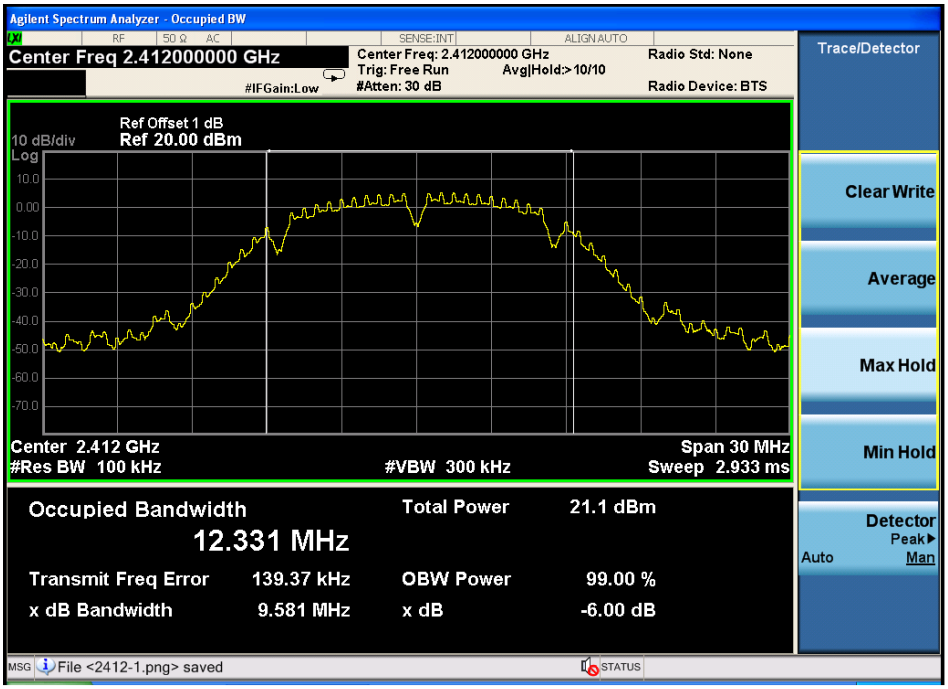
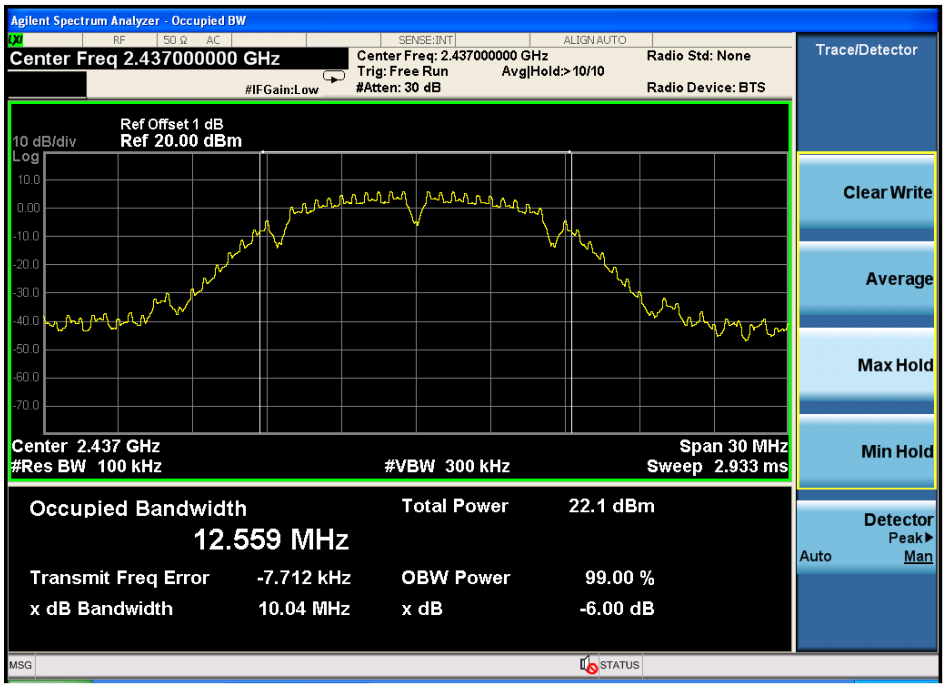
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11b:					
Low	2412	9.58	12.331	0.5	PASS
Mid	2437	10.04	12.559	0.5	PASS
High	2462	9.59	12.603	0.5	PASS
IEEE 802.11g					
Low	2412	15.35	16.382	0.5	PASS
Mid	2437	15.49	16.417	0.5	PASS
High	2462	15.75	16.449	0.5	PASS
IEEE 802.11n/HT20:					
Low	2412	17.39	17.635	0.5	PASS
Mid	2437	17.65	17.675	0.5	PASS
High	2462	17.23	17.673	0.5	PASS
IEEE 802.11n/HT40:					
Low	2422	35.21	35.873	0.5	PASS
Mid	2437	35.29	36.051	0.5	PASS
High	2452	35.50	35.847	0.5	PASS

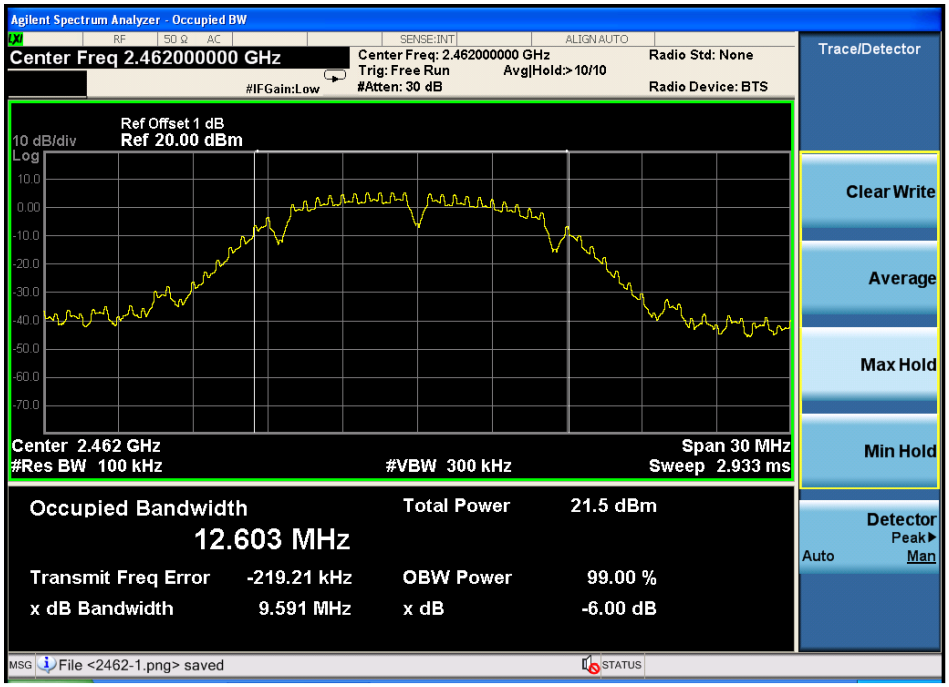
IEEE 802.11b:
CH Low :



CH Mid :

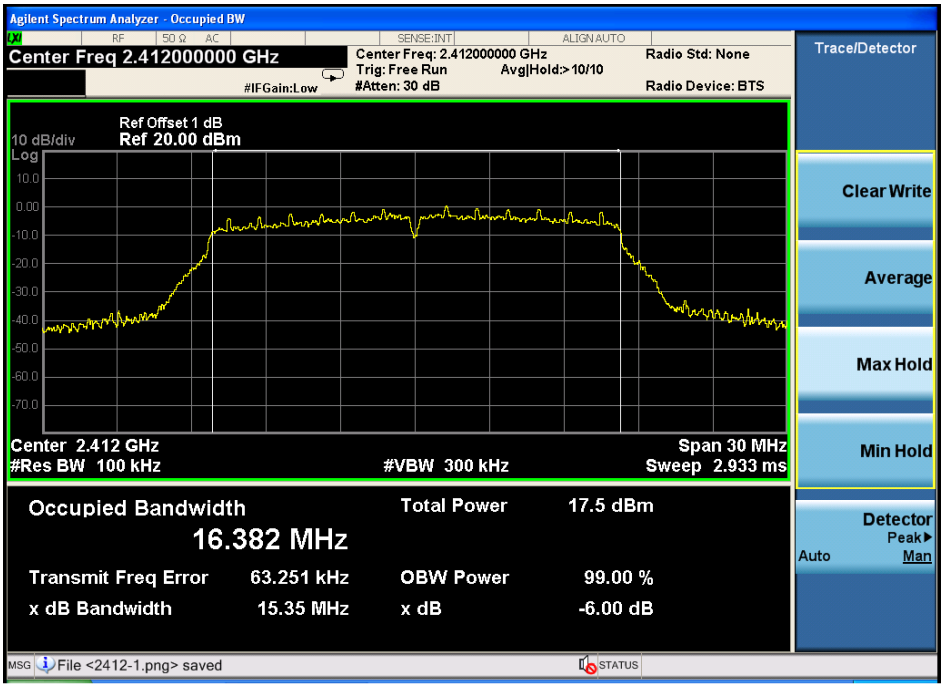


CH High :

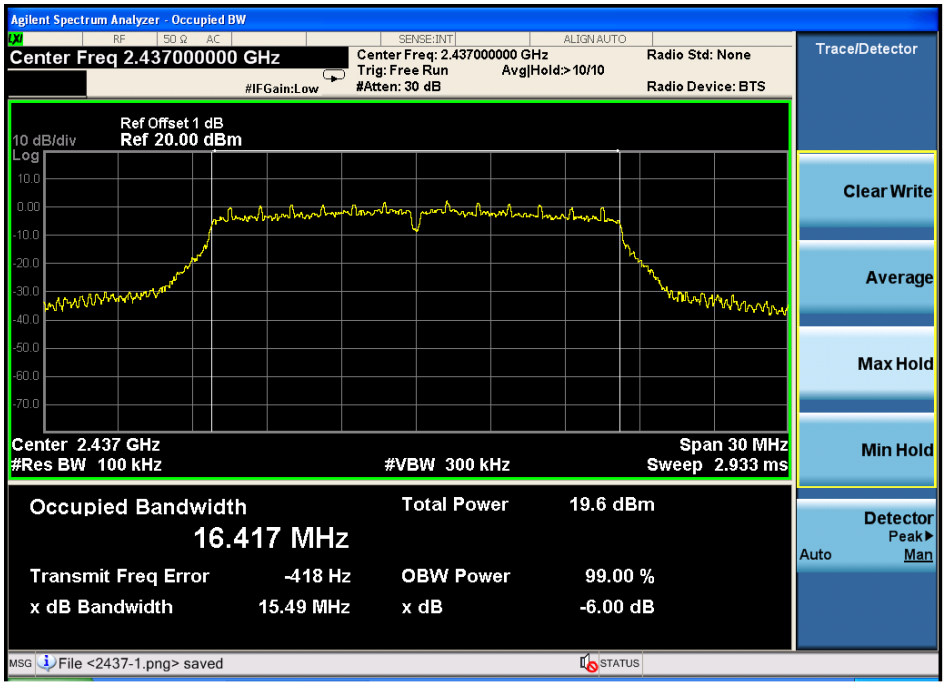


IEEE 802.11g:

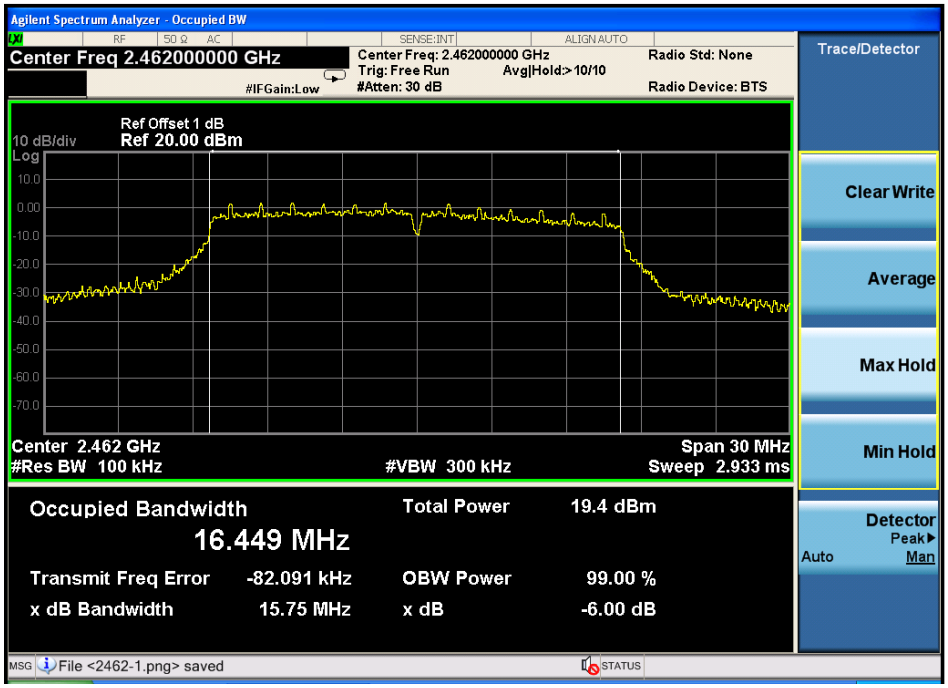
CH Low :



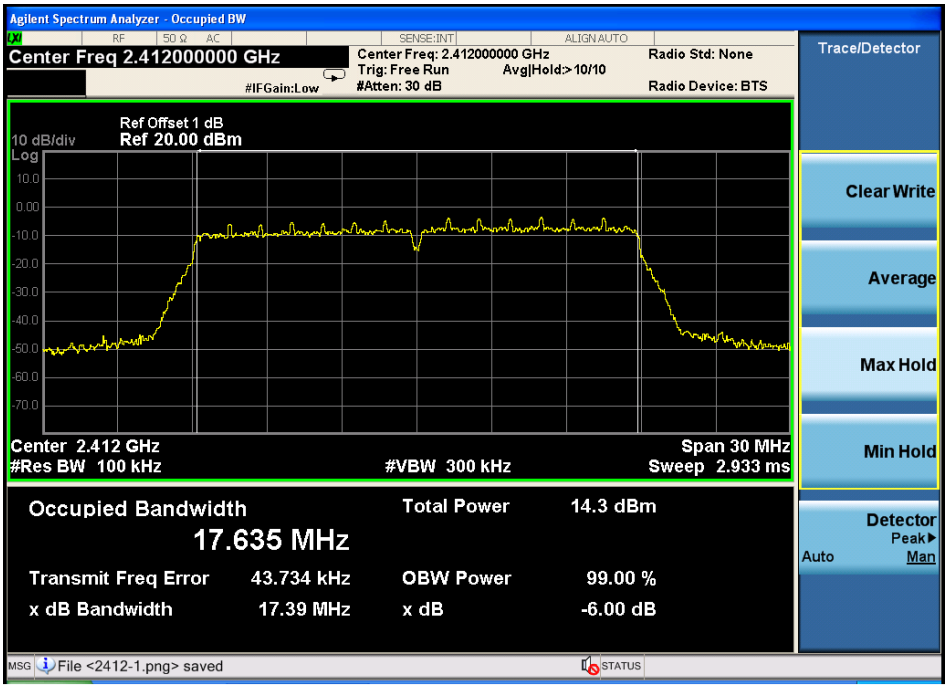
CH Mid:


Agilent Spectrum Analyzer - Occupied BW
Center Freq 2.437000000 GHz
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 30 dB
#IFGain:Low
Radio Std: None
Radio Device: BTS
Trace/Detector
Ref Offset 1 dB
10 dB/div
Ref 20.00 dBm
Log
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 2.437 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 30 MHz
Sweep 2.933 ms
Occupied Bandwidth
16.417 MHz
Total Power 19.6 dBm
Transmit Freq Error -418 Hz
OBW Power 99.00 %
x dB Bandwidth 15.49 MHz
x dB -6.00 dB
Clear Write
Average
Max Hold
Min Hold
Detector
Peak
Auto
Man
MSG
File <2437-1.png> saved
STATUS

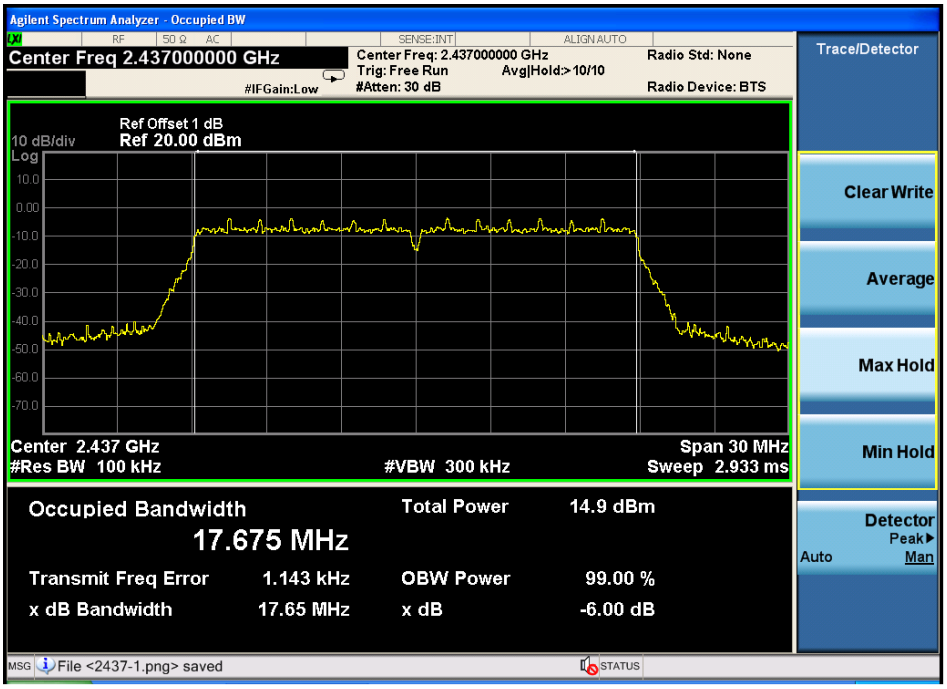
CH Hig:


Agilent Spectrum Analyzer - Occupied BW
Center Freq 2.462000000 GHz
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 30 dB
#IFGain:Low
Radio Std: None
Radio Device: BTS
Trace/Detector
Ref Offset 1 dB
10 dB/div
Ref 20.00 dBm
Log
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 2.462 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 30 MHz
Sweep 2.933 ms
Occupied Bandwidth
16.449 MHz
Total Power 19.4 dBm
Transmit Freq Error -82.091 kHz
OBW Power 99.00 %
x dB Bandwidth 15.75 MHz
x dB -6.00 dB
Clear Write
Average
Max Hold
Min Hold
Detector
Peak
Auto
Man
MSG
File <2462-1.png> saved
STATUS

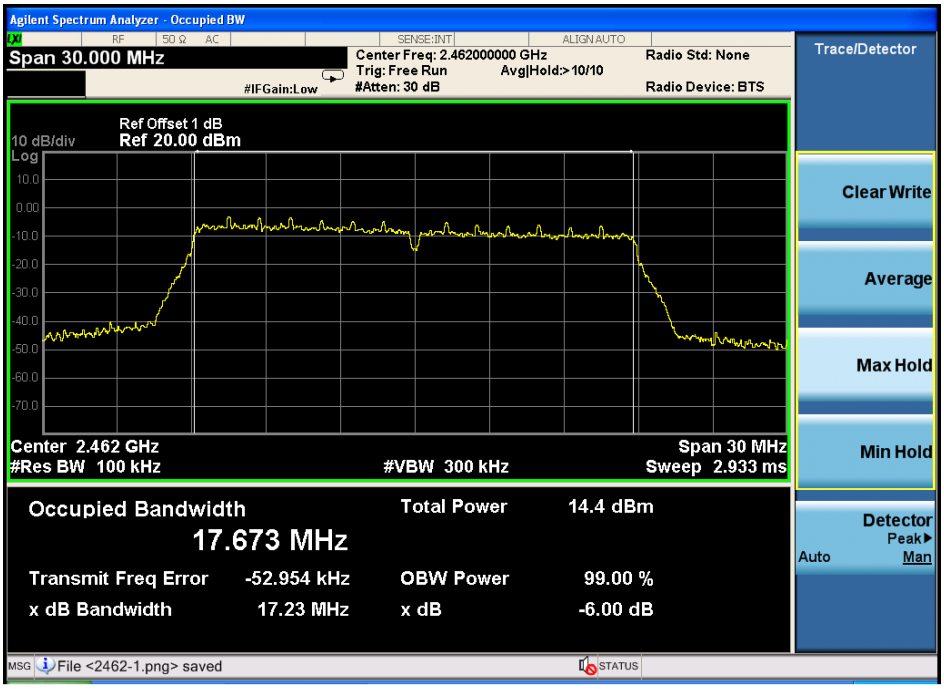
IEEE 802.11n HT20:
CH Low :



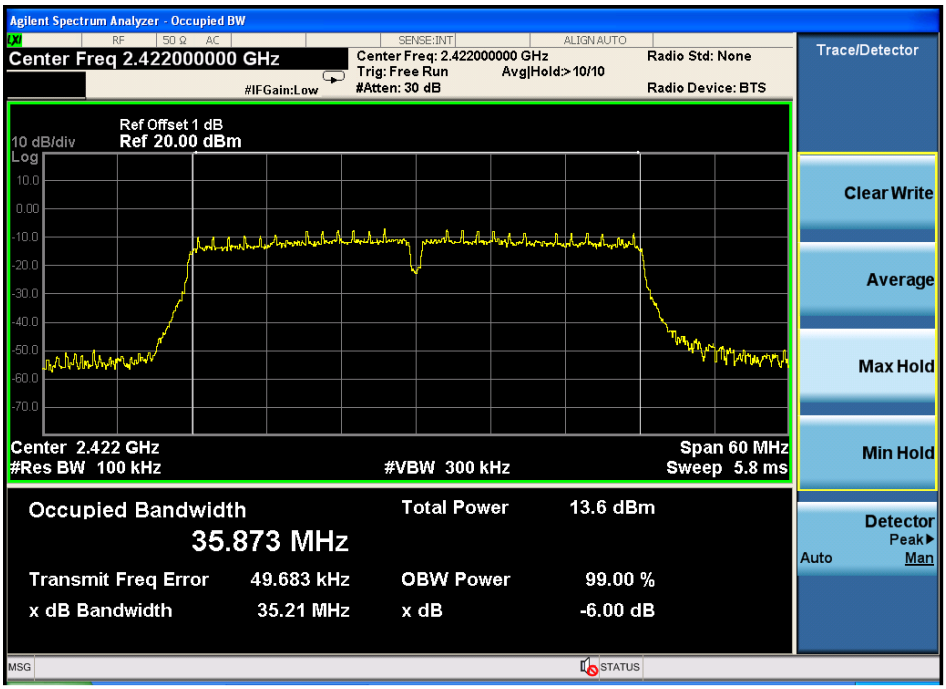
CH Mid :



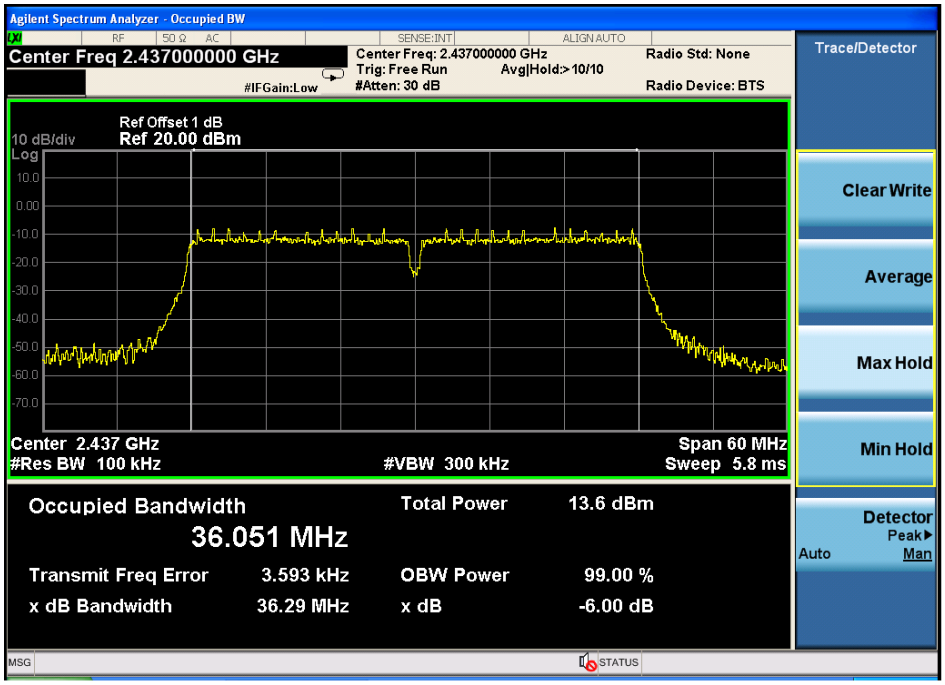
CH High :



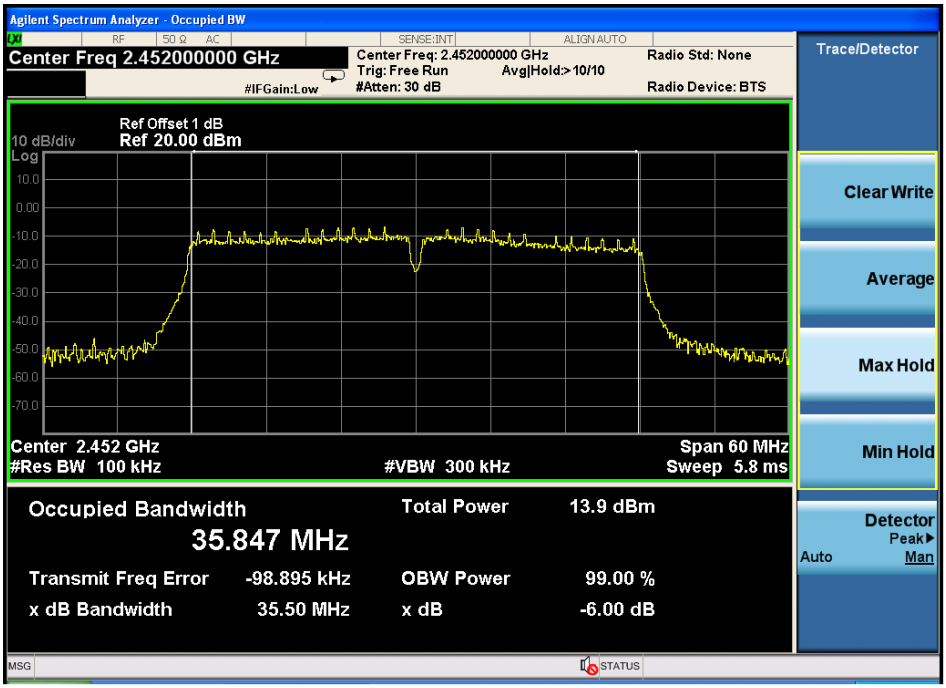
IEEE 802.11n/HT40:
CH Low :



CH Mid:



CH High :



10 Band Edge Check

10.1 Test limit

Please refer section15.247

All the lower and upper band-edges emissions appearing within 2310MHz to 2390MHz and 2483.5MHz to 2500MHz restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions outside operation frequency band 2400MHz to 2483.5MHz and 5725MHz to 5850MHz shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

10.2 Test Procedure

12.2.1 Put the EUT on a 0.8m high table, power on the EUT. Emissions were scanned and measured rotating the EUT to 360 degrees, Find the maximum Emission

12.2.2 Check the spurious emissions out of band.

12.2.3 RBW 1MHz ,VBW 3MHz, peak detector for peak value , RBW 1MHz ,VBW 10Hz , RMS detector for AV value.

10.3 Test Setup

Same as 5.2.2.

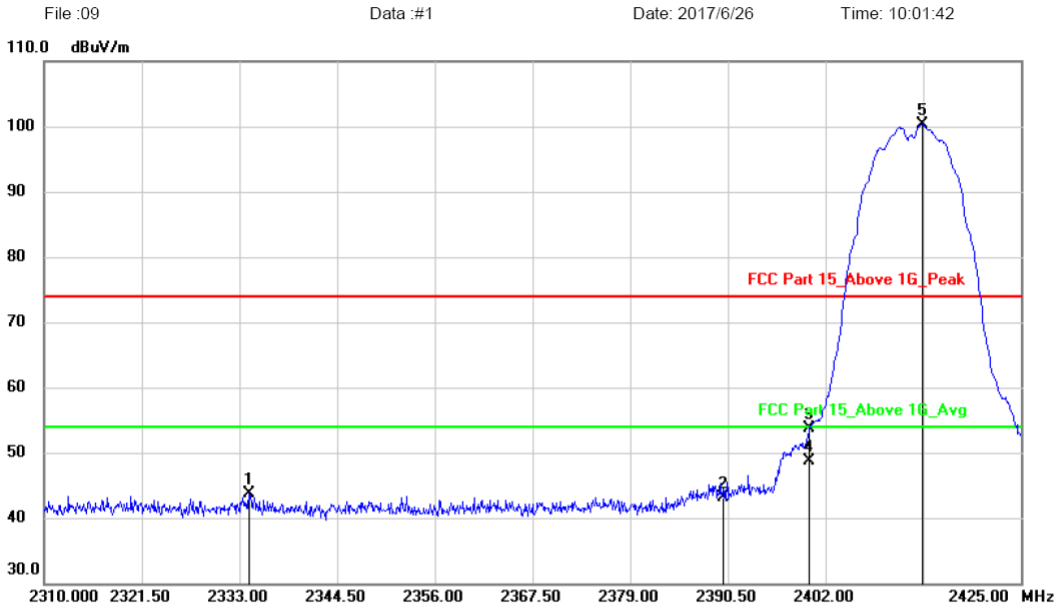
10.4 Test Result

PASS.

Detailed information please see the following page.

Site LAB	Polarization: *Vertical*	Temperature:	23.9
Limit: FCC Part 15_Above 1G_Peak	Power:	Humidity:	46 %
EUT:	Distance: 3m		
M/N:			
Mode:802.11b low channel			
Note:			
Engineer Signature:			

Radiated Emission Measurement

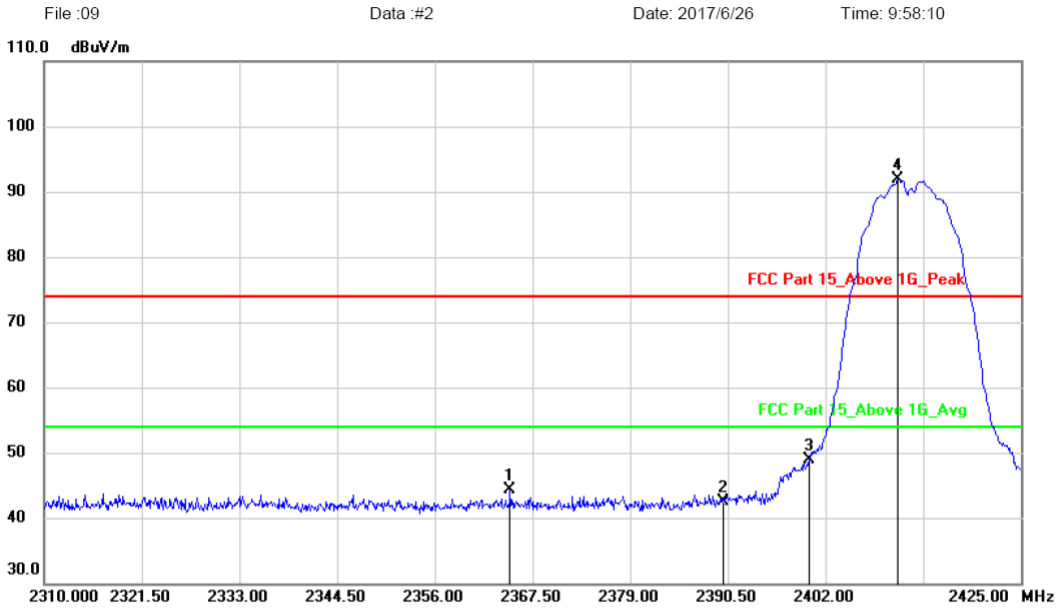


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2334.150	47.09	-3.34	43.75	74.00	-30.25	peak			
2		2390.000	46.56	-3.40	43.16	74.00	-30.84	peak			
3		2400.000	57.07	-3.41	53.66	74.00	-20.34	peak			
4		2400.000	52.07	-3.41	48.66	54.00	-5.34	AVG			
5	*	2413.385	103.67	-3.41	100.26	74.00	26.26	peak			

Note:1. *:Maximum data; x:Over limit; !:over margin.
2.Measurement=Reading Level+Correct Factor; Correct Factor=Antenna Factor+Cable Loss.

Site LAB	Polarization: ***Horizontal***	Temperature: 23.9
Limit: FCC Part 15_Above 1G_Peak	Power:	Humidity: 46 %
EUT:	Distance: 3m	
M/N:		
Mode:802.11b low channel		
Note:		
Engineer Signature:		

Radiated Emission Measurement

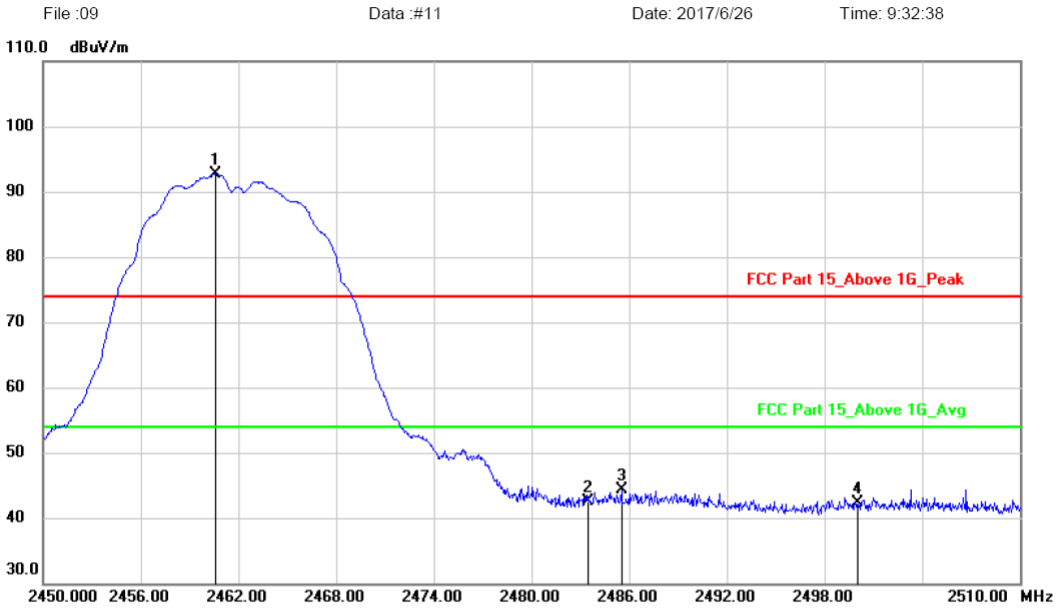


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2364.855	47.63	-3.38	44.25	74.00	-29.75	peak			
2		2390.000	45.93	-3.40	42.53	74.00	-31.47	peak			
3		2400.000	52.28	-3.41	48.87	74.00	-25.13	peak			
4	*	2410.510	95.26	-3.40	91.86	74.00	17.86	peak			

Note:1. *:Maximum data; x:Over limit; !:over margin.
2.Measurement=Reading Level+Correct Factor; Correct Factor=Antenna Factor+Cable Loss.

Site LAB	Polarization: ***Vertical***	Temperature: 23.9
Limit: FCC Part 15_Above 1G_Peak	Power:	Humidity: 46 %
EUT:	Distance: 3m	
M/N:		
Mode:802.11b high channel		
Note:		
Engineer Signature:		

Radiated Emission Measurement



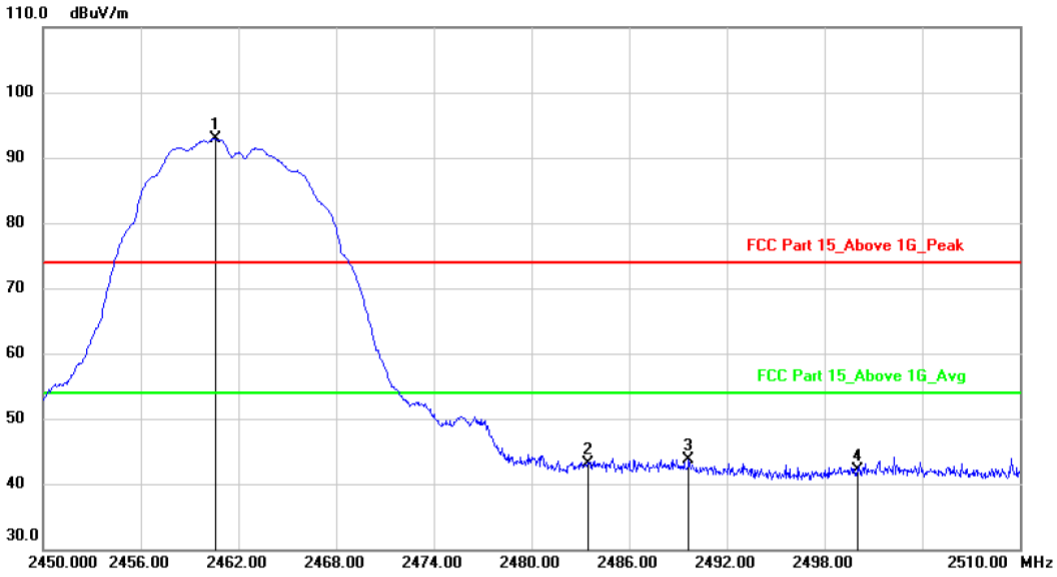
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	2460.620	96.11	-3.39	92.72	74.00	18.72	peak			
2		2483.500	45.90	-3.38	42.52	74.00	-31.48	peak			
3		2485.520	47.74	-3.38	44.36	74.00	-29.64	peak			
4		2500.000	45.58	-3.38	42.20	74.00	-31.80	peak			

Note:1. *:Maximum data; x:Over limit; !:over margin.
2.Measurement=Reading Level+Correct Factor; Correct Factor=Antenna Factor+Cable Loss.

Site LAB	Polarization: ***Horizontal***	Temperature: 23.9
Limit: FCC Part 15_Above 1G_Peak	Power:	Humidity: 46 %
EUT:	Distance: 3m	
M/N:		
Mode:802.11b high channel		
Note:		
Engineer Signature:		

Radiated Emission Measurement

File :09 Data :#12 Date: 2017/6/26 Time: 9:28:20

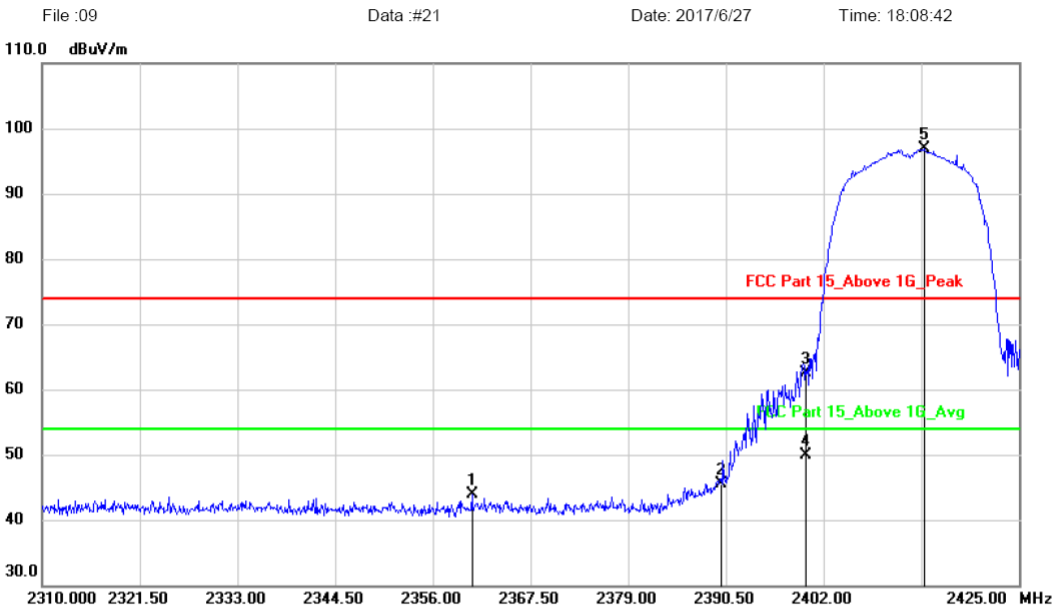


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	2460.560	96.32	-3.39	92.93	74.00	18.93	peak			
2		2483.500	46.57	-3.38	43.19	74.00	-30.81	peak			
3		2489.660	47.19	-3.39	43.80	74.00	-30.20	peak			
4		2500.000	45.43	-3.38	42.05	74.00	-31.95	peak			

Note:1. *:Maximum data; x:Over limit; !:over margin.
2.Measurement=Reading Level+Correct Factor; Correct Factor=Antenna Factor+Cable Loss.

Site LAB	Polarization: *Vertical*	Temperature: 23.9
Limit: FCC Part 15_Above 1G_Peak	Power:	Humidity: 46 %
EUT:	Distance: 3m	
M/N:		
Mode:802.11g low channel		
Note:		
Engineer Signature:		

Radiated Emission Measurement



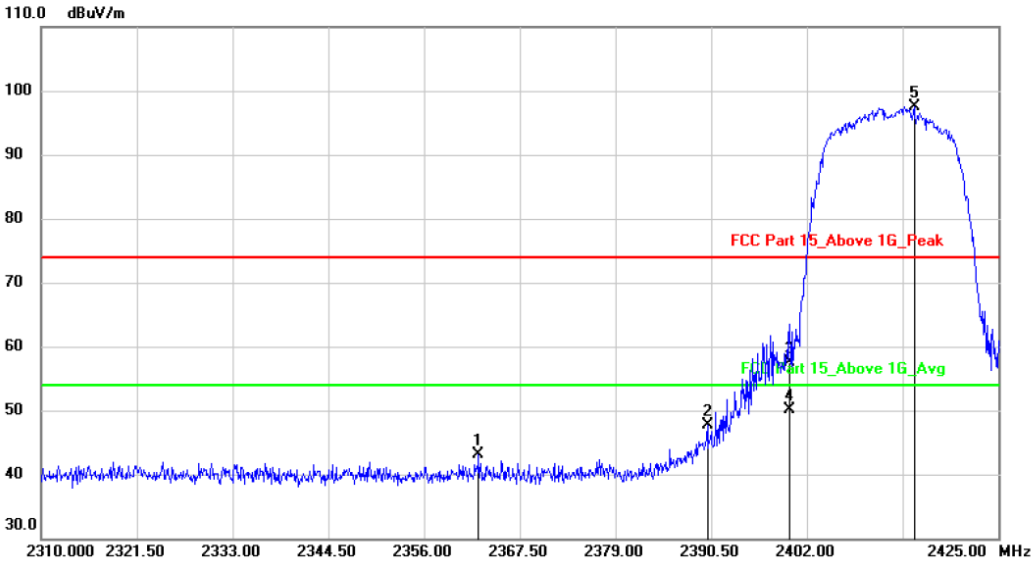
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2360.600	47.25	-3.38	43.87	74.00	-30.13	peak			
2		2390.000	48.99	-3.40	45.59	74.00	-28.41	peak			
3		2400.000	66.01	-3.41	62.60	74.00	-11.40	peak			
4		2400.000	53.31	-3.41	49.90	54.00	-4.10	AVG			
5	*	2413.845	100.28	-3.41	96.87	74.00	22.87	peak			

Note:1. *:Maximum data; x:Over limit; !:over margin.
2.Measurement=Reading Level+Correct Factor; Correct Factor=Antenna Factor+Cable Loss.

Site LAB	Polarization: ***Horizontal***	Temperature: 23.9
Limit: FCC Part 15_Above 1G_Peak	Power:	Humidity: 46 %
EUT:	Distance: 3m	
M/N:		
Mode:802.11g low channel		
Note:		
Engineer Signature:		

Radiated Emission Measurement

File :09 Data :#22 Date: 2017/6/27 Time: 18:12:13

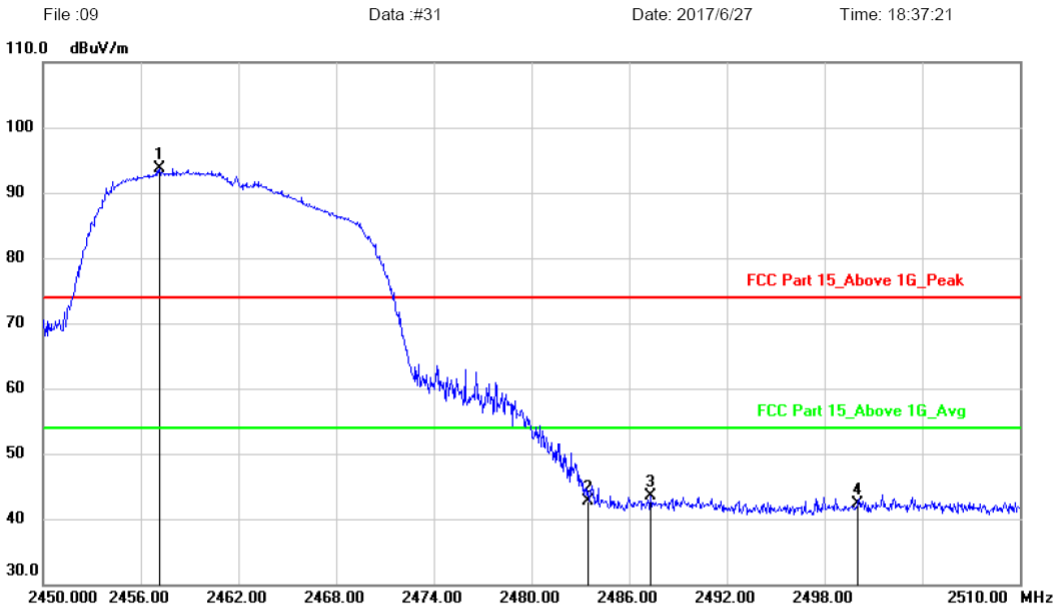


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2362.555	46.38	-3.37	43.01	74.00	-30.99	peak			
2		2390.000	51.16	-3.40	47.76	74.00	-26.24	peak			
3		2400.000	60.95	-3.41	57.54	74.00	-16.46	peak			
4		2400.000	53.51	-3.41	50.10	54.00	-3.90	AVG			
5	*	2414.880	101.00	-3.41	97.59	74.00	23.59	peak			

Note:1. *:Maximum data; x:Over limit; !:over margin.
2.Measurement=Reading Level+Correct Factor; Correct Factor=Antenna Factor+Cable Loss.

Site LAB	Polarization: ***Vertical***	Temperature: 23.9
Limit: FCC Part 15_Above 1G_Peak	Power:	Humidity: 46 %
EUT:	Distance: 3m	
M/N:		
Mode:802.11g high channel		
Note:		
Engineer Signature:		

Radiated Emission Measurement



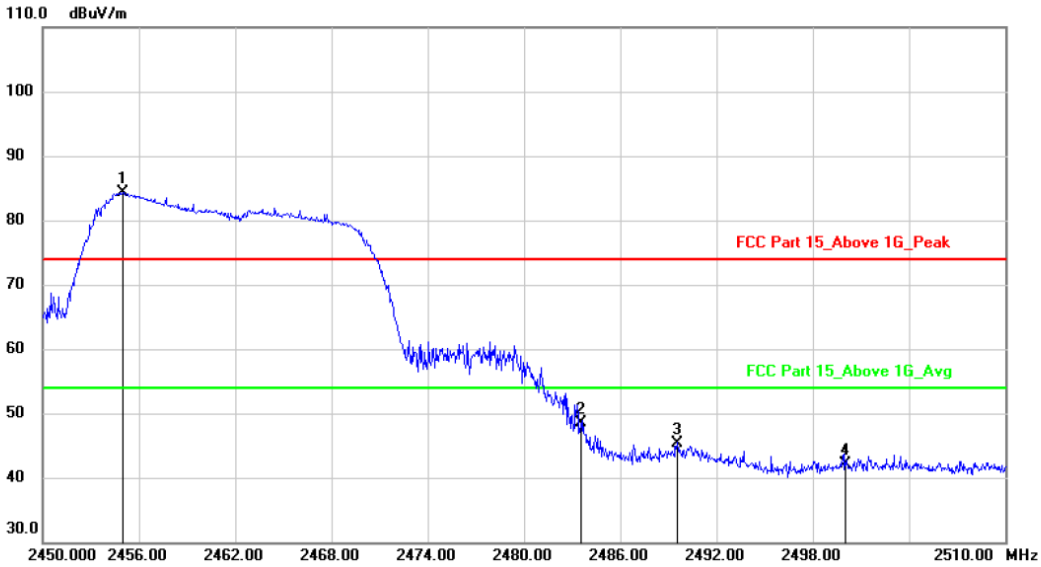
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	2457.140	97.04	-3.39	93.65	74.00	19.65	peak			
2		2483.500	46.13	-3.38	42.75	74.00	-31.25	peak			
3		2487.320	46.98	-3.39	43.59	74.00	-30.41	peak			
4		2500.000	45.62	-3.38	42.24	74.00	-31.76	peak			

Note:1. *:Maximum data; x:Over limit; !:over margin.
2.Measurement=Reading Level+Correct Factor; Correct Factor=Antenna Factor+Cable Loss.

Site LAB	Polarization: ***Horizontal***	Temperature: 23.9
Limit: FCC Part 15_Above 1G_Peak	Power:	Humidity: 46 %
EUT:	Distance: 3m	
M/N:		
Mode:802.11g high channel		
Note:		
Engineer Signature:		

Radiated Emission Measurement

File :09 Data :#32 Date: 2017/6/27 Time: 18:40:52



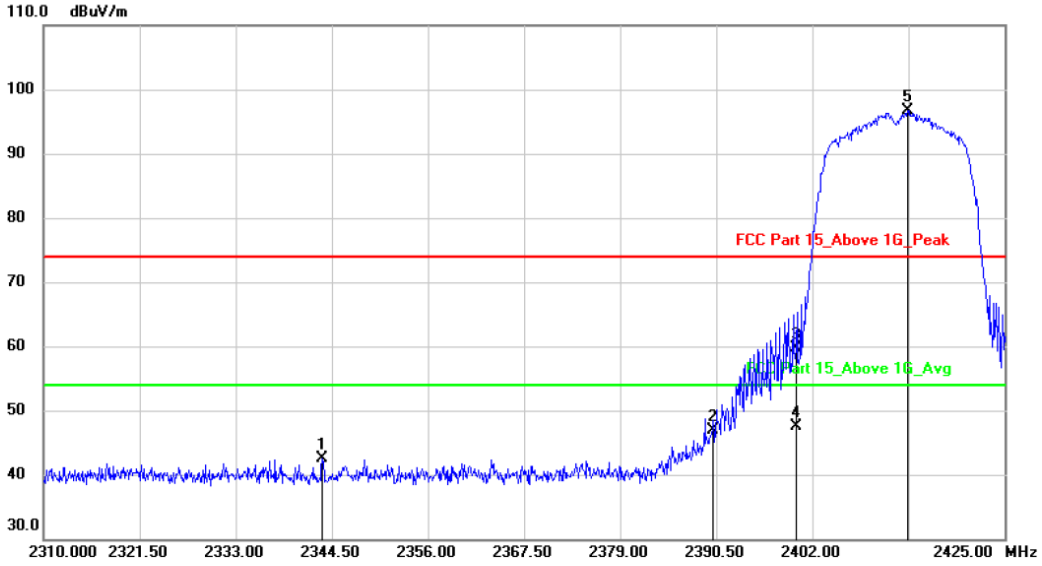
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	2454.980	87.68	-3.39	84.29	74.00	10.29	peak			
2		2483.500	51.86	-3.38	48.48	74.00	-25.52	peak			
3		2489.540	48.79	-3.39	45.40	74.00	-28.60	peak			
4		2500.000	45.42	-3.38	42.04	74.00	-31.96	peak			

Note:1. *:Maximum data; x:Over limit; !:over margin.
2.Measurement=Reading Level+Correct Factor; Correct Factor=Antenna Factor+Cable Loss.

Site LAB	Polarization: *Vertical*	Temperature:	23.9
Limit: FCC Part 15_Above 1G_Peak	Power:	Humidity:	46 %
EUT:	Distance: 3m		
M/N:			
Mode:802.11n HT20 low channel			
Note:			
Engineer Signature:			

Radiated Emission Measurement

File :09 Data :#41 Date: 2017/6/27 Time: 19:13:01



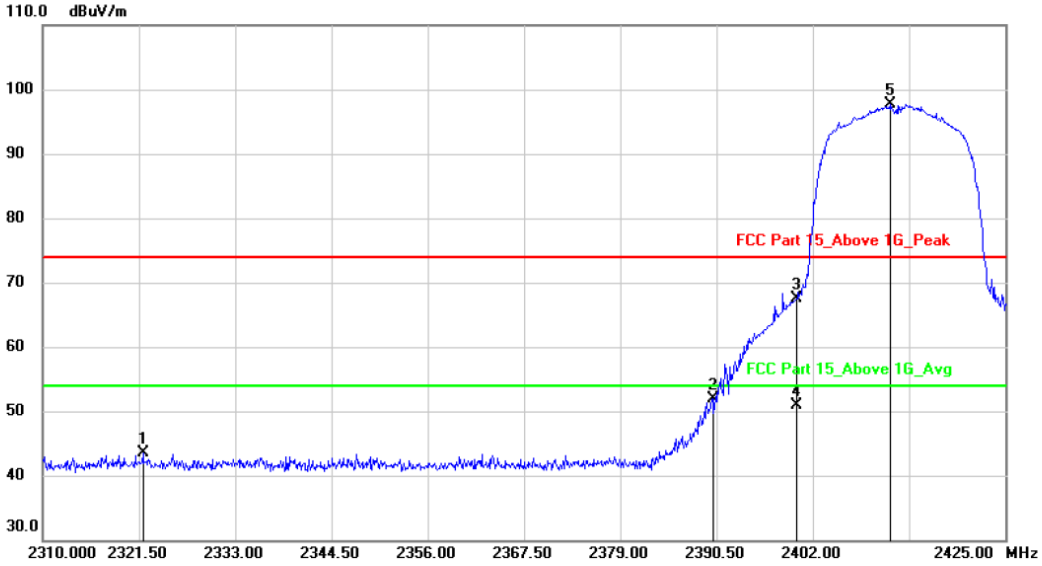
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2343.350	45.77	-3.35	42.42	74.00	-31.58	peak			
2		2390.000	50.37	-3.40	46.97	74.00	-27.03	peak			
3		2400.000	63.08	-3.41	59.67	74.00	-14.33	peak			
4		2400.000	51.01	-3.41	47.60	54.00	-6.40	AVG			
5	*	2413.385	100.11	-3.41	96.70	74.00	22.70	peak			

Note:1. *:Maximum data; x:Over limit; !:over margin.
2.Measurement=Reading Level+Correct Factor; Correct Factor=Antenna Factor+Cable Loss.

Site LAB	Polarization: ***Horizontal***	Temperature: 23.9
Limit: FCC Part 15_Above 1G_Peak	Power:	Humidity: 46 %
EUT:	Distance: 3m	
M/N:		
Mode:802.11n HT20 low channel		
Note:		
Engineer Signature:		

Radiated Emission Measurement

File :09 Data :#42 Date: 2017/6/27 Time: 19:15:35

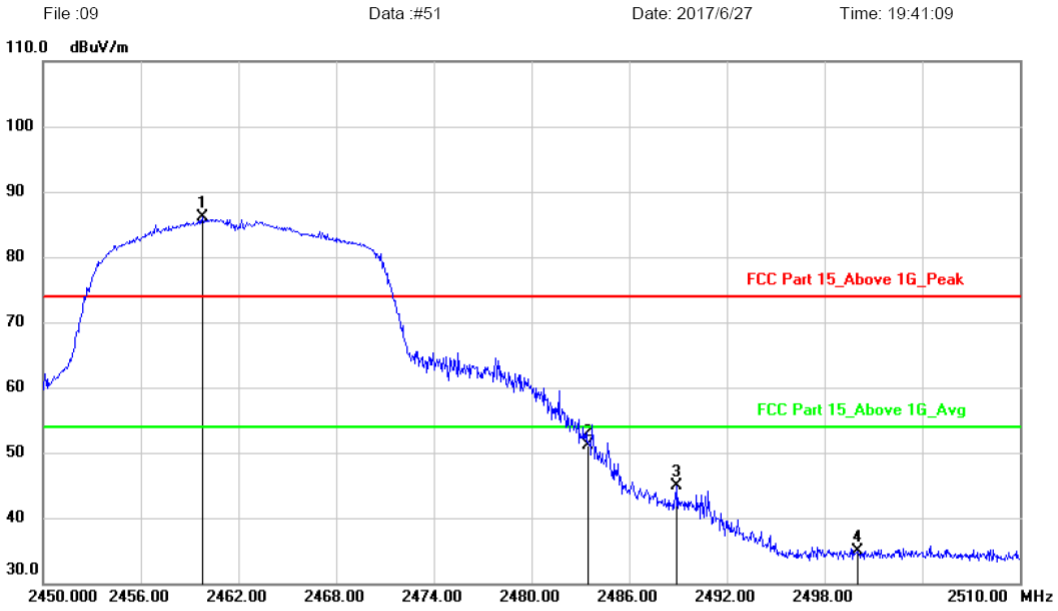


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2321.960	46.91	-3.33	43.58	74.00	-30.42	peak			
2		2390.000	55.33	-3.40	51.93	74.00	-22.07	peak			
3		2400.000	70.96	-3.41	67.55	74.00	-6.45	peak			
4		2400.000	54.41	-3.41	51.00	54.00	-3.00	AVG			
5	*	2411.200	101.15	-3.40	97.75	74.00	23.75	peak			

Note:1. *:Maximum data; x:Over limit; !:over margin.
2.Measurement=Reading Level+Correct Factor; Correct Factor=Antenna Factor+Cable Loss.

Site LAB	Polarization: *Vertical*	Temperature: 23.9
Limit: FCC Part 15_Above 1G_Peak	Power:	Humidity: 46 %
EUT:	Distance: 3m	
M/N:		
Mode:802.11n HT20 high channel		
Note:		
Engineer Signature:		

Radiated Emission Measurement

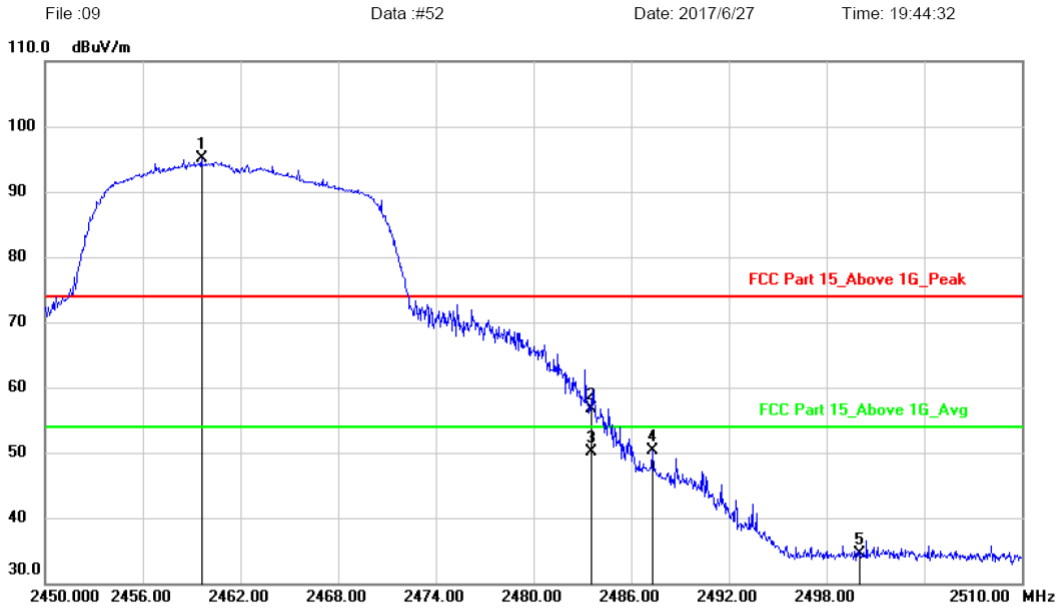


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	2459.780	89.44	-3.39	86.05	74.00	12.05	peak			
2		2483.500	54.46	-3.38	51.08	74.00	-22.92	peak			
3		2488.940	48.30	-3.39	44.91	74.00	-29.09	peak			
4		2500.000	38.29	-3.38	34.91	74.00	-39.09	peak			

Note:1. *:Maximum data; x:Over limit; !:over margin.
2.Measurement=Reading Level+Correct Factor; Correct Factor=Antenna Factor+Cable Loss.

Site LAB	Polarization: ***Horizontal***	Temperature:	23.9
Limit: FCC Part 15_Above 1G_Peak	Power:	Humidity:	46 %
EUT:	Distance: 3m		
M/N:			
Mode:802.11n HT20 high channel			
Note:			
Engineer Signature:			

Radiated Emission Measurement

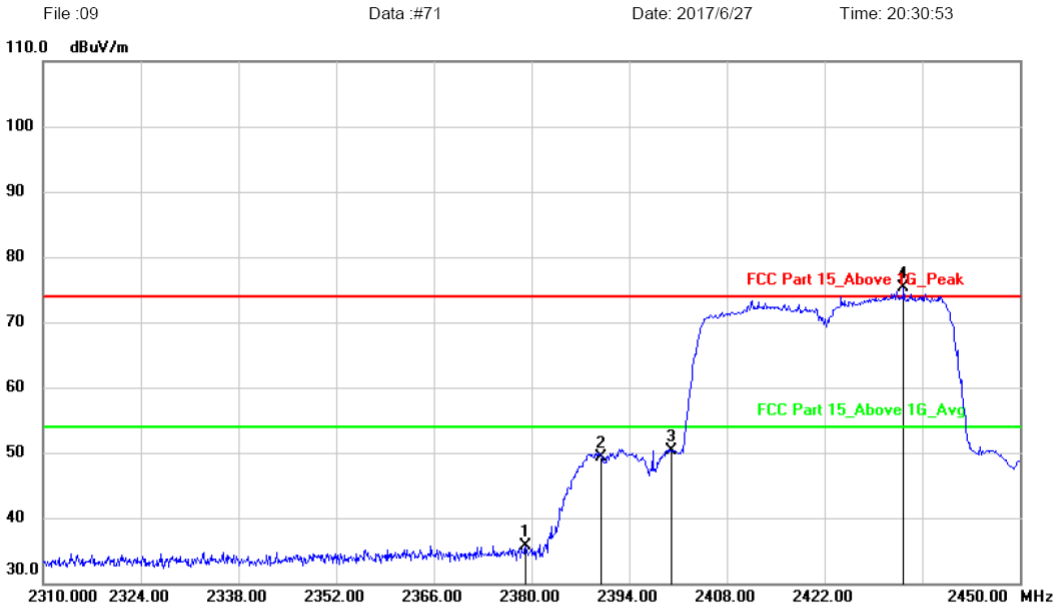


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	2459.600	98.40	-3.39	95.01	74.00	21.01	peak			
2		2483.500	60.13	-3.38	56.75	74.00	-17.25	peak			
3		2483.500	53.48	-3.38	50.10	54.00	-3.90	AVG			
4		2487.320	53.69	-3.39	50.30	74.00	-23.70	peak			
5		2500.000	37.94	-3.38	34.56	74.00	-39.44	peak			

Note:1. *:Maximum data; x:Over limit; !:over margin.
2.Measurement=Reading Level+Correct Factor; Correct Factor=Antenna Factor+Cable Loss.

Site LAB	Polarization: *Vertical*	Temperature: 23.9
Limit: FCC Part 15_Above 1G_Peak	Power:	Humidity: 46 %
EUT:	Distance: 3m	
M/N:		
Mode:802.11n HT40 low channel		
Note:		
Engineer Signature:		

Radiated Emission Measurement

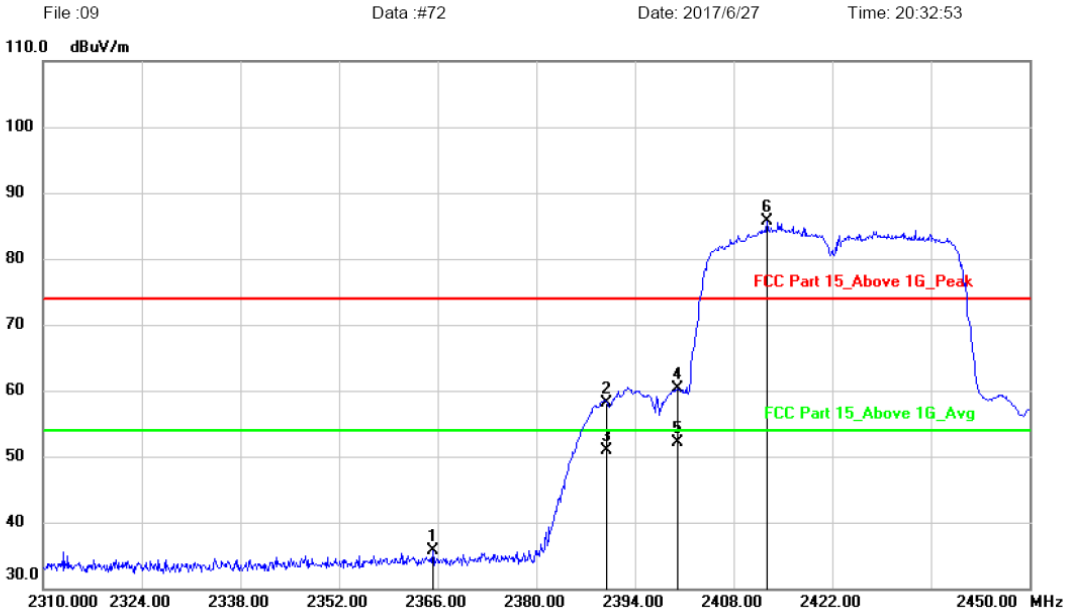


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2379.160	39.13	-3.39	35.74	74.00	-38.26	peak			
2		2390.000	52.60	-3.40	49.20	74.00	-24.80	peak			
3		2400.000	53.73	-3.41	50.32	74.00	-23.68	peak			
4	*	2433.340	78.77	-3.40	75.37	74.00	1.37	peak			

Note:1. *:Maximum data; x:Over limit; !:over margin.
2.Measurement=Reading Level+Correct Factor; Correct Factor=Antenna Factor+Cable Loss.

Site LAB	Polarization: ***Horizontal***	Temperature: 23.9
Limit: FCC Part 15_Above 1G_Peak	Power:	Humidity: 46 %
EUT:	Distance: 3m	
M/N:		
Mode:802.11n HT40 low channel		
Note:		
Engineer Signature:		

Radiated Emission Measurement



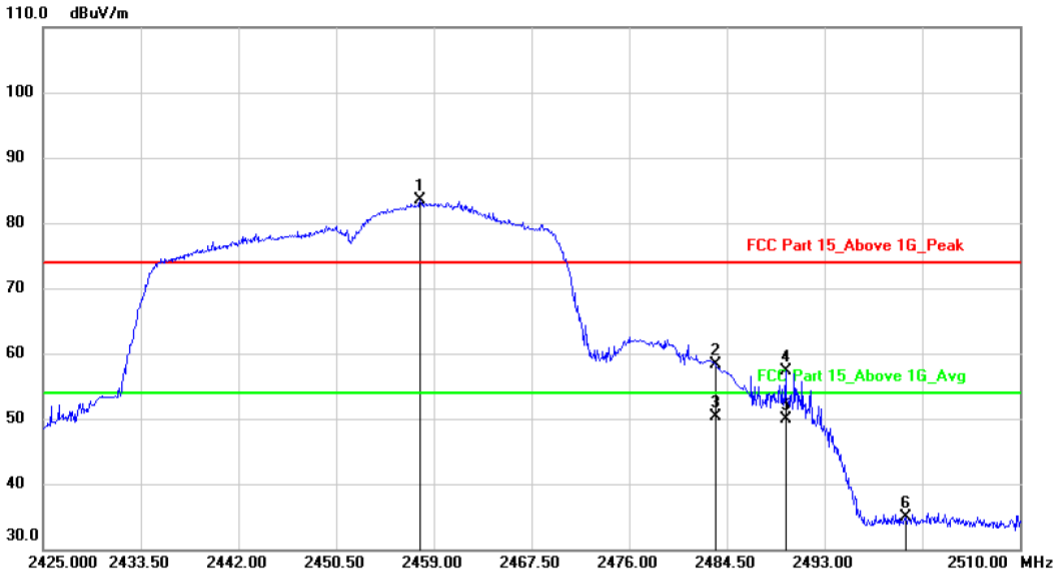
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2365.300	39.07	-3.38	35.69	74.00	-38.31	peak			
2		2390.000	61.44	-3.40	58.04	74.00	-15.96	peak			
3		2390.000	54.40	-3.40	51.00	54.00	-3.00	AVG			
4		2400.000	63.64	-3.41	60.23	74.00	-13.77	peak			
5		2400.000	55.50	-3.41	52.09	54.00	-1.91	AVG			
6	*	2412.760	89.05	-3.41	85.64	74.00	11.64	peak			

Note:1. *:Maximum data; x:Over limit; !:over margin.
2.Measurement=Reading Level+Correct Factor; Correct Factor=Antenna Factor+Cable Loss.

Site LAB	Polarization: *Vertical*	Temperature: 23.9
Limit: FCC Part 15_Above 1G_Peak	Power:	Humidity: 46 %
EUT:	Distance: 3m	
M/N:		
Mode:802.11n HT40 high channel		
Note:		
Engineer Signature:		

Radiated Emission Measurement

File :09 Data :#61 Date: 2017/6/27 Time: 20:08:09



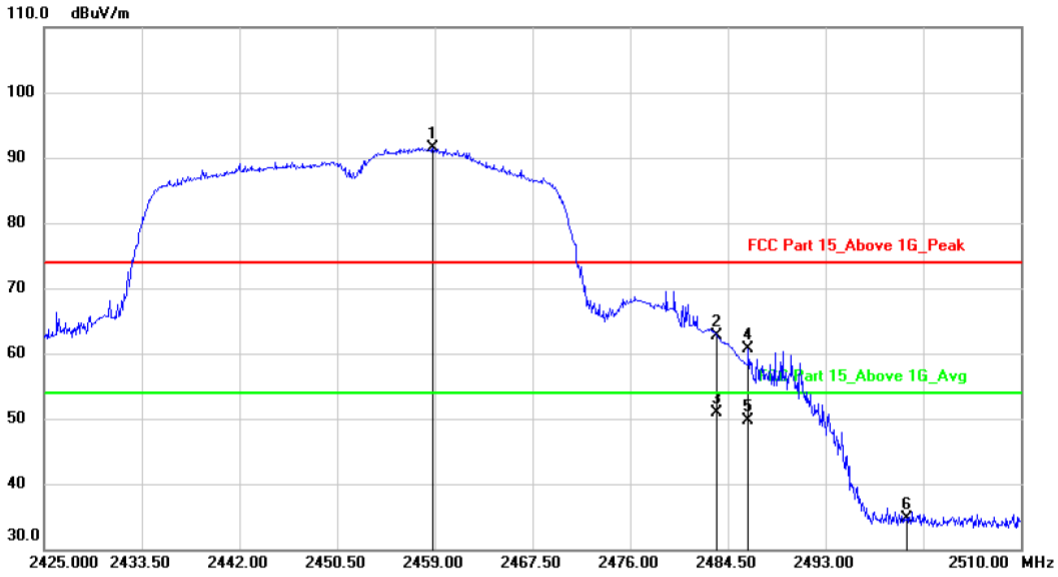
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	2457.810	86.80	-3.39	83.41	74.00	9.41	peak			
2		2483.500	61.67	-3.38	58.29	74.00	-15.71	peak			
3		2483.500	53.58	-3.38	50.20	54.00	-3.80	AVG			
4		2489.600	60.65	-3.39	57.26	74.00	-16.74	peak			
5		2489.600	53.39	-3.39	50.00	54.00	-4.00	AVG			
6		2500.000	38.30	-3.38	34.92	74.00	-39.08	peak			

Note:1. *:Maximum data; x:Over limit; !:over margin.
2.Measurement=Reading Level+Correct Factor; Correct Factor=Antenna Factor+Cable Loss.

Site LAB	Polarization: ***Horizontal***	Temperature: 23.9
Limit: FCC Part 15_Above 1G_Peak	Power:	Humidity: 46 %
EUT:	Distance: 3m	
M/N:		
Mode:802.11n HT40 high channel		
Note:		
Engineer Signature:		

Radiated Emission Measurement

File :09 Data :#62 Date: 2017/6/27 Time: 20:10:35



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	2458.830	94.95	-3.39	91.56	74.00	17.56	peak			
2		2483.500	66.18	-3.38	62.80	74.00	-11.20	peak			
3		2483.500	54.28	-3.38	50.90	54.00	-3.10	AVG			
4		2486.285	64.00	-3.38	60.62	74.00	-13.38	peak			
5		2486.285	53.08	-3.38	49.70	54.00	-4.30	AVG			
6		2500.000	38.05	-3.38	34.67	74.00	-39.33	peak			

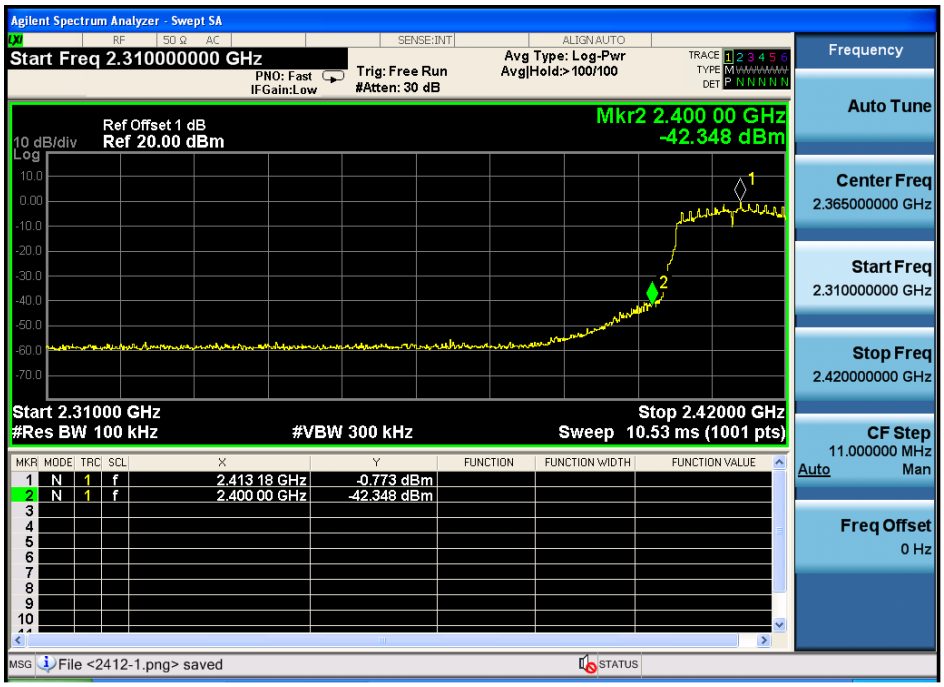
Note:1. *:Maximum data; x:Over limit; !:over margin.
2.Measurement=Reading Level+Correct Factor; Correct Factor=Antenna Factor+Cable Loss.

802.11b


Agilent Spectrum Analyzer - Swept SA
Start Freq 2.310000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ref Offset 1 dB
10 dB/div
Ref 20.00 dBm
Mkr2 2.400 00 GHz
-44.144 dBm
Start 2.31000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 2.42000 GHz
Sweep 10.53 ms (1001 pts)
1 N 1 f 2.412 96 GHz 5.285 dBm
2 N 1 f 2.400 00 GHz -44.144 dBm
File <2412-1.png> saved
Frequency
Auto Tune
Center Freq
2.365000000 GHz
Start Freq
2.310000000 GHz
Stop Freq
2.420000000 GHz
CF Step
11.000000 MHz
Auto Man
Freq Offset
0 Hz


Agilent Spectrum Analyzer - Swept SA
Start Freq 2.450000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ref Offset 1 dB
10 dB/div
Ref 20.00 dBm
Mkr2 2.483 5 GHz
-53.588 dBm
Start 2.45000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 2.55000 GHz
Sweep 9.600 ms (1001 pts)
1 N 1 f 2.460 5 GHz 4.983 dBm
2 N 1 f 2.483 5 GHz -53.588 dBm
File <2462-1.png> saved
Frequency
Auto Tune
Center Freq
2.500000000 GHz
Start Freq
2.450000000 GHz
Stop Freq
2.550000000 GHz
CF Step
10.000000 MHz
Auto Man
Freq Offset
0 Hz

802.11g


Agilent Spectrum Analyzer - Swept SA
Start Freq 2.310000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ref Offset 1 dB
10 dB/div
Ref 20.00 dBm
Mkr2 2.400 00 GHz
-42.348 dBm
Start 2.31000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 2.42000 GHz
Sweep 10.53 ms (1001 pts)
1 N 1 f 2.413 18 GHz -0.773 dBm
2 N 1 f 2.400 00 GHz -42.348 dBm
File <2412-1.png> saved
Frequency
Auto Tune
Center Freq
2.365000000 GHz
Start Freq
2.310000000 GHz
Stop Freq
2.420000000 GHz
CF Step
11.000000 MHz
Auto
Man
Freq Offset
0 Hz

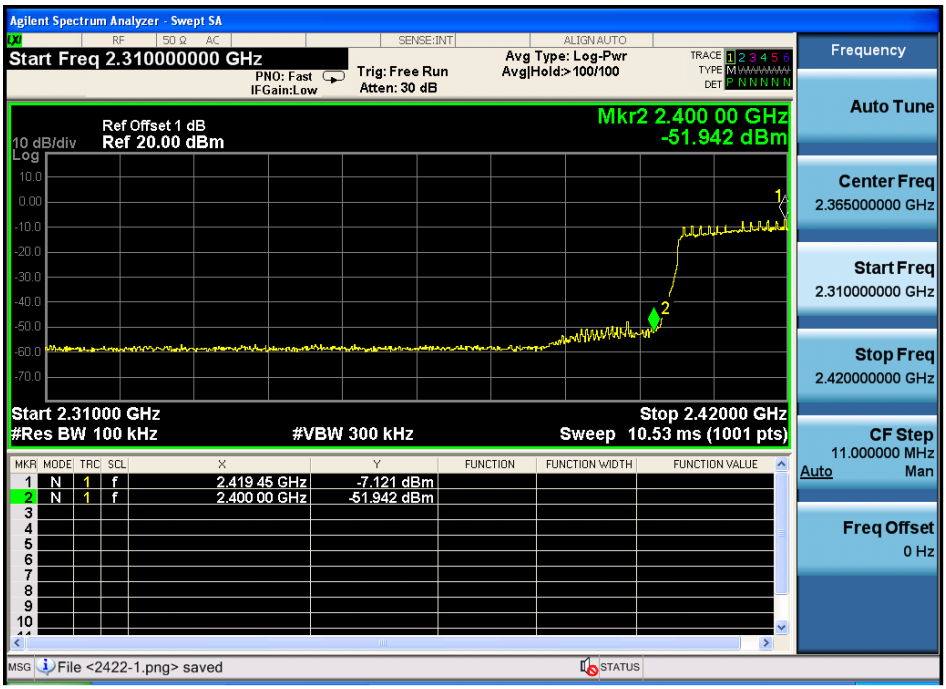

Agilent Spectrum Analyzer - Swept SA
Start Freq 2.450000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ref Offset 1 dB
10 dB/div
Ref 20.00 dBm
Mkr2 2.483 5 GHz
-34.618 dBm
Start 2.45000 GHz
#Res BW 1.0 MHz
#VBW 1.0 MHz
Stop 2.55000 GHz
Sweep 1.000 ms (1001 pts)
1 N 1 f 2.460 6 GHz 8.772 dBm
2 N 1 f 2.483 5 GHz -34.618 dBm
File <2462-1.png> saved
Frequency
Auto Tune
Center Freq
2.500000000 GHz
Start Freq
2.450000000 GHz
Stop Freq
2.550000000 GHz
CF Step
10.000000 MHz
Auto
Man
Freq Offset
0 Hz

802.11n HT20


Agilent Spectrum Analyzer - Swept SA
Start Freq 2.310000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ref Offset 1 dB
10 dB/div
Ref 20.00 dBm
Mkr2 2.400 00 GHz
-44.144 dBm
Start 2.31000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 2.42000 GHz
Sweep 10.53 ms (1001 pts)
1 N 1 f 2.412 96 GHz 5.285 dBm
2 N 1 f 2.400 00 GHz -44.144 dBm
Frequency
Auto Tune
Center Freq
2.365000000 GHz
Start Freq
2.310000000 GHz
Stop Freq
2.420000000 GHz
CF Step
11.000000 MHz
Auto Man
Freq Offset
0 Hz
File <2412-1.png> saved
STATUS


Agilent Spectrum Analyzer - Swept SA
Start Freq 2.450000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ref Offset 1 dB
10 dB/div
Ref 20.00 dBm
Mkr2 2.483 5 GHz
-53.588 dBm
Start 2.45000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 2.55000 GHz
Sweep 9.600 ms (1001 pts)
1 N 1 f 2.460 5 GHz 4.983 dBm
2 N 1 f 2.483 5 GHz -53.588 dBm
Frequency
Auto Tune
Center Freq
2.500000000 GHz
Start Freq
2.450000000 GHz
Stop Freq
2.550000000 GHz
CF Step
10.000000 MHz
Auto Man
Freq Offset
0 Hz
File <2462-1.png> saved
STATUS

802.11n HT40


Agilent Spectrum Analyzer - Swept SA
Start Freq 2.310000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ref Offset 1 dB
10 dB/div
Ref 20.00 dBm
Mkr2 2.400 00 GHz
-51.942 dBm
Start 2.31000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 2.42000 GHz
Sweep 10.53 ms (1001 pts)
1 N 1 f 2.419 45 GHz -7.121 dBm
2 N 1 f 2.400 00 GHz -51.942 dBm
File <2422-1.png> saved
Frequency
Auto Tune
Center Freq
2.365000000 GHz
Start Freq
2.310000000 GHz
Stop Freq
2.420000000 GHz
CF Step
11.000000 MHz
Auto
Man
Freq Offset
0 Hz


Agilent Spectrum Analyzer - Swept SA
Start Freq 2.400000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold:>100/100
Ref Offset 1 dB
10 dB/div
Ref 20.00 dBm
Mkr2 2.483 50 GHz
-55.093 dBm
Start 2.40000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 2.55000 GHz
Sweep 14.40 ms (1001 pts)
1 N 1 f 2.449 50 GHz -6.483 dBm
2 N 1 f 2.483 50 GHz -55.093 dBm
File <2452-1.png> saved
Frequency
Auto Tune
Center Freq
2.475000000 GHz
Start Freq
2.400000000 GHz
Stop Freq
2.550000000 GHz
CF Step
15.000000 MHz
Auto
Man
Freq Offset
0 Hz

11 Antenna Requirement

11.1 Standard Requirement

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.

11.2 Antenna Connected Construction

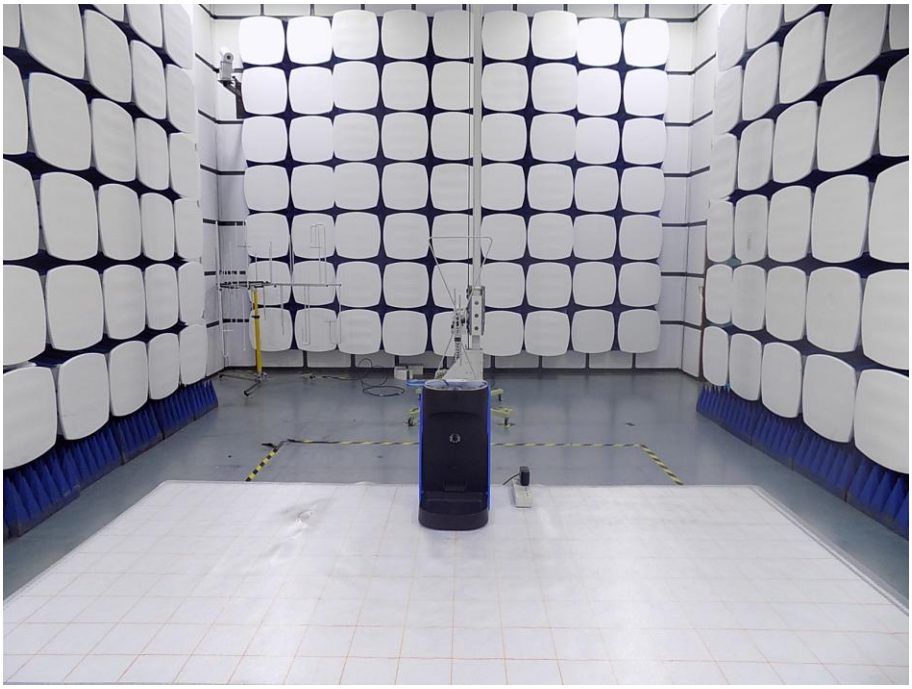
The antenna connector is unique antenna and no consideration of replacement. Please see EUT photo for details.

11.3 Result

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

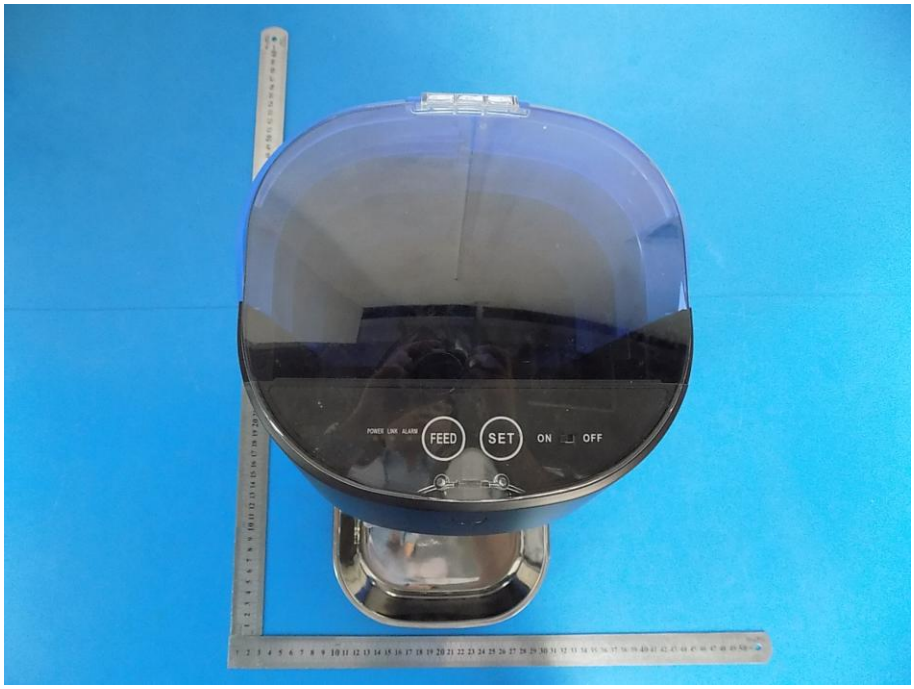
12 Test setup photo

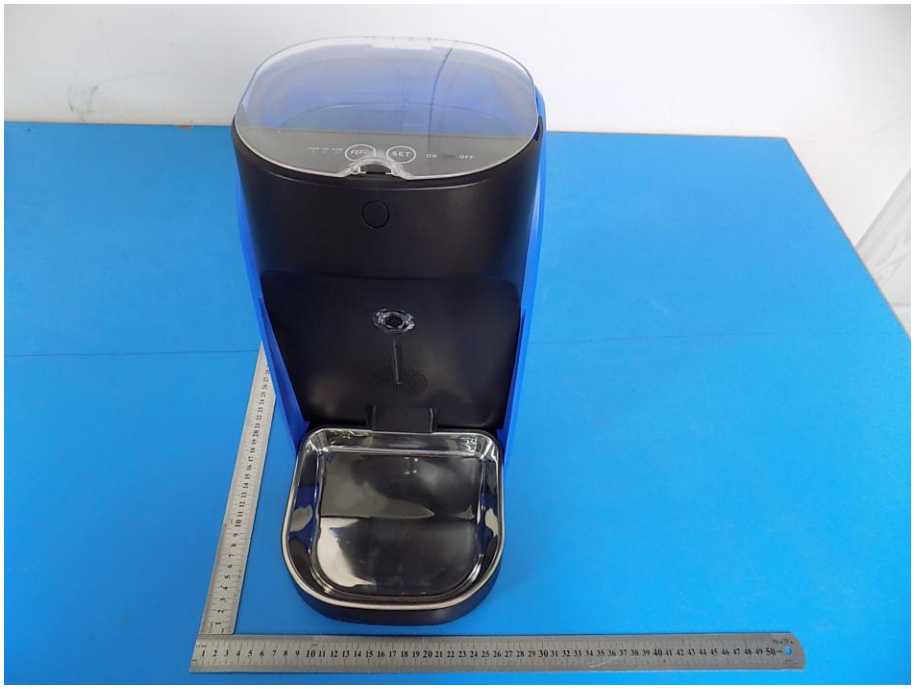
12.1 Photos of Radiated emission

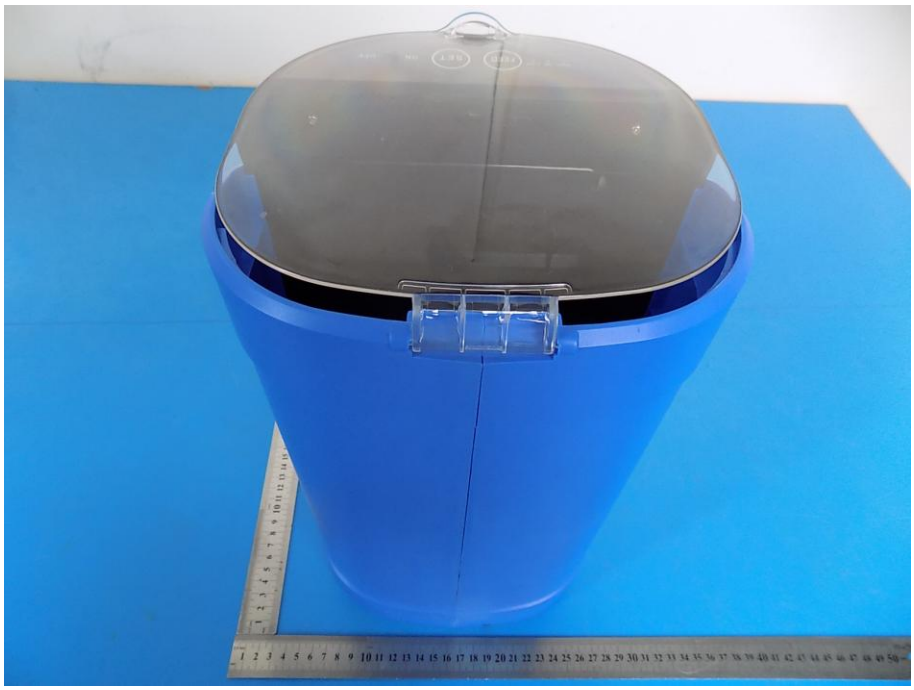


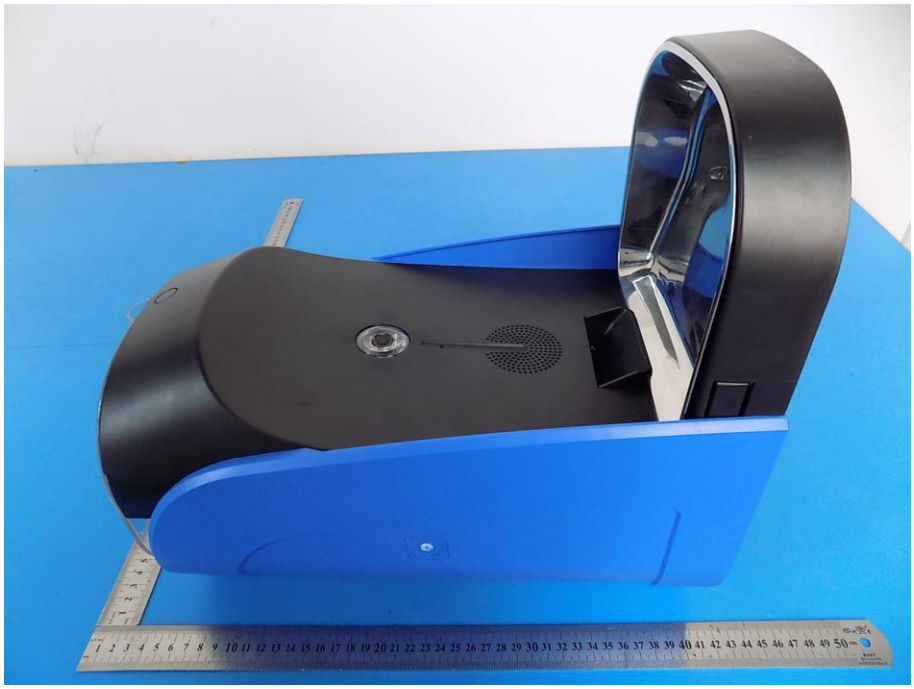
12.2 Photos of Conducted Emission test

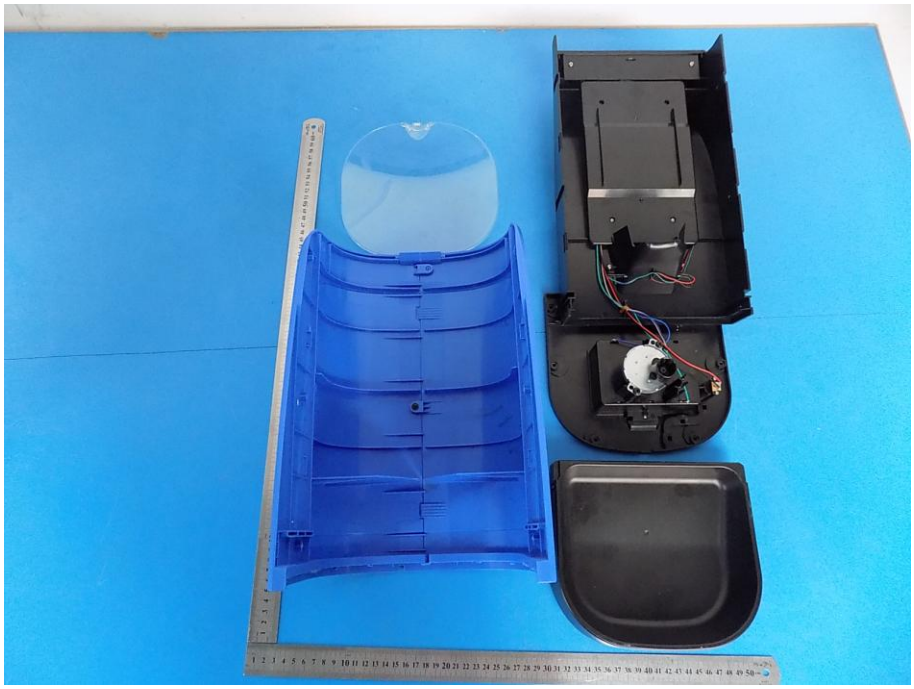
13 Photographs of EUT

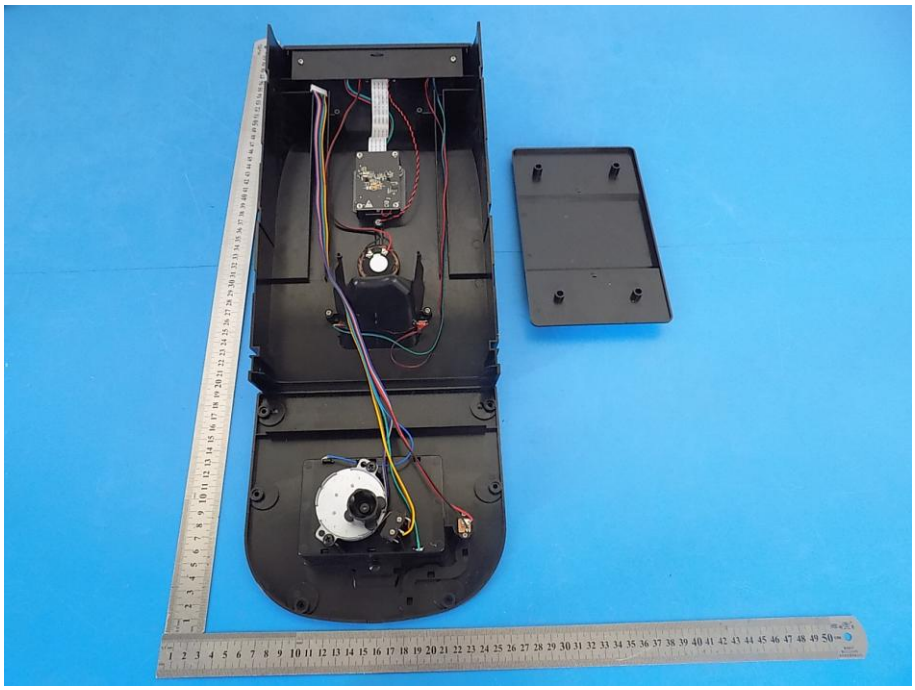

POWER LINK ALARM
FEED
SET
ON
OFF

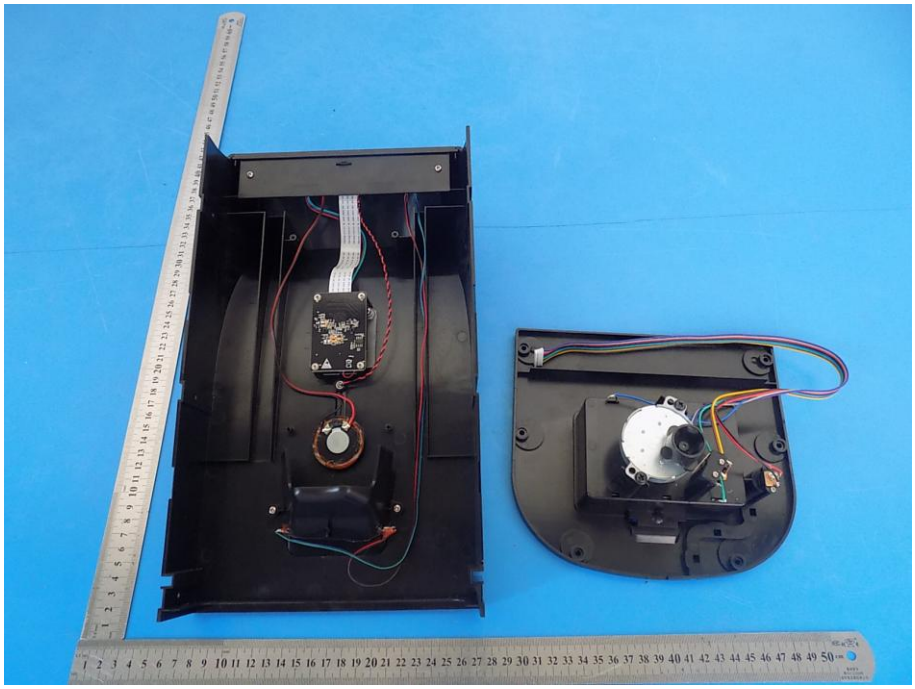


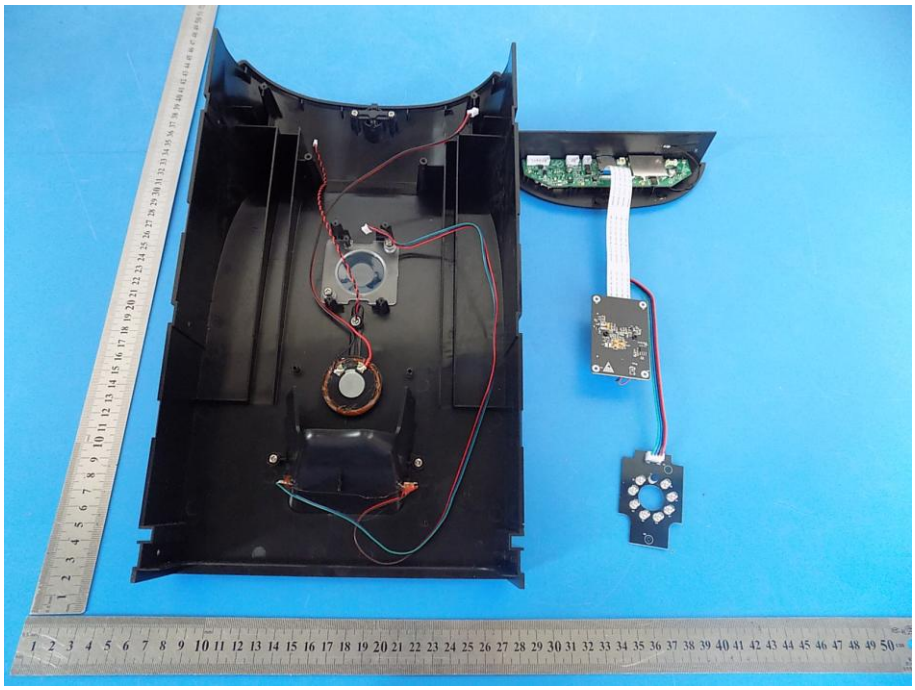


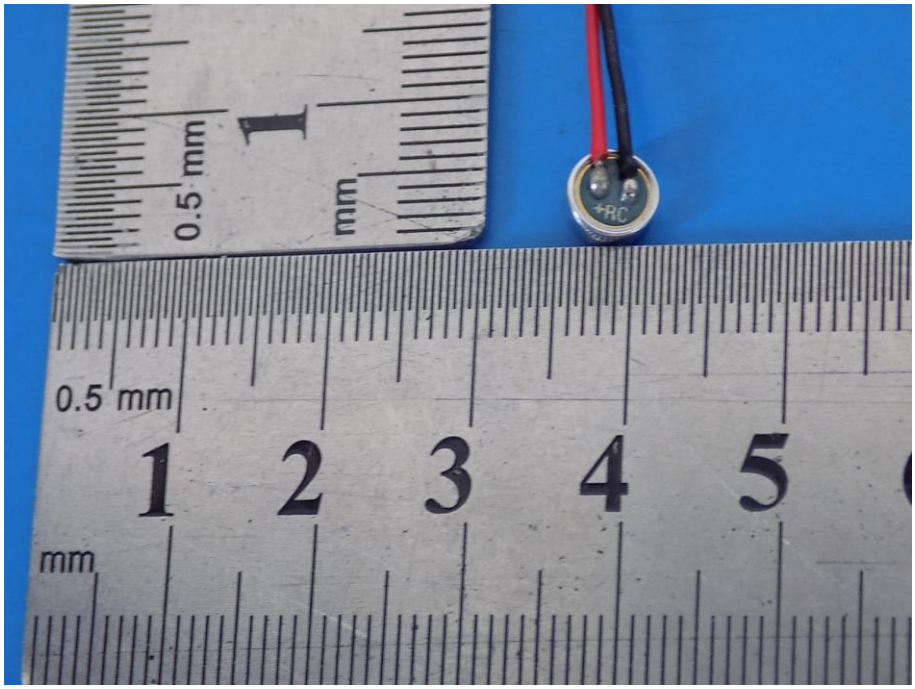


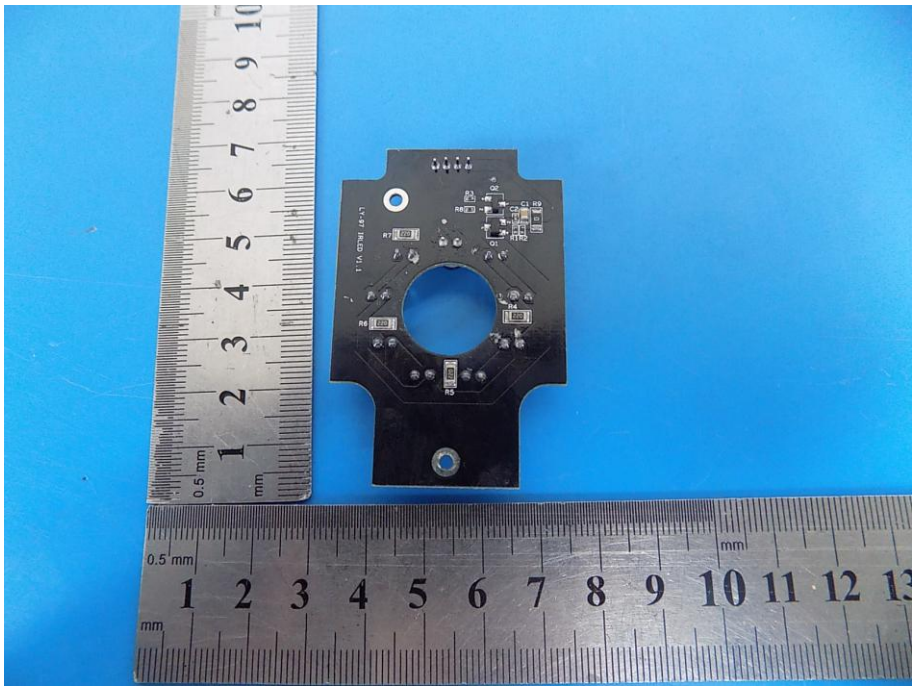


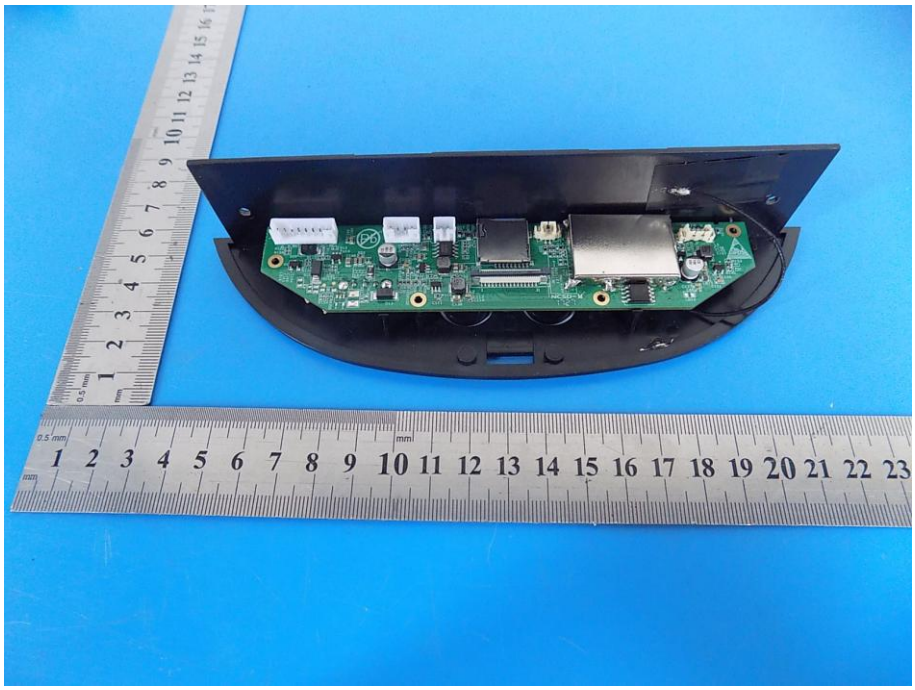


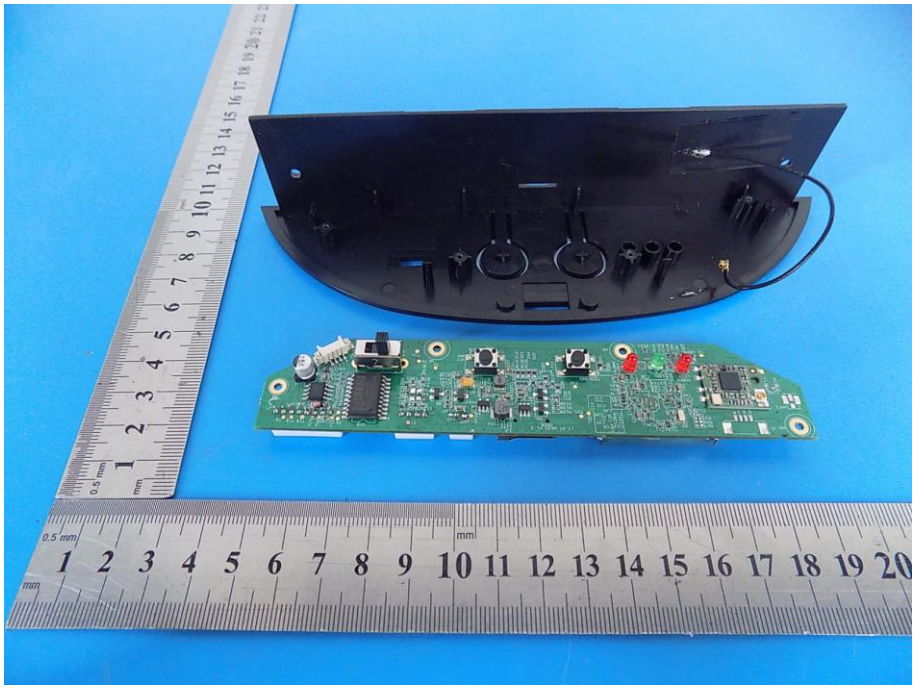


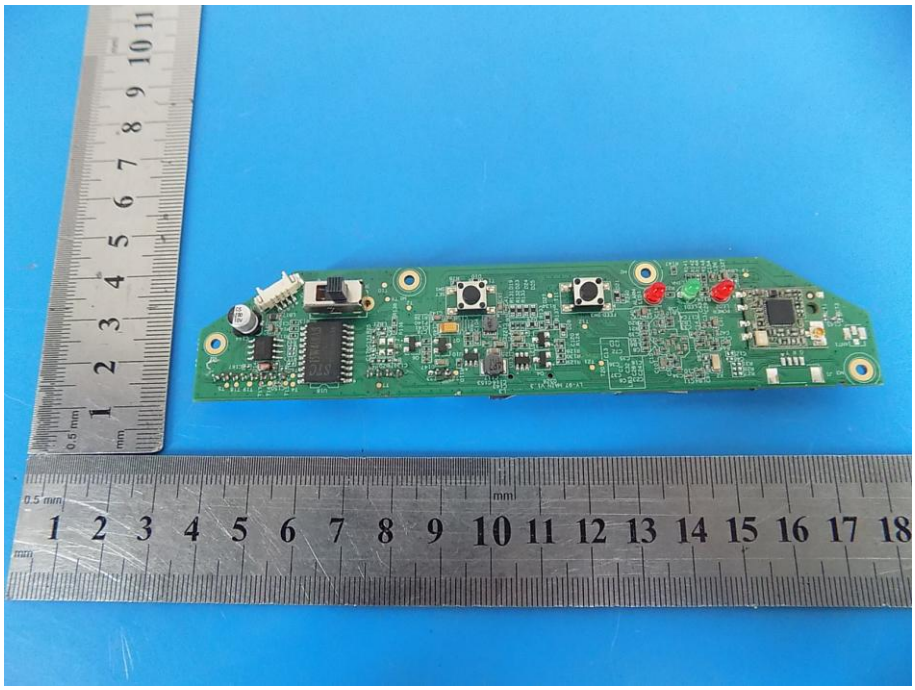


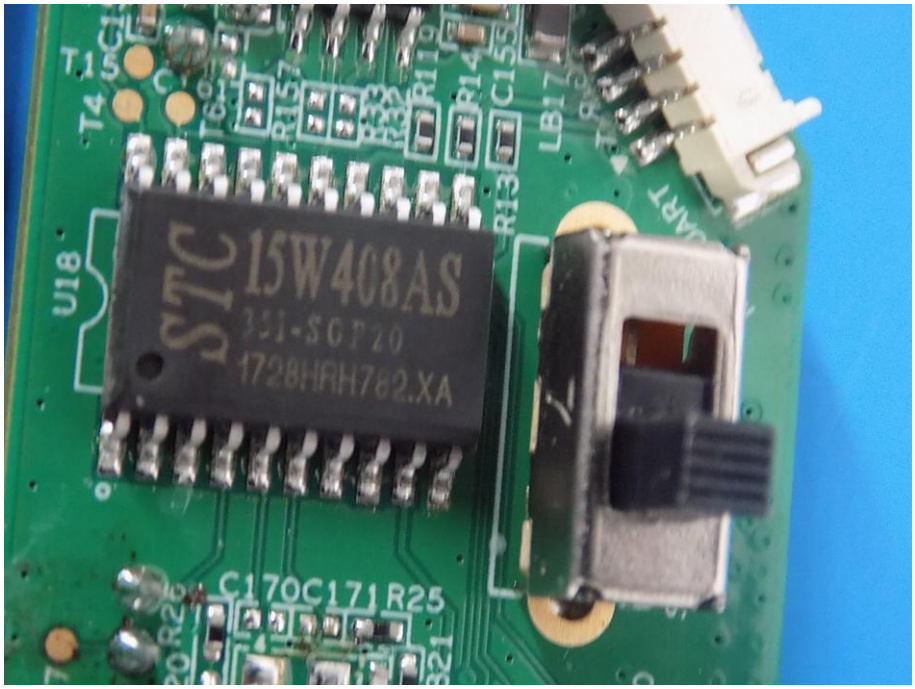

0.5 mm
1
mm
0.5 mm
1 2 3 4 5
mm

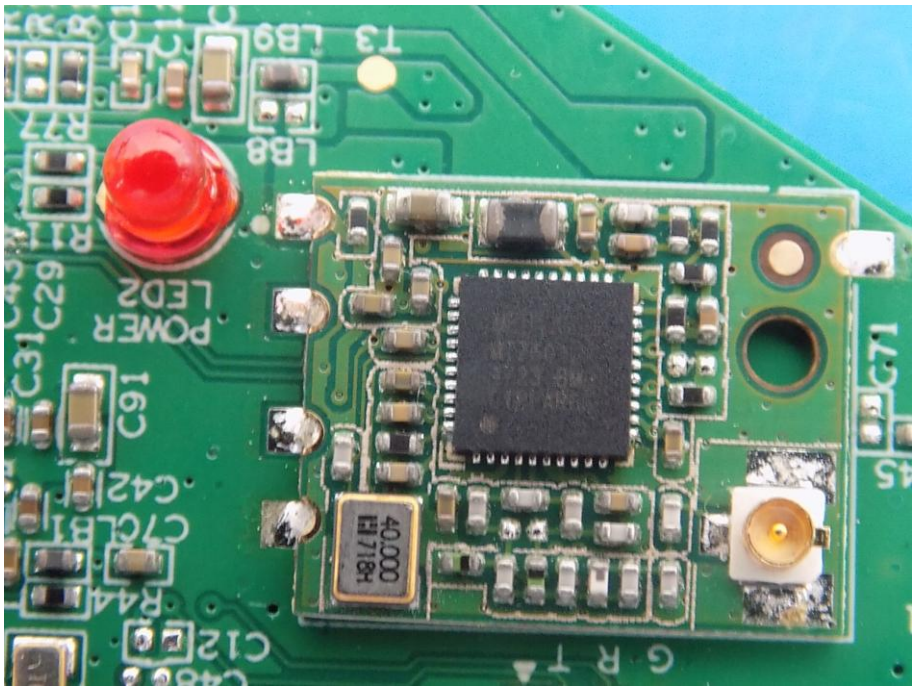

0.5 mm
1 2 3 4 5 6 7 8 9 10 11 12 13
mm

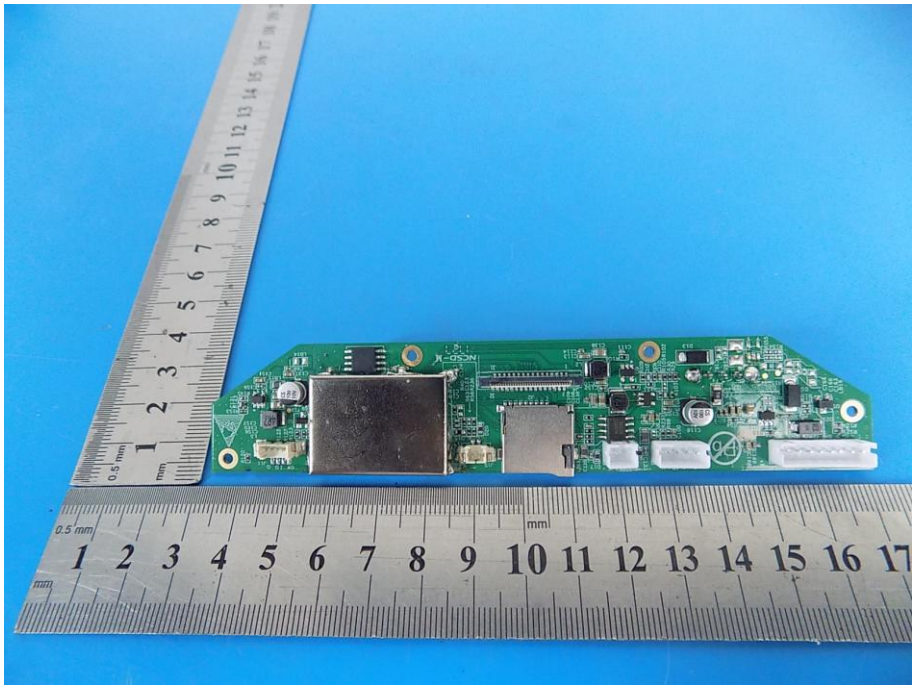


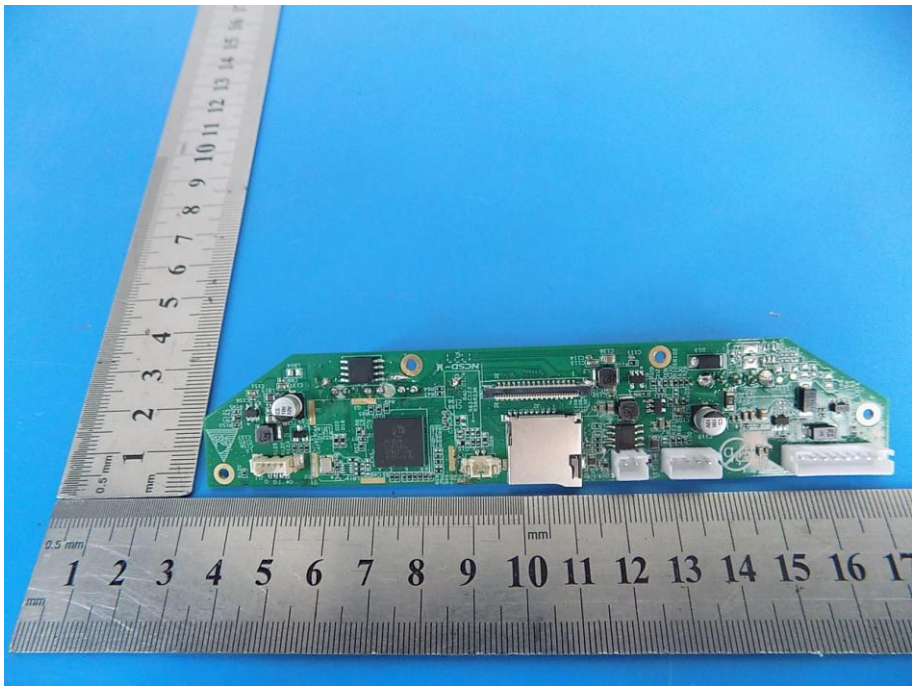


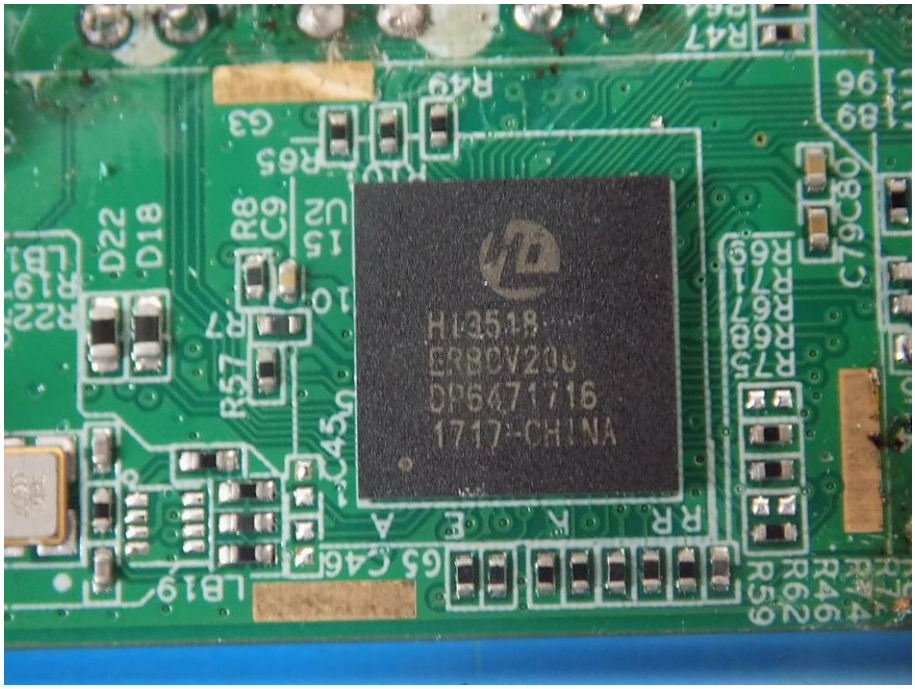


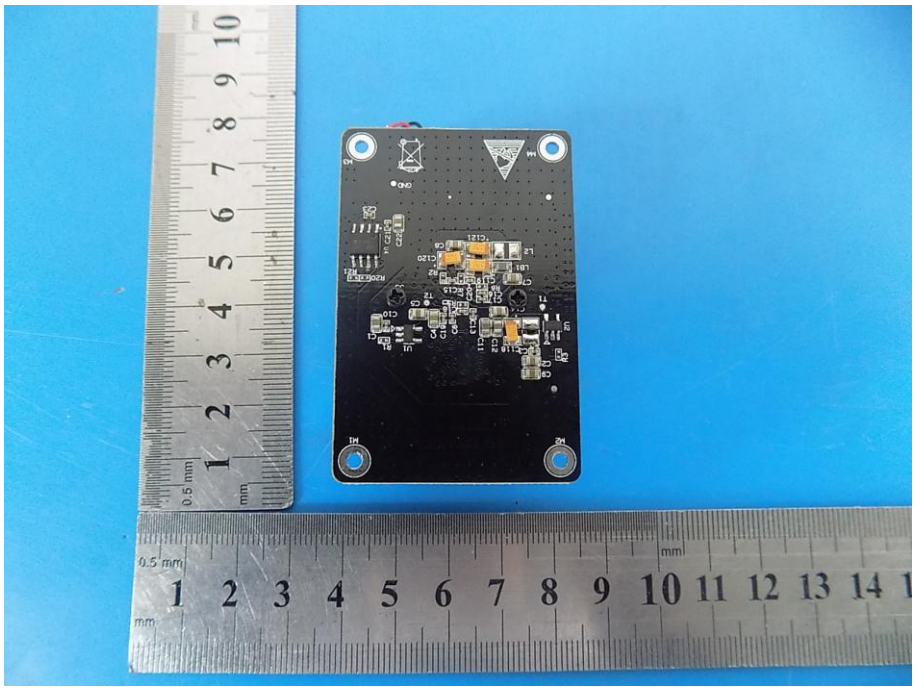

STC
15W408AS
1728HRH782.XA
U18
C170C171 R25

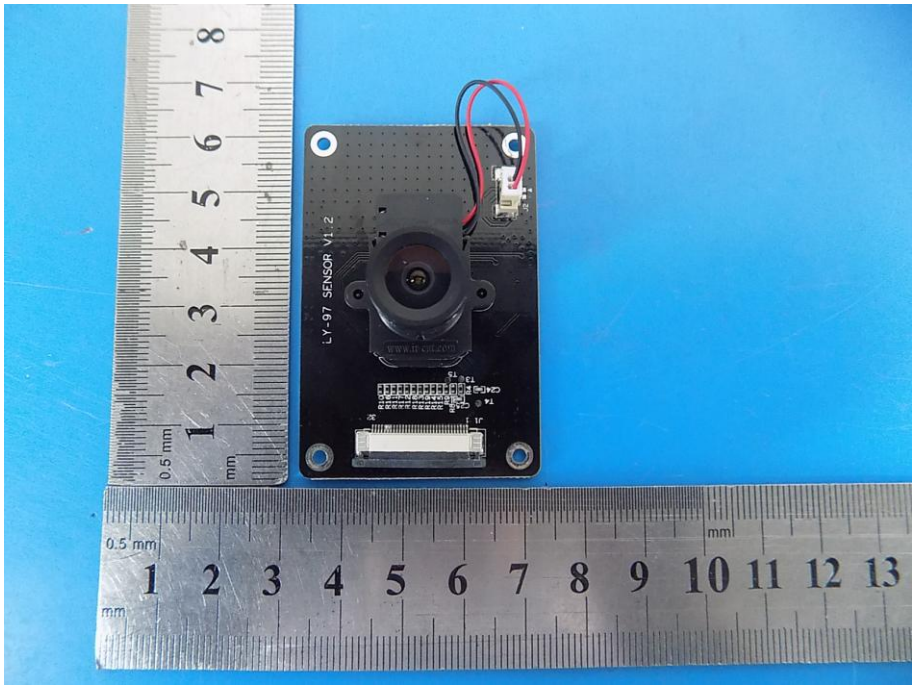

POWER
LED2
C91
C31
C29
40.000
H1718H

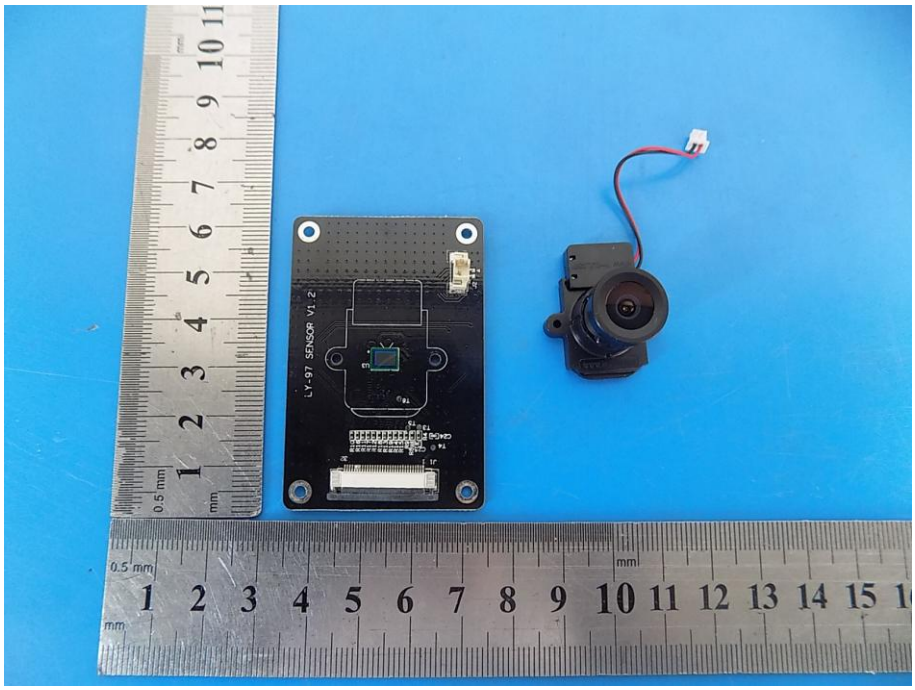


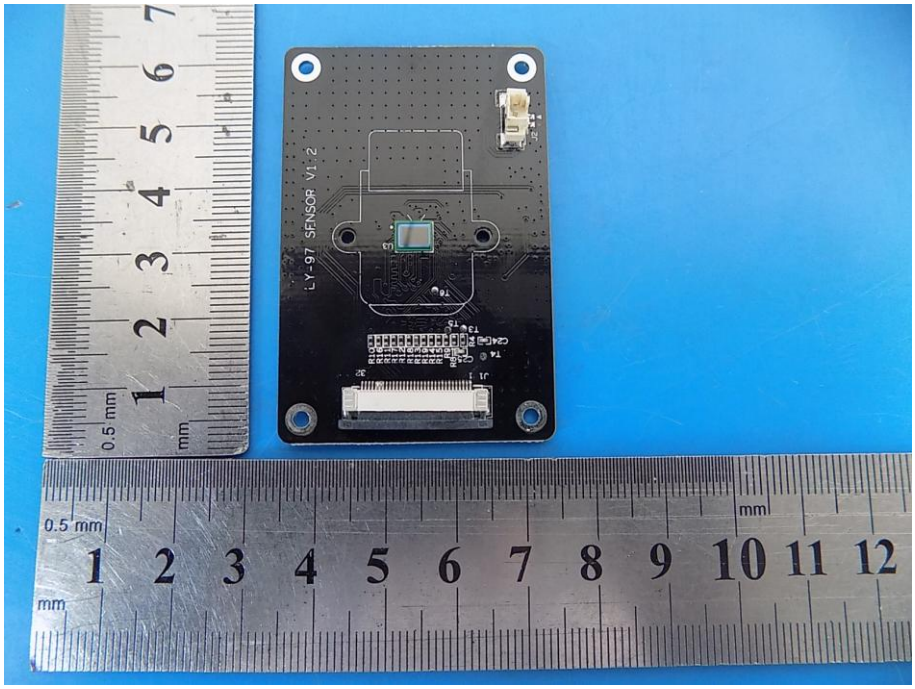



R47
R49
R65
D22
D18
R8
C9
R57
C45
C79
C80
R59
R62
R46
LB19


1 2 3 4 5 6 7 8 9 10
0.5 mm
mm
1 2 3 4 5 6 7 8 9 10 11 12 13 14


LY-97 SENSOR V1.2
0.5 mm
mm
1 2 3 4 5 6 7 8 9 10 11 12 13


LY-97 SENSOR V1.2
0.5 mm
mm
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



---------END OF THE REPORT-------