4.1.5 TEST RESULTS

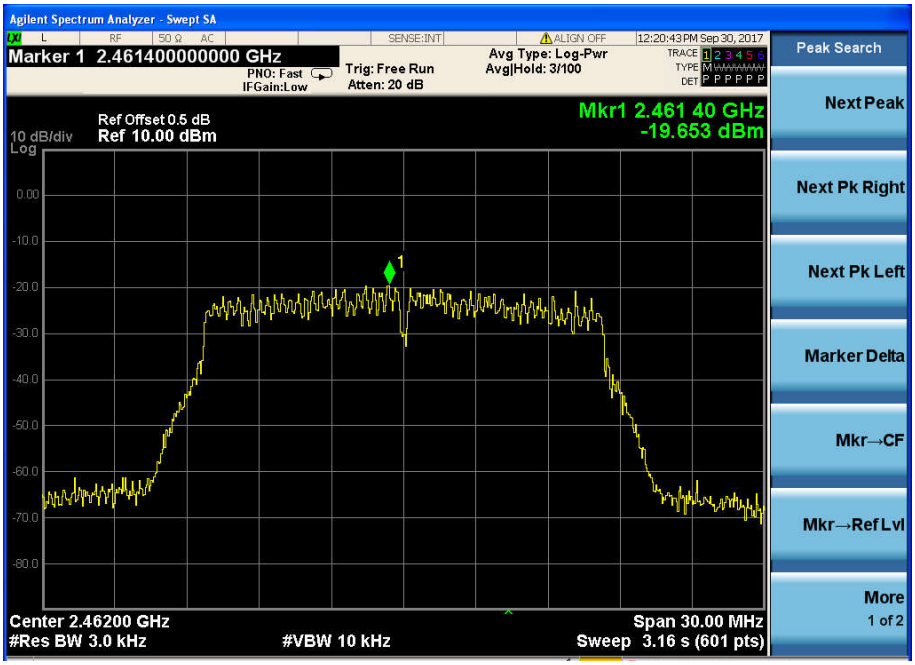
EUT :	Smart Mirror	Model Name :	RVM740SM
Temperature :	25℃	Relative Humidity :	55%
Pressure :	1015 hPa	Test Voltage :	DC 12V
Test Mode :	TX b Mode /CH01, CH06, CH11		

Frequency	Power Density (dBm)	Limit (dBm)	Result
2412 MHz	-14.286	8	PASS
2437 MHz	-9.648	8	PASS
2462 MHz	-19.653	8	PASS

TX CH01

TX CH06

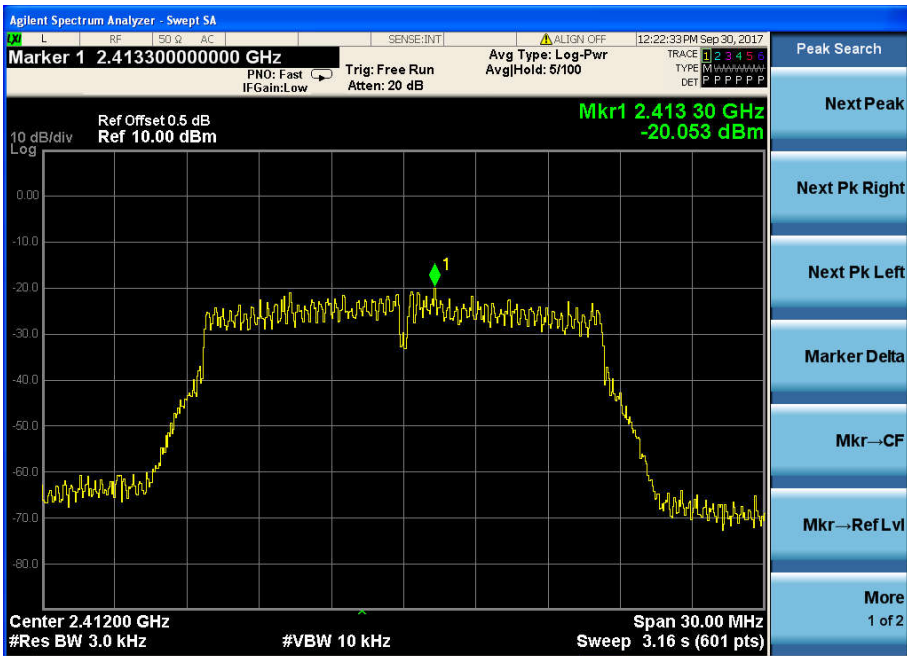
TX CH11



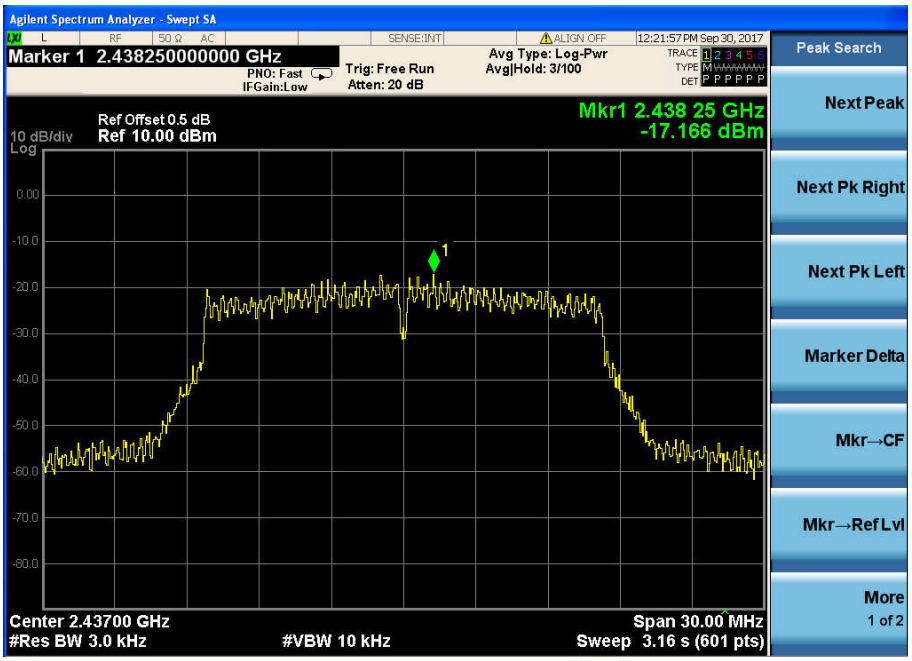
EUT：	Smart Mirror	Model Name ：	RVM740SM
Temperature：	25℃	Relative Humidity：	55%
Pressure：	1015 hPa	Test Voltage ：	DC 12V
Test Mode ：	TX g Mode /CH01, CH06, CH11		

Frequency	Power Density (dBm)	Limit (dBm)	Result
2412 MHz	-20.053	8	PASS
2437 MHz	-17.166	8	PASS
2462 MHz	-19.653	8	PASS

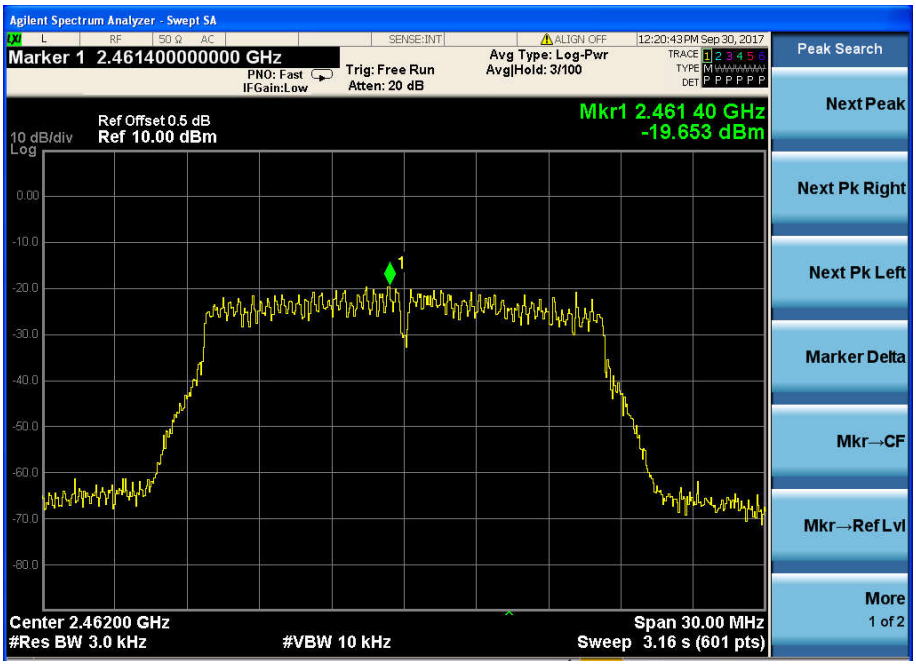
TX CH01



TX CH06



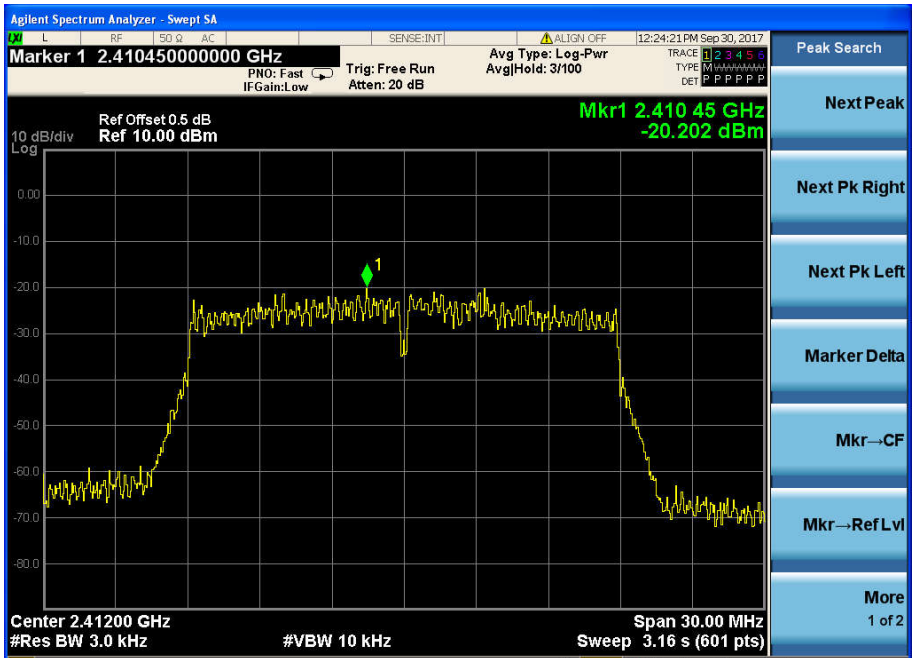
TX CH11



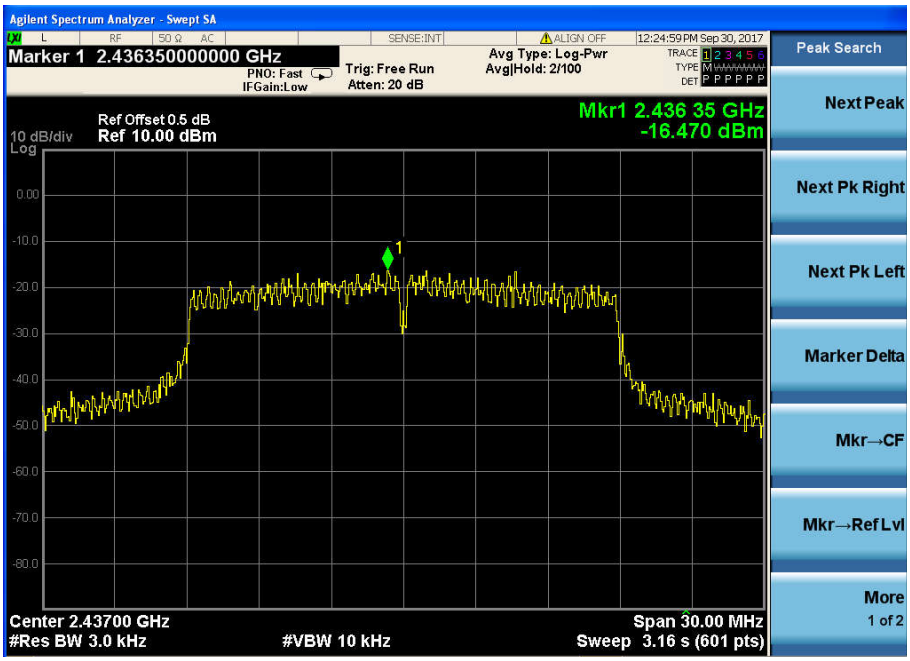
EUT：	Smart Mirror	Model Name ：	RVM740SM
Temperature：	25℃	Relative Humidity：	55%
Pressure：	1015 hPa	Test Voltage ：	DC 12V
Test Mode ：	TX n20 Mode /CH01, CH06, CH11		

Frequency	Power Density (dBm)	Limit (dBm)	Result
2412 MHz	-20.202	8	PASS
2437 MHz	-16.470	8	PASS
2462 MHz	-19.895	8	PASS

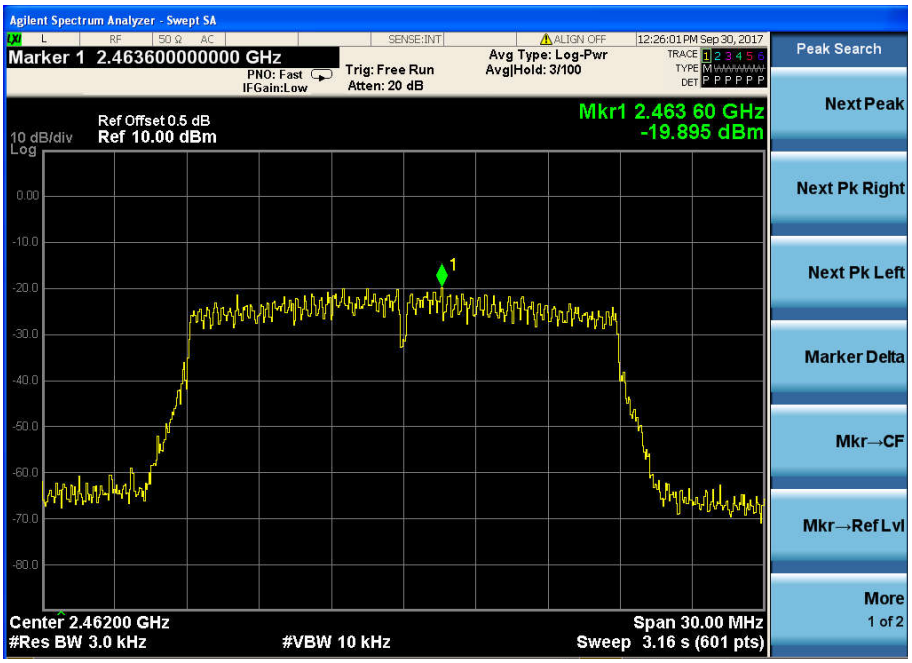
TX CH01



TX CH06



TX CH11



5. 6DB EMISSION BANDWIDTH & 99% OCCUPIED BANDWIDTH

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

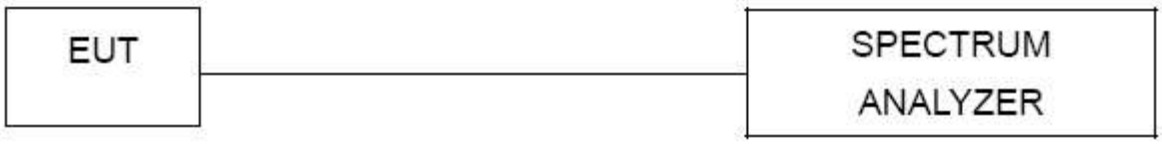
5.1.1 TEST PROCEDURE

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) 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

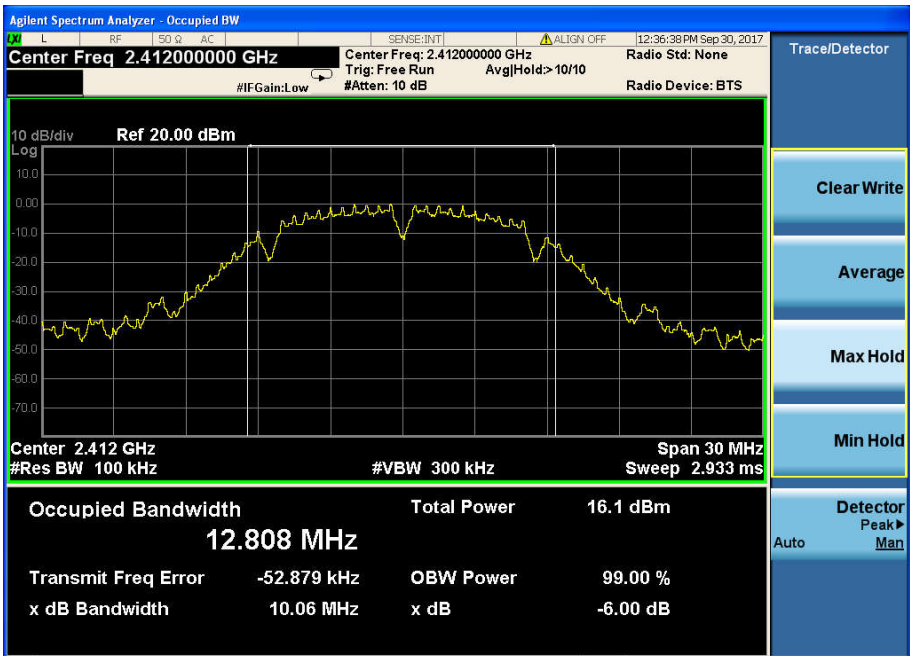
The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

5.1.5 TEST RESULTS

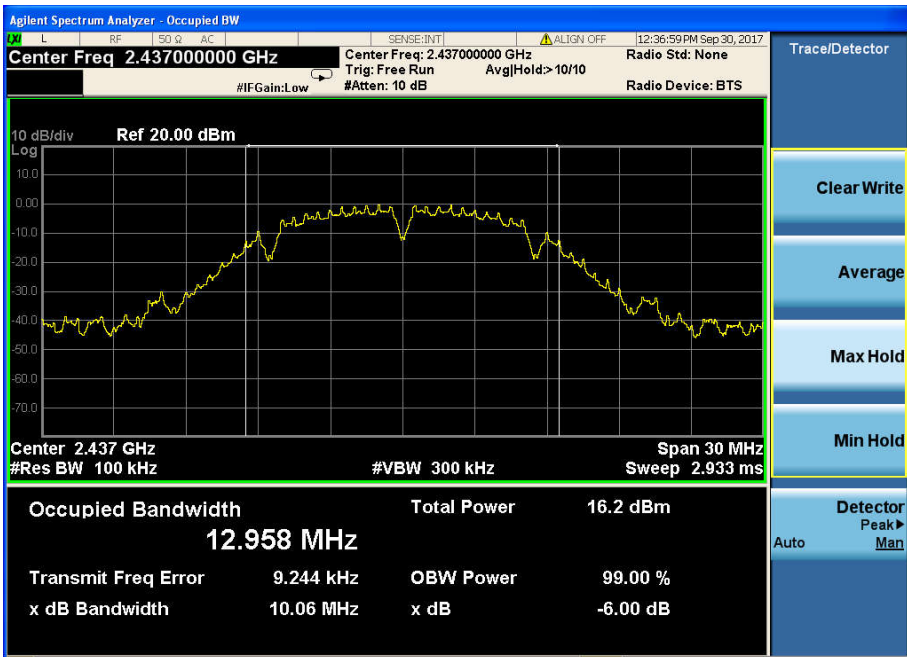
EUT：	Smart Mirror	Model Name ：	RVM740SM
Temperature：	25℃	Relative Humidity：	55%
Pressure：	1012 hPa	Test Voltage ：	DC 12V
Test Mode ：	TX b Mode /CH01, CH06, CH11		

Channel	Frequency (MHz)	6dB bandwidth (MHz)	99% bandwidth (MHz)	Limit (kHz)	Result
Low	2412	10.06	/	500	Pass
Middle	2437	10.06	/	500	Pass
High	2462	10.06	/	500	Pass

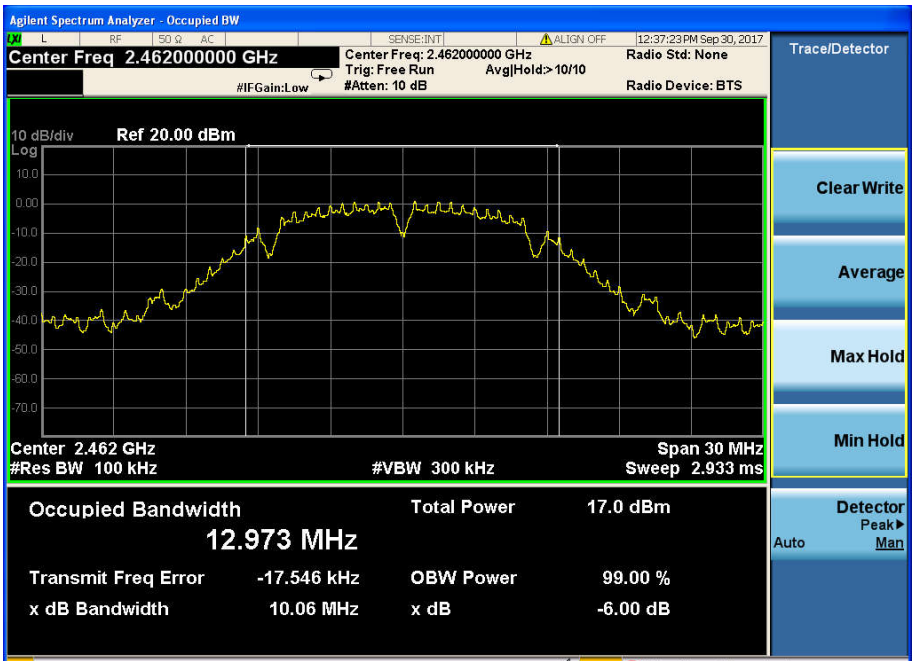
TX CH 01



TX CH 06



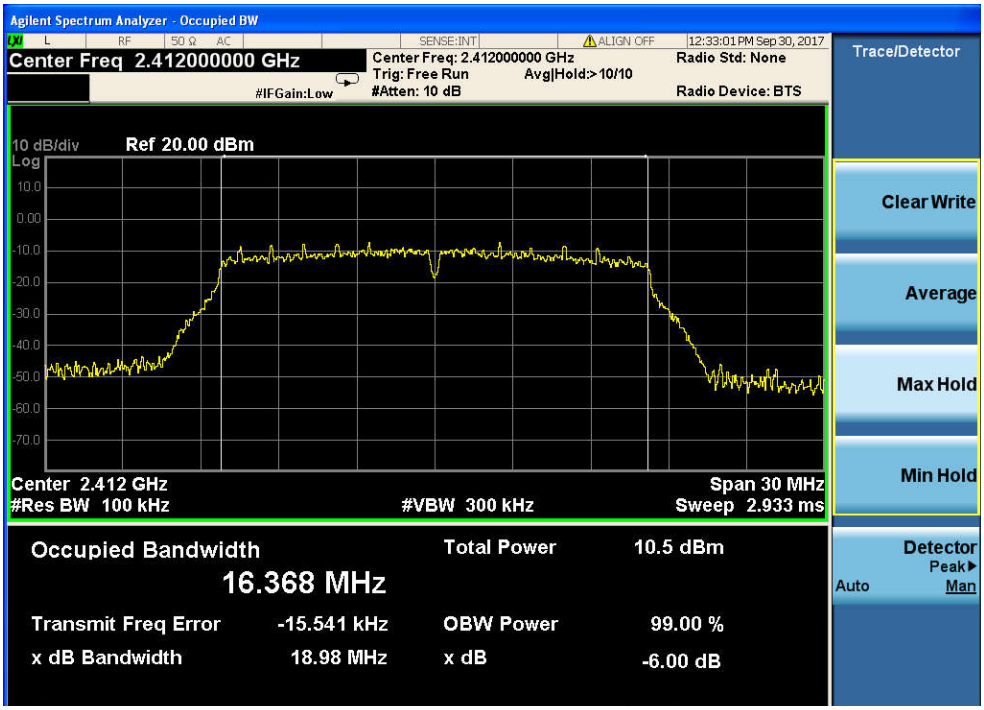
TX CH 11



EUT：	Smart Mirror	Model Name ：	RVM740SM
Temperature：	25℃	Relative Humidity：	55%
Pressure：	1012 hPa	Test Voltage ：	DC 12V
Test Mode ：	TX g Mode /CH01, CH06, CH11		

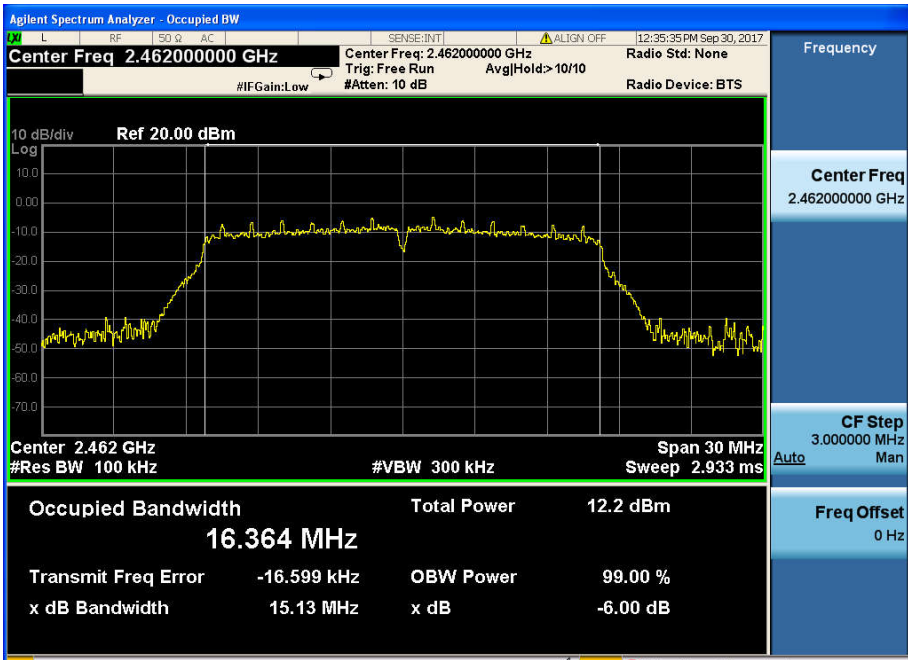
Channel	Frequency (MHz)	6dB bandwidth (MHz)	99% bandwidth (MHz)	Limit (kHz)	Result
Low	2412	18.98	/	500	Pass
Middle	2437	15.17	/	500	Pass
High	2462	15.13	/	500	Pass

TX CH 01



TX CH 06

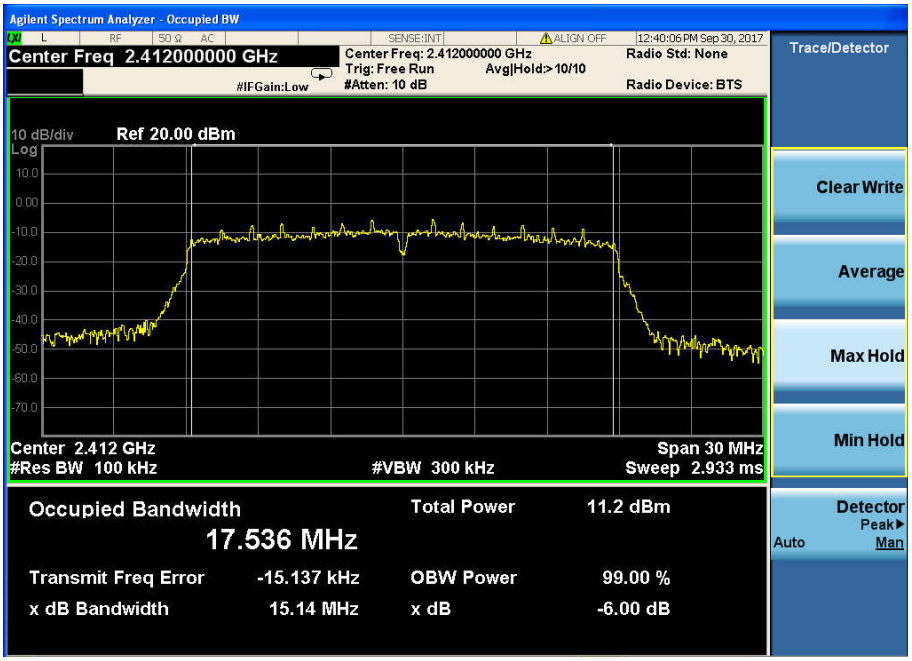
TX CH 11



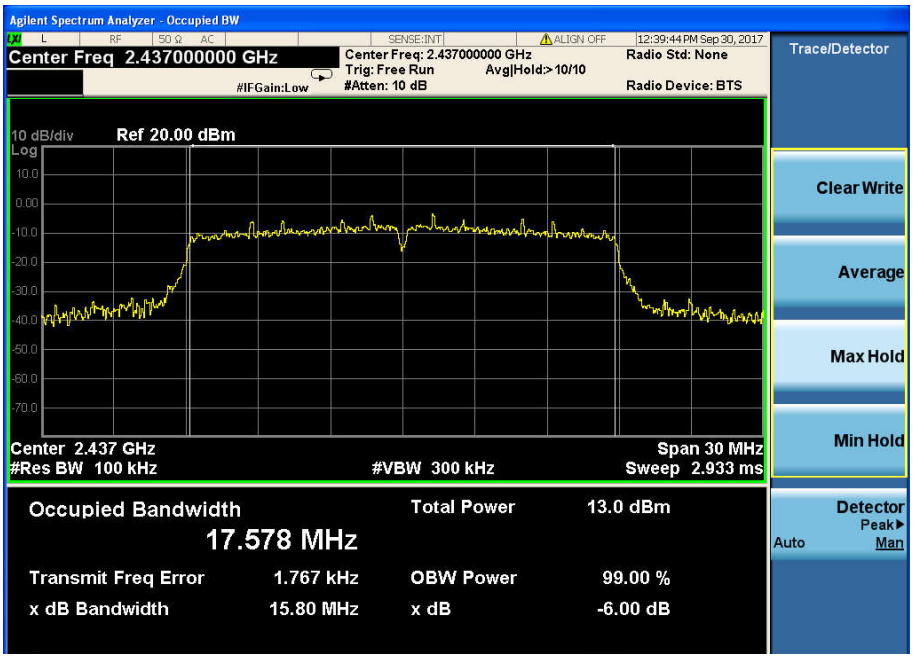
EUT：	Smart Mirror	Model Name ：	RVM740SM
Temperature：	25℃	Relative Humidity：	55%
Pressure：	1012 hPa	Test Voltage ：	DC12Vfrom adapter
Test Mode ：	TX n20 Mode /CH01, CH06, CH11		

Channel	Frequency (MHz)	6dB bandwidth (MHz)	99% bandwidth (MHz)	Limit (kHz)	Result
Low	2412	15.14	/	500	Pass
Middle	2437	15.80	/	500	Pass
High	2462	16.10	/	500	Pass

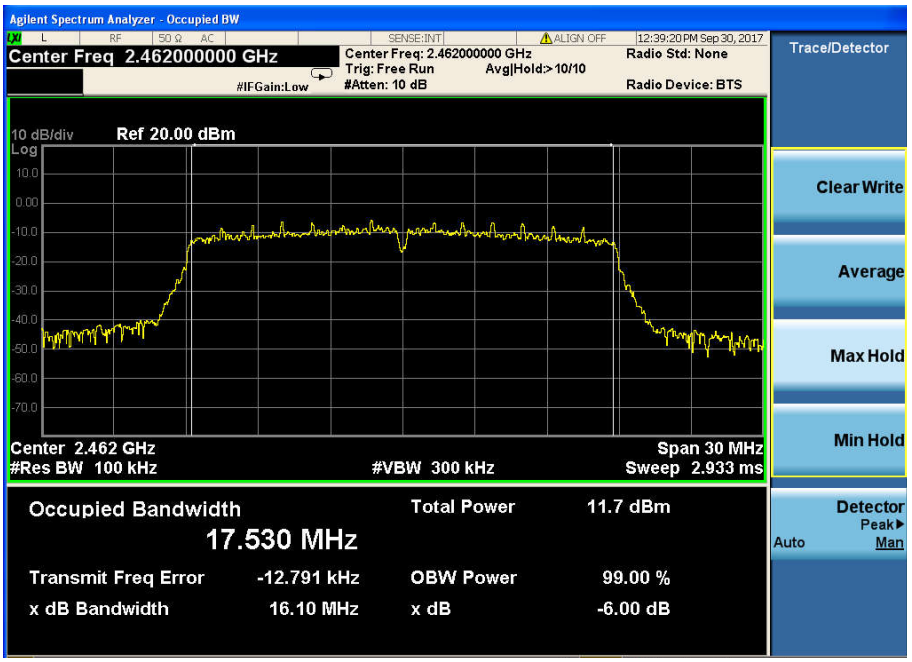
TX CH 01



TX CH 06



TX CH 11



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

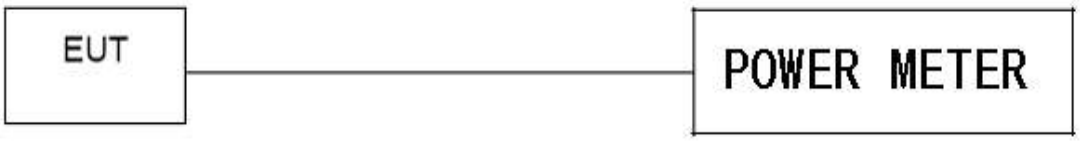
6.1.1 TEST PROCEDURE

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：	Smart Mirror	Model Name ：	RVM740SM
Temperature：	25℃	Relative Humidity：	55%
Pressure：	1012 hPa	Test Voltage ：	DC 12V
Test Mode ：	TX b/g/n Mode /CH01, CH06, CH11		

Test Channe	Frequency	Maximum Conducted Output Power(PK) (dBm)	LIMIT
	(MHz)	**TX 802.11b Mode**	dBm
CH01	2412	18.36	30
CH06	2437	17.64	30
CH11	2462	18.65	30
TX 802.11g Mode			
CH01	2412	17.56	30
CH06	2437	18.42	30
CH11	2462	17.43	30
TX 802.11n20 Mode			
CH01	2412	16.49	30
CH06	2437	17.65	30
CH11	2462	18.46	30

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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

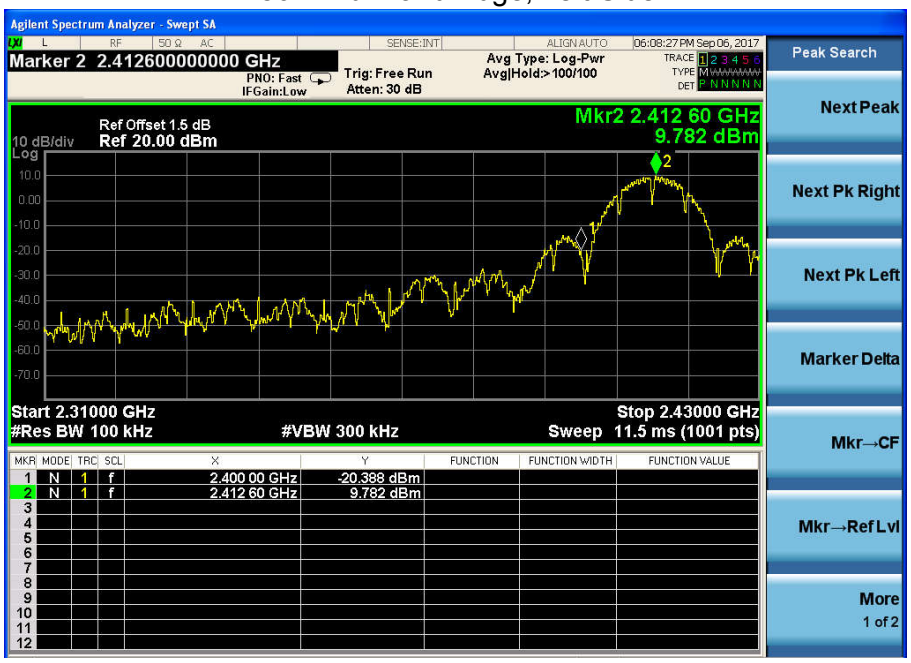
The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

7.4 TEST RESULTS

EUT：	Smart Mirror	Model Name ：	RVM740SM
Temperature：	25℃	Relative Humidity：	55%
Pressure：	1012 hPa	Test Voltage ：	DC 12V

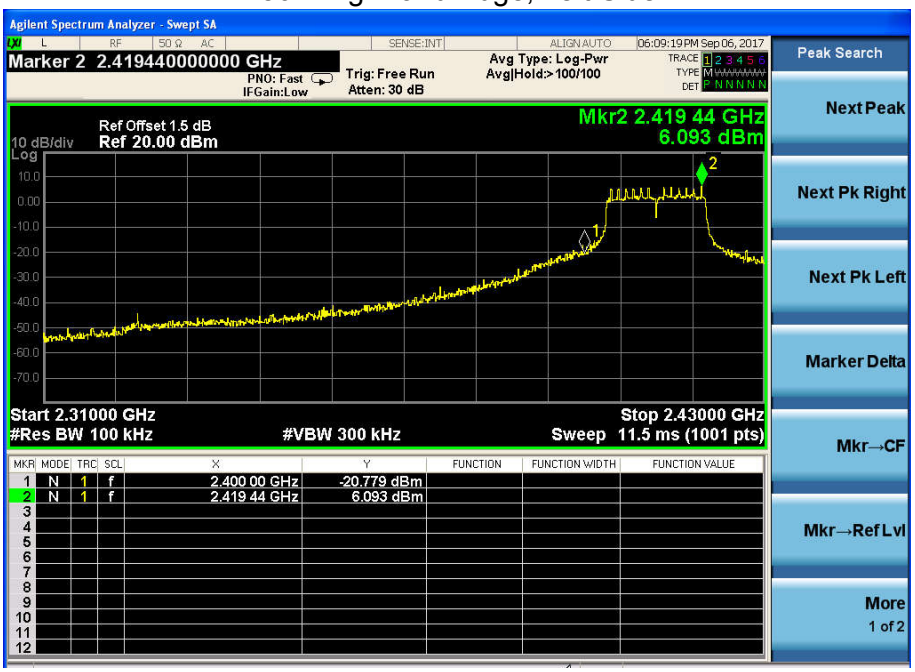
Frequency Band	Delta Peak to band emission (dBc)	> Limit (dBc)	Result
802.11b mode			
Left-band	30.17	20	Pass
Right-band	53.613	20	Pass
802.11g mode			
Left-band	26.872	20	Pass
Right-band	44.784	20	Pass
802.11n20 mode			
Left-band	27.016	20	Pass
Right-band	46.981	20	Pass

802.11b: Band Edge, Left Side



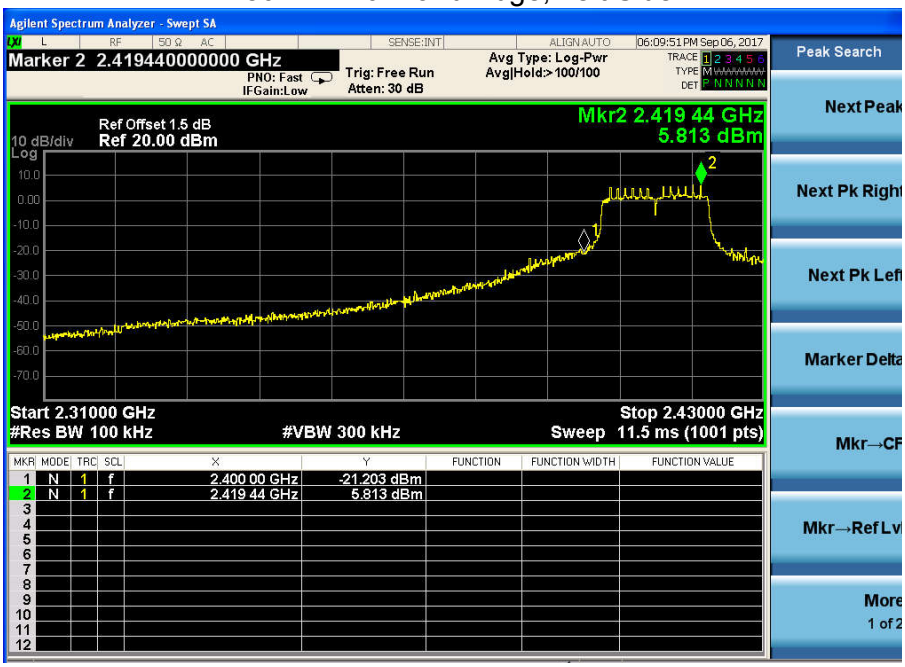
802.11b: Band Edge, Right Side

802.11g: Band Edge, Left Side



802.11g: Band Edge, Right Side

802.11n20: Band Edge, Left Side



802.11n20: 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 PCB antenna. It comply with the standard requirement. In case of replacement of broken antenna the same antenna type must be used.

----END OF REPORT----