Certificate Number: 5055.02

TEST REPORT FOR WLAN TESTING

Report No.: SRTC2020-9004(F)-20052103(G)

Product Name: Smart IO

Product Model: IO-10MIXR-NWE

Applicant: Honeywell (Beijing) Technology Solutions Lab Co., Ltd.

Manufacturer: Honeywell (Beijing) Technology Solutions Lab Co., Ltd.

Specification: FCC Part 15, Subpart E (2019)

FCC ID: 2ARTN-00003

The State Radio_monitoring_center Testing Center (SRTC)

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1 GENERAL INFORMATION

1.1 Notes of the test report

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1.2 Information about the testing laboratory

Company:	The State Radio_monitoring_center Testing Center (SRTC)
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Country or Region:	China
Contacted person:	Zhang John
Tel:	010 56696736
Fax:	---
Email:	John.Zhang@Honeywell.com

1.5 Test Environment

Date of Receipt of test sample at SRTC:	2020-05-21
Testing Start Date:	2020-05-21
Testing End Date:	2020-07-29

Environmental Data:	Temperature (°C)	Humidity (%)
Ambient	25	30
Maximum Extreme	55	---
Minimum Extreme	-10	---

Normal Supply Voltage (V d.c.):	24.0
Maximum Extreme Supply Voltage (V d.c.):	29.0
Minimum Extreme Supply Voltage (V d.c.):	19.0

2 DESCRIPTION OF THE DEVICE UNDER TEST

2.1 Final Equipment Build Status

Frequency Band(s)	U-NII-1:5150MHz-5250MHz U-NII-2A:5250MHz-5350MHz U-NII-2C:5470MHz-5725MHz U-NII-3:5725MHz-5850MHz
DFS	Client Without Radar Detection
Modulation Type	802.11a 802.11n (HT20/HT40) 802.11ac (VHT20/VHT40/VHT80)
Power Supply	Charger or DC Power Supply
Hardware Version	100
Software Version	1.0.0.0
Original Sample	Sample 8#
Variant Sample	IO Sample 2#
Antenna type	Refer to Note
Antenna connector	Refer to Note

Note: EUT shares the same RF chip with the certified device (FCC ID: 2ARTN-00001), and it verified that no hardware or software changed on RF chip. Thus, we re-use all results for conducted signal test, see report No.: SRTC2018-9004(F)-18102401(G).

Note: Antenna requirement (FCC part 15.203)

Professional installed device, only the approved antenna by the manufacturer permitted to be used.

Note: The antenna provides to the EUT, please refer to the following table:

SN	Model	Antenna gain(dBi)	Frequency range (GHz)	Antenna type	Connecter Type
Ant1	N/A	4.40	5.150GHz~5.250GHz	Fixed External Antenna	N/A
Ant1	N/A	6.00	5.250GHz~5.350GHz	Fixed External Antenna	N/A
Ant1	N/A	5.50	5.470GHz~5.725GHz	Fixed External Antenna	N/A
Ant1	N/A	3.60	5.725GHz~5.850GHz	Fixed External Antenna	N/A
Ant2	N/A	0.85	5.150GHz~5.250GHz	Fixed External Antenna	N/A
Ant2	N/A	1.38	5.250GHz~5.350GHz	Fixed External Antenna	N/A
Ant2	N/A	0.59	5.470GHz~5.725GHz	Fixed External Antenna	N/A
Ant2	N/A	1.19	5.725GHz~5.850GHz	Fixed External Antenna	N/A
Ant3	N/A	1.17	5.150GHz~5.250GHz	Fixed External Antenna	N/A
Ant3	N/A	-0.04	5.250GHz~5.350GHz	Fixed External Antenna	N/A
Ant3	N/A	-1.11	5.470GHz~5.725GHz	Fixed External Antenna	N/A
Ant3	N/A	-0.97	5.725GHz~5.850GHz	Fixed External Antenna	N/A
All antennas considered during Test, only worst-case results reported.					

2.2 Wireless Technology and Frequency Range

Wireless Technology		Bandwidth	Channel	Frequency(MHz)
Wi-Fi	U-NII-1	20MHz	36	5180
			40	5200
			44	5220
			48	5240
		40MHz	38	5190
			46	5230
		80MHz	42	5210
	U-NII-2A	20MHz	52	5260
			56	5280
			60	5300
			64	5320
		40MHz	54	5270
			62	5310
		80MHz	58	5290
	U-NII-2C	20MHz	100	5500
			104	5520
			108	5540
			112	5560
			116	5580
			120	5600
			124	5620
			128	5640
			132	5660
			136	5680
			140	5700
		40MHz	102	5510
			110	5550
			118	5590
			126	5630
			134	5670
		80MHz	106	5530
			122	5610
	U-NII-3	20MHz	149	5745
			153	5765
			157	5785
			161	5805

			165	5825
		40MHz	151	5755
			159	5795
		80MHz	155	5775

2.3 Support Equipment

The following support equipment was used to exercise the DUT during testing:
NA

2.4 Note

Automatically Discontinue Transmission	
Description	The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signaling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization to describe how this requirement is met.
Result	While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving. The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.

3 REFERENCE SPECIFICATION

Specification	Version	Title
FCC part 15 Subpart E	2019	Unlicensed national information infrastructure devices
ANSI C63.10	2013	Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices
KDB 644545 D03	August 14, 2014	Guidance for IEEE std 802.11actm devices emission testing
KDB 905462 D03	August 22, 2016	U-NII client devices without radar detection capability
KDB 905462 D02	April 8, 2016	Compliance measurement procedures for unlicensed-national information infrastructure devices operating in the 5250-5350 MHz and 5470-5725 MHz bands incorporating dynamic frequency selection
KDB 662911 D01	October 31, 2013	Emissions testing of transmitters with multiple outputs in the same band
KDB 789033 D02	December 14, 2017	Guidelines for compliance testing of unlicensed national information infrastructure (U-NII) devices part 15, subpart e

4 KEY TO NOTES AND RESULT CODES

The following are the definition of the test result.

Code	Meaning
PASS	Test result shows that the requirements of the relevant specification have been met.
FAIL	Test result shows that the requirements of the relevant specification have not been met.
NT	Normal Temperature
NV	Nominal voltage
HV	High voltage
LV	Low voltage

5. RESULT SUMMARY

No.	Test case	FCC reference	Verdict
1.	Maximum Conducted Output Power	15.407 (a.1.iv),(a.2), (a.3)	Pass
2.	Unwanted Radiated Emission Measurement	15.205 15.209 15.35(b)	Pass
3.	AC Power line Conducted Emission	15.207	Pass
4.	Antenna Requirements	15.407(a) &15.203	Pass (See 2.4Note)

This Test Report Is Issued by: Mr. Peng Zhen	Checked by: Mr. Li Bin
Tested by: Mr. He Dengshun	Issued date: 20201027

6 TEST RESULT

6.1 Maximum Conducted Output Power

6.1.1 Ambient condition

Temperature	Relative humidity	Pressure
25°C	30%	101.5kPa

6.1.2 Test limit

In the 5.15 – 5.25GHz band, the maximum permissible conducted output power is 250mW (23.98dBm). The maximum e.i.r.p. shall not exceed the lesser of 200 mW or 10 + 10 log10B, dBm.
In the 5.25 – 5.35GHz band, the maximum permissible conducted output power is the lesser of 250mW (23.98dBm) and 11 dBm + 10log10 (26dB BW). The maximum e.i.r.p. shall not exceed the lesser of 1.0 W or 17 + 10 log10B, dBm.
In the 5.47 – 5.725GHz band, the maximum permissible conducted output power is the lesser of 250mW (23.98dBm) and 11 dBm + 10log10 (26dB BW). The maximum e.i.r.p. shall not exceed the lesser of 1.0 W or 17 + 10 log10B, dBm.
In the 5.725 – 5.850GHz band, the maximum permissible conducted output power is 1W (30dBm). The maximum e.i.r.p. is 36 dBm.

6.1.3 Test Procedure Used

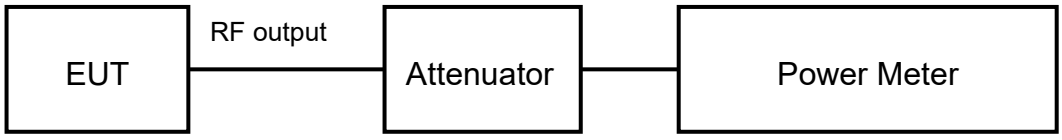
ANSI C63.10-2013 – Section 12.3.3.2 Method PM-G
KDB 789033 D02 v02r01 – Section E)3)b) Method PM-G
ANSI C63.10-2013 – Section 14.2 Measure-and-Sum Technique
KDB 662911 v02r01 – Section E)1) Measure-and-Sum Technique

6.1.4 Test Settings

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter. The trace was averaged over 100 traces to obtain the final measured average power.

6.1.5 Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.



6.1.6 Test result

The test results are shown in Appendix A.

6.2 Unwanted Radiated Emission Measurement

6.2.1 Ambient condition

Temperature	Relative humidity	Pressure
25°C	30%	100.9kPa

6.2.2 Test Description

All out of band radiated spurious emissions are measured with a spectrum analyzer connected to a receive antenna while the EUT is operating at maximum power and at the appropriate frequencies. Only the radiated emissions of the configuration that produced the worst case emissions are reported in this section.

6.2.3 Test limit

FCC Part15.205, 15.209,;

In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in below Table per Section 15.209. The spectrum shall be investigated from the lowest radio frequency signal generated in the device

Frequency [MHz]	Field strength [μV/m]	Measured Distance [meters]
0.009~0.490	2400/F(kHz)	300
0.490~1.705	24000/F(kHz)	30
1.705~30.0	30	30
30～88	100	3
88～216	150	3
216～960	200	3
Above 960	500	3

Radiated Limits

FCC Part15.35(b):

There is also a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit

Used conversion factor: Limit (dBμV/m) = 20 log (Limit (μV/m)/1μV/m)

Frequency [MHz]	Detector	Unit (dBμV/m)
30～88	Quasi-peak	40.0
88～216	Quasi-peak	43.5
216～960	Quasi-peak	46.0
960～1000	Quasi-peak	54.0
1000～5th harmonic of the highest frequency or 40GHz, whichever is lower	Average	54.0
	Peak	74.0

Conversion Radiated limits

6.2.4 Test Procedure Used

KDB 789033 D02 v02r01,Sections G.3, G.4, G.5, and G.6.

For Radiated emission below 30MHz

a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
c. Both X and Y axes of the antenna are set to make the measurement.
d. For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
e. The test-receiver system was set to Quasi-Peak Detect Function and recorded the reading with Maximum Hold Mode.

NOTE:
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer complied the following setting:

Frequency	RBW
9-150kHz	200-300Hz
0.15-30MHz	9-10kHz

For Radiated emission above 30MHz

a. The EUT was placed on the top of a rotating table 0.8 meters (for 30MHz ~ 1GHz) / 1.5 meters (for above 1GHz) above the ground in chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
e. The test-receiver system was set to quasi-peak detect function and recorded the reading with Maximum Hold Mode when the test frequency is below 1 GHz.
f. The test-receiver system was set to peak and average detector and recorded the reading with Maximum Hold Mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

For the radiated emission test above 1GHz:

Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement

antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.

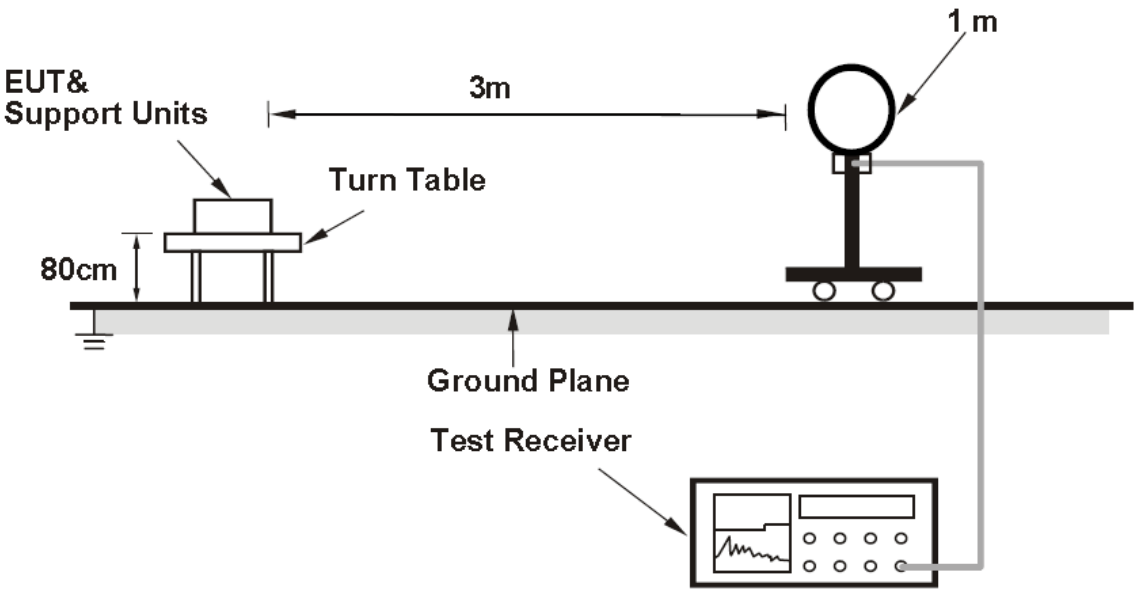
NOTE:
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Average detection (AV) at frequency above 1GHz. If duty cycle of test signal is < 98%, the duty factor need added to measured value.
4. All modes of operation were investigated and the worst-case emissions are reported.

6.2.5 Test Settings

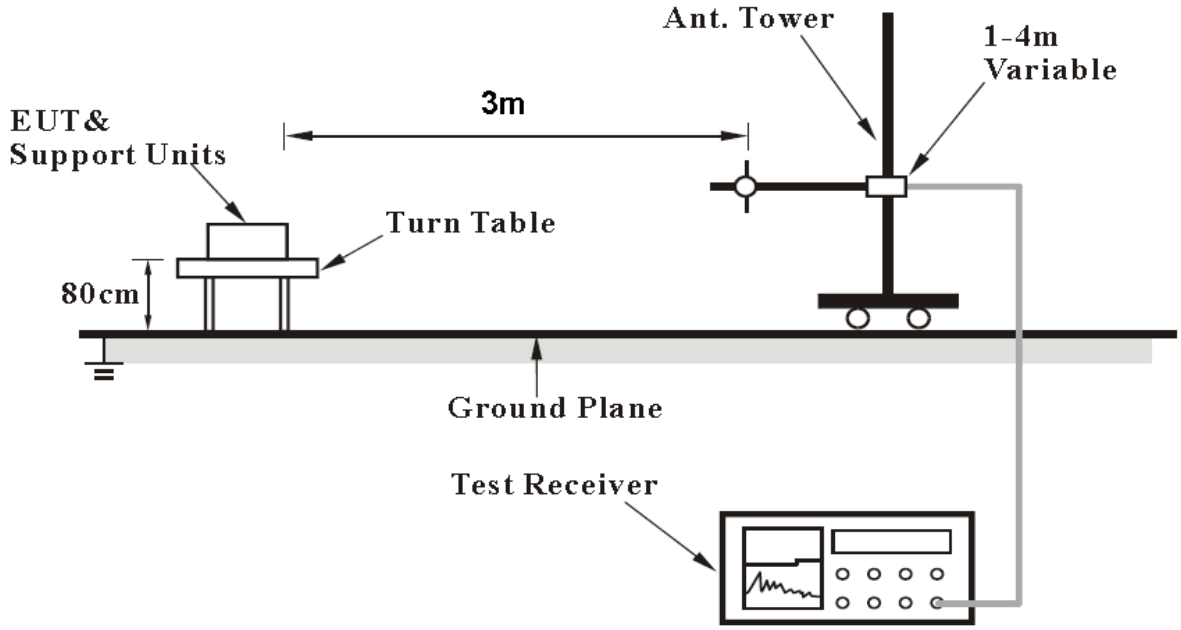
Frequency	Detector
＜1000MHz	Quasi-peak
>1000MHz	Peak and average

Frequency	RBW
9-150kHz	200-300Hz
0.15-30MHz	9-10kHz
30-1000MHz	100-120kHz
>1000MHz	1MHz

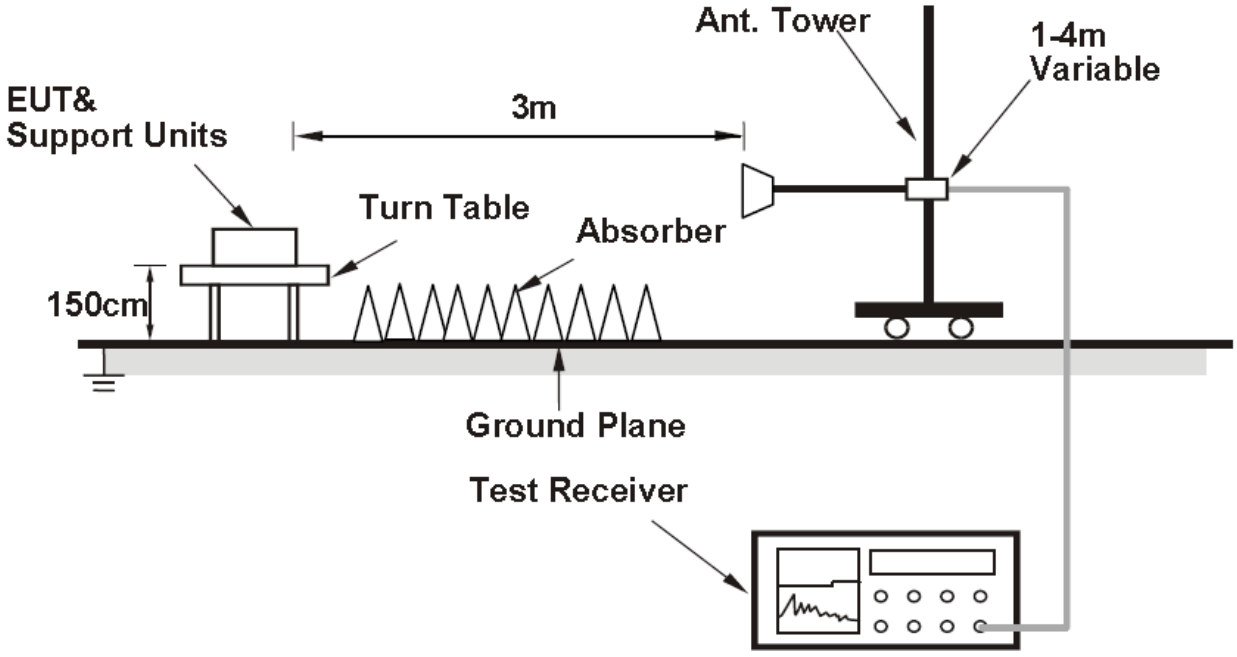
6.2.6 Test Setup
For Radiated emission below 30MHz



For Radiated emission 30MHz to 1GHz



For Radiated emission above 1GHz



6.2.7 Test result

The test results are shown in Appendix B.

6.3 AC Power line Conducted Emission

6.3.1 Ambient condition

Temperature	Relative humidity	Pressure
24°C	36%	100.9kPa

6.3.2 Test limit

FCC Part 15.207(a) ,

Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56 *	56 to 46 *
0.5-5	56	46
5-30	60	50

* Decreases with the logarithm of the frequency.

The measurement is made according to ANSI C63.10-2013

6.3.3 Test result

The test results are shown in Appendix B.

7 MEASUREMENT UNCERTAINTIES

Items	Uncertainty	
Occupied Bandwidth	3kHz	
Output Power	0.67dB	
Transmitter Power Spectral Density	0.75dB	
Spurious emissions	30MHz～1GHz	2.83dB
	1GHz～12.75GHz	2.50dB
	12.75GHz～40GHz	2.75dB

8 TEST EQUIPMENTS

No.	Name/ Model	Manufacturer	S/N	Cal date	Cal Due date
1.	Power Meter E4416A	Agilent	MY52370013	2020.03.01	2021.02.29
2.	Power Sensor E9327A	Agilent	MY52420006	2020.03.01	2021.02.29
3.	12.65m×8.03m×7.50m Fully-Anechoic Chamber	FRANKONIA	-----	-----	-----
4.	23.18m×16.88m×9.60m Semi-Anechoic Chamber	FRANKONIA	---	-----	-----
5.	Turn table Diameter:1m	HD	-----	-----	-----
6.	Turn table Diameter:5m	HD	-----	-----	-----
7.	Antenna master FAC(MA4.0)	MATURO	-----	-----	-----
8.	Antenna master SAC(MA4.0)	MATURO	-----	-----	-----
9.	9.080m×5.255m×3.525 m Shielding room	FRANKONIA	-----	-----	-----
10.	HF 906 Double-Ridged Waveguide Horn Antenna	R&S	100030	2019.08.20	2020.08.19
11.	HF 906 Double-Ridged Waveguide Horn Antenna	R&S	100029	2019.08.20	2020.08.19
12.	HL562 Ultra log antenna	R&S	100016	2019.08.20	2020.08.19
13.	3160-09 Receive antenna	SCHWARZ-BECK	002058-002	2019.08.20	2020.08.19
14.	ESI 40 EMI test receiver	R&S	100015	2019.08.20	2020.08.19
15.	Radio tester	CMU 200	114667	2019.08.20	2020.08.19
16.	ESCS30 EMI test receiver	R&S	100029	2019.08.20	2020.08.19
17.	HL562 Receive antenna	R&S	100167	2019.08.20	2020.08.19
18.	ESH3-Z5 LISN	R&S	100020	2019.08.20	2020.08.19

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

In order to find the worst case condition, Pre-tests are needed at the presence of different data rate. Data rate below means worst-case rate of each test item.
Worst-case data rates are shown as following table.

Test Mode	Data Rate
802.11a	6Mbps
802.11n HT20	MCS0(6.5 Mbps)
802.11n HT40	MCS0(13.5 Mbps)
802.11ac HT20	MCS0(6.5 Mbps)
802.11ac HT40	MCS0(13.5 Mbps)
802.11ac HT80	MCS0(29.3 Mbps)

Conducted power

U-NII-1

Test Mode	Average Power(dBm)			Limit(dBm)	Conclusion
	5180 MHz	5200 MHz	5240MHz		
802.11a	13.89	14.48	15.27	24.0	pass
802.11n(HT20)	13.44	14.04	14.86	24.0	pass
802.11ac(VHT20)	11.83	12.25	13.19	24.0	pass

Test Mode	Average Power(dBm)		Limit(dBm)	Conclusion
	5190 MHz	5230 MHz		
802.11n(HT40)	13.58	14.65	24.0	pass
802.11ac(VHT40)	12.06	13.01	24.0	pass

Test Mode	Average Power(dBm)	Limit(dBm)	Conclusion
	5210 MHz		
802.11ac(VHT80)	12.20	24.0	pass

U-NII-2A

Test Mode	Average Power(dBm)			Limit(dBm)	Conclusion
	5260 MHz	5300 MHz	5320MHz		
802.11a	14.82	15.29	15.76	24.0	pass
802.11n(HT20)	14.50	14.80	15.38	24.0	pass
802.11ac(VHT20)	12.66	13.07	13.60	24.0	pass

Test Mode	Average Power(dBm)		Limit(dBm)	Conclusion
	5270 MHz	5310 MHz		
802.11n(HT40)	14.36	14.98	24.0	pass
802.11ac(VHT40)	12.71	13.28	24.0	pass

Test Mode	Average Power(dBm)	Limit(dBm)	Conclusion
	5290 MHz		
802.11ac(VHT80)	12.69	24.0	pass

U-NII-2C

Test Mode	Average Power(dBm)			Limit(dBm)	Conclusion
	5500 MHz	5560 MHz	5700MHz		
802.11a	15.75	15.83	15.48	24.0	pass
802.11n(HT20)	15.37	15.50	14.78	24.0	pass
802.11ac(VHT20)	13.63	13.73	13.02	24.0	pass

Test Mode	Average Power(dBm)		Limit(dBm)	Conclusion
	5510 MHz	5670 MHz		
802.11n(HT40)	15.61	15.59	24.0	pass
802.11ac(VHT40)	13.74	13.67	24.0	pass

Test Mode	Average Power(dBm)	Limit(dBm)	Conclusion
	5530 MHz		
802.11ac(VHT80)	12.95	24.0	pass

U-NII-3

Test Mode	Average Power(dBm)			Limit(dBm)	Conclusion
	5745MHz	5785MHz	5825MHz		
802.11a	15.74	15.16	15.49	30.0	pass
802.11n(HT20)	15.11	14.80	14.99	30.0	pass
802.11ac(VHT20)	13.67	13.04	13.50	30.0	pass

Test Mode	Average Power(dBm)		Limit(dBm)	Conclusion
	5755 MHz	5795 MHz		
802.11n(HT40)	15.24	14.91	30.0	pass
802.11ac(VHT40)	13.46	13.12	30.0	pass

Test Mode	Average Power(dBm)	Limit(dBm)	Conclusion
	5775 MHz		
802.11ac(VHT80)	13.09	30.0	pass

APPENDIX B – TEST DATA OF RADIATED EMISSION

Radiated Emission Band Edge

The measurement results are obtained as described below:
Measure Level = Reading Level + cable loss + antenna factor
Sample calculation: (99.65 dBuV/m) = (52.75 dBμV) + (12.4 dB) + (34.5 dB), the corresponding frequency is 5180MHz.
Carrier frequency (MHz): 5180 MHz
Channel No.:36
Test Mode: 802.11a
Polarity:Vertical
Detector: Peak

No	Frequency（MHz）	Measure Level（dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5180	99.65	52.75	N/A	N/A	12.4	34.5
2	5150	49.88	2.98	-24.12	74	12.4	34.5

Carrier frequency (MHz): 5180
Channel No.:36
Test Mode: 802.11a
Polarity:Horizontal
Detector: Peak

No	Frequency（MHz）	Measure Level（dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5180	94.67	47.77	N/A	N/A	12.4	34.5
2	5150	54.11	7.21	-19.89	74	12.4	34.5

Carrier frequency (MHz): 5180 MHz
Channel No.: 36
Test Mode: 802.11a
Polarity:Vertical
Detector: Average

No	Frequency（MHz）	Measure Level（dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5180	93.86	46.96	N/A	N/A	12.4	34.5
2	5150	40.75	-6.15	-13.25	54	12.4	34.5

Carrier frequency (MHz): 5180 MHz
Channel No.: 36
Test Mode: 802.11a
Polarity:Horizontal
Detector: Average

No	Frequency（MHz）	Measure Level（dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5180	89.62	42.72	N/A	N/A	12.4	34.5
2	5150	39.9	-6.98	14.08	54	12.4	34.5

Carrier frequency (MHz): 5240 MHz
Channel No.:48
Test Mode: 802.11a
Polarity:Vertical
Detector: Peak

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5240	99.63	52.73	N/A	N/A	12.4	34.5
2	5270	49.87	2.97	-24.13	74	12.4	34.5

Carrier frequency (MHz): 5240 MHz
Channel No.:48
Test Mode: 802.11a
Polarity:Horizontal
Detector: Peak

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5240	94.87	47.97	N/A	N/A	12.4	34.5
2	5270	54.45	7.55	-19.55	74	12.4	34.5

Carrier frequency (MHz): 5240 MHz
Channel No.:48
Test Mode: 802.11a
Polarity:Vertical
Detector: Average

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5240	93.11	46.21	N/A	N/A	12.4	34.5
2	5270	40.57	-6.33	-13.43	54	12.4	34.5

Carrier frequency (MHz): 5240 MHz
Channel No.:48
Test Mode: 802.11a
Polarity:Horizontal
Detector: Average

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5240	88.38	41.48	N/A	N/A	12.4	34.5
2	5270	40.3	-6.63	13.73	54	12.4	34.5

Carrier frequency (MHz): 5180 MHz
Channel No.:36
Test Mode: 802.11n(HT20)
Polarity:Vertical
Detector: Peak

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5180	99.89	52.99	N/A	N/A	12.4	34.5
2	5150	50.46	3.56	-23.54	74	12.4	34.5

Carrier frequency (MHz): 5180
Channel No.:36
Test Mode: 802.11n(HT20)
Polarity:Horizontal
Detector: Peak

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5180	95.82	48.92	N/A	N/A	12.4	34.5
2	5150	54.26	7.36	-19.74	74	12.4	34.5

Carrier frequency (MHz): 5180 MHz
Channel No.: 36
Test Mode: 802.11n(HT20)
Polarity:Vertical
Detector: Average

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5180	93.04	46.14	N/A	N/A	12.4	34.5
2	5150	40.98	-5.92	-13.02	54	12.4	34.5

Carrier frequency (MHz): 5180 MHz
Channel No.: 36
Test Mode: 802.11n(HT20)
Polarity:Horizontal
Detector: Average

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5180	88.19	41.29	N/A	N/A	12.4	34.5
2	5150	40.4	-6.53	13.63	54	12.4	34.5

Carrier frequency (MHz): 5240 MHz
Channel No.:48
Test Mode: 802.11n(HT20)
Polarity:Vertical
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5240	99.30	52.40	N/A	N/A	12.4	34.5
2	5270	49.80	2.90	-24.20	74	12.4	34.5

Carrier frequency (MHz): 5240 MHz
Channel No.:48
Test Mode: 802.11n(HT20)
Polarity:Horizontal
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5240	95.25	48.35	N/A	N/A	12.4	34.5
2	5270	53.51	6.61	-20.49	74	12.4	34.5

Carrier frequency (MHz): 5240 MHz
Channel No.:48
Test Mode: 802.11n(HT20)
Polarity:Vertical
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5240	93.89	46.99	N/A	N/A	12.4	34.5
2	5270	40.56	-6.34	-13.44	54	12.4	34.5

Carrier frequency (MHz): 5240 MHz
Channel No.:48
Test Mode: 802.11n(HT20)
Polarity:Horizontal
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5240	89.68	42.78	N/A	N/A	12.4	34.5
2	5270	39.9	-6.98	14.08	54	12.4	34.5

Carrier frequency (MHz): 5190 MHz
Channel No.:38
Test Mode: 802.11n(HT40)
Polarity:Vertical
Detector: Peak

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5190	99.50	52.60	N/A	N/A	12.4	34.5
2	5150	49.74	2.84	-24.26	74	12.4	34.5

Carrier frequency (MHz): 5190 MHz
Channel No.:38
Test Mode: 802.11n(HT40)
Polarity:Horizontal
Detector: Peak

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5190	95.40	48.50	N/A	N/A	12.4	34.5
2	5150	53.99	7.09	-20.01	74	12.4	34.5

Carrier frequency (MHz): 5190 MHz
Channel No.:38
Test Mode: 802.11n(HT40)
Polarity:Vertical
Detector: Average

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5190	93.05	46.15	N/A	N/A	12.4	34.5
2	5150	40.71	-6.19	-13.29	54	12.4	34.5

Carrier frequency (MHz): 5190 MHz
Channel No.:38
Test Mode: 802.11n(HT40)
Polarity:Horizontal
Detector: Average

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5190	88.85	41.95	N/A	N/A	12.4	34.5
2	5150	40.1	-6.82	13.92	54	12.4	34.5

Carrier frequency (MHz): 5230 MHz
Channel No.:46
Test Mode: 802.11n(HT40)
Polarity:Vertical
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5230	99.55	52.45	N/A	N/A	12.6	34.5
2	5270	49.78	2.68	-24.22	74	12.6	34.5

Carrier frequency (MHz): 5230 MHz
Channel No.:46
Test Mode: 802.11n(HT40)
Polarity:Horizontal
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5230	94.87	47.77	N/A	N/A	12.6	34.5
2	5270	49.59	2.49	-24.41	74	12.6	34.5

Carrier frequency (MHz): 5230 MHz
Channel No.:46
Test Mode: 802.11n(HT40)
Polarity:Vertical
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5230	91.30	44.20	N/A	N/A	12.6	34.5
2	5270	39.30	-7.80	-14.70	54	12.6	34.5

Carrier frequency (MHz): 5230 MHz
Channel No.:46
Test Mode: 802.11n(HT40)
Polarity:Horizontal
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5230	86.97	39.87	N/A	N/A	12.6	34.5
2	5270	38.48	-8.62	-15.52	54	12.6	34.5

Carrier frequency (MHz): 5180 MHz
Channel No.:36
Test Mode: 802.11ac(HT20)
Polarity:Vertical
Detector: Peak

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5180	99.19	52.29	N/A	N/A	12.4	34.5
2	5150	50.02	3.12	-23.98	74	12.4	34.5

Carrier frequency (MHz): 5180
Channel No.:36
Test Mode: 802.11ac(HT20)
Polarity:Horizontal
Detector: Peak

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5180	95.01	48.11	N/A	N/A	12.4	34.5
2	5150	53.85	6.95	-20.15	74	12.4	34.5

Carrier frequency (MHz): 5180 MHz
Channel No.: 36
Test Mode: 802.11ac(HT20)
Polarity:Vertical
Detector: Average

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5180	93.84	46.94	N/A	N/A	12.4	34.5
2	5150	40.63	-6.27	-13.37	54	12.4	34.5

Carrier frequency (MHz): 5180 MHz
Channel No.: 36
Test Mode: 802.11ac(HT20)
Polarity:Horizontal
Detector: Average

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5180	89.19	42.29	N/A	N/A	12.4	34.5
2	5150	39.8	-7.07	14.17	54	12.4	34.5

Carrier frequency (MHz): 5240 MHz
Channel No.:48
Test Mode: 802.11ac(HT20)
Polarity:Vertical
Detector: Peak

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5240	99.14	52.04	N/A	N/A	12.6	34.5
2	5270	49.94	2.84	-24.06	74	12.6	34.5

Carrier frequency (MHz): 5240 MHz
Channel No.:48
Test Mode: 802.11ac(HT20)
Polarity:Horizontal
Detector: Peak

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5240	94.73	47.63	N/A	N/A	12.6	34.5
2	5270	49.92	2.82	-24.08	74	12.6	34.5

Carrier frequency (MHz): 5240 MHz
Channel No.:48
Test Mode: 802.11ac(HT20)
Polarity:Vertical
Detector: Average

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5240	91.74	44.64	N/A	N/A	12.6	34.5
2	5270	39.81	-7.29	-14.19	54	12.6	34.5

Carrier frequency (MHz): 5240 MHz
Channel No.:48
Test Mode: 802.11ac(HT20)
Polarity:Horizontal
Detector: Average

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5240	87.25	40.15	N/A	N/A	12.6	34.5
2	5270	38.83	-8.27	-15.17	54	12.6	34.5

Carrier frequency (MHz): 5190 MHz
Channel No.:38
Test Mode: 802.11ac(HT40)
Polarity:Vertical
Detector: Peak

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5190	99.73	52.83	N/A	N/A	12.4	34.5
2	5150	50.68	3.78	-23.32	74	12.4	34.5

Carrier frequency (MHz): 5190 MHz
Channel No.:38
Test Mode: 802.11ac(HT40)
Polarity:Horizontal
Detector: Peak

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5190	94.80	47.90	N/A	N/A	12.4	34.5
2	5150	53.57	6.67	-20.43	74	12.4	34.5

Carrier frequency (MHz): 5190 MHz
Channel No.:38
Test Mode: 802.11ac(HT40)
Polarity:Vertical
Detector: Average

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5190	93.62	46.72	N/A	N/A	12.4	34.5
2	5150	40.38	-6.52	-13.62	54	12.4	34.5

Carrier frequency (MHz): 5190 MHz
Channel No.:38
Test Mode: 802.11ac(HT40)
Polarity:Horizontal
Detector: Average

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5190	89.61	42.71	N/A	N/A	12.4	34.5
2	5150	39.9	-7.02	14.12	54	12.4	34.5

Carrier frequency (MHz): 5230 MHz
Channel No.:46
Test Mode: 802.11ac(HT40)
Polarity:Vertical
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5230	99.14	52.04	N/A	N/A	12.6	34.5
2	5270	49.94	2.84	-24.06	74	12.6	34.5

Carrier frequency (MHz): 5230 MHz
Channel No.:46
Test Mode: 802.11ac(HT40)
Polarity:Horizontal
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5230	94.73	47.63	N/A	N/A	12.6	34.5
2	5270	49.92	2.82	-24.08	74	12.6	34.5

Carrier frequency (MHz): 5230 MHz
Channel No.:46
Test Mode: 802.11ac(HT40)
Polarity:Vertical
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5230	91.74	44.64	N/A	N/A	12.6	34.5
2	5270	39.81	-7.29	-14.19	54	12.6	34.5

Carrier frequency (MHz): 5230 MHz
Channel No.:46
Test Mode: 802.11ac(HT40)
Polarity:Horizontal
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5230	87.25	40.15	N/A	N/A	12.6	34.5
2	5270	38.83	-8.27	-15.17	54	12.6	34.5

Carrier frequency (MHz): 5210 MHz
Channel No.:42
Test Mode: 802.11ac(HT80)
Polarity:Vertical
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5210	99.02	52.12	N/A	N/A	12.4	34.5
2	5270	49.62	2.72	-24.38	74	12.4	34.5

Carrier frequency (MHz): 5210 MHz
Channel No.:42
Test Mode: 802.11ac(HT80)
Polarity:Horizontal
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5210	94.69	47.79	N/A	N/A	12.4	34.5
2	5270	54.30	7.40	-19.70	74	12.4	34.5

Carrier frequency (MHz): 5210 MHz
Channel No.:42
Test Mode: 802.11ac(HT80)
Polarity:Vertical
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5210	93.59	46.69	N/A	N/A	12.4	34.5
2	5270	40.73	-6.17	-13.27	54	12.4	34.5

Carrier frequency (MHz): 5210 MHz
Channel No.:42
Test Mode: 802.11ac(HT80)
Polarity:Horizontal
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5210	88.96	42.06	N/A	N/A	12.4	34.5
2	5270	40.4	-6.52	13.62	54	12.4	34.5

Carrier frequency (MHz): 5745 MHz
Channel No.:149
Test Mode: 802.11a
Polarity:Vertical
Detector: Peak

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5745	99.36	51.76	N/A	N/A	12.9	34.7
2	5725	50.64	3.04	-23.36	74	12.9	34.7

Carrier frequency (MHz): 5745 MHz
Channel No.:149
Test Mode: 802.11a
Polarity:Horizontal
Detector: Peak

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5745	94.45	46.85	N/A	N/A	12.9	34.7
2	5725	49.72	2.12	-24.28	74	12.9	34.7

Carrier frequency (MHz): 5745 MHz
Channel No.:149
Test Mode: 802.11a
Polarity:Vertical
Detector: Average

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5745	92.56	44.96	N/A	N/A	12.9	34.7
2	5725	38.28	-9.32	-15.72	54	12.9	34.7

Carrier frequency (MHz): 5745 MHz
Channel No.:149
Test Mode: 802.11a
Polarity:Horizontal
Detector: Average

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5745	88.48	40.88	N/A	N/A	12.9	34.7
2	5725	37.49	-10.11	-16.51	54	12.9	34.7

Carrier frequency (MHz): 5320 MHz
Channel No.:64
Test Mode: 802.11a
Polarity:Vertical
Detector: Peak

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5320	99.88	52.78	N/A	N/A	12.6	34.5
2	5350	50.11	3.01	-23.89	74	12.6	34.5

Carrier frequency (MHz): 5320 MHz
Channel No.:64
Test Mode: 802.11a
Polarity:Horizontal
Detector: Peak

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5320	95.64	48.54	N/A	N/A	12.6	34.5
2	5350	50.00	2.90	-24.00	74	12.6	34.5

Carrier frequency (MHz): 5320 MHz
Channel No.:64
Test Mode: 802.11a
Polarity:Vertical
Detector: Average

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5320	91.04	43.94	N/A	N/A	12.6	34.5
2	5350	39.39	-7.71	-14.61	54	12.6	34.5

Carrier frequency (MHz): 5320 MHz
Channel No.:64
Test Mode: 802.11a
Polarity:Horizontal
Detector: Average

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5320	87.03	39.93	N/A	N/A	12.6	34.5
2	5350	38.82	-8.28	-15.18	54	12.6	34.5

Carrier frequency (MHz): 5745 MHz
Channel No.:149
Test Mode: 802.11n（HT20）
Polarity:Vertical
Detector: Peak

No	Frequency（MHz）	Measure Level（dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5745	99.36	51.76	N/A	N/A	12.9	34.7
2	5725	50.64	3.04	-23.36	74	12.9	34.7

Carrier frequency (MHz): 5745 MHz
Channel No.:149
Test Mode: 802.11n（HT20）
Polarity:Horizontal
Detector: Peak

No	Frequency（MHz）	Measure Level（dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5745	94.45	46.85	N/A	N/A	12.9	34.7
2	5725	49.72	2.12	-24.28	74	12.9	34.7

Carrier frequency (MHz): 5745 MHz
Channel No.:149
Test Mode: 802.11n（HT20）
Polarity:Vertical
Detector: Average

No	Frequency（MHz）	Measure Level（dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5745	92.56	44.96	N/A	N/A	12.9	34.7
2	5725	38.28	-9.32	-15.72	54	12.9	34.7

Carrier frequency (MHz): 5745 MHz
Channel No.:149
Test Mode: 802.11n（HT20）
Polarity:Horizontal
Detector: Average

No	Frequency（MHz）	Measure Level（dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5745	88.48	40.88	N/A	N/A	12.9	34.7
2	5725	37.49	-10.11	-16.51	54	12.9	34.7

Carrier frequency (MHz): 5825 MHz
Channel No.:165
Test Mode: 802.11n（HT20）
Polarity:Vertical
Detector: Peak

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5825	99.25	51.65	N/A	N/A	12.9	34.7
2	5850	49.86	2.26	-24.14	74	12.9	34.7

Carrier frequency (MHz): 5825 MHz
Channel No.:165
Test Mode: 802.11n（HT20）
Polarity:Horizontal
Detector: Peak

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5825	94.90	47.30	N/A	N/A	12.9	34.7
2	5850	49.63	2.03	-24.37	74	12.9	34.7

Carrier frequency (MHz): 5825 MHz
Channel No.:165
Test Mode: 802.11n（HT20）
Polarity:Vertical
Detector: Average

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5825	92.65	45.05	N/A	N/A	12.9	34.7
2	5850	38.71	-8.89	-15.29	54	12.9	34.7

Carrier frequency (MHz): 5825 MHz
Channel No.:165
Test Mode: 802.11n（HT20）
Polarity:Horizontal
Detector: Average

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5825	88.61	41.01	N/A	N/A	12.9	34.7
2	5850	38.06	-9.54	-15.94	54	12.9	34.7

Carrier frequency (MHz): 5755 MHz
Channel No.:151
Test Mode: 802.11n（HT40）
Polarity:Vertical
Detector: Peak

No	Frequency（MHz）	Measure Level（dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5755	99.64	52.04	N/A	N/A	12.9	34.7
2	5725	50.88	3.28	-23.12	74	12.9	34.7

Carrier frequency (MHz): 5755 MHz
Channel No.:151
Test Mode: 802.11n（HT40）
Polarity:Horizontal
Detector: Peak

No	Frequency（MHz）	Measure Level（dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5755	95.34	47.74	N/A	N/A	12.9	34.7
2	5725	50.68	3.08	-23.32	74	12.9	34.7

Carrier frequency (MHz): 5755 MHz
Channel No.:151
Test Mode: 802.11n（HT40）
Polarity:Vertical
Detector: Average

No	Frequency（MHz）	Measure Level（dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5755	92.25	44.65	N/A	N/A	12.9	34.7
2	5725	38.05	-9.55	-15.95	54	12.9	34.7

Carrier frequency (MHz): 5755 MHz
Channel No.:151
Test Mode: 802.11n（HT40）
Polarity:Horizontal
Detector: Average

No	Frequency（MHz）	Measure Level（dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5755	87.95	40.35	N/A	N/A	12.9	34.7
2	5725	37.33	-10.27	-16.67	54	12.9	34.7

Carrier frequency (MHz): 5795 MHz
Channel No.:159
Test Mode: 802.11n（HT40）
Polarity:Vertical
Detector: Peak

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5795	99.39	51.79	N/A	N/A	12.9	34.7
2	5755	50.20	2.60	-23.80	74	12.9	34.7

Carrier frequency (MHz): 5795 MHz
Channel No.:159
Test Mode: 802.11n（HT40）
Polarity:Horizontal
Detector: Peak

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5795	95.00	47.40	N/A	N/A	12.9	34.7
2	5755	49.55	1.95	-24.45	74	12.9	34.7

Carrier frequency (MHz): 5795 MHz
Channel No.:159
Test Mode: 802.11n（HT40）
Polarity:Vertical
Detector: Average

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5795	92.15	44.55	N/A	N/A	12.9	34.7
2	5755	38.29	-9.31	-15.71	54	12.9	34.7

Carrier frequency (MHz): 5795 MHz
Channel No.:159
Test Mode: 802.11n（HT40）
Polarity:Horizontal
Detector: Average

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5795	88.08	40.48	N/A	N/A	12.9	34.7
2	5755	37.94	-9.66	-16.06	54	12.9	34.7

Carrier frequency (MHz): 5745 MHz
Channel No.:149
Test Mode: 802.11ac（HT20）
Polarity:Vertical
Detector: Peak

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5745	99.72	52.12	N/A	N/A	12.9	34.7
2	5725	50.26	2.66	-23.74	74	12.9	34.7

Carrier frequency (MHz): 5745 MHz
Channel No.:149
Test Mode: 802.11ac（HT20）
Polarity:Horizontal
Detector: Peak

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5745	95.20	47.60	N/A	N/A	12.9	34.7
2	5725	49.74	2.14	-24.26	74	12.9	34.7

Carrier frequency (MHz): 5745 MHz
Channel No.:149
Test Mode: 802.11ac（HT20）
Polarity:Vertical
Detector: Average

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5745	92.88	45.28	N/A	N/A	12.9	34.7
2	5725	39.06	-8.54	-14.94	54	12.9	34.7

Carrier frequency (MHz): 5745 MHz
Channel No.:149
Test Mode: 802.11ac（HT20）
Polarity:Horizontal
Detector: Average

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5745	88.64	41.04	N/A	N/A	12.9	34.7
2	5725	38.53	-9.07	-15.47	54	12.9	34.7

Carrier frequency (MHz): 5825 MHz
Channel No.:165
Test Mode: 802.11ac（HT20）
Polarity:Vertical
Detector: Peak

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5825	99.20	51.60	N/A	N/A	12.9	34.7
2	5855	50.45	2.85	-23.55	74	12.9	34.7

Carrier frequency (MHz): 5825 MHz
Channel No.:165
Test Mode: 802.11ac（HT20）
Polarity:Horizontal
Detector: Peak

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5825	94.53	46.93	N/A	N/A	12.9	34.7
2	5855	50.42	2.82	-23.58	74	12.9	34.7

Carrier frequency (MHz): 5825 MHz
Channel No.:165
Test Mode: 802.11ac（HT20）
Polarity:Vertical
Detector: Average

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5825	92.79	45.19	N/A	N/A	12.9	34.7
2	5855	38.29	-9.31	-15.71	54	12.9	34.7

Carrier frequency (MHz): 5825 MHz
Channel No.:165
Test Mode: 802.11ac（HT20）
Polarity:Horizontal
Detector: Average

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5825	88.27	40.67	N/A	N/A	12.9	34.7
2	5855	37.81	-9.79	-16.19	54	12.9	34.7

Carrier frequency (MHz): 5755 MHz
Channel No.:151
Test Mode: 802.11ac（HT40）
Polarity:Vertical
Detector: Peak

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5755	99.69	52.09	N/A	N/A	12.9	34.7
2	5725	50.87	3.27	-23.13	74	12.9	34.7

Carrier frequency (MHz): 5755 MHz
Channel No.:151
Test Mode: 802.11ac（HT40）
Polarity:Horizontal
Detector: Peak

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5755	95.40	47.80	N/A	N/A	12.9	34.7
2	5725	50.50	2.90	-23.50	74	12.9	34.7

Carrier frequency (MHz): 5755 MHz
Channel No.:151
Test Mode: 802.11ac（HT40）
Polarity:Vertical
Detector: Average

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5755	92.35	44.75	N/A	N/A	12.9	34.7
2	5725	38.49	-9.11	-15.51	54	12.9	34.7

Carrier frequency (MHz): 5755 MHz
Channel No.:151
Test Mode: 802.11ac（HT40）
Polarity:Horizontal
Detector: Average

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5755	87.52	39.92	N/A	N/A	12.9	34.7
2	5725	37.57	-10.03	-16.43	54	12.9	34.7

Carrier frequency (MHz): 5775 MHz
Channel No.:155
Test Mode: 802.11ac（HT80）
Polarity:Vertical
Detector: Peak

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5775	99.26	51.66	N/A	N/A	12.9	34.7
2	5825	50.08	2.48	-23.92	74	12.9	34.7

Carrier frequency (MHz): 5775 MHz
Channel No.:155
Test Mode: 802.11ac（HT80）
Polarity:Horizontal
Detector: Peak

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5775	95.00	47.40	N/A	N/A	12.9	34.7
2	5825	49.85	2.25	-24.15	74	12.9	34.7

Carrier frequency (MHz): 5775 MHz
Channel No.:155
Test Mode: 802.11ac（HT80）
Polarity:Vertical
Detector: Average

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5775	92.96	45.36	N/A	N/A	12.9	34.7
2	5825	38.72	-8.88	-15.28	54	12.9	34.7

Carrier frequency (MHz): 5775 MHz
Channel No.:155
Test Mode: 802.11ac（HT80）
Polarity:Horizontal
Detector: Average

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5775	88.88	41.28	N/A	N/A	12.9	34.7
2	5825	38.56	-9.04	-15.44	54	12.9	34.7

Carrier frequency (MHz): 5500 MHz
Channel No.:100
Test Mode: 802.11a
Polarity: Vertical
Detector: Peak

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5500	99.17	51.57	N/A	N/A	12.9	34.7
2	5475	50.24	2.64	-23.76	74	12.9	34.7

Carrier frequency (MHz): 5500 MHz
Channel No.:100
Test Mode: 802.11a
Polarity:Horizontal
Detector: Peak

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5500	95.01	47.41	N/A	N/A	12.9	34.7
2	5475	49.80	2.20	-24.20	74	12.9	34.7

Carrier frequency (MHz): 5500 MHz
Channel No.:100
Test Mode: 802.11a
Polarity:Vertical
Detector: Average

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5500	92.25	44.65	N/A	N/A	12.9	34.7
2	5475	37.98	-9.62	-16.02	54	12.9	34.7

Carrier frequency (MHz): 5500 MHz
Channel No.:100
Test Mode: 802.11a
Polarity:Horizontal
Detector: Average

No	Frequency （MHz）	Measure Level （dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5500	87.61	40.01	N/A	N/A	12.9	34.7
2	5475	37.42	-10.18	-16.58	54	12.9	34.7

Carrier frequency (MHz): 5500 MHz
Channel No.:100
Test Mode: 802.11n（HT20）
Polarity:Vertical
Detector: Peak

No	Frequency（MHz）	Measure Level（dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5500	99.60	52.00	N/A	N/A	12.9	34.7
2	5475	50.78	3.18	-23.22	74	12.9	34.7

Carrier frequency (MHz): 5500 MHz
Channel No.:100
Test Mode: 802.11n（HT20）
Polarity: Horizontal
Detector: Peak

No	Frequency（MHz）	Measure Level（dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5500	95.35	47.75	N/A	N/A	12.9	34.7
2	5475	49.85	2.25	-24.15	74	12.9	34.7

Carrier frequency (MHz): 5500 MHz
Channel No.:100
Test Mode: 802.11n（HT20）
Polarity: Vertical
Detector: Average

No	Frequency（MHz）	Measure Level（dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5500	92.61	45.01	N/A	N/A	12.9	34.7
2	5475	38.14	-9.46	-15.86	54	12.9	34.7

Carrier frequency (MHz): 5500 MHz
Channel No.:100
Test Mode: 802.11n（HT20）
Polarity:Horizontal
Detector: Average

No	Frequency（MHz）	Measure Level（dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5500	88.59	40.99	N/A	N/A	12.9	34.7
2	5475	37.35	-10.25	-16.65	54	12.9	34.7

Carrier frequency (MHz): 5510 MHz
Channel No.:102
Test Mode: 802.11n（HT40）
Polarity:Vertical
Detector: Peak

No	Frequency（MHz）	Measure Level（dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5510	99.17	51.57	N/A	N/A	12.9	34.7
2	5470	50.52	2.92	-23.48	74	12.9	34.7

Carrier frequency (MHz): 5510 MHz
Channel No.:102
Test Mode: 802.11n（HT40）
Polarity:Horizontal
Detector: Peak

No	Frequency（MHz）	Measure Level（dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5510	94.93	47.33	N/A	N/A	12.9	34.7
2	5470	49.52	1.92	-24.48	74	12.9	34.7

Carrier frequency (MHz): 5510 MHz
Channel No.:102
Test Mode: 802.11n（HT40）
Polarity:Vertical
Detector: Average

No	Frequency（MHz）	Measure Level（dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5510	92.68	45.08	N/A	N/A	12.9	34.7
2	5470	38.20	-9.40	-15.80	54	12.9	34.7

Carrier frequency (MHz): 5510 MHz
Channel No.:102
Test Mode: 802.11n（HT40）
Polarity:Horizontal
Detector: Average

No	Frequency（MHz）	Measure Level（dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5510	88.47	40.87	N/A	N/A	12.9	34.7
2	5470	37.72	-9.88	-16.28	54	12.9	34.7

Carrier frequency (MHz): 5530 MHz
Channel No.:106
Test Mode: 802.11ac（VHHT80）
Polarity:Vertical
Detector: Peak

No	Frequency（MHz）	Measure Level（dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5530	99.83	52.23	N/A	N/A	12.9	34.7
2	5470	51.22	3.62	-22.78	74	12.9	34.7

Carrier frequency (MHz): 5530 MHz
Channel No.:106
Test Mode: 802.11ac（VHHT80）
Polarity:Horizontal
Detector: Peak

No	Frequency（MHz）	Measure Level（dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5530	95.16	47.56	N/A	N/A	12.9	34.7
2	5470	50.69	3.09	-23.31	74	12.9	34.7

Carrier frequency (MHz): 5530 MHz
Channel No.:106
Test Mode: 802.11ac（VHHT80）
Polarity:Vertical
Detector: Average

No	Frequency（MHz）	Measure Level（dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5530	92.35	44.75	N/A	N/A	12.9	34.7
2	5470	38.73	-8.87	-15.27	54	12.9	34.7

Carrier frequency (MHz): 5530 MHz
Channel No.:106
Test Mode: 802.11ac（VHHT80）
Polarity:Horizontal
Detector: Average

No	Frequency（MHz）	Measure Level（dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuv/m)	cable loss (dB)	antenna factor (dB)
1	5530	87.92	40.32	N/A	N/A	12.9	34.7
2	5470	37.88	-9.72	-16.12	54	12.9	34.7

Sample Calculations

Determining Spurious Emissions Levels

A “reference path loss” is established and the A_{Rpl} is the attenuation of “reference path loss”, and including the gain of receive antenna, the gain of the preamplifier, the cable loss.
The measurement results are obtained as described below:
Result= P_{mea} + A_{Rpl}
Sample calculation: (7.47 dBμV/m) = (28.47 dBμV) + (-21.0 dB/m), the corresponding frequency is 30.522000MHz.
The worst case attitude: The mobile lay down.

5150MHz-5250MHz

For 802.11a

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
30.522000	7.47	-21.0	28.47	Vertical	40.00
132.161000	27.23	-21.5	48.73	Horizon	43.50
250.016000	30.47	-16.3	46.77	Horizon	46.00
400.018000	37.53	-11.7	49.23	Horizon	46.00
527.978000	37.53	-8.6	46.13	Horizon	46.00
750.011000	37.71	-4.4	42.11	Horizon	46.00

For 802.11n(HT20)

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
49.922000	12.16	-17.1	29.26	Vertical	40.00
132.597500	27.37	-21.5	48.87	Horizon	43.50
219.501000	28.05	-18.0	46.05	Horizon	46.00
399.986500	34.87	-11.7	46.57	Horizon	46.00
527.978000	33.37	-8.6	41.97	Vertical	46.00
850.018000	34.16	-2.4	36.56	Horizon	46.00

For 802.11n(HT40)

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
81.236000	17.29	-23.5	40.79	Vertical	40.00
132.055500	25.97	-21.4	47.37	Horizon	43.50
250.016000	24.99	-16.3	41.29	Horizon	46.00
399.986500	32.21	-11.7	43.91	Horizon	46.00
527.978000	32.43	-8.6	41.03	Horizon	46.00
950.016500	31.45	-0.9	32.35	Horizon	46.00

For 802.11ac(HT20)

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
81.236000	17.29	-23.5	40.79	Vertical	40.00
132.597500	25.76	-21.5	47.26	Horizon	43.50
250.016000	25.15	-16.3	41.45	Horizon	46.00
399.986500	32.04	-11.7	43.74	Horizon	46.00
527.978000	32.42	-8.6	41.02	Horizon	46.00
950.025000	31.17	-0.9	32.07	Horizon	46.00

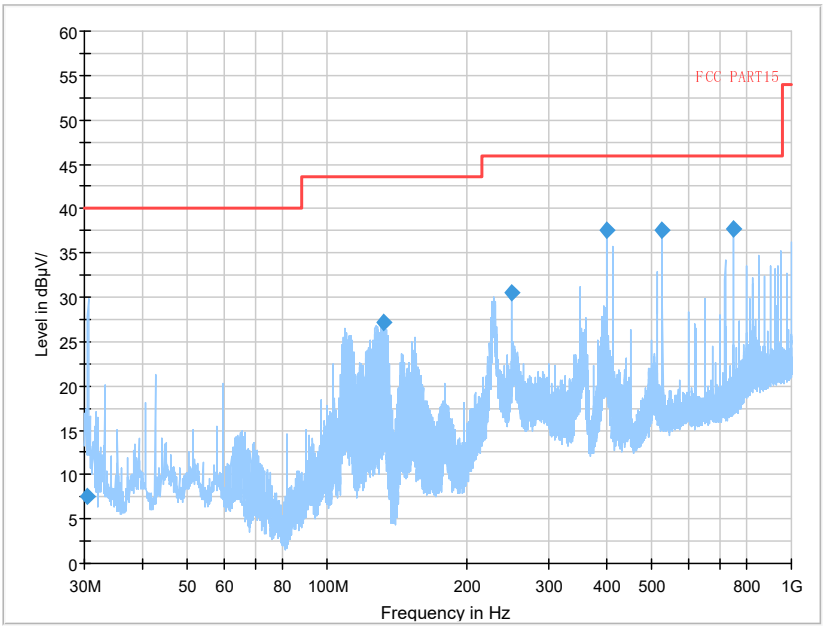
For 802.11ac(HT40)

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
81.236000	17.19	-23.5	40.69	Vertical	40.00
131.473500	26.08	-21.4	47.48	Horizon	43.50
250.007500	25.43	-16.3	41.73	Horizon	46.00
399.986500	31.95	-11.7	43.65	Horizon	46.00
527.978000	32.41	-8.6	41.01	Horizon	46.00
950.025000	31.15	-0.9	32.05	Horizon	46.00

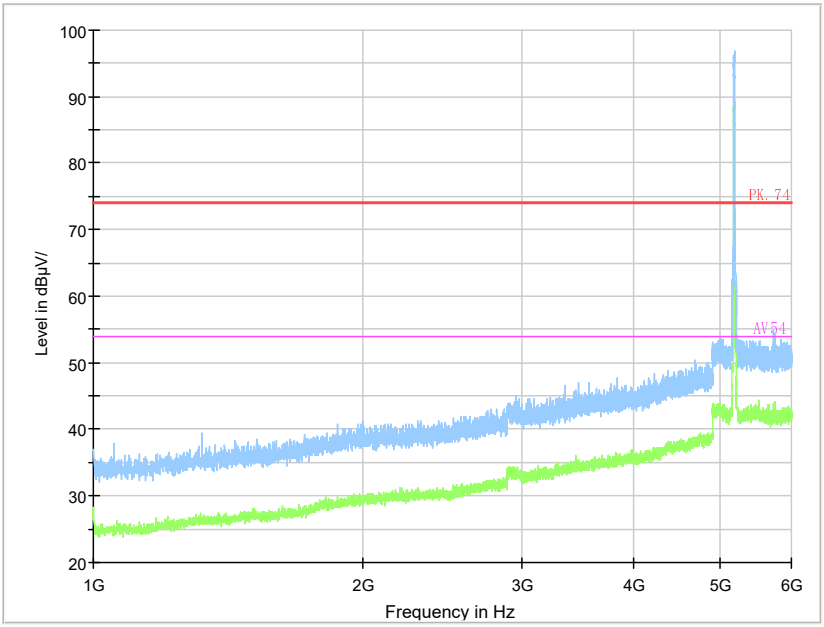
For 802.11ac(HT80)

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)
81.236000	17.29	-23.5	40.79	Vertical	40.00
131.473500	25.99	-21.4	47.39	Horizon	43.50
250.016000	25.07	-16.3	41.37	Horizon	46.00
399.986500	31.94	-11.7	43.64	Horizon	46.00
527.978000	32.38	-8.6	40.98	Horizon	46.00
950.025000	31.15	-0.9	32.05	Horizon	46.00

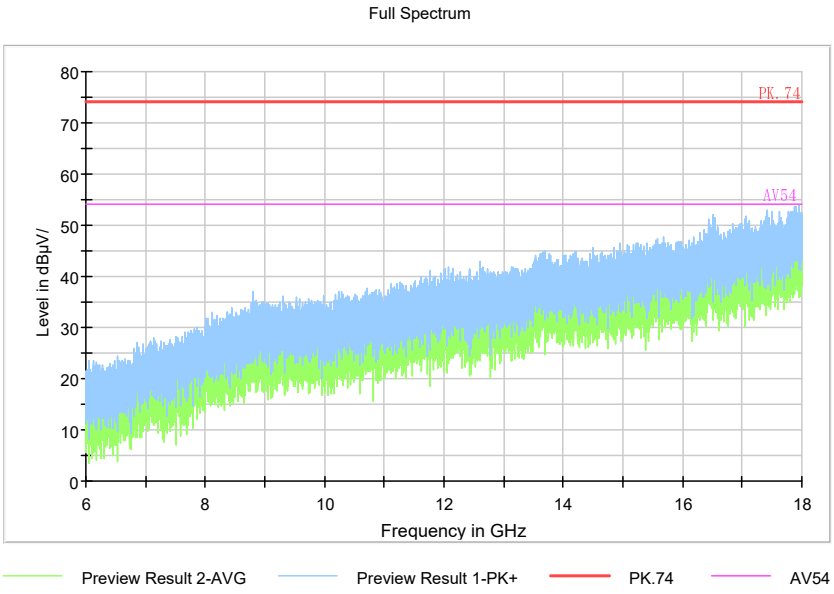
Carrier frequency (MHz): 5200
Channel No.:40



Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11a



Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11a

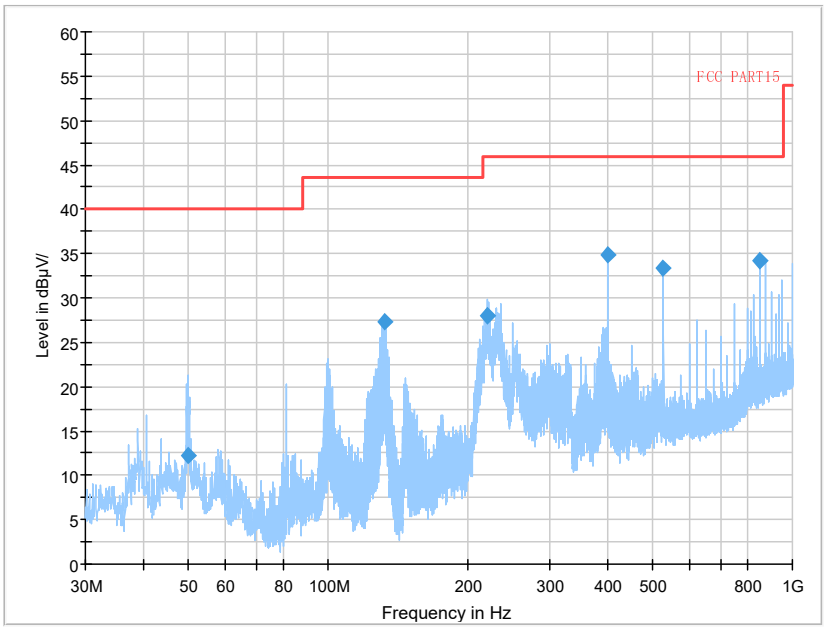


Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11a

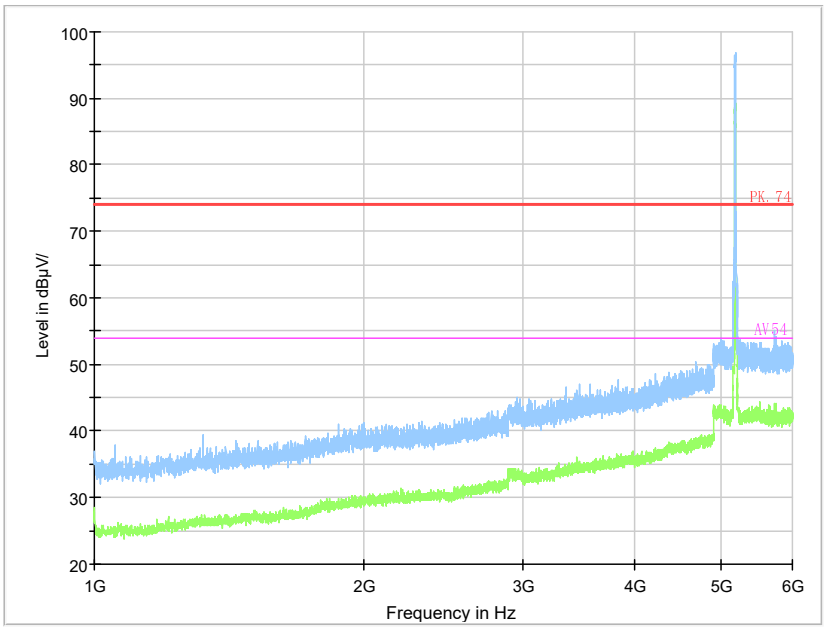
Frequency Range: 18GHz -26.5GHz
Detector: Av mode and PK mode
Modulation type: 802.11a

Frequency Range: 26.5GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11a

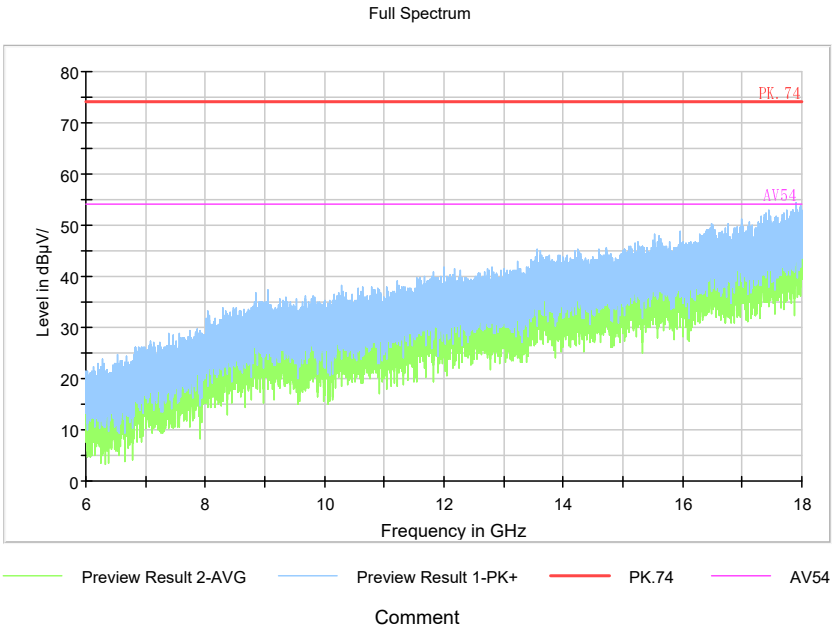
Carrier frequency (MHz): 5200
Channel No.:40



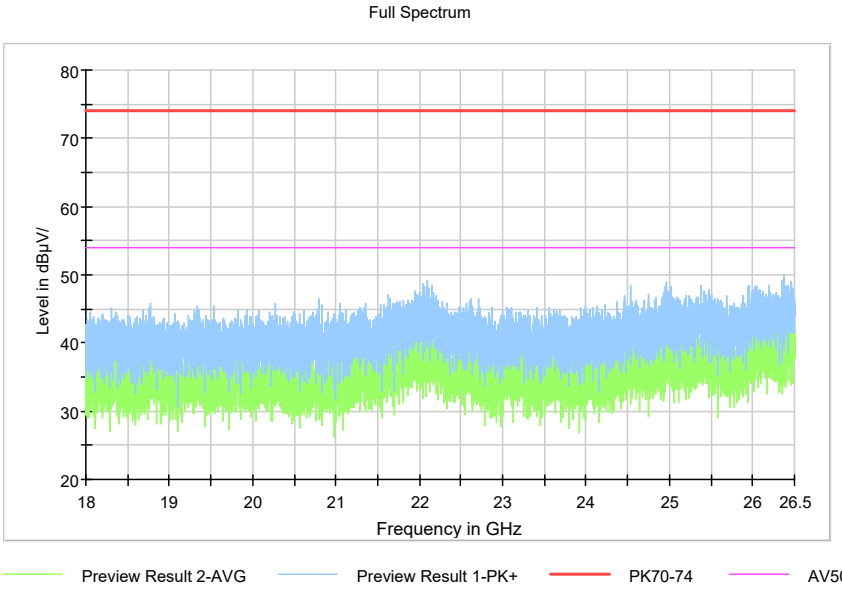
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11 n(HT20)



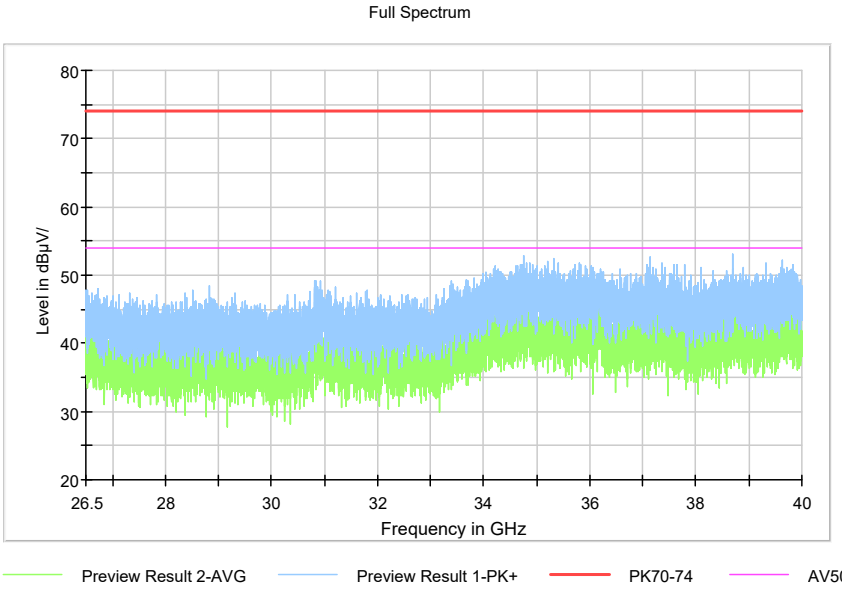
Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)



Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11 n(HT20)



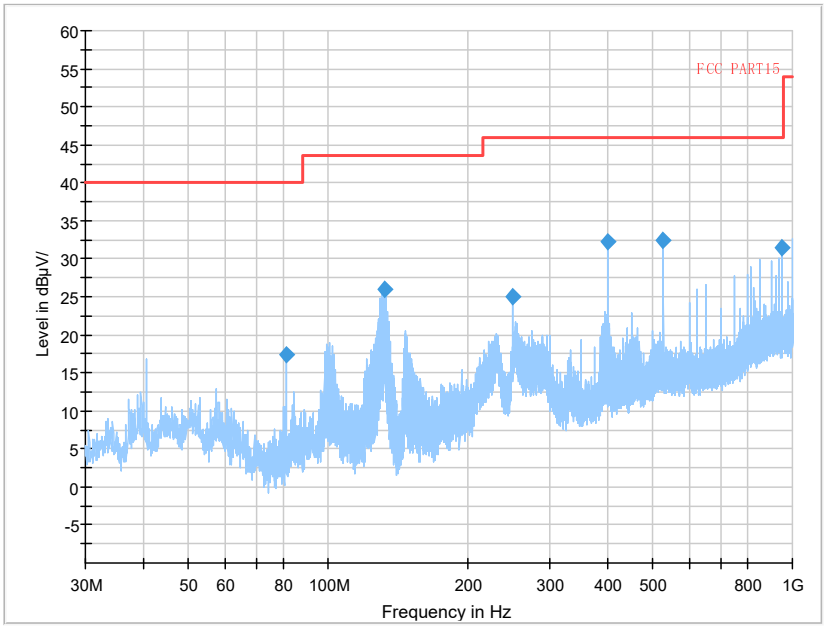
Frequency Range: 18GHz -26.5GHz
Detector: Av mode and PK mode
Modulation type: 802.11 n(HT20)



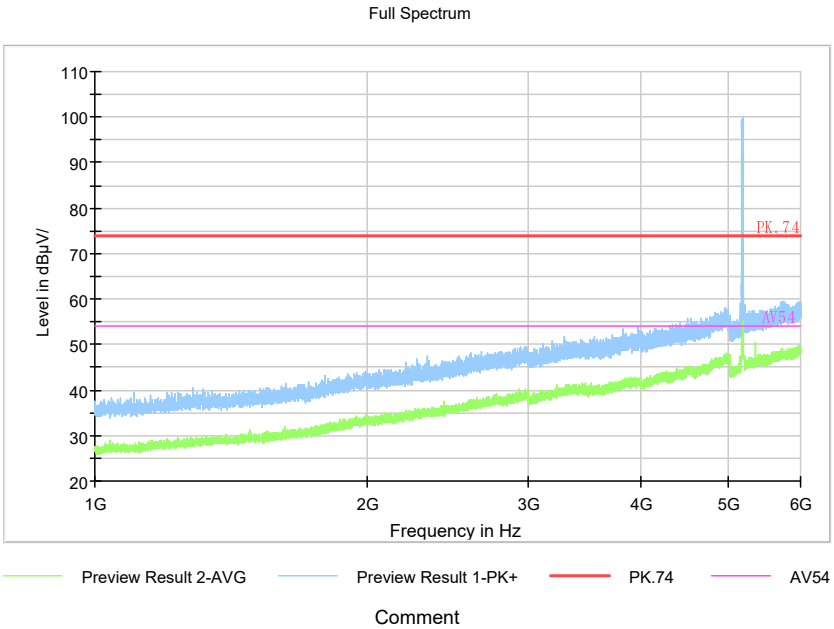
Frequency Range: 26.5GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11 n(HT20)

Carrier frequency (MHz): 5230

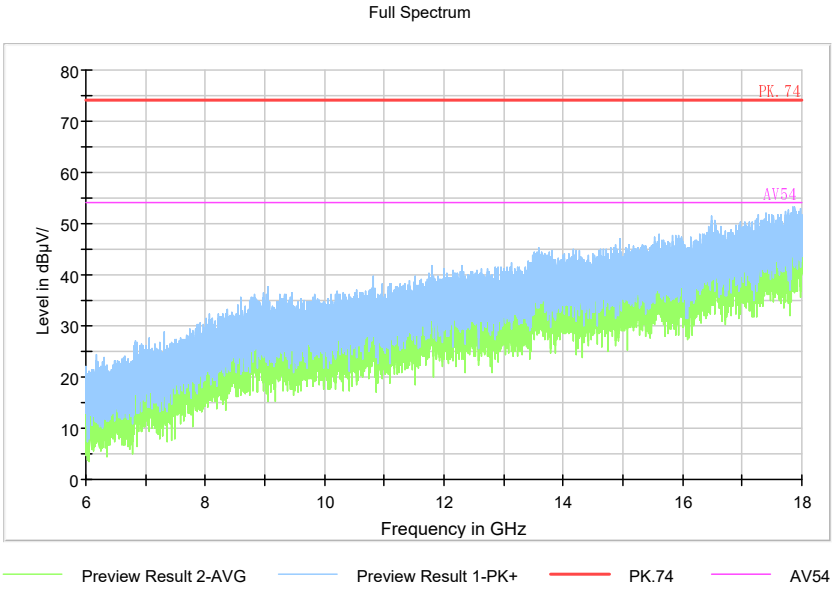
Channel No.:46



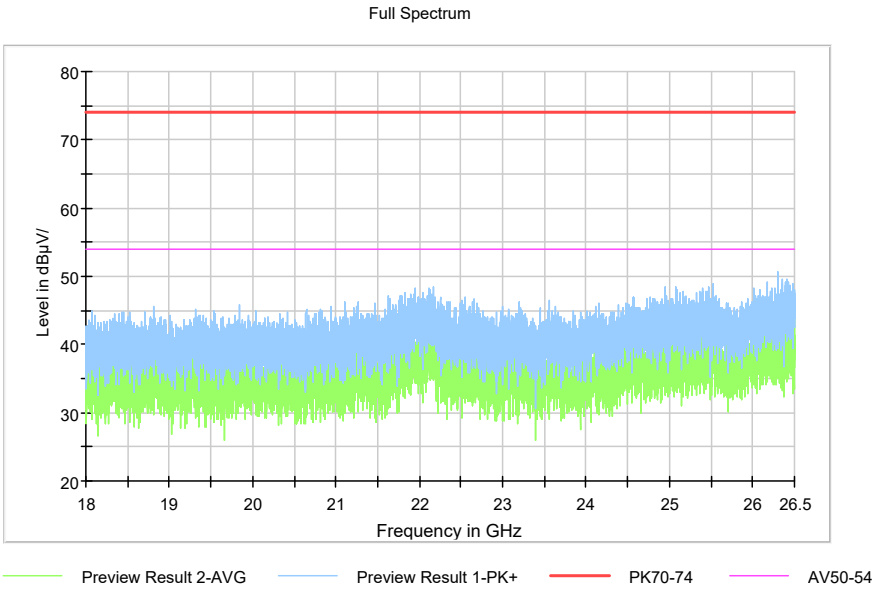
Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11 n(HT40)



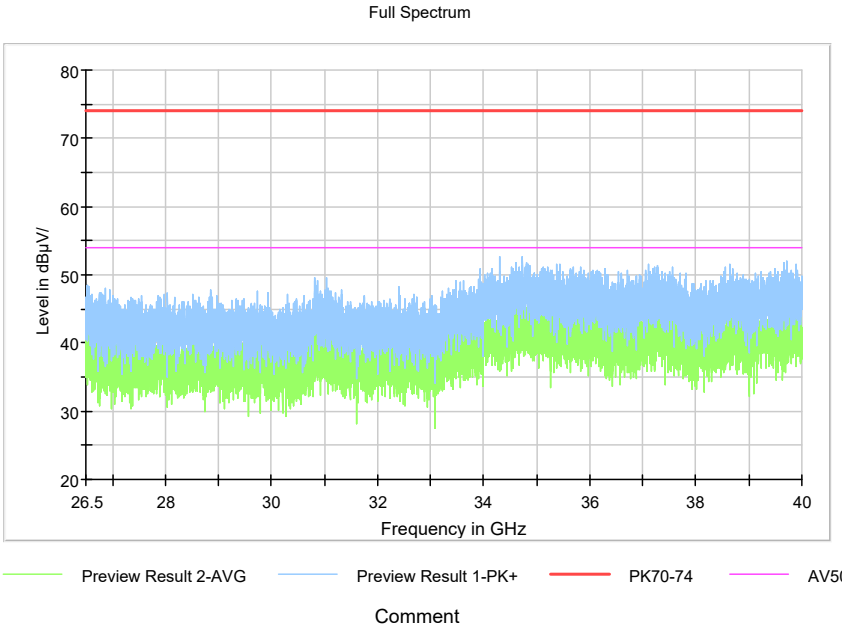
Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11 n(HT40)



Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11 n(HT40)

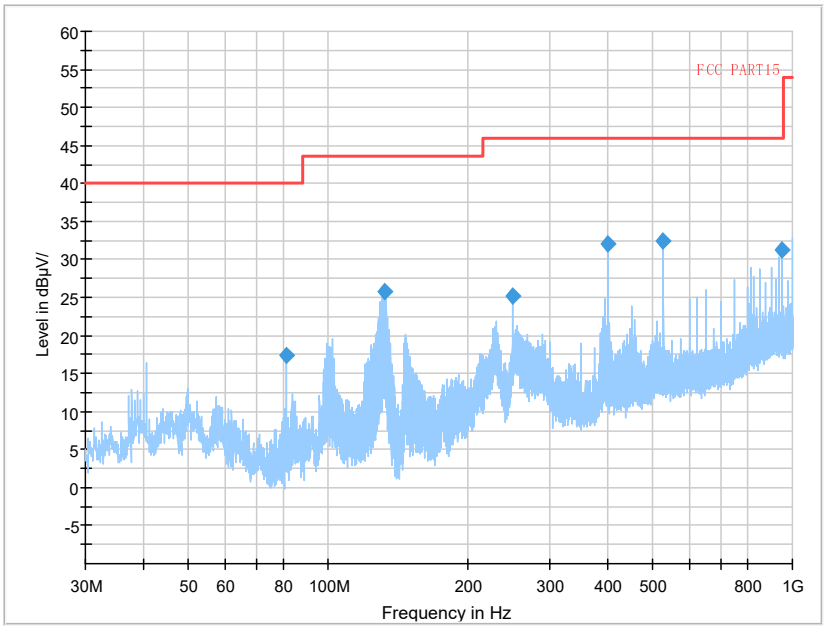


Frequency Range: 18GHz -26.5GHz
Detector: Av mode and PK mode
Modulation type: 802.11 n(HT40)

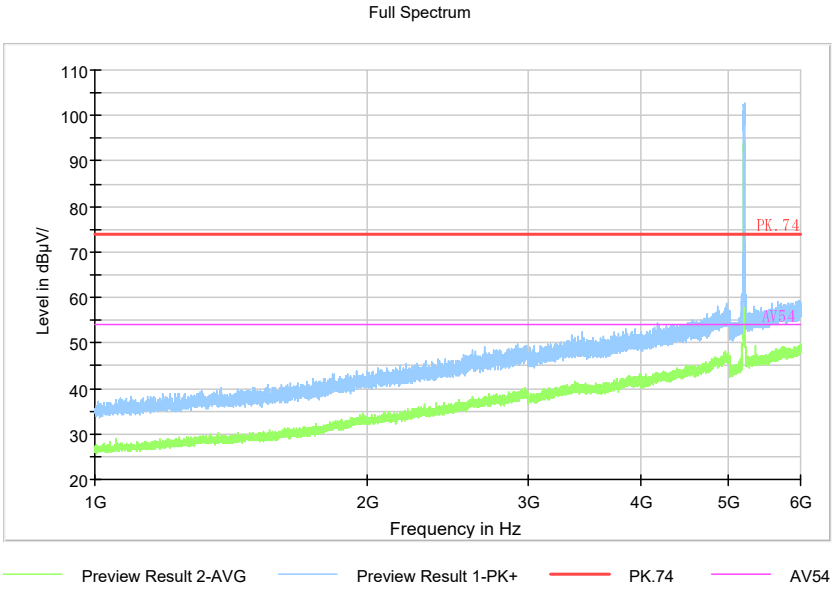


Frequency Range: 26.5GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)

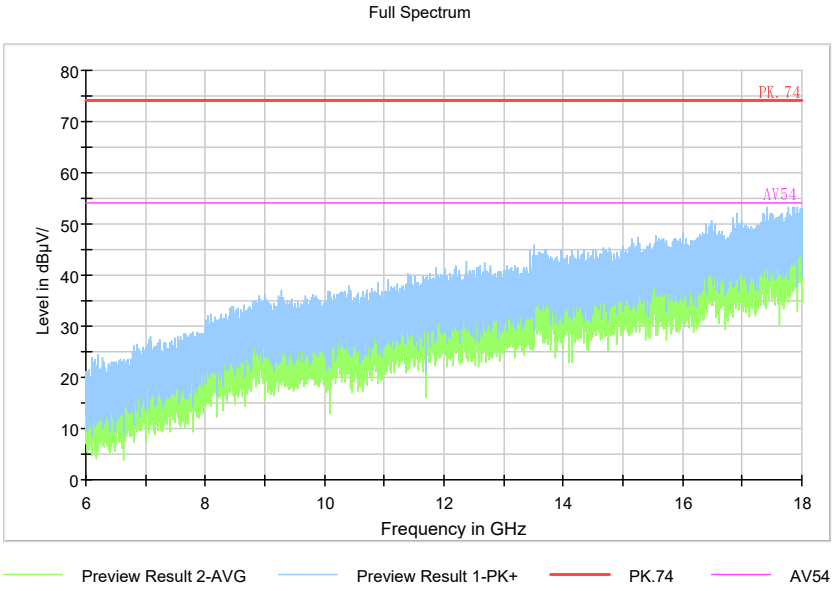
Carrier frequency (MHz): 5200
Channel No.:40



Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11 ac(HT20)



Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11 ac(HT20)



Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11 ac(HT20)