

# FCC RADIO TEST REPORT FCC ID: XHWFTABXXX

Product: MID

Trade Name: Funtab

**Model Name:** FTABXXX

Serial Model: N/A

Report No.: NTEK-2012NT1010074F

# **Prepared for**

E-matic

3435 Ocean Park Blvd #107 PMB # 444, Santa Monica CA 90405, Los Angeles, California, USA

# Prepared by

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# **TEST RESULT CERTIFICATION**

Report No.: NTEK-2012NT1010074F

Applicant's name		
Address:	3435 Oce Los Ange	ean Park Blvd #107 PMB # 444, Santa Monica CA 90405. les,California,USA
Manufacture's Name:	SHENZH	EN SUNGWORLD ELECTRONICS CO., LTD.
Address:		District, Shangxue Industrial park, Bantian, Longgang thenzhen, China
Product description		
Product name:	MID	
Model and/or type reference :	FTABXXX	<
Serial Model:	N/A	
Standards:	FCC Part	15.247
Test procedure	ANSI C63	3.4-2003
	n complian	sted by NTEK, and the test results show that the acce with the FCC requirements. And it is applicable only t.
document may be altered or rev	vised by N	t in full, without the written approval of NTEK, this ΓΕΚ, personal only, and shall be noted in the revision of
Date of Test	:	
Date (s) of performance of tests	:	10 Oct. 2012 ~21 Oct. 2012
Date of Issue	:	22 Oct. 2012
Test Result	:	Pass
Testing Engine	eer :	Apple Huong
		(Apple Huang)
Technical Man	ager :	Tom 2 hang
		(Tom Zhang)
		· • • • • • • • • • • • • • • • • • • •
Authorized Sig	gnatory :	Borey Young
		(Bovey Yang)



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1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

FCC Part15 (15.247) , Subpart C				
Standard Section	Test Item	Judgment	Remark	
15.207	Conducted Emission	PASS		
15.247 (a)(2)	6dB Bandwidth	PASS		
15.247 (b)	Peak Output Power	PASS		
15.247 (c)	Radiated Spurious Emission	PASS		
15.247 (d)	Power Spectral Density	PASS		
15.205	Band Edge Emission	PASS		
15.203	Antenna Requirement	PASS		

NOTE:

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



#### 1.1 TEST FACILITY

NTEK Testing Technology Co., Ltd

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

Shenzhen P.R. China.

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

CNAS Registration No.:L5516

#### 1.2 MEASUREMENT UNCERTAINTY

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

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



# 2. GENERAL INFORMATION

#### 2.1 GENERAL DESCRIPTION OF EUT

Equipment	MID	
Trade Name	Funtab	
Model Name	FTABXXX	
Serial Model	N/A	
Model Difference	N/A	
Product Description  Channel List	Based on the application User's Manual, the ITE/Computing Devi	ation, features, or specification exhibited e EUT is considered as an ce. More details of EUT technical e refer to the User's Manual.
	DC 3.7V	NOTE 2.
Rating		
FUWEI	DC 5V from adapter	
Datton	Rated Voltage: 3.7V	
Battery	Charge Limit: 4.2V Capacity :3400mAh	
Connecting I/O Port(s)	Please refer to the U	Jser's Manual

#### Note

:

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



2.

		Ch	annel List f	or 802.11b/	g/n		
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	04	2427	07	2442	10	2457
02	2417	05	2432	80	2447	11	2462
03	2422	06	2437	09	2452		

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# Table for Filed Antenna

Ant	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	NOTE
	N/A	N/A	FPCB antenn	N/A	2.0	N/A



#### 2.2 DESCRIPTION OF TEST MODES

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

Pretest Mode	Description
Mode 1	802.11b CH1/ CH6/ CH11
Mode 2	802.11g CH1/ CH6/ CH11
Mode 3	802.11n CH1/ CH6/ CH11
Mode 4	Charging

For Conducted Emission		
Final Test Mode	Description	
Mode 4	Charging	

For Radiated Emission		
Final Test Mode	Description	
Mode 1	802.11b CH1/ CH6/ CH11	
Mode 2	802.11g CH1/ CH6/ CH11	
Mode 3	802.11n CH1/ CH6/ CH11	

#### Note:

- (1) The measurements are performed at the highest, middle, lowest available channels.
- (2) The measurements are performed at all Bit Rate of Transmitter, the worst data was reported



# 2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Conducted Emission Test



Radiated Spurious Emission Test

E-1 EUT



2.4 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)

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

Report No.: NTEK-2012NT1010074F

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
E-1	MID	Funtab	FTABXXX	N/A	EUT
E-2	Adapter	N/A	SW018S050200U1	N/A	
E-3	Earphones	N/A	N/A	N/A	

Item	Shielded Type	Ferrite Core	Length	Note
C-1	NO	NO	0.8M	
C-2	NO	NO	1.0M	

#### 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.



# 2.5 EQUIPMENTS LIST FOR ALL TEST ITEMS

**Radiation Test equipment** 

- 101011					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	Agilent	E4407B	160400005	Jul. 06. 2013
2	Test Receiver	R&S	ESPI	101318	Jul. 06. 2013
3	Bilog Antenna	TESEQ	CBL6111D	31216	Jul. 06. 2013
4	50Ω Coaxial Switch	Anritsu	MP59B	6200264416	Jul. 06. 2013
5	Spectrum Analyzer	ADVANTEST	R3132	150900201	Jul. 06. 2013
6	Horn Antenna	EM	EM-AH-10180	2011071402	Jul. 06. 2013
7	Horn Ant	Schwarzbeck	BBHA 9170	9170-181	Jul. 06. 2013
8	Amplifier	EM	EM-30180	060538	Jul. 06. 2013
9	Loop Antenna	ARA	PLA-1030/B	1029	Jul. 06. 2013
10	Power Meter	R&S	NRVS	100696	Jul. 06. 2013

**Conduction Test equipment** 

COIN	Conduction rest equipment							
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until			
1	Test Receiver	R&S	ESCI	101160	Jul. 06. 2013			
2	LISN	R&S	ENV216	101313	Jul. 06. 2013			
3	LISN	EMCO	3816/2	00042990	Jul. 06. 2013			
4	50Ω Coaxial Switch	Anritsu	MP59B	6200264417	Jul. 06. 2013			
5	Passive Voltage Probe	R&S	ESH2-Z3	100196	Jul. 06. 2013			
6	Absorbing clamp	R&S	MOS-21	100423	Jul. 06. 2013			



#### 3. EMC EMISSION TEST

#### 3.1 CONDUCTED EMISSION MEASUREMENT

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

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

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

#### Note:

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

The following table is the setting of the receiver

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



#### 3.1.2 TEST PROCEDURE

- a. The EUT was placed 0.4 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

#### 3.1.3 DEVIATION FROM TEST STANDARD

No deviation

#### 3.1.4 TEST SETUP



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

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

#### 3.1.5 EUT OPERATING CONDITIONS

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



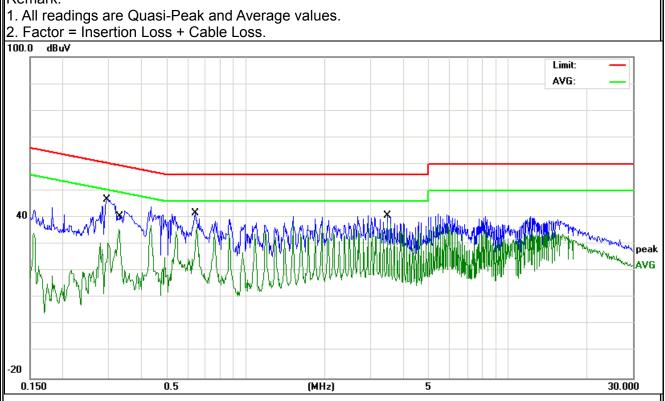
#### 3.1.6 TEST RESULTS

EUT:	MID	Model Name. :	FTABXXX
Temperature :	<b>26</b> ℃	Relative Humidity:	54%
Pressure :	1010hPa	Phase :	L
Test Voltage :	DC 5.0V from adapter AC 120V/60Hz	Test Mode :	Mode 4

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Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Detector Type
0.294	36.36	10.43	46.79	60.41	-13.62	QP
0.3268	25.08	10.42	35.5	49.53	-14.03	AVG
0.6419	31.37	10.41	41.78	56	-14.22	QP
0.65	25.93	10.41	36.34	46	-9.66	AVG
Frequency (MHz) 0.294 0.3268 0.6419 0.65 3.466	30.06	10.6	40.66	56	-15.34	QP
3.466	27.49	10.6	38.09	46	-7.91	AVG

#### Remark:





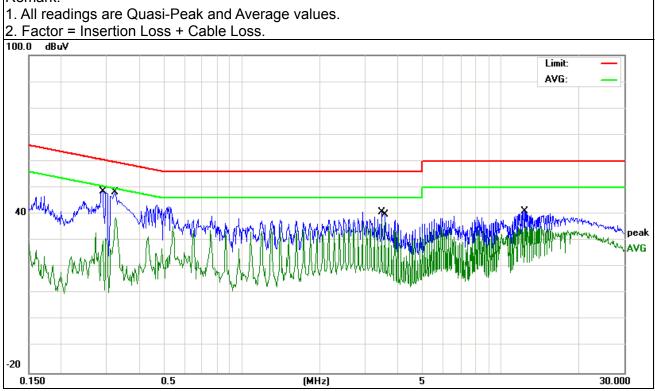
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EUT: MID Model Name. : FTABXXX Relative Humidity: 54% Temperature: 26 ℃ Pressure: 1010hPa Phase: Ν

DC 5.0V from adapter AC Test Voltage : Test Mode: Mode 4 120V/60Hz

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV)	(dBµV)	(dB)	Detector Type
0.2898	38.14	10.43	48.57	60.53	-11.96	QP
0.326	28.1	10.42	38.52	49.55	-11.03	AVG
3.466	30.13	10.6	40.73	56	-15.27	QP
3.5739	26.64	10.61	37.25	46	-8.75	AVG
12.3459	30.39	10.69	41.08	60	-18.92	QP
12.4579	24.79	10.69	35.48	50	-14.52	AVG

#### Remark:





#### 3.2 RADIATED EMISSION MEASUREMENT

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

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

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

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

FREQUENCY (MHz)	Class A (dBuV/m) (at 3M)		Class B (dBuV/m) (at 3M)	
PREQUENCY (MIDZ)	PEAK	AVERAGE	PEAK	AVERAGE
Above 1000	80	60	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).

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (emission in restricted	4 Mile / 4 Mile for Dook 4 Mile / 401/e for Average
band)	1 MHz / 1 MHz for Peak, 1 MHz / <i>10Hz</i> for Average

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



#### 3.2.2 TEST PROCEDURE

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

No deviation



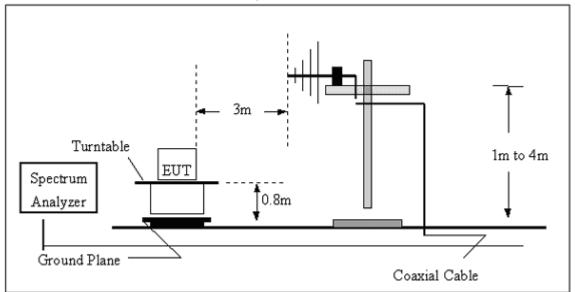
#### 3.2.4 TEST SETUP

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

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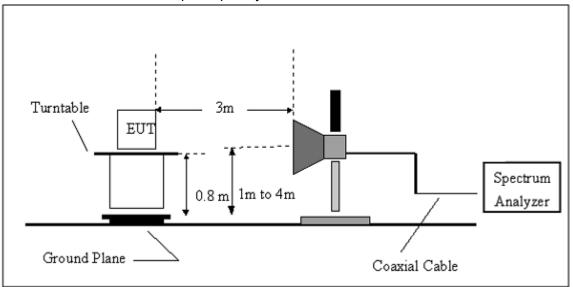


(B) Radiated Emission Test-Up Frequency 30MHz~1GHz





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



#### 3.2.5 EUT OPERATING CONDITIONS

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



3.2.6 TEST RESULTS (BETWEEN 9KHZ - 30 MHZ)

EUT:	MID	Model Name. :	FTABXXX
Temperature:	<b>20</b> ℃	Relative Humidtity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode:	TX	Polarization :	

Report No.: NTEK-2012NT1010074F

Freq.	Reading	Limit	Margin	State
(MHz)	(dBuV/m)	(dBuV/m)	(dB)	P/F
				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 =20 log (specific distance/test distance)(dB);

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

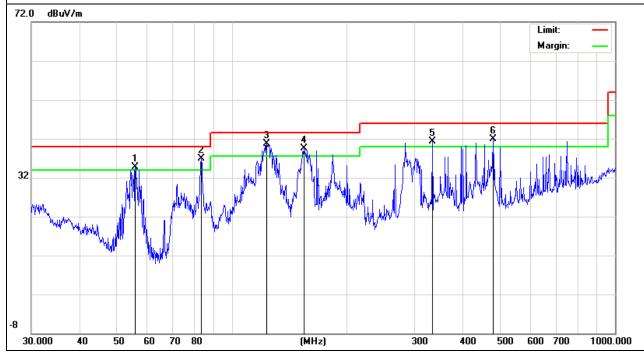


# 3.2.7 TEST RESULTS (BETWEEN 30MHZ - 1GHZ)

EUT:	MID	Model Name :	FTABXXX
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Dotostor Typo
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
56.0007	28.98	5.8	34.78	40	-5.22	QP
83.2296	28.57	8.35	36.92	40	-3.08	QP
123.2655	28.86	11.86	40.72	43.5	-2.78	QP
154.2786	28.16	11.38	39.54	43.5	-3.96	QP
333.6865	26.23	15	41.23	46	-4.77	QP
480.5276	23.18	18.72	41.9	46	-4.1	QP

#### Remark:



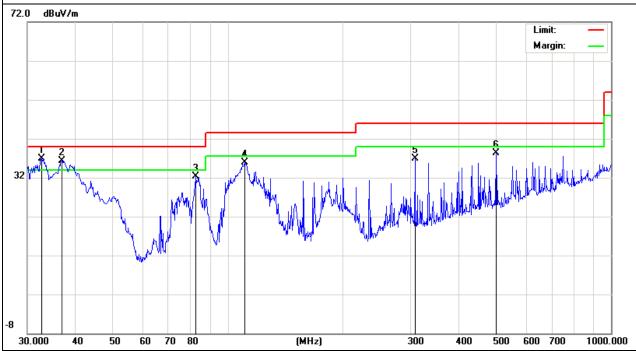


EUT:	MID	Model Name :	FTABXXX
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX	Polarization :	Vertical

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Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
32.634	19.98	16.99	36.97	40	-3.03	QP
36.8952	21.57	14.78	36.35	40	-3.65	QP
82.6482	24.14	8.22	32.36	40	-7.64	QP
110.5687	24.52	11.44	35.96	43.5	-7.54	QP
307.8312	22.36	14.59	36.95	46	-9.05	QP
501.1788	18.78	19.43	38.21	46	-7.79	QP

#### Remark:



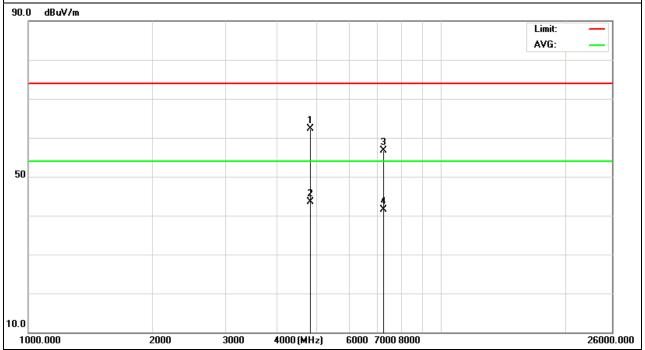


3.2.8 TEST RESULTS (ABOVE 1000 MHZ)

EUT:	MID	Model Name :	FTABXXX
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Pressure :	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH1 (802.11b Mode)	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
4824.083	51.88	10.44	62.32	74	-11.68	peak
4824.083	33.01	10.44	43.45	54	-10.55	AVG
7236.215	44.24	12.39	56.63	74	-17.37	peak
7236.215	29.08	12.39	41.47	54	-12.53	AVG

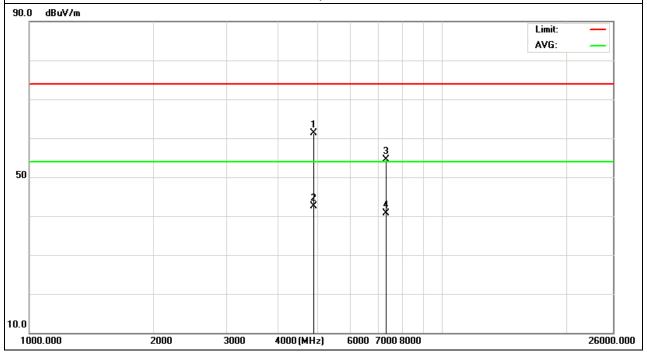
#### Remark:





EUT:	MID	Model Name :	FTABXXX
Temperature :	<b>20</b> ℃	Relative Humidity:	48%
Pressure :	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH1 (802.11b Mode)	Polarization :	Vertical

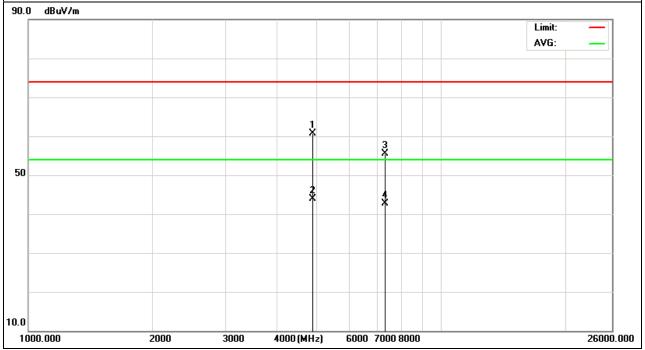
Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Dotoctor Typo
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
4874.217	50.96	10.4	61.36	74	-12.64	peak
4874.217	32.12	10.4	42.52	54	-11.48	AVG
7311.133	41.66	12.75	54.41	74	-19.59	peak
7311.133	28.01	12.75	40.76	54	-13.24	AVG





EUT:	MID	Model Name :	FTABXXX
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Pressure :	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH6 (802.11b Mode)	Polarization :	Horizontal

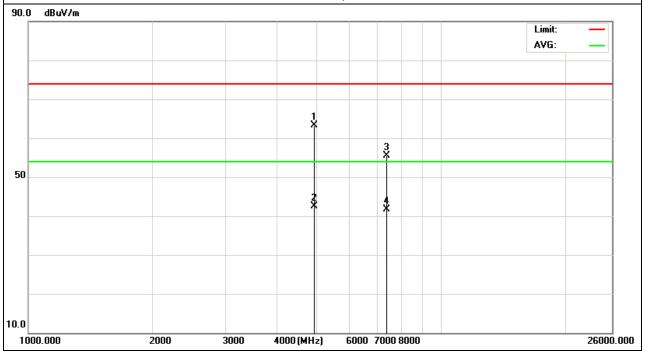
Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Dotostor Typo
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
4874.236	50.29	10.4	60.69	74	-13.31	peak
4874.236	33.43	10.4	43.83	54	-10.17	AVG
7311.177	42.82	12.75	55.57	74	-18.43	peak
7311.177	29.91	12.75	42.66	54	-11.34	AVG





EUT:	MID	Model Name :	FTABXXX
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH6 (802.11b Mode)	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Dotostor Typo
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
4924.344	52.99	10.39	63.38	74	-10.62	peak
4934.344	32.03	10.44	42.47	54	-11.53	AVG
7386.219	42.84	12.68	55.52	74	-18.48	peak
7386.219	29	12.68	41.68	54	-12.32	AVG

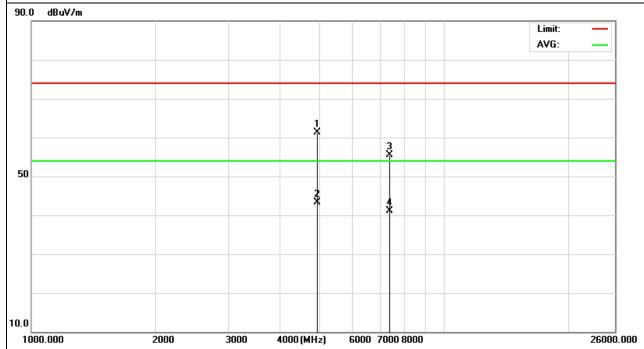




EUT:	MID	Model Name :	FTABXXX
Temperature :	<b>20</b> ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH11 (802.11b Mode)	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Datastar Tuna
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
4924.143	50.82	10.39	61.21	74	-12.79	peak
4924.143	32.93	10.39	43.32	54	-10.68	AVG
7386.368	42.8	12.69	55.49	74	-18.51	peak
7386.368	28.44	12.69	41.13	54	-12.87	AVG

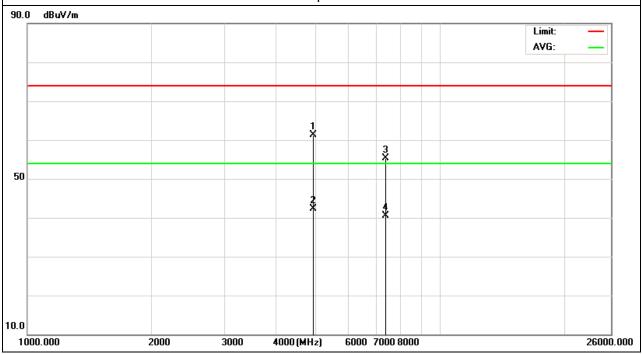






EUT:	MID	Model Name :	FTABXXX
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH11 (802.11b Mode)	Polarization :	Vertical

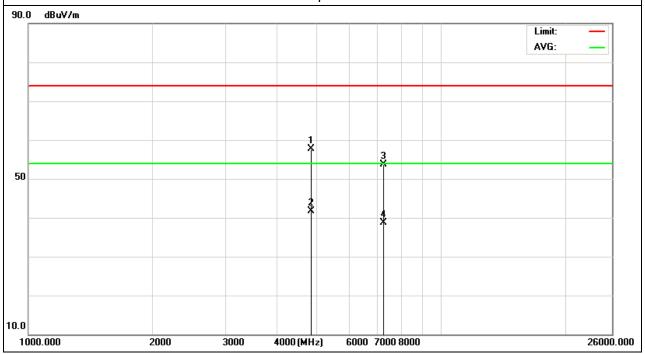
Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
4924.145	50.83	10.39	61.22	74	-12.78	peak
4924.145	31.99	10.39	42.38	54	-11.62	AVG
7386.167	42.67	12.68	55.35	74	-18.65	peak
7386.167	27.74	12.68	40.42	54	-13.58	AVG





EUT:	MID	Model Name :	FTABXXX
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Pressure :	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH1 (802.11g Mode)	Polarization :	Horizontal

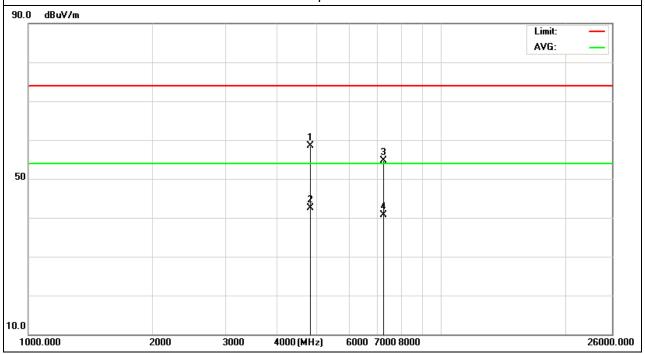
Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
4824.348	47.18	10.44	57.62	74	-16.38	peak
4824.348	31.3	10.44	41.74	54	-12.26	AVG
7236.553	41.33	12.39	53.72	74	-20.28	peak
7236.553	26.3	12.39	38.69	54	-15.31	AVG





EUT:	MID	Model Name :	FTABXXX
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Pressure :	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH1 (802.11g Mode)	Polarization :	Vertical

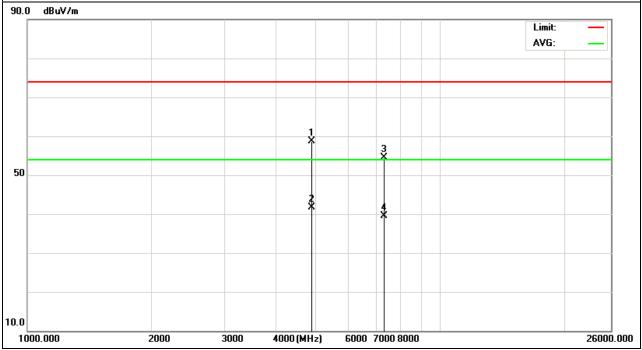
Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	
4824.172	47.99	10.44	58.43	74	-15.57	peak
4824.172	32.11	10.44	42.55	54	-11.45	AVG
7236.367	42.23	12.39	54.62	74	-19.38	peak
7236.367	28.35	12.39	40.74	54	-13.26	AVG





		_	
EUT:	MID	Model Name :	FTABXXX
Temperature :	20 ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH6 (802.11a Mode)	Polarization :	Horizontal

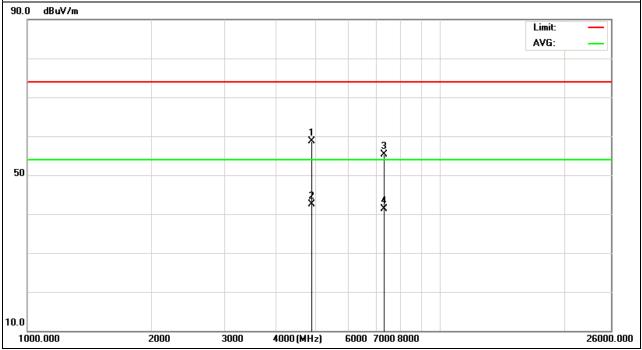
Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Dotostor Typo
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
4874.132	48.36	10.4	58.76	74	-15.24	peak
4874.132	31.32	10.4	41.72	54	-12.28	AVG
7311.242	41.73	12.75	54.48	74	-19.52	peak
7311.242	26.84	12.75	39.59	54	-14.41	AVG





EUT:	MID	Model Name :	FTABXXX
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH6 (802.11g Mode)	Polarization :	Vertical

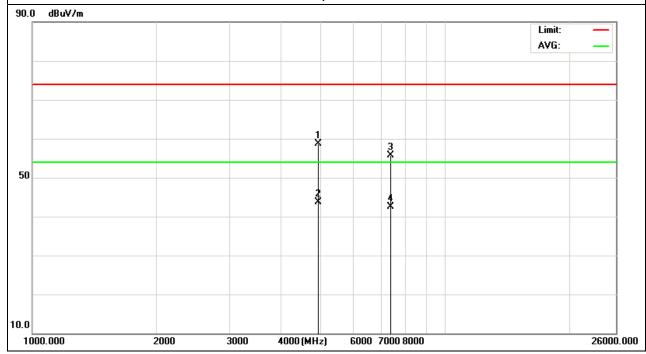
Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Dotostor Typo
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
4874.141	48.22	10.4	58.62	74	-15.38	peak
4874.141	32.14	10.4	42.54	54	-11.46	AVG
7311.286	42.62	12.75	55.37	74	-18.63	peak
7311.286	28.5	12.75	41.25	54	-12.75	AVG





EUT:	MID	Model Name :	FTABXXX
Temperature :	<b>20</b> ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH11 (802.11g Mode)	Polarization :	Horizontal

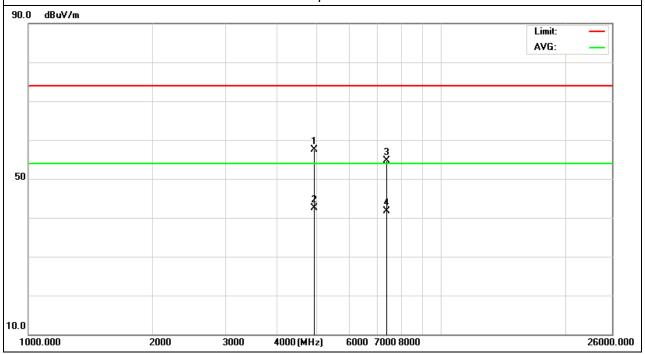
Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
4924.213	48.39	10.39	58.78	74	-15.22	peak
4924.213	33.3	10.39	43.69	54	-10.31	AVG
7386.357	42.97	12.68	55.65	74	-18.35	peak
7386.357	29.9	12.68	42.58	54	-11.42	AVG





EUT:	MID	Model Name :	FTABXXX
Temperature :	<b>20</b> ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH11(802.11g Mode)	Polarization :	Vertical

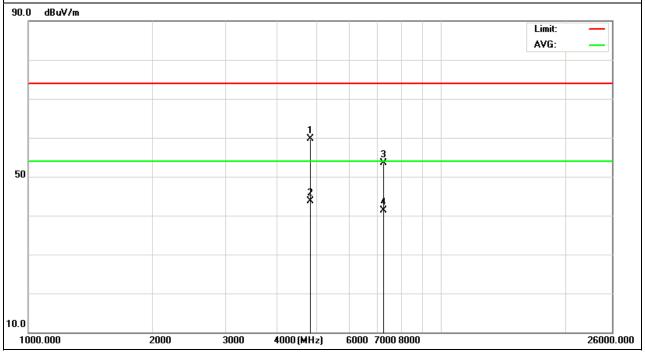
Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
4924.137	47.03	10.39	57.42	74	-16.58	peak
4924.137	32.18	10.39	42.57	54	-11.43	AVG
7386.208	42	12.68	54.68	74	-19.32	peak
7386.208	29.1	12.68	41.78	54	-12.22	AVG





EUT:	MID	Model Name :	FTABXXX
Temperature :	<b>20</b> ℃	Relative Humidity:	48%
Pressure :	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH1 (802.11n Mode)	Polarization :	Horizontal

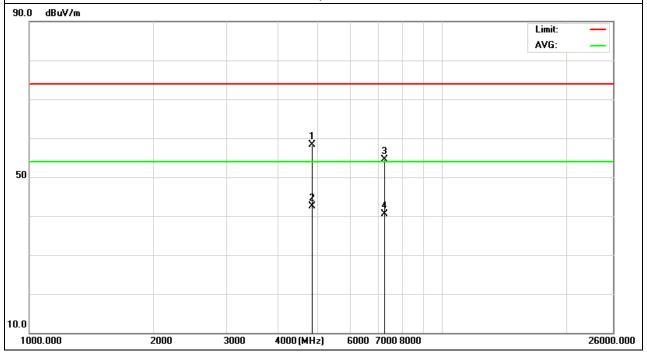
Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	
4824.238	49.18	10.44	59.62	74	-14.38	peak
4824.238	33.34	10.44	43.78	54	-10.22	AVG
7236.364	41.17	12.39	53.56	74	-20.44	peak
7236.364	28.92	12.39	41.31	54	-12.69	AVG





EUT:	MID	Model Name :	FTABXXX
Temperature :	<b>20</b> ℃	Relative Humidity:	48%
Pressure :	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH1 (802.11n Mode)	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
4824.326	47.92	10.44	58.36	74	-15.64	peak
4824.326	31.98	10.44	42.42	54	-11.58	AVG
7236.116	42.06	12.39	54.45	74	-19.55	peak
7236.116	28.18	12.39	40.57	54	-13.43	AVG



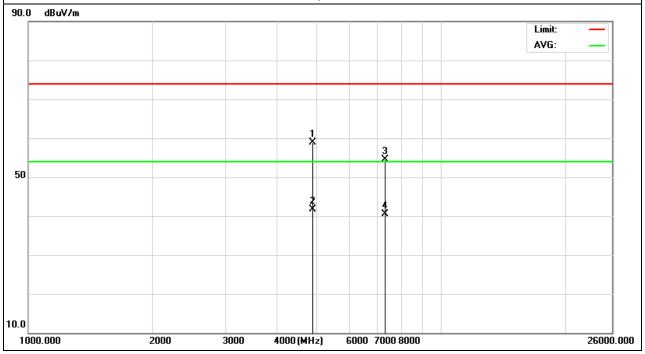


EUT:	MID	Model Name :	FTABXXX
Temperature :	<b>20</b> ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH6 (802.11n Mode)	Polarization :	Horizontal

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Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Dotostor Typo
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
4874.558	48.41	10.4	58.81	74	-15.19	peak
4874.558	31.27	10.4	41.67	54	-12.33	AVG
7311.376	41.68	12.75	54.43	74	-19.57	peak
7311.376	27.77	12.75	40.52	54	-13.48	AVG

## Remark:



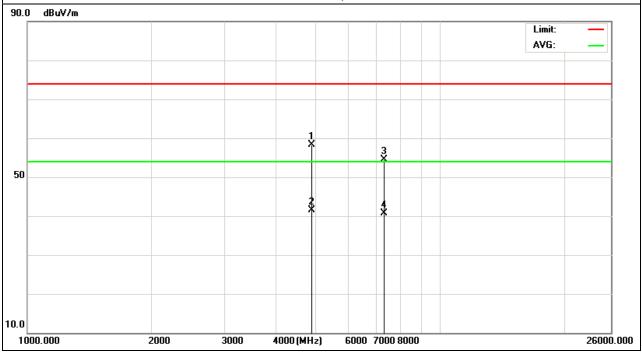


EUT:	MID	Model Name :	FTABXXX
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH6 (802.11n Mode)	Polarization :	Vertical

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Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Dotostor Typo
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
4874.319	47.92	10.4	58.32	74	-15.68	peak
4874.319	31.07	10.4	41.47	54	-12.53	AVG
7311.414	41.8	12.75	54.55	74	-19.45	peak
7311.414	27.87	12.75	40.62	54	-13.38	AVG

## Remark:

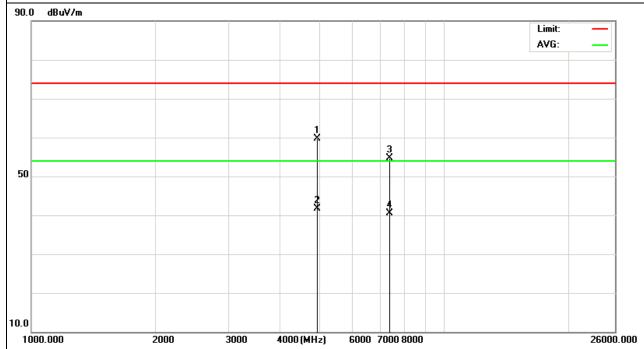




EUT:	MID	Model Name :	FTABXXX
Temperature :	<b>20</b> ℃	Relative Humidity:	48%
Pressure :	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH11 (802.11n Mode)	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Ture
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
4924.233	49.28	10.39	59.67	74	-14.33	peak
4924.233	31.33	10.39	41.72	54	-12.28	AVG
7386.342	41.93	12.68	54.61	74	-19.39	peak
7386.342	27.85	12.68	40.53	54	-13.47	AVG

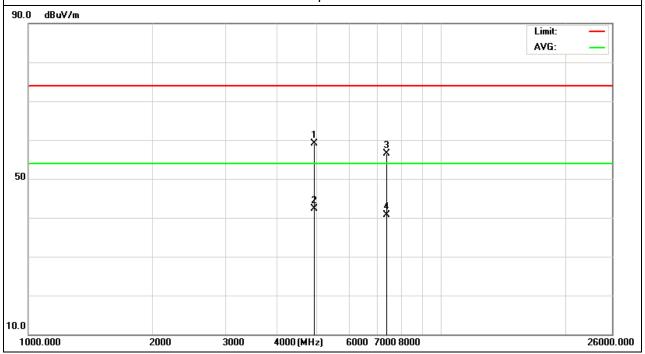






EUT:	MID	Model Name :	FTABXXX
Temperature :	<b>20</b> ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH11 (802.11n Mode)	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Time
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
4924.334	48.74	10.39	59.13	74	-14.87	peak
4924.334	32.01	10.39	42.4	54	-11.6	AVG
7386.163	43.83	12.68	56.51	74	-17.49	peak
7386.163	28.05	12.68	40.73	54	-13.27	AVG



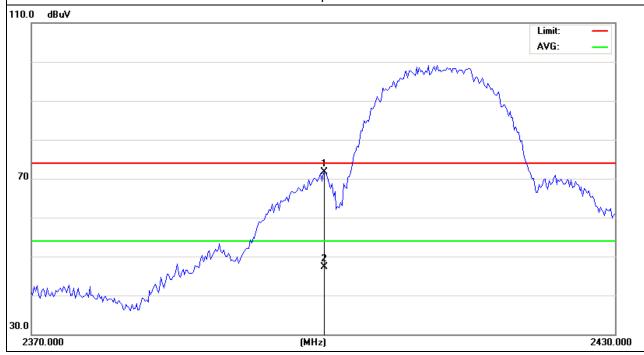


# **Band Edge Emission:**

EUT:	MID	Model Name :	FTABXXX
Temperature :	<b>20</b> ℃	Relative Humidity:	48%
Pressure :	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH1(802.11b Mode)	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2400	84.79	-12.99	71.8	74	-2.2	peak
2400	60.28	-12.99	47.29	54	-6.71	AVG

## Remark:



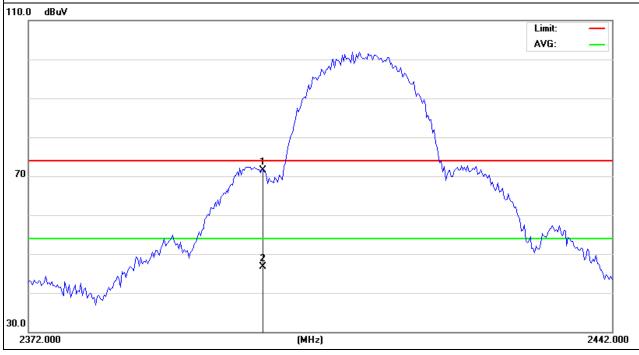


EUT:	MID	Model Name :	FTABXXX
Temperature:	20 ℃	Relative Humidity:	48%
Pressure :	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH1(802.11b Mode)	Polarization :	Vertical

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Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Datastar Tuna
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2400	84.39	-12.99	71.4	74	-2.6	peak
2400	59.62	-12.99	46.63	54	-7.37	AVG

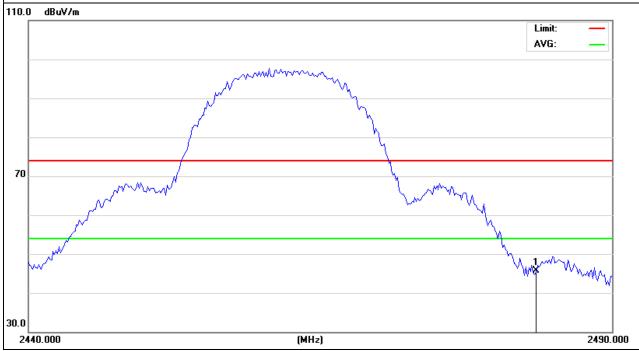
## Remark:





EUT:	MID	Model Name :	FTABXXX
Temperature :	<b>20</b> ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH11(802.11b Mode)	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2483.5	58.43	-12.78	45.65	74	-28.35	peak



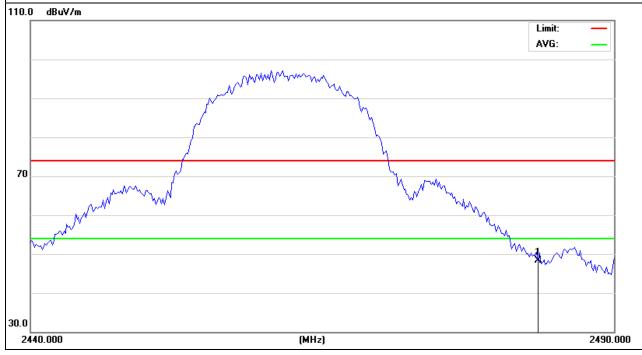


EUT:	MID	Model Name :	FTABXXX
Temperature :	<b>20</b> ℃	Relative Humidity:	48%
Pressure :	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH11(802.11b Mode)	Polarization :	Vertical

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Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2483.5	60.98	-12.78	48.2	74	-25.8	peak

## Remark:



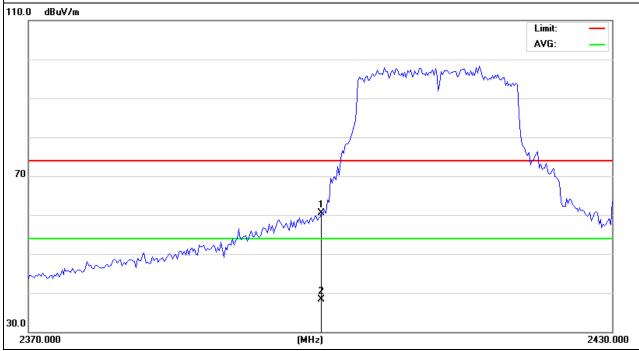


EUT:	MID	Model Name :	FTABXXX
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Pressure :	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH1(802.11g Mode)	Polarization :	Horizontal

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Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2400	73.49	-12.99	60.5	74	-13.5	peak
2400	51.29	-12.99	38.3	54	-15.7	AVG

## Remark:



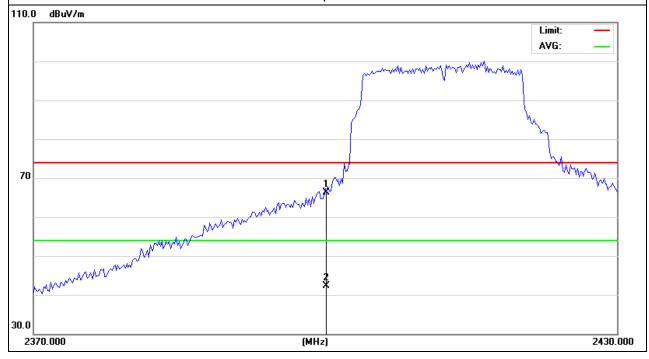


EUT:	MID	Model Name :	FTABXXX
Temperature :	<b>20</b> ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH1(802.11gMode)	Polarization :	Vertical

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Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Datastar Tuna
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2400	79.29	-12.99	66.3	74	-7.7	peak
2400	55.19	-12.99	42.2	54	-11.8	AVG

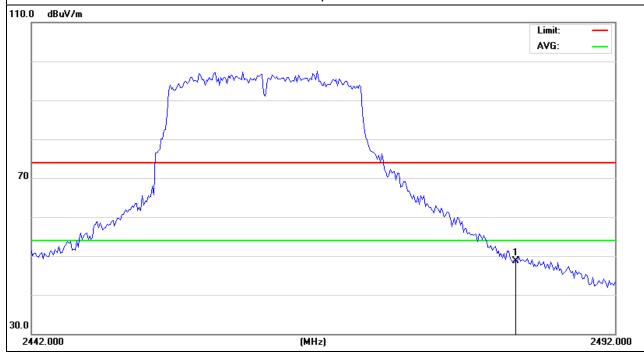
## Remark:





EUT:	MID	Model Name :	FTABXXX
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Pressure :	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH11(802.11g Mode)	Polarization :	Horizontal

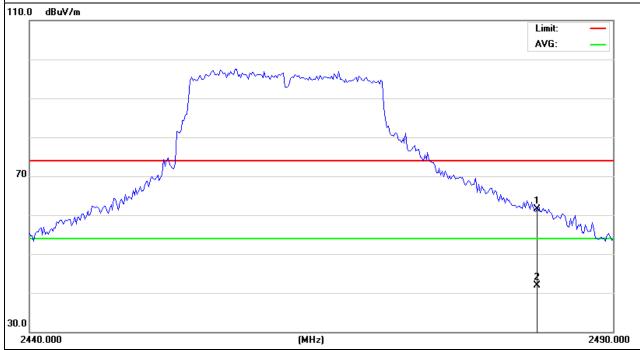
Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2483.5	61.48	-12.78	48.7	74	-25.3	peak





EUT:	MID	Model Name :	FTABXXX
Temperature :	<b>20</b> ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH11(802.11g Mode)	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2483.5	74.28	-12.78	61.5	74	-12.5	peak
2483.5	54.71	-12.78	41.93	54	-12.07	AVG



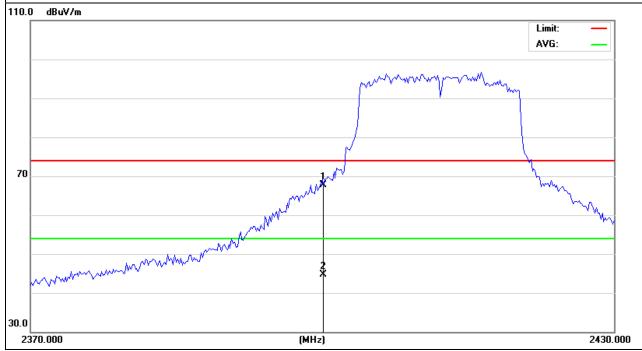


EUT:	MID	Model Name :	FTABXXX
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Pressure :	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH1(802.11n Mode)	Polarization :	Horizontal

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Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2400	80.62	-12.99	67.63	74	-6.37	peak
2400	57.71	-12.99	44.72	54	-9.28	AVG

## Remark:



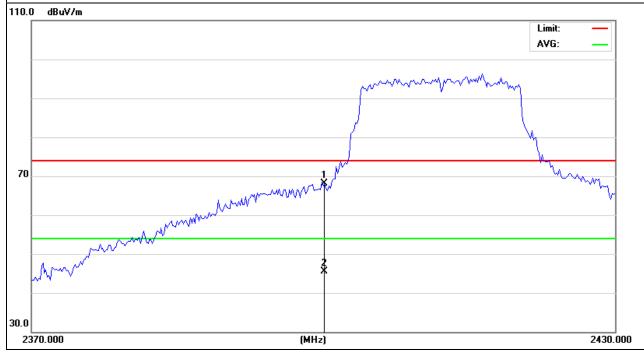


	1	T	
EUT:	MID	Model Name :	FTABXXX
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Pressure :	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH1(802.11n Mode)	Polarization :	Vertical

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Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Data star Tura
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2400	81.17	-12.99	68.18	74	-5.82	peak
2400	58.54	-12.99	45.55	54	-8.45	AVG

## Remark:



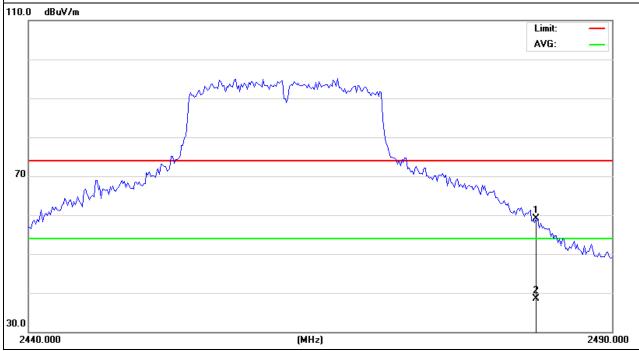


EUT:	MID	Model Name :	FTABXXX
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Pressure :	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH11(802.11n Mode)	Polarization :	Horizontal

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Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2483.5	71.8	-12.78	59.02	74	-14.98	peak
2483.5	51.23	-12.78	38.45	54	-15.55	AVG

## Remark:



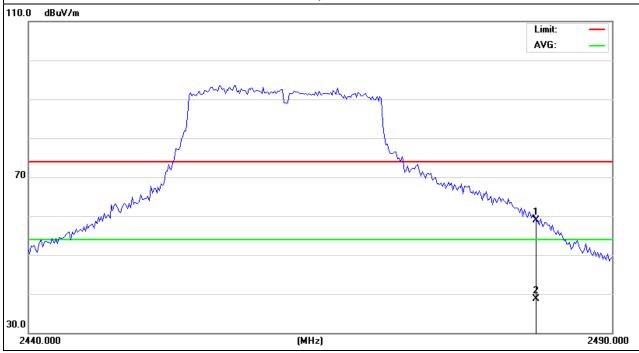


EUT:	MID	Model Name :	FTABXXX
Temperature:	<b>20</b> ℃	Relative Humidity:	48%
Pressure :	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	CH11(802.11n Mode)	Polarization :	Vertical

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Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2483.5	71.61	-12.78	58.83	74	-15.17	peak
2483.5	51.43	-12.78	38.65	54	-15.35	AVG

# Remark:





4. POWER SPECTRAL DENSITY TEST

### 4.1 APPLIED PROCEDURES / LIMIT

	/					
FCC Part15 (15.247) , Subpart C						
Section	Test Item	Limit	Frequency Range (MHz)	Result		
15.247	Power Spectral Density	8 dBm (in any 3KHz)	2400-2483.5	PASS		

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#### 4.1.1 TEST PROCEDURE

- 1. The testing follows Measurement Procedure PKPSD of FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v01.
- 2. The RF output of EUT was connected to the spectrum analyzer by a low loss cable. The path loss was compensated to the results for each measurement.
- 3. Record the measurement data derived from spectrum analyzer.
- 4. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 KHz. Video bandwidth (VBW) >= 300 KHz In order to make an accurate measurement, set the span to 5-30% greater than Emission Bandwidth (EBW)
- 5. Detector = peak, Sweep time = auto couple, Trace mode = max hold, Allow trace to fully stabilize. Use the peak marker function to determine the maximum power level in any 100 kHz band segment within the fundamental EBW.
- 6. Scale the observed power level to an equivalent value in 3 kHz by adjusting (reducing) the measured power by a bandwidth correction factor (BWCF) where BWCF =  $10\log (3 \text{ kHz}/100 \text{ kHz} = -15.2 \text{ dB})$ .

#### 4.1.2 DEVIATION FROM STANDARD

No deviation.

#### 4.1.3 TEST SETUP



### 4.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.1 Unless otherwise a special operating condition is specified in the follows during the testing.



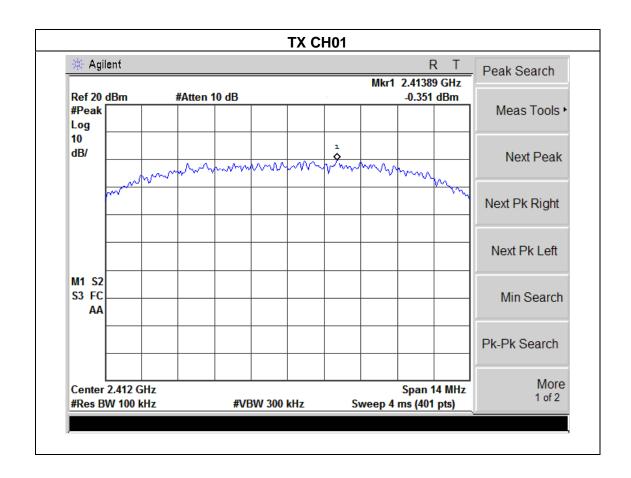
## 4.1.5 TEST RESULTS

EUT:	MID	Model Name :	FTABXXX	
Temperature:	<b>25</b> ℃	Relative Humidity:	60%	
Pressure :	1015 hPa	Test Voltage :	DC 3.7V	
Test Mode :	TX b Mode /CH01, CH06, CH11			

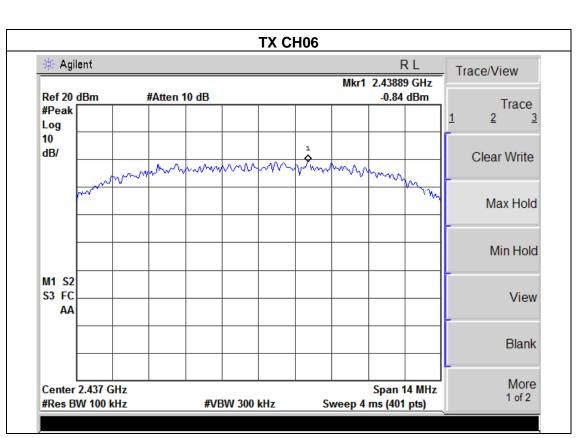
Frequency	Power Density (dBm)	PSD/ 3KHz (dBm)	Limit (dBm)	Result
2412 MHz	-0.35	-15.55	8	PASS
2437 MHz	-0.84	-16.04	8	PASS
2462 MHz	-0.29	-15.49	8	PASS

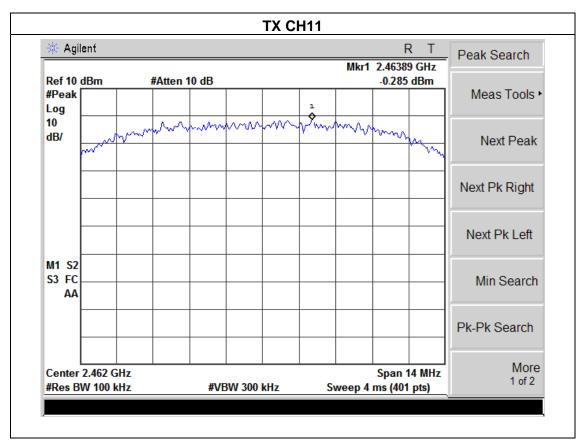
#### Note:

1. BWCF =  $10\log (3 \text{ kHz}/100 \text{ kHz} = -15.2 \text{ dB})$ .











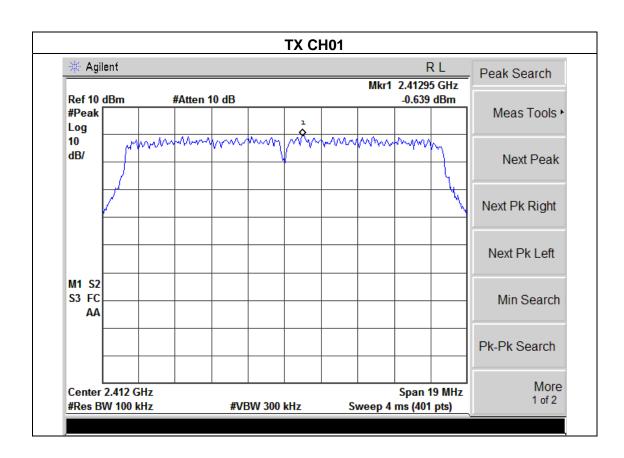
			_
EUT:	MID	Model Name :	FTABXXX
Temperature :	25 ℃	Relative Humidity:	60%
Pressure :	1015 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX g Mode /CH01, CH06, CH1	1	

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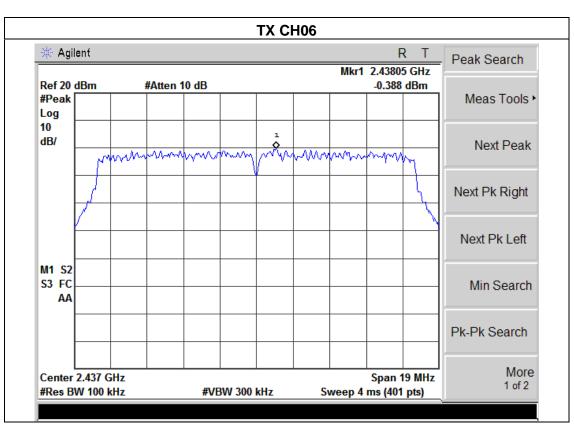
Frequency	Power Density (dBm)	PSD/ 3KHz (dBm)	Limit (dBm)	Result
2412 MHz	-0.64	-15.84	8	PASS
2437 MHz	-0.39	-15.59	8	PASS
2462 MHz	-1.92	-17.12	8	PASS

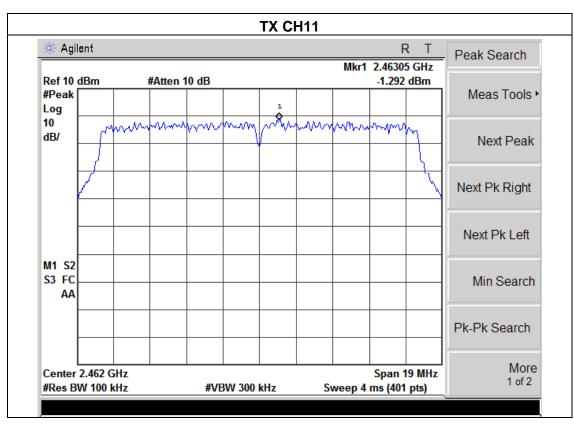
#### Note:

1. BWCF =  $10\log (3 \text{ kHz}/100 \text{ kHz} = -15.2 \text{ dB})$ .











EUT: MID Model Name: FTABXXX

Temperature: 25 °C Relative Humidity: 60%

Pressure: 1015 hPa Test Voltage: DC 3.7V

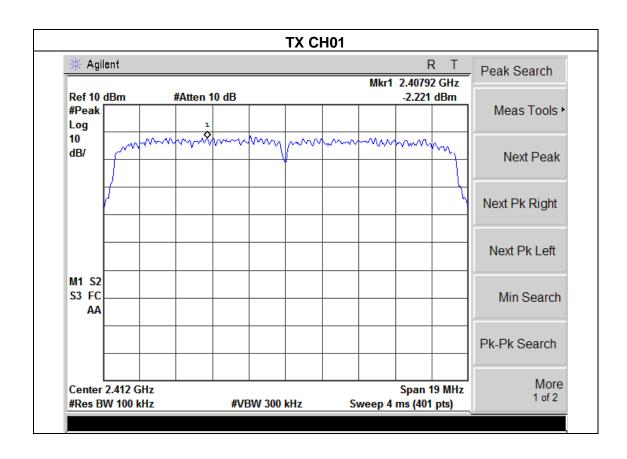
Test Mode: TX n Mode(20M) /CH01, CH06, CH11

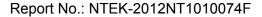
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Frequency	Power Density (dBm)	PSD/ 3KHz (dBm)	Limit (dBm)	Result
2412 MHz	-2.22	-17.42	8	PASS
2437 MHz	-1.41	-16.61	8	PASS
2462 MHz	-1.74	-16.94	8	PASS

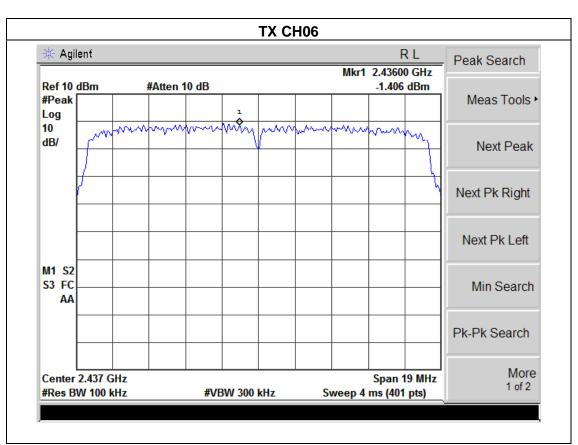
#### Note:

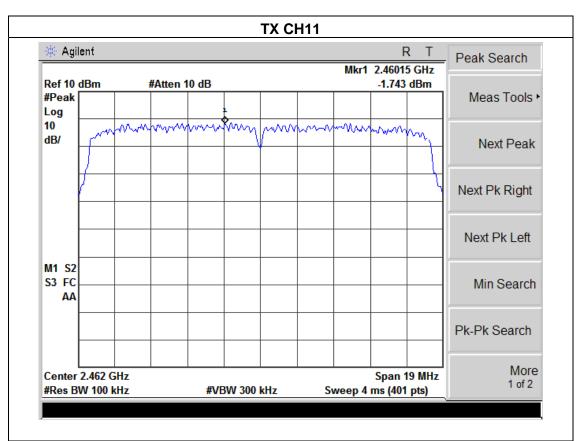
1. BWCF =  $10\log (3 \text{ kHz}/100 \text{ kHz} = -15.2 \text{ dB})$ .













**5. BANDWIDTH TEST** 

#### 5.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C					
Section Test Item Limit			Frequency Range (MHz)	Result	
15.247(a)(2)	Bandwidth	>= 500KHz (6dB bandwidth)	2400-2483.5	PASS	

#### **5.1.1 TEST PROCEDURE**

a.

- 1. The testing follows FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v01.
- 2. The RF output of EUT was connected to the spectrum analyzer by a low loss cable. The path loss was compensated to the results for each measurement.
- 3. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 1-5% of the emission bandwidth (EBW). Set the Video bandwidth (VBW)  $\geq$  3 \* RBW. In order to make an accurate measurement. The 6 dB bandwidth must be greater than 500 KHz.
- 4. The marker-delta reading at this point is the 6 dB bandwidth of the emission.

#### **5.1.2 DEVIATION FROM STANDARD**

No deviation.

#### 5.1.3 TEST SETUP



### **5.1.4 EUT OPERATION CONDITIONS**

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

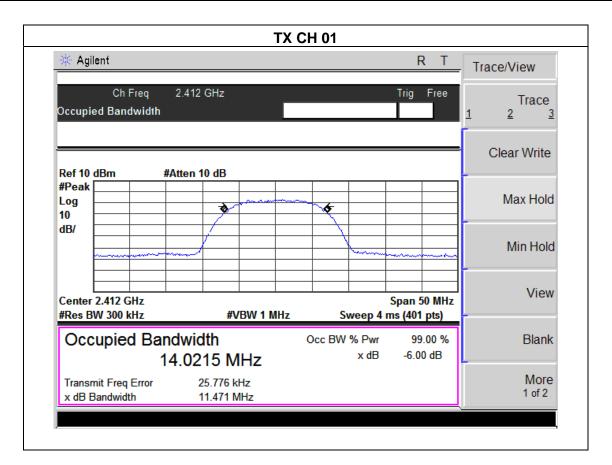


### **5.1.5 TEST RESULTS**

EUT:	MID	Model Name :	FTABXXX
Temperature :	<b>25</b> ℃	Relative Humidity:	60%
Pressure :	1012 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX b Mode /CH01, CH06, CH1	1	

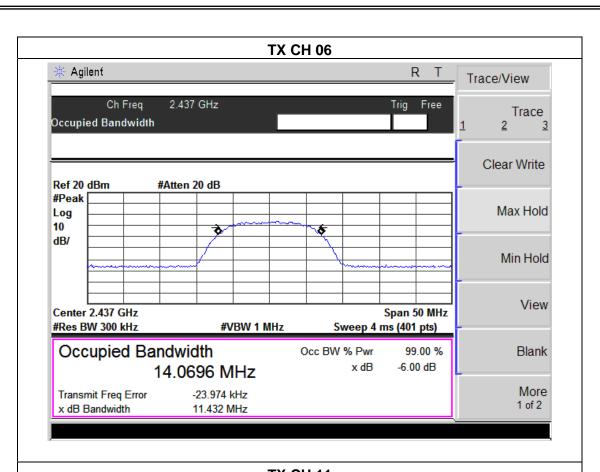
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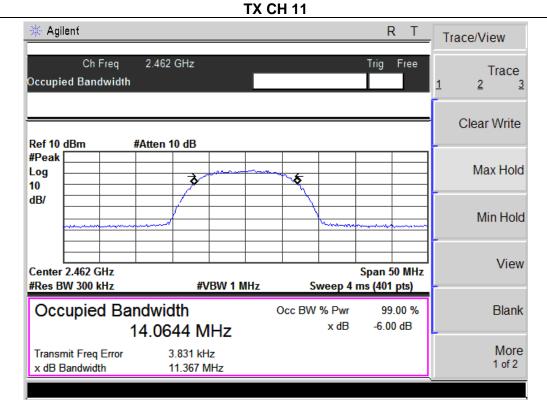
Frequency	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Channel Separation (MHz)	Result
2412 MHz	11.47	14.02	>=500KHz	PASS
2437 MHz	11.43	14.07	>=500KHz	PASS
2462 MHz	11.37	14.06	>=500KHz	PASS



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EUT: MID Model Name: FTABXXX

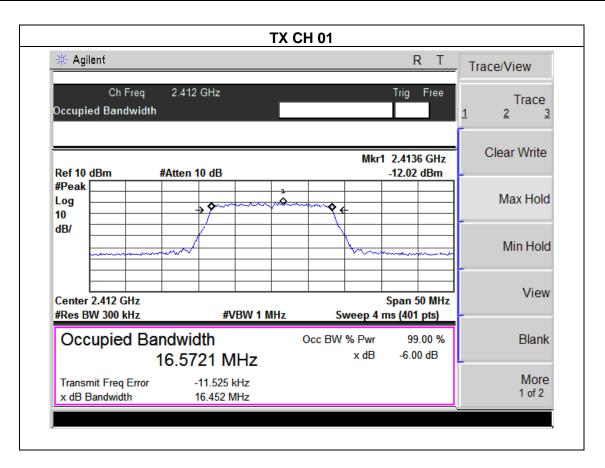
Temperature: 25 °C Relative Humidity: 60%

Pressure: 1012 hPa Test Voltage: DC 3.7V

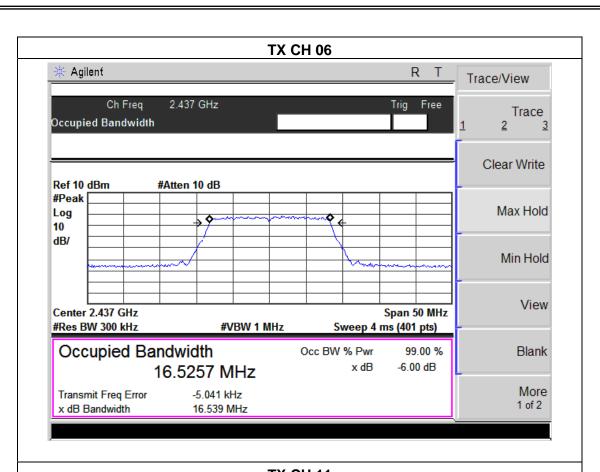
Test Mode: TX g Mode /CH01, CH06, CH11

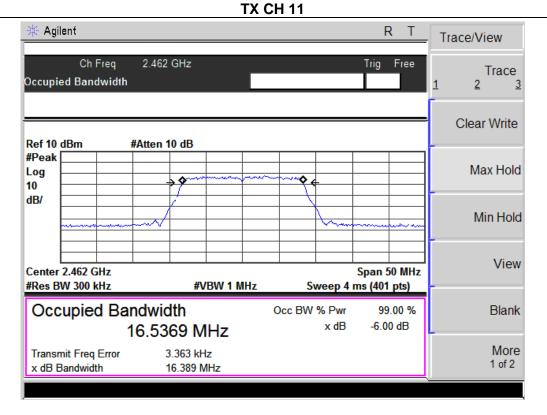
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Frequency	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Channel Separation (MHz)	Result
2412 MHz	16.45	16.57	>=500KHz	PASS
2437 MHz	16.54	16.53	>=500KHz	PASS
2462 MHz	16.39	16.54	>=500KHz	PASS











EUT: MID Model Name: FTABXXX

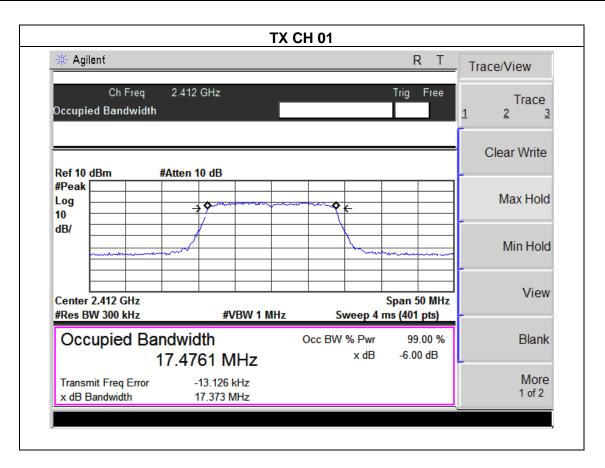
Temperature: 25 °C Relative Humidity: 60%

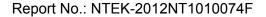
Pressure: 1012 hPa Test Voltage: DC 3.7V

Test Mode: TX n Mode /CH01, CH06, CH11

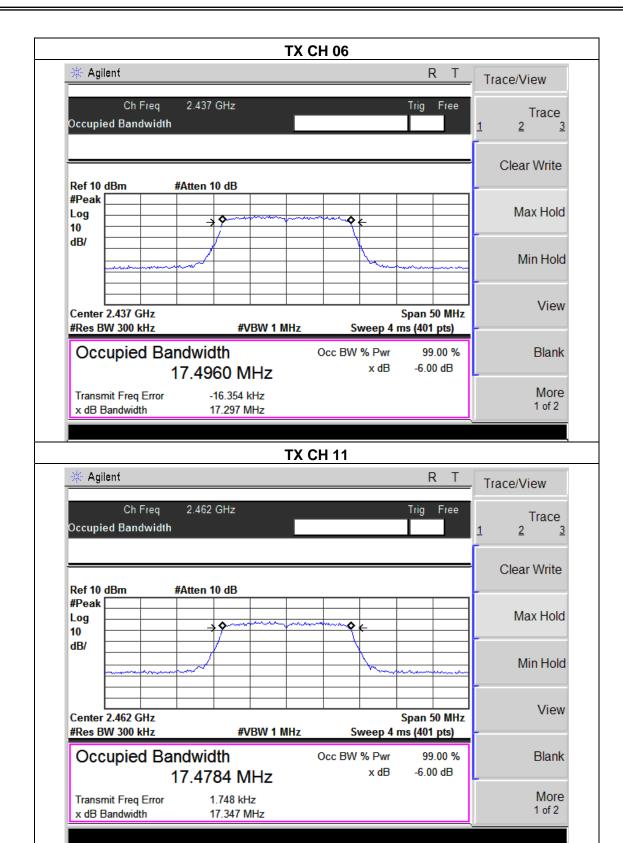
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Frequency	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Channel Separation (MHz)	Result
2412 MHz	17.37	17.48	>=500KHz	PASS
2437 MHz	17.30	17.50	>=500KHz	PASS
2462 MHz	17.35	17.49	>=500KHz	PASS











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## **6. PEAK OUTPUT POWER TEST**

### **6.1 APPLIED PROCEDURES / LIMIT**

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(b)(3)	Peak Output Power	1 watt or 30dBm	2400-2483.5	PASS

## **6.1.1 TEST PROCEDURE**

a. The EUT was directly connected to the Power meter

### **6.1.2 DEVIATION FROM STANDARD**

No deviation.

### 6.1.3 TEST SETUP

**EUT POWER METER** 

#### **6.1.4 EUT OPERATION CONDITIONS**

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



6.1.5 TEST RESULTS

EUT:	MID	Model Name :	FTABXXX	
Temperature :	<b>25</b> ℃	Relative Humidity:	60%	
Pressure:	1012 hPa	Test Voltage :	DC 3.7V	
Test Mode :	TX b/g/n Mode /CH01, CH06, CH11			

	TX 802.11b Mode					
Test Channe	Freque ncy	Peak output power. Antenna	Antenna Gain	EIRP	LIMIT	
Chamile	(MHz)	(dBm)	dBi	dBm	dBm	
CH01	2412	10.71	2	12.71	30	
CH06	2437	10.34	2	12.34	30	
CH11	2462	10.32	2	12.32	30	
		T)	( 802.11g Mode			
CH01	2412	8.78	2	10.78	30	
CH06	2437	8.12	2	10.12	30	
CH11	2462	8.41	2	10.41	30	
		T)	( 802.11n Mode			
CH01	2412	8.91	2	10.91	30	
CH06	2437	8.65	2	10.65	30	
CH11	2462	8.54	2	10.54	30	



7. ANTENNA REQUIREMENT

## 7.1 STANDARD REQUIREMENT

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

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## **7.2 EUT ANTENNA**

The EUT antenna is FPCB antenna. It comply with the standard requirement.
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## 8. EUT TEST PHOTO





