



# FCC Radio Test Report

**FCC ID: 2ADG3-DL46**

**FCC 47 CFR Part 15 Subpart C**

**Product :** Tablet PC

**Trade Name :** EVG7

**Model Number :** DL46

**Issued for**

NKAAY Science and Technology Development Co.,Ltd

Plant 3,Puxia industrial area,Liuyue community, Henggang street,Longgang district. 518116, Shenzhen,China

**Issued by**

Shenzhen STONE Testing Technology Co., Ltd.

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The test results in the report only apply to the tested sample.*



## TEST RESULT CERTIFICATION

Product ..... : Tablet PC  
Applicant..... : NKAAY Science and Technology Development Co.,Ltd  
Address ..... : Plant 3,Puxia industrial area,Liuyue community, Henggang street,  
Longgang District. 518116Shenzhen,China  
Manufacturer..... : NKAAY Science and Technology Development Co.,Ltd  
Address ..... : Plant 3,Puxia industrial area,Liuyue community, Henggang street,  
Longgang District. 518116Shenzhen,China  
Model No. .... : DL46  
Standards ..... : FCC Part 15 Subpart C (15.247)  
Test Method..... : ANSI C63.4: 2003  
KDB 558074 D01 v03r02 and KDB 662911 D01v02r01

The above equipment has been tested by Shenzhen STONE Testing Technology Co., Ltd. and found compliance with the requirements set forth in the technical standards mentioned above. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

**Test**..... :

Date of receipt of test item ..... 2014-11-10

Date(s) of performance of test ..... 2014-11-11 to 2014-11-24

Test Result..... : Pass

Testing by	:	<u>Linna Liu</u>	Date	:	<u>2014-11-24</u>
		(Linna Liu)			
Check by	:	<u>Andy Huang</u>	Date	:	<u>2014-11-25</u>
		(Andy Huang)			
Approved by	:	<u>Ethan Chen</u>	Date	:	<u>2014-11-25</u>
		(Ethan Chen)			



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## 1. TEST SUMMARY

Test procedures according to the technical standards:

FCC Part 15 Subpart C (15.247)			
Standard Section	Test Item	Judgment	Remark
15.207	AC Power Conducted Emission	PASS	
15.247(d)	Antenna Conducted Spurious Emissions	PASS	
15.247(b)(3)	Output Power	PASS	
15.247(a)(2)	6dB RF Bandwidth	PASS	
15.247(e)	Power Spectral Density	PASS	
15.209/15.205	Transmitter Radiated Emissions	PASS	
15.203	Antenna Requirement	PASS	

**NOTE:**

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

(2) The test results of this report relate only to the tested sample(s) identified in this report.



## 1.1 TEST FACILITY

Shenzhen STONE Testing Technology Co., Ltd.

Add. : F/6, Bldg.12, Zhongxing Industrial City, Chuangye Rd., Nanshan District, Shenzhen, Guangdong, China

Our laboratories are accredited and approved by the following approval agencies according to ISO/IEC 17025.

FCC Registration No.: 323508

IC Registration No.: 11043A

## 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 %.

### A. Conducted Emission :

The measurement uncertainty is evaluated as  $\pm 3.2$  dB.

### B. Radiated Measurement :

The measurement uncertainty is evaluated as  $\pm 3.7$  dB.



## 2. GENERAL INFORMATION

### 2.1 GENERAL DESCRIPTION OF EUT

Equipment	Tablet PC
Model Name	DL46
Additional Model Number(s)	N/A
Model Difference	N/A
Frequency Range	2400~2483.5 MHz
Modulation Type	802.11b: DSSS 802.11g: OFDM 802.11n: OFDM
Data Rate	802.11b: 1/2/5.5/11 Mbps 802.11g: 6/9/12/18/24/36/48/54 Mbps 802.11n: 450 Mbps
RF Output Power	802.11b: 9.51 dBm 802.11g: 9.59 dBm 802.11n(HT20): 9.62 dBm 802.11n(HT40): 9.61 dBm
Antenna Type	PIFA Antenna (Max. Gain: 0 dBi)
Power Source	AC power by AC/DC Adapter DC Power by Li-ion Battery
Power Rating	AC/DC Adapter: Input: AC 120~240V 50/60 Hz Output: DC19V, 3.42A Li-ion Battery: DC 1.1V 6600 mAH
Remark	More details EUT technical specifications, please refer to the User's Manual.

**Note:**

- (1) This Test Report is FCC Part 15 Subpart C, 15.247 for IEEE 802.11b/g/n. And the Test procedure follows the FCC KDB 558075 D01 DTS Meas Guidance V03R02.
- (2) Transmitting mode with antennas

Mode	TX Antenna (s)
802.11b	1
802.11g	1
802.11n(HT20)	1
802.11n(HT40)	1



## (3) Channel List.

2.4 GHz Band				
Frequency Band	Channel No.	Frequency	Channel No.	Frequency
2400~2483.5MHz	1	2412 MHz	7	2442 MHz
	2	2417 MHz	8	2447 MHz
	3	2422 MHz	9	2452 MHz
	4	2427 MHz	10	2457 MHz
	5	2432 MHz	11	2462 MHz
	6	2437 MHz		
For 802.11b/g/n(HT20), use channel 1~11				
For 802.11n(HT40), use channel 3~9				





## 2.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generated from EUT, the test system was pre-scanning tested based on the consideration of following EUT operation mode or test configuration mode which possibly 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	WiFi TX Mode
Mode 2	WiFi TX 802.11b Mode
Mode 3	WiFi TX 802.11g Mode
Mode 4	WiFi TX 802.11n(HT20)Mode
Mode 5	WiFi TX 802.11n(HT40) Mode

For Conducted Test	
Final Test Mode	Description
Mode 2	WiFi TX Mode

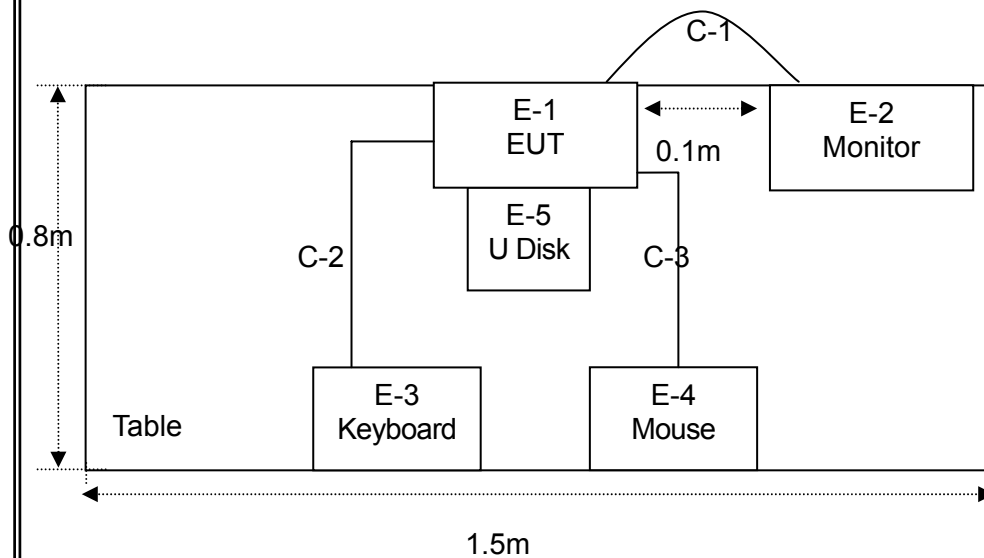
For Radiated Test	
Final Test Mode	Description
Mode 1	WiFi TX Mode
Mode 2	WiFi TX 802.11b Mode
Mode 3	WiFi TX 802.11g Mode
Mode 4	WiFi TX 802.11n(HT20)Mode
Mode 5	WiFi TX 802.11n(HT40) Mode

Note:

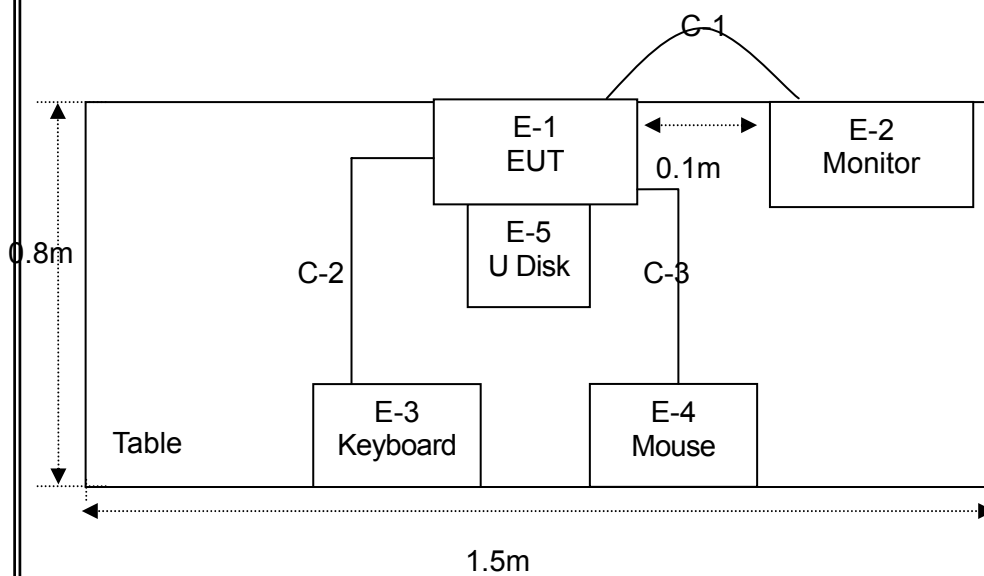
- (1) Software used to control the EUT for staying in continuous transmitting mode was programmed. After verification, all tests were carried out with the worst case test modes as shown below.
- (2) IEEE 802.11b Mode:  
Channel (2412/2437/2462 MHz) with 1Mbps data rate were chosen for full testing.
- (3) IEEE 802.11g Mode:  
Channel (2412/2437/2462 MHz) with 6 Mbps data rate were chosen for full testing.
- (4) IEEE 802.11n(HT20) Mode:  
Channel (2412/2437/2462 MHz) with MCS 0 data rate were chosen for full testing.
- (5) IEEE 802.11n(HT40) Mode:  
Channel (2422/2437/2452 MHz) with MCS 0 data rate were chosen for full testing.
- (6) By preliminary testing and verifying three axis (X, Y and Z) position of EUT transmitted status, it was found that "X axis" position was the worst, then the final test was executed the worst condition and test data were recorded in this report.
- (7) By preliminary testing and verifying the EUT Antenna positioned horizontal and vertical. And found the worst condition is the antenna positioned vertical.

## 2.3 DESCRIPTION OF TEST SETUP

### Conducted Emission



### Radiated Emission





## 2.4 DESCRIPTION TEST PERIPHERAL AND EUT PERIPHERAL

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

Item	Equipment	Mfr/Brand	Model/Type No.	FCC ID/FCC DOC	Note
E-1	Tablet PC	EVG7	DL46	FCC ID	EUT
E-2	Monitor	HP	LV2011	FCC DOC	
E-3	Keyboard	DELL	KU-9985	FCC DOC	
E-4	Mouse	DELL	MS111-P	FCC DOC	
E-5	U Disk	Kinston	2GB	FCC DOC	

Item	Shielded Type	Ferrite Core	Length	Note
C-1	YES	YES	1.8m	VGA Cable
C-2	YES	YES	1.5m	USB Cable
C-3	YES	YES	1.5m	USB Cable

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” means “shielded” “with core”; “NO” means “unshielded” “without core”.

## 2.5 EUT Exercise Software

Power Parameters for Testing			
Test Software Version		RT3070QA.exe	
Mode	Frequency/ Parameters		
802.11b	2412 MHz	2437 MHz	2462 MHz
	DEF	DEF	DEF
802.11g	2412 MHz	2437 MHz	2462 MHz
	DEF	DEF	DEF
802.11n(HT20)	2412 MHz	2437 MHz	2462 MHz
	DEF	DEF	DEF
802.11n(HT40)	2422 MHz	2437 MHz	2452 MHz
	DEF	DEF	DEF



### 3. CONDUCTED EMISSION TEST

#### 3.1 CONDUCTED EMISSION MEASUREMENT (Frequency Range 150KHz-30MHz)

FREQUENCY (MHz)	Quasi-peak	Average
	dBuV	dBuV
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.

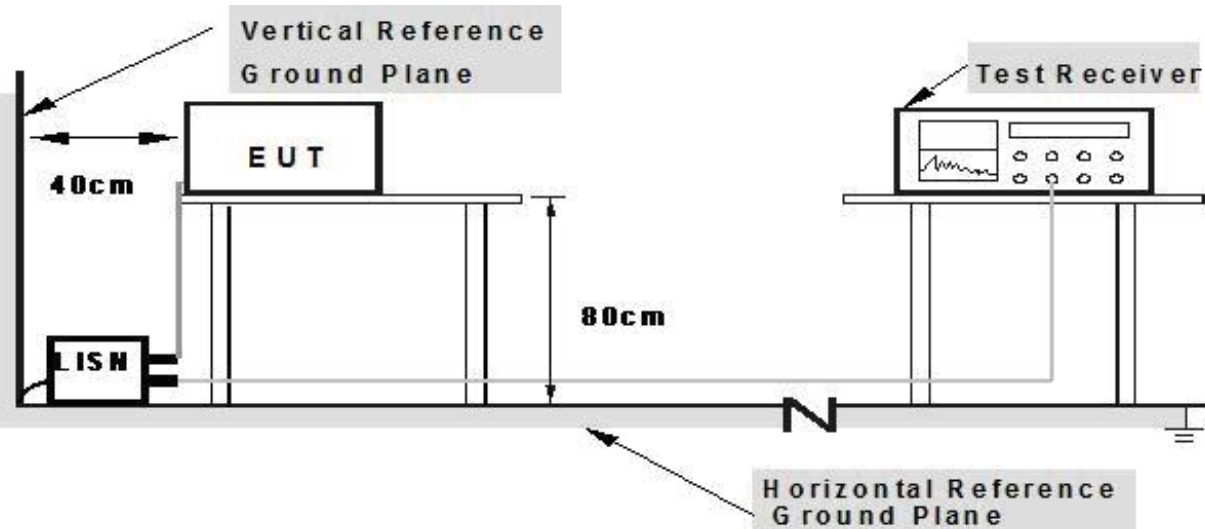
The following table is the setting of the receiver

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

#### 3.2 TEST PROCEDURE

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

### 3.3 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**

### 3.4 TEST INSTRUMENTS

Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
LISN	R&S	NSLK81	8126466	Jul. 06, 2014	Jul. 05. 2015	1 year
LISN	R&S	NSLK81	8126487	Dec. 25, 2013	Dec. 24, 2014	1 year
50Ω Switch	ANRITSU CORP	MP59B	6200983704	Jul. 06, 2014	Jul. 05. 2015	1 year
Test Cable	N/A	C01	N/A	Jul. 06, 2014	Jul. 05. 2015	1 year
Test Cable	N/A	C02	N/A	Jul. 06, 2014	Jul. 05. 2015	1 year
Test Cable	N/A	C03	N/A	Jul. 06, 2014	Jul. 05. 2015	1 year
EMI Test Receiver	R&S	ESCI	1166.595	Jul. 06, 2014	Jul. 05. 2015	1 year
Passive Voltage Probe	ESH2-Z3	R&S	100196	Jul. 06, 2014	Jul. 05. 2015	1 year

### 3.5 EUT OPERATING CONDITIONS

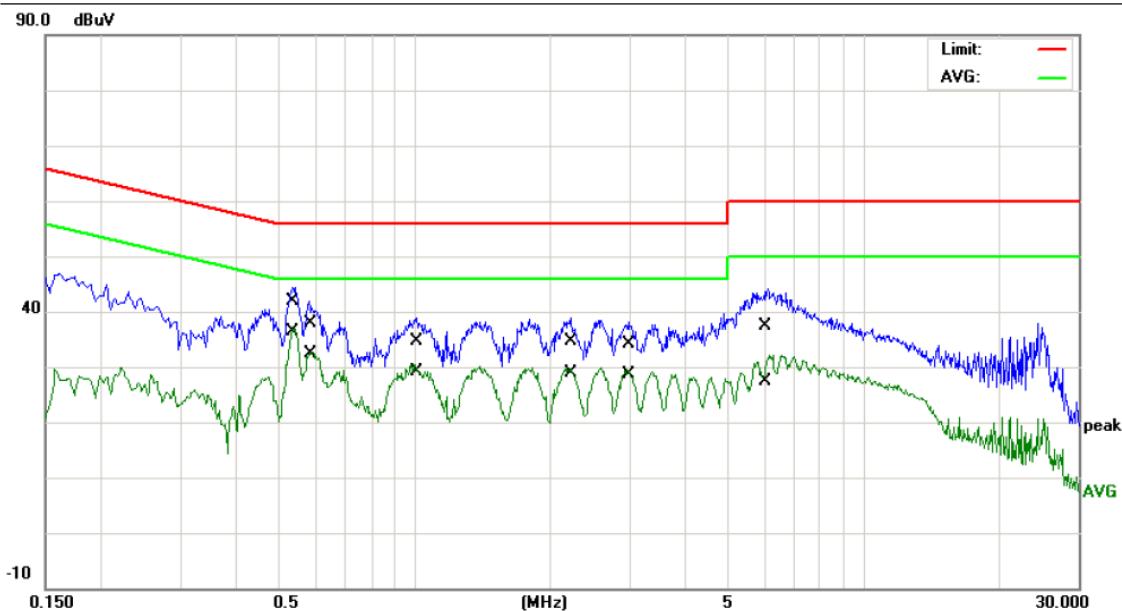
The EUT tested system was configured as the statements of **2.3** Unless otherwise a special operating condition is specified in the follows during the testing.



## 3.6 TEST RESULTS

EUT :	TABLET PC	Model Name. :	DL46
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010hPa	Test Date :	2014-11-21
Test Mode :	Mode 1	Phase :	Line
Test Voltage :	120V/ 60Hz		

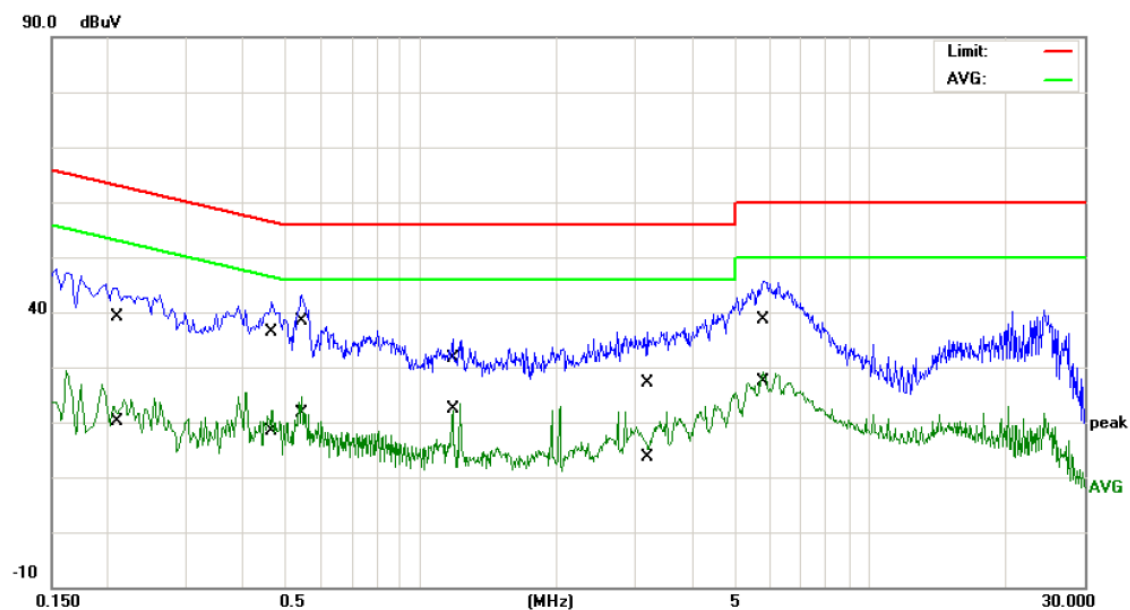
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.5340	31.80	10.04	41.84	56.00	-14.16	QP	
2	*	0.5340	26.45	10.04	36.49	46.00	-9.51	AVG	
3		0.5900	27.73	10.06	37.79	56.00	-18.21	QP	
4		0.5900	22.22	10.06	32.28	46.00	-13.72	AVG	
5		1.0100	24.62	10.06	34.68	56.00	-21.32	QP	
6		1.0100	19.03	10.06	29.09	46.00	-16.91	AVG	
7		2.2140	24.48	10.05	34.53	56.00	-21.47	QP	
8		2.2140	18.81	10.05	28.86	46.00	-17.14	AVG	
9		2.9780	24.01	10.03	34.04	56.00	-21.96	QP	
10		2.9780	18.67	10.03	28.70	46.00	-17.30	AVG	
11		6.0100	27.40	10.01	37.41	60.00	-22.59	QP	
12		6.0100	17.30	10.01	27.31	50.00	-22.69	AVG	





EUT :	TABLET PC	Model Name. :	DL46
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010hPa	Test Date :	2014-11-21
Test Mode :	Mode 1	Phase :	Neutral
Test Voltage :	120V/ 60Hz		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.2100	29.03	10.12	39.15	63.21	-24.06	QP	
2		0.2100	10.07	10.12	20.19	53.21	-33.02	AVG	
3		0.4660	26.32	10.03	36.35	56.58	-20.23	QP	
4		0.4660	8.35	10.03	18.38	46.58	-28.20	AVG	
5	*	0.5420	28.24	10.02	38.26	56.00	-17.74	QP	
6		0.5420	11.54	10.02	21.56	46.00	-24.44	AVG	
7		1.1740	21.47	10.14	31.61	56.00	-24.39	QP	
8		1.1740	12.22	10.14	22.36	46.00	-23.64	AVG	
9		3.1740	17.11	10.06	27.17	56.00	-28.83	QP	
10		3.1740	3.62	10.06	13.68	46.00	-32.32	AVG	
11		5.7620	28.50	10.06	38.56	60.00	-21.44	QP	
12		5.7620	17.41	10.06	27.47	50.00	-22.53	AVG	





#### 4. RADIATED EMISSION MEASUREMENT

##### 4.1 RADIATED EMISSION LIMIT (Frequency Range 9KHz-1000MHz)

20 dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a) and RSS-210 Section 2.2&A8.5, then the 15.209(a) and RSS-General limit in the table below has to be followed.

FREQUENCY (MHz)	Field Strength (uV/m at 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

##### RADIATED EMISSION LIMITS (Above 1000MHz)

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

Note:

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

The following table is the setting of the receiver

Receiver Parameter	Setting
Attenuation	Auto
Start Frequency~ Stop Frequency	9kHz~150kHz/ RB 200Hz for QP
Start Frequency~ Stop Frequency	150kHz~30MHz/ RB 9kHz for QP
Start Frequency~ Stop Frequency	30MHz~1000MHz/ RB120kHz for QP

The following table is the setting of the spectrum

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10 <sup>th</sup> carrier harmonic
RB/ VB (emission in restricted band)	1MHz/ 3 MHz for Peak, 1MHz/ 10Hz for Average

##### 4.2 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, above 1G Average detector mode will be instead.
- 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.

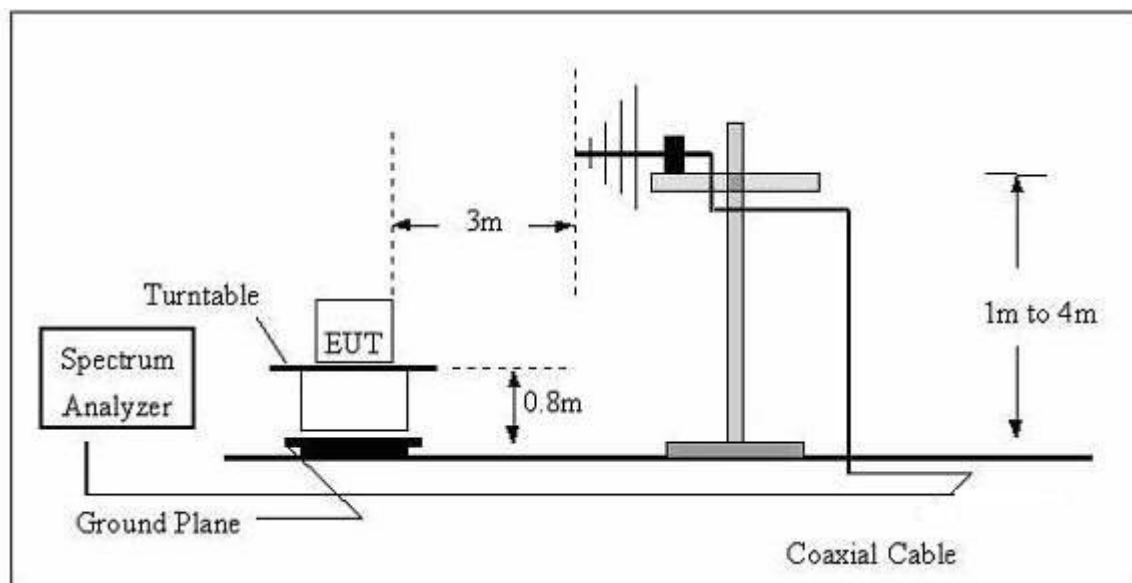
Note:

Both horizontal and vertical antenna polarities were tested.

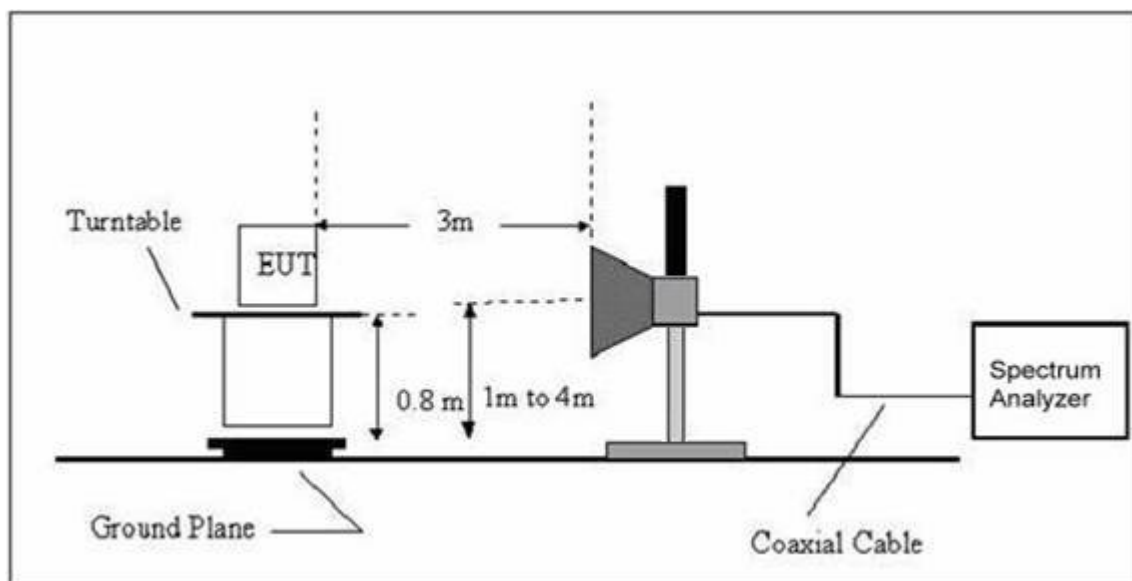
And performed pretest to three orthogonal axis. The worst case emissions were reported.

#### 4.3 TEST SETUP

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



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



### 4.4 TEST INSTRUMENTS

Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
Broadband Antenna	R&S	VULB 9168	VULB 9168-456	Jul. 06, 2014	Jul. 05. 2015	1 year
Test Cable	N/A	R-01	N/A	Dec. 25, 2013	Dec. 24, 2014	1 year
Test Cable	N/A	R-02	N/A	Dec. 25, 2013	Dec. 24, 2014	1 year
EMI Test Receiver	R&S	ESCI	101324	Jul. 06, 2014	Jul. 05. 2015	1 year
Antenna Mast	EM	SC100_1	N/A	N/A	N/A	N/A
Turn Table	EM	SC100	060531	N/A	N/A	N/A
50Ω Switch	Anritsu Corp	MP59B	6200983705	Jul. 06, 2014	Jul. 05. 2015	1 year
Spectrum Analyzer	R&S	FSP40	100154	Jul. 06, 2014	Jul. 05. 2015	1 year
Horn Antenna	R&S	HF906	10029	Jul. 06, 2014	Jul. 05. 2015	1 year
Amplifier	EM	EM-30180	060538	Jul. 06, 2014	Jul. 05. 2015	1 year

### 4.5 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.



## 4.6 TEST RESULTS

### 4.6.1 TEST RESULTS (Bellow 1GHz)

EUT :	TABLET PC	Model Name. :	DL46
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010hPa	Test Date :	2014-11-21
Test Mode :	TX B Mode 2412	Polarization :	Horizontal
Test Power :	AC 120V/60 Hz		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		65.5727	50.05	-15.77	34.28	40.00	-5.72	peak	
2		115.3206	54.09	-14.94	39.15	43.50	-4.35	peak	
3		148.5562	56.08	-17.55	38.53	43.50	-4.97	peak	
4	*	223.7514	55.45	-13.71	41.74	46.00	-4.26	peak	
5		451.1352	50.18	-8.75	41.43	46.00	-4.57	peak	
6		771.4490	45.39	-4.04	41.35	46.00	-4.65	peak	

Remark:

Factor = Antenna Factor + Cable Loss.



EUT :	TABLET PC	Model Name. :	DL46
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010hPa	Test Date :	2014-11-21
Test Mode :	Mode 1	Polarization :	Vertical
Test Power :	AC 120V/60 Hz		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		148.4410	52.30	-17.55	34.75	43.50	-8.75	peak	
2		223.7334	53.19	-13.72	39.47	46.00	-6.53	peak	
3		232.5318	51.89	-13.27	38.62	46.00	-7.38	peak	
4		444.8514	50.38	-8.77	41.61	46.00	-4.39	peak	
5	*	696.8567	47.72	-5.24	42.48	46.00	-3.52	peak	
6		958.7952	44.18	-2.59	41.59	46.00	-4.41	peak	

Remark:

Factor = Antenna Factor + Cable Loss.



## 4.6.2 TEST RESULTS (Above 1GHz)

EUT :	TABLET PC	Model Name. :	DL46
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010hPa	Test Date :	2014-11-21
Test Mode :	B Mode 2412 TX Mode	Polarization :	Horizontal
Test Power :	AC 120V/60 Hz		

No. Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.000	47.48	0.77	48.25	74.00	-25.75	peak	
2	2390.000	38.60	0.77	39.37	54.00	-14.63	AVG	
3 X	2411.300	101.0	0.86	101.87	74.00	27.87	peak	Fundamental Frequency
4 *	2411.300	96.38	0.86	97.24	54.00	43.24	AVG	Fundamental Frequency

EUT :	TABLET PC	Model Name. :	DL46
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010hPa	Test Date :	2014-11-21
Test Mode :	B Mode 2412 TX Mode	Polarization :	Vertical
Test Power :	AC 120V/60 Hz		

No. Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.000	50.18	0.77	50.95	74.00	-23.05	peak	
2	2390.000	38.41	0.77	39.18	54.00	-14.82	AVG	
3 X	2411.300	100.0	0.86	100.91	74.00	26.91	peak	Fundamental Frequency
4 *	2411.300	95.35	0.86	96.21	54.00	42.21	AVG	Fundamental Frequency



EUT :	TABLET PC	Model Name. :	DL46
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010hPa	Test Date :	2014-11-21
Test Mode :	B Mode 2412 TX Mode	Polarization :	Horizontal
Test Power :	AC 120V/60 Hz		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.100	43.89	6.77	50.66	74.00	-23.34	peak	
2	*	4824.100	38.12	6.77	44.89	54.00	-9.11	AVG	

EUT :	TABLET PC	Model Name. :	DL46
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010hPa	Test Date :	2014-11-21
Test Mode :	B Mode 2412 TX Mode	Polarization :	Vertical
Test Power :	AC 120V/60 Hz		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.100	43.89	8.77	52.66	74.00	-21.34	peak	
2	*	4824.100	36.31	8.77	45.08	54.00	-8.92	AVG	



EUT :	TABLET PC	Model Name. :	DL46
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010hPa	Test Date :	2014-11-21
Test Mode :	B Mode 2437 TX Mode	Polarization :	Horizontal
Test Power :	AC 120V/60 Hz		

No. Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4874.110	43.70	6.78	50.48	74.00	-23.52	peak	
2 *	4874.110	37.84	6.78	44.62	54.00	-9.38	AVG	

EUT :	TABLET PC	Model Name. :	DL46
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010hPa	Test Date :	2014-11-21
Test Mode :	B Mode 2437 TX Mode	Polarization :	Vertical
Test Power :	AC 120V/60 Hz		

No. Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4874.110	42.90	8.78	51.68	74.00	-22.32	peak	
2 *	4874.110	36.41	8.78	45.19	54.00	-8.81	AVG	



EUT :	TABLET PC	Model Name. :	DL46
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010hPa	Test Date :	2014-11-21
Test Mode :	B Mode 2462 TX Mode	Polarization :	Horizontal
Test Power :	AC 120V/60 Hz		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2463.000	100.4	1.08	101.56	74.00	27.56	peak	Fundamental Frequency
2	*	2463.100	95.09	1.08	96.17	54.00	42.17	AVG	Fundamental Frequency
3		2483.500	50.22	1.17	51.39	74.00	-22.61	peak	
4		2483.500	37.74	1.17	38.91	54.00	-15.09	AVG	

EUT :	TABLET PC	Model Name. :	DL46
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010hPa	Test Date :	2014-11-21
Test Mode :	B Mode 2462 TX Mode	Polarization :	Vertical
Test Power :	AC 120V/60 Hz		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2463.100	99.64	1.08	100.72	74.00	26.72	peak	Fundamental Frequency
2	*	2463.100	94.14	1.08	95.22	54.00	41.22	AVG	Fundamental Frequency
3		2483.500	50.26	1.17	51.43	74.00	-22.57	peak	
4		2483.500	37.58	1.17	38.75	54.00	-15.25	AVG	





EUT :	TABLET PC	Model Name. :	DL46
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010hPa	Test Date :	2014-11-21
Test Mode :	B Mode 2462 TX Mode	Polarization :	Horizontal
Test Power :	AC 120V/60 Hz		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.100	43.95	6.80	50.75	74.00	-23.25	peak	
2	*	4924.100	37.56	6.80	44.36	54.00	-9.64	AVG	

EUT :	TABLET PC	Model Name. :	DL46
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010hPa	Test Date :	2014-11-21
Test Mode :	B Mode 2462 TX Mode	Polarization :	Vertical
Test Power :	AC 120V/60 Hz		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.100	43.76	8.80	52.56	74.00	-21.44	peak	
2	*	4924.100	36.29	8.80	45.09	54.00	-8.91	AVG	



EUT :	TABLET PC	Model Name. :	DL46
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010hPa	Test Date :	2014-11-21
Test Mode :	G Mode 2412 TX Mode	Polarization :	Horizontal
Test Power :	AC 120V/60 Hz		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2458.500	96.61	1.06	97.67	74.00	23.67	peak	Fundamental Frequency
2	*	2458.500	85.57	1.06	86.63	54.00	32.63	AVG	Fundamental Frequency
3		2483.500	49.96	1.17	51.13	74.00	-22.87	peak	
4		2483.500	37.10	1.17	38.27	54.00	-15.73	AVG	

EUT :	TABLET PC	Model Name. :	DL46
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010hPa	Test Date :	2014-11-21
Test Mode :	G Mode 2412 TX Mode	Polarization :	Vertical
Test Power :	AC 120V/60 Hz		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2458.600	95.59	1.06	96.65	74.00	22.65	peak	Fundamental Frequency
2	*	2458.600	84.63	1.06	85.69	54.00	31.69	AVG	Fundamental Frequency
3		2483.500	48.85	1.17	50.02	74.00	-23.98	peak	
4		2483.500	37.07	1.17	38.24	54.00	-15.76	AVG	



EUT :	TABLET PC	Model Name. :	DL46
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010hPa	Test Date :	2014-11-21
Test Mode :	G Mode 2412 TX Mode	Polarization :	Horizontal
Test Power :	AC 120V/60 Hz		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.100	40.08	6.77	46.85	74.00	-27.15	peak	
2	*	4824.100	31.70	6.77	38.47	54.00	-15.53	AVG	

EUT :	TABLET PC	Model Name. :	DL46
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010hPa	Test Date :	2014-11-21
Test Mode :	G Mode 2412 TX Mode	Polarization :	Vertical
Test Power :	AC 120V/60 Hz		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.300	39.89	8.77	48.66	74.00	-25.34	peak	
2	*	4824.300	31.38	8.77	40.15	54.00	-13.85	AVG	



EUT :	TABLET PC	Model Name. :	DL46
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010hPa	Test Date :	2014-11-21
Test Mode :	G Mode 2437 TX Mode	Polarization :	Horizontal
Test Power :	AC 120V/60 Hz		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.100	40.30	6.78	47.08	74.00	-26.92	peak	
2	*	4874.100	32.01	6.78	38.79	54.00	-15.21	AVG	

EUT :	TABLET PC	Model Name. :	DL46
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010hPa	Test Date :	2014-11-21
Test Mode :	G Mode 2437 TX Mode	Polarization :	Vertical
Test Power :	AC 120V/60 Hz		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.100	39.78	8.78	48.56	74.00	-25.44	peak	
2	*	4874.100	31.49	8.78	40.27	54.00	-13.73	AVG	



EUT :	TABLET PC	Model Name. :	DL46
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010hPa	Test Date :	2014-11-21
Test Mode :	G Mode 2462 TX Mode	Polarization :	Horizontal
Test Power :	AC 120V/60 Hz		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	50.00	0.77	50.77	74.00	-23.23	peak	
2		2390.000	37.75	0.77	38.52	54.00	-15.48	AVG	
3	X	2408.800	96.87	0.85	97.72	74.00	23.72	peak	Fundamental Frequency
4	*	2408.800	85.88	0.85	86.73	54.00	32.73	AVG	Fundamental Frequency

EUT :	TABLET PC	Model Name. :	DL46
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010hPa	Test Date :	2014-11-21
Test Mode :	G Mode 2462 TX Mode	Polarization :	Vertical
Test Power :	AC 120V/60 Hz		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	49.48	0.77	50.25	74.00	-23.75	peak	
2		2390.000	37.74	0.77	38.51	54.00	-15.49	AVG	
3	X	2408.800	95.94	0.85	96.79	74.00	22.79	peak	Fundamental Frequency
4	*	2408.800	84.93	0.85	85.78	54.00	31.78	AVG	Fundamental Frequency



EUT :	TABLET PC	Model Name. :	DL46
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010hPa	Test Date :	2014-11-21
Test Mode :	G Mode 2462 TX Mode	Polarization :	Horizontal
Test Power :	AC 120V/60 Hz		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.110	40.52	6.80	47.32	74.00	-26.68	peak	
2	*	4924.110	32.21	6.80	39.01	54.00	-14.99	AVG	

EUT :	TABLET PC	Model Name. :	DL46
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010hPa	Test Date :	2014-11-21
Test Mode :	G Mode 2462 TX Mode	Polarization :	Vertical
Test Power :	AC 120V/60 Hz		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4924.110	40.03	8.80	48.83	74.00	-25.17	peak	
2	*	4924.110	31.74	8.80	40.54	54.00	-13.46	AVG	



EUT :	TABLET PC	Model Name. :	DL46
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010hPa	Test Date :	2014-11-21
Test Mode :	N20 Mode 2412 TX Mode	Polarization :	Horizontal
Test Power :	AC 120V/60 Hz		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	50.00	0.77	50.77	74.00	-23.23	peak	
2		2390.000	37.77	0.77	38.54	54.00	-15.46	AVG	
3	X	2408.800	97.24	0.85	98.09	74.00	24.09	peak	Fundamental Frequency
4	*	2408.800	85.56	0.85	86.41	54.00	32.41	AVG	Fundamental Frequency

EUT :	TABLET PC	Model Name. :	DL46
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010hPa	Test Date :	2014-11-21
Test Mode :	N20 Mode 2412 TX Mode	Polarization :	Vertical
Test Power :	AC 120V/60 Hz		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	49.88	0.77	50.65	74.00	-23.35	peak	
2		2390.000	37.77	0.77	38.54	54.00	-15.46	AVG	
3	X	2408.800	96.22	0.85	97.07	74.00	23.07	peak	Fundamental Frequency
4	*	2408.800	84.62	0.85	85.47	54.00	31.47	AVG	Fundamental Frequency



EUT :	TABLET PC	Model Name. :	DL46
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010hPa	Test Date :	2014-11-21
Test Mode :	N20 Mode 2412 TX Mode	Polarization :	Horizontal
Test Power :	AC 120V/60 Hz		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.200	39.48	6.77	46.25	74.00	-27.75	peak	
2	*	4824.200	31.67	6.77	38.44	54.00	-15.56	AVG	

EUT :	TABLET PC	Model Name. :	DL46
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010hPa	Test Date :	2014-11-21
Test Mode :	N20 Mode 2412 TX Mode	Polarization :	Vertical
Test Power :	AC 120V/60 Hz		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4824.200	39.09	8.77	47.86	74.00	-26.14	peak	
2	*	4824.200	30.50	8.77	39.27	54.00	-14.73	AVG	





EUT :	TABLET PC	Model Name. :	DL46
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010hPa	Test Date :	2014-11-21
Test Mode :	N20 Mode 2437 TX Mode	Polarization :	Horizontal
Test Power :	AC 120V/60 Hz		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.300	39.94	6.78	46.72	74.00	-27.28	peak	
2	*	4874.300	32.36	6.78	39.14	54.00	-14.86	AVG	

EUT :	TABLET PC	Model Name. :	DL46
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010hPa	Test Date :	2014-11-21
Test Mode :	N20 Mode 2437 TX Mode	Polarization :	Vertical
Test Power :	AC 120V/60 Hz		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.300	38.85	8.78	47.63	74.00	-26.37	peak	
2	*	4874.300	30.70	8.78	39.48	54.00	-14.52	AVG	



EUT :	TABLET PC	Model Name. :	DL46
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010hPa	Test Date :	2014-11-21
Test Mode :	N20 Mode 2462 TX Mode	Polarization :	Horizontal
Test Power :	AC 120V/60 Hz		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2459.000	97.69	1.06	98.75	74.00	24.75	peak	Fundamental Frequency
2	*	2459.000	85.90	1.06	86.96	54.00	32.96	AVG	Fundamental Frequency
3		2483.500	51.58	1.17	52.75	74.00	-21.25	peak	
4		2483.500	37.29	1.17	38.46	54.00	-15.54	AVG	

EUT :	TABLET PC	Model Name. :	DL46
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010hPa	Test Date :	2014-11-21
Test Mode :	N20 Mode 2462 TX Mode	Polarization :	Vertical
Test Power :	AC 120V/60 Hz		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2458.900	96.09	1.06	97.15	74.00	23.15	peak	Fundamental Frequency
2	*	2458.900	84.69	1.06	85.75	54.00	31.75	AVG	Fundamental Frequency
3		2483.500	50.61	1.17	51.78	74.00	-22.22	peak	
4		2483.500	37.20	1.17	38.37	54.00	-15.63	AVG	



EUT :	TABLET PC	Model Name. :	DL46
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010hPa	Test Date :	2014-11-21
Test Mode :	N20 Mode 2462 TX Mode	Polarization :	Horizontal
Test Power :	AC 120V/60 Hz		

No. Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4924.200	39.73	6.80	46.53	74.00	-27.47	peak	
2 *	4924.200	31.98	6.80	38.78	54.00	-15.22	AVG	

EUT :	TABLET PC	Model Name. :	DL46
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010hPa	Test Date :	2014-11-21
Test Mode :	N20 Mode 2462 TX Mode	Polarization :	Vertical
Test Power :	AC 120V/60 Hz		

No. Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4924.200	38.92	8.80	47.72	74.00	-26.28	peak	
2 *	4924.200	30.75	8.80	39.55	54.00	-14.45	AVG	



EUT :	TABLET PC	Model Name. :	DL46
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010hPa	Test Date :	2014-11-20
Test Mode :	N40 Mode 2422 TX Mode	Polarization :	Horizontal
Test Power :	AC 120V/60 Hz		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	51.23	0.77	52.00	74.00	-22.00	peak	
2		2390.000	37.97	0.77	38.74	54.00	-15.26	AVG	
3	X	2418.700	93.89	0.89	94.78	74.00	20.78	peak	Fundamental Frequency
4	*	2418.700	82.66	0.89	83.55	54.00	29.55	AVG	Fundamental Frequency

EUT :	TABLET PC	Model Name. :	DL46
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010hPa	Test Date :	2014-11-20
Test Mode :	N40 Mode 2422 TX Mode	Polarization :	Vertical
Test Power :	AC 120V/60 Hz		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	50.09	0.77	50.86	74.00	-23.14	peak	
2		2390.000	37.85	0.77	38.62	54.00	-15.38	AVG	
3	X	2418.700	92.74	0.89	93.63	74.00	19.63	peak	Fundamental Frequency
4	*	2418.700	81.61	0.89	82.50	54.00	28.50	AVG	Fundamental Frequency



EUT :	TABLET PC	Model Name. :	DL46
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010hPa	Test Date :	2014-11-20
Test Mode :	N40 Mode 2422 TX Mode	Polarization :	Horizontal
Test Power :	AC 120V/60 Hz		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4844.600	39.65	6.77	46.42	74.00	-27.58	peak	
2	*	4844.600	31.37	6.77	38.14	54.00	-15.86	AVG	

EUT :	TABLET PC	Model Name. :	DL46
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010hPa	Test Date :	2014-11-20
Test Mode :	N40 Mode 2422 TX Mode	Polarization :	Vertical
Test Power :	AC 120V/60 Hz		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4844.600	38.09	8.78	46.87	74.00	-27.13	peak	
2	*	4844.600	29.36	8.78	38.14	54.00	-15.86	AVG	



EUT :	TABLET PC	Model Name. :	DL46
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010hPa	Test Date :	2014-11-21
Test Mode :	N40 Mode 2437 TX Mode	Polarization :	Horizontal
Test Power :	AC 120V/60 Hz		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.400	39.47	6.78	46.25	74.00	-27.75	peak	
2	*	4874.400	31.36	6.78	38.14	54.00	-15.86	AVG	

EUT :	TABLET PC	Model Name. :	DL46
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010hPa	Test Date :	2014-11-21
Test Mode :	N40 Mode 2437 TX Mode	Polarization :	Vertical
Test Power :	AC 120V/60 Hz		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.500	38.00	8.78	46.78	74.00	-27.22	peak	
2	*	4874.500	29.66	8.78	38.44	54.00	-15.56	AVG	



EUT :	TABLET PC	Model Name. :	DL46
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010hPa	Test Date :	2014-11-10
Test Mode :	N40 Mode 2452 TX Mode	Polarization :	Horizontal
Test Power :	AC 120V/60 Hz		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2448.550	93.15	1.02	94.17	74.00	20.17	peak	Fundamental Frequency
2	*	2448.550	82.06	1.02	83.08	54.00	29.08	AVG	Fundamental Frequency
3		2483.500	49.65	1.17	50.82	74.00	-23.18	peak	
4		2483.500	37.08	1.17	38.25	54.00	-15.75	AVG	

EUT :	TABLET PC	Model Name. :	DL46
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010hPa	Test Date :	2014-11-20
Test Mode :	N40 Mode 2452 TX Mode	Polarization :	Vertical
Test Power :	AC 120V/60 Hz		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2448.700	92.13	1.02	93.15	74.00	19.15	peak	Fundamental Frequency
2	*	2448.700	81.03	1.02	82.05	54.00	28.05	AVG	Fundamental Frequency
3		2483.500	49.29	1.17	50.46	74.00	-23.54	peak	
4		2483.500	37.05	1.17	38.22	54.00	-15.78	AVG	



EUT :	TABLET PC	Model Name. :	DL46
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010hPa	Test Date :	2014-11-21
Test Mode :	N40 Mode 2452 TX Mode	Polarization :	Horizontal
Test Power :	AC 120V/60 Hz		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.400	39.73	6.78	46.51	74.00	-27.49	peak	
2	*	4874.400	31.10	6.78	37.88	54.00	-16.12	AVG	

EUT :	TABLET PC	Model Name. :	DL46
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010hPa	Test Date :	2014-11-21
Test Mode :	N40 Mode 2452 TX Mode	Polarization :	Vertical
Test Power :	AC 120V/60 Hz		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4874.400	38.27	8.78	47.05	74.00	-26.95	peak	
2	*	4874.400	29.43	8.78	38.21	54.00	-15.79	AVG	





## 5. MAXIMUM CONDUCTED OUTPUT POWER MEASUREMENT

### 5.1 LIMITS

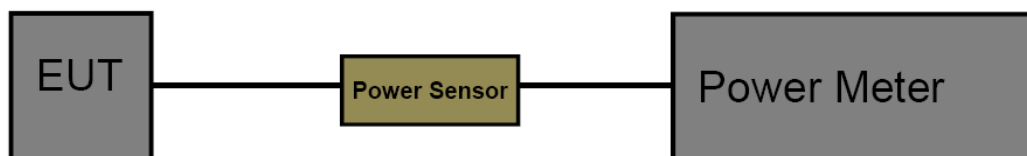
FCC Part 15.247, subpart C	
Frequency Range (MHz)	2400~2483.5
Limits	30

### 5.2 TEST PROCEDURE

The measurement is according to section 9.1.2 of KDB 558074 D01 DTS Meas Guidance v03r02.

The EUT was directly connected to the power meter and antenna output port as show in the block diagram as bellow.

### 5.3 TEST SETUP



### 5.4 TEST INSTRUMENTS

Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
Power Meter	Anritsu	ML2495A	0917201	Jul. 06, 2014	Jul. 05. 2015	1 year
Power Sensor	Anritsu	MA2411B	1035004	Jul. 06, 2014	Jul. 05. 2015	1 year

### 5.5 EUT OPERATING CONDITIONS

The EUT was set to continuously transmitting in the maximum power during the test.

### 5.6 TEST RESULTS



2.4 G Band Conducted Power					
802.11b Power					
Channel	Frequency	Conducted Power (dBm)			Max. Limit (dBm)
		ANT 0	ANT 1	Total	
1	2412 MHz	9.36			30
6	2437 MHz	9.45			
11	2462 MHz	9.51			
802.11g Power					
Channel	Frequency	Conducted Power (dBm)			Max. Limit (dBm)
		ANT 0	ANT 1	Total	
1	2412 MHz	9.47			30
6	2437 MHz	9.59			
11	2462 MHz	9.52			
802.11n(HT20) Power					
Channel	Frequency	Conducted Power (dBm)			Max. Limit (dBm)
		ANT 0	ANT 1	Total	
1	2412 MHz	9.25			30
6	2437 MHz	9.62			
11	2462 MHz	9.47			
802.11n(HT40) Power					
Channel	Frequency	Conducted Power (dBm)			Max. Limit (dBm)
		ANT 0	ANT 1	Total	
1	2412 MHz	9.52			30
6	2437 MHz	9.61			
11	2462 MHz	9.47			



## 6. OCCUPIED BANDWIDTH MEASUREMENT

### 6.1 LIMITS

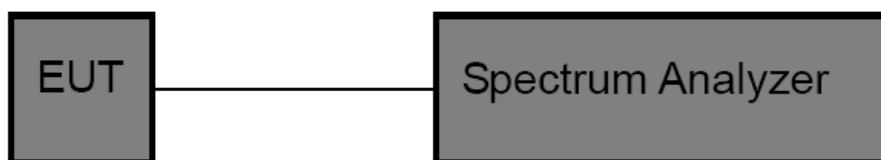
FCC Part 15.247, subpart C	
Frequency Range (MHz)	2400~2483.5
Limits	6 dB Bandwidth>500 KHz

### 6.2 TEST PROCEDURE

The EUT was directly connected to the power meter and antenna output port as show in the block diagram as bellow.

Spectrum Parameters	Setting
Attenuation	Auto
Span	>6 dB Bandwidth
RBW	100 kHz
VBW	$\geq 3\text{RBW}$
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

### 6.3 TEST SETUP



### 6.4 TEST INSTRUMENTS

Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
Spectrum Analyzer	Agilent	E4407B	MY57802541	Jul. 06, 2014	Jul. 05. 2015	1 year

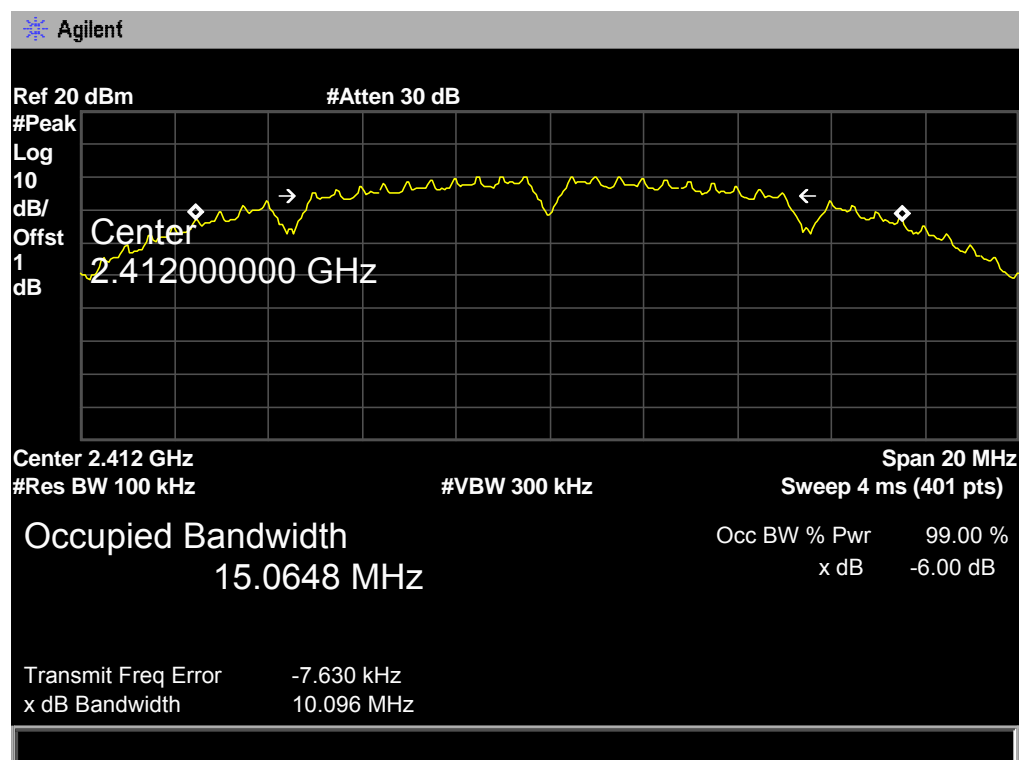
### 6.5 EUT OPERATING CONDITIONS

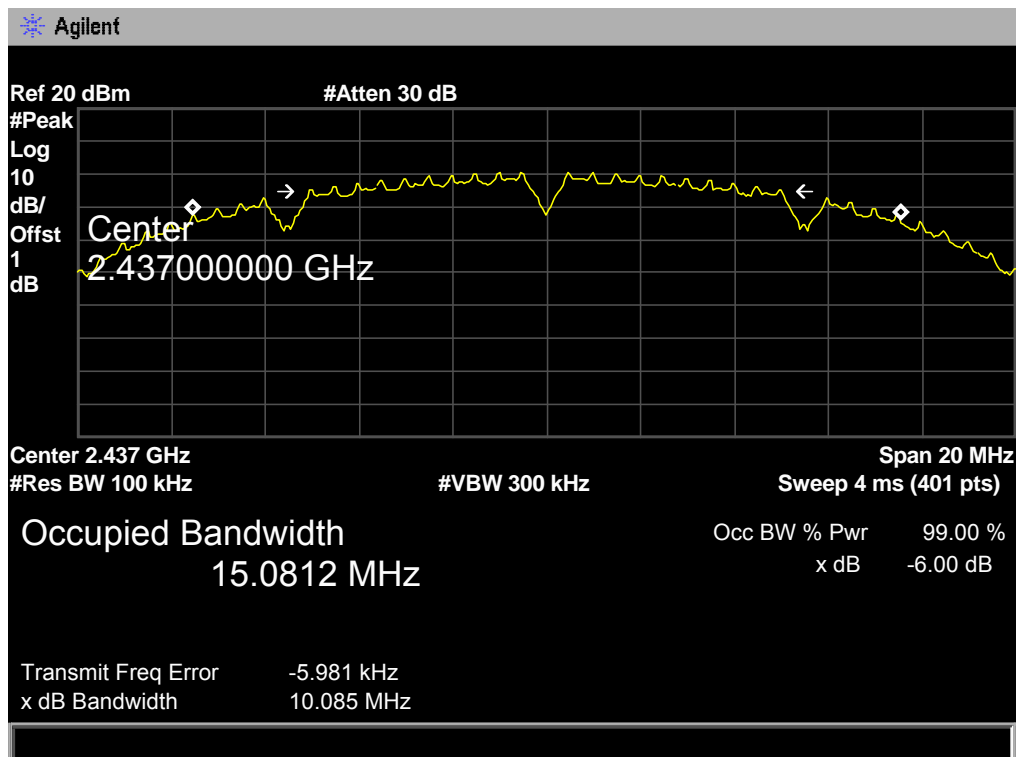
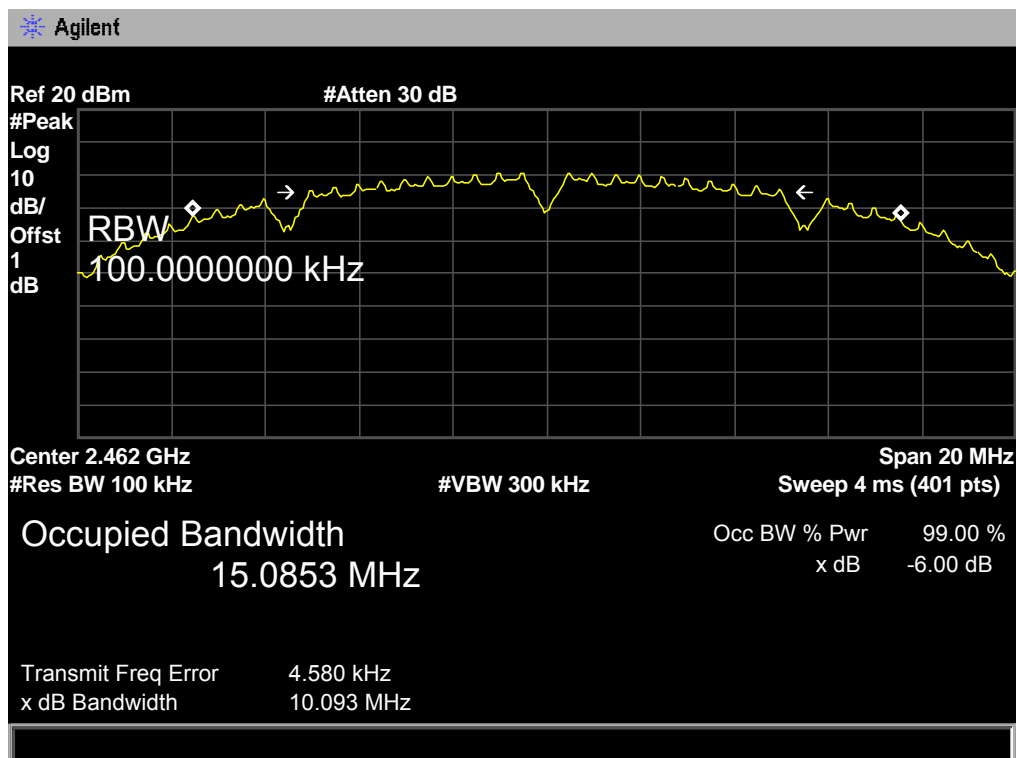
The EUT was set to continuously transmitting in the maximum power during the test.

### 6.6 TEST RESULTS



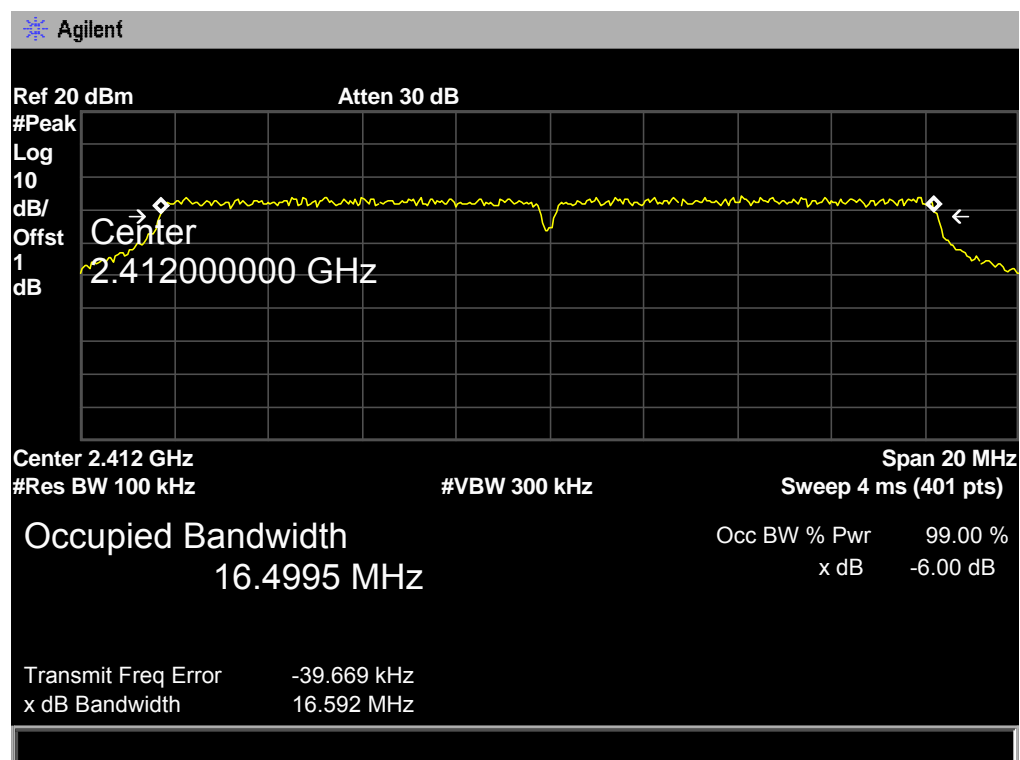
801.11b Mode			
Frequency (MHz)	6dB Bandwidth (MHz)	99% OBW (MHz)	Limit
2412	10.096	15.0648	>=500 kHz
2437	10.085	15.0812	
2462	10.093	15.0853	
Note: The worst mode is the TX AN0, only showed the worst mode plots.			

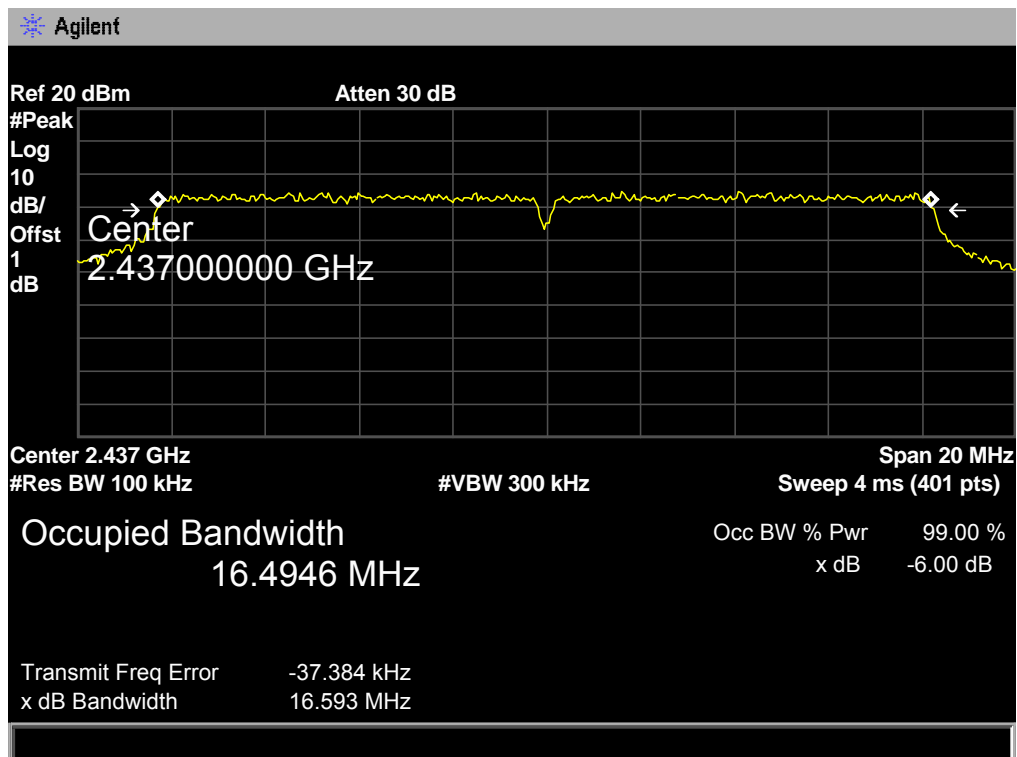
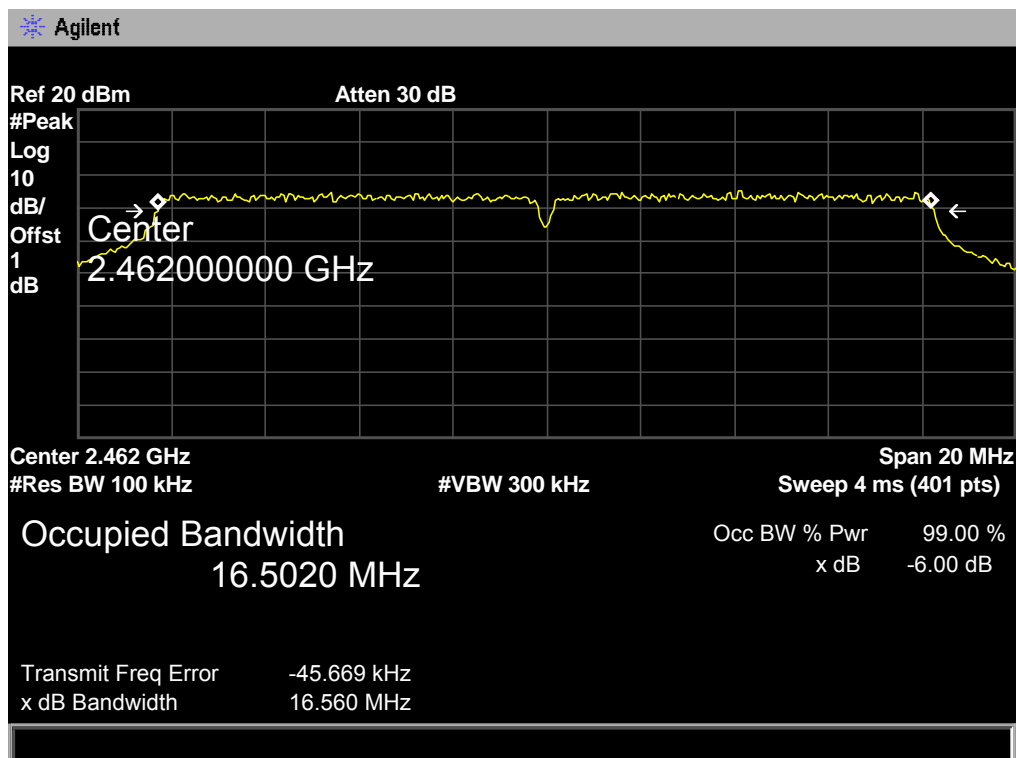
**B Mode 2412 MHz**

**B Mode 2437 MHz****B Mode 2462 MHz**



801.11g Mode			
Frequency (MHz)	6dB Bandwidth (MHz)	99% OBW (MHz)	Limit
2412	16.592	16.4995	>=500 kHz
2437	16.593	16.4946	
2462	16.560	16.5020	
Note: The worst mode is the TX AN0, only showed the worst mode plots.			

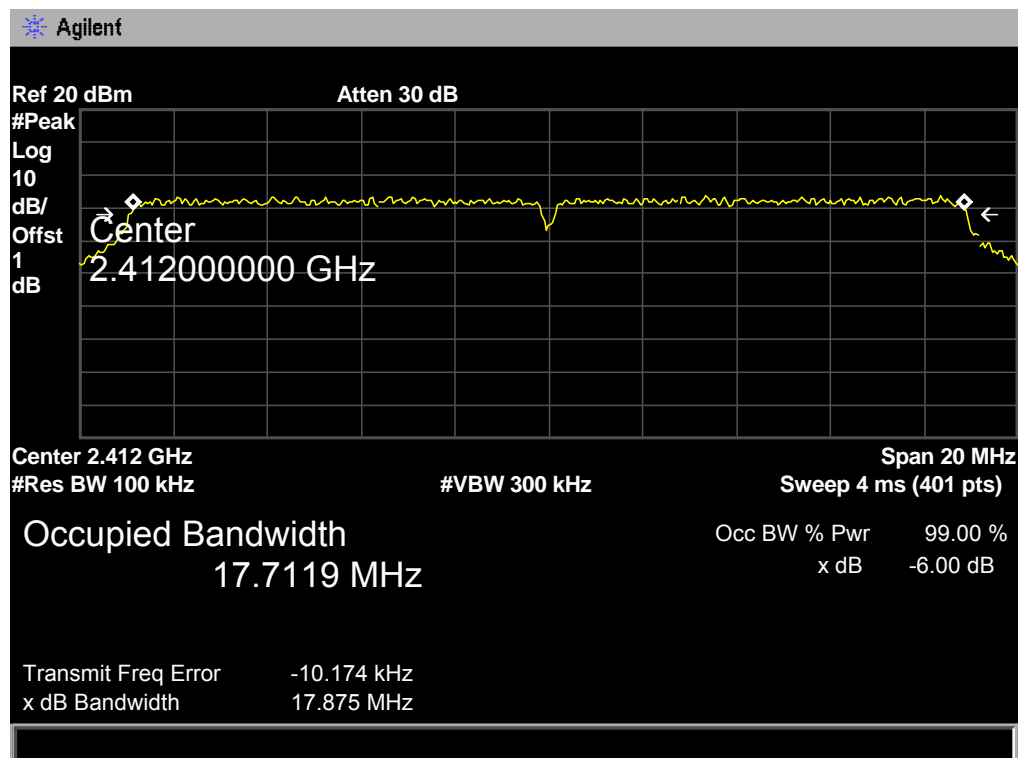
**G Mode 2412 MHz**

**G Mode 2437 MHz****G Mode 2462 MHz**

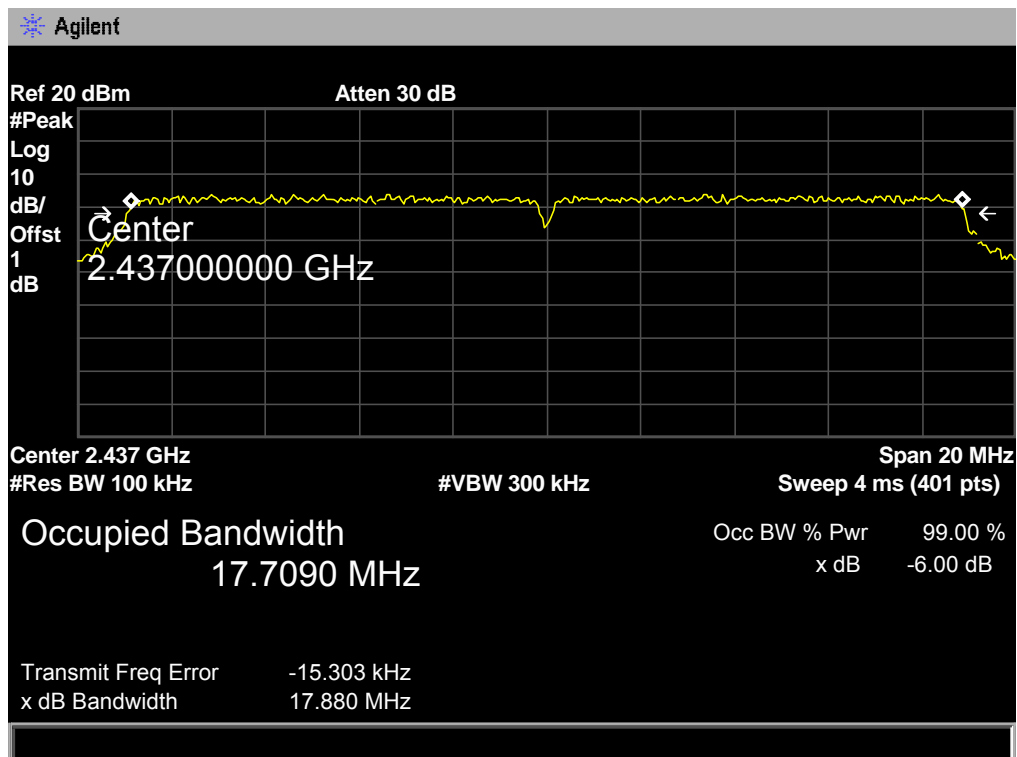
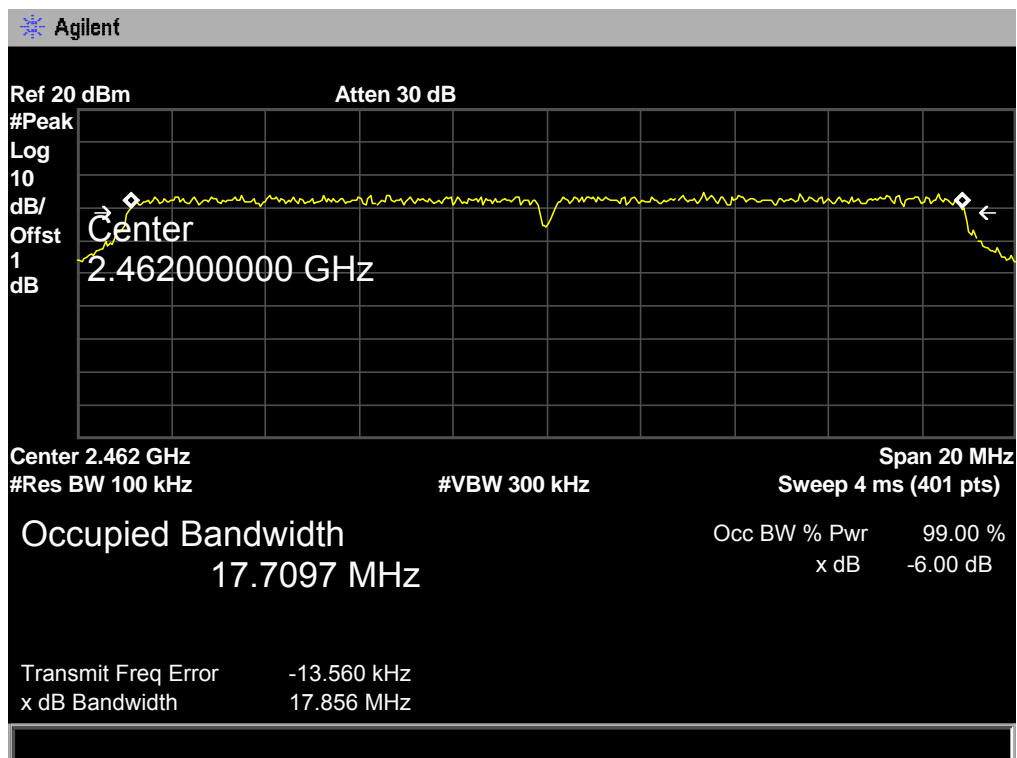


801.11n(HT20) Mode			
Frequency (MHz)	6dB Bandwidth (MHz)	99% OBW (MHz)	Limit
2412	17.875	17.7119	>=500 kHz
2437	17.880	17.7090	
2462	17.856	17.7097	
Note: The worst mode is the TX AN0, only showed the worst mode plots.			

## N Mode 2412 MHz



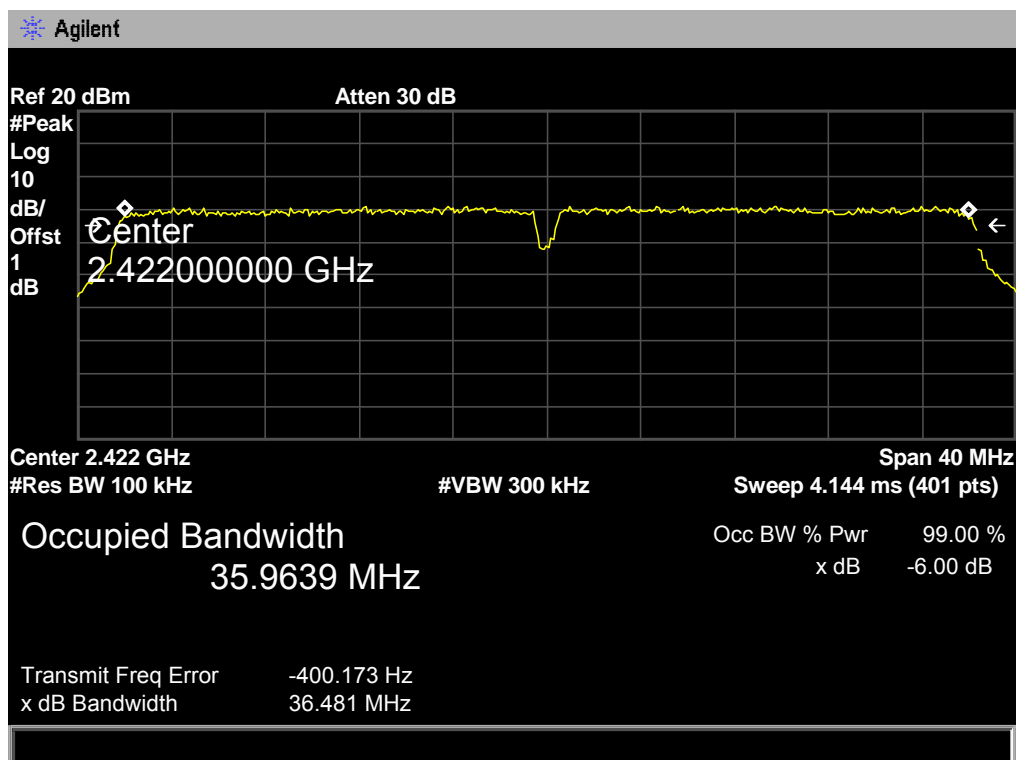


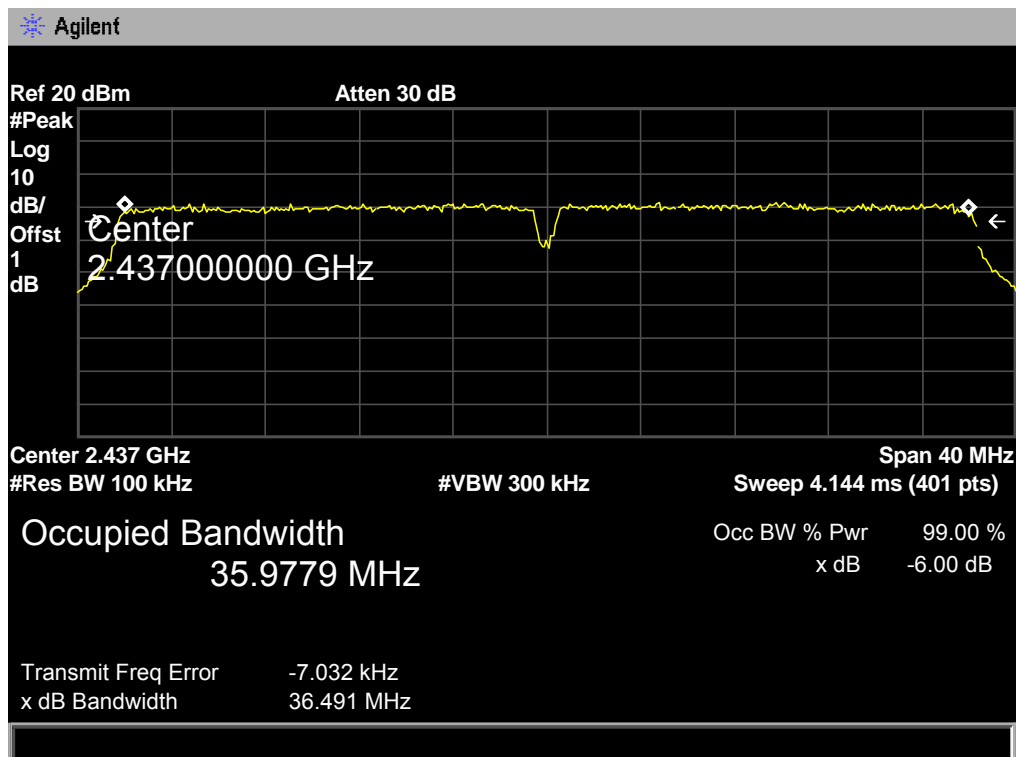
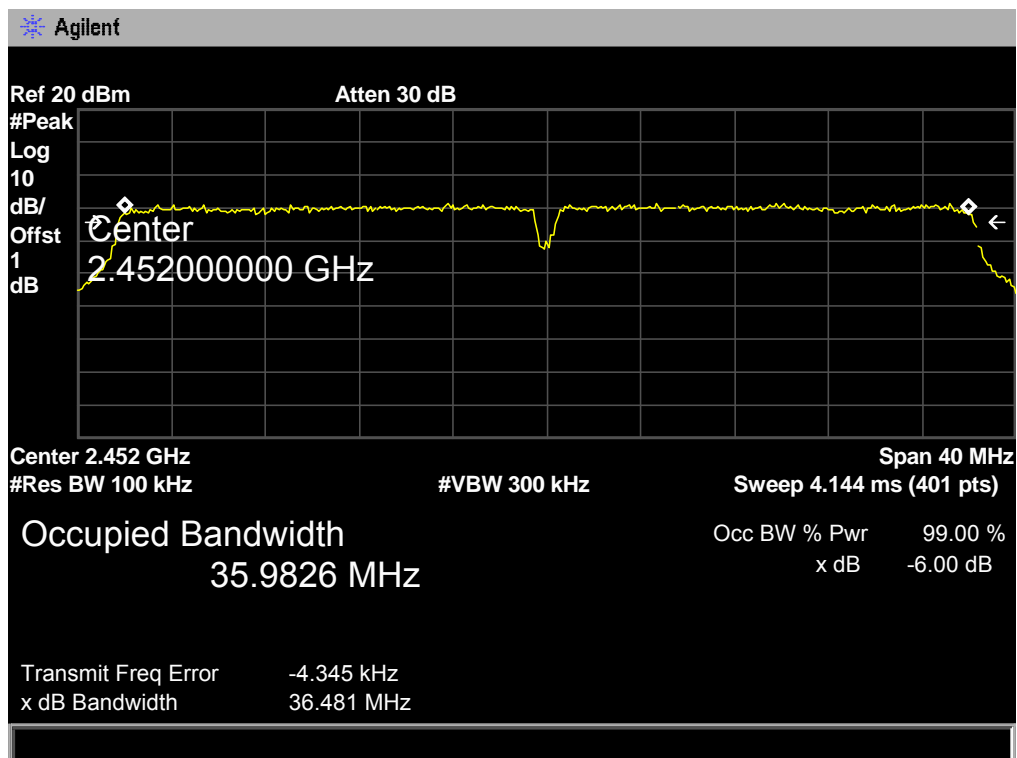
**N Mode 2437 MHz****N Mode 2462 MHz**



801.11n(HT40) Mode			
Frequency (MHz)	6dB Bandwidth (MHz)	99% OBW (MHz)	Limit
2422	36.481	35.9639	>=500 kHz
2437	36.491	35.9779	
2452	36.481	36.9826	
Note: The worst mode is the TX AN0, only showed the worst mode plots.			

## N Mode 2422 MHz



**N Mode 2437 MHz****N Mode 2452 MHz**



## 7. POWER SPECTRAL DENSITY

### 7.1 LIMITS

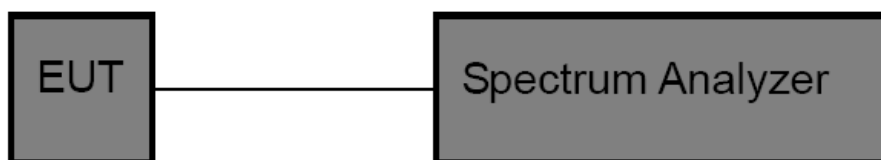
FCC Part 15.247, Subpart C	
Frequency Range (MHz)	2400~2483.5
99% Occupied Bandwidth	8 dBm in any 3 kHz

### 7.2 TEST PROCEDURE

The EUT was directly connected to the power meter and antenna output port as show in the block diagram as bellow.

Spectrum Parameters	Setting
Attenuation	Auto
Span	Set the span to 1.5 times the DTS channel bandwidth
RBW	3 kHz
VBW	$\geq 3\text{RBW}$
Detector	Reak
Trace	Max Hold
Sweep Time	Auto

### 7.3 TEST SETUP



### 7.4 TEST INSTRUMENTS

Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
Spectrum Analyzer	Agilent	E4407B	MY57802541	Jul. 06, 2014	Jul. 05. 2015	1 year

### 7.5 EUT OPERATING CONDITIONS

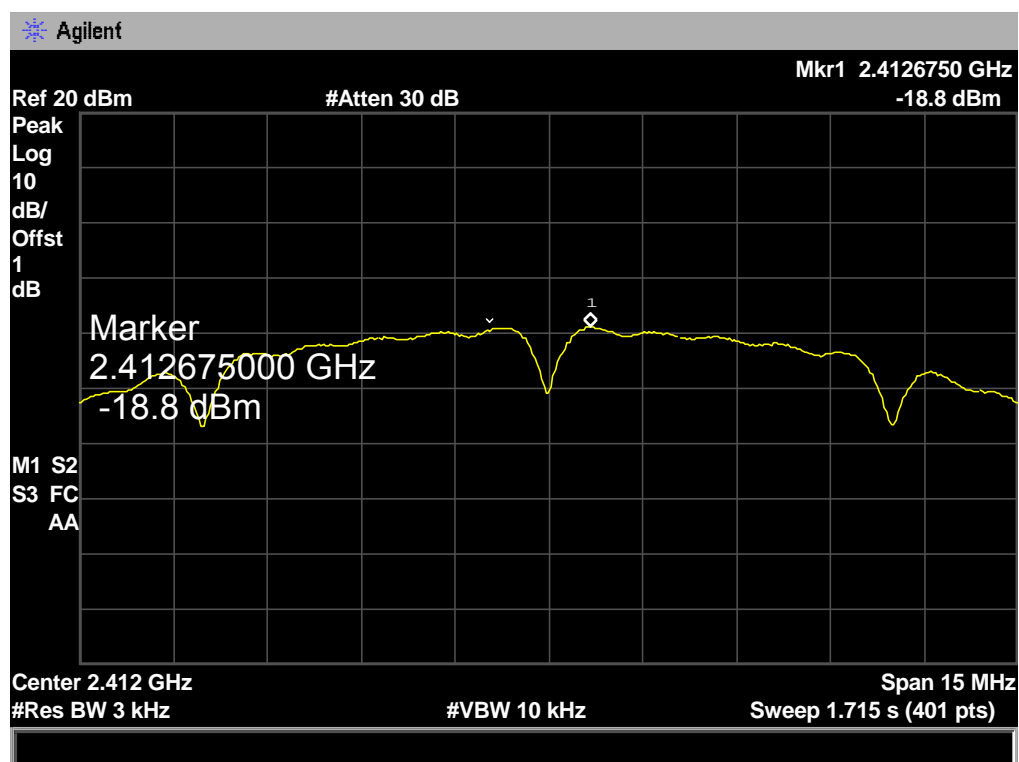
The EUT was set to continuously transmitting in the maximum power during the test.

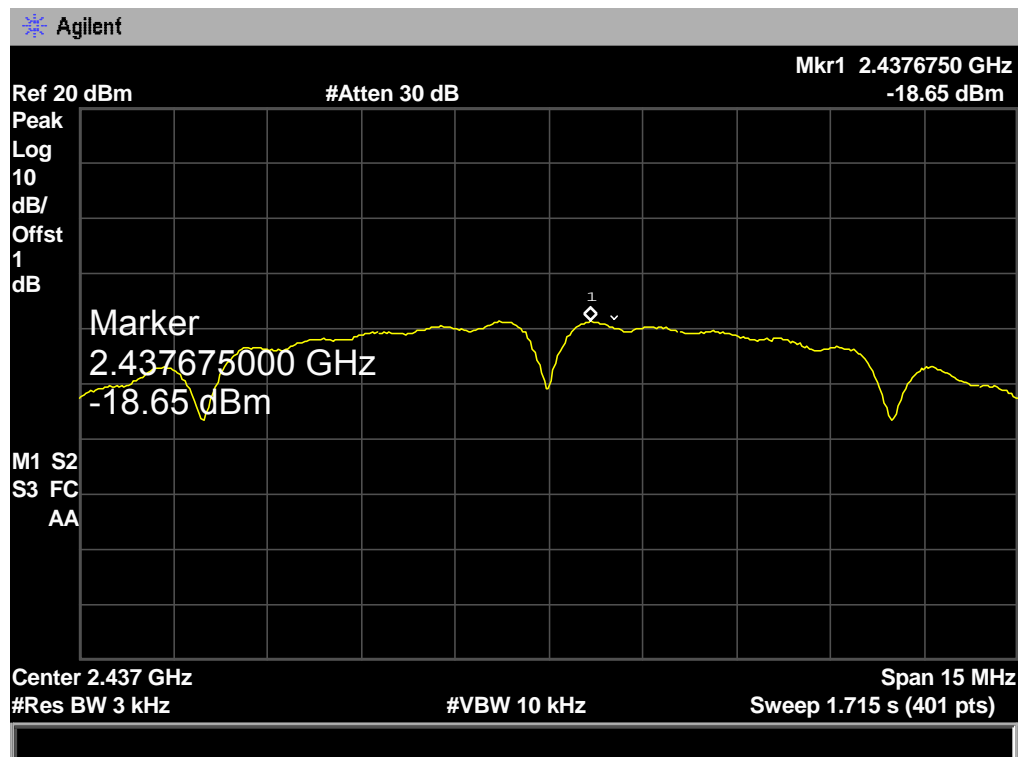
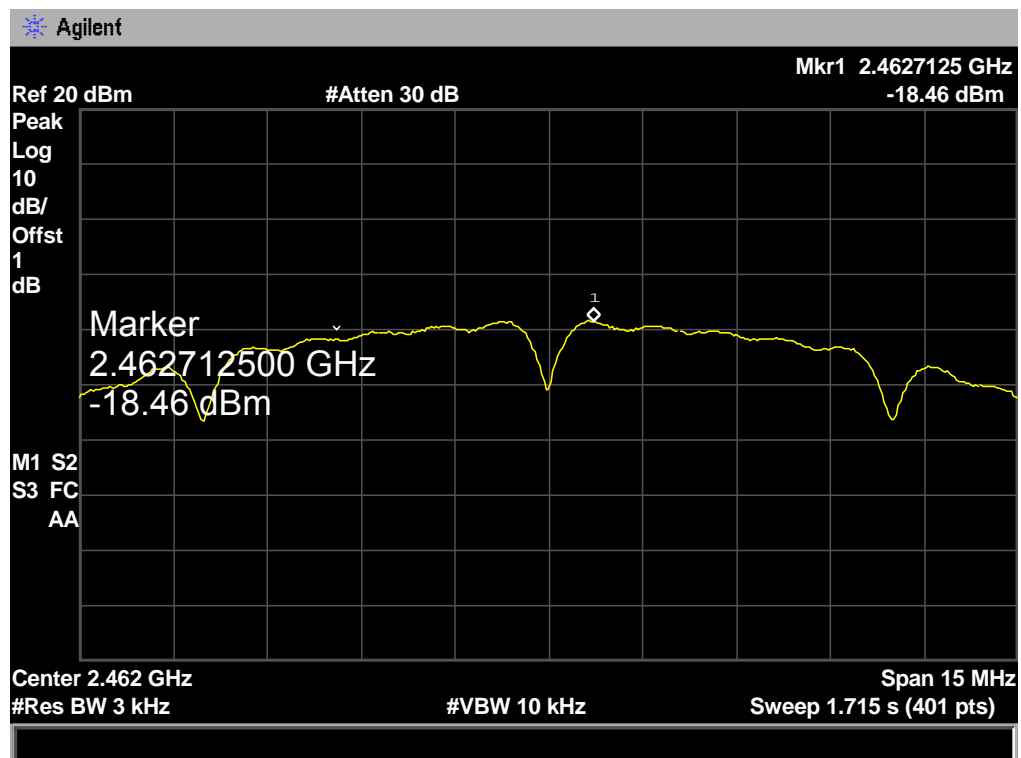
### 7.6 TEST RESULTS



801.11b Mode					
Frequency (MHz)	Power Density (3 kHz/dBm)			Limit (dBm/3KHz)	Result
	ANT 0	ANT 1	Total		
2412	-18.80			8	Pass
2437	-18.65				
2462	-18.46				
Note: The worst mode is ANT 0, only showed the worst data of ANT 0.					

## B Mode 2412 MHz

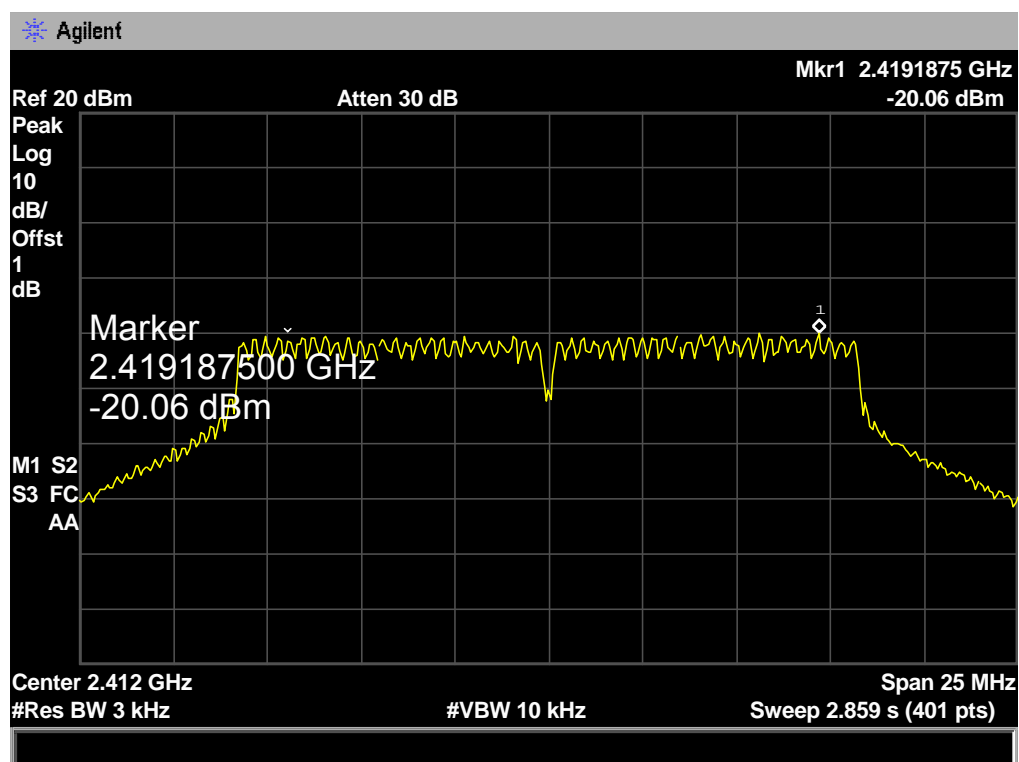


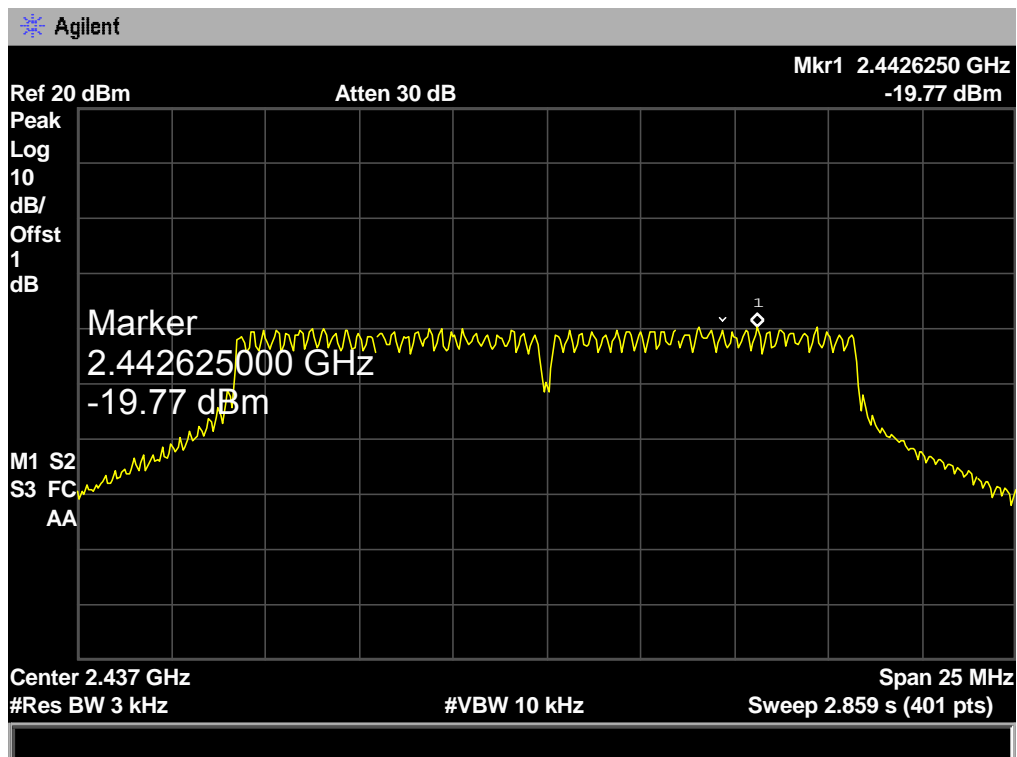
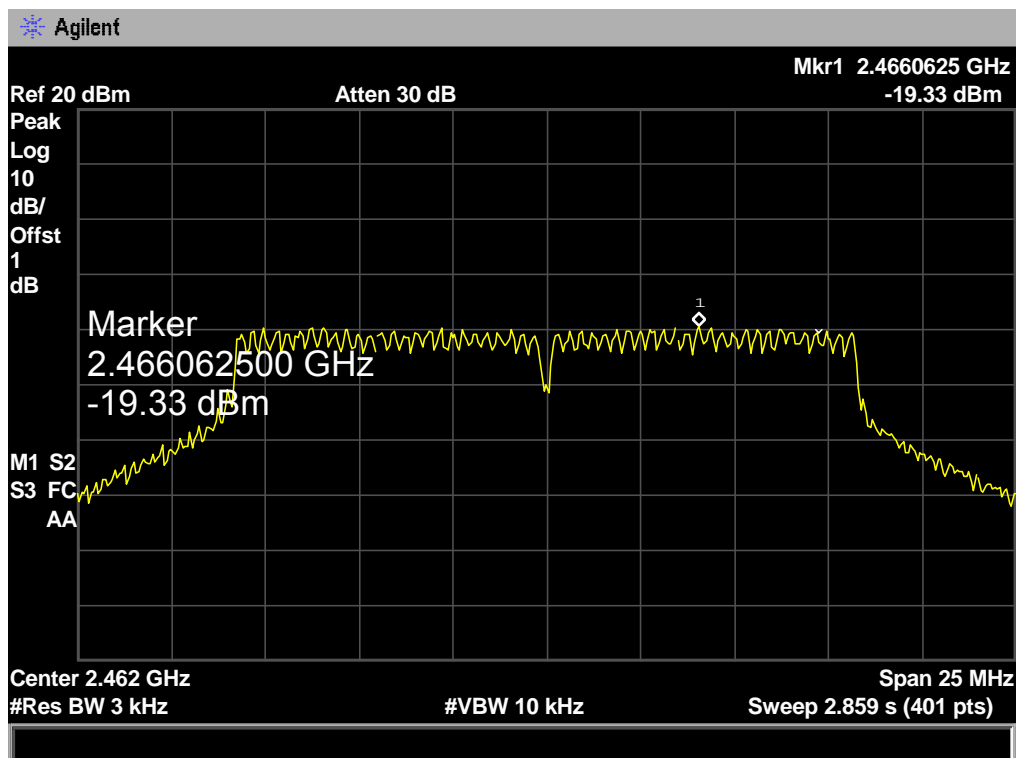
**B Mode 2437 MHz****B Mode 2462 MHz**



801.11g Mode					
Frequency (MHz)	Power Density (3 kHz/dBm)			Limit (dBm/3KHz)	Result
	ANT 0	ANT 1	Total		
2412	-20.06			8	Pass
2437	-19.77				
2462	-19.33				
Note: The worst mode is ANT 0, only showed the worst data of ANT 0.					

## G Mode 2412 MHz-ANT 0



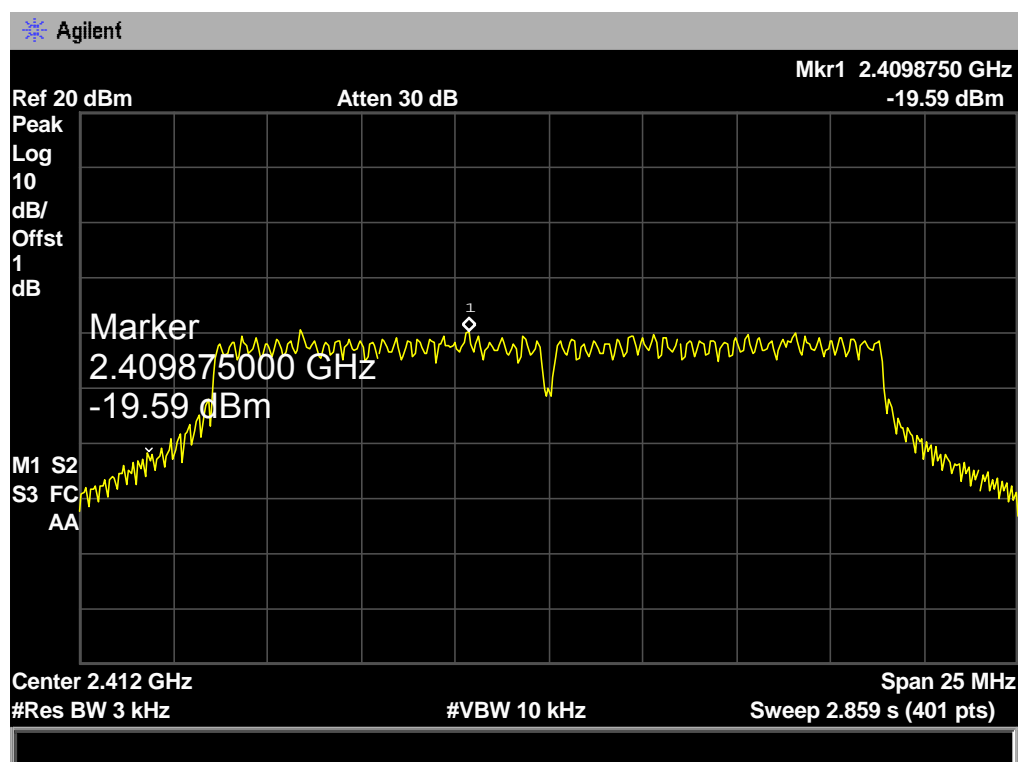
**G Mode 2437 MHz-ANT 0****G Mode 2462 MHz-ANT 0**





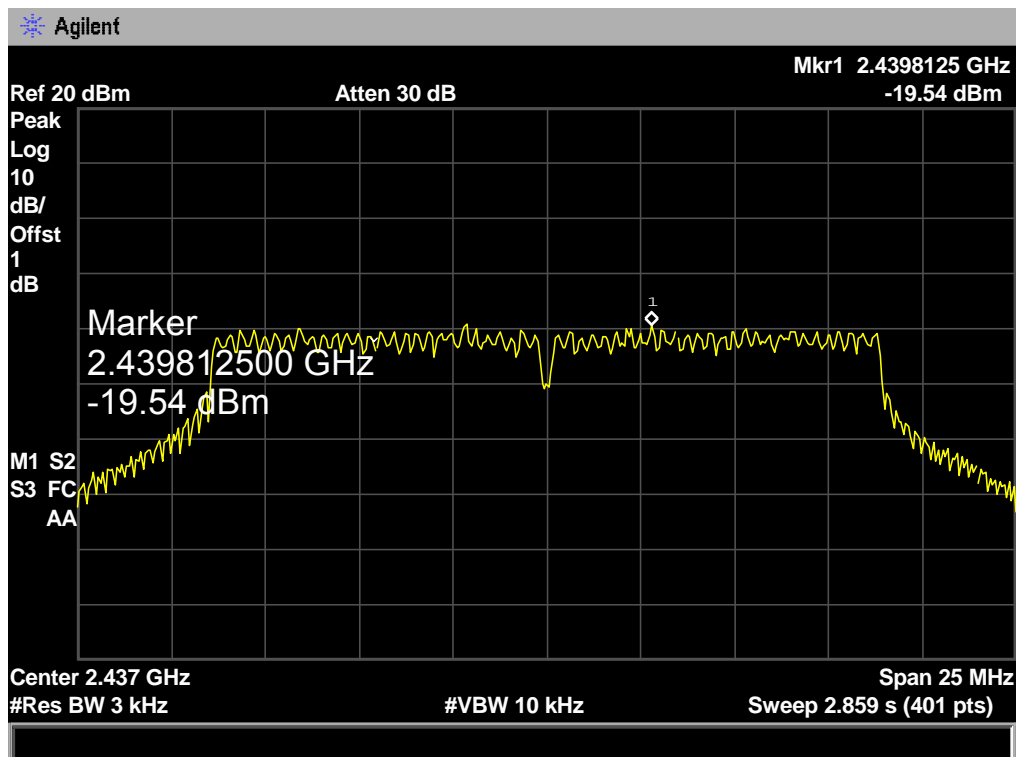
801.11n(HT20) Mode					
Frequency (MHz)	Power Density (3 kHz/dBm)			Limit (dBm/3KHz)	Result
	ANT 0	ANT 1	Total		
2412	-19.59			8	Pass
2437	-19.54				
2462	-18.97				

## N (HT20) Mode 2412 MHz-ANT 0

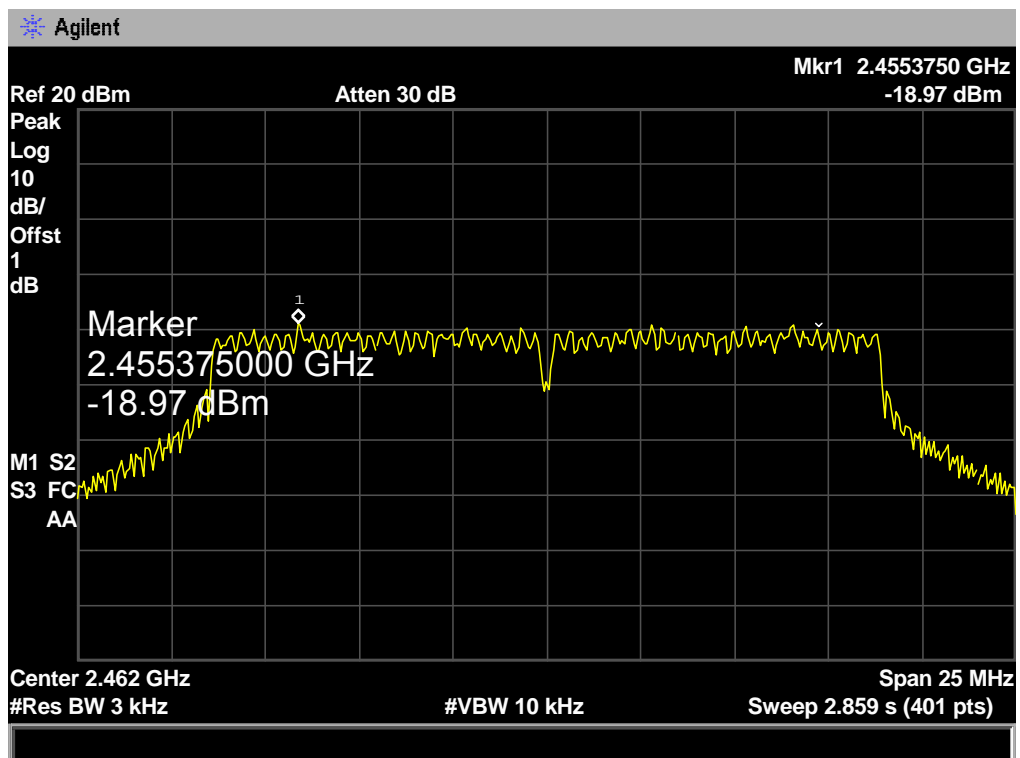




## N (HT20) 2437 MHz-ANT 0



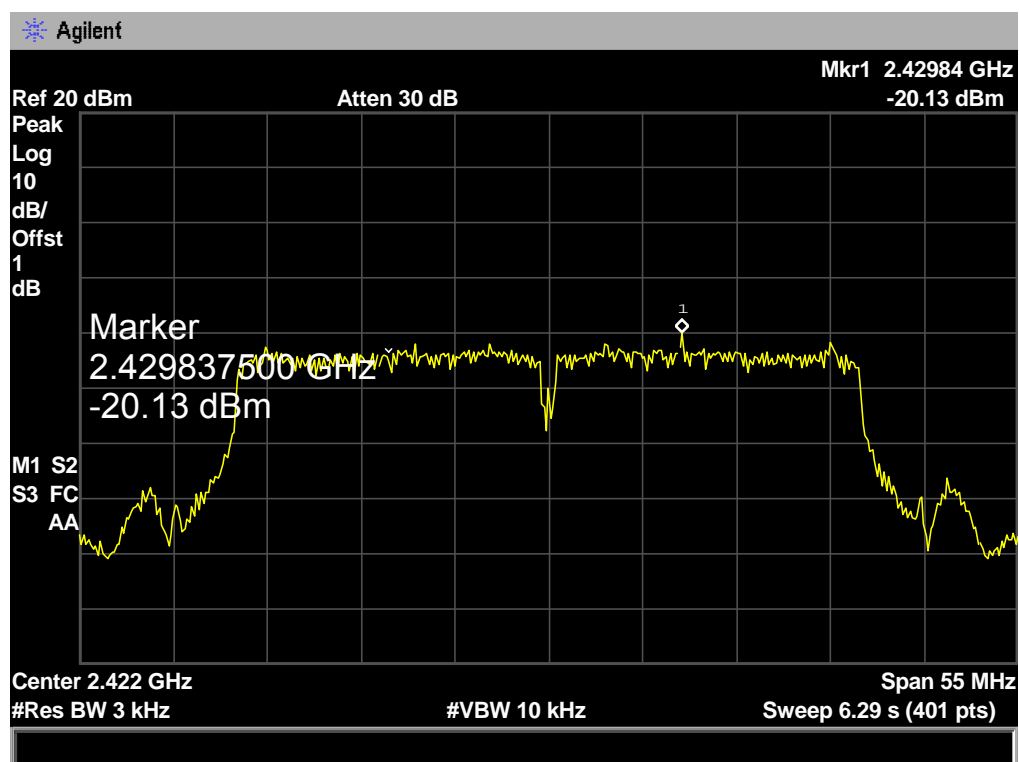
## N (HT20) 2462 MHz-ANT 0





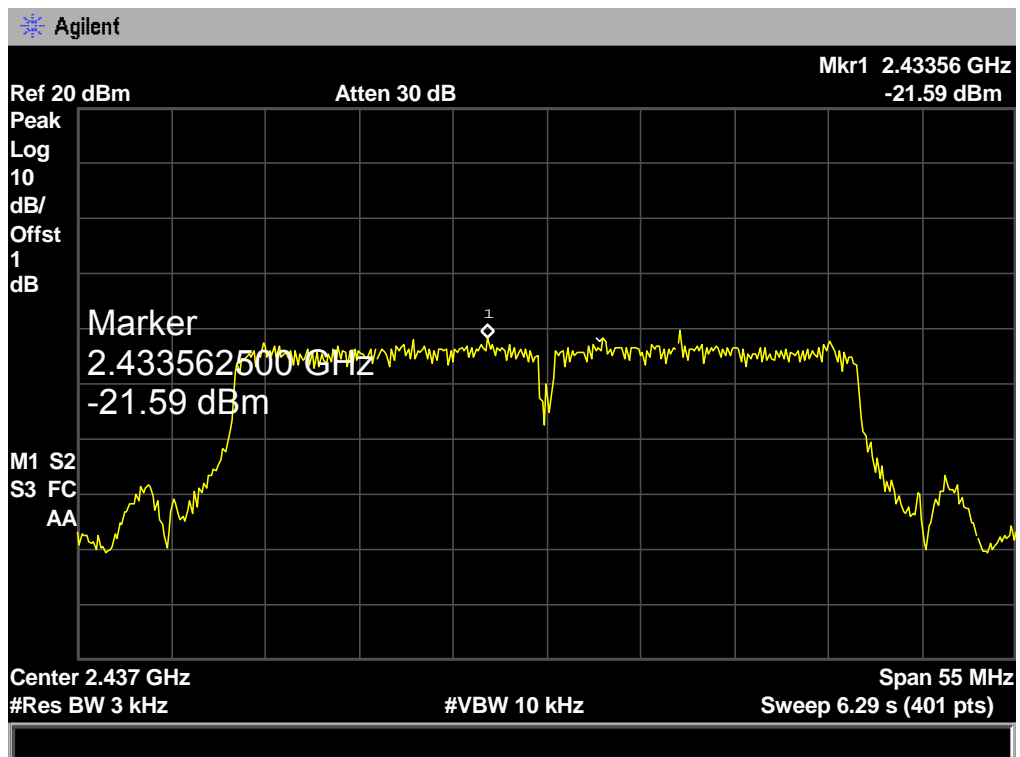
801.11n(HT40) Mode					
Frequency (MHz)	Power Density (3 kHz/dBm)			Limit (dBm/3KHz)	Result
	ANT 0	ANT 1	Total		
2422	-20.13			8	Pass
2437	-21.59				
2452	-19.81				

## N (HT40) Mode 2422 MHz-ANT 0

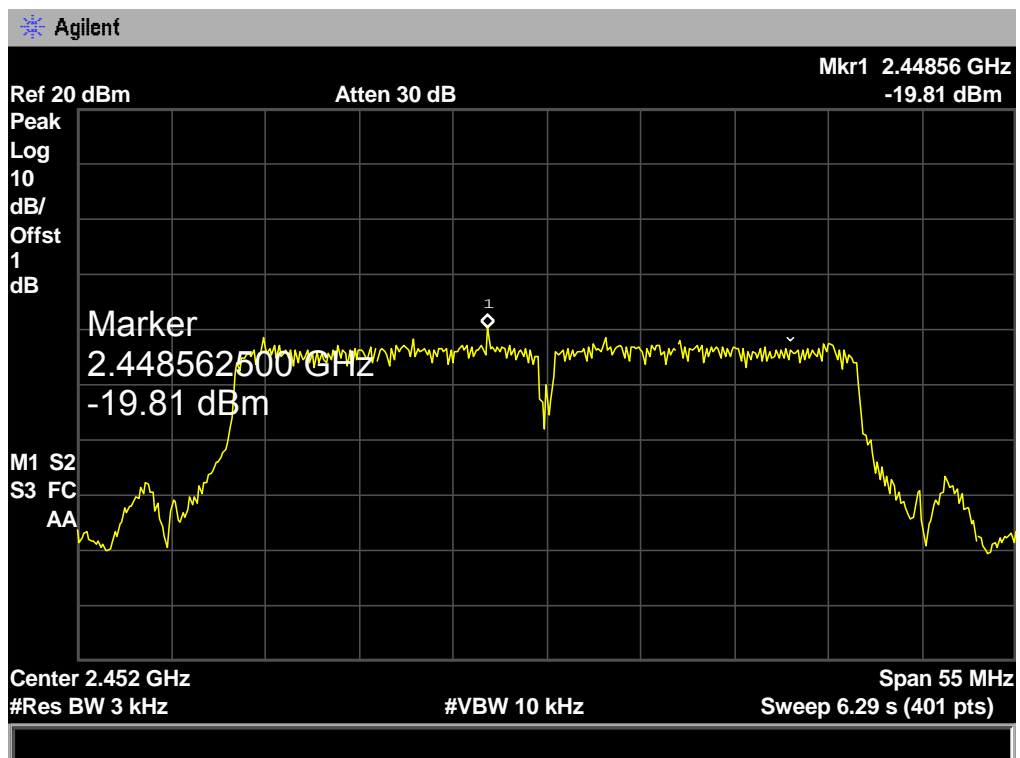




## N (HT40) 2437 MHz-ANT 0



## N (HT40) 2452 MHz-ANT 0





## 8. ANTENNA CONDUCTED SPURIOUS EMISSION

### 8.1 LIMITS

FCC Part 15.247, Subpart C	
Frequency Range (MHz)	2400~2483.5
Limit	In any 100 kHz bandwidth outside the intentional radiation frequency band, the radio frequency power shall be at least 20 dB below the highest level of the desired power, based on either an RF conducted measurement, provide the transmitter demonstrates compliance with the peak conducted power limits.

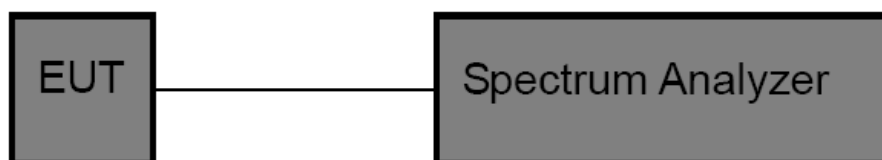
### 8.2 TEST PROCEDURE

The EUT was directly connected to the power meter and antenna output port as show in the block diagram as bellow.

- Set frequency range to capture low band-edge from 2310 MHz up to 2390 MHz, and for up band-edge from 2483.5 MHz up to 2500 MHz
- For low band-edge set the equipment transmit at the lowest channel, and for up band-edge set the equipment transmit at the highest channel
- Set the VBW  $\geq 3$  RBW (100kHz/ 300kHz) for conducted measurement
- For radiated measurements the RBW set to 1 MHz, and the VBW set to 1 MHz for peak measurements and 10 Hz for average measurement

### 8.3 TEST SETUP

Conducted Emission Test Setup



### 8.4 TEST INSTRUMENTS

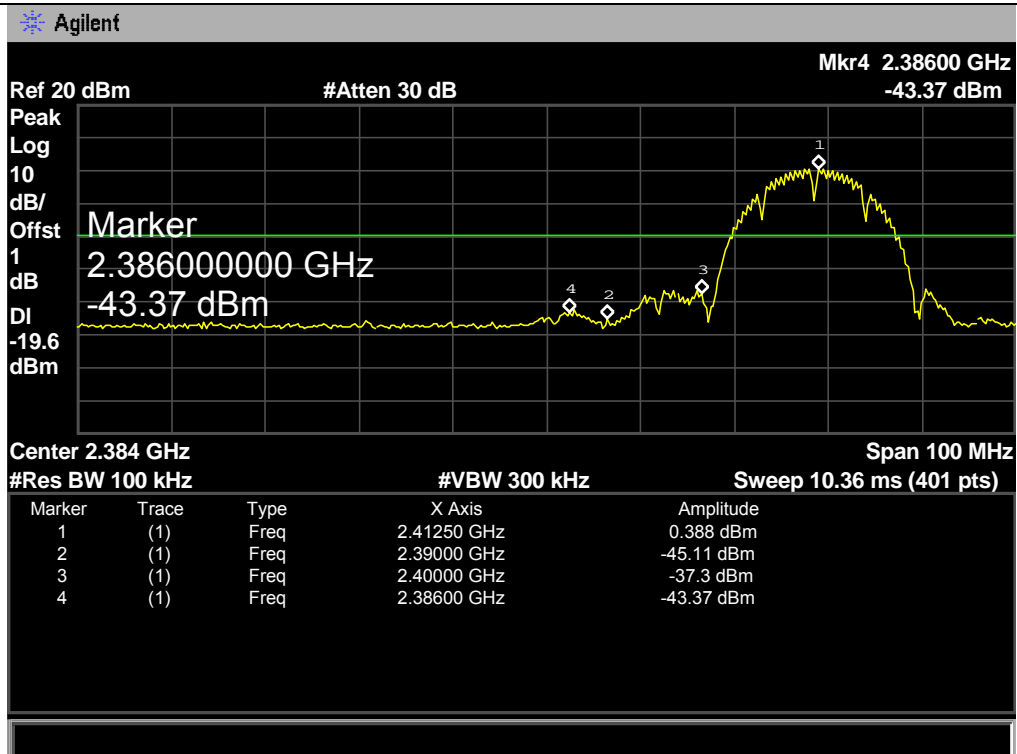
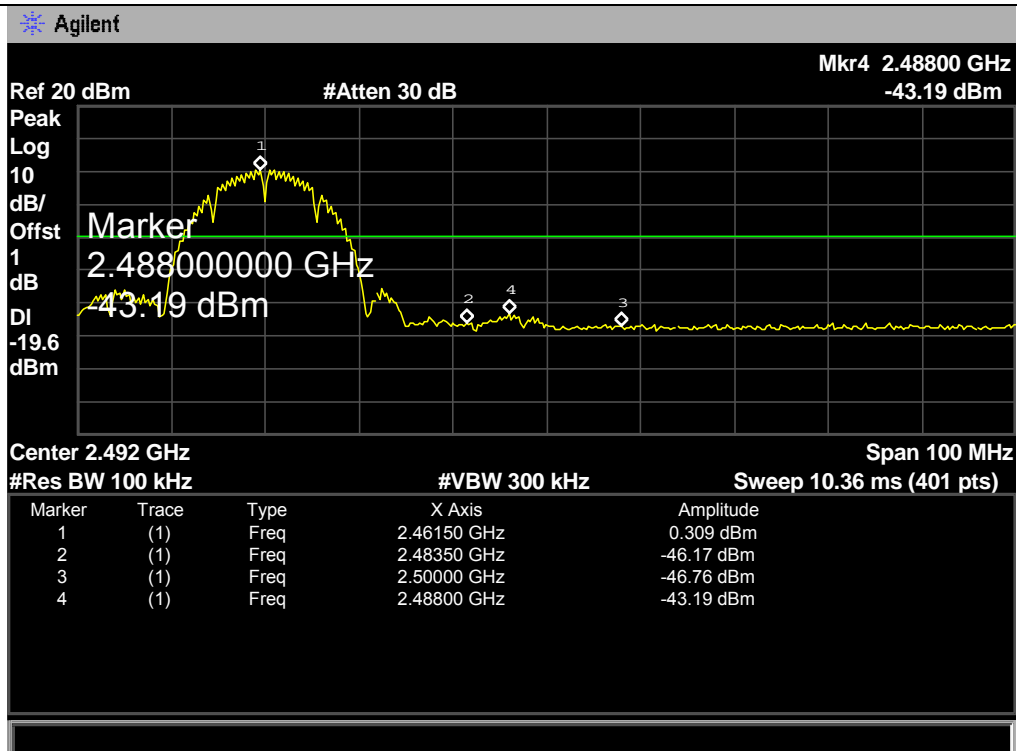
Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
Spectrum Analyzer	Agilent	E4407B	MY57802541	Jul. 06, 2014	Jul. 05. 2015	1 year

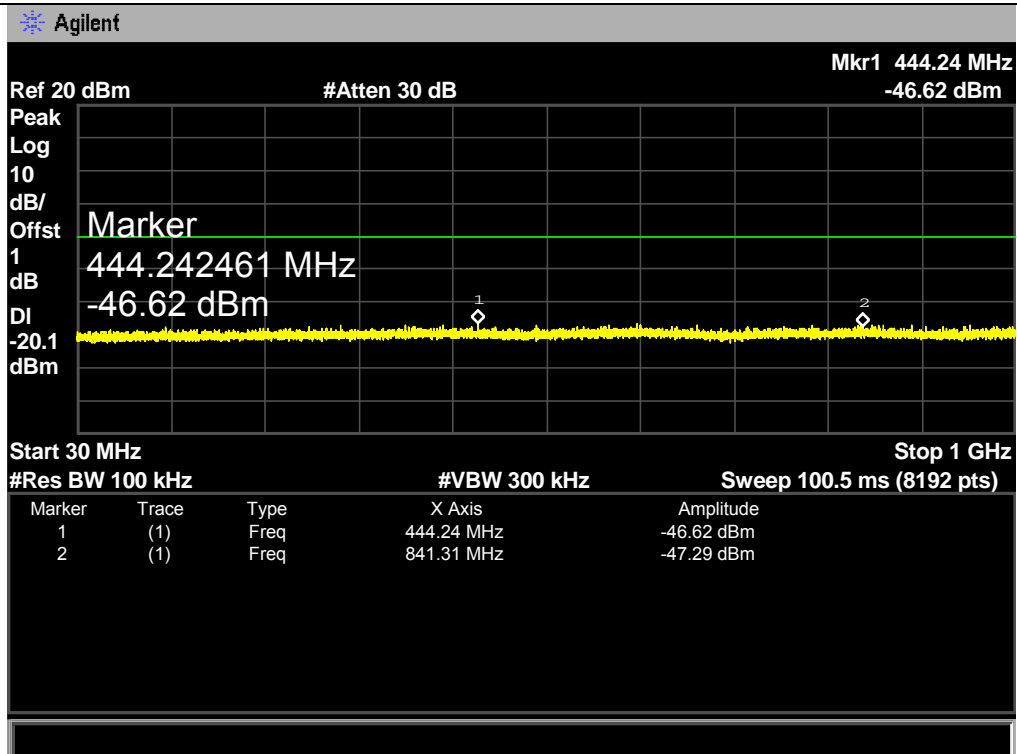
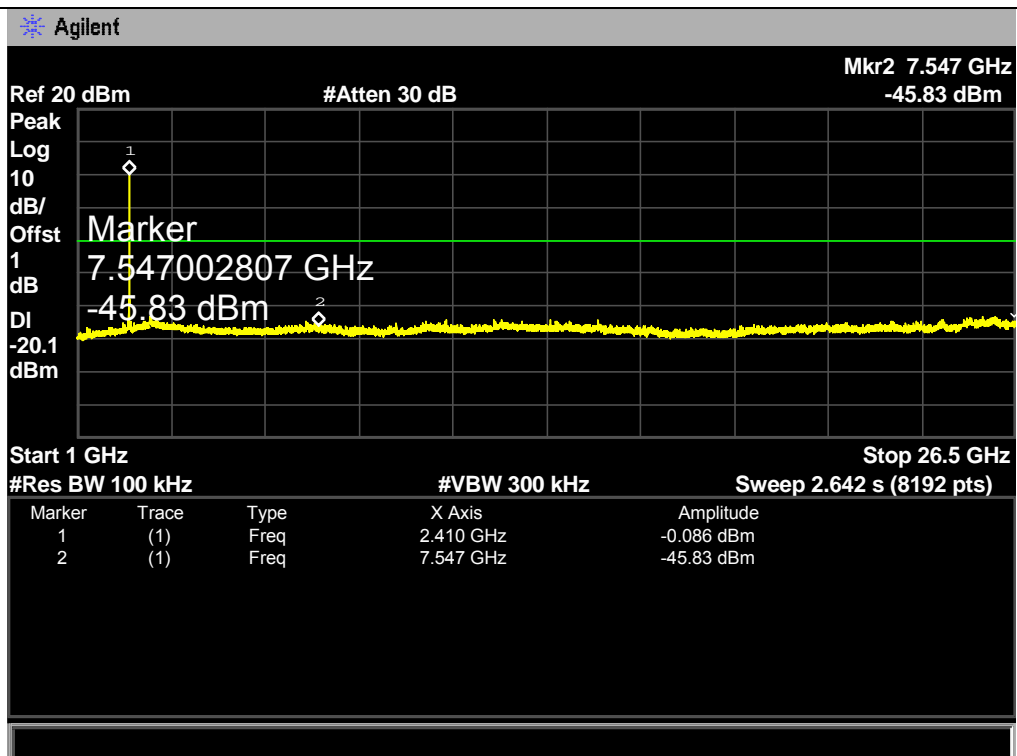
### 8.5 EUT OPERATING CONDITIONS

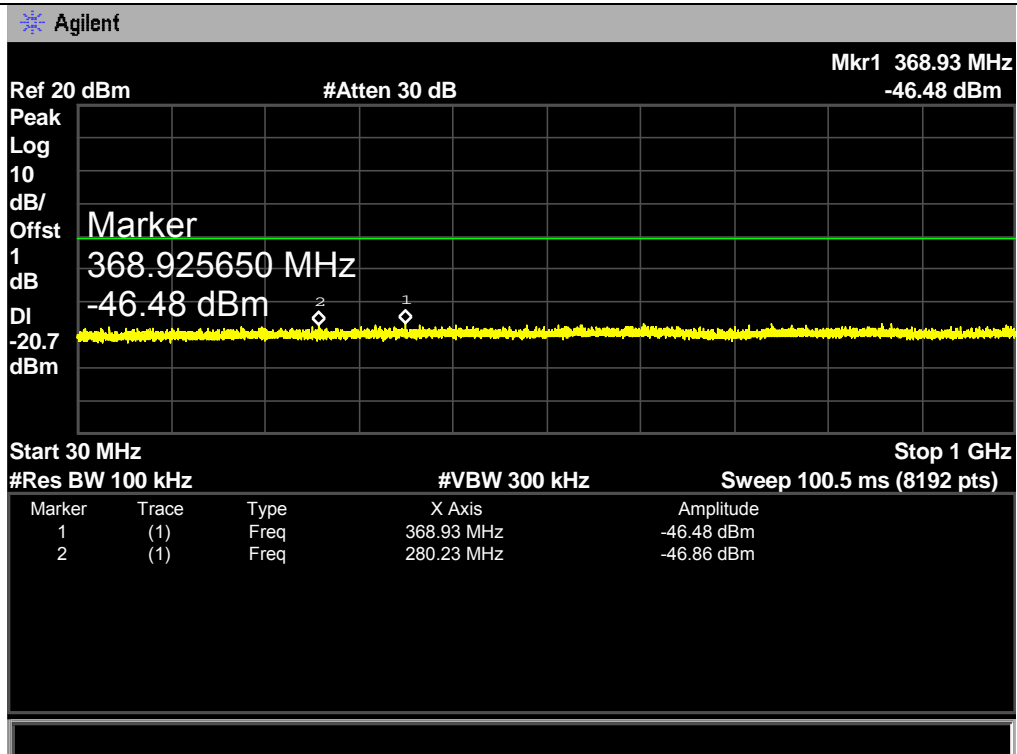
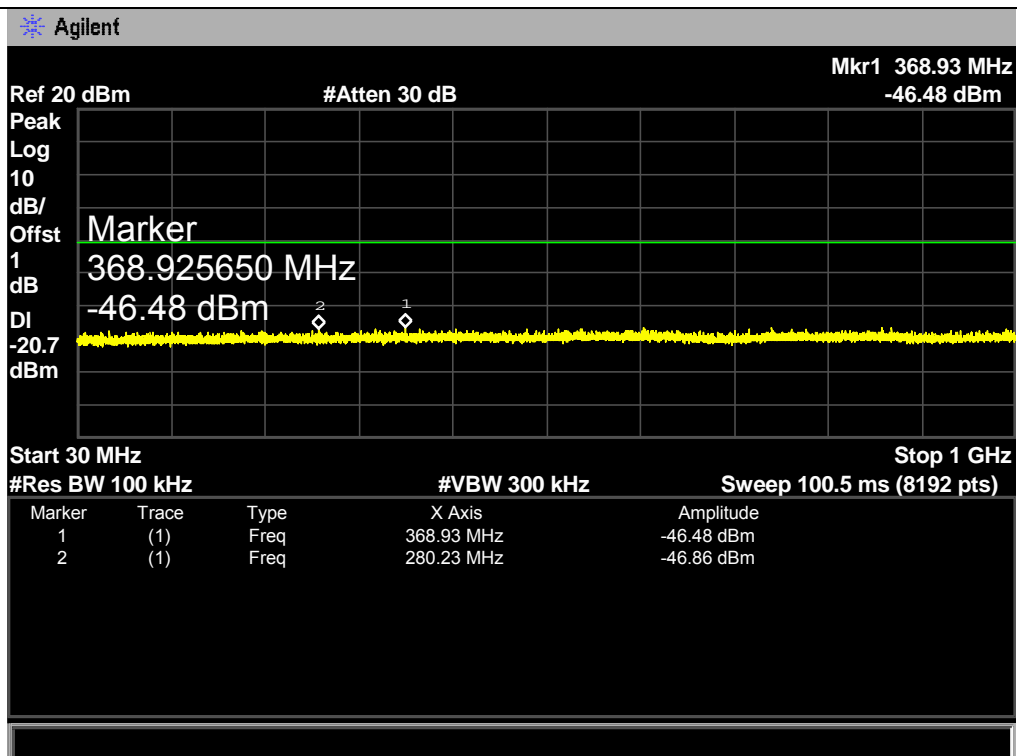
The EUT was set to continuously transmitting in the maximum power during the test.

### 8.6 TEST RESULTS

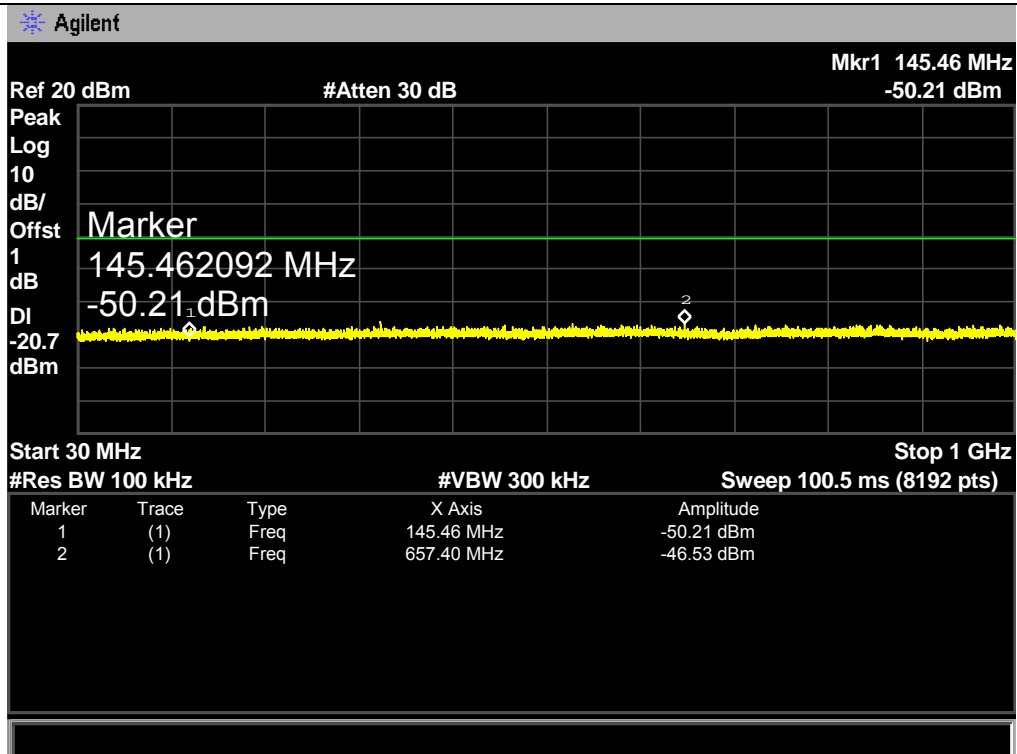
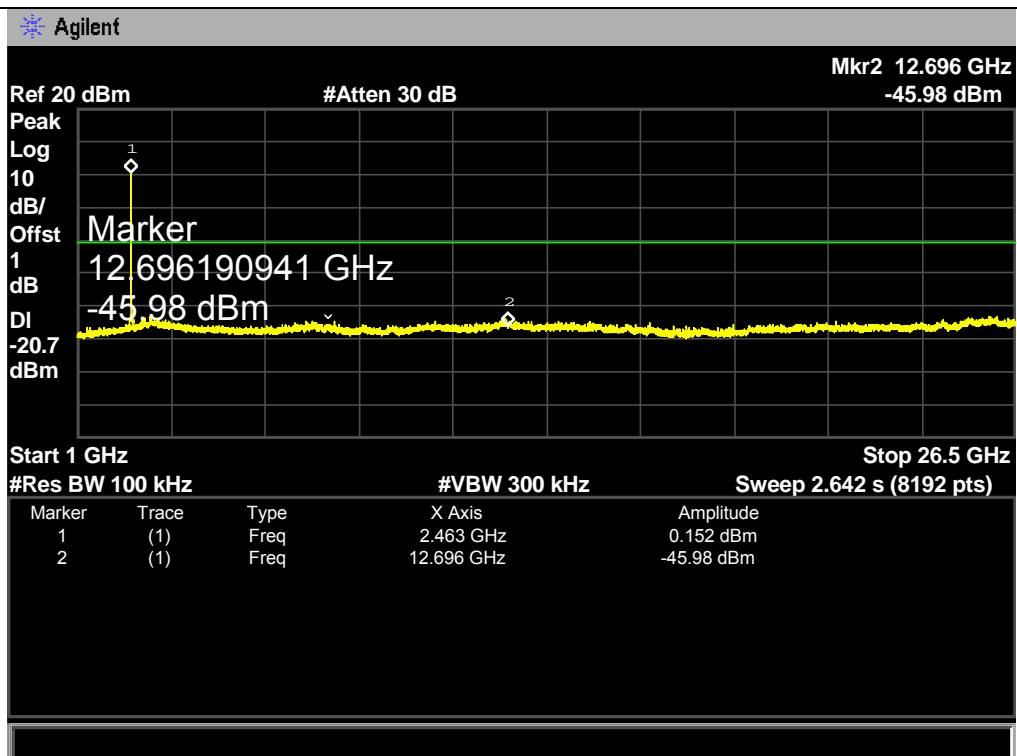
Only showed the worst mode data of ANT 0 transmitting.

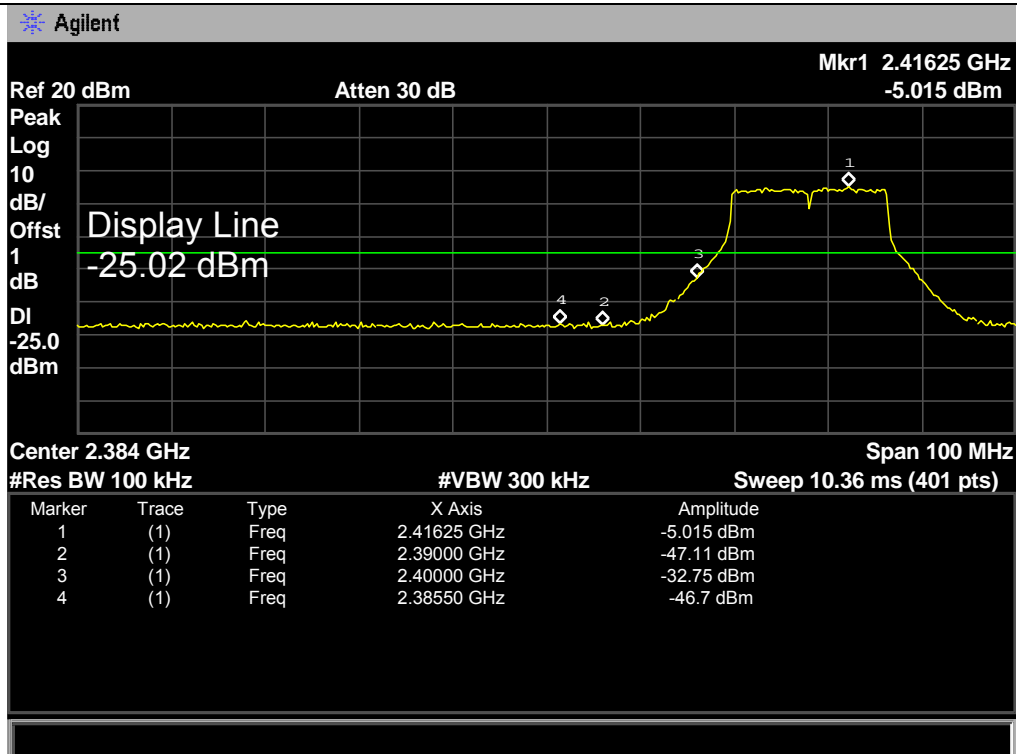
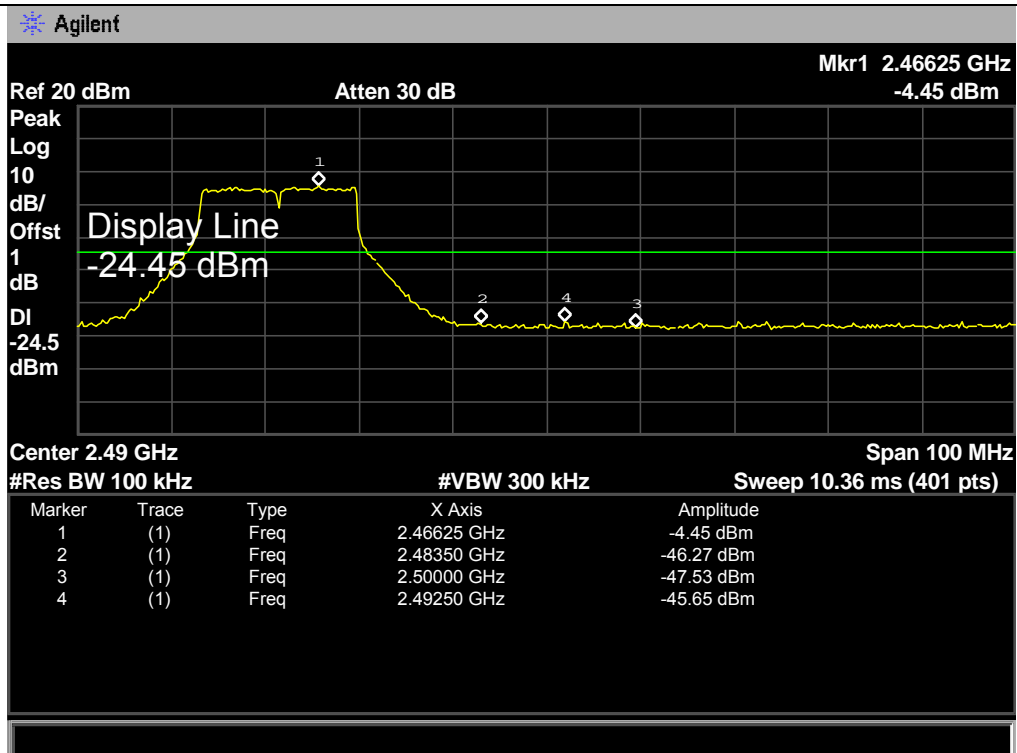
**B Mode Low CH****B Mode High CH**

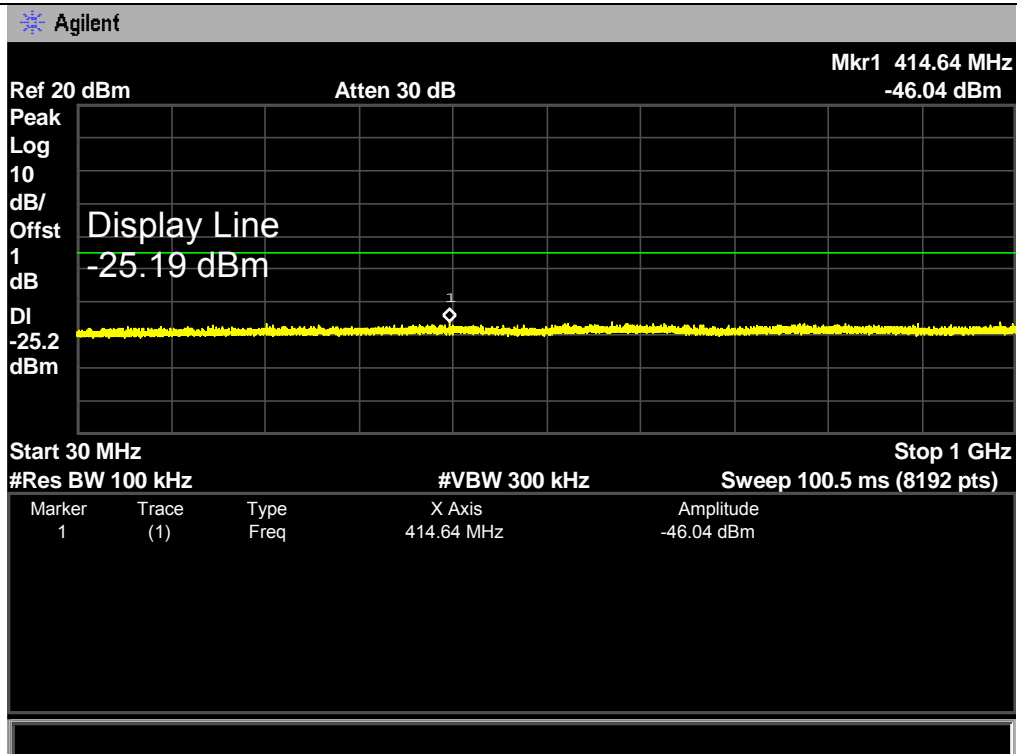
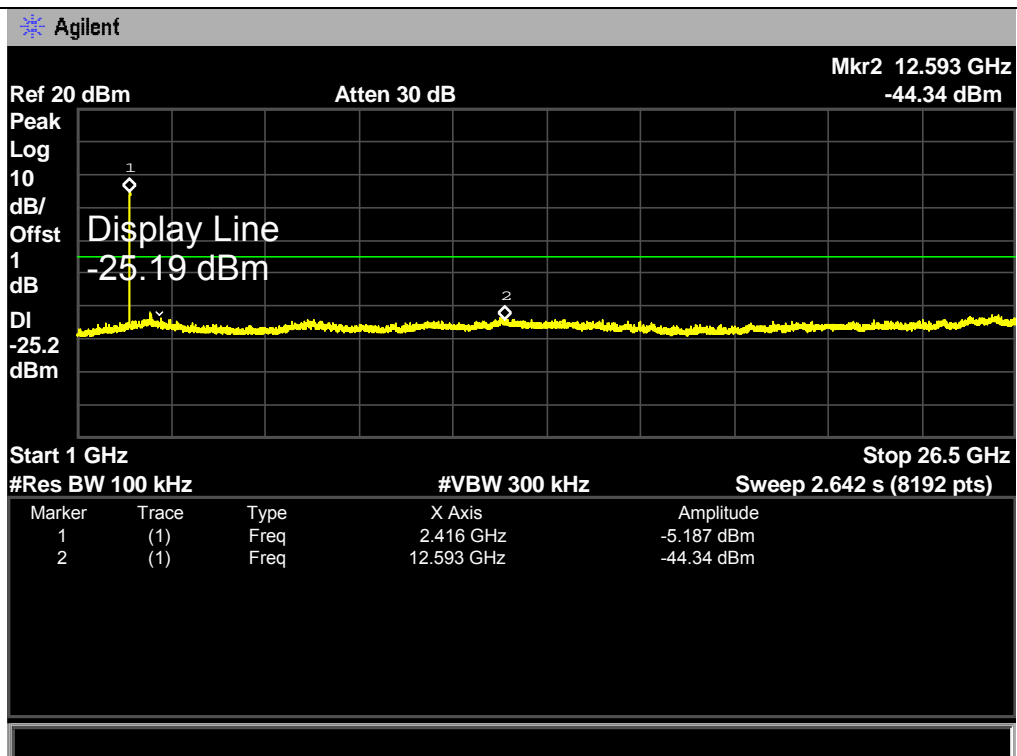
**B Mode Low CH (30MHz~1GHz)****B Mode Low CH (1GHz~26.5GHz)**

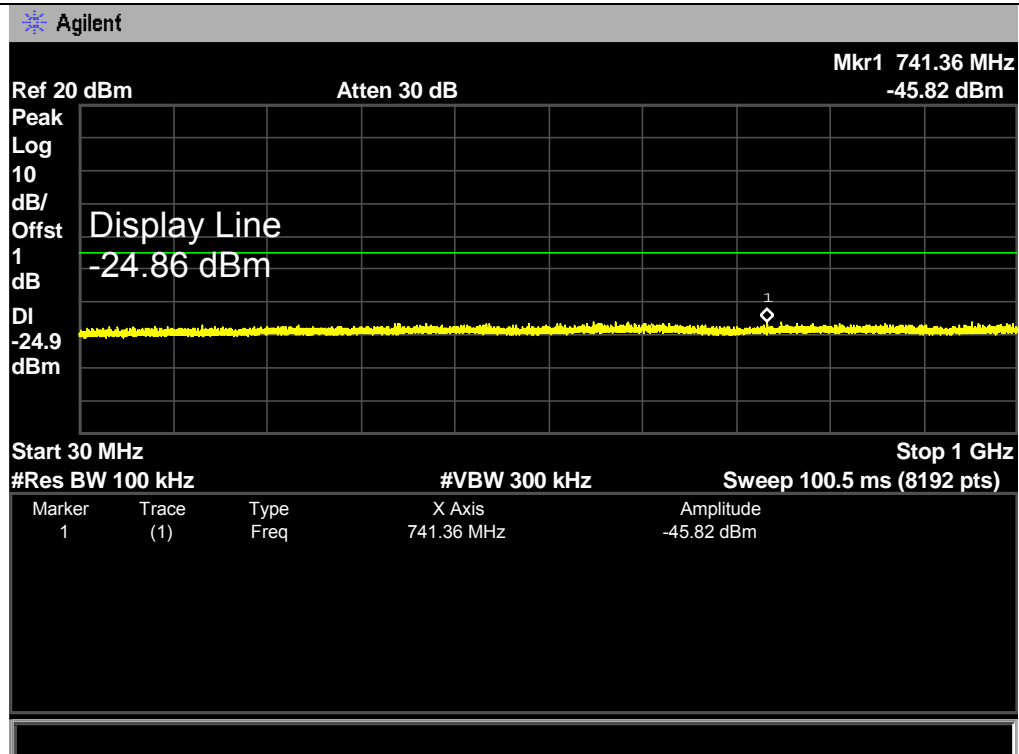
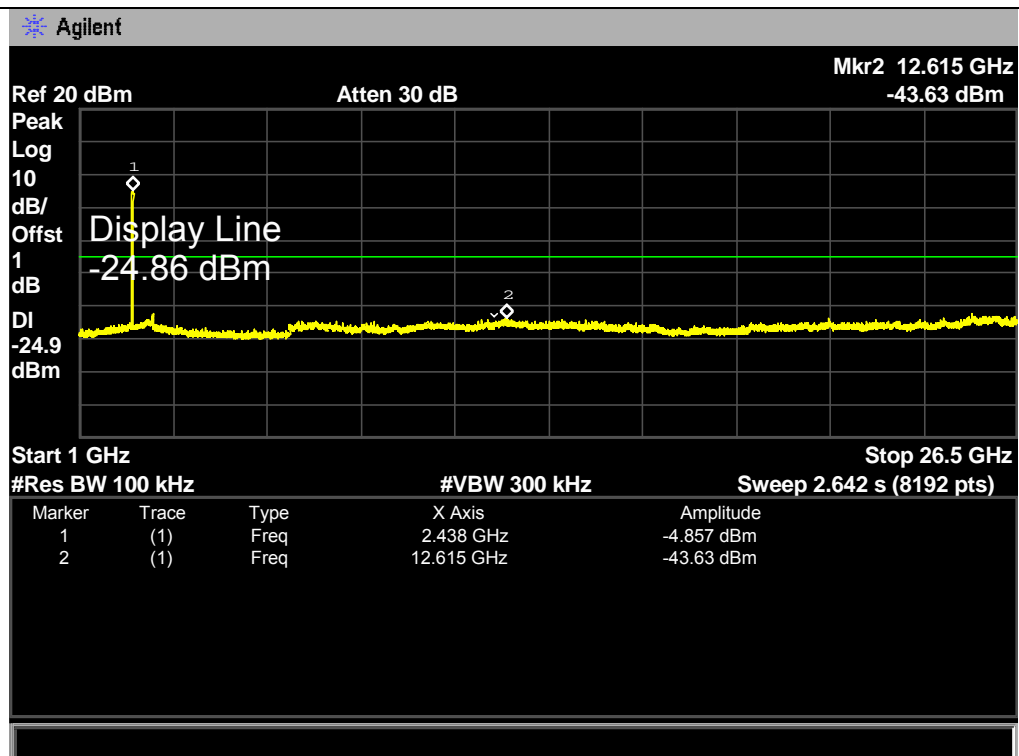
**B Mode Middle CH (30MHz~1GHz)****B Mode Middle CH (1GHz~26.5GHz)**

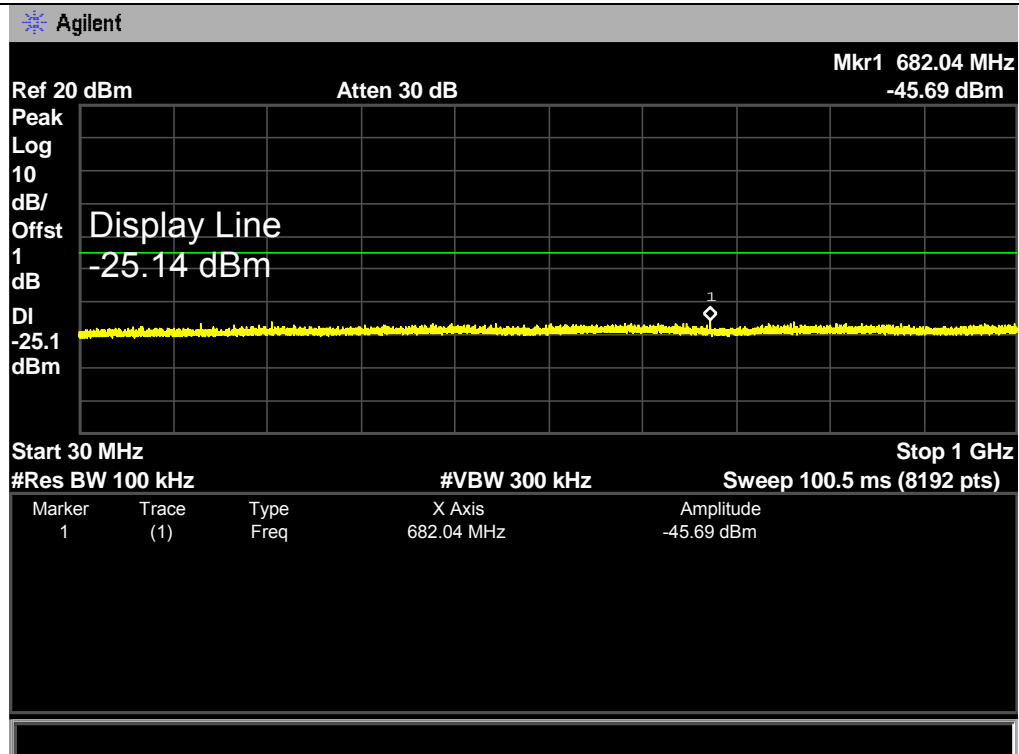
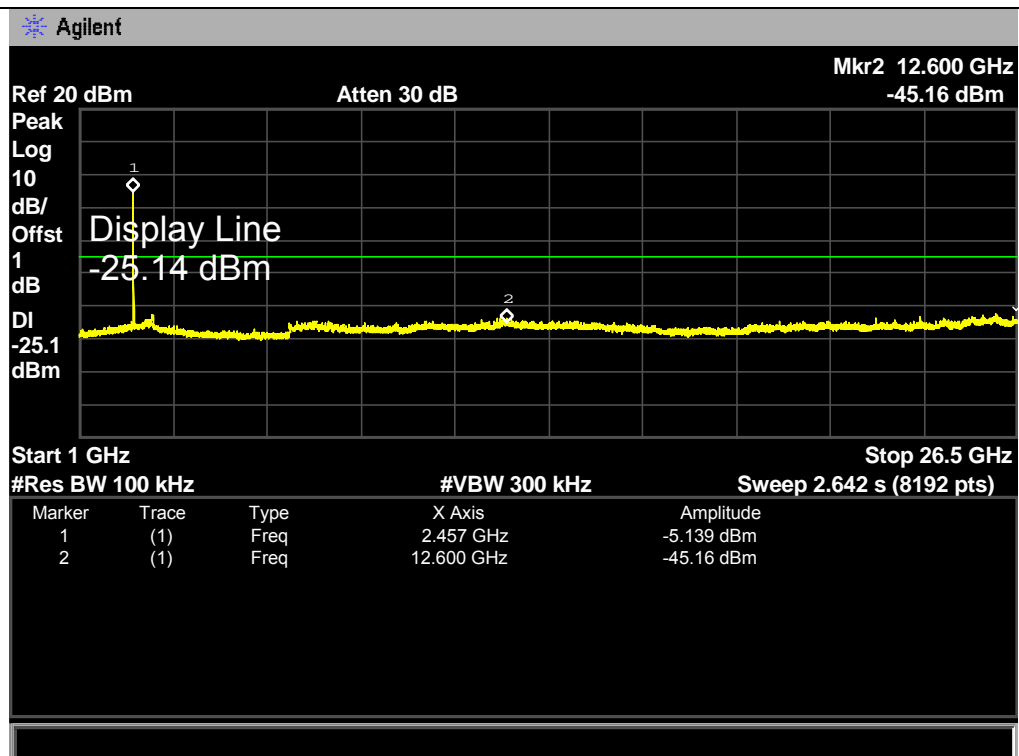


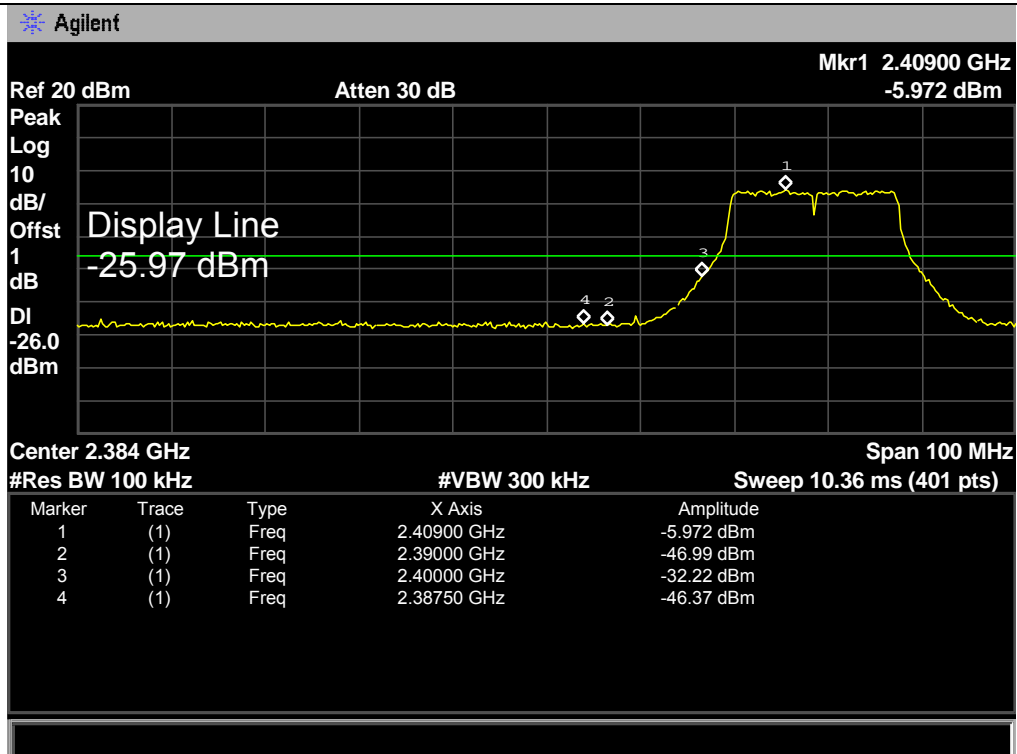
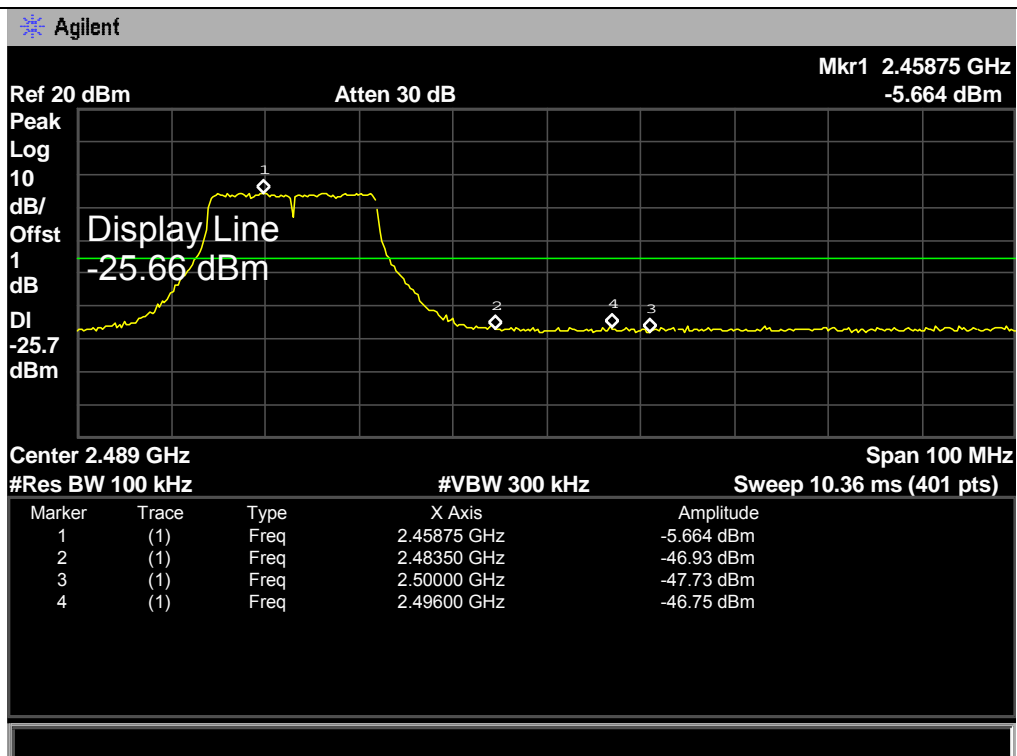
**B Mode High CH (30MHz~1GHz)****B Mode High CH (1GHz~26.5GHz)**

**G Mode Low CH****G Mode High CH**

**G Mode Low CH (30MHz~1GHz)****G Mode Low CH (1GHz~26.5GHz)**

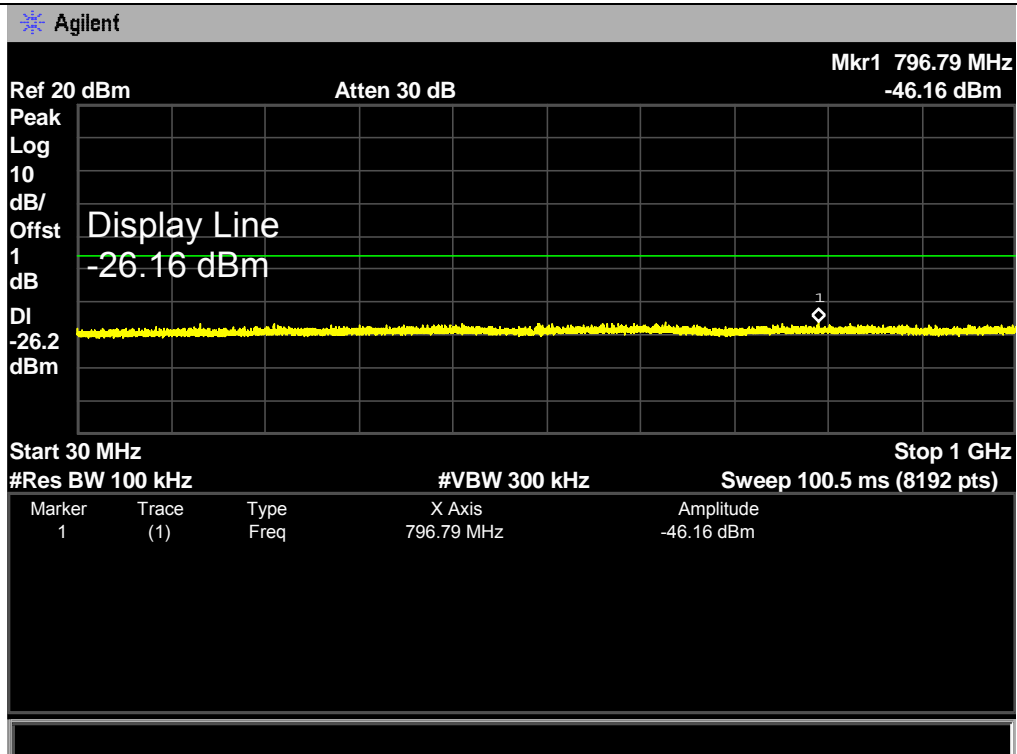
**G Mode Middle CH (30MHz~1GHz)****G Mode Middle CH (1GHz~26.5GHz)**

**G Mode High CH (30MHz~1GHz)****G Mode High CH (1GHz~26.5GHz)**

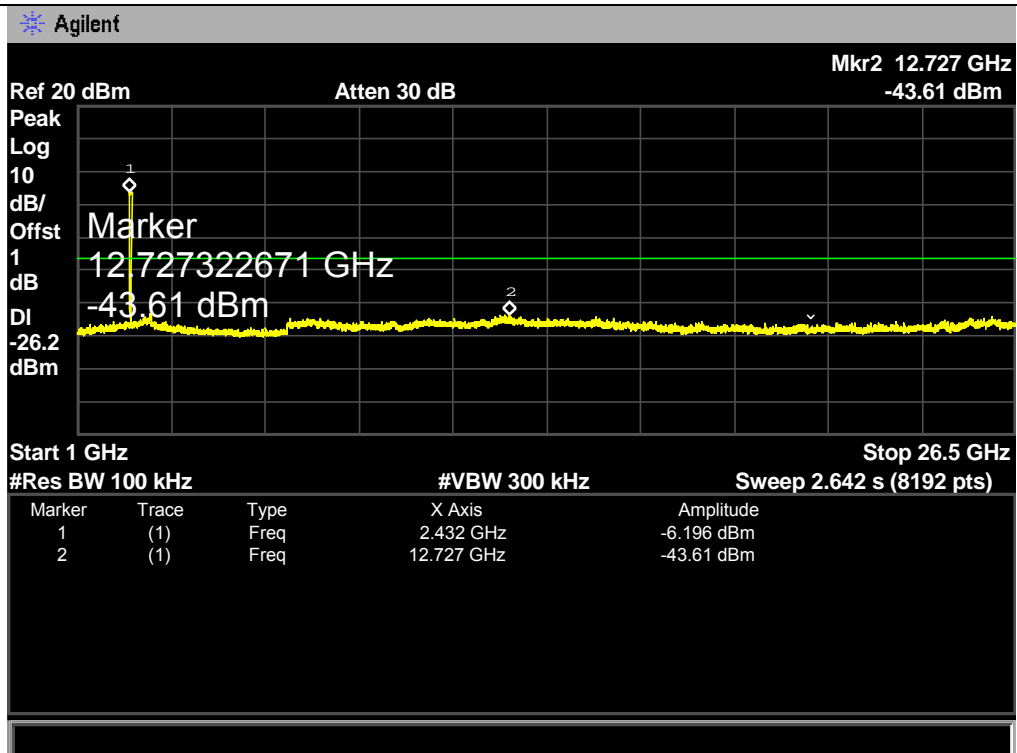
**N(HT20) Mode Low CH****N(HT20) Mode High CH**



## N(HT20) Mode Low CH (30MHz~1GHz)

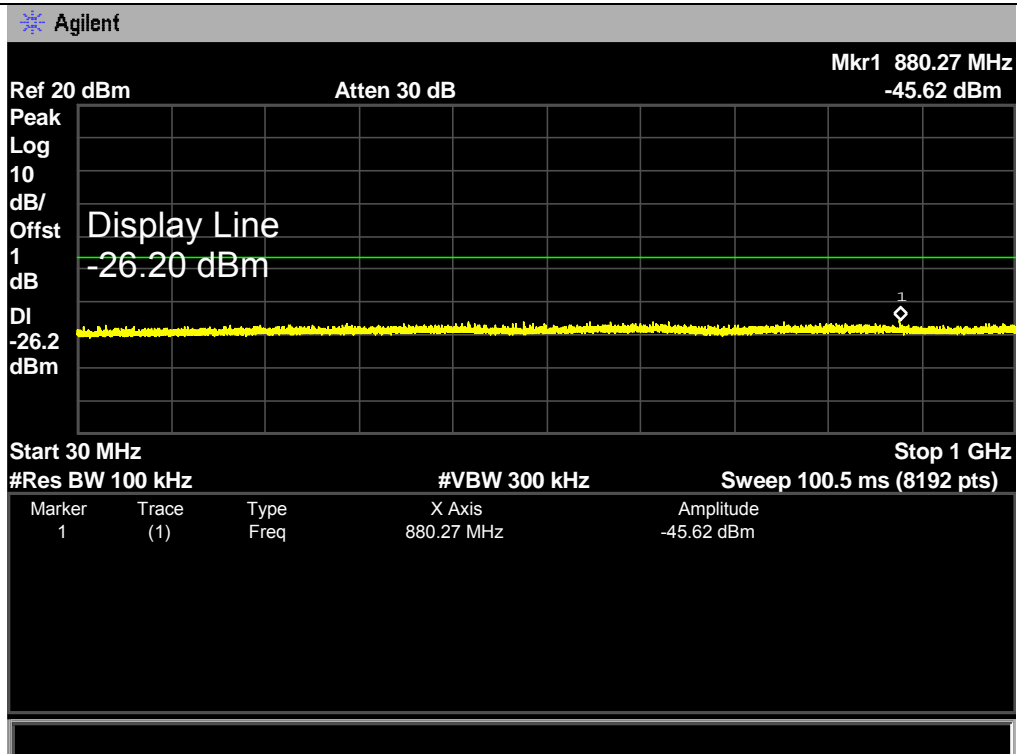


## N(HT20) Mode Low CH (1GHz~26.5GHz)

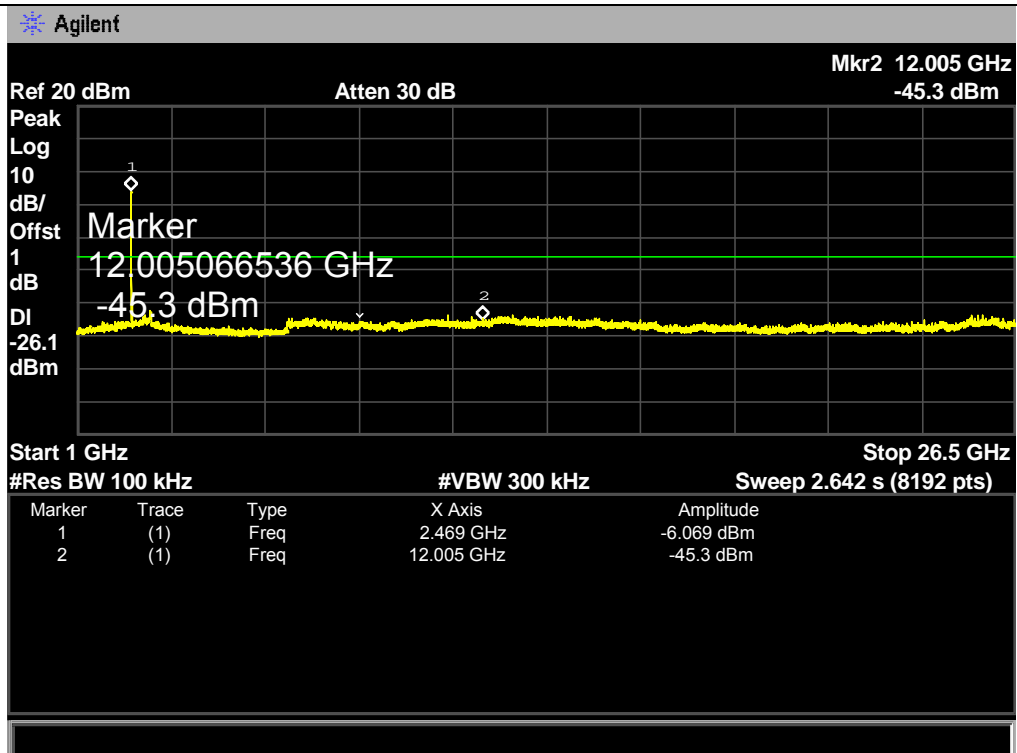




## N(HT20) Mode Middle CH (30MHz~1GHz)



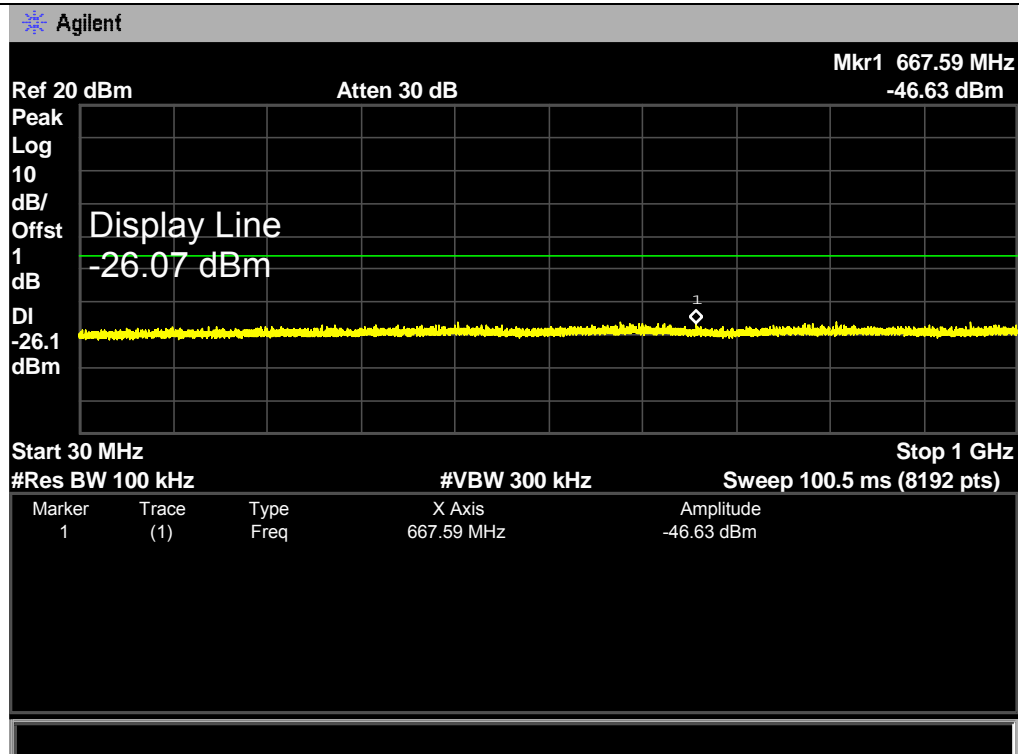
## N(HT20) Mode Middle CH (1GHz~26.5GHz)



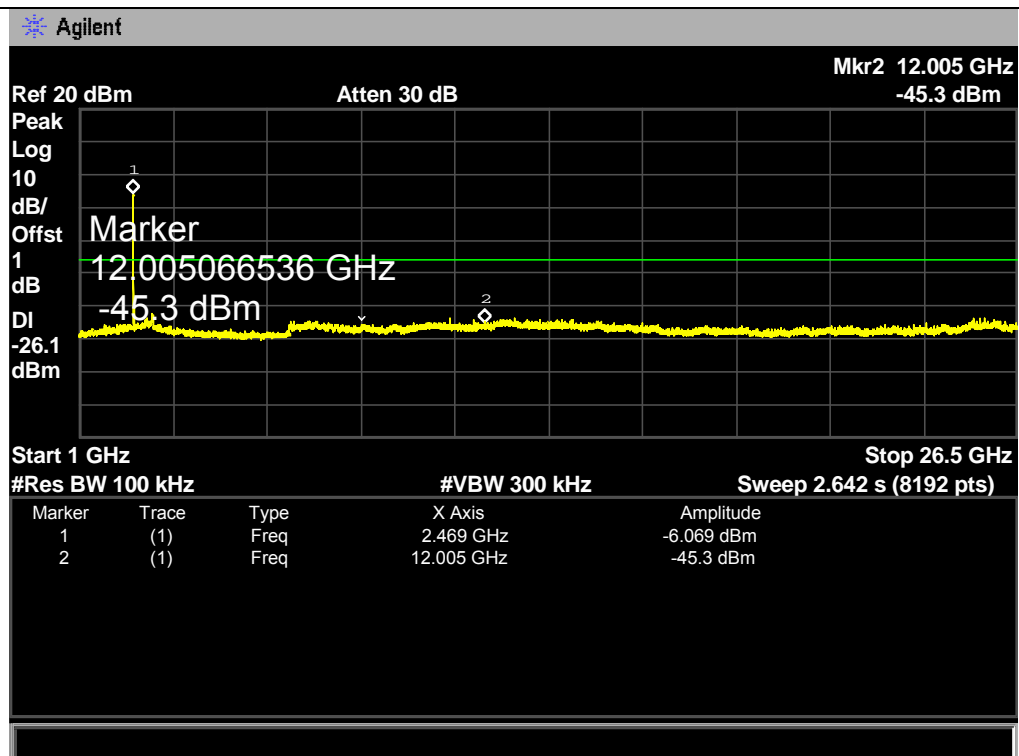


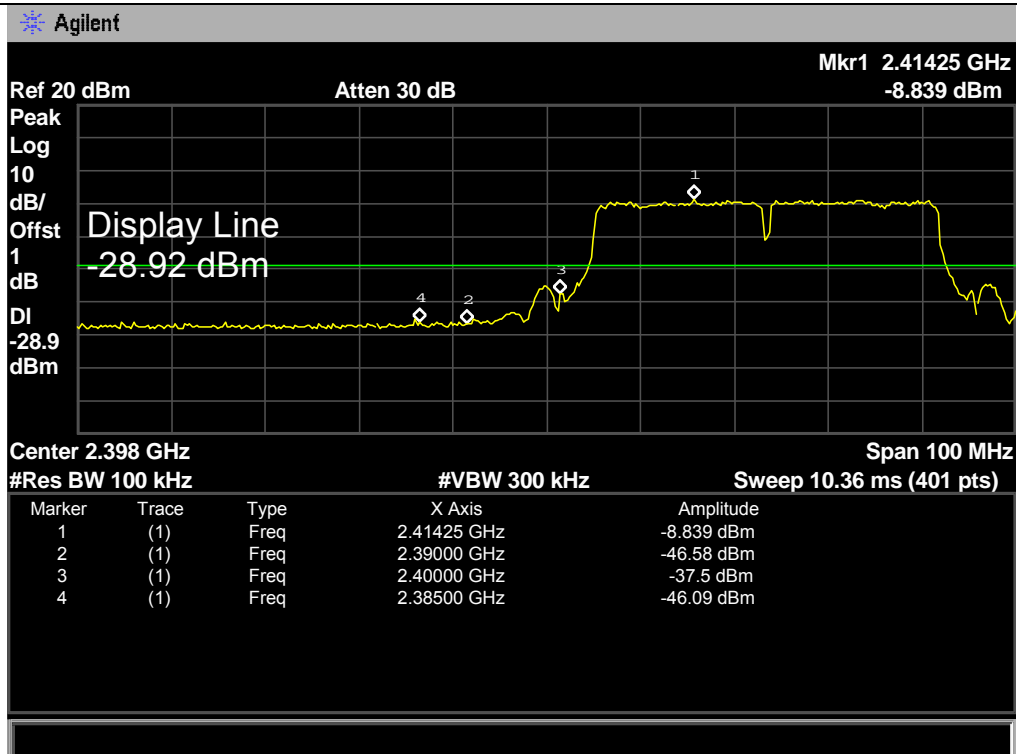
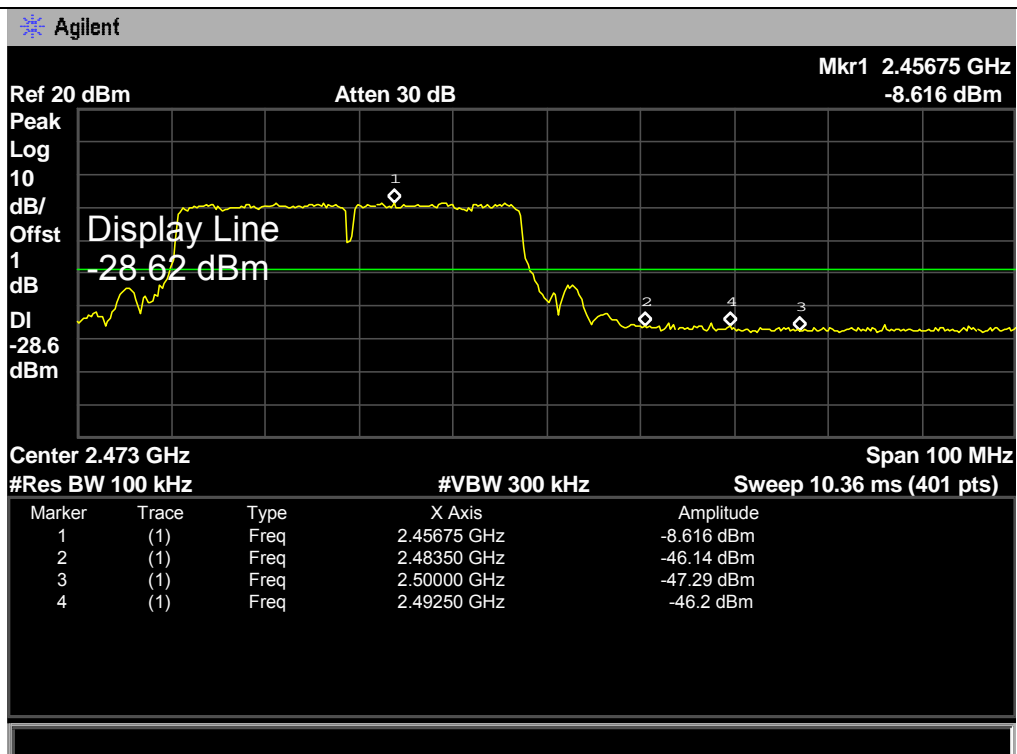


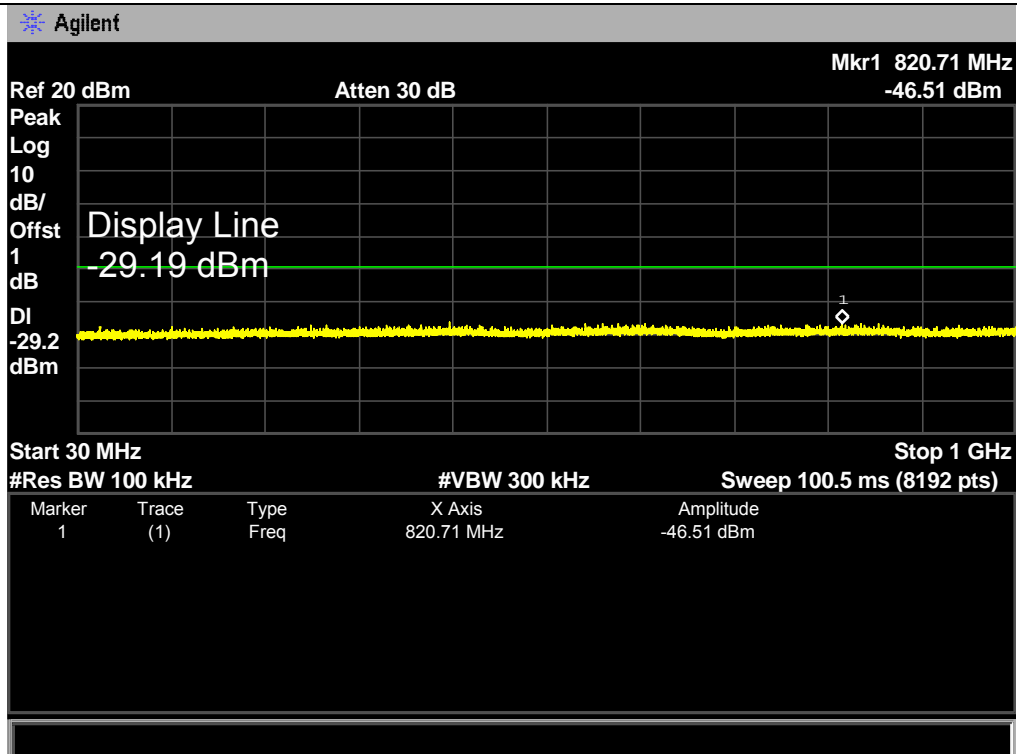
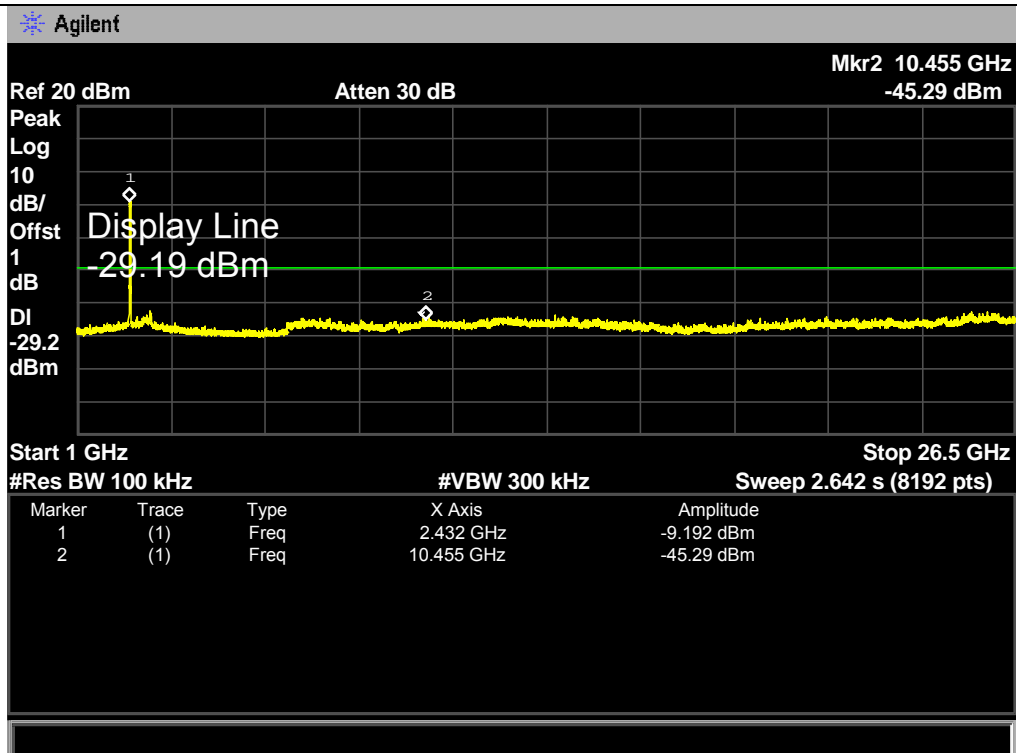
## N(HT20) Mode High CH (30MHz~1GHz)

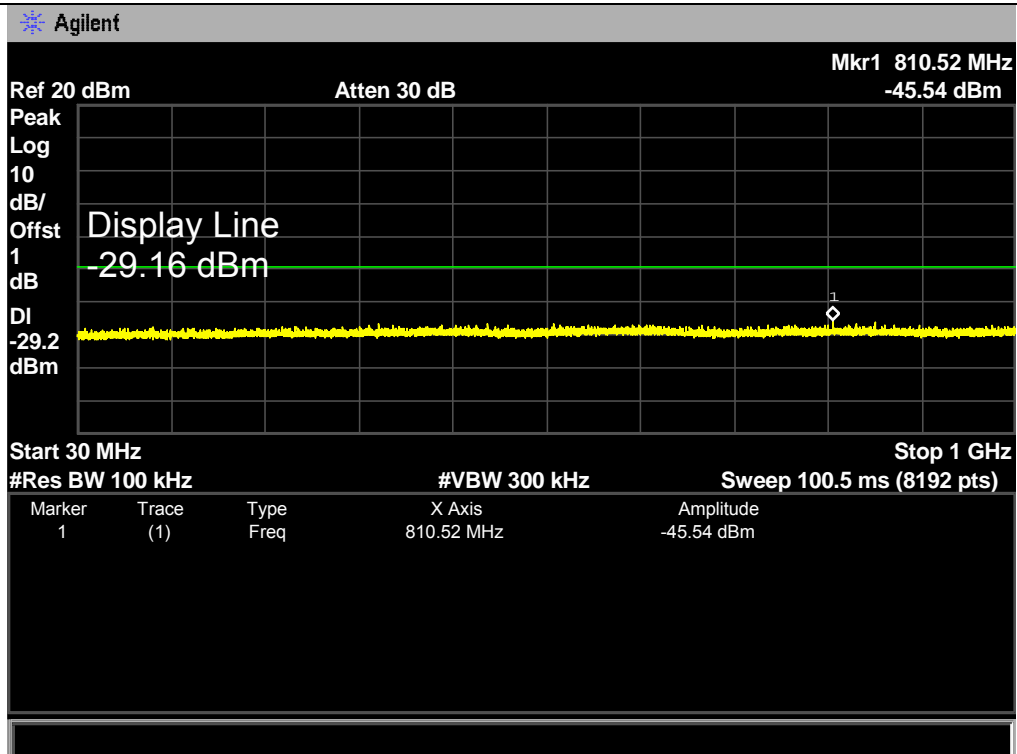
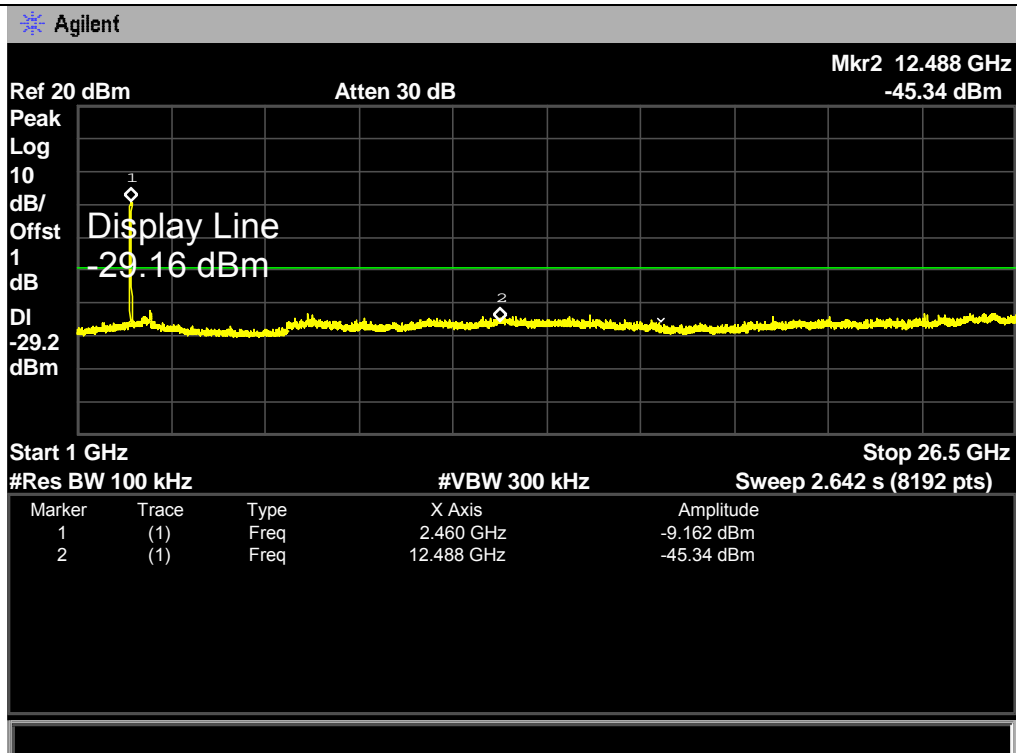


## N(HT20) Mode High CH (1GHz~26.5GHz)



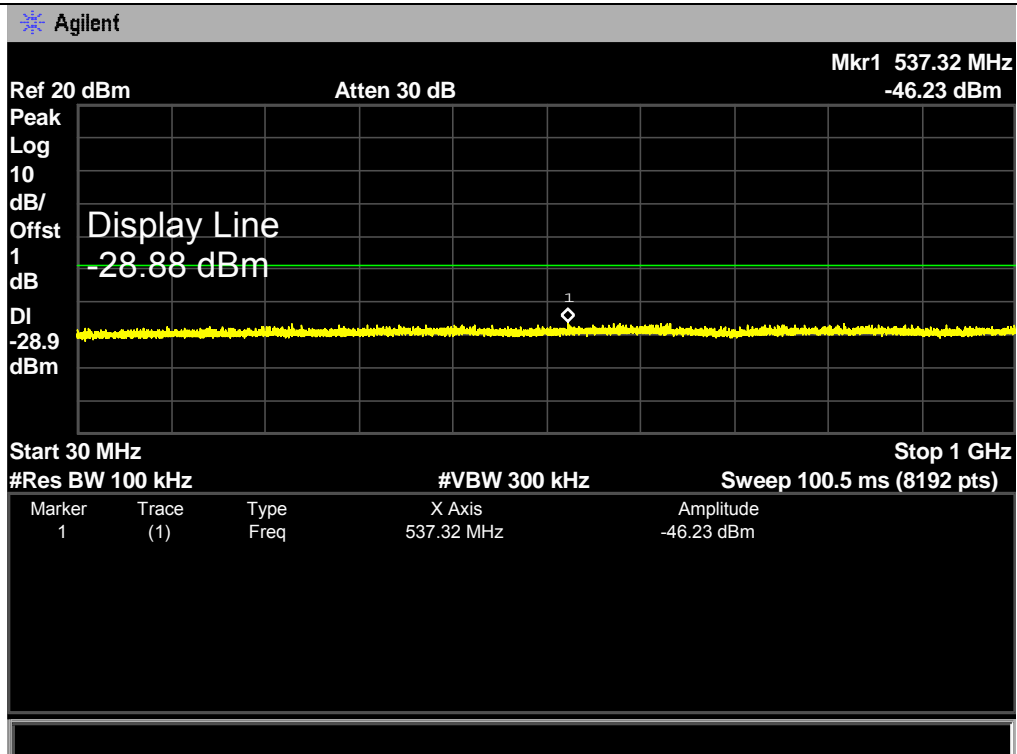
**N(HT40) Mode Low CH****N(HT40) Mode High CH**

**N(HT40) Mode Low CH (30MHz~1GHz)****N(HT40) Mode Low CH (1GHz~26.5GHz)**

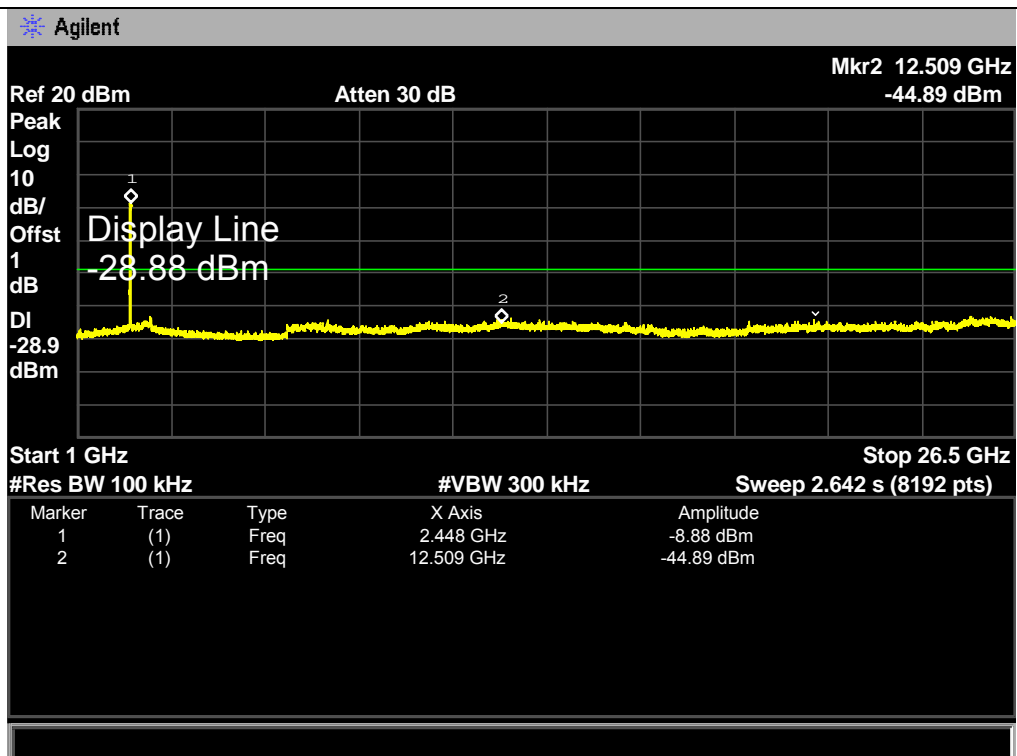
**N(HT40) Mode Middle CH (30MHz~1GHz)****N(HT40) Mode Middle CH (1GHz~26.5GHz)**



## N(HT40) Mode High CH (30MHz~1GHz)



## N(HT40) Mode High CH (1GHz~26.5GHz)





## 9. ANTENNA REQUIREMENT

### 9.1 REQUIREMENT

Antenna Requirement (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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.
Antenna Requirement (15.247)	If transmitting antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

### 9.2 ANTENNA CONNECTOR CONSTRUCTION

The EUT antenna is a PIFA Antenna. And the maximum gain of this antenna is 0 dBi.  
It complies with the standard requirement.