	:	iSP56
Trade mark	:	ION
Power supply	:	DC 3.7V from battery or DC 5V from USB for charging
Radio Technology	:	BT 3.0+EDR
Operation frequency	:	2402-2480MHz
Modulation	:	GFSK, $\pi/4$ DQPSK, 8-DPSK
Antenna Type	:	Integrated Antenna, max gain 0dBi.
Adapter	:	N/A
Applicant	:	ION AUDIO, LLC
Address	:	200 Scenic View Drive, Cumberland, RI 02864, U.S.A
manufacture	:	ION AUDIO, LLC
Address	:	200 Scenic View Drive, Cumberland, RI 02864, U.S.A.



1.2. Accessories of device (EUT)

Description	:	N/A
Manufacturer	:	N/A
Model No.	:	N/A

1.3. Lab information

Report issued by WH Technology Corp.

FCC Designation Number: TW1083

TAF Lab. No.: 2954

Open Site		No.120, Ln. 5, Hudong St., Xizhi Dist., New Taipei City 221, Taiwan (R.O.C.)
EMC Test Site	Xizhi Office and Lab	7F., No.262, Sec. 3, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan (R.O.C.)
Tel.: +886-2-7729-7707 Fax: +886-2- 8648-1311		



2. Summary of test

2.1. Summary of test result

Description of Test Item	Standard	Results
Maximum Peak Output Power	FCC Part 15: 15.247(b)(1) ANSI C63.4 :2014&RSS-247 5.4(2) & ANSI C63.10 :2013	PASS
Bandwidth	FCC Part 15: 15.215 ANSI C63.4 :2014&RSS-247 5.1(2) & ANSI C63.10 :2013	PASS
Carrier Frequency Separation	FCC Part 15: 15.247(a)(1) ANSI C63.4 :2014& RSS-247 5.1(2) & ANSI C63.10 :2013	PASS
Number Of Hopping Channel	FCC Part 15: 15.247(a)(1)(iii) ANSI C63.4 :2014&RSS-247 5.1(4) & ANSI C63.10 :2013	PASS
Dwell Time	FCC Part 15: 15.247(a)(1)(iii) ANSI C63.4 :2014&RSS-247 5.1(4) & ANSI C63.10 :2013	PASS
Radiated Emission	FCC Part 15: 15.209 FCC Part 15: 15.247(d) ANSI C63.4 :2014&RSS-247 Section 5.5& ANSI C63.10 :2013	PASS
Band Edge Compliance	FCC Part 15: 15.247(d) ANSI C63.4 :2014&RSS-247 Section 5.5& ANSI C63.10 :2013	PASS
Power Line Conducted Emissions	FCC Part 15: 15.207 ANSI C63.4 :2014&IC RSS Gen, Section 7.2.4& ANSI C63.10 :2013	PASS
Antenna requirement	FCC Part 15: 15.203 &IC RSS Gen, Section 7.1.4	PASS

2.2. Assistant equipment used for test

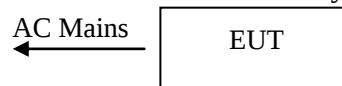
Description	:	Notebook
Manufacturer	:	ACER
Model No.	:	ZQT



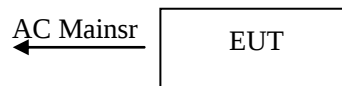
Remark: FCC DOC approved

2.3. Block Diagram

1, For radiated emissions test: EUT was placed on a turn table, which is 0.8 meter high above ground. EUT was be set into BT test mode by software before test.



2, For Power Line Conducted Emissions Test: EUT was connected to notebook by 1.5m USB line



2.4. Test mode

The test software was used to control EUT work in Continuous TX mode, and select test channel, wireless mode.

Tested mode, channel, and data rate information		
Mode	Channel	Frequency (MHz)
GFSK	Low :CH1	2402
	Middle: CH40	2441
	High: CH79	2480

Tested mode, channel, and data rate information		
Mode	Channel	Frequency (MHz)
$\pi/4$ DQPSK	Low :CH1	2402
	Middle: CH40	2441
	High: CH79	2480

Tested mode, channel, and data rate information		
Mode	Channel	Frequency (MHz)
8- DPSK	Low :CH1	2402
	Middle: CH40	2441
	High: CH79	2480



2.5. Test Conditions

Temperature range	21-25°C
Humidity range	40-75%
Pressure range	86-106kPa

2.6. Measurement Uncertainty (95% confidence levels, k=2)

Item	MU	Remark
Uncertainty for Power point Conducted Emissions Test	2.42dB	
Uncertainty for Radiation Emission test in 3m chamber (below 30MHz)	2.13 dB	Polarize: V
	2.57dB	Polarize: H
Uncertainty for Radiation Emission test in 3m chamber (30MHz to 1GHz)	3.54dB	Polarize: V
	4.1dB	Polarize: H
Uncertainty for Radiation Emission test in 3m chamber (1GHz to 25GHz)	2.08dB	Polarize: H
	2.56dB	Polarize: V
Uncertainty for radio frequency	1×10-9	
Uncertainty for conducted RF Power	0.65dB	
Uncertainty for temperature	0.2°C	
Uncertainty for humidity	1%	
Uncertainty for DC and low frequency voltages	0.06%	



2.7. Test Equipment

Equipment	Manufacture	Model No.	Serial No.	Cal. Due day	Cal Interval
3m Semi-Anechoic	ETS-LINDGREN	N/A	SEL0017	2016.01.19	1 Year
Spectrum analyzer	Agilent	E4407B	MY49510055	2016.01.19	1 Year
Receiver	R&S	ESCI	101165	2016.01.19	1 Year
Bilog Antenna	SCHWARZBECK	VULB 9168	9168-438	2017.01.21	2 Year
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D(1201)	2017.01.21	2 Year
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170 D(1432)	2017.01.21	2 Year
Active Loop Antenna	Beijing Daze	ZN30900A	SEL0097	2016.01.19	1 Year
Cable	Resenberger	SUCOFLEX 104	MY6562/4	2016.01.19	1 Year
Cable	Resenberger	SUCOFLEX 104	309972/4	2016.01.19	1 Year
Cable	Resenberger	SUCOFLEX 104	329112/4	2016.01.19	1 Year
L.I.S.N.#1	Schwarzbeck	NSLK8126	8126466	2016.01.19	1 Year
L.I.S.N.#2	ROHDE&SCHWARZ	ENV216	101043	2016.01.19	1 Year
Power Meter	Anritsu	ML2487A	6K00001491	2016.01.19	1 Year
Power sensor	Anritsu	ML2491A	32516	2016.01.19	1 Year
Pre-amplifier	SCHWARZBECK	BBV9743	9743-019	2016.01.19	1 Year
Pre-amplifier	Quietek	AP-180C	CHM-0602012	2016.01.19	1 Year



3. Maximum Peak Output power

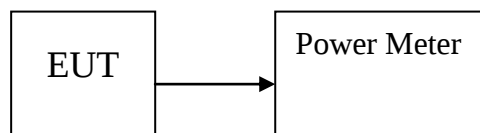
3.1. Limit

Please refer RSS-247 & section15.247.

3.2. Test Procedure

The transmitter output is connected to the RF Power Meter. The RF Power Meter is set to the peak power detection.

3.3. Test Setup



3.4. Test Result

EUT: Plunge M/N: iSP56					
Test date: 2015-10-22		Test site: RF site		Tested by: Peter	
Mode	Freq (MHz)	PK Output Power (dBm)	PK Output Power (mW)	Limit (dBm)	Margin (dB)
GFSK	2402	2.03	1.596	21	18.970
	2441	2.90	1.950	21	18.100
	2480	4.17	2.612	21	16.830
$\pi/4$ DQPSK,	2402	1.32	1.355	21	19.680
	2441	1.69	1.476	21	19.310
	2480	2.89	1.945	21	18.110
8- DPSK	2402	1.16	1.306	21	19.840
	2441	1.81	1.517	21	19.190
	2480	2.91	1.954	21	18.090
Conclusion: PASS					



4. Bandwidth

4.1. Limit

Please refer RSS-247 & section15.247.

4.2. Test Procedure

The transmitter output was coupled to a spectrum analyzer via a antenna. The bandwidth of the fundamental frequency was measured by spectrum analyzer with 30kHz RBW and 100kHz VBW, PK detector. The 20dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 20dB.

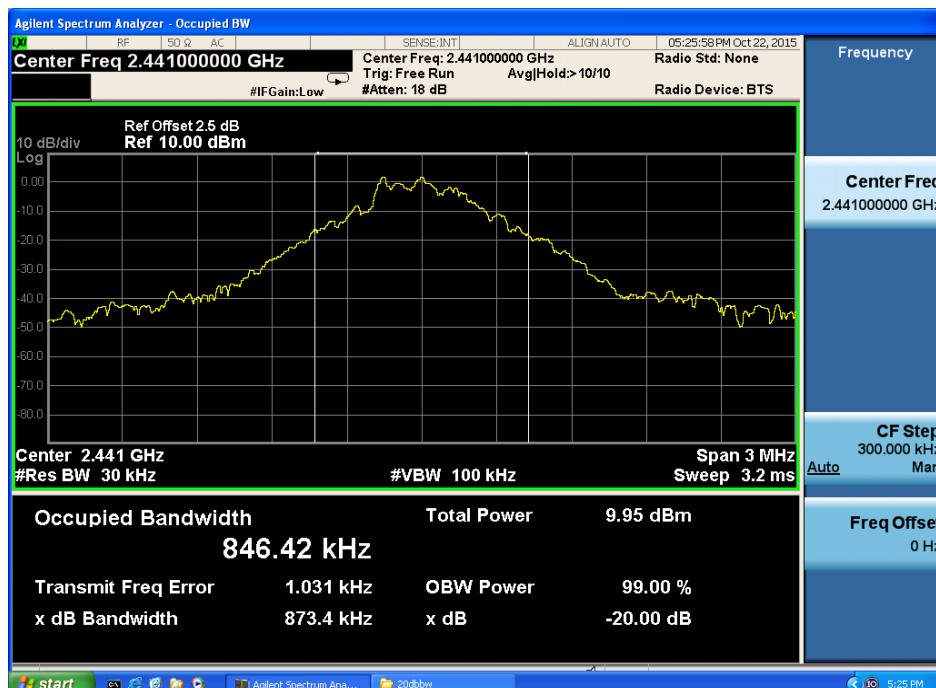
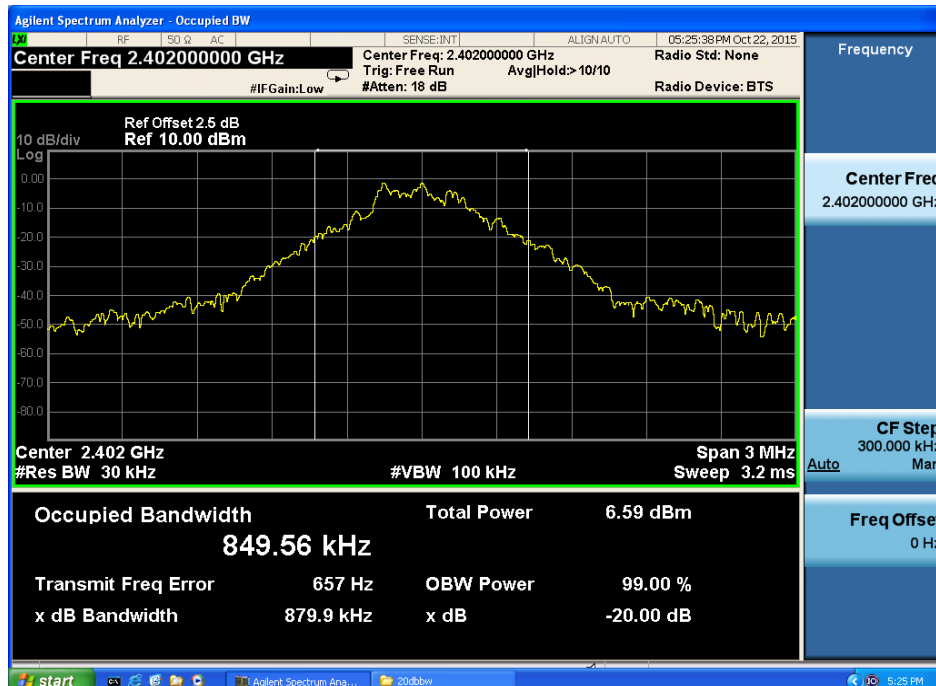
4.3. Test Result

EUT: Plunge M/N: iSP56				
Test date: 2015-10-22		Test site: RF site		Tested by: Peter
Mode	Freq (MHz)	20dB Bandwidth (KHz)	Limit	Conclusion
GFSK	2402	879.9	-	PASS
	2441	873.4	-	PASS
	2480	845.9	-	PASS
$\pi/4$ DQPSK	2402	1212	-	PASS
	2441	1226	-	PASS
	2480	1244	-	PASS
8- DPSK	2402	1210	-	PASS
	2441	1214	-	PASS
	2480	1211	-	PASS



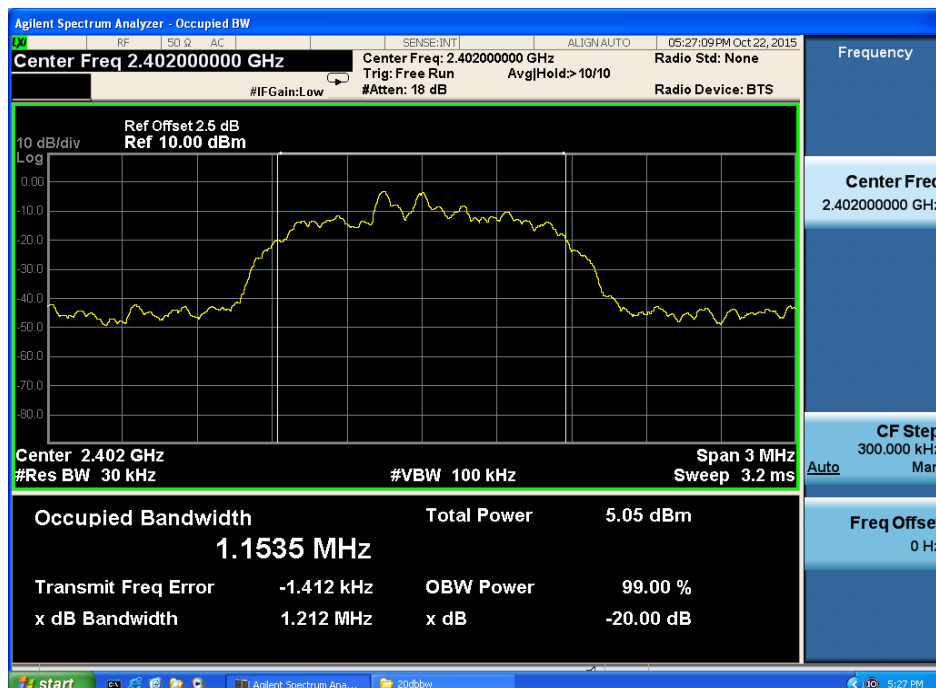
Original Test data

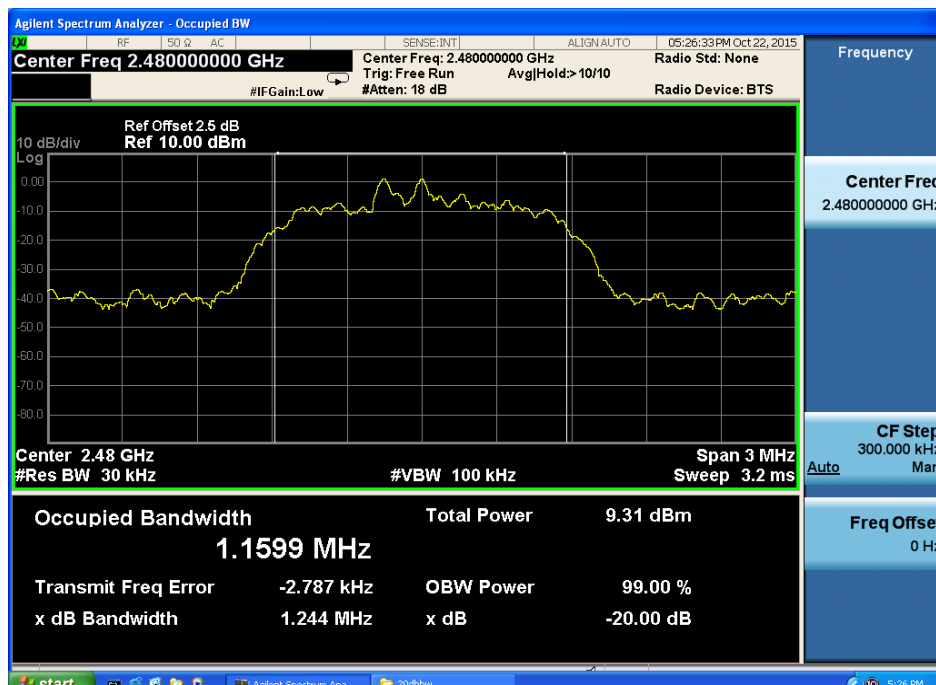
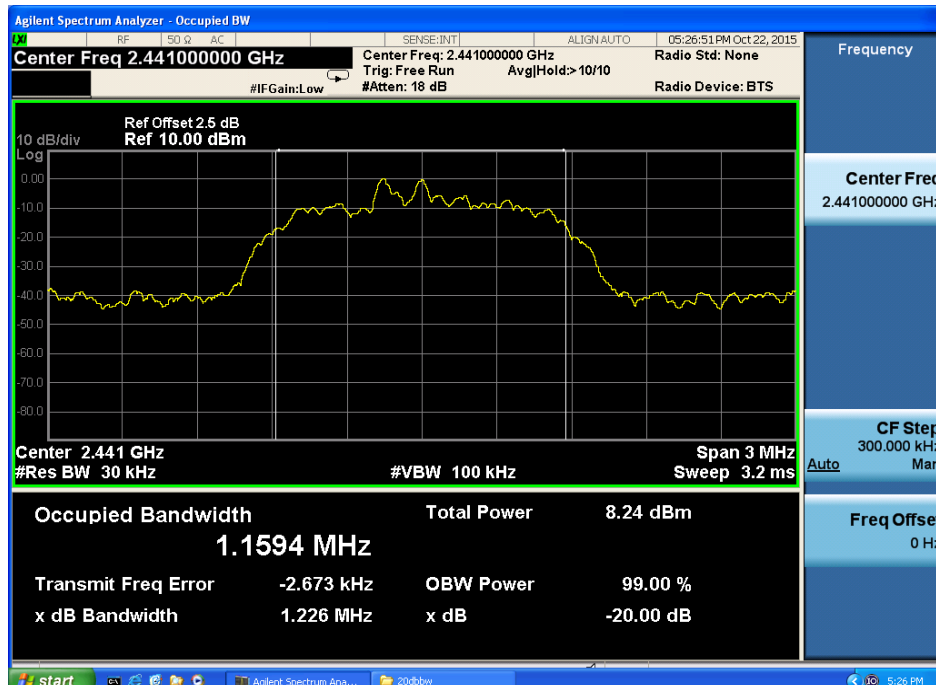
GFSK:





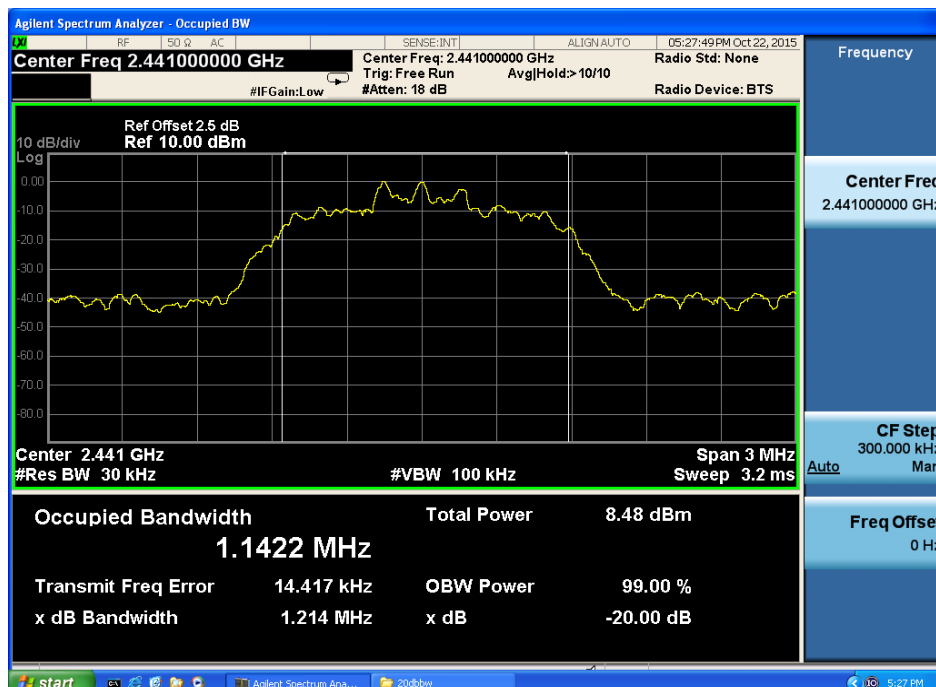
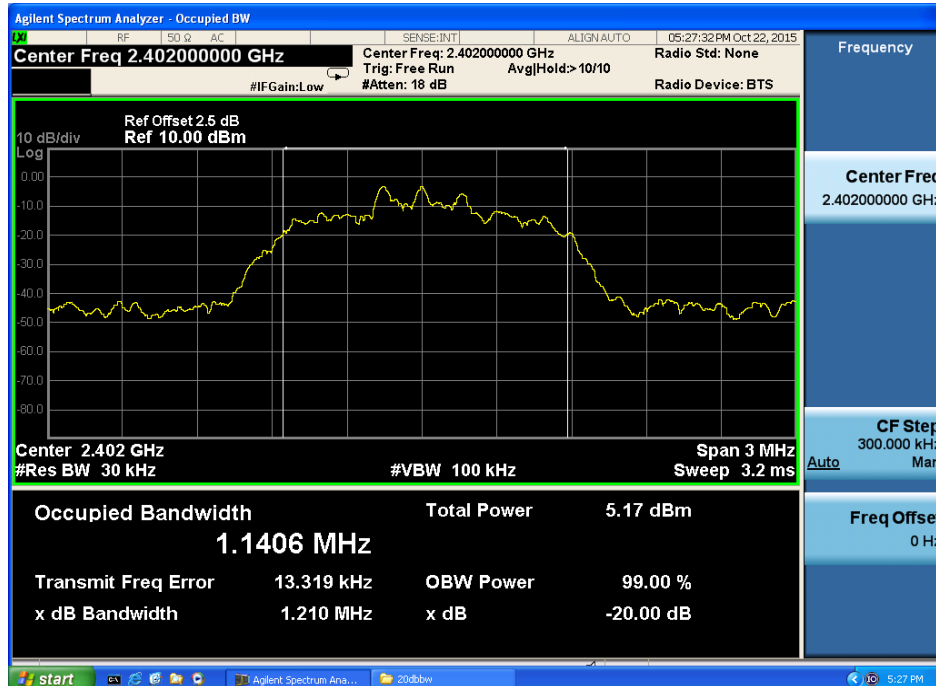
$\pi/4$ DQPSK

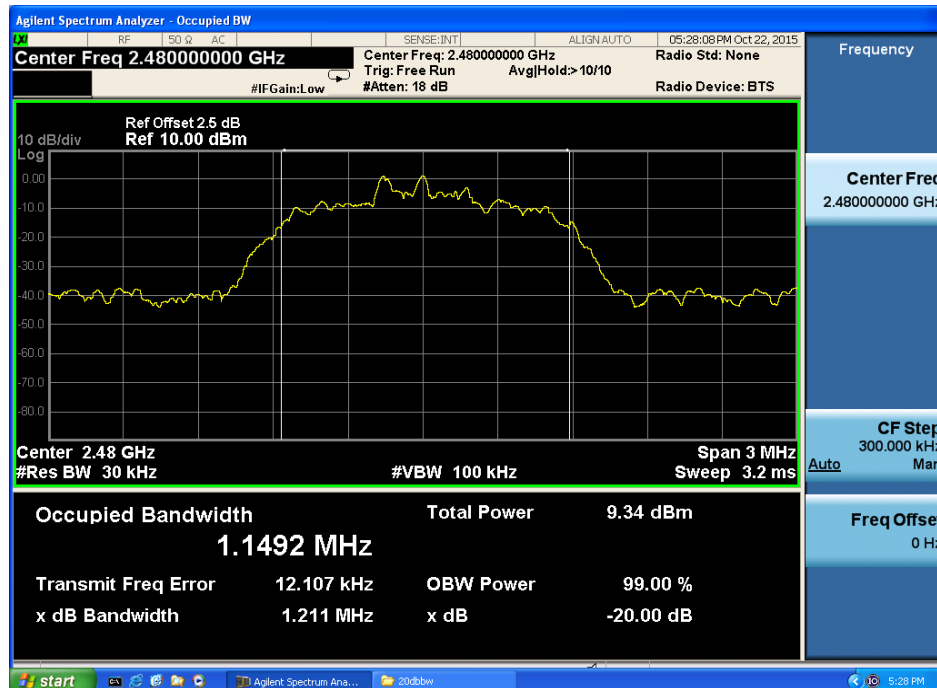






8- DPSK







5. Carrier Frequency Separation

5.1. Limit

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW

5.2. Test Procedure

The transmitter output was coupled to a spectrum analyzer via a antenna. The carrier frequency was measured by spectrum analyzer with 30kHz RBW and 100kHz VBW.

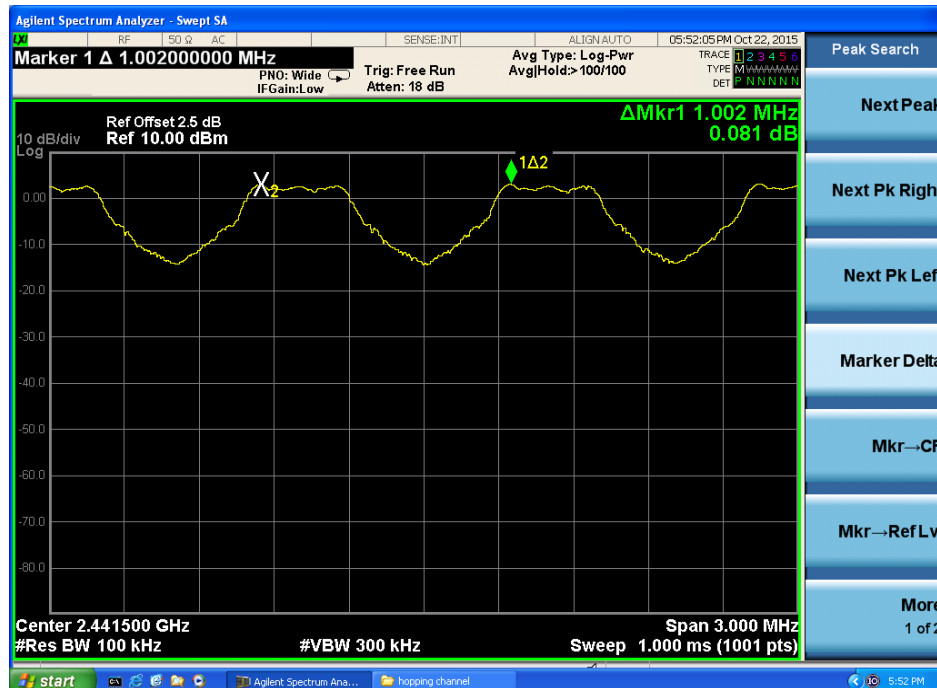
5.3. Test Result

EUT: Plunge M/N: iSP56				
Test date: 2015-10-22		Test site: RF site		Tested by: Peter
Mode/Channel	Channel separation (KHz)	20dB Bandwidth (KHz)	Limit (KHz) 2/3 20dB bandwidth	Conclusion
GFSK	1002	873.400	582.267	PASS
$\pi/4$ DQPSK	1002	1226.000	817.333	PASS
8- DPSK	1002	1214.000	809.333	PASS



Original test data for channel separation

GFSK



$\pi/4$ DQPSK





8- DPSK





6. Number Of Hopping Channel

6.1. Limit

Frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels

6.2. Test Procedure

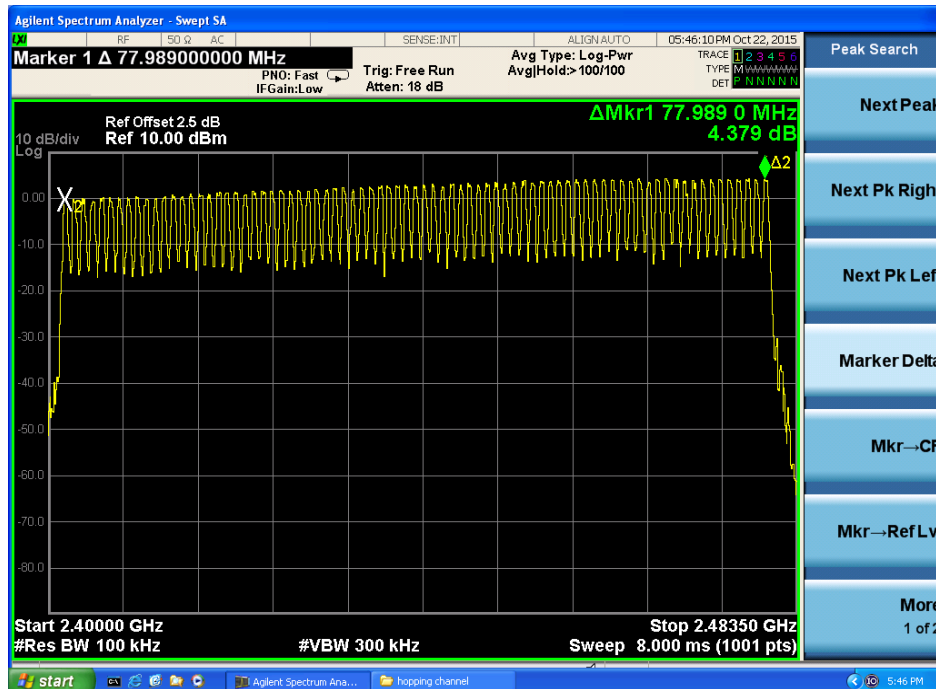
The transmitter output was coupled to a spectrum analyzer via a antenna. The number of hopping channel was measured by spectrum analyzer with 300kHz RBW and 1MHz VBW.

6.3. Test Result

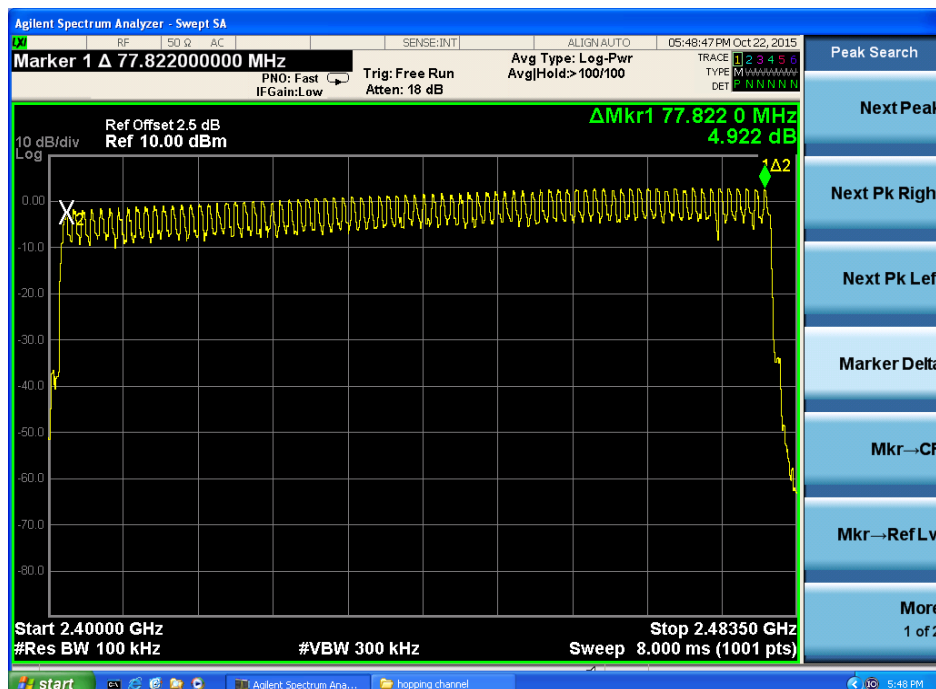
EUT: Plunge M/N: iSP56			
Test date: 2015-10-22		Test site: RF site	Tested by: Peter
Mode	Number of hopping channel	Limit	Conclusion
GFSK	79	>15	PASS
$\pi/4$ DQPSK	79	>15	PASS
8- DPSK	79	>15	PASS



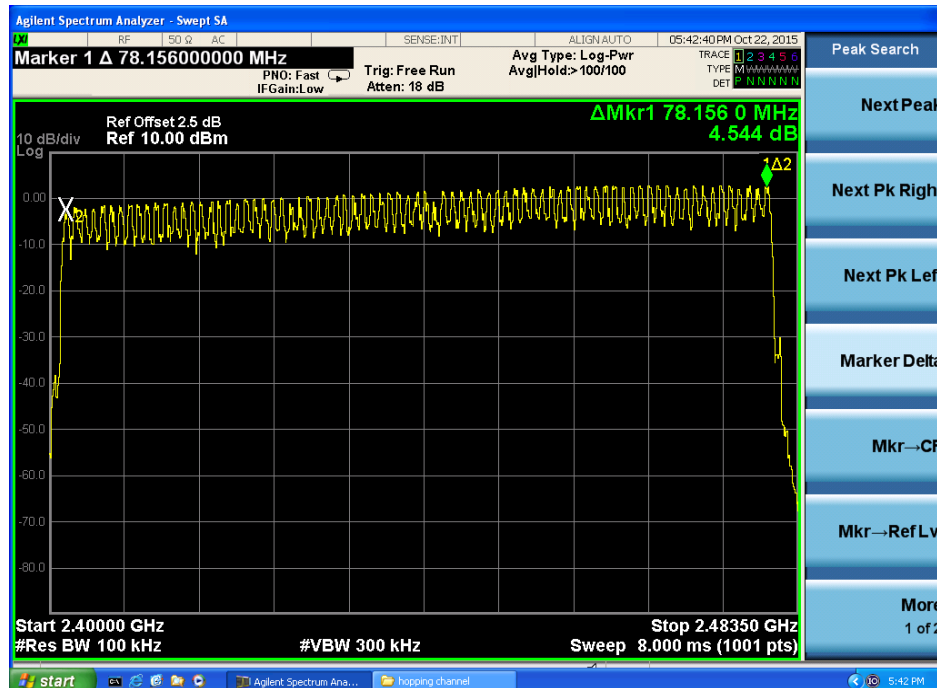
Original test data for hopping channel number
GFSK



$\pi/4$ DQPSK



8- DPSK





7. Dwell Time

7.1. Test limit

Please refer RSS-247 & section15.247.

7.2. Test Procedure

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

7.2.2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.

7.2.3. Set center frequency of spectrum analyzer = operating frequency.

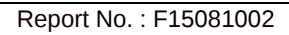
7.2.4. Set the spectrum analyzer as RBW, VBW=1MHz, Span = 0Hz, Sweep = auto.

7.2.5. Repeat above procedures until all frequency measured were complete.

7.3. Test Results

PASS.

Detailed information please see the following page.

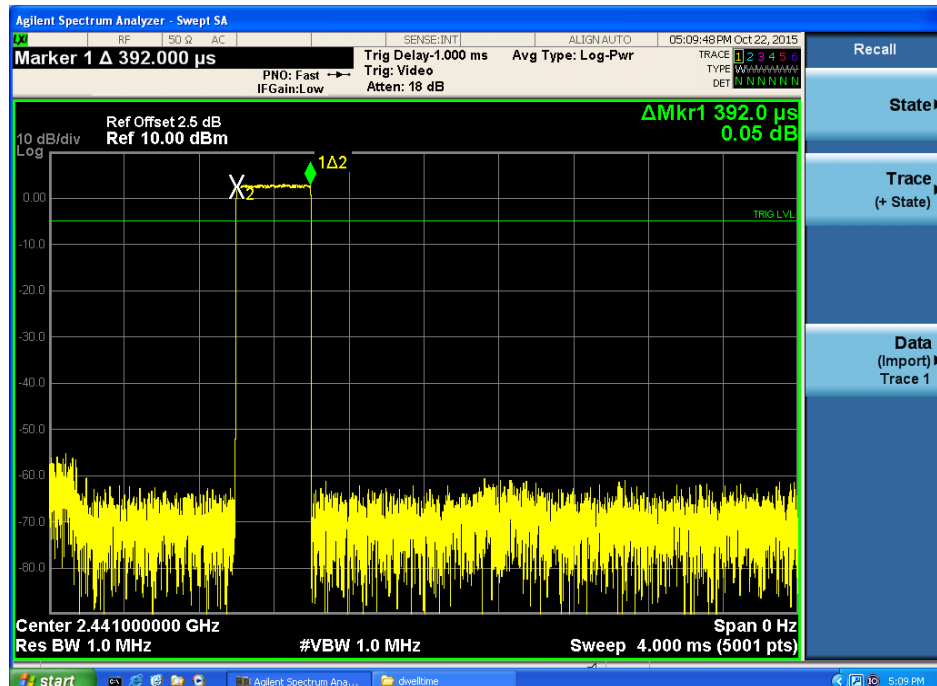


EUT: Plunge M/N: iSP56						
Test date: 2015-10-22		Test site: RF site		Tested by: Peter		
Mode	Data Packet	Frequency (MHz)	Pulse Duration (ms)	Dwell Time (s)	Limit (s)	Conclusion
GFSK	DH1	2441	0.392	0.251	<0.4	PASS
	DH3	2441	1.647	0.351	<0.4	PASS
	DH5	2441	2.893	0.370	<0.4	PASS
$\pi/4$ DQPSK	DH1	2441	0.4	0.256	<0.4	PASS
	DH3	2441	1.655	0.353	<0.4	PASS
	DH5	2441	2.904	0.372	<0.4	PASS
8- DPSK	DH1	2441	0.4056	0.260	<0.4	PASS
	DH3	2441	1.658	0.354	<0.4	PASS
	DH5	2441	2.907	0.372	<0.4	PASS
Note: 1 A period time = 0.4 (s) * 79 = 31.6(s) 2 DH1 time slot = Pulse Duration * (1600/(1*79)) * A period time DH3 time slot = Pulse Duration * (1600/(3*79)) * A period time DH5 time slot = Pulse Duration * (1600/(5*79)) * A period time						

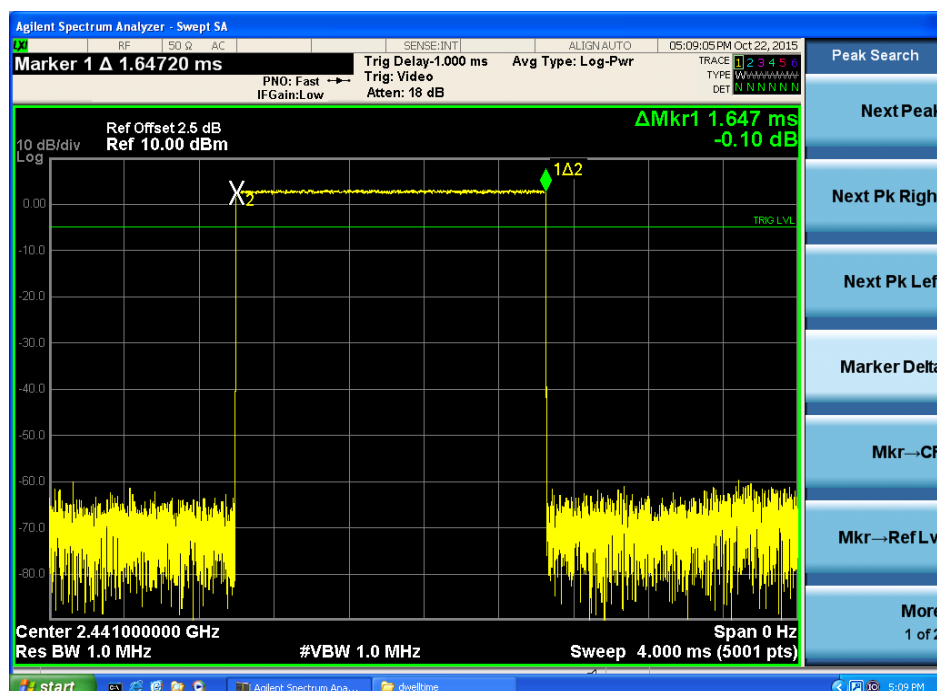


GFSK

DH1:

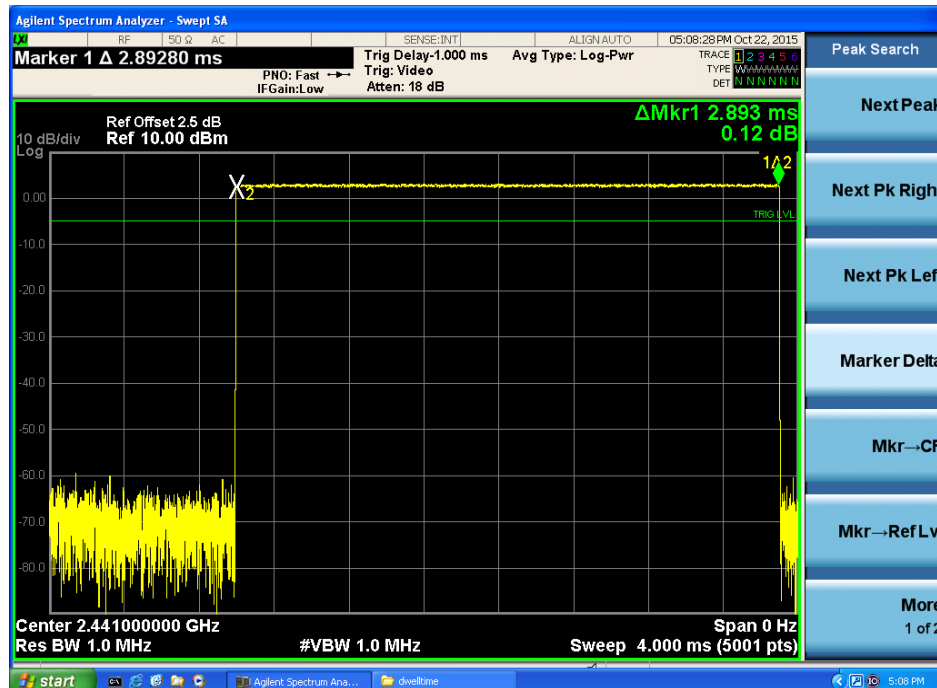


DH3:

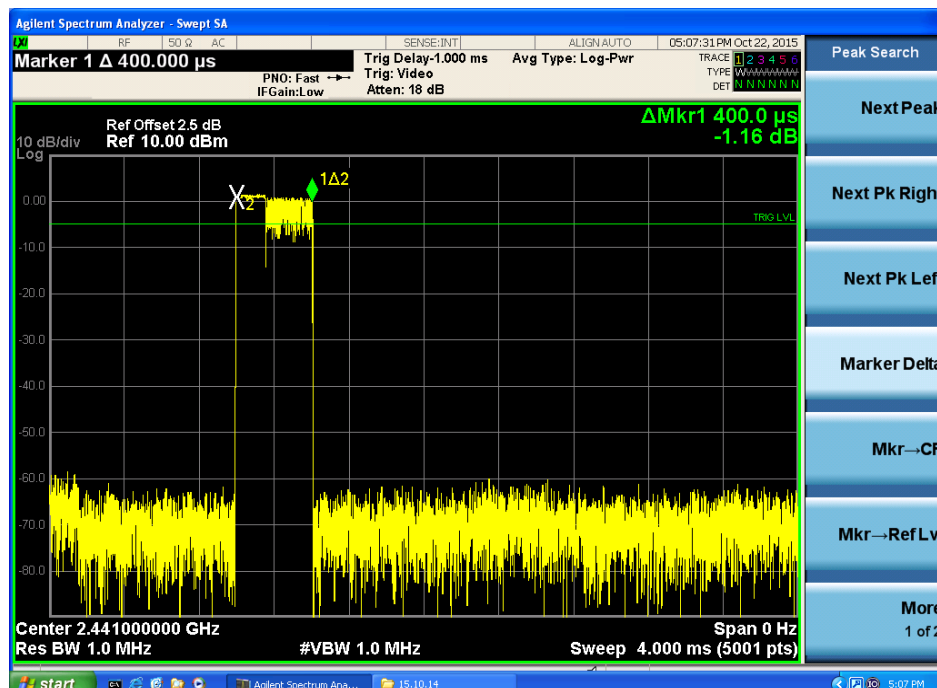




DH5

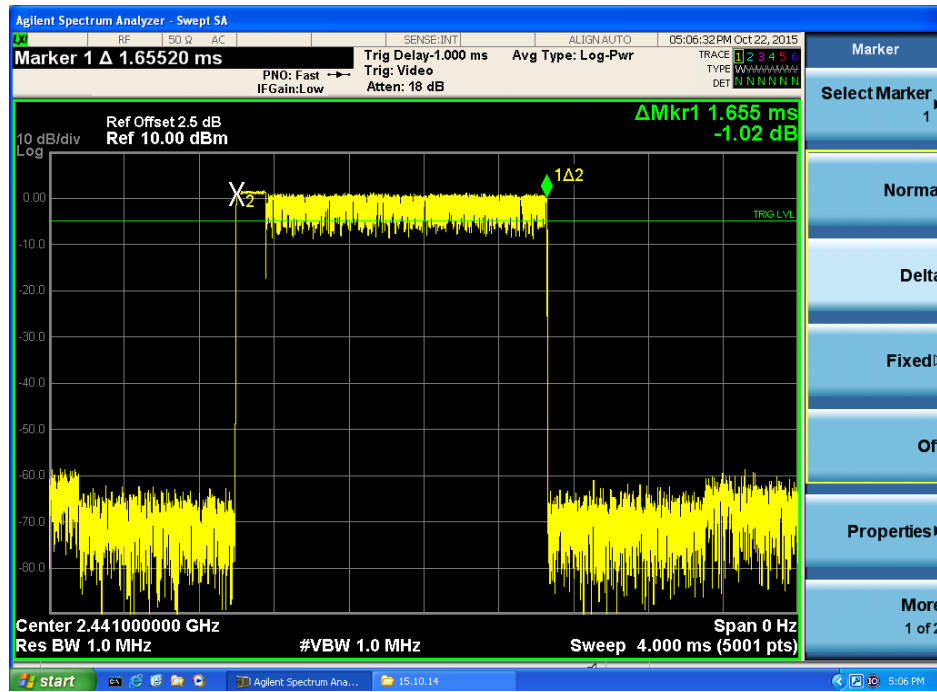


$\pi/4$ DQPSK
DH1

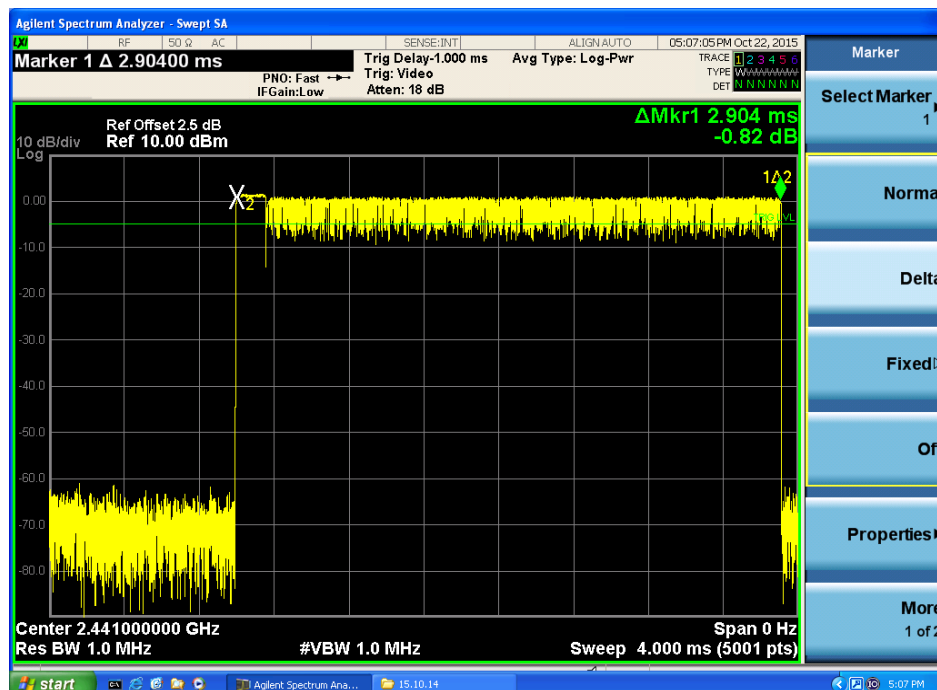




DH3

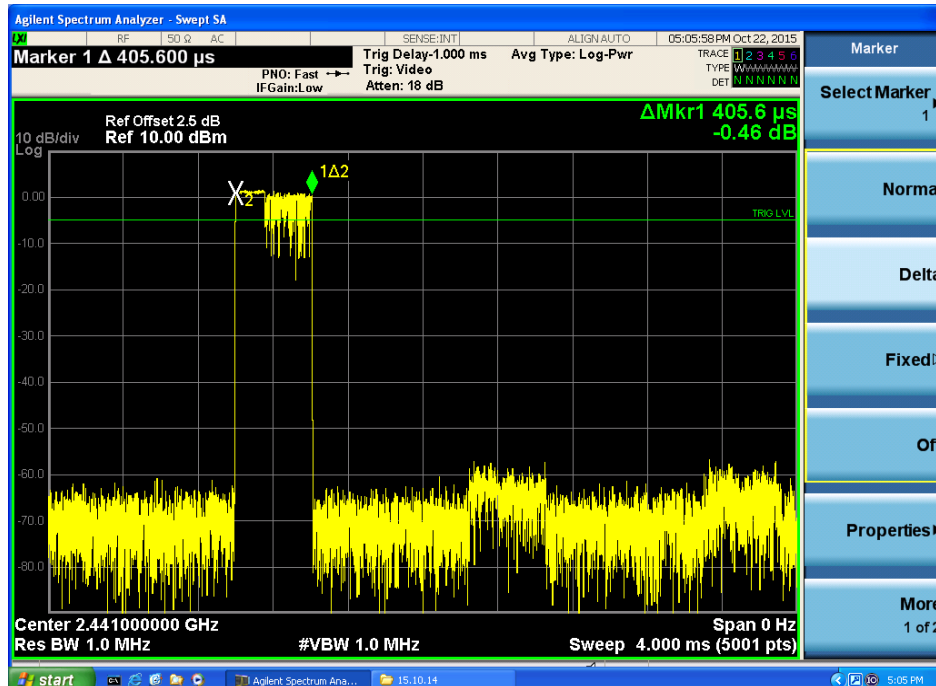


DH5

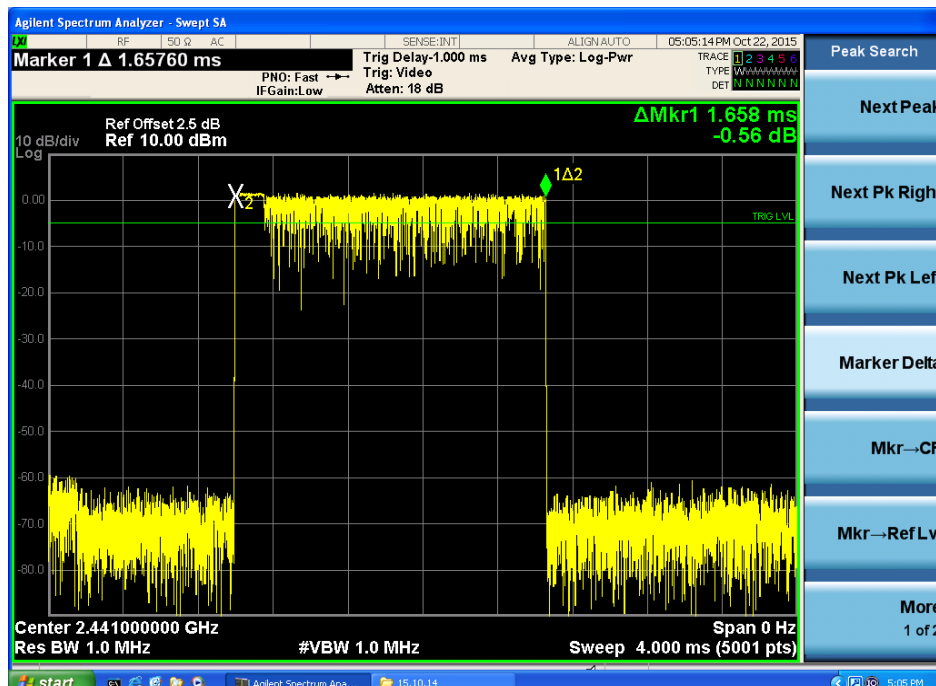




8- DPSK: DH1

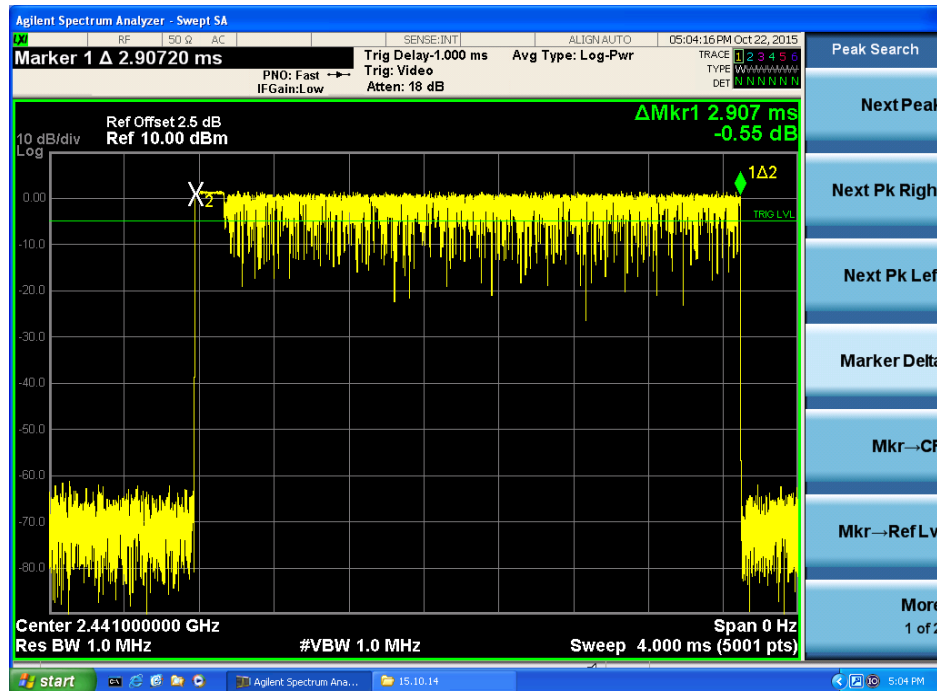


DH3





DH5





8. Radiated emissions

8.1. Limit

All the emissions appearing within RSS-GEN restricted frequency bands shall not exceed the limits shown in RSS-GEN, all the other emissions shall be at least 20dB below the fundamental emissions, or comply with RSS-GEN limits.

RSS-GEN Restricted frequency band

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	322 - 335.4	3600 - 4400	(²)

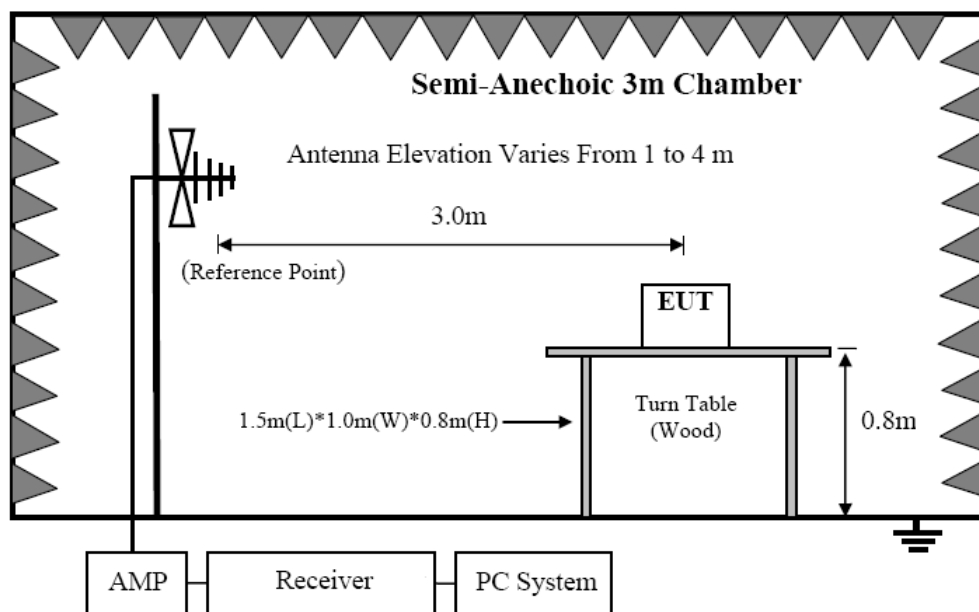
RSS-GEN Limit

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		μV/m	dB(μV)/m
0.009-0.490	300	2400/F(KHz)	/
0.490-1.705	30	24000/F(KHz)	/
1.705-30	30	30	29.5
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0
Above 1000	3	74.0 dB(μV)/m (Peak) 54.0 dB(μV)/m (Average)	

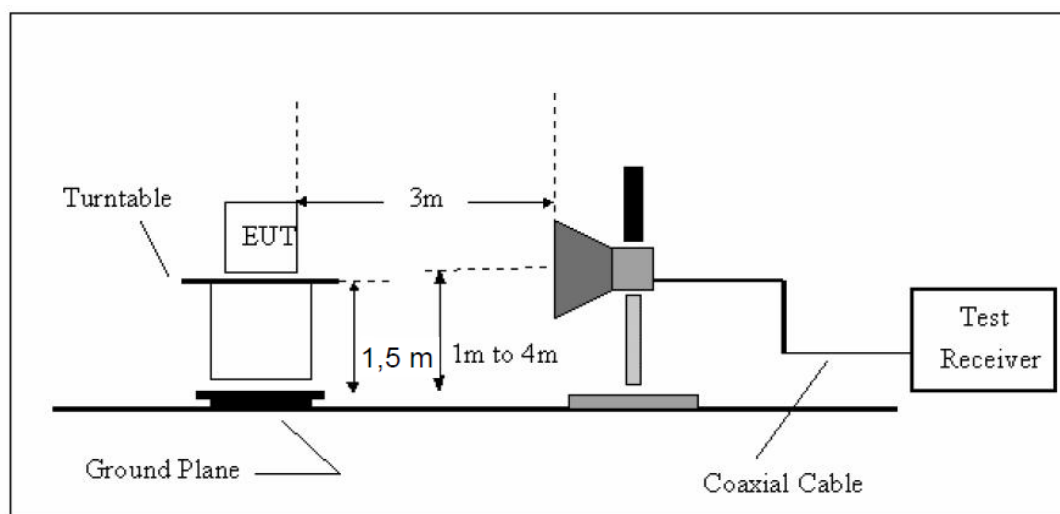


8.2. Block Diagram of Test setup

8.2.1 In 3m Anechoic Chamber Test Setup Diagram for below 1GHz



8.2.2 In 3m Anechoic Chamber Test Setup Diagram for frequency above 1GHz



Note: For harmonic emissions test a appropriate high pass filter was inserted in the input



port of AMP.

8.3. Test Procedure

- (1) EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber for below 1GHz testing, and 150cm for above 1GHz testing.
- (2) Setup EUT and simulator as shown in section 1.4 and 6.1
- (3) Test antenna was located 3m from the EUT on an adjustable mast. Below pre-scan procedure was first performed in order to find prominent radiated emissions.
 - (a) Change work frequency or channel of device if practicable.
 - (b) Change modulation type of device if practicable.
- (c) Rotated EUT through three orthogonal axes to determine the attitude of EUT arrangement produces highest emissions
- (4) Spectrum frequency from 9KHz to 25GHz (tenth harmonic of fundamental frequency) was investigated
- (5) For final emissions measurements at each frequency of interest, the EUT were rotated and the antenna height was varied between 1m and 4m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.4 2014 on Radiated Emission test.
- (6) For emissions above 1GHz, both Peak and Average level were measured with Spectrum Analyzer, and the RBW is set at 1MHz, VBW is set at 3MHz for Peak measure; RBW is set at 1MHz, VBW is set at 10Hz for Average measure.

8.4. Test Result

We have scanned the 10th harmonic from 9KHz to the EUT.
Detailed information please see the following page.

From 9KHz to 30MHz: Conclusion: PASS

Note: The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.



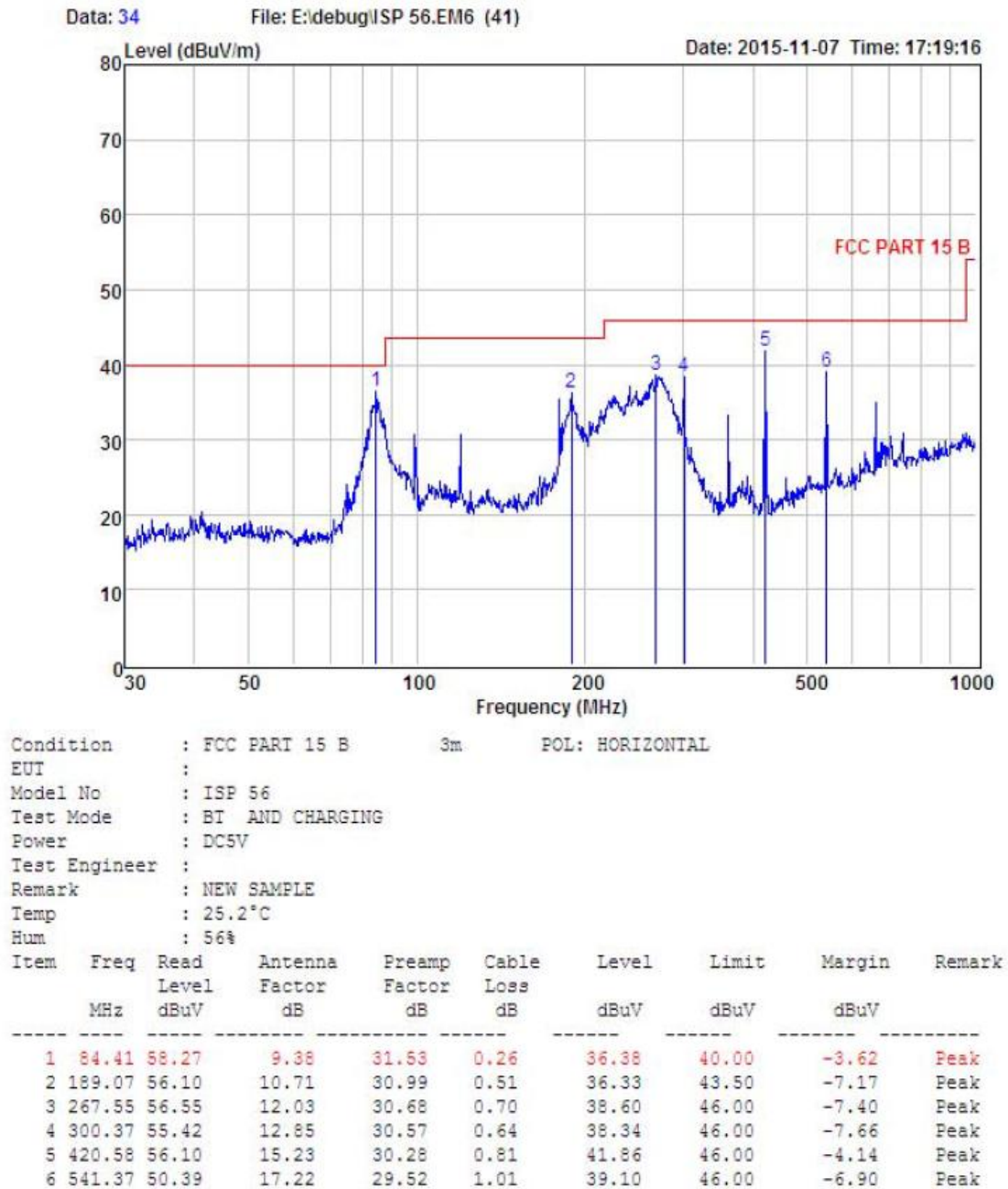
WH Technology Corp.

Date of Issue: Nov. 11, 2015

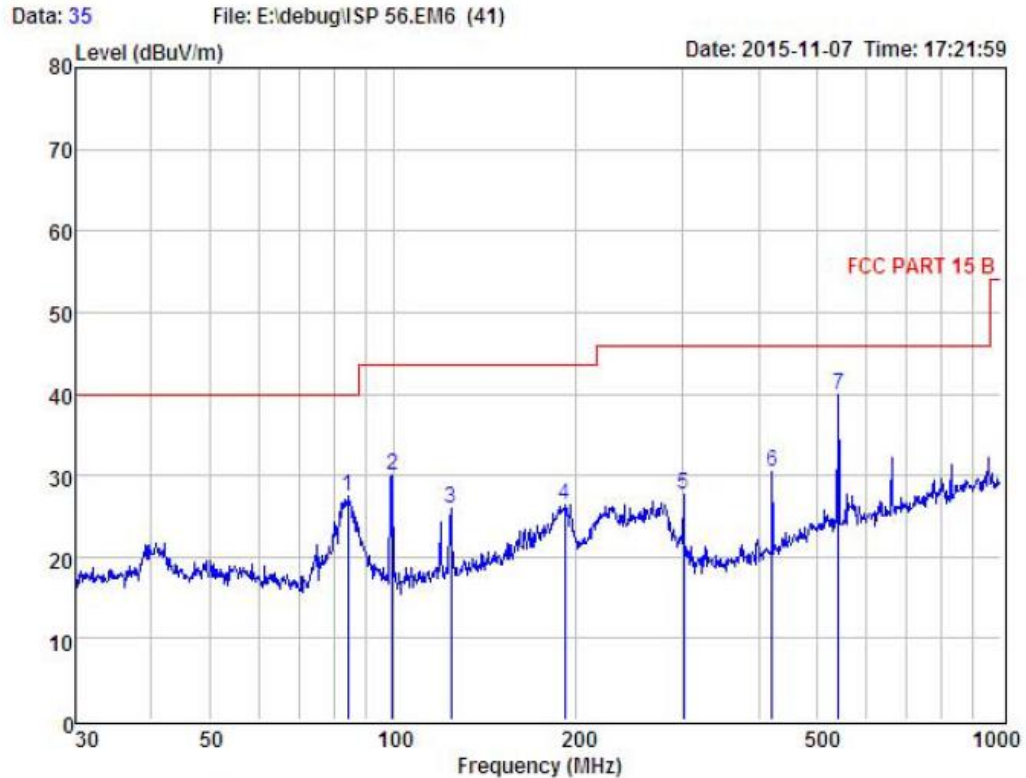
Report No. : F15081002



From 30MHz to 1000MHz: Conclusion: PASS



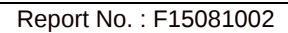
Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss



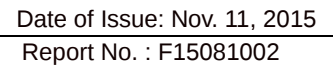
Condition : FCC PART 15 B 3m POL: VERTICAL
EUT :
Model No : ISP 56
Test Mode : BT AND CHARGING
Power : DC5V
Test Engineer :
Remark : NEW SAMPLE
Temp : 25.2°C
Hum : 56%

Item	Freq MHz	Read Level dBuV	Antenna Factor dB	Preamp Factor dB	Cable Loss dB	Level dBuV	Limit dBuV	Margin dBuV	Remark
1	84.11	49.39	9.35	31.53	0.26	27.47	40.00	-12.53	Peak
2	99.88	50.80	10.15	31.37	0.46	30.04	43.50	-13.46	Peak
3	124.57	44.34	12.46	31.29	0.33	25.84	43.50	-17.66	Peak
4	191.75	46.48	10.36	30.97	0.58	26.45	43.50	-17.05	Peak
5	300.37	44.78	12.85	30.57	0.64	27.70	46.00	-18.30	Peak
6	420.58	44.72	15.23	30.28	0.81	30.48	46.00	-15.52	Peak
7	541.37	51.22	17.22	29.52	1.01	39.93	46.00	-6.07	Peak

Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss



1GHz—25GHz Radiated emissison Test result									
EUT: Plunge			M/N: iSP56						
Power: DC 3.7V from Battery									
Test date: 2015-10-22			Test site: 3m Chamber			Tested by: Peter			
Test mode: GFSK Tx CH1 2402MHz									
Antenna polarity: Vertical									
No	Freq (MHz)	Read Level (dBuV/m)	Antenna Factor (dB/m)	Cable loss(dB)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4804	40.94	33.95	10.18	34.26	50.81	74	23.19	PK
2	4804	31.56	33.95	10.18	34.26	41.43	54	12.57	AV
3	7206	/							
4	9608	/							
5	12010	/							
Antenna Polarity: Horizontal									
1	4804	41.83	33.95	10.18	34.26	51.7	74	22.3	PK
2	4804	30.77	33.95	10.18	34.26	40.64	54	13.36	AV
3	7206	/							
4	9608	/							
5	12010	/							
Note:									
1, Measuring frequency from 1GHz to 25GHz									
2, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK									
2, Spectrum Set for AV measure: RBW=1MHz, VBW=10Hz, Sweep time=Auto, Detector: PK									
3, Result = Read level + Antenna factor + cable loss-Amp factor									
4, All the other emissions not reported were too low to read and deemed to comply with FCC limit.									



1GHz—25GHz Radiated emissison Test result									
EUT: Plunge		M/N: iSP56							
Power: DC 3.7V from Battery									
Test date: 2015-10-22		Test site: 3m Chamber			Tested by: Peter				
Test mode: GFSK Tx CH40 2441MHz									
Antenna polarity: Vertical									
No	Freq (MHz)	Read Level (dBuV/m)	Antenna Factor (dB/m)	Cable loss(dB)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4882	41.59	33.93	10.2	34.29	51.43	74	22.57	PK
2	4882	31.39	33.93	10.2	34.29	41.23	54	12.77	AV
3	7323	/							
4	9764	/							
5	12205	/							
Antenna Polarity: Horizontal									
1	4882	41.42	33.93	10.2	34.29	51.26	74	22.74	PK
2	4882	30.97	33.93	10.2	34.29	40.81	54	13.19	AV
3	7323	/							
4	9764	/							
5	12205	/							
Note:									
1, Measuring frequency from 1GHz to 25GHz									
2, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK									
2, Spectrum Set for AV measure: RBW=1MHz, VBW=10Hz, Sweep time=Auto, Detector: PK									
3, Result = Read level + Antenna factor + cable loss-Amp factor									
4, All the other emissions not reported were too low to read and deemed to comply with FCC limit.									



1GHz—25GHz Radiated emissison Test result									
EUT: Plunge					M/N: iSP56				
Power: DC 3.7V from Battery									
Test date: 2015-10-22 Test site: 3m Chamber Tested by: Peter									
Test mode: GFSK Tx CH79 2480MHz									
Antenna polarity: Vertical									
No	Freq (MHz)	Read Level (dBuV/m)	Antenna Factor (dB/m)	Cable loss(d B)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/ m)	Margin (dB)	Remark



1	4960	41.87	33.98	10.22	34.25	51.82	74	22.18	PK
2	4960	31.09	33.98	10.22	34.25	41.04	54	12.96	AV
3	7440	/							
4	9920	/							
5	12400	/							

Antenna Polarity: Horizontal

1	4960	41.9	33.98	10.22	34.25	51.85	74	22.15	PK
2	4960	31.32	33.98	10.22	34.25	41.27	54	12.73	AV
3	7440	/							
4	9920	/							
5	12400	/							

Note:

- 1, Measuring frequency from 1GHz to 25GHz
- 2, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK
- 2, Spectrum Set for AV measure: RBW=1MHz, VBW=10Hz, Sweep time=Auto, Detector: PK
- 3, Result = Read level + Antenna factor + cable loss-Amp factor
- 4, All the other emissions not reported were too low to read and deemed to comply with FCC limit.



1GHz—25GHz Radiated emission Test result

EUT: Plunge M/N: iSP56

Power: DC 3.7V from Battery

Test date: 2015-10-22 Test site: 3m Chamber Tested by: Peter

Test mode: $\pi/4$ DQPSK Tx CH1 2402MHz

Antenna polarity: Vertical

No	Freq (MHz)	Read Level (dBuV/m)	Antenna Factor (dB/m)	Cable loss(dB)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4804	41.48	33.95	10.18	34.26	51.35	74	22.65	PK
2	4804	30.97	33.95	10.18	34.26	40.84	54	13.16	AV
3	7206	/							
4	9608	/							
5	12010	/							

Antenna Polarity: Horizontal

1	4804	41.5	33.95	10.18	34.26	51.37	74	22.63	PK
2	4804	31.25	33.95	10.18	34.26	41.12	54	12.88	AV
3	7206	/							
4	9608	/							
5	12010	/							

Note:

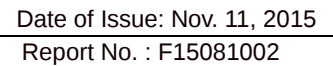
1, Measuring frequency from 1GHz to 25GHz

2, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK

2, Spectrum Set for AV measure: RBW=1MHz, VBW=10Hz, Sweep time=Auto, Detector: PK

3, Result = Read level + Antenna factor + cable loss-Amp factor

4, All the other emissions not reported were too low to read and deemed to comply with FCC limit.



1GHz—25GHz Radiated emissison Test result									
EUT: Plunge		M/N: iSP56							
Power: DC 3.7V from Battery									
Test date: 2015-10-22		Test site: 3m Chamber			Tested by: Peter				
Test mode: $\pi/4$ DQPSK Tx CH40 2441MHz									
Antenna polarity: Vertical									
No	Freq (MHz)	Read Level (dBuV/m)	Antenna Factor (dB/m)	Cable loss(dB)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4882	41.6	33.93	10.2	34.29	51.44	74	22.56	PK
2	4882	31.18	33.93	10.2	34.29	41.02	54	12.98	AV
3	7323	/							
4	9764	/							
5	12205	/							
Antenna Polarity: Horizontal									
1	4882	41.6	33.93	10.2	34.29	51.44	74	22.56	PK
2	4882	30.97	33.93	10.2	34.29	40.81	54	13.19	AV
3	7323	/							
4	9764	/							
5	12205	/							
Note:									
1, Measuring frequency from 1GHz to 25GHz									
2, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK									
2, Spectrum Set for AV measure: RBW=1MHz, VBW=10Hz, Sweep time=Auto, Detector: PK									
3, Result = Read level + Antenna factor + cable loss-Amp factor									
4, All the other emissions not reported were too low to read and deemed to comply with FCC limit.									



1GHz—25GHz Radiated emissison Test result									
EUT: Plunge			M/N: iSP56						
Power: DC 3.7V from Battery									
Test date: 2015-10-22 Test site: 3m Chamber Tested by: Peter									
Test mode: $\pi/4$ DQPSK Tx CH79 2480MHz									
Antenna polarity: Vertical									
No	Freq (MHz)	Read Level (dBuV/m)	Antenna Factor (dB/m)	Cable loss(d B)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/ m)	Margin (dB)	Remark
1	4960	41.5	33.98	10.22	34.25	51.45	74	22.55	PK
2	4960	31.35	33.98	10.22	34.25	41.3	54	12.7	AV



3	7440	/							
4	9920	/							
5	12400	/							

Antenna Polarity: Horizontal

1	4960	41.88	33.98	10.22	34.25	51.83	74	22.17	PK
2	4960	31.45	33.98	10.22	34.25	41.4	54	12.6	AV
3	7440	/							
4	9920	/							
5	12400	/							

Note:

1, Measuring frequency from 1GHz to 25GHz

2, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK

2, Spectrum Set for AV measure: RBW=1MHz, VBW=10Hz, Sweep time=Auto, Detector: PK

3, Result = Read level + Antenna factor + cable loss-Amp factor

4, All the other emissions not reported were too low to read and deemed to comply with FCC limit.



1GHz—25GHz Radiated emission Test result

EUT: Plunge

M/N: iSP56

Power: DC 3.7V from Battery

Test date: 2015-10-22 Test site: 3m Chamber Tested by: Peter

Test mode: 8- DQPSK Tx CH1 2402MHz

Antenna polarity: Vertical

No	Freq (MHz)	Read Level (dBuV/m)	Antenna Factor (dB/m)	Cable loss(dB)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4804	41.49	33.95	10.18	34.26	51.36	74	22.64	PK
2	4804	30.88	33.95	10.18	34.26	40.75	54	13.25	AV
3	7206	/							
4	9608	/							
5	12010	/							

Antenna Polarity: Horizontal

1	4804	41.17	33.95	10.18	34.26	51.04	74	22.96	PK
2	4804	30.54	33.95	10.18	34.26	40.41	54	13.59	AV
3	7206	/							
4	9608	/							
5	12010	/							

Note:

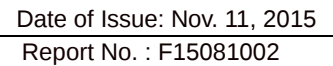
1, Measuring frequency from 1GHz to 25GHz

2, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK

2, Spectrum Set for AV measure: RBW=1MHz, VBW=10Hz, Sweep time=Auto, Detector: PK

3, Result = Read level + Antenna factor + cable loss-Amp factor

4, All the other emissions not reported were too low to read and deemed to comply with FCC limit.



1GHz—25GHz Radiated emissison Test result									
EUT: Plunge		M/N: iSP56							
Power: DC 3.7V from Battery									
Test date: 2015-10-22		Test site: 3m Chamber			Tested by: Peter				
Test mode: 8- DQPSK Tx CH40 2441MHz									
Antenna polarity: Vertical									
No	Freq (MHz)	Read Level (dBuV/m)	Antenna Factor (dB/m)	Cable loss(d B)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/ m)	Margin (dB)	Remark
1	4882	41.3	33.93	10.2	34.29	51.14	74	22.86	PK
2	4882	30.97	33.93	10.2	34.29	40.81	54	13.19	AV
3	7323	/							
4	9764	/							
5	12205	/							
Antenna Polarity: Horizontal									
1	4882	41.48	33.93	10.2	34.29	51.32	74	22.68	PK
2	4882	31.09	33.93	10.2	34.29	40.93	54	13.07	AV
3	7323	/							
4	9764	/							
5	12205	/							
Note:									
1, Measuring frequency from 1GHz to 25GHz									
2, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK									
2, Spectrum Set for AV measure: RBW=1MHz, VBW=10Hz, Sweep time=Auto, Detector: PK									
3, Result = Read level + Antenna factor + cable loss-Amp factor									
4, All the other emissions not reported were too low to read and deemed to comply with FCC limit.									



1GHz—25GHz Radiated emissison Test result									
EUT: Plunge			M/N: iSP56						
Power: DC 3.7V from Battery									
Test date: 2015-10-22 Test site: 3m Chamber Tested by: Peter									
Test mode: 8- DQPSK Tx CH79 2480MHz									
Antenna polarity: Vertical									
No	Freq (MHz)	Read Level (dBuV/m)	Antenna Factor (dB/m)	Cable loss(d B)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/ m)	Margin (dB)	Remark
1	4960	41.28	33.98	10.22	34.25	51.23	74	22.77	PK
2	4960	32.5	33.98	10.22	34.25	42.45	54	11.55	AV



3	7440	/							
4	9920	/							
5	12400	/							

Antenna Polarity: Horizontal

1	4960	41.6	33.98	10.22	34.25	51.55	74	22.45	PK
2	4960	30.97	33.98	10.22	34.25	40.92	54	13.08	AV
3	7440	/							
4	9920	/							
5	12400	/							

Note:

1, Measuring frequency from 1GHz to 25GHz

2, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK

2, Spectrum Set for AV measure: RBW=1MHz, VBW=10Hz, Sweep time=Auto, Detector: PK

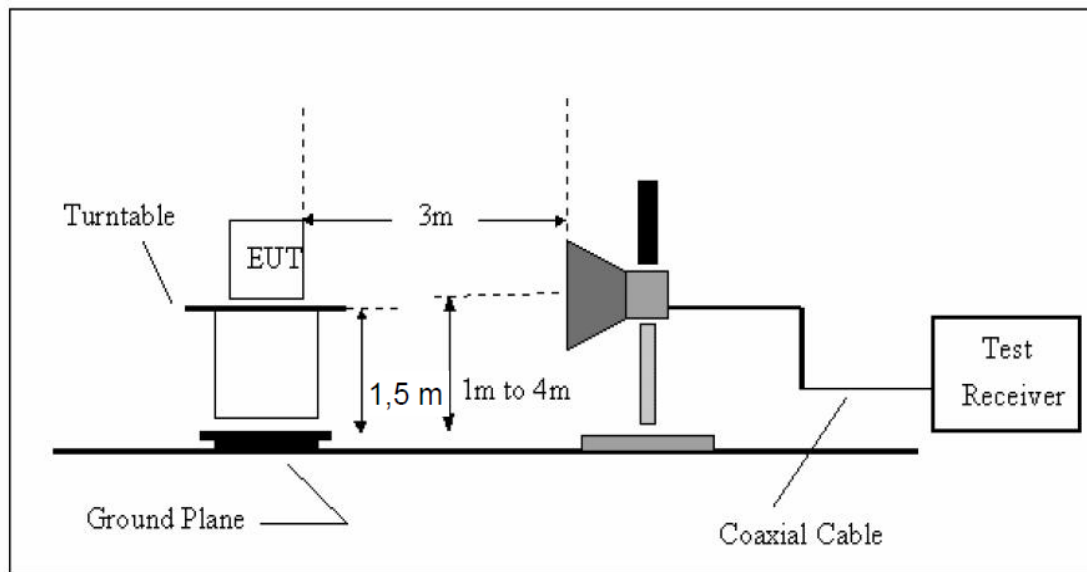
3, Result = Read level + Antenna factor + cable loss-Amp factor

4, All the other emissions not reported were too low to read and deemed to comply with FCC limit.



9. Band Edge Compliance

9.1. Block Diagram of Test Setup



9.2. Limit

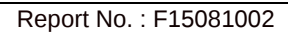
All the lower and upper band-edges emissions appearing within restricted frequency bands shall not exceed the limits shown in RSS-GEN, all the other emissions outside operation shall be at least 20dB below the fundamental emissions, or comply with RSS-GEN limits.

9.3. Test Procedure

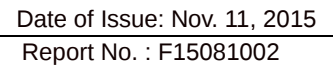
All restriction band and non- restriction band have been tested , only worse case is reported.

9.4. Test Result

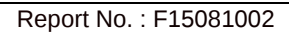
PASS. (See below detailed test data)



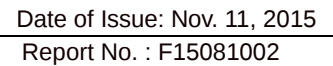
- 1, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK
- 2, Spectrum Set for AV measure: RBW=1MHz, VBW=10Hz, Sweep time=Auto, Detector: PK
- 3, Result = Read level + Antenna factor + cable loss-Amp factor
- 4, All the other emissions not reported were too low to read and deemed to comply with FCC limit.



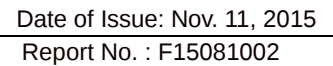
Band Edge Test result								
EUT: Plunge		M/N: iSP56						
Power: DC 3.7V from Battery								
Test date: 2015-10-22		Test site: 3m Chamber			Tested by: Peter			
Test mode: Tx CH High 2480MHz								
Antenna polarity: Vertical								
Freq (MHz)	Read Level (dBuV/m)	Antenna Factor (dB/m)	Cable loss(dB)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
2483.5	41.13	27.89	4	34.97	38.05	74	35.95	PK
2483.5		--	--	--	--	54	--	AV
Antenna Polarity: Horizontal								
2483.5	41.32	27.89	4	34.97	38.24	74	35.76	PK
2483.5		--	--	--	--	54	--	AV
Note:								
1, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK								
2, Spectrum Set for AV measure: RBW=1MHz, VBW=10Hz, Sweep time=Auto, Detector: PK								
3, Result = Read level + Antenna factor + cable loss-Amp factor								
4, All the other emissions not reported were too low to read and deemed to comply with FCC limit.								



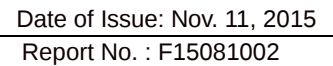
Band Edge Test result								
EUT: Plunge		M/N: iSP56						
Power: DC 3.7V from Battery								
Test date: 2015-10-22		Test site: 3m Chamber			Tested by: Peter			
Test mode: Tx								
Antenna polarity: Vertical								
Freq (MHz)	Read Level (dBuV/m)	Antenna Factor (dB/m)	Cable loss(dB)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
2390	40.13	27.62	3.92	34.97	36.7	74	37.3	PK
2390	--	27.62	3.92	34.97	--	54	--	AV
Antenna Polarity: Horizontal								
2390	41.08	27.62	3.92	34.97	37.65	74	36.35	PK
2390	--	27.62	3.92	34.97	--	54	--	AV
Note:								
1, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK								
2, Spectrum Set for AV measure: RBW=1MHz, VBW=10Hz, Sweep time=Auto, Detector: PK								
3, Result = Read level + Antenna factor + cable loss-Amp factor								
4, All the other emissions not reported were too low to read and deemed to comply with FCC limit.								



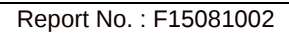
Band Edge Test result								
EUT: Plunge			M/N: iSP56					
Power: DC 3.7V from Battery								
Test date: 2015-10-22			Test site: 3m Chamber			Tested by: Peter		
Test mode: Tx								
Antenna polarity: Vertical								
Freq (MHz)	Read Level (dBuV/m)	Antenna Factor (dB/m)	Cable loss(dB)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
2483.5	40.6	27.89	4	34.97	37.52	74	36.48	PK
2483.5		--	--	--	--	54	--	AV
Antenna Polarity: Horizontal								
2483.5	40.82	27.89	4	34.97	37.74	74	36.26	PK
2483.5		--	--	--	--	54	--	AV
Note:								
1, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK								
2, Spectrum Set for AV measure: RBW=1MHz, VBW=10Hz, Sweep time=Auto, Detector: PK								
3, Result = Read level + Antenna factor + cable loss-Amp factor								
4, All the other emissions not reported were too low to read and deemed to comply with FCC limit.								



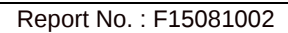
Band Edge Test result								
EUT: Plunge		M/N: iSP56						
Power: DC 3.7V from Battery								
Test date: 2015-10-22		Test site: 3m Chamber			Tested by: Peter			
Test mode: Tx CH High 2480MHz								
Antenna polarity: Vertical								
Freq (MHz)	Read Level (dBuV/m)	Antenna Factor (dB/m)	Cable loss(dB)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
2483.5	40.31	27.89	4	34.97	37.23	74	36.77	PK
2483.5		--	--	--	--	54	--	AV
Antenna Polarity: Horizontal								
2483.5	40.75	27.89	4	34.97	37.67	74	36.33	PK
2483.5		--	--	--	--	54	--	AV
Note:								
1, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK								
2, Spectrum Set for AV measure: RBW=1MHz, VBW=10Hz, Sweep time=Auto, Detector: PK								
3, Result = Read level + Antenna factor + cable loss-Amp factor								
4, All the other emissions not reported were too low to read and deemed to comply with FCC limit.								



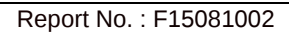
Band Edge Test result								
EUT: Plunge		M/N: iSP56						
Power: DC 3.7V from Battery								
Test date: 2015-10-22		Test site: 3m Chamber			Tested by: Peter			
Test mode:								
Antenna polarity: Vertical								
Freq (MHz)	Read Level (dBuV/m)	Antenna Factor (dB/m)	Cable loss(dB)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
2390	40.9	27.62	3.92	34.97	37.47	74	36.53	PK
2390	--	27.62	3.92	34.97	--	54	--	AV
Antenna Polarity: Horizontal								
2390	40.86	27.62	3.92	34.97	37.43	74	36.57	PK
2390	--	27.62	3.92	34.97	--	54	--	AV
Note:								
1, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK								
2, Spectrum Set for AV measure: RBW=1MHz, VBW=10Hz, Sweep time=Auto, Detector: PK								
3, Result = Read level + Antenna factor + cable loss-Amp factor								
4, All the other emissions not reported were too low to read and deemed to comply with FCC limit.								



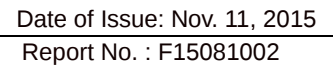
4, All the other emissions not reported were too low to read and deemed to comply with FCC limit.



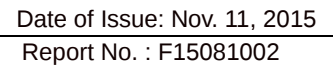
Band Edge Test result								
EUT: Plunge		M/N: iSP56						
Power: DC 3.7V from Battery								
Test date: 2015-10-22		Test site: 3m Chamber			Tested by: Peter			
Test mode: Tx CH Low 2402MHz								
Antenna polarity: Vertical								
Freq (MHz)	Read Level (dBuV/m)	Antenna Factor (dB/m)	Cable loss(dB)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
2390	41.08	27.62	3.92	34.97	37.65	74	36.35	PK
2390	--	27.62	3.92	34.97	--	54	--	AV
Antenna Polarity: Horizontal								
2390	41.29	27.62	3.92	34.97	37.86	74	36.14	PK
2390	--	27.62	3.92	34.97	--	54	--	AV
Note:								
1, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK								
2, Spectrum Set for AV measure: RBW=1MHz, VBW=10Hz, Sweep time=Auto, Detector: PK								
3, Result = Read level + Antenna factor + cable loss-Amp factor								
4, All the other emissions not reported were too low to read and deemed to comply with FCC limit.								



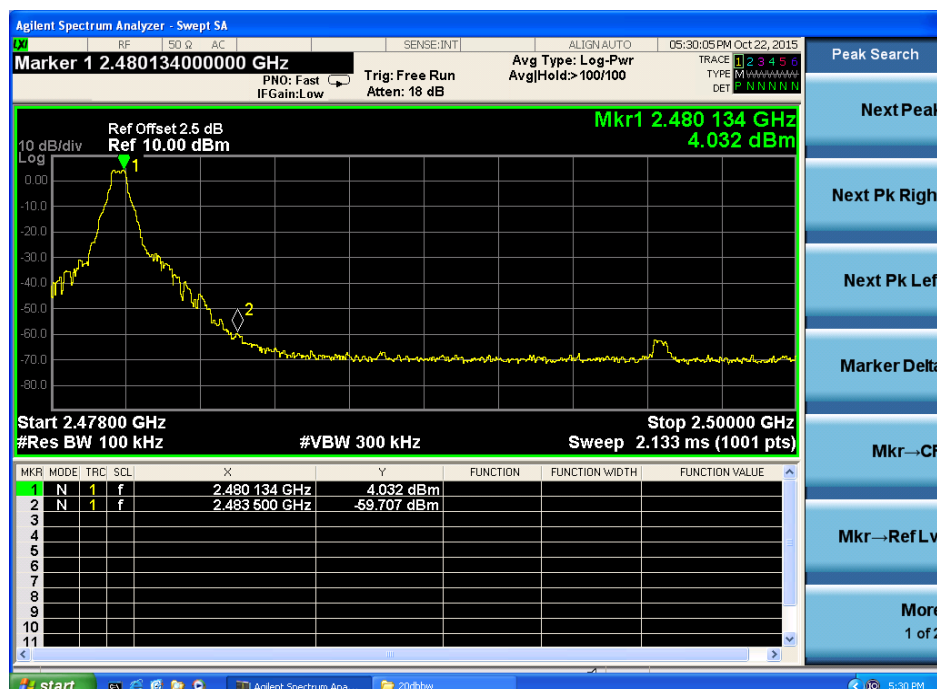
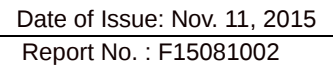
Band Edge Test result								
EUT: Plunge		M/N: iSP56						
Power: DC 3.7V from Battery								
Test date: 2015-10-22		Test site: 3m Chamber			Tested by: Peter			
Test mode: Tx CH High 2480MHz								
Antenna polarity: Vertical								
Freq (MHz)	Read Level (dBuV/m)	Antenna Factor (dB/m)	Cable loss(dB)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
2483.5	40.13	27.89	4	34.97	37.05	74	36.95	PK
2483.5		--	--	--	--	54	--	AV
Antenna Polarity: Horizontal								
2483.5	41.48	27.89	4	34.97	38.4	74	35.6	PK
2483.5		--	--	--	--	54	--	AV
Note:								
1, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK								
2, Spectrum Set for AV measure: RBW=1MHz, VBW=10Hz, Sweep time=Auto, Detector: PK								
3, Result = Read level + Antenna factor + cable loss-Amp factor								
4, All the other emissions not reported were too low to read and deemed to comply with FCC limit.								



Band Edge Test result								
EUT: Plunge			M/N: iSP56					
Power: DC 3.7V from Battery								
Test date: 2015-10-22			Test site: 3m Chamber			Tested by: Peter		
Test mode: Tx								
Antenna polarity: Vertical								
Freq (MHz)	Read Level (dBuV/m)	Antenna Factor (dB/m)	Cable loss(dB)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
2390	40.8	27.62	3.92	34.97	37.37	74	36.63	PK
2390	--	27.62	3.92	34.97	--	54	--	AV
Antenna Polarity: Horizontal								
2390	41.33	27.62	3.92	34.97	37.9	74	36.1	PK
2390	--	27.62	3.92	34.97	--	54	--	AV
Note:								
1, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK								
2, Spectrum Set for AV measure: RBW=1MHz, VBW=10Hz, Sweep time=Auto, Detector: PK								
3, Result = Read level + Antenna factor + cable loss-Amp factor								
4, All the other emissions not reported were too low to read and deemed to comply with FCC limit.								



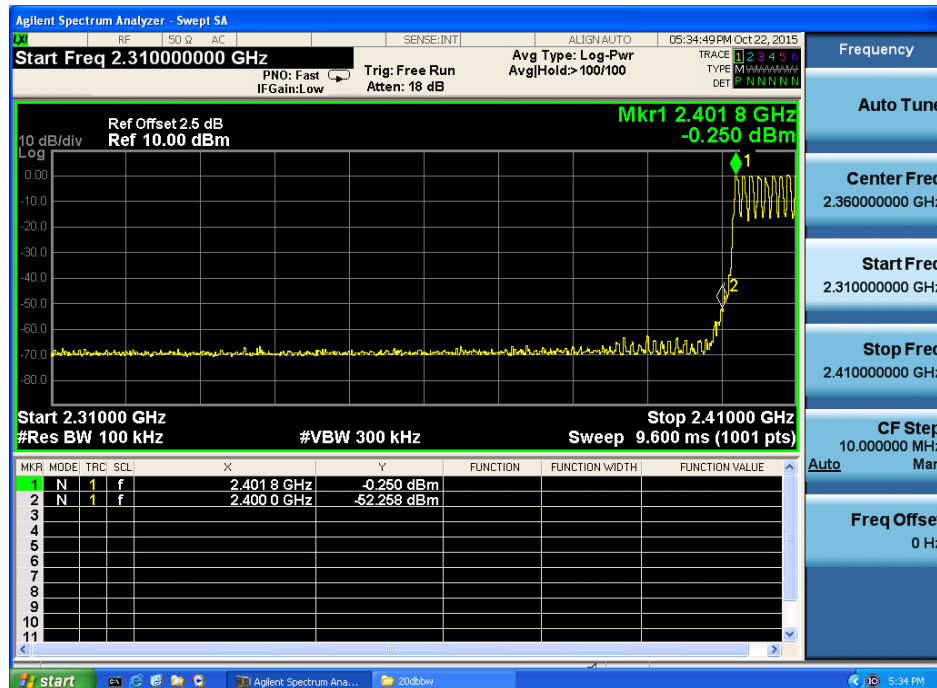
Band Edge Test result								
EUT: Plunge		M/N: iSP56						
Power: DC 3.7V from Battery								
Test date: 2015-10-22		Test site: 3m Chamber			Tested by: Peter			
Test mode: Tx								
Antenna polarity: Vertical								
Freq (MHz)	Read Level (dBuV/m)	Antenna Factor (dB/m)	Cable loss(dB)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
2483.5	40.22	27.89	4	34.97	37.14	74	36.86	PK
2483.5		--	--	--	--	54	--	AV
Antenna Polarity: Horizontal								
2483.5	40.93	27.89	4	34.97	37.85	74	36.15	PK
2483.5		--	--	--	--	54	--	AV
Note:								
1, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK								
2, Spectrum Set for AV measure: RBW=1MHz, VBW=10Hz, Sweep time=Auto, Detector: PK								
3, Result = Read level + Antenna factor + cable loss-Amp factor								
4, All the other emissions not reported were too low to read and deemed to comply with FCC limit.								



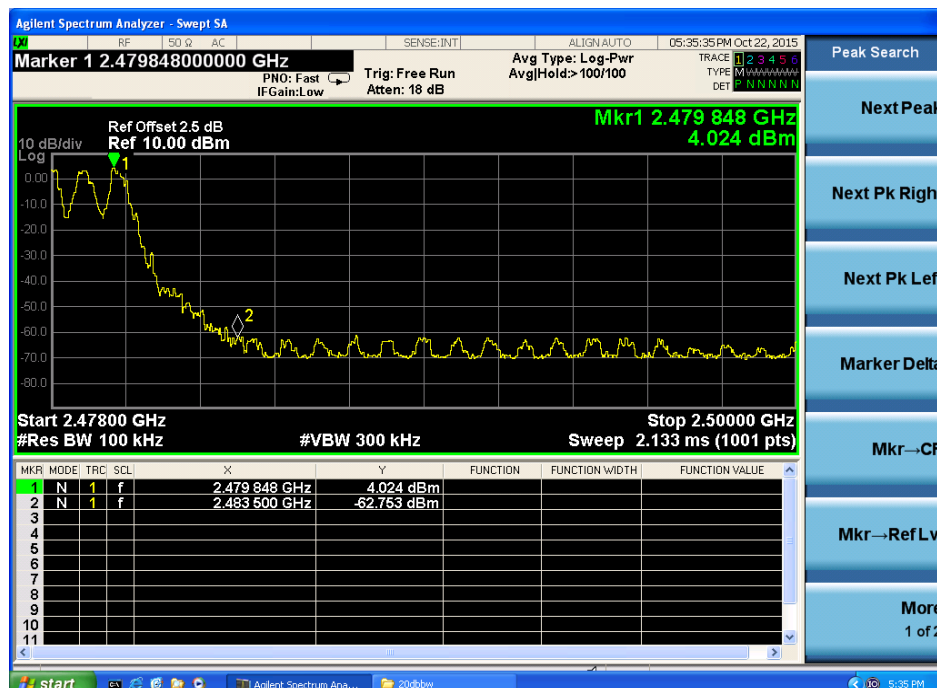


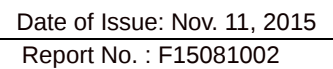
Hopping

Low

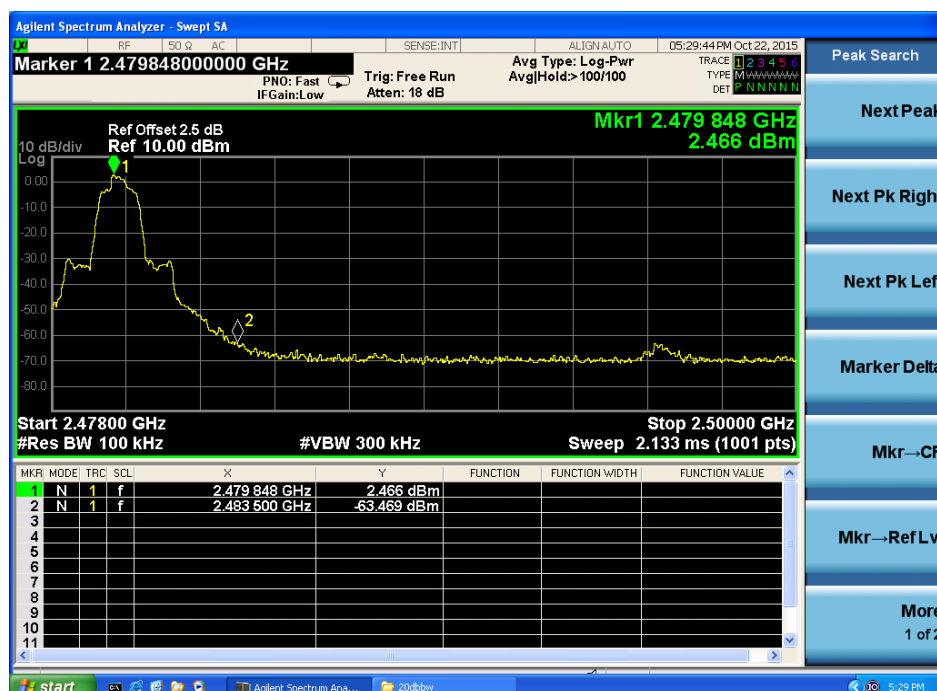


High





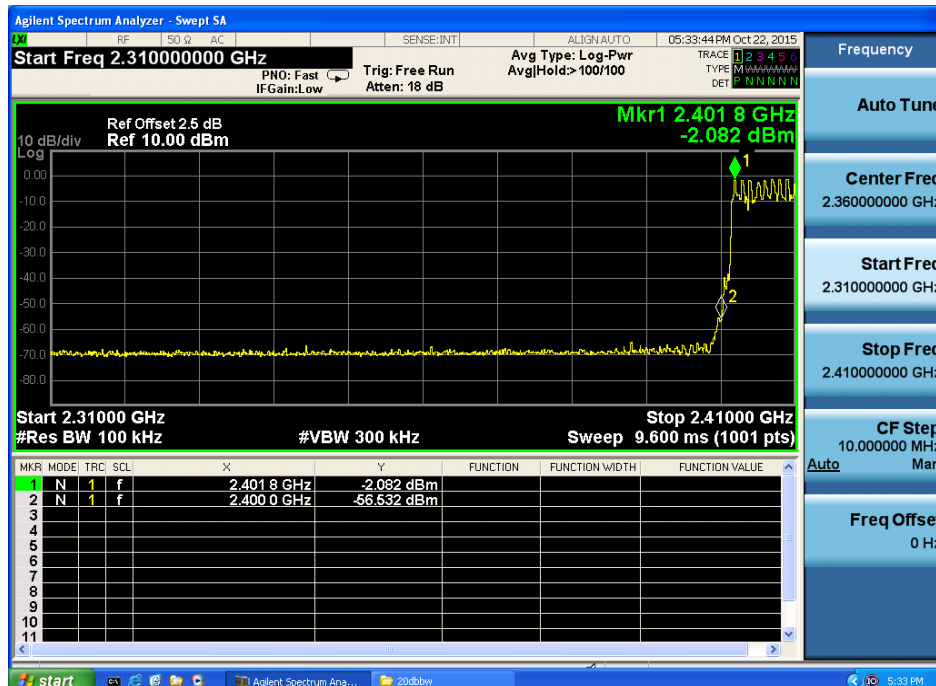
Low



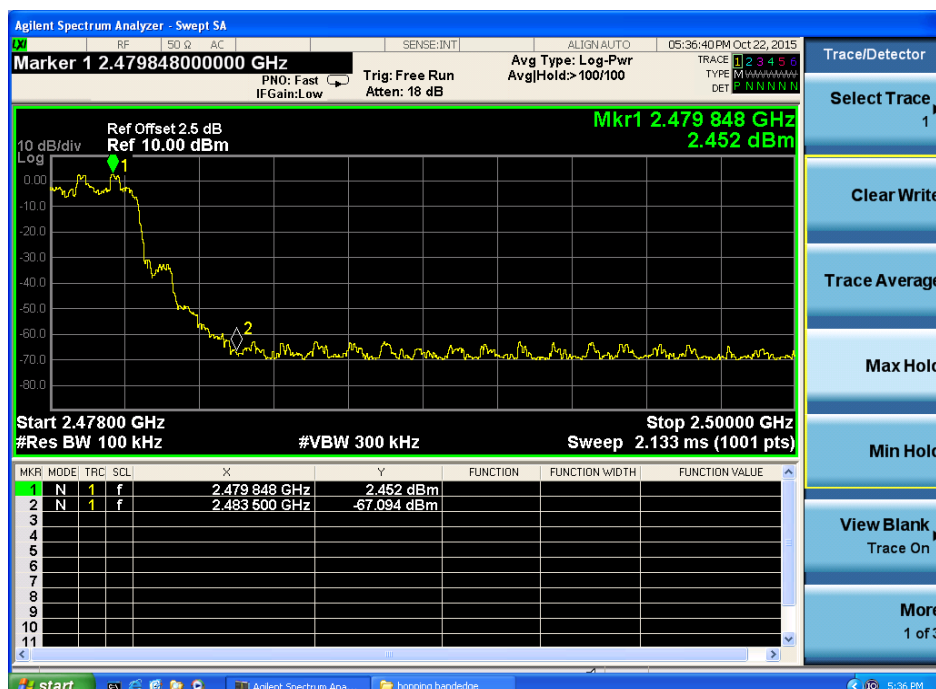


Hopping

Low



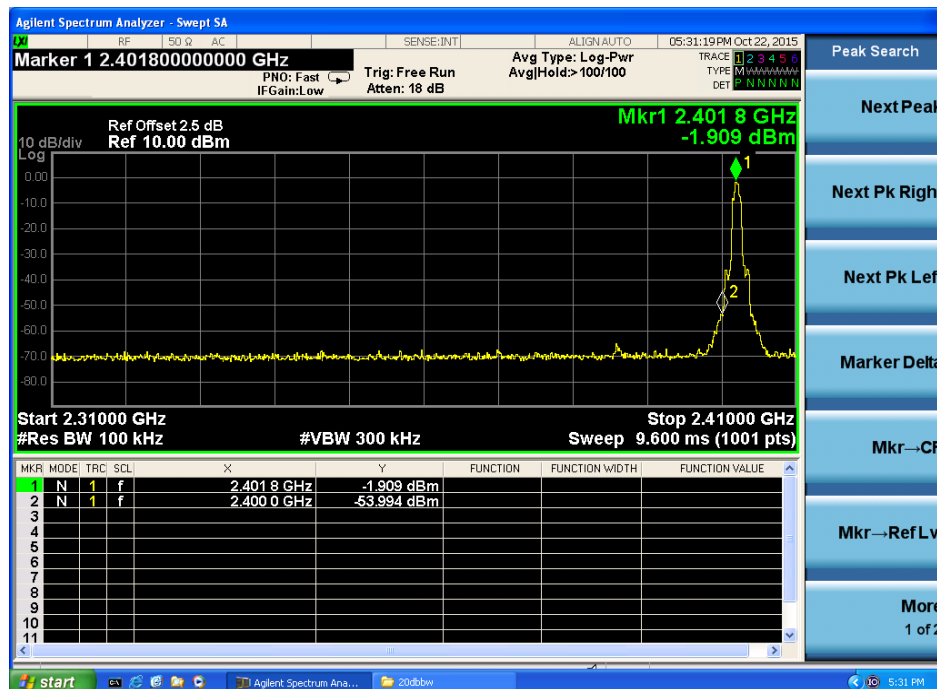
High





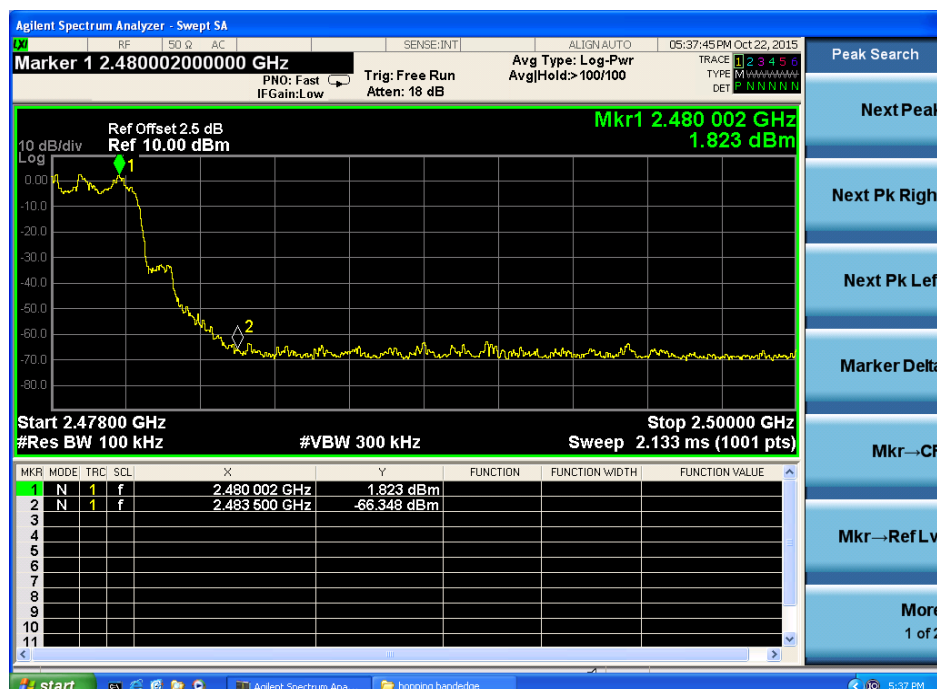
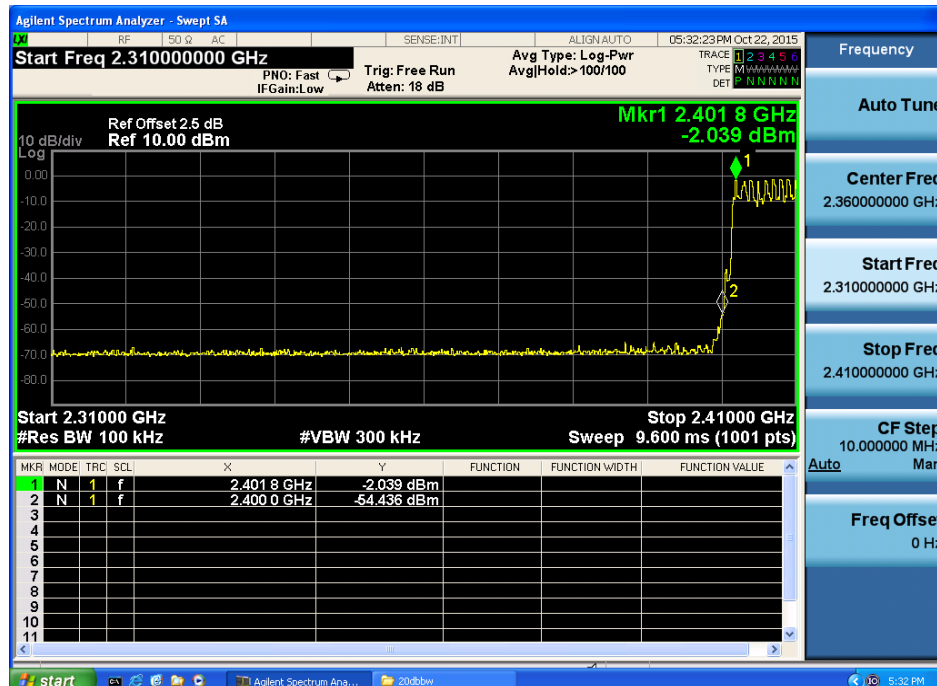
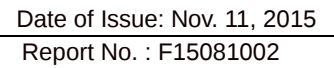
8- DPSK:

Low



High

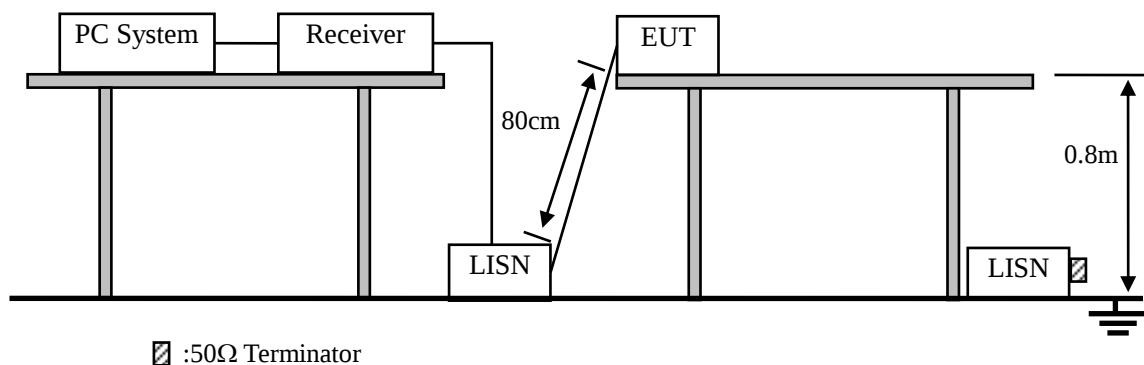






10. Power Line Conducted Emissions

10.1. Block Diagram of Test Setup



10.2. Limit

Frequency	Maximum RF Line Voltage	
	Quasi-Peak Level dB(μ V)	Average Level dB(μ V)
150kHz ~ 500kHz	66 ~ 56*	56 ~ 46*
500kHz ~ 5MHz	56	46
5MHz ~ 30MHz	60	50

Notes: 1. * Decreasing linearly with logarithm of frequency.

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

10.3. Test Procedure

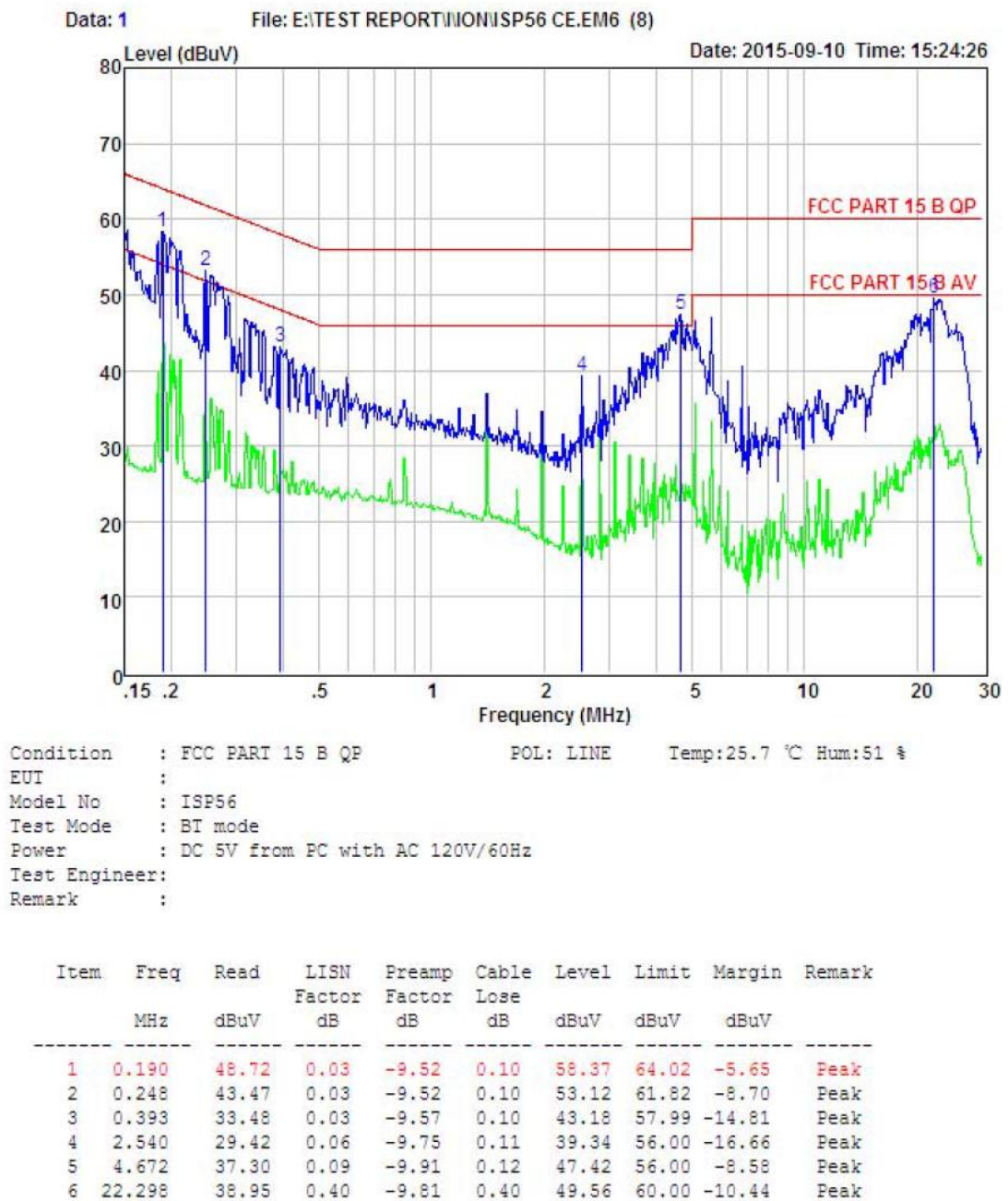
- (1) The EUT was placed on a non-metallic table, 80cm above the ground plane.
- (2) Setup the EUT and simulator as shown in 10.1
- (3) The EUT Power connected to the power mains through a power adapter and a line impedance stabilization network (L.I.S.N1). The other peripheral devices power cord connected to the power mains through a line impedance stabilization network (L.I.S.N2), this provided a 50-ohm coupling impedance for the EUT (Please refer to the block diagram of the test setup and photographs). Both sides of power line were checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.4 2014 on conducted Emission test.
- (4) The bandwidth of test receiver is set at 10KHz.



(5) The frequency range from 150 KHz to 30MHz is checked.

10.4. Test Result

PASS. (See below detailed test data)



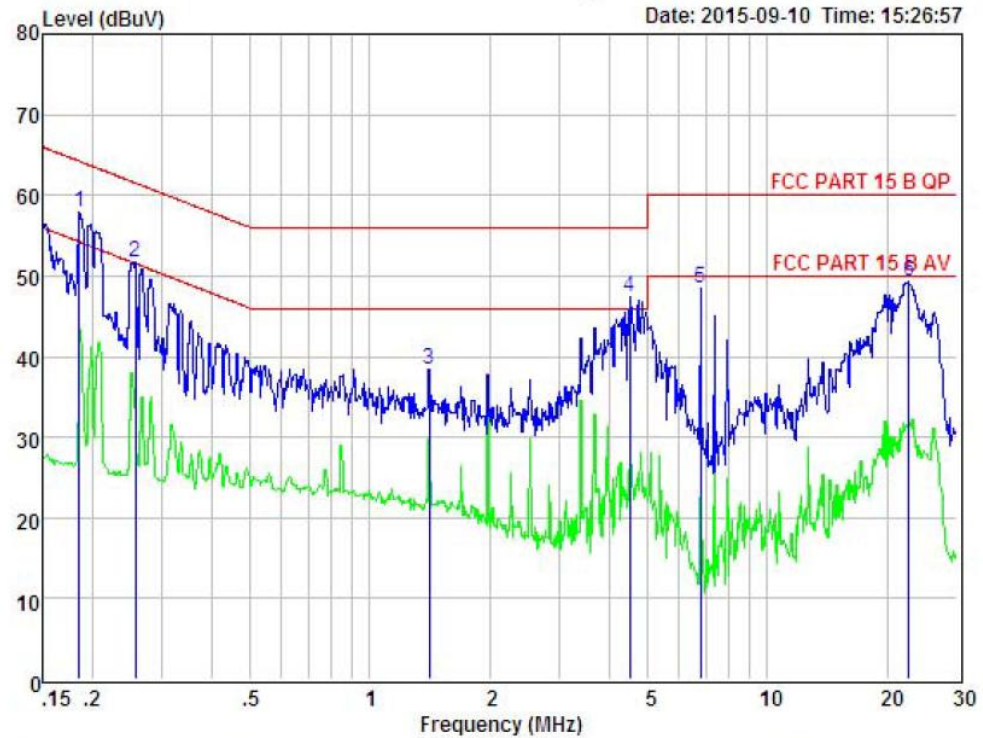
Remarks: Level = Read + LISN Factor - Preamp Factor + Cable loss



Data: 3

File: E:\TEST REPORT\ION\ISP56 CE.EM6 (8)

Date: 2015-09-10 Time: 15:26:57



Condition : FCC PART 15 B QP POL: NEUTRAL Temp:25.7 °C Hum:51 %
EUT :
Model No : ISP56
Test Mode : BT mode
Power : DC 5V from PC with AC 120V/60Hz
Test Engineer:
Remark :

Item	Freq MHz	Read dBuV	LISN Factor dB	Preamplifier Factor dB	Cable Loss dB	Level dBuV	Limit dBuV	Margin dBuV	Remark
1	0.185	48.27	0.03	-9.52	0.10	57.92	64.24	-6.32	Peak
2	0.258	42.04	0.03	-9.56	0.10	51.73	61.51	-9.78	Peak
3	1.411	28.48	0.05	-9.66	0.10	38.29	56.00	-17.71	Peak
4	4.501	37.29	0.09	-9.90	0.12	47.40	56.00	-8.60	Peak
5	6.805	38.20	0.12	-9.97	0.15	48.44	60.00	-11.56	Peak
6	22.775	38.73	0.41	-9.81	0.42	49.37	60.00	-10.63	Peak

Remarks: Level = Read + LISN Factor - Preamp Factor + Cable loss

Note1: If QP Result comply with AV limit, AV Result is deemed to comply with AV limit



11. Antenna Requirements

11.1. Limit

For intentional device, according to 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. And according to RSS-GEN, if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

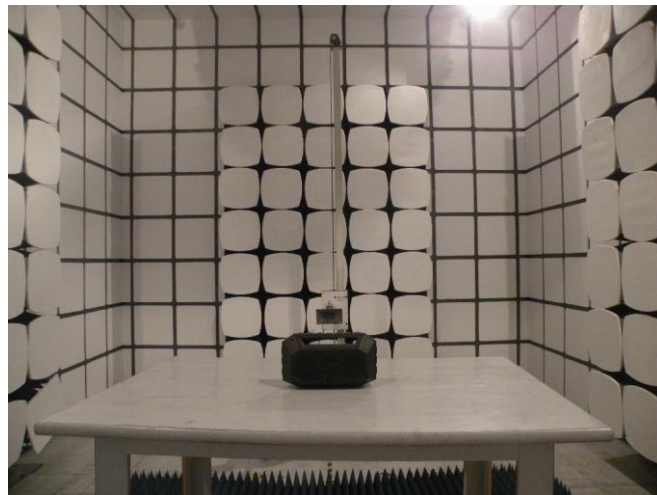
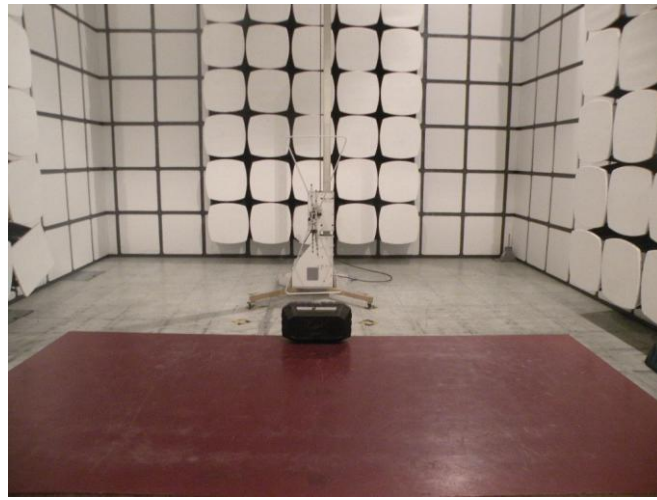
11.2. Result

The antennas used for this product are PCB Antenna for Bluetooth, no antenna other than that furnished by the responsible party shall be used with the device, the maximum peak gain of the transmit antenna is only 0dBi .



12. Test setup photo

12.1. Photos of Radiated emission





12.2.Photos of Conducted Emission test





13.Photos of EUT



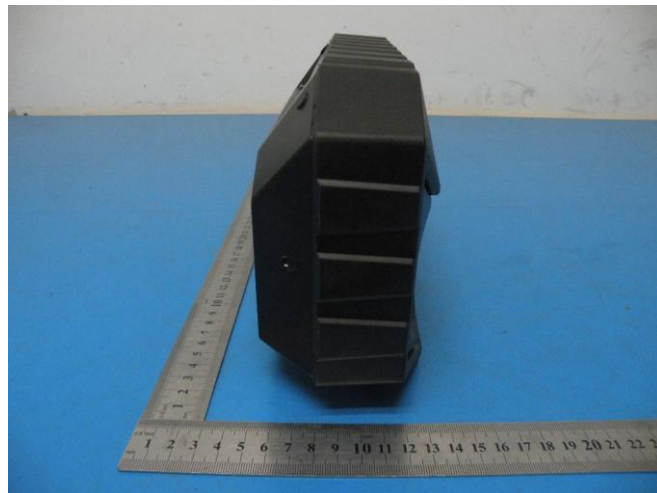


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Date of Issue: Nov. 11, 2015

Report No. : F15081002







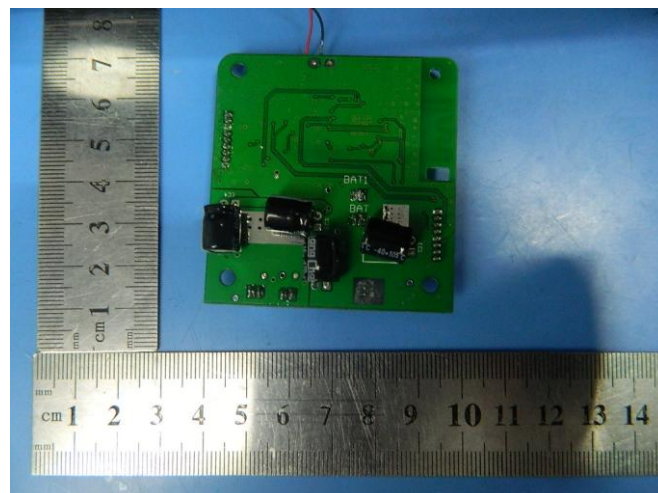
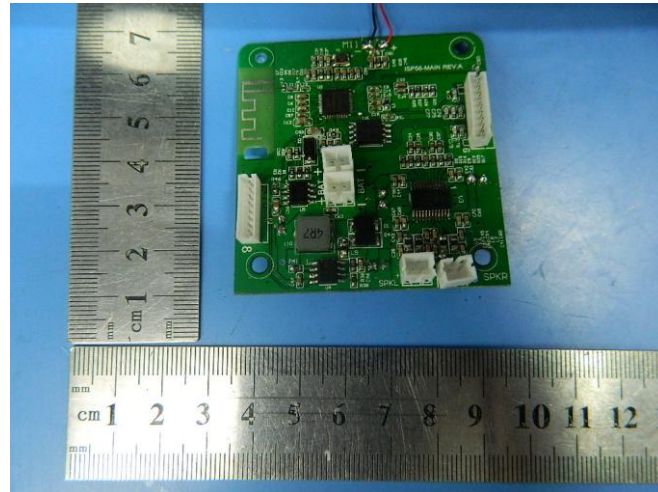
WH Technology Corp.

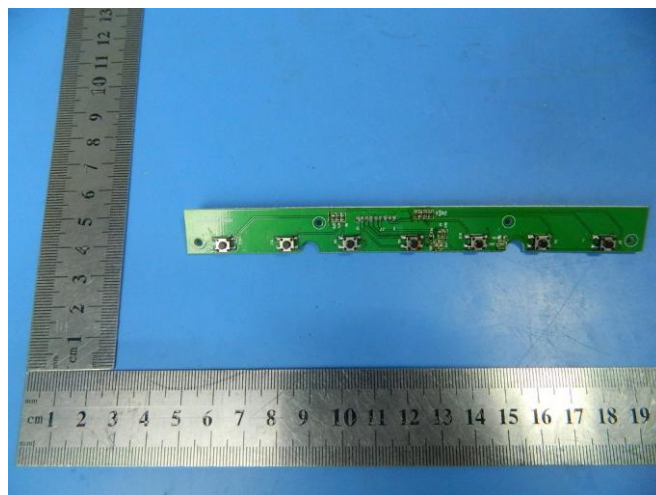
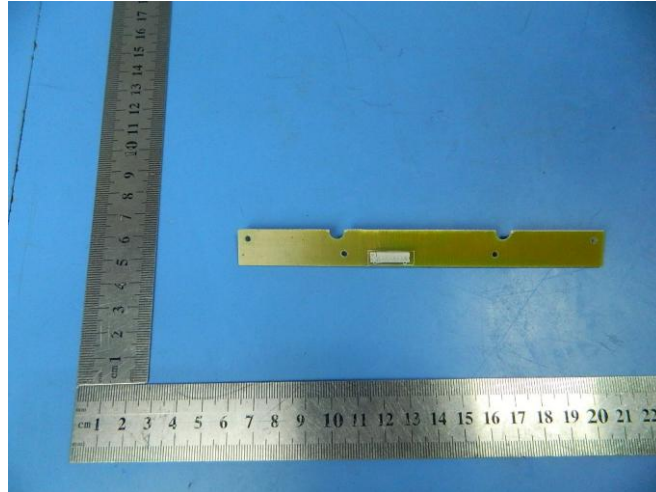
Date of Issue: Nov. 11, 2015

Report No. : F15081002









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