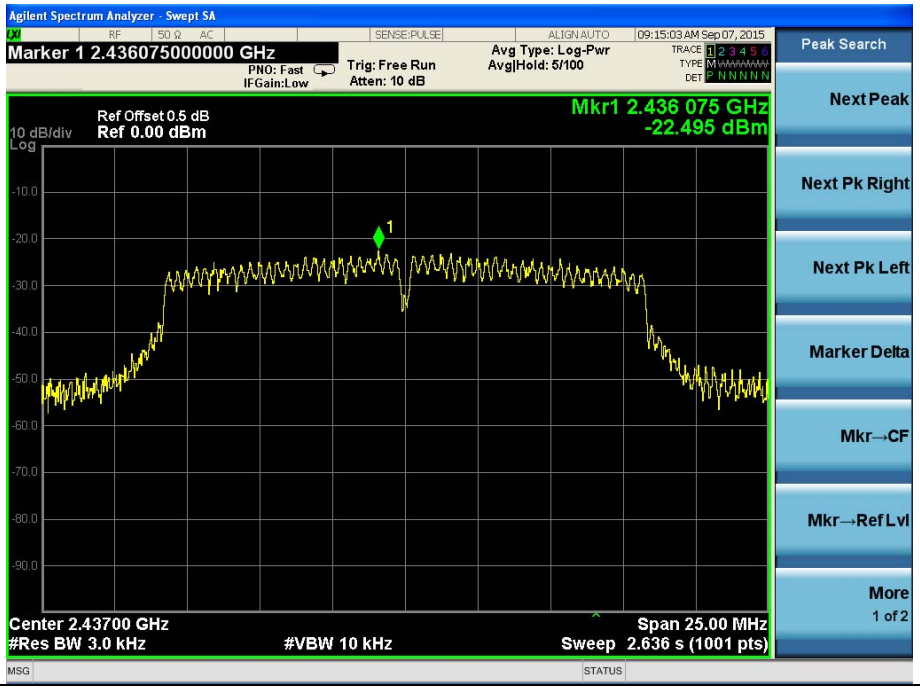
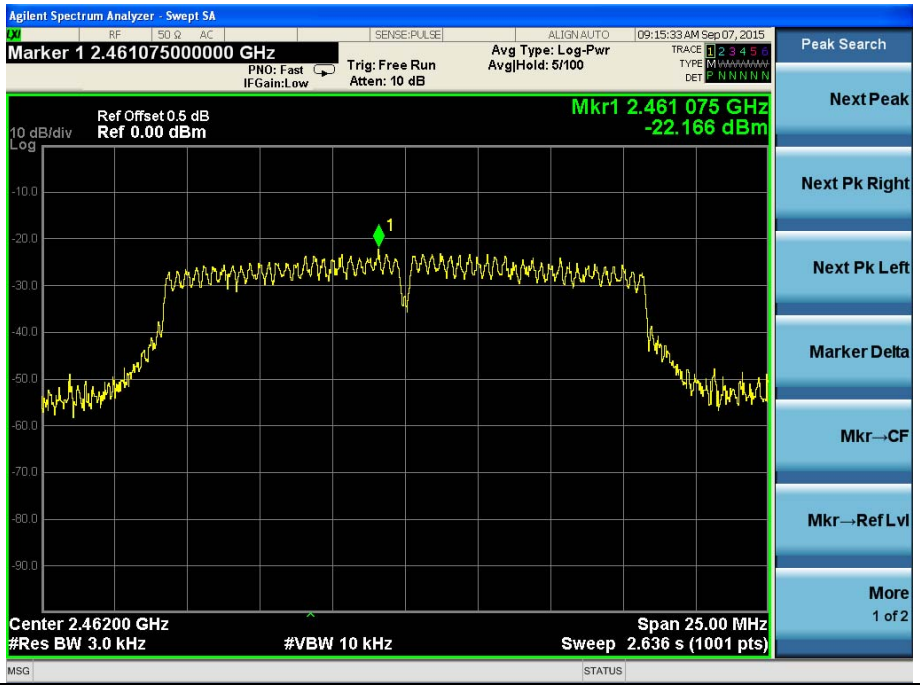
TX CH06



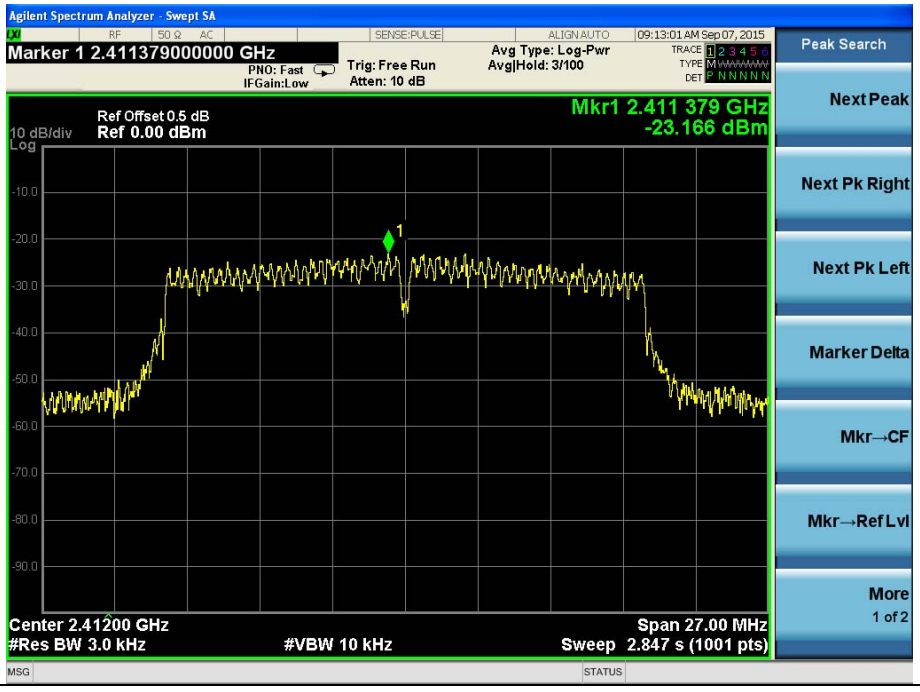
TX CH11



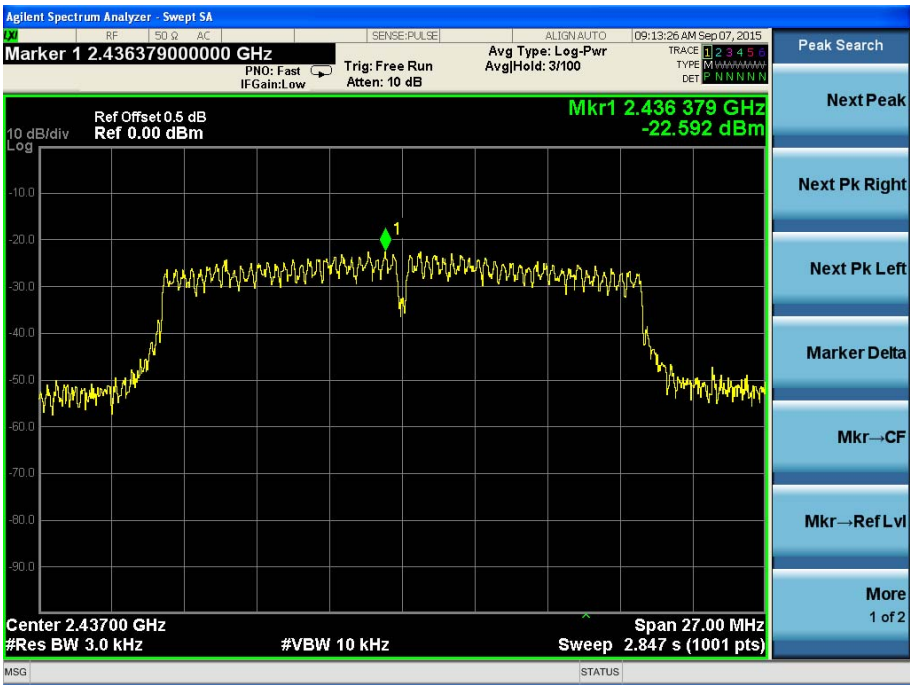
EUT：	Android tv box	Model Name ：	Wetek Core
Temperature：	25℃	Relative Humidity：	60%
Pressure：	1015 hPa	Test Voltage ：	DC 12V from adapter
Test Mode ：	TX n Mode(20M) /CH01, CH06, CH11		

Frequency	Power Density (dBm)	Limit (dBm)	Result
2412 MHz	-23.166	8	PASS
2437 MHz	-22.592	8	PASS
2462 MHz	-22.603	8	PASS

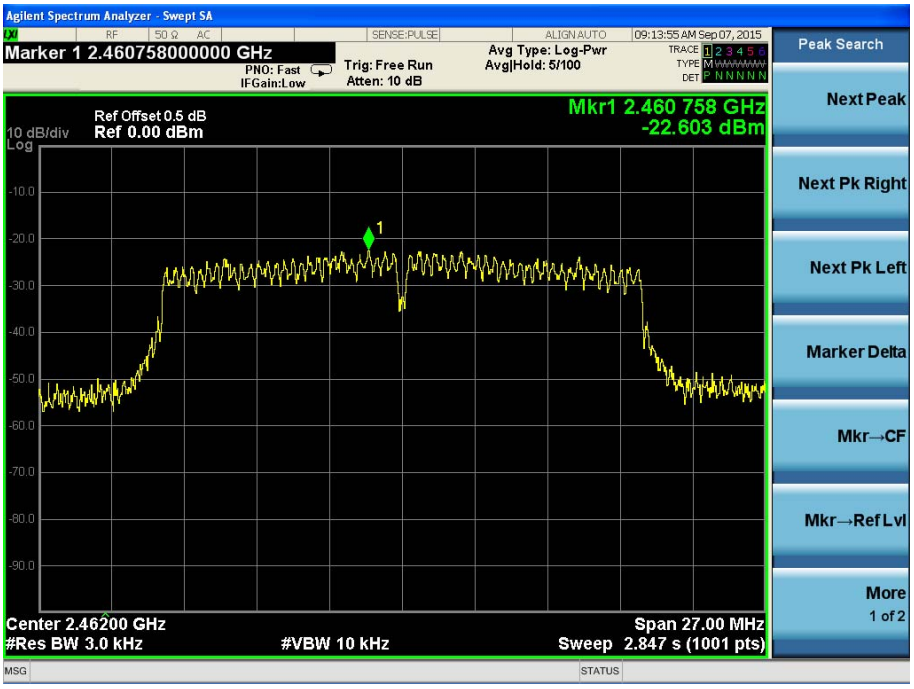
TX CH01



TX CH06



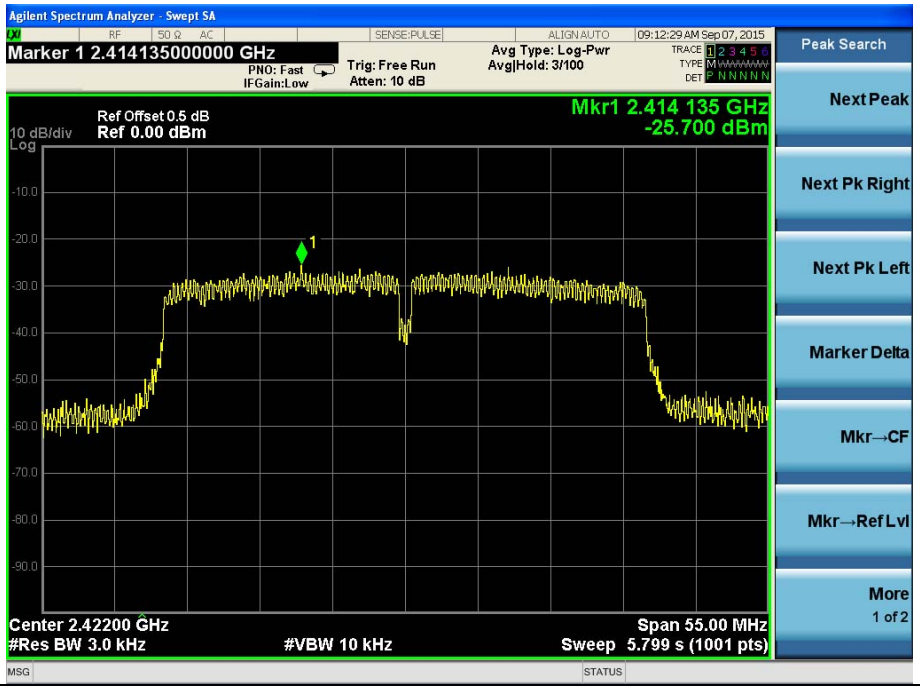
TX CH11



EUT：	Android tv box	Model Name ：	Wetek Core
Temperature：	25℃	Relative Humidity：	60%
Pressure：	1015 hPa	Test Voltage ：	DC 12V from adapter
Test Mode ：	TX n Mode(40M) /CH03, CH06, CH9		

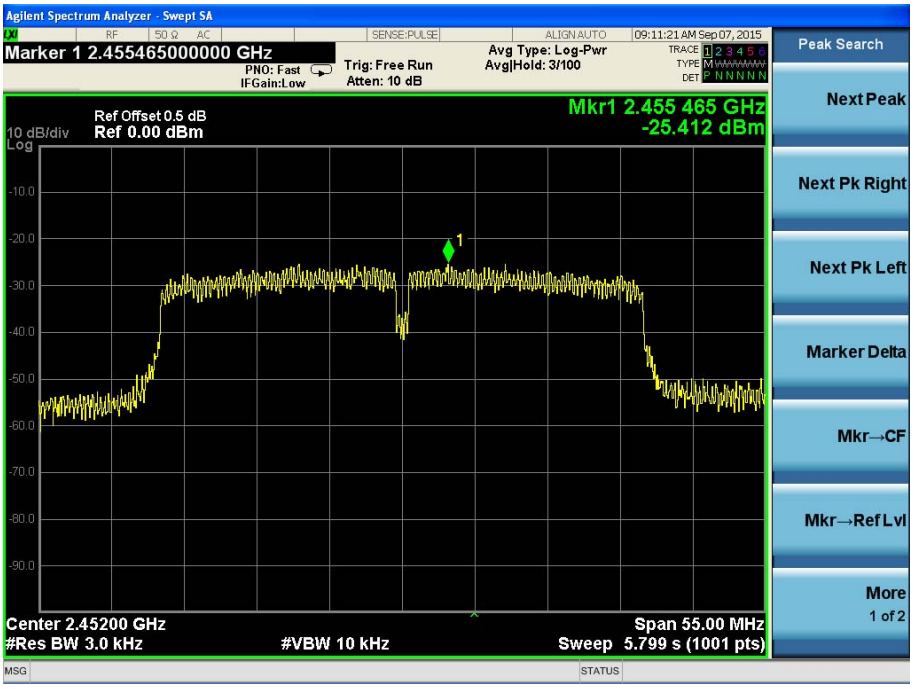
Frequency	Power Density (dBm)	Limit (dBm)	Result
2422 MHz	-25.700	8	PASS
2437 MHz	-25.673	8	PASS
2452 MHz	-25.412	8	PASS

TX CH03



TX CH06

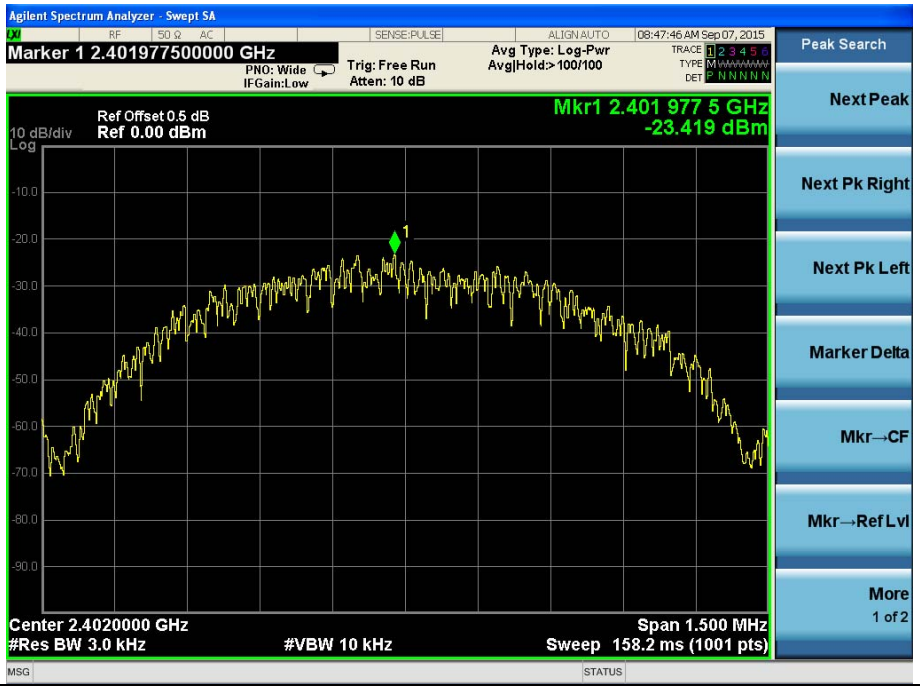
TX CH09



EUT：	Android tv box	Model Name ：	Wetek Core
Temperature：	25℃	Relative Humidity：	60%
Pressure：	1015 hPa	Test Voltage ：	DC 12V from adapter
Test Mode ：	TX BT /CH00, CH19, CH39		

Frequency	Power Density (dBm)	Limit (dBm)	Result
2402 MHz	-23.419	8	PASS
2440 MHz	-23.040	8	PASS
2480 MHz	-21.741	8	PASS

TX CH00



TX CH19

TX CH39

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

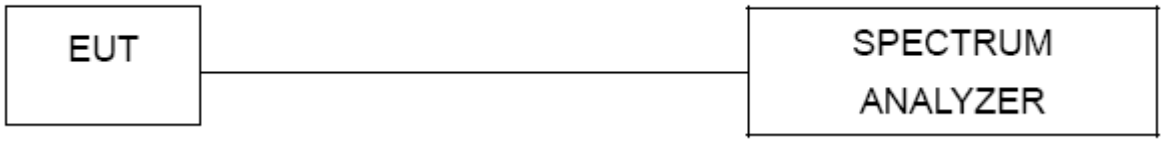
5.1.1 TEST PROCEDURE

1. Set RBW = 100 kHz.
2. Set the video bandwidth (VBW) ≥ 3 x RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental 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.

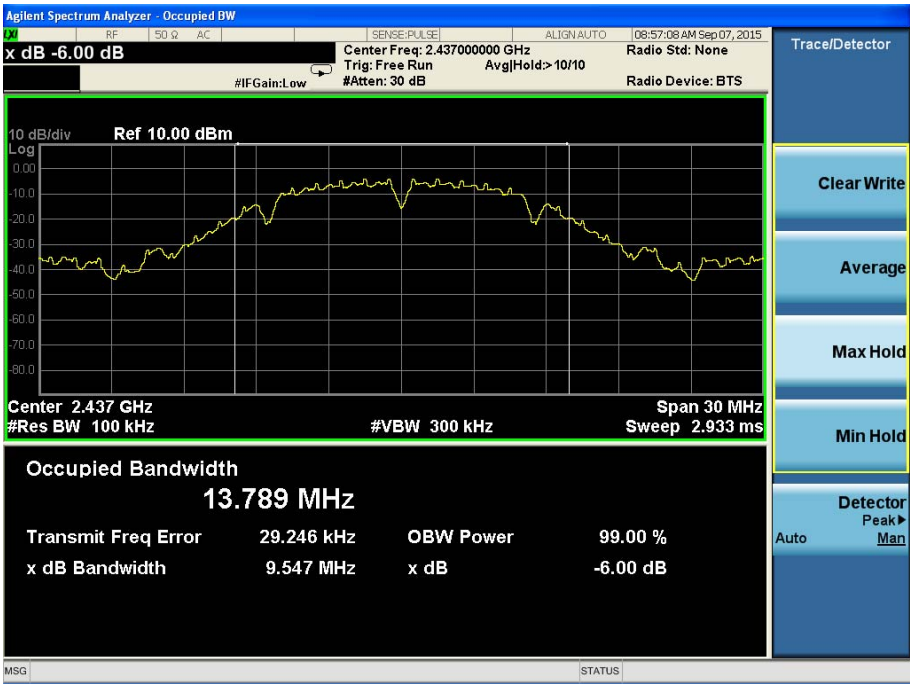
5.1.5 TEST RESULTS

EUT：	Android tv box	Model Name ：	Wetek Core
Temperature：	25℃	Relative Humidity：	60%
Pressure：	1012 hPa	Test Voltage ：	DC 12V from adapter
Test Mode ：	TX b Mode /CH01, CH06, CH11		

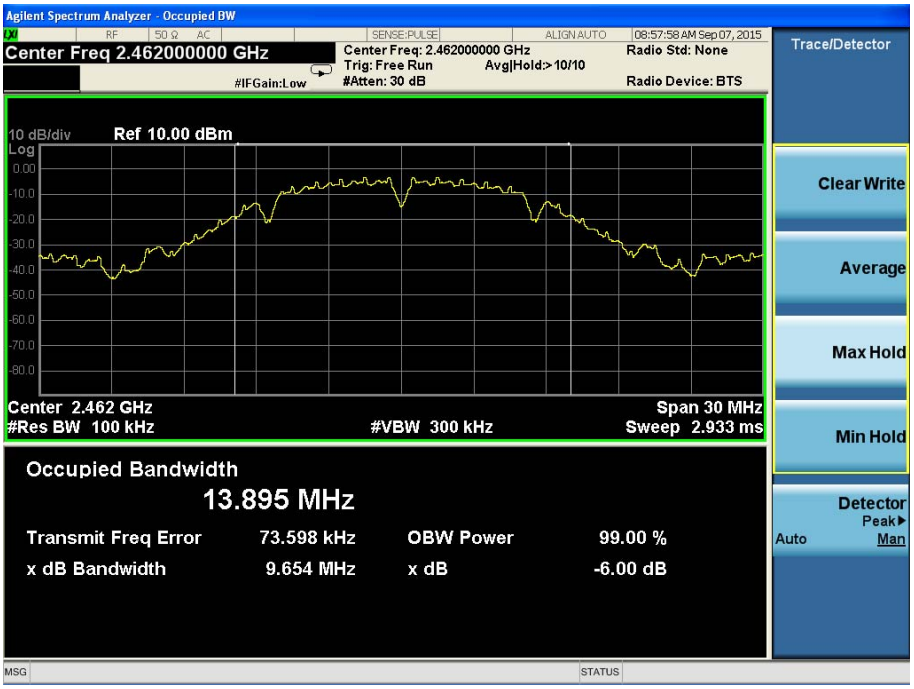
Channel	Frequency (MHz)	6dB bandwidth (MHz)	Limit (kHz)	Result
Low	2412	9.535	500	Pass
Middle	2437	9.547	500	Pass
High	2462	9.654	500	Pass

TX CH 01

TX CH 06



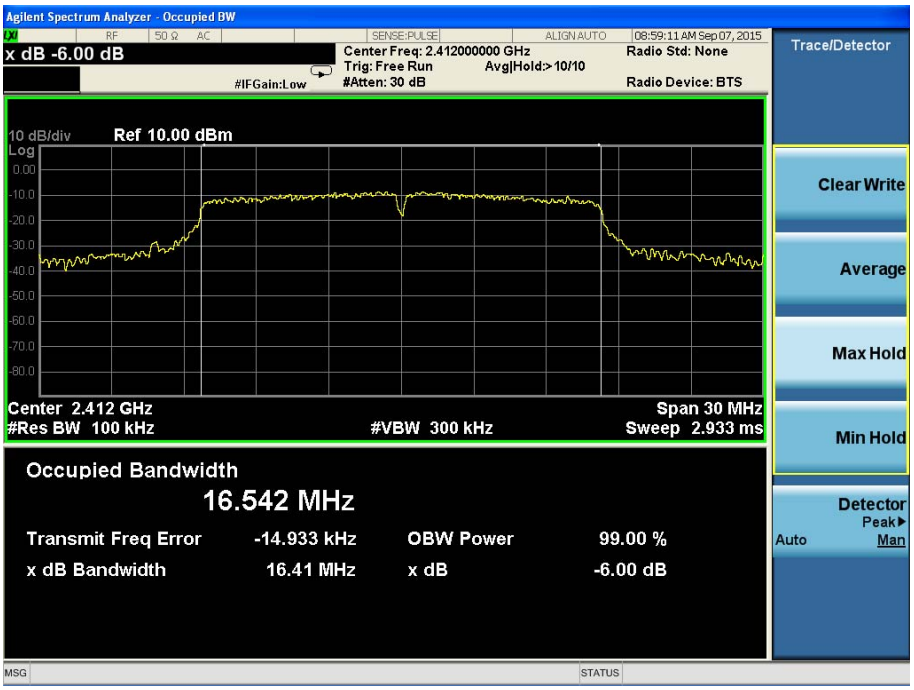
TX CH 11



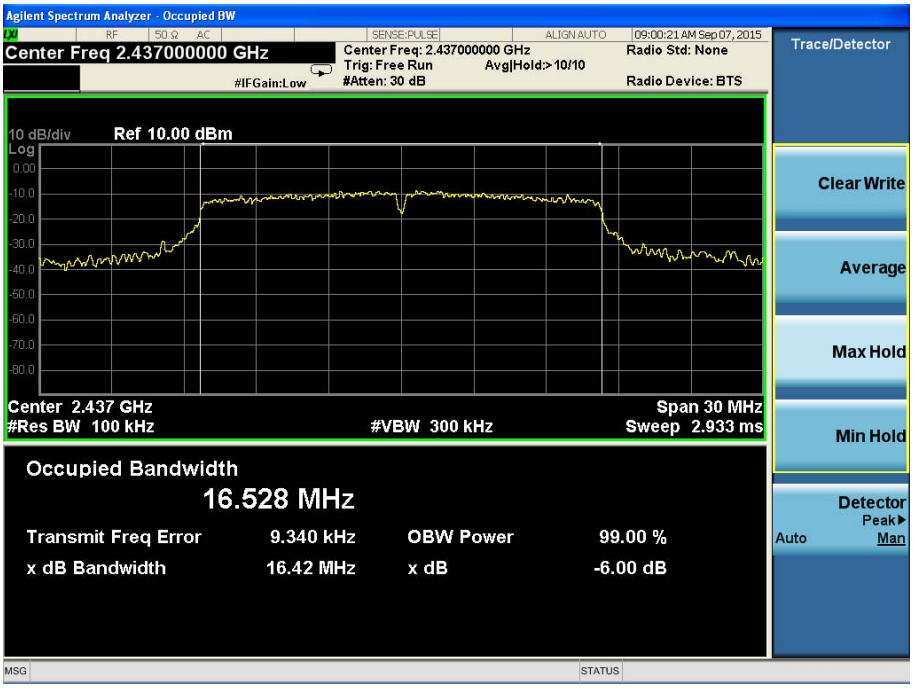
EUT：	Android tv box	Model Name ：	Wetek Core
Temperature：	25℃	Relative Humidity：	60%
Pressure：	1012 hPa	Test Voltage ：	DC 12V from adapter
Test Mode ：	TX g Mode /CH01, CH06, CH11		

Channel	Frequency (MHz)	6dB bandwidth (MHz)	Limit (kHz)	Result
Low	2412	16.410	500	Pass
Middle	2437	16.420	500	Pass
High	2462	16.440	500	Pass

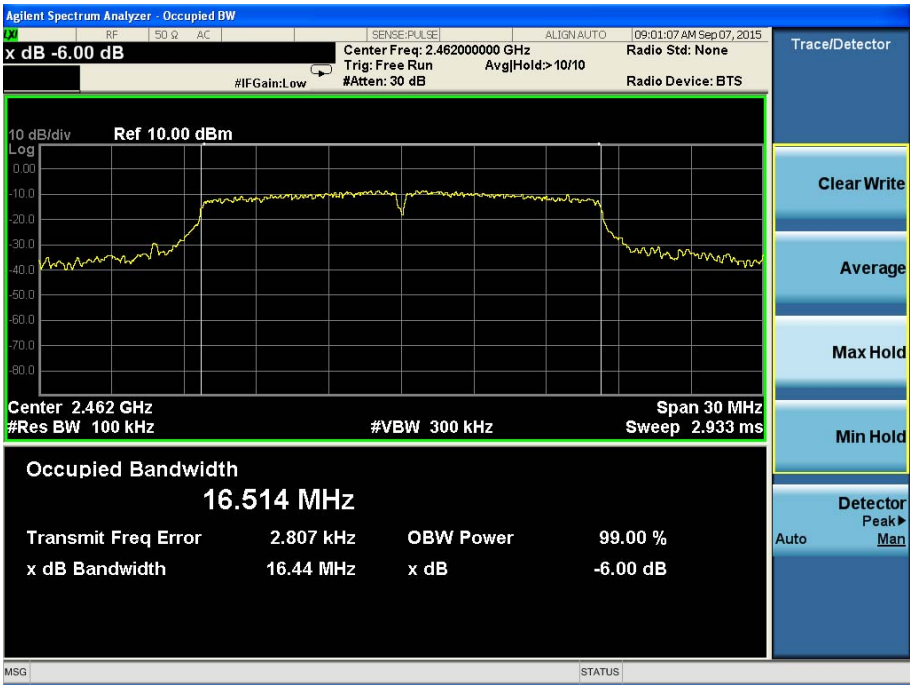
TX CH 01



TX CH 06



TX CH 11

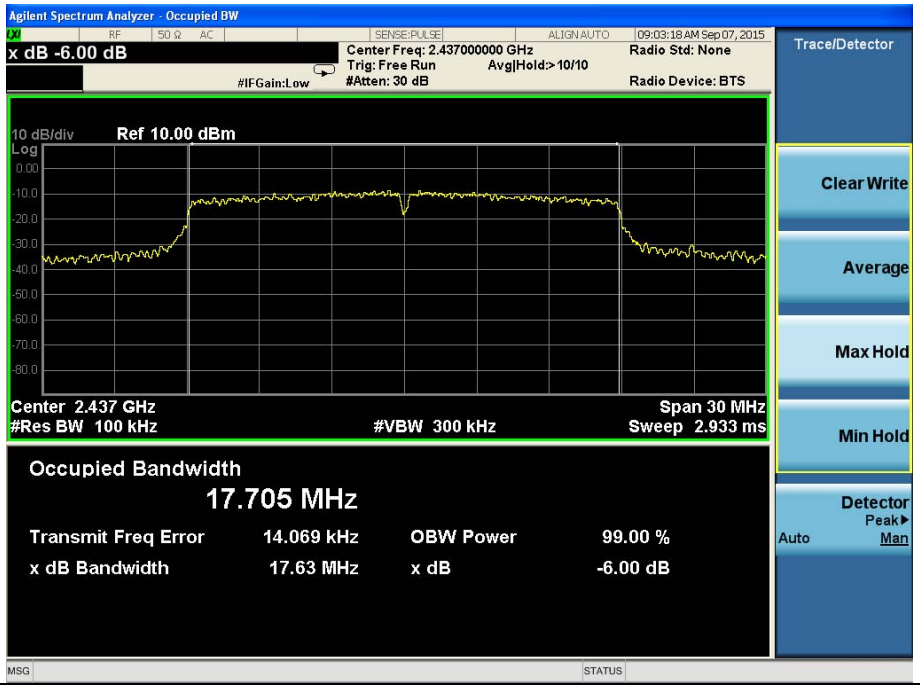


EUT：	Android tv box	Model Name ：	Wetek Core
Temperature：	25℃	Relative Humidity：	60%
Pressure：	1012 hPa	Test Voltage ：	DC 12V from adapter
Test Mode ：	TX n Mode(20M) /CH01, CH06, CH11		

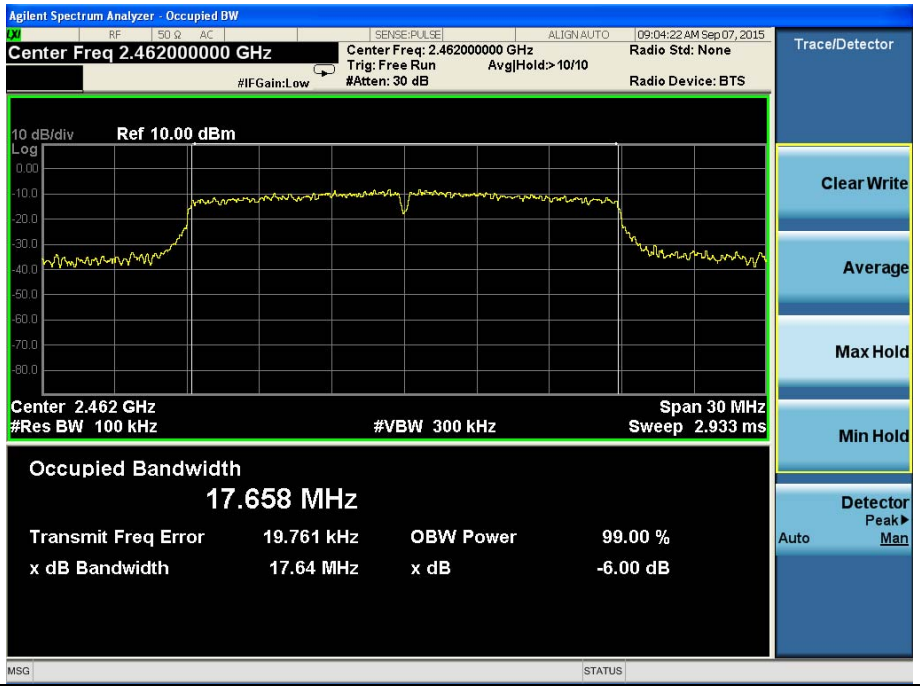
Channel	Frequency (MHz)	6dB bandwidth (MHz)	Limit (kHz)	Result
Low	2412	17.630	500	Pass
Middle	2437	17.630	500	Pass
High	2462	17.640	500	Pass

TX CH 01

TX CH 06



TX CH 11

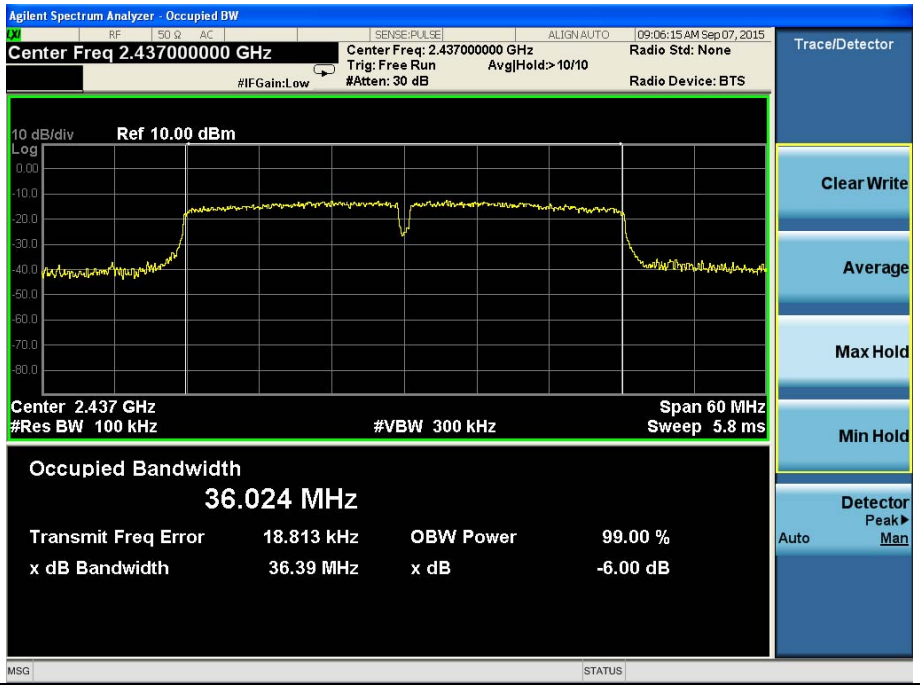


EUT：	Android tv box	Model Name ：	Wetek Core
Temperature：	25℃	Relative Humidity：	60%
Pressure：	1012 hPa	Test Voltage ：	DC 12V from adapter
Test Mode ：	TX n Mode(40M) /CH03, CH06, CH09		

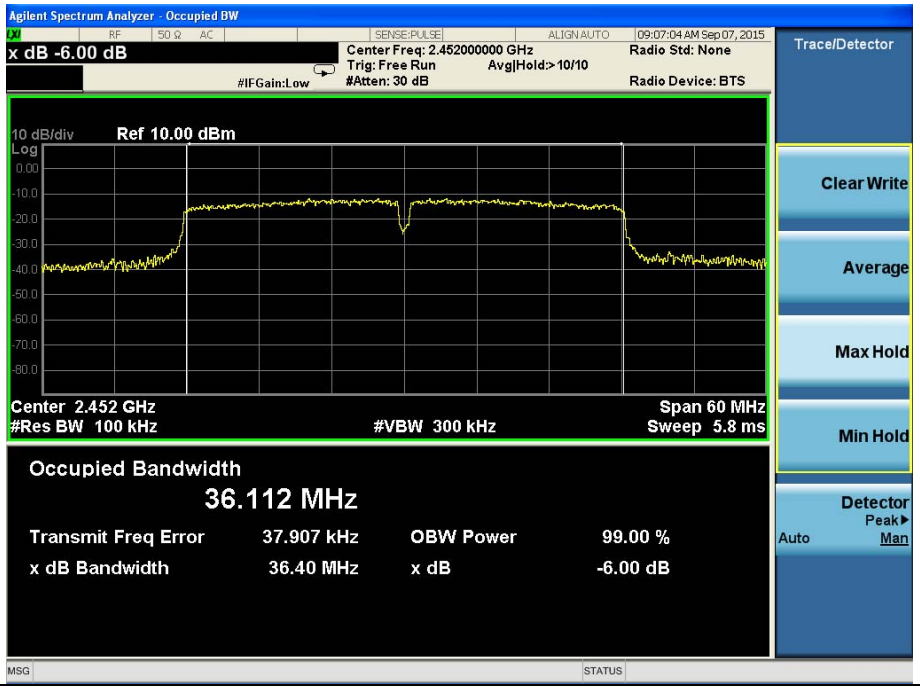
Channel	Frequency (MHz)	6dB bandwidth (MHz)	Limit (kHz)	Result
Low	2422	36.400	500	Pass
Middle	2437	36.390	500	Pass
High	2452	36.400	500	Pass

TX CH 03

TX CH 06



TX CH 09



EUT：	Android tv box	Model Name ：	Wetek Core
Temperature：	25℃	Relative Humidity：	60%
Pressure：	1012 hPa	Test Voltage ：	DC 12V from adapter
Test Mode ：	TX BT /CH00, CH19, CH39		

Channel	Frequency (MHz)	6dB bandwidth (MHz)	Limit (kHz)	Result
Low	2402	668.200	500	Pass
Middle	2440	668.000	500	Pass
High	2480	668.000	500	Pass

TX CH 00

TX CH 19

TX CH 39

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

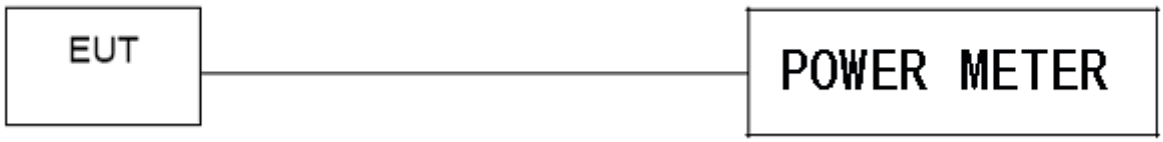
6.1.1 TEST PROCEDURE

a. The EUT was directly connected to the Power meter

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP



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：	Android tv box	Model Name ：	Wetek Core
Temperature：	25℃	Relative Humidity：	60%
Pressure：	1012 hPa	Test Voltage ：	DC 12V from adapter
Test Mode ：	TX b/g/n(20M)		

TX 802.11b Mode			
Test Channe	Frequency	Maximum Conducted Output Power(PK)	LIMIT
	(MHz)	(dBm)	dBm
CH01	2412	16.34	30
CH06	2437	16.15	30
CH11	2462	16.27	30
TX 802.11g Mode			
CH01	2412	14.42	30
CH06	2437	14.57	30
CH11	2462	14.43	30
TX 802.11n-HT20 Mode			
CH01	2412	13.54	30
CH06	2437	13.43	30
CH11	2462	13.38	30
TX 802.11n-HT40 Mode			
CH03	2422	12.87	30
CH06	2437	12.93	30
CH09	2452	12.89	30
TX BT Mode			
CH00	2402	2.94	30
CH19	2440	2.85	30
CH39	2480	2.87	30

7. 100 KHZ BANDWIDTH OF FREQUENCY BAND EDGE

APPLICABLE STANDARD

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

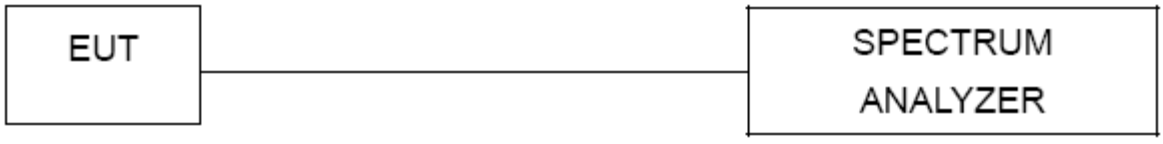
TEST PROCEDURE

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

7.1 DEVIATION FROM STANDARD

No deviation.

7.2 TEST SETUP



7.3 EUT OPERATION CONDITIONS

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

7.4 TEST RESULTS

EUT：	Android tv box	Model Name ：	Wetek Core
Temperature：	25℃	Relative Humidity：	60%
Pressure：	1012 hPa	Test Voltage ：	DC 12V from adapter

Radiated

Modulation Type:	Frequency (MHz)	Antenna polarization (H/V)	Factor (dB)	Emission (dBuV/m)	Band edge Limit (dBuV/m)		Result
				PK	PK	AV	Pass
802.11b	<2400	H	1.42	50.47	74.00	54.00	Pass
	<2400	V	1.39	49.67	74.00	54.00	Pass
	>2483.5	H	1.62	49.51	74.00	54.00	Pass
	>2483.5	V	1.75	50.12	74.00	54.00	Pass
802.11g	<2400	H	1.42	49.73	74.00	54.00	Pass
	<2400	V	1.39	49.45	74.00	54.00	Pass
	>2483.5	H	1.62	49.77	74.00	54.00	Pass
	>2483.5	V	1.75	50.19	74.00	54.00	Pass
802.11n20	<2400	H	1.42	50.24	74.00	54.00	Pass
	<2400	V	1.39	49.72	74.00	54.00	Pass
	>2483.5	H	1.62	49.56	74.00	54.00	Pass
	>2483.5	V	1.75	50.25	74.00	54.00	Pass
802.11n40	<2400	H	1.42	50.03	74.00	54.00	Pass
	<2400	V	1.39	49.66	74.00	54.00	Pass
	>2483.5	H	1.62	49.71	74.00	54.00	Pass
	>2483.5	V	1.75	50.30	74.00	54.00	Pass

Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
If peak level below the average limit, the average level was no recording.

802.11b: Band Edge, Left Side

802.11b: Band Edge, Right Side

802.11g: Band Edge, Left Side

802.11g: Band Edge, Right Side

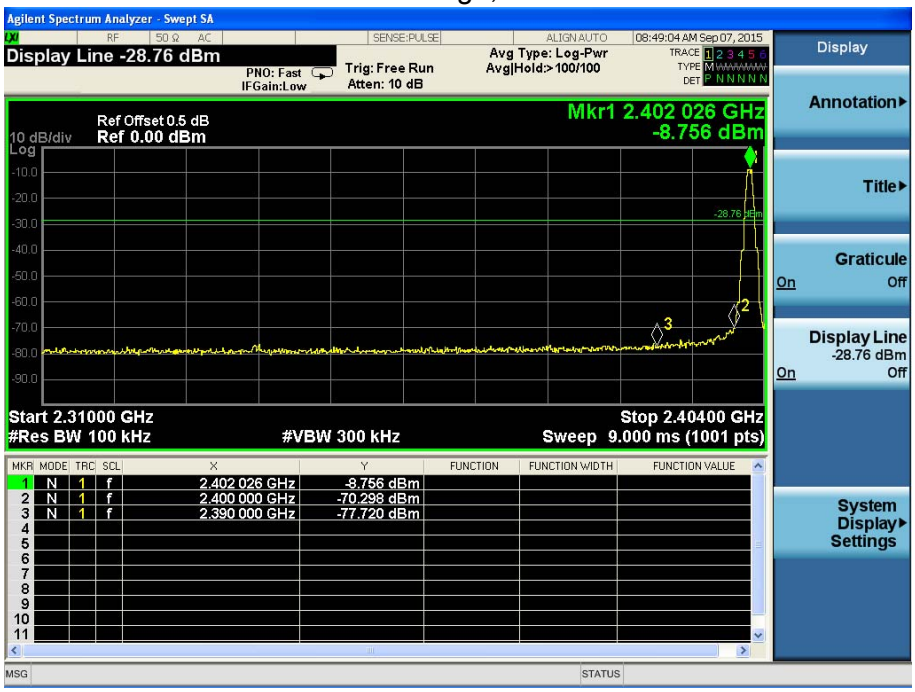
802.11n-HT20: Band Edge, Left Side

802.11n-HT20: Band Edge, Right Side

802.11n-HT40: Band Edge, Left Side

802.11n-HT40: Band Edge, Right Side

BT: Band Edge, Left Side



BT: Band Edge, Right Side

8. ANTENNA REQUIREMENT

8.1 STANDARD REQUIREMENT

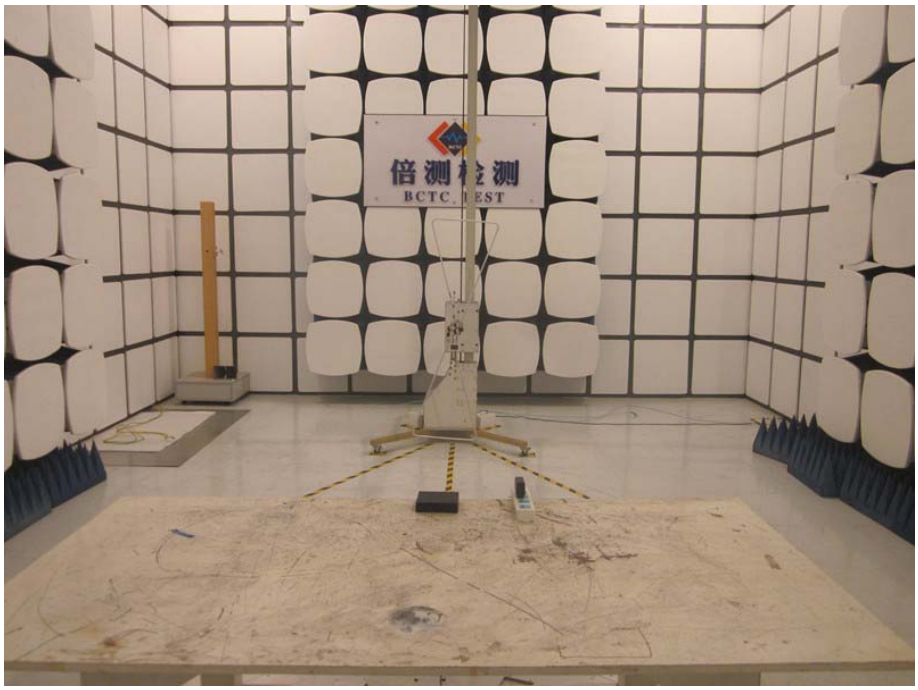
15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

8.2 EUT ANTENNA

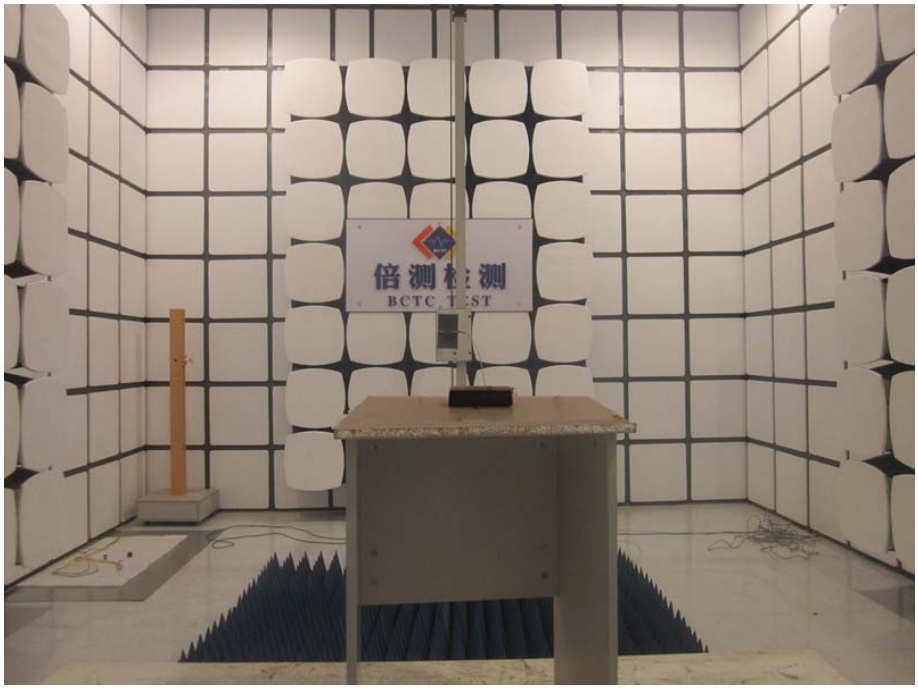
The EUT antenna is internal antenna,. It comply with the standard requirement.

9. EUT TEST PHOTO

Radiated Measurement Photos



Radiated Measurement Photos



Conducted Measurement Photos

10. EUT PHOTO

※ ※ ※ ※ ※ **END OF REPORT** ※ ※ ※ ※ ※