

RADIO TEST REPORT

FCC ID:XN6-S2120W IC: 8819A-S2120W

Product: 21"2.0 sound stand

Trade Name: VIZIO

Model Name: S2120w-E0

Serial Model: S2120w-E0D

Report No.: NTEK-2014NT0704059F1

Prepared for

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Applicant's name: Zylux Acoustic Corporation



TEST RESULT CERTIFICATION

Applicant 3 name	Zylux Acoustic Corporation		
Address:	3F,22,Lane 35,Jihu Road,Taipei Neihu Technology Park, 114 Taipei Taiwan-R.O.C		
Manufacture's Name:	Zhao Yang Electronic(Shenzhen)Co., Ltd.		
Address:	Sec.A, 4F, Building 1&2, De Yong Jia Ind. Park, GuangQiao Rd. Yu Lv Com., GongMing St. 518100 Guang Ming New Distr., Shenzhen, China		
Product description			
Product name:	21"2.0 sound stand		
Model and/or type reference :	S2120w-E0		
Serial Model:	S2120w-E0D		
Standards:	FCC Part15.247, 01 Oct. 2013 IC RSS-210,Issue 8, December 2010		
Test procedure	ANSI C63.4-2003 RSS-Gen Issue 3		
equipment under test (EUT) is in	s been tested by NTEK, and the test results show that the compliance with the FCC requirements/ the Industry Canada e only to the tested sample identified in the report.		
·	ced except in full, without the written approval of NTEK, this ised by NTEK, personal only, and shall be noted in the revision of		
Date of Test	:		
Date (s) of performance of tests	: 07 Jul. 2014 ~23 Jul. 2014		
Date of Issue	: 23 Jul. 2014		
Test Result	Pass		
Testing Engine	eer: Kyle Xu		
	(Kyle Xu)		
Technical Man	ager : Brown Lu)		
Authorized Sig	(Bill Yao)		



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1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

FCC Part15 (15.247) , Subpart C/ RSS-210 Annex 8					
Standard Section	Test Item	Judgment	Remark		
15.207/ RSS-Gen §7.2.4/ RSS-210 §	Conducted Emission	PASS			
15.247(a)(1) / RSS-210 §A8.2	Hopping Channel Separation	PASS			
15.247(b)(1) / RSS-210 §A8.4	Peak Output Power	PASS			
15.247(c) / RSS-210 §A8.5	Radiated Spurious Emission	PASS			
15.247(a)(iii) / RSS-210 §A8.1	Number of Hopping Frequency	PASS			
15.247(a)(iii) / RSS-210 §A8.1	Dwell Time	PASS			
15.247(a)(1) / RSS-210 §A8.1	Bandwidth	PASS			
15.205/ RSS-210 §A8.5	Band Edge Emission	PASS			
15.203/ RSS-Gen §7.1.2	Antenna Requirement	PASS			

NOTE:

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



1.1 TEST FACILITY

NTEK Testing Technology Co., Ltd

Add.: 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District, Shenzhen P.R. China.

FCC Registration No.:238937; IC Registration No.:9270A-1

CNAS Registration No.:L5516

1.2 MEASUREMENT UNCERTAINTY

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 % $^{\circ}$

No.	Item	Uncertainty
1	Conducted Emission Test	±1.38dB
2	RF power,conducted	±0.16dB
3	Spurious emissions,conducted	±0.21dB
4	All emissions,radiated(<1G)	±4.68dB
5	All emissions,radiated(>1G)	±4.89dB
6	Temperature	±0.5°C
7	Humidity	±2%



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	21"2.0 Sound Stand		
Trade Name	VIZIO		
Model Name	S2120w-E0		
Serial Model	S2120w-E0D		
Model Difference	All the model are the sai	me circuit and RF module,except	
Moder Difference	the model name.		
	The EUT is a 21"2.0 sou	und stand	
	Operation Frequency:	2402~2480 MHz	
	Modulation Type:	BT(1Mbps): GFSK	
		BT EDR(2Mbps): π /4-DQPSK	
		BT EDR(3Mbps): 8-DPSK	
	Bit Rate of Transmitter	1Mbps/2Mbps/3Mbps	
	Number Of Channel	79 CH	
Product Description	Antenna Designation:	Please see Note 3.	
	Output	BT(1Mbps): 6.315dBm	
	Power(Conducted):	BT EDR(2Mbps): 6.403dBm	
		BT EDR(3Mbps): 6.809dBm	
	Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as an ITE/Computing Device. More details of EUT technical specification, please refer to the User's Manual.		
Channel List	Please refer to the Note	2.	
	Adapter 1: Mode: SW02G-1200125W2 Input: 100-240V~, 50/60Hz, 0.5A Max		
A -l t	Output: 12V, 1.25A		
Adapter	Adapter 2: Mode: S018AY1200125 Input: 100-240V~, 50/60Hz, 0.5A Max		
	Output: 12V, 1.25A		
Battery	N/A		

Note:

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



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			

3. Table for Filed Antenna

Ant	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	NOTE
1	N/A	N/A	PCB Antenna	N/A	1.0	BT Antenna



2.2 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	CH00	
Mode 2	CH39	
Mode 3	CH78	
Mode 4	Keeping TX mode	

For Conducted Emission		
Final Test Mode Description		
Mode 4	Keeping TX mode	

For Radiated Emission			
Final Test Mode Description			
Mode 1	CH00		
Mode 2	CH39		
Mode 3	CH78		

Note:

- (1) The measurements are performed at the highest, middle, lowest available channels.
- (2) The EUT use new battery.
- (3)The data rate was set in 1Mbps for radiated emission due to the highest RF output power.

2.3 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: Broadcom			
Frequency	2402 MHz 2441 MHz 2480 MHz			
Parameters(1/2/3Mbps)	DEF	DEF	DEF	



2	Α	DI OCK		CHUMING	TUE	CONFIGURA		CVCTEM	TECTED
∠.	4	DLUCK	LUIGRAIN		INC	CUNTIGURA	TION OF	SISIEM	IESIED

AC Plug E-1 EUT



Report No.:NTEK-2014NT0704059F1

2.5 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)

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.	Series No.	Note
E-1	21"2.0 sound stand	VIZIO	S2120w-E0	N/A	EUT

Item	Shielded Type	Ferrite Core	Length	Note

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.
- (3) "YES" is means "shielded" "with core"; "NO" is means "unshielded" "without core".



2.6 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation Test equipment

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibratio n period
1	Spectrum Analyzer	Agilent	E4407B	MY4510804 0	2014.07.06	2015.07.05	1 year
2	Test Receiver	R&S	ESPI	101318	2014.06.07	2015.06.06	1 year
3	Bilog Antenna	TESEQ	CBL6111D	31216	2014.07.06	2015.07.05	1 year
4	50Ω Coaxial Switch	Anritsu	MP59B	620026441 6	2014.06.07	2015.06.06	1 year
5	Spectrum Analyzer	ADVANTEST	R3132	150900201	2014.06.07	2015.06.06	1 year
6	Horn Antenna	EM	EM-AH-101 80	2011071402	2014.07.06	2015.07.05	1 year
7	Horn Ant	Schwarzbeck	BBHA 9170	9170-181	2014.07.06	2015.07.05	1 year
8	Amplifier	EM	EM-30180	060538	2013.12.22	2014.12.21	1 year
9	Loop Antenna	ARA	PLA-1030/B	1029	2014.06.08	2015.06.07	1 year
10	Power Meter	R&S	NRVS	100696	2014.07.06	2015.07.05	1 year
11	Power Sensor	R&S	URV5-Z4	0395.1619. 05	2014.07.06	2015.07.05	1 year

Conduction Test equipment

Item	Kind of	Manufactu	Type No.	Serial No.	Last	Calibrated	Calibratio
	Equipment	rer	. 7		calibration	until	n period
1	Test Receiver	R&S	ESCI	101160	2014.06.06	2015.06.05	1 year
2	LISN	R&S	ENV216	101313	2013.08.24	2014.08.23	1 year
3	LISN	EMCO	3816/2	00042990	2013.08.24	2014.08.23	1 year
4	50Ω Coaxial Switch	Anritsu	MP59B	620026441 7	2014.06.07	2015.06.06	1 year
5	Passive Voltage Probe	R&S	ESH2-Z3	100196	2014.06.07	2015.06.06	1 year
6	Absorbing clamp	R&S	MOS-21	100423	2014.06.08	2015.06.07	1 year

	1	Attenuation	MCE	24-10-34	BN9258	2014.06.08	2015.06.07	1 year	
- 1	'	/ titoridation	IVIOL	21 10 01	D140200	2014.00.00	2013.00.01	, , ,	oui



3. EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

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

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)		Standard	
TREQUENCT (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/ RSS-210
0.50 -5.0	73.00	60.00	56.00	46.00	FCC/ RSS-210
5.0 -30.0	73.00	60.00	60.00	50.00	FCC/ RSS-210

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.

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



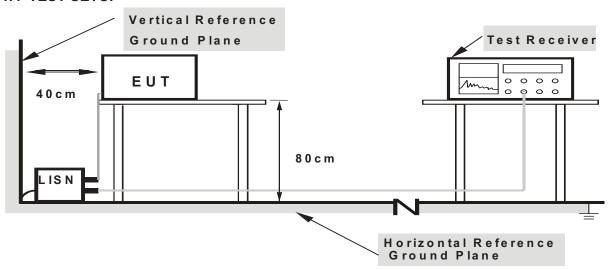
3.1.2 TEST PROCEDURE

- 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.

3.1.3 DEVIATION FROM TEST STANDARD

No deviation

3.1.4 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

3.1.5 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.

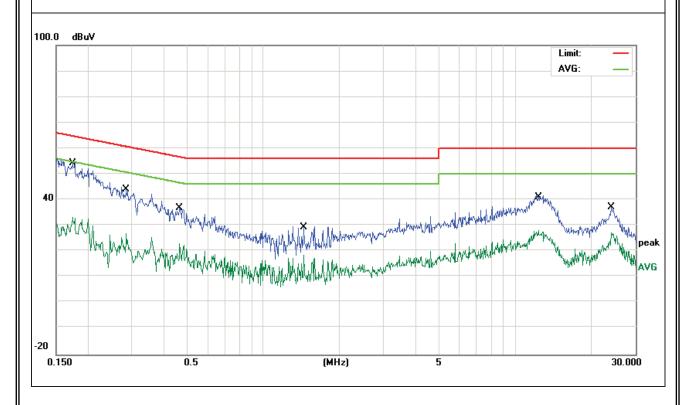


3.1.6 TEST RESULTS

EUT:	21″2.0 sound stand	Model Name :	S2120w-E0
Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	1010hPa	Phase :	L
Test Voltage :	AC 120V/60Hz	Test Mode:	Mode 4(Adapter 1)

Freq.	Reading	Factor	Measurement	Limit	Over	Remark
(MHz)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	Remark
0.1737	46.52	9.58	56.10	64.78	-8.68	QP
0.1737	23.62	9.58	33.20	54.78	-21.58	AVG
0.2857	35.59	9.51	45.10	60.65	-15.55	QP
0.2857	17.59	9.51	27.10	50.65	-23.55	AVG
0.4660	27.27	9.53	36.80	56.58	-19.78	QP
0.4660	13.63	9.53	23.16	46.58	-23.42	AVG
1.4417	20.14	9.56	29.70	56.00	-26.30	QP
1.4417	9.09	9.56	18.65	46.00	-27.35	AVG
12.3528	32.12	9.78	41.90	60.00	-18.10	QP
12.3658	18.23	9.78	28.01	50.00	-21.99	AVG
24.0579	26.82	10.28	37.10	60.00	-22.90	QP
24.0579	17.03	10.28	27.31	50.00	-22.69	AVG

Remark:

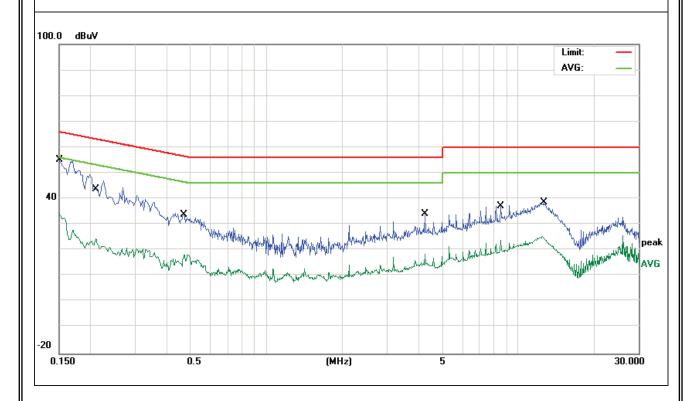




EUT:	21″2.0 sound stand	Model Name :	S2120w-E0
Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	1010hPa	Phase :	N
Test Voltage :	AC 120V/60Hz	Test Mode:	Mode 4(Adapter 1)

Freq.	Reading	Factor	Measurement	Limit	Over	Remark
(MHz)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	IXemaik
0.1500	45.50	9.66	55.16	65.99	-10.83	QP
0.1500	24.69	9.66	34.35	55.99	-21.64	AVG
0.2099	37.47	9.50	46.97	63.21	-16.24	QP
0.2099	14.94	9.50	24.44	53.21	-28.77	AVG
0.4697	24.89	9.53	34.42	56.52	-22.10	QP
0.4697	8.85	9.53	18.38	46.52	-28.14	AVG
4.2538	24.57	9.60	34.17	56.00	-21.83	QP
4.2538	8.89	9.60	18.49	46.00	-27.51	AVG
8.5099	27.41	9.71	37.12	60.00	-22.88	QP
8.5099	14.17	9.71	23.88	50.00	-26.12	AVG
12.4817	28.91	9.78	38.69	60.00	-21.31	QP
12.4817	15.70	9.78	25.48	50.00	-24.52	AVG

Remark:

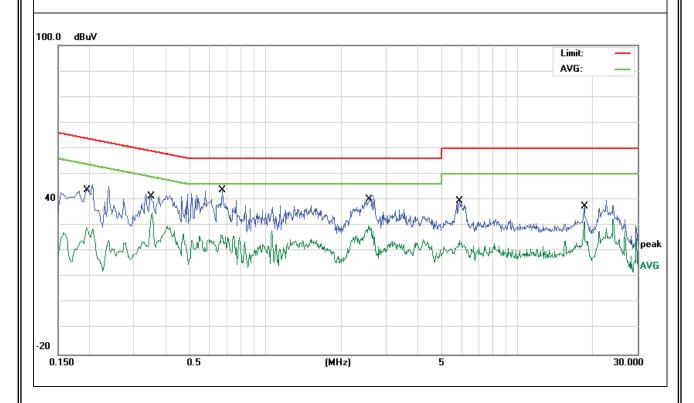




EUT:	21″2.0 sound stand	Model Name :	S2120w-E0	
Temperature:	26 ℃	Relative Humidity:	54%	
Pressure:	1010hPa	Phase :	L	
Test Voltage :	AC 120V/60Hz	Test Mode:	Mode 4(Adapter 2)	

Freq.	Reading	Factor	Measurement	Limit	Over	Remark
(MHz)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	IXemaik
0.1940	36.44	9.51	45.95	63.86	-17.91	QP
0.1940	19.95	9.51	29.46	53.86	-24.40	AVG
0.3539	32.80	9.50	42.30	58.87	-16.57	QP
0.3539	25.42	9.50	34.92	48.87	-13.95	AVG
0.6740	34.10	9.53	43.63	56.00	-12.37	QP
0.6740	16.93	9.53	26.46	46.00	-19.54	AVG
2.5659	32.24	9.56	41.80	56.00	-14.20	QP
2.5659	20.50	9.56	30.06	46.00	-15.94	AVG
5.8778	29.88	9.64	39.52	60.00	-20.48	QP
5.8778	14.55	9.64	24.19	50.00	-25.81	AVG
18.4338	27.17	10.15	37.32	60.00	-22.68	QP
18.4338	21.53	10.15	31.68	50.00	-18.32	AVG

Remark:

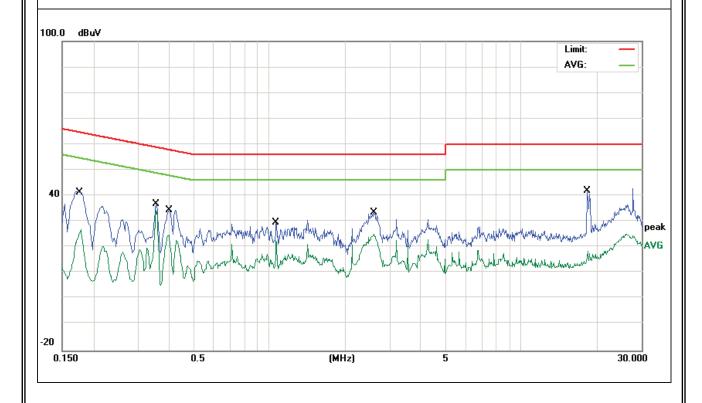




EUT:	21″2.0 sound stand	Model Name :	S2120w-E0	
Temperature:	26 ℃	Relative Humidity:	54%	
Pressure:	1010hPa	Phase :	N	
Test Voltage :	AC 120V/60Hz	Test Mode:	Mode 4(Adapter 2)	

Freq.	Reading	Factor	Measurement	Limit	Over	Remark
(MHz)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	IXemaik
0.1780	32.25	9.55	41.80	64.57	-22.77	QP
0.1780	17.35	9.55	26.90	54.57	-27.67	AVG
0.3540	27.32	9.50	36.82	58.87	-22.05	QP
0.3540	24.92	9.50	34.42	48.87	-14.45	AVG
0.3980	25.02	9.50	34.52	57.89	-23.37	QP
0.3980	15.28	9.50	24.78	47.89	-23.11	AVG
1.0620	20.15	9.53	29.68	56.00	-26.32	QP
1.0620	13.33	9.53	22.86	46.00	-23.14	AVG
2.6020	23.91	9.56	33.47	56.00	-22.53	QP
2.6020	15.60	9.56	25.16	46.00	-20.84	AVG
18.3659	31.73	10.15	41.88	60.00	-18.12	QP
18.3659	8.48	10.15	18.63	50.00	-31.37	AVG

Remark:





3.2 RADIATED EMISSION MEASUREMENT

3.2.1 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)/ RSS-210 §2.2& A8.5, then the 15.209(a) / RSS-210 & A8.5limit 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)	Class A (dBu	ıV/m) (at 3M)	Class B (dBuV/m) (at 3M)		
PREQUENCT (WITZ)	PEAK	AVERAGE	PEAK	AVERAGE	
Above 1000 80		60	74	54	

Notes:

- (1) The limit for radiated test was performed according to FCC PART 15C/ RSS-Gen.
- (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



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

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		

3.2.2 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 open area test site. 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.

Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

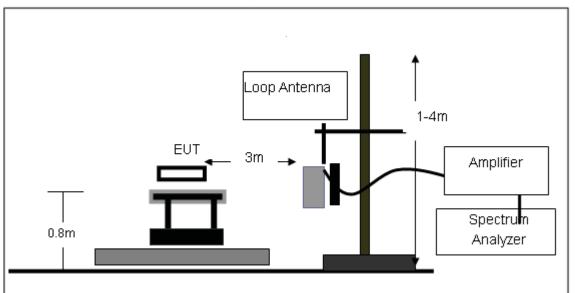
3.2.3 DEVIATION FROM TEST STANDARD

No deviation

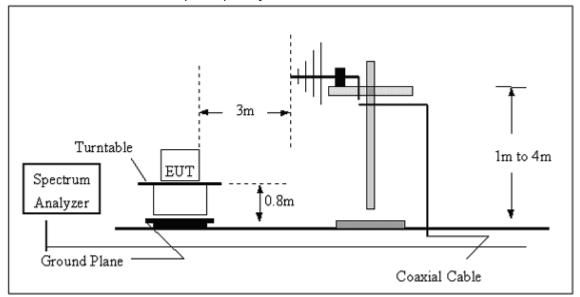


3.2.4 TEST SETUP

(A) Radiated Emission Test-Up Frequency Below 30MHz

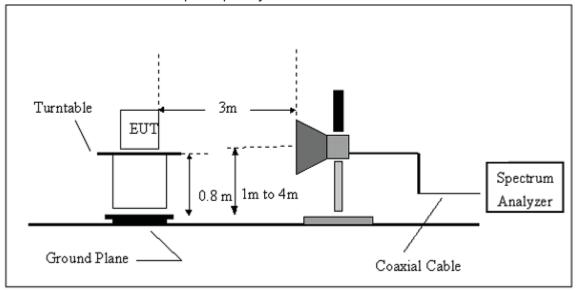


(B) Radiated Emission Test-Up Frequency 30MHz~1GHz



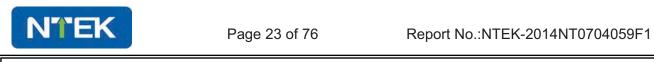


(C) Radiated Emission Test-Up Frequency Above 1GHz



3.2.5 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.



3.2.6 TEST RESULTS (BETWEEN 30MHZ – 1GHZ)

EUT:	21"2.0 sound stand	Model Name :	S2120w-E0
Temperature :	20 ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage:	AC 120V/60Hz
Test Mode:	TX(Adapter 1)		

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark	Comment
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Remark	Comment
Below 1G							
33.5624	16.42	17.48	33.90	40.00	-6.10	QP	Vertical
75.1822	19.52	5.71	25.23	40.00	-14.77	QP	Vertical
137.9028	15.98	11.51	27.49	43.50	-16.01	QP	Vertical
203.5228	19.43	11.02	30.45	43.50	-13.05	QP	Vertical
271.3245	14.22	13.83	28.05	46.00	-17.95	QP	Vertical
504.7062	10.64	20.39	31.03	46.00	-14.97	QP	Vertical
80.0806	23.83	5.87	29.70	40.00	-10.30	QP	Horizontal
116.5400	20.28	11.36	31.64	43.50	-11.86	QP	Horizontal
131.7577	20.30	11.81	32.11	43.50	-11.39	QP	Horizontal
209.3129	26.14	11.41	37.55	43.50	-5.95	QP	Horizontal
258.3264	22.35	13.68	36.03	46.00	-9.97	QP	Horizontal
406.0880	14.09	18.43	32.52	46.00	-13.48	QP	Horizontal

EUT:	21"2.0 sound stand	Model Name :	S2120w-E0
Temperature:	20 ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage:	AC 120V/60Hz
Test Mode:	TX(Adapter 2)		

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark	Comment
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Remark	Comment
			Below 1G				
30.2108	11.42	19.31	30.73	40.00	-9.27	QP	Vertical
38.0782	14.56	14.75	29.31	40.00	-10.69	QP	Vertical
78.9651	22.13	5.82	27.95	40.00	-12.05	QP	Vertical
128.1127	19.12	11.93	31.05	43.50	-12.45	QP	Vertical
184.4898	18.85	10.66	29.51	43.50	-13.99	QP	Vertical
279.0436	14.17	13.92	28.09	46.00	-17.91	QP	Vertical
79.5207	24.40	5.84	30.24	40.00	-9.76	QP	Horizontal
122.8340	21.88	12.04	33.92	43.50	-9.58	QP	Horizontal
184.4898	25.66	10.66	36.32	43.50	-7.18	QP	Horizontal
209.3129	27.90	11.41	39.31	43.50	-4.19	QP	Horizontal
406.0880	15.49	18.43	33.92	46.00	-12.08	QP	Horizontal
603.5392	12.90	22.48	35.38	46.00	-10.62	QP	Horizontal



3.2.7 TEST RESULTS (ABOVE 1000 MHZ)

EUT:	21″2.0 sound stand	Model Name :	S2120w-E0
Temperature:	20 ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage:	AC 120V/60Hz
Test Mode:	TX		

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Davasaulu	Camanant
(MHz)	(dBμV)	(dB)	(dBµV/m)	(dBμV/m)	(dB)	Remark	Comment
		Low Ch	annel (2402 MHz)-A	Above 1G			
4804.000	65.13	-3.64	61.49	74	-12.51	Pk	Vertical
4804.000	48.39	-3.64	44.75	54	-9.25	AV	Vertical
7206.000	54.11	-0.95	53.16	74	-20.84	Pk	Vertical
7206.000	40.04	-0.95	39.09	54	-14.91	AV	Vertical
4804.000	60.54	-3.64	56.9	74	-17.1	Pk	Horizontal
4804.000	45.26	-3.64	41.62	54	-12.38	AV	Horizontal
7206.000	51.76	-0.96	50.8	74	-23.2	Pk	Horizontal
7206.000	39.35	-0.96	38.39	54	-15.61	AV	Horizontal
		Mid Cha	annel (2441 MHz)- <i>A</i>	Above 1G			
4882.000	63.23	-3.67	59.56	74	-14.44	Pk	Vertical
4882.000	44.28	-3.67	40.61	54	-13.39	AV	Vertical
7323.000	56.26	-0.82	55.44	74	-18.56	Pk	Vertical
7323.000	43.87	-0.82	43.05	54	-10.95	AV	Vertical
4882.000	61.34	-3.67	57.67	74	-16.33	Pk	Horizontal
4882.000	42.13	-3.67	38.46	54	-15.54	AV	Horizontal
7323.000	52.95	-0.82	52.13	74	-21.87	Pk	Horizontal
7323.000	40.52	-0.82	39.7	54	-14.3	AV	Horizontal
		High Ch	annel (2480 MHz)-	Above 1G			
4960.000	58.45	-3.59	54.86	74	-19.14	Pk	Vertical
4960.000	42.19	-3.59	38.6	54	-15.4	AV	Vertical
7440.000	52.76	-0.68	52.08	74	-21.92	Pk	Vertical
7440.000	40.23	-0.68	39.55	54	-14.45	AV	Vertical
4960.000	61.23	-3.59	57.64	74	-16.36	Pk	Horizontal
4960.000	41.22	-3.59	37.63	54	-16.37	AV	Horizontal
7440.000	50.98	-0.68	50.3	74	-23.7	Pk	Horizontal
7440.000	41.45	-0.68	40.77	54	-13.23	AV	Horizontal

Remark:" 3Mbps" mode is the worst mode.

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Emission Level = Meter Reading + Factor

Margin = Emission Level- Limit



Radiated band edge:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark	Comment
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Remark	Comment
		1Mbps	s(Non-FHSS) T〉	CH 00			
2390	61.23	-13.06	48.17	74	-25.83	peak	Vertical
2390	62.45	-13.06	49.39	74	-24.61	peak	Horizontal
		1Mbps	s(Non-FHSS) T〉	CH 78			
2483.5	60.34	-12.78	47.56	74	-26.44	peak	Vertical
2483.5	60.99	-12.78	48.21	74	-25.79	peak	Horizontal
		2Mbps	s(Non-FHSS) T〉	CH 00			
2390	62.14	-13.06	49.08	74	-24.92	peak	Vertical
2390	61.48	-13.06	48.42	74	-25.58	peak	Horizontal
		2Mbps	s(Non-FHSS) T〉	CH 78			
2483.5	61.95	-12.78	49.17	74	-24.83	peak	Vertical
2483.5	60.23	-12.78	47.45	74	-26.55	peak	Horizontal
		3Mbps	s(Non-FHSS) T〉	CH 00			
2390	62.87	-13.06	49.81	74	-24.19	peak	Vertical
2390	61.94	-13.06	48.88	74	-25.12	peak	Horizontal
	3Mbps(Non-FHSS) TX CH 78						
2483.5	60.75	-12.78	47.97	74	-26.03	peak	Vertical
2483.5	60.83	-12.78	48.05	74	-25.95	peak	Horizontal

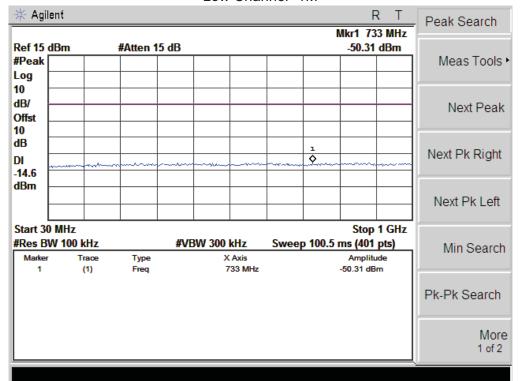
Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Damanda	C
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Remark	Comment
			1Mbps(FHSS)				
2390	63.13	-13.06	50.07	74	-23.93	peak	Vertical
2390	62.87	-13.06	49.81	74	-24.19	peak	Horizontal
2483.5	61.56	-12.78	48.78	74	-25.22	peak	Vertical
2483.5	63.15	-12.78	50.37	74	-23.63	peak	Horizontal
	2Mbps(FHSS)						
2390	64.12	-13.06	51.06	74	-22.94	peak	Vertical
2390	63.76	-13.06	50.7	74	-23.3	peak	Horizontal
2483.5	62.19	-12.78	49.41	74	-24.59	peak	Vertical
2483.5	65.54	-12.78	52.76	74	-21.24	peak	Horizontal
			3Mbps(FHSS)				
2390	62.88	-13.06	49.82	74	-24.18	peak	Vertical
2390	64.15	-13.06	51.09	74	-22.91	peak	Horizontal
2483.5	60.76	-12.78	47.98	74	-26.02	peak	Vertical
2483.5	63.87	-12.78	51.09	74	-22.91	peak	Horizontal

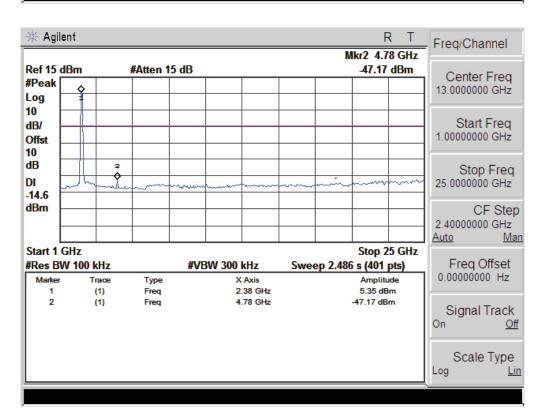
NOTE: 1. When the result(PK) less than AV limite, not record AV result.



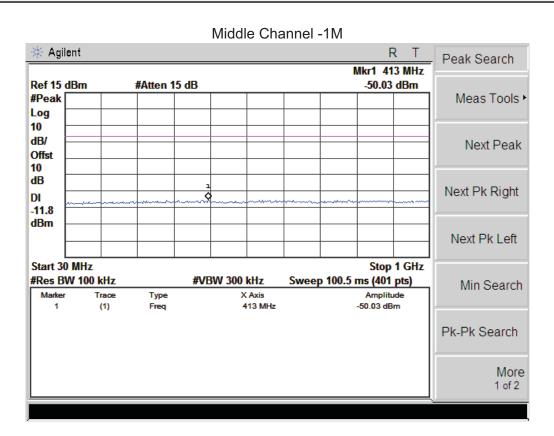
Conducted Spurious Emissions at Antenna Port:

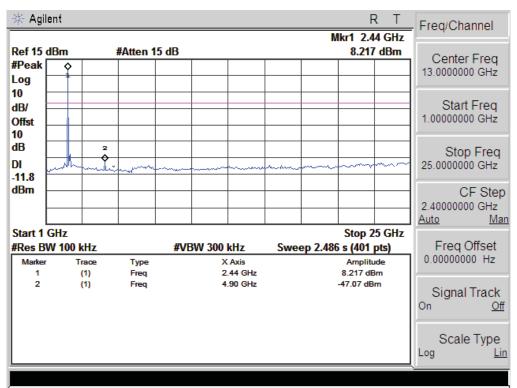
Low Channel -1M



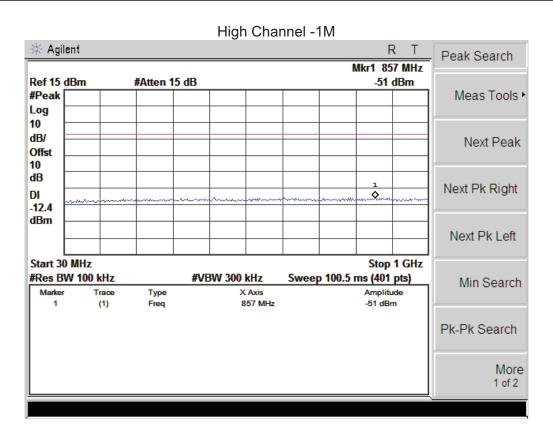


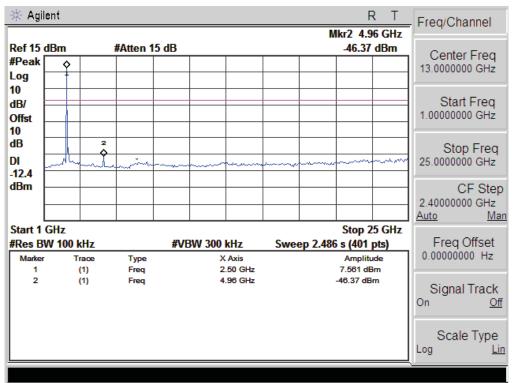




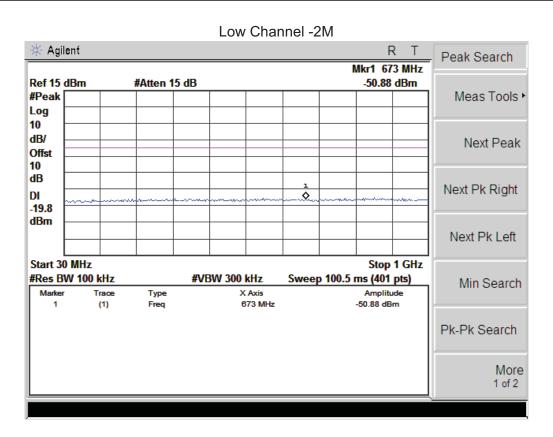


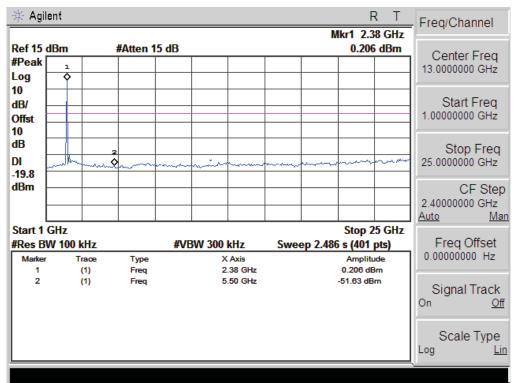




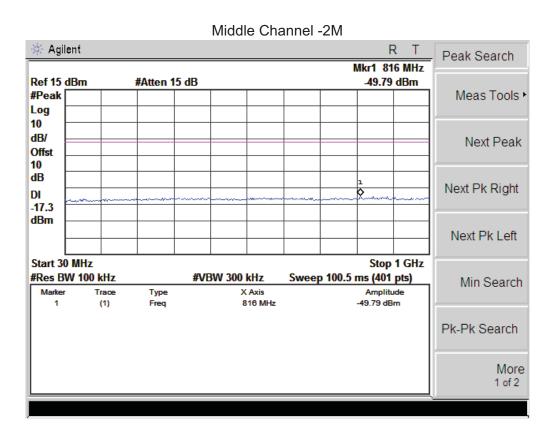


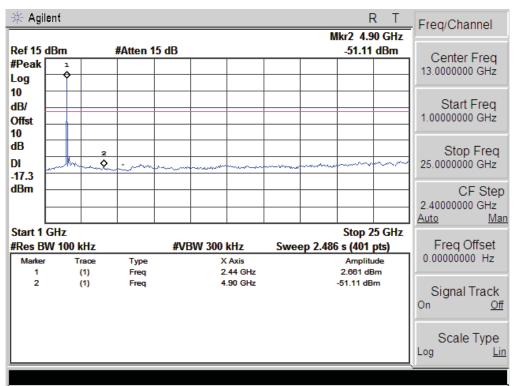




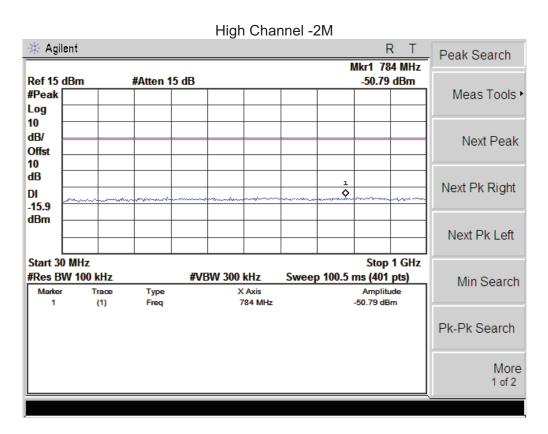


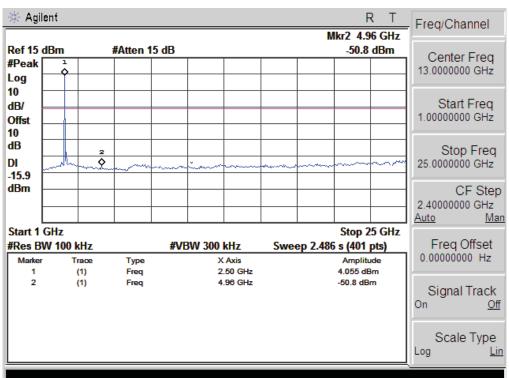




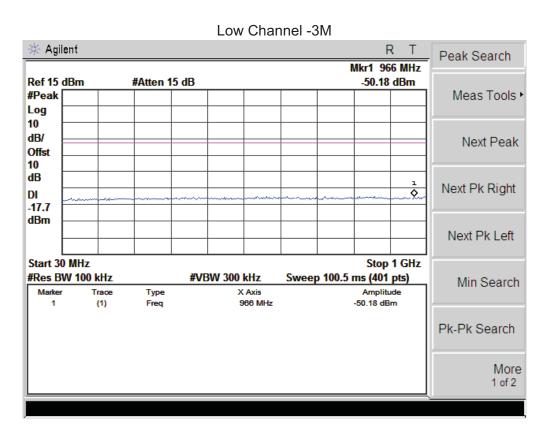


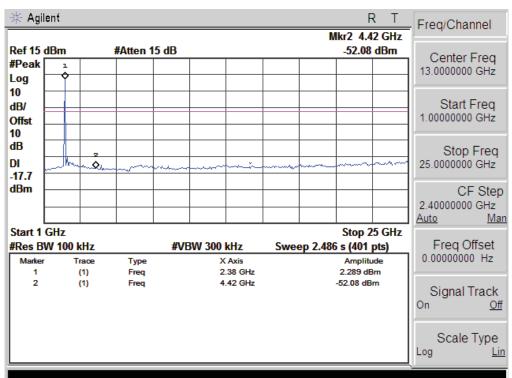




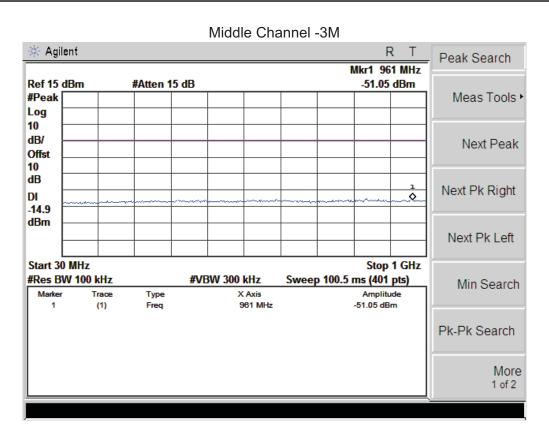


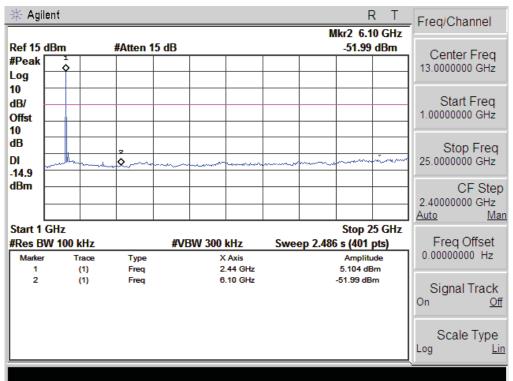




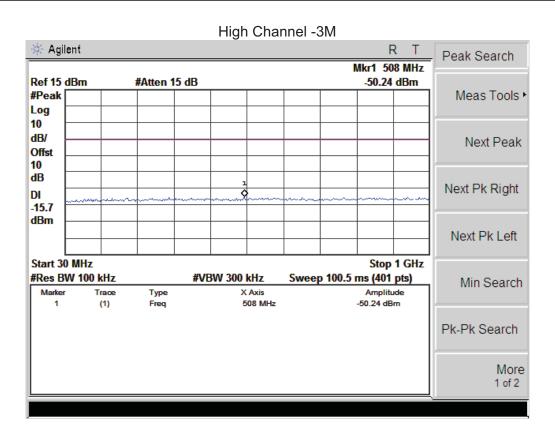


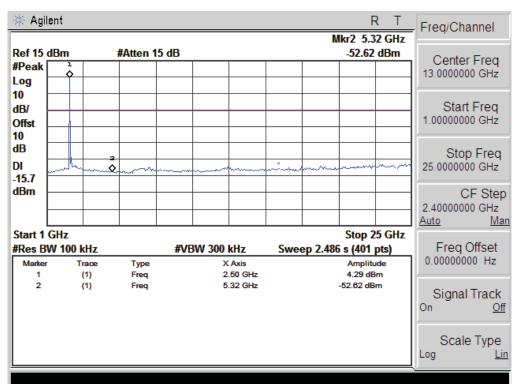














4. NUMBER OF HOPPING CHANNEL

4.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C/ RSS-210						
Section Test Item Limit Frequency Range (MHz) Result						
15.247(a)(1)(iii)/ RSS-210 §A8.1	Number of Hopping Channel	≥15	2400-2483.5	PASS		

Spectrum Parameters	Setting
Attenuation	Auto
Span Frequency	= the frequency band of operation
RB	RBW=100kHz
VB	$VBW \ge RBW$
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

4.1.1 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.

4.1.2 DEVIATION FROM STANDARD

No deviation.

4.1.3 TEST SETUP



4.1.4 EUT OPERATION CONDITIONS

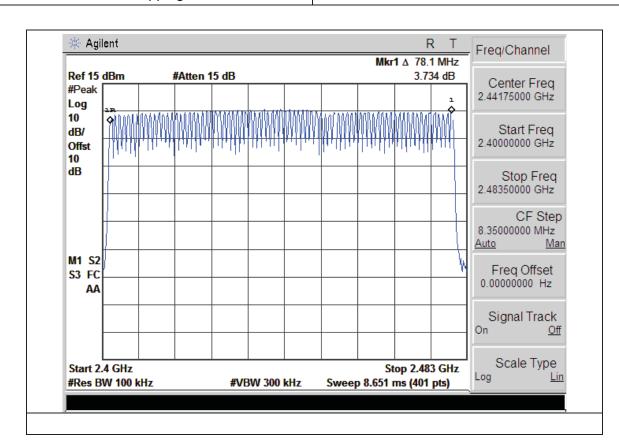
The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.



4.1.5 TEST RESULTS

EUT:	21"2.0 sound stand	Model Name :	S2120w-E0
Temperature:	25 ℃	Relative Humidity:	60%
Pressure:	1015 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	Hopping Mode		

Number of Hopping Channel 79





5. AVERAGE TIME OF OCCUPANCY

5.1 APPLIED PROCEDURES / LIMIT

	FCC Part15 (15.247) , Subpart C/ RSS-210				
Section Test Item Limit Frequency Range (MHz) Result					
15.247(a)(1)(iii)/ RSS-210 §A8.1	Average Time of Occupancy	0.4sec	2400-2483.5	PASS	

5.1.1 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
- 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. A Period Time = (channel number)*0.4

 - DH1 Time Slot: Reading * (1600/2)*31.6/(channel number) DH3 Time Slot: Reading * (1600/4)*31.6/(channel number)
 - DH5 Time Slot: Reading * (1600/6)*31.6/(channel number)

5.1.2 DEVIATION FROM STANDARD

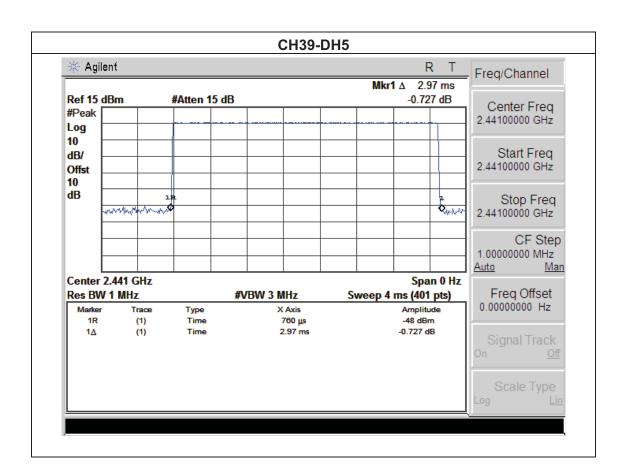
No deviation.

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5.1.3 TEST SETUP	<u> </u>	
EUT		SPECTRUM ANALYZER
5.1.4 EUT OPERA	TION CONDITIONS	
The EUT tested sys operating condition	stem was configured as the statements of is specified in the follows during the testi	f 2.4 Unless otherwise a special ng.
		l

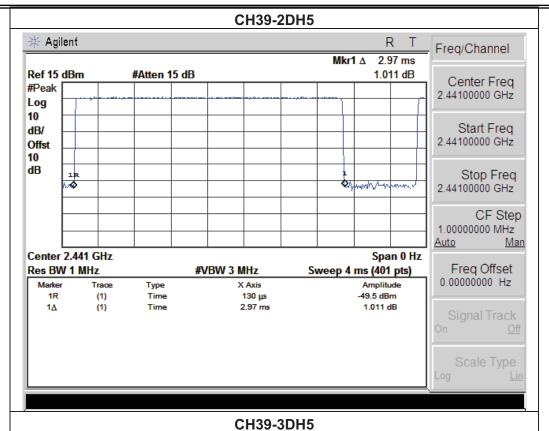


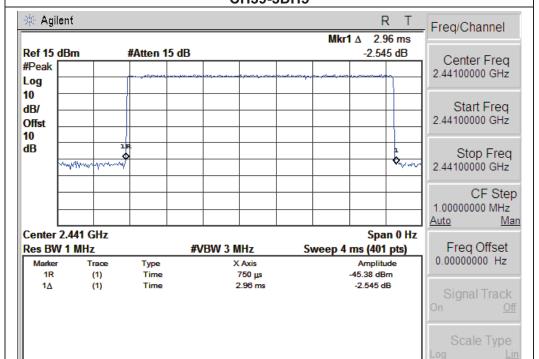
EUT:	21"2.0 sound stand	Model Name :	S2120w-E0
Temperature :	25 ℃	Relative Humidity:	60%
Pressure:	1012 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	CH39-DH5 ,2DH5,3DH5		

Data Packet	Frequency	Pulse Duration	Dwell Time	Limits
		(ms)	(s)	(s)
DH5	2441 MHz	2.97	0.32	0.4
2DH5	2441 MHz	2.97	0.32	0.4
3DH5	2441 MHz	2.96	0.32	0.4





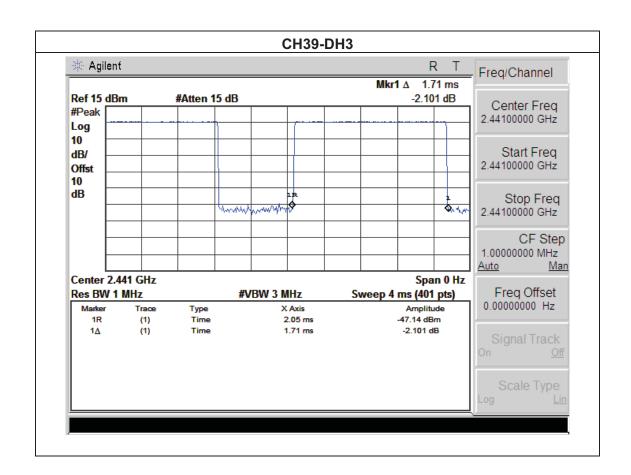




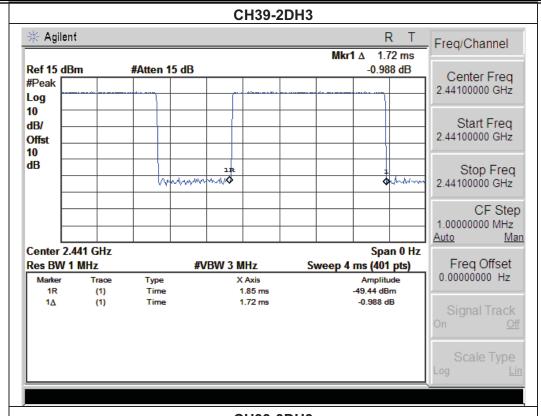


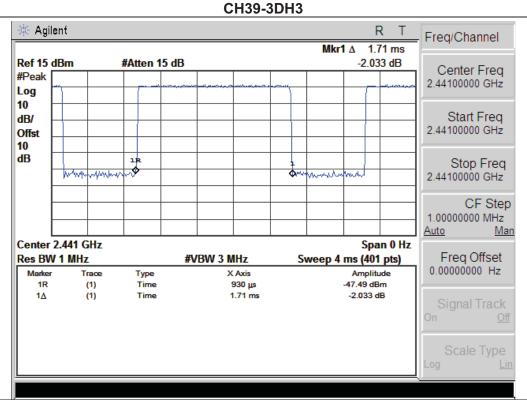
EUT:	21"2.0 sound stand	Model Name :	S2120w-E0
Temperature:	25 ℃	Relative Humidity:	60%
Pressure:	1012 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	CH39-DH3,2DH3,3DH3		

Data Packet Frequency		Pulse Duration	Dwell Time	Limits
		(ms)	(s)	(s)
DH3	2441 MHz	1.71	0.27	0.4
2DH3	2441 MHz	1.72	0.28	0.4
3DH3	2441 MHz	1.71	0.27	0.4





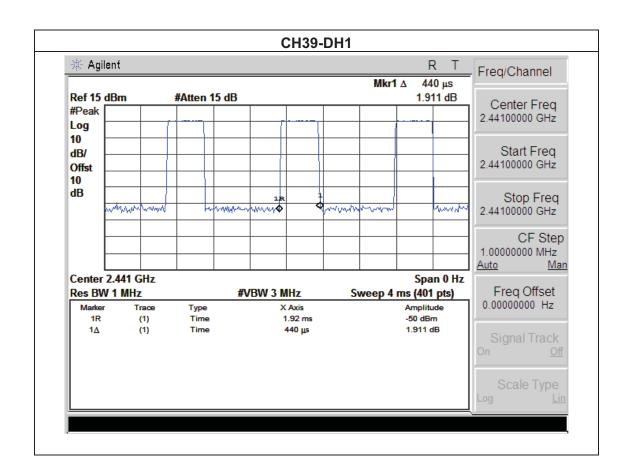




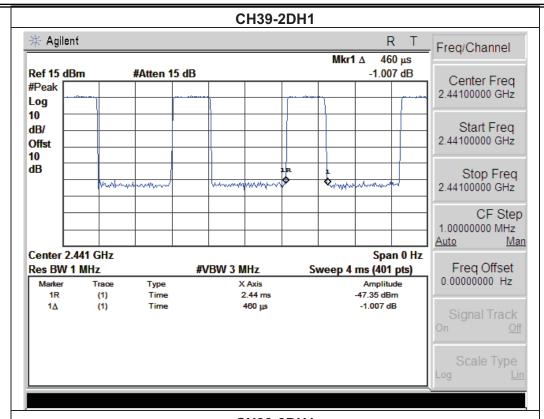


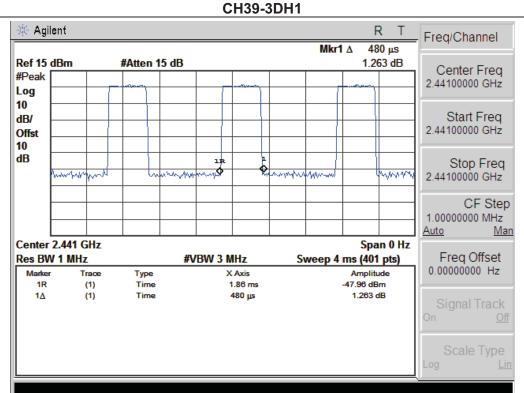
EUT:	21"2.0 sound stand	Model Name :	S2120w-E0
Temperature:	25 ℃	Relative Humidity:	60%
Pressure:	1012 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	CH39-DH1,2DH1,3DH1		

Data Packet	Frequency	Pulse Duration	Dwell Time	Limits
		(ms)	(s)	(s)
DH1	2441 MHz	0.44	0.14	0.4
2DH1	2441 MHz	0.46	0.15	0.4
3DH1	2441 MHz	0.48	0.15	0.4











6. HOPPING CHANNEL SEPARATION MEASUREMENT

6.1 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.

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

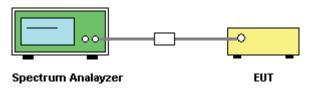
6.1.1 TEST PROCEDURE

- a. The transmitter output (antenna port) was connected to the spectrum analyser in peak hold mode.
- b. The resolution bandwidth of 30 kHz and the video bandwidth of 100 kHz were utilised for channel separation measurement.

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP



6.1.4 EUT OPERATION CONDITIONS

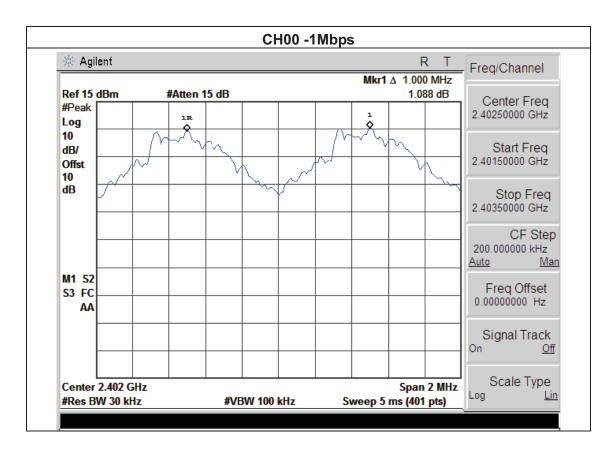
The EUT was programmed to be in continuously transmitting mode.



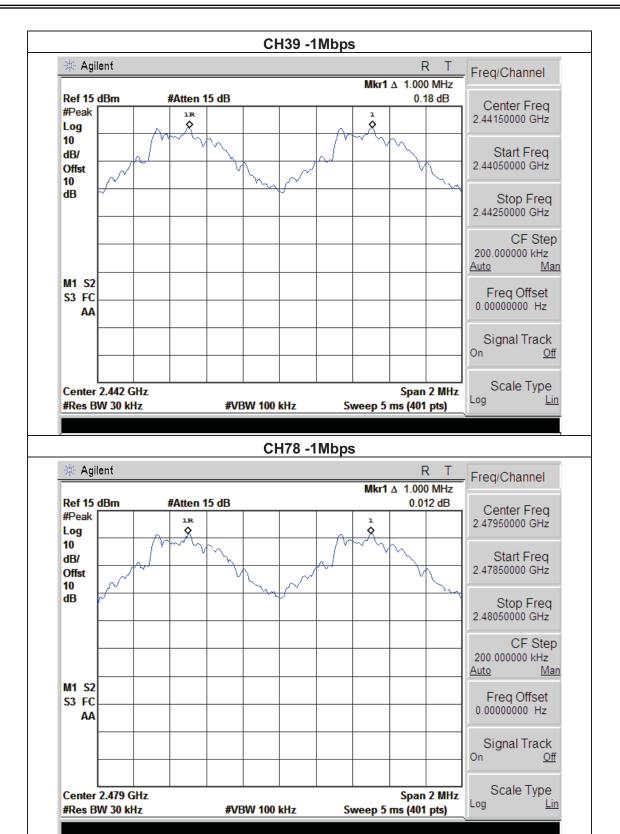
EUT:	21″2.0 sound stand	Model Name :	S2120w-E0
Temperature:	25 ℃	Relative Humidity:	60%
Pressure:	1012 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	CH00 / CH39 /CH78 (1Mbps Mode)		

Frequency	Ch. Separation (MHz)	Result
2402 MHz	1.000	Complies
2441 MHz	1.000	Complies
2480 MHz	1.000	Complies

Ch. Separation Limits: >20dB bandwidth





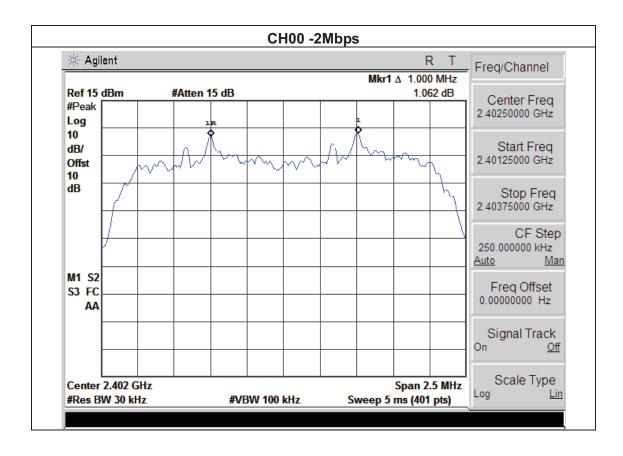




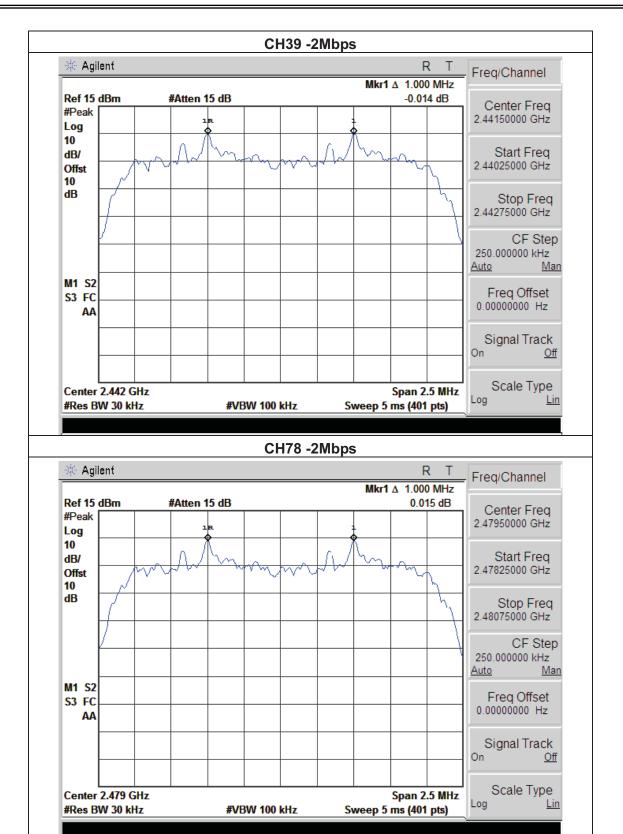
-			
EUT:	21″2.0 sound stand	Model Name :	S2120w-E0
Temperature:	25 ℃	Relative Humidity:	60%
Pressure:	1012 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	CH00 / CH39 /CH78 (2Mbps Mode)		

Frequency	Ch. Separation (MHz)	Result
2402 MHz	1.000	Complies
2441 MHz	1.000	Complies
2480 MHz	1.000	Complies

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





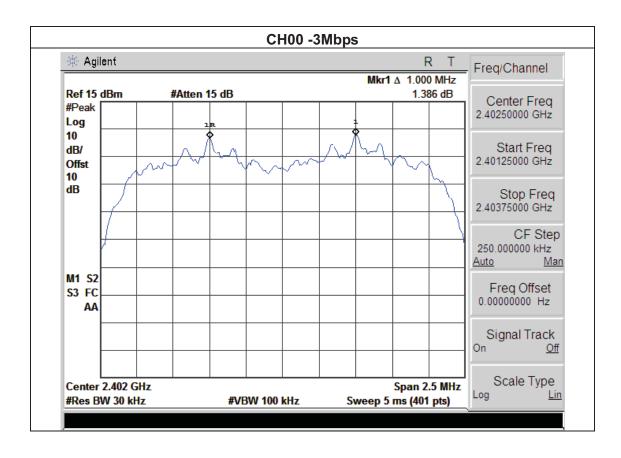




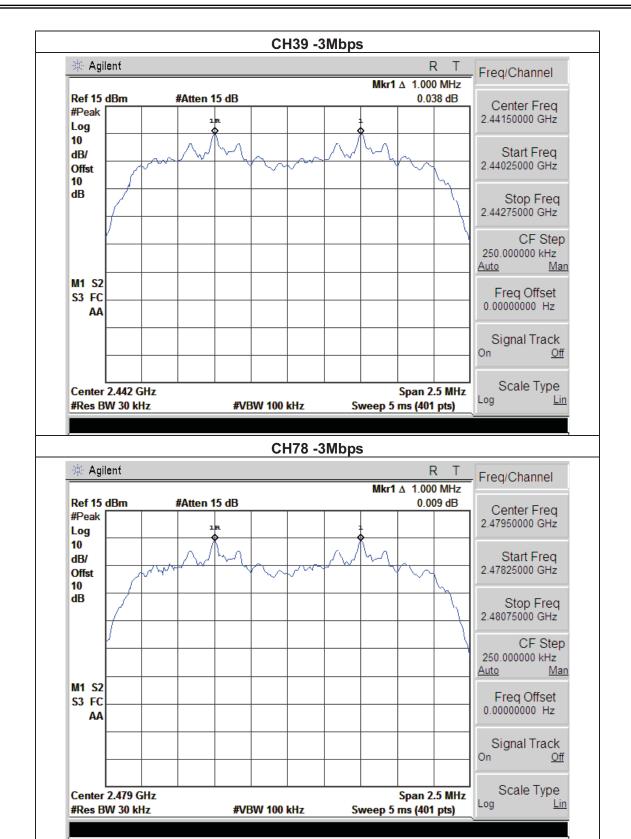
-			
EUT:	21"2.0 sound stand	Model Name :	S2120w-E0
Temperature:	25 ℃	Relative Humidity:	60%
Pressure:	1012 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	CH00 / CH39 /CH78 (3Mbps Mode)		

Frequency	Ch. Separation (MHz)	Result
2402 MHz	1.000	Complies
2441 MHz	1.000	Complies
2480 MHz	1.000	Complies

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









7. BANDWIDTH TEST

7.1 APPLIED PROCEDURES / LIMIT

	FCC Part15 (15.247) , Subpart C/ RSS-210				
Section Test Item Limit Frequency Range (MHz) Resul					Result
	15.247(a)(1)/ RSS-210§A8.1	Bandwidth	(20dB bandwidth)	2400-2483.5	PASS

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

7.1.1 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.

7.1.2 DEVIATION FROM STANDARD

No deviation.

7.1.3 TEST SETUP



7.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

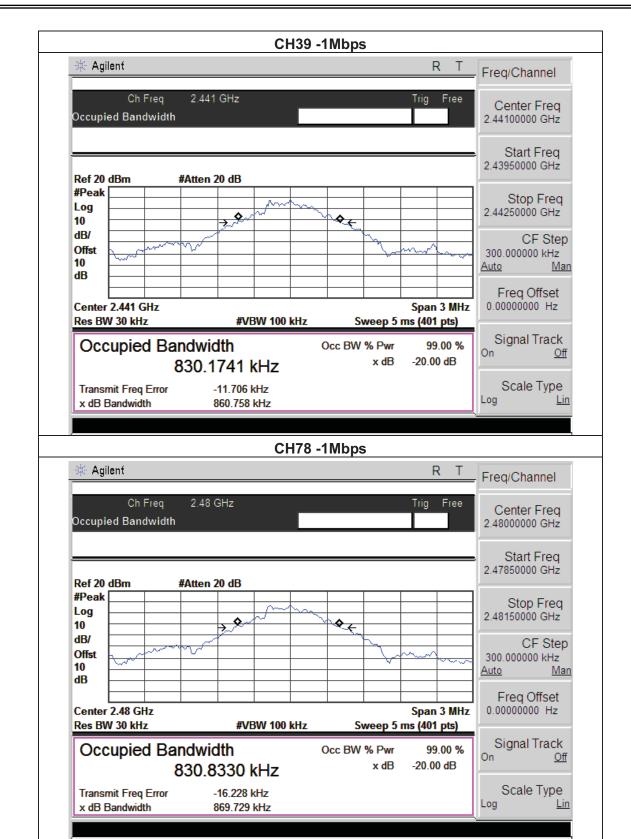


EUT:	21"2.0 sound stand	Model Name :	S2120w-E0
Temperature :	25 ℃	Relative Humidity:	60%
Pressure:	1012 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	CH00 / CH39 /C78(1Mbps)		

Frequency	20dB Bandwidth (kHz)	99% Bandwidth (kHz)	Result
2402 MHz	888.802	839.208	PASS
2441 MHz	860.758	830.174	PASS
2480 MHz	869.729	830.833	PASS



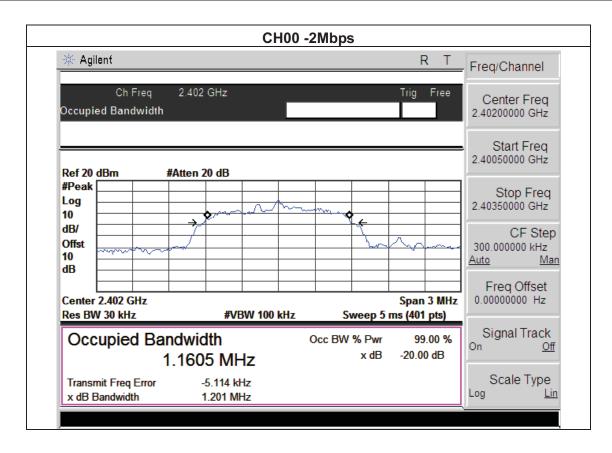




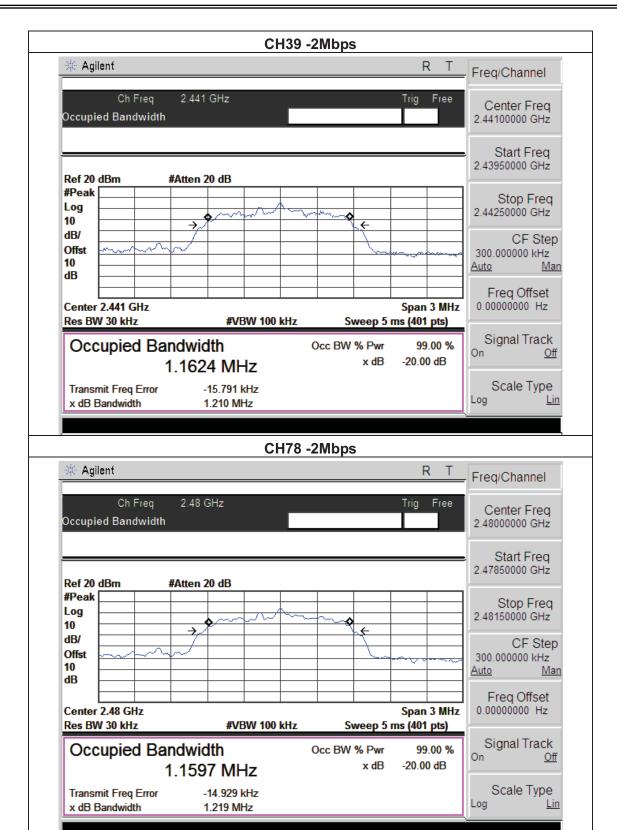


EUT:	21"2.0 sound stand	Model Name :	S2120w-E0
Temperature:	25 ℃	Relative Humidity:	60%
Pressure:	1012 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	CH00 / CH39 /C78 (2Mbps)		

Frequency	20dB Bandwidth (MHz)	99% Bandwidth (MHz)	Result
2402 MHz	1.201	1.161	PASS
2441 MHz	1.210	1.162	PASS
2480 MHz	1.219	1.160	PASS







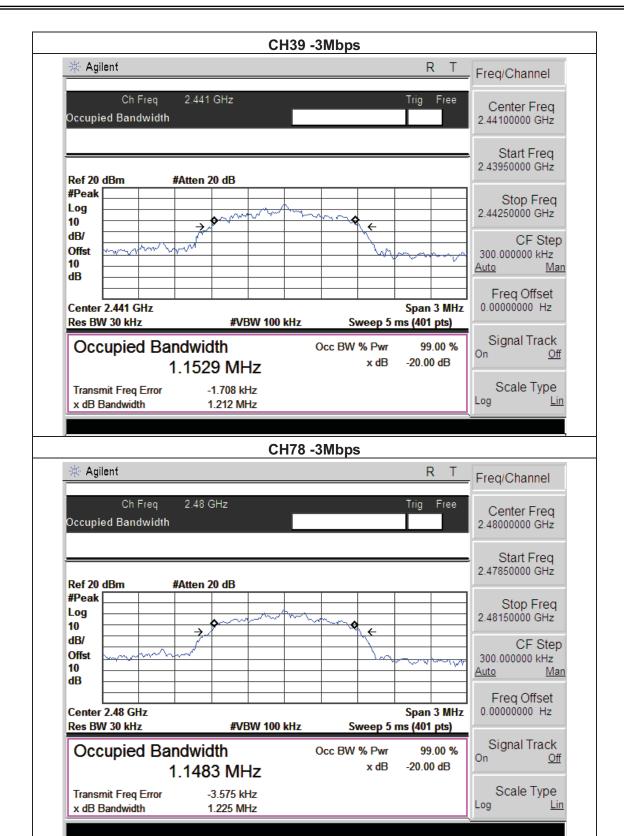


EUT:	21"2.0 sound stand	Model Name :	S2120w-E0
Temperature:	25 ℃	Relative Humidity:	60%
Pressure:	1012 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	CH00 / CH39 /C78(3Mbps)		

Frequency	20dB Bandwidth (MHz)	99% Bandwidth (MHz)	Result
2402 MHz	1.212	1.139	PASS
2441 MHz	1.212	1.153	PASS
2480 MHz	1.225	1.148	PASS









8. PEAK OUTPUT POWER TEST

8.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C/ RSS-210				
Section Test Item Limit Frequency Range (MHz) Result				Result
15.247(b)(i) / Peak Output 0.125 w or 2400-2483.5 PAS				

8.1.1 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 > the 20 dB bandwidth of the emission being measured

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

 $VBW \geq RBW$

Sweep = auto

Detector function = peak

Trace = max hold

8.1.2 DEVIATION FROM STANDARD

No deviation.

8.1.3 TEST SETUP

EUT	SPECTRUM	
	ANALYZER	

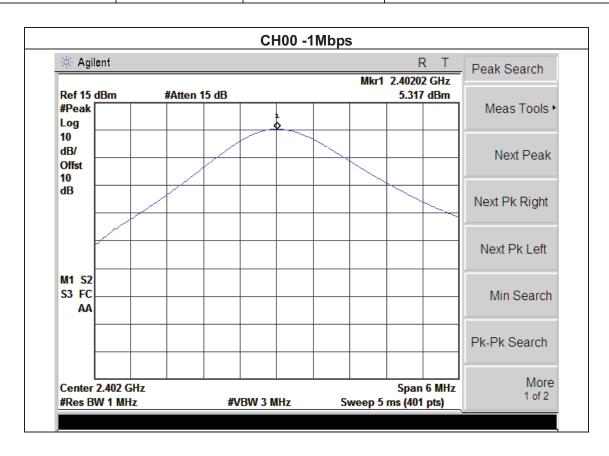
8.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

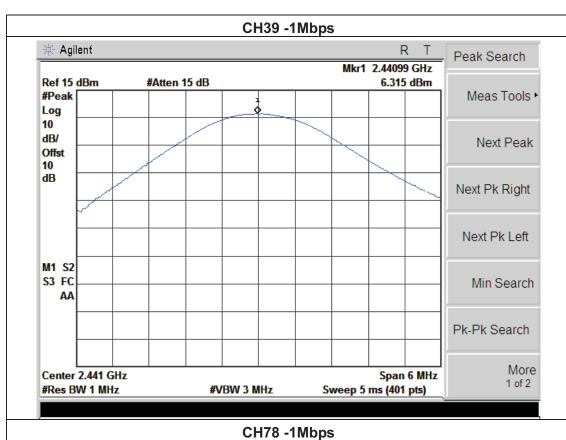


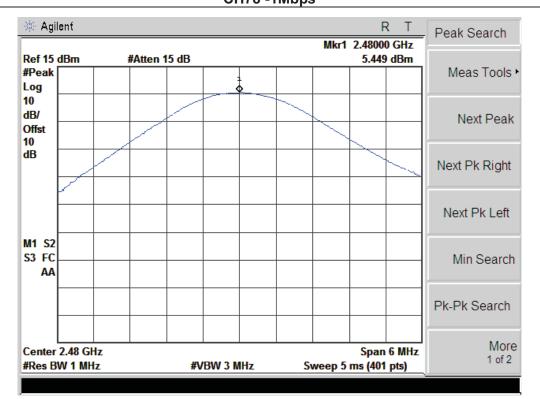
EUT:	21″2.0 sound stand	Model Name :	S2120w-E0
Temperature:	25 ℃	Relative Humidity:	60%
Pressure:	1012 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	CH00/ CH39 /CH78 (1M/2M/3Mbps Mode)		

1Mbps			
Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)
CH00	2402	5.317	30
CH39	2441	6.315	30
CH78	2480	5.449	30
		2Mbps	
CH00	2402	3.296	20.96
CH39	2441	6.403	20.96
CH78	2480	5.494	20.96
3Mbps			
CH00	2402	3.918	20.96
CH39	2441	6.809	20.96
CH78	2480	4.633	20.96

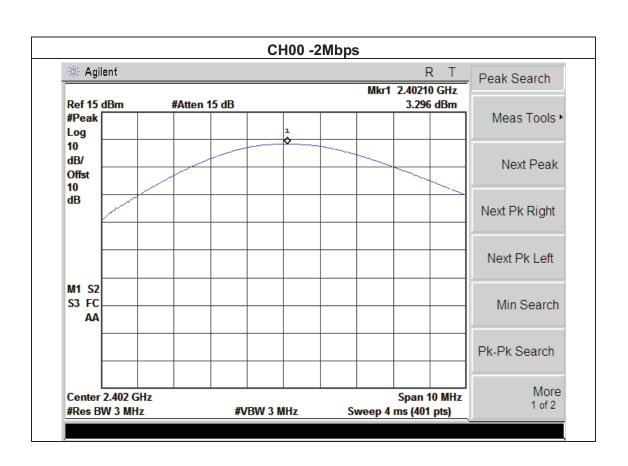




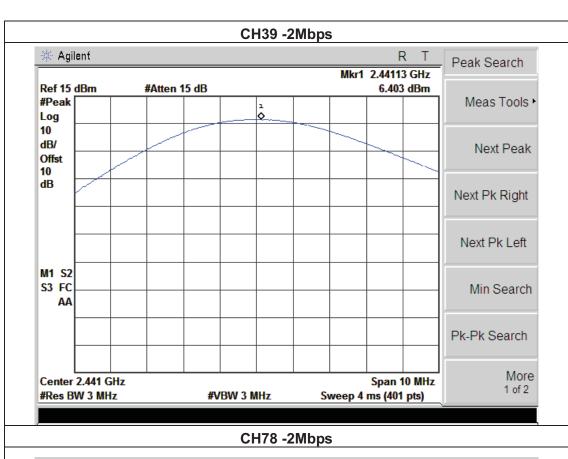


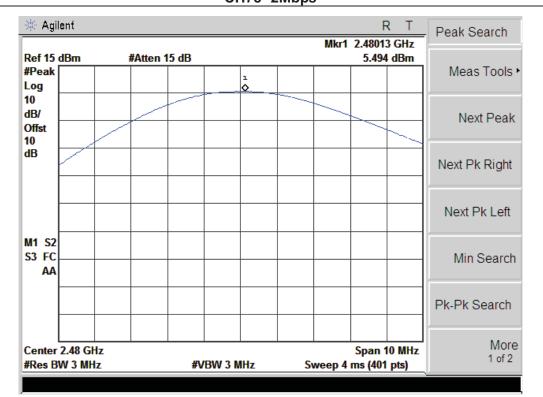




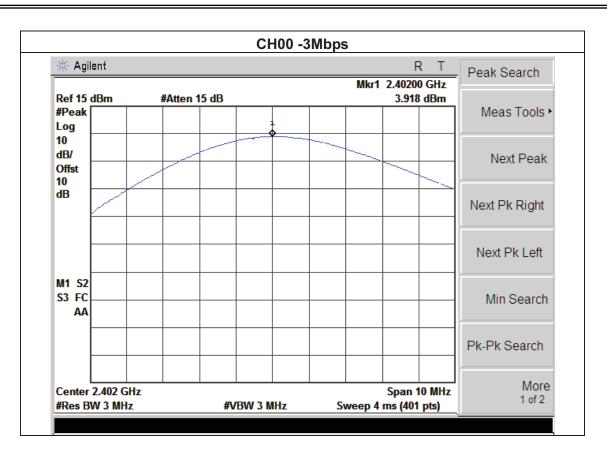




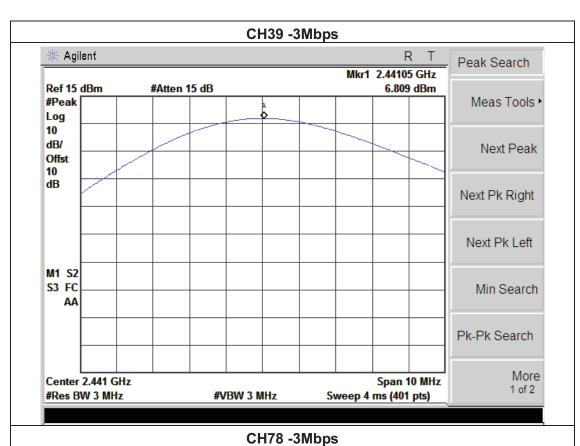


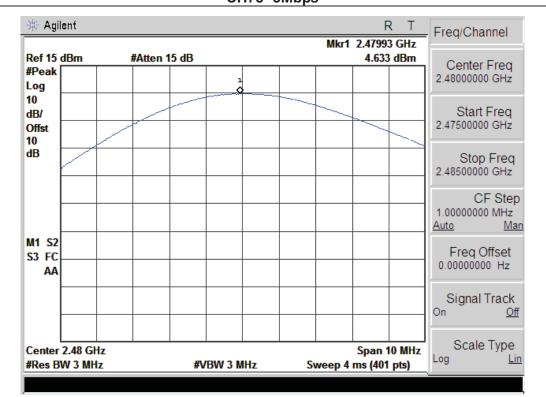














9. 100 KHZ BANDWIDTH OF FREQUENCY BAND EDGE APPLICABLE STANDARD

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

TEST PROCEDURE

- a) Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
- b) Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.
- c) Set RBW to 100 kHz and VBW of spectrum analyzer to 300 kHz with a convenient frequency span including 100 kHz bandwidth from band edge.
- d) Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.
- e) Repeat above procedures until all measured frequencies were complete.

9.1 DEVIATION FROM STANDARD

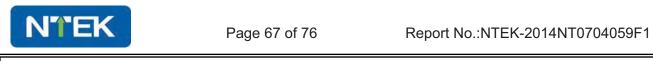
No deviation.

9.2 TEST SETUP

EUT	SPECTRUM	
	ANALYZER	

9.3 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

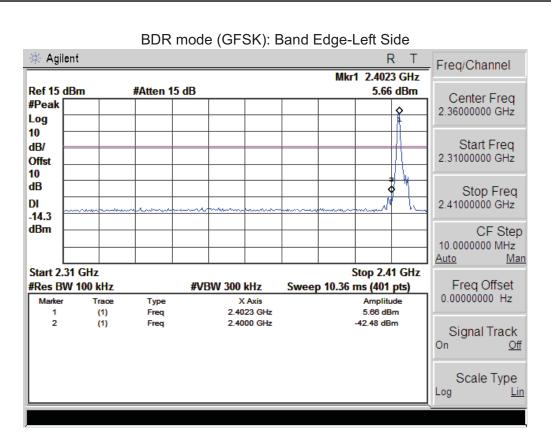


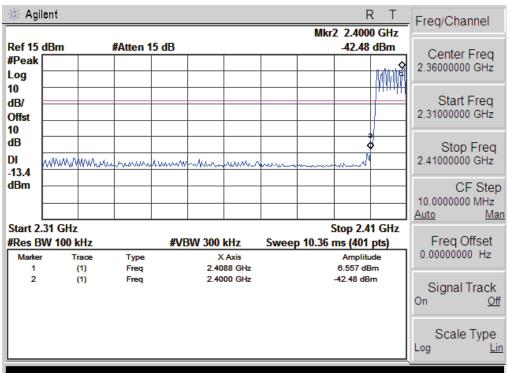
9.4 TEST RESULTS

EUT:	21"2.0 sound stand	Model Name :	S2120w-E0
Temperature:	25 ℃	Relative Humidity:	60%
Pressure:	1012 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	CH00/ CH78 (1M/2M/3Mbps M	ode)	

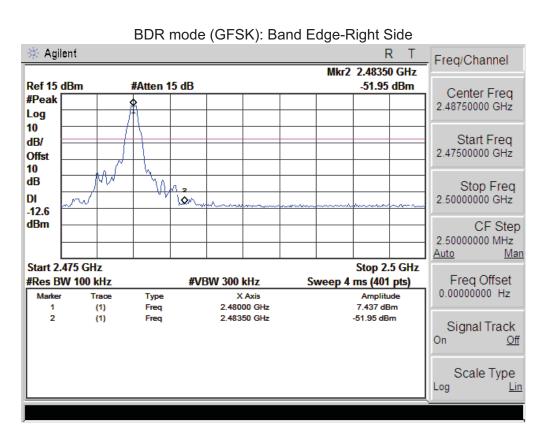
Frequency Band	Delta Peak to band emission (dBc)	>Limit (dBc)	Result	
	1Mbps Non-hopp	ing		
Left-band	48.14	20	Pass	
Right-band	59.39	20	Pass	
	2Mbps Non-hopp	ping		
Left-band	50.06	20	Pass	
Right-band	56.95	20	Pass	
3Mbps Non-hopping				
Left-band	50.87	20	Pass	
Right-band	55.16	20	Pass	
	1Mbps hopping	g		
Left-band	49.04	20	Pass	
Right-band	60.27	20	Pass	
2Mbps hopping				
Left-band	56.73	20	Pass	
Right-band	54.46	20	Pass	
3Mbps hopping				
Left-band	55.77	20	Pass	
Right-band	54.46	20	Pass	

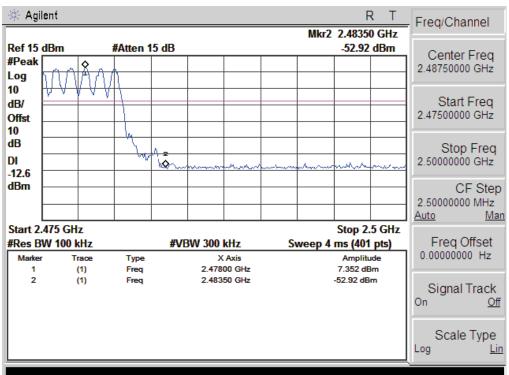




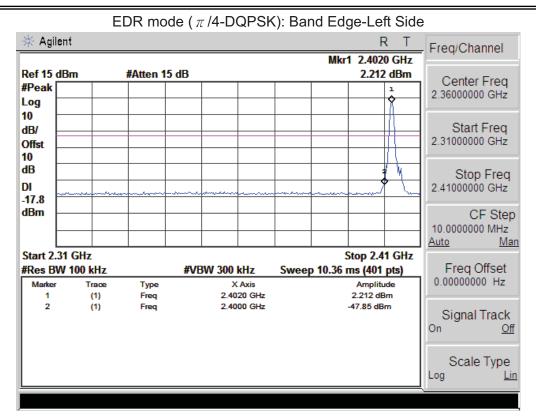


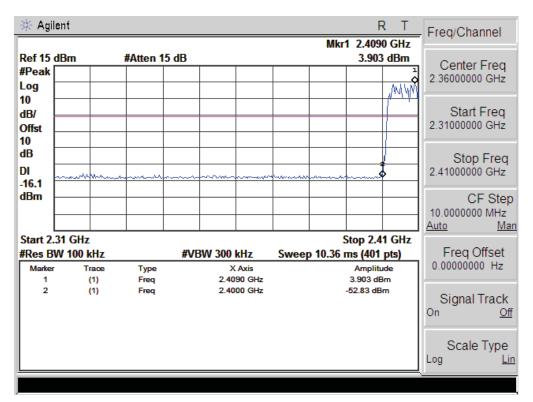




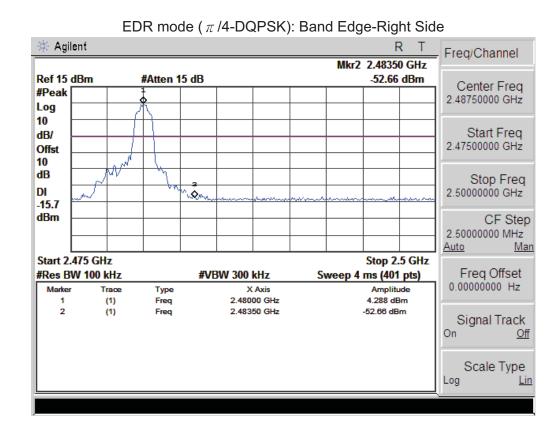


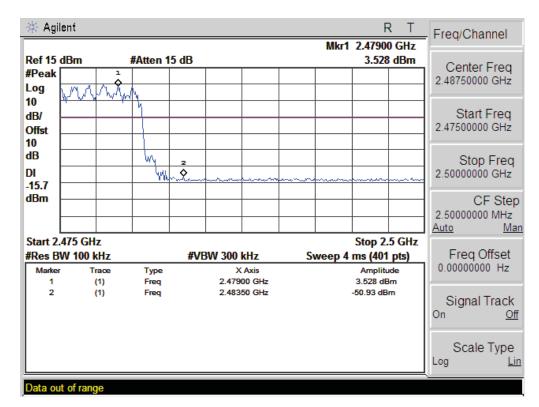




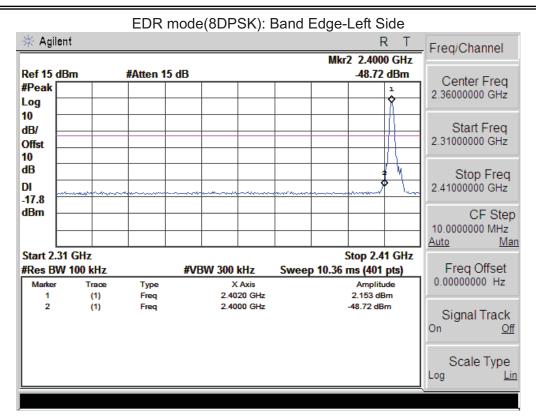


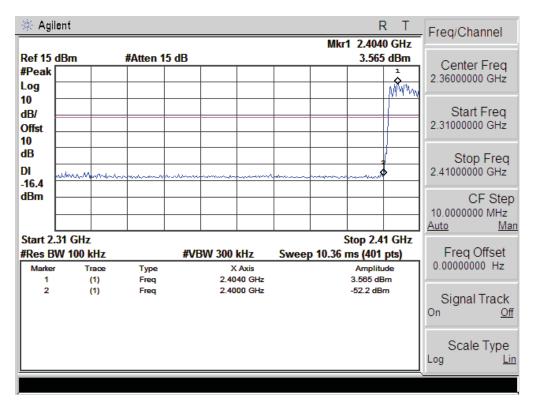




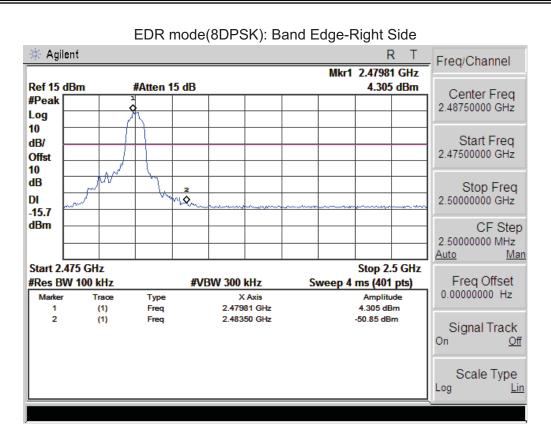


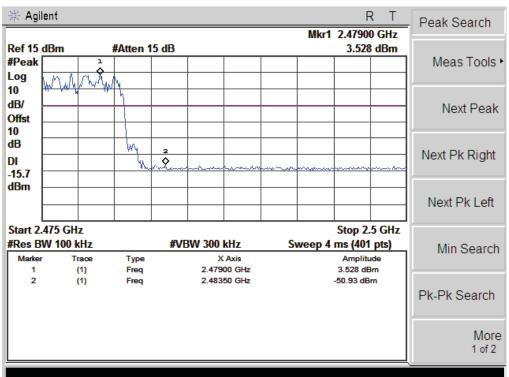














10. ANTENNA REQUIREMENT

10.1 STANDARD REQUIREMENT

15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

10.2 EUT ANTENNA

The EUT antenna is PCB Ar	ntenna. It comply	with the standard	requirement.



11. EUT TEST PHOTO



