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FCC Part 15E REPORT

FCC ID: 2AAIYT100C / IC: IC 11216A-T100C

Applicant : EA Excelsior Computer Technology Ltd

**Address : Rm.1901B,International Culture Building, Futian Road,
Futian district, Shenzhen, P.R. China**

Equipment Under Test(EUT):

Name : TABLET PC

Model : T100C, C22L

In Accordance with Standards: FCC PART 15, SUBPART E: 2012 (Section 15.407)/ IC RSS-210 ISSUE 8 with amendment June 2010

Test Procedure Used: ANSI C63.10:2009; ANSI C63.4:2009

Report No : STI130617088-1

Date of Test : July 10-July 30, 2013

Date of Issue : August 1, 2013

Test Result: PASS

In the configuration tested, the EUT complied with the standards specified above

Authorized Signature

(Mark Zhu) General Manager

The manufacture should ensure that all the products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of Shenzhen Certification Technology Service Co., Ltd. Or test done by Shenzhen Certification Technology Service Co., Ltd. Approvals in connection with, distribution or use of the product described in this report must be approved by Shenzhen Certification Technology Service Co., Ltd. Approvals in writing.

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1 General Information

1.1 Description of Device (EUT)

Product Name	: TABLET PC
Model Number	: T100C, C22L
DIFF.	: All model's the function, software and electric circuit are the same, only with a model named different. The test model: T100C.
Power supply	: DC 7.4V Supply by battery DC 19V from adapter with AC 120V/60Hz adapter
Adapter	: Manufacturer: BSC Model No.:BSC60-190250
Operation Frequency	: IEEE 802.11b: 2412MHz-2462MHz IEEE 802.11g: 2412MHz-2462MHz IEEE 802.11n HT20: 2412-2462MHz, 5180MHz-5240MHz, 5745MHz-5825MHz IEEE 802.11n HT40:2422-2452MHz,5190MHz-5230MHz, 5755MHz-5795MHz IEEE 802.11a:5180MHz-5240MHz, 5.745GHz—5.825GHz Bluetooth 4.0: 2402-2480MHz Bluetooth 2.1+EDR: 2402-2480MHz
Channel Number	: IEEE 802.11b/g: 11 Channels IEEE 802.11n HT20 2.4GHz band: 11 Channels IEEE 802.11n HT20 5.2GHz band: 4 Channels IEEE 802.11n HT20 5.8GHz band: 5 Channels IEEE 802.11n HT40 2.4GHz band: 7Channels IEEE 802.11n HT40 5.2GHz band: 2Channels IEEE 802.11n HT40 5.8GHz band: 2Channels IEEE 802.11a 5.2GHz band :4Channels IEEE 802.11a 5.8GHz band :5Channels Bluetooth 4.0:40Channels Bluetooth 2.1+EDR:79Channels
Modulation Technology	: IEEE 802.11b: DSSS(CCK,DQPSK,DBPSK) IEEE 802.11g: OFDM(64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n :OFDM(64QAM, 16QAM, QPSK, BPSK) IEEE 802.11a :OFDM(64QAM, 16QAM, QPSK, BPSK) Bluetooth 2.1+EDR: GFSK, $\pi/4$ DQPSK, 8-DPSK Bluetooth 4.0: GFSK

Data Rate : IEEE 802.11b: 11/5.5/2/1Mbps.
IEEE 802.11g: 54/48/36/24/18/12/9/6Mbps.
IEEE 802.11a: 54/48/36/24/18/12/9/6Mbps
IEEE 802.11n HT20: 130, 117 ,104, 78, 65, 58.5, 52, 39, 26,
19.5,13, 6.5 Mbps
IEEE 802.11n HT40: 270, 243 ,216, 162, 135, 121.5, 108, 81,54,40.5,
27, 13.5Mbps

Antenna Assembly Gain : Integral Antenna, max gain 2 dBi for port 1 with WIFI,
max gain 1 dBi for port 2 with Bluetooth and WIFI.

Applicant : EA Excelsior Computer Technology Ltd
Rm.1901B,International Culture Building, Futian Road, Futian
district, Shenzhen, P.R. China

Manufacturer : EA Excelsior Computer Technology Ltd
Rm.1901B,International Culture Building, Futian Road, Futian
district, Shenzhen, P.R. China

Sample Type : Prototype production

Note: 1. This report only test for WIFI 2.4G and 5.8G, for other radio test see other
test report.

2. EUT has two antenna, port 1 only transmitter WIFI, no transmitter Bluetooth,
Port 2 has transmitter Bluetooth and WIFI, but no simultaneously transmit,
port 1 and port 2 has simultaneously transmit WIFI or WIFI and Bluetooth,
for simultaneously transmit WIFI only transmitter IEEE 802.11n HT20 and
IEEE 802.11n HT40, simultaneously transmit WIFI only simultaneously the
same model and same frequency, not support other simultaneously
transmitter. Port 1 antenna and port 2 antenna see the EUT photo.

1.2 Description of Test Facility

Shenzhen Certification Technology Service Co., Ltd.
2F, Building B, East Area of Nanchang Second Industrial Zone,
Gushu 2nd Road, Bao'an District, Shenzhen 518126, P.R. China
FCC Registered No.:197647
IC Registered No.:8528B

2 EMC Equipment List

Equipment	Manufacture	Model No.	Serial No.	Last cal.	Cal Interval
3m Semi-Anechoic	ETS-LINDGRE N	N/A	SEL0017	Nov. 16, 12	1 Year
Spectrum analyzer	Agilent	E4443A	MY46185649	Oct. 31, 12	1 Year
Receiver	R&S	ESCI	100492	Oct. 31, 12	1 Year
Receiver	R&S	ESCI	101202	Oct. 31, 12	1 Year
Bilog Antenna	Sunol	JB3	A121206	Mar.12, 13	1 Year
Horn Antenna	EMCO	3115	640201028-06	Mar.12, 13	1 Year
ETS Horn Antenna	ETS	3160	SEL0076	Mar.12, 13	1 Year
Active Loop Antenna	Beijing Daze	ZN30900A	SEL0097	Feb.20, 13	1 Year
L.I.S.N.	SCHWARZBE CK	NSLK8126	8126466	Oct. 31, 12	1 Year
Cable	Resenberger	N/A	No.1	Oct. 31, 12	1 Year
Cable	SCHWARZBE CK	N/A	No.2	Oct. 31, 12	1 Year
Cable	SCHWARZBE CK	N/A	No.3	Oct. 31, 12	1 Year
Power Meter	Anritsu	ML2487A	6K00001491	Oct. 31, 12	1 Year
Power sensor	Anritsu	ML2491A	32516	Oct. 31, 12	1 Year
Pre-amplifier	SCHWARZBE CK	BBV9743	9743-019	Oct. 31, 12	1 Year
Pre-amplifier	Quietek	AP-180C	CHM-0602012	Oct. 31, 12	1 Year

3 Test Procedure

POWER LINE CONDUCTED INTERFERENCE: The test procedure used was ANSI Standard C63.4-2003 using a 50 u H LISN. Both Lines were observed. The bandwidth of the receiver was 10kHz with an appropriate sweep speed. The ambient temperature of the EUT was 25°C with a humidity of 58%.

RADIATION INTERFERENCE: The test procedure used was ANSI Standard C63.4-2003 using a ANRITSU spectrum analyzer with a pre-selector. The analyzer was calibrated in dB above a micro volt at the output of the antenna. The resolution bandwidth was 100kHz and the video bandwidth was 300 kHz up to 1 GHz and 1 MHz with a video BW of 3MHz above 1 GHz. The ambient temperature of the EUT was 25°C with a humidity of 58%.

FORMULA OF CONVERSION FACTORS: The Field Strength at 3m was established by adding the meter reading of the spectrum analyzer (which is set to read in units of dBuV) to the antenna correction factor supplied by the antenna manufacturer and cable loss. The antenna correction factors and cable loss are stated in terms of dB. The gain of the Pre-selector was accounted for in the Spectrum Analyzer Meter Reading.

Example:

Freq (MHz) METER READING + ACF + CABLE = FS

33.20 dBuV + 10.36 dB + 0.9 dB= 44.46 dBuV/m @ 3m

ANSI STANDARD C63.4-2003 10.1.7 MEASUREMENT PROCEDURES: The EUT was placed on a table 80 cm high and with dimensions of 1m by 1.5m. The EUT was placed in the center of the table (1.5m side). The table used for radiated measurements is capable of continuous rotation. When an emission was found, the table was rotated to produce the maximum signal strength. At this point, the antenna was raised and lowered from 1m to 4m. The antenna was placed in both the horizontal and vertical planes. The situation was similar for the conducted measurement except that the table did not rotate. The EUT was setup as described in ANSI Standard C63.4-2003 10.1.7 with the EUT 40 cm from the vertical ground wall.

4 Summary of Measurement

4.1 Summary of test result

The EUT have been tested according to the applicable standards as referenced below.		
Description of Test Item	Standard	Results
Peak Output Power	FCC Part 15: 15.407(a) ANSI C63.10: 2009 IC RSS-210 A8	PASS
Bandwidth	FCC Part 15: 15.407(a) ANSI C63.10: 2009 IC RSS-210 A8 IC RSS-210 A 4.6.1	PASS
Power Spectral Density	FCC Part 15: 15.407(a) ANSI C63.10: 2009 IC RSS-210 A8	PASS
Peak Excursion	FCC Part 15: 15.407(a) IC RSS-210 A8	PASS
Frequency Stability	FCC Part 15: 15.407(g) ANSI C63.10: 2009 IC RSS-210 A8	
Radiated Emission	FCC Part 15: 15.407(b) FCC Part 15: 15.209 ANSI C63.10: 2009 IC RSS-210 A8	PASS
Band Edge Compliance	FCC Part 15: 15.407(b) FCC Part 15: 15.209 ANSI C63.10: 2009 IC RSS-210 A8	PASS
Power Line Conducted Emission	FCC Part 15: 15.207 ANSI C63.10: 2009 IC RSS Gen 7.2.2	PASS
Antenna requirement	FCC Part 15: 15.203 IC RSS Gen 7.1.4	PASS

Note: The EUT has been tested as an independent unit. And Continual Transmitting in maximum power (The adapter be used during Test)

4.2 Test connection



4.3 Assistant equipment used for test

Description	:	Adapter
Manufacturer	:	BSC
Model No.	:	BSC60-190250

4.4 Test mode

The test software “DRTU.exe” was used to control EUT work in Continuous TX mode, and select test channel, wireless mode and data rate.

Tested mode, channel, and data rate information			
Mode	Data rate (Mbps) see Note	Channel	Frequency (MHz)
IEEE 802.11n HT20	6.5	CH36	5180
	6.5	CH40	5200
	6.5	CH48	5240
IEEE 802.11n HT40	13.5	CH38	5190
	13.5	CH46	5230
IEEE 802.11a	6	CH36	5180
	6	CH40	5200
	6	CH48	5240
Note: According exploratory test and product specification EUT will have maximum output power in those data rate, so those data rate were used for all test.			

4.5 Channel list

For IEEE 802.11 a with 5.2G			
Channel	Frequency (MHz)	Channel	Frequency (MHz)
CH36	5180	CH44	5220
CH40	5200	CH48	5240

For IEEE 802.11 n/HT20 with 5.2G			
Channel	Frequency (MHz)	Channel	Frequency (MHz)
CH36	5180	CH44	5220
CH40	5200	CH48	5240

For IEEE 802.11 n/HT40 with 5.2G			
Channel	Frequency (MHz)	Channel	Frequency (MHz)
CH38	5190	CH46	5230

4.6 Test Conditions

Temperature range	21-25°C
Humidity range	40-75%
Pressure range	86-106kPa

4.7 Measurement Uncertainty (95% confidence levels, k=2)

Item	MU	Remark
Uncertainty for Power point Conducted Emissions Test	2.42dB	
Uncertainty for Radiation Emission test in 3m chamber (below 30MHz)	2.13 dB	Polarize: V
	2.57dB	Polarize: H
Uncertainty for Radiation Emission test in 3m chamber (30MHz to 1GHz)	3.54dB	Polarize: V
	4.1dB	Polarize: H
Uncertainty for Radiation Emission test in 3m chamber (1GHz to 25GHz)	2.08dB	Polarize: H
	2.56dB	Polarize: V
Uncertainty for radio frequency	1×10 ⁻⁹	
Uncertainty for conducted RF Power	0.65dB	
Uncertainty for temperature	0.2°C	
Uncertainty for humidity	1%	
Uncertainty for DC and low frequency voltages	0.06%	

5 Peak Output power

5.1 Limit

For the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed the lesser of 50 mW or $4 \text{ dBm} + 10\log B$, where B is the 26-dB emission bandwidth in MHz. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

5.2 Test Procedure

1, Connected the EUT's antenna port to peak power meter by 20dB attenuator.

2, Measure out each mode and each bands peak output power of EUT.

Note: The cable loss and attenuator loss were offset into measure device as amplitude offset.

5.3 Test Result

EUT: Tablet PC M/N: T100C					
Test date: 2013-07-10		Test site: RF site		Tested by: Simple Guan	
Mode	Frequency (MHz)	Port 1 -26dB bandwidth (MHz)	Port 2 -26dB bandwidth (MHz)	Port 1 Limit (dBm)	Port 2 Limit (dBm)
IEEE 802.11 a with 5.2G	CH36:5180	19.98	19.45	17.01	16.89
	CH40:5200	21.24	19.51	17.27	16.90
	CH48:5240	24.14	19.00	17.83	16.79
IEEE 802.11 n/HT40 with 2.4G	CH36:5180	20.53	19.99	17.12	17.01
	CH40:5200	20.59	19.83	17.14	16.97
	CH48:5240	22.53	20.03	17.53	17.02
IEEE 802.11 n/HT40 with 5.2G	CH38:5190	38.08	38.21	19.81	19.82
	CH46:5230	42.21	38.09	20.25	19.81
Note: 1 Limit= $4 \text{ dBm} + 10\log B$, B is the 26-dB emission bandwidth in MHz. 2 26-dB emission bandwidth result see the section 6 bandwidth test result. 3 $50\text{mW}=17\text{dBm}$.					

EUT: Tablet PC		M/N: T100C		
Test date: 2013-07-10		Test site: RF site		Tested by: Simple Guan
Mode	Frequency (MHz)	PK Output power (dBm)	Limit (dBm)	Margin (dB)
IEEE 802.11 a with 5.2G	CH36:5180	13.85	17.00	3.15
	CH40:5200	13.80	17.00	3.20
	CH48:5240	14.51	17.00	2.49
IEEE 802.11 n/HT40 with 2.4G	CH36:5180	13.74	17.00	3.18
	CH40:5200	13.79	17.00	2.79
	CH48:5240	13.39	17.00	2.99
IEEE 802.11 n/HT40 with 5.2G	CH38:5190	13.86	17.00	3.14
	CH46:5230	14.72	17.00	2.28
Note: This test with port 1 antenna.				
Conclusion: PASS				

EUT: Tablet PC		M/N: T100C		
Test date: 2013-07-10		Test site: RF site		Tested by: Simple Guan
Mode	Frequency (MHz)	PK Output power (dBm)	Limit (dBm)	Margin (dB)
IEEE 802.11 a with 5.2G	CH36:5180	14.18	16.89	2.71
	CH40:5200	14.39	16.90	2.51
	CH48:5240	14.98	16.79	1.81
IEEE 802.11 n/HT20 with 5.2G	CH36:5180	14.18	17.00	2.58
	CH40:5200	14.13	16.97	2.35
	CH48:5240	14.49	17.00	1.90
IEEE 802.11 n/HT40 with 5.2G	CH38:5190	13.22	17.00	3.78
	CH46:5230	12.87	17.00	4.13
Note: This test with port 2 antenna.				
Conclusion: PASS				

EUT: Tablet PC		M/N: T100C		
Test date: 2013-07-10		Test site: RF site		Tested by: Simple Guan
Mode	Frequency (MHz)	PK Output power (dBm)	Limit (dBm)	Margin (dB)
IEEE 802.11 n/HT20 with 5.2G	CH36:5180	16.97	17.00	0.03
	CH40:5200	16.97	17.00	0.03
	CH48:5240	16.98	17.00	0.02
IEEE 802.11 n/HT40 with 5.2G	CH38:5190	16.56	17.00	0.44
	CH46:5230	16.90	17.00	0.10
Note: 1 This result with port 1 and port 2 antenna.				
2 According to KDB 662911, Result power = $10\log(10^{\text{ant1}/10} + 10^{\text{ant2}/10})$				
3 Result unit: W, The end PK Output power result is converted to units of dBm				
Conclusion: PASS				

6 bandwidth

6.1 Limit

No Limit, only for reference.

6.2 Test Procedure

The transmitter output was connected to a spectrum analyzer, The bandwidth of the fundamental frequency was measured by spectrum analyzer with 100kHz RBW and 300 kHz VBW. The 26dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 26dB.

6.3 Test Result

EUT: TABLET PC M/N:T100C	
Power: DC 19V From adapter with AC 120V/60Hz	
Data Rate: 11n HT20: 6.5Mbps; 11n HT40: 13.5Mbps;11a:6MHz	
Ambient Temperature:24℃	Relative Humidity: 62%
Test date:2013-07-25	Test by: Simple Guan

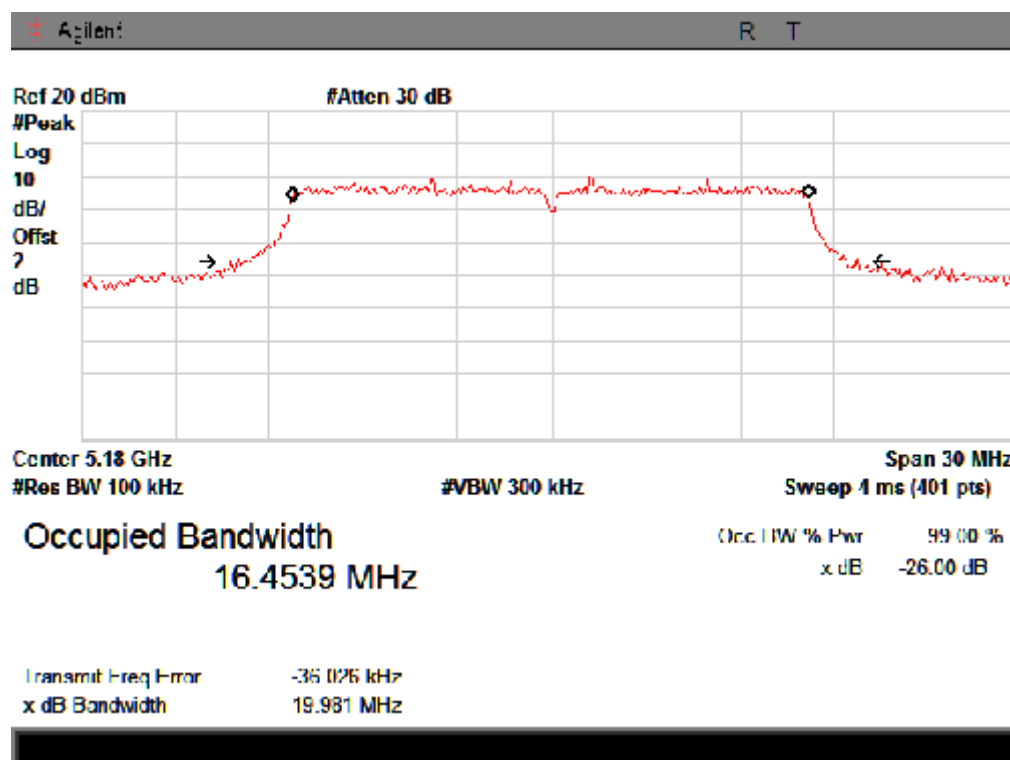
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11 a with 5.2G:					
Low	5180	19.98	16.45	/	PASS
Mid	5200	21.24	16.47	/	PASS
High	5240	24.14	16.54	/	PASS
IEEE 802.11 n/HT20 with 5.2G:					
Low	5180	20.53	17.59	/	PASS
Mid	5200	20.59	17.61	/	PASS
High	5240	22.53	17.67	/	PASS
IEEE 802.11 n/HT40 with 5.2G:					
Low	5190	38.08	35.82	/	PASS
High	5230	42.21	35.87	/	PASS
Note: This test with port 1 antenna.					

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11 a with 5.2G:					
Low	5180	19.45	16.41	/	PASS
Mid	5200	19.51	16.43	/	PASS
High	5240	19.00	16.90	/	PASS
IEEE 802.11 n/HT20 with 5.2G:					
Low	5180	19.99	17.61	/	PASS
Mid	5200	19.83	17.61	/	PASS
High	5240	20.03	17.61	/	PASS
IEEE 802.11 n/HT40 with 5.2G:					
Low	5190	38.21	35.80	/	PASS
High	5230	38.09	35.84	/	PASS
Note: This test with port 2 antenna.					

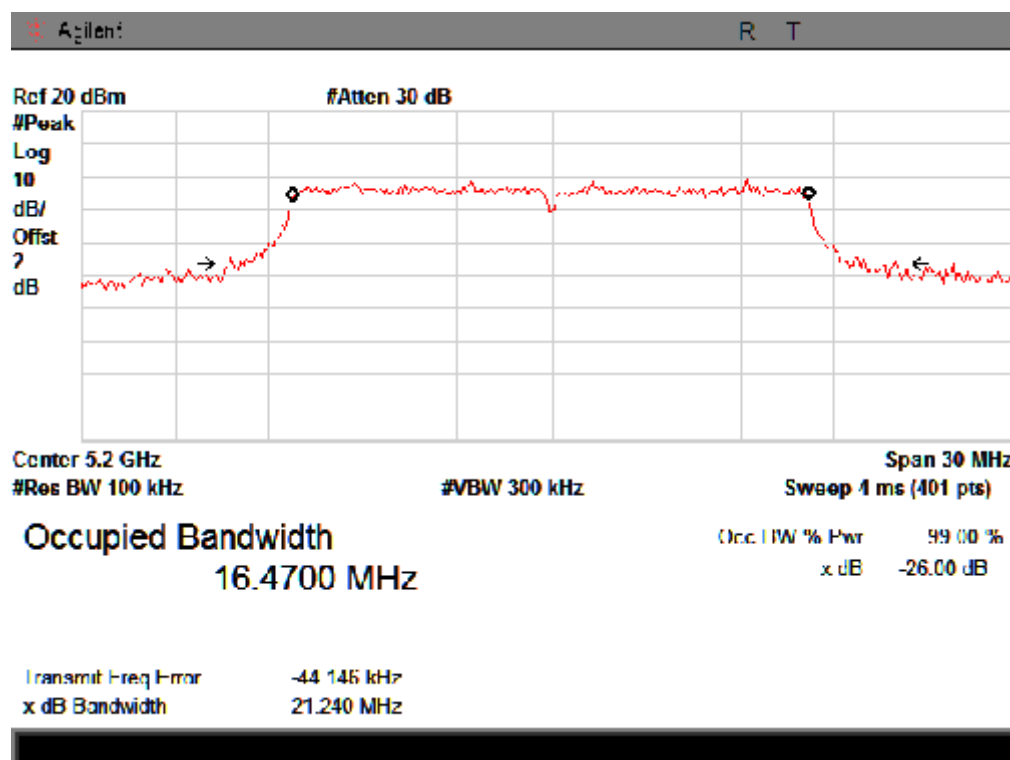
From 1G-25GHz with port 1 antenna

IEEE 802.11a with 5.2G:

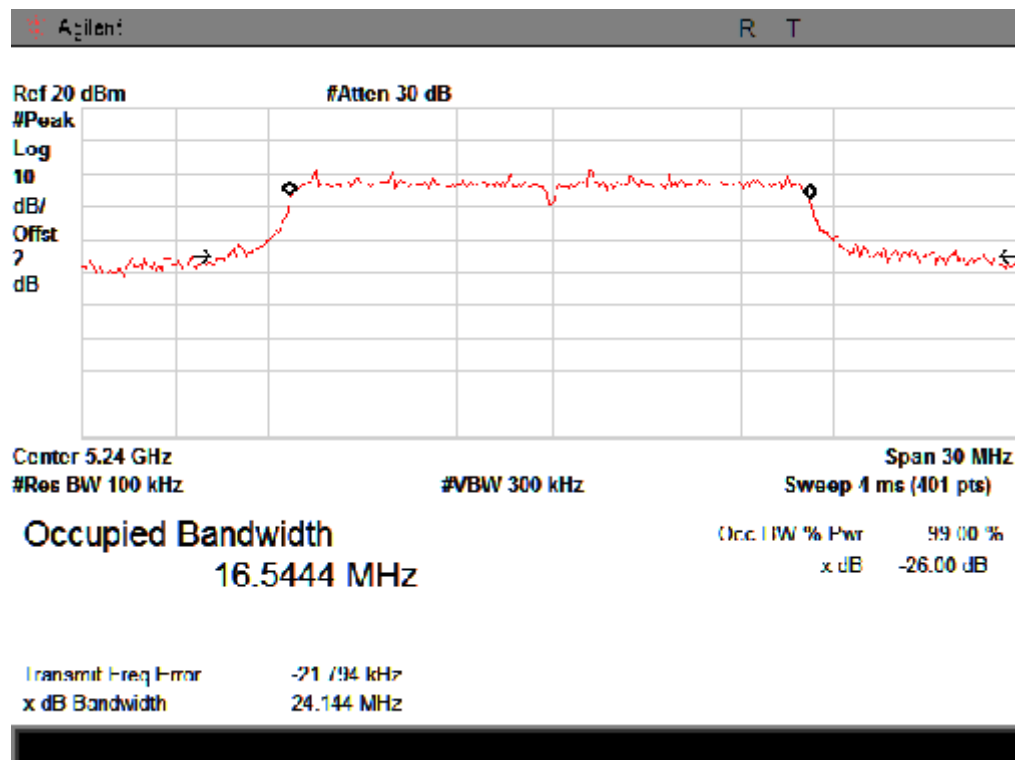
CH Low :



CH Mid :

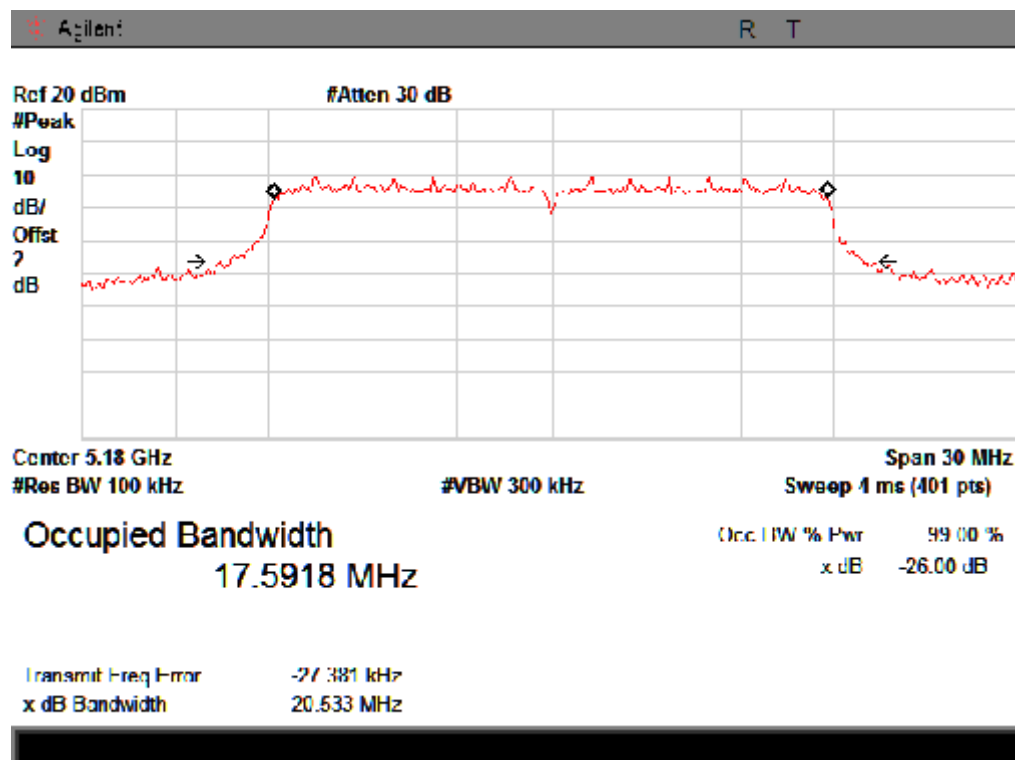


CH High :

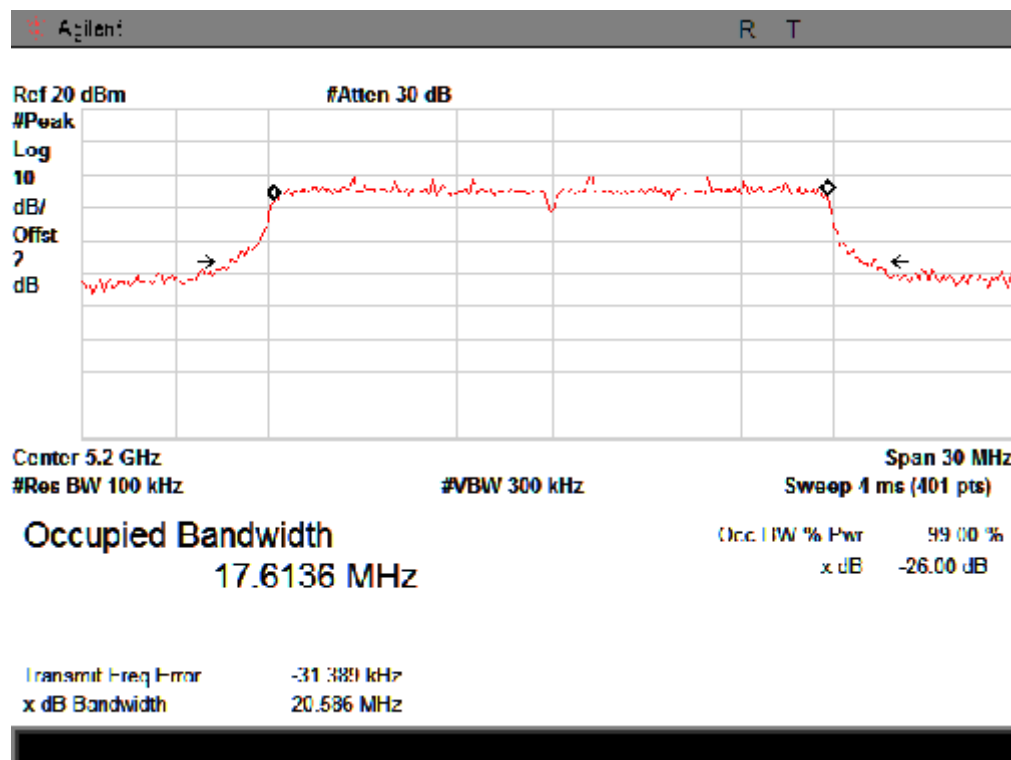


IEEE 802.11n/HT20 with 5.2G:

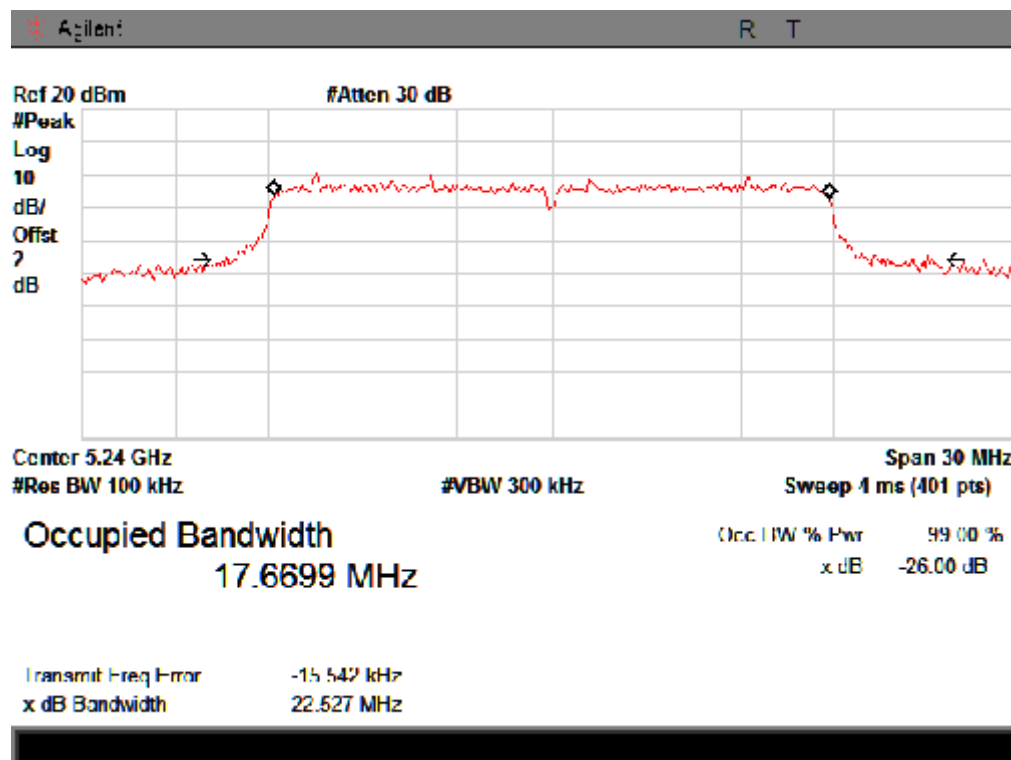
CH Low :



CH Mid :

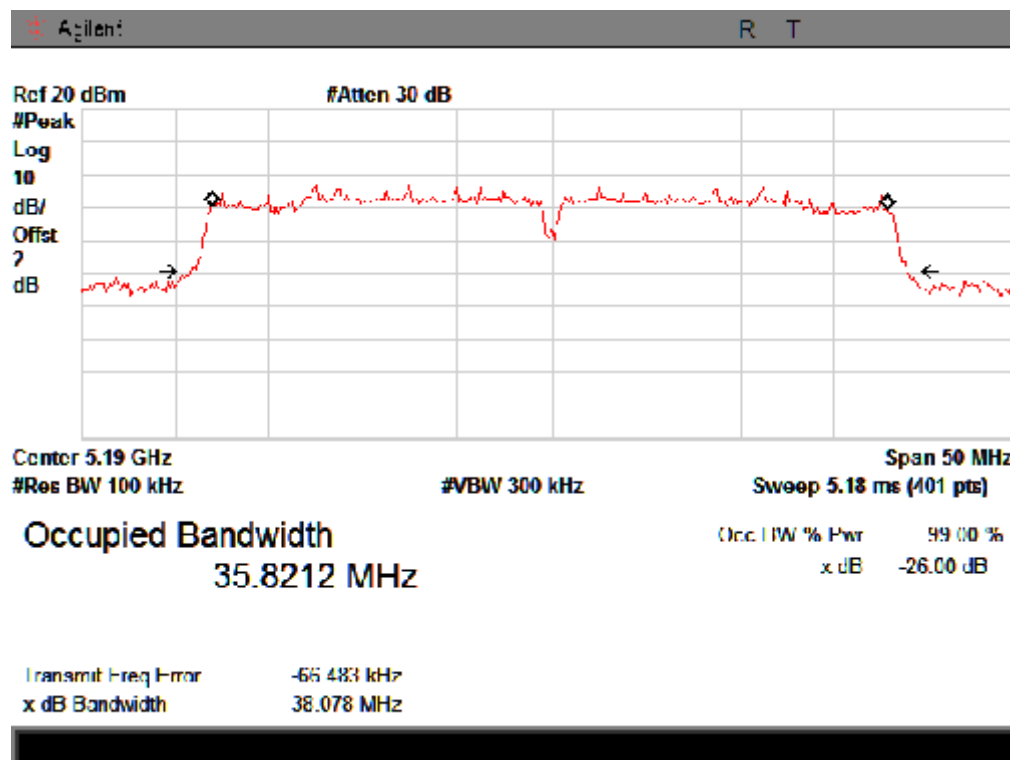


CH High :

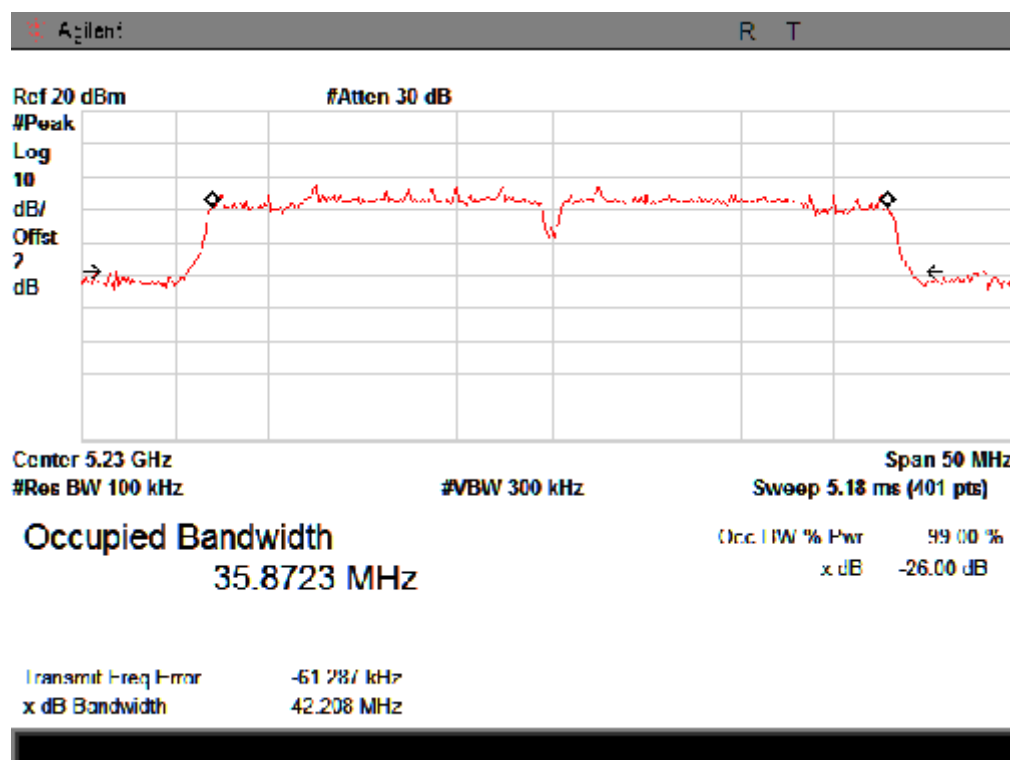


IEEE 802.11n/HT40 with 5.2G:

CH Low :



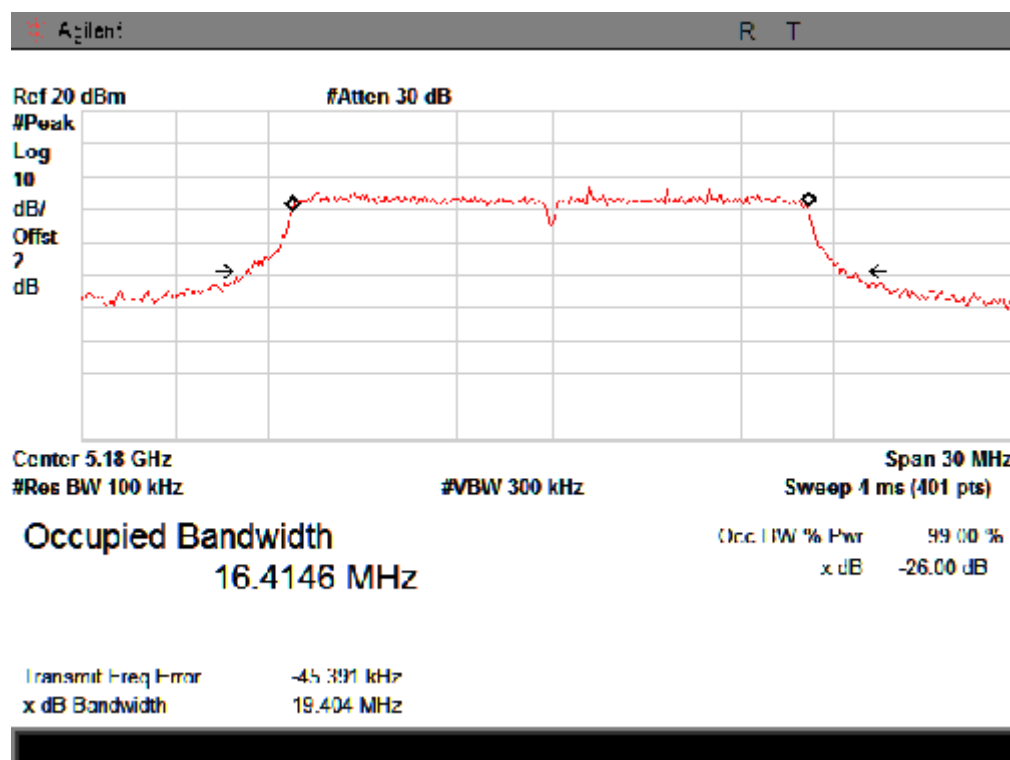
CH High :



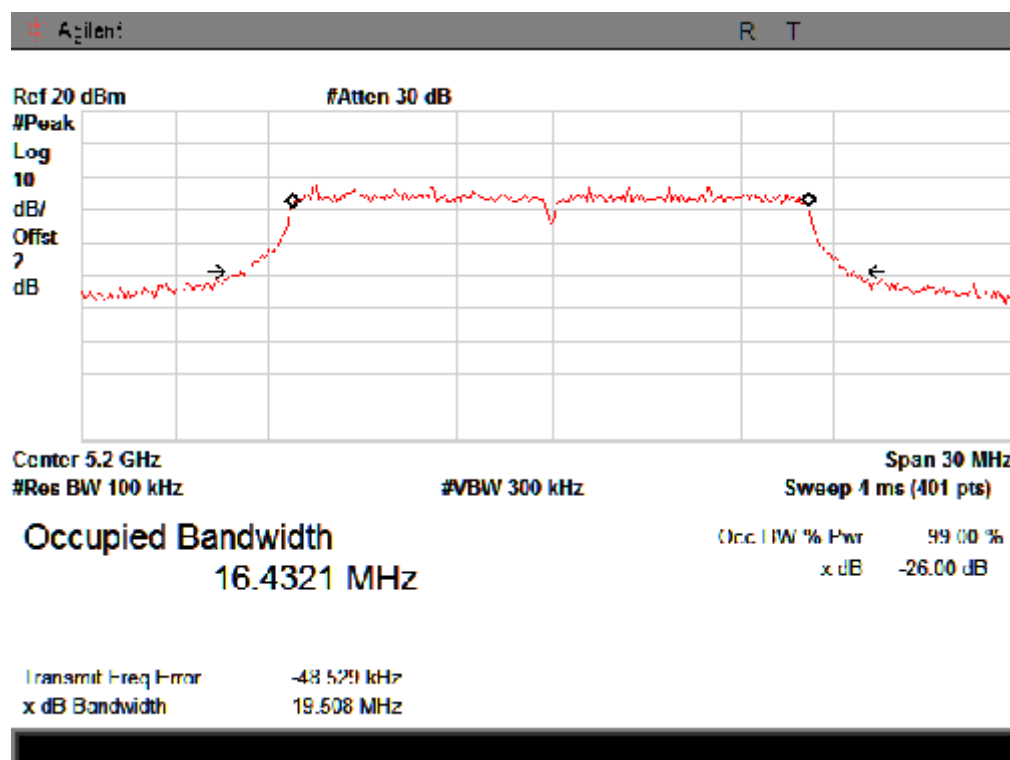
From 1G-25GHz with port 2 antenna

IEEE 802.11a with 5.2G:

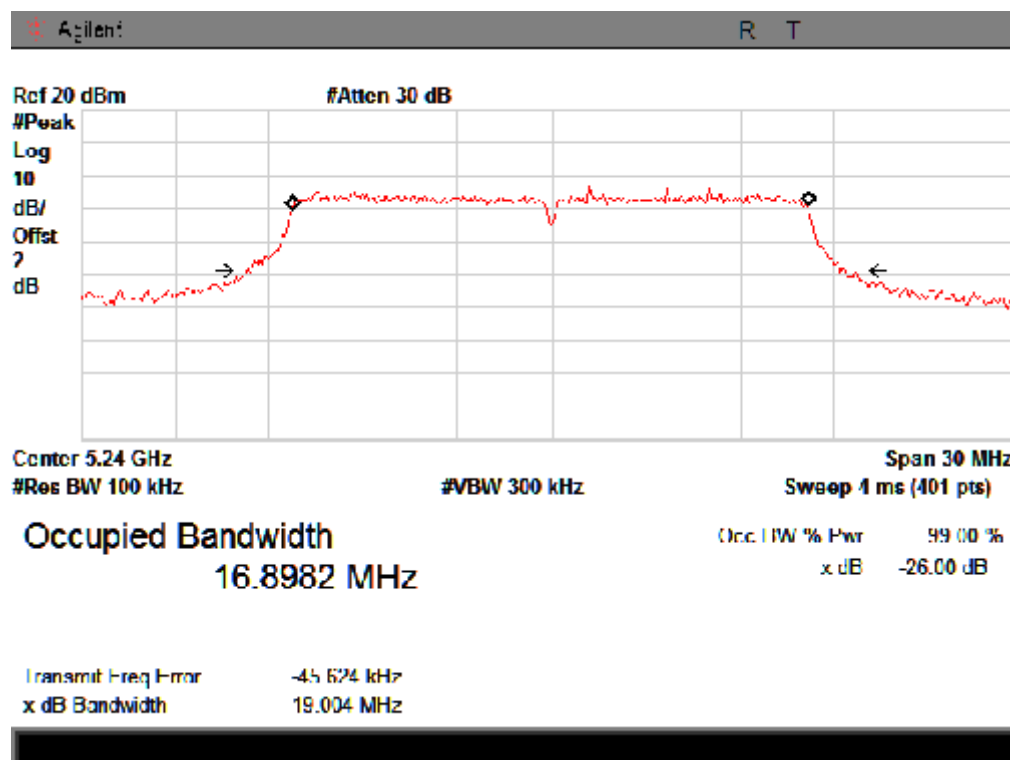
CH Low :



CH Mid :

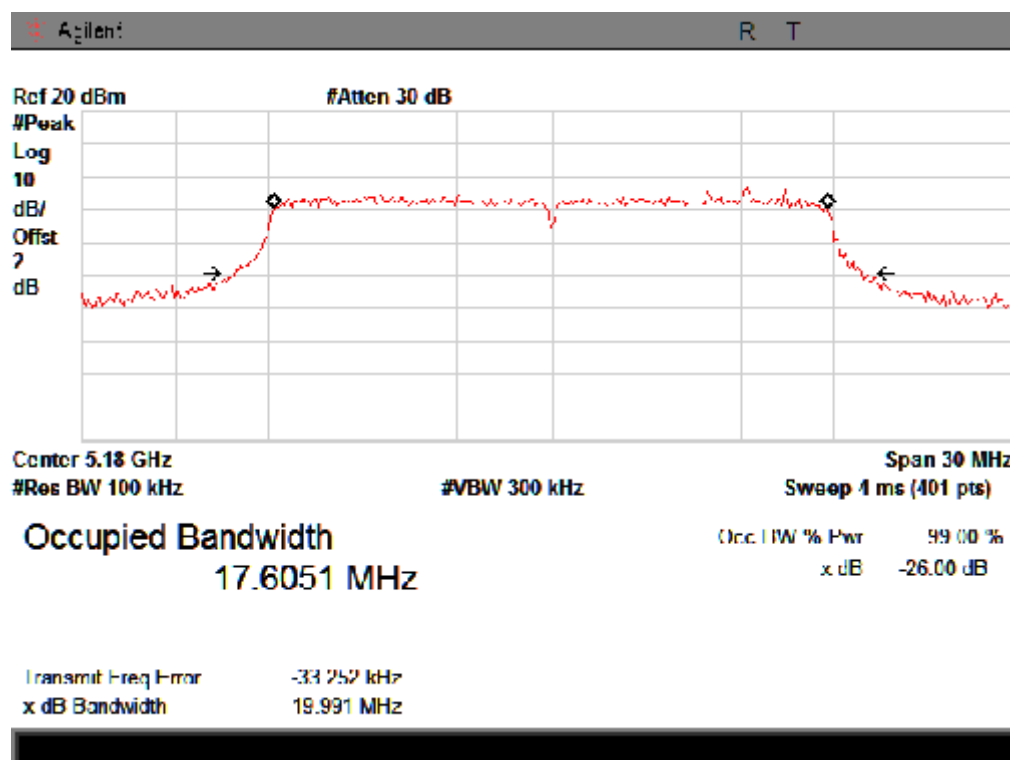


CH High :

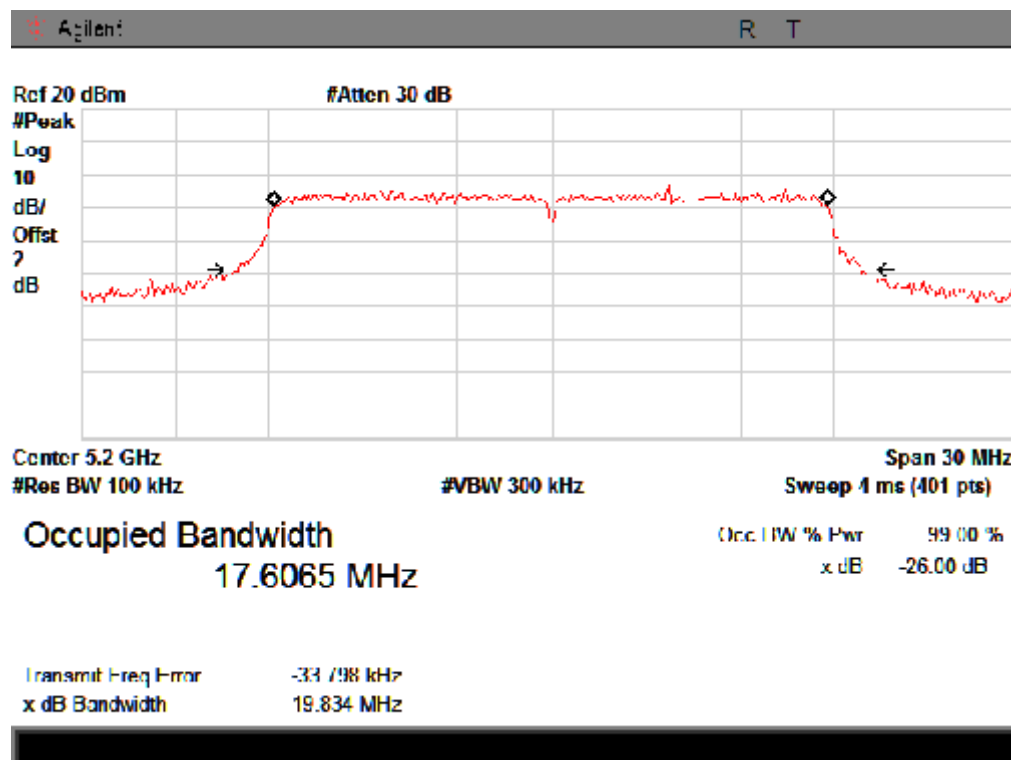


IEEE 802.11n/HT20 with 5.2G:

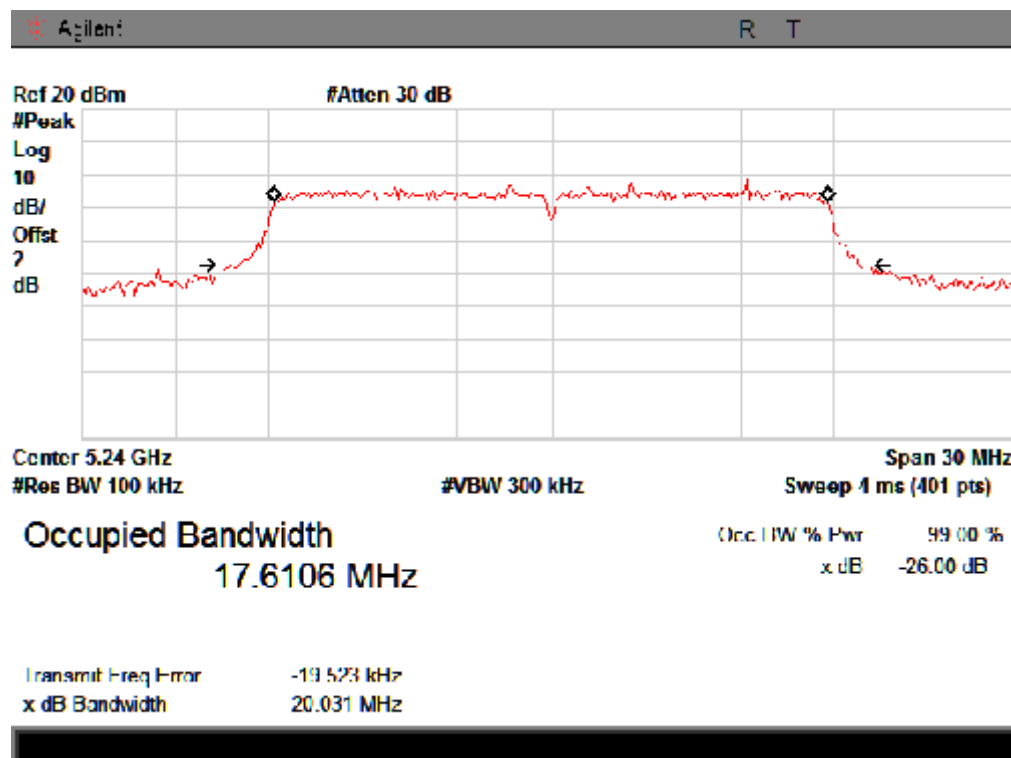
CH Low :



CH Mid :

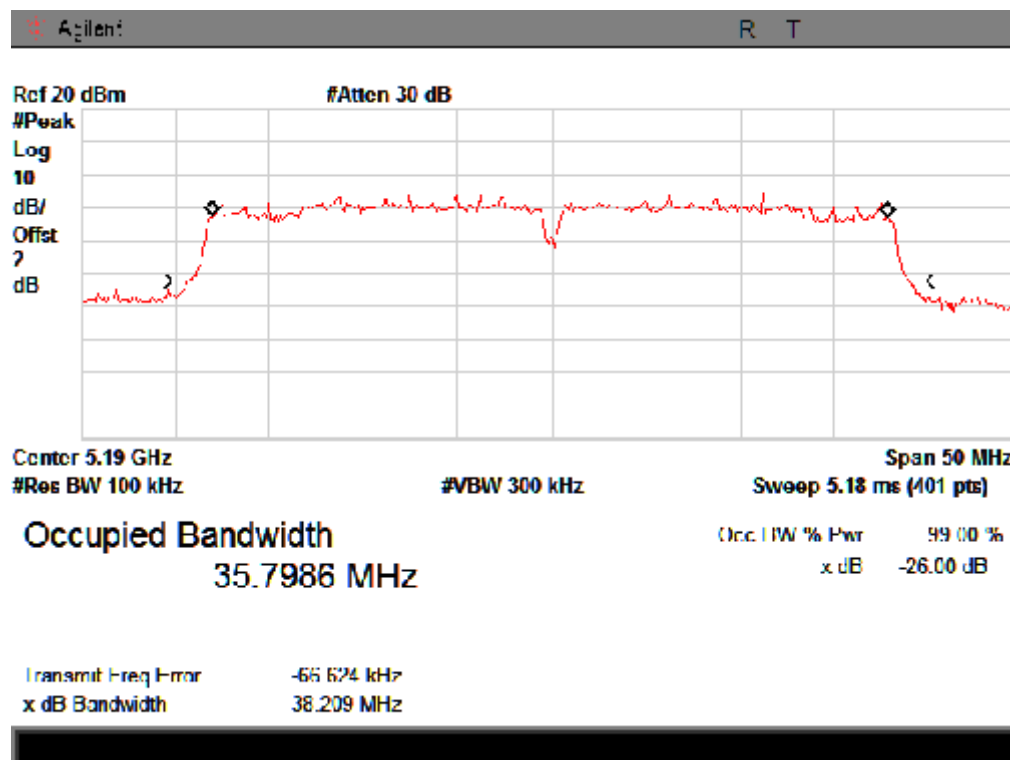


CH High :

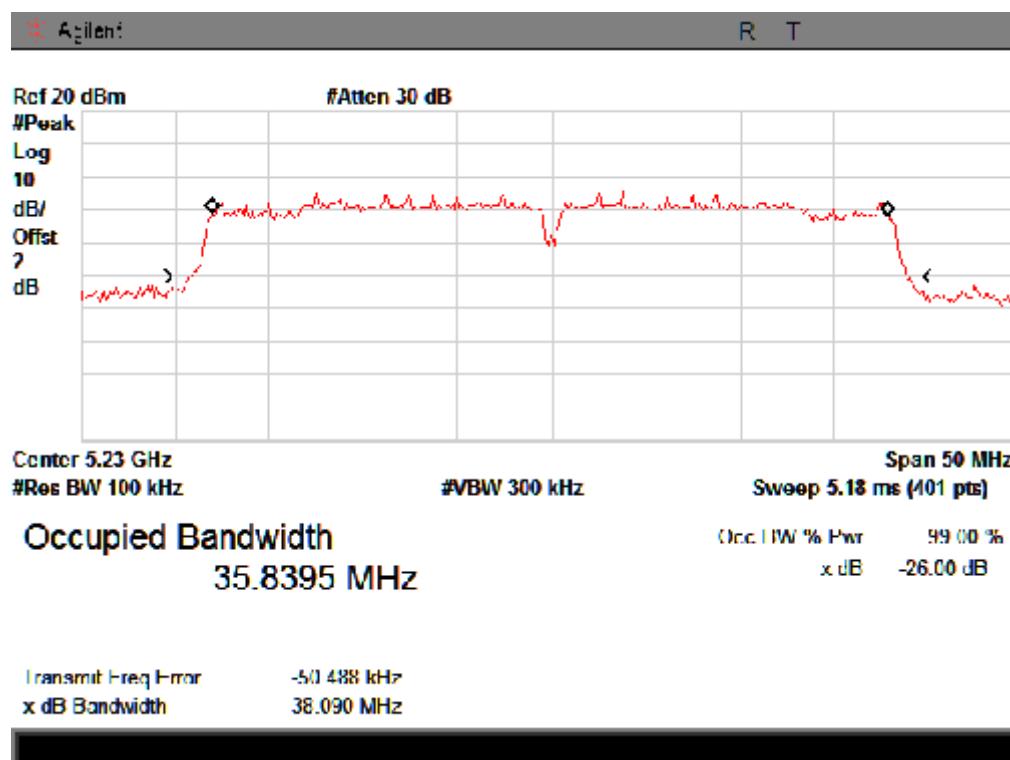


IEEE 802.11n/HT40 with 5.2G:

CH Low :



CH High :



7 Power Spectral Density

7.1 Limit

For the band 5.15-5.25 GHz, the peak power spectral density shall not exceed 4 dBm in any 1-MHz band. If transmitting antennas of directional gain greater than 6 dBi are used, the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

7.2 Test Procedure

Place the EUT on the table and set it in transmitting mode.

- 7.2.2 Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
- 7.2.3 Set the spectrum analyzer as RBW = 3kHz, VBW = 10kHz, span=5-30%EBW, detail see the test plot.
- 7.2.4 Record the max reading.
- 7.2.5 Repeat the above procedure until the measurements for all frequencies are completed.

7.3 Test Result

PASS.

Detailed information please see the following page.

Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limit (dBm)	Result
IEEE 802.11 a with 5.2G:				
Low	5180	-13.87	4	PASS
Mid	5200	-13.73	4	PASS
High	5240	-14.08	4	PASS
IEEE 802.11 n/HT40 with 5.2G:				
Low	5180	-14.75	4	PASS
Mid	5200	-13.70	4	PASS
High	5240	-12.90	4	PASS

IEEE 802.11 n/HT40 with 5.2G:				
Low	5190	-18.08	4	PASS
High	5230	-19.22	4	PASS
Note: This test with port 1 antenna.				

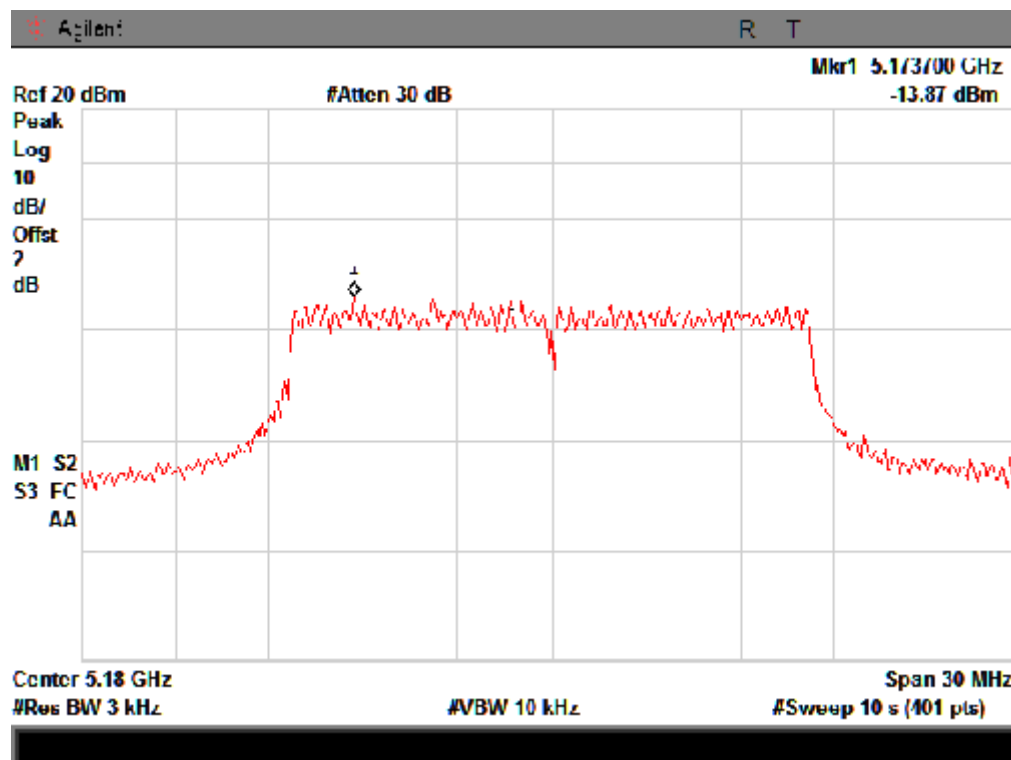
Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limit (dBm)	Result
IEEE 802.11 a with 5.2G:				
Low	5180	-17.25	4	PASS
Mid	5200	-16.06	4	PASS
High	5240	-16.19	4	PASS
IEEE 802.11 n/HT40 with 5.2G:				
Low	5180	-18.50	4	PASS
Mid	5200	-16.16	4	PASS
High	5240	-16.29	4	PASS
IEEE 802.11 n/HT40 with 5.2G:				
Low	5190	-20.79	4	PASS
High	5230	-19.83	4	PASS
Note: This test with port 2 antenna.				

Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limit (dBm)	Result
IEEE 802.11 n/HT40 with 5.2G:				
Low	5180	-13.22	4	PASS
Mid	5200	-11.75	4	PASS
High	5240	-11.26	4	PASS
IEEE 802.11 n/HT40 with 5.2G:				
Low	5190	-16.21	4	PASS
High	5230	-16.50	4	PASS
Note: 1 This result with port 1 and port 2 antenna. 2 According to KDB 662911, Result power = $10\log(10^{\text{ant1}/10} + 10^{\text{ant2}/10})$ 3 Result unit: W, The end PK Output power result is converted to units				

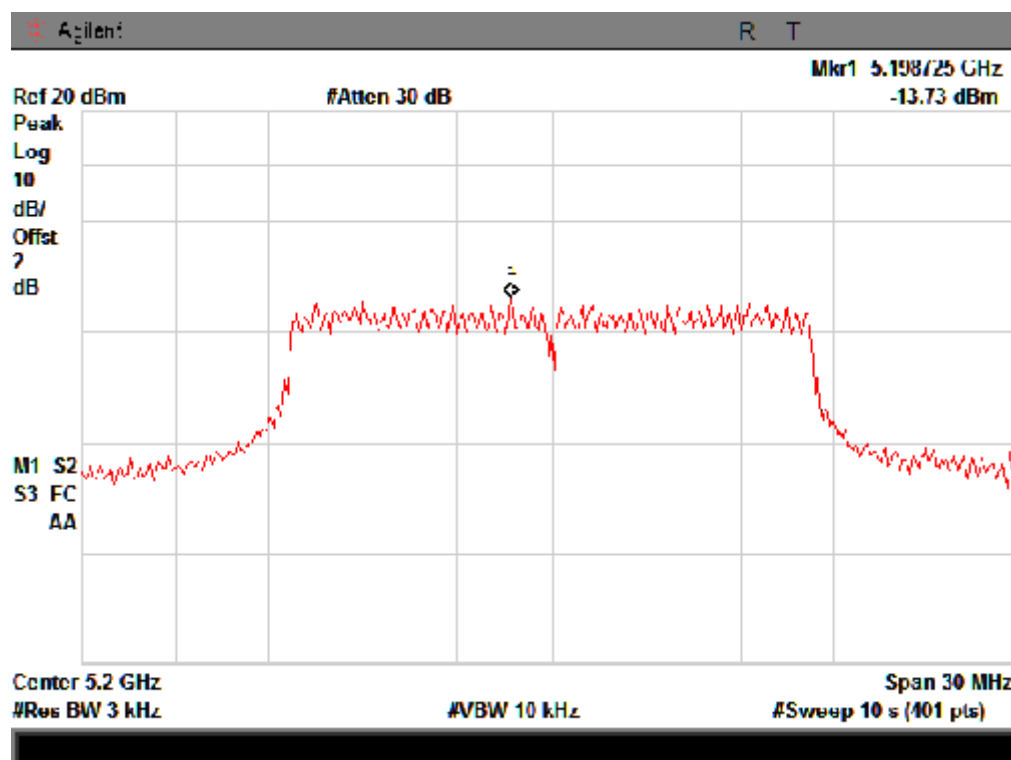
From 1G-25GHz with port 1 antenna

IEEE 802.11a with 5.2G:

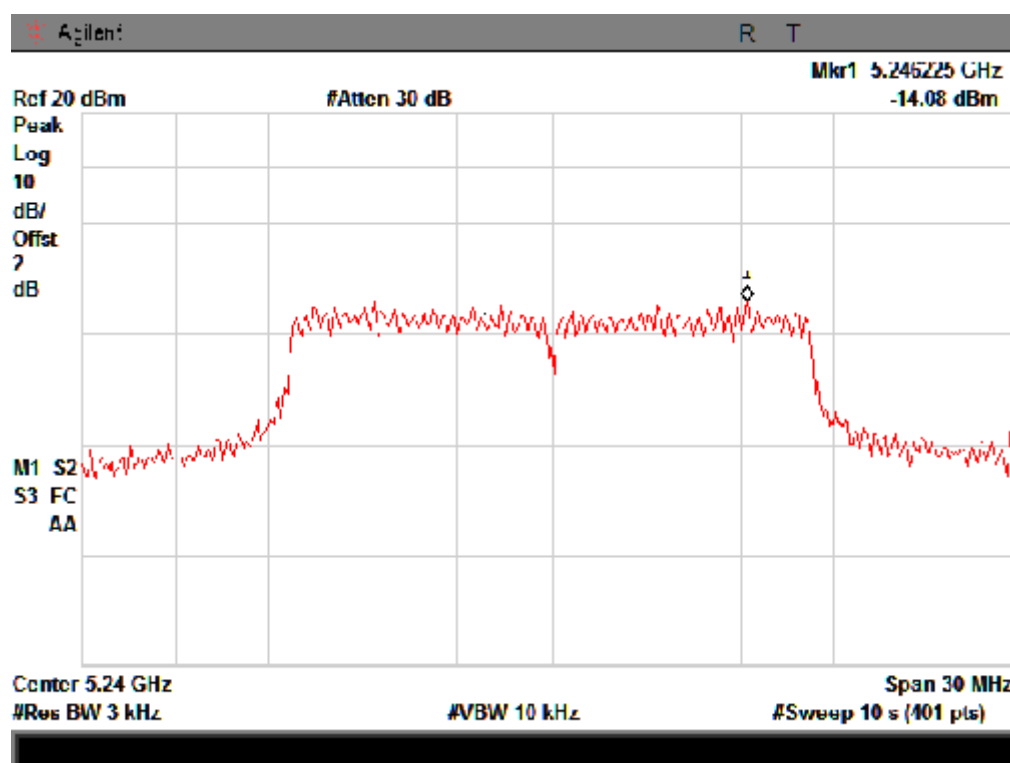
CH Low :



CH Mid :

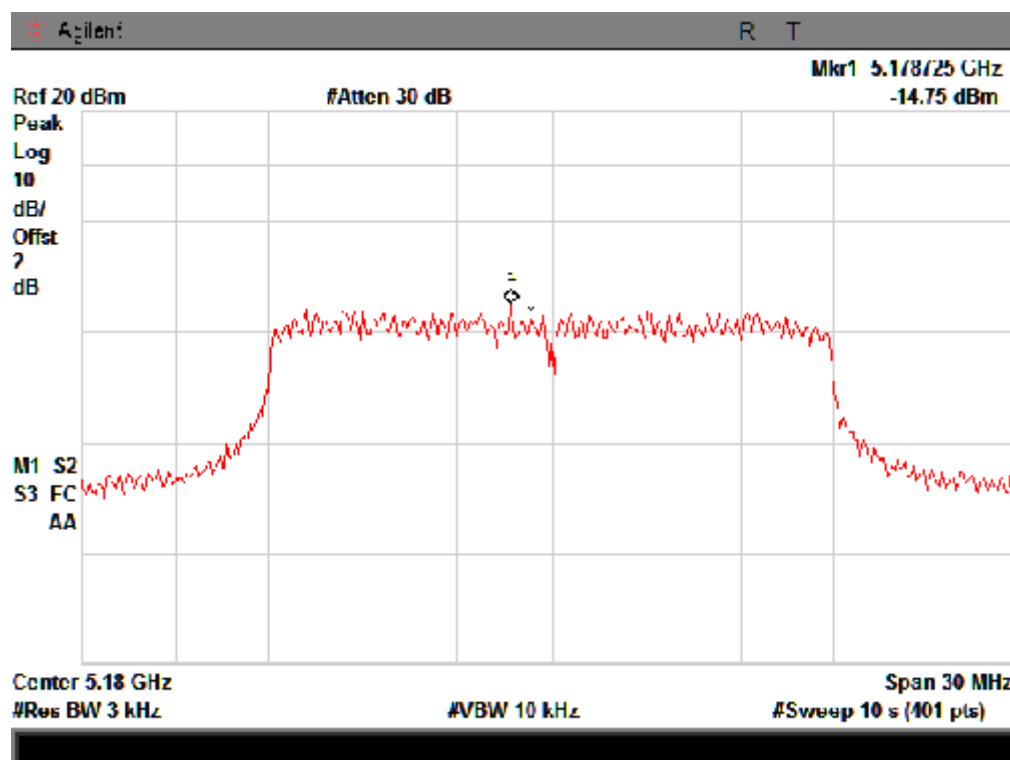


CH High :

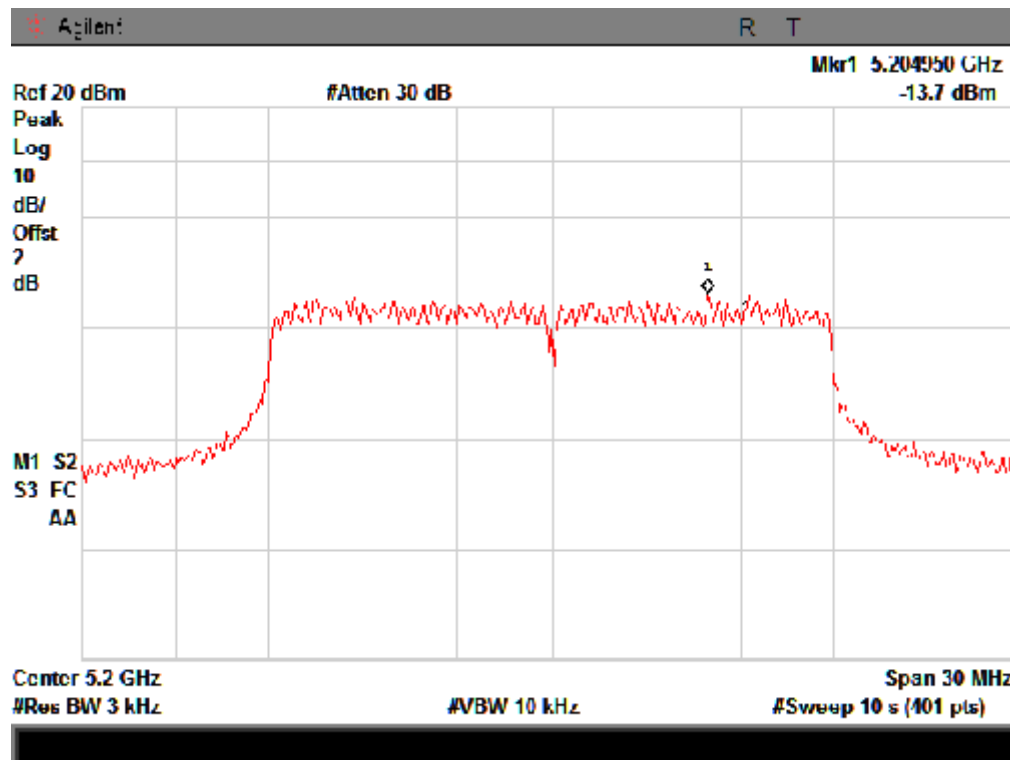


IEEE 802.11n/HT20 with 5.2G:

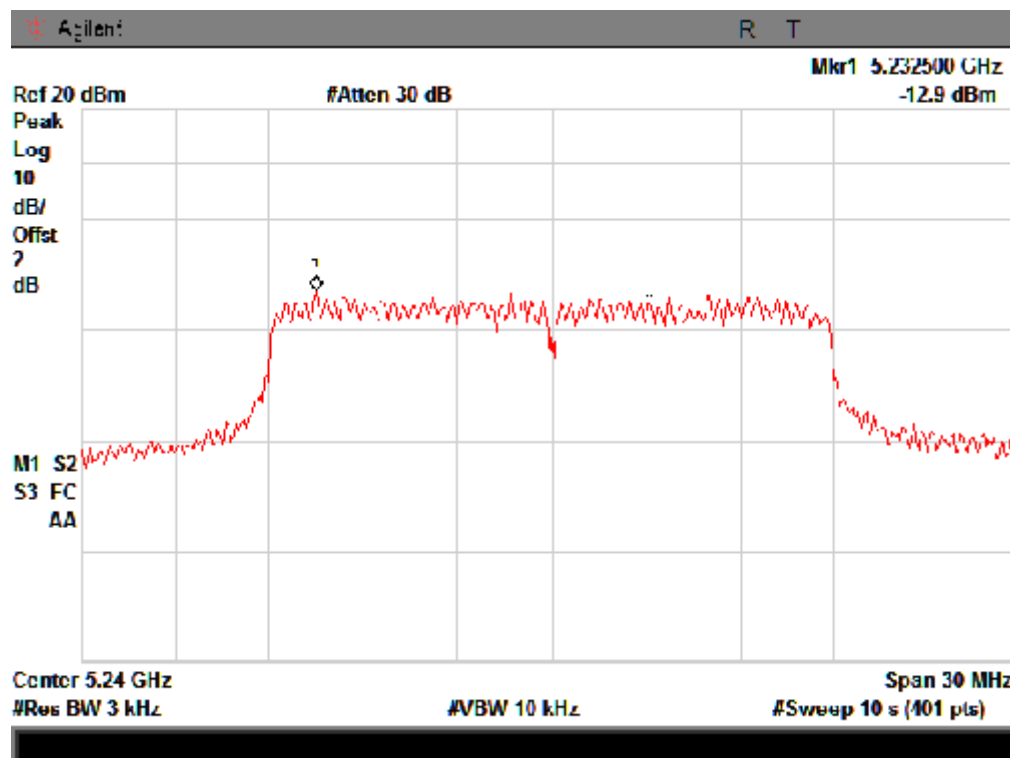
CH Low :



CH Mid :

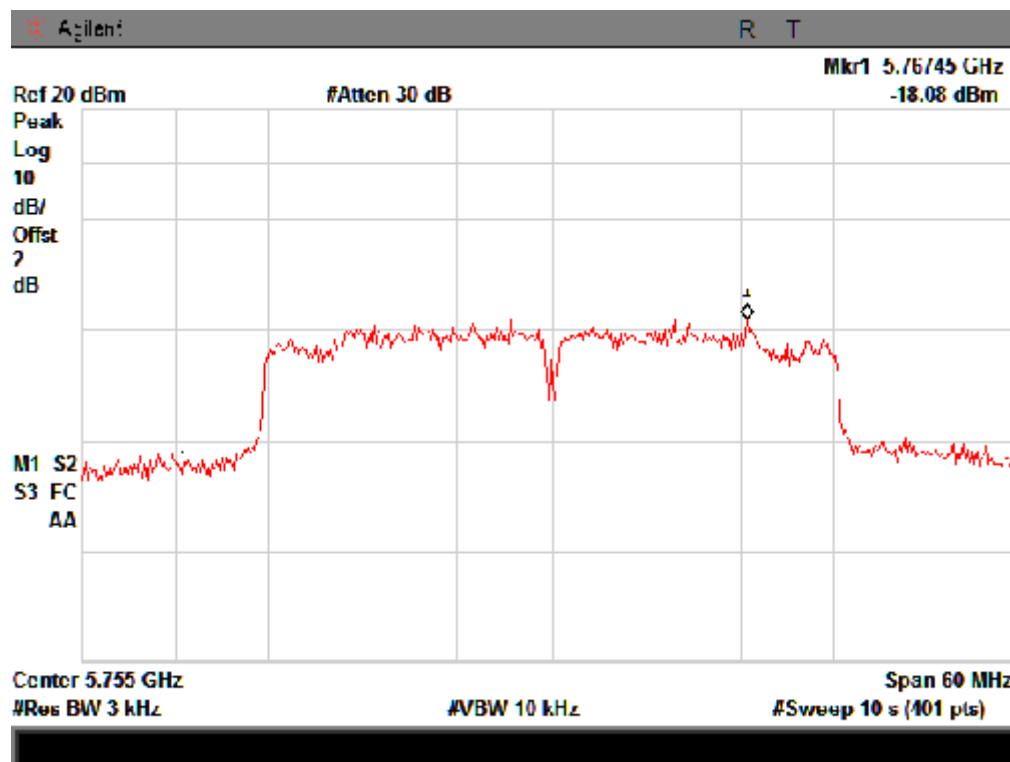


CH High :

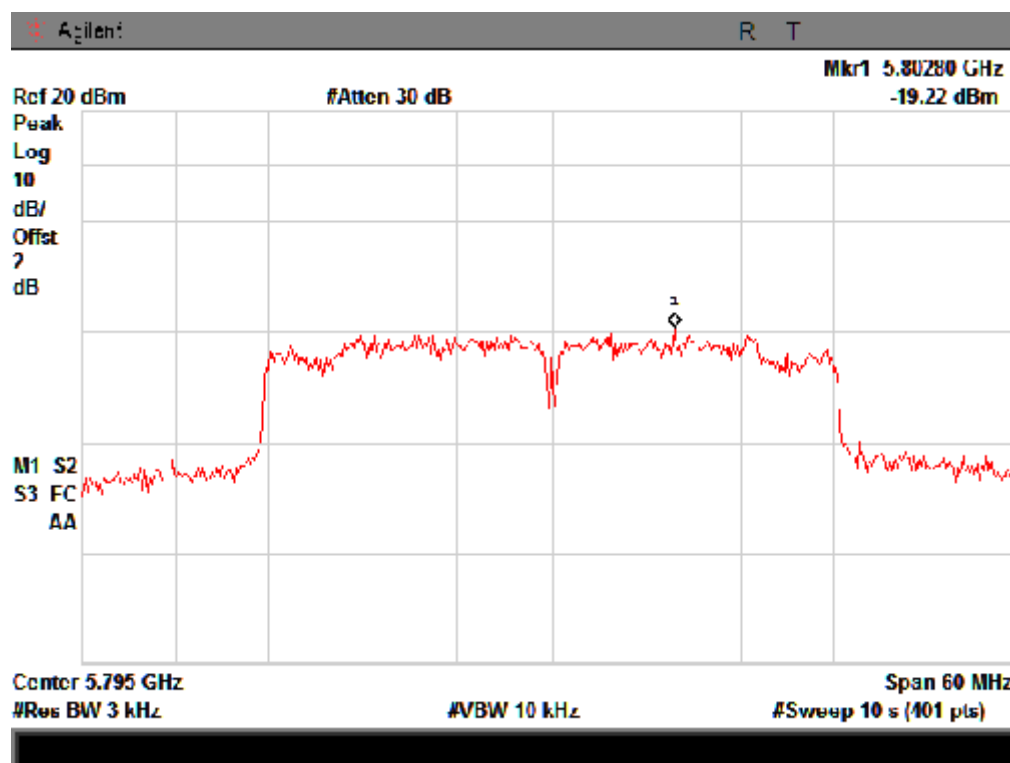


IEEE 802.11n/HT40 with 5.2G:

CH Low :



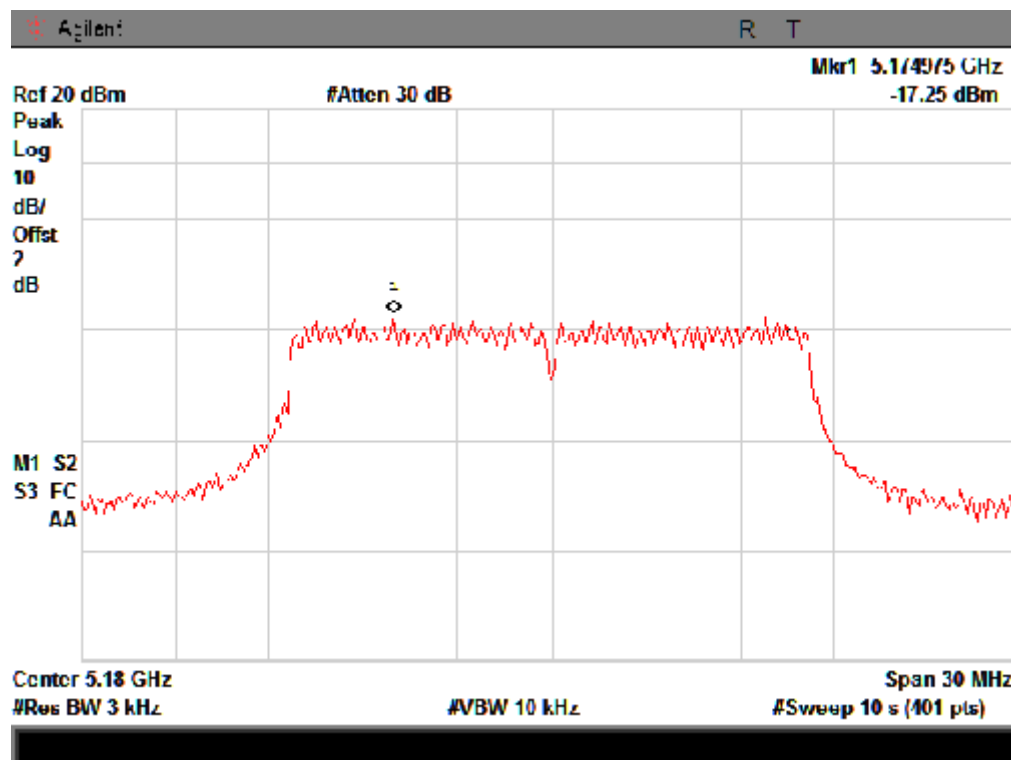
CH High :



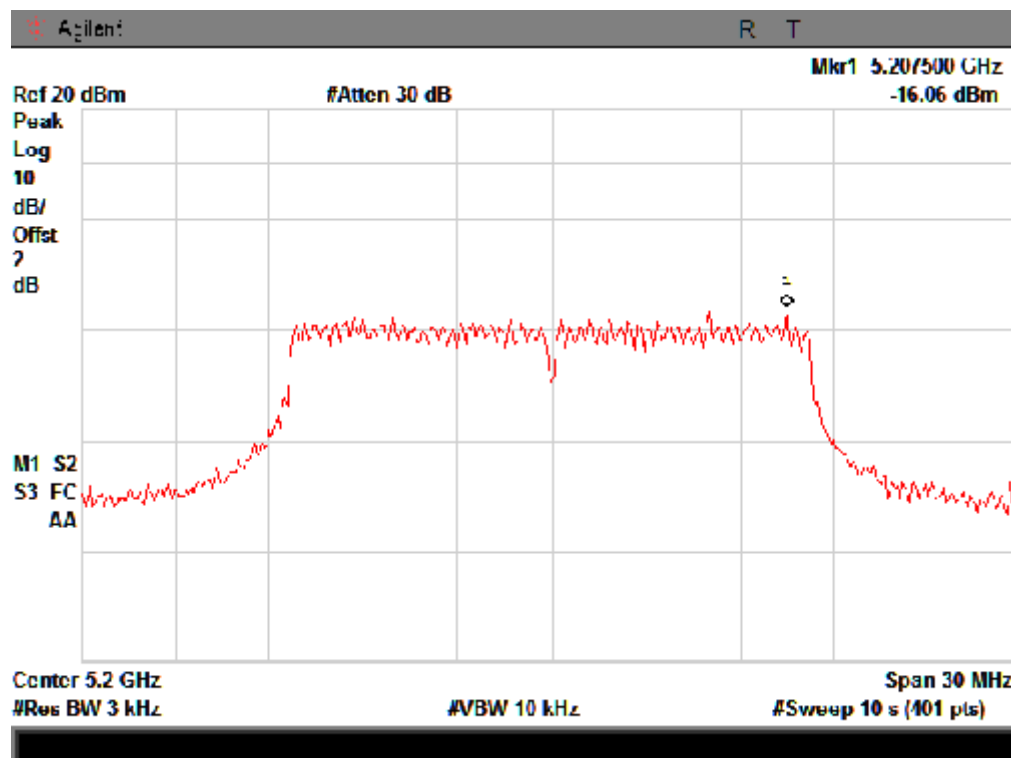
From 1G-25GHz with port 2 antenna

IEEE 802.11a with 5.2G:

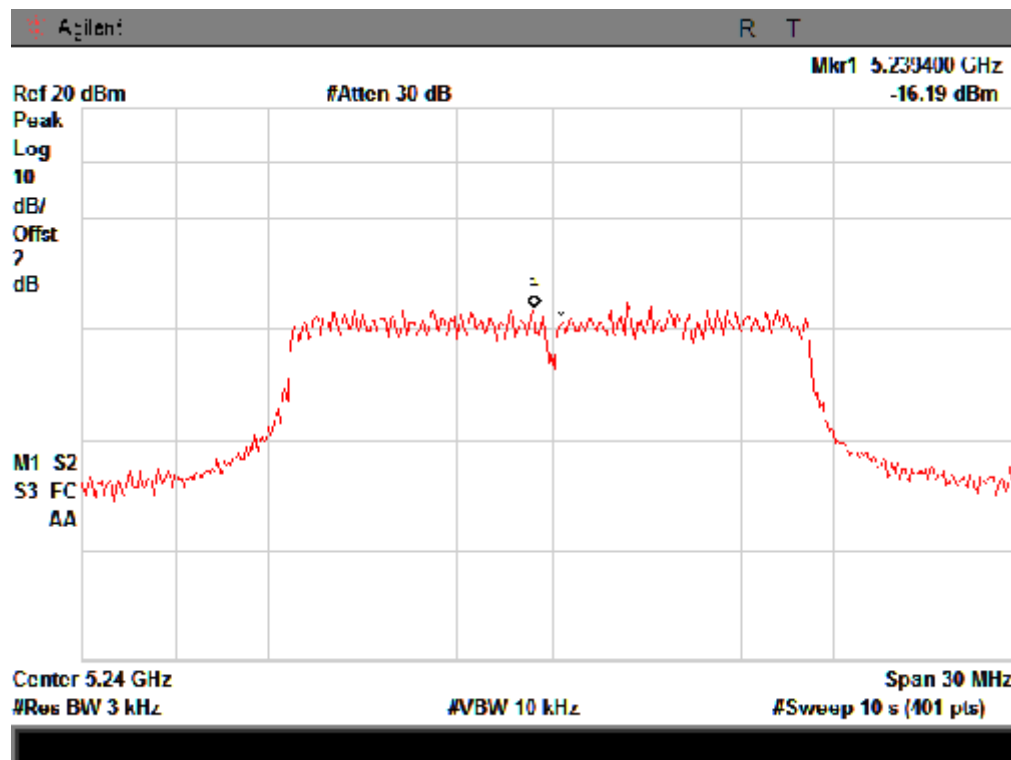
CH Low :



CH Mid :

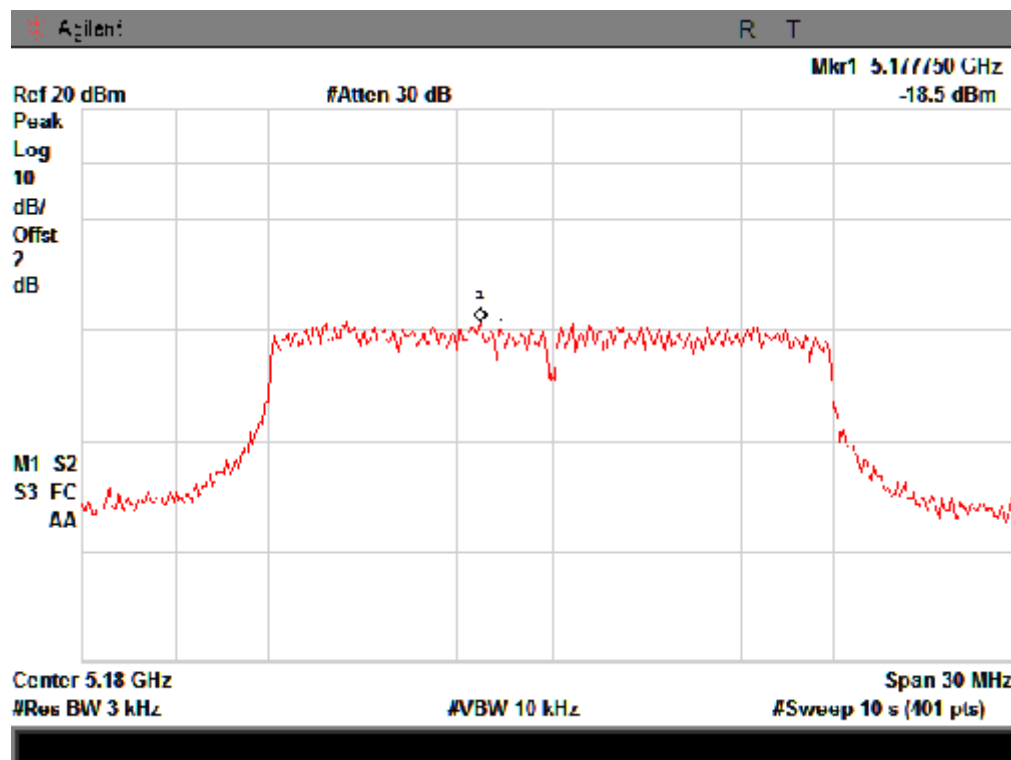


CH High :

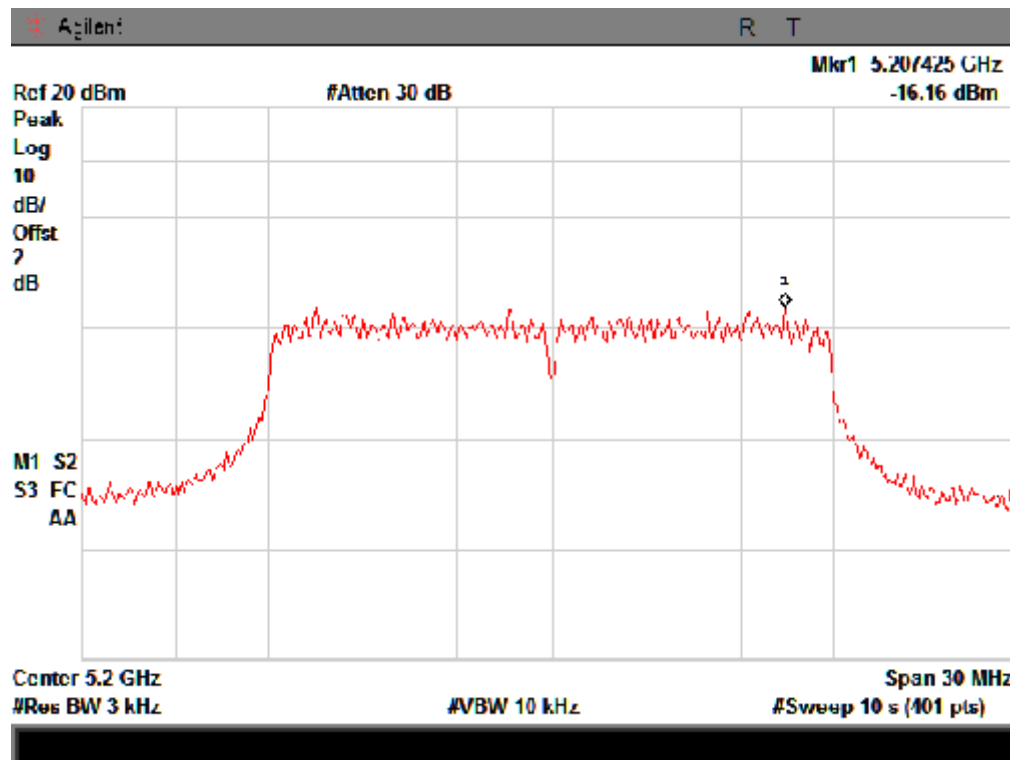


IEEE 802.11n/HT20 with 5.2G:

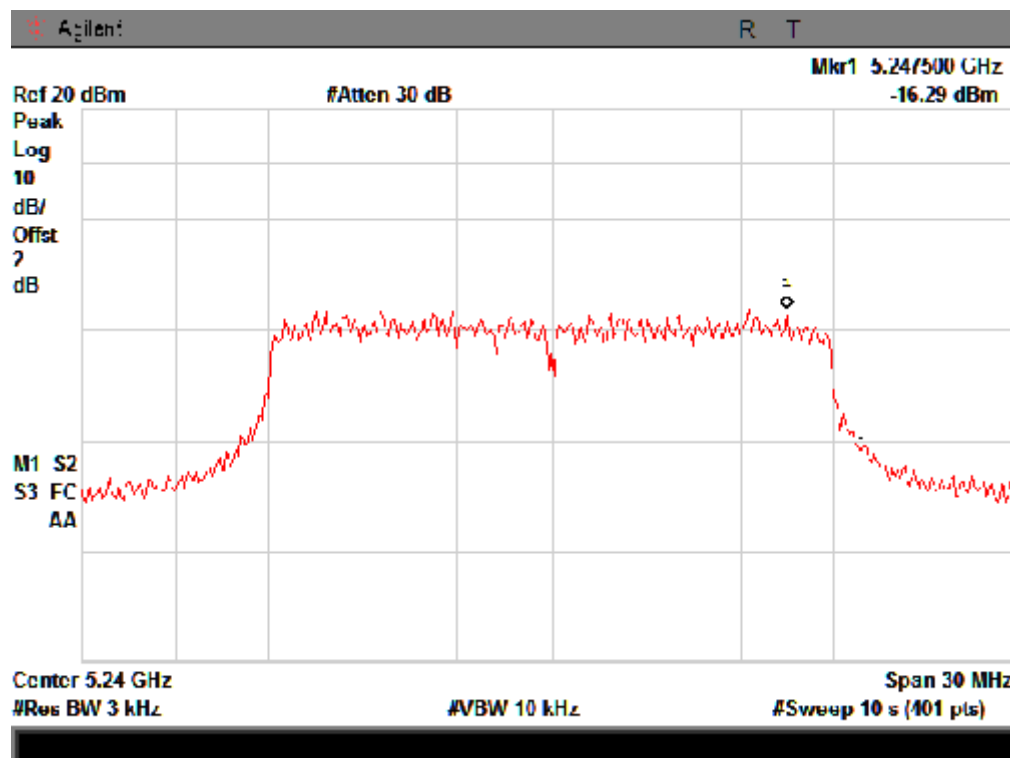
CH Low :



CH Mid :

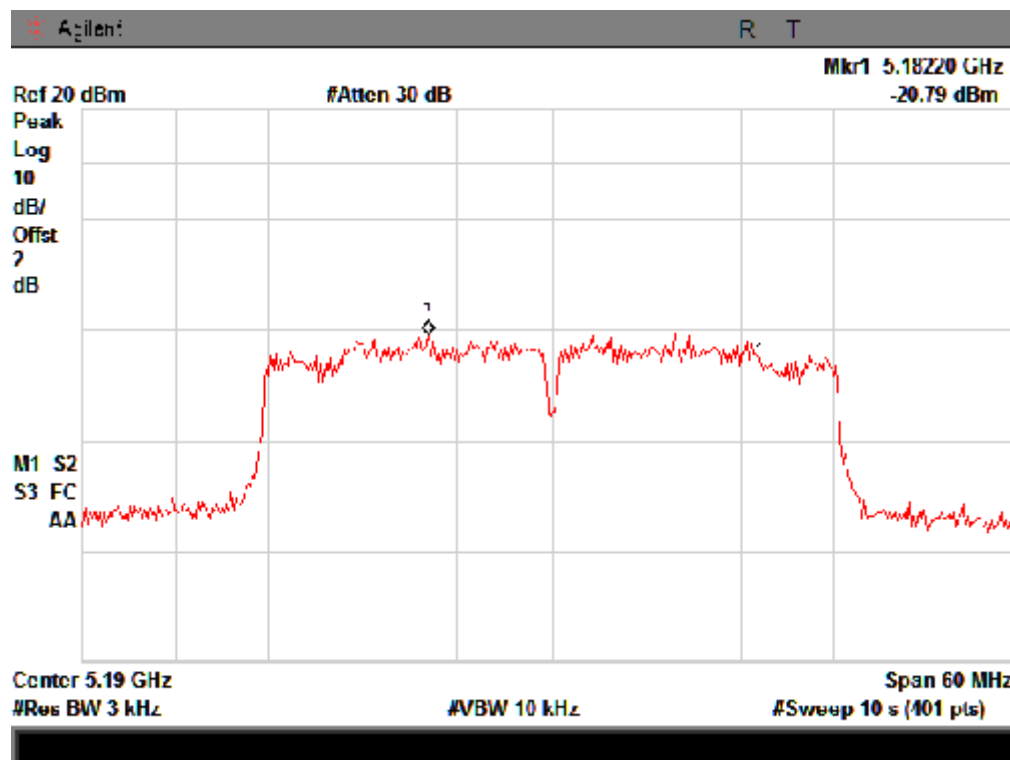


CH High :

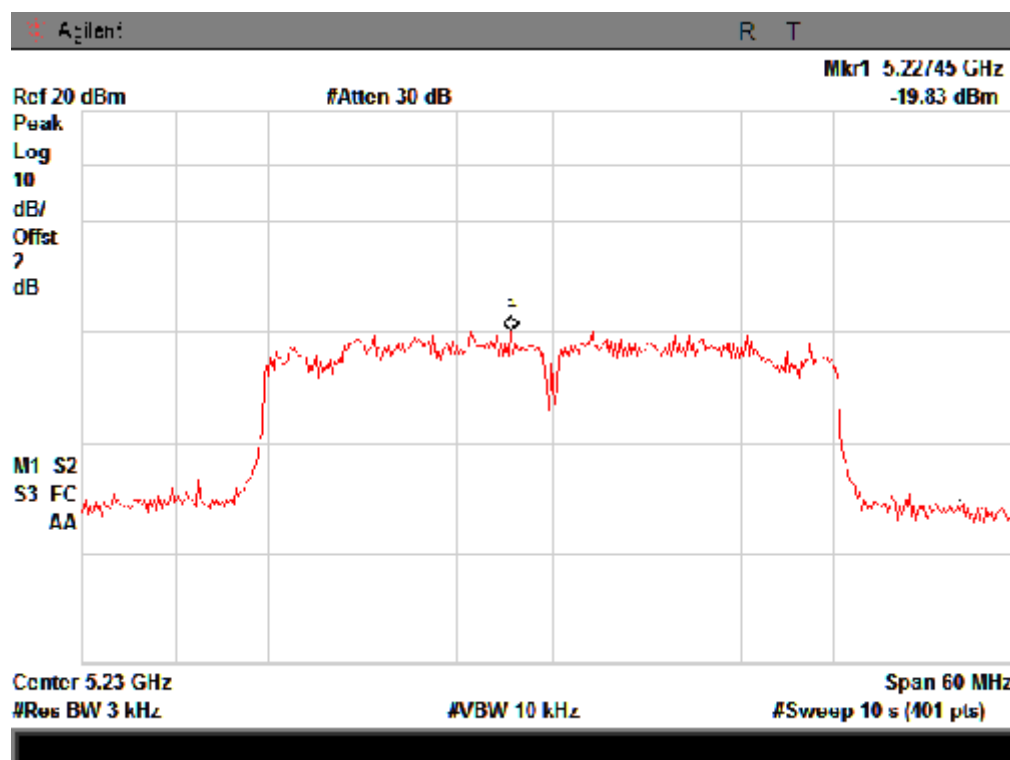


IEEE 802.11n/HT40 with 5.2G:

CH Low :



CH High :



8 Peak Excursion

8.1 Limit

The ratio of the peak excursion of modulation envelope (measured using a peak hold function) to the maximum conducted power (measured as specified above) shall not exceed 13 dB across any 1MHz bandwidth whichever is less.

8.2 Test Procedure

1. The transmitter output (antenna port) was connected to the spectrum analyzer.
2. Set the spectrum analyzer span to view the entire emissions bandwidth. The largest difference between the following two traces (Peak Trace and Average Trace) must be ≤ 13 dB for all frequencies across the emissions bandwidth. Submit a plot.
3. Peak Trace: Set RBW = 1 MHz, VBW ≥ 3 MHz with peak detector and max-hold settings.
4. Average Trace: Method #3—video averaging with max hold--and sum power across the band. Set span to encompass the entire emissions bandwidth (EBW) of the signal. Set sweep trigger to “free run”. Set RBW = 1 MHz. Set VBW $\geq 1/T$ (Draft n VBW = 300kHz $\geq 1/4$ s). Use sample detector mode if bin width (i.e., span/number of points in spectrum) < 0.5 RBW. Otherwise use peak detector mode. Set max hold. Allow max hold to run for 60 seconds.

8.3 Test Result

PASS.

Detailed information please see the following page.

Channel	Frequency (MHz)	Trace 1 (dBm)	Trace 2 (dBm)	Peak Excursion (dB)	Limit (MHz)	Result
IEEE 802.11 a with 5.2G:						
Low	5180	8.915	5.335	3.580	13	PASS
Mid	5200	9.178	5.627	3.551	13	PASS
High	5240	9.438	6.437	3.001	13	PASS
IEEE 802.11 n/HT20 with 5.2G:						
Low	5180	8.534	4.958	3.576	13	PASS
Mid	5200	9.174	5.697	3.477	13	PASS
High	5240	9.438	6.374	3.064	13	PASS
IEEE 802.11 n/HT40 with 5.2G:						
Low	5190	7.803	3.330	4.473	13	PASS
High	5230	8.168	2.339	5.829	13	PASS
Note: This test with port 1 antenna.						

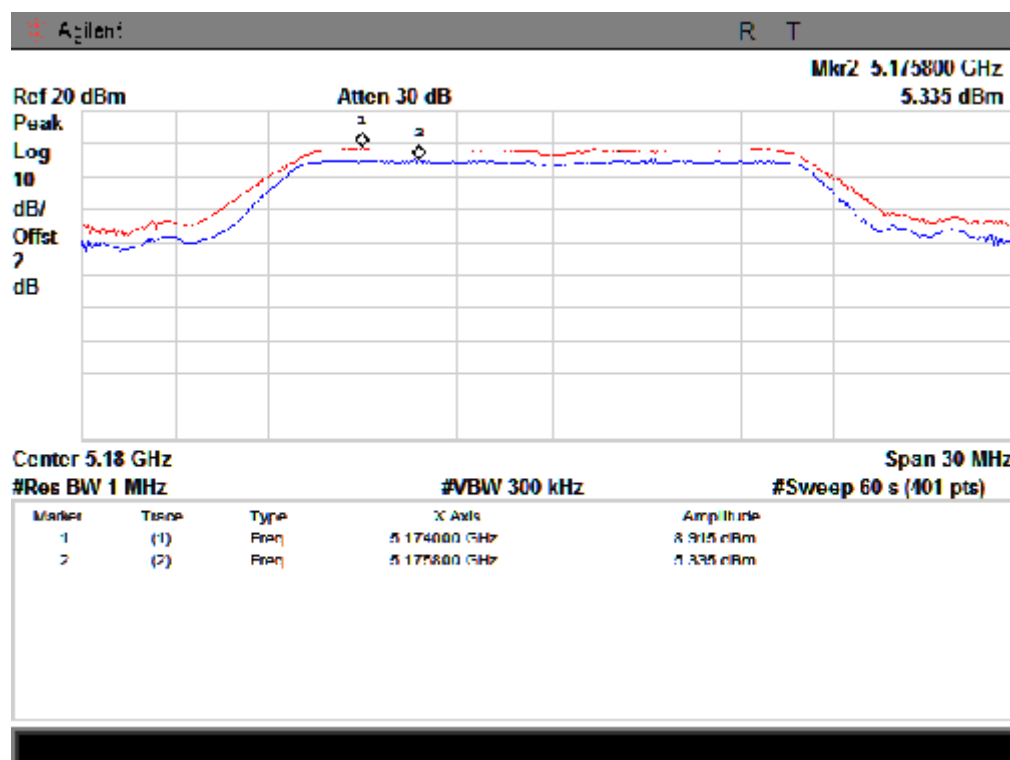
Channel	Frequency (MHz)	Trace 1 (dBm)	Trace 2 (dBm)	Peak Excursion (dB)	Limit (MHz)	Result
IEEE 802.11 a with 5.2G:						
Low	5180	6.453	3.341	3.112	13	PASS
Mid	5200	6.905	3.311	3.594	13	PASS
High	5240	7.290	4.199	3.091	13	PASS
IEEE 802.11 n/HT20 with 5.2G:						
Low	5180	6.233	2.629	3.604	13	PASS
Mid	5200	6.408	3.151	3.257	13	PASS
High	5240	7.050	4.007	3.043	13	PASS
IEEE 802.11 n/HT40 with 5.2G:						
Low	5190	6.061	2.177	3.884	13	PASS
High	5230	6.649	1.799	4.850	13	PASS
Note: This test with port 2 antenna.						

Channel	Frequency (MHz)	Port1 Peak Excursion (dB)	Port2 Peak Excursion (dB)	Port1+Port2 Peak Excursion (dB)	Limit (MHz)	Result
IEEE 802.11 n/HT20 with 5.2G:						
Low	5180	3.576	3.604	6.600	13	PASS
Mid	5200	3.477	3.257	6.379	13	PASS
High	5240	3.064	3.043	6.064	13	PASS
IEEE 802.11 n/HT40 with 5.2G:						
Low	5190	4.473	3.884	7.199	13	PASS
High	5230	5.829	4.850	8.377	13	PASS
Note: 1 This result with port 1 and port 2 antenna. 2 According to KDB 662911, Result power = $10\log(10^{\text{ant1}/10} + 10^{\text{ant2}/10})$						

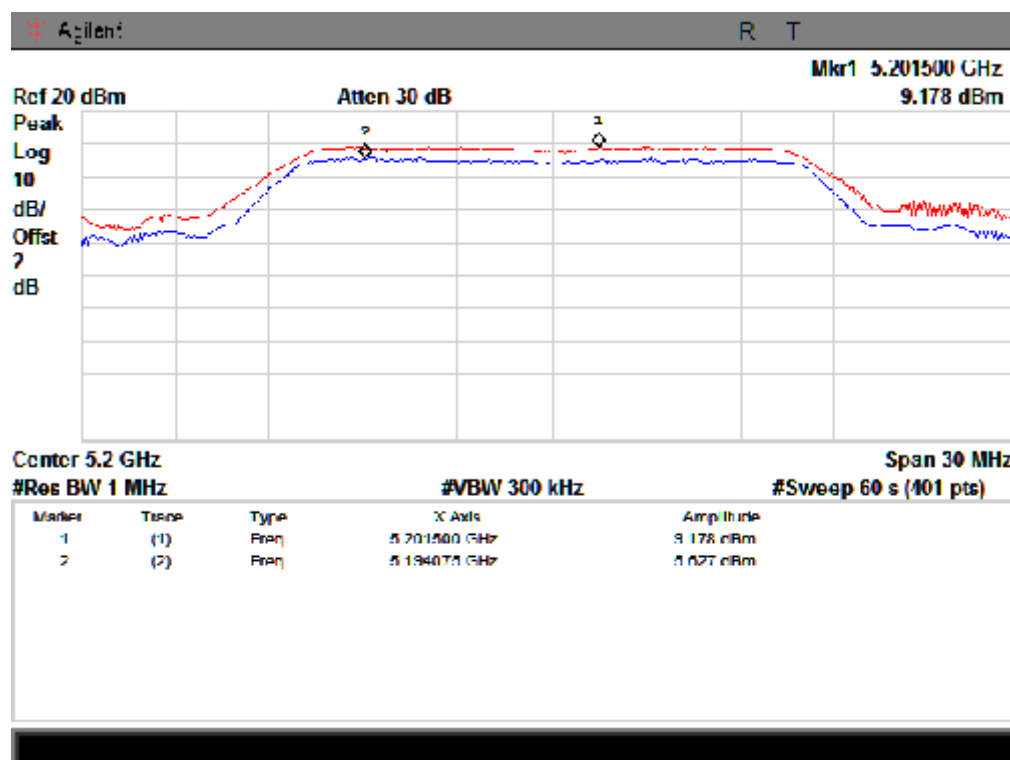
From 1G-25GHz with port 1 antenna

IEEE 802.11a with 5.2G:

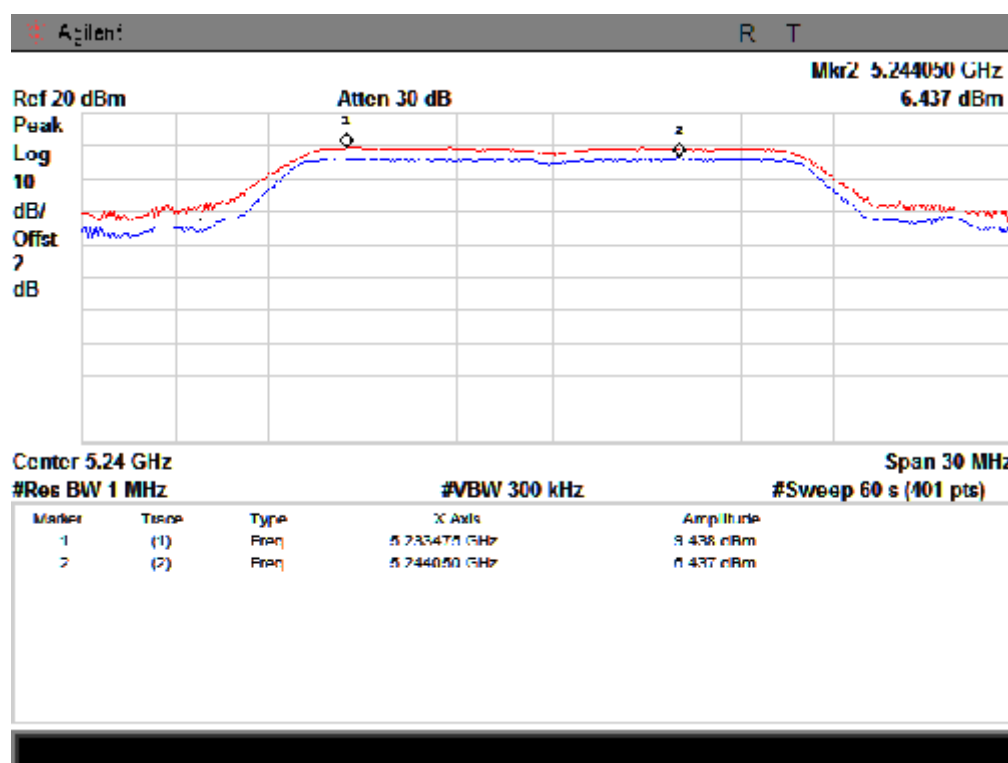
CH Low :



CH Mid :

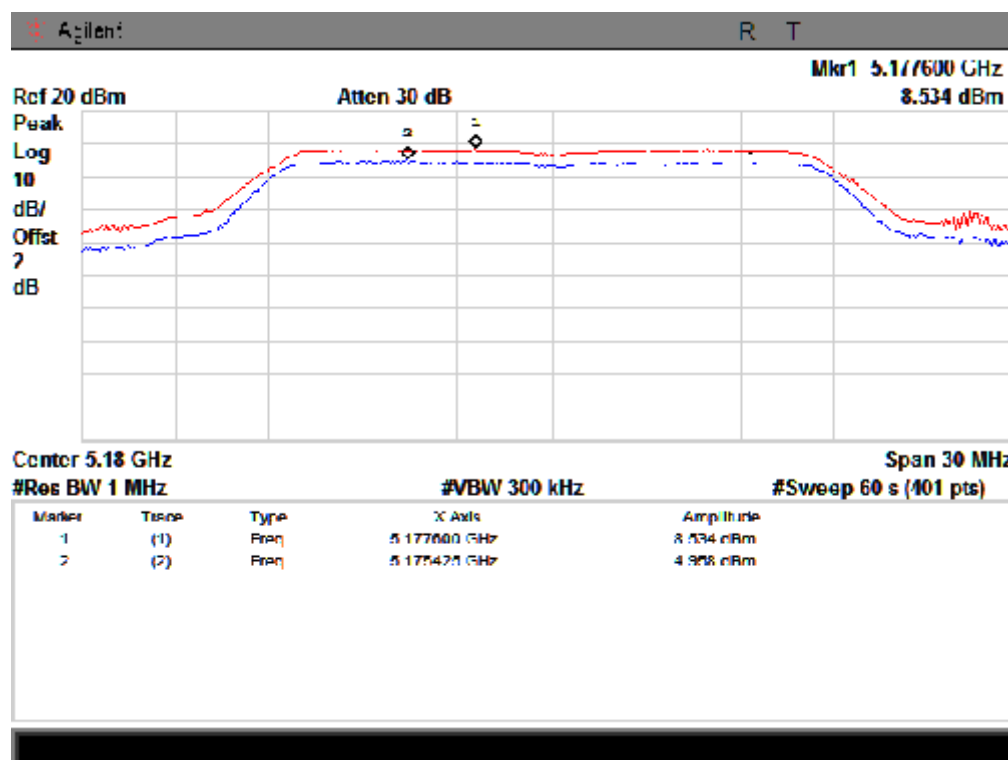


CH High :

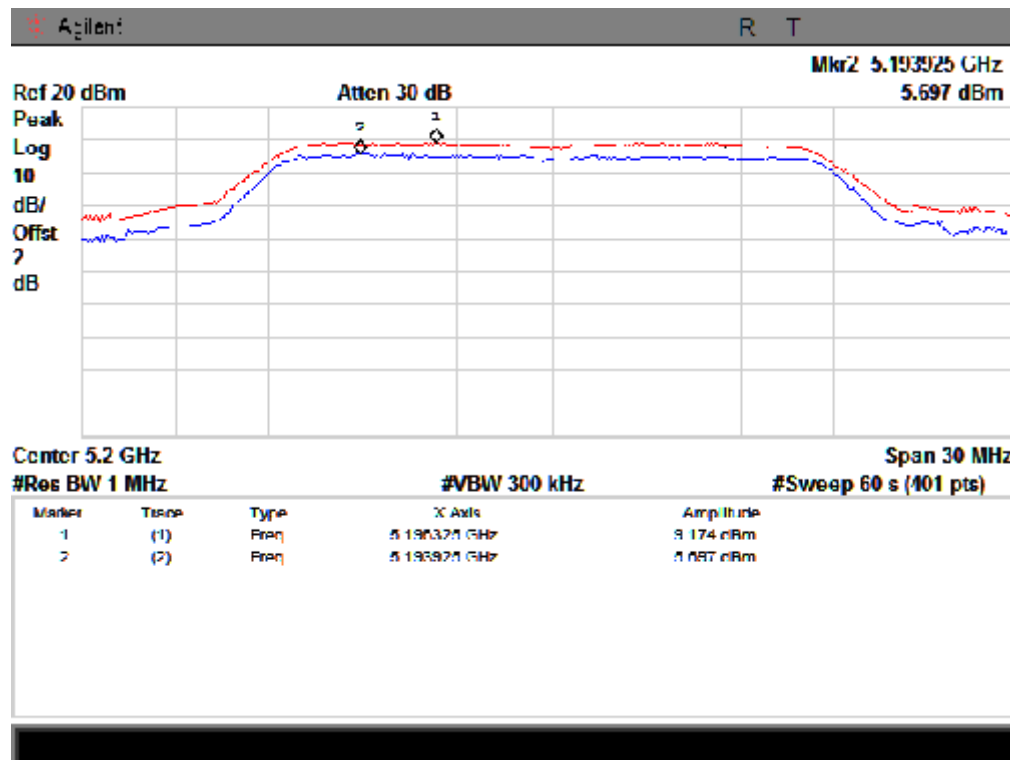


IEEE 802.11n/HT20 with 5.2G:

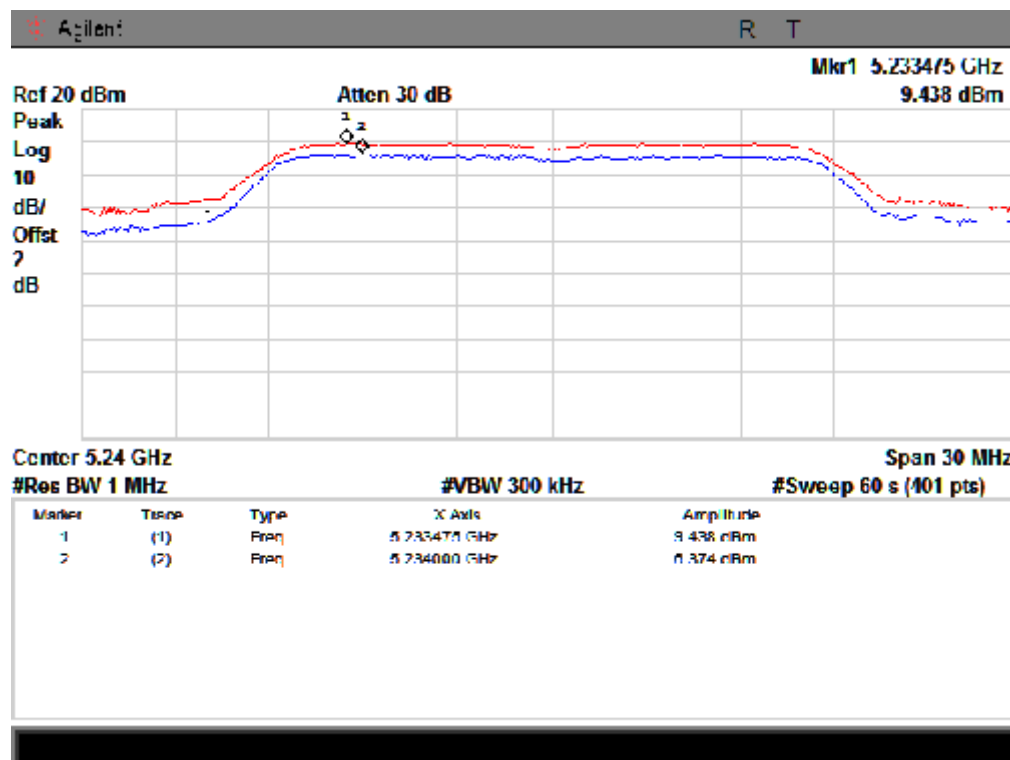
CH Low :



CH Mid :

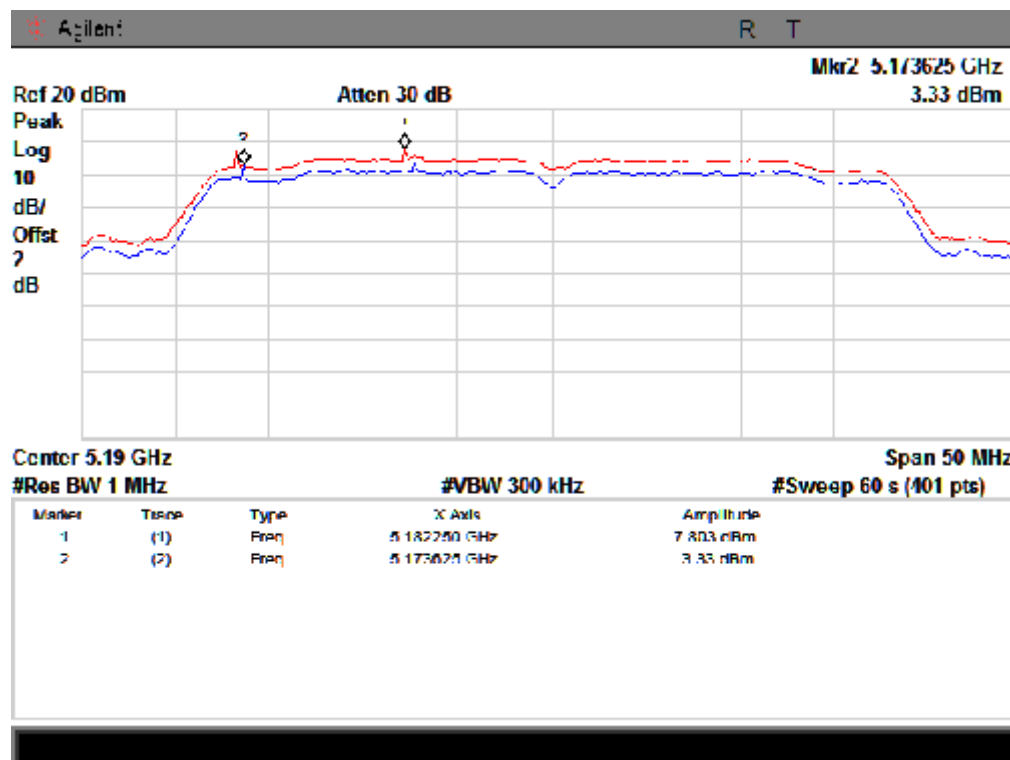


CH High :

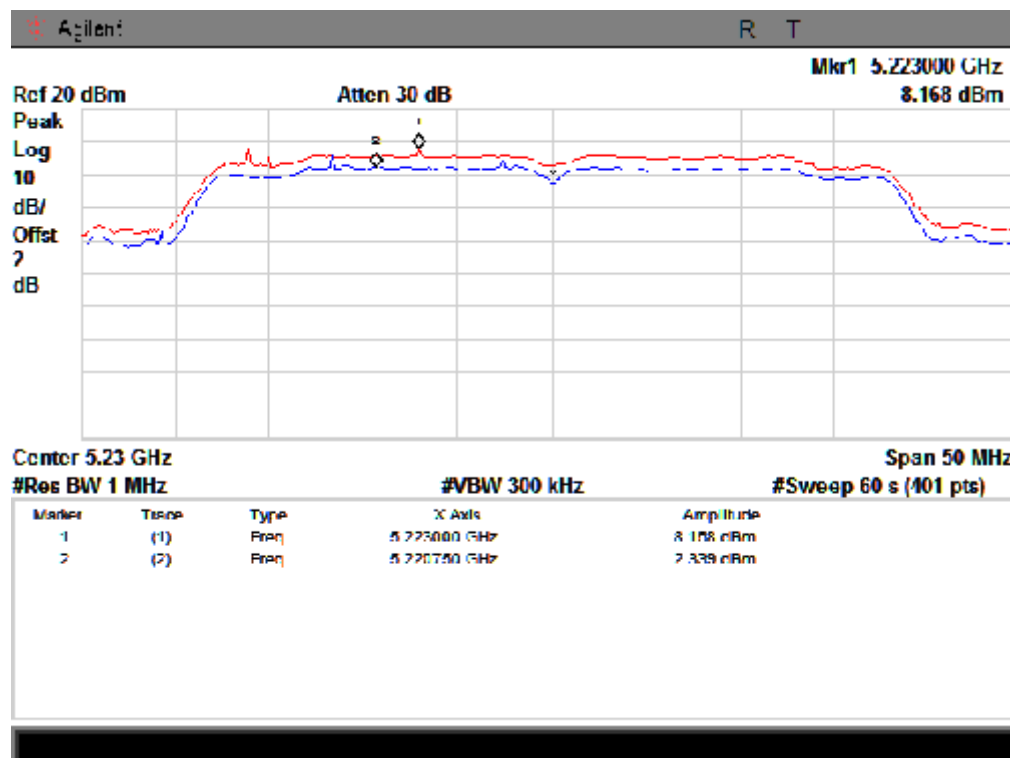


IEEE 802.11n/HT40 with 5.2G:

CH Low :



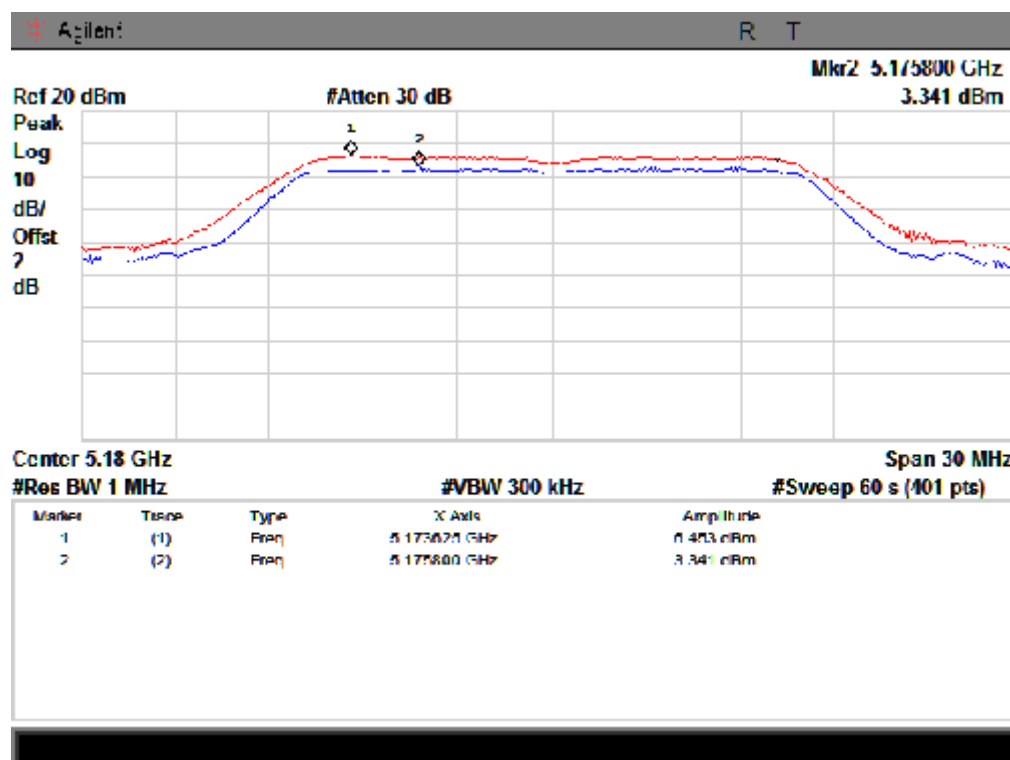
CH High :



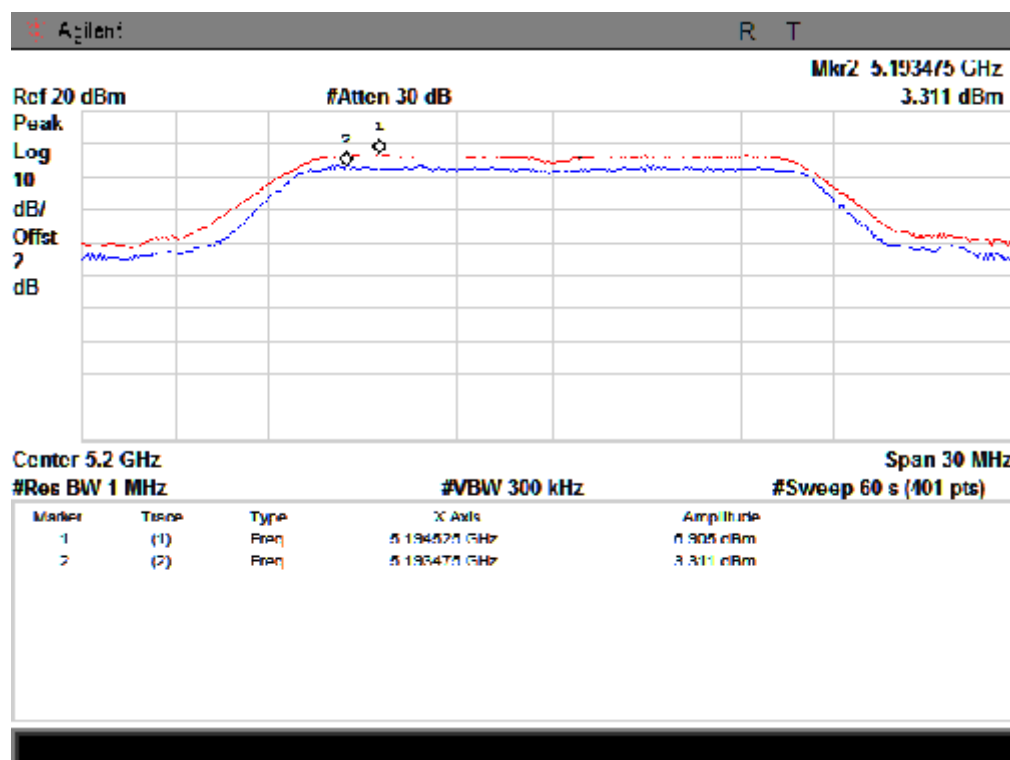
From 1G-25GHz with port 2 antenna

IEEE 802.11a with 5.2G:

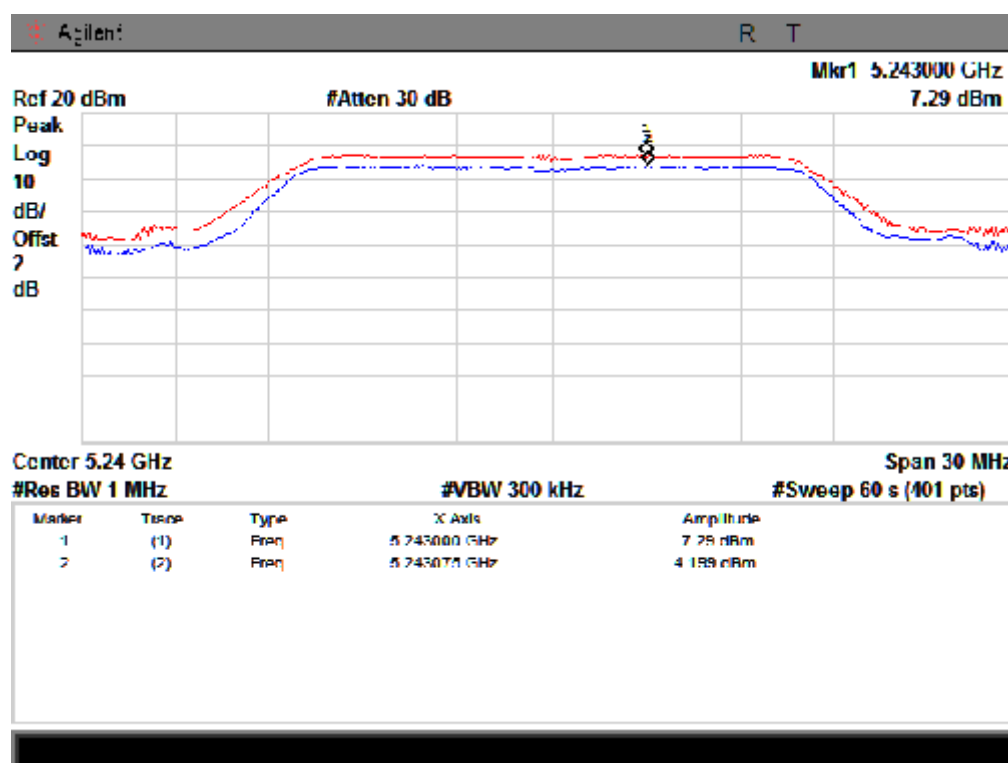
CH Low :



CH Mid :

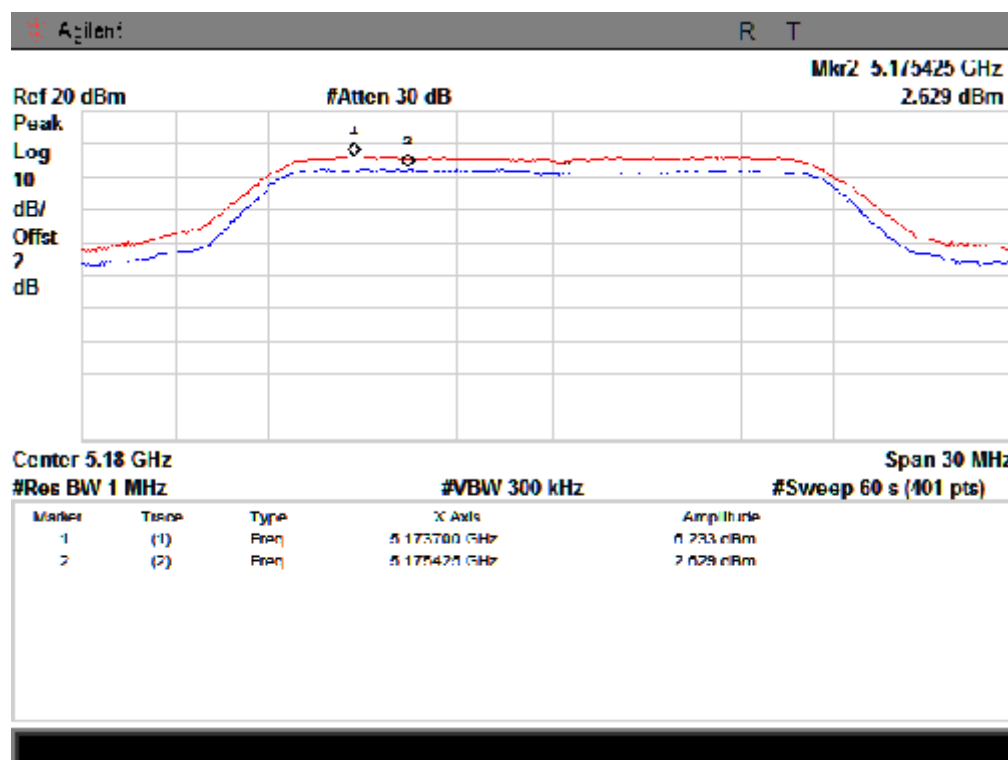


CH High :

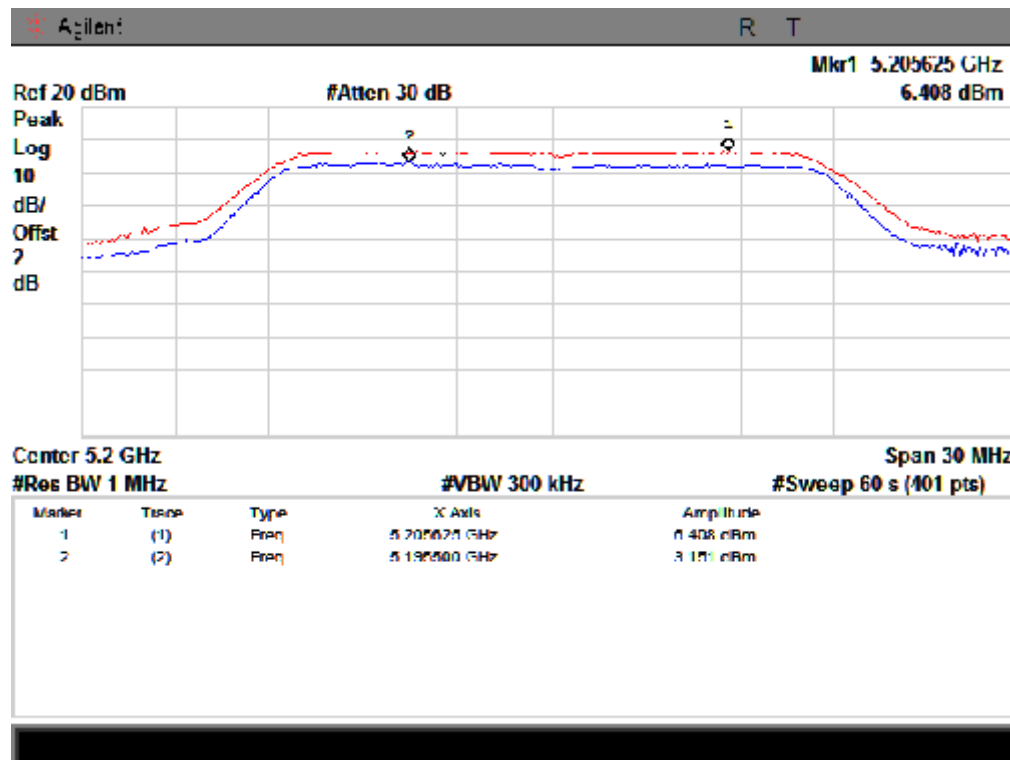


IEEE 802.11n/HT20 with 5.2G:

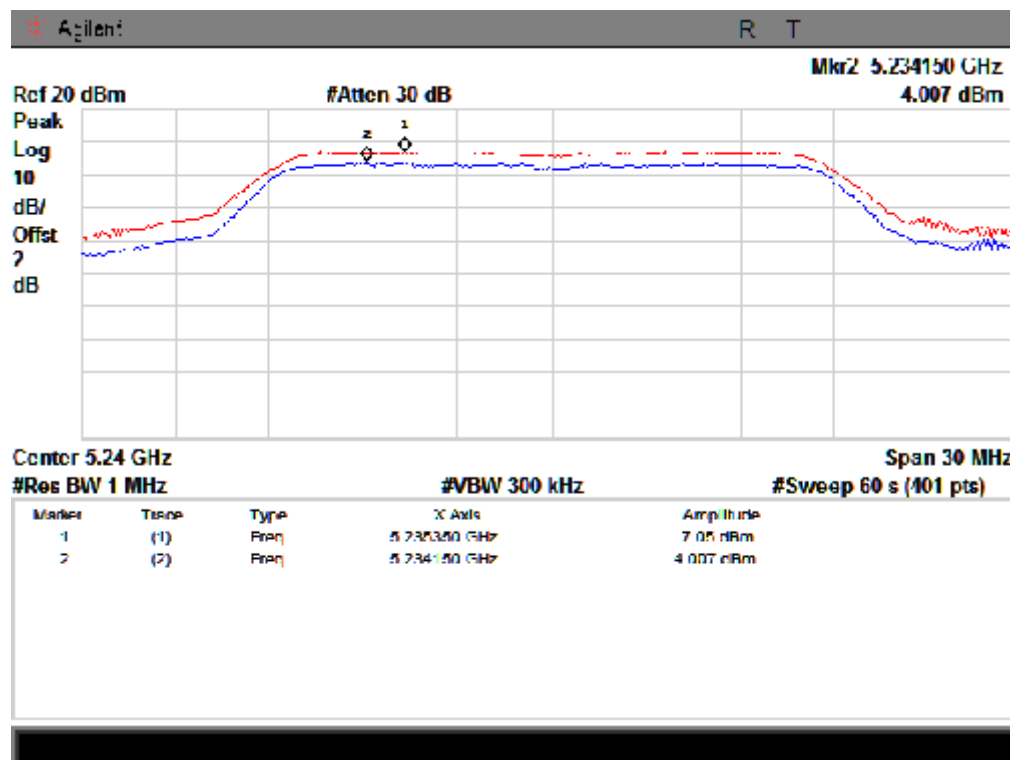
CH Low :



CH Mid :

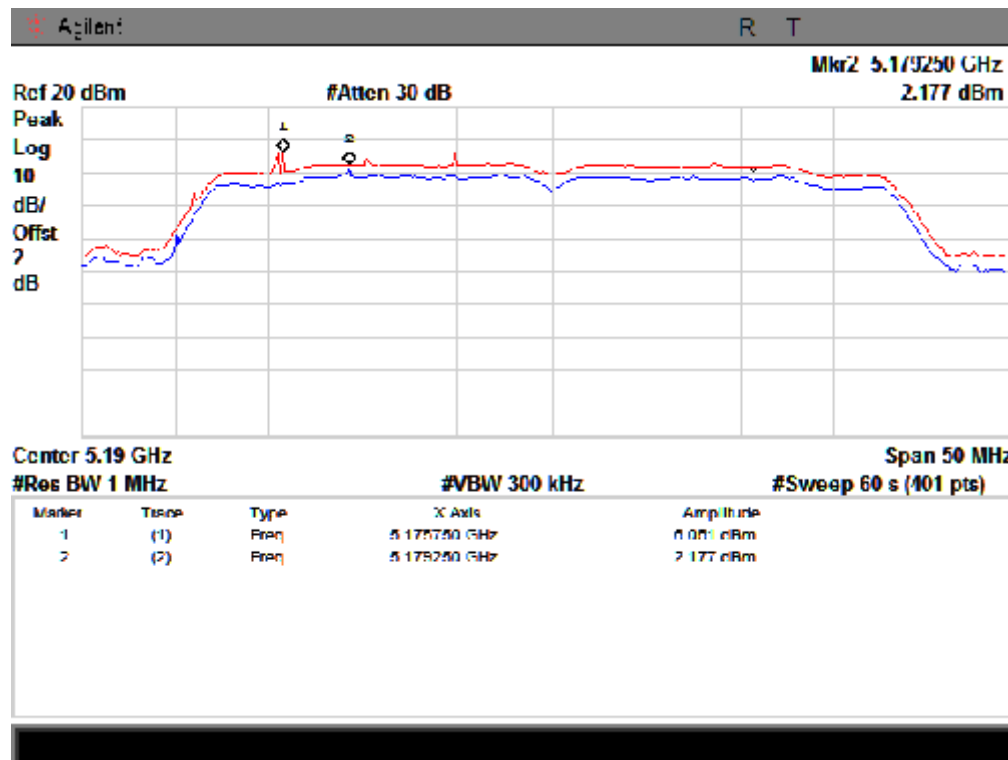


CH High :

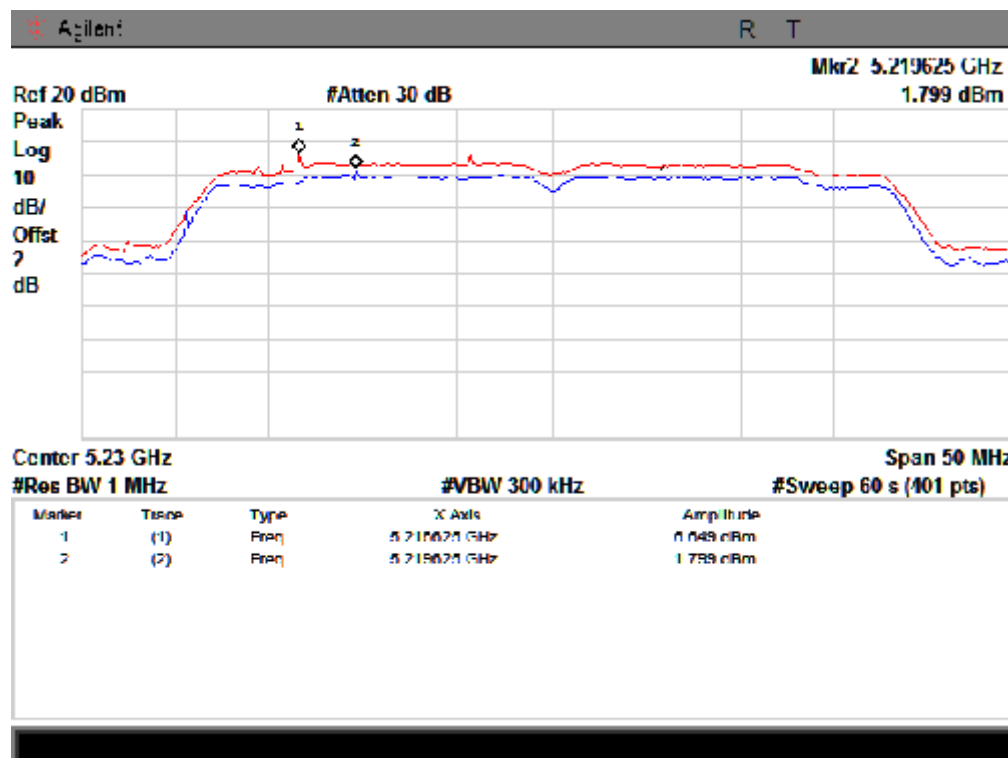


IEEE 802.11n/HT40 with 5.2G:

CH Low :



CH High :



9 Frequency Stability

9.1 Limit

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emissions is maintained within the band of operation under all conditions of normal operation as specified in the user's manual or ± 20 ppm (IEEE 802.11a specification).

9.2 Test Procedure

1. The transmitter output (antenna port) was connected to the spectrum analyser. EUT have transmitted absence of modulation signal and fixed channelize. Set the spectrum analyzer span to view the entire absence of modulation emissions bandwidth. Set RBW = 10 kHz, VBW = 10 kHz with peak detector and maxhold settings. f_c is declaring of channel frequency. Then the frequency error formula is $(f_c - f)/f_c \times 10^6$ ppm and the limit is less than ± 20 ppm (IEEE 802.11a specification). The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.
2. Extreme temperature rule is $-30^\circ\text{C} \sim 50^\circ\text{C}$.

9.3 Test Result

EUT: TABLET PC M/N:T100C	
Power: DC 19V From adapter with AC 120V/60Hz	
Data Rate: 11n HT20: 6.5Mbps; 11n HT40: 13.5Mbps; 11a:6MHz	
Ambient Temperature: 24°C	Relative Humidity: 62%
Test date: 2013-07-26	Test by: Simple guan

For port 1 antenna

Voltage vs Frequency Stability :

Mode	Voltage (V)	Test Frequency(MHz)	Measured Frequency(MHz)	Max Deviation(MHz)	Max Deviation(ppm)	Limit (ppm)
11a	102	5180	5180.0287	0.0287	5.54	+/-20
	120		5180.0125			+/-20
	138		5180.0215			+/-20
	102	5200	5200.0246	0.0246	4.73	+/-20
	120		5200.0120			+/-20
	138		5200.0213			+/-20
	102	5240	5240.0250	0.0250	4.77	+/-20
	120		5240.0142			+/-20
	138		5240.0192			+/-20

Mode	Voltage (V)	Test Frequency(MHz)	Measured Frequency(MHz)	Max Deviation(MHz)	Max Deviation(ppm)	Limit (ppm)
11n HT20	102	5180	5180.0248	0.0248	4.78	+/-20
	120		5180.0125			+/-20
	138		5180.0198			+/-20
	102	5200	5200.0248	0.0362	6.96	+/-20
	120		5200.0195			+/-20
	138		5200.0362			+/-20
	102	5240	5240.0278	0.0278	5.30	+/-20
	120		5240.0208			+/-20
	138		5240.0247			+/-20
11n HT40	102	5190	5190.0341	0.0341	6.57	+/-20
	120		5190.0214			+/-20
	138		5190.0243			+/-20
	102	5230	523.0325	0.0325	6.21	+/-20
	120		5230.0152			+/-20
	138		5230.0246			+/-20
Conclusion : PASS						

Temperature vs Frequency Stability:

Mode	Voltage (V)	Test Frequency(MHz)	Measured Frequency(MHz)	Max Deviation(MHz)	Max Deviation(ppm)	Limit (ppm)
11a	-30°C	5180	5180.0612	0.06120	11.81	+/-20
	-20°C		5180.0611			
	-10°C		5180.0513			
	0°C		5180.0206			
	10°C		5179.9875			
	20°C		5179.9868			
	30°C		5179.9796			
	40°C		5179.9758			
	50°C		5179.9786			
	-30°C	5200	5200.0423	0.0676	13.00	+/-20
	-20°C		5200.0352			
	-10°C		5200.0241			
	0°C		5200.0105			
	10°C		5199.9876			
	20°C		5199.9641			
	30°C		5199.9412			
	40°C		5199.9378			
	50°C		5199.9324			

Mode	Voltage (V)	Test Frequency(MHz)	Measured Frequency(MHz)	Max Deviation(MHz)	Max Deviation(ppm)	Limit (ppm)
11a	-30°C	5240	5240.0348	0.05750	10.97	+/-20
	-20°C		5240.0341			
	-10°C		5240.0246			
	0°C		5240.0145			
	10°C		5239.9978			
	20°C		5239.9824			
	30°C		5239.9725			
	40°C		5239.9645			
	50°C		5239.9425			

Mode	Voltage (V)	Test Frequency(MHz)	Measured Frequency(MHz)	Max Deviation(MHz)	Max Deviation(ppm)	Limit (ppm)
11n HT20	-30°C	5180	5180.0357	0.041100	7.93	+/-20
	-20°C		5180.0245			
	-10°C		5180.0214			
	0°C		5180.0124			
	10°C		5179.9985			
	20°C		5179.9875			
	30°C		5179.9714			
	40°C		5179.9624			
	50°C		5179.9589			
	-30°C	5200	5200.0247	0.04720	9.07	+/-20
	-20°C		5200.0214			
	-10°C		5200.0126			
	0°C		5200.0108			
	10°C		5199.9945			
	20°C		5199.9825			
	30°C		5199.9724			
	40°C		5199.9615			
	50°C		5199.9528			

Mode	Voltage (V)	Test Frequency(MHz)	Measured Frequency(MHz)	Max Deviation(MHz)	Max Deviation(ppm)	Limit (ppm)
11n HT20	-30°C	5240	5240.0214	0.02760	5.26	+/-20
	-20°C		5240.0210			
	-10°C		5240.0185			
	0°C		5240.0124			
	10°C		5239.9952			
	20°C		5239.9823			
	30°C		5239.9758			
	40°C		5239.9745			
	50°C		5239.9724			

Mode	Voltage (V)	Test Frequency(MHz)	Measured Frequency(MHz)	Max Deviation(MHz)	Max Deviation(ppm)	Limit (ppm)
11n HT40	-30°C	5190	5190.0345	0.03450	6.65	+/-20
	-20°C		5190.0324			
	-10°C		5190.0216			
	0°C		5190.0152			
	10°C		5190.0124			
	20°C		5189.9982			
	30°C		5189.9825			
	40°C		5189.9814			
	50°C		5189.9798			
	-30°C	5230	5230.0321	0.03760	7.19	+/-20
	-20°C		5230.0248			
	-10°C		5230.0154			
	0°C		5230.0123			
	10°C		5229.9987			
	20°C		5229.9865			
	30°C		5229.9728			
	40°C		5229.9718			
	50°C		5229.9624			

For port 2 antenna

Voltage vs Frequency Stability :

Mode	Voltage (V)	Test Frequency(MHz)	Measured Frequency(MHz)	Max Deviation(MHz)	Max Deviation(ppm)	Limit (ppm)
11a	102	5180	5180.0285	0.0285	5.54	+/-20
	120		5180.0123			+/-20
	138		5180.0216			+/-20
	102	5200	5200.0247	0.0247	4.73	+/-20
	120		5200.0121			+/-20
	138		5200.0216			+/-20
	102	5240	5240.0249	0.0249	4.78	+/-20
	120		5240.0143			+/-20
	138		5240.0212			+/-20

Mode	Voltage (V)	Test Frequency(MHz)	Measured Frequency(MHz)	Max Deviation(MHz)	Max Deviation(ppm)	Limit (ppm)
11n HT20	102	5180	5180.0249	0.0249	4.78	+/-20
	120		5180.0124			+/-20
	138		5180.0197			+/-20
	102	5200	5200.0245	0.0363	6.96	+/-20
	120		5200.0197			+/-20
	138		5200.0363			+/-20
	102	5240	5240.0276	0.0276	5.30	+/-20
	120		5240.0205			+/-20
	138		5240.0238			+/-20
11n HT40	102	5190	5190.0343	0.0343	6.57	+/-20
	120		5190.0216			+/-20
	138		5190.0253			+/-20
	102	5230	523.0327	0.0327	6.21	+/-20
	120		5230.0154			+/-20
	138		5230.0253			+/-20
Conclusion : PASS						

Temperature vs Frequency Stability:

Mode	Voltage (V)	Test Frequency(MHz)	Measured Frequency(MHz)	Max Deviation(MHz)	Max Deviation(ppm)	Limit (ppm)
11a	-30°C	5180	5180.0614	0.06140	11.81	+/-20
	-20°C		5180.0613			
	-10°C		5180.0528			
	0°C		5180.0211			
	10°C		5179.9869			
	20°C		5179.9864			
	30°C		5179.9795			
	40°C		5179.9763			
	50°C		5179.9787			
	-30°C	5200	5200.0435	0.0677	13.00	+/-20
	-20°C		5200.0347			
	-10°C		5200.0246			
	0°C		5200.0111			
	10°C		5199.9838			
	20°C		5199.9629			
	30°C		5199.9431			
	40°C		5199.9396			
	50°C		5199.9323			

Mode	Voltage (V)	Test Frequency(MHz)	Measured Frequency(MHz)	Max Deviation(MHz)	Max Deviation(ppm)	Limit (ppm)
11a	-30°C	5240	5240.0286	0.05740	10.97	+/-20
	-20°C		5240.0574			
	-10°C		5240.0307			
	0°C		5240.0214			
	10°C		5239.9963			
	20°C		5239.9841			
	30°C		5239.9736			
	40°C		5239.9713			
	50°C		5239.9807			

Mode	Voltage (V)	Test Frequency(MHz)	Measured Frequency(MHz)	Max Deviation(MHz)	Max Deviation(ppm)	Limit (ppm)
11n HT20	-30°C	5180	5180.0362	0.041200	7.93	+/-20
	-20°C		5180.0279			
	-10°C		5180.0235			
	0°C		5180.0148			
	10°C		5179.9972			
	20°C		5179.9813			
	30°C		5179.9726			
	40°C		5179.9631			
	50°C		5179.9588			
	-30°C	5200	5200.0259	0.04730	9.07	+/-20
	-20°C		5200.0232			
	-10°C		5200.0473			
	0°C		5200.0129			
	10°C		5199.9918			
	20°C		5199.9864			
	30°C		5199.9739			
	40°C		5199.9646			
	50°C		5199.9613			

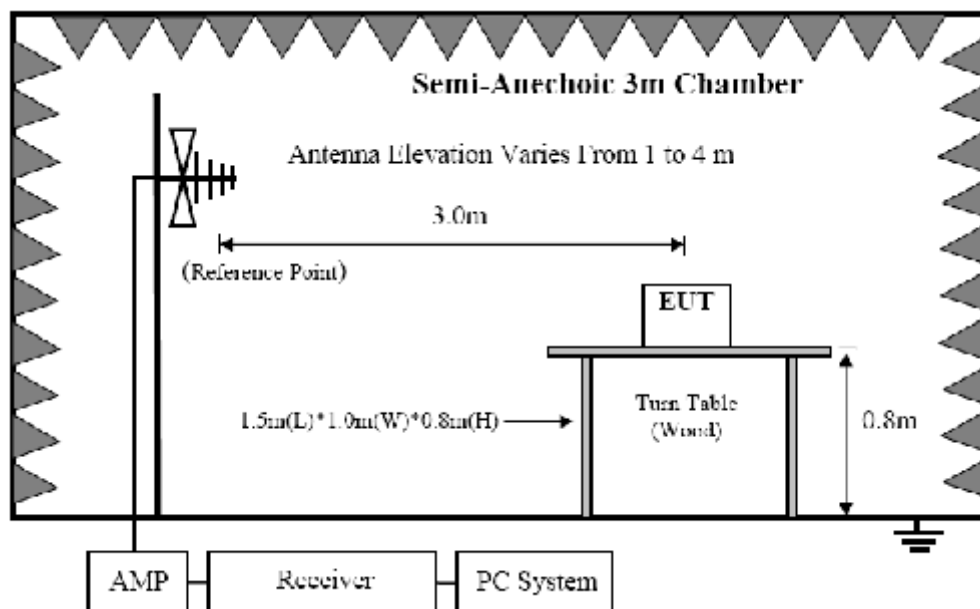
Mode	Voltage (V)	Test Frequency(MHz)	Measured Frequency(MHz)	Max Deviation(MHz)	Max Deviation(ppm)	Limit (ppm)
11n HT20	-30°C	5240	5240.0277	0.02770	5.26	+/-20
	-20°C		5240.0205			
	-10°C		5240.0194			
	0°C		5240.0152			
	10°C		5239.9943			
	20°C		5239.9817			
	30°C		5239.9768			
	40°C		5239.9734			
	50°C		5239.9731			

Mode	Voltage (V)	Test Frequency(MHz)	Measured Frequency(MHz)	Max Deviation(MHz)	Max Deviation(ppm)	Limit (ppm)
11n HT40	-30°C	5190	5190.0346	0.03460	6.65	+/-20
	-20°C		5190.0319			
	-10°C		5190.0278			
	0°C		5190.0152			
	10°C		5190.0119			
	20°C		5189.9976			
	30°C		5189.9843			
	40°C		5189.9824			
	50°C		5189.9765			
	-30°C	5230	5230.0377	0.03770	7.19	+/-20
	-20°C		5230.0284			
	-10°C		5230.0169			
	0°C		5230.0143			
	10°C		5229.9959			
	20°C		5229.9847			
	30°C		5229.9779			
	40°C		5229.9754			
	50°C		5229.9684			

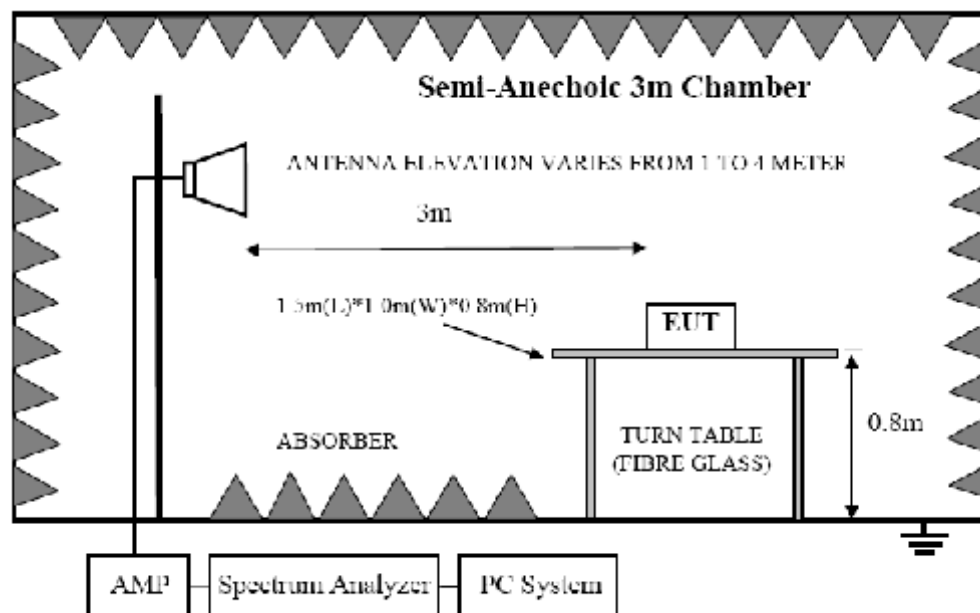
10 Radiated Emission

10.1 Block Diagram of Test Setup

In 3m Anechoic Chamber Test Setup Diagram for below 1GHz



In 3m Anechoic Chamber Test Setup Diagram for frequency above 1GHz



Note: For harmonic emissions test a appropriate high pass filter was inserted in the input port of AMP.

10.2 Radiated Emission Limit

6.2.1 15.205 Restricted bands of operation

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	(²)

6.2.2 FCC Part 15C 15.209 limit

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		μV/m	dB(μV)/m
0.009 ~ 0.490	300	2400/F(KHz)	/
0.490 ~ 1.705	30	24000/F(KHz)	/
1.705 ~ 30.0	30	30	30
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0
Above 1000	3	PK: 5000	74
		Average: 500	54

Remark: (1) Emission level dBμV = 20 log Emission level μV/m

(2) The smaller limit shall apply at the cross point between two frequency bands.

(3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system

(4) For frequency above 1GHz, the level of emissions shall comply both with PK limit and Average limit. And if peak level comply with average limit, then the average level is deemed to comply with average limit.

(5) This limit not applies to fundamental emissions of device.

6.2.3 Radiated emissions limit for this reported device

For transmitters operating in the 5.15-5.25 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz.

Unwanted emissions below 1 GHz and those emissions appearing within 15.205 restricted frequency bands must comply with the general field strength limits set forth in Section 15.209

10.3 Test Procedure

EUT and its simulators are placed on a turn table, which is 0.8 meter high above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. Power on the EUT and let it working in test mode, then test it. EUT is set 3 meters away from the receiving antenna, which is mounted on a antenna tower. The antenna can be moved up and down between 1 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna. Both horizontal and vertical polarization of the antenna are set on test.

For emissions below 1GHz and those emissions appearing within 15.205 restricted frequency bands use below procedure:

(1).The bandwidth of the EMI test receiver (R&S ESVS10) is set at 120kHz for frequency range from 30MHz to 1000 MHz.

(2).The bandwidth of the Spectrum's VBW is set at 1MHz and RBW is set at 1MHz for peak emissions measurement above 1GHz and 1MHz RBW, 10Hz VBW for average emissions measure above 1GHz.

For the emissions above 1GHz and not appearing within 15.205 restricted frequency bands use below procedure:

(1).The maximum emission at 3m distance was measured and recorded with receive antenna in both vertical and horizontal by rotating the turntable and by lowering the receive antenna.

(2).The EUT was then removed and replaced with a substitution antenna in the same position and the substitution antenna must have the same polarization with the receive antenna.

(3). A signal which have the same frequency obtained in step 2 was fed to the substitution, the receive antenna was raised and lowered to obtain a maximum reading at the test receiver, the level of the signal generator was adjusted until the measured field strength level in step 2 was obtained, recorded the level of the signal generator.

(4).Repeated step 4 with both antenna polarizations

(5).The spurious emissions is equal to the power supplied by the signal generator and corrections due to the gain of the substitution antenna and the cable loss between the signal generator and the substitution antenna.

10.4 Radiated Emission Test Results

PASS. (See below detailed test data)

We have scanned the 9KHz from 25GHz to the EUT.

Detailed information please see the following page.

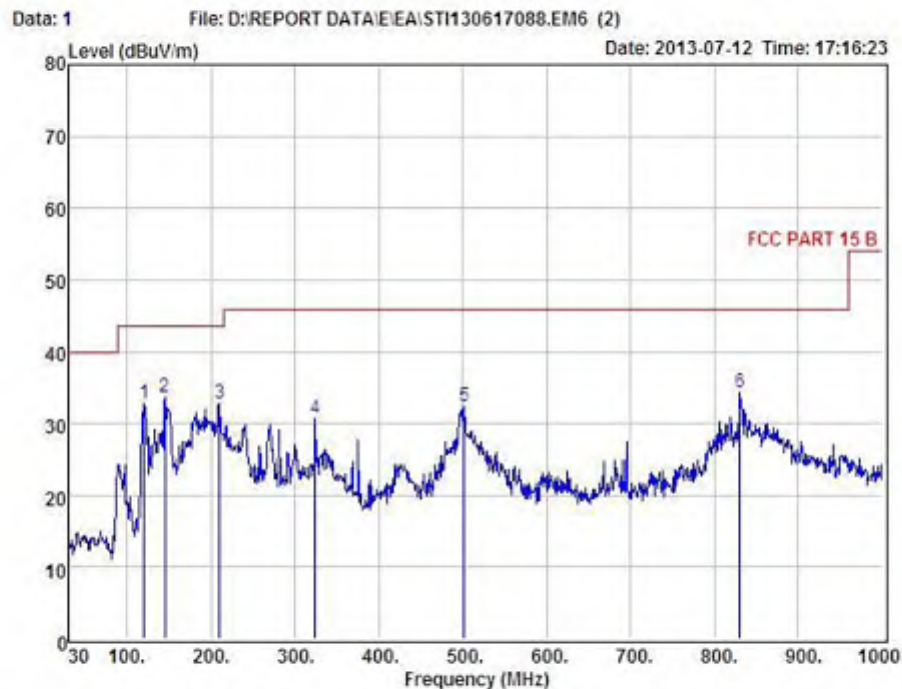
From 9KHz to 30MHz: Conclusion: PASS

Note: The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Frequency Range 30MHz-1GHz



Shenzhen Certification Technology Service Co., Ltd.
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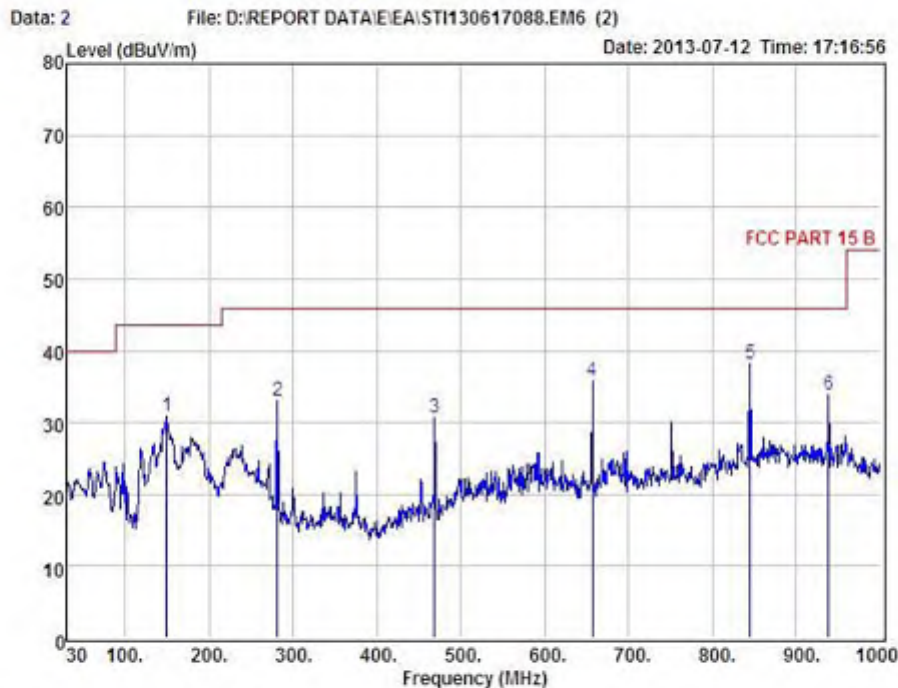
Condition : FCC PART 15 B 3m POL: HORIZONTAL
 EUT : Tablet PC
 Model No : T100c
 Test Mode : Link mode and Charger
 Power : DC 19V Adapter Input AC 120V/50Hz
 Test Engineer : Sky
 Remark :
 Temp :
 Hum :

Item	Freq MHz	Read Level dBuV	Antenna Factor dB	Preamplifier Factor dB	Cable Loss dB	Level dBuV	Limit dBuV	Margin dBuV	Remark
1	120.21	47.00	12.24	26.88	0.36	32.72	43.50	-10.78	QP
2	145.43	46.34	13.77	26.90	0.44	33.65	43.50	-9.85	QP
3	210.42	49.08	10.07	27.02	0.62	32.75	43.50	-10.75	QP
4	323.91	43.75	13.38	27.22	0.69	30.60	46.00	-15.40	QP
5	501.42	42.68	16.54	27.62	0.76	32.36	46.00	-13.64	QP
6	830.25	40.05	20.90	27.69	1.04	34.30	46.00	-11.70	QP

Remark: Level = Read Level + Antenna Factor - Preamplifier Factor + Cable Loss



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 Website: <http://www.cessz.com> Email: Service@cessz.com



Condition : FCC PART 15 B 3m POL: VERTICAL
 EUT : Tablet PC
 Model No : T100c
 Test Mode : Link mode and Charger
 Power : DC 19V Adapter Input AC 120V/50Hz
 Test Engineer : Sky
 Remark :
 Temp :
 Hum :

Item	Freq MHz	Read Level dBuV	Antenna Factor dB	Preamplifier Factor dB	Cable Loss dB	Level dBuV	Limit dBuV	Margin dBuV	Remark
1	149.31	43.36	14.03	26.91	0.35	30.83	43.50	-12.67	QP
2	281.23	47.25	12.41	27.15	0.53	33.04	46.00	-12.96	QP
3	468.44	41.36	16.13	27.53	0.77	30.73	46.00	-15.27	QP
4	656.62	43.29	19.18	27.78	1.09	35.78	46.00	-10.22	QP
5	844.80	43.12	21.01	27.71	1.68	38.10	46.00	-7.90	QP
6	937.92	38.53	22.06	27.62	0.94	33.91	46.00	-12.09	QP

Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss

From 1G-25GHz with port 1 antenna
IEEE 802.11a with 5.2G

EUT	Tablet PC	Model Name	T100C
Temperature	26°C	Relative Humidity	56%
Pressure	960hPa	Test voltage	DC 19V From adapter
Test Mode	TX Low		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
10360	V	36.91	---	2.36	39.27	---	74.00	54.00	-14.73	Peak
15540	V	35.92	---	4.52	40.44	---	74.00	54.00	-13.56	Peak
20720	V	34.68	---	6.14	40.82	---	74.00	54.00	-13.18	Peak
N/A										

EUT	Tablet PC	Model Name	T100C
Temperature	26°C	Relative Humidity	56%
Pressure	960hPa	Test voltage	DC 19V From adapter
Test Mode	TX Low		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
10360	H	36.05	---	2.36	38.41	---	74.00	54.00	-15.59	Peak
15540	H	35.84	---	4.52	40.36	---	74.00	54.00	-13.64	Peak
20720	H	33.65	---	6.14	39.79	---	74.00	54.00	-14.21	Peak
N/A										

Notes: AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

EUT	Tablet PC	Model Name	T100C
Temperature	26°C	Relative Humidity	56%
Pressure	960hPa	Test voltage	DC 19V From adapter
Test Mode	TX Mid		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
10400	V	35.77	---	2.36	38.13	---	74.00	54.00	-15.87	Peak
15600	V	35.16	---	4.52	39.68	---	74.00	54.00	-14.32	Peak
20800	V	34.15	---	6.14	40.29	---	74.00	54.00	-13.71	Peak
N/A										

EUT	Tablet PC	Model Name	T100C
Temperature	26°C	Relative Humidity	56%
Pressure	960hPa	Test voltage	DC 19V From adapter
Test Mode	TX Mid		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
10400	H	37.29	---	2.36	39.65	---	74.00	54.00	-14.35	Peak
15600	H	35.59	---	4.52	40.11	---	74.00	54.00	-13.89	Peak
20800	H	33.94	---	6.14	40.08	---	74.00	54.00	-13.92	Peak
N/A										

Notes: AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

EUT	Tablet PC	Model Name	T100C
Temperature	26°C	Relative Humidity	56%
Pressure	960hPa	Test voltage	DC 19V From adapter
Test Mode	TX High		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
10480	V	37.82	---	2.36	40.18	---	74.00	54.00	-13.82	Peak
15720	V	36.72	---	4.52	41.24	---	74.00	54.00	-12.76	Peak
20960	V	33.81	---	6.14	39.95	---	74.00	54.00	-14.05	Peak
N/A										

EUT	Tablet PC	Model Name	T100C
Temperature	26°C	Relative Humidity	56%
Pressure	960hPa	Test voltage	DC 19V From adapter
Test Mode	TX High		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
10480	H	37.47	---	2.36	39.83	---	74.00	54.00	-14.17	Peak
15720	H	35.46	---	4.52	39.98	---	74.00	54.00	-14.02	Peak
20960	H	35.7	---	6.14	41.84	---	74.00	54.00	-12.16	Peak
N/A										

Notes: AV Means AV detector test data, Peak Means Peak detector test data.
Emissions attenuated more than 20 dB below the permissible value are not reported.

IEEE 802.11n/HT20 with 5.2G

EUT	Tablet PC	Model Name	T100C
Temperature	26°C	Relative Humidity	56%
Pressure	960hPa	Test voltage	DC 19V From adapter
Test Mode	TX Low		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
10360	V	37.91	---	2.36	40.27	---	74.00	54.00	-13.73	Peak
15540	V	36.63	---	4.52	41.15	---	74.00	54.00	-12.85	Peak
20720	V	34.93	---	6.14	41.07	---	74.00	54.00	-12.93	Peak
N/A										

EUT	Tablet PC	Model Name	T100C
Temperature	26°C	Relative Humidity	56%
Pressure	960hPa	Test voltage	DC 19V From adapter
Test Mode	TX Low		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
10360	H	38.07	---	2.36	40.43	---	74.00	54.00	-13.57	Peak
15540	H	37.22	---	4.52	41.74	---	74.00	54.00	-12.26	Peak
20720	H	34.12	---	6.14	40.26	---	74.00	54.00	-13.74	Peak
N/A										

Notes: AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

EUT	Tablet PC	Model Name	T100C
Temperature	26°C	Relative Humidity	56%
Pressure	960hPa	Test voltage	DC 19V From adapter
Test Mode	TX Mid		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
10400	V	38.08	---	2.36	40.44	---	74.00	54.00	-13.56	Peak
15600	V	36.30	---	4.52	40.82	---	74.00	54.00	-13.18	Peak
20800	V	32.94	---	6.14	39.08	---	74.00	54.00	-14.92	Peak
N/A										

EUT	Tablet PC	Model Name	T100C
Temperature	26°C	Relative Humidity	56%
Pressure	960hPa	Test voltage	DC 19V From adapter
Test Mode	TX Mid		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
10400	H	38.12	---	2.36	40.48	---	74.00	54.00	-13.52	Peak
15600	H	35.84	---	4.52	40.36	---	74.00	54.00	-13.64	Peak
20800	H	33.61	---	6.14	39.75	---	74.00	54.00	-14.25	Peak
N/A										

Notes: AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

EUT	Tablet PC	Model Name	T100C
Temperature	26°C	Relative Humidity	56%
Pressure	960hPa	Test voltage	DC 19V From adapter
Test Mode	TX High		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
10480	V	37.27	---	2.36	39.63	---	74.00	54.00	-14.37	Peak
15720	V	36.81	---	4.52	41.33	---	74.00	54.00	-12.67	Peak
20960	V	35.47	---	6.14	41.61	---	74.00	54.00	-12.39	Peak
N/A										

EUT	Tablet PC	Model Name	T100C
Temperature	26°C	Relative Humidity	56%
Pressure	960hPa	Test voltage	DC 19V From adapter
Test Mode	TX High		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
10480	H	38.26	---	2.36	40.62	---	74.00	54.00	-13.38	Peak
15720	H	36.89	---	4.52	41.41	---	74.00	54.00	-12.59	Peak
20960	H	35.38	---	6.14	41.52	---	74.00	54.00	-12.48	Peak
N/A										

Notes: AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

IEEE 802.11n/HT40 with 5.2G

EUT	Tablet PC	Model Name	T100C
Temperature	26°C	Relative Humidity	56%
Pressure	960hPa	Test voltage	DC 19V From adapter
Test Mode	TX Low		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
10380	V	38.01	---	2.36	40.37	---	74.00	54.00	-13.63	Peak
15570	V	36.59	---	4.52	41.11	---	74.00	54.00	-12.89	Peak
20760	V	34.14	---	6.14	40.28	---	74.00	54.00	-13.72	Peak
N/A										

EUT	Tablet PC	Model Name	T100C
Temperature	26°C	Relative Humidity	56%
Pressure	960hPa	Test voltage	DC 19V From adapter
Test Mode	TX Low		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
10380	H	37.05	---	2.36	39.41	---	74.00	54.00	-14.59	Peak
15570	H	35.55	---	4.52	40.07	---	74.00	54.00	-13.93	Peak
20760	H	35.29	---	6.14	41.43	---	74.00	54.00	-12.57	Peak
N/A										

Notes: AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

EUT	Tablet PC	Model Name	T100C
Temperature	26°C	Relative Humidity	56%
Pressure	960hPa	Test voltage	DC 19V From adapter
Test Mode	TX High		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
10460	V	38.03	---	2.36	40.39	---	74.00	54.00	-13.61	Peak
15690	V	35.41	---	4.52	39.93	---	74.00	54.00	-14.07	Peak
20920	V	35.05	---	6.14	41.19	---	74.00	54.00	-12.81	Peak
N/A										

EUT	Tablet PC	Model Name	T100C
Temperature	26°C	Relative Humidity	56%
Pressure	960hPa	Test voltage	DC 19V From adapter
Test Mode	TX High		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
10460	H	38.02	---	2.36	40.38	---	74.00	54.00	-13.62	Peak
15690	H	36.57	---	4.52	41.09	---	74.00	54.00	-12.91	Peak
20920	H	35.12	---	6.14	41.26	---	74.00	54.00	-12.74	Peak
N/A										

Notes: AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

From 1G-25GHz with port 2 antenna
IEEE 802.11a with 5.2G

EUT	Tablet PC	Model Name	T100C
Temperature	26°C	Relative Humidity	56%
Pressure	960hPa	Test voltage	DC 19V From adapter
Test Mode	TX Low		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
10360	V	38.69	---	2.36	41.05	---	74.00	54.00	-12.95	Peak
15540	V	35.75	---	4.52	40.27	---	74.00	54.00	-13.73	Peak
20720	V	34.38	---	6.14	40.52	---	74.00	54.00	-13.48	Peak
N/A										

EUT	Tablet PC	Model Name	T100C
Temperature	26°C	Relative Humidity	56%
Pressure	960hPa	Test voltage	DC 19V From adapter
Test Mode	TX Low		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
10360	H	37.59	---	2.36	39.95	---	74.00	54.00	-14.05	Peak
15540	H	35.81	---	4.52	40.33	---	74.00	54.00	-13.67	Peak
20720	H	34.97	---	6.14	41.11	---	74.00	54.00	-12.89	Peak
N/A										

Notes: AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

EUT	Tablet PC	Model Name	T100C
Temperature	26°C	Relative Humidity	56%
Pressure	960hPa	Test voltage	DC 19V From adapter
Test Mode	TX Mid		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
10400	V	37.28	---	2.36	39.64	---	74.00	54.00	-14.36	Peak
15600	V	37.61	---	4.52	42.13	---	74.00	54.00	-11.87	Peak
20800	V	35.35	---	6.14	41.49	---	74.00	54.00	-12.51	Peak
N/A										

EUT	Tablet PC	Model Name	T100C
Temperature	26°C	Relative Humidity	56%
Pressure	960hPa	Test voltage	DC 19V From adapter
Test Mode	TX Mid		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
10400	H	38.80	---	2.36	41.16	---	74.00	54.00	-12.84	Peak
15600	H	35.69	---	4.52	40.21	---	74.00	54.00	-13.79	Peak
20800	H	36.18	---	6.14	42.32	---	74.00	54.00	-11.68	Peak
N/A										

Notes: AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

EUT	Tablet PC	Model Name	T100C
Temperature	26°C	Relative Humidity	56%
Pressure	960hPa	Test voltage	DC 19V From adapter
Test Mode	TX High		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
10480	V	38.11	---	2.36	40.47	---	74.00	54.00	-13.53	Peak
15720	V	35.3	---	4.52	39.82	---	74.00	54.00	-14.18	Peak
20960	V	35.39	---	6.14	41.53	---	74.00	54.00	-12.47	Peak
N/A										

EUT	Tablet PC	Model Name	T100C
Temperature	26°C	Relative Humidity	56%
Pressure	960hPa	Test voltage	DC 19V From adapter
Test Mode	TX High		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
10480	H	38.75	---	2.36	41.11	---	74.00	54.00	-12.89	Peak
15720	H	36.01	---	4.52	40.53	---	74.00	54.00	-13.47	Peak
20960	H	36.2	---	6.14	42.34	---	74.00	54.00	-11.66	Peak
N/A										

Notes: AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

IEEE 802.11n/HT20 with 5.2G

EUT	Tablet PC	Model Name	T100C
Temperature	26°C	Relative Humidity	56%
Pressure	960hPa	Test voltage	DC 19V From adapter
Test Mode	TX Low		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
10360	V	37.85	---	2.36	40.21	---	74.00	54.00	-13.79	Peak
15540	V	36.52	---	4.52	41.04	---	74.00	54.00	-12.96	Peak
20720	V	34.07	---	6.14	40.21	---	74.00	54.00	-13.79	Peak
N/A										

EUT	Tablet PC	Model Name	T100C
Temperature	26°C	Relative Humidity	56%
Pressure	960hPa	Test voltage	DC 19V From adapter
Test Mode	TX Low		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
10360	H	37.73	---	2.36	40.09	---	74.00	54.00	-13.91	Peak
15540	H	36.74	---	4.52	41.26	---	74.00	54.00	-12.74	Peak
20720	H	34.30	---	6.14	40.44	---	74.00	54.00	-13.56	Peak
N/A										

Notes: AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

EUT	Tablet PC	Model Name	T100C
Temperature	26°C	Relative Humidity	56%
Pressure	960hPa	Test voltage	DC 19V From adapter
Test Mode	TX Mid		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
10400	V	37.43	---	2.36	39.79	---	74.00	54.00	-14.21	Peak
15600	V	35.70	---	4.52	40.22	---	74.00	54.00	-13.78	Peak
20800	V	35.17	---	6.14	41.31	---	74.00	54.00	-12.69	Peak
N/A										

EUT	Tablet PC	Model Name	T100C
Temperature	26°C	Relative Humidity	56%
Pressure	960hPa	Test voltage	DC 19V From adapter
Test Mode	TX Mid		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
10400	H	38.27	---	2.36	40.63	---	74.00	54.00	-13.37	Peak
15600	H	35.66	---	4.52	40.18	---	74.00	54.00	-13.82	Peak
20800	H	35.12	---	6.14	41.26	---	74.00	54.00	-12.74	Peak
N/A										

Notes: AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

EUT	Tablet PC	Model Name	T100C
Temperature	26°C	Relative Humidity	56%
Pressure	960hPa	Test voltage	DC 19V From adapter
Test Mode	TX High		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
10480	V	37.51	---	2.36	39.87	---	74.00	54.00	-14.13	Peak
15720	V	37.19	---	4.52	41.71	---	74.00	54.00	-12.29	Peak
20960	V	34.80	---	6.14	40.94	---	74.00	54.00	-13.06	Peak
N/A										

EUT	Tablet PC	Model Name	T100C
Temperature	26°C	Relative Humidity	56%
Pressure	960hPa	Test voltage	DC 19V From adapter
Test Mode	TX High		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
10480	H	38.36	---	2.36	40.72	---	74.00	54.00	-13.28	Peak
15720	H	36.65	---	4.52	41.17	---	74.00	54.00	-12.83	Peak
20960	H	33.71	---	6.14	39.85	---	74.00	54.00	-14.15	Peak
N/A										

Notes: AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

IEEE 802.11n/HT40 with 5.2G

EUT	Tablet PC	Model Name	T100C
Temperature	26°C	Relative Humidity	56%
Pressure	960hPa	Test voltage	DC 19V From adapter
Test Mode	TX Low		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
10380	V	37.35	---	2.36	39.71	---	74.00	54.00	-14.29	Peak
15570	V	36.75	---	4.52	41.27	---	74.00	54.00	-12.73	Peak
20760	V	34.18	---	6.14	40.32	---	74.00	54.00	-13.68	Peak
N/A										

EUT	Tablet PC	Model Name	T100C
Temperature	26°C	Relative Humidity	56%
Pressure	960hPa	Test voltage	DC 19V From adapter
Test Mode	TX Low		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
10380	H	37.39	---	2.36	39.75	---	74.00	54.00	-14.25	Peak
15570	H	35.74	---	4.52	40.26	---	74.00	54.00	-13.74	Peak
20760	H	34.93	---	6.14	41.07	---	74.00	54.00	-12.93	Peak
N/A										

Notes: AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

EUT	Tablet PC	Model Name	T100C
Temperature	26°C	Relative Humidity	56%
Pressure	960hPa	Test voltage	DC 19V From adapter
Test Mode	TX High		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
10460	V	37.92	---	2.36	40.28	---	74.00	54.00	-13.72	Peak
15690	V	34.83	---	4.52	39.35	---	74.00	54.00	-14.65	Peak
20920	V	35.59	---	6.14	41.73	---	74.00	54.00	-12.27	Peak
N/A										

EUT	Tablet PC	Model Name	T100C
Temperature	26°C	Relative Humidity	56%
Pressure	960hPa	Test voltage	DC 19V From adapter
Test Mode	TX High		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
10460	H	37.95	---	2.36	40.31	---	74.00	54.00	-13.69	Peak
15690	H	36.74	---	4.52	41.26	---	74.00	54.00	-12.74	Peak
20920	H	34.68	---	6.14	40.82	---	74.00	54.00	-13.18	Peak
N/A										

Notes: AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

From 1G-25GHz with port 1 antenna and port 2 antenna:

Note: This report only test simultaneously transmit IEEE 802.11n HT20 5.2G, IEEE 802.11n HT40 5.2G, other simultaneously transmit see other test report.
IEEE 802.11n/HT20 with 5.2G

EUT	Tablet PC	Model Name	T100C
Temperature	26°C	Relative Humidity	56%
Pressure	960hPa	Test voltage	DC 19V From adapter
Test Mode	TX Low		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
10360	V	38.30	---	2.36	40.66	---	74.00	54.00	-13.34	Peak
15540	V	36.51	---	4.52	41.03	---	74.00	54.00	-12.97	Peak
20720	V	36.01	---	6.14	42.15	---	74.00	54.00	-11.85	Peak
N/A										

EUT	Tablet PC	Model Name	T100C
Temperature	26°C	Relative Humidity	56%
Pressure	960hPa	Test voltage	DC 19V From adapter
Test Mode	TX Low		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
10360	H	37.92	---	2.36	40.28	---	74.00	54.00	-13.72	Peak
15540	H	36.89	---	4.52	41.41	---	74.00	54.00	-12.59	Peak
20720	H	33.75	---	6.14	39.89	---	74.00	54.00	-14.11	Peak
N/A										

Notes: AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

EUT	Tablet PC	Model Name	T100C
Temperature	26°C	Relative Humidity	56%
Pressure	960hPa	Test voltage	DC 19V From adapter
Test Mode	TX Mid		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
10400	V	37.01	---	2.36	39.37	---	74.00	54.00	-14.63	Peak
15600	V	34.19	---	4.52	38.71	---	74.00	54.00	-15.29	Peak
20800	V	32.02	---	6.14	38.16	---	74.00	54.00	-15.84	Peak
N/A										

EUT	Tablet PC	Model Name	T100C
Temperature	26°C	Relative Humidity	56%
Pressure	960hPa	Test voltage	DC 19V From adapter
Test Mode	TX Mid		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
10400	H	37.89	---	2.36	40.25	---	74.00	54.00	-13.75	Peak
15600	H	34.86	---	4.52	39.38	---	74.00	54.00	-14.62	Peak
20800	H	33.48	---	6.14	39.62	---	74.00	54.00	-14.38	Peak
N/A										

Notes: AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

EUT	Tablet PC	Model Name	T100C
Temperature	26°C	Relative Humidity	56%
Pressure	960hPa	Test voltage	DC 19V From adapter
Test Mode	TX High		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
10480	V	36.93	---	2.36	39.29	---	74.00	54.00	-14.71	Peak
15720	V	37.19	---	4.52	41.71	---	74.00	54.00	-12.29	Peak
20960	V	34.99	---	6.14	41.13	---	74.00	54.00	-12.87	Peak
N/A										

EUT	Tablet PC	Model Name	T100C
Temperature	26°C	Relative Humidity	56%
Pressure	960hPa	Test voltage	DC 19V From adapter
Test Mode	TX High		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
10480	H	38.46	---	2.36	40.82	---	74.00	54.00	-13.18	Peak
15720	H	36.74	---	4.52	41.26	---	74.00	54.00	-12.74	Peak
20960	H	34.80	---	6.14	40.94	---	74.00	54.00	-13.06	Peak
N/A										

Notes: AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

IEEE 802.11n/HT40 with 5.2G

EUT	Tablet PC	Model Name	T100C
Temperature	26°C	Relative Humidity	56%
Pressure	960hPa	Test voltage	DC 19V From adapter
Test Mode	TX Low		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
10380	V	37.75	---	2.36	40.11	---	74.00	54.00	-13.89	Peak
15570	V	34.86	---	4.52	39.38	---	74.00	54.00	-14.62	Peak
20760	V	34.08	---	6.14	40.22	---	74.00	54.00	-13.78	Peak
N/A										

EUT	Tablet PC	Model Name	T100C
Temperature	26°C	Relative Humidity	56%
Pressure	960hPa	Test voltage	DC 19V From adapter
Test Mode	TX Low		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
10380	H	37.35	---	2.36	39.71	---	74.00	54.00	-14.29	Peak
15570	H	36.11	---	4.52	40.63	---	74.00	54.00	-13.37	Peak
20760	H	34.92	---	6.14	41.06	---	74.00	54.00	-12.94	Peak
N/A										

Notes: AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

EUT	Tablet PC	Model Name	T100C
Temperature	26°C	Relative Humidity	56%
Pressure	960hPa	Test voltage	DC 19V From adapter
Test Mode	TX High		

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
10460	V	38.07	---	2.36	40.43	---	74.00	54.00	-13.57	Peak
15690	V	36.8	---	4.52	41.32	---	74.00	54.00	-12.68	Peak
20920	V	36.07	---	6.14	42.21	---	74.00	54.00	-11.79	Peak
N/A										

EUT	Tablet PC	Model Name	T100C
Temperature	26°C	Relative Humidity	56%
Pressure	960hPa	Test voltage	DC 19V From adapter
Test Mode	TX High		

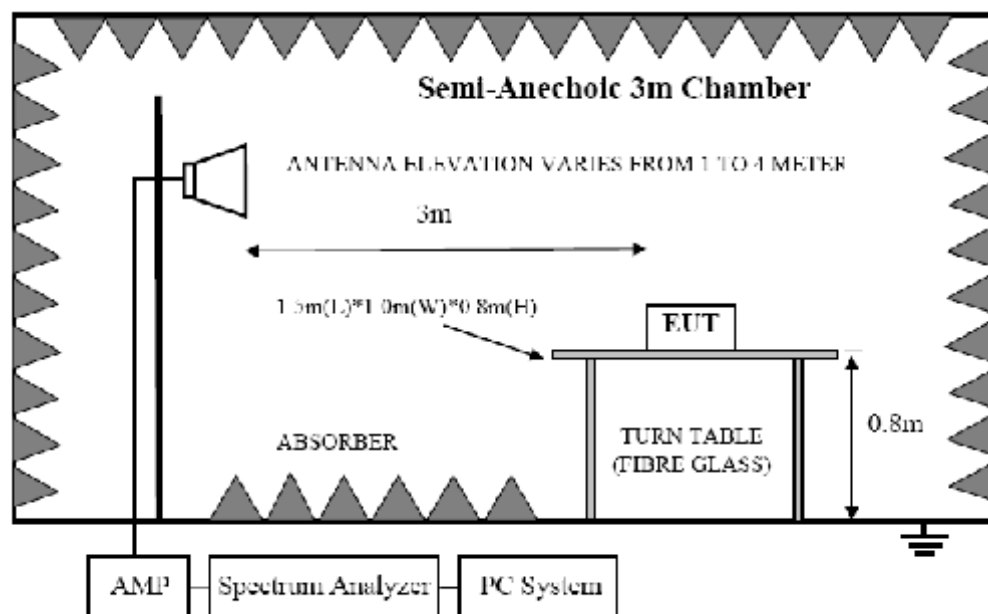
Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Remark
					Peak (dBuV/m)	AV (dBuV/m)				
10460	H	36.61	---	2.36	38.97	---	74.00	54.00	-15.03	Peak
15690	H	35.26	---	4.52	39.78	---	74.00	54.00	-14.22	Peak
20920	H	35.05	---	6.14	41.19	---	74.00	54.00	-12.81	Peak
N/A										

Notes: AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

11 Band Edge Compliance

11.1 Block Diagram of Test Setup



11.2 Limit

All the lower and upper band-edges emissions appearing within restricted frequency bands shall not exceed the limits shown in 15.209, all the emissions outside operation frequency band shall comply with 15.407(b)(1) requirement.

11.3 Test Procedure

1. The EUT is placed on a turntable, which is 0.8m above the ground plane and worked at highest radiated power.
2. The turntable was rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.
4. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:
 - (a) PEAK: RBW=VBW=1MHz / Sweep=AUTO
 - (b) AVERAGE: RBW=1MHz / VBW=10Hz / Sweep=AUTO
5. The maximum emission at 3m distance was measured and recorded with receive antenna in both vertical and horizontal by rotating the turntable and by lowering the receive antenna.

6. The EUT was then removed and replaced with a substitution antenna in the same position and the substitution antenna must have the same polarization with the receive antenna.

7. A signal which have the same frequency obtained in step 2 was fed to the substitution, the receive antenna was raised and lowered to obtain a maximum reading at the test receiver, the level of the signal generator was adjusted until the measured field strength level in step 2 was obtained, recorded the level of the signal generator.

8. Repeated step 4 with both antenna polarizations

9. The spurious emissions is equal to the power supplied by the signal generator and corrections due to the gain of the substitution antenna and the cable loss between the signal generator and the substitution antenna.

11.4 Test Results

PASS.

Detailed information please see the following page.

From 1G-25GHz with port 1 antenna

IEEE 802.11a with 5.2G:

CH LOW :

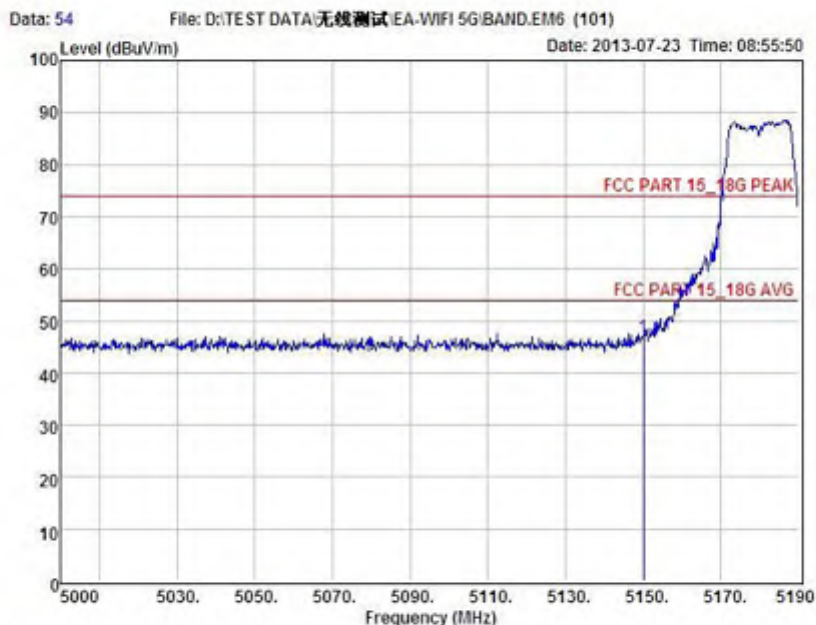


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Condition : FCC PART 15.18G PEAK 3m POL: HORIZONTAL
EUT : Tablet PC
Model No : T100C
Test Mode : PORT 1 IEEE 802.11 a -S180MHz
Power : DC 19V From adapter with AC 120V/60Hz
Test Engineer : Simple
Remark :
Temp : 24.2°C
Hum : 54%

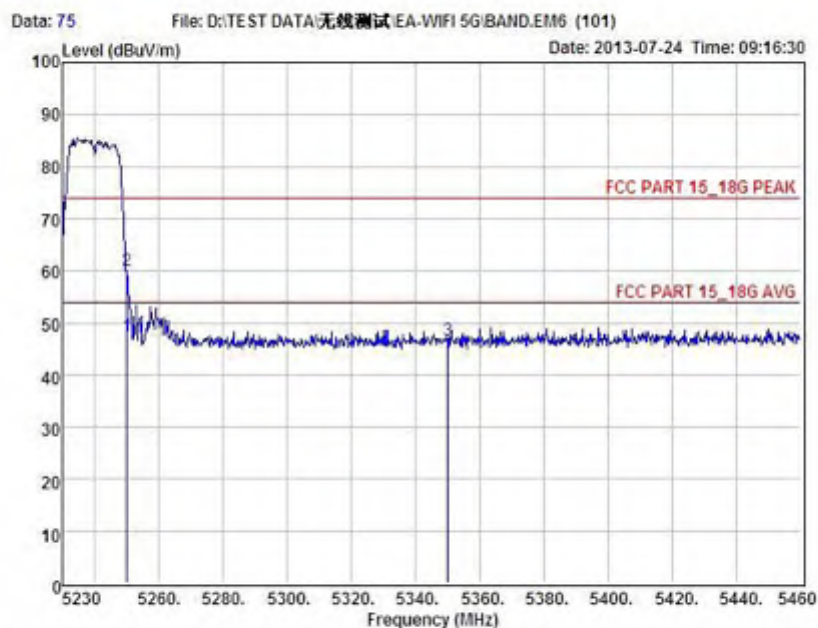
Item	Freq MHz	Read Level dBuV	Antenna Factor dB	Preamplifier Factor dB	Cable Loss dB	Level dBuV	Limit dBuV	Margin dBuV	Remark
1	5150.00	43.38	31.65	33.90	5.92	47.05	74.00	-26.95	Peak

Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss

CH High :



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Condition : FCC PART 15_18G PEAK 3m POL: HORIZONTAL
 EUT : Tablet PC
 Model No : T100C
 Test Mode : PORT 1 IEEE 802.11 A-5240MHz
 Power : DC 19V From adapter with AC 120V/60Hz
 Test Engineer : Simple
 Remark :
 Temp : 24.2°C
 Hum : 54%

Item	Freq MHz	Read Level dBuV	Antenna Factor dB	Preamp Factor dB	Cable Loss dB	Level dBuV	Limit dBuV	Margin dBuV	Remark
1	5250.00	48.69	31.69	33.82	5.98	47.84	54.00	-6.46	Average
2	5250.00	56.14	31.69	33.82	5.98	59.99	74.00	-14.01	Peak
3	5350.00	42.58	31.73	33.73	6.05	46.63	74.00	-27.37	Peak

Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss



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Condition : FCC PART 15_18G PEAK 3m POL: VERTICAL
 EUT : Tablet PC
 Model No : T100C
 Test Mode : PORT 1 IEEE 802.11 A-5240MHz
 Power : DC 19V From adapter with AC 120V/60Hz
 Test Engineer : Simple
 Remark :
 Temp : 24.2°C
 Num : 544

Item	Freq MHz	Read Level dBuV	Antenna Factor dB	Preamplifier Factor dB	Cable Loss dB	Level dBuV	Limit dBuV	Margin dBuV	Remark
1	5250.00	48.91	31.69	33.82	5.98	49.76	54.00	-4.24	Average
2	5250.00	56.61	31.69	33.82	5.98	60.46	74.00	-13.54	Peak
3	5350.00	42.32	31.73	33.73	6.05	46.37	74.00	-27.63	Peak

Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss

IEEE 802.11n/HT20 with 5.2G:

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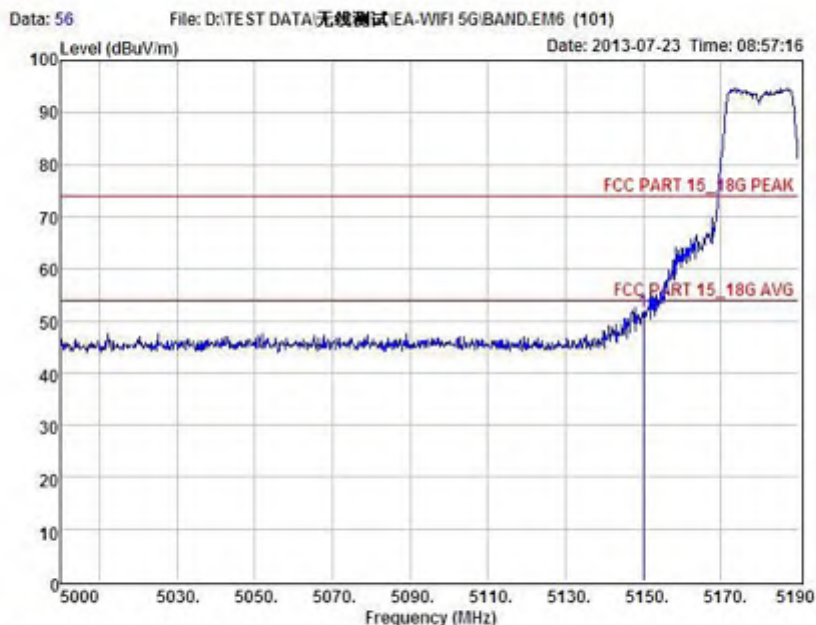
Condition : FCC PART 15_18G PEAK 3m POL: HORIZONTAL
EUT : Tablet PC
Model No : T100C
Test Mode : PORT 1 IEEE 802.11 N20 -5180MHz
Power : DC 19V From adapter with AC 120V/60Hz
Test Engineer : Simple
Remark :
Temp : 24.2°C
Hum : 54%

Item	Freq MHz	Read Level dBuV	Antenna Factor dB	Preamplifier Factor dB	Cable Loss dB	Level dBuV	Limit dBuV	Margin dBuV	Remark
1	5150.00	42.57	31.65	33.90	5.92	46.24	74.00	-27.76	Peak

Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss



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Condition : FCC PART 15.18G PEAK 3m POL: VERTICAL
EUT : Tablet PC
Model No : T100C
Test Mode : PORT 1 IEEE 802.11 N20 -5180MHz
Power : DC 19V From adapter with AC 120V/60Hz
Test Engineer : Simple
Remark :
Temp : 24.2°C
Num : 544

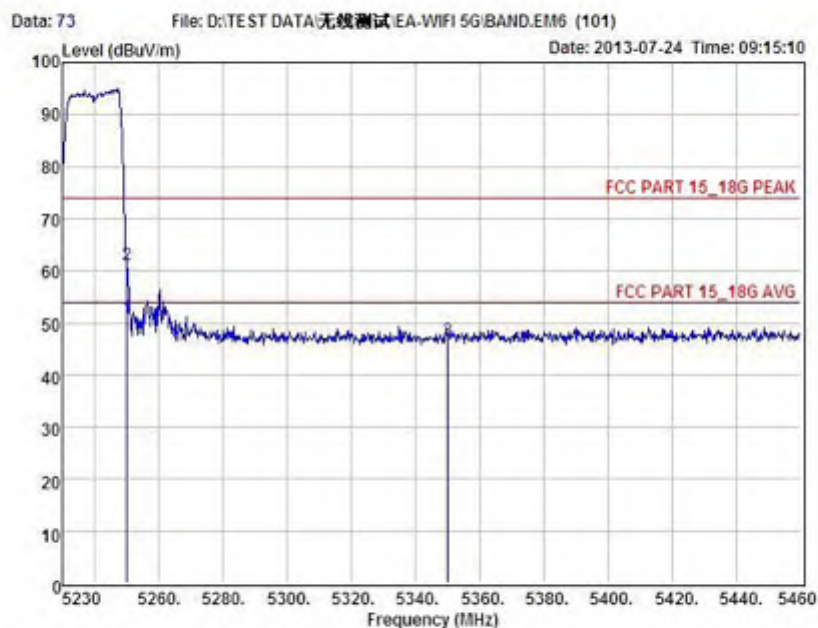
Item	Freq MHz	Read Level dBuV	Antenna Factor dB	Preamp Factor dB	Cable Loss dB	Level dBuV	Limit dBuV	Margin dBuV	Remark
1	5150.00	48.06	31.65	33.90	5.92	51.73	74.00	-22.27	Peak

Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss

CH High :



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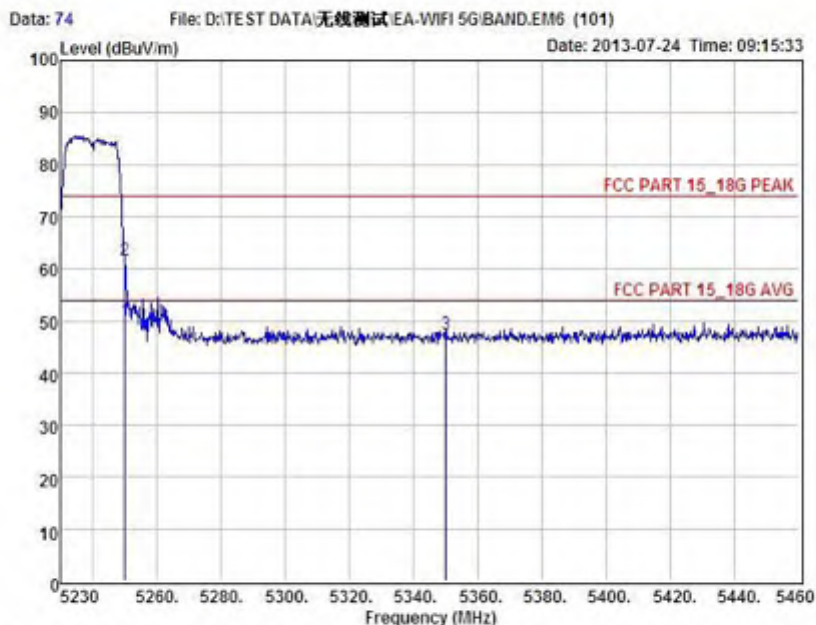
Condition : FCC PART 15_18G PEAK 3m POL: VERTICAL
EUT : Tablet PC
Model No : T1100C
Test Mode : PORT 1 IEEE 802.11 N20 -5240MHz
Power : DC 19V From adapter with AC 120V/60Hz
Test Engineer : Simple
Remark :
Temp : 24.2°C
Hum : 54%

Item	Freq MHz	Read Level dBuV	Antenna Factor dB	Preamp Factor dB	Cable Loss dB	Level dBuV	Limit dBuV	Margin dBuV	Remark
1	5250.00	46.99	31.69	33.82	5.98	50.84	54.00	-3.16	Average
2	5250.00	57.17	31.69	33.82	5.98	61.02	74.00	-12.98	Peak
3	5350.00	42.62	31.73	33.73	6.05	46.67	74.00	-27.33	Peak

Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss



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Condition : FCC PART 15_18G PEAK 3m POL: HORIZONTAL
 EUT : Tablet PC
 Model No : T100C
 Test Mode : PORT 1 IEEE 802.11 N20 -5240MHz
 Power : DC 19V From adapter with AC 120V/60Hz
 Test Engineer : Simple
 Remark :
 Temp : 24.2°C
 Num : 544

Item	Freq MHz	Read Level dBuV	Antenna Factor dB	Preamplifier Factor dB	Cable Loss dB	Level dBuV	Limit dBuV	Margin dBuV	Remark
1	5250.00	46.28	31.69	33.82	5.98	50.13	54.00	-3.87	Average
2	5250.00	57.89	31.69	33.82	5.98	61.74	74.00	-12.26	Peak
3	5350.00	43.33	31.73	33.73	6.05	47.38	74.00	-26.62	Peak

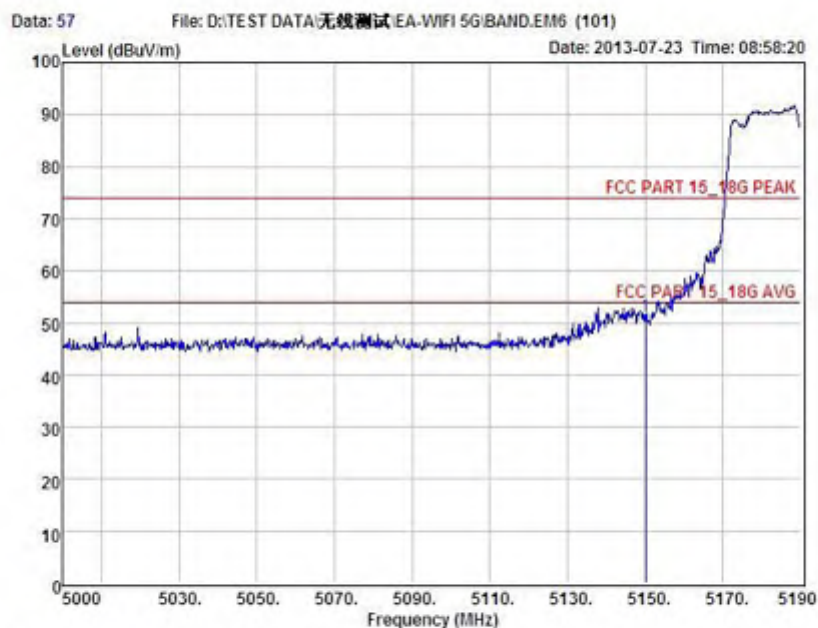
Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss

IEEE 802.11n/HT40 with 5.2G:

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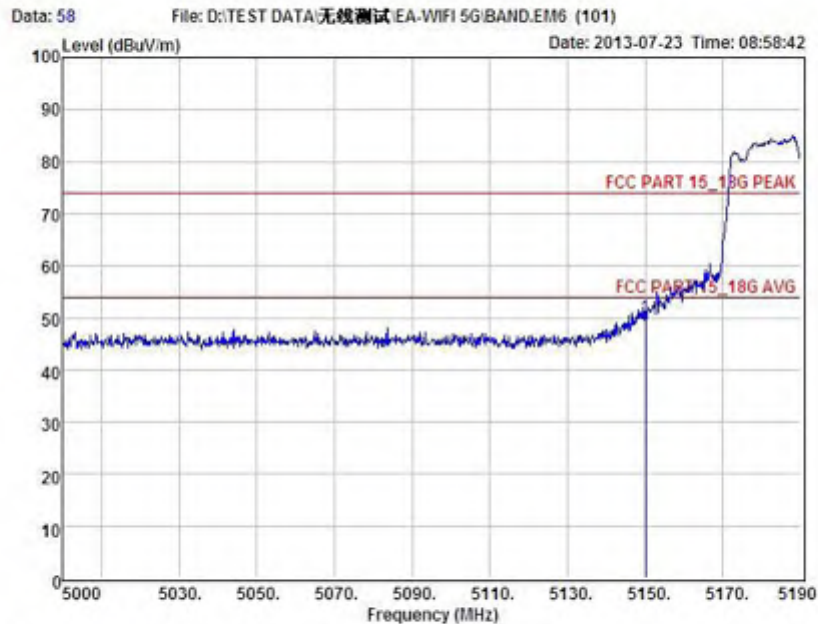
Condition : FCC PART 15_18G PEAK 3m POL: VERTICAL
EUT : Tablet PC
Model No : T100C
Test Mode : PORT 1 IEEE 802.11 N40 -5190MHz
Power : DC 19V From adapter with AC 120V/60Hz
Test Engineer : Simple
Remark :
Temp : 24.2°C
Hum : 54%

Item	Freq MHz	Read Level dBuV	Antenna Factor dB	Preamp Factor dB	Cable Loss dB	Level dBuV	Limit dBuV	Margin dBuV	Remark
1	5150.00	47.48	31.65	33.90	5.92	51.12	74.00	-22.88	Peak

Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss



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Condition : FCC PART 15_18G PEAK 3m POL: HORIZONTAL
EUT : Tablet PC
Model No : T100C
Test Mode : PORT 1 IEEE 802.11 N40 -5190MHz
Power : DC 19V From adapter with AC 120V/60Hz
Test Engineer : Simple
Remark :
Temp : 24.2°C
Hum : 54%

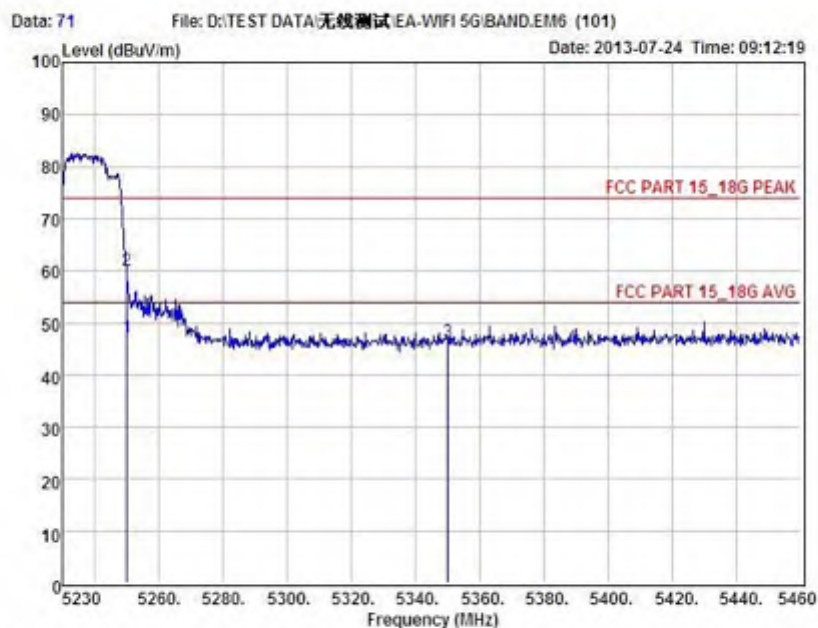
Item	Freq MHz	Read Level dBuV	Antenna Factor dB	Preamp Factor dB	Cable Loss dB	Level dBuV	Limit dBuV	Margin dBuV	Remark
1	5150.00	46.57	31.65	33.90	5.92	50.24	74.00	-23.76	Peak

Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss

CH High :



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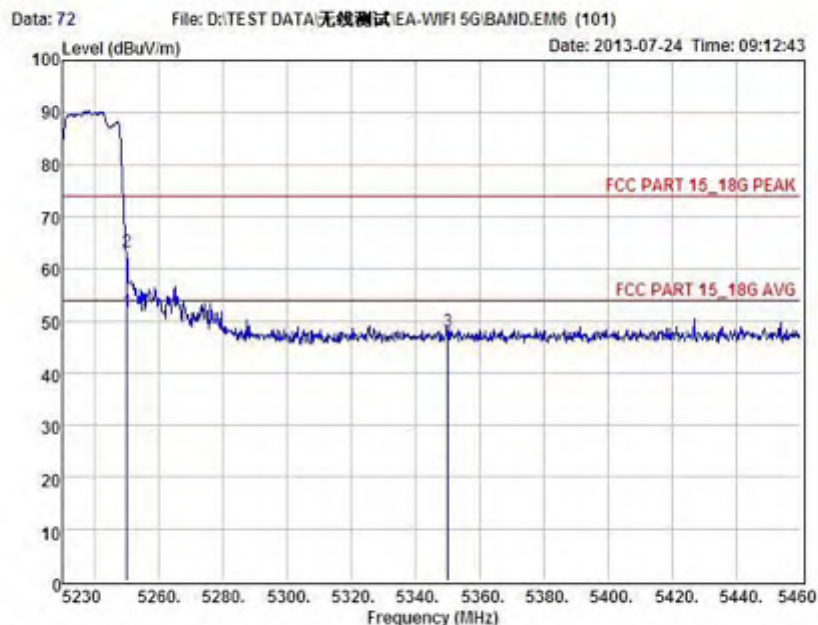
Condition : FCC PART 15_18G PEAK 3m POL: HORIZONTAL
EUT : Tablet PC
Model No : T1100C
Test Mode : PORT 1 IEEE 802.11 N40 -5230MHz
Power : DC 19V From adapter with AC 120V/60Hz
Test Engineer : Simple
Remark :
Temp : 24.2°C
Hum : 54%

Item	Freq MHz	Read Level dBuV	Antenna Factor dB	Preamp Factor dB	Cable Loss dB	Level dBuV	Limit dBuV	Margin dBuV	Remark
1	5250.00	48.31	31.69	33.82	5.98	47.15	54.00	-6.84	Average
2	5250.00	56.09	31.69	33.82	5.98	59.94	74.00	-14.06	Peak
3	5350.00	42.43	31.73	33.73	6.05	46.48	74.00	-27.52	Peak

Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss



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Condition : FCC PART 15_18G PEAK 3m POL: VERTICAL
 EUT : Tablet PC
 Model No : T100C
 Test Mode : PORT 1 IEEE 802.11 N40 -5230MHz
 Power : DC 19V From adapter with AC 120V/60Hz
 Test Engineer : Simple
 Remark :
 Temp : 24.2°C
 Num : 544

Item	Freq MHz	Read Level dBuV	Antenna Factor dB	Preamplifier Factor dB	Cable Loss dB	Level dBuV	Limit dBuV	Margin dBuV	Remark
1	5250.00	48.01	31.69	33.82	5.98	51.66	54.00	-2.14	Average
2	5250.00	59.39	31.69	33.82	5.98	63.24	74.00	-10.76	Peak
3	5350.00	43.82	31.73	33.73	6.05	47.67	74.00	-26.13	Peak

Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss

From 1G-25GHz with port 2 antenna

IEEE 802.11a with 5.2G:

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Condition : FCC PART 15_18G PEAK 3m POL: HORIZONTAL
EUT : Tablet PC
Model No : T100C
Test Mode : PORT 2 IEEE 802.11 a -5180MHz
Power : DC 19V From adapter with AC 120V/60Hz
Test Engineer : Simple
Remark :
Temp : 24.2°C
Hum : 54%

Item	Freq MHz	Read Level dBUV	Antenna Factor dB	Preamplifier Factor dB	Cable Loss dB	Level dBUV	Limit dBUV	Margin dBUV	Remark
1	5150.00	42.56	31.65	33.90	5.92	46.23	74.00	-27.77	Peak

Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss



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Condition : FCC PART 15_18G PEAK 3m POL: VERTICAL
EUT : Tablet PC
Model No : T100C
Test Mode : PORT 2 IEEE 802.11 a -S180MHz
Power : DC 19V From adapter with AC 120V/60Hz
Test Engineer : Simple
Remark :
Temp : 24.2°C
Num : 544

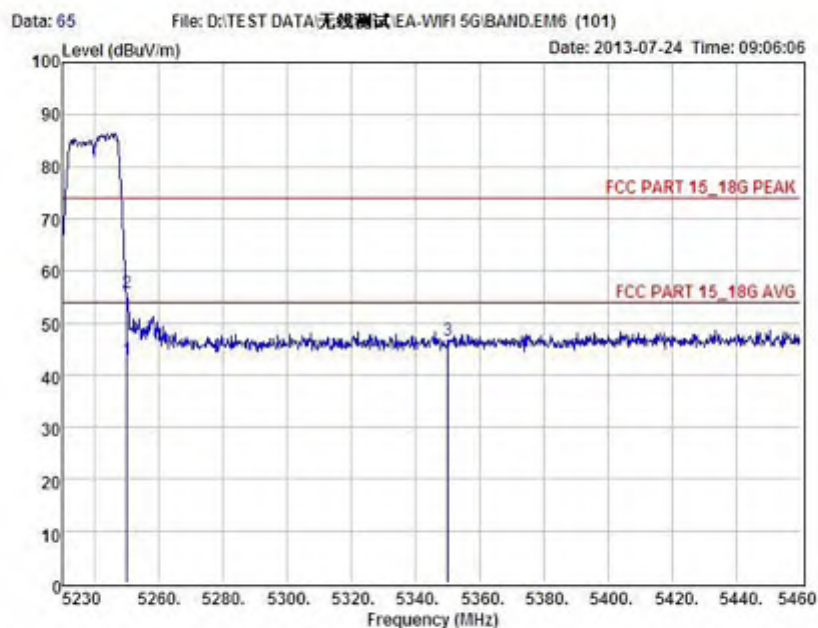
Item	Freq MHz	Read Level dBuV	Antenna Factor dB	Preamplifier Factor dB	Cable Loss dB	Level dBuV	Limit dBuV	Margin dBuV	Remark
1	5150.00	42.37	31.65	33.90	5.92	46.04	74.00	-27.96	Peak

Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss

CH High :



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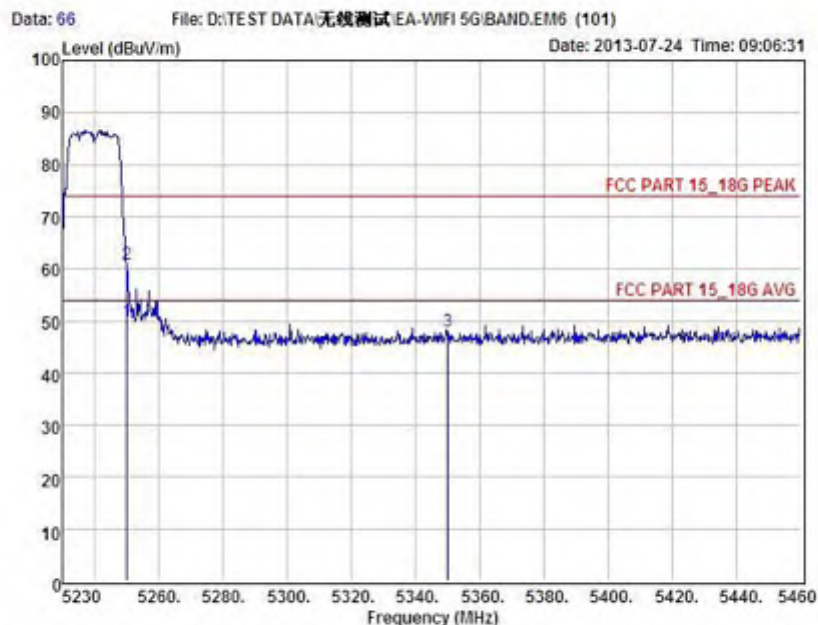
Condition : FCC PART 15_18G PEAK 3m POL: VERTICAL
EUT : Tablet PC
Model No : T1100C
Test Mode : PORT 2 IEEE 802.11 a -5240MHz
Power : DC 19V From adapter with AC 120V/60Hz
Test Engineer : Simple
Remark :
Temp : 24.2°C
Hum : 54%

Item	Freq MHz	Read Level dBuV	Antenna Factor dB	Preamp Factor dB	Cable Loss dB	Level dBuV	Limit dBuV	Margin dBuV	Remark
1	5250.00	38.94	31.69	33.82	5.98	42.79	54.00	-11.21	Average
2	5250.00	52.01	31.69	33.82	5.98	55.86	74.00	-18.14	Peak
3	5350.00	42.63	31.73	33.73	6.05	46.68	74.00	-27.32	Peak

Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss



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Condition : FCC PART 15_18G PEAK 3m POL: HORIZONTAL
 EUT : Tablet PC
 Model No : T100C
 Test Mode : PORT 2 IEEE 802.11 a -S240MHz
 Power : DC 19V From adapter with AC 120V/60Hz
 Test Engineer : Simple
 Remark :
 Temp : 24.2°C
 Num : 544

Item	Freq MHz	Read Level dBuV	Antenna Factor dB	Preamplifier Factor dB	Cable Loss dB	Level dBuV	Limit dBuV	Margin dBuV	Remark
1	5250.00	48.89	31.69	33.82	5.98	49.74	54.00	-4.26	Average
2	5250.00	56.93	31.69	33.82	5.98	60.78	74.00	-13.22	Peak
3	5350.00	43.96	31.73	33.73	6.05	49.01	74.00	-25.99	Peak

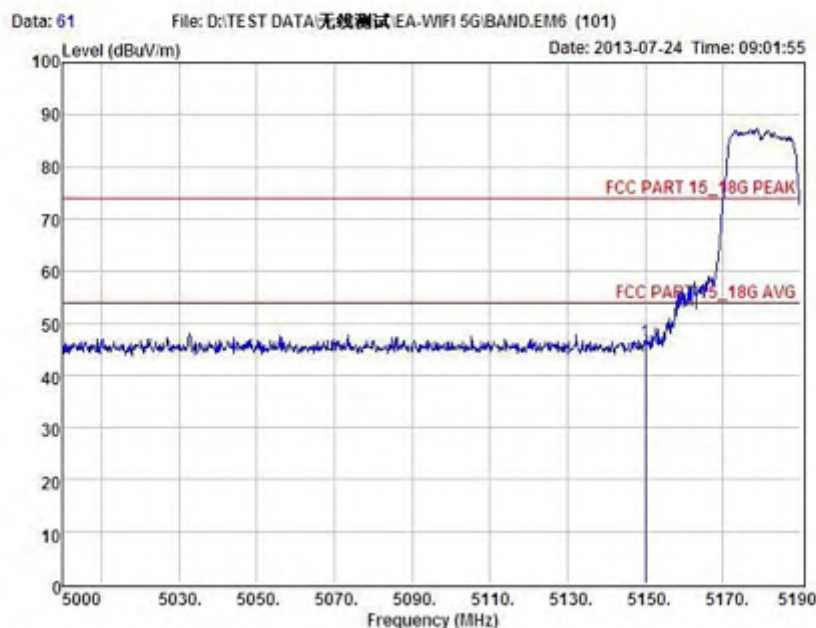
Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss

IEEE 802.11n/HT20 with 5.2G:

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Condition : FCC PART 15_18G PEAK 3m POL: VERTICAL
EUT : Tablet PC
Model No : T100C
Test Mode : PORT 2 IEEE 802.11 N20 -5180MHz
Power : DC 19V From adapter with AC 120V/60Hz
Test Engineer : Simple
Remark :
Temp : 24.2°C
Hum : 54%

Item	Freq MHz	Read Level dBuV	Antenna Factor dB	Preamplifier Factor dB	Cable Loss dB	Level dBuV	Limit dBuV	Margin dBuV	Remark
1	5150.00	42.75	31.65	33.90	5.92	46.42	74.00	-27.58	Peak

Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss



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Condition : FCC PART 15_18G PEAK 3m POL: HORIZONTAL
EUT : Tablet PC
Model No : T100C
Test Mode : PORT 2 IEEE 802.11 N20 -5180MHz
Power : DC 19V From adapter with AC 120V/60Hz
Test Engineer : Simple
Remark :
Temp : 24.2°C
Hum : 54%

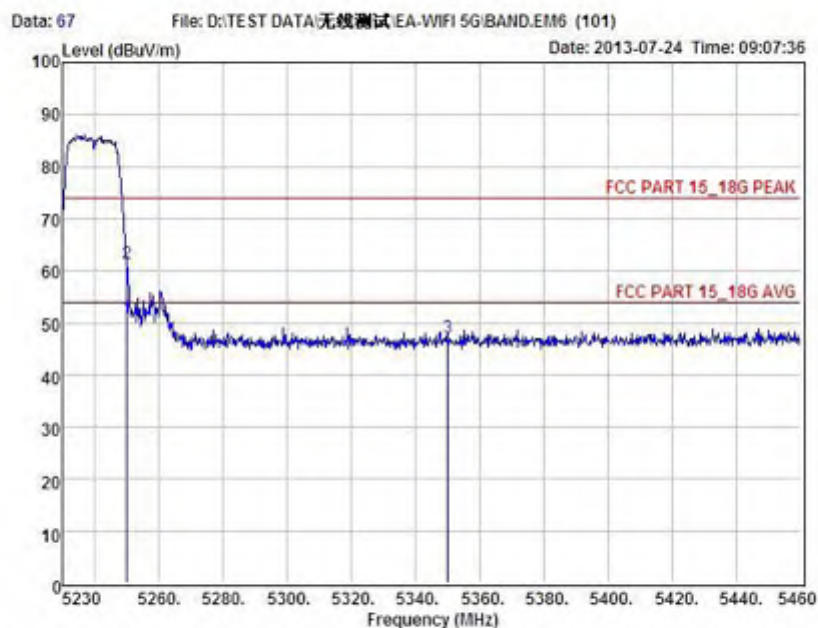
Item	Freq MHz	Read Level dBuV	Antenna Factor dB	Preamp Factor dB	Cable Loss dB	Level dBuV	Limit dBuV	Margin dBuV	Remark
1	5150.00	41.75	31.65	33.90	5.92	45.42	74.00	-28.58	Peak

Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss

CH High :



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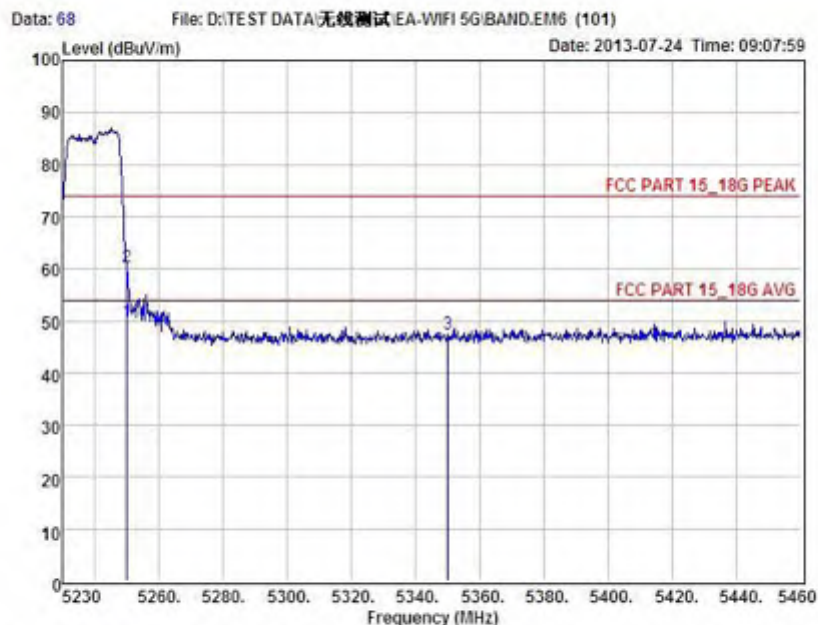
Condition : FCC PART 15_18G PEAK 3m POL: HORIZONTAL
 EUT : Tablet PC
 Model No : T1100C
 Test Mode : PORT 2 IEEE 802.11 N20 -5240MHz
 Power : DC 19V From adapter with AC 120V/60Hz
 Test Engineer : Simple
 Remark :
 Temp : 24.2°C
 Hum : 54%

Item	Freq MHz	Read Level dBuV	Antenna Factor dB	Preamp Factor dB	Cable Loss dB	Level dBuV	Limit dBuV	Margin dBuV	Remark
1	5250.00	47.00	31.69	33.82	5.98	50.85	54.00	-3.15	Average
2	5250.00	57.67	31.69	33.82	5.98	61.82	74.00	-12.48	Peak
3	5350.00	43.10	31.73	33.73	6.05	47.15	74.00	-26.85	Peak

Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss



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Condition : FCC PART 15_18G PEAK 3m POL: VERTICAL
 EUT : Tablet PC
 Model No : T100C
 Test Mode : PORT 2 IEEE 802.11 N20 -5240MHz
 Power : DC 19V From adapter with AC 120V/60Hz
 Test Engineer : Simple
 Remark :
 Temp : 24.2°C
 Num : 544

Item	Freq MHz	Read Level dBuV	Antenna Factor dB	Preamplifier Factor dB	Cable Loss dB	Level dBuV	Limit dBuV	Margin dBuV	Remark
1	5250.00	48.89	31.69	33.82	5.98	49.74	54.00	-4.26	Average
2	5250.00	56.54	31.69	33.82	5.98	60.39	74.00	-13.61	Peak
3	5350.00	43.32	31.73	33.73	6.05	47.37	74.00	-26.63	Peak

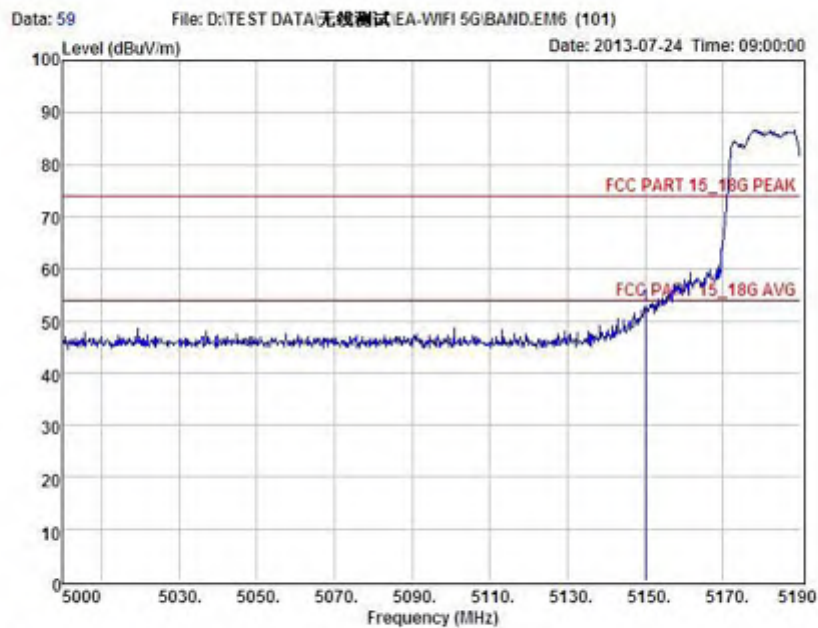
Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss

IEEE 802.11n/HT40 with 5.2G:

CH LOW :



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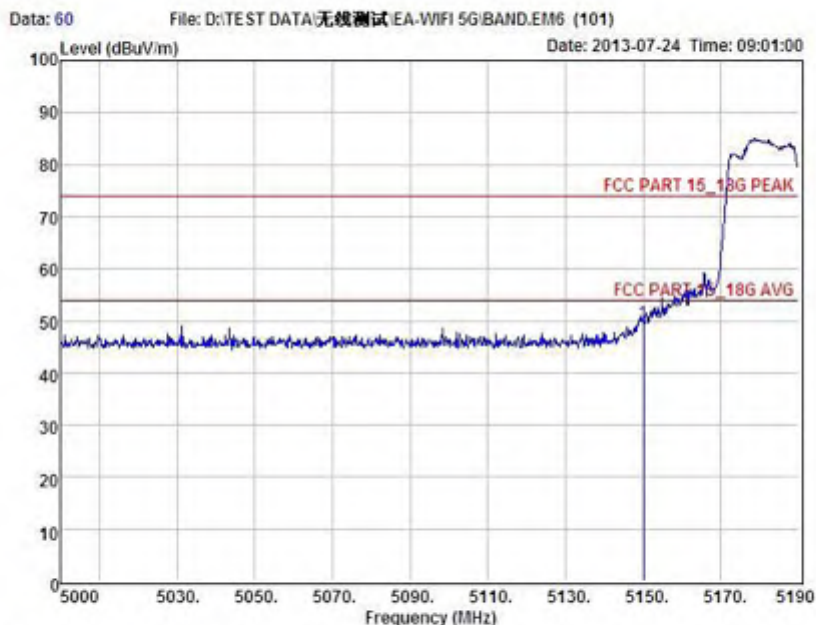
Condition : FCC PART 15_18G PEAK 3m POL: HORIZONTAL
EUT : Tablet PC
Model No : T100C
Test Mode : PORT 2 IEEE 802.11 N40 -5190MHz
Power : DC 19V From adapter with AC 120V/60Hz
Test Engineer : Simple
Remark :
Temp : 24.2°C
Hum : 54%

Item	Freq MHz	Read Level dBuV	Antenna Factor dB	Preamp Factor dB	Cable Loss dB	Level dBuV	Limit dBuV	Margin dBuV	Remark
1	5150.00	49.10	31.65	33.90	5.92	52.77	74.00	-21.23	Peak

Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss



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Condition : FCC PART 15_18G PEAK 3m POL: VERTICAL
EUT : Tablet PC
Model No : T100C
Test Mode : PORT 2 IEEE 802.11 N40 -5190MHz
Power : DC 19V From adapter with AC 120V/60Hz
Test Engineer : Simple
Remark :
Temp : 24.2°C
Num : 544

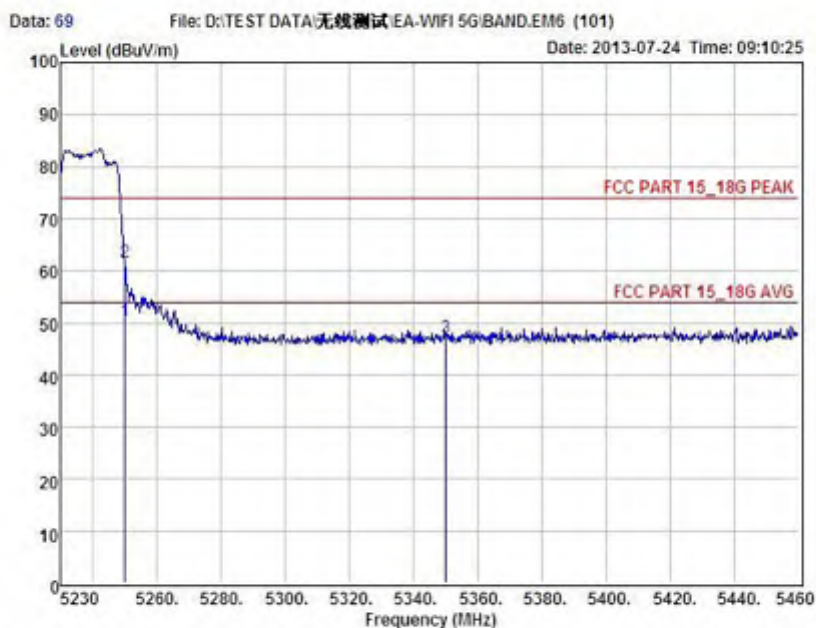
Item	Freq MHz	Read Level dBuV	Antenna Factor dB	Preamp Factor dB	Cable Loss dB	Level dBuV	Limit dBuV	Margin dBuV	Remark
1	5150.00	48.98	31.65	33.90	5.92	49.65	74.00	-24.35	Peak

Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss

CH High :



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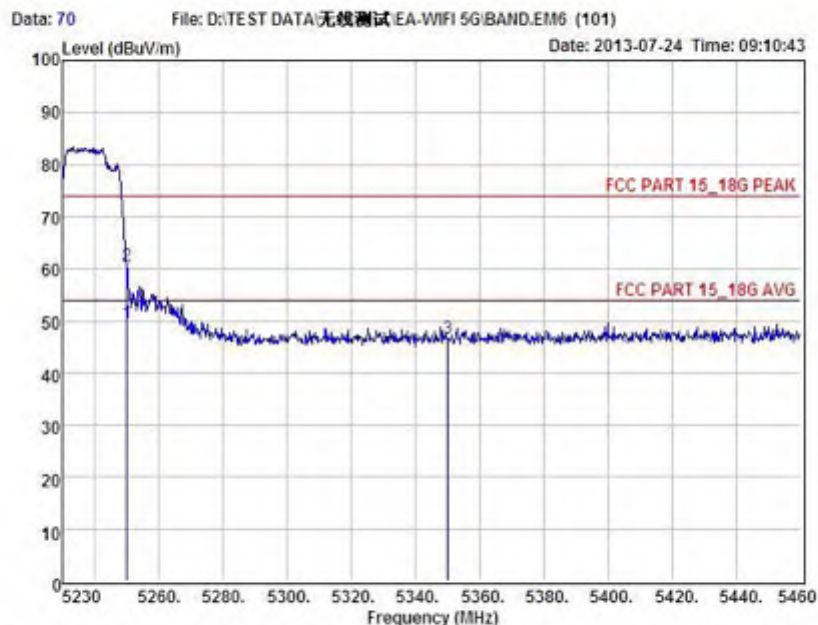
Condition : FCC PART 15_18G PEAK 3m POL: VERTICAL
 EUT : Tablet PC
 Model No : T1100C
 Test Mode : PORT 2 IEEE 802.11 N40 -5230MHz
 Power : DC 19V From adapter with AC 120V/60Hz
 Test Engineer : Simple
 Remark :
 Temp : 24.2°C
 Hum : 54%

Item	Freq MHz	Read Level dBuV	Antenna Factor dB	Preamp Factor dB	Cable Loss dB	Level dBuV	Limit dBuV	Margin dBuV	Remark
1	5250.00	46.46	31.69	33.82	5.98	50.31	54.00	-3.69	Average
2	5250.00	57.72	31.69	33.82	5.98	61.57	74.00	-12.43	Peak
3	5350.00	43.25	31.73	33.73	6.05	47.30	74.00	-26.70	Peak

Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss



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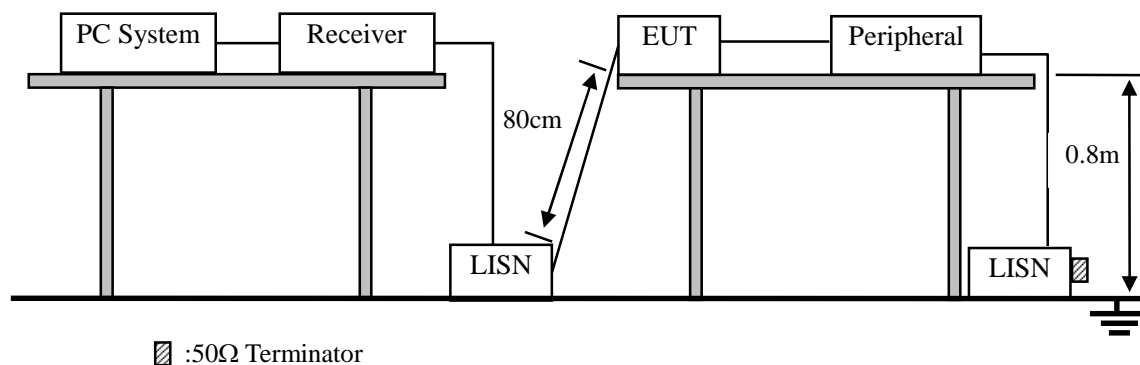
Condition : FCC PART 15_18G PEAK 3m POL: HORIZONTAL
 EUT : Tablet PC
 Model No : T100C
 Test Mode : PORT 2 IEEE 802.11 N40 -5230MHz
 Power : DC 19V From adapter with AC 120V/60Hz
 Test Engineer : Simple
 Remark :
 Temp : 24.2°C
 Num : 544

Item	Freq MHz	Read Level dBuV	Antenna Factor dB	Preamplifier Factor dB	Cable Loss dB	Level dBuV	Limit dBuV	Margin dBuV	Remark
1	5250.00	45.69	31.69	33.82	5.98	49.54	54.00	-4.46	Average
2	5280.00	56.71	31.69	33.82	5.98	60.86	74.00	-13.14	Peak
3	5350.00	42.51	31.73	33.73	6.05	46.56	74.00	-27.44	Peak

Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss

12 Power Line Conducted Emissions

12.1 Block Diagram of Test Setup



12.2 Limit

Frequency	Maximum RF Line Voltage	
	Quasi-Peak Level dB(μV)	Average Level dB(μV)
150kHz ~ 500kHz	66 ~ 56*	56 ~ 46*
500kHz ~ 5MHz	56	46
5MHz ~ 30MHz	60	50

Notes: 1. * Decreasing linearly with logarithm of frequency.

2. The lower limit shall apply at the transition frequencies.

12.3 Test Procedure

- (1) The EUT was placed on a non-metallic table, 80cm above the ground plane.
- (2) Setup the EUT and simulator as shown in section 1.4 and 8.1
- (3) The EUT Power connected to the power mains through PC and a line impedance stabilization network (L.I.S.N1). The other peripheral devices power cord connected to the power mains through a line impedance stabilization network (L.I.S.N1), this provided a 50-ohm coupling impedance for the EUT (Please refer to the block diagram of the test setup and photographs). Both sides of power line were checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were

changed according to ANSI C63.4 2009 and ANSI C64.10:2009 on conducted Emission test.

(4) The bandwidth of test receiver is set at 10KHz.

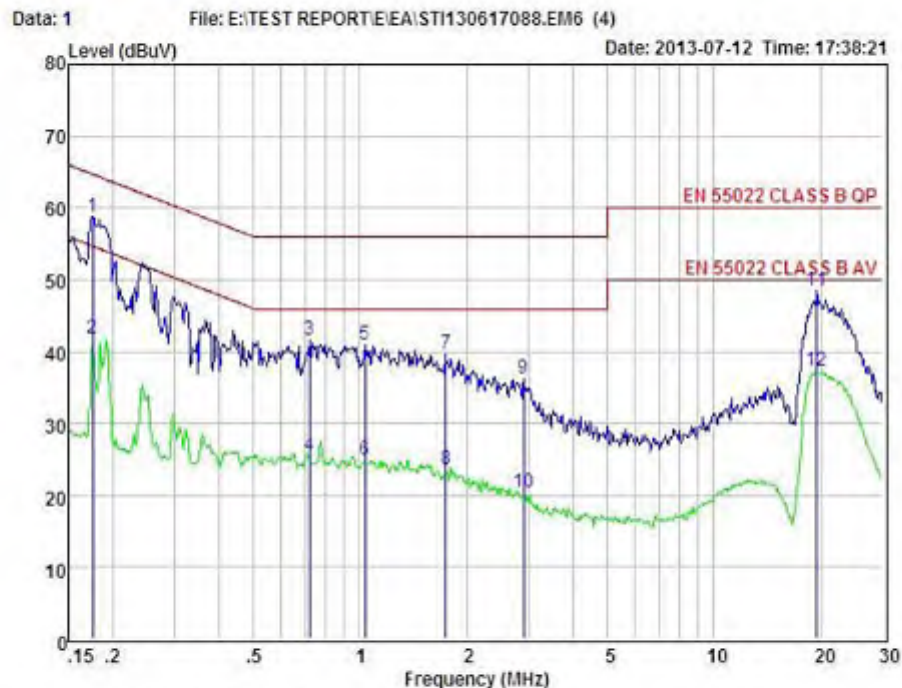
(5) The frequency range from 150 KHz to 30MHz is checked.

12.4 Test Result

PASS. (See below detailed test data)



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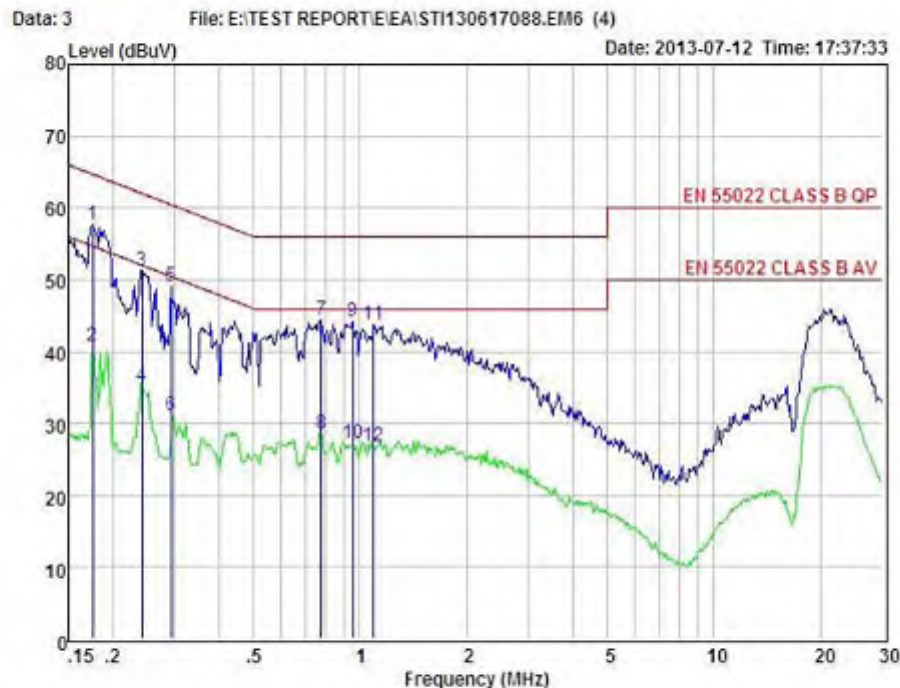
Condition : EN 55022 CLASS B QP POL: LINE Temp: Hum:
 EUI : Tablet PC
 Model No : T100C
 Test Mode : Link mode and Charger
 Power : DC 19V Adapter Input AC 230V/50Hz
 Test Engineer: Sky
 Remark :

Item	Freq MHz	Read dBuV	LISN Factor dB	Preamp Factor dB	Cable Loss dB	Level dBuV	Limit dBuV	Margin dBuV	Remark
1	0.175	48.93	0.03	-9.72	0.10	58.78	64.70	-5.92	QP
2	0.175	31.93	0.03	-9.72	0.10	41.78	54.70	-12.92	Average
3	0.722	31.67	0.04	-9.72	0.10	41.53	56.00	-14.47	QP
4	0.722	15.67	0.04	-9.72	0.10	25.53	46.00	-20.47	Average
5	1.034	31.02	0.04	-9.71	0.10	40.87	56.00	-15.13	QP
6	1.034	15.02	0.04	-9.71	0.10	24.87	46.00	-21.13	Average
7	1.747	29.77	0.05	-9.70	0.10	39.62	56.00	-16.38	QP
8	1.747	13.77	0.05	-9.70	0.10	23.62	46.00	-22.38	Average
9	2.894	26.42	0.07	-9.70	0.12	36.31	56.00	-19.69	QP
10	2.894	10.42	0.07	-9.70	0.12	20.31	46.00	-25.69	Average
11	19.523	38.28	0.31	-9.48	0.34	48.41	60.00	-11.59	QP
12	19.523	27.28	0.31	-9.48	0.34	37.41	50.00	-12.59	Average

Remarks: Level = Read + LISN Factor - Preamp Factor + Cable loss



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Website: <http://www.cessz.com> Email: Service@cessz.com



Condition : EN 55022 CLASS B QP POL: NEUTRAL Temp: Hum:
EUI : Tablet PC
Model No : T100C
Test Mode : Link mode and Charger
Power : DC 19V Adapter Input AC 230V/50Hz
Test Engineer: Sky
Remark :

Item	Freq MHz	Read dBuV	LISN Factor dB	Preamp Factor dB	Cable Loss dB	Level dBuV	Limit dBuV	Margin dBuV	Remark
1	0.175	47.88	0.03	-9.72	0.10	57.73	64.70	-8.97	QP
2	0.175	30.88	0.03	-9.72	0.10	40.73	54.70	-13.97	Average
3	0.242	41.37	0.03	-9.72	0.10	51.22	62.02	-10.80	QP
4	0.242	25.37	0.03	-9.72	0.10	35.22	52.02	-16.80	Average
5	0.293	39.16	0.03	-9.72	0.10	49.01	60.43	-11.42	QP
6	0.293	21.16	0.03	-9.72	0.10	31.01	50.43	-19.42	Average
7	0.776	34.68	0.00	-9.71	0.10	44.49	56.00	-11.51	QP
8	0.776	18.68	0.00	-9.71	0.10	28.49	46.00	-17.51	Average
9	0.954	34.29	0.04	-9.71	0.10	44.14	56.00	-11.86	QP
10	0.954	17.29	0.04	-9.71	0.10	27.14	46.00	-18.86	Average
11	1.093	33.98	0.04	-9.71	0.10	43.83	56.00	-12.17	QP
12	1.093	16.98	0.04	-9.71	0.10	26.83	46.00	-19.17	Average

Remarks: Level = Read + LISN Factor - Preamp Factor + Cable loss

13 Antenna Requirements

13.1 Limit

For intentional device, according to FCC 47 CFR Section 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. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

13.2 Result

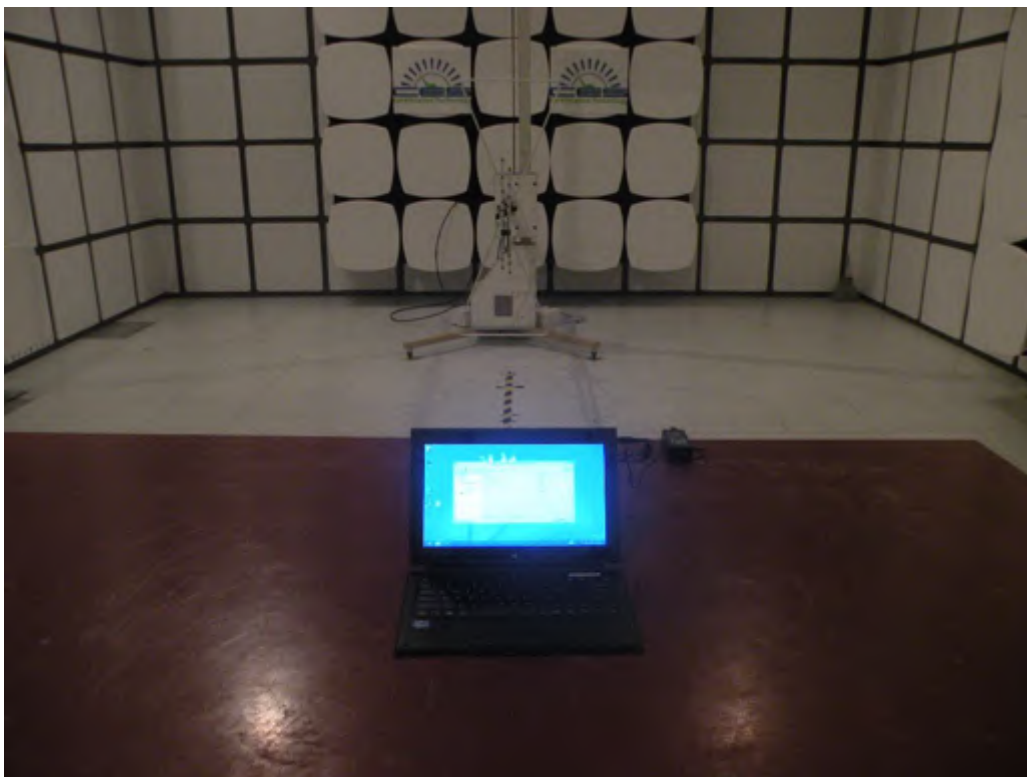
The directional gains of antenna used for transmitting is 2 dBi for port 1 and 1dBi for port 2, and the antenna connector is de-signed with permanent attachment and no consideration of replacement. Please see EUT photo for details.

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

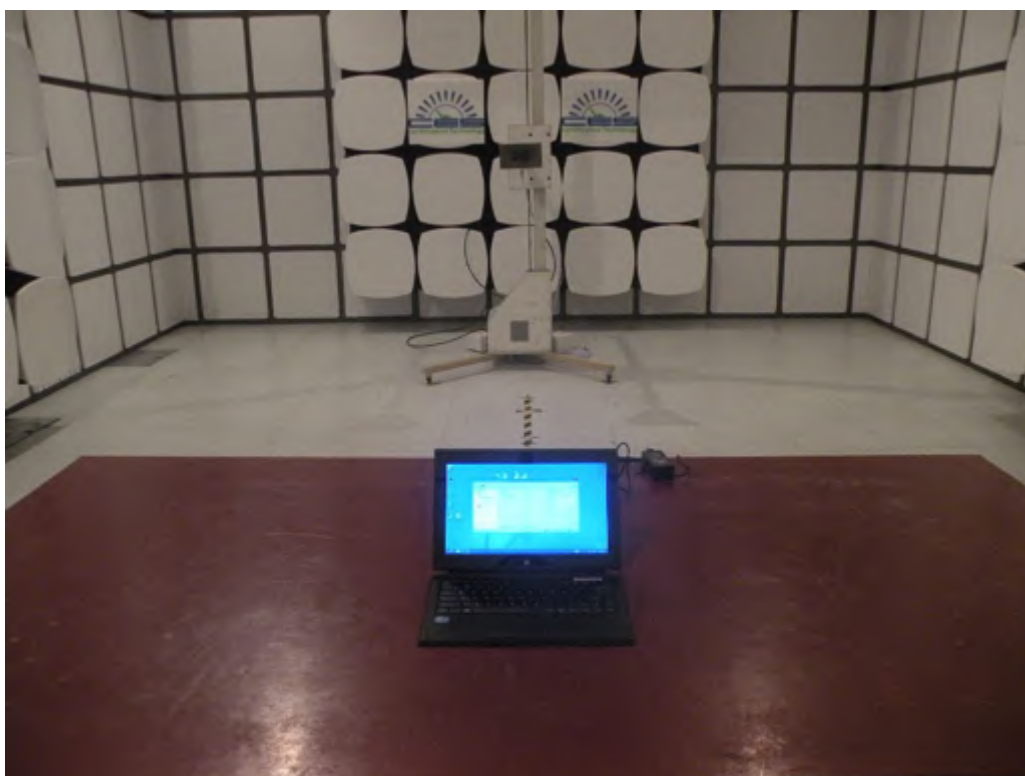
14 Testsetup photo

Photographs-Radiated Emission Test Setup in Chamber

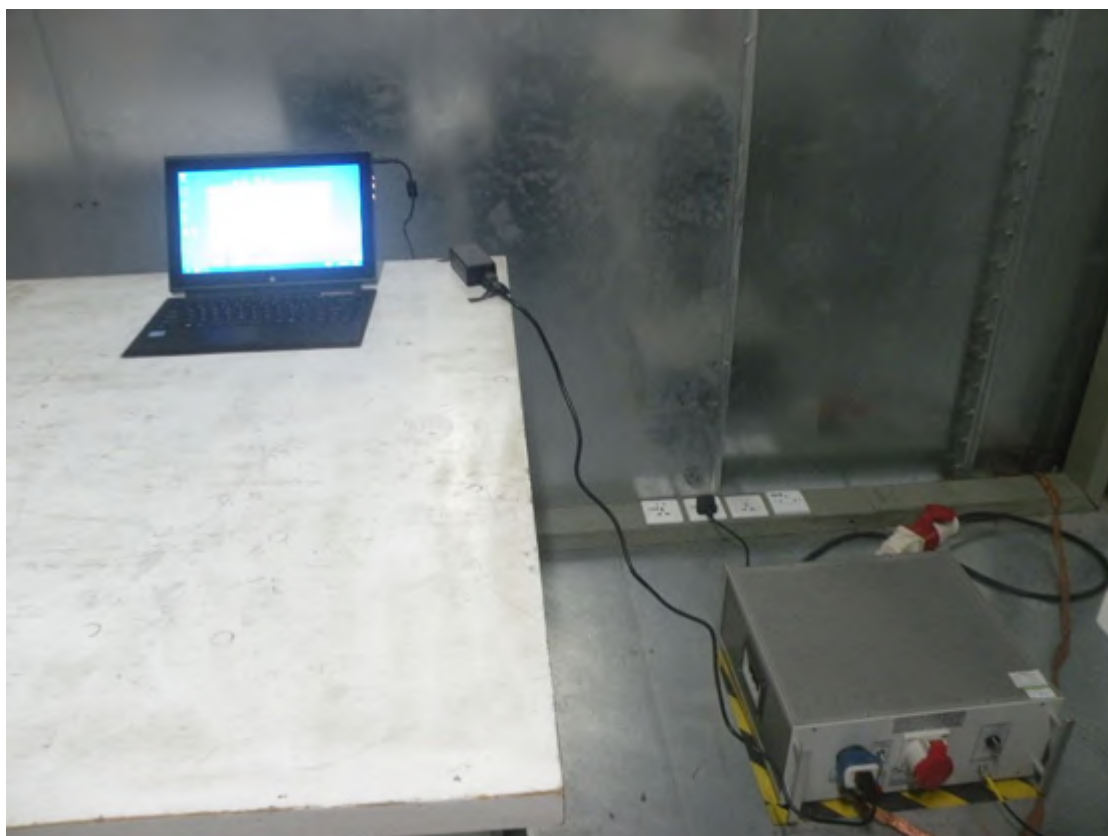
Below 1G



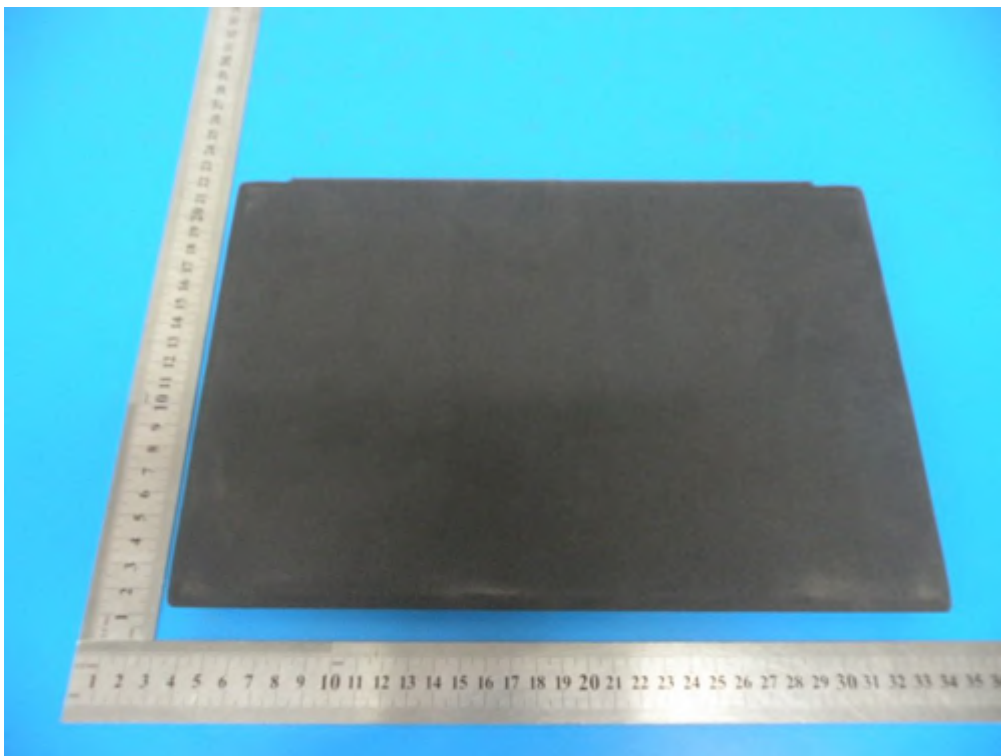
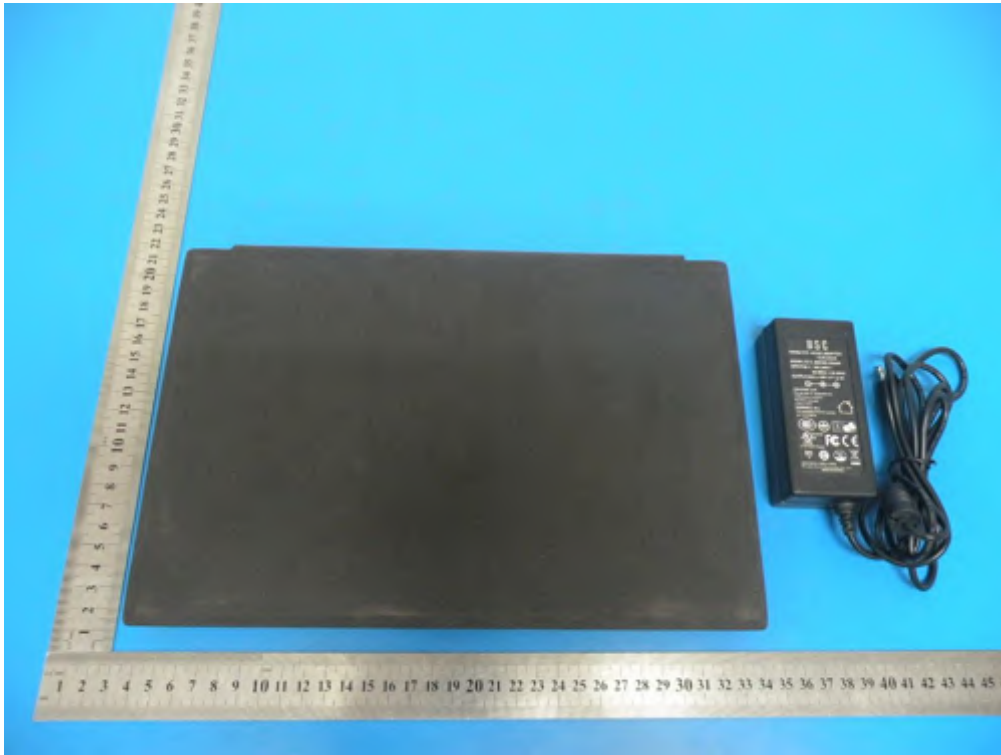
Above 1G

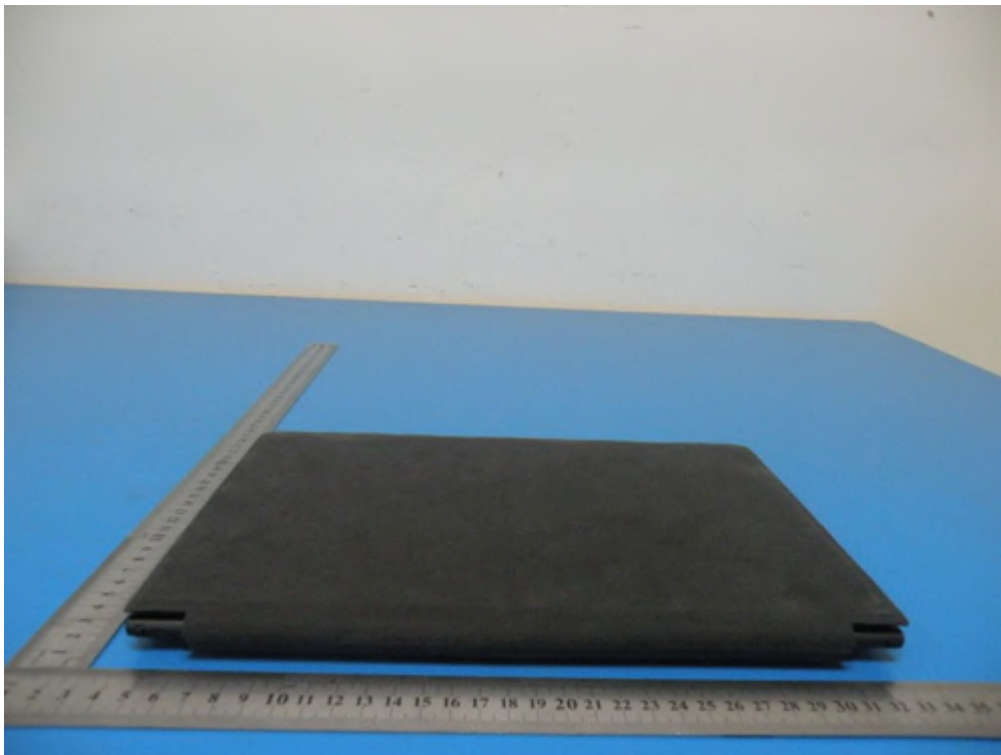


Photographs-Conducted Emission Test Setup



15 Photos of EUT



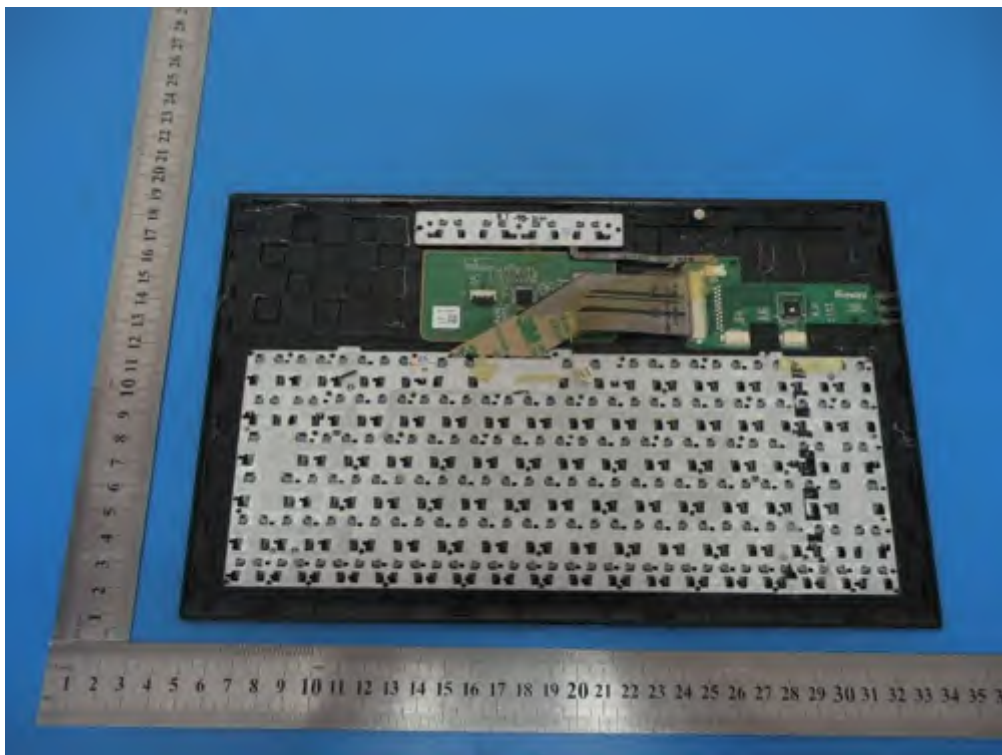
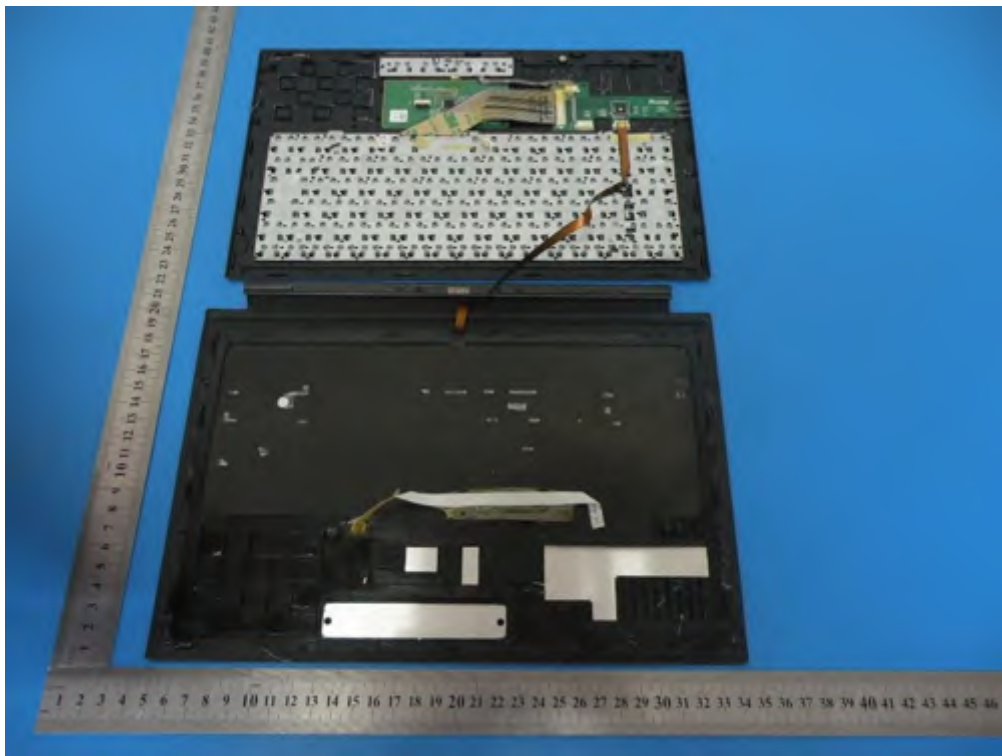






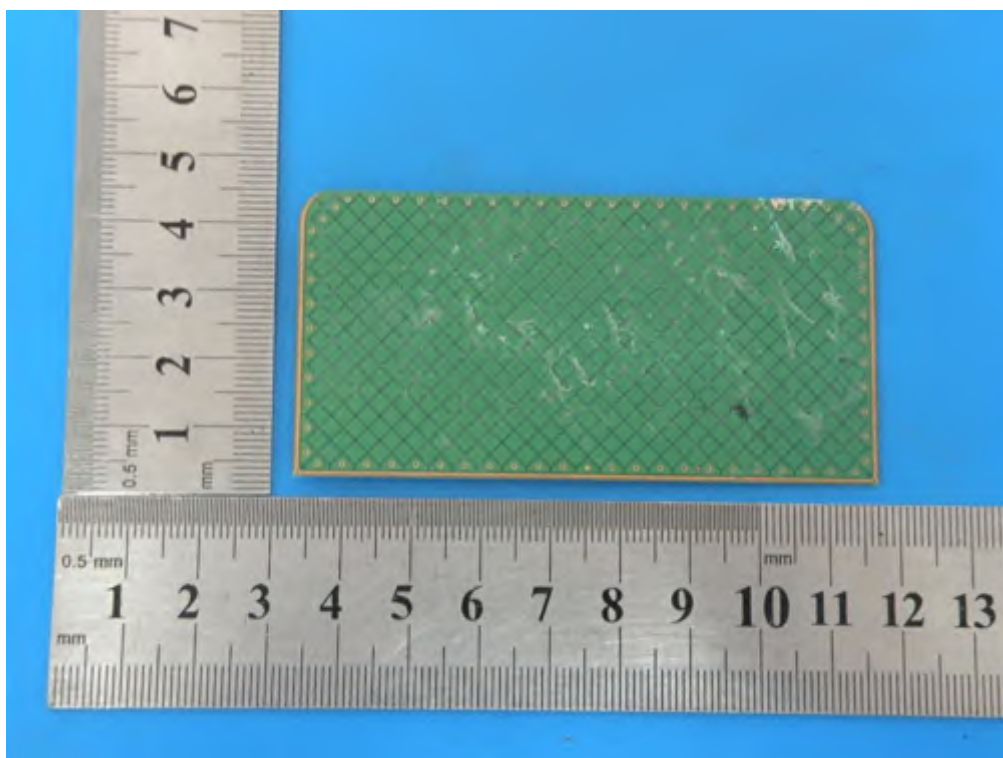
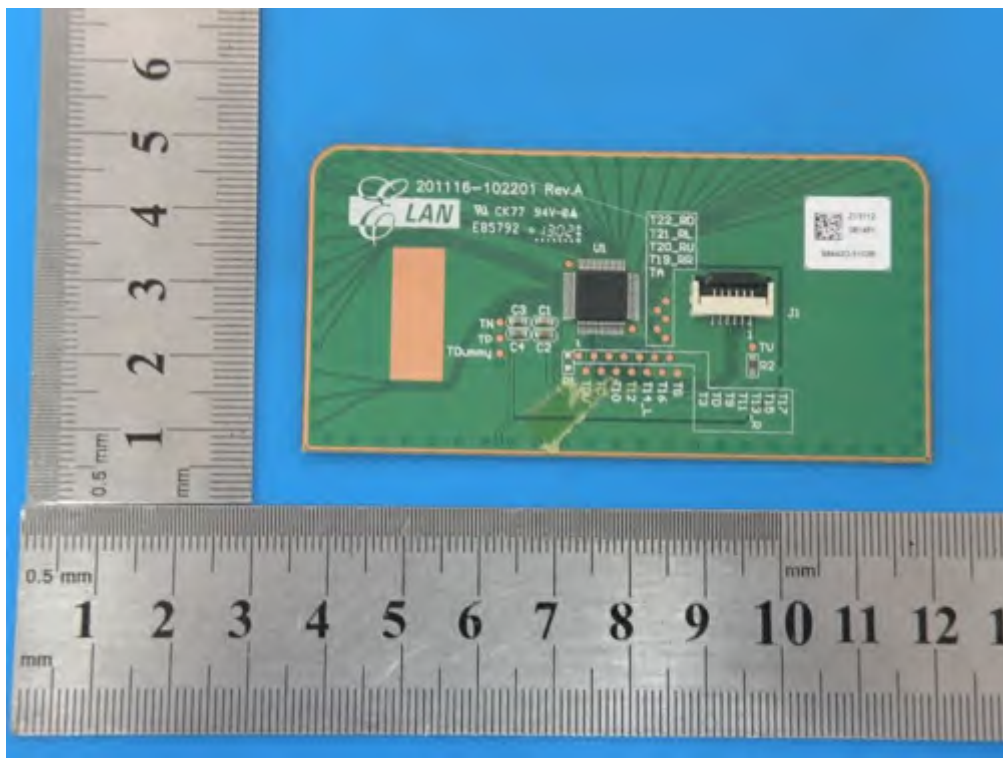


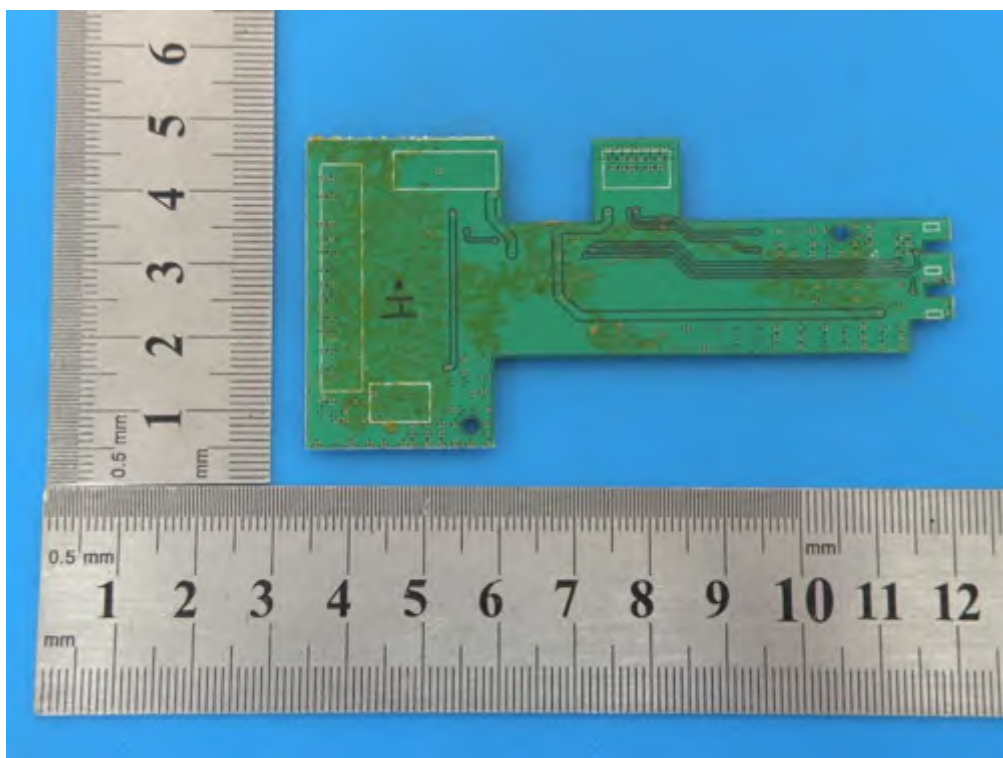
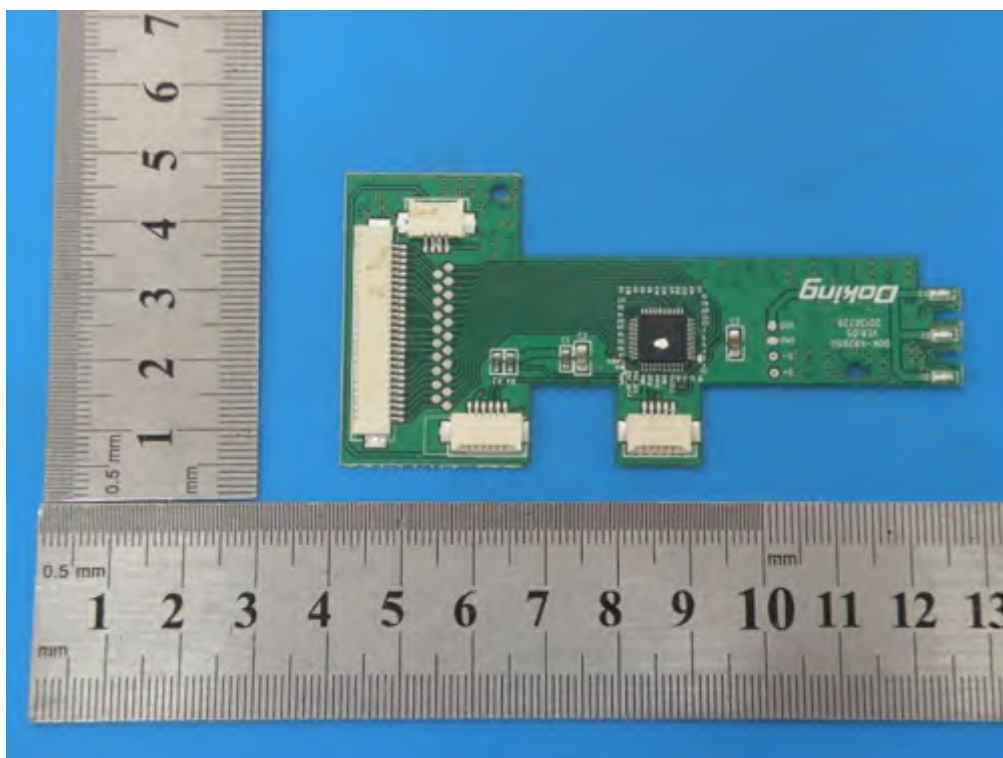


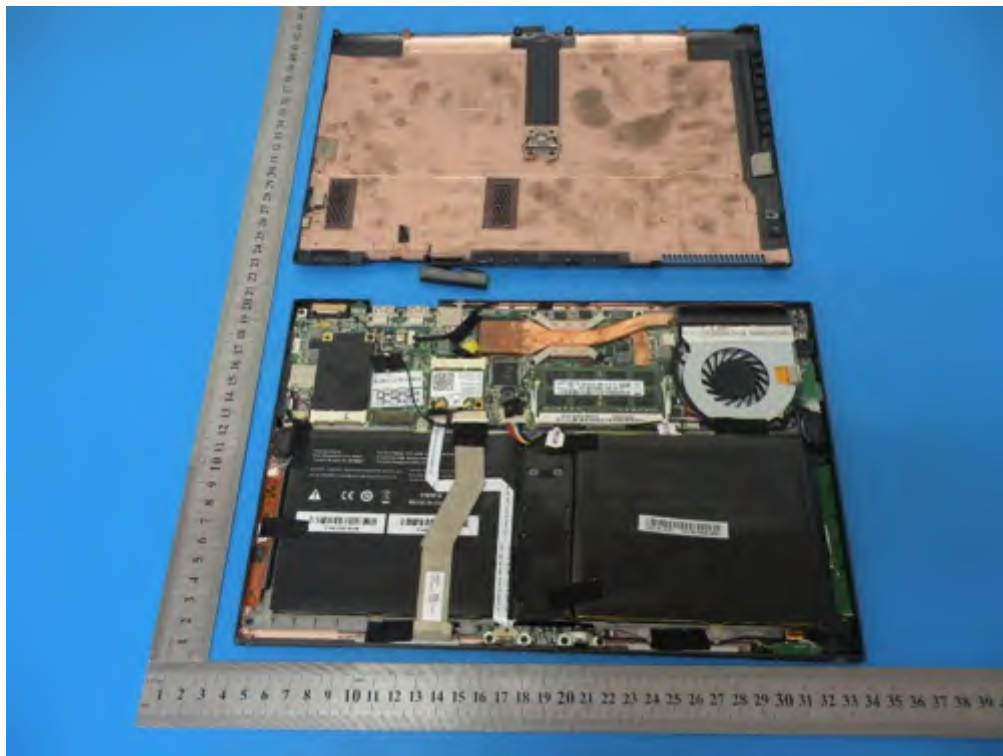


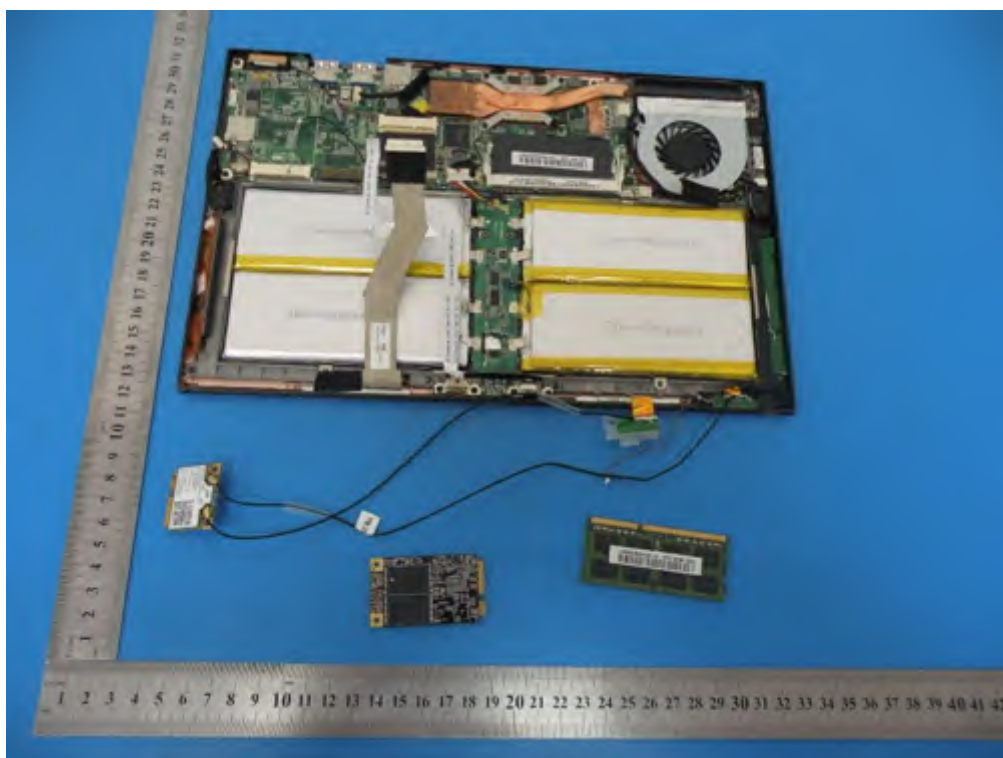






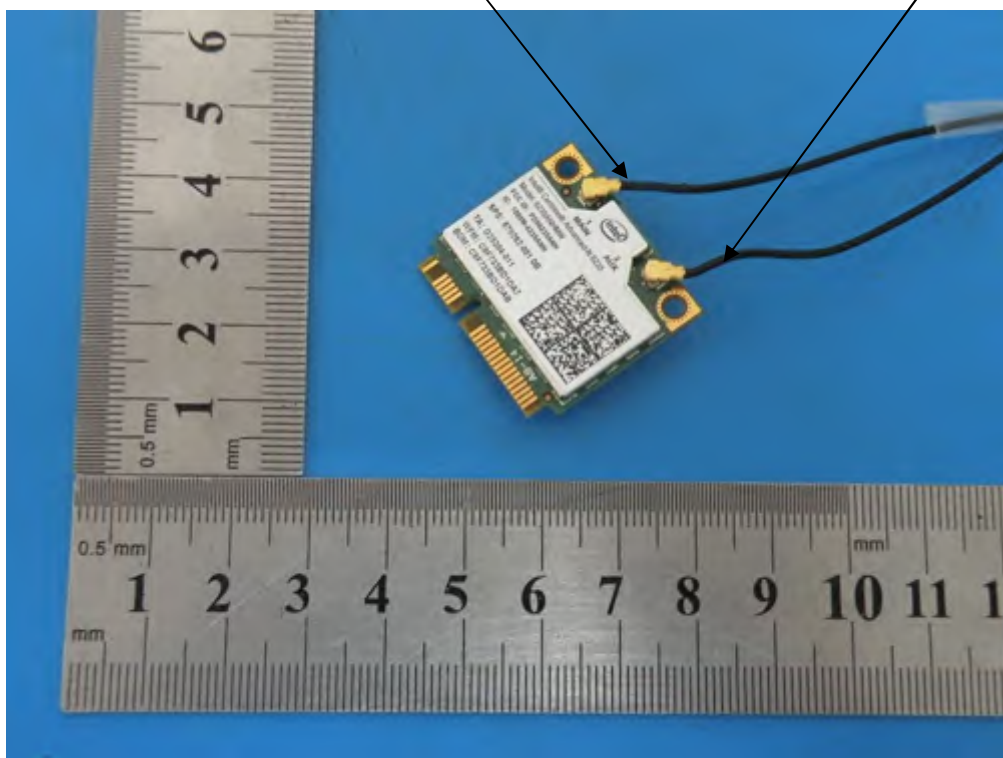


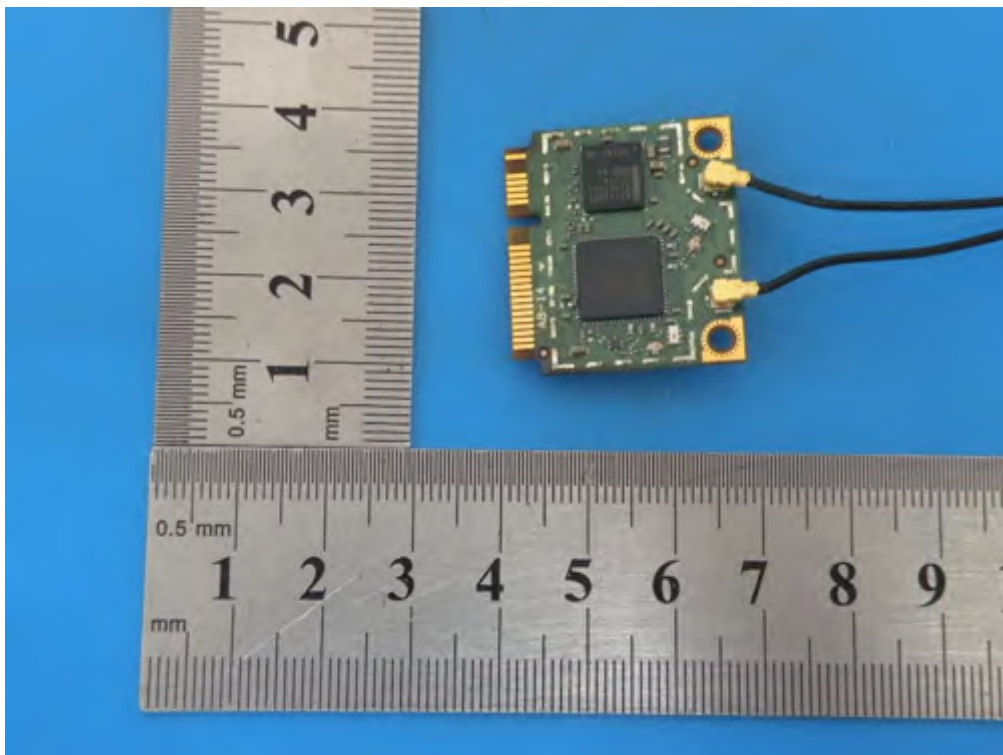
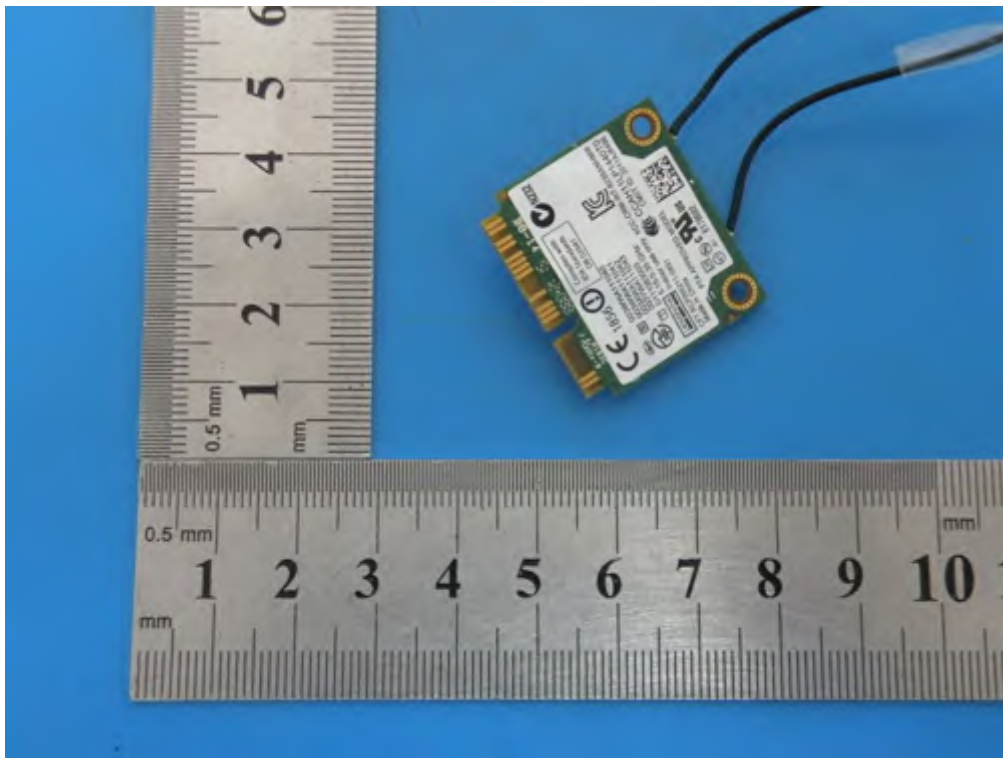


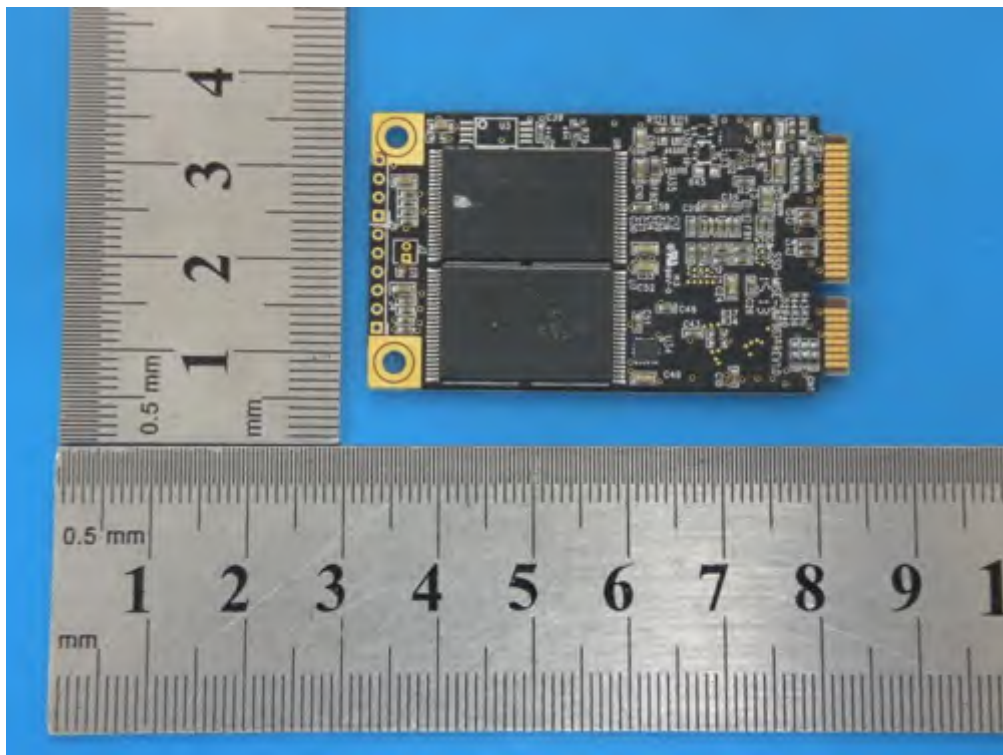
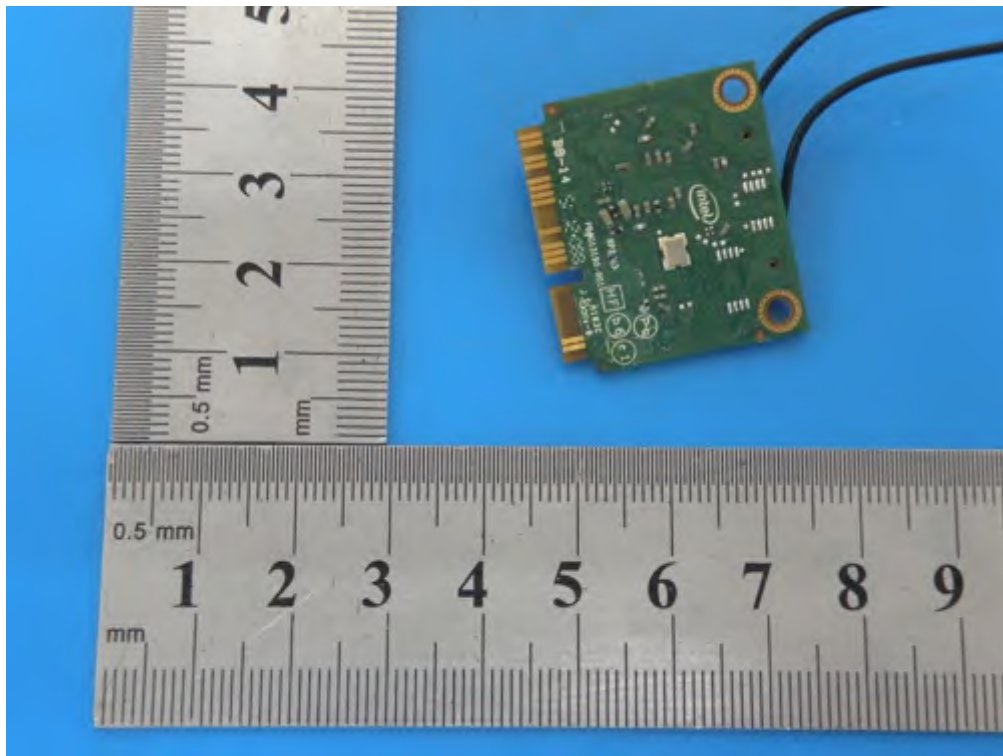


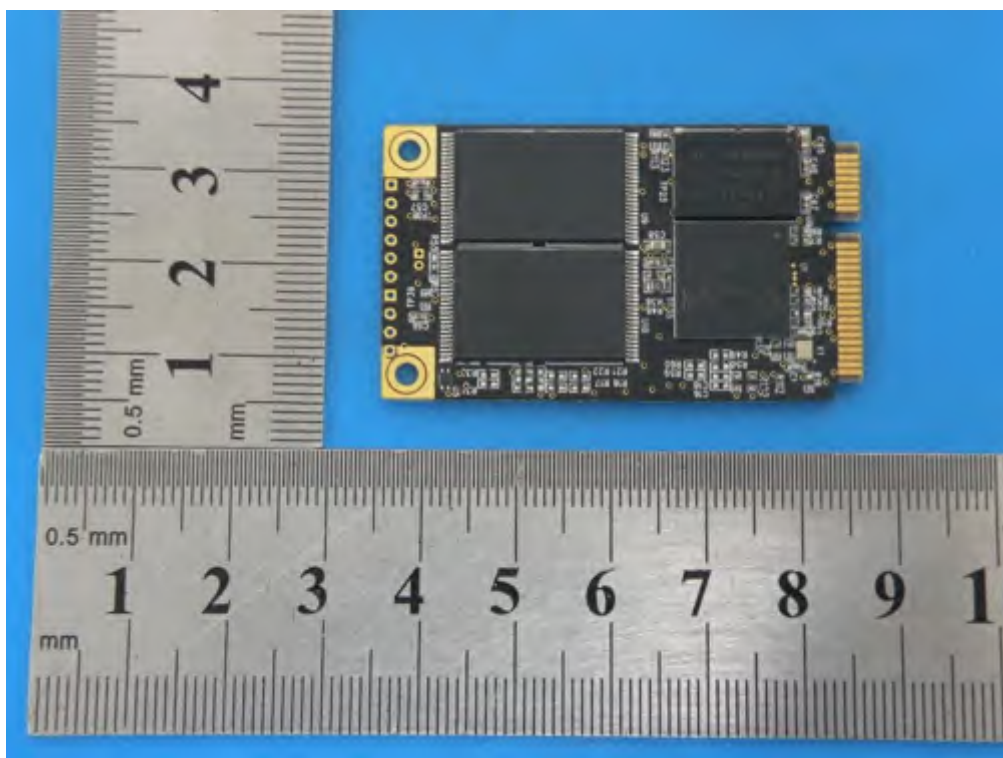
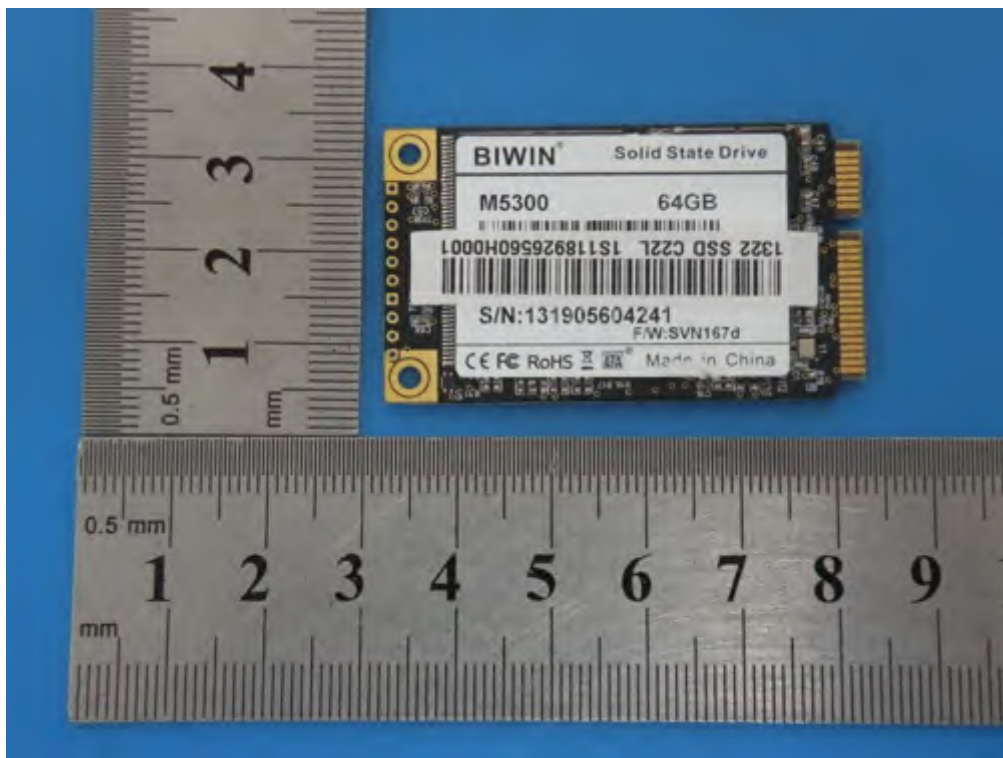
Port 1 Antenna

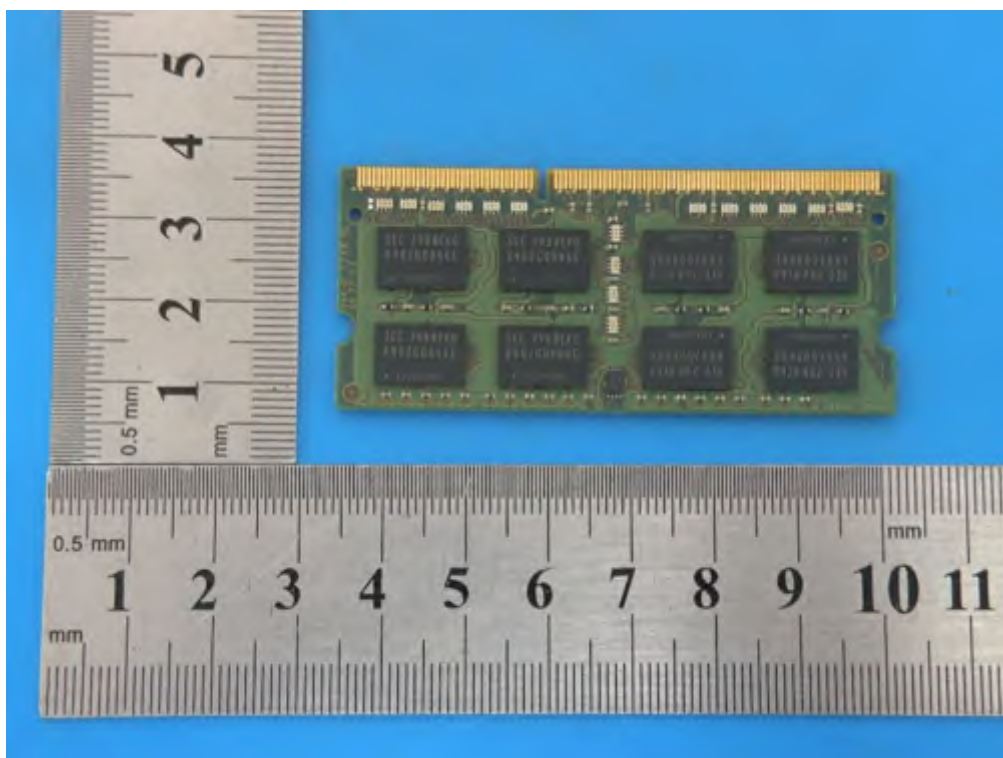
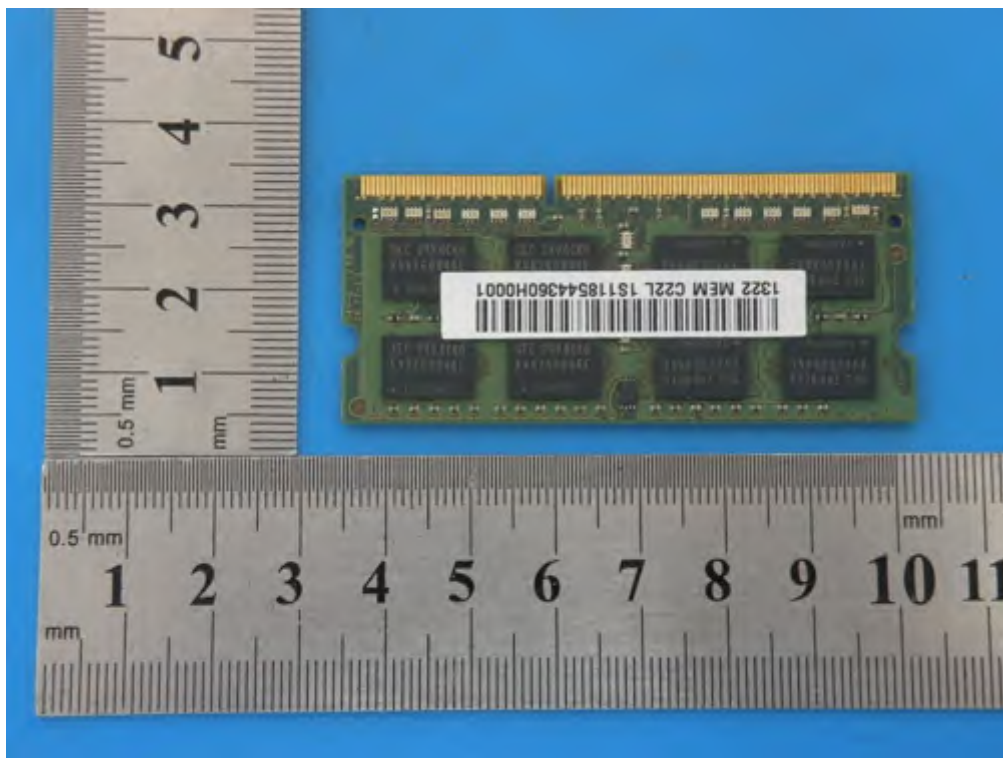
Port 2 Antenna

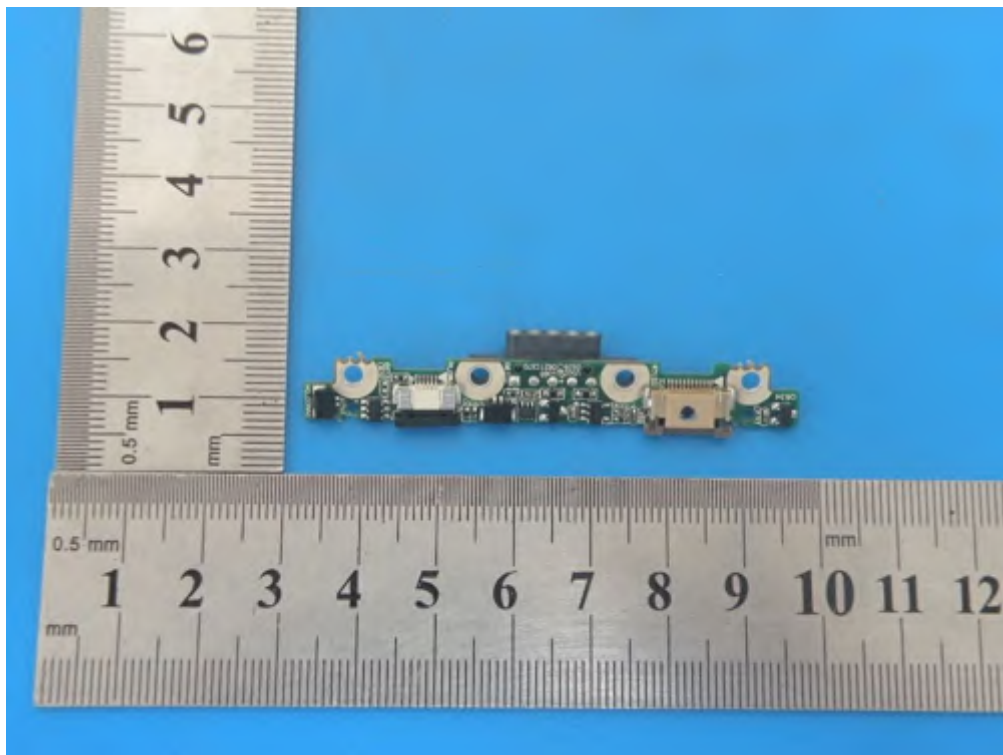
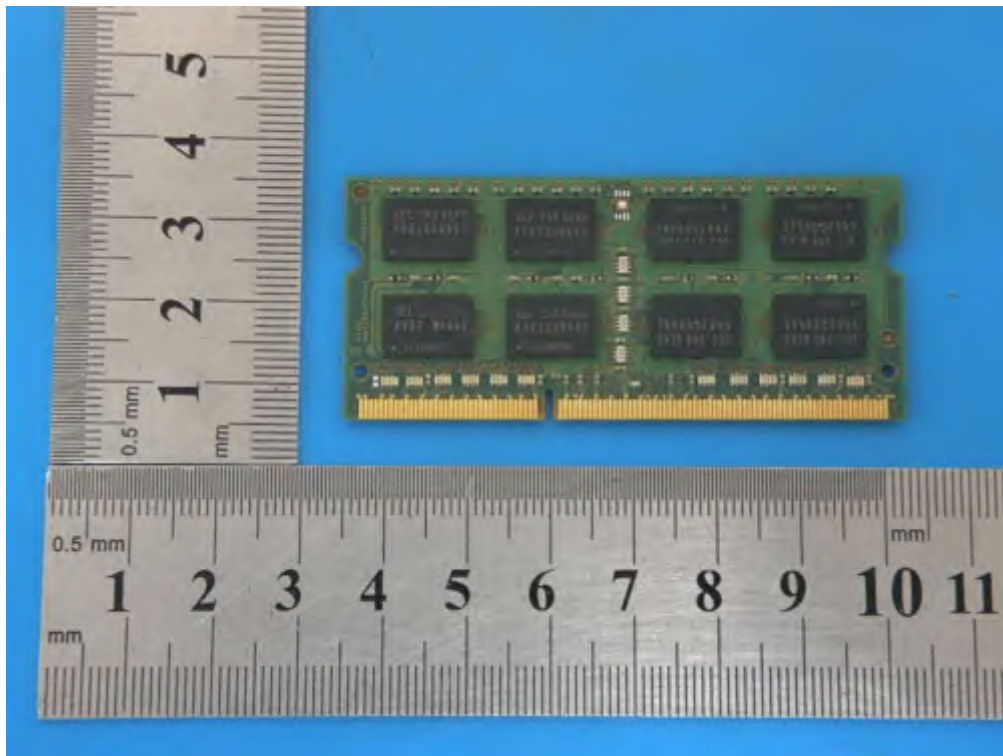


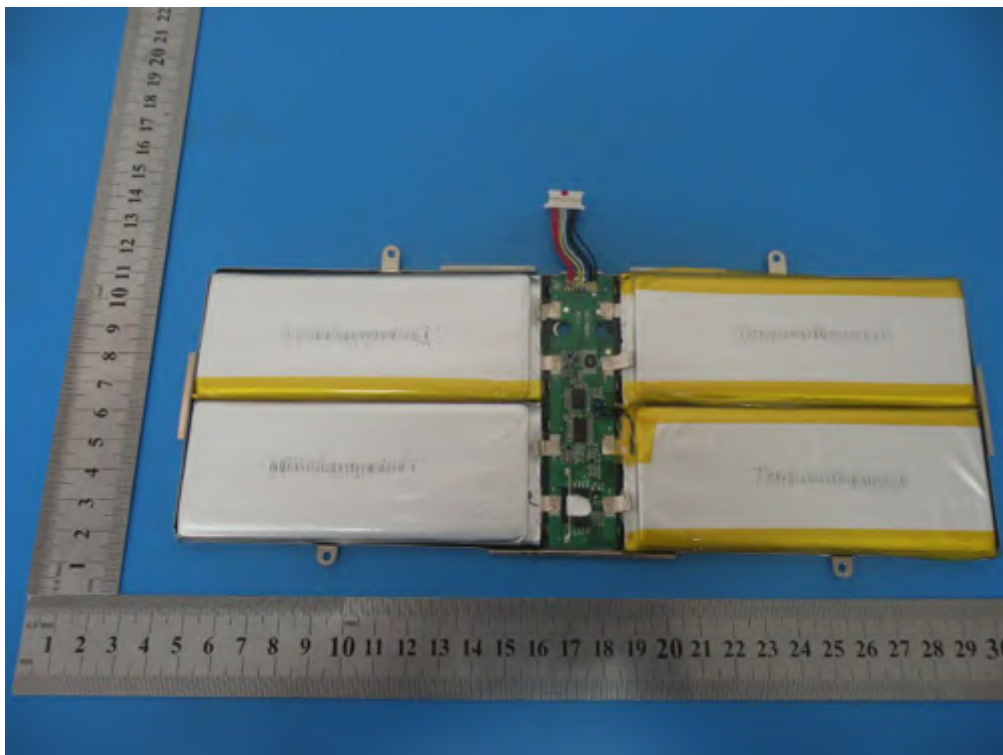
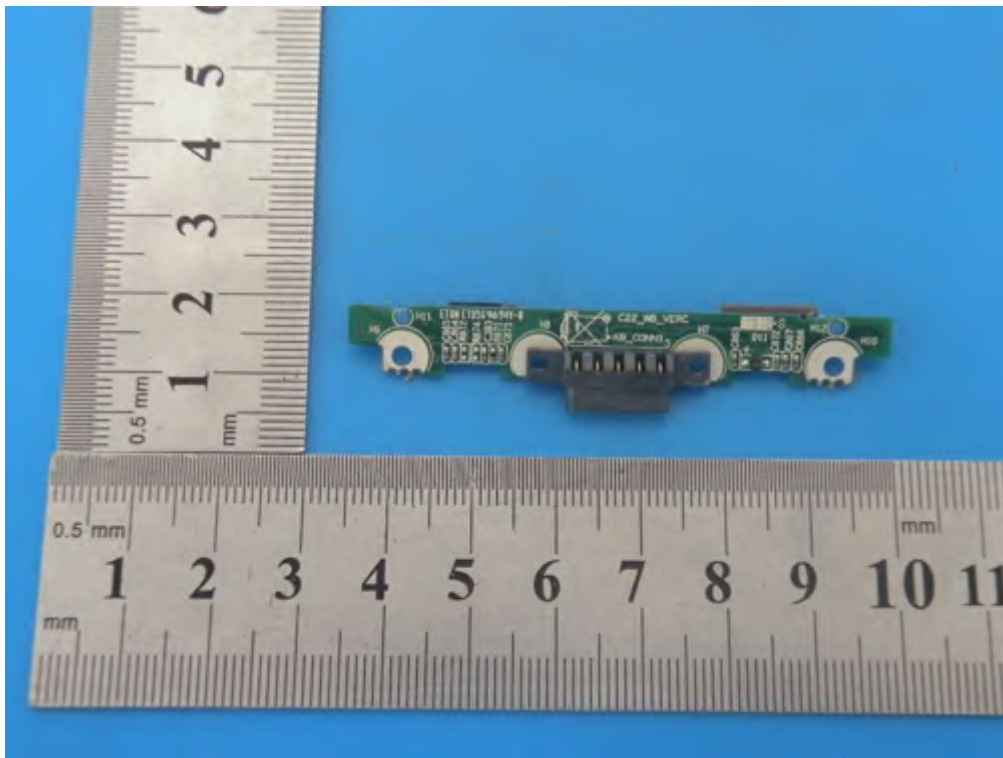


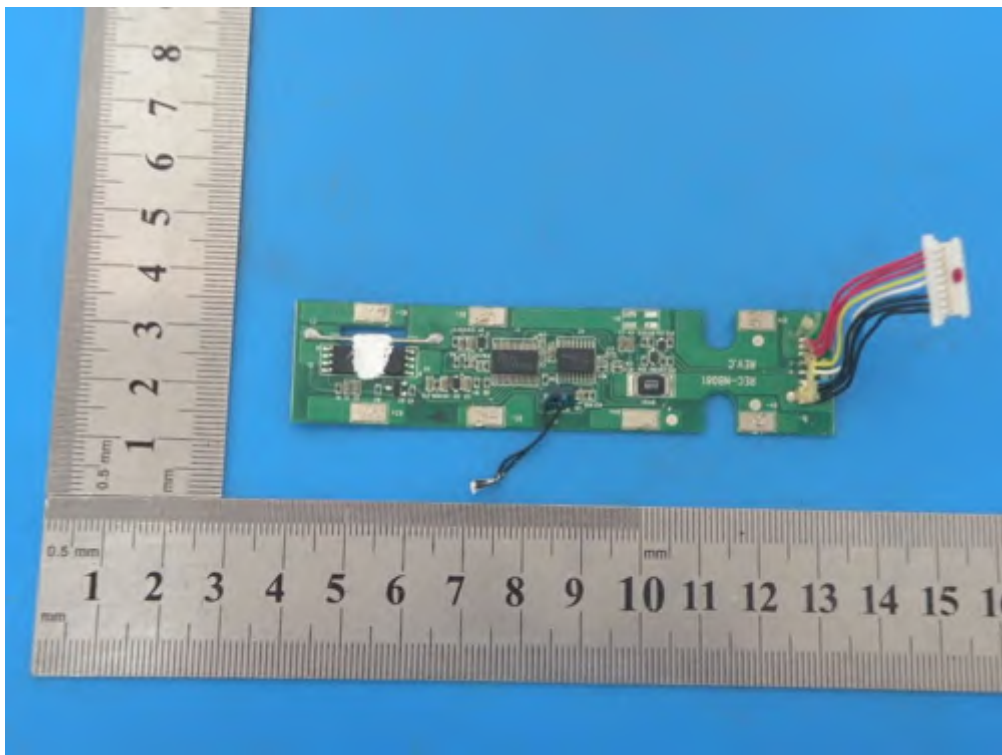
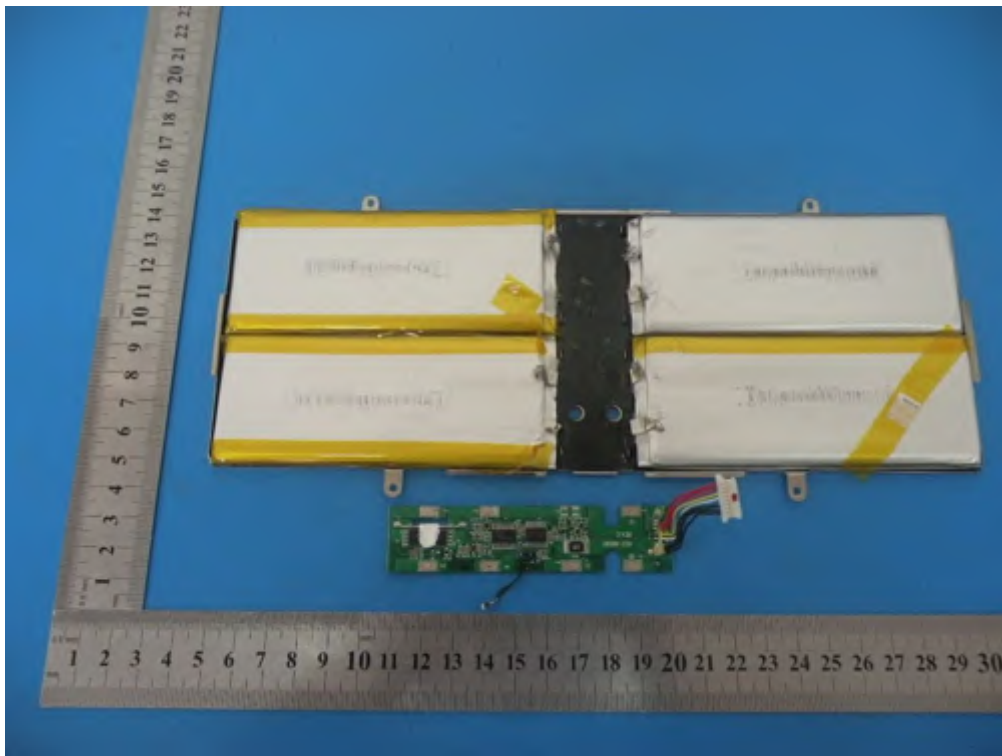


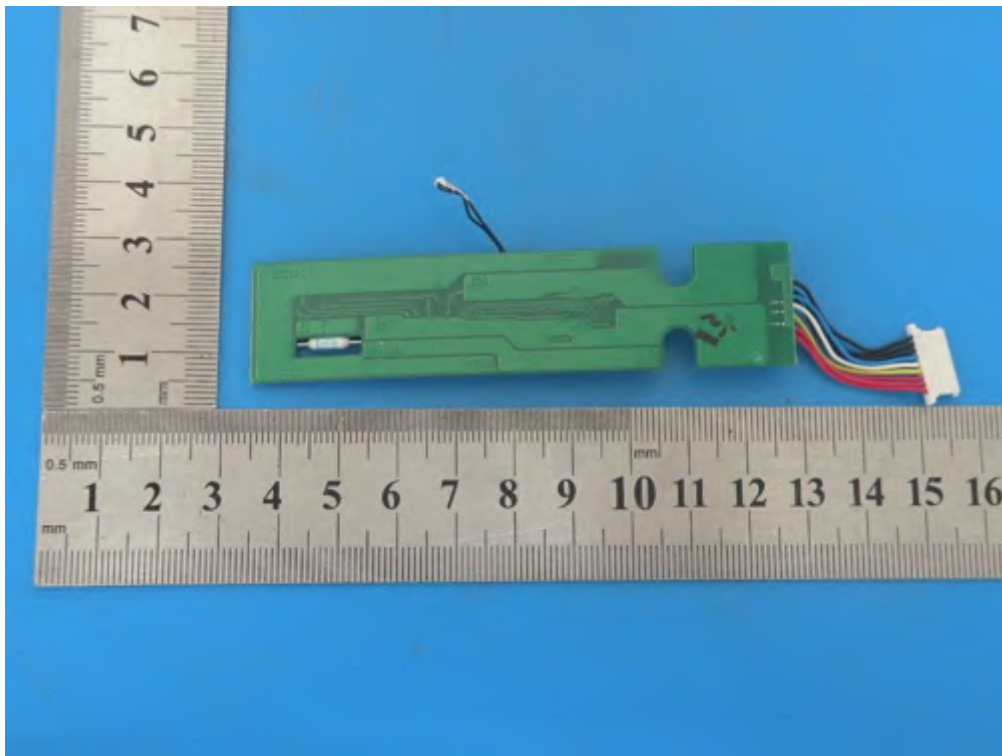


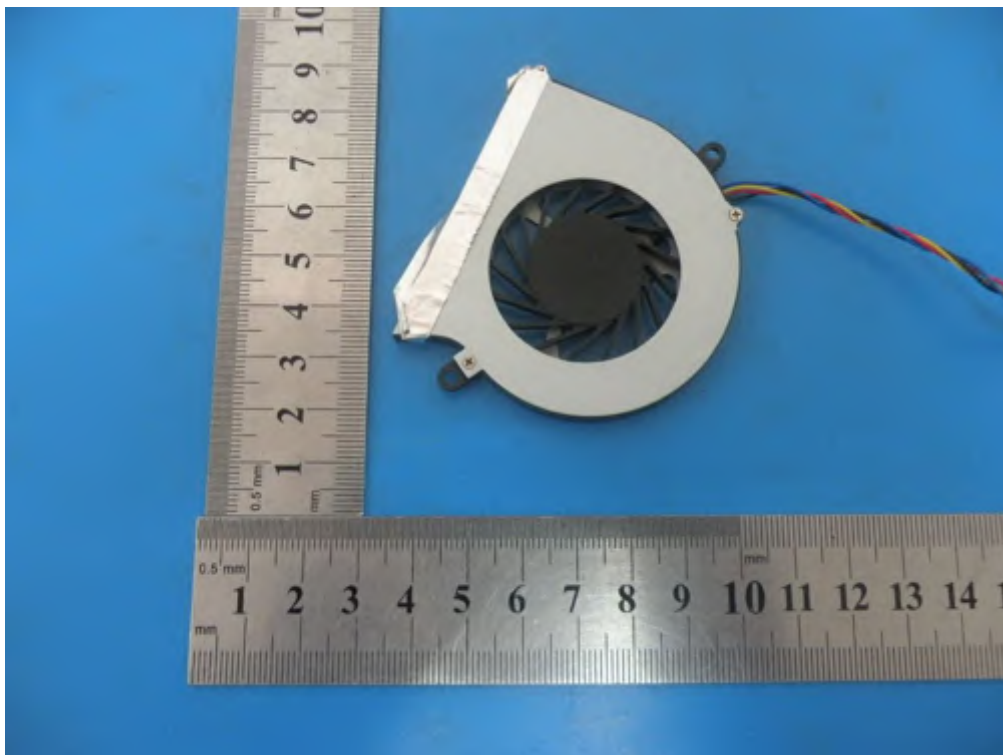
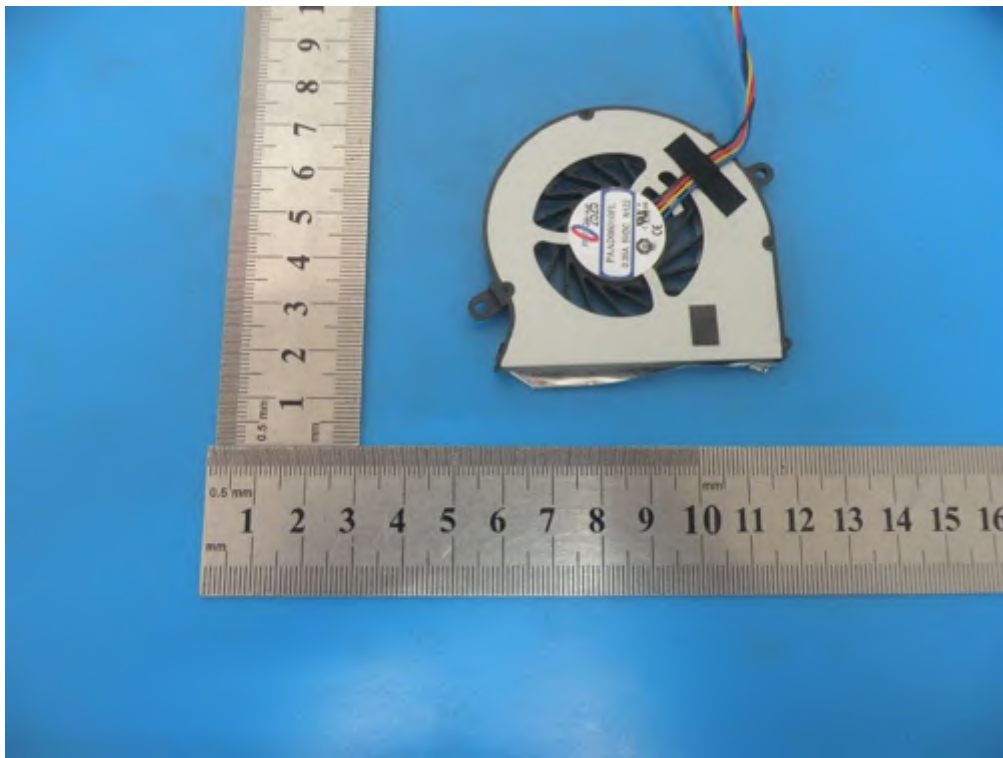


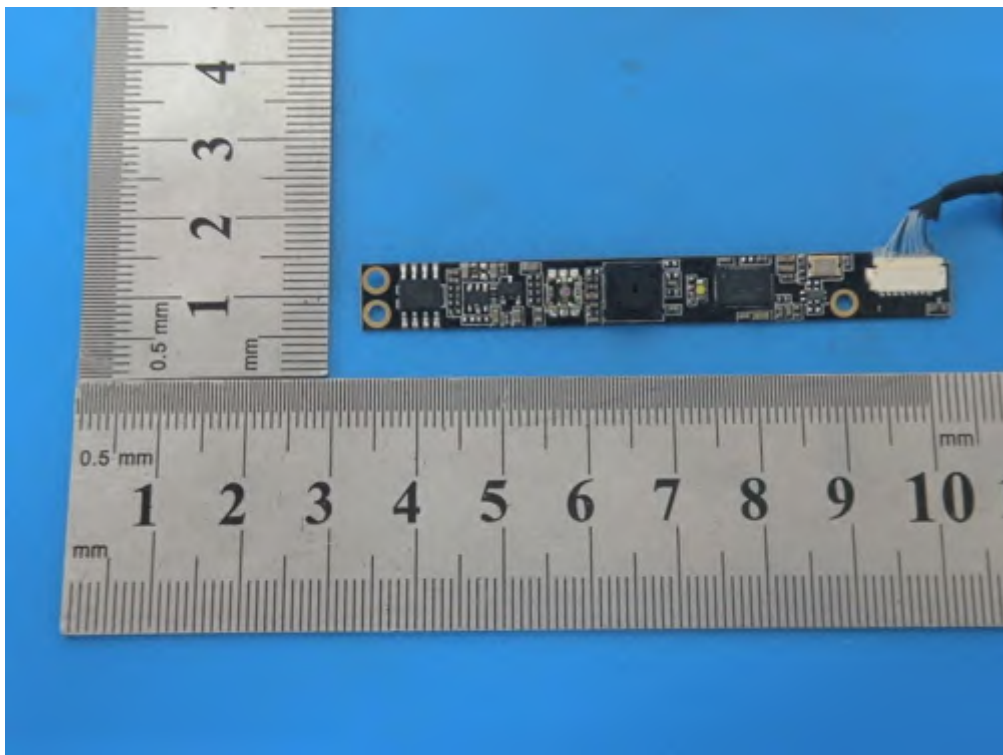


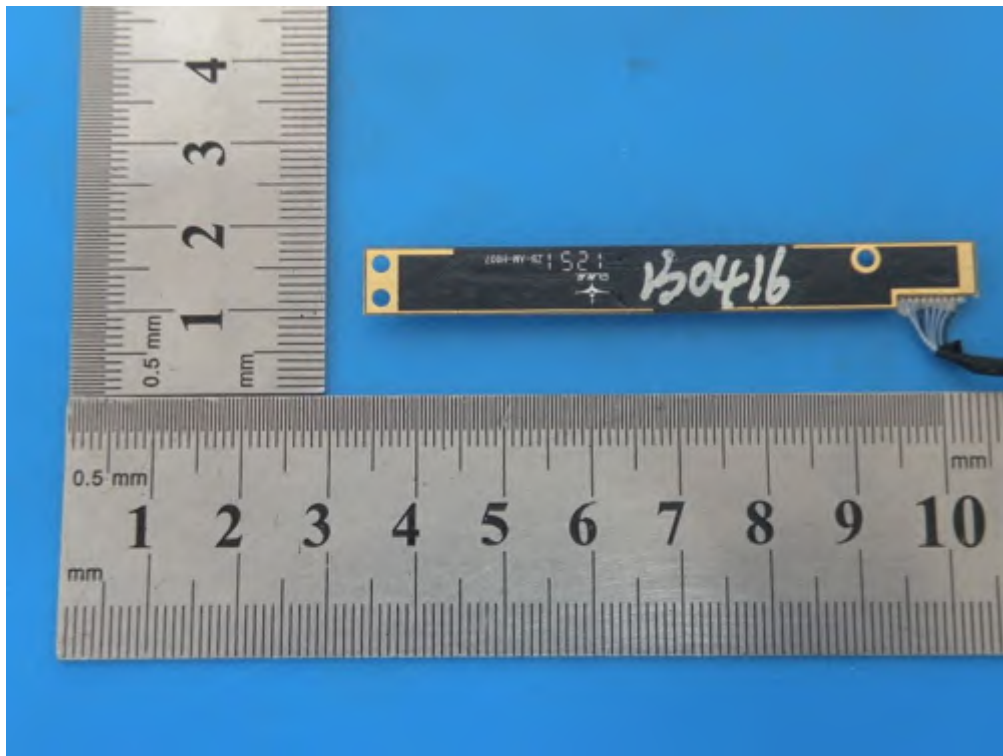




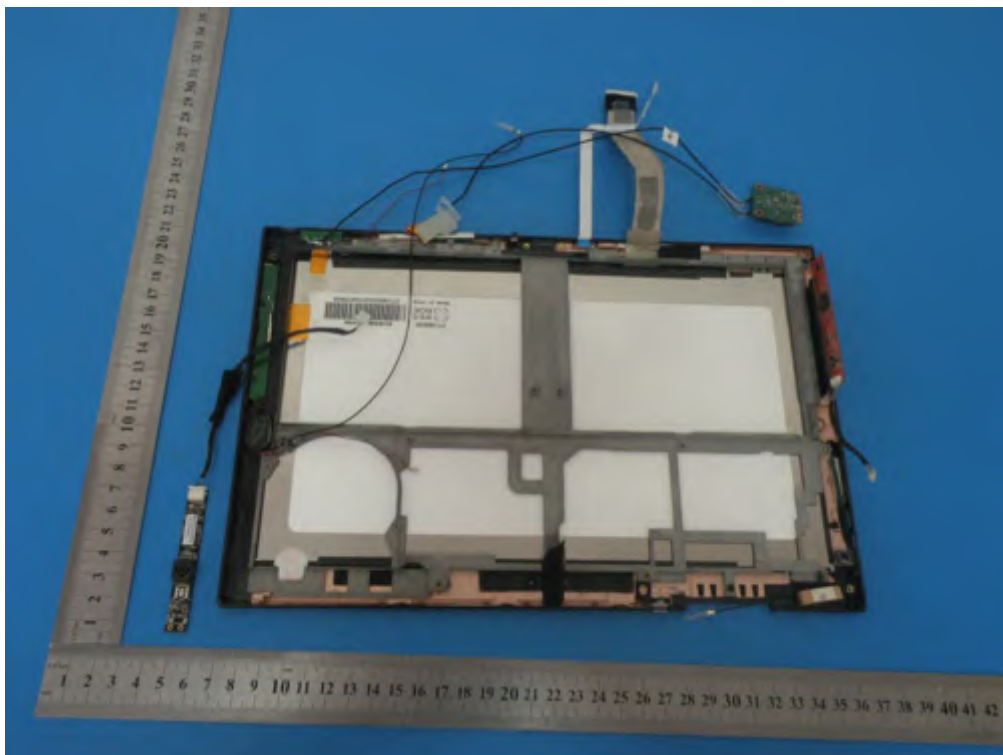


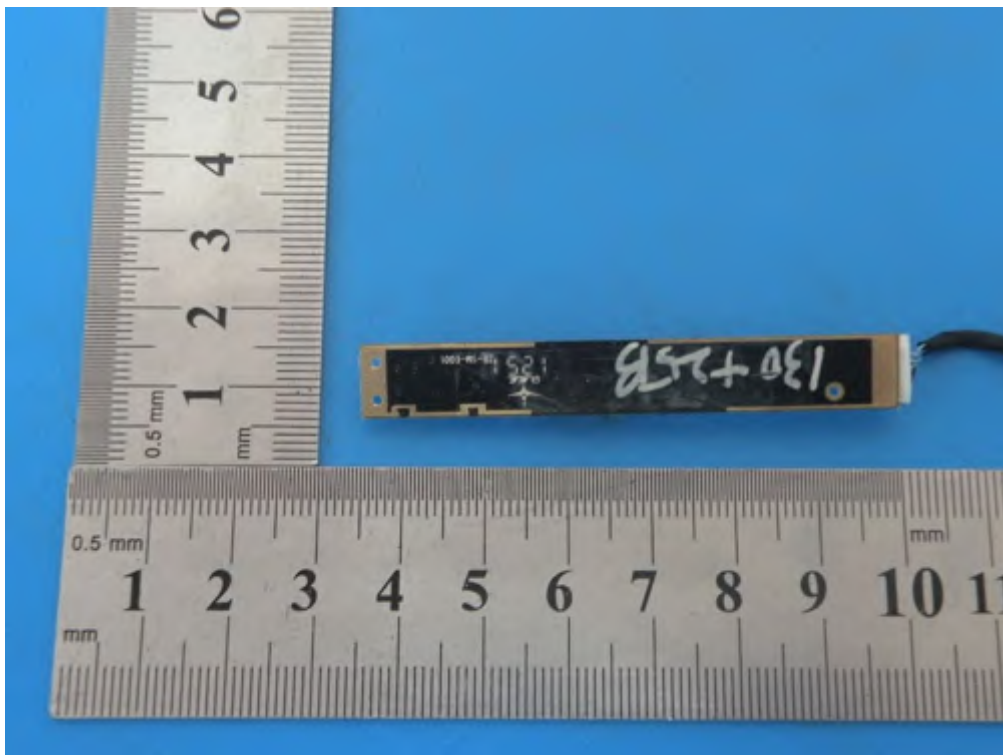
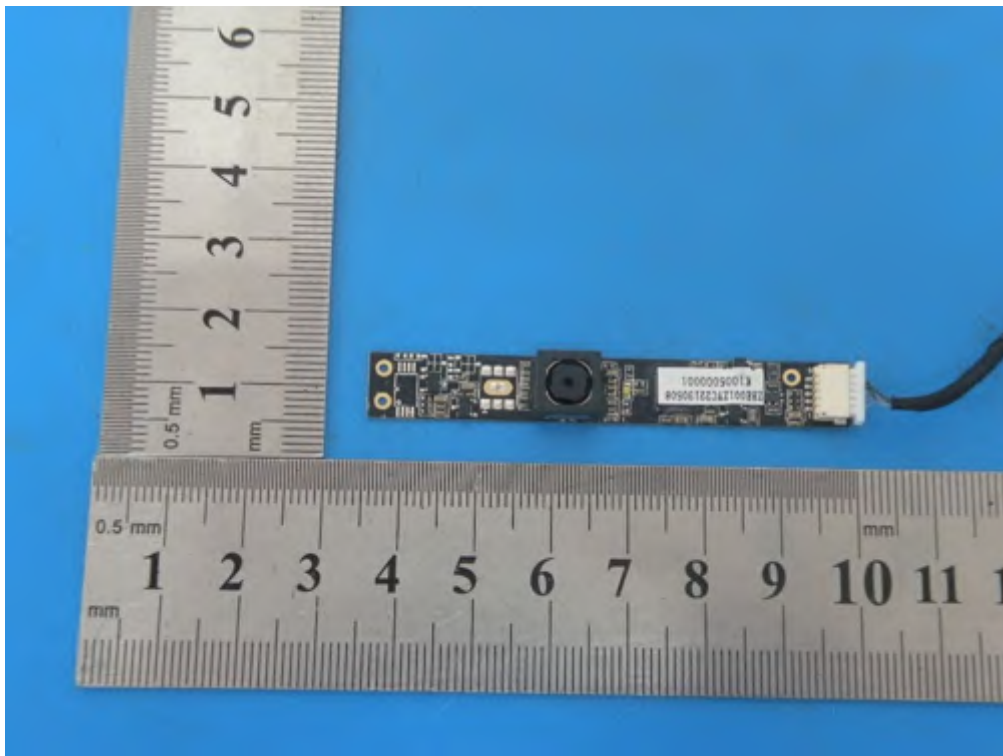


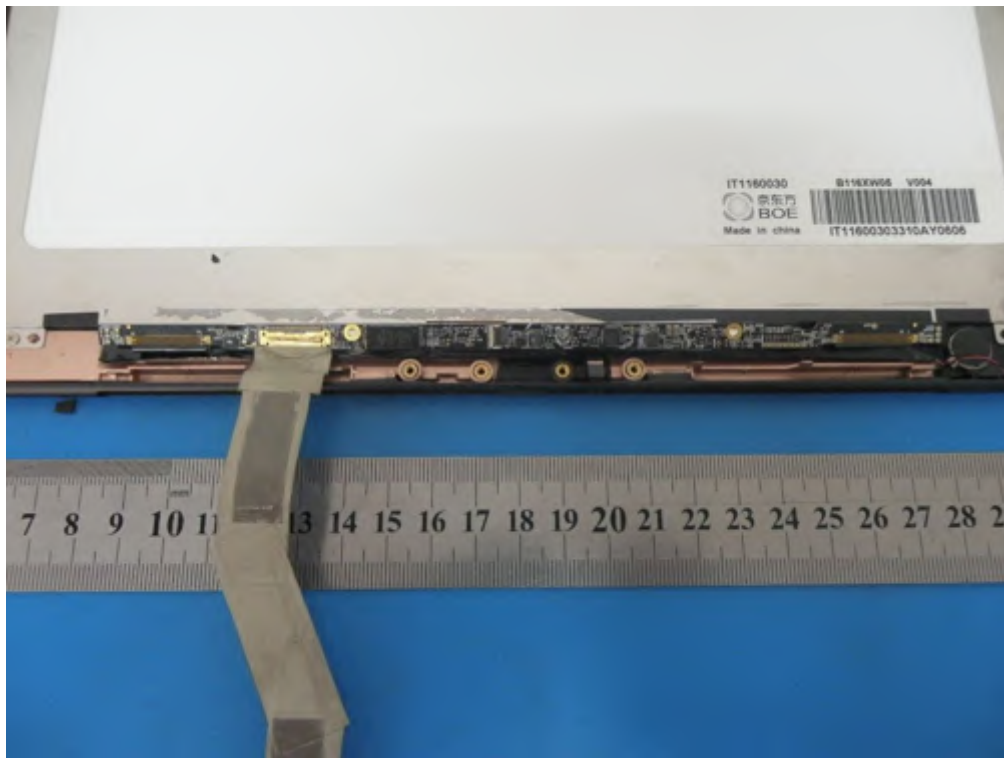


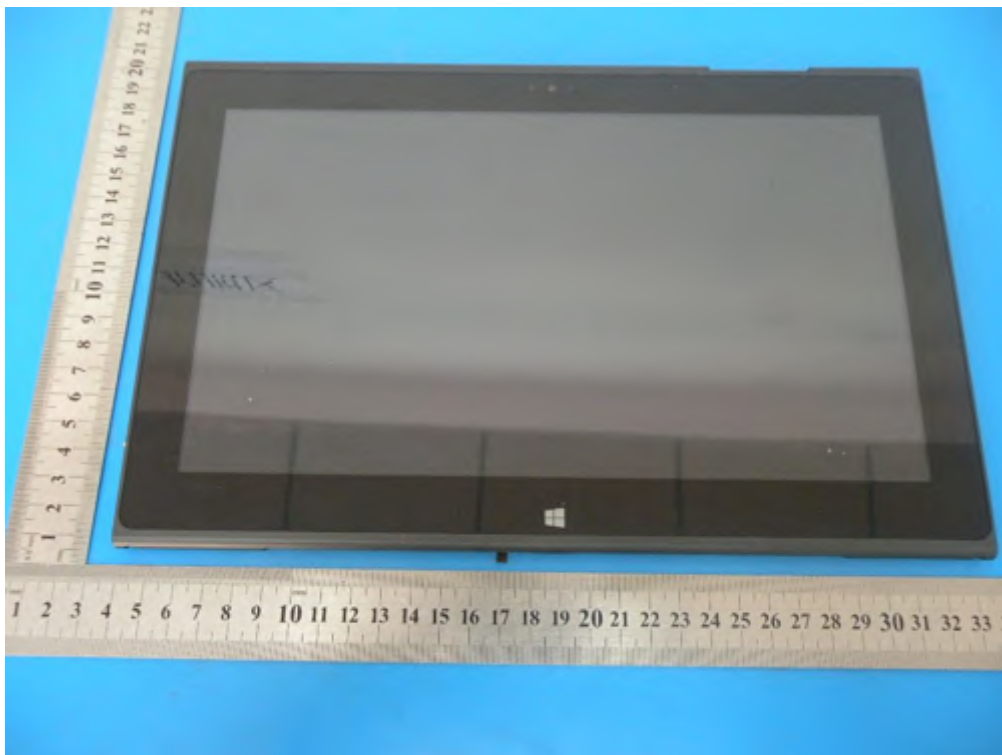












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