

FCC/IC Radio Test Report

FCC ID: PP2H6060 IC: 7497B-H6060

This report concerns (check one): Original Grant Class II Change

Issued Date : Jul. 14, 2011 **Project No.** : 1107C030

Equipment: Bluetooth stereo headset

Model Name: H6060

Applicant: ShenZhen Rapoo Technology Co., Ltd.

Address: Block A1,B1,B2,1st second stage, 1st Industrial Park,

3rd Industrial Zone ,Fenghuang Fuyong, BaoAn ,

Shenzhen, P.R.CHINA

Tested by:

Neutron Engineering Inc. EMC Laboratory

Date of Receipt: Jul. 07, 2011

Date of Test:

Jul. 07, 2011 ~ Jul. 13, 2011

Testing Engineer

(Ivan Cad

Technical Manager

/Loo Huna

Authorized Signatory

(Steven Lu)

Page 1 of 110

Neutron Engineering Inc.

No.3, Jinshagang 1st Road, ShiXia, Dalang Town, Dong Guan, China. TEL: (0769) 8318-3000 FAX: (0769) 8319-6000

Report No.: NEI-FICP-1-1107C030



Declaration

Neutron represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with the standards traceable to National Measurement Laboratory (**NML**) of **CHINA**, or National Institute of Standards and Technology (**NIST**) of **U.S.A**.

Neutron's reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. **Neutron** shall have no liability for any declarations, inferences or generalizations drawn by the client or others from **Neutron** issued reports.

Neutron's reports must not be used by the client to claim product endorsement by the authorities or any agency of the Government.

This report is the confidential property of the client. As a mutual protection to the clients, the public and **Neutron-self**, extracts from the test report shall not be reproduced except in full with **Neutron**'s authorized written approval.

Neutron's laboratory quality assurance procedures are in compliance with the **ISO Guide 17025** requirements, and accredited by the conformity assessment authorities listed in this test report.

Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

Report No.: NEI-FICP-1-1107C030 Page 2 of 110

Table of Contents	Page
1 . CERTIFICATION	6
2 . SUMMARY OF TEST RESULTS	7
2.1 TEST FACILITY	8
	_
2.2 MEASUREMENT UNCERTAINTY	8
3. GENERAL INFORMATION	9
3.1 GENERAL DESCRIPTION OF EUT	9
3.2 DESCRIPTION OF TEST MODES	11
3.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING	11
3.4 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTE	ED 12
3.5 DESCRIPTION OF SUPPORT UNITS	13
4 . EMC EMISSION TEST	14
4.1 CONDUCTED EMISSION MEASUREMENT	14
4.1.1 POWER LINE CONDUCTED EMISSION LIMITS	14
4.1.2 MEASUREMENT INSTRUMENTS LIST AND SETTING 4.1.3 TEST PROCEDURE	14 15
4.1.4 DEVIATION FROM TEST STANDARD	15
4.1.5 TEST SETUP	15
4.1.6 EUT OPERATING CONDITIONS	15
4.1.7 TEST RESULTS	16
4.2 RADIATED EMISSION MEASUREMENT	18
4.2.1 RADIATED EMISSION LIMITS 4.2.2 MEASUREMENT INSTRUMENTS LIST ANS SETTING	18 19
4.2.3 TEST PROCEDURE	20
4.2.4 DEVIATION FROM TEST STANDARD	20
4.2.5 TEST SETUP	21
4.2.6 EUT OPERATING CONDITIONS	21
4.2.7 TEST RESULTS (BETWEEN30 – 1000 MHZ) 4.2.8 TEST RESULTS (ABOVE 1000 MHZ)	22 26
5 . NUMBER OF HOPPING CHANNEL	62
5.1 APPLIED PROCEDURES / LIMIT	62
5.1.1 MEASUREMENT INSTRUMENTS LIST AND SETTING	62 62
5.1.2 TEST PROCEDURE	62
5.1.3 DEVIATION FROM STANDARD	62
5.1.4 TEST SETUP	62
5.1.5 EUT OPERATION CONDITIONS 5.1.6 TEST RESULTS	62 63
51116 1261 K266216	•

Report No.: NEI-FICP-1-1107C030 Page 3 of 110

Table of Contents	Page
6 . AVERAGE TIME OF OCCUPANCY	65
6.1 APPLIED PROCEDURES / LIMIT	65
6.1.1 MEASUREMENT INSTRUMENTS LIST	65
6.1.2 TEST PROCEDURE	65
6.1.3 DEVIATION FROM STANDARD	65
6.1.4 TEST SETUP	66
6.1.5 EUT OPERATION CONDITIONS	66
6.1.6 TEST RESULTS	67
7 . HOPPING CHANNEL SEPARATION MEASUREMENT	79
7.1 APPLIED PROCEDURES / LIMIT	79
7.1.1 MEASUREMENT INSTRUMENTS LIST AND SETTING	79
7.1.2 TEST PROCEDURE	79
7.1.3 DEVIATION FROM STANDARD	79
7.1.4 TEST SETUP	79
7.1.5 EUT OPERATION CONDITIONS	79
7.1.6 TEST RESULTS	80
8 . BANDWIDTH TEST	84
8.1 APPLIED PROCEDURES / LIMIT	84
8.1.1 MEASUREMENT INSTRUMENTS LIST AND SETTING	84
8.1.2 TEST PROCEDURE	84
8.1.3 DEVIATION FROM STANDARD	84
8.1.4 TEST SETUP 8.1.5 EUT OPERATION CONDITIONS	84 84
8.1.6 TEST RESULTS	85
9 . PEAK OUTPUT POWER TEST	89
9.1 APPLIED PROCEDURES / LIMIT	89
9.1.1 MEASUREMENT INSTRUMENTS LIST AND SETTING	89
9.1.2 TEST PROCEDURE 9.1.3 DEVIATION FROM STANDARD	89 89
9.1.4 TEST SETUP	89
9.1.5 EUT OPERATION CONDITIONS	89
9.1.6 TEST RESULTS	90
10 . ANTENNA CONDUCTED SPURIOUS EMISSION	94
10.1 APPLIED PROCEDURES / LIMIT	94
10.1.1 MEASUREMENT INSTRUMENTS LIST AND SETTING	94
10.1.2 TEST PROCEDURE	94
10.1.3 DEVIATION FROM STANDARD	94
10.1.4 TEST SETUP	94
10.1.5 EUT OPERATION CONDITIONS	94

Report No.: NEI-FICP-1-1107C030 Page 4 of 110



Table of Contents	Page
10.1.6 TEST RESULTS	95
11 . RF EXPOSURE TEST	107
11.1 APPLIED PROCEDURES / LIMIT	107
11.1.1 MPE CALCULATION METHOD	107
11.1.2 DEVIATION FROM STANDARD	107
11.1.3 EUT OPERATION CONDITIONS	107
11.1.4 TEST RESULTS	108
12 . EUT TEST PHOTO	109

Report No.: NEI-FICP-1-1107C030 Page 5 of 110

1. CERTIFICATION

Equipment: Bluetooth stereo headset

Brand Name: RAPOO Model Name: H6060

Applicant: ShenZhen Rapoo Technology Co., Ltd.

Date of Test: Jul. 07, 2011 ~ Jul. 13, 2011 Test Item: ENGINEERING SAMPLE

Standards: FCC Part15, Subpart C(15.247) / ANSI C63.4: 2003 / Canada RSS-210:2010

The above equipment has been tested and found compliance with the requirement of the relative standards by Neutron Engineering Inc. EMC Laboratory.

The test data, data evaluation, and equipment configuration contained in our test report (Ref No. NEI-FICP-1-1107C030) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of NVLAP and TAF according to the ISO-17025 quality assessment standard and technical standard(s).

Report No.: NEI-FICP-1-1107C030 Page 6 of 110



2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

APP	APPLIED STANDARD: 47 CFR Part 15, Subpart C; Canada RSS-210:2010				
Standard Section					
RSS-210	47 CFR Part 15	Test Item	Judgment	Remark	
RSS-GEN 7.2.2	15.207	Conducted Emission	PASS		
RSS-210 Annex 8 (A8.1d)	15.247(d)	Antenna conducted Spurious Emission	PASS		
RSS-210 Annex 8 (A8.1d)	15.247 (a)(1)	Hopping Channel Separation	PASS		
RSS-210 Annex 8 (A8.1b)	15.247 (b)(1)	Peak Output Power	PASS		
RSS-210 Annex 8 (A8.1a)	15.247(d) 15.209	Radiated Spurious Emission	PASS		
RSS-210 Annex 8 (A8.4(2))	15.247 (a)(1)(iii)	Number of Hopping Frequency	PASS		
RSS-210 Annex 8 (A8.5)	15.247 (a)(1)(iii)	Dwell Time	PASS		
RSS-Gen 7.2.3	15.205	Restricted Bands	PASS		
RSS-210 Annex 8 (A8.5)	15.203	Antenna Requirement	PASS		

NOTE:

(1)" N/A" denotes test is not applicable in this Test Report

Report No.: NEI-FICP-1-1107C030 Page 7 of 110

2.1 TEST FACILITY

The test facilities used to collect the test data in this report is **DG-C02/DG-CB03** at the location of No.3, Jinshagang 1st Road, ShiXia, Dalang Town, Dong Guan, China.523792 Neutron's test firm number for FCC 319330 Neutron's test firm number for IC 4428B-1

2.2 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

The reported uncertainty of measurement $\mathbf{y} \pm \mathbf{U}$, where expended uncertainty \mathbf{U} is based on a standard uncertainty multiplied by a coverage factor of $\mathbf{k=2}$, providing a level of confidence of approximately 95 % \circ

A. Conducted Measurement:

Test Site	Method	Measurement Frequency Range	U, (dB)	NOTE
DG-C02	CISPR	150 KHz ~ 30MHz	1.94	

B. Radiated Measurement:

Test Site	Method	Measurement Frequency Range	Ant. H / V	U,(dB)	NOTE
		30MHz ~ 200MHz	V	3.82	
DG-CB03	CISPR	30MHz ~ 200MHz	Н	3.60	
DG-CB03	CISER	200MHz ~ 1,000MHz	V	3.86	
		200MHz ~ 1,000MHz	Н	3.94	

Report No.: NEI-FICP-1-1107C030 Page 8 of 110



3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	Bluetooth stereo headset		
Brand Name	RAPOO		
Model Name	H6060		
OEM Brand/Model Name	N/A		
Model Difference	N/A		
Product Description	exhibited in User's Manı	stereo headset 2402~2480 MHz GFSK(1Mbps) π/4-DQPSK(2Mbps) 8-DPSK(3Mbps) 79 CH Please see Note 3. Please see Note 3. 4.84 dBm (1Mbps) 3.80 dBm (3Mbps) n, features, or specification ual, the EUT is considered as an More details of EUT technical	
Power Source	#1 DC Voltage supplied from PC USB Port. #2 DC Voltage supplied from Li-ion battery		
Power Rating	# 1 I/P AC 120V/60Hz, O/P DC 5V #2 DC 3.7V 450mAh		
Connecting I/O Port(s)	Please refer to the User's Manual		
Products Covered	N/A		
EUT Modification(s)	N/A		

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

Report No.: NEI-FICP-1-1107C030 Page 9 of 110



2

	Channel List				
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
00	2402	27	2429	54	2456
01	2403	28	2430	55	2457
02	2404	29	2431	56	2458
03	2405	30	2432	57	2459
04	2406	31	2433	58	2460
05	2407	32	2434	59	2461
06	2408	33	2435	60	2462
07	2409	34	2436	61	2463
08	2410	35	2437	62	2464
09	2411	36	2438	63	2465
10	2412	37	2439	64	2466
11	2413	38	2440	65	2467
12	2414	39	2441	66	2468
13	2415	40	2442	67	2469
14	2416	41	2443	68	2470
15	2417	42	2444	69	2471
16	2418	43	2445	70	2472
17	2419	44	2446	71	2473
18	2420	45	2447	72	2474
19	2421	46	2448	73	2475
20	2422	47	2449	74	2476
21	2423	48	2450	75	2477
22	2424	49	2451	76	2478
23	2425	50	2452	77	2479
24	2426	51	2453	78	2480
25	2427	52	2454		
26	2428	53	2455		

Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	Printed Antenna	N/A	1.4

Report No.: NEI-FICP-1-1107C030 Page 10 of 110

3.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Description
Mode 1	TX Mode NOTE (1)
Mode 2	RX Mode NOTE (1)
Mode 3	Charge Mode

The EUT system operated these modes were found to be the worst case during the pre-scanning test as Following:

For Conducted Emission		
Final Test Mode	Description	
Mode 3	Charge Mode	

For Radiated Emission		
Final Test Mode	Description	
Mode 1	TX Mode NOTE (1)	
Mode 2	RX Mode NOTE (1)	

Note:

(1) The measurements are performed at the highest, middle, lowest available channels.

3.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters of FHSS

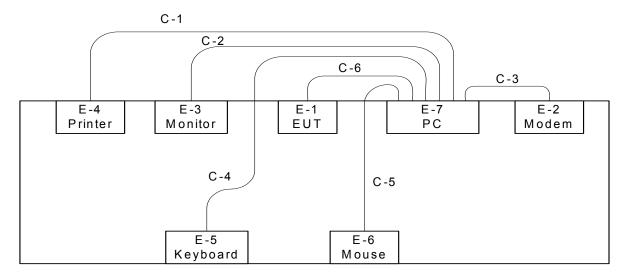
Test software Version	Test program: BlueTest3		
Frequency	2402 MHz	2441 MHz	2480 MHz
Parameters-1Mbps	50	50	50
Parameters-3Mbps	50	50	50

Report No.: NEI-FICP-1-1107C030 Page 11 of 110



3.4 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Conducted:



C-1: Parallel Cable C-2: D-Sub Cable C-3: RS232 Cable C-4: USB Cable C-5: USB Cable C-6: USB Cable

Radiation TX Mode:

E-1 EUT

Report No.: NEI-FICP-1-1107C030 Page 12 of 110

3.1 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	FCC ID/IC	Series No.	Note
E-1	Bluetooth stereo headset	RAPOO	H6060	PP2H6060	N/A	EUT
E-2	Modem	ACEEX	DM-1414V	IFAXDm1414	0603002131	
E-3	LCD monitor	Dell	E177FPc	DOC	CNOFJ179-6418 0-6AG-1WNS	
E-4	Printer	SII	DPU-414	DOC	3018507 B	
E-5	USB Keyboard	Dell	L100	DOC	CNORH6596589 071T08NE	
E-6	USB Mouse	Dell	MO56UOA	DOC	FQJ000BS	
E-7	PC	HP	Dx7208	DOC	CNG7050PB7	

Item	Shielded Type	Ferrite Core	Length	Note
C-1	YES	NO	1.5M	
C-2	YES	YES	1.8M	
C-3	YES	NO	1.5M	
C-4	YES	YES	1.8M	
C-5	YES	NO	1.8M	
C-6	NO	NO	0.8M	

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in <code>"Length_"</code> column.

Report No.: NEI-FICP-1-1107C030 Page 13 of 110

4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 POWER LINE CONDUCTED EMISSION Limits (Frequency Range 150KHz-30MHz)

FREQUENCY (MHz)	Class A (dBuV)		Class B	Standard	
FREQUENCT (MITZ)	Quasi-peak	Average	Quasi-peak	Average	Stariuaru
0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *	CISPR
0.50 -5.0	73.00	60.00	56.00	46.00	CISPR
5.0 -30.0	73.00	60.00	60.00	50.00	CISPR

0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *	FCC
0.50 -5.0	73.00	60.00	56.00	46.00	FCC
5.0 -30.0	73.00	60.00	60.00	50.00	FCC

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

4.1.2 MEASUREMENT INSTRUMENTS LIST AND SETTING

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	LISN	EMCO	3816/2	00052765	May.26.2012
2	LISN	R&S	ENV216	100087	May.26.2012
3	Test Cable	N/A	C_17	N/A	Mar.30.2012
4	EMI TEST RECEIVER	R&S	ESCS30	826547/022	May.26.2012
5	50Ω Terminator	SHX	TF2-3G-A	08122902	May.26.2012

Remark: "N/A" denotes No Model No., Serial No. or No Calibration specified.

The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

Report No.: NEI-FICP-1-1107C030 Page 14 of 110

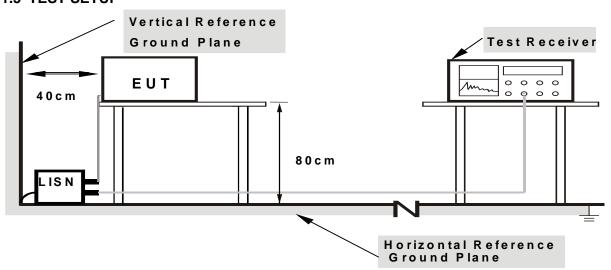
4.1.3 TEST PROCEDURE

- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.1.4 DEVIATION FROM TEST STANDARD

No deviation

4.1.5 TEST SETUP



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

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

4.1.6 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

The EUT is continue Transmitter/Receive data or Hopping on mode.

Report No.: NEI-FICP-1-1107C030 Page 15 of 110

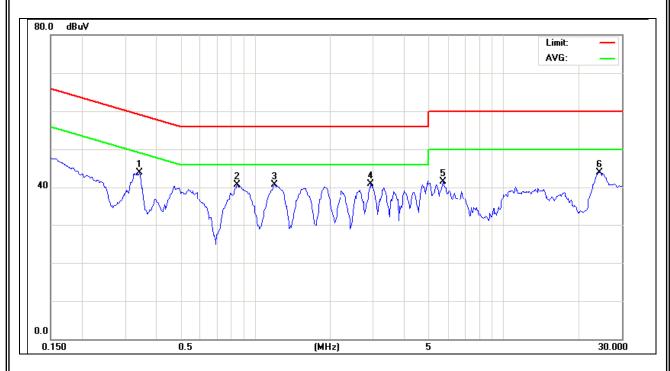
4.1.7 TEST RESULTS

EUT:	Bluetooth stereo headset	Model Name :	H6060
Temperature:	21 ℃	Relative Humidity:	50 %
Pressure:	1010hPa	Test Power :	AC 120V/60Hz
Test Mode :	Charge Mode		

Freq.	Terminal	Measure	ed(dBuV)	Limits	(dBuV)	Margin	Note
(MHz)	L/N	QP-Mode	AV-Mode	QP-Mode	AV-Mode	(dB)	NOTE
0.34	Line	43.98	*	59.18	49.18	-15.20	(QP)
0.84	Line	40.67	*	56.00	46.00	-15.33	(QP)
1.19	Line	40.75	*	56.00	46.00	-15.25	(QP)
2.93	Line	40.89	*	56.00	46.00	-15.11	(QP)
5.71	Line	41.51	*	60.00	50.00	-18.49	(QP)
24.40	Line	43.99	*	60.00	50.00	-16.01	(QP)

Remark

- (1) All readings are QP Mode value unless otherwise stated AVG in column of Note ... If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform In this case, a " * " marked in AVG Mode column of Interference Voltage Measured •
- (2) Measuring frequency range from 150KHz to 30MHz \circ



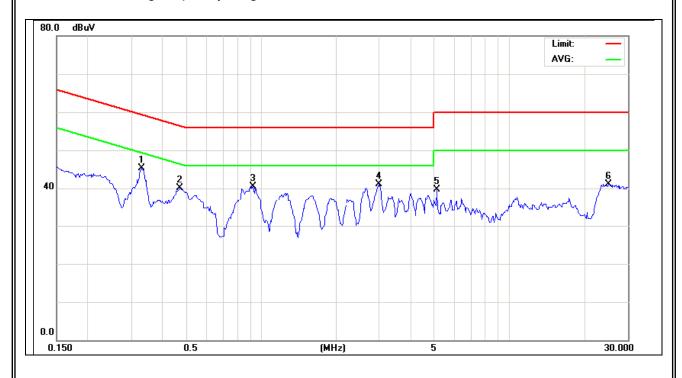
Report No.: NEI-FICP-1-1107C030 Page 16 of 110



EUT:	Bluetooth stereo headset	Model Name :	H6060
Temperature:	21 ℃	Relative Humidity:	50 %
Pressure:	1010hPa	Test Power :	AC 120V/60Hz
Test Mode :	Charge Mode		

Freq.	Terminal	Measure	d(dBuV)	Limits	(dBuV)	Margin	Note
(MHz)	L/N	QP-Mode	AV-Mode	QP-Mode	AV-Mode	(dB)	NOLE
0.33	Neutral	45.30	*	59.49	49.49	-14.19	(QP)
0.47	Neutral	40.03	*	56.54	46.54	-16.51	(QP)
0.92	Neutral	40.55	*	56.00	46.00	-15.45	(QP)
2.99	Neutral	41.13	*	56.00	46.00	-14.87	(QP)
5.11	Neutral	39.75	*	60.00	50.00	-20.25	(QP)
25.05	Neutral	41.19	*	60.00	50.00	-18.81	(QP)

- (1) All readings are QP Mode value unless otherwise stated AVG in column of Note . If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform In this case, a " * " marked in AVG Mode column of Interference Voltage Measured •
- (2) Measuring frequency range from 150KHz to 30MHz o



Report No.: NEI-FICP-1-1107C030 Page 17 of 110



4.2 RADIATED EMISSION MEASUREMENT

4.2.1 RADIATED EMISSION LIMITS (Frequency Range 9kHz-1000MHz)

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequencies	Field Strength	Measurement Distance
(MHz)	(micorvolts/meter)	(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

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

FREQUENCY (MHz)	(dBuV/n	n) (at 3M)
FREQUENCY (IVITIZ)	PEAK	AVERAGE
Above 1000	74	54

Notes:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

FREQUENCY RANGE OF RADIATED MEASUREMENT (For unintentional radiators)

Highest frequency generated or Upper frequency of measurement used in the device or on which the device operates or tunes (MHz)	Range (MHz)
Below 1.705	30
1.705 – 108	1000
108 – 500	2000
500 – 1000	5000
Above 1000	5 th harmonic of the highest frequency or 40 GHz, whichever is lower

Report No.: NEI-FICP-1-1107C030 Page 18 of 110

4.2.2 MEASUREMENT INSTRUMENTS LIST ANS SETTING

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Active Loop Antenna	R&S	HFH2-Z2	830749/020	May.26.2012
2	Bi-log Antenna	Schwarbeck	VULB9160	9160-3232	May.25.2012
3	Horn Antenna	ETS	3115	00075789	May.11.2012
4	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170340	Dec.15.2011
5	Amplifier	HP	8447D	2944A09673	May.25.2012
6	Amplifier	Agilent	8449B	3008A02274	May.25.2012
7	Amplifier	EMC	EMC2654045	980039	Aug.12.2011
8	Test Receiver	R&S	ESCI	100895	May.25.2012
9	Spectrum Analyzer	R&S	FSP 40	100185	Nov.26.2011
10	Test Cable	N/A	C-01_CB03	N/A	Jul.04.2012
11	Test Cable	HUBER+SUHNER	SUCOFLEX_8 m	313794/4	Apr.11.2012
12	Controller	СТ	SC100	N/A	N/A

Remark: "N/A" denotes No Model Name / Serial No. and No Calibration specified.

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

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

Report No.: NEI-FICP-1-1107C030 Page 19 of 110



4.2.3 TEST PROCEDURE

- a. The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The height of the equipment or of the substitution antenna shall be 0.8 m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

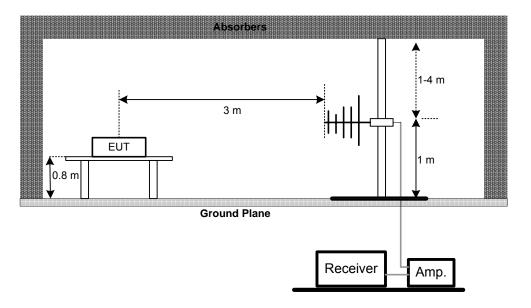
4.2.4 DEVIATION FROM TEST STANDARD
No deviation

Report No.: NEI-FICP-1-1107C030 Page 20 of 110

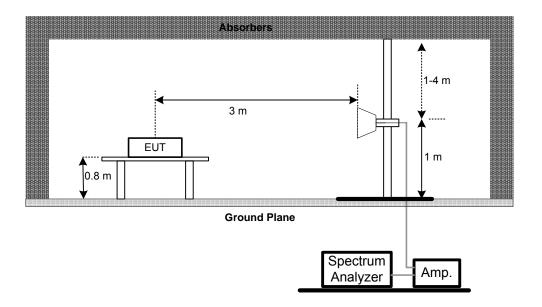


4.2.5 TEST SETUP

(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



(B) Radiated Emission Test Set-Up Frequency Above 1 GHz



4.2.6 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of **4.1.6** Unless otherwise a special operating condition is specified in the follows during the testing.

Report No.: NEI-FICP-1-1107C030 Page 21 of 110

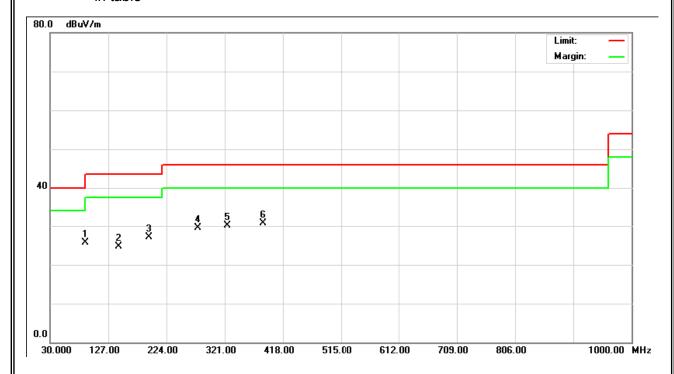
4.2.7 TEST RESULTS (BETWEEN30 - 1000 MHZ)

EUT:	Bluetooth stereo headset	Model Name :	H6060
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX 2402MHz -CH00-1Mbps		

Freq. (MHz)	Ant. H/V	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
86.93	V	44.78	-19.10	25.68	40.00	- 14.32	
143.68	V	42.34	-17.67	24.67	43.50	- 18.83	
193.52	V	43.74	-16.67	27.07	43.50	- 16.43	
276.34	V	42.39	-12.88	29.51	46.00	- 16.49	
324.38	V	41.62	-11.47	30.15	46.00	- 15.85	·
384.50	V	40.27	-9.59	30.68	46.00	- 15.32	·

Remark:

- (1) Reading in which marked as QP or Peak means measurements by using are Quasi-Peak Mode or Peak Mode with Detector BW=120KHz ; SPA setting in RBW=120KHz, VBW =120KHz, Swp. Time = 0.3 sec./MHz $^{\circ}$
- (2) All readings are Peak unless otherwise stated QP in column of \lceil Note \rceil . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform \circ
- (3) Measuring frequency range from 30MHz to 1000MHz o
- (4) If the peak scan value lower limit more than 20dB, then this signal data does not show in table \circ

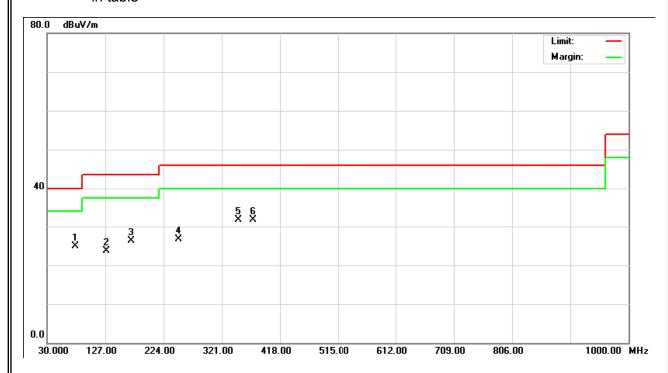


Report No.: NEI-FICP-1-1107C030 Page 22 of 110

EUT:	Bluetooth stereo headset	Model Name :	H6060
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX 2402MHz -CH00-1Mbps		

Freq. (MHz)	Ant. H/V	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
76.38	Н	43.72	-18.87	24.85	40.00	- 15.15	
127.35	Η	41.96	-18.16	23.80	43.50	- 19.70	
168.48	Н	43.58	-17.35	26.23	43.50	- 17.27	
247.68	Н	41.46	-14.70	26.76	46.00	- 19.24	
346.89	Н	42.54	-10.91	31.63	46.00	- 14.37	
372.58	Н	41.78	-10.02	31.76	46.00	- 14.24	

- (1) Reading in which marked as QP or Peak means measurements by using are Quasi-Peak Mode or Peak Mode with Detector BW=120KHz ; SPA setting in RBW=120KHz, VBW =120KHz, Swp. Time = 0.3 sec./MHz $^{\circ}$
- (2) All readings are Peak unless otherwise stated QP in column of \lceil Note $_{
 m J}$. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform $_{
 m O}$
- (3) Measuring frequency range from 30MHz to 1000MHz \circ
- (4) If the peak scan value lower limit more than 20dB, then this signal data does not show in table \circ

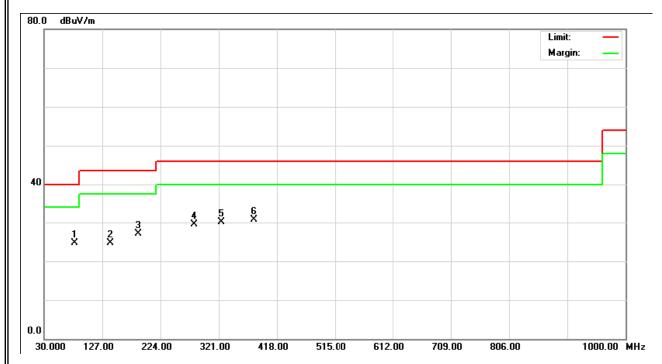


Report No.: NEI-FICP-1-1107C030 Page 23 of 110

EUT:	Bluetooth stereo headset	Model Name :	H6060
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	RX Mode 2402MHz		

Freq. (MHz)	Ant. H/V	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
79.49	V	43.72	-19.04	24.68	40.00	- 15.32	
139.80	V	42.42	-17.75	24.67	43.50	- 18.83	
186.83	V	43.85	-16.78	27.07	43.50	- 16.43	
279.99	V	42.16	-12.65	29.51	46.00	- 16.49	
324.78	V	41.61	-11.46	30.15	46.00	- 15.85	
377.85	V	40.51	-9.83	30.68	46.00	- 15.32	

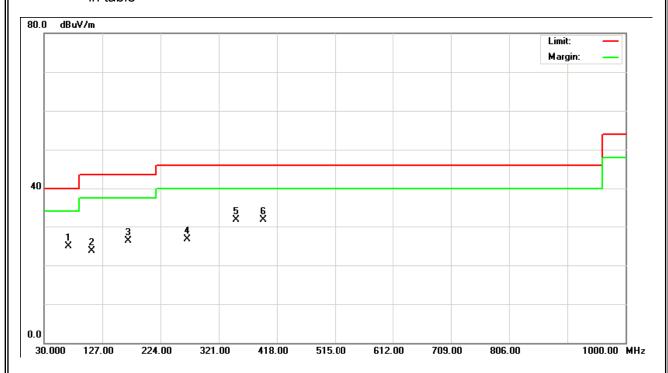
- (1) Reading in which marked as QP or Peak means measurements by using are Quasi-Peak Mode or Peak Mode with Detector BW=120KHz ; SPA setting in RBW=120KHz, VBW =120KHz, Swp. Time = 0.3 sec./MHz $^{\circ}$
- (2) All readings are Peak unless otherwise stated QP in column of <code>『Note』</code>. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform \circ
- (3) Measuring frequency range from 30MHz to 1000MHz \circ
- (4) If the peak scan value lower limit more than 20dB, then this signal data does not show in table \circ



EUT:	Bluetooth stereo headset	Model Name :	H6060
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	RX Mode 2402MHz		

Freq. (MHz)	Ant. H/V	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
69.28	Н	43.09	-18.24	24.85	40.00	- 15.15	
108.71	Η	42.16	-18.36	23.80	43.50	- 19.70	
169.59	Н	43.54	-17.31	26.23	43.50	- 17.27	
267.88	Н	40.17	-13.41	26.76	46.00	- 19.24	
349.79	Η	42.47	-10.84	31.63	46.00	- 14.37	
393.71	Н	41.01	-9.25	31.76	46.00	- 14.24	

- (1) Reading in which marked as QP or Peak means measurements by using are Quasi-Peak Mode or Peak Mode with Detector BW=120KHz ; SPA setting in RBW=120KHz, VBW =120KHz, Swp. Time = 0.3 sec./MHz $^{\circ}$
- (2) All readings are Peak unless otherwise stated QP in column of \lceil Note $_{
 m J}$. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform $_{
 m O}$
- (3) Measuring frequency range from 30MHz to 1000MHz o
- (4) If the peak scan value lower limit more than 20dB, then this signal data does not show in table \circ



Report No.: NEI-FICP-1-1107C030 Page 25 of 110

4.2.8 TEST RESULTS (ABOVE 1000 MHZ)

EUT:	Bluetooth stereo headset	Model Name :	H6060
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX 2402MHz – CH 00-1Mbps		

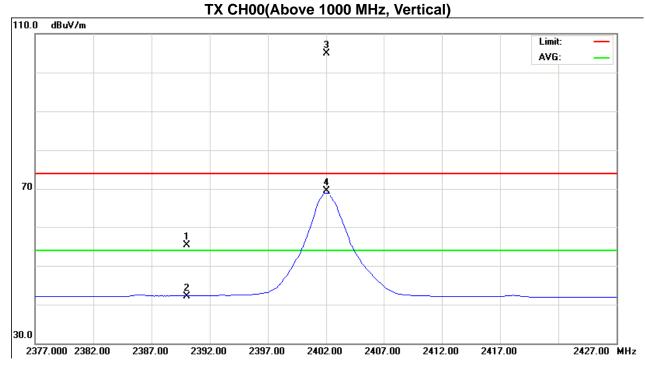
Freq.	Ant.Pol.	Rea	ding	Ant./CF	A	ct.	Lir	nit	
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2390.00	V	23.34	10.24	31.91	55.25	42.15	74.00	54.00	X/E
2402.00	٧	72.91	37.59	31.90	104.81	69.49			X/F
4803.95	V	60.67	37.92	5.21	65.88	43.13	74.00	54.00	X/H

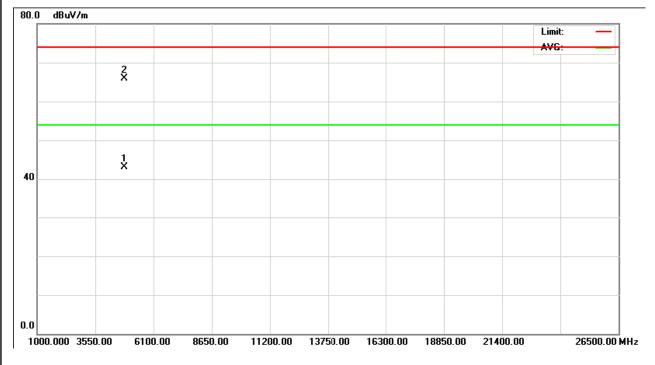
Remark:

- (1) All readings are Peak unless otherwise stated QP in column of 『Note』. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ∘
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission \circ
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
 - "X" denotes Laid on Table; "Y" denotes Vertical Stand; "Z" denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna

Report No.: NEI-FICP-1-1107C030 Page 26 of 110

Neutron Engineering Inc.= TX CH00(Above 1000





Report No.: NEI-FICP-1-1107C030 Page 27 of 110

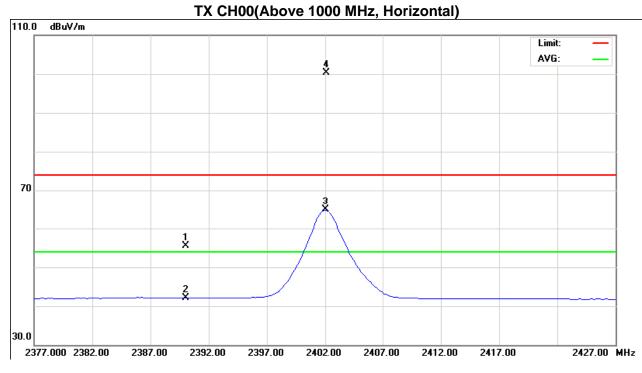
EUT:	Bluetooth stereo headset	Model Name :	H6060
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1010hPa	Test Voltage :	DC 3.7V
Test Mode :	TX 2402MHz – CH 00-1Mbps		

Freq.	Ant.Pol.	Rea	ding	Ant./CF	A	ct.	Lir	mit	
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2390.00	Н	23.67	10.10	31.91	55.58	42.01	74.00	54.00	X/E
2402.00	Н	68.32	33.01	31.90	100.22	64.91			X/F
4803.95	Н	59.29	38.48	5.21	64.50	43.69	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of \lceil Note $_{
 m J}$. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform $_{
 m O}$
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency of F' denotes fundamental frequency; "H' denotes spurious frequency. "E' denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission \circ
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
 - "X" denotes Laid on Table; "Y" denotes Vertical Stand; "Z" denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna

Report No.: NEI-FICP-1-1107C030 Page 28 of 110

Neutron Engineering Inc.





Report No.: NEI-FICP-1-1107C030 Page 29 of 110

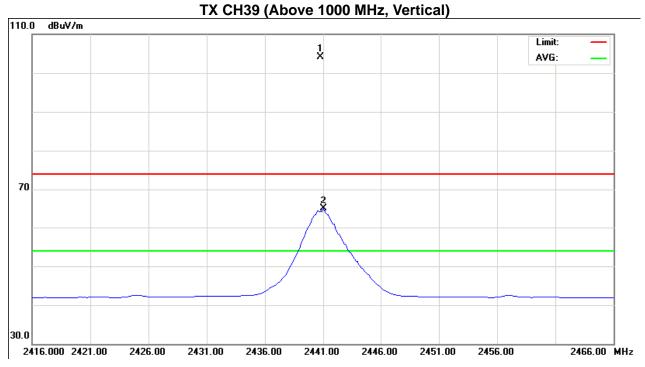
EUT:	Bluetooth stereo headset	Model Name :	H6060
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX 2441MHz –CH39-1Mbps		

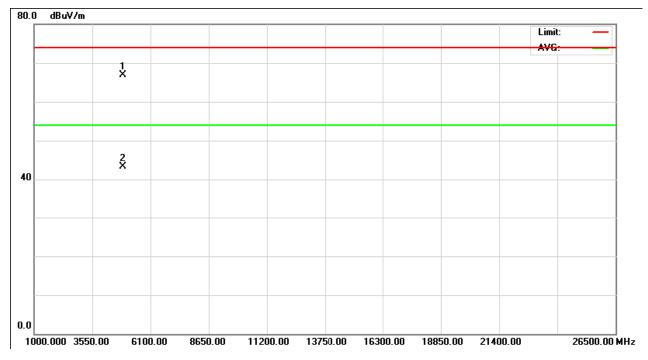
Freq.	Ant.Pol.	Read	ling	Ant/CF	A	ct.	Lir	nit	
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2440.75	٧	72.31	32.96	31.85	104.16	64.81			X/F
4881.95	V	61.47	37.82	5.50	66.97	43.32	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of 『Note』. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ∘
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency of F' denotes fundamental frequency; "H' denotes spurious frequency. "E' denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission o
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
 - "X" denotes Laid on Table; "Y" denotes Vertical Stand; "Z" denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna

Report No.: NEI-FICP-1-1107C030 Page 30 of 110

Neutron Engineering Inc.= TX CH39 (Above 1000





Report No.: NEI-FICP-1-1107C030 Page 31 of 110

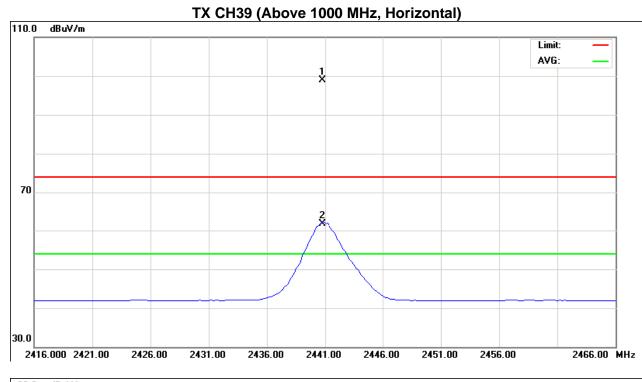
EUT:	Bluetooth stereo headset	Model Name :	H6060
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX 2441MHz –CH39-1Mbps		

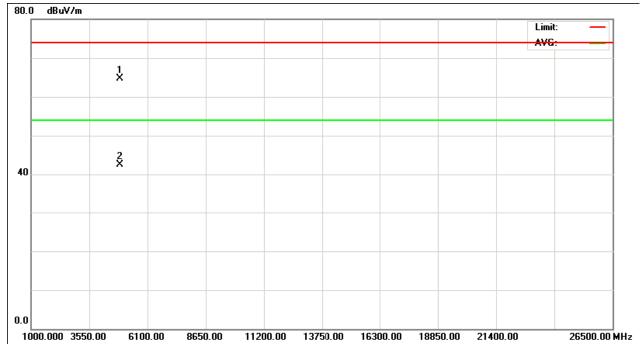
	Freq.	Ant.Pol.	Read	ling	Ant/CF	A	ct.	Lir	nit	
			Peak	AV		Peak	AV	Peak	AV	Note
	(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
	2440.75	Н	67.03	29.93	31.85	98.88	61.78			X/F
Γ	4881.91	Н	59.22	37.01	5.50	64.72	42.51	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of 『Note』. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ∘
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission o
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
 - "X" denotes Laid on Table; "Y" denotes Vertical Stand; "Z" denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna

Report No.: NEI-FICP-1-1107C030 Page 32 of 110

Neutron Engineering Inc.—





Report No.: NEI-FICP-1-1107C030 Page 33 of 110

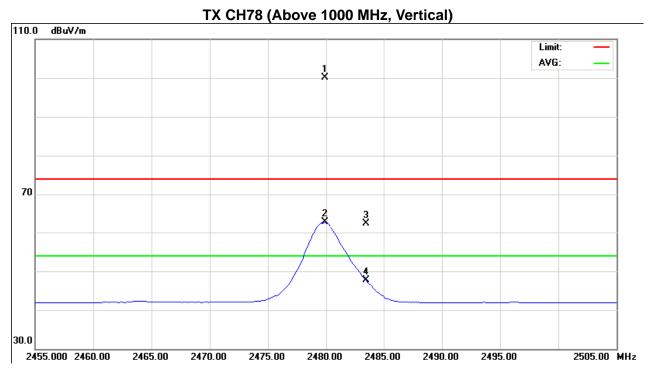
EUT:	Bluetooth stereo headset	Model Name :	H6060
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1010hPa	Test Voltage :	DC 3.7V
Test Mode :	TX 2480MHz -CH78-1Mbps		

Freq.	Ant.Pol.	Rea	ding	Ant./CF	A	ct.	Lir	nit	
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2479.88	V	68.38	30.85	31.80	100.18	62.65			X/F
2483.50	V	30.42	15.90	31.80	62.22	47.70	74.00	54.00	X/E
4959.96	V	56.49	35.02	5.78	62.27	40.80	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of ${}^{\mathbb{F}}$ Note ${}_{\mathbb{J}}$. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ${}^{\circ}$
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission o
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
 - "X" denotes Laid on Table; "Y" denotes Vertical Stand; "Z" denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna

Report No.: NEI-FICP-1-1107C030 Page 34 of 110

Neutron Engineering Inc.





Report No.: NEI-FICP-1-1107C030 Page 35 of 110

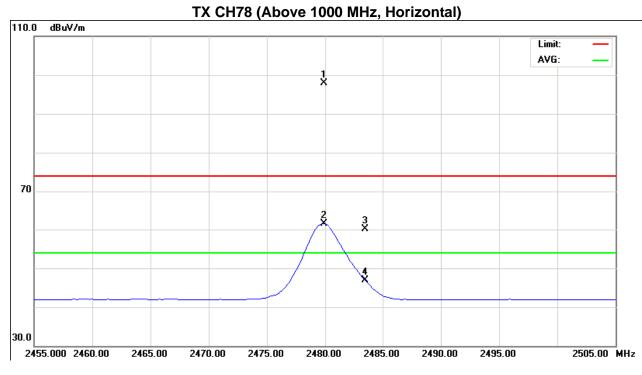
EUT:	Bluetooth stereo headset	Model Name :	H6060
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX 2480MHz -CH78-1Mbps		

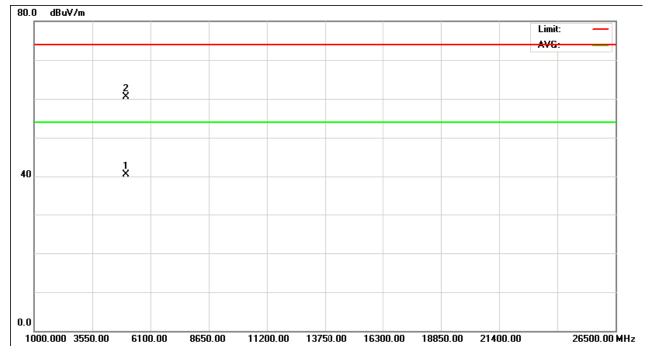
Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2479.88	Н	66.02	29.67	31.80	97.82	61.47			X/F
2483.50	Н	28.24	15.11	31.80	60.04	46.91	74.00	54.00	X/E
4959.94	Н	54.66	34.71	5.78	60.44	40.49	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of ${}^{\mathbb{F}}$ Note ${}_{\mathbb{J}}$. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ${}_{\circ}$
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission o
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
 - "X" denotes Laid on Table; "Y" denotes Vertical Stand; "Z" denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna

Report No.: NEI-FICP-1-1107C030 Page 36 of 110

Neutron Engineering Inc.—





Report No.: NEI-FICP-1-1107C030 Page 37 of 110

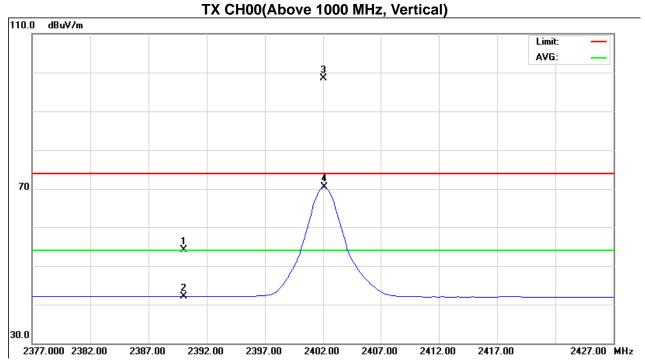
EUT:	Bluetooth stereo headset	Model Name :	H6060
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX 2402MHz – CH 00-3Mbps		

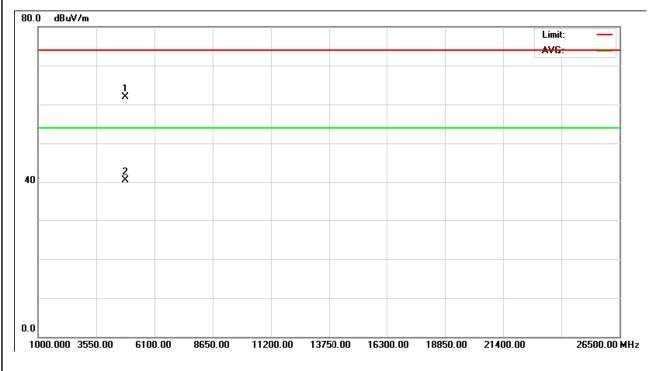
Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2390.00	V	22.11	10.15	31.91	54.02	42.06	74.00	54.00	X/E
2402.00	V	66.60	38.58	31.90	98.50	70.48			X/F
4803.99	V	56.71	35.29	5.21	61.92	40.50	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of \lceil Note $_{
 m J}$. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform $_{
 m O}$
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency of F' denotes fundamental frequency; "H' denotes spurious frequency. "E' denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission •
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
 - "X" denotes Laid on Table; "Y" denotes Vertical Stand; "Z" denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna

Report No.: NEI-FICP-1-1107C030 Page 38 of 110

Neutron Engineering Inc.= TX CH00(Above 1000





Report No.: NEI-FICP-1-1107C030 Page 39 of 110

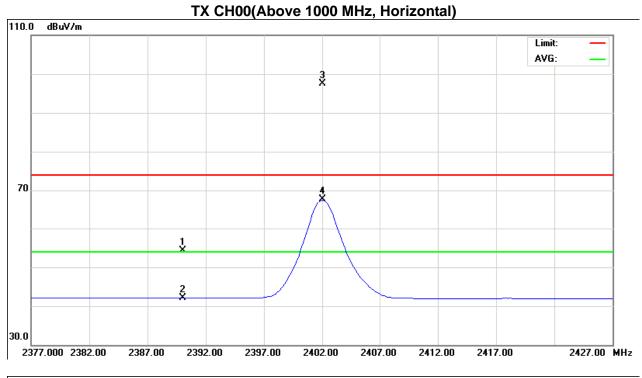
EUT:	Bluetooth stereo headset	Model Name :	H6060
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1010hPa	Test Voltage :	DC 3.7V
Test Mode :	TX 2402MHz – CH 00-3Mbps		

Freq.	Ant.Pol.	Reading		Ant./CF	A	Act.		Limit	
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2390.00	Н	22.39	10.15	31.91	54.30	42.06	74.00	54.00	X/E
2402.00	Н	65.56	35.86	31.90	97.46	67.76			X/F
4803.99	Н	54.86	34.96	5.21	60.07	40.17	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of ${}^{\mathbb{F}}$ Note $_{\mathbb{J}}$. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform \circ
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission o
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
 - "X" denotes Laid on Table; "Y" denotes Vertical Stand; "Z" denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna

Report No.: NEI-FICP-1-1107C030 Page 40 of 110

Neutron Engineering Inc.—





Report No.: NEI-FICP-1-1107C030 Page 41 of 110

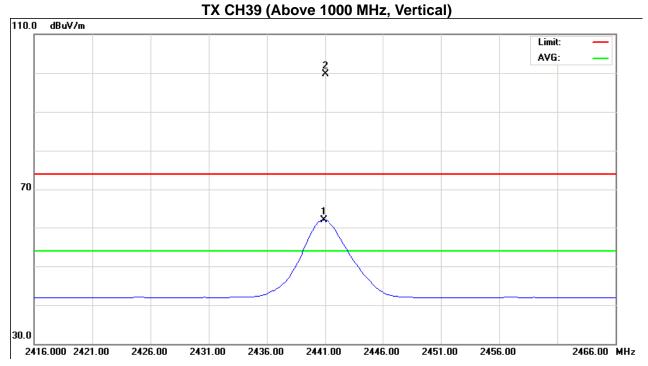
EUT:	Bluetooth stereo headset	Model Name :	H6060
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX 2441MHz –CH39-3Mbps		

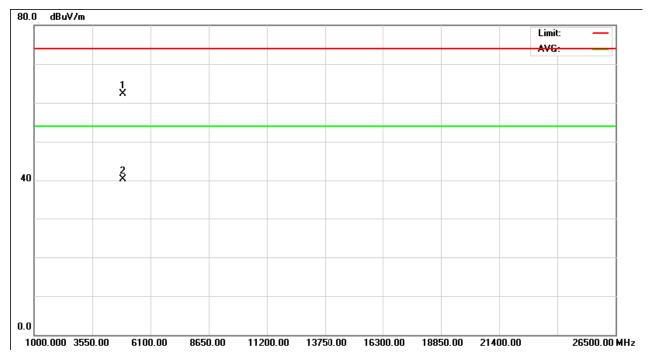
Freq.	Ant.Pol.	Reading		Ant/CF	Act.		Lir		
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2441.00	٧	67.79	30.10	31.85	99.64	61.95			X/F
4881.91	V	56.71	34.77	5.50	62.21	40.27	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of \lceil Note $_{
 m J}$. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform $_{
 m O}$
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission \circ
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
 - "X" denotes Laid on Table; "Y" denotes Vertical Stand; "Z" denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna

Report No.: NEI-FICP-1-1107C030 Page 42 of 110

Neutron Engineering Inc.= TX CH39 (Above 1000





Report No.: NEI-FICP-1-1107C030 Page 43 of 110

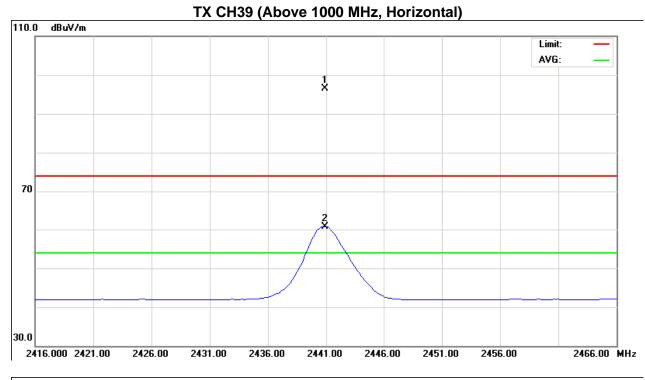
EUT:	Bluetooth stereo headset	Model Name :	H6060
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX 2441MHz -CH39-3Mbps		

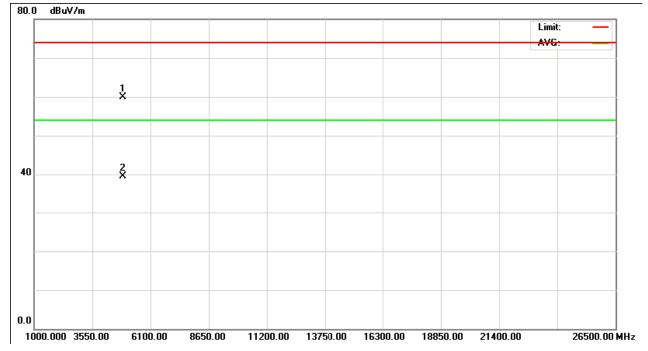
Freq.	Ant.Pol.	Reading		Ant/CF	Act.		Lir		
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2440.88	Н	64.71	28.93	31.85	96.56	60.78			X/F
4881.94	Н	54.42	33.94	5.50	59.92	39.44	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of ${}^{\mathbb{F}}$ Note $_{\mathbb{J}}$. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform \circ
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission •
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
 - "X" denotes Laid on Table; "Y" denotes Vertical Stand; "Z" denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna

Report No.: NEI-FICP-1-1107C030 Page 44 of 110

Neutron Engineering Inc.—





Report No.: NEI-FICP-1-1107C030 Page 45 of 110

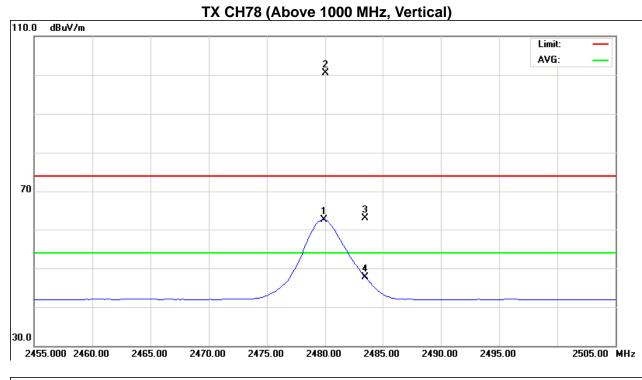
EUT:	Bluetooth stereo headset	Model Name :	H6060
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1010hPa	Test Voltage :	DC 3.7V
Test Mode :	TX 2480MHz -CH78-3Mbps		

Freq.	Ant.Pol.	Reading		Ant./CF	A	Act.		Limit		
		Peak	ΑV		Peak	AV	Peak	AV	Note	
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)		
2480.00	V	68.61	30.63	31.80	100.41	62.43			X/F	
2483.50	V	31.15	15.91	31.80	62.95	47.71	74.00	54.00	X/E	
4959.88	V	54.78	33.05	5.78	60.56	38.83	74.00	54.00	X/H	

- (1) All readings are Peak unless otherwise stated QP in column of \lceil Note $_{
 m J}$. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform $_{
 m O}$
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency of F' denotes fundamental frequency; "H' denotes spurious frequency. "E' denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ∘
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
 - "X" denotes Laid on Table; "Y" denotes Vertical Stand; "Z" denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna

Report No.: NEI-FICP-1-1107C030 Page 46 of 110

Neutron Engineering Inc.—





Report No.: NEI-FICP-1-1107C030 Page 47 of 110

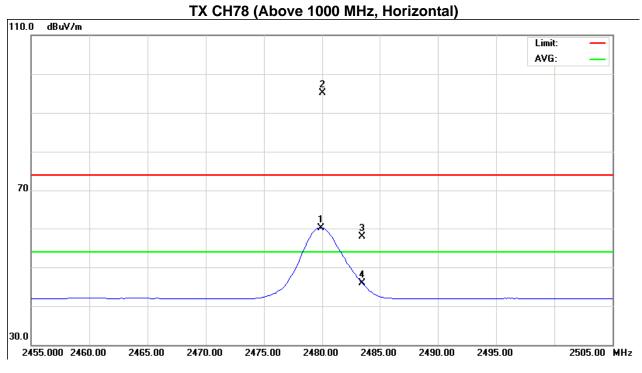
EUT:	Bluetooth stereo headset	Model Name :	H6060
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX 2480MHz -CH78-3Mbps		

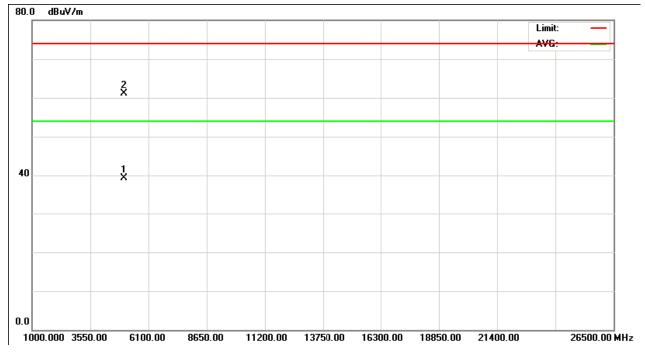
Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Lir		
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
2480.00	Н	63.33	28.33	31.80	95.13	60.13			X/F
2483.50	Н	26.03	14.17	31.80	57.83	45.97	74.00	54.00	X/E
4959.90	Н	55.35	33.48	5.78	61.13	39.26	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of ${}^{\mathbb{F}}$ Note ${}_{\mathbb{F}}$. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ${}^{\circ}$
- (2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission o
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
 - "X" denotes Laid on Table; "Y" denotes Vertical Stand; "Z" denotes Side Stand
- (7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna

Report No.: NEI-FICP-1-1107C030 Page 48 of 110

Neutron Engineering Inc.—





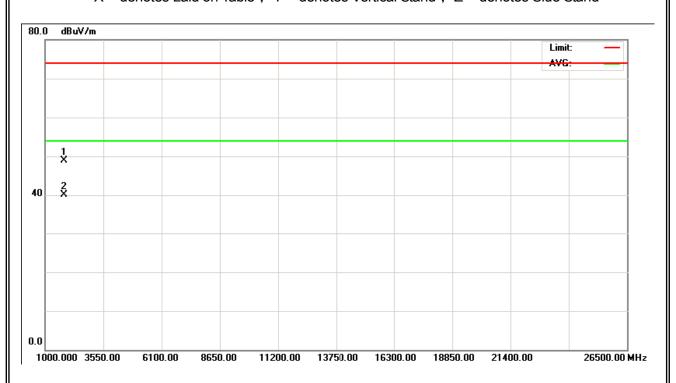
Report No.: NEI-FICP-1-1107C030 Page 49 of 110

EUT:	Bluetooth stereo headset	Model Name :	H6060
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	RX Mode 2402MHz - 1Mbps		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
1824.36	V	51.72	42.97	-2.84	48.88	40.13	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of \lceil Note $_{
 m J}$. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform $_{
 m O}$
- (2) Measuring frequency range from 1000MHz to 6000MHz or the 10th harmonic of highest fundamental frequency of F' denotes fundamental frequency; "H' denotes spurious frequency. "E' denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission \circ
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:

"X" - denotes Laid on Table; "Y" - denotes Vertical Stand; "Z" - denotes Side Stand

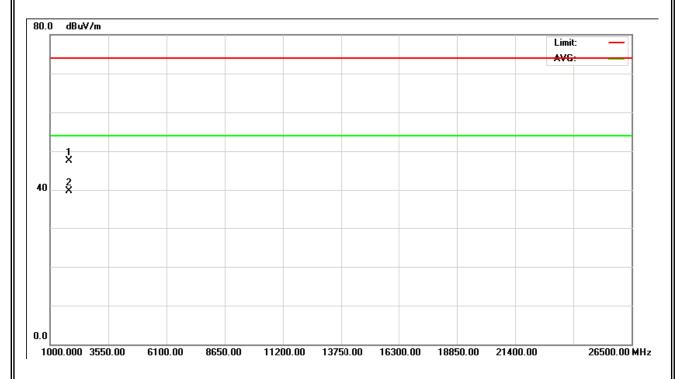


Report No.: NEI-FICP-1-1107C030 Page 50 of 110

EUT:	Bluetooth stereo headset	Model Name :	H6060
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	RX Mode 2402MHz - 1Mbps		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
1823.25	Н	50.36	42.55	-2.86	47.50	39.69	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of 『Note』. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ∘
- (2) Measuring frequency range from 1000MHz to 6000MHz or the 10th harmonic of highest fundamental frequency "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission •
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
 - "X" denotes Laid on Table; "Y" denotes Vertical Stand; "Z" denotes Side Stand

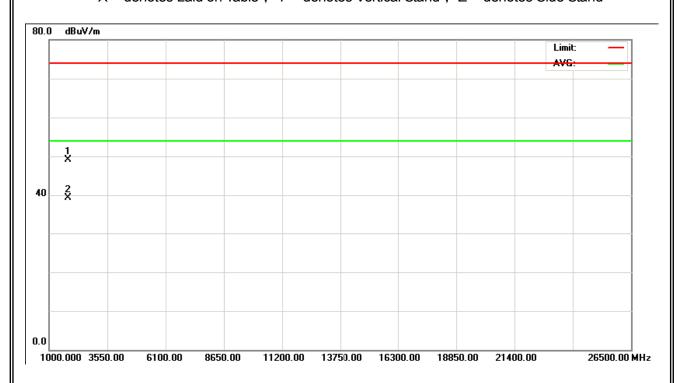


Report No.: NEI-FICP-1-1107C030

EUT:	Bluetooth stereo headset	Model Name :	H6060
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	RX Mode 2441MHz - 1Mbps		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
1783.25	V	52.34	42.62	-3.30	49.04	39.32	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of ${}^{\mathbb{F}}$ Note ${}_{\mathbb{J}}$. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ${}^{\circ}$
- (2) Measuring frequency range from 1000MHz to 6000MHz or the 10th harmonic of highest fundamental frequency of F' denotes fundamental frequency; "H' denotes spurious frequency. "E' denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission \circ
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
 - "X" denotes Laid on Table; "Y" denotes Vertical Stand; "Z" denotes Side Stand

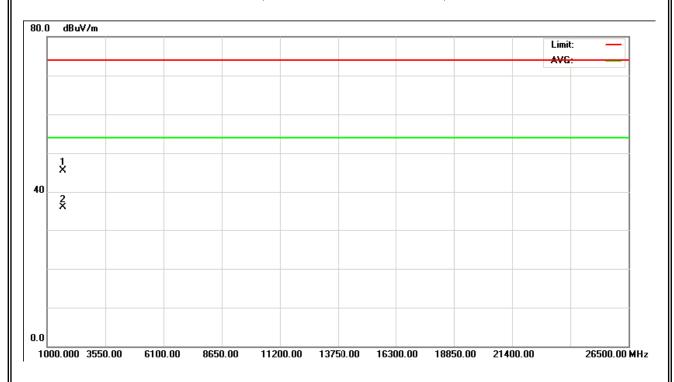


Report No.: NEI-FICP-1-1107C030 Page 52 of 110

EUT:	Bluetooth stereo headset	Model Name :	H6060
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	RX Mode 2441MHz - 1Mbps		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
1685.24	Н	49.95	40.19	-4.38	45.57	35.81	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of \lceil Note $_{
 m J}$. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform $_{
 m O}$
- (2) Measuring frequency range from 1000MHz to 6000MHz or the 10th harmonic of highest fundamental frequency of F' denotes fundamental frequency; "H' denotes spurious frequency. "E' denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission \circ
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
 - "X" denotes Laid on Table; "Y" denotes Vertical Stand; "Z" denotes Side Stand



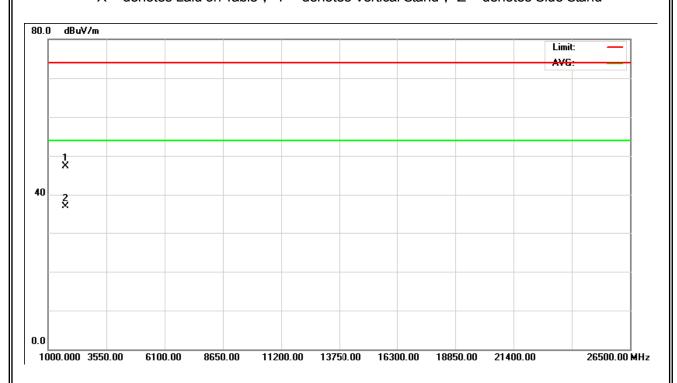
Report No.: NEI-FICP-1-1107C030

Page 53 of 110

EUT:	Bluetooth stereo headset	Model Name :	H6060
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	RX Mode 2480MHz - 1Mbps		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
1736.26	V	51.09	40.64	-3.82	47.27	36.82	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of \lceil Note $_{
 m J}$. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform $_{
 m O}$
- (2) Measuring frequency range from 1000MHz to 6000MHz or the 10th harmonic of highest fundamental frequency "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ∘
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
 - "X" denotes Laid on Table; "Y" denotes Vertical Stand; "Z" denotes Side Stand

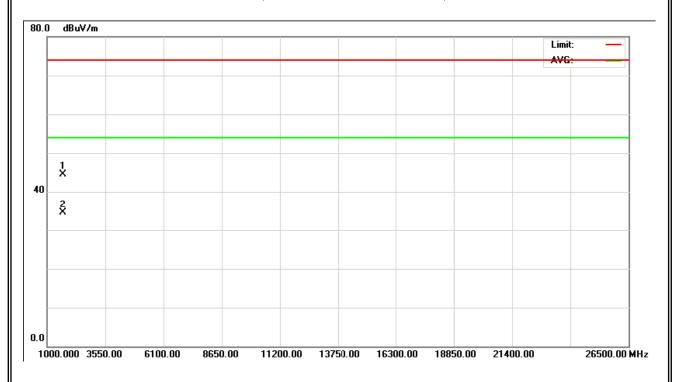


Report No.: NEI-FICP-1-1107C030 Page 54 of 110

EUT:	Bluetooth stereo headset	Model Name :	H6060
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	RX Mode 2480MHz -1Mbps		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
1651.13	Н	49.19	39.24	-4.75	44.44	34.49	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of \lceil Note $_{
 m J}$. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform $_{
 m O}$
- (2) Measuring frequency range from 1000MHz to 6000MHz or the 10th harmonic of highest fundamental frequency "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission \circ
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
 - "X" denotes Laid on Table; "Y" denotes Vertical Stand; "Z" denotes Side Stand

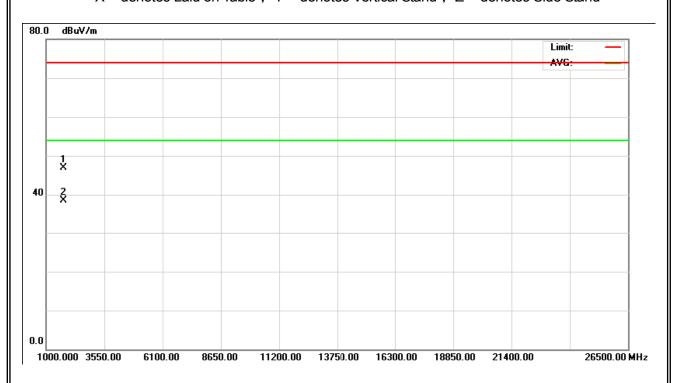


Report No.: NEI-FICP-1-1107C030

EUT:	Bluetooth stereo headset	Model Name :	H6060
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	RX Mode 2402MHz - 3Mbps		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
1733.27	V	50.71	42.35	-3.85	46.86	38.50	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of \lceil Note $_{
 m J}$. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform $_{
 m O}$
- (2) Measuring frequency range from 1000MHz to 6000MHz or the 10th harmonic of highest fundamental frequency "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission •
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
 - "X" denotes Laid on Table; "Y" denotes Vertical Stand; "Z" denotes Side Stand

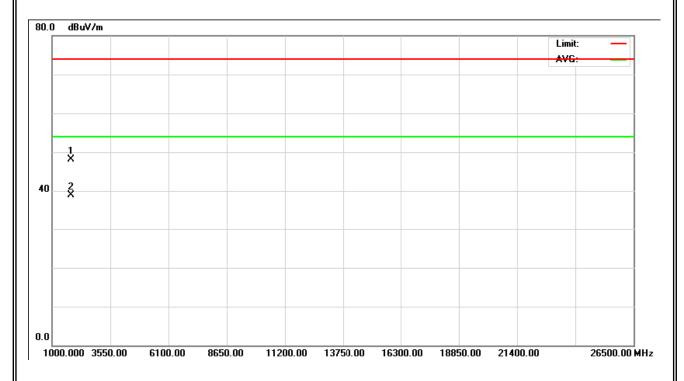


Report No.: NEI-FICP-1-1107C030 Page 56 of 110

EUT:	Bluetooth stereo headset	Model Name :	H6060
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	RX Mode 2402MHz - 3Mbps		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		
		Peak	ΑV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
1791.38	Н	51.34	42.20	-3.20	48.14	39.00	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of 『Note』. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform ∘
- (2) Measuring frequency range from 1000MHz to 6000MHz or the 10th harmonic of highest fundamental frequency "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission •
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
 - "X" denotes Laid on Table; "Y" denotes Vertical Stand; "Z" denotes Side Stand

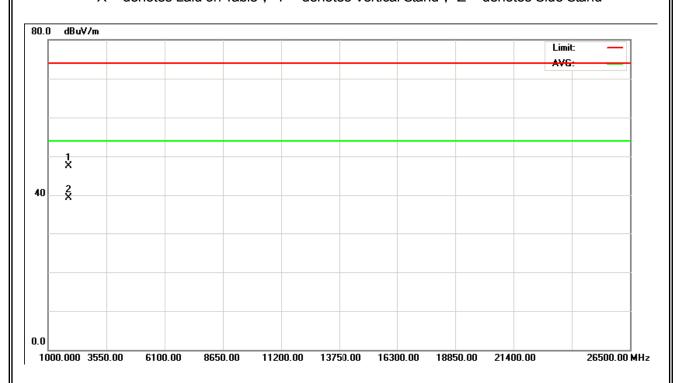


Report No.: NEI-FICP-1-1107C030

EUT:	Bluetooth stereo headset	Model Name :	H6060
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	RX Mode 2441MHz -3Mbps		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
1836.53	V	50.24	41.97	-2.72	47.52	39.25	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of \lceil Note $_{
 m J}$. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform $_{
 m O}$
- (2) Measuring frequency range from 1000MHz to 6000MHz or the 10th harmonic of highest fundamental frequency of F' denotes fundamental frequency; "H' denotes spurious frequency. "E' denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission \circ
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
 - "X" denotes Laid on Table; "Y" denotes Vertical Stand; "Z" denotes Side Stand



Report No.: NEI-FICP-1-1107C030 Page 58 of 110

EUT:	Bluetooth stereo headset	Model Name :	H6060
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	RX Mode 2441MHz - 3Mbps		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		
		Peak	AV	•	Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
1826.41	Н	50.84	42.35	-2.82	48.02	39.53	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of \lceil Note $_{
 m J}$. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform $_{
 m O}$
- (2) Measuring frequency range from 1000MHz to 6000MHz or the 10th harmonic of highest fundamental frequency "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission \circ
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
 - "X" denotes Laid on Table; "Y" denotes Vertical Stand; "Z" denotes Side Stand

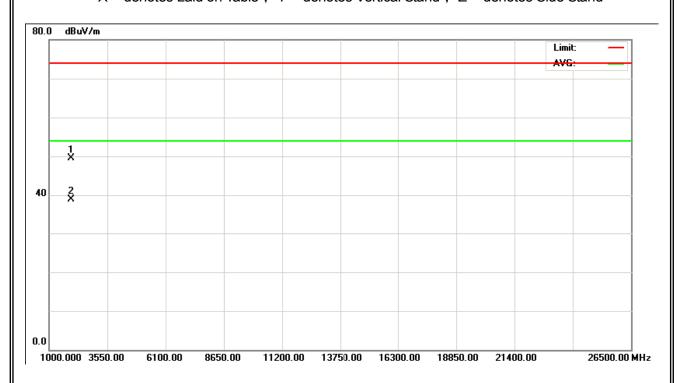


Report No.: NEI-FICP-1-1107C030

EUT:	Bluetooth stereo headset	Model Name :	H6060
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	RX Mode 2480MHz - 3Mbps		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		
		Peak	AV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
1952.75	V	50.91	40.24	-1.43	49.48	38.81	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of \lceil Note $_{
 m J}$. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform $_{
 m O}$
- (2) Measuring frequency range from 1000MHz to 6000MHz or the 10th harmonic of highest fundamental frequency of F' denotes fundamental frequency; "H' denotes spurious frequency. "E' denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission \circ
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
 - "X" denotes Laid on Table; "Y" denotes Vertical Stand; "Z" denotes Side Stand

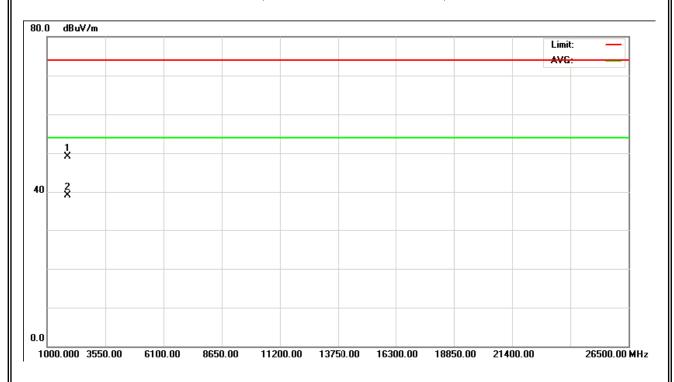


Report No.: NEI-FICP-1-1107C030 Page 60 of 110

EUT:	Bluetooth stereo headset	Model Name :	H6060
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	RX Mode 2480MHz - 3Mbps		

Freq.	Ant.Pol.	Reading		Ant./CF	Act.		Limit		
		Peak	ΑV		Peak	AV	Peak	AV	Note
(MHz)	H/V	(dBuV)	(dBuV)	CF(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	
1837.46	Н	51.83	41.76	-2.70	49.13	39.06	74.00	54.00	X/H

- (1) All readings are Peak unless otherwise stated QP in column of \lceil Note $_{
 m J}$. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform $_{
 m O}$
- (2) Measuring frequency range from 1000MHz to 6000MHz or the 10th harmonic of highest fundamental frequency "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission \circ
- (4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axis:
 - "X" denotes Laid on Table; "Y" denotes Vertical Stand; "Z" denotes Side Stand



Page 61 of 110

Report No.: NEI-FICP-1-1107C030

5. NUMBER OF HOPPING CHANNEL

5.1 APPLIED PROCEDURES / LIMIT

	FCC Part15 (15.247) , Subpart C				
Section	Test Item	Frequency Range (MHz)	Result		
15.247 (a)(1)(iii)	Number of Hopping Channel	2400-2483.5	PASS		

5.1.1 MEASUREMENT INSTRUMENTS LIST AND SETTING

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov.26.2011

Remark: "N/A" denotes No Model Name, Serial No. or No Calibration specified.

Spectrum Parameters	Setting
Attenuation	Auto
Span Frequency > Operating Frequency Range	
RB	100 kHz
VB	100 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

5.1.2 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- b. Spectrum Setting: RBW= 100KHz, VBW=100KHz, Sweep time = Auto.

5.1.3 DEVIATION FROM STANDARD

No deviation.

5.1.4 TEST SETUP

EUT	SPECTRUM
	ANALYZER

5.1.5 EUT OPERATION CONDITIONS

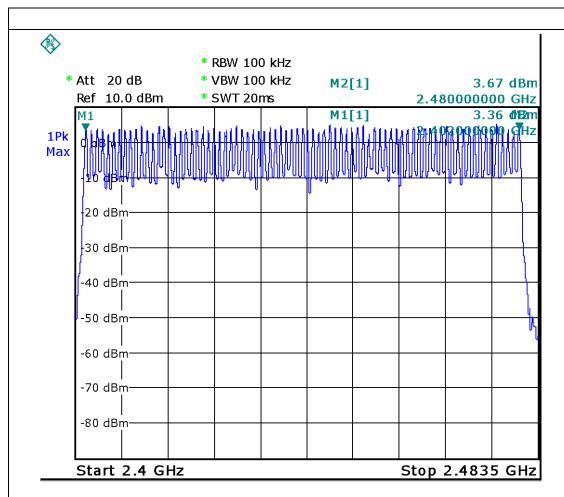
The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.

Report No.: NEI-FICP-1-1107C030 Page 62 of 110

5.1.6 TEST RESULTS

EUT:	Bluetooth stereo headset	Model Name :	H6060
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1009 hPa	Test Voltage :	DC 3.7V
Test Mode :	Hopping Mode -1Mbps		

Number of Hopping Channel	79



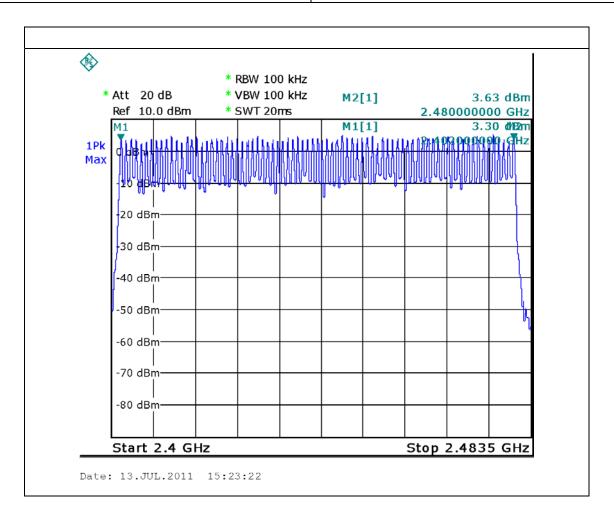
Date: 13.JUL.2011 15:03:24

Report No.: NEI-FICP-1-1107C030 Page 63 of 110



EUT:	Bluetooth stereo headset	Model Name :	H6060
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1009 hPa	Test Voltage :	DC 3.7V
Test Mode :	Hopping Mode -3Mbps		

Number of Hopping Channel	79



Report No.: NEI-FICP-1-1107C030 Page 64 of 110

6. AVERAGE TIME OF OCCUPANCY

6.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C					
Section Test Item Limit Frequency Range (MHz) Result					
15.247 (a)(1)(iii)	Average Time of Occupancy	0.4sec	2400-2483.5	PASS	

6.1.1 MEASUREMENT INSTRUMENTS LIST

It	em	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
	1	Spectrum Analyzer	R&S	FSP 40	100185	Nov.26.2011

Remark: "N/A" denotes No Model Name, Serial No. or No Calibration specified.

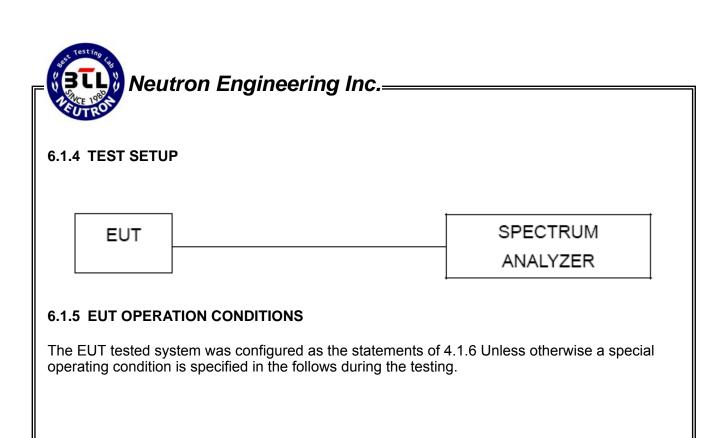
6.1.2 TEST PROCEDURE

- a. The transmitter output (antenna port) was connected to the spectrum analyzer
- b Set RBW of spectrum analyzer to 1MHz and VBW to 1MHz.
- C. Use a video trigger with the trigger level set to enable triggering only on full pulses.
- d. Sweep Time is more than once pulse time.
- e. Set the center frequency on any frequency would be measure and set the frequency span to zero span.
- f. Measure the maximum time duration of one single pulse.
- g. Set the EUT for DH5, DH3 and DH1 packet transmitting.
- h. Measure the maximum time duration of one single pulse.
- i. DH5 Packet permit maximum 1600/ 79 / 6 = 3.37 hops per second in each channel (5 time slots RX, 1 time slot TX). So, the dwell time is the time duration of the pulse times 3.37 x 31.6 = 106.6 within 31.6 seconds.
- j. DH3 Packet permit maximum 1600 / 79 / 4 = 5.06 hops per second in each channel (3 time slots RX, 1 time slot TX). So, the dwell time is the time duration of the pulse times 5.06 x 31.6 = 160 within 31.6 seconds.
- k. DH1 Packet permit maximum 1600 / 79 /2 = 10.12 hops per second in each channel (1 time slot RX, 1 time slot TX). So, the dwell time is the time duration of the pulse times 10.12 x 31.6 = 320 within 31.6 seconds.

6.1.3 DEVIATION FROM STANDARD

No deviation.

Report No.: NEI-FICP-1-1107C030 Page 65 of 110

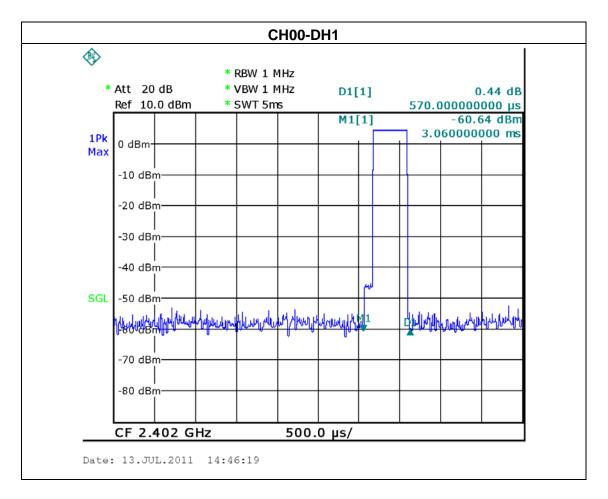


Report No.: NEI-FICP-1-1107C030 Page 66 of 110

6.1.6 TEST RESULTS

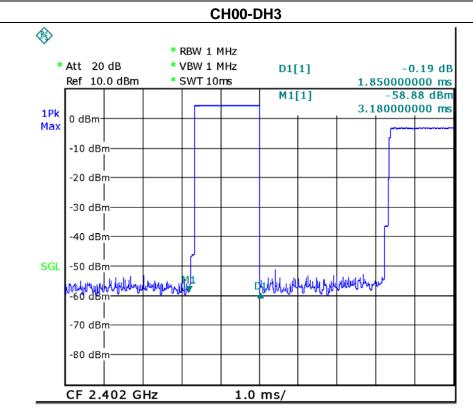
EUT:	Bluetooth stereo headset	Model Name :	H6060
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1009 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH00-DH1/DH3/DH5 -1Mbps		

Data Packet	Frequency	Pulse Duration (ms)	Dwell Time (s)	Limits (s)
DH5	2402 MHz	3.1700	0.3381	0.4000
DH3	2402 MHz	1.8500	0.2960	0.4000
DH1	2402 MHz	0.5700	0.1824	0.4000



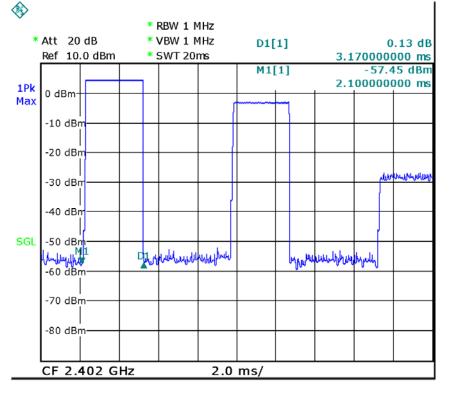
Report No.: NEI-FICP-1-1107C030 Page 67 of 110

Neutron Engineering Inc.



Date: 13.JUL.2011 14:55:42

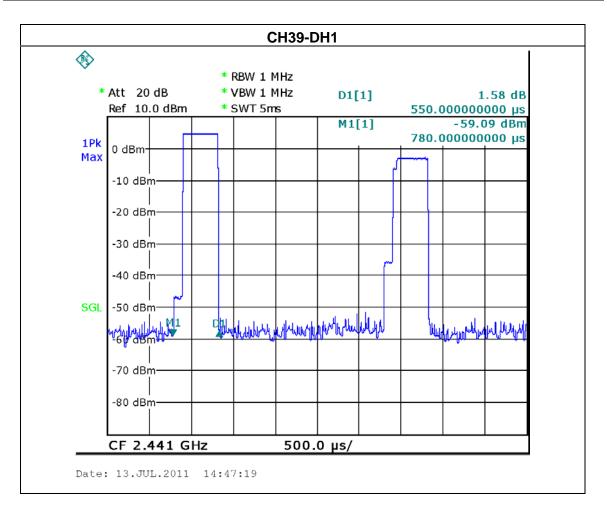
CH00-DH5



Date: 13.JUL.2011 14:56:44

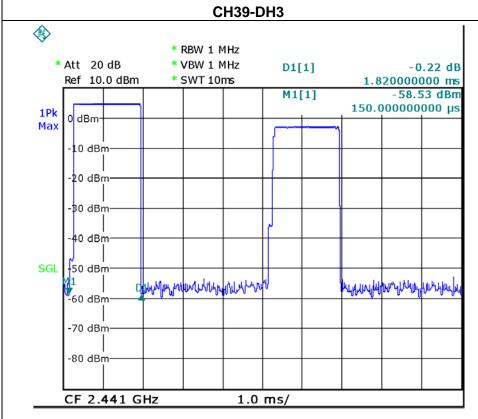
EUT:	Bluetooth stereo headset	Model Name :	H6060
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1009 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH39 -DH1/DH3/DH5 -1Mbps		

Data Packet	Frequency	Pulse Duration (ms)	Dwell Time (s)	Limits (s)
DH5	2441 MHz	3.1300	0.3339	0.4000
DH3	2441 MHz	1.8200	0.2912	0.4000
DH1	2441 MHz	0.5500	0.1760	0.4000

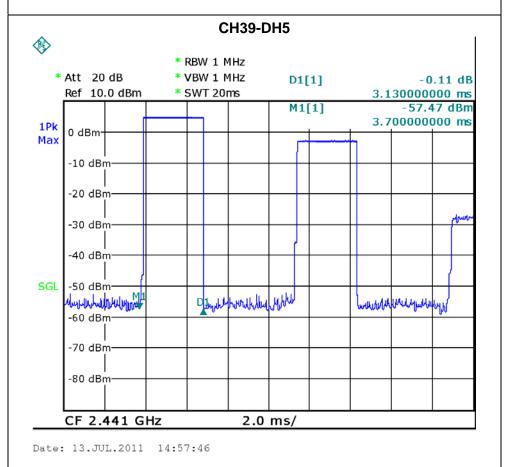


Report No.: NEI-FICP-1-1107C030 Page 69 of 110

Neutron Engineering Inc.

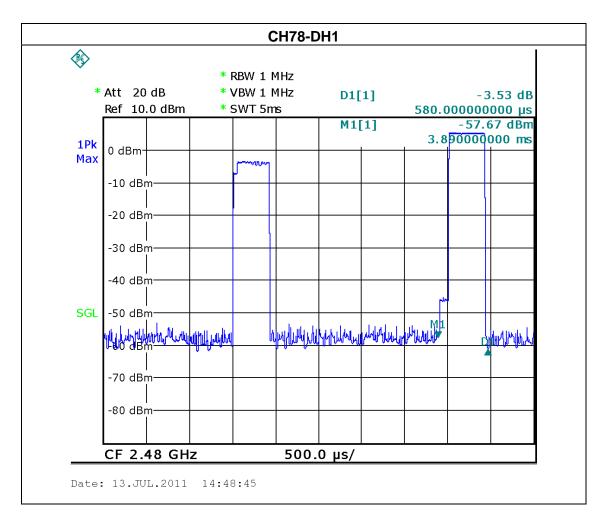


Date: 13.JUL.2011 14:54:28



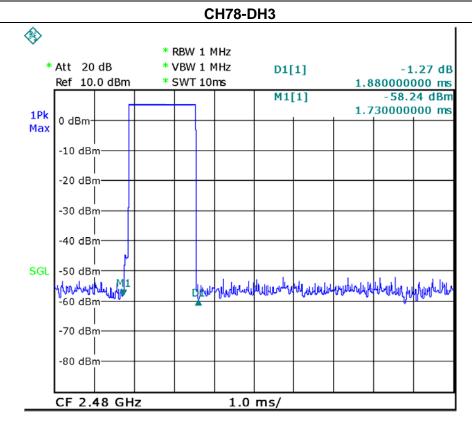
EUT:	Bluetooth stereo headset	Model Name :	H6060
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1009 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH78 -DH1/DH3/DH5-1Mbps		

Data Packet	Frequency	Pulse Duration (ms)	Dwell Time (s)	Limits (s)
DH5	2480 MHz	3.1300	0.3339	0.4000
DH3	2480 MHz	1.8800	0.3008	0.4000
DH1	2480 MHz	0.5800	0.1856	0.4000



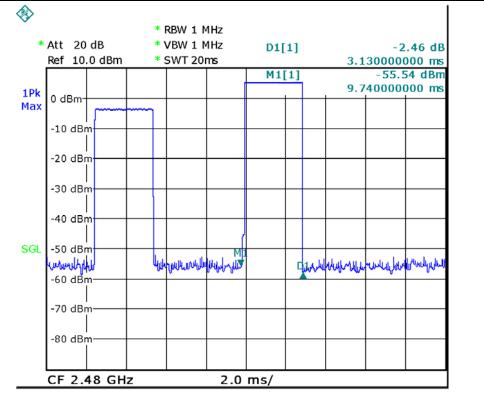
Report No.: NEI-FICP-1-1107C030 Page 71 of 110

Neutron Engineering Inc.



Date: 13.JUL.2011 14:53:18

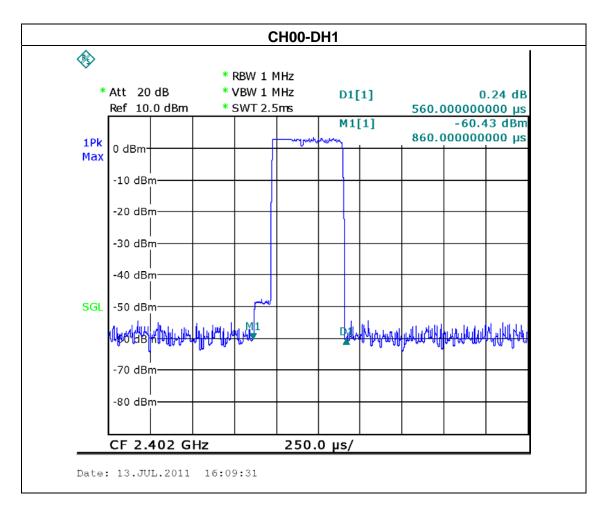
CH78-DH5



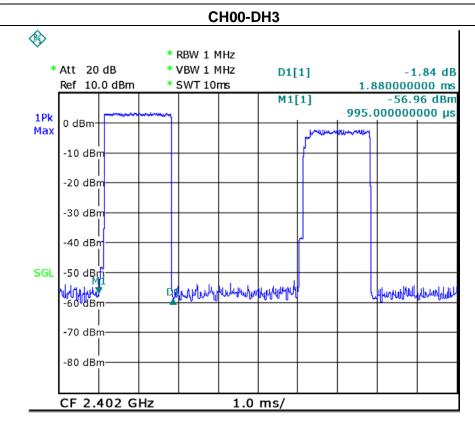
Date: 13.JUL.2011 14:59:23

EUT:	Bluetooth stereo headset	Model Name :	H6060
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1009 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH00-DH1/DH3/DH5 -3Mbps		

Data Packet	Frequency	Pulse Duration (ms)	Dwell Time (s)	Limits (s)
DH5	2402 MHz	3.2400	0.3456	0.4000
DH3	2402 MHz	1.8800	0.3008	0.4000
DH1	2402 MHz	0.5600	0.1792	0.4000

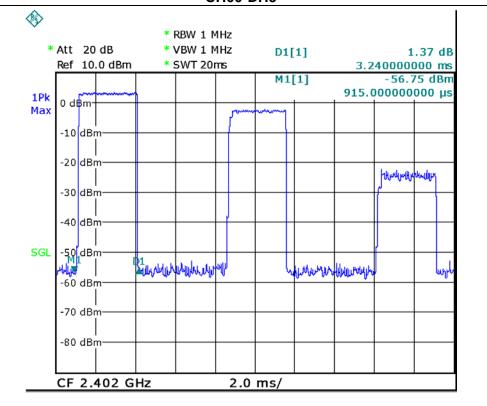


Report No.: NEI-FICP-1-1107C030 Page 73 of 110



Date: 13.JUL.2011 16:01:02

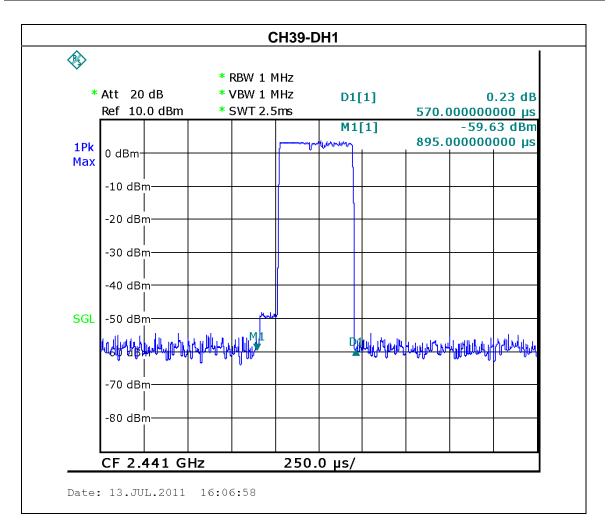
CH00-DH5



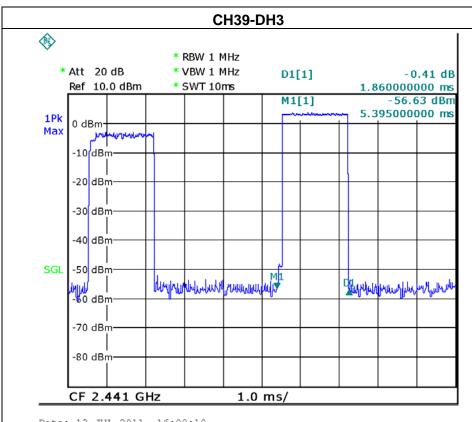
Date: 13.JUL.2011 16:01:52

EUT:	Bluetooth stereo headset	Model Name :	H6060
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1009 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH39 -DH1/DH3/DH5 -3Mbps		

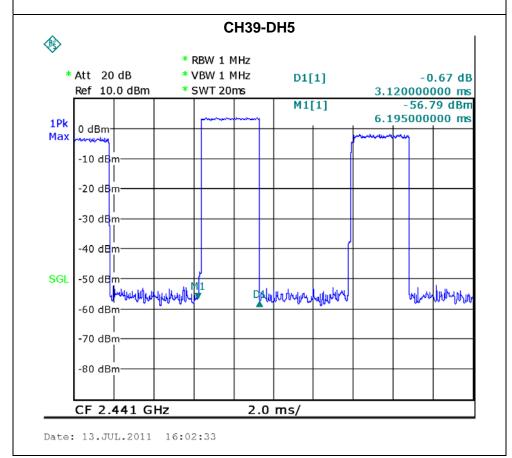
Data Packet	Frequency	Pulse Duration (ms)	Dwell Time (s)	Limits (s)
DH5	2441 MHz	3.1200	0.3328	0.4000
DH3	2441 MHz	1.8600	0.2976	0.4000
DH1	2441 MHz	0.5700	0.1824	0.4000



Report No.: NEI-FICP-1-1107C030 Page 75 of 110



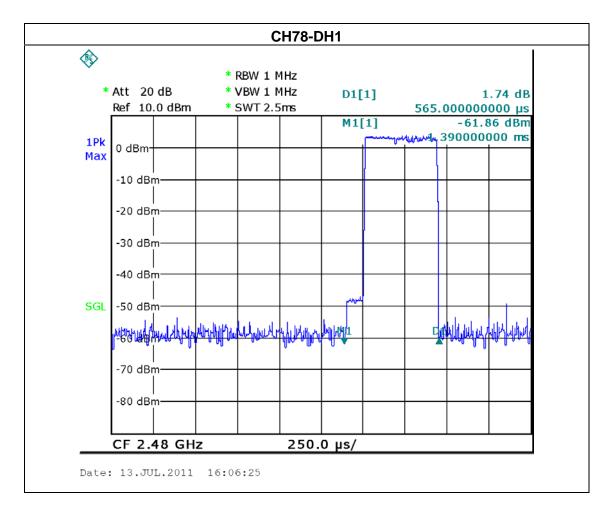
Date: 13.JUL.2011 16:00:10



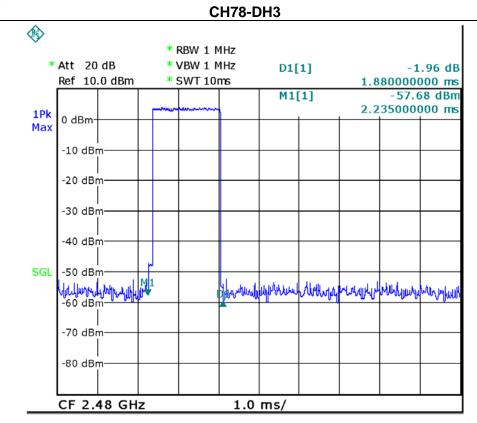
Report No.: NEI-FICP-1-1107C030 Page 76 of 110

EUT:	Bluetooth stereo headset	Model Name :	H6060
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1009 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH78 -DH1/DH3/DH5-3Mbps		

Data Packet	Frequency	Pulse Duration (ms)	Dwell Time (s)	Limits (s)
DH5	2480 MHz	3.1600	0.3371	0.4000
DH3	2480 MHz	1.8800	0.3008	0.4000
DH1	2480 MHz	0.5650	0.1808	0.4000

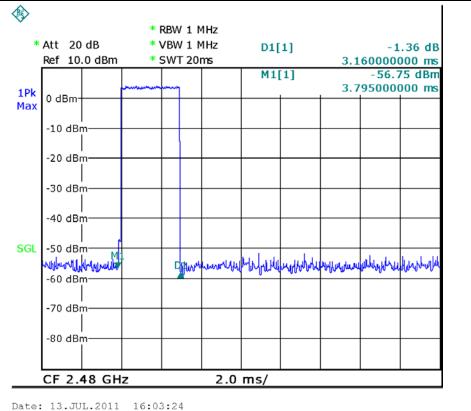


Report No.: NEI-FICP-1-1107C030 Page 77 of 110



Date: 13.JUL.2011 15:56:08

CH78-DH5



Report No.: NEI-FICP-1-1107C030

7. HOPPING CHANNEL SEPARATION MEASUREMENT

7.1 APPLIED PROCEDURES / LIMIT

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.

7.1.1 MEASUREMENT INSTRUMENTS LIST AND SETTING

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov.26.2011

Remark: "N/A" denotes No Model Name, Serial No. or No Calibration specified.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	> Measurement Bandwidth or Channel Separation
RB	30 kHz
VB	100 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

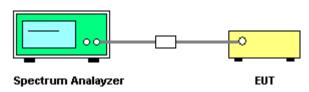
7.1.2 TEST PROCEDURE

- a. The EUT must have its hopping function enabled
- b. Span = wide enough to capture the peaks of two adjacent channels Resolution (or IF) Bandwidth (RBW) ≥ 1% of the span Video (or Average) Bandwidth (VBW) ≥ RBW Sweep = auto Detector function = peak Trace = max hold

7.1.3 DEVIATION FROM STANDARD

No deviation.

7.1.4 TEST SETUP



7.1.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in hopping mode.

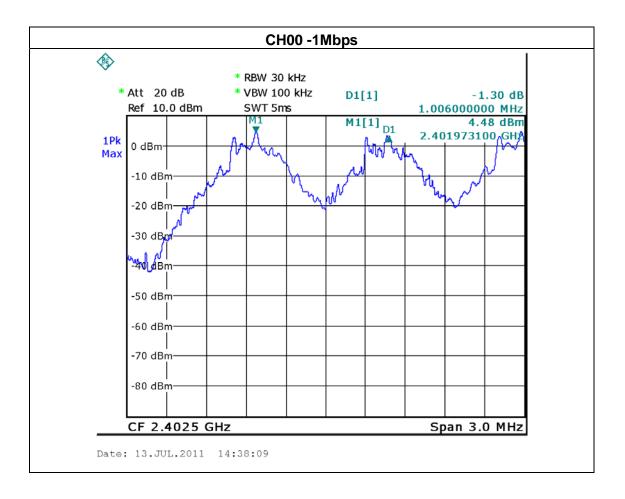
Report No.: NEI-FICP-1-1107C030 Page 79 of 110

7.1.6 TEST RESULTS

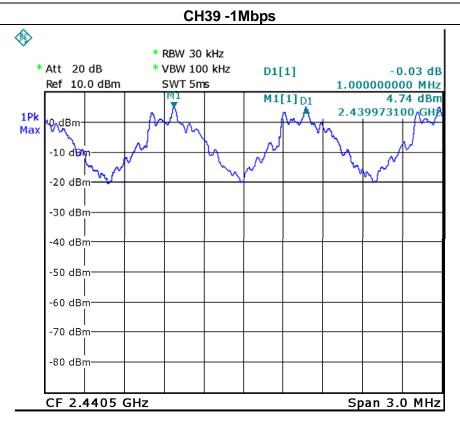
EUT:	Bluetooth stereo headset	Model Name :	H6060
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1009 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH00 / CH39 /CH78-1Mbps		

Frequency	Ch. Separation (MHz)	20dB Bandwidth (MHz)	Result
2402 MHz	1	0.834	Complies
2441 MHz	1	0.828	Complies
2480 MHz	1	0.816	Complies

Ch. Separation Limits: >20dB bandwidth or >2/3 of 20dB bandwidth



Report No.: NEI-FICP-1-1107C030 Page 80 of 110



Date: 13.JUL.2011 14:36:24

Date: 13.JUL.2011 14:39:50

CH78 -1Mbps ◈ * RBW 30 kHz * Att 20 dB * VBW 100 kHz D1[1] 0.07 dB Ref 10.0 dBm SWT 5ms 1.000000000 MHz Μl M1[1]_{D1} 4.76 dBm 2.478973100 GHz 1Pk -Q∧dBm-Max -10 d -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm CF 2.4795 GHz Span 3.0 MHz

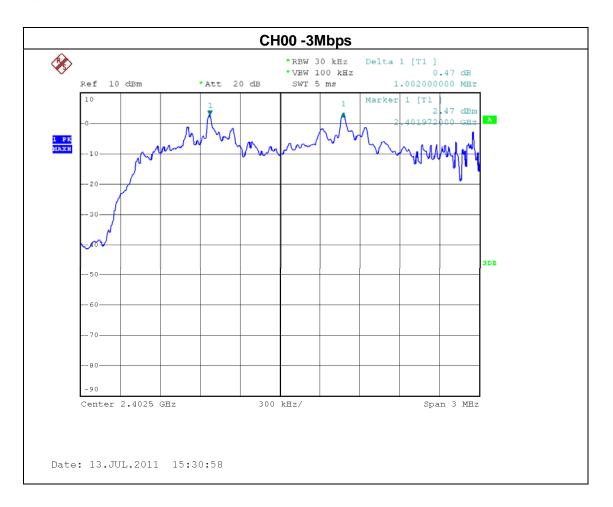
Report No.: NEI-FICP-1-1107C030

Page 81 of 110

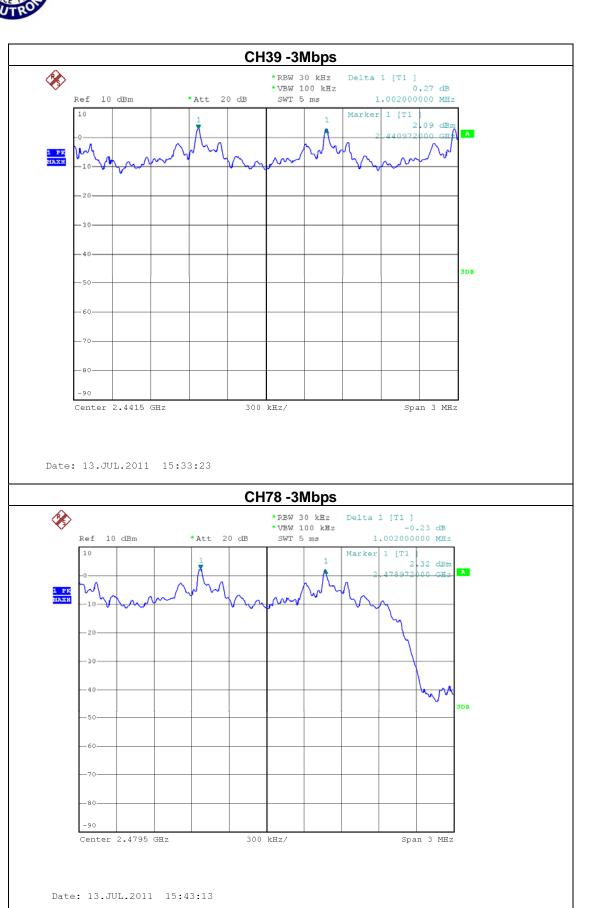
EUT:	Bluetooth stereo headset	Model Name :	H6060
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1009 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH00 / CH39 /CH78-3Mbps		

Frequency	Ch. Separation (MHz)	20dB Bandwidth (MHz)	Result
2402 MHz	1	1.198	Complies
2441 MHz	1	1.186	Complies
2480 MHz	1	1.192	Complies

Ch. Separation Limits: >20dB bandwidth or >2/3 of 20dB bandwidth



Report No.: NEI-FICP-1-1107C030 Page 82 of 110



8. BANDWIDTH TEST

8.1 APPLIED PROCEDURES / LIMIT

	FCC Part15 (15.247) , Subpart C					
Section	Test Item	Frequency Range (MHz)				
15.247 (a)(2)	Bandwidth	2400-2483.5	PASS			

8.1.1 MEASUREMENT INSTRUMENTS LIST AND SETTING

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov.26.2011

Remark: "N/A" denotes No Model Name, Serial No. or No Calibration specified.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	> Measurement Bandwidth or Channel Separation
RB	30 kHz (20dB Bandwidth) / 30 kHz (Channel Separation)
VB	100 kHz (20dB Bandwidth) / 100 kHz (Channel Separation)
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

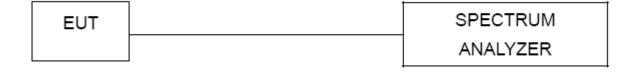
8.1.2 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- b. Spectrum Setting: RBW= 30KHz, VBW=100KHz, Sweep time = Auto.

8.1.3 DEVIATION FROM STANDARD

No deviation.

8.1.4 TEST SETUP



8.1.5 EUT OPERATION CONDITIONS

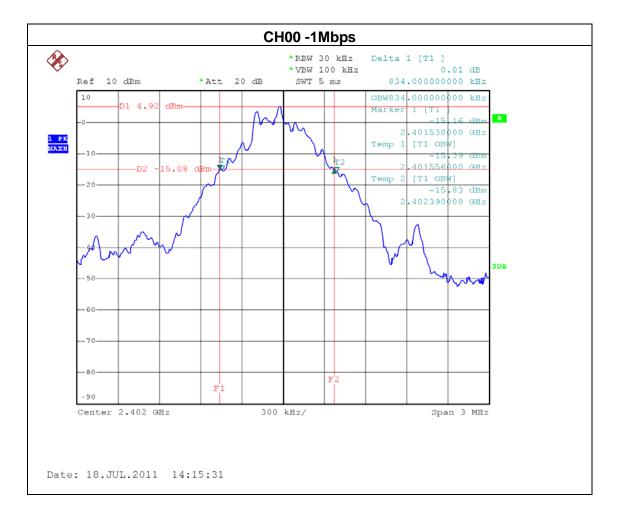
The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.

Report No.: NEI-FICP-1-1107C030 Page 84 of 110

8.1.6 TEST RESULTS

EUT:	Bluetooth stereo headset	Model Name :	H6060
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1009 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH00 / CH39 /CH78-1Mbps		

Frequency	20dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Result
2402 MHz	0.834	0.834	PASS
2441 MHz	0.828	0.828	PASS
2480 MHz	0.816	0.828	PASS

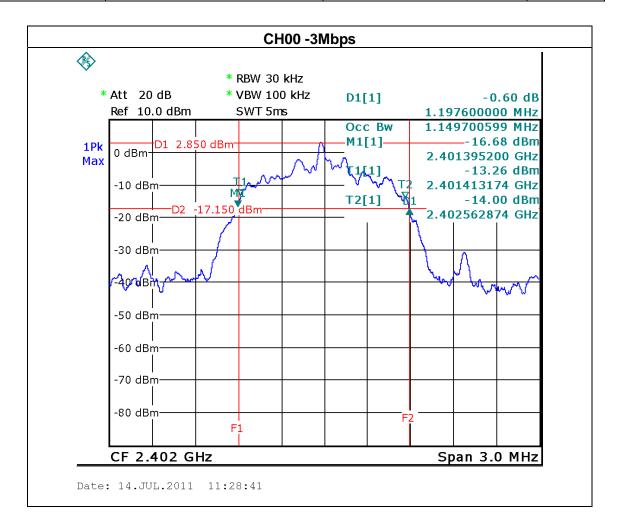


Report No.: NEI-FICP-1-1107C030 Page 85 of 110

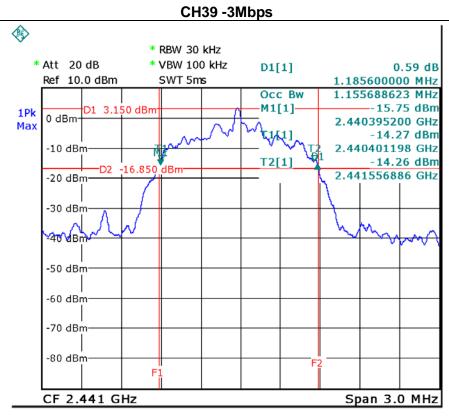
Neutron Engineering Inc. CH39 -1Mbps **\$** *RBW 30 kHz Delta 1 [T1] * VBW 100 kHz 828.000000000 kHz Ref 10 dBm *Att 20 dB SWT 5 ms OBW828.0000000000 kHz Marker 1 [T1 D1 4.8 dBr -15 11 dBm 2.440544000 GHz 1 PK Maxh Temp 1 [T1 OBW] 2.440556000 GHz -D2 15.2 dI Temp 2 [T1 OBV] -16 11 dBr 2.441384000 GHz Center 2.441 GHz 300 kHz/ Span 3 MHz Date: 18.JUL.2011 14:13:41 CH78 -1Mbps *RBW 30 kHz Delta 1 [T1] * VBW 100 kHz 0.25 dB 816.000000000 kHz Ref 10 dBm *Att 20 dB SWT 5 ms OBW828.000000000 kHz D1 4.33 dBm Marker 1 [T1 -15 50 dBm 2.479550000 GHz 1 PK Maxh Temp 1 [T1 OBW] 2.479556000 GHz Temp 2 [T1 OBW] -D2 -15.67 c 2.480384000 GHz Center 2.48 GHz 300 kHz/ Span 3 MHz Date: 18.JUL.2011 14:22:44

EUT:	Bluetooth stereo headset	Model Name :	H6060
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1009 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH00 / CH39 /CH78-3Mbps		

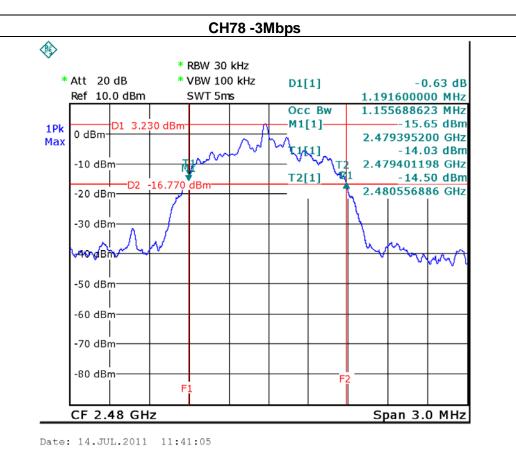
Frequency	20dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Result
2402 MHz	1.198	1.150	PASS
2441 MHz	1.186	1.156	PASS
2480 MHz	1.192	1.156	PASS



Report No.: NEI-FICP-1-1107C030 Page 87 of 110



Date: 14.JUL.2011 11:36:30



9. PEAK OUTPUT POWER TEST

9.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C					
Section Test Item Limit Frequency Range (MHz) Result				Result	
15.247 (b)(1)	Peak Output Power	0.125 watt or 21dBm	2400-2483.5	PASS	

9.1.1 MEASUREMENT INSTRUMENTS LIST AND SETTING

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov.26.2011

Remark: "N/A" denotes No Model Name, Serial No. or No Calibration specified.

9.1.2 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- b. Spectrum Setting: RBW= 3MHz, VBW= 3MHz, Sweep time = Auto.

9.1.3 DEVIATION FROM STANDARD

No deviation.

9.1.4 TEST SETUP

EUT	SPECTRUM
	ANALYZER

9.1.5 EUT OPERATION CONDITIONS

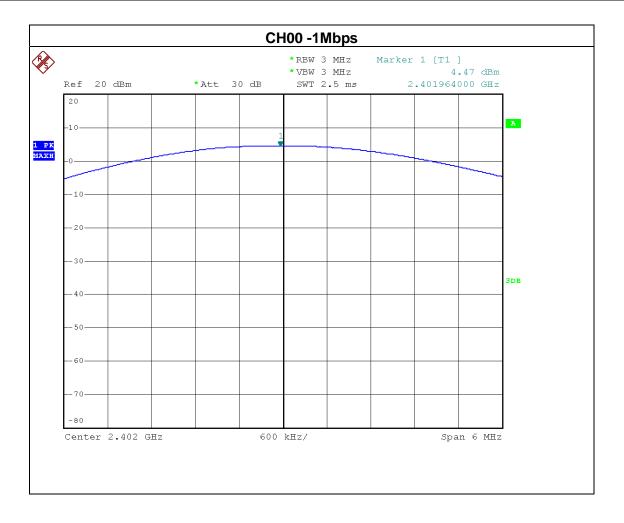
The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.

Report No.: NEI-FICP-1-1107C030 Page 89 of 110

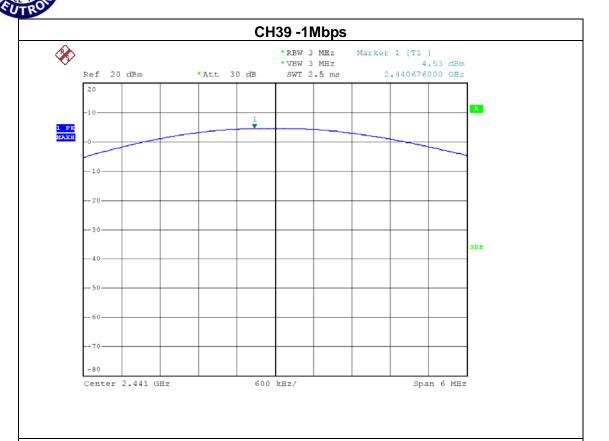
9.1.6 TEST RESULTS

EUT:	Bluetooth stereo headset	Model Name :	H6060
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1009 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH00/ CH39 /CH78 -1Mbps		

	Test Channel	Frequency	Peak Output Power	LIMIT	LIMIT
L	rest orialine	(MHz)	(dBm)	(dBm)	(W)
	CH00	2402	4.47	21	0.125
	CH39	2441	4.53	21	0.125
ſ	CH78	2480	4.84	21	0.125



Report No.: NEI-FICP-1-1107C030 Page 90 of 110





EUT:	Bluetooth stereo headset	Model Name :	H6060
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1009 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH00/ CH39 /CH78 -3Mbps		

Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH00	2402	3.60	21	0.125
CH39	2441	3.52	21	0.125
CH78	2480	3.80	21	0.125



Report No.: NEI-FICP-1-1107C030 Page 92 of 110

Neutron Engineering Inc. CH39 -3Mbps Marker 1 [T1] *RBW 3 MHz *VBW 3 MHz SWT 2.5 ms 3.52 dBm 2.440772000 GHz *Att 30 dB 1 PK Maxh Span 6 MHz Center 2.441 GHz 600 kHz/ **CH78** -3Mbps *RBW 3 MHz Marker 1 [T1] *VBW 3 MHz 3.80 dBm SWT 2.5 ms Ref 20 dBm *Att 30 dB 2.401700000 GHz 1 PK Maxh 3DB

600 kHz/

Center 2.402 GHz

10. ANTENNA CONDUCTED SPURIOUS EMISSION

10.1 APPLIED PROCEDURES / LIMIT

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

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

10.1.1 MEASUREMENT INSTRUMENTS LIST AND SETTING

ĺ	Item	Kind of Equipment	f Equipment Manufacturer Typ		Serial No.	Calibrated until	
	1	Spectrum Analyzer	R&S	FSP 40	100185	Nov.26.2011	

Remark: "N/A" denotes No Model Name, Serial No. or No Calibration specified.

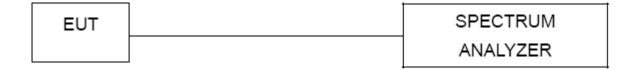
10.1.2 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- b Spectrum Setting: RBW= 100KHz, VBW=100KHz, Sweep time = Auto.

10.1.3 DEVIATION FROM STANDARD

No deviation.

10.1.4 TEST SETUP



10.1.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.

Report No.: NEI-FICP-1-1107C030 Page 94 of 110

10.1.6 TEST RESULTS

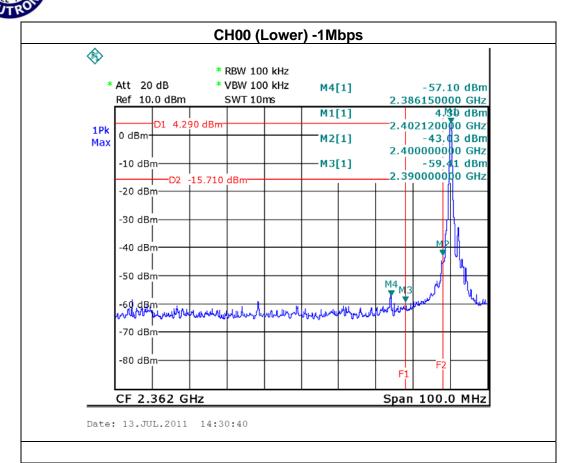
EUT:	Bluetooth stereo headset	Model Name :	H6060
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1009 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH00 / CH39/ CH78-1Mbps & Hopping on mode (1Mbps)		

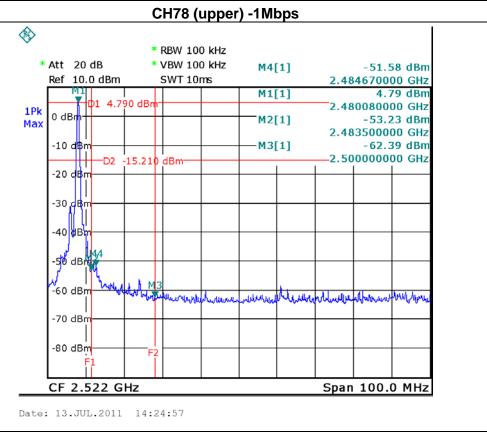
CH00 (Lower)	CH78(Upper)		
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)	
2386.15	-57.10	2484.67	-51.58	

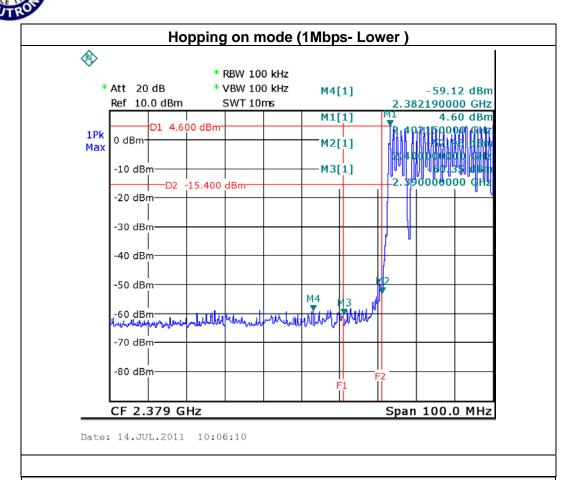
Result

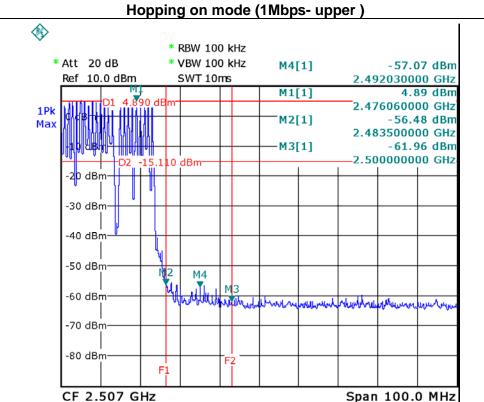
In any 100kHz bandwidth outside the frequency band, the radio frequency power is at least 20dB below that in the 100kHz bandwidth within the band that contains the highest lever of the desired power.

Report No.: NEI-FICP-1-1107C030 Page 95 of 110

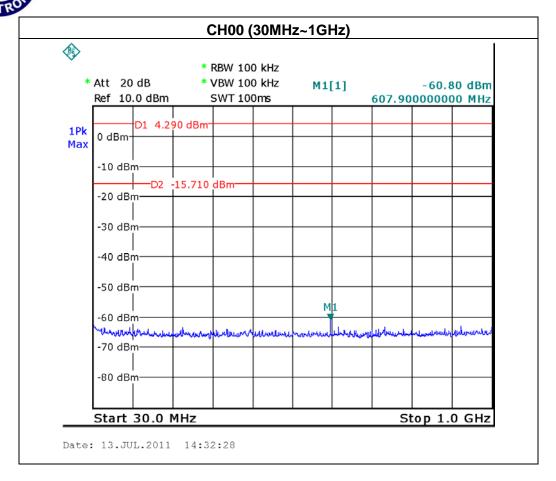


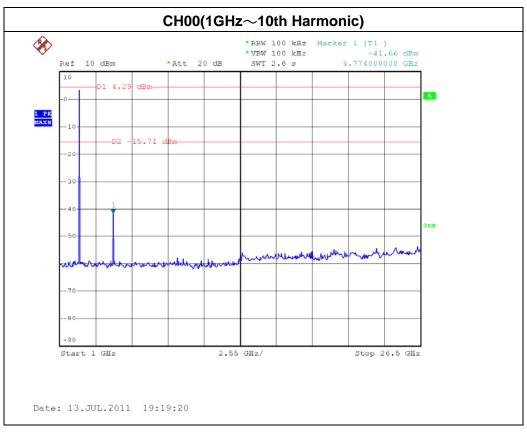


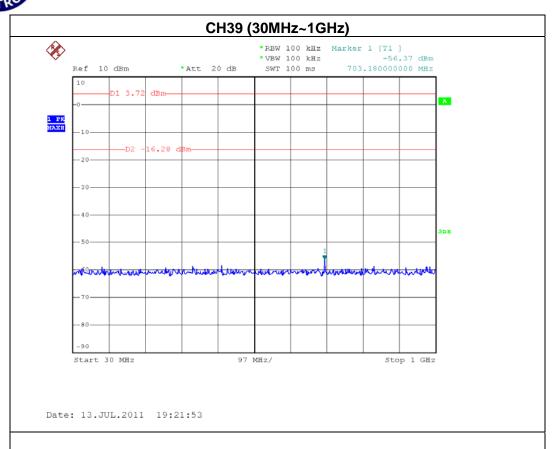


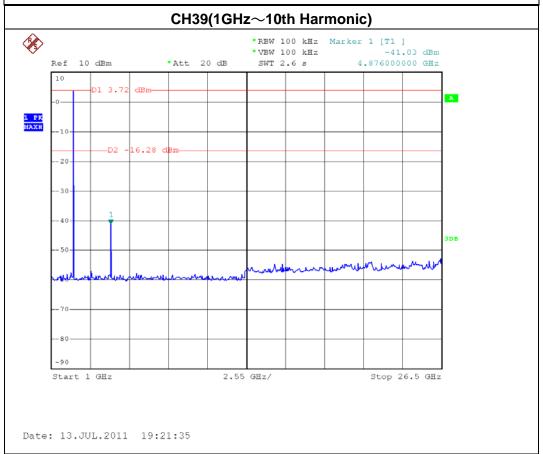


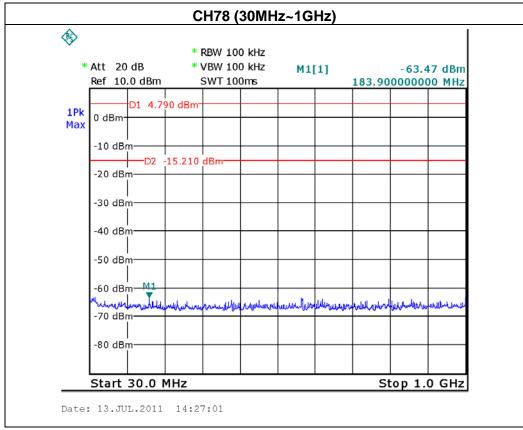
Date: 14.JUL.2011 10:11:04

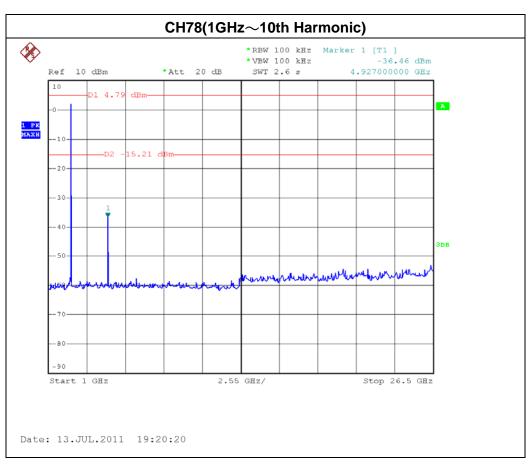












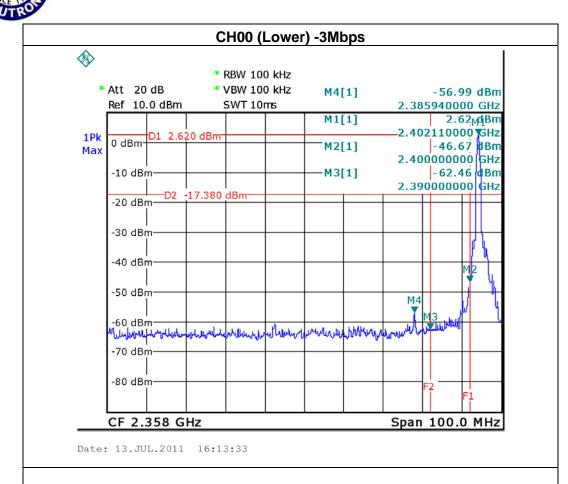


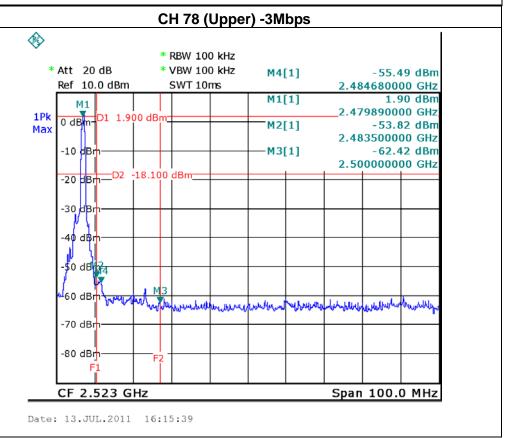
EUT:	Bluetooth stereo headset	Model Name :	H6060
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1009 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH00 / CH39/ CH78 -3Mbps & Hopping on mode (3Mbps)		

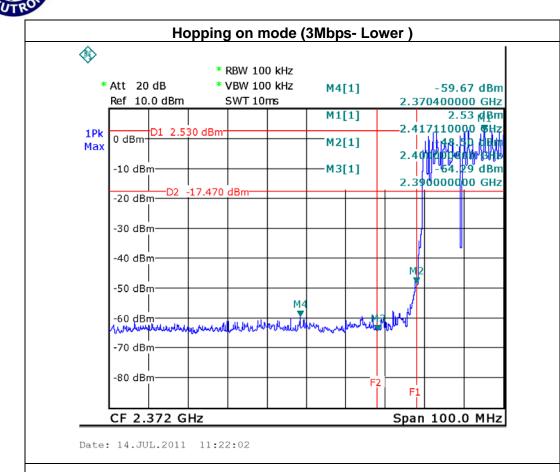
CH00 (Lower)	CH78(Upper)		
FREQUENCY(MHz) POWER(dBm)		FREQUENCY(MHz) POWER(dBm)		
2385.94	-56.99	2483.50	-53.82	
Result				

In any 100kHz bandwidth outside the frequency band, the radio frequency power is at least 20dB below that in the 100kHz bandwidth within the band that contains the highest lever of the desired power.

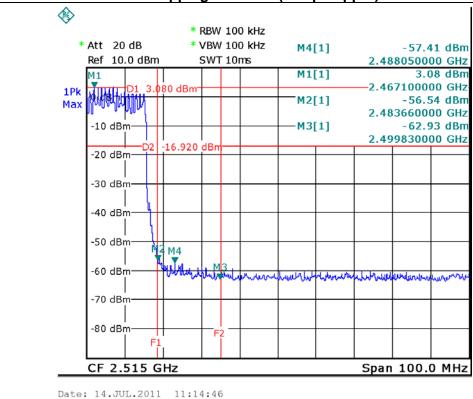
Report No.: NEI-FICP-1-1107C030 Page 101 of 110



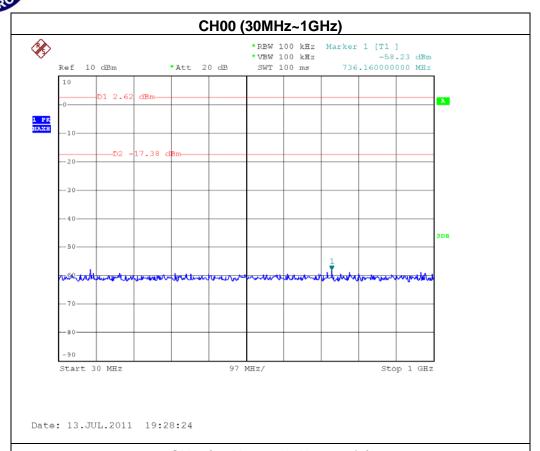




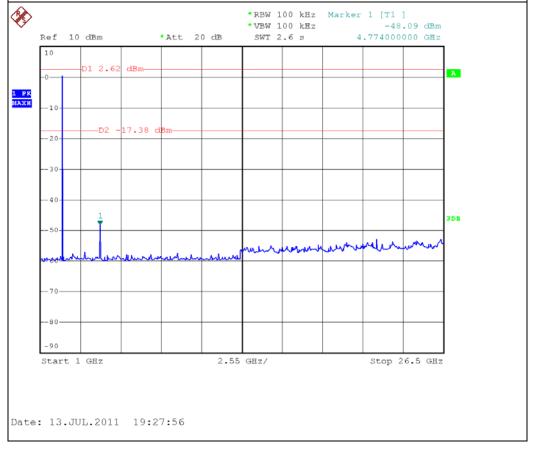


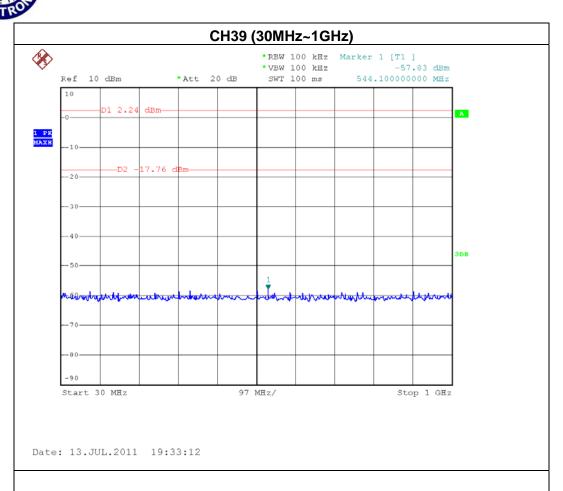


Report No.: NEI-FICP-1-1107C030 Page 103 of 110

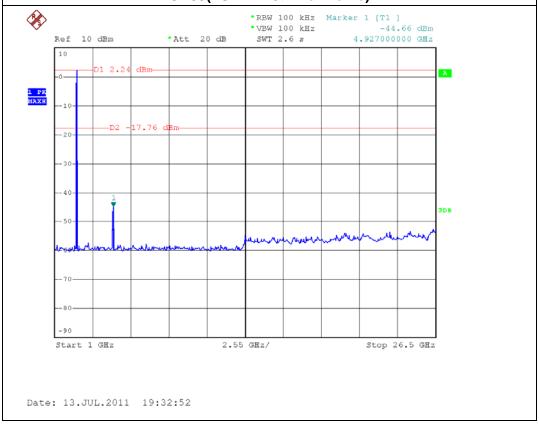


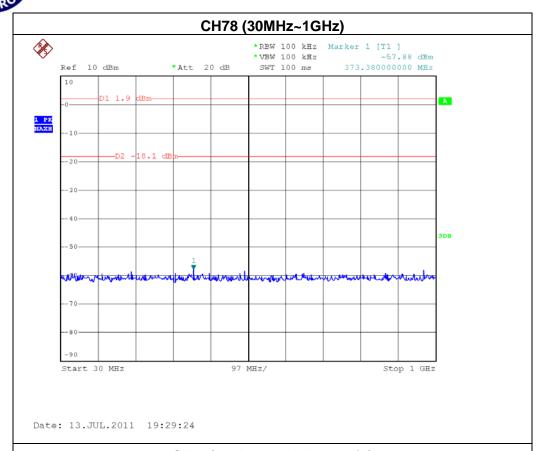
CH00(1GHz~10th Harmonic)



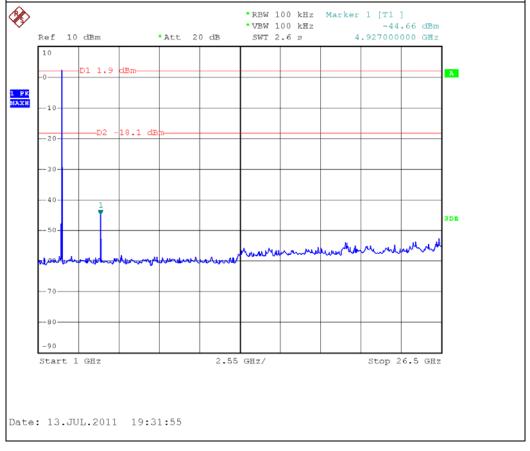


CH39(1GHz~10th Harmonic)





CH78(1GHz~10th Harmonic)



11. RF EXPOSURE TEST

11.1 APPLIED PROCEDURES / LIMIT

Systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess limit for maximum permissible exposure. In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as a mobile device whereby a distance of 0.2 m normally can be maintained between the user and the device.

(A) Limits for Occupational / Controlled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/ cm²)	Averaging Time E ², H ²or S (minutes)
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842 / f	4.89 / f	(900 / f)*	6
30-300	61.4	0.163	1.0	6
300-1500			F/300	6
1500-100,000			5	6

(B) Limits for General Population / Uncontrolled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/ cm²)	Averaging Time E ² , H ² or S (minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f)*	30
30-300	27.5	0.073	0.2	30
300-1500			F/1500	30
1500-100,000			1.0	30

Note: f = frequency in MHz; *Plane-wave equivalent power density

11.1.1 MPE CALCULATION METHOD

E (V/m)
$$=\frac{\sqrt{30 \times P \times G}}{d}$$
 Power Density: Pd (W/m²) $=\frac{E^2}{377}$

E = Electric field (V/m)

P = Peak RF output power (W)

G = EUT Antenna numeric gain (numeric)

d = Separation distance between radiator and human body (m)

The formula can be changed to

$$Pd = \frac{30 \times P \times G}{377 \times d^2}$$

From the peak EUT RF output power, the minimum mobile separation distance, d=0.2m, as well as the gain of the used antenna, the RF power density can be obtained

11.1.2 DEVIATION FROM STANDARD

No deviation.

11.1.3 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.

Report No.: NEI-FICP-1-1107C030 Page 107 of 110

11.1.4 TEST RESULTS

EUT:	Bluetooth stereo headset	Model Name :	H6060
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1009 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH00 (2402 MHz), CH39(2441	MHz), CH78 (2480	MHz) -1Mbps

Antenna Gain (dBi)		Peak Output Power (dBm)	•	Power Density (S) (mW/cm²)	Limit of Power Density (S) (mW/cm²)	Test Result
1.4	1.3804	4.47	2.7990	0.00076904	1	Complies
1.4	1.3804	4.53	2.8379	0.00077974	1	Complies
1.4	1.3804	4.84	3.0479	0.00083743	1	Complies

Note: Shown calculated EIRP is "worst case" scenario (peak power value) showing definite compliance with the threshold level.

EUT:	Bluetooth stereo headset	Model Name :	H6060
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1009 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH00 (2402 MHz), CH39(2441	MHz), CH78 (2480	MHz) -3Mbps

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm²)	Limit of Power Density (S) (mW/cm²)	Test Result
1.4	1.3804	3.60	2.2909	0.00062943	1	Complies
1.4	1.3804	3.52	2.2491	0.00061795	1	Complies
1.4	1.3804	3.80	2.3988	0.00065910	1	Complies

Note: Shown calculated EIRP is "worst case" scenario (peak power value) showing definite compliance with the threshold level.

Report No.: NEI-FICP-1-1107C030 Page 108 of 110



12. EUT TEST PHOTO

Conducted Measurement Photos





Report No.: NEI-FICP-1-1107C030 Page 109 of 110



Radiated Measurement Photos





Report No.: NEI-FICP-1-1107C030 Page 110 of 110