



RADIO TESTREPORT

Report No.:STS1811226W01

Issued for

Binatone Electronics International Ltd.

Floor 23A, 9 Des Voeux Road West, Sheung Wan, Hong Kong

Product Name:	Baby Unit(2.8"/3.5"/5" Video Baby Monitor With Wi-Fi®; Wi-Fi® Home Video Camera)
Brand Name:	motorola
Model Name:	MBP667CONNECTBU
Series Model:	FOCUS67, FOCUS67-G, FOCUS67-W, MBP67CONNECT, MBP67CONNECT-G, MBP668CONNECTBU, MBP844CONNECTBU, MBP845CONNECTBU
FCC ID:	VLJ-FOCUS67G
IC ID:	4522A-FOCUS67G
HVIN:	FOCUS67G
Test Standard:	CFR47 FCC Part 15: Subpart C Section 15.247 CFR47 FCC Part 15: Subpart C Section 15.207 CFR47 FCC Part 15: Subpart C Section 15.209 CFR47 FCC Part 15: Subpart B Section 15.107 CFR47 FCC Part 15: Subpart B Section 15.109 RSS-247 Issue 2 February 2017 RSS-Gen Issue 5 April 2018 ICES-003 Issue 6 January 2016



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TEST RESULT CERTIFICATION

Applicant's name : **Binatone Electronics International Ltd.**
 Address : Floor 23A, 9 Des Voeux Road West, Sheung Wan, Hong Kong
Manufacture's Name : **VTech (Dongguan) Telecommunications Ltd.**
 Address : VTech Science Park Xia Ling Bei Management Zone, Liaobu, Dongguan, Guangdong 523411, China

Product description

Product Name : Baby Unit(2.8"/3.5"/5" Video Baby Monitor With Wi-Fi®; Wi-Fi® Home Video Camera)
 Brand Name..... : motorola
 Model Name : MBP667CONNECTBU
 Series Model..... : FOCUS67, FOCUS67-G, FOCUS67-W, MBP67CONNECT, MBP67CONNECT-G, MBP668CONNECTBU, MBP844CONNECTBU, MBP845CONNECTBU

Test Standards : CFR47 FCC Part 15: Subpart C Section 15.247
 CFR47 FCC Part 15: Subpart C Section 15.207
 CFR47 FCC Part 15: Subpart C Section 15.209
 CFR47 FCC Part 15: Subpart B Section 15.107
 CFR47 FCC Part 15: Subpart B Section 15.109
 RSS-247 Issue 2 February 2017
 RSS-Gen Issue 5 April 2018
 ICES-003 Issue 6 January 2016

Test procedure : ANSI C63.10: 2013, ANSI C63.4: 2014

This device described above has been tested by STS, the test results show that the equipment under test (EUT) is in compliance with the FCC/IC requirements. And it is applicable only to the tested sample identified in the report.

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Date of Test

Date (s) of performance of tests : 26 Nov. 2018 -11 Dec. 2018


Date of Issue : 12 Dec. 2018

Test Result..... : **Pass**

Testing Engineer :


 (Chris Chen)

Technical Manager :


 (Sunday Hu)

Authorized Signatory :


 (Vita Li)





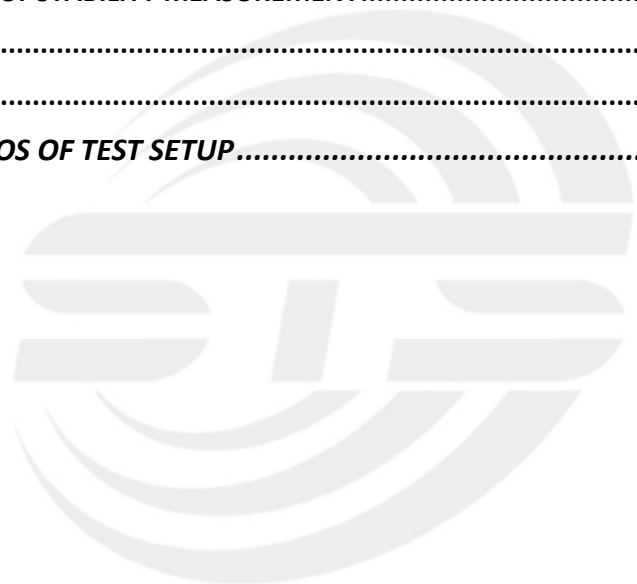
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**Revision History**

Rev.	Issue Date	Report NO.	Effect Page	Contents
00	12 Dec. 2018	STS1811226W01	ALL	Initial Issue





1 SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

KDB 558074 D01 DTS Meas Guidance v05

FCC Part 15, Subpart C RSS-247 Issue 2			
Standard Section	Test Item	Judgment	Remark
FCC Part 15.207(a) RSS-Gen Clause 8.8	Conducted Emission	PASS	
FCC Part 15.247(a)(2) RSS-247 Clause 5.2(a)	6dB Bandwidth	PASS	
RSS-Gen Clause 6.7	99% Bandwidth	PASS	
FCC Part 15.247(b)(3) RSS-247 Clause 5.4(d)	Output Power	PASS	
FCC Part 15.247(d) RSS-247 Clause 3.3	Radiated Spurious Emission	PASS	
FCC Part 15.247(d) RSS-247 Clause 5.5	Conducted Spurious & Band Edge Emission	PASS	
FCC Part 15.247(e) RSS-247 Clause 5.2(b)	Power Spectral Density	PASS	
FCC Part 15.205	Restricted Band Edge Emission	PASS	
FCC Part 15.247(d)&15.209(a) RSS-247 Clause 5.5	Band Edge Emission	PASS	
FCC Part 15.247(b)(4) &15.203	Antenna Requirement	PASS	
RSS-Gen Clause 6.11	Frequency Stability	PASS	

FCC Part 15, Subpart B ICES-003 Issue 6			
Standard Section	Test Item	Judgment	Remark
FCC Part 15.107(a) ICES-003	Conducted Emission	PASS	Class B limit
FCC Part 15.109(a) ICES-003	Radiated Emission	PASS	Class B limit

NOTE:

- 1) 'N/A' denotes test is not applicable in this test report
- 2) All tests were performed according to the procedures in ANSI C63.10: 2013 and ANSI C63.4: 2014.



1.1 TEST FACTORY

Shenzhen STS Test Services Co., Ltd.
Add.: 1/F., Building B, Zhuoke Science Park, No.190,Chongqing Road, Fuyong Street, Bao'an District, Shenzhen, Guangdong,China

FCC Registration No.: 625569

IC Registration No.: 12108A

A2LA Certificate No.: 4338.01

1.2 MEASUREMENT UNCERTAINTY

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

No.	Item	Uncertainty
1	RF output power,conducted	± 0.71 dB
2	Unwanted Emissions,conducted	± 0.63 dB
3	All emissions,radiated 30-200MHz	± 3.43 dB
4	All emissions,radiated 200MHz-1GHz	± 3.57 dB
5	All emissions,radiated>1G	± 4.13 dB
6	Conducted Emission(9KHz-150KHz)	± 3.18 dB
7	Conducted Emission(150KHz-30MHz)	± 2.70 dB



2 GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Product Name	Baby Unit(2.8"/3.5"/5" Video Baby Monitor With Wi-Fi®; Wi-Fi® Home Video Camera)	
Trade Name	motorola	
Model Name	MBP667CONNECTBU	
Series Model	FOCUS67, FOCUS67-G, FOCUS67-W, MBP67CONNECT, MBP67CONNECT-G, MBP668CONNECTBU, MBP844CONNECTBU, MBP845CONNECTBU	
Model Difference	All models are fully identical except model name.	
Product Description	The EUT is a baby unit of one of the Video Baby Monitor With Wi-Fi® or Wi-Fi® Home Video Camera which supports 2.4GHz FHSS and Wi-Fi 802.11 b/g/n wireless technologies. This report for 2.4GHz Wi-Fi b/g/n operation only.	
	Operation Frequency:	2412 - 2462 MHz for 802.11b/g/n(HT20) 2422 - 2452 MHz for 802.11n(HT40)
	Modulation Type:	DSSS(DBPSK/DQPSK/CCK) OFDM(BPSK/QPSK/16QAM/64QAM)
	Bit Rate of Transmitter:	1/2/5.5/11 Mbps for 802.11b 6/9/12/18/24/36/48/54 Mbps for 802.11g MCS0 ~ MCS7 for 802.11n
	Number Of Channel:	11 channels for 802.11b/g/n(HT20) 7 channels for 802.11n(HT40)
	Antenna Designation:	Please see Note 4
	AntennaGain(dBi):	0dBi
	Duty Cycle:	>98%
Channel List	Please refer to the Note 2.	
Adapter 1#	Model: S005BNU0500100 (Tenpao) Input: AC 100-240V~50/60Hz, 0.15A Output: DC 5.0V@1000mA	
Adapter 2#	Model: BLJ06W050100P1-U (BLJ) Input: AC 100-240V~50/60Hz, 0.2A Output: DC 5.0V@1000mA	
Battery	N/A	
Hardware version	N/A	
Software version	N/A	
RF Power Setting TEST Software (power class)	1	



Note:

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

2

RF Channel and Frequency of Wi-Fi 802.11 b/g/n			
802.11b/g/n (HT20)		802.11n (HT40)	
RF Channel	Freq.(MHz)	RF Channel	Freq.(MHz)
01	2412	03	2422
02	2417	04	2427
03	2422	05	2432
04	2427	06	2437
05	2432	07	2442
06	2437	08	2447
07	2442	09	2452
08	2447	/	/
09	2452	/	/
10	2457	/	/
11	2462	/	/

3 Note:

- 1) In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test;
- 2) Test frequencies are lowest channel: 2412 MHz, middle channel: 2437 MHz and highest channel: 2462 MHz for 802.11b/g/n(HT20)
- 3) Test frequencies are lowest channel: 2422 MHz, middle channel: 2437 MHz and highest channel: 2452 MHz for 802.11n(HT40)

4

Ant	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	NOTE
1	N/A	MBP667CONNEC TBU	Integral Antenna	N/A	0	WLAN Antenna



2.2 DESCRIPTION OF TEST MODES

Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Worst Mode	Description	Data Rate
Mode 1	TX IEEE 802.11b CH1	1 Mbps
Mode 2	TX IEEE 802.11b CH6	1 Mbps
Mode 3	TX IEEE 802.11 b CH11	1 Mbps
Mode 4	TX IEEE 802.11g CH1	6 Mbps
Mode 5	TX IEEE 802.11g CH6	6 Mbps
Mode 6	TX IEEE 802.11g CH11	6 Mbps
Mode 7	TX IEEE 802.11n HT20 CH1	MCS 0
Mode 8	TX IEEE 802.11n HT20 CH6	MCS 0
Mode 9	TX IEEE 802.11n HT20 CH11	MCS 0
Mode 10	TX IEEE 802.11n HT40 CH3	MCS 0
Mode 11	TX IEEE 802.11n HT40 CH6	MCS 0
Mode 12	TX IEEE 802.11n HT40 CH9	MCS 0
Mode13	Wi-Fi transmitting mode	/
Mode 14	Operating mode	/

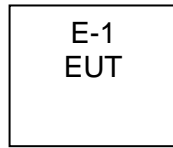
Note:

- 1) The measurements are performed at all Bit Rate of Transmitter, the worst data was reported
- 2) We have be tested for all avaiable U.S. voltage and frequencies(For 120V,50/60Hz and 240V, 50/60Hz) for which the device is capable of operation, and the worst case of 120V/60Hz is shown in the report
- 3) Controlled using a bespoke application on the laptop PC supplied by the customer. The application was used to enable a continuous transmission mode and to select the test channels, data rates and modulation schemes as required.

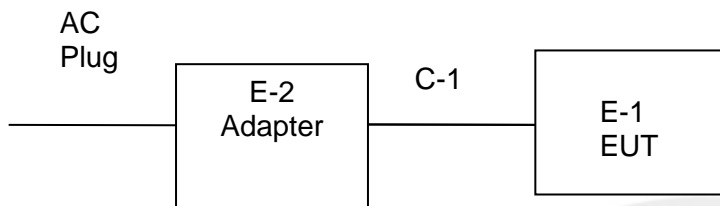


2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Radiation Test Set



Conduction Test Set



2.4 DESCRIPTION OF NECESSARY ACCESSORIES AND 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.	Serial No.	Note
E-2	Adapter	Tenpao	S005BNU0500100	N/A	Accessories Equipment
E-2	Adapter	BLJ	BLJ06W050100P1-U	N/A	
E-3	Personal computer	HP	500-320cx	4CV428DQYN	Auxiliary Equipment

Item	Shielded Type	Ferrite Core	Length	Note
C-1	Adapter DC Cable	NO	200cm	N/A

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 『Length』 column.
- 3) “YES” is means “shielded” “with core”; “NO” is means “unshielded” “without core”.



2.5 EQUIPMENTS LIST

Radiation Test Equipment

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibration	Calibrated Until
Test Receiver	R&S	ESCI	101427	2018.10.13	2019.10.12
Bilog Antenna	TESEQ	CBL6111D	34678	2019.10.31	2020.11.01
Horn Antenna	Schwarzbeck	BBHA 9120D(1201)	9120D-1343	2018.10.11	2019.10.12
SHF-EHF Horn Antenna (18G-40GHz)	A-INFO	LB-180400-KF	N/A	2018.03.11	2021.03.10
Temperature & Humidity	HH660	Mieo	N/A	2018.10.09	2019.10.10
Temperature & Humidity	HH660	Mieo	N/A	2018.10.09	2019.10.10
Pre-mpifier (0.1M-3GHz)	EM	EM330	N/A	2018.03.09	2019.03.08
PreAmplifier (1G-18GHz)	SKET	LNPA-01018G-45	SK201808090 1	2018.10.13	2019.10.12
Passive Loop (9K--30MHz)	ZHINAN	ZN30900C	16035	2017.03.11	2020.03.10
Low frequency cable	EM	R01	N/A	2018.10.13	2019.10.12
Low frequency cable	EM	R06	N/A	2018.10.13	2019.10.12
High frequency cable	SCHWARZBECK	R04	N/A	2018.10.13	2019.10.12
High frequency cable	SCHWARZBECK	R02	N/A	2018.10.13	2019.10.12
Semi-anechoic chamber	Changling	966	N/A	2018.10.24	2020.10.23
trun table	EM	SC100_1	60531	N/A	N/A
Antnna mast	EM	SC100	N/A	N/A	N/A
Max-full Antenna Corp	MF	MFA-440H	N/A	N/A	N/A

Conduction Test Equipment

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibration	Calibrated Until
Test Receiver	R&S	ESCI	101427	2018.10.13	2019.10.12
LISN	R&S	ENV216	101242	2018.10.13	2019.10.12
conduction Cable	EM	C01	N/A	2018.10.13	2019.10.12
Temperature & Humidity	Mieo	HH660	N/A	2018.10.09	2019.10.10



RF Connected Test

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibration	Calibrated Until
USB RF power sensor	DARE	RPR3006W	15I00041SNO03	2018.10.13	2019.10.12
Spectrum Analyzer	Agilent	N9020A	MY51110105	2018.03.08	2019.03.07
Spectrum Analyzer	Agilent	N9020A	MY49100060	2018.10.13	2019.10.12

Note:

The temporary antenna connector is soldered on the PCB board in order to perform conducted tests and this temporary antenna connector is listed in the equipment list.





3 EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

3.1.1 POWER LINE CONDUCTED EMISSION LIMITS

operating frequency band. In case the emission fall within the restricted band specified on Part 15. 207(a), 107(a), RSS-Gen Table3 and ICES-003 Table2 limit in the table below has to be followed.

This item was performed according to the procedures in ANSI C63.10: 2013 and ANSI C63.4: 2014.

FREQUENCY (MHz)	Conducted Emissionlimit (dBuV)	
	Quasi-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

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

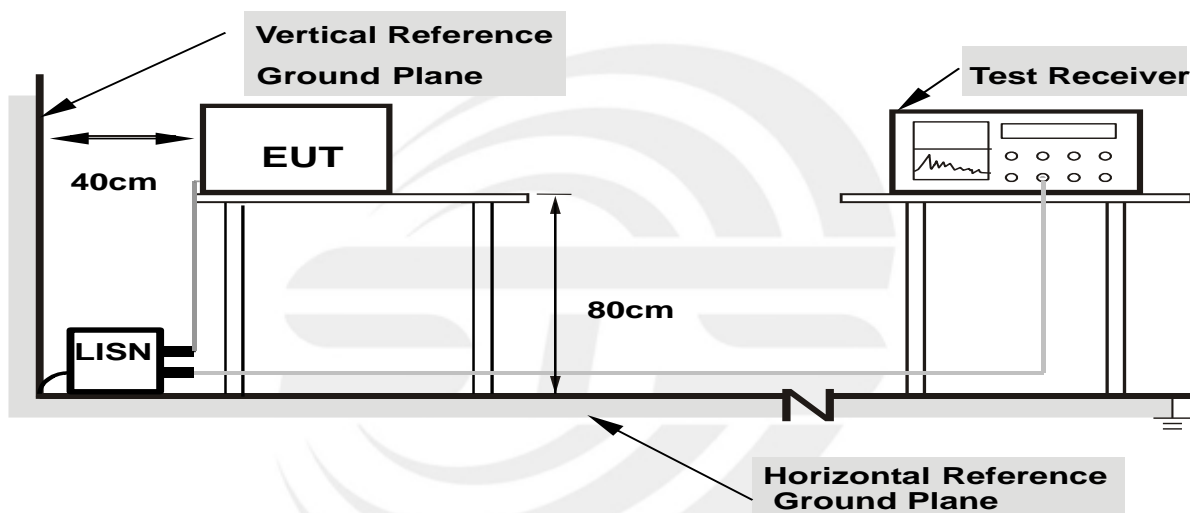
Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz



3.1.2 TEST PROCEDURE

- The EUT was 0.8 meters from the horizontal ground plane and 0.4 meters from the vertical 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.
- 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.
- 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.
- LISN at least 80 cm from nearest part of EUT chassis.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

3.1.3 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

3.1.4 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.



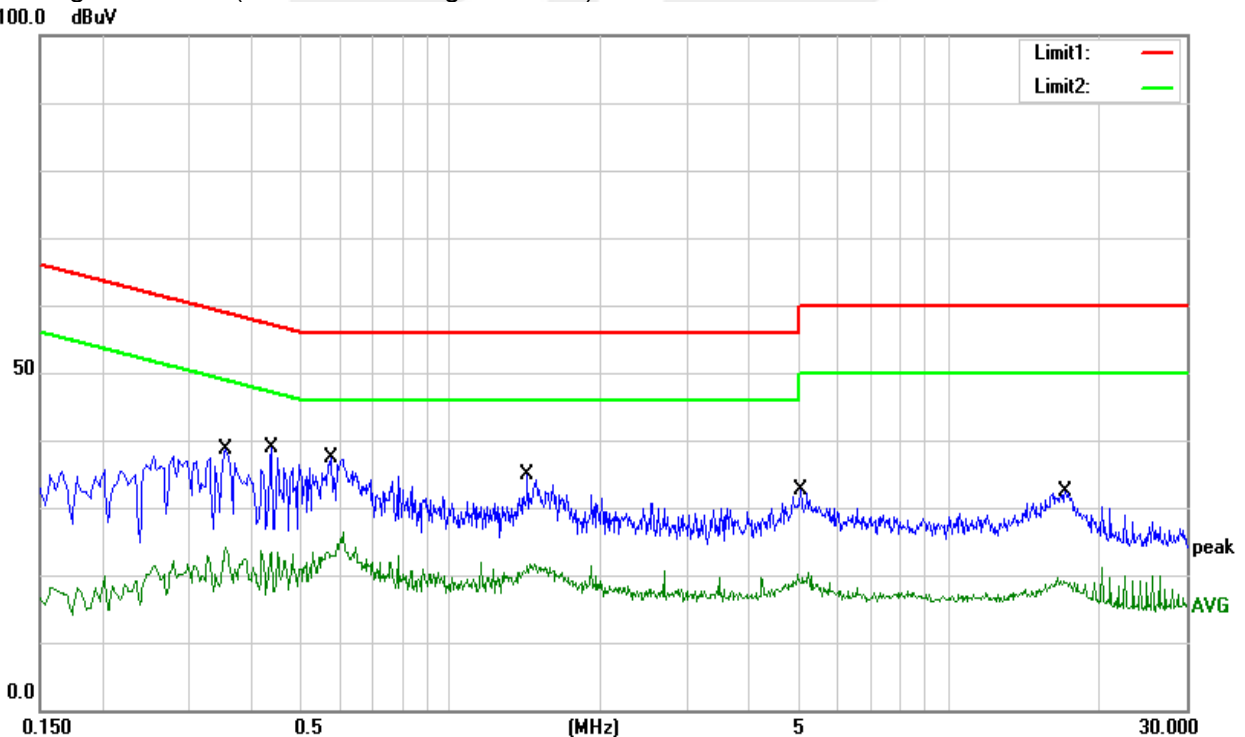
3.1.5 TEST RESULT

Temperature:	24.2°C	Relative Humidity:	56%
Test Voltage:	AC 120V/60Hz	Phase:	L
Test Mode:	Mode 13		
Note:	Tenpao		

Frequency (MHz)	Reading (dBUV)	Correct Factor(dB)	Result (dBUV)	Limit (dBUV)	Margin (dB)	Remark
0.3540	18.11	20.60	38.71	58.87	-20.16	QP
0.3540	3.62	20.60	24.22	48.87	-24.65	AVG
0.4380	18.34	20.49	38.83	57.10	-18.27	QP
0.4380	2.97	20.49	23.46	47.10	-23.64	AVG
0.5780	16.88	20.40	37.28	56.00	-18.72	QP
0.5780	6.07	20.40	26.47	46.00	-19.53	AVG
1.4260	14.85	20.12	34.97	56.00	-21.03	QP
1.4260	1.53	20.12	21.65	46.00	-24.35	AVG
5.0580	12.76	19.95	32.71	60.00	-27.29	QP
5.0580	0.31	19.95	20.26	50.00	-29.74	AVG
17.1300	12.31	19.96	32.27	60.00	-27.73	QP
17.1300	1.08	19.96	21.04	50.00	-28.96	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Margin = Result (Result = Reading + Factor) – Limit





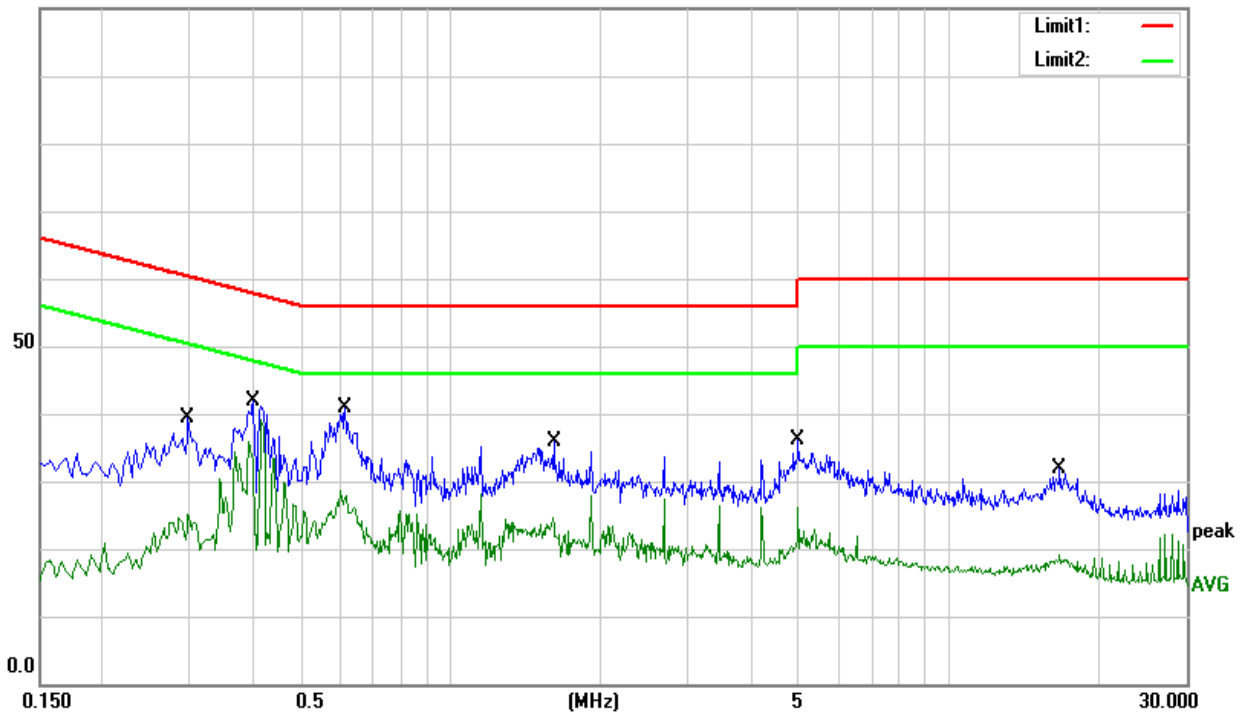
Temperature:	24.2°C	Relative Humidity:	56%
Test Voltage:	AC 120V/60Hz	Phase:	N
Test Mode:	Mode 13		
Note:	Tenpao		

Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
0.2980	18.61	20.71	39.32	60.30	-20.98	QP
0.2980	4.48	20.71	25.19	50.30	-25.11	AVG
0.4020	21.26	20.49	41.75	57.81	-16.06	QP
0.4020	18.69	20.49	39.18	47.81	-8.63	AVG
0.6140	20.52	20.35	40.87	56.00	-15.13	QP
0.6140	8.27	20.35	28.62	46.00	-17.38	AVG
1.6140	15.74	20.10	35.84	56.00	-20.16	QP
1.6140	7.75	20.10	27.85	46.00	-18.15	AVG
4.9900	16.24	19.95	36.19	56.00	-19.81	QP
4.9900	6.11	19.95	26.06	46.00	-19.94	AVG
16.6980	11.90	19.97	31.87	60.00	-28.13	QP
16.6980	-0.92	19.97	19.05	50.00	-30.95	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Margin = Result (Result =Reading + Factor)–Limit

100.0 dBuV



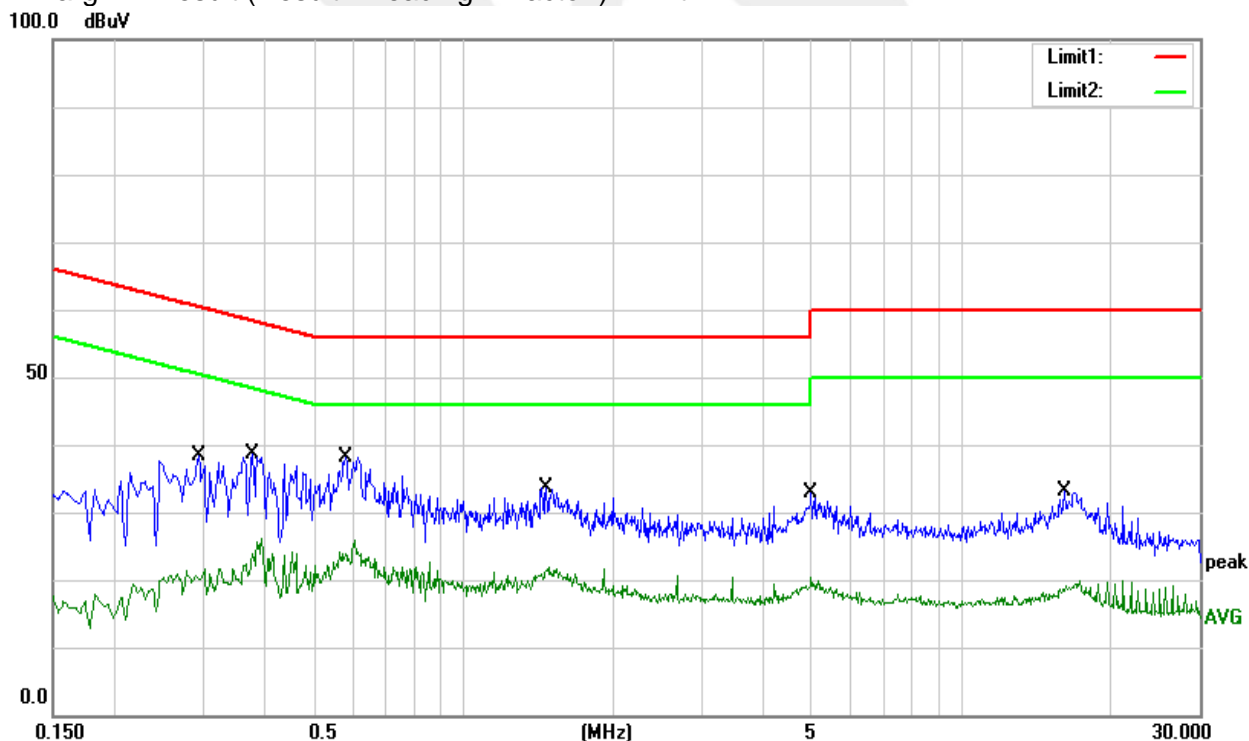


Temperature:	24.2 °C	Relative Humidity:	56%
Test Voltage:	AC 120V/60Hz	Phase:	N
Test Mode:	Mode 14 (Part 15B & ICES-003)		
Note:	Tenpao		

Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
0.2940	17.59	20.69	38.28	60.41	-22.13	QP
0.2940	0.86	20.69	21.55	50.41	-28.86	AVG
0.3780	18.19	20.55	38.74	58.32	-19.58	QP
0.3780	5.48	20.55	26.03	48.32	-22.29	AVG
0.5820	17.86	20.39	38.25	56.00	-17.75	QP
0.5820	5.47	20.39	25.86	46.00	-20.14	AVG
1.4700	13.55	20.11	33.66	56.00	-22.34	QP
1.4700	1.56	20.11	21.67	46.00	-24.33	AVG
4.9940	13.02	19.95	32.97	56.00	-23.03	QP
4.9940	0.37	19.95	20.32	46.00	-25.68	AVG
16.1020	13.06	19.97	33.03	60.00	-26.97	QP
16.1020	-0.14	19.97	19.83	50.00	-30.17	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Margin = Result (Result =Reading + Factor)–Limit



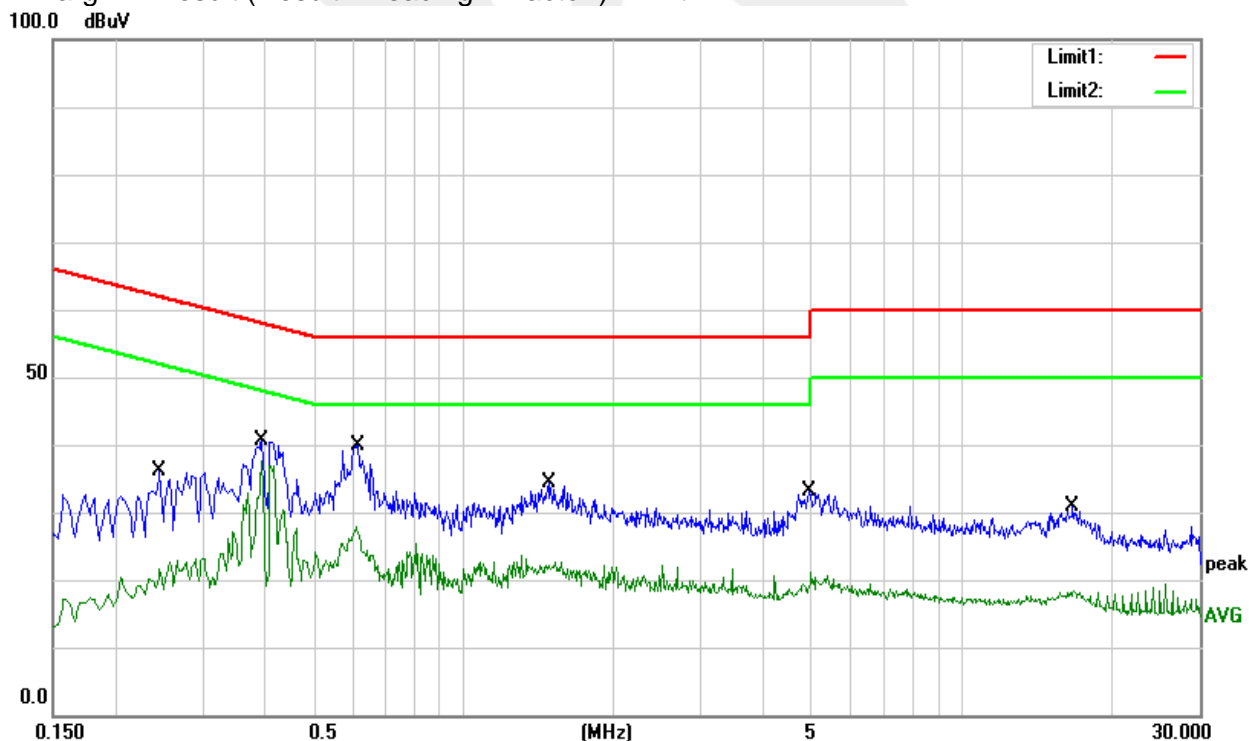


Temperature:	24.2 °C	Relative Humidity:	56%
Test Voltage:	AC 120V/60Hz	Phase:	L
Test Mode:	Mode 14 (Part 15B& ICES-003)		
Note:	Tenpao		

Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
0.2460	15.58	20.52	36.10	61.89	-25.79	QP
0.2460	2.28	20.52	22.80	51.89	-29.09	AVG
0.3940	20.12	20.54	40.66	57.98	-17.32	QP
0.3940	17.05	20.54	37.59	47.98	-10.39	AVG
0.6140	19.55	20.34	39.89	56.00	-16.11	QP
0.6140	7.57	20.34	27.91	46.00	-18.09	AVG
1.4860	14.23	20.15	34.38	56.00	-21.62	QP
1.4860	2.60	20.15	22.75	46.00	-23.25	AVG
4.9300	13.07	20.03	33.10	56.00	-22.90	QP
4.9300	1.11	20.03	21.14	46.00	-24.86	AVG
16.7420	10.98	19.87	30.85	60.00	-29.15	QP
16.7420	-0.60	19.87	19.27	50.00	-30.73	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Margin = Result (Result =Reading + Factor)–Limit





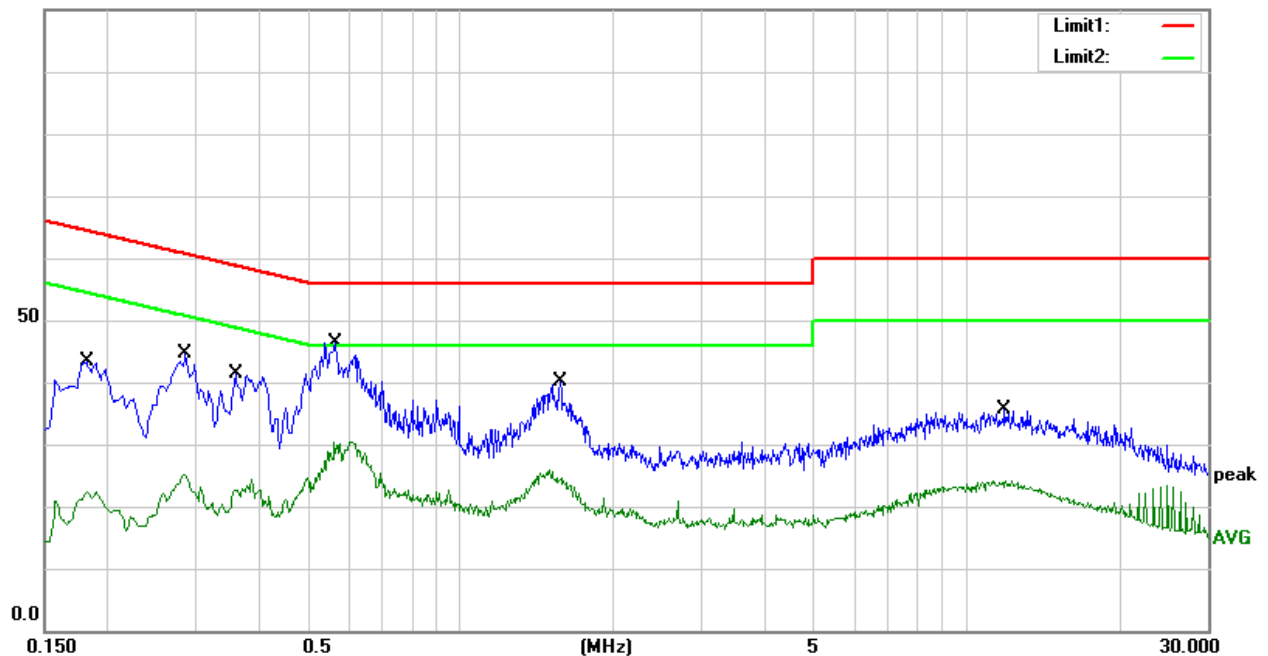
Temperature:	24.2 °C	Relative Humidity:	56%
Test Voltage:	AC 120V/60Hz	Phase:	N
Test Mode:	Mode 14 (Part 15B & ICES-003)		
Note:	BLJ		

Frequency (MHz)	Reading (dBUV)	Correct Factor(dB)	Result (dBUV)	Limit (dBUV)	Margin (dB)	Remark
0.1820	23.00	20.28	43.28	64.39	-21.11	QP
0.1820	2.16	20.28	22.44	54.39	-31.95	AVG
0.2860	23.97	20.70	44.67	60.64	-15.97	QP
0.2860	4.36	20.70	25.06	50.64	-25.58	AVG
0.3580	20.68	20.62	41.30	58.77	-17.47	QP
0.3580	3.65	20.62	24.27	48.77	-24.50	AVG
0.5660	26.11	20.38	46.49	56.00	-9.51	QP
0.5660	10.10	20.38	30.48	46.00	-15.52	AVG
1.5700	19.90	20.15	40.05	56.00	-15.95	QP
1.5700	5.63	20.15	25.78	46.00	-20.22	AVG
11.8860	15.87	19.84	35.71	60.00	-24.29	QP
11.8860	4.41	19.84	24.25	50.00	-25.75	AVG

Remark:

- All readings are Quasi-Peak and Average values.
- Margin = Result (Result =Reading + Factor)–Limit

100.0 dBUV



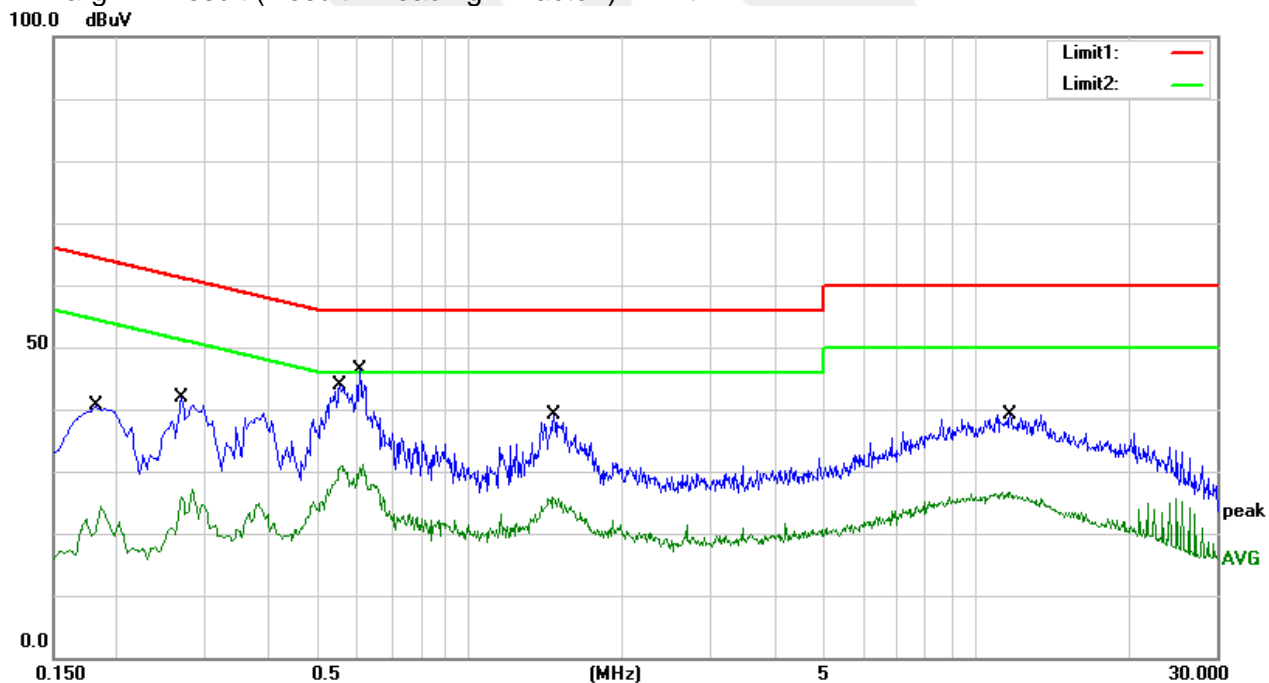


Temperature:	24.2 °C	Relative Humidity:	56%
Test Voltage:	AC 120V/60Hz	Phase:	L
Test Mode:	Mode 14 (Part 15B& ICES-003)		
Note:	BLJ		

Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
0.1820	20.29	20.28	40.57	64.39	-23.82	QP
0.1820	4.13	20.28	24.41	54.39	-29.98	AVG
0.2700	21.33	20.63	41.96	61.12	-19.16	QP
0.2700	6.55	20.63	27.18	51.12	-23.94	AVG
0.5540	23.36	20.39	43.75	56.00	-12.25	QP
0.5540	10.51	20.39	30.90	46.00	-15.10	AVG
0.6060	25.95	20.35	46.30	56.00	-9.70	QP
0.6060	10.74	20.35	31.09	46.00	-14.91	AVG
1.4700	19.10	20.15	39.25	56.00	-16.75	QP
1.4700	5.82	20.15	25.97	46.00	-20.03	AVG
11.6980	19.34	19.85	39.19	60.00	-20.81	QP
11.6980	6.74	19.85	26.59	50.00	-23.41	AVG

Remark:

- All readings are Quasi-Peak and Average values.
- Margin = Result (Result =Reading + Factor)–Limit





3.2 RADIATED EMISSION MEASUREMENT

3.2.1 RADIATED EMISSION LIMITS

Frequencies (MHz)	Class A (at 10m) dBuV/m	Class B (at 3m) dBuV/m
30~88	39.0	40.0
88~216	43.5	43.5
216~960	46.5	46.0
Above 960	49.5	54.0

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

FREQUENCY (MHz)	Class A (dBuV/m) (at 3M)		Class B (dBuV/m) (at 3M)	
	PEAK	AVERAGE	PEAK	AVERAGE
Above 1000	80	60	74	54

Note:

- 1) The tighter limit applies at the band edges.
- 2) Emission level (dBuV/m)=20log Emission level (uV/m).

3.2.2 TEST PROCEDURE

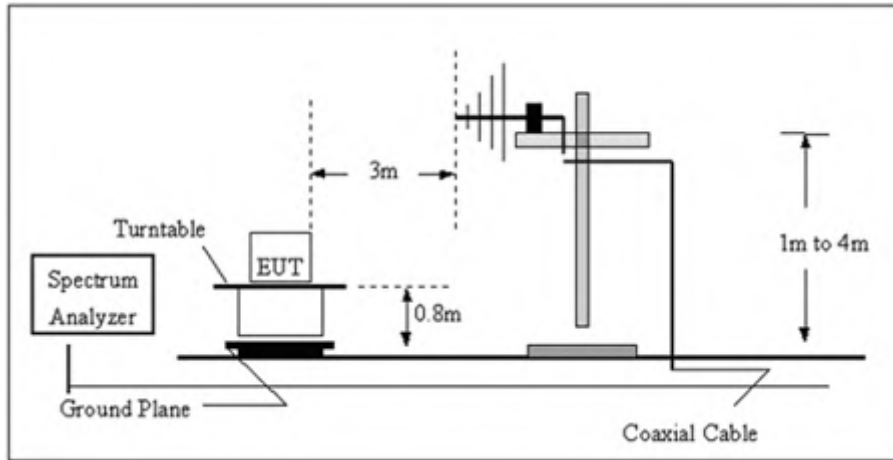
- a) The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- b) The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter open area test site. The table was rotated 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 0.8 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.

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

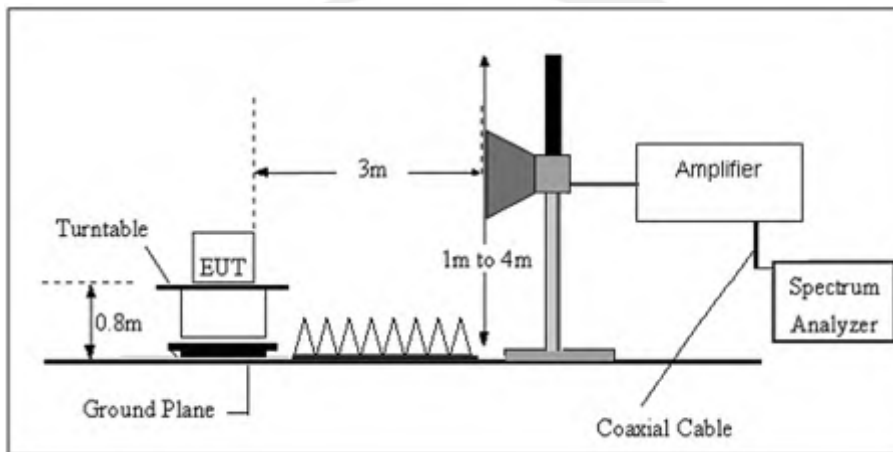


3.2.3 TEST SETUP

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



b) Radiated Emission Test-Up Frequency Above 1GHz



3.2.4 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.



3.2.5 TEST RESULTS

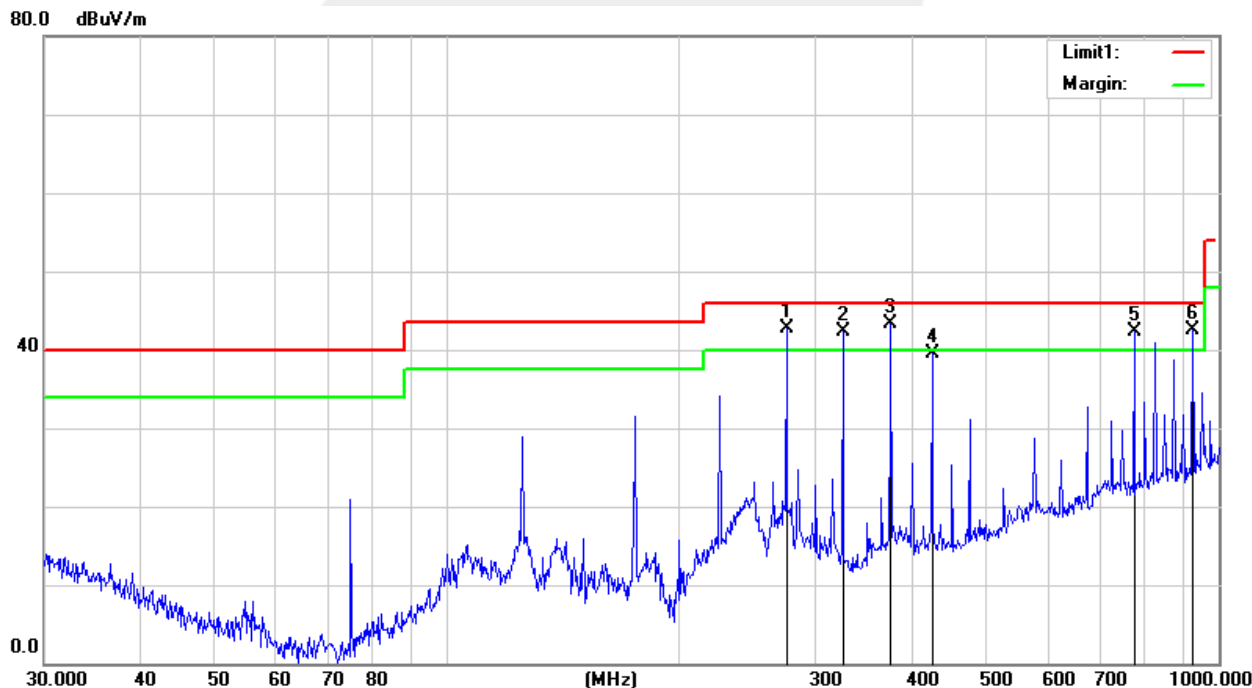
Between 30-1000MHz:

Temperature:	25.4 °C	Relative Humidity:	43%
Pressure:	1010hPa	Phase:	Horizontal
Test Voltage:	AC 120V/60Hz	Test Mode:	Mode 14 (Part 15B & ICES-003)
Note:	Tenpao		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	275.1570	58.36	-15.65	42.71	46.00	-3.29	QP
2	325.5958	56.36	-14.12	42.24	46.00	-3.76	QP
3	375.9385	56.00	-12.73	43.27	46.00	-2.73	QP
4	425.0280	50.34	-10.90	39.44	46.00	-6.56	QP
5	776.8778	45.49	-3.18	42.31	46.00	-3.69	QP
6	925.7563	43.79	-1.33	42.46	46.00	-3.54	QP

Remark:

1. All readings are Quasi-Peak .
2. Margin = Result (Result =Reading + Factor)-Limit



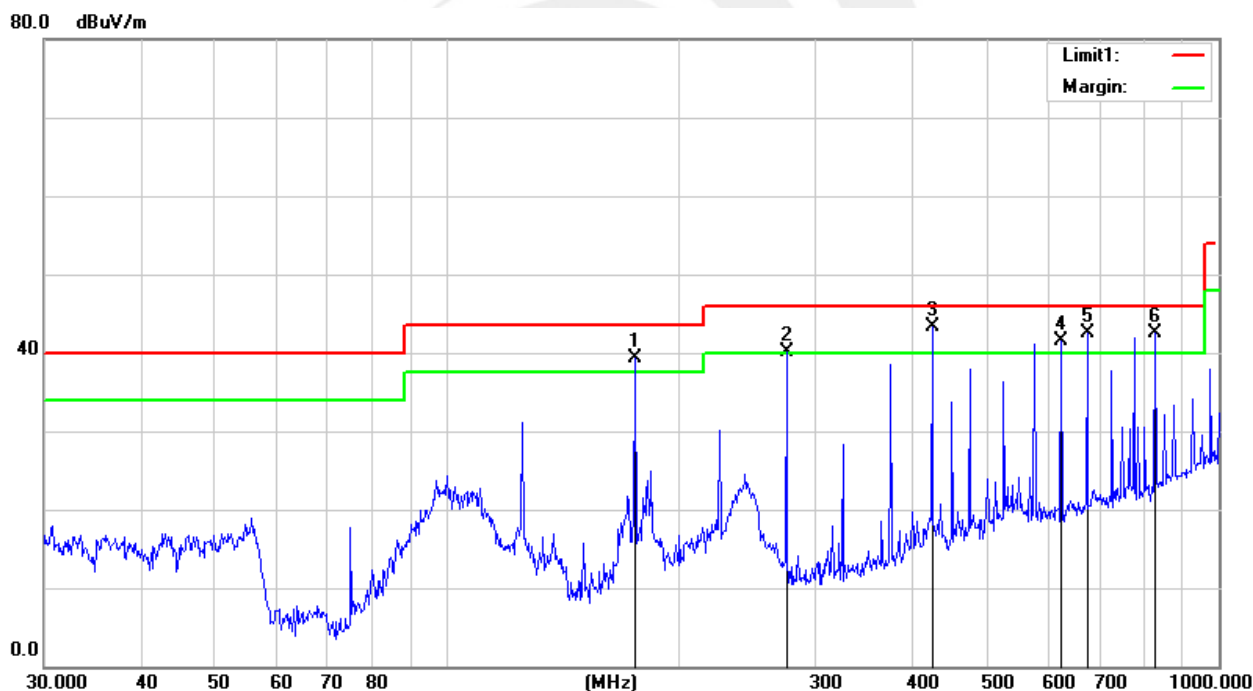


Temperature:	25.4 °C	Relative Humidity:	43%
Pressure:	1010hPa	Phase:	Vertical
Test Voltage:	AC 120V/60Hz	Test Mode:	Mode 14 (Part 15B & ICES-003)
Note:	Tenpao		

No.	Frequency (MHz)	Reading (dBUV)	Factor (dB)	Results (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector
1	175.0368	58.68	-19.38	39.30	43.50	-4.20	QP
2	275.1570	55.73	-15.65	40.08	46.00	-5.92	QP
3	425.0280	54.16	-10.90	43.26	46.00	-2.74	QP
4	625.0780	47.90	-6.43	41.47	46.00	-4.53	QP
5	675.2080	48.32	-5.87	42.45	46.00	-3.55	QP
6	827.4934	45.65	-3.23	42.42	46.00	-3.58	QP

Remark:

1. All readings are Quasi-Peak .
2. Margin = Result (Result =Reading + Factor)-Limit



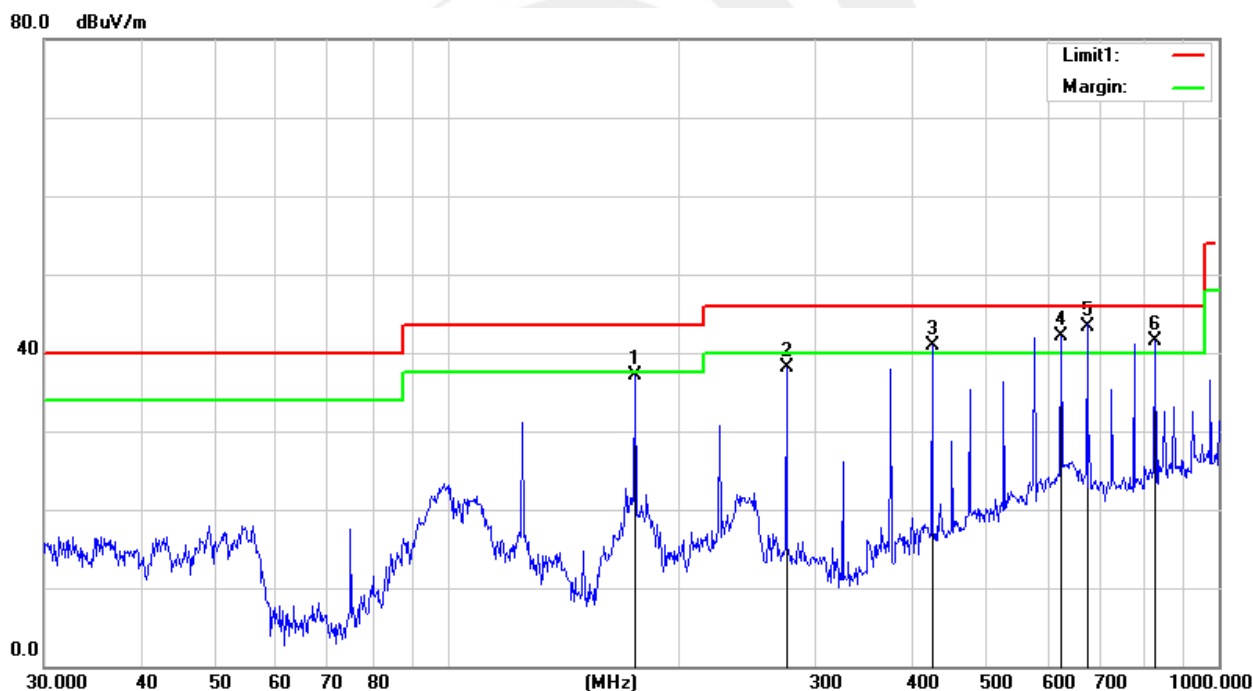


Temperature:	25.4 °C	Relative Humidity:	43%
Pressure:	1010hPa	Phase:	Horizontal
Test Voltage:	AC 120V/60Hz	Test Mode:	Mode 14 (Part 15B & ICES-003)
Note:	BLJ		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	175.0368	56.48	-19.38	37.10	43.50	-6.40	QP
2	275.1570	53.78	-15.65	38.13	46.00	-7.87	QP
3	425.0280	51.75	-10.90	40.85	46.00	-5.15	QP
4	625.0780	48.58	-6.43	42.15	46.00	-3.85	QP
5	675.2080	49.18	-5.87	43.31	46.00	-2.69	QP
6	827.4934	44.69	-3.23	41.46	46.00	-4.54	QP

Remark:

1. All readings are Quasi-Peak .
2. Margin = Result (Result =Reading + Factor)-Limit



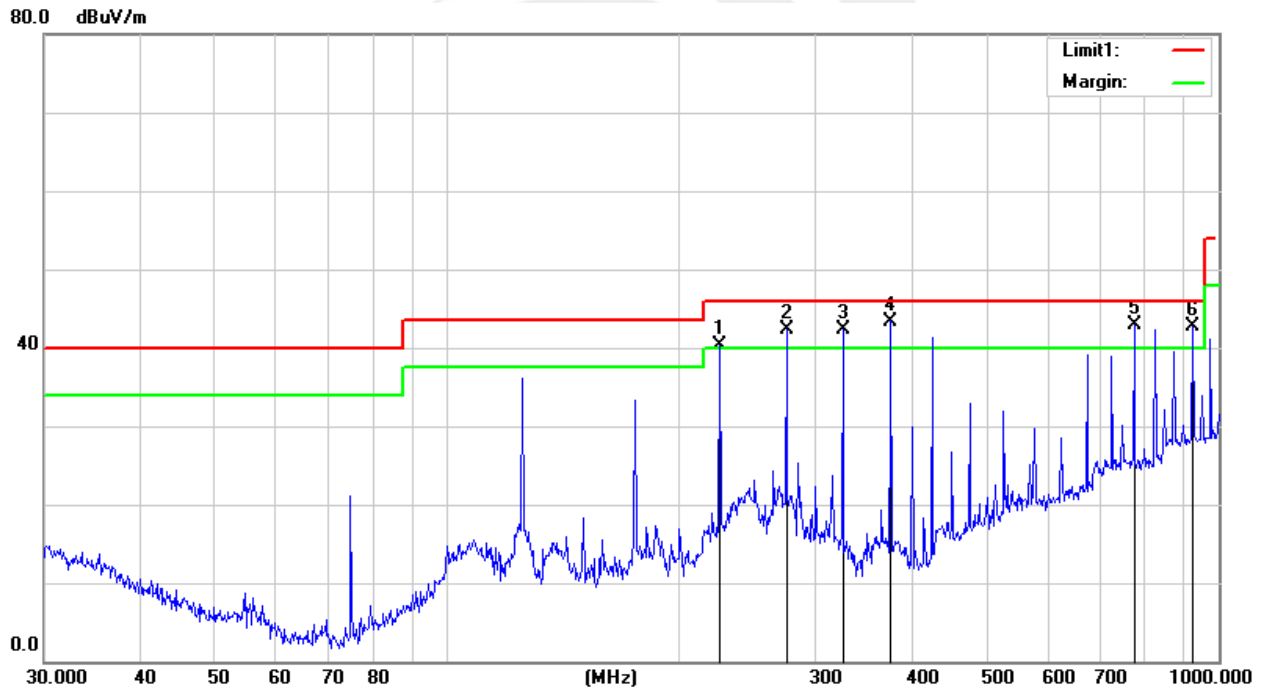


Temperature:	25.4 °C	Relative Humidity:	43%
Pressure:	1010hPa	Phase:	Vertical
Test Voltage:	AC 120V/60Hz	Test Mode:	Mode 14 (Part 15B & ICES-003)
Note:	BLJ		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	225.3080	58.98	-18.77	40.21	46.00	-5.79	QP
2	275.1570	57.86	-15.65	42.21	46.00	-3.79	QP
3	325.5958	56.51	-14.12	42.39	46.00	-3.61	QP
4	375.9385	56.11	-12.73	43.38	46.00	-2.62	QP
5	776.8778	46.15	-3.18	42.97	46.00	-3.03	QP
6	925.7563	43.94	-1.33	42.61	46.00	-3.39	QP

Remark:

1. All readings are Quasi-Peak .
2. Margin = Result (Result =Reading + Factor)-Limit

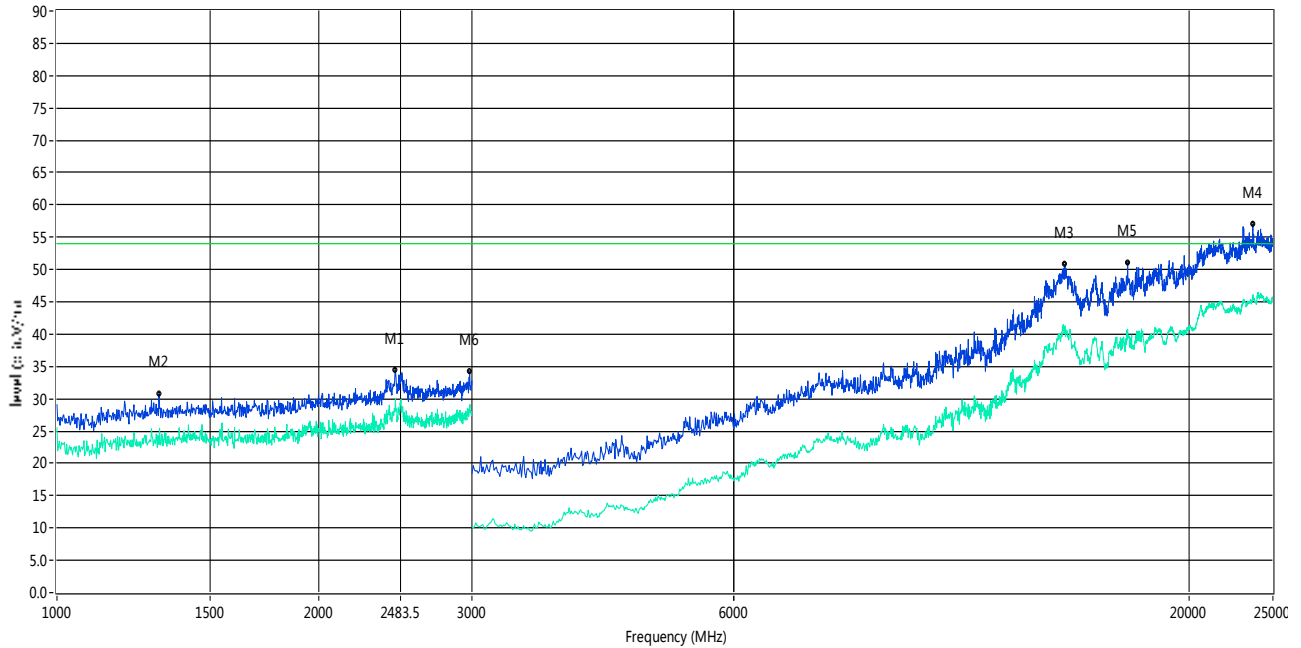




Between 1GHz – 6GHz:

Temperature:	24 °C	Relative Humidity:	61%
Pressure:	1010hPa	Phase:	Horizontal
Note:	Tenpao		

RE_FCC Test Case_FCC 15B 1GHz-25GHz

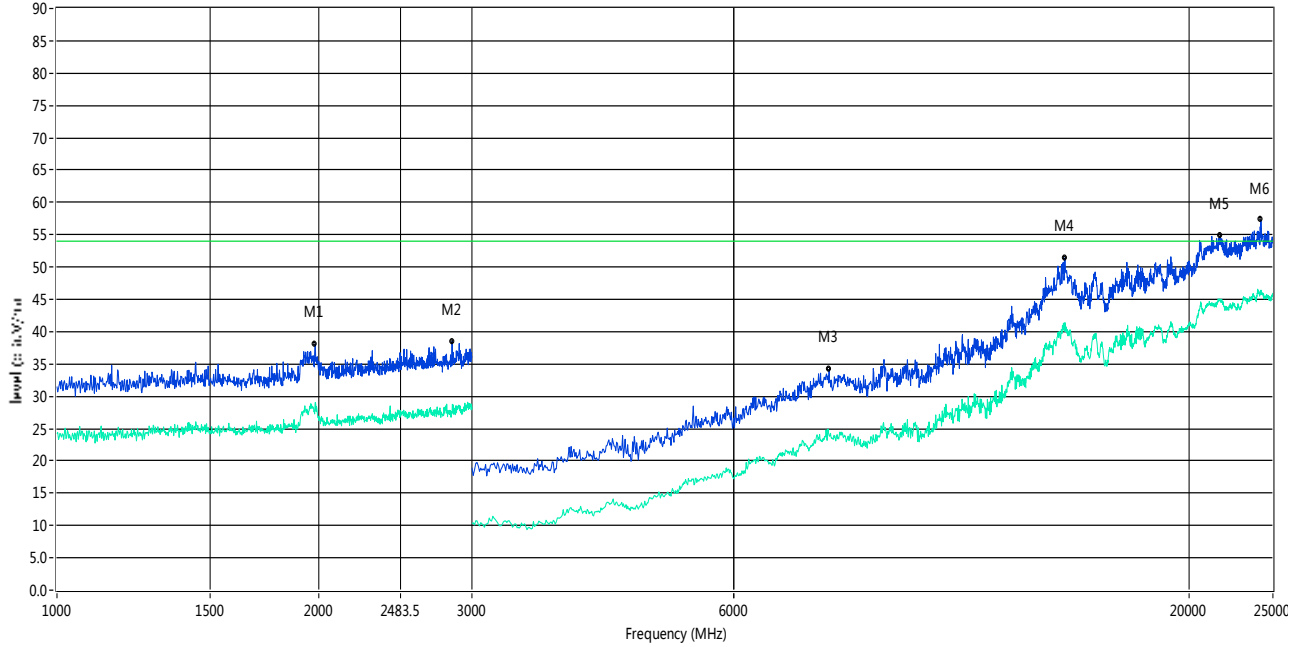


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	2448.000	28.87	-13.80	54.0	-25.13	AV	13.00	100	H	Pass
1	2448.000	34.41	-13.80	74.0	-39.59	Peak	13.00	100	H	Pass
2**	1310.000	22.91	-19.48	54.0	-31.09	AV	8.00	100	H	Pass
2	1310.000	30.76	-19.48	74.0	-43.24	Peak	8.00	100	H	Pass
3**	14416.000	41.29	25.52	54.0	-12.71	AV	13.00	100	H	Pass
3	14416.000	50.75	25.52	74.0	-23.25	Peak	13.00	100	H	Pass
4**	23704.001	46.03	23.40	54.0	-7.97	AV	12.00	100	H	Pass
4	23704.001	56.99	23.40	74.0	-17.01	Peak	12.00	100	H	Pass
5**	17020.000	40.76	21.64	54.0	-13.24	AV	6.00	100	H	Pass
5	17020.000	51.05	21.64	74.0	-22.95	Peak	6.00	100	H	Pass
6**	2982.000	28.62	-12.85	54.0	-25.38	AV	4.00	100	H	Pass
6	2982.000	34.16	-12.85	74.0	-39.84	Peak	4.00	100	H	Pass



Temperature:	24 °C	Relative Humidity:	61%
Pressure:	1010hPa	Phase:	Vertical
Note:	Tenpao		

RE_FCC Test Case_FCC 15B 1GHz-25GHz

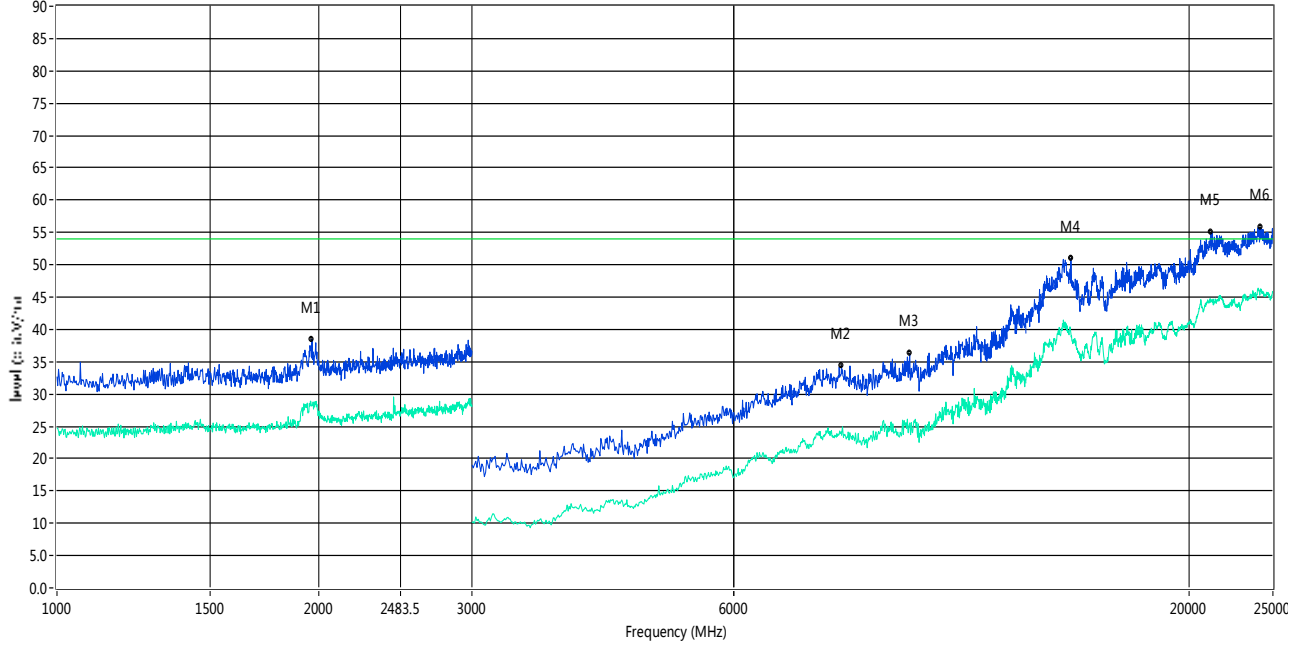


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1980.000	28.89	-0.46	54.0	-25.11	AV	13.00	100	V	Pass
1	1980.000	38.10	-0.46	74.0	-35.90	Peak	13.00	100	V	Pass
2**	2846.000	27.63	1.08	54.0	-26.37	AV	6.00	100	V	Pass
2	2846.000	38.53	1.08	74.0	-35.47	Peak	6.00	100	V	Pass
3**	7720.000	23.94	10.16	54.0	-30.06	AV	9.00	100	V	Pass
3	7720.000	34.12	10.16	74.0	-39.88	Peak	9.00	100	V	Pass
4**	14416.000	41.41	25.52	54.0	-12.59	AV	1.00	100	V	Pass
4	14416.000	51.43	25.52	74.0	-22.57	Peak	1.00	100	V	Pass
5**	21760.000	44.88	23.94	54.0	-9.12	AV	15.00	100	V	Pass
5	21760.000	54.81	23.94	74.0	-19.19	Peak	15.00	100	V	Pass
6**	24220.000	46.41	23.23	54.0	-7.59	AV	15.00	100	V	Pass
6	24220.000	57.26	23.23	74.0	-16.74	Peak	15.00	100	V	Pass



Temperature:	24 °C	Relative Humidity:	61%
Pressure:	1010hPa	Phase:	Horizontal
Note:	BLJ		

RE_FCC Test Case_FCC 15B 1GHz-25GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1964.000	28.19	-0.58	54.0	-25.81	AV	1.00	100	H	Pass
1	1964.000	38.51	-0.58	74.0	-35.49	Peak	1.00	100	H	Pass
2**	7980.000	23.62	10.36	54.0	-30.38	AV	9.00	100	H	Pass
2	7980.000	34.42	10.36	74.0	-39.58	Peak	9.00	100	H	Pass
3**	9560.001	25.54	11.90	54.0	-28.46	AV	15.00	100	H	Pass
3	9560.001	36.22	11.90	74.0	-37.78	Peak	15.00	100	H	Pass
4**	14644.000	39.38	23.10	54.0	-14.62	AV	9.00	100	H	Pass
4	14644.000	50.95	23.10	74.0	-23.05	Peak	9.00	100	H	Pass
5**	21220.000	44.60	24.08	54.0	-9.40	AV	11.00	100	H	Pass
5	21220.000	54.97	24.08	74.0	-19.03	Peak	11.00	100	H	Pass
6**	24160.000	45.55	23.25	54.0	-8.45	AV	15.00	100	H	Pass
6	24160.000	55.79	23.25	74.0	-18.21	Peak	15.00	100	H	Pass



Temperature:	24 °C	Relative Humidity:	61%
Pressure:	1010hPa	Phase:	Vertical
Note:	BLJ		

RE_FCC Test Case_FCC 15B 1GHz-25GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	2486.000	28.90	-13.50	54.0	-25.10	AV	6.00	100	V	Pass
1	2486.000	33.64	-13.50	74.0	-40.36	Peak	6.00	100	V	Pass
2**	1738.000	26.55	-18.91	54.0	-27.45	AV	9.00	100	V	Pass
2	1738.000	30.75	-18.91	74.0	-43.25	Peak	9.00	100	V	Pass
3**	14416.000	41.04	25.52	54.0	-12.96	AV	1.00	100	V	Pass
3	14416.000	50.98	25.52	74.0	-23.02	Peak	1.00	100	V	Pass
4**	24231.999	46.25	23.23	54.0	-7.75	AV	8.00	100	V	Pass
4	24231.999	56.45	23.23	74.0	-17.55	Peak	8.00	100	V	Pass
5**	21796.000	44.60	23.94	54.0	-9.40	AV	11.00	100	V	Pass
5	21796.000	54.99	23.94	74.0	-19.01	Peak	11.00	100	V	Pass
6**	1286.000	23.76	-19.48	54.0	-30.24	AV	4.00	100	V	Pass
6	1286.000	29.50	-19.48	74.0	-44.50	Peak	4.00	100	V	Pass



3.3 RADIATED SPURIOUS EMISSION MEASUREMENT

3.3.1 RADIATED EMISSION LIMITS

in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the Restricted band specified on Part15.205(a)&209(a) and RSS-247 Issue 2 limit in the table and according to ANSI C63.10-2013 below has to be followed.

LIMITS OF RADIATED EMISSION MEASUREMENT (0.009MHz - 1000MHz)

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

LIMITS OF RADIATED EMISSION MEASUREMENT (1000MHz-25GHz)

FREQUENCY (MHz)	(dBuV/m) (at 3M)	
	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).

For Radiated Emission

Spectrum Parameter	Setting
Attenuation	Auto
Detector	Peak/AV
Start Frequency	1000 MHz(Peak/AV)
Stop Frequency	10th carrier hamonic(Peak/AV)
RB / VB (emission in restricted	1 MHz /3MHz

For Band edge

Spectrum Parameter	Setting
Detector	Peak/AV
Start/Stop Frequency	Lower Band Edge: 2300 to 2422 MHz Upper Band Edge: 2452to 2500 MHz
RB / VB (emission in restricted band)	1 MHz /3MHz



Receiver Parameter	Setting
Start ~ Stop Frequency	9kHz~90kHz / RB 200Hz for PK & AV
Start ~ Stop Frequency	90kHz~110kHz / RB 200Hz for QP
Start ~ Stop Frequency	110kHz~490kHz / RB 200Hz for PK & AV
Start ~ Stop Frequency	490kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

3.3.2 TEST PROCEDURE

- The measuring distance of at 3 m shall be used for measurements at frequency 0.009MHz up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- The EUT was placed on the top of a rotating table 0.8 meters(above 1GHz is 1.5 m) above the ground at a 3 meter anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The height of the equipment shall be 0.8 m(above 1GHz is 1.5 m); the height of the test antenna shall vary between 1 m to 4 m. Horizontal and vertical polarizations of the antenna are set to make the measurement
- 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.
- 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.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

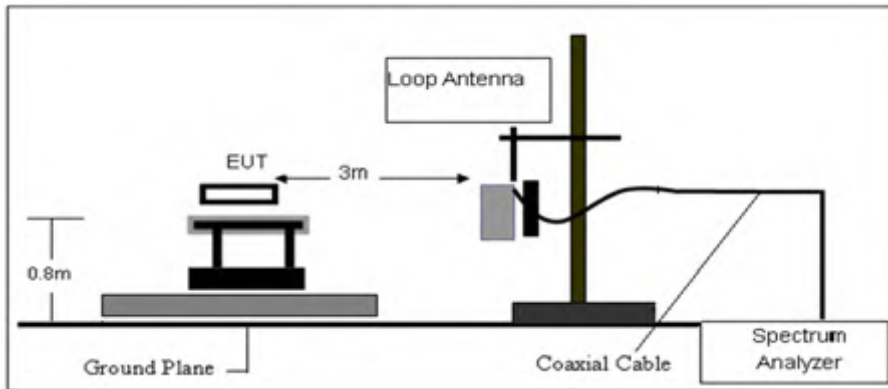
Note:

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

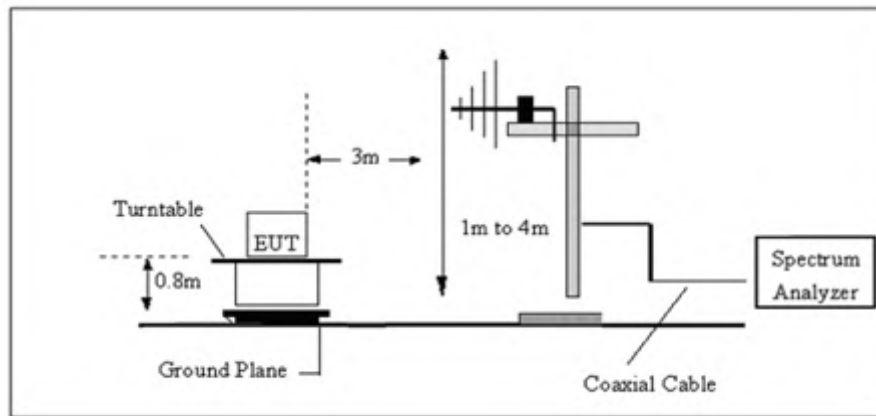


3.3.3 TEST SETUP

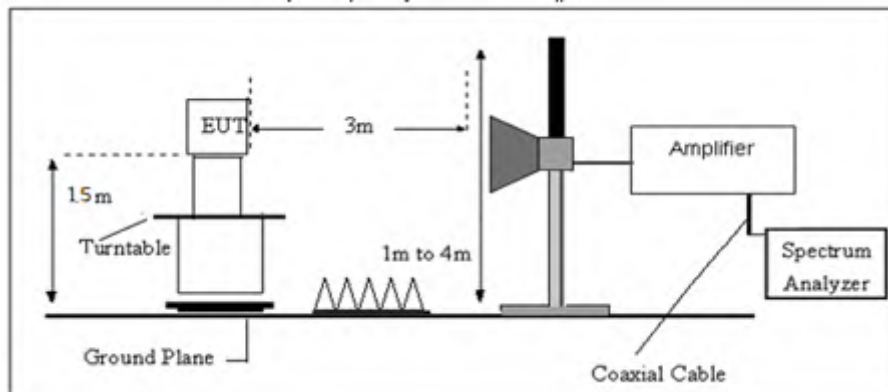
a) Radiated Emission Test-Up Frequency Below 30MHz



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



c) Radiated Emission Test-Up Frequency Above 1GHz



3.3.4 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 2.3 Unless otherwise a special operating condition is specified in the follows during the testing.



3.3.5 FIELD STRENGTH CALCULATION

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$FS = RA + AF + CL - AG$$

Where

FS = Field Strength

CL = Cable Attenuation Factor (Cable Loss)

RA = Reading Amplitude

AG = Amplifier Gain

AF = Antenna Factor

For example

Frequency (MHz)	FS (dB μ V/m)	RA (dB μ V/m)	AF (dB)	CL (dB)	AG (dB)	Factor (dB)
300	40	58.1	12.2	1.6	31.9	-18.1

$$\text{Factor} = \text{AF} + \text{CL} - \text{AG}$$

3.3.6 TEST RESULT

9KHz-30MHz

Temperature:	25.4°C	Relative Humidity:	43%
Test Voltage:	AC 120V/60Hz	Polarization:	--
Test Mode:	TX Mode		

Freq. (MHz)	Reading (dBuV/m)	Limit (dBuV/m)	Margin (dB)	State P/F	Test Result
--	--	--	--	--	PASS
--	--	--	--	--	PASS

Note:

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

Distance extrapolation factor = $40 \log(\text{specific distance}/\text{test distance})$ (dB);

Limit line = specific limits(dBuv) + distance extrapolation factor.



(30MHz - 1000MHz)

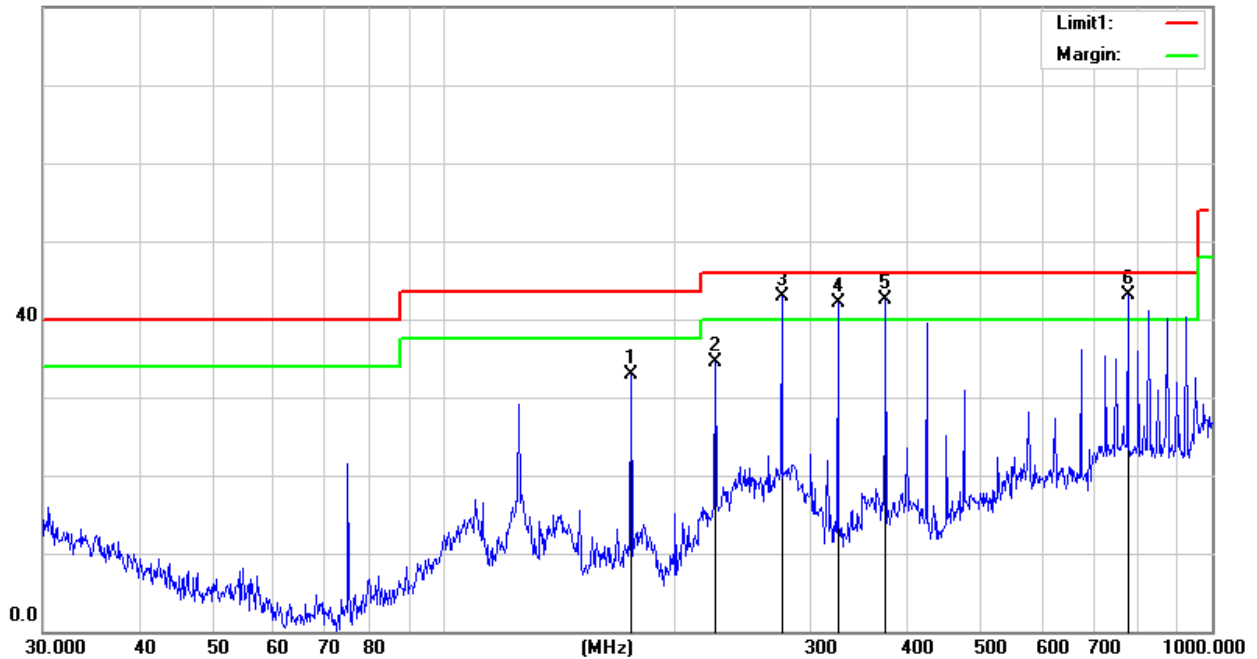
Temperature:	25.4°C	Relative Humidity:	43%
Test Voltage:	AC 120V/60Hz	Polarization:	Horizontal
Test Mode:	Mode 1/2/3/4/5/6/7/8/9/10/11/12(Mode 1-1Mbps worst mode)		
Note:	Tenpao		

Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
175.0368	52.21	-19.38	32.83	43.50	-10.67	QP
225.3080	53.25	-18.77	34.48	46.00	-11.52	QP
275.1570	58.59	-15.65	42.94	46.00	-3.06	QP
325.5958	56.13	-14.12	42.01	46.00	-3.99	QP
375.9384	55.23	-12.73	42.50	46.00	-3.50	QP
776.8777	46.32	-3.18	43.14	46.00	-2.86	QP

Remark:

1. Margin = Result (Result = Reading + Factor) - Limit

80.0 dBuV/m





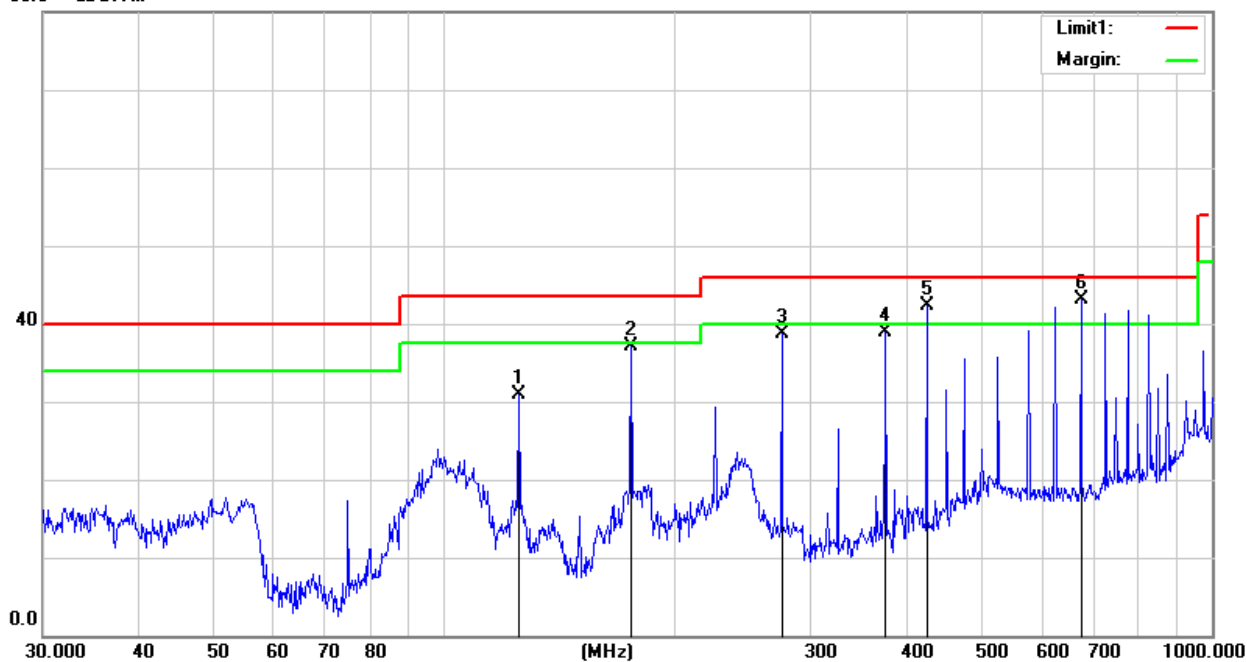
Temperature:	25.4°C	Relative Humidity:	43%
Test Voltage:	AC 120V/60Hz	Polarization:	Vertical
Test Mode:	Mode 1/2/3/4/5/6/7/8/9/10/11/12(Mode 1-1Mbps worst mode)		
Note:	Tenpao		

Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
125.0066	48.59	-17.61	30.98	43.50	-12.52	QP
175.0365	56.43	-19.38	37.05	43.50	-6.45	QP
275.1570	54.33	-15.65	38.68	46.00	-7.32	QP
375.9384	51.70	-12.73	38.97	46.00	-7.03	QP
425.0280	53.11	-10.90	42.21	46.00	-3.79	QP
675.2080	48.93	-5.87	43.06	46.00	-2.94	QP

Remark:.

1. Margin = Result (Result =Reading + Factor)–Limit

80.0 dBuV/m





(Above 1000MHz) Restricted band and Spurious emission Requirements



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Test result

Project Number: STS1811226

Test Time: 2018-12-06_20.01.57

EUT Name: 3.5" Video Baby Monitor With Wi-Fi® Test Engineer: Barry

Mode: 802.11b_2412 Test Standard: FCC 15C

Model: MBP867CONNECTBU Work Addition: Normal

Temp.(oC): 24 Load:

Hum.: 61% Remark:

Manufacturer:

RSE_FCC Test Case_FCC 15C 1GHz-25GHz

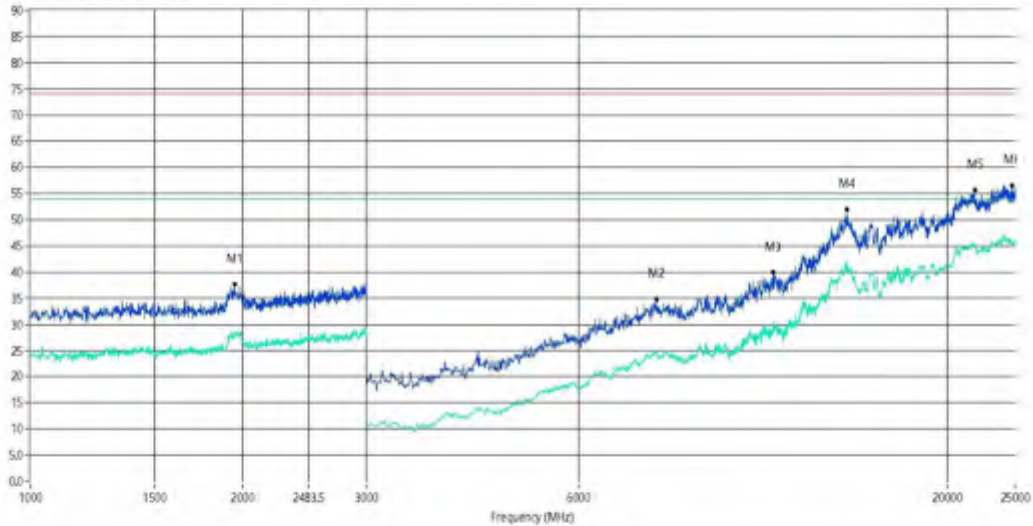


Table with 11 columns: No., Frequency (MHz), Results (dBUV/m), Factor (dB), Limit (dBUV/m), Over Limit (dB), Detector, Table (o), Height (cm), ANT, Verdict. It contains 12 rows of test data.



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Test result

Project Number: STS1811226

Test Time: 2018-12-06_20.05.52

EUT Name: 3.5" Video Baby Monitor With Wi-Fi® Test Engineer: Barry

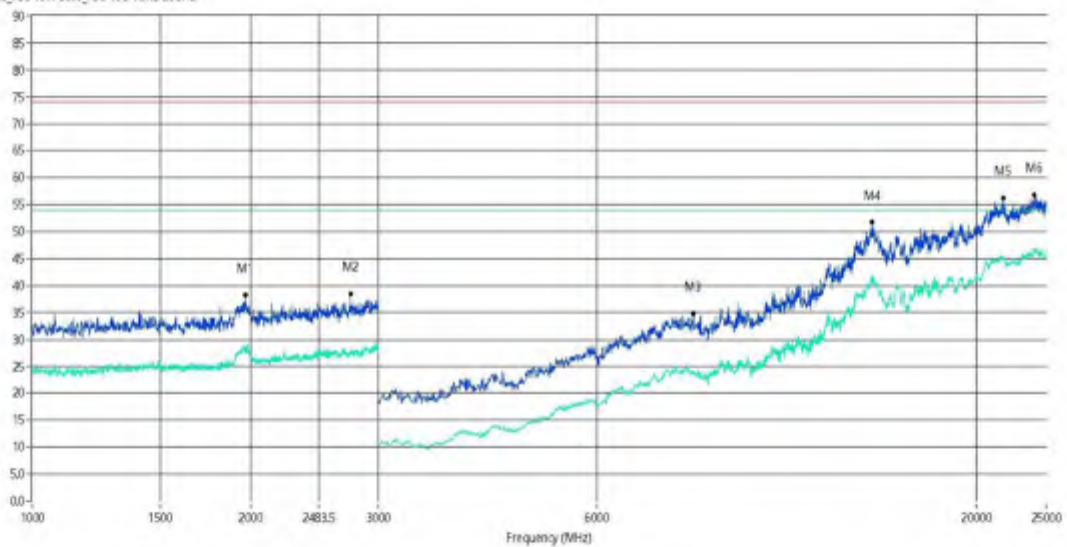
Mode: 802.11b_2412 Test Standard: FCC 15C

Model: MBP867CONNECTBU Work Addition: Normal

Temp.(oC): 24 Load:

Hum.: 61% Remark:
 Manufacturer:

RSE_FCC Test Case FCC 15C 1GHz-25GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1966.000	28.14	-0.57	54.0	-25.86	AV	11.00	100	V	Pass
1	1966.000	38.20	-0.57	74.0	-35.80	Peak	11.00	100	V	Pass
2**	2746.000	27.10	0.56	54.0	-26.90	AV	14.00	100	V	Pass
2	2746.000	38.50	0.56	74.0	-35.50	Peak	14.00	100	V	Pass
3**	8160.000	24.28	10.53	54.0	-29.72	AV	9.00	100	V	Pass
3	8160.000	34.73	10.53	74.0	-39.27	Peak	9.00	100	V	Pass
4**	14368.000	41.49	24.92	54.0	-12.51	AV	9.00	100	V	Pass
4	14368.000	51.67	24.92	74.0	-22.33	Peak	9.00	100	V	Pass
5**	21820.000	44.89	23.93	54.0	-9.11	AV	4.00	100	V	Pass
5	21820.000	56.29	23.93	74.0	-17.71	Peak	4.00	100	V	Pass
6**	24064.000	46.52	23.28	54.0	-7.48	AV	15.00	100	V	Pass
6	24064.000	56.83	23.28	74.0	-17.17	Peak	15.00	100	V	Pass



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Test result

Project Number: STS1811226

Test Time: 2018-12-07_23.30.10

EUT Name: 3.5" Video Baby Monitor With Wi-Fi® Test Engineer: Barry

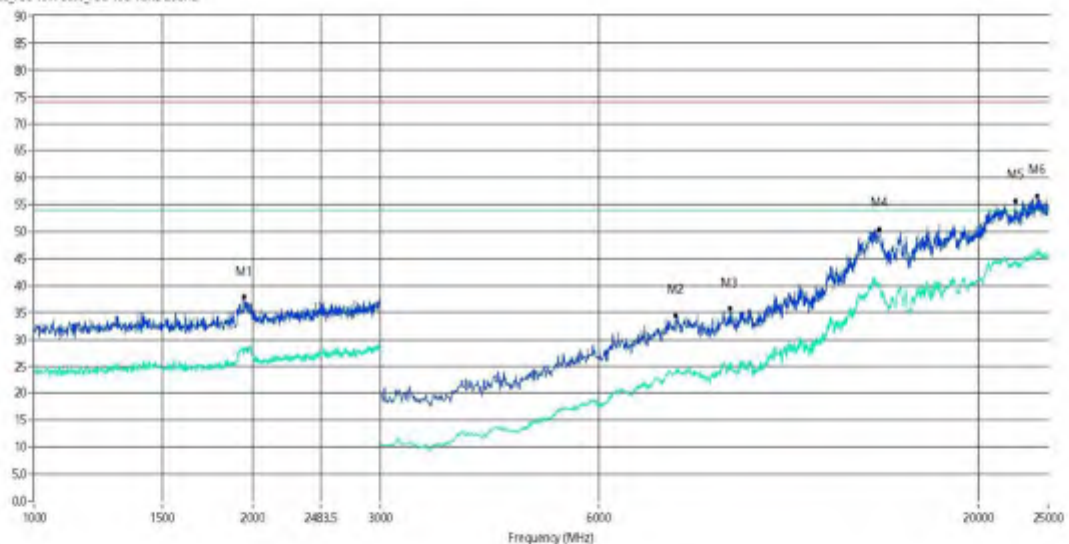
Mode: 802.11b_2437 Test Standard: FCC 15C

Model: MBP867CONNECTBU Work Addition: Normal

Temp.(oC): 24 Load:

Hum.: 61% Remark:
 Manufacturer:

RSE_FCC Test Case FCC 15C 1GHz-25GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1948.000	28.22	-0.75	54.0	-25.78	AV	1.00	100	H	Pass
1	1948.000	37.77	-0.75	74.0	-36.23	Peak	1.00	100	H	Pass
2**	7660.000	24.60	10.67	54.0	-29.40	AV	15.00	100	H	Pass
2	7660.000	34.41	10.67	74.0	-39.59	Peak	15.00	100	H	Pass
3**	9100.000	25.72	13.19	54.0	-28.28	AV	9.00	100	H	Pass
3	9100.000	35.65	13.19	74.0	-38.35	Peak	9.00	100	H	Pass
4**	14608.000	40.74	24.23	54.0	-13.26	AV	9.00	100	H	Pass
4	14608.000	50.50	24.23	74.0	-23.50	Peak	9.00	100	H	Pass
5**	22516.001	44.10	23.76	54.0	-9.90	AV	11.00	100	H	Pass
5	22516.001	55.62	23.76	74.0	-18.38	Peak	11.00	100	H	Pass
6**	24148.001	45.55	23.26	54.0	-8.45	AV	8.00	100	H	Pass
6	24148.001	56.58	23.26	74.0	-17.42	Peak	8.00	100	H	Pass



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Test result

Project Number: STS1811226

Test Time: 2018-12-07_23.26.05

EUT Name: 3.5" Video Baby Monitor With Wi-Fi® Test Engineer: Barry

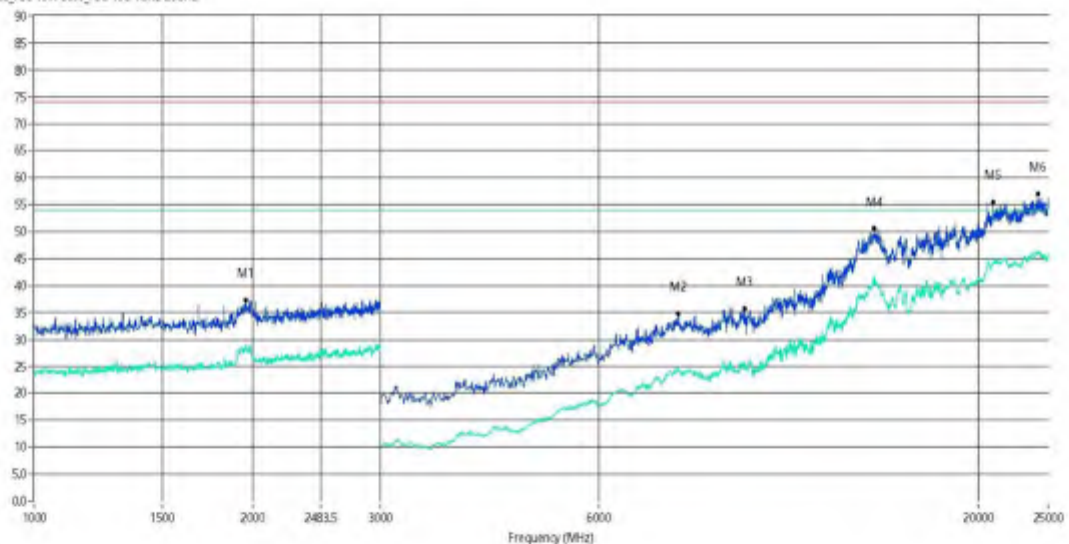
Mode: 802.11b_2437 Test Standard: FCC 15C

Model: MBP867CONNECTBU Work Addition: Normal

Temp.(oC): 24 Load:

Hum.: 61% Remark:
 Manufacturer:

RSE_FCC Test Case FCC 15C 1GHz-25GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1956.000	28.18	-0.66	54.0	-25.82	AV	1.00	100	V	Pass
1	1956.000	37.27	-0.66	74.0	-36.73	Peak	1.00	100	V	Pass
2**	7720.000	24.04	10.16	54.0	-29.96	AV	12.00	100	V	Pass
2	7720.000	34.84	10.16	74.0	-39.16	Peak	12.00	100	V	Pass
3**	9540.000	25.12	11.57	54.0	-28.88	AV	9.00	100	V	Pass
3	9540.000	35.65	11.57	74.0	-38.35	Peak	9.00	100	V	Pass
4**	14464.000	41.01	24.63	54.0	-12.99	AV	9.00	100	V	Pass
4	14464.000	50.70	24.63	74.0	-23.30	Peak	9.00	100	V	Pass
5**	20967.999	44.26	24.14	54.0	-9.74	AV	11.00	100	V	Pass
5	20967.999	55.50	24.14	74.0	-18.50	Peak	11.00	100	V	Pass
6**	24160.000	45.86	23.25	54.0	-8.14	AV	8.00	100	V	Pass
6	24160.000	56.93	23.25	74.0	-17.07	Peak	8.00	100	V	Pass



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Test result

Project Number: STS1811226

Test Time: 2018-12-06_20.09.56

EUT Name: 3.5" Video Baby Monitor With Wi-Fi® Test Engineer: Barry

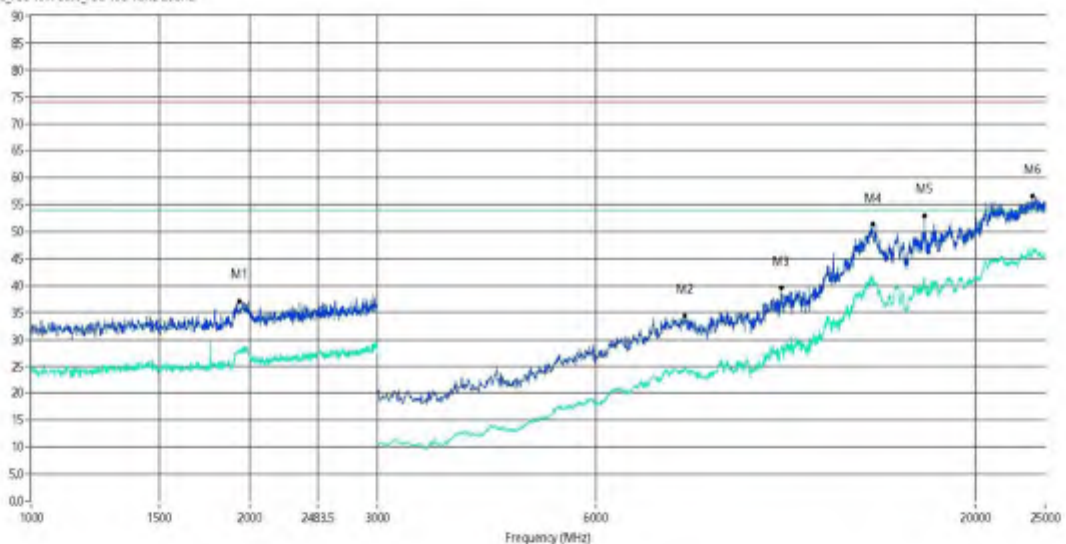
Mode: 802.11b_2462 Test Standard: FCC 15C

Model: MBP867CONNECTBU Work Addition: Normal

Temp.(oC): 24 Load:

Hum.: 61% Remark:
 Manufacturer:

RSE_FCC Test Case FCC 15C 1GHz-25GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1936.000	27.23	-0.89	54.0	-26.77	AV	10.00	100	H	Pass
1	1936.000	37.13	-0.89	74.0	-36.87	Peak	10.00	100	H	Pass
2**	7950.000	24.24	10.24	54.0	-29.76	AV	2.00	100	H	Pass
2	7950.000	34.45	10.24	74.0	-39.55	Peak	2.00	100	H	Pass
3**	10800.000	28.61	14.85	54.0	-25.39	AV	7.00	100	H	Pass
3	10800.000	39.61	14.85	74.0	-34.39	Peak	7.00	100	H	Pass
4**	14452.000	41.15	24.56	54.0	-12.85	AV	1.00	100	H	Pass
4	14452.000	51.28	24.56	74.0	-22.72	Peak	1.00	100	H	Pass
5**	17020.000	41.45	21.64	54.0	-12.55	AV	6.00	100	H	Pass
5	17020.000	53.01	21.64	74.0	-20.99	Peak	6.00	100	H	Pass
6**	23968.000	46.34	23.32	54.0	-7.66	AV	15.00	100	H	Pass
6	23968.000	56.58	23.32	74.0	-17.42	Peak	15.00	100	H	Pass



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Test result

Project Number: STS1811226

Test Time: 2018-12-06_20.13.58

EUT Name: 3.5" Video Baby Monitor With Wi-Fi® Test Engineer: Barry

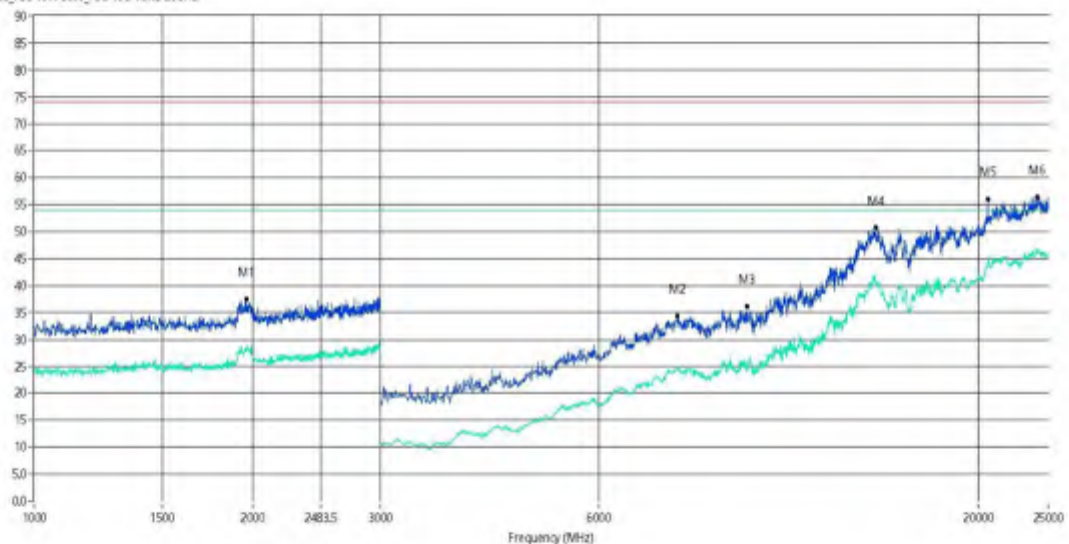
Mode: 802.11b_2462 Test Standard: FCC 15C

Model: MBP867CONNECTBU Work Addition: Normal

Temp.(oC): 24 Load:

Hum.: 61% Remark:
 Manufacturer:

RSE_FCC Test Case FCC 15C 1GHz-25GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1960.000	27.82	-0.62	54.0	-26.16	AV	5.00	100	V	Pass
1	1960.000	37.49	-0.62	74.0	-36.51	Peak	5.00	100	V	Pass
2**	7700.000	24.92	10.88	54.0	-29.08	AV	13.00	100	V	Pass
2	7700.000	34.42	10.88	74.0	-39.58	Peak	13.00	100	V	Pass
3**	9600.000	25.84	12.14	54.0	-28.16	AV	3.00	100	V	Pass
3	9600.000	36.19	12.14	74.0	-37.81	Peak	3.00	100	V	Pass
4**	14464.000	40.59	24.63	54.0	-13.41	AV	1.00	100	V	Pass
4	14464.000	50.70	24.63	74.0	-23.30	Peak	1.00	100	V	Pass
5**	20656.001	45.54	23.85	54.0	-8.46	AV	7.00	100	V	Pass
5	20656.001	55.97	23.85	74.0	-18.03	Peak	7.00	100	V	Pass
6**	24100.000	46.02	23.27	54.0	-7.98	AV	4.00	100	V	Pass
6	24100.000	56.46	23.27	74.0	-17.54	Peak	4.00	100	V	Pass



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Test result

Project Number: STS1811226

Test Time: 2018-12-06_20.17.03

EUT Name: 3.5" Video Baby Monitor With Wi-Fi® Test Engineer: Barry

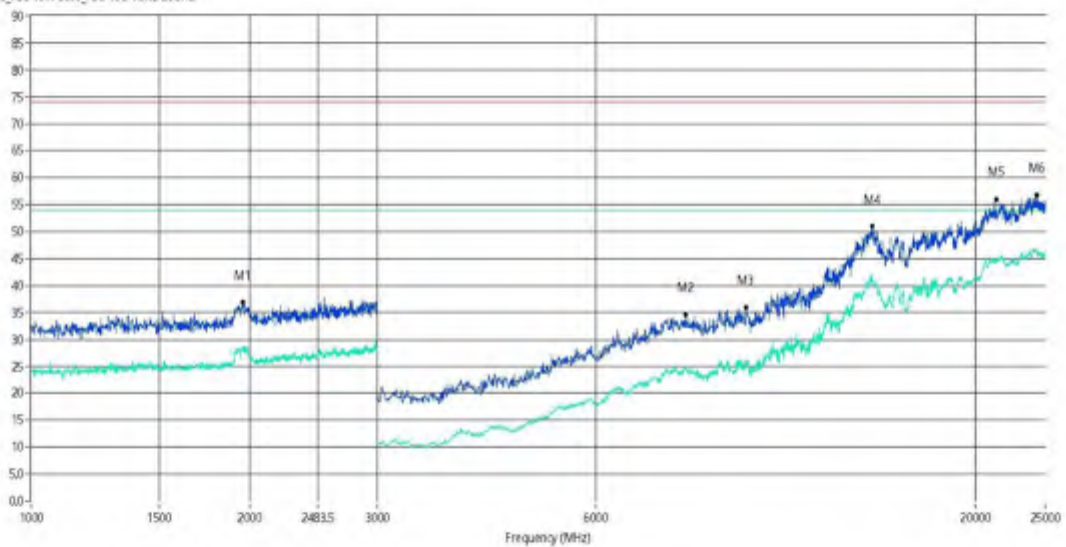
Mode: 802.11g_2412 Test Standard: FCC 15C

Model: MBP867CONNECTBU Work Addition: Normal

Temp.(oC): 24 Load:

Hum.: 61% Remark:
 Manufacturer:

RSE_FCC Test Case FCC 15C 1GHz-25GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1958.000	28.15	-0.64	54.0	-25.85	AV	3.00	100	H	Pass
1	1958.000	36.88	-0.64	74.0	-37.12	Peak	3.00	100	H	Pass
2**	7980.000	24.41	10.36	54.0	-29.59	AV	13.00	100	H	Pass
2	7980.000	34.54	10.36	74.0	-39.46	Peak	13.00	100	H	Pass
3**	9670.000	25.77	12.48	54.0	-28.23	AV	6.00	100	H	Pass
3	9670.000	35.89	12.48	74.0	-38.11	Peak	6.00	100	H	Pass
4**	14428.000	41.43	25.10	54.0	-12.57	AV	5.00	100	H	Pass
4	14428.000	51.05	25.10	74.0	-22.95	Peak	5.00	100	H	Pass
5**	21376.000	44.58	24.04	54.0	-9.42	AV	3.00	100	H	Pass
5	21376.000	56.06	24.04	74.0	-17.94	Peak	3.00	100	H	Pass
6**	24340.001	46.14	23.20	54.0	-7.86	AV	8.00	100	H	Pass
6	24340.001	56.72	23.20	74.0	-17.28	Peak	8.00	100	H	Pass



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Test result

Project Number: STS1811226

Test Time: 2018-12-06_20.21.56

EUT Name: 3.5" Video Baby Monitor With Wi-Fi® Test Engineer: Barry

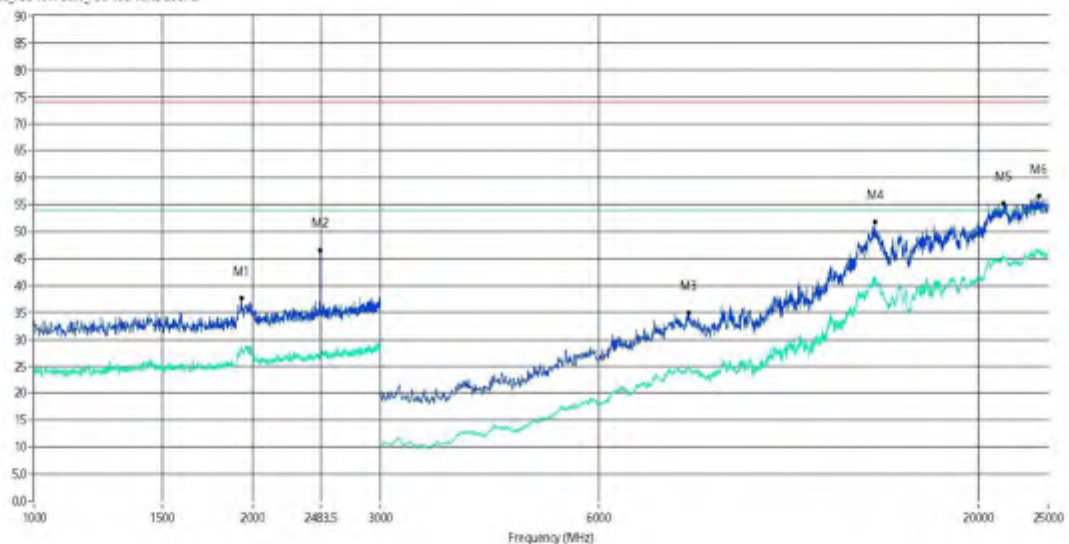
Mode: 802.11g_2412 Test Standard: FCC 15C

Model: MBP867CONNECTBU Work Addition: Normal

Temp.(oC): 24 Load:

Hum.: 61% Remark:
 Manufacturer:

RSE_FCC Test Case FCC 15C 1GHz-25GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1930.000	28.20	-0.98	54.0	-25.80	AV	12.00	100	V	Pass
1	1930.000	37.74	-0.98	74.0	-36.26	Peak	12.00	100	V	Pass
2**	2476.000	29.02	-0.84	54.0	-24.98	AV	9.00	100	V	Pass
2	2476.000	46.64	-0.84	74.0	-27.36	Peak	9.00	100	V	Pass
3**	7970.000	24.44	10.25	54.0	-29.56	AV	9.00	100	V	Pass
3	7970.000	34.97	10.25	74.0	-39.03	Peak	9.00	100	V	Pass
4**	14428.000	41.17	25.10	54.0	-12.83	AV	1.00	100	V	Pass
4	14428.000	51.78	25.10	74.0	-22.22	Peak	1.00	100	V	Pass
5**	21700.000	45.09	23.96	54.0	-8.91	AV	15.00	100	V	Pass
5	21700.000	55.26	23.96	74.0	-18.74	Peak	15.00	100	V	Pass
6**	24231.999	46.59	23.23	54.0	-7.41	AV	4.00	100	V	Pass
6	24231.999	56.55	23.23	74.0	-17.45	Peak	4.00	100	V	Pass



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Test result

Project Number: STS1811226

Test Time: 2018-12-07_23.20.59

EUT Name: 3.5" Video Baby Monitor With Wi-Fi® Test Engineer: Barry

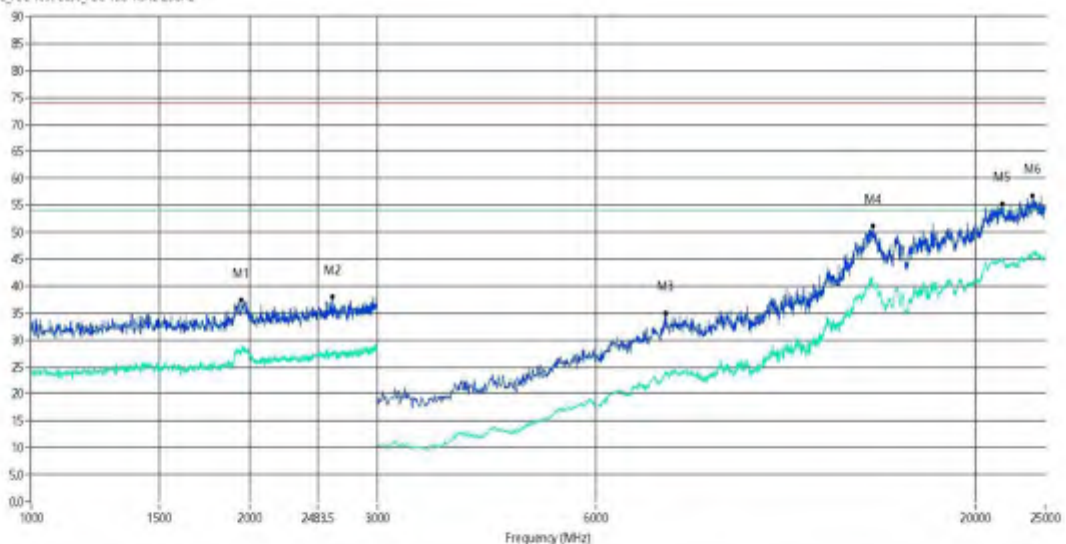
Mode: 802.11g_2437 Test Standard: FCC 15C

Model: MBP867CONNECTBU Work Addition: Normal

Temp.(oC): 24 Load:

Hum.: 61% Remark:
 Manufacturer:

RSE_FCC Test Case_FCC 15C 1GHz-25GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1948.000	28.02	-0.75	54.0	-25.98	AV	1.00	100	H	Pass
1	1948.000	37.53	-0.75	74.0	-36.47	Peak	1.00	100	H	Pass
2**	2598.000	27.58	0.03	54.0	-26.42	AV	9.00	100	H	Pass
2	2598.000	38.02	0.03	74.0	-35.98	Peak	9.00	100	H	Pass
3**	7480.000	23.97	10.48	54.0	-30.03	AV	12.00	100	H	Pass
3	7480.000	34.99	10.48	74.0	-39.01	Peak	12.00	100	H	Pass
4**	14452.000	40.60	24.56	54.0	-13.40	AV	13.00	100	H	Pass
4	14452.000	51.23	24.56	74.0	-22.77	Peak	13.00	100	H	Pass
5**	21820.000	45.25	23.93	54.0	-8.75	AV	15.00	100	H	Pass
5	21820.000	55.32	23.93	74.0	-18.68	Peak	15.00	100	H	Pass
6**	24015.999	46.50	23.30	54.0	-7.50	AV	15.00	100	H	Pass
6	24015.999	56.85	23.30	74.0	-17.15	Peak	15.00	100	H	Pass

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Test result

Project Number: STS1811226

Test Time: 2018-12-07_23.16.08

EUT Name: 3.5" Video Baby Monitor With Wi-Fi® Test Engineer: Barry

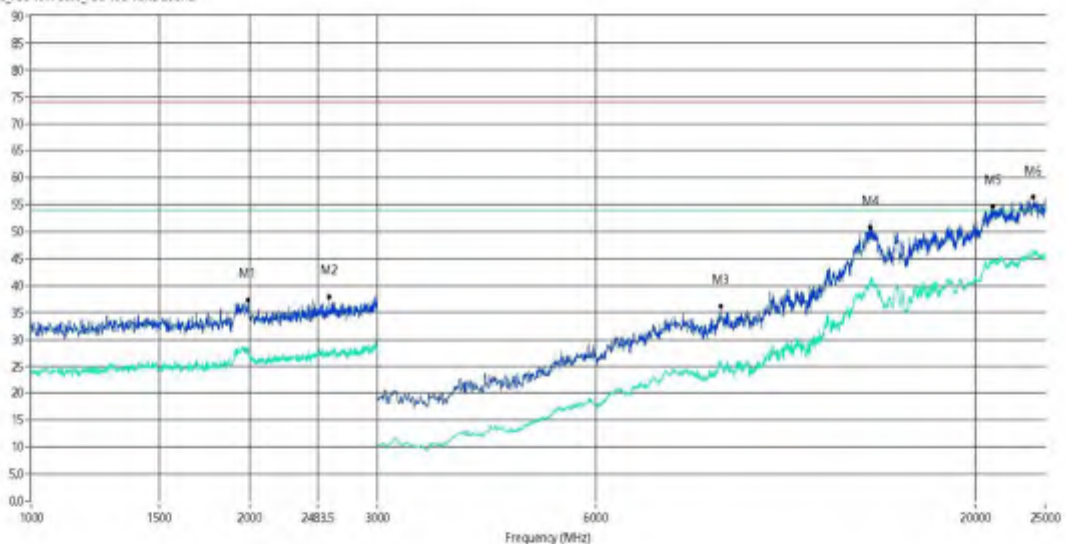
Mode: 802.11g_2437 Test Standard: FCC 15C

Model: MBP867CONNECTBU Work Addition: Normal

Temp.(oC): 24 Load:

Hum.: 61% Remark:
Manufacturer:

RSE_FCC Test Case FCC 15C 1GHz-25GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1990.000	28.21	-0.40	54.0	-25.79	AV	9.00	100	V	Pass
1	1990.000	37.35	-0.40	74.0	-36.65	Peak	9.00	100	V	Pass
2**	2574.000	26.89	-0.32	54.0	-27.11	AV	4.00	100	V	Pass
2	2574.000	37.85	-0.32	74.0	-36.15	Peak	4.00	100	V	Pass
3**	8920.001	26.31	12.66	54.0	-27.69	AV	6.00	100	V	Pass
3	8920.001	36.14	12.66	74.0	-37.86	Peak	6.00	100	V	Pass
4**	14332.000	40.62	24.28	54.0	-13.38	AV	5.00	100	V	Pass
4	14332.000	50.77	24.28	74.0	-23.23	Peak	5.00	100	V	Pass
5**	21172.001	44.61	24.09	54.0	-9.39	AV	7.00	100	V	Pass
5	21172.001	54.59	24.09	74.0	-19.41	Peak	7.00	100	V	Pass
6**	24088.001	46.32	23.28	54.0	-7.68	AV	8.00	100	V	Pass
6	24088.001	56.32	23.28	74.0	-17.68	Peak	8.00	100	V	Pass



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Test result

Project Number: STS1811226

Test Time: 2018-12-06_20.25.59

EUT Name: 3.5" Video Baby Monitor With Wi-Fi® Test Engineer: Barry

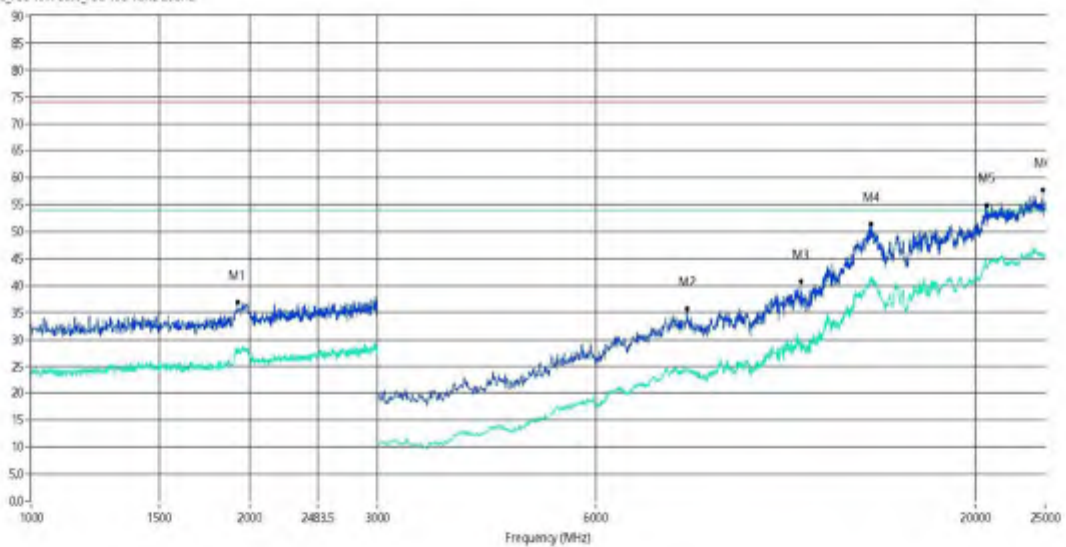
Mode: 802.11g_2462 Test Standard: FCC 15C

Model: MBP867CONNECTBU Work Addition: Normal

Temp.(oC): 24 Load:

Hum.: 61% Remark:
 Manufacturer:

RSE_FCC Test Case FCC 15C 1GHz-25GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1922.000	27.48	-1.08	54.0	-26.52	AV	12.00	100	H	Pass
1	1922.000	36.84	-1.08	74.0	-37.16	Peak	12.00	100	H	Pass
2**	8010.000	24.42	10.42	54.0	-29.58	AV	13.00	100	H	Pass
2	8010.000	35.69	10.42	74.0	-38.31	Peak	13.00	100	H	Pass
3**	11510.000	28.47	14.63	54.0	-25.53	AV	3.00	100	H	Pass
3	11510.000	40.76	14.63	74.0	-33.24	Peak	3.00	100	H	Pass
4**	14356.000	41.68	25.12	54.0	-12.32	AV	9.00	100	H	Pass
4	14356.000	51.44	25.12	74.0	-22.56	Peak	9.00	100	H	Pass
5**	20775.999	43.16	24.00	54.0	-10.84	AV	11.00	100	H	Pass
5	20775.999	54.84	24.00	74.0	-19.16	Peak	11.00	100	H	Pass
6**	24807.999	45.19	23.04	54.0	-8.81	AV	15.00	100	H	Pass
6	24807.999	57.70	23.04	74.0	-16.30	Peak	15.00	100	H	Pass

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Test result

Project Number: STS1811226

Test Time: 2018-12-06_20.26.00

EUT Name: 3.5" Video Baby Monitor With Wi-Fi® Test Engineer: Barry

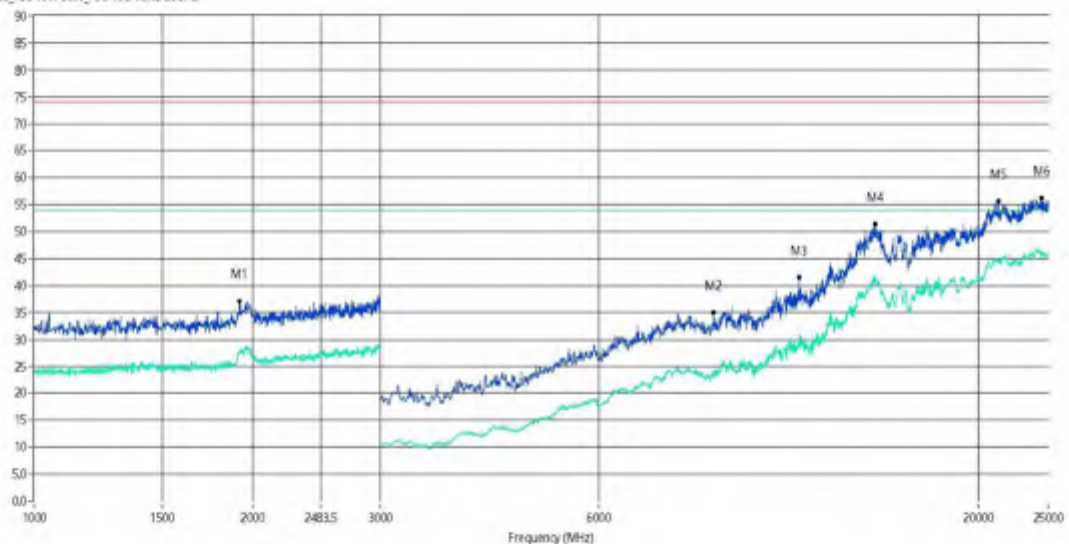
Mode: 802.11g_2462 Test Standard: FCC 15C

Model: MBP867CONNECTBU Work Addition: Normal

Temp.(oC): 24 Load:

Hum.: 61% Remark:
Manufacturer:

RSE_FCC Test Case FCC 15C 1GHz-25GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1920.000	27.63	-1.11	54.0	-26.37	AV	1.00	100	V	Pass
1	1920.000	37.02	-1.11	74.0	-36.98	Peak	1.00	100	V	Pass
2**	8640.000	23.66	10.67	54.0	-30.34	AV	13.00	100	V	Pass
2	8640.000	34.93	10.67	74.0	-39.07	Peak	13.00	100	V	Pass
3**	11340.000	30.88	16.89	54.0	-23.12	AV	3.00	100	V	Pass
3	11340.000	41.56	16.89	74.0	-32.44	Peak	3.00	100	V	Pass
4**	14404.000	41.11	24.76	54.0	-12.89	AV	1.00	100	V	Pass
4	14404.000	51.45	24.76	74.0	-22.55	Peak	1.00	100	V	Pass
5**	21304.001	44.61	24.06	54.0	-9.39	AV	3.00	100	V	Pass
5	21304.001	55.62	24.06	74.0	-18.38	Peak	3.00	100	V	Pass
6**	24459.999	45.30	23.16	54.0	-8.70	AV	4.00	100	V	Pass
6	24459.999	56.25	23.16	74.0	-17.75	Peak	4.00	100	V	Pass



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Test result

Project Number: STS1811226

Test Time: 2018-12-06_20.30.10

EUT Name: 3.5" Video Baby Monitor With Wi-Fi® Test Engineer: Barry

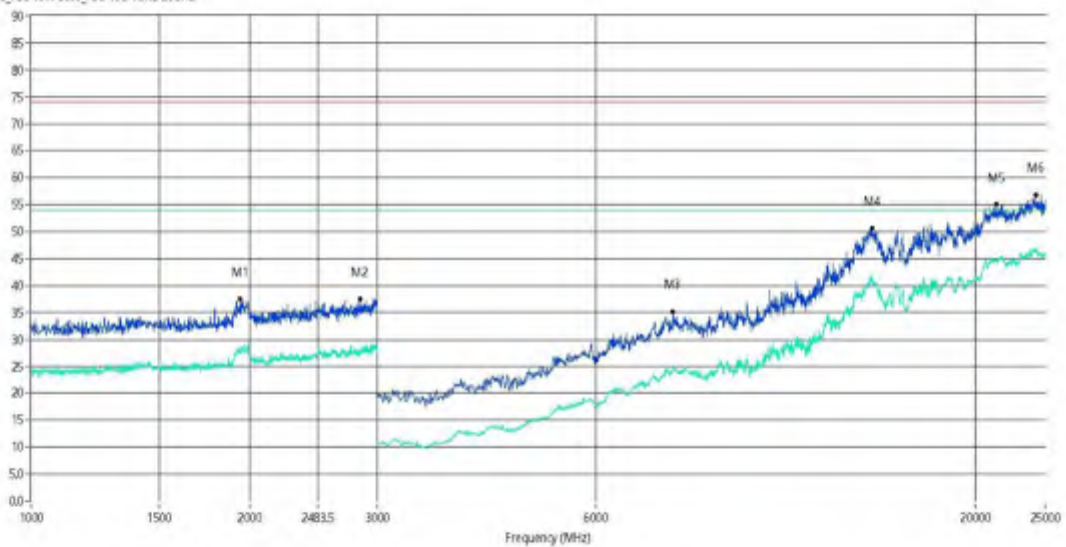
Mode: 802.11n(HT20)_2412 Test Standard: FCC 15C

Model: MBP867CONNECTBU Work Addition: Normal

Temp.(oC): 24 Load:

Hum.: 61% Remark:
 Manufacturer:

RSE_FCC Test Case FCC 15C 1GHz-25GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1942.000	27.25	-0.82	54.0	-26.75	AV	2.00	100	H	Pass
1	1942.000	37.43	-0.82	74.0	-36.57	Peak	2.00	100	H	Pass
2**	2836.000	27.17	0.88	54.0	-26.83	AV	2.00	100	H	Pass
2	2836.000	37.50	0.88	74.0	-36.50	Peak	2.00	100	H	Pass
3**	7660.000	24.63	10.67	54.0	-29.37	AV	13.00	100	H	Pass
3	7660.000	35.24	10.67	74.0	-38.76	Peak	13.00	100	H	Pass
4**	14416.000	42.01	25.52	54.0	-11.99	AV	9.00	100	H	Pass
4	14416.000	50.54	25.52	74.0	-23.46	Peak	9.00	100	H	Pass
5**	21400.001	44.64	24.03	54.0	-9.36	AV	11.00	100	H	Pass
5	21400.001	54.96	24.03	74.0	-19.04	Peak	11.00	100	H	Pass
6**	24231.999	46.64	23.23	54.0	-7.36	AV	8.00	100	H	Pass
6	24231.999	56.79	23.23	74.0	-17.21	Peak	8.00	100	H	Pass



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Test result

Project Number: STS1811226

Test Time: 2018-12-06_20.34.01

EUT Name: 3.5" Video Baby Monitor With Wi-Fi® Test Engineer: Barry

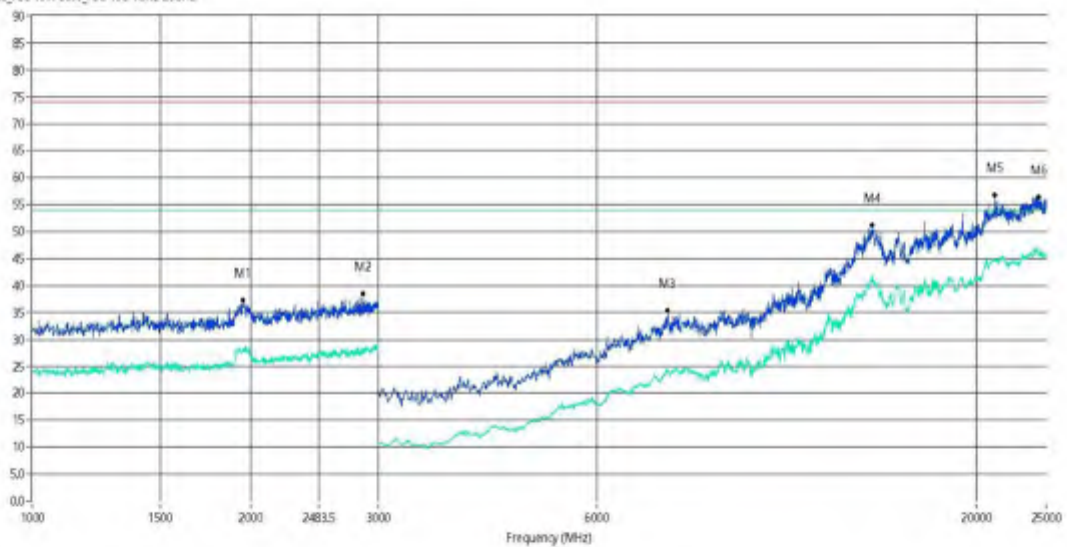
Mode: 802.11n(HT20)_2412 Test Standard: FCC 15C

Model: MBP867CONNECTBU Work Addition: Normal

Temp.(oC): 24 Load:

Hum.: 61% Remark:
 Manufacturer:

RSE_FCC Test Case FCC 15C 1GHz-25GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1950.000	27.76	-0.73	54.0	-26.24	AV	7.00	100	V	Pass
1	1950.000	37.25	-0.73	74.0	-36.75	Peak	7.00	100	V	Pass
2**	2858.000	27.42	1.38	54.0	-26.58	AV	10.00	100	V	Pass
2	2858.000	38.52	1.38	74.0	-35.48	Peak	10.00	100	V	Pass
3**	7520.000	24.41	10.71	54.0	-29.59	AV	9.00	100	V	Pass
3	7520.000	35.28	10.71	74.0	-38.72	Peak	9.00	100	V	Pass
4**	14356.000	41.73	25.12	54.0	-12.27	AV	9.00	100	V	Pass
4	14356.000	51.16	25.12	74.0	-22.84	Peak	9.00	100	V	Pass
5**	21220.000	44.69	24.08	54.0	-9.31	AV	7.00	100	V	Pass
5	21220.000	56.76	24.08	74.0	-17.24	Peak	7.00	100	V	Pass
6**	24256.000	46.81	23.22	54.0	-7.19	AV	15.00	100	V	Pass
6	24256.000	56.60	23.22	74.0	-17.40	Peak	15.00	100	V	Pass



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Test result

Project Number: STS1811226

Test Time: 2018-12-07_23.12.57

EUT Name: 3.5" Video Baby Monitor With Wi-Fi® Test Engineer: Barry

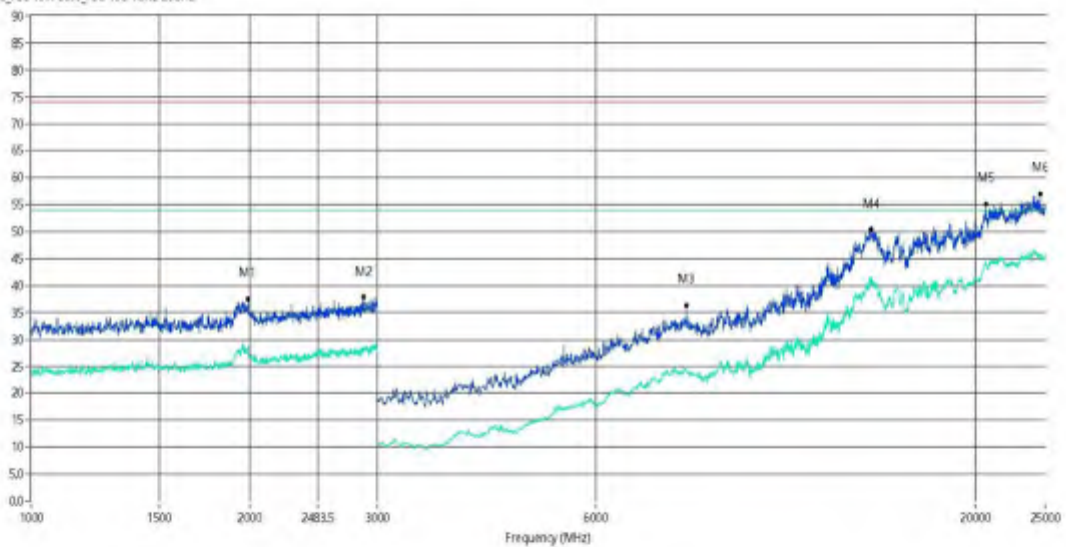
Mode: 802.11n(HT20)_2437 Test Standard: FCC 15C

Model: MBP867CONNECTBU Work Addition: Normal

Temp.(oC): 24 Load:

Hum.: 61% Remark:
 Manufacturer:

RSE_FCC Test Case FCC 15C 1GHz-25GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1990.000	28.67	-0.40	54.0	-25.33	AV	15.00	100	H	Pass
1	1990.000	37.47	-0.40	74.0	-36.53	Peak	15.00	100	H	Pass
2**	2872.000	27.64	1.39	54.0	-26.36	AV	9.00	100	H	Pass
2	2872.000	37.76	1.39	74.0	-36.24	Peak	9.00	100	H	Pass
3**	8000.000	24.44	10.93	54.0	-29.56	AV	12.00	100	H	Pass
3	8000.000	36.30	10.93	74.0	-37.70	Peak	12.00	100	H	Pass
4**	14356.000	41.20	25.12	54.0	-12.80	AV	1.00	100	H	Pass
4	14356.000	50.32	25.12	74.0	-23.68	Peak	1.00	100	H	Pass
5**	20692.001	44.15	23.90	54.0	-9.85	AV	3.00	100	H	Pass
5	20692.001	55.10	23.90	74.0	-18.90	Peak	3.00	100	H	Pass
6**	24580.000	45.48	23.12	54.0	-8.52	AV	4.00	100	H	Pass
6	24580.000	56.94	23.12	74.0	-17.06	Peak	4.00	100	H	Pass



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Test result

Project Number: STS1811226

Test Time: 2018-12-07_23.08.57

EUT Name: 3.5" Video Baby Monitor With Wi-Fi® Test Engineer: Barry

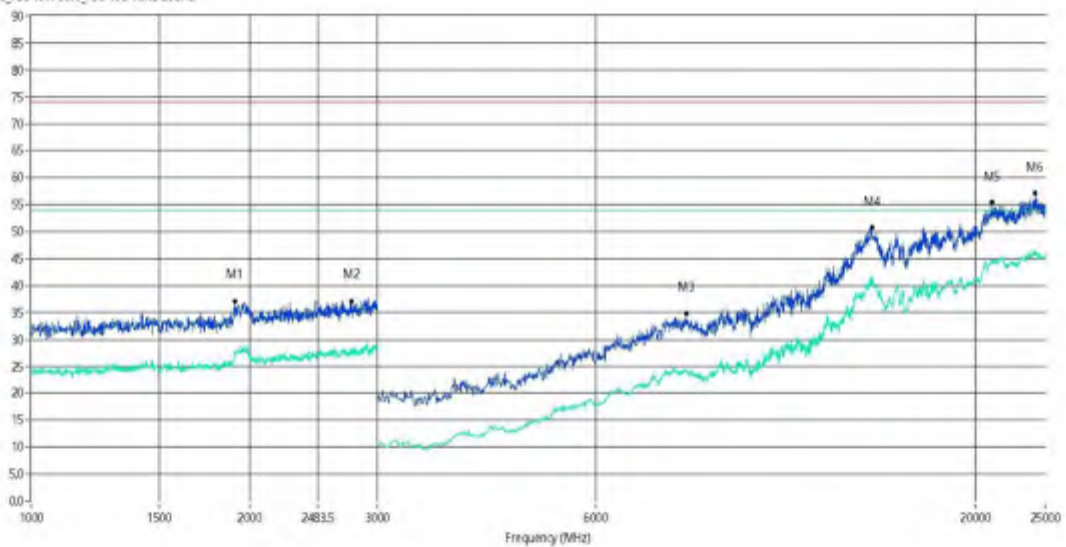
Mode: 802.11n(HT20)_2437 Test Standard: FCC 15C

Model: MBP867CONNECTBU Work Addition: Normal

Temp.(oC): 24 Load:

Hum.: 61% Remark:
 Manufacturer:

RSE_FCC Test Case FCC 15C 1GHz-25GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1908.000	27.71	-1.52	54.0	-26.29	AV	10.00	100	V	Pass
1	1908.000	37.07	-1.52	74.0	-36.93	Peak	10.00	100	V	Pass
2**	2766.000	28.05	0.94	54.0	-25.95	AV	12.00	100	V	Pass
2	2766.000	37.17	0.94	74.0	-36.83	Peak	12.00	100	V	Pass
3**	8000.000	24.55	10.93	54.0	-29.45	AV	15.00	100	V	Pass
3	8000.000	34.79	10.93	74.0	-39.21	Peak	15.00	100	V	Pass
4**	14416.000	41.74	25.52	54.0	-12.26	AV	13.00	100	V	Pass
4	14416.000	50.71	25.52	74.0	-23.29	Peak	13.00	100	V	Pass
5**	21099.999	44.71	24.11	54.0	-9.29	AV	15.00	100	V	Pass
5	21099.999	55.34	24.11	74.0	-18.66	Peak	15.00	100	V	Pass
6**	24207.999	46.25	23.24	54.0	-7.75	AV	4.00	100	V	Pass
6	24207.999	57.08	23.24	74.0	-16.92	Peak	4.00	100	V	Pass



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Test result

Project Number: STS1811226

Test Time: 2018-12-06_20.38.07

EUT Name: 3.5" Video Baby Monitor With Wi-Fi® Test Engineer: Barry

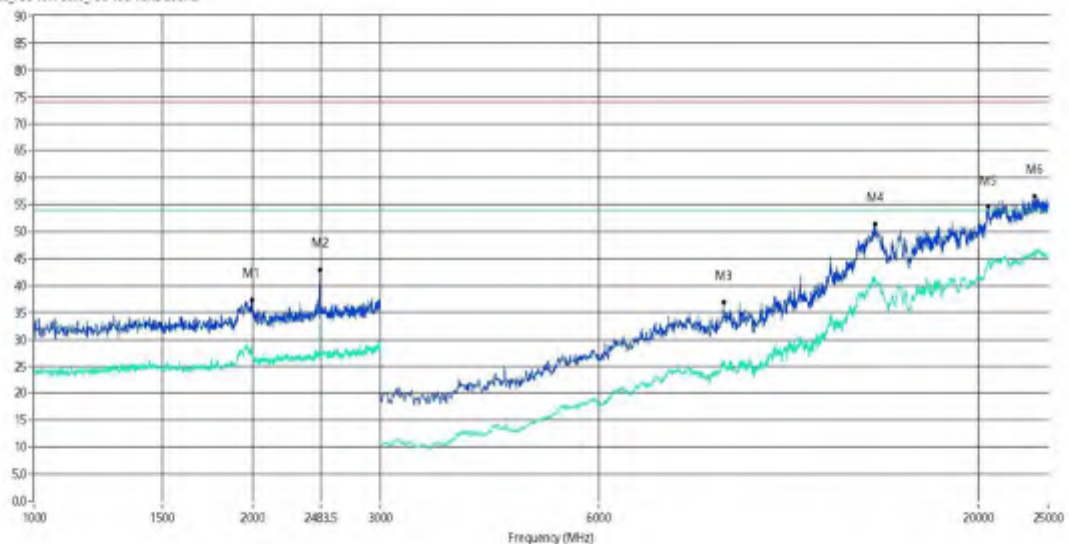
Mode: 802.11n(HT20)_2462 Test Standard: FCC 15C

Model: MBP867CONNECTBU Work Addition: Normal

Temp.(oC): 24 Load:

Hum.: 61% Remark:
 Manufacturer:

RSE_FCC Test Case FCC 15C 1GHz-25GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1994.000	27.34	-1.37	54.0	-26.66	AV	3.00	100	H	Pass
1	1994.000	37.25	-1.37	74.0	-36.75	Peak	3.00	100	H	Pass
2**	2476.000	32.60	-0.84	54.0	-21.40	AV	6.00	100	H	Pass
2	2476.000	42.88	-0.84	74.0	-31.12	Peak	6.00	100	H	Pass
3**	8920.001	26.17	12.66	54.0	-27.83	AV	13.00	100	H	Pass
3	8920.001	36.92	12.66	74.0	-37.08	Peak	13.00	100	H	Pass
4**	14416.000	41.29	25.52	54.0	-12.71	AV	5.00	100	H	Pass
4	14416.000	51.44	25.52	74.0	-22.56	Peak	5.00	100	H	Pass
5**	20644.000	44.11	23.84	54.0	-9.89	AV	7.00	100	H	Pass
5	20644.000	54.58	23.84	74.0	-19.42	Peak	7.00	100	H	Pass
6**	23943.999	45.59	23.32	54.0	-8.41	AV	4.00	100	H	Pass
6	23943.999	56.53	23.32	74.0	-17.47	Peak	4.00	100	H	Pass



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Test result

Project Number: STS1811226

Test Time: 2018-12-06_20.42.01

EUT Name: 3.5" Video Baby Monitor With Wi-Fi® Test Engineer: Barry

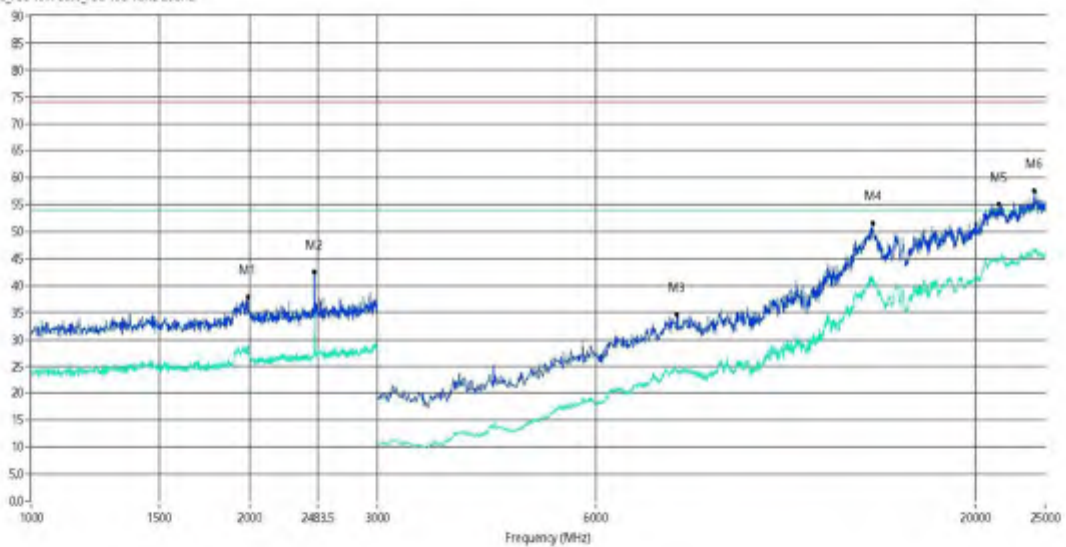
Mode: 802.11n(HT20)_2462 Test Standard: FCC 15C

Model: MBP867CONNECTBU Work Addition: Normal

Temp.(oC): 24 Load:

Hum.: 61% Remark:
 Manufacturer:

RSE_FCC Test Case FCC 15C 1GHz-25GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1988.000	27.85	-0.41	54.0	-26.15	AV	14.00	100	V	Pass
1	1988.000	37.93	-0.41	74.0	-36.07	Peak	14.00	100	V	Pass
2**	2456.000	32.03	-0.76	54.0	-21.97	AV	15.00	100	V	Pass
2	2456.000	42.52	-0.76	74.0	-31.48	Peak	15.00	100	V	Pass
3**	7770.000	23.77	9.90	54.0	-30.23	AV	2.00	100	V	Pass
3	7770.000	34.61	9.90	74.0	-39.39	Peak	2.00	100	V	Pass
4**	14464.000	41.32	24.63	54.0	-12.68	AV	13.00	100	V	Pass
4	14464.000	51.52	24.63	74.0	-22.48	Peak	13.00	100	V	Pass
5**	21568.000	44.59	23.99	54.0	-9.41	AV	11.00	100	V	Pass
5	21568.000	55.09	23.99	74.0	-18.91	Peak	11.00	100	V	Pass
6**	24124.000	46.13	23.27	54.0	-7.87	AV	12.00	100	V	Pass
6	24124.000	57.55	23.27	74.0	-16.45	Peak	12.00	100	V	Pass



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Test result

Project Number: STS1811226

Test Time: 2018-12-06_20.44.44

EUT Name: 3.5" Video Baby Monitor With Wi-Fi® Test Engineer: Barry

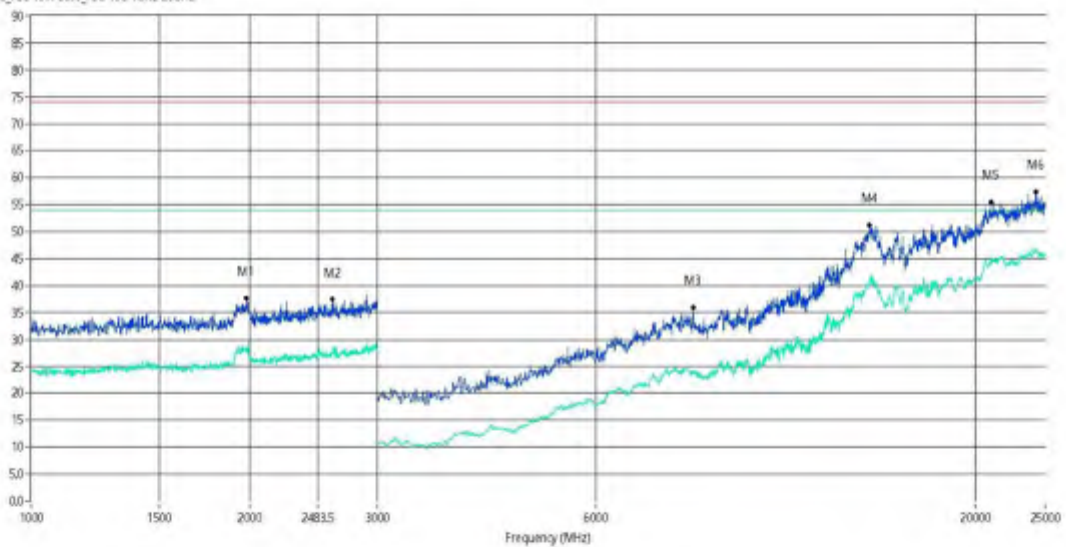
Mode: 802.11n(HT40)_2422 Test Standard: FCC 15C

Model: MBP867CONNECTBU Work Addition: Normal

Temp.(oC): 24 Load:

Hum.: 61% Remark:
 Manufacturer:

RSE_FCC Test Case FCC 15C 1GHz-25GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1980.000	28.49	-0.46	54.0	-25.51	AV	2.00	100	H	Pass
1	1980.000	37.69	-0.46	74.0	-36.31	Peak	2.00	100	H	Pass
2**	2604.000	27.49	0.05	54.0	-26.51	AV	2.00	100	H	Pass
2	2604.000	37.37	0.05	74.0	-36.63	Peak	2.00	100	H	Pass
3**	8170.000	24.06	10.28	54.0	-29.94	AV	6.00	100	H	Pass
3	8170.000	35.90	10.28	74.0	-38.10	Peak	6.00	100	H	Pass
4**	14308.000	40.63	24.03	54.0	-13.37	AV	9.00	100	H	Pass
4	14308.000	51.18	24.03	74.0	-22.82	Peak	9.00	100	H	Pass
5**	21028.000	44.59	24.13	54.0	-9.41	AV	15.00	100	H	Pass
5	21028.000	55.50	24.13	74.0	-18.50	Peak	15.00	100	H	Pass
6**	24280.001	46.38	23.21	54.0	-7.62	AV	4.00	100	H	Pass
6	24280.001	57.32	23.21	74.0	-16.68	Peak	4.00	100	H	Pass



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Test result

Project Number: STS1811226

Test Time: 2018-12-06_20.48.38

EUT Name: 3.5" Video Baby Monitor With Wi-Fi® Test Engineer: Barry

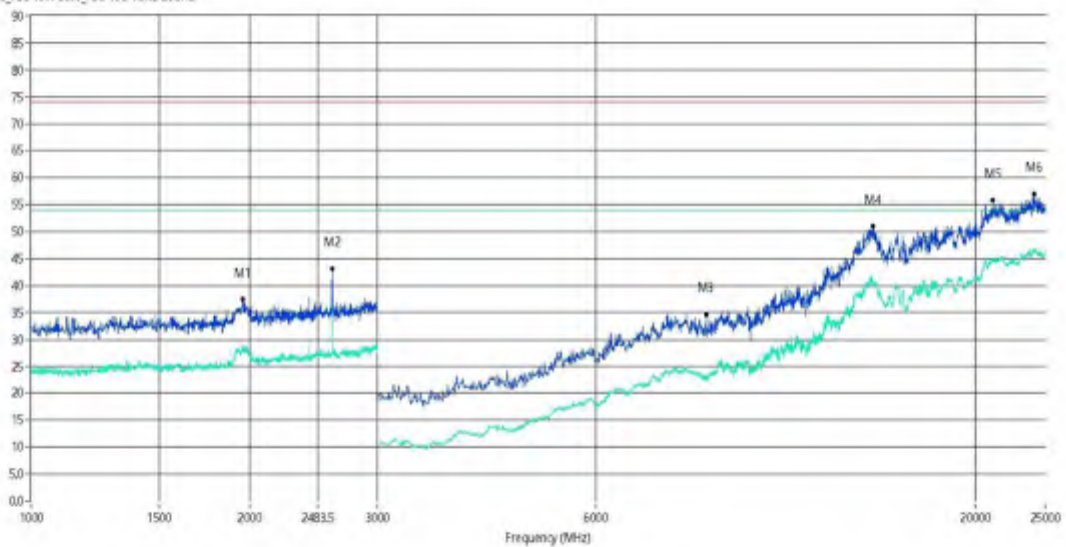
Mode: 802.11n(HT40)_2422 Test Standard: FCC 15C

Model: MBP867CONNECTBU Work Addition: Normal

Temp.(oC): 24 Load:

Hum.: 61% Remark:
 Manufacturer:

RSE_FCC Test Case FCC 15C 1GHz-25GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1958.000	28.15	-0.64	54.0	-25.85	AV	7.00	100	V	Pass
1	1958.000	37.37	-0.64	74.0	-36.63	Peak	7.00	100	V	Pass
2**	2598.000	27.64	0.03	54.0	-26.36	AV	10.00	100	V	Pass
2	2598.000	43.00	0.03	74.0	-31.00	Peak	10.00	100	V	Pass
3**	8520.000	23.27	10.50	54.0	-30.73	AV	6.00	100	V	Pass
3	8520.000	34.66	10.50	74.0	-39.34	Peak	6.00	100	V	Pass
4**	14452.000	40.93	24.56	54.0	-13.07	AV	9.00	100	V	Pass
4	14452.000	50.91	24.56	74.0	-23.09	Peak	9.00	100	V	Pass
5**	21172.001	44.57	24.09	54.0	-9.43	AV	11.00	100	V	Pass
5	21172.001	55.88	24.09	74.0	-18.12	Peak	11.00	100	V	Pass
6**	24148.001	46.26	23.26	54.0	-7.74	AV	12.00	100	V	Pass
6	24148.001	57.02	23.26	74.0	-16.98	Peak	12.00	100	V	Pass



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 Zhuoke Science Park, Chongqing Road, Fuyong, Baoan District, Shenzhen, China
 Tel: (86) 0755-36886288 FAX: (86) 0755-36886277 <http://www.stsapp.com>

Test result

Project Number: STS1811226

Test Time: 2018-12-07_23.04.41

EUT Name: 3.5" Video Baby Monitor With Wi-Fi® Test Engineer: Barry

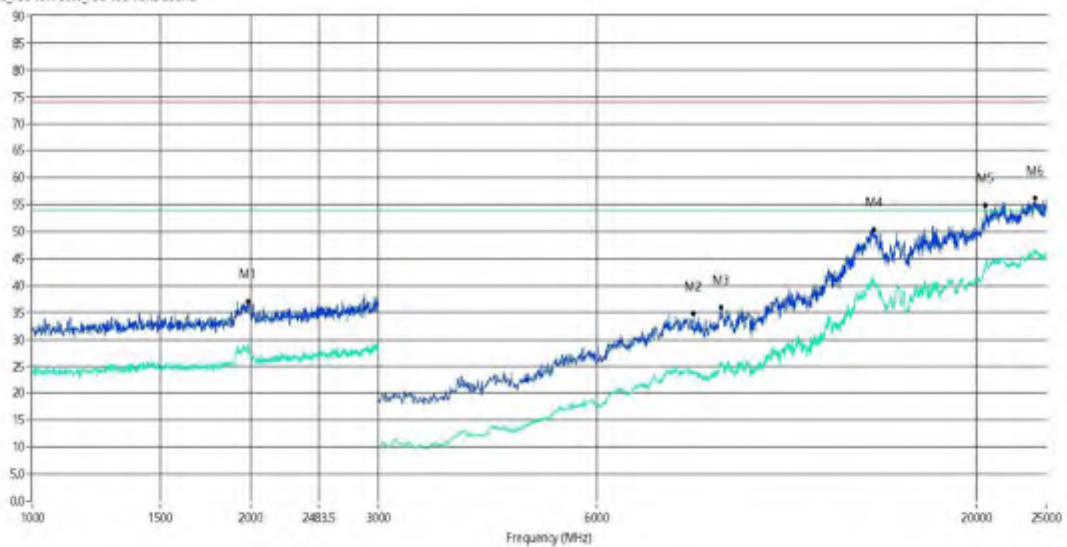
Mode: 802.11n(HT40)_2437 Test Standard: FCC 15C

Model: MBP867CONNECTBU Work Addition: Normal

Temp.(oC): 24 Load:

Hum.: 61% Remark:
 Manufacturer:

RSE_FCC Test Case FCC 15C 1GHz-25GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1984.000	29.06	-0.43	54.0	-24.94	AV	3.00	100	H	Pass
1	1984.000	37.15	-0.43	74.0	-36.85	Peak	3.00	100	H	Pass
2**	8160.000	24.49	10.53	54.0	-29.51	AV	15.00	100	H	Pass
2	8160.000	34.78	10.53	74.0	-39.22	Peak	15.00	100	H	Pass
3**	8900.000	25.36	12.29	54.0	-28.64	AV	2.00	100	H	Pass
3	8900.000	35.86	12.29	74.0	-38.14	Peak	2.00	100	H	Pass
4**	14452.000	40.53	24.56	54.0	-13.47	AV	9.00	100	H	Pass
4	14452.000	50.49	24.56	74.0	-23.51	Peak	9.00	100	H	Pass
5**	20608.000	43.44	23.79	54.0	-10.56	AV	3.00	100	H	Pass
5	20608.000	54.87	23.79	74.0	-19.13	Peak	3.00	100	H	Pass
6**	24100.000	46.11	23.27	54.0	-7.89	AV	8.00	100	H	Pass
6	24100.000	56.26	23.27	74.0	-17.74	Peak	8.00	100	H	Pass



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Test result

Project Number: STS1811226

Test Time: 2018-12-07_23.00.10

EUT Name: 3.5" Video Baby Monitor With Wi-Fi® Test Engineer: Barry

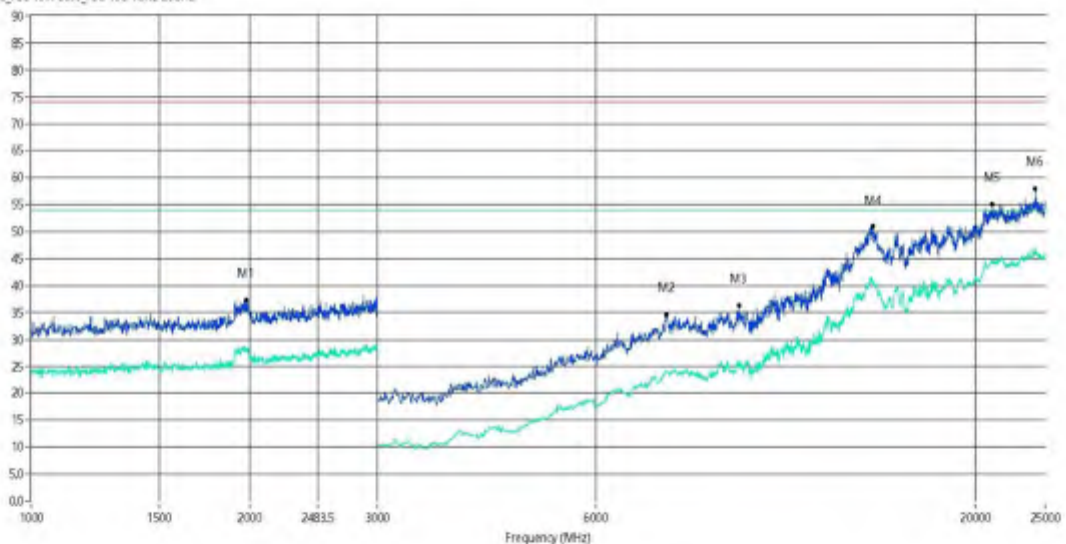
Mode: 802.11n(HT40)_2437 Test Standard: FCC 15C

Model: MBP867CONNECTBU Work Addition: Normal

Temp.(oC): 24 Load:

Hum.: 61% Remark:
 Manufacturer:

RSE_FCC Test Case FCC 15C 1GHz-25GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1980.000	27.97	-0.46	54.0	-26.03	AV	14.00	100	V	Pass
1	1980.000	37.35	-0.46	74.0	-36.65	Peak	14.00	100	V	Pass
2**	7500.000	23.94	10.47	54.0	-30.06	AV	5.00	100	V	Pass
2	7500.000	34.52	10.47	74.0	-39.48	Peak	5.00	100	V	Pass
3**	9450.000	25.13	11.27	54.0	-28.87	AV	9.00	100	V	Pass
3	9450.000	36.22	11.27	74.0	-37.76	Peak	9.00	100	V	Pass
4**	14452.000	40.82	24.56	54.0	-13.18	AV	15.00	100	V	Pass
4	14452.000	50.90	24.56	74.0	-23.10	Peak	15.00	100	V	Pass
5**	21112.001	44.84	24.11	54.0	-9.16	AV	11.00	100	V	Pass
5	21112.001	55.01	24.11	74.0	-18.99	Peak	11.00	100	V	Pass
6**	24220.000	47.08	23.23	54.0	-6.92	AV	8.00	100	V	Pass
6	24220.000	57.93	23.23	74.0	-16.07	Peak	8.00	100	V	Pass

扫码一测即知
无线更多数据

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Test result

Project Number: STS1811226

Test Time: 2018-12-06_20.52.47

EUT Name: 3.5" Video Baby Monitor With Wi-Fi® Test Engineer: Barry

Mode: 802.11n(HT40)_2452 Test Standard: FCC 15C

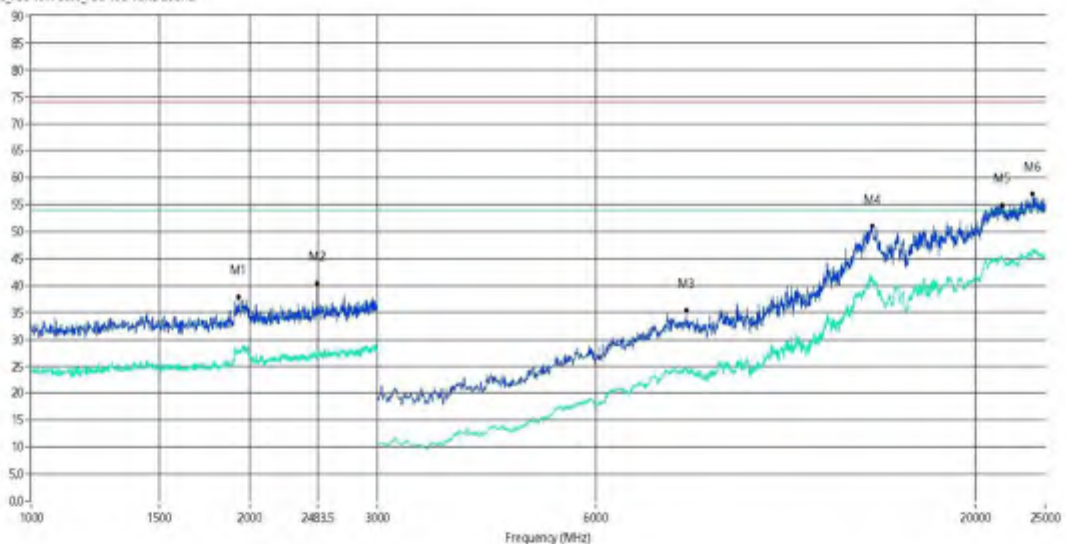
Model: MBP867CONNECTBU Work Addition: Normal

Temp.(oC): 24 Load:

Hum.: 61% Remark:

Manufacturer:

RSE_FCC Test Case FCC 15C 1GHz-25GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1928.000	27.73	-1.00	54.0	-26.27	AV	4.00	100	H	Pass
1	1928.000	37.82	-1.00	74.0	-36.18	Peak	4.00	100	H	Pass
2**	2476.000	26.83	-0.84	54.0	-27.17	AV	4.00	100	H	Pass
2	2476.000	40.32	-0.84	74.0	-33.68	Peak	4.00	100	H	Pass
3**	8000.000	24.90	10.93	54.0	-29.10	AV	2.00	100	H	Pass
3	8000.000	35.35	10.93	74.0	-38.65	Peak	2.00	100	H	Pass
4**	14404.000	41.54	24.76	54.0	-12.46	AV	5.00	100	H	Pass
4	14404.000	50.97	24.76	74.0	-23.03	Peak	5.00	100	H	Pass
5**	21784.001	45.53	23.94	54.0	-8.47	AV	3.00	100	H	Pass
5	21784.001	54.90	23.94	74.0	-19.10	Peak	3.00	100	H	Pass
6**	24015.999	46.83	23.30	54.0	-7.17	AV	12.00	100	H	Pass
6	24015.999	56.97	23.30	74.0	-17.03	Peak	12.00	100	H	Pass



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Test result

Project Number: STS1811226

Test Time: 2018-12-06_20.56.56

EUT Name: 3.5" Video Baby Monitor With Wi-Fi® Test Engineer: Barry

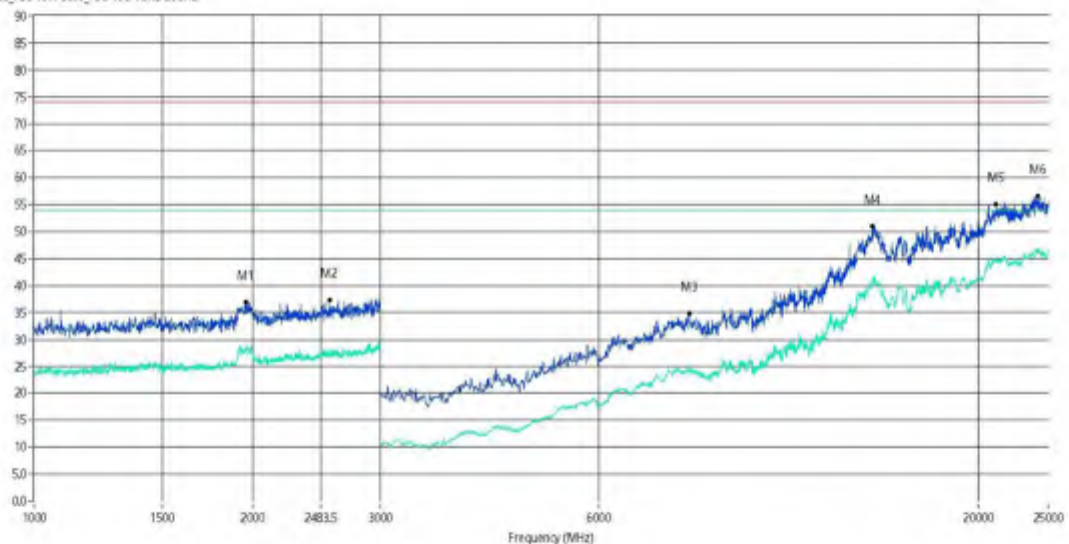
Mode: 802.11n(HT40)_2452 Test Standard: FCC 15C

Model: MBP867CONNECTBU Work Addition: Normal

Temp.(oC): 24 Load:

Hum.: 61% Remark:
 Manufacturer:

RSE_FCC Test Case FCC 15C 1GHz-25GHz



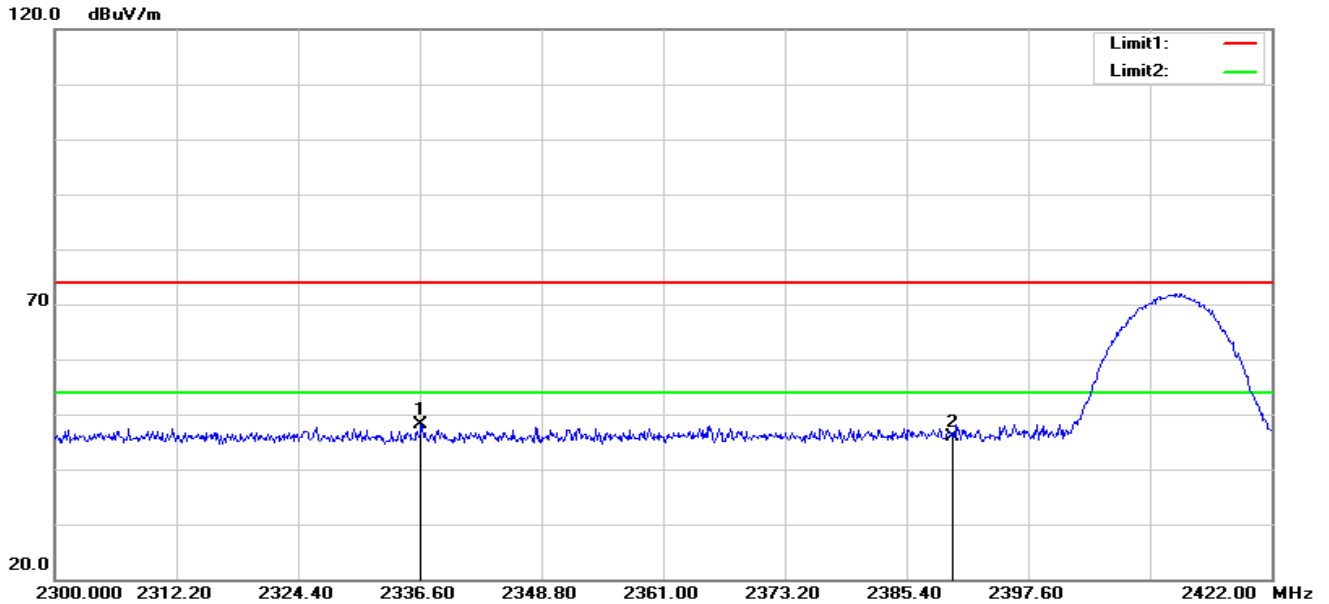
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1958.000	28.19	-0.64	54.0	-25.81	AV	9.00	100	V	Pass
1	1958.000	36.87	-0.64	74.0	-37.13	Peak	9.00	100	V	Pass
2**	2550.000	27.51	-0.27	54.0	-26.49	AV	15.00	100	V	Pass
2	2550.000	37.35	-0.27	74.0	-36.65	Peak	15.00	100	V	Pass
3**	7990.000	24.70	10.65	54.0	-29.30	AV	6.00	100	V	Pass
3	7990.000	34.77	10.65	74.0	-39.23	Peak	6.00	100	V	Pass
4**	14284.000	40.82	24.46	54.0	-13.18	AV	13.00	100	V	Pass
4	14284.000	51.03	24.46	74.0	-22.97	Peak	13.00	100	V	Pass
5**	21172.001	44.57	24.09	54.0	-9.43	AV	3.00	100	V	Pass
5	21172.001	55.10	24.09	74.0	-18.90	Peak	3.00	100	V	Pass
6**	24196.000	46.13	23.24	54.0	-7.87	AV	8.00	100	V	Pass
6	24196.000	56.68	23.24	74.0	-17.32	Peak	8.00	100	V	Pass



3.3.7 TEST RESULTS (BAND EDGE REQUIREMENTS)

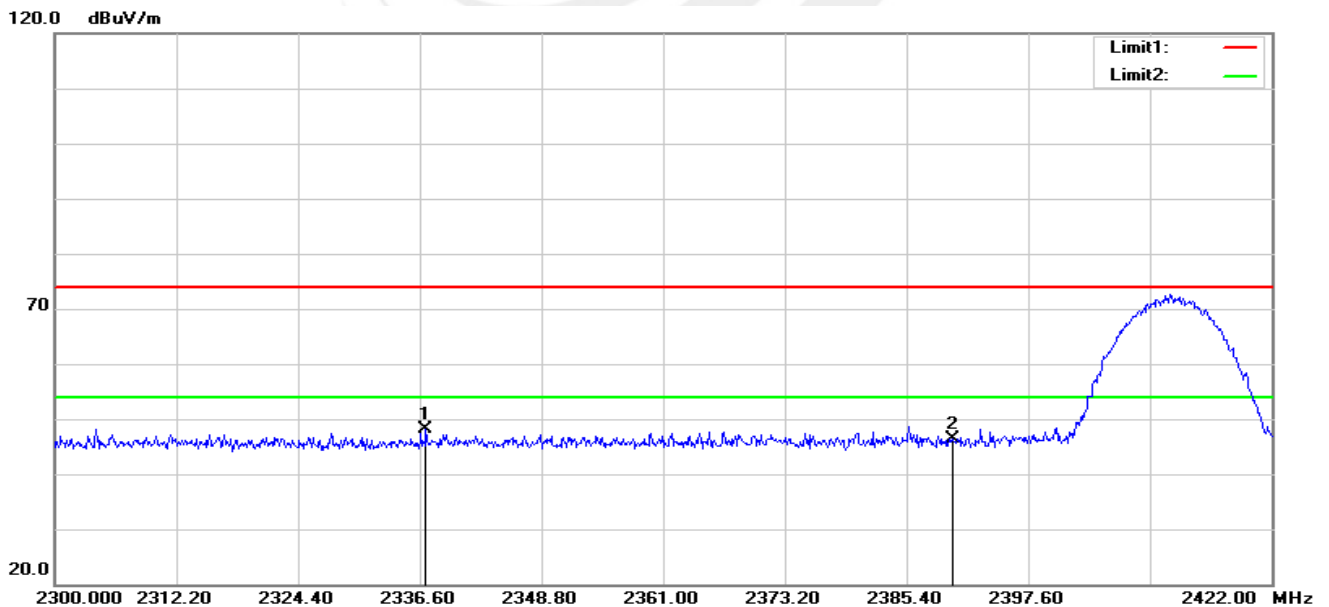
802.11 b-Low

Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2336.722	59.29	-11.10	48.19	74.00	-25.81	peak
2	2390.000	56.71	-10.75	45.96	74.00	-28.04	peak

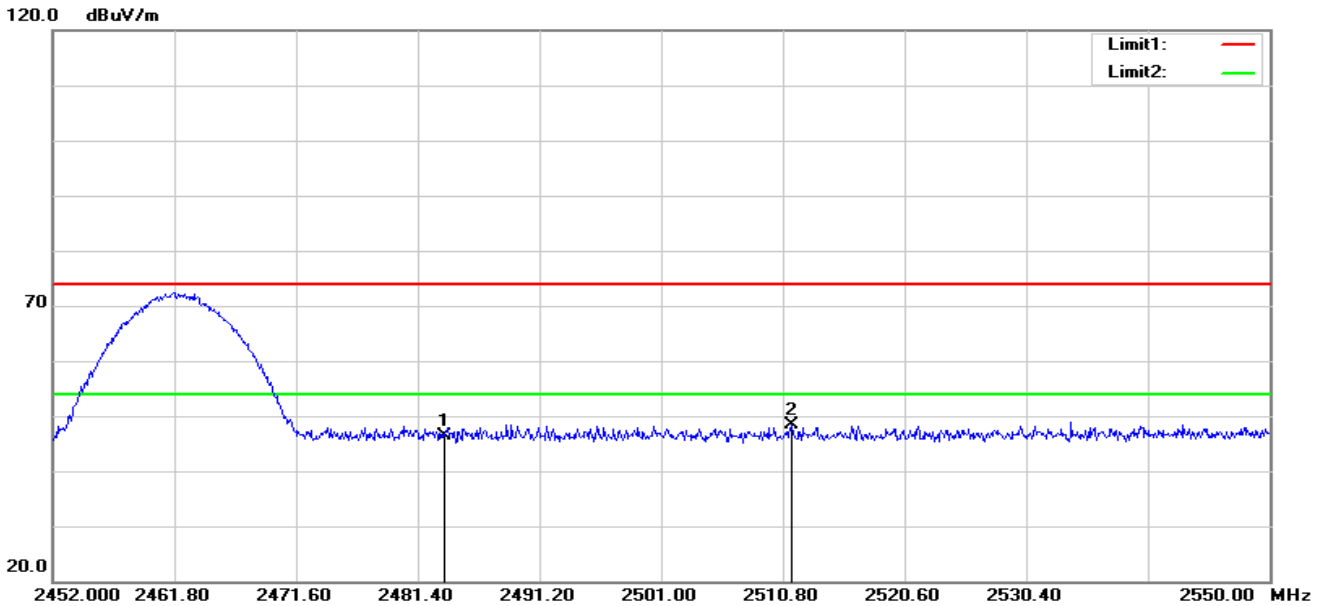
Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2337.210	59.21	-11.09	48.12	74.00	-25.88	peak
2	2390.000	57.09	-10.75	46.34	74.00	-27.66	peak

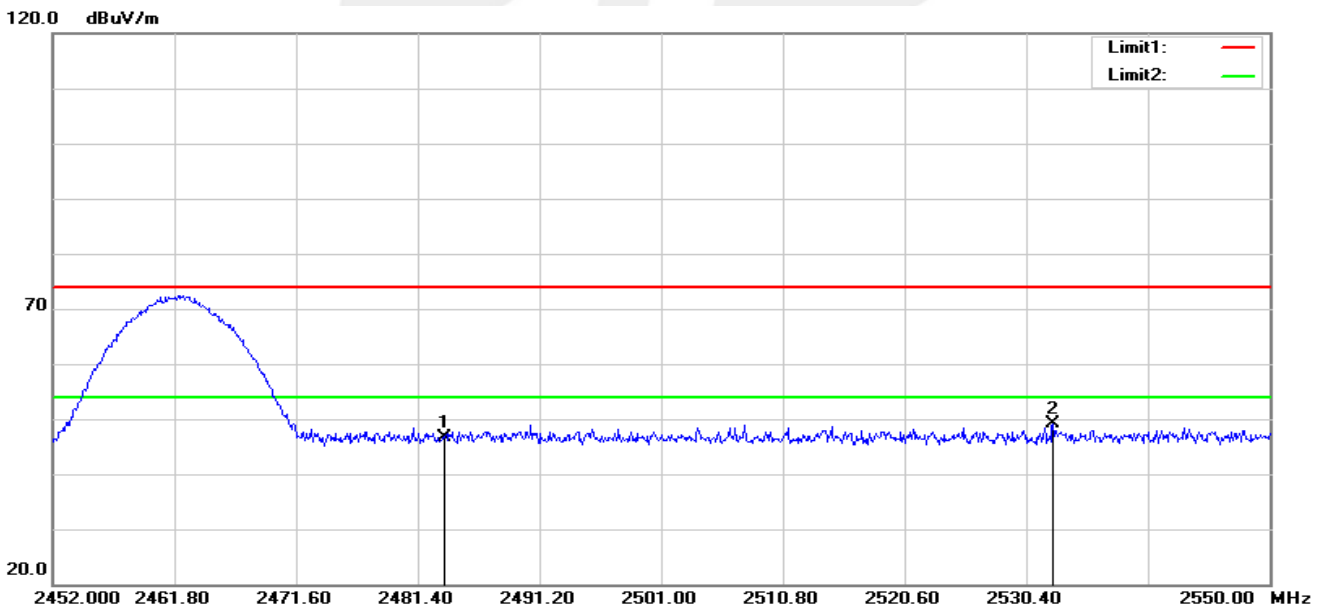


802.11 b-High
Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	56.69	-10.29	46.40	74.00	-27.60	peak
2	2511.486	58.45	-10.18	48.27	74.00	-25.73	peak

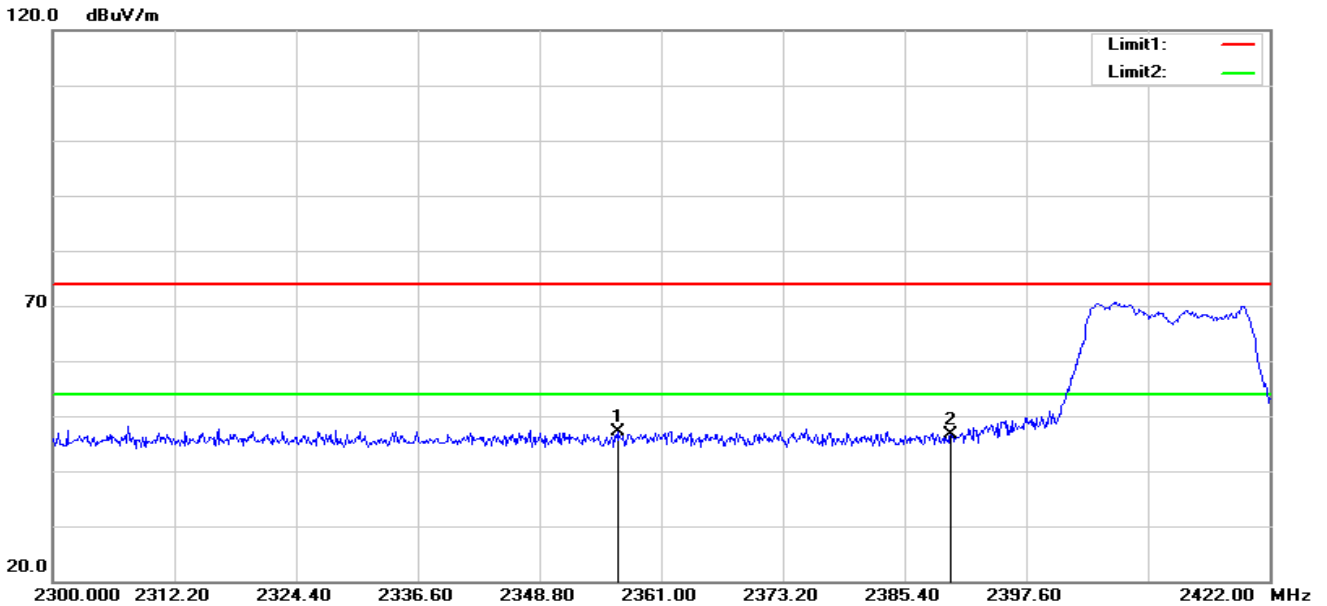
Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	56.98	-10.29	46.69	74.00	-27.31	peak
2	2532.556	59.14	-10.12	49.02	74.00	-24.98	peak

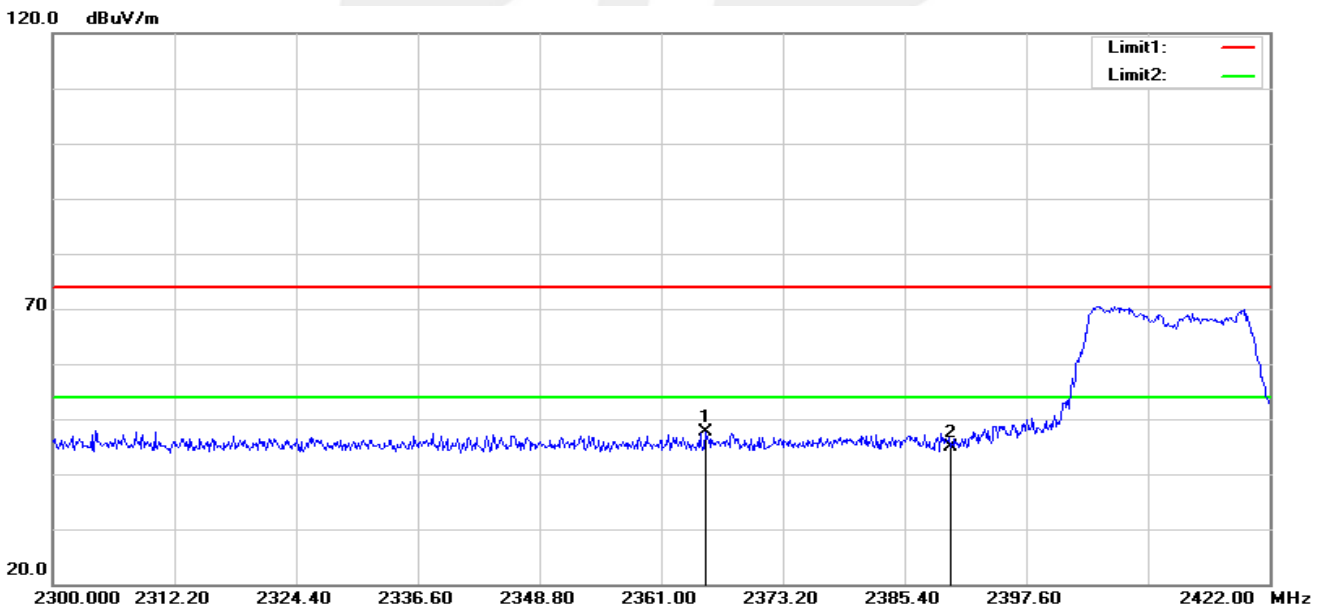


802.11 g-Low
Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2356.730	58.14	-10.97	47.17	74.00	-26.83	peak
2	2390.000	57.34	-10.75	46.59	74.00	-27.41	peak

Vertical

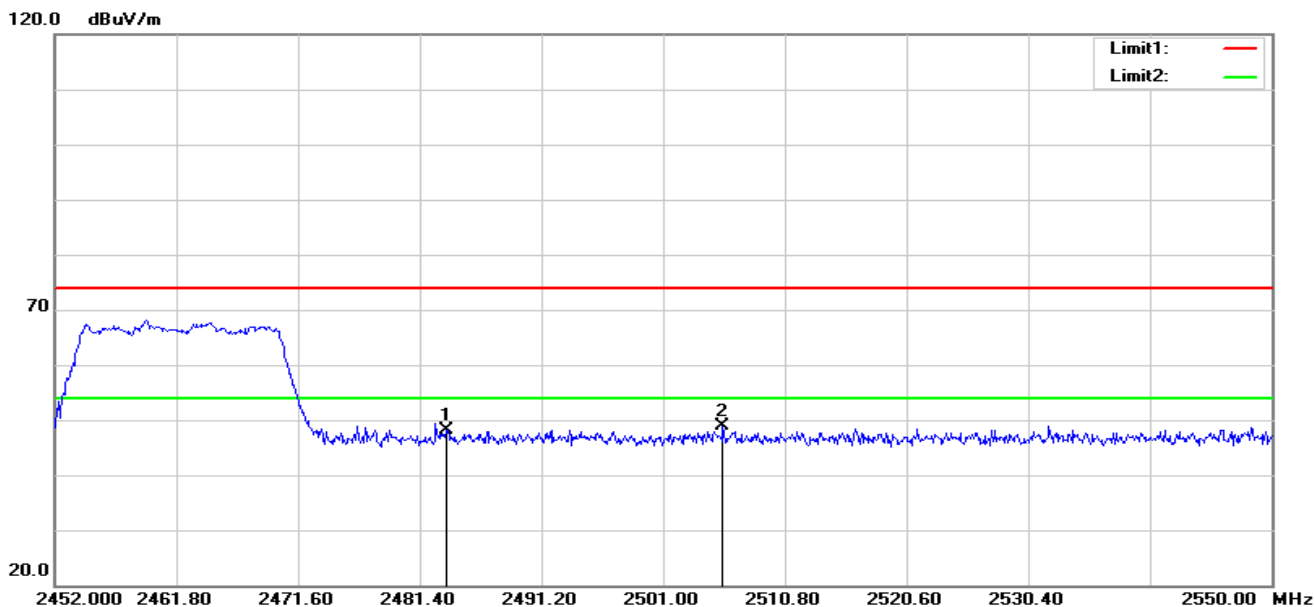


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2365.392	58.50	-10.92	47.58	74.00	-26.42	peak
2	2390.000	55.74	-10.75	44.99	74.00	-29.01	peak



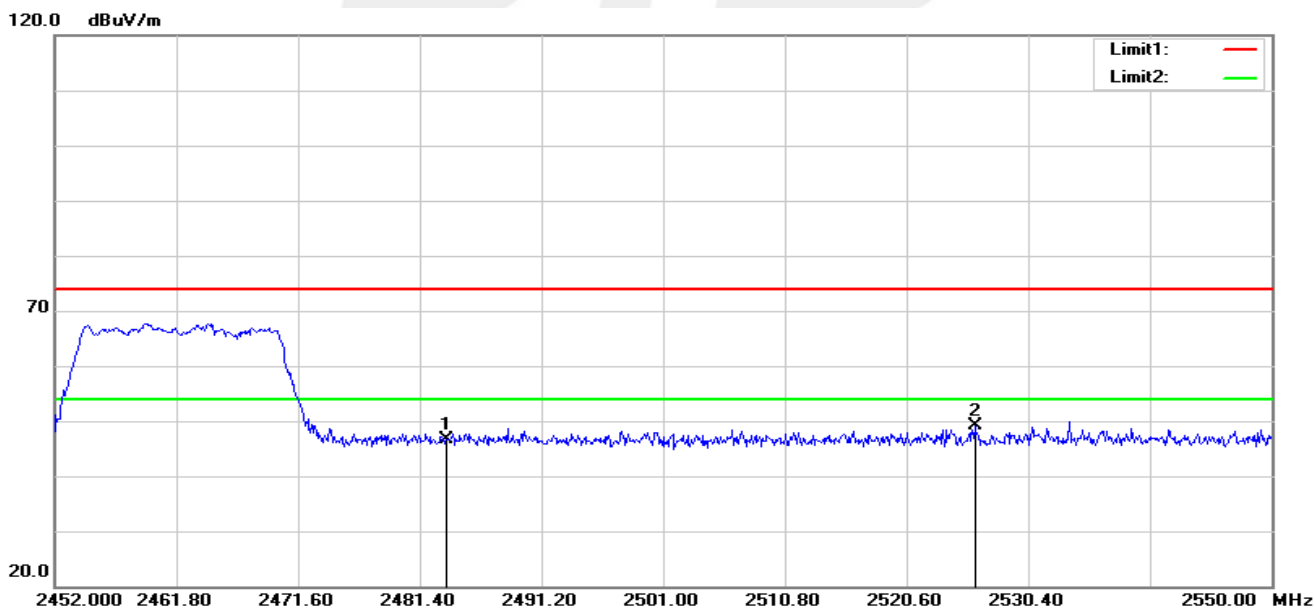
802.11 g-High

Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	58.38	-10.29	48.09	74.00	-25.91	peak
2	2505.802	59.06	-10.19	48.87	74.00	-25.13	peak

Vertical

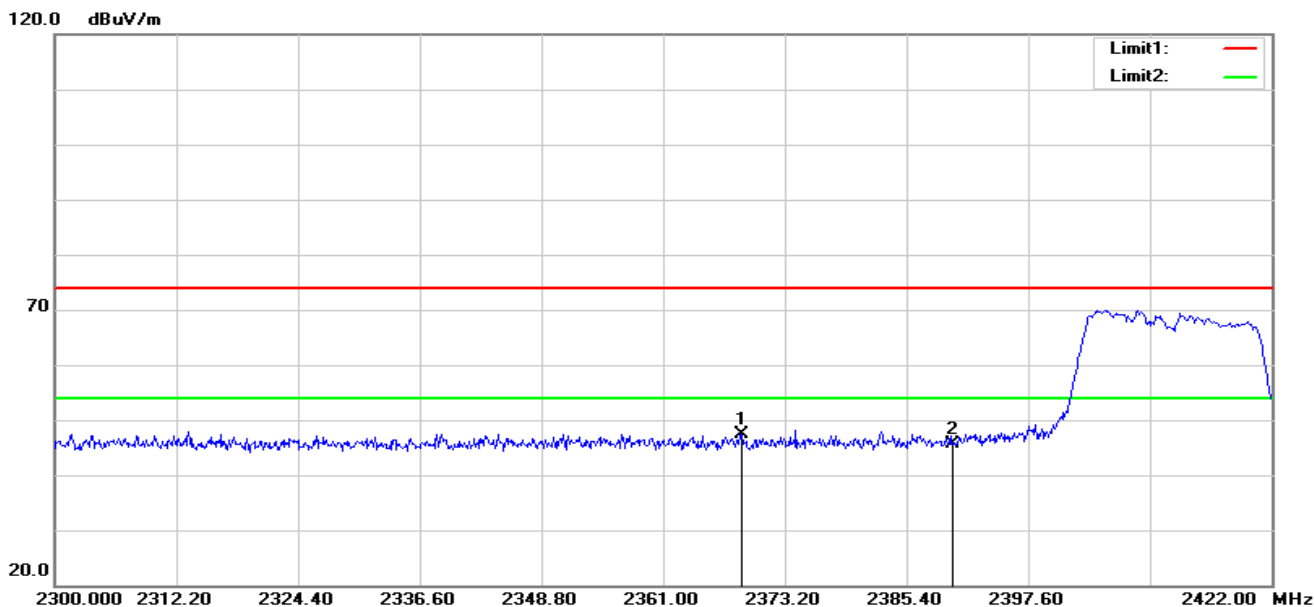


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	56.81	-10.29	46.52	74.00	-27.48	peak
2	2526.088	59.34	-10.14	49.20	74.00	-24.80	peak



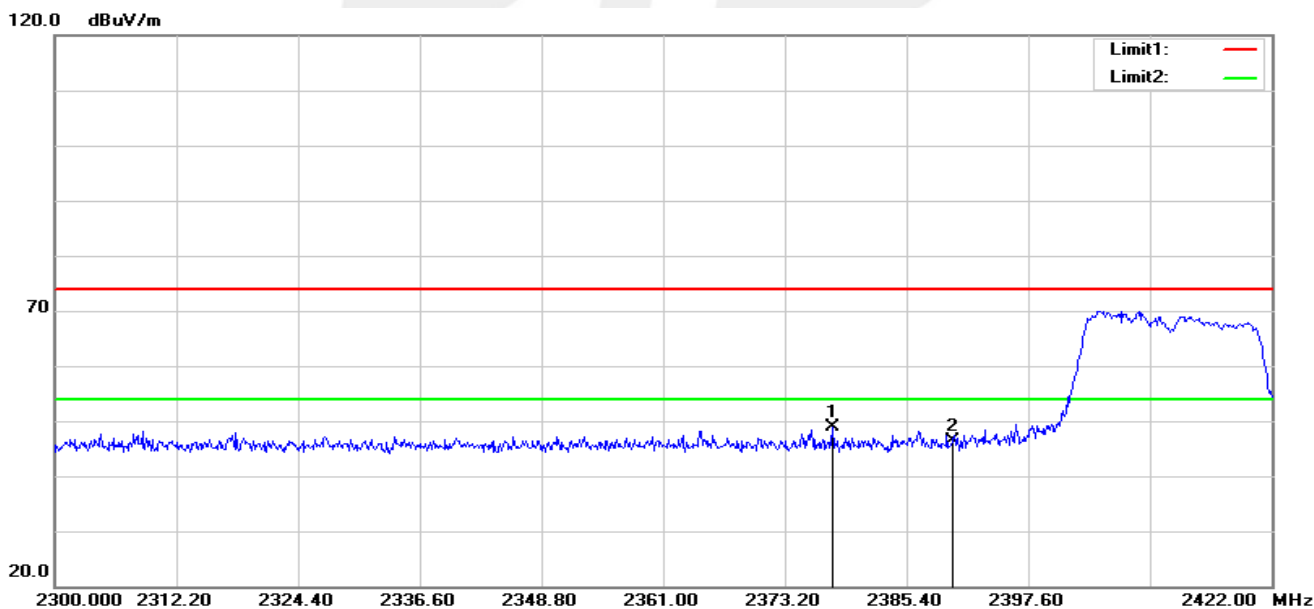
802.11 n(HT20)-Low

Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2368.930	58.36	-10.90	47.46	74.00	-26.54	peak
2	2390.000	56.30	-10.75	45.55	74.00	-28.45	peak

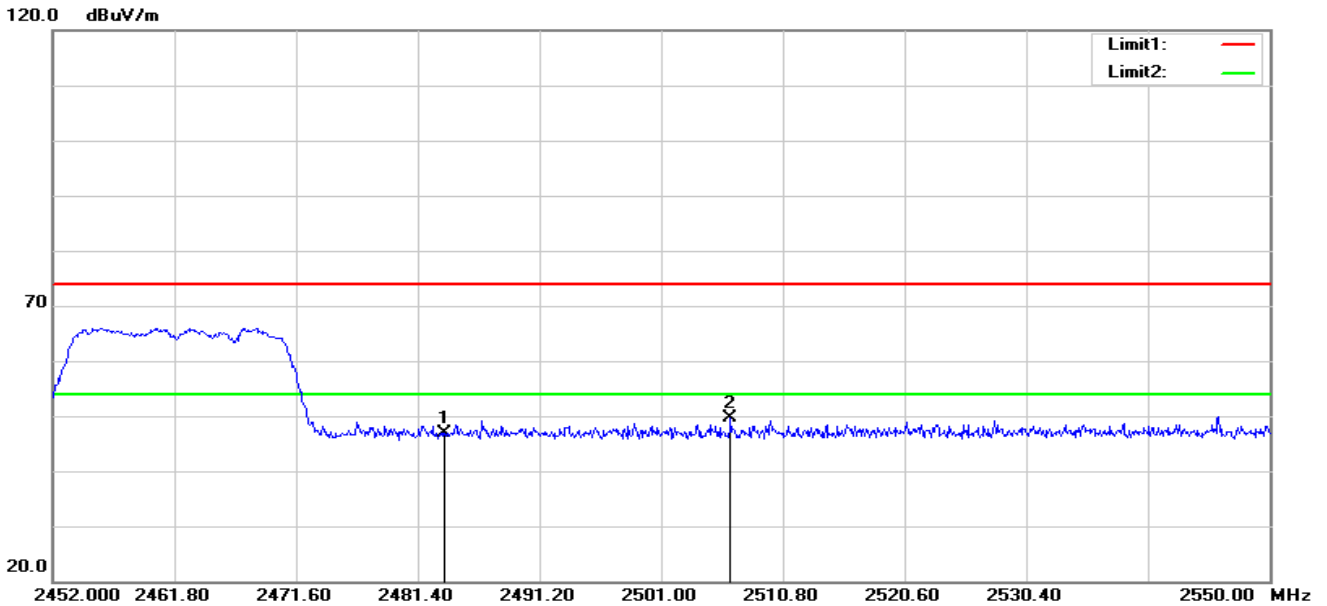
Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2377.958	59.71	-10.83	48.88	74.00	-25.12	peak
2	2390.000	57.22	-10.75	46.47	74.00	-27.53	peak

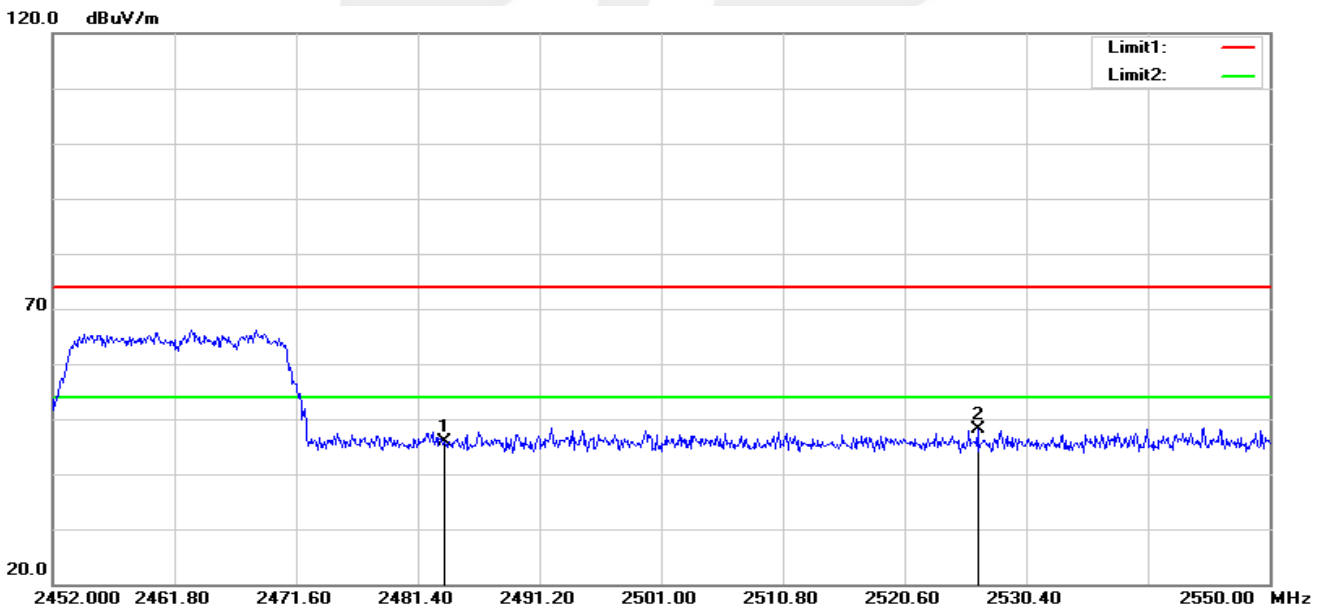


802.11 n(HT20)-High
Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	57.12	-10.29	46.83	74.00	-27.17	peak
2	2506.586	59.72	-10.19	49.53	74.00	-24.47	peak

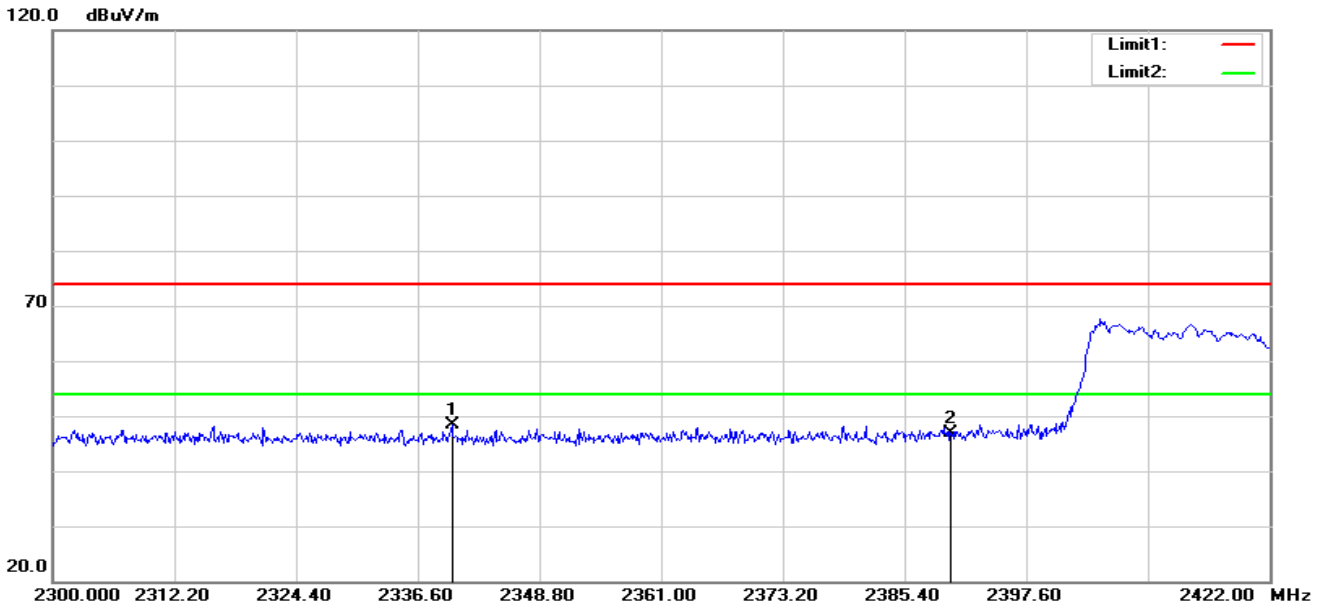
Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	56.06	-10.29	45.77	74.00	-28.23	peak
2	2526.480	58.17	-10.14	48.03	74.00	-25.97	peak

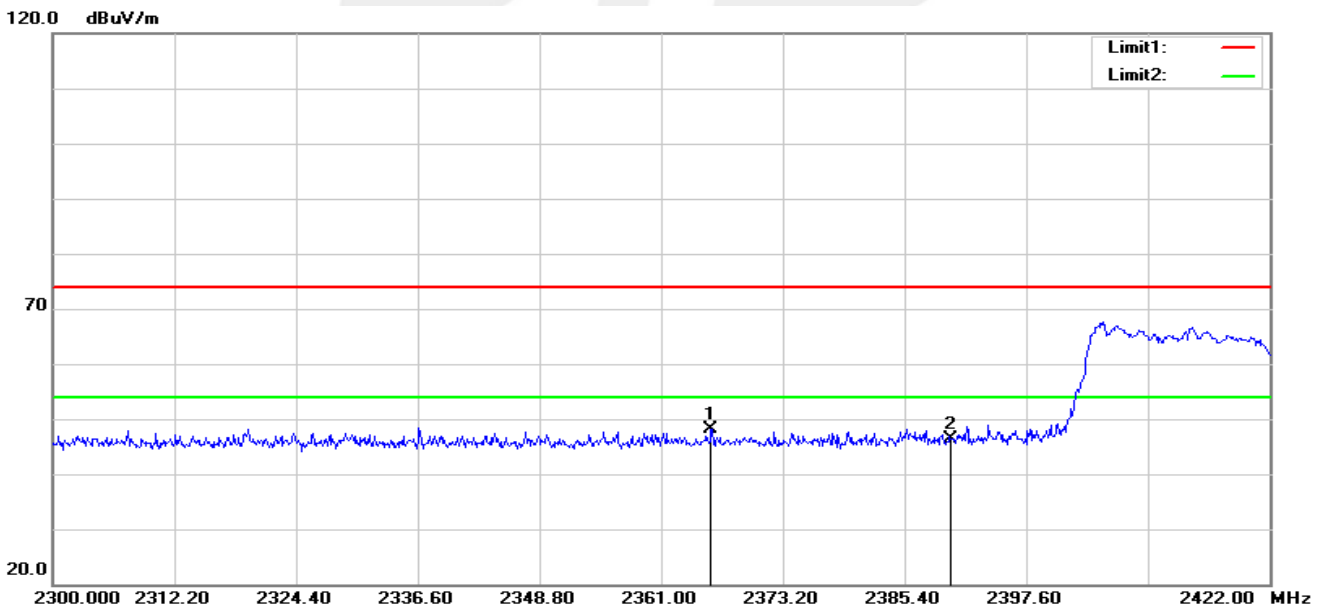


802.11 n(HT40)-Low
Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2340.016	59.49	-11.08	48.41	74.00	-25.59	peak
2	2390.000	57.68	-10.75	46.93	74.00	-27.07	peak

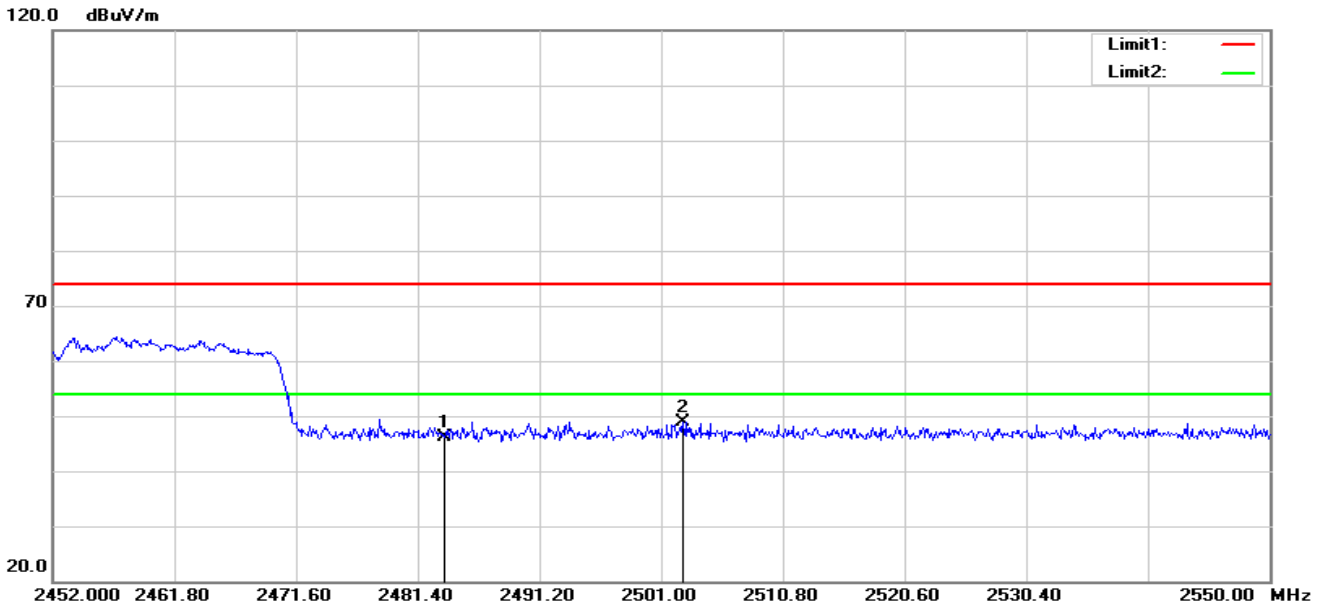
Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2366.002	59.07	-10.91	48.16	74.00	-25.84	peak
2	2390.000	57.19	-10.75	46.44	74.00	-27.56	peak

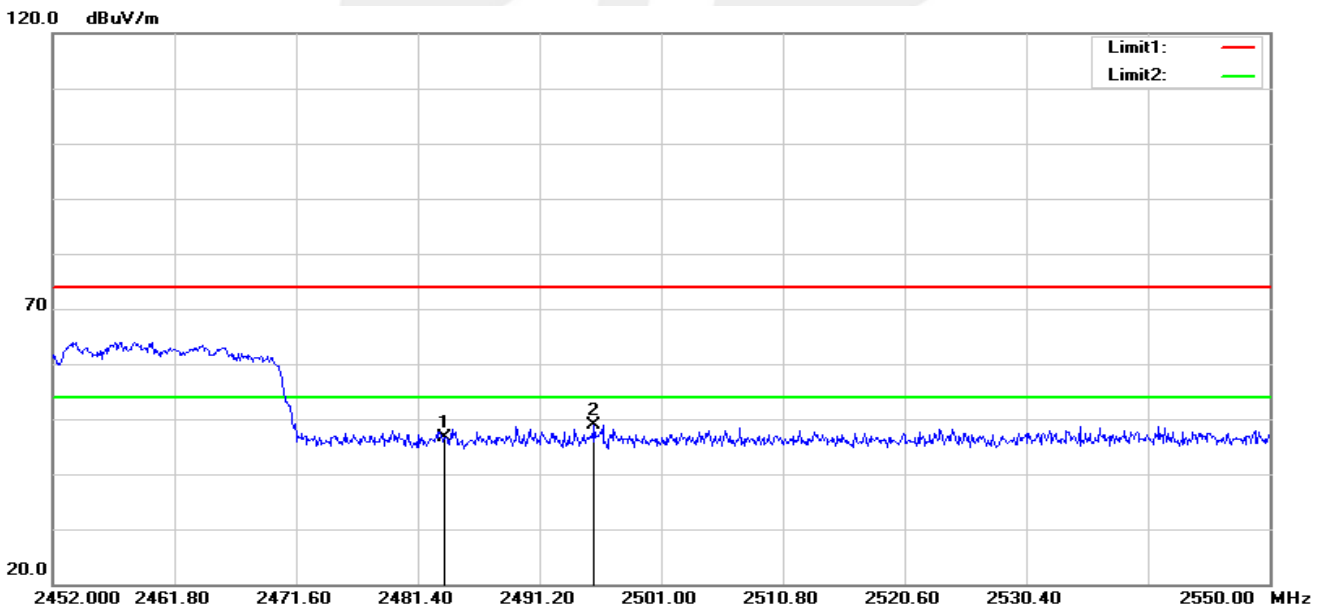


802.11 n(HT40)-High
Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	56.49	-10.29	46.20	74.00	-27.80	peak
2	2502.764	59.18	-10.21	48.97	74.00	-25.03	peak

Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	56.84	-10.29	46.55	74.00	-27.45	peak
2	2495.610	59.08	-10.23	48.85	74.00	-25.15	peak



4 CONDUCTED SPURIOUS & BAND EDGE EMISSION

4.1 LIMIT

According to FCC Part 15.247(d) and RSS-247 Clause 5.5, in any 100kHz 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 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

4.2 TEST PROCEDURE

Spectrum Parameter	Setting
Detector	Peak
Start/Stop Frequency	30 MHz to 10th carrier harmonic
RB / VB (emission in restricted band)	100 KHz/300 KHz
Trace-Mode:	Max hold

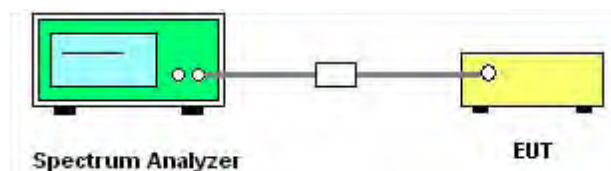
For Band edge

Spectrum Parameter	Setting
Detector	Peak
Start/Stop Frequency	Lower Band Edge: 2300 to 2422 MHz Upper Band Edge: 2452 to 2500 MHz
RB / VB (emission in restricted band)	100 KHz/300 KHz
Trace-Mode:	Max hold

4.3 DEVIATION FROM STANDARD

No deviation.

4.4 TEST SETUP



The EUT which is powered by the Battery, is coupled to the Spectrum Analyzer; the RF load attached to the EUT antenna terminal is 50 Ohm; the path loss as the factor is calibrated to correct the reading.

Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. In order to make an accurate measurement, set the span greater than RBW.

4.5 EUT OPERATION CONDITIONS

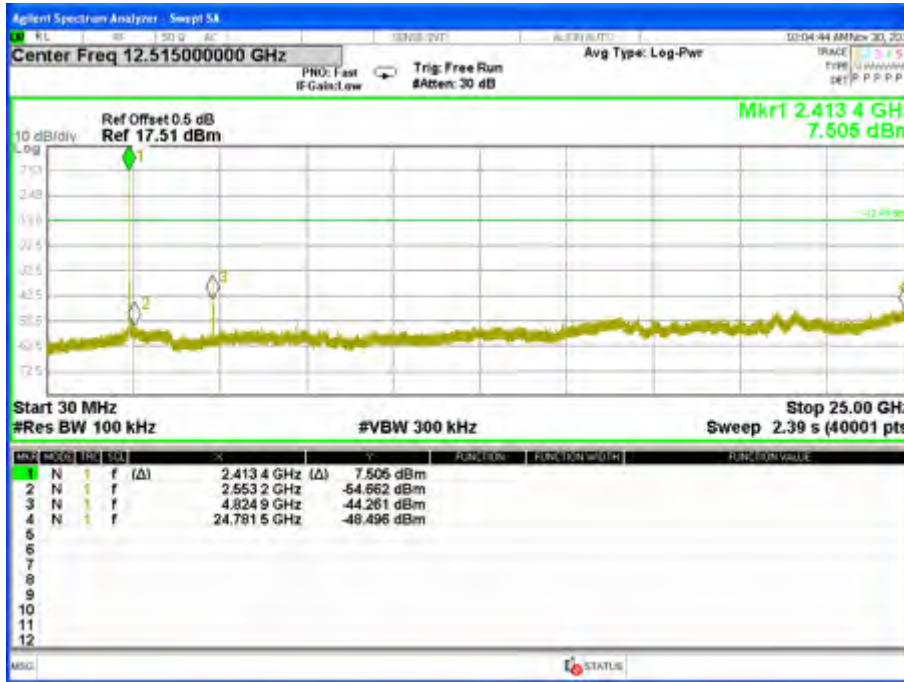
The EUT tested system was configured as the statements of 2.3 Unless otherwise a special operating condition is specified in the follows during the testing.



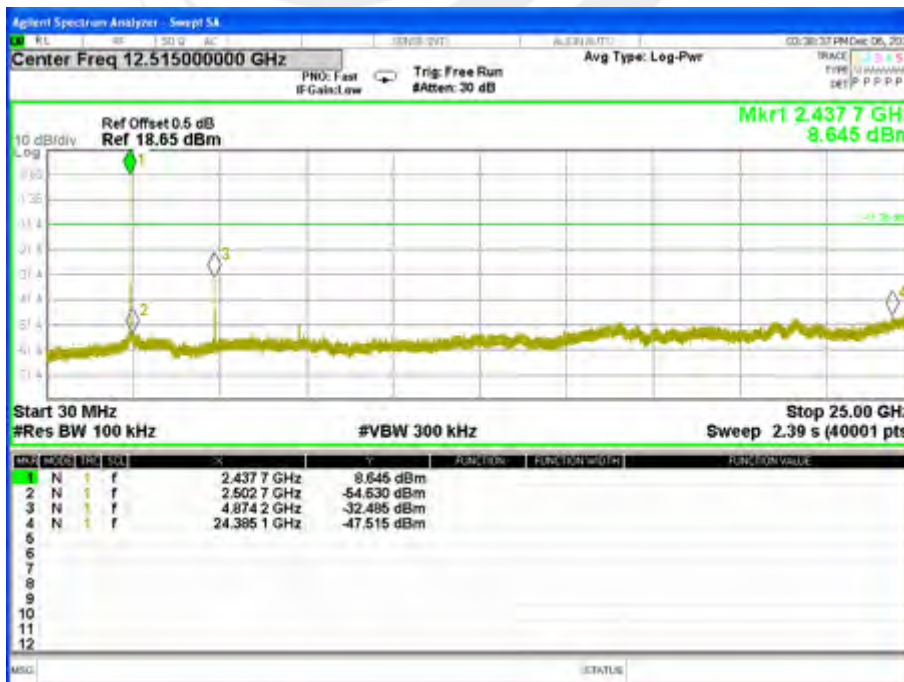
4.6 TEST RESULTS

Temperature :	25°C	Relative Humidity :	60%
Test Voltage :	AC 120V/60Hz	Test Mode :	TX b Mode /CH01, CH06, CH11

CH 01

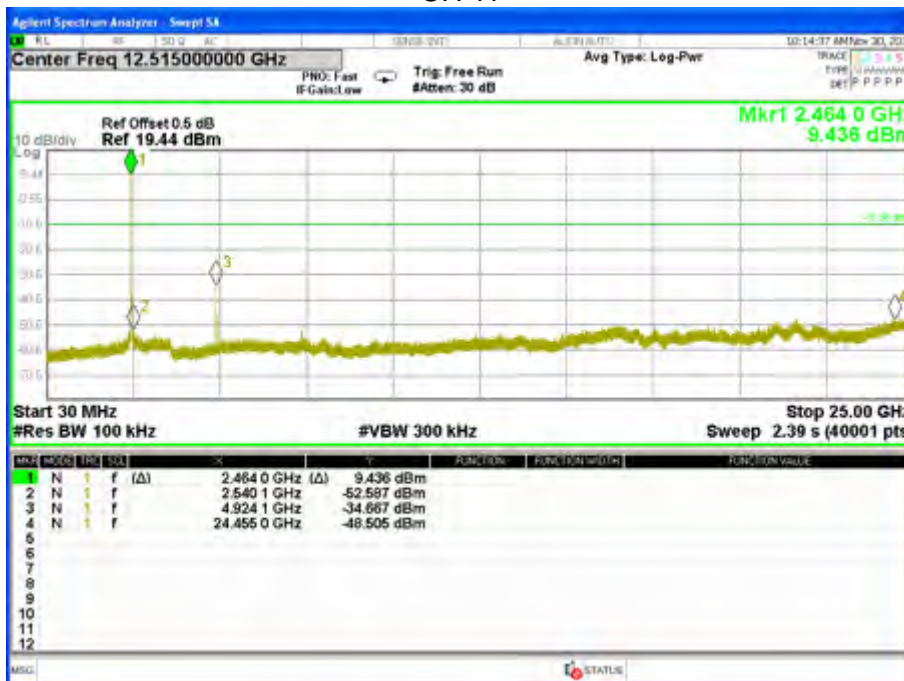


CH 06





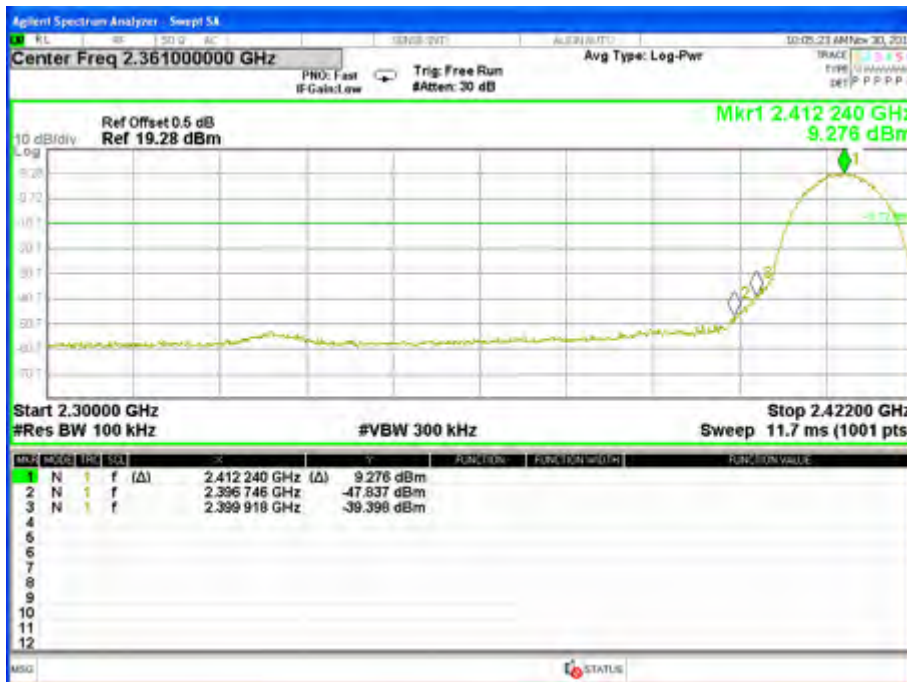
CH 11



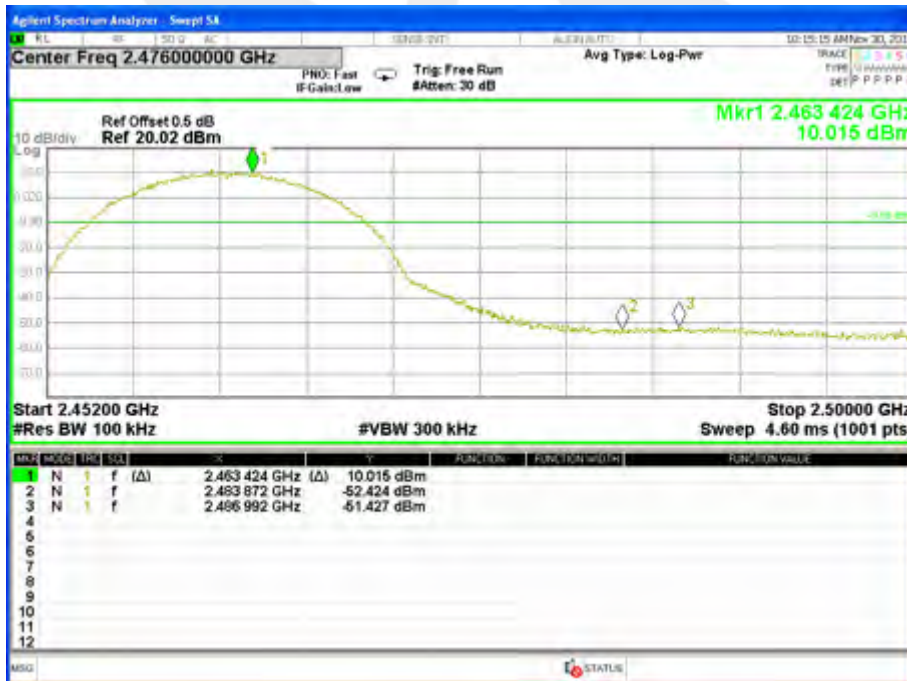


Band edge

CH 01



CH 11





Temperature :	25°C	Relative Humidity :	60%
Test Voltage :	AC 120V/60Hz	Test Mode :	TX g Mode /CH01, CH06, CH11

CH 01

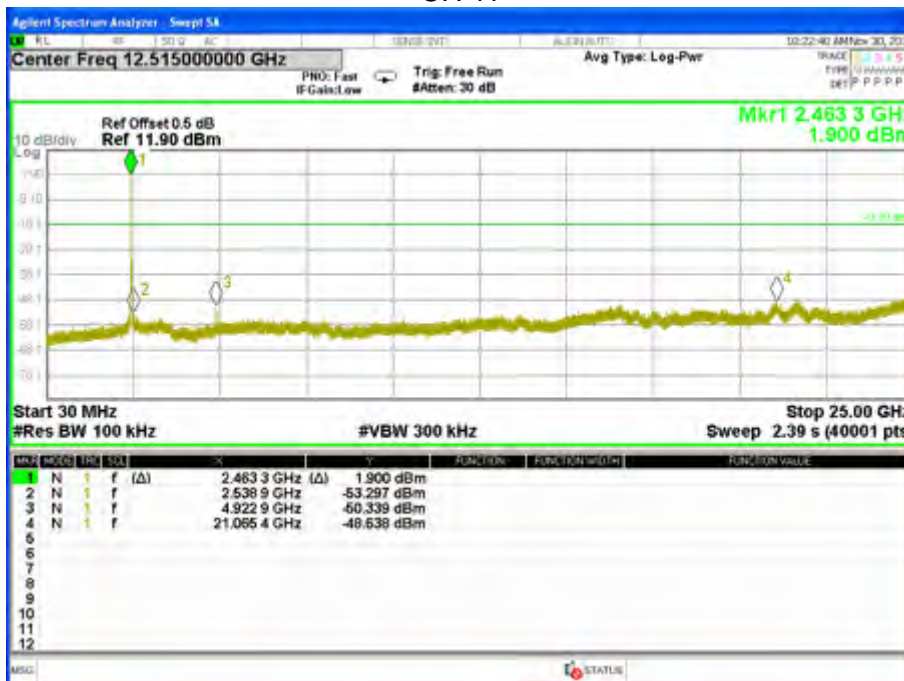


CH06





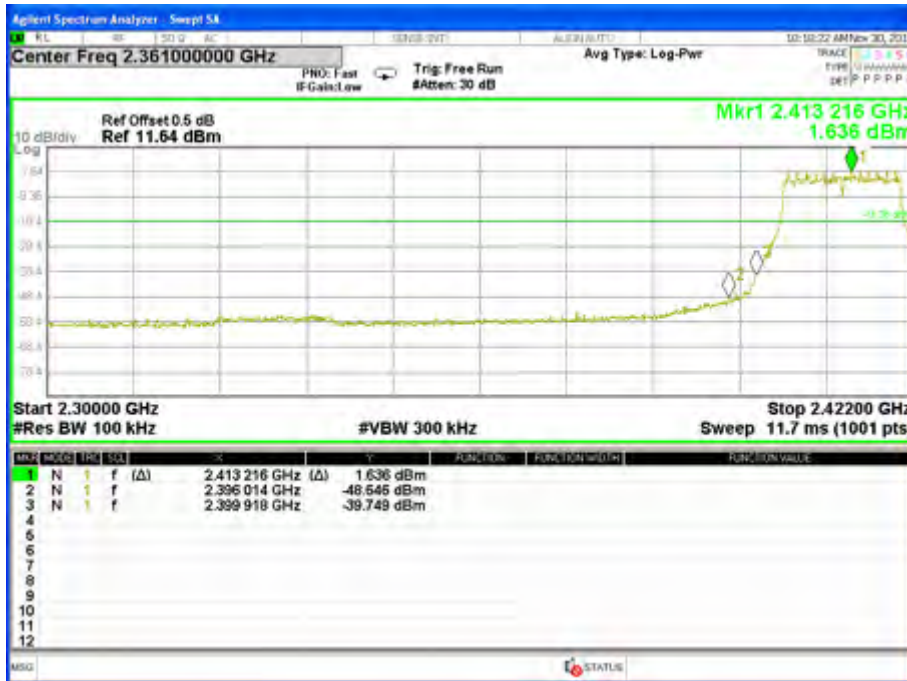
CH 11





Band edge

CH 01



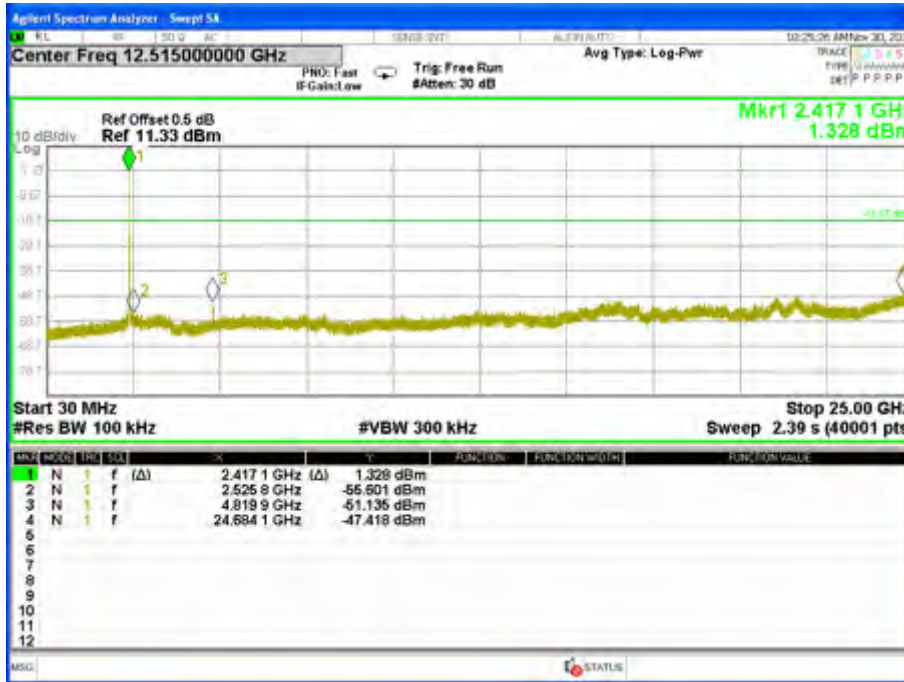
CH11





Temperature :	25°C	Relative Humidity :	60%
Test Voltage :	AC 120V/60Hz	Test Mode :	TX n(HT20) Mode /CH01, CH06, CH11

CH 01



CH 06





CH 11





Band edge

CH 01



CH 11





Temperature:	25 °C	Relative Humidity:	60%
Test Voltage:	AC 120V/60Hz	Test Mode:	TX n(HT40) Mode /CH03, CH06, CH09

CH 03

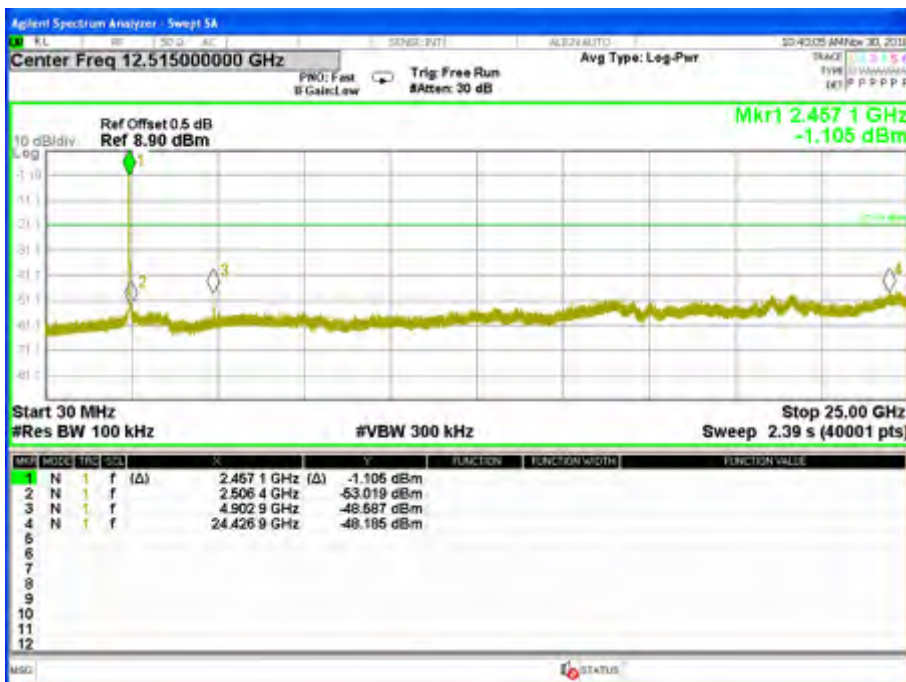


CH06





CH09



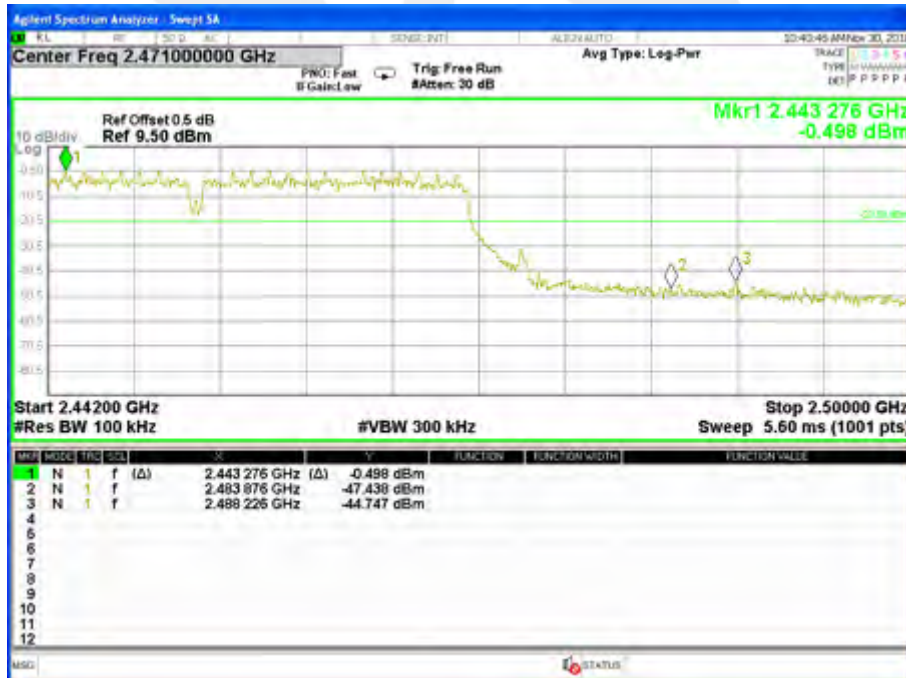


Band edge

CH03



CH 09





5 POWER SPECTRAL DENSITY TEST

5.1 LIMIT

FCC Part15.247,Subpart C RSS-247 Issue 2				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(e) RSS-247 Clause 5.2(b)	Power Spectral Density	≤ 8 dBm (RBW ≥ 3 KHz)	2400-2483.5	PASS

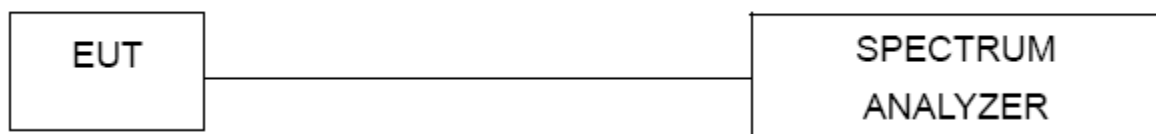
5.2 TEST PROCEDURE

- 1) Set analyzer center frequency to DTS channel center frequency.
- 2) Set the span to 1.5 times the DTS channel bandwidth.
- 3) Set the $100 \text{ kHz} \geq \text{RBW} \geq 3 \text{ kHz}$.
- 4) Set the $\text{VBW} \geq 3 \times \text{RBW}$.
- 5) Detector = peak.
- 6) Sweep time = auto couple.
- 7) Trace mode = max hold.
- 8) Allow trace to fully stabilize.
- 9) Use the peak marker function to determine the maximum amplitude level.
- 10) If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

5.3 DEVIATION FROM STANDARD

No deviation.

5.4 TEST SETUP



5.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.3 Unless otherwise a special operating condition is specified in the follows during the testing.

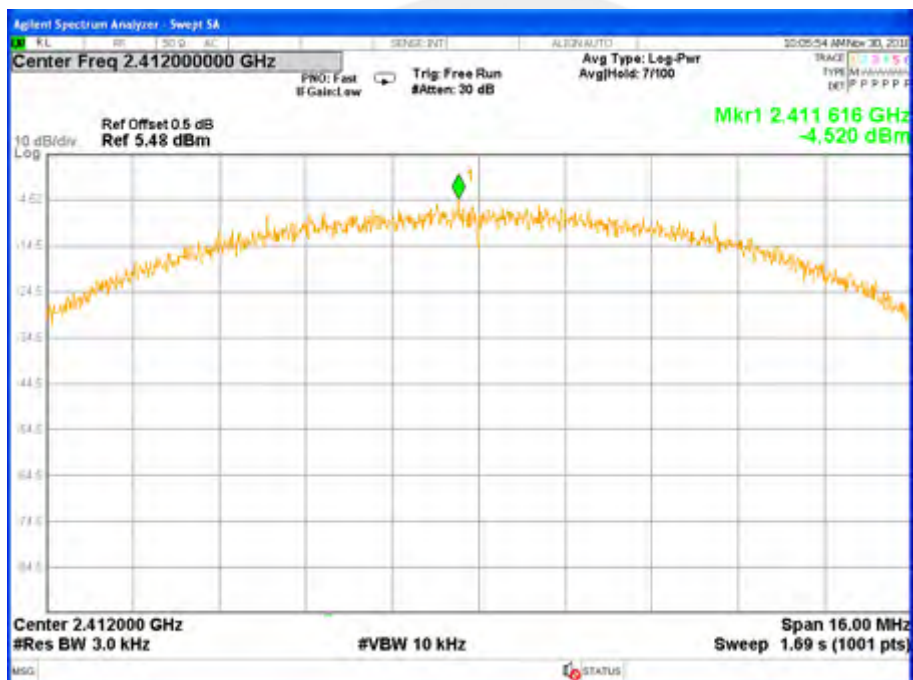


5.6 TEST RESULTS

Temperature:	25°C	Relative Humidity:	60%
Test Voltage:	AC 120V/60Hz	Test Mode:	TX b Mode /CH01, CH06, CH11

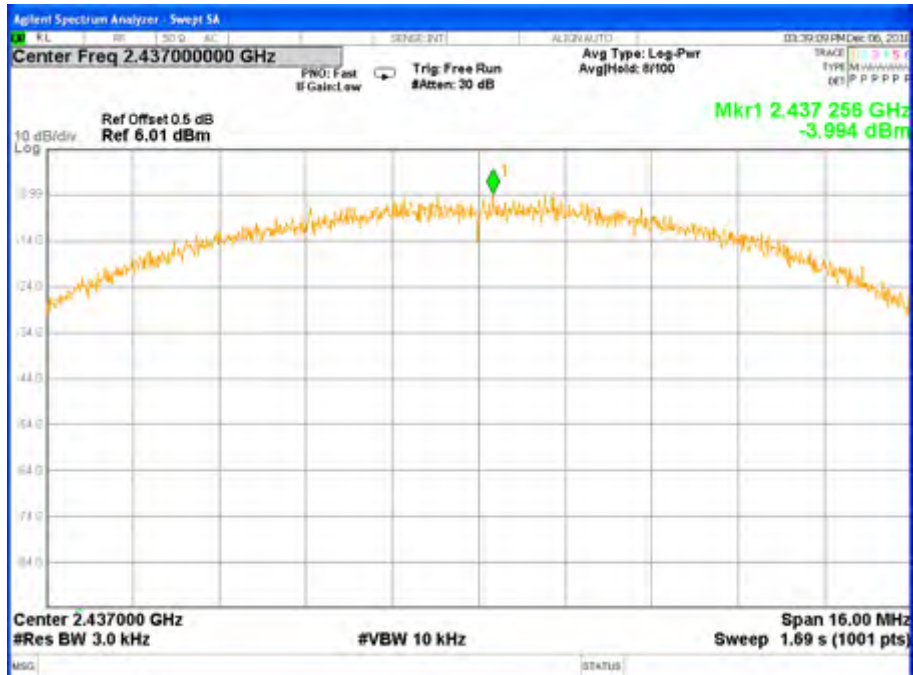
Test Mode	Frequency (MHz)	Power Density (dBm/3kHz)	Limit (dBm/3KHz)	Result
b mode (1 Mbps)	2412.00	-4.520	≤ 8.00	PASS
	2437.00	-3.994	≤ 8.00	PASS
	2462.00	-4.100	≤ 8.00	PASS

TX CH01

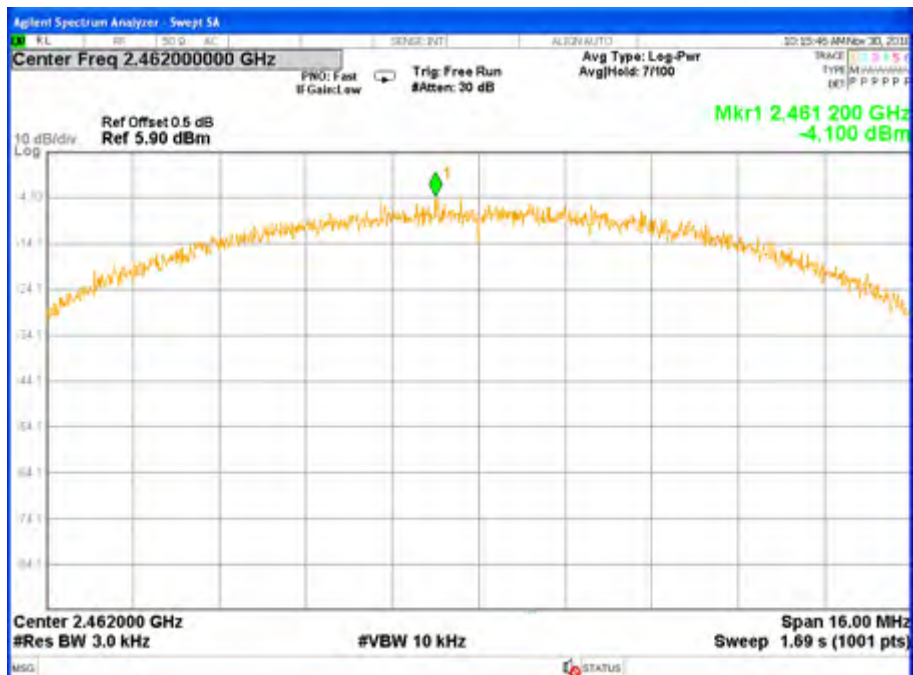




TX CH06



TX CH11





Temperature:	25°C	Relative Humidity:	60%
Test Voltage:	AC 120V/60Hz	Test Mode:	TX g Mode /CH01, CH06, CH11

Test Mode	Frequency (MHz)	Power Density (dBm/3kHz)	Limit (dBm/3KHz)	Result
g mode (6 Mbps)	2412.00	-13.596	≤ 8.00	PASS
	2437.00	-12.387	≤ 8.00	PASS
	2462.00	-12.080	≤ 8.00	PASS

TX CH01





TX CH06



TX CH11





Temperature:	25°C	Relative Humidity:	60%
Test Voltage:	AC 120V/60Hz	Test Mode:	TX n(HT20) Mode /CH01, CH06, CH11

Test Mode	Frequency (MHz)	Power Density (dBm/3kHz)	Limit (dBm/3KHz)	Result
n(HT20) mode (MCS0)	2412.00	-13.036	≤ 8.00	PASS
	2437.00	-13.162	≤ 8.00	PASS
	2462.00	-13.262	≤ 8.00	PASS

TX CH01





TX CH06



TX CH11





Temperature:	25°C	Relative Humidity:	60%
Test Voltage:	AC 120V/60Hz	Test Mode:	TX n(HT40) Mode /CH03, CH06, CH09

Test Mode	Frequency (MHz)	Power Density (dBm/3kHz)	Limit (dBm/3KHz)	Result
n(HT40) mode (MCS0)	2422.00	-17.504	≤ 8.00	PASS
	2437.00	-16.334	≤ 8.00	PASS
	2452.00	-16.832	≤ 8.00	PASS

TX CH03





TX CH06



TX CH09





6 BANDWIDTH TEST

6.1 LIMIT

FCC Part15.247,Subpart C RSS-247 Issue 2 & RSS-Gen Issue 5				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(a)(2) RSS-247 Clause 5.2(b)	6dB Bandwidth	$\geq 500\text{KHz}$	2400-2483.5	PASS
RSS-Gen Clause 6.7	99%Bandwidth	-	2400-2483.5	PASS

6.2 TEST PROCEDURE

The automatic bandwidth measurement capability of an instrument may be employed using the X dB bandwidth mode with X set to 6 dB, if the functionality described above (i.e., RBW = 100 kHz, VBW \geq 3RBW, peak detector with maximum hold) is implemented by the instrumentation function. When using this capability, care shall be taken so that the bandwidth measurement is not influenced by any intermediate power nulls in the fundamental emission that might be ≥ 6 dB.

6.3 DEVIATION FROM STANDARD

No deviation.

6.4 TEST SETUP



6.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.3 Unless otherwise a special operating condition is specified in the follows during the testing.



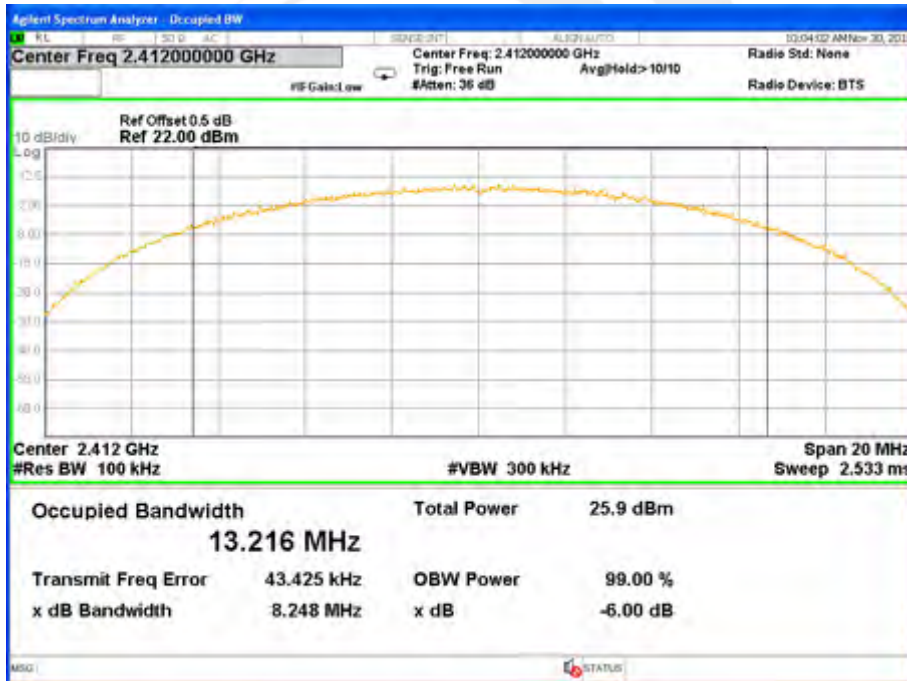
6.6 TEST RESULTS

Temperature:	25°C	Relative Humidity:	60%
Test Voltage:	AC 120V/60Hz	Test Mode:	TX b Mode /CH01, CH06, CH11

Remark: PEAK DETECTOR IS USED

Test Mode	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	Limit of 6dB Bandwidth (MHz)	Result
b mode (1 Mbps)	2412.00	8.248	13.216	≥ 0.50	PASS
	2437.00	7.986	13.188	≥ 0.50	PASS
	2462.00	8.715	13.258	≥ 0.50	PASS

6dB Bandwidth TX CH 01

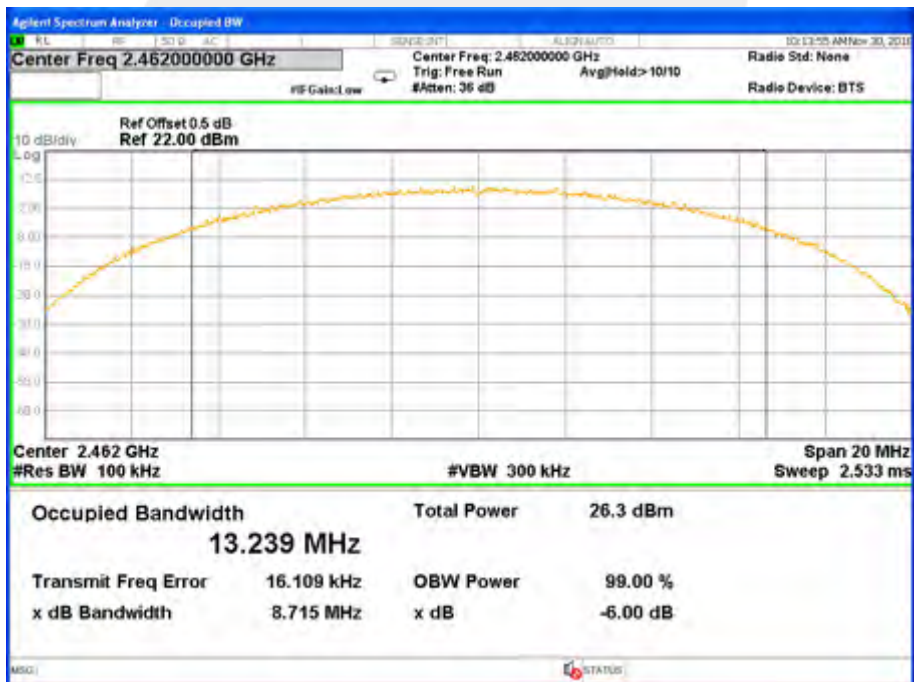




6dB Bandwidth TX CH 06

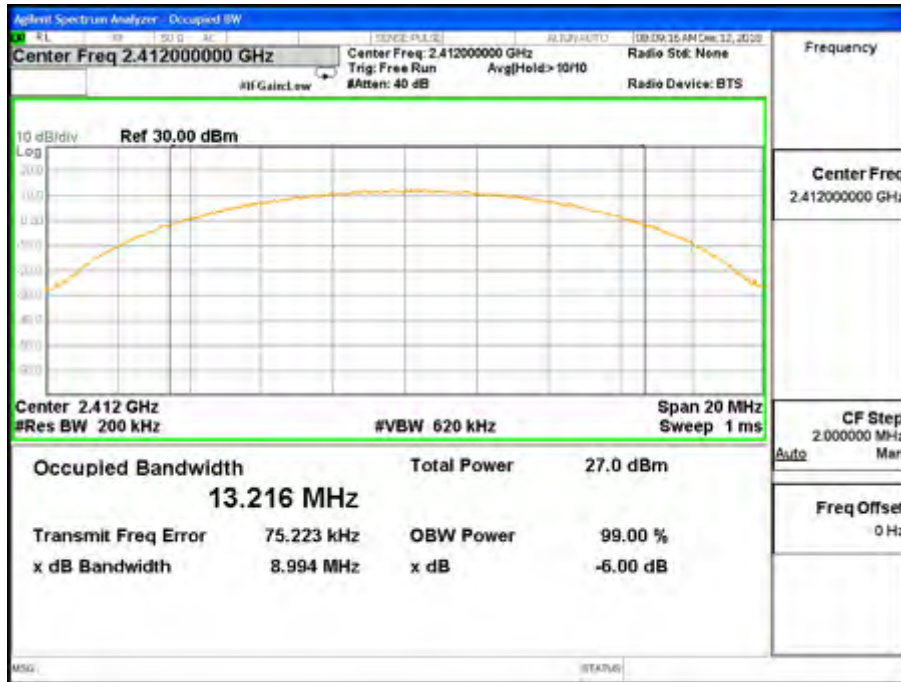


6dB Bandwidth TX CH 11





99% Bandwidth TX CH 01



99% Bandwidth TX CH 06





99% Bandwidth TX CH 11

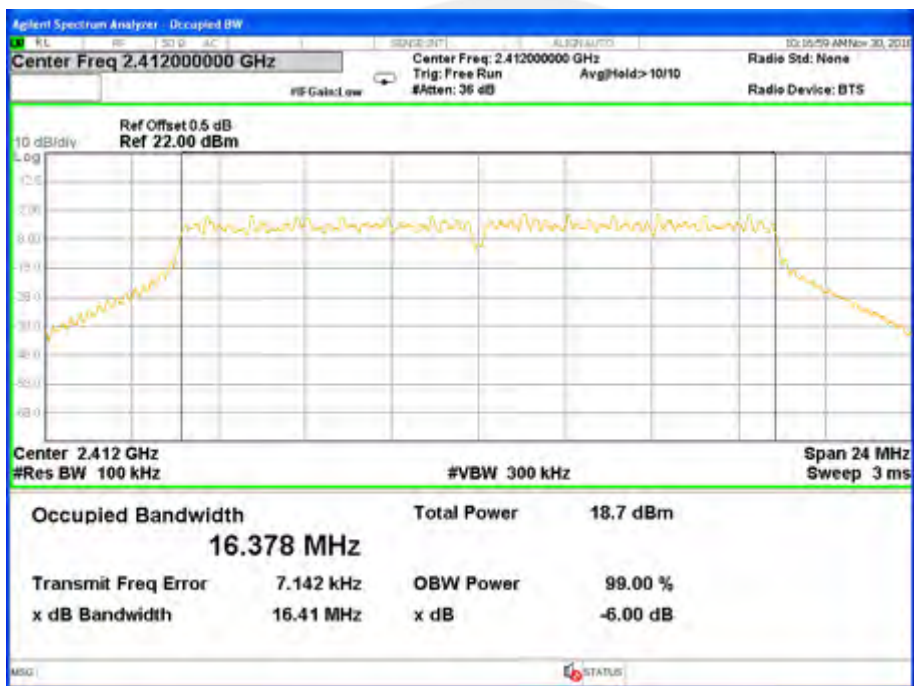




Temperature:	25°C	Relative Humidity:	60%
Test Voltage:	AC 120V/60Hz	Test Mode:	TX g Mode /CH01, CH06, CH11

Test Mode	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	Limit of 6dB Bandwidth (MHz)	Result
g mode (6 Mbps)	2412.00	16.41	16.587	≥ 0.50	PASS
	2437.00	16.43	16.599	≥ 0.50	PASS
	2462.00	16.44	16.530	≥ 0.50	PASS

6dB Bandwidth TX CH 01





6dB Bandwidth TX CH 06

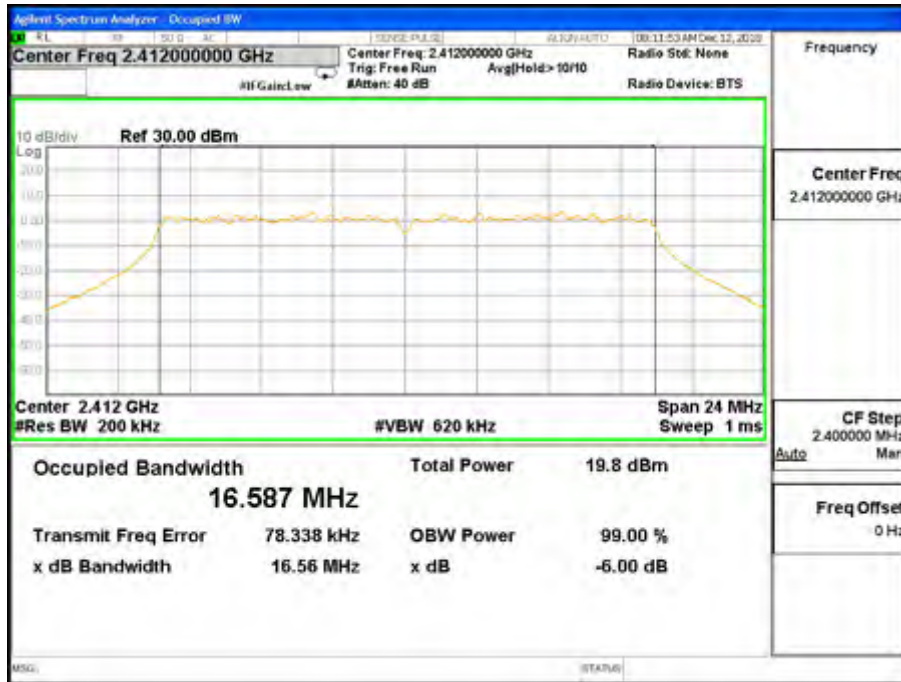


6dB Bandwidth TX CH 11

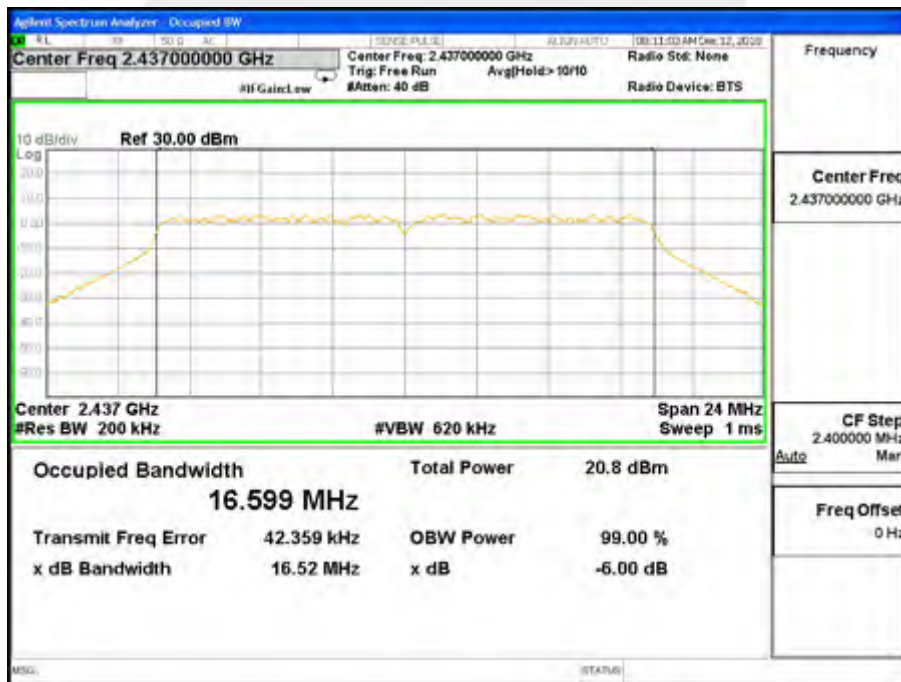




99% Bandwidth TX CH 01



99% Bandwidth TX CH 06





99% Bandwidth TX CH 11

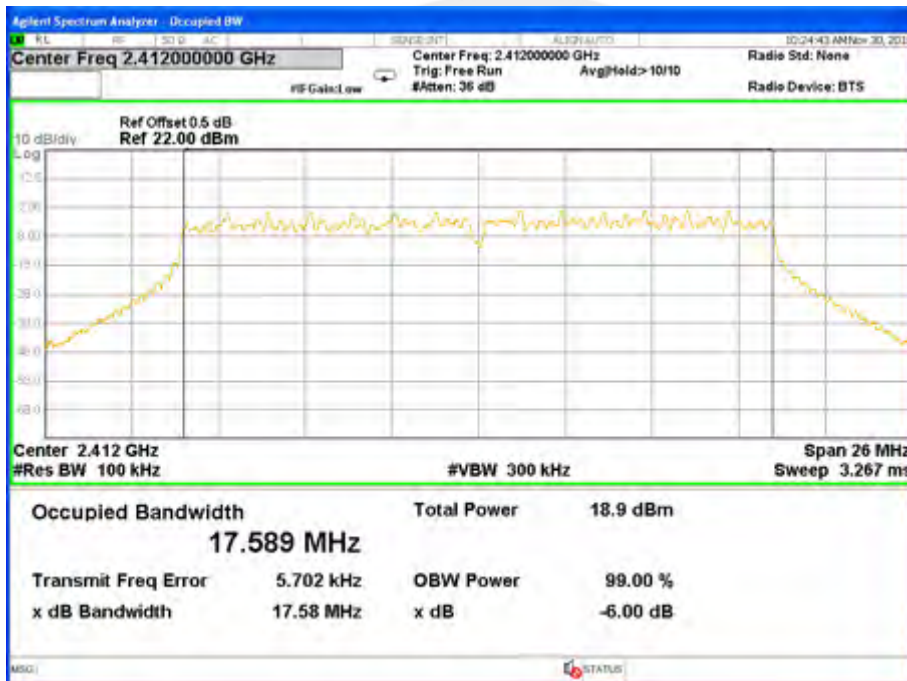




Temperature:	25°C	Relative Humidity:	60%
Test Voltage:	AC 120V/60Hz	Test Mode:	TX n(HT20) Mode /CH01, CH06, CH11

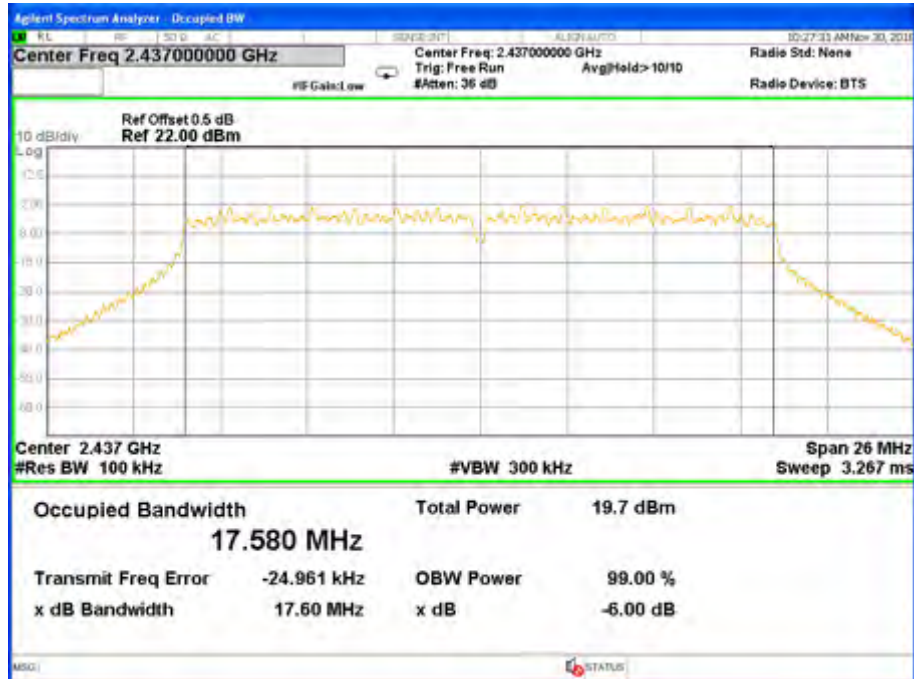
Test Mode	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	Limit of 6dB Bandwidth (MHz)	Result
n(HT20) mode (MCS0)	2412.00	17.58	17.652	≥ 0.50	PASS
	2437.00	17.60	17.648	≥ 0.50	PASS
	2462.00	17.35	17.677	≥ 0.50	PASS

6dB Bandwidth TX CH 01

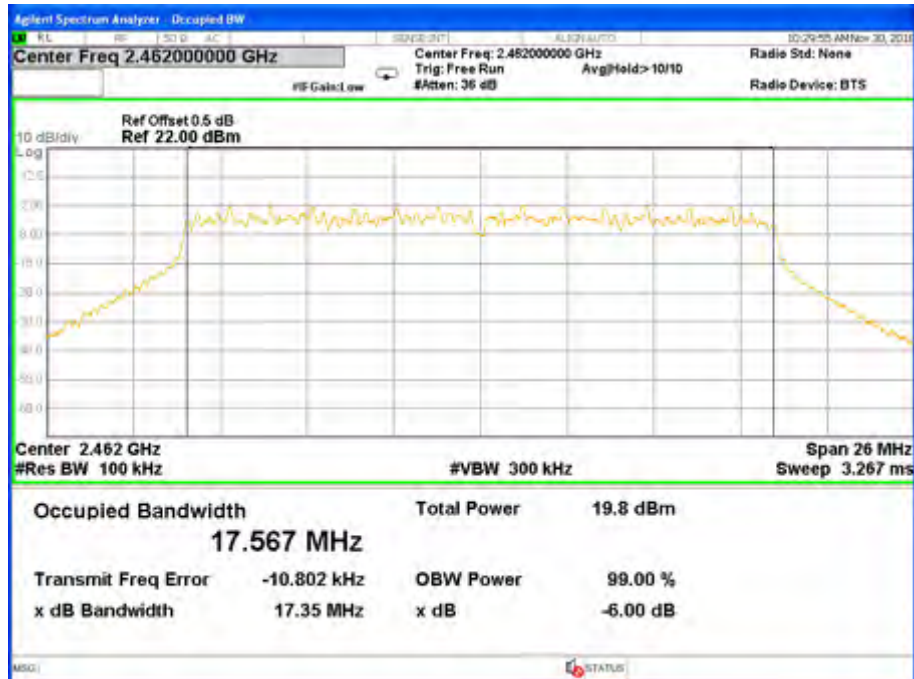




6dB Bandwidth TX CH 06

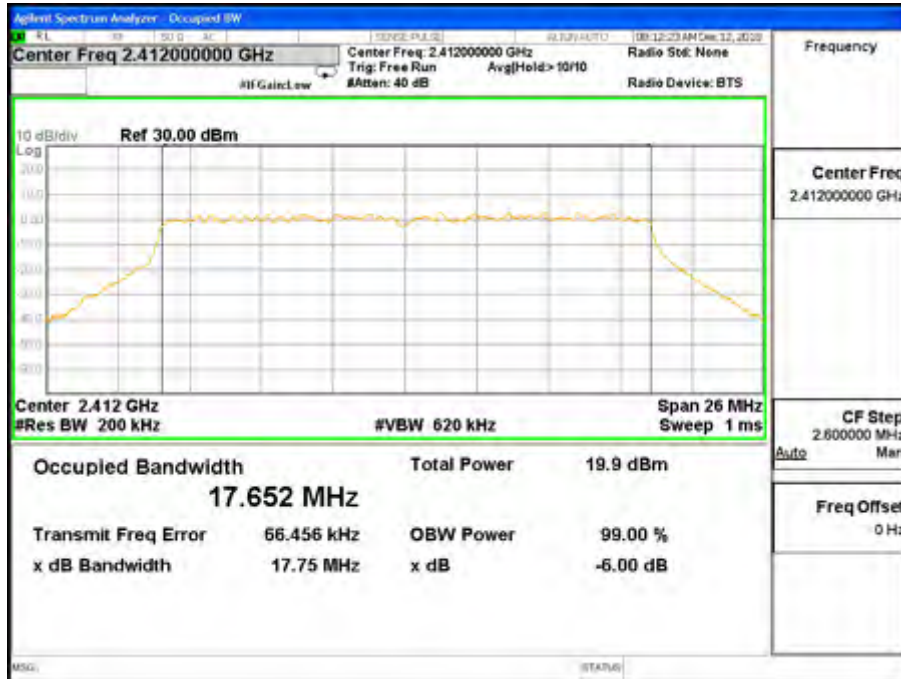


6dB Bandwidth TX CH 11

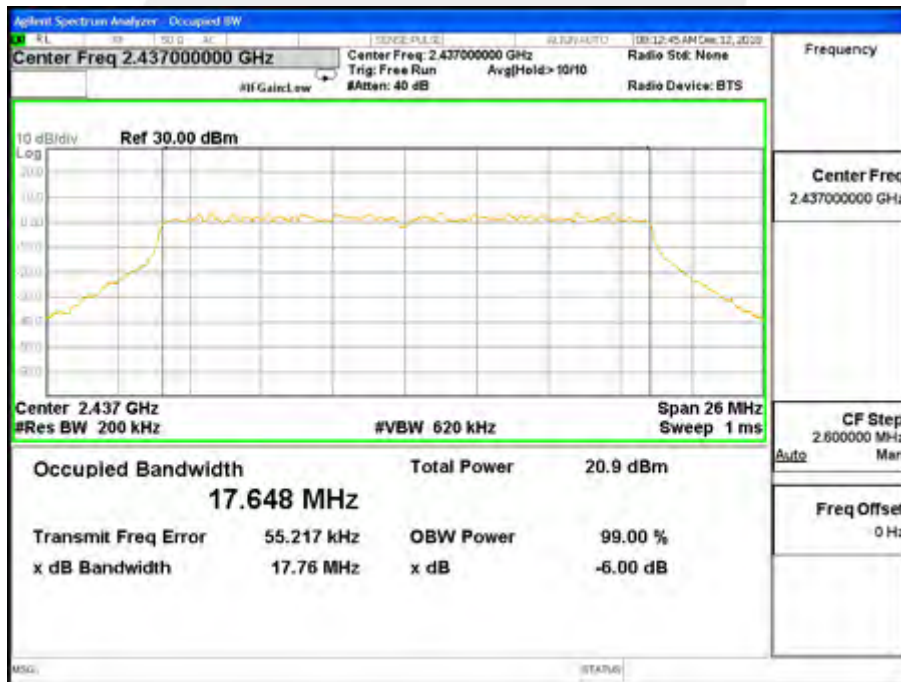




99% Bandwidth TX CH 01

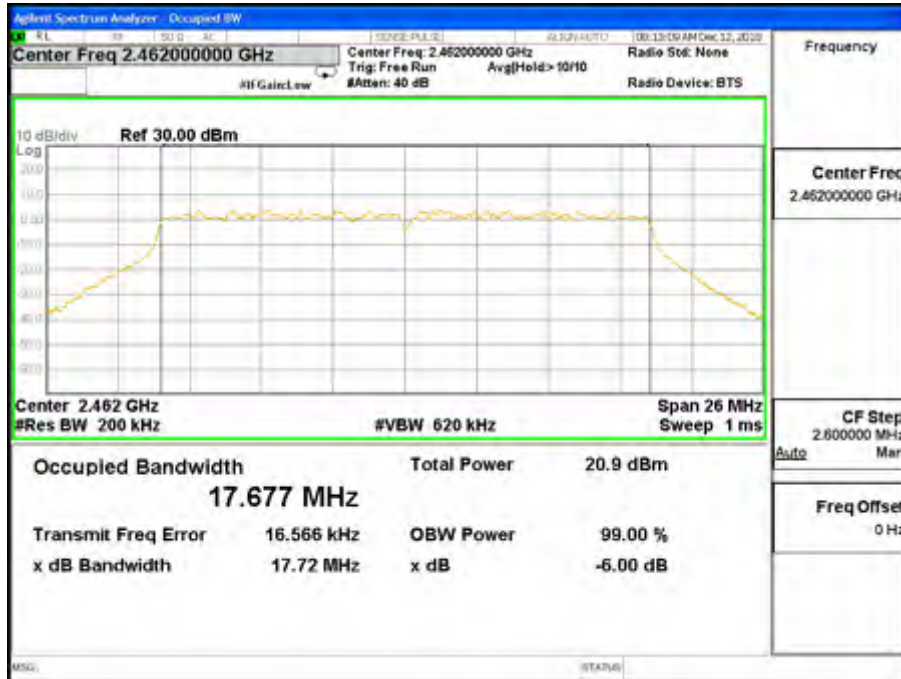


99% Bandwidth TX CH 06





99% Bandwidth TX CH 11

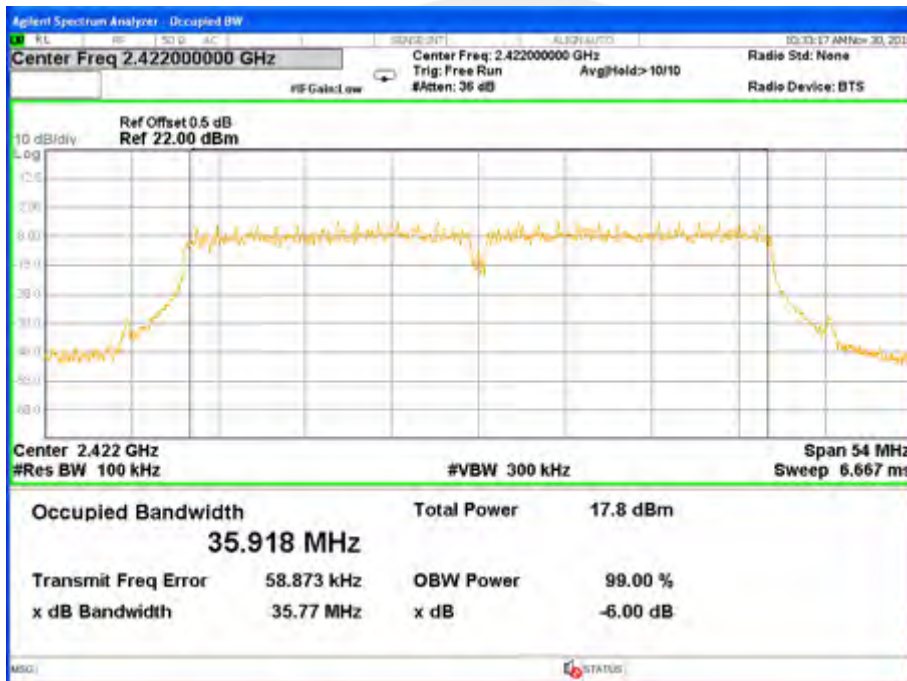




Temperature:	25°C	Relative Humidity:	60%
Test Voltage:	AC 120V/60Hz	Test Mode:	TX n(HT40) Mode /CH03, CH06, CH09

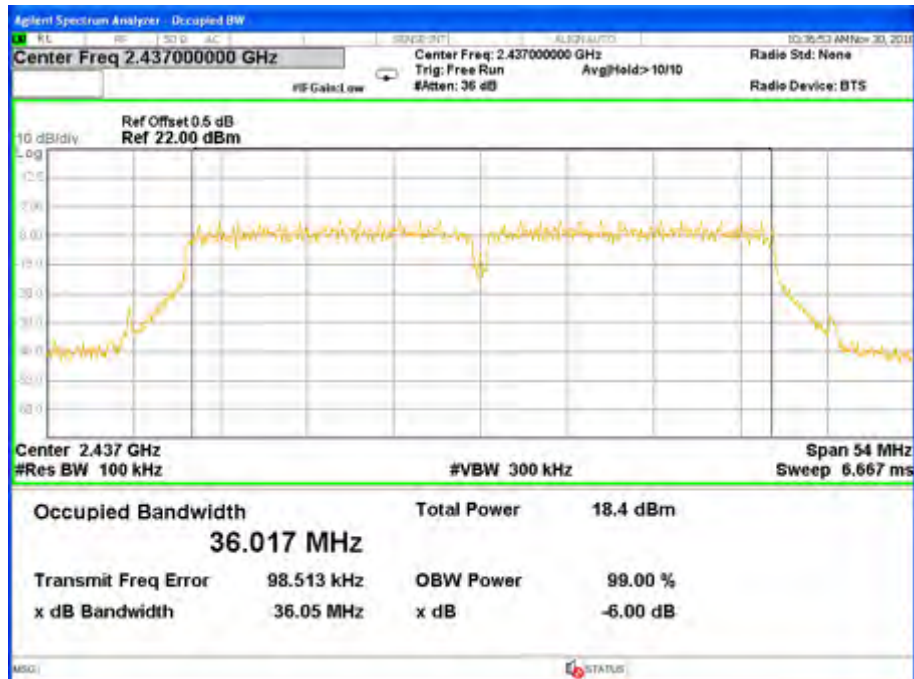
Test Mode	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	Limit of 6dB Bandwidth (MHz)	Result
n(HT40) mode (MCS0)	2422.00	35.77	36.094	≥ 0.50	PASS
	2437.00	36.05	35.987	≥ 0.50	PASS
	2452.00	35.83	36.079	≥ 0.50	PASS

6dB Bandwidth TX CH 03

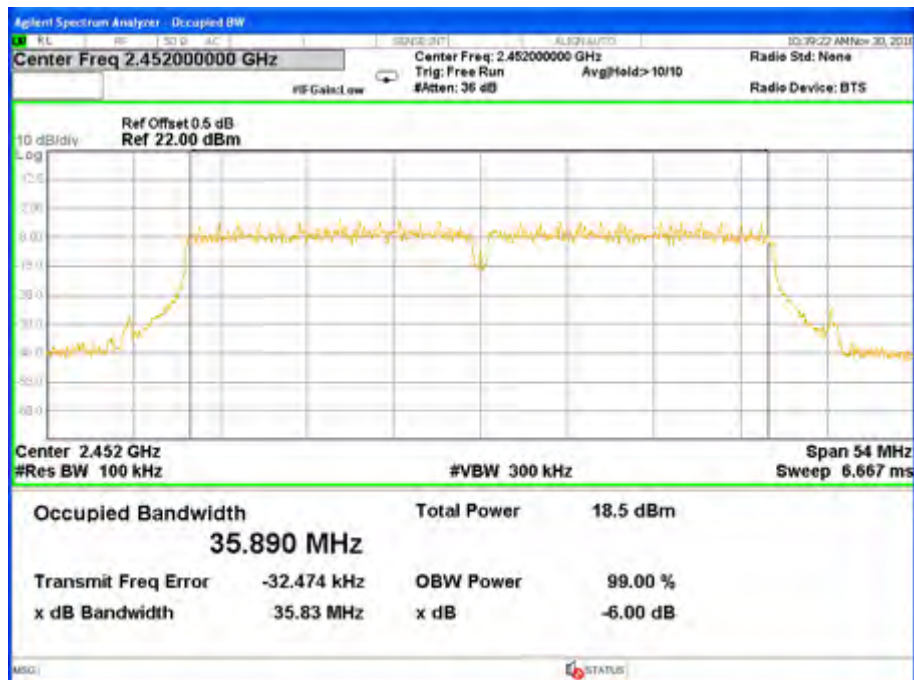




6dB Bandwidth TX CH 06

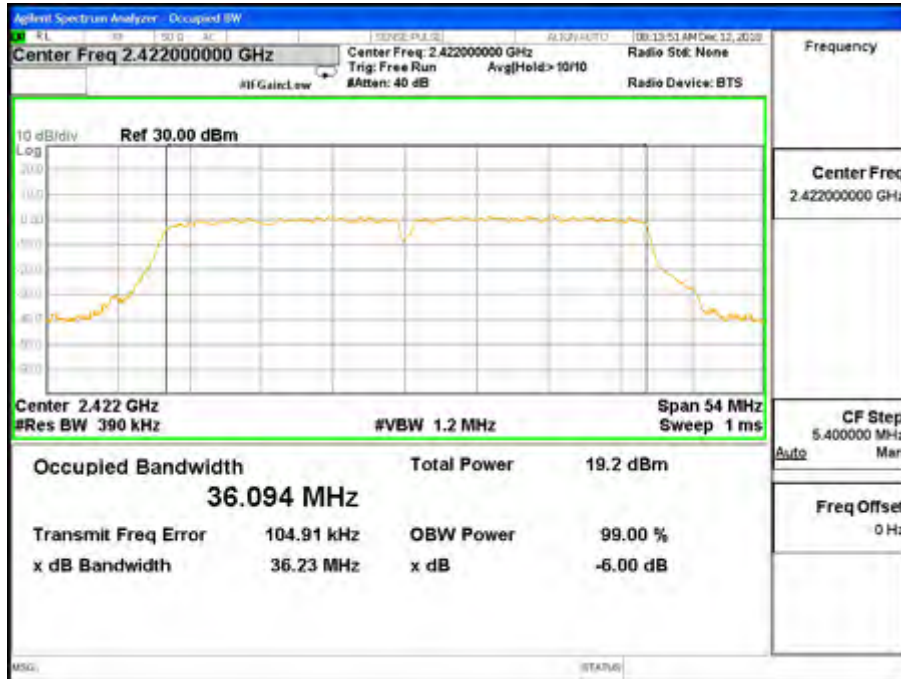


6dB Bandwidth TX CH 09

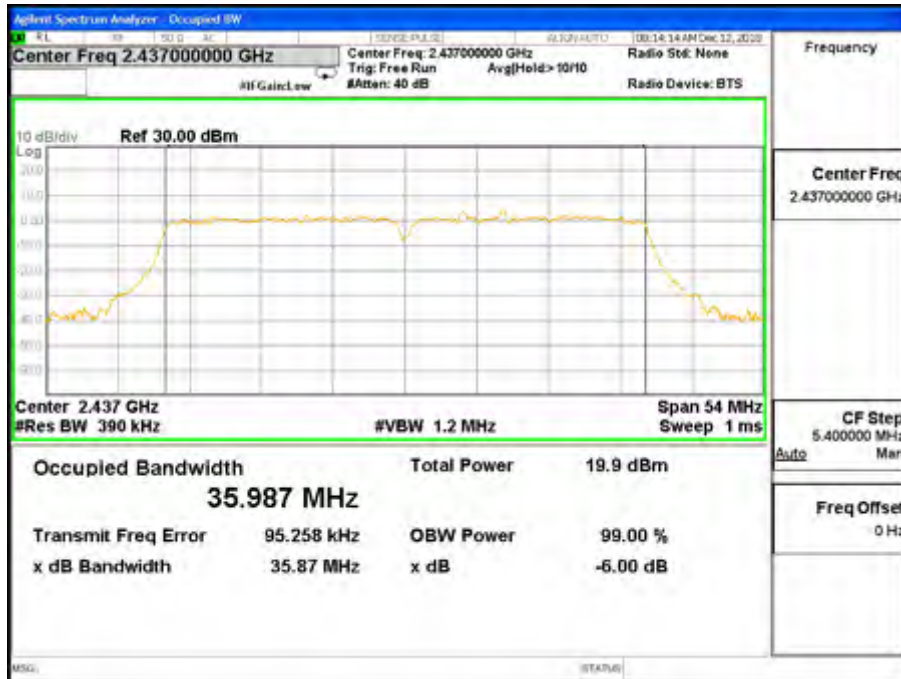




99% Bandwidth TX CH 03

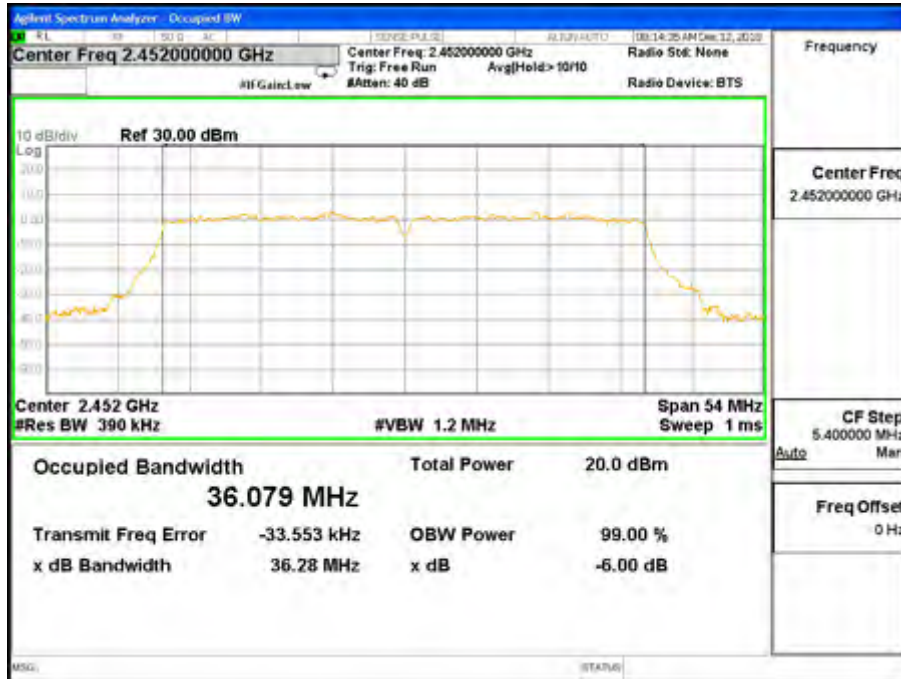


99% Bandwidth TX CH 06





99% Bandwidth TX CH 09





7 PEAK OUTPUT POWER TEST

7.1 LIMIT

FCC Part15.247,Subpart C RSS-247 Issue 2				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(b)(3) RSS-247 Clause 5.4(d)	Output Power	1 watt or 30dBm	2400-2483.5	PASS

7.2 TEST PROCEDURE

- a. The EUT was directly connected to the Power Meter

7.3 DEVIATION FROM STANDARD

No deviation.

7.4 TEST SETUP



7.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.3 Unless otherwise a special operating condition is specified in the follows during the testing.



7.6 TEST RESULTS

Temperature :	25°C	Relative Humidity :	60%
Test Voltage :	AC 120V/60Hz		

TX 802.11 b mode (1 Mbps)				
Test Channel	Frequency (MHz)	Conducted Output Power		Limit (dBm)
		Peak(dBm)	AVG(dBm)	
CH01	2412.00	22.36	18.62	30.00
CH06	2437.00	21.85	18.54	30.00
CH11	2462.00	21.77	18.03	30.00

TX 802.11 g mode (6 Mbps)				
Test Channel	Frequency (MHz)	Conducted Output Power		Limit (dBm)
		Peak(dBm)	AVG(dBm)	
CH01	2412.00	19.84	11.84	30.00
CH06	2437.00	20.95	12.54	30.00
CH11	2462.00	21.13	13.27	30.00

TX 802.11 n(HT20) mode (MCS0)				
Test Channel	Frequency (MHz)	Conducted Output Power		Limit (dBm)
		Peak(dBm)	AVG(dBm)	
CH01	2412.00	19.13	11.57	30.00
CH06	2437.00	20.41	12.96	30.00
CH11	2462.00	20.13	12.55	30.00

TX 802.11 n(HT40) mode (MCS0)				
Test Channel	Frequency (MHz)	Conducted Output Power		Limit (dBm)
		Peak(dBm)	AVG(dBm)	
CH03	2422.00	18.46	9.57	30.00
CH06	2437.00	18.74	9.94	30.00
CH09	2452.00	19.23	10.57	30.00



8 ANTENNA REQUIREMENT

8.1 STANDARD REQUIREMENT

15.203 and RSS-Gen Issue 5 requirement: For intentional device, according to 15.203 and RSS-Gen Issue 5: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

8.2 EUT ANTENNA

The EUT antenna is Integral Antenna. It comply with the standard requirement.





9.FREQUENCY STABILITY

9.1 LIMITS OF FREQUENCY STABILITY MEASUREMENT

The frequency tolerance of the carrier signal shall be maintained within +/-0.02% of the operating frequency over a temperature variation of -30 degrees to 50 degrees C at normal supply voltage, and for a variation in primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees.

9.2 TEST PROCEDURE

- 1.The EUT was placed inside the environmental test chamber and powered by nominal DC voltage.
- 2.Turn the EUT on and couple its output to spectrum analyzer.
- 3.Turn the EUT off and set the chamber to the highest temperature specified.
- 4.Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT on and measure the operating frequency after 2,5, and 10 minutes.
- 5.Repeat step 2 and 3 with the temperature chamber set to the lowest temperature.
- 6.The test chamber was allowed to stabilize at +20 degree C for a minimum of 30 minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.

9.3 TEST RESULT

Channel 01(2412MHz)

Voltage vs. Frequency Stability

Voltage vs. Frequency Stability Voltage(V)	Measurement Frequency(MHz)
5.75	2411.9915
5	2411.9906
4.25	2411.9915
Max.Deviation(MHz)	-0.0085
Max.Deviation(ppm)	-35.24

Rated working voltage:DC 5V

Temperature vs. Frequency Stability

Temperature(°C)	Measurement Frequency(MHz)
-30	2411.9913
-20	2411.9911
-10	2411.9906
0	2411.9911
10	2411.9909
20	2411.9912
30	2411.9906
40	2411.9912
50	2411.9907
Max.Deviation(MHz)	-0.0087
Max.Deviation(ppm)	-36.07