ACCREDITED
CERTIFICATE #5473.01

Test Report No.:
FCC2022-0033-3/R2

TEST REPORT

FCC ID		2AR82-SKIWB921AU1
Applicant	:	Guangzhou Shikun Electronics Co., Ltd
Product Name	:	Module
Mode No.	:	SKI.WB921AU.1

CVC Testing Technology Co., Ltd.

Applicant	**Name:** Guangzhou Shikun Electronics Co., Ltd **Address:** NO.6 Liankun Road,Huangpu District,Guangzhou,China
Manufacturer	**Name:** Guangzhou Shikun Electronics Co., Ltd **Address:** NO.6 Liankun Road,Huangpu District,Guangzhou,China
Equipment Under Test	**Product Name :** Module **Model No. :** SKI.WB921AU.1 **Trade mark :** / **Serial no. :** B4ADA3CE77D8 **Sampling :** —

Date of Receipt.	**2022.06.02**	Date of Testing	**2022.06.02~2022.08.26**

Test Specification	**Test Result**
FCC CFR47 Part 15E (2020) ANSI C63.10 (2013) KDB 789033 D02 General UNII Test Procedures New Rules v01r04 KDB 66911 D01 Multiple Transmitter Output v02r01	PASS

Evaluation of Test Result	The equipment under test was found to comply with the requirements of the standards applied. **Seal of CVC** **Issue Date: 2022.08.26**

Tested by:	Reviewed by:	Approved by:
Xu Zhenfei	**Liu YongHai**	**Chen HuaWen**

Other Aspects: NONE.

Abbreviations:OK, Pass= passed Fail = failed N/A= not applicable EUT= equipment, sample(s) under tested

This test report relates only to the EUT, and shall not be reproduced except in full, without written approval of **CVC**.
After this report is released, it will replace the report numbered FCC2022-0033-3/R1.

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1. General Product Information

1.1 General information

Product Name	Module	
Model No.	SKI.WB921AU.1	
Power Supply	DC 3.3V	
Serial Number(SN)	B4ADA3CE77D8	
Power Supply	Adapter	/
	Battery	/
Antenna Type	External antenna	
Antenna Gain	5.0 dBi (provided by client)	
Beamforming gain	0 dBi (provided by client)	
Frequency Range	U-NII-1: 5150-5250MHz U-NII-2A:5250-5350MHz U-NII-2C:5470-5725MHz(without 5600~5650MHz) U-NII-3: 5725-5850MHz	
Modulation Type	802.11a/n (HT20/HT40) : OFDM 802.11ac (VHT20/VHT40/VHT80): OFDM 802.11ax (HE20/HE40/HE80): OFDM	
Max. Conducted Power	U-NII-1: 16.90 dBm (Output Power) U-NII-2A: 17.30 dBm (Output Power) U-NII-2C: 17.50 dBm (Output Power) U-NII-3: 17.20 dBm (Output Power)	
TPC Function	☐Support ■Not support	
TDWR Band	☐Support ■Not support	
Operate Temp.Range	-40°C to +125°C	

Note：

1. The information of the EUT is declared by the manufacturer.
2. The laboratory is not responsible for the product technical specification provided by the client.
3. Note: This module (the module number is SKI.WB921AU.1) has passed the certification. The module plans to add four models of antennas, as shown in the table below. In the report, only the radiated emission is tested, and the antenna used is A100-0062. Other test items and test data will refer to the report of the module (FCC ID:2AR82-SKIWB921AU1)

Antennas	AG-011320-0679	3D0504BK07-001	SLK-KG-B3DBS-SMA(P)	A100-0062
Gain	4.5dBi	5.0dBi	3.3dBi	5.0dBi

2. Test Sites

2.1 Test Facilities

The tests and measurements refer to this report were performed by EMC testing Lab. of CVC Testing Technology Co., Ltd.

Add.: No.3, Tiantaiyi Road, Kaitai Avenue, Science City, Guangzhou,Guangdong,510663, People's Republic of China

Telephone : +86-20-32293888

Fax : +86-20-32293889

FCC(Test firm designation number：CN1282)

IC(Test firm CAB identifier number：CN0103)

2.2 Description of Non-standard Method and Deviations

The testing and measurement methods used in this report are applied by all standard methods. Not any non-standard method or deviation from the used standards was used.

2.3 List of Test and Measurement Instruments

Refer to **Appendix E**.

3. Test Configuration

3.1 Test Mode

The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

The radiated emission was measured in the following position: EUT stand-up position (Z axis), lie-down position (X, Y axis). The worst emission was found in lie-down position (X axis) and the worst case was recorded.

In order to find the worst case condition, Pre-tests are needed at the presence of different data rate. Preliminary tests have been done on all the configuration for confirming worst case. Data rate below means worst-case rate of each test item.

Worst-case data rates are shown as following table.

Test Mode	Antenna Delivery	Data Rate		
		Antenna 1	Antenna 2	MIMO
IEEE 802.11A TX mode	2TX / 2RX	6	6	/
IEEE 802.11N 20MHz TX mode	2TX / 2RX	MCS 0	MCS 0	MCS 8
IEEE 802.11N 40MHz TX mode	2TX / 2RX	MCS 0	MCS 0	MCS 8
IEEE 802.11AC 20MHz TX mode	2TX / 2RX	MCS 0	MCS 0	MCS 8
IEEE 802.11AC 40MHz TX mode	2TX / 2RX	MCS 0	MCS 0	MCS 8
IEEE 802.11AC 80MHz TX mode	2TX / 2RX	MCS 0	MCS 0	MCS 8
IEEE 802.11AX 20MHz TX mode	2TX / 2RX	MCS 0	MCS 0	MCS 8
IEEE 802.11AX 40MHz TX mode	2TX / 2RX	MCS 0	MCS 0	MCS 8
IEEE 802.11AX 80MHz TX mode	2TX / 2RX	MCS 0	MCS 0	MCS 8

4. Summary of measurement results

Summary of measurements of results	Clause in FCC rules	Verdict	Note
Unwanted Emissions	15.407(b)	PASS	/
Maximum conducted output power	15.407(a)	PASS	/
Dynamic Frequency Selection (DFS)	15.407(h)	N/A	Note1

Note1: This test is mainly to complete the antenna reporting, while the EUT is Client only device, no radar detection Capability. Changing the antenna will not affect the results, so there is no need to test.

5. Measurement procedure

5.1 Unwanted Emission

Ambient condition:

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Method of Measurement:

The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.

The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

The antenna height 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.

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 (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable was turned from 0 degrees to 360 degrees to find the maximum reading.

The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

Above 1GHz test procedure as below:

Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber and change form table 0.8 meter to 1.5 meter(Above 18GHz the distance is 1 meter and table is 1.5 meter)..

Test the EUT in the lowest channel ,the middle channel ,the Highest channel

The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is worse case.

Repeat above procedures until all frequencies measured was complete.

Limits:

1. For transmitters operating in the 5725-5850 MHz band: All emissions shall be limited to a level of −27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.
2. 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 e.i.r.p. of −27 dBm/MHz(68.2dBμV/m).
3. For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz(68.2dBμV/m).
4. For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz(68.2dBμV/m).

Note: the following formula is used to convert the EIRP to field strength

§1、E[dBμV/m] = EIRP[dBm] - 20 log(d[meters]) + 104.77, where E = field strength and

d = distance at which field strength limit is specified in the rules;

§2、E[dBμV/m] = EIRP[dBm] + 95.2, for d = 3 meters

5. Unwanted spurious emissions fallen in restricted bands per FCC Part15.205 shall comply with the general field strength limits set forth in § 15.209 as below table.

Frequency	Field strength (microvolt/meter)	Limit (dBμV/m)	Remark	Measurement distance (m)
30MHz-88MHz	100	40.0	Quasi-peak	3
88MHz-216MHz	150	43.5	Quasi-peak	3
216MHz-960MHz	200	46.0	Quasi-peak	3
960MHz-1GHz	500	54.0	Quasi-peak	3
Above 1GHz	500	54.0	Average	3

Measurement Data

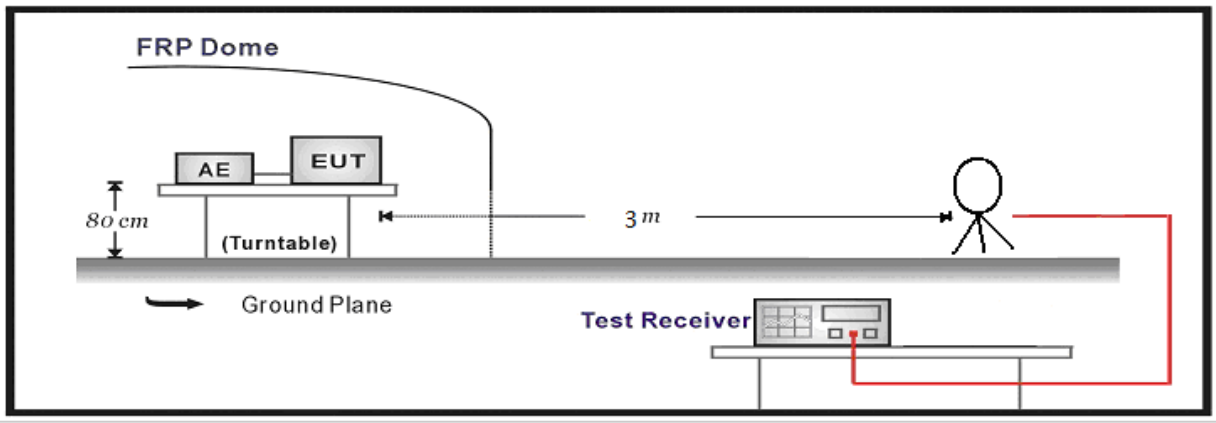
The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading - Correct Factor

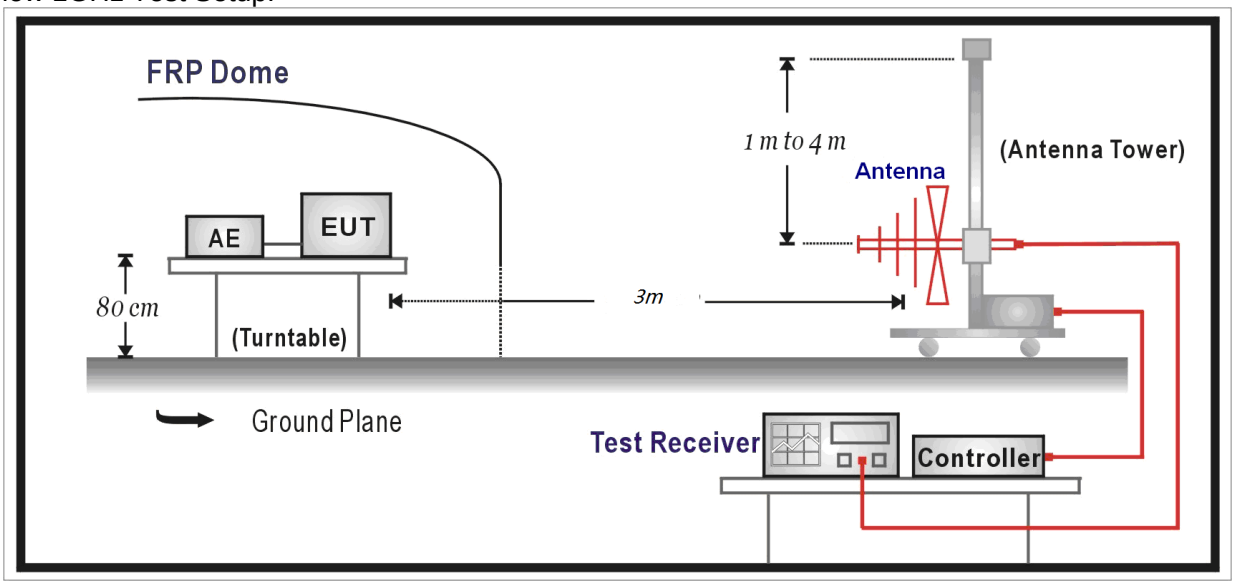
Correct Factor = Preamplifier Factor– Antenna Factor–Cable Factor

Test Setup:

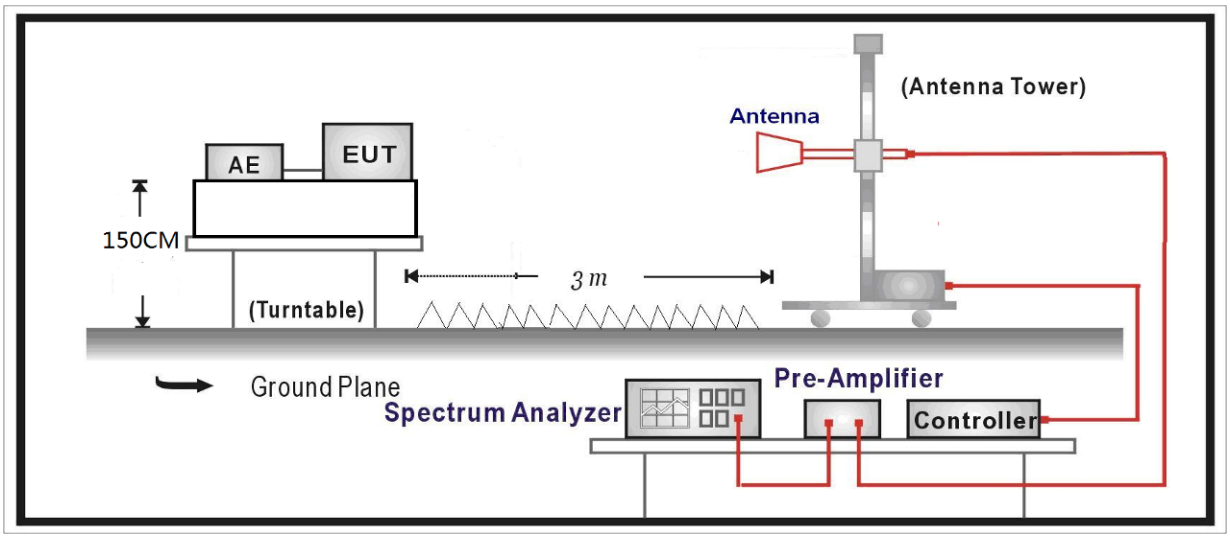
Below 30MHz Test Setup:



Below 1GHz Test Setup:



Above 1GHz Test Setup:



Measurement Uncertainty：

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor k = 1.96.

Frequency	Uncertainty
9KHz-30MHz	3.55 dB
30MHz-200MHz	4.19 dB
200MHz-1GHz	3.63 dB
1GHz-26.5G	3.68 dB
26.5G-40GHz	4.76dB

5.1.1 Band edge measurements (Radiates):

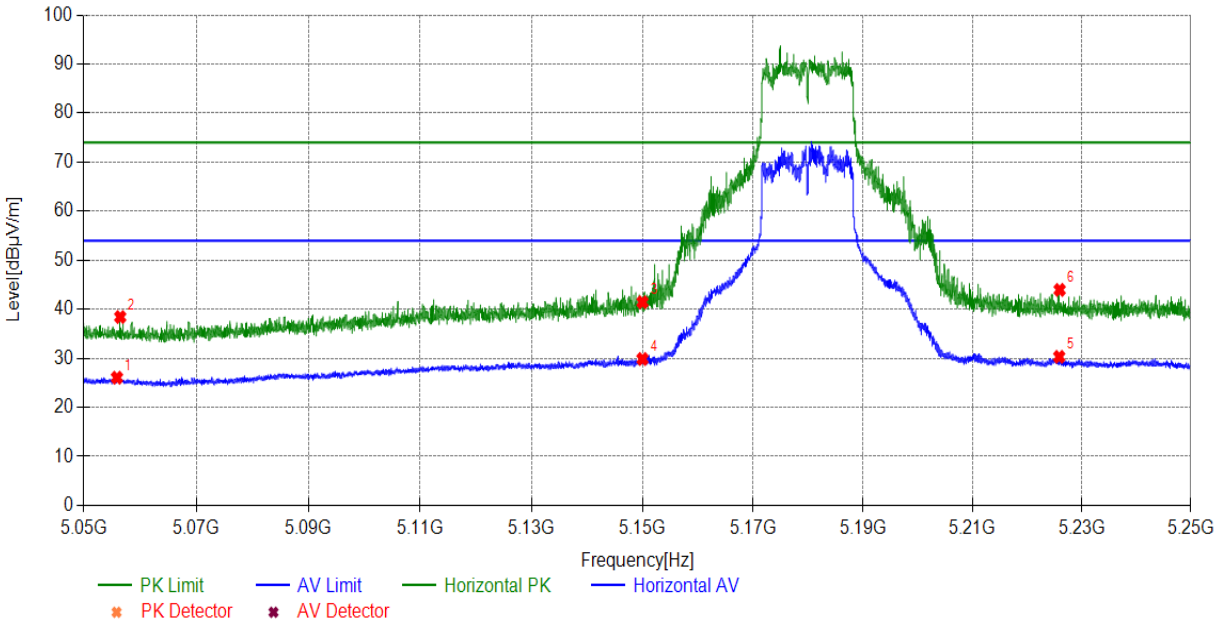
Test Results:

U-NII-1: 5150-5350MHz:

During the test, the Band Edge was performed in WIFI all modes with all channels and all antenna. 802.11ax20, MIMO are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

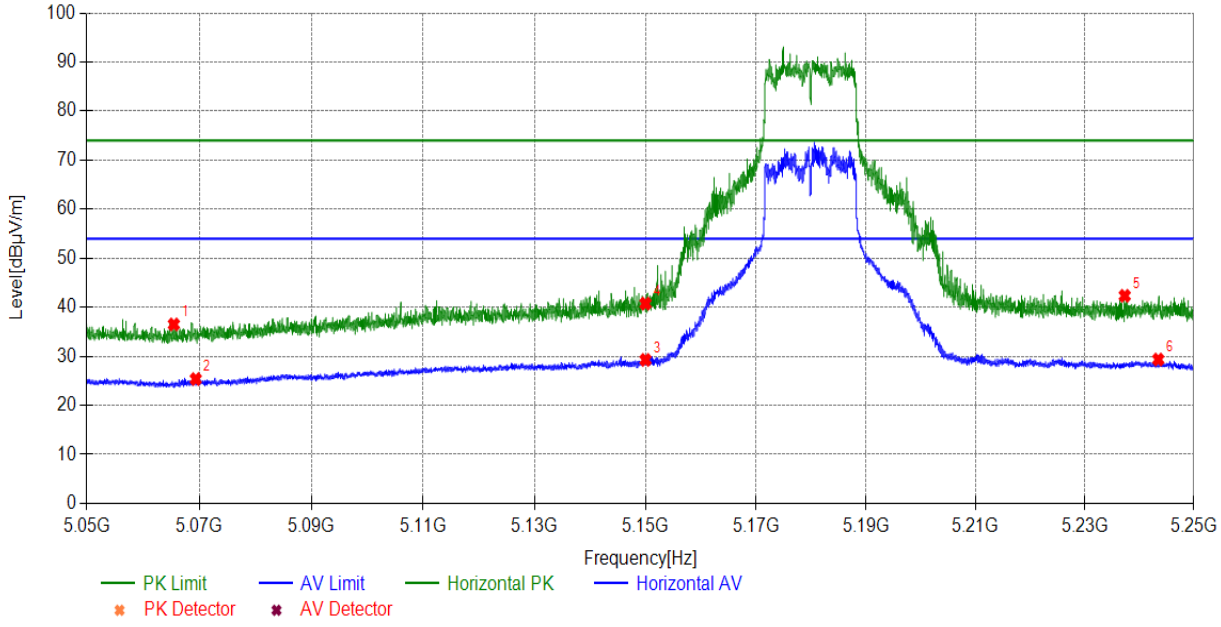
Test mode	802.11 AX HT 20MHz
Test channel	Low(L)

Suspected List										
Frequency [MHz]	Polarity	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/Fail
5225.93	Horizont	-5.61	49.56	43.95	74.00	30.05	PK	100	288	PASS
5056.50	Horizont	-5.58	44.00	38.42	74.00	35.58	PK	100	293	PASS
5150.01	Horizont	-5.59	47.03	41.44	74.00	32.56	PK	100	278	PASS
5150.01	Horizont	-5.59	35.45	29.86	54.00	24.14	AV	100	252	PASS
5225.85	Horizont	-5.61	35.91	30.30	54.00	23.70	AV	100	252	PASS
5055.92	Horizont	-5.58	31.62	26.04	54.00	27.96	AV	100	342	PASS



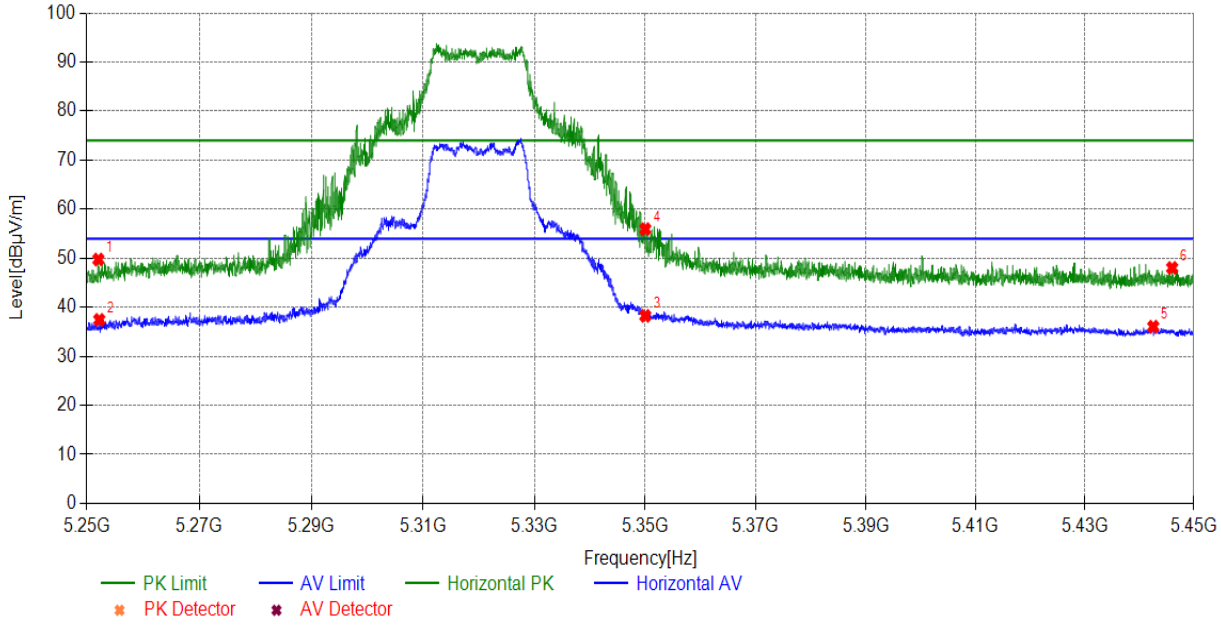
Test mode	802.11 AX HT 20MHz
Test channel	Low(L)

Suspected List										
Frequency [MHz]	Polarity	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/Fail
5065.50	Vertical	-5.58	42.08	36.50	74.00	37.50	PK	100	278	PASS
5150.01	Vertical	-5.59	46.33	40.74	74.00	33.26	PK	100	278	PASS
5237.33	Vertical	-5.61	47.95	42.34	74.00	31.66	PK	100	288	PASS
5069.38	Vertical	-5.58	30.93	25.35	54.00	28.65	AV	100	61	PASS
5243.49	Vertical	-5.61	34.95	29.34	54.00	24.66	AV	100	71	PASS
5150.01	Vertical	-5.59	34.85	29.26	54.00	24.74	AV	100	252	PASS



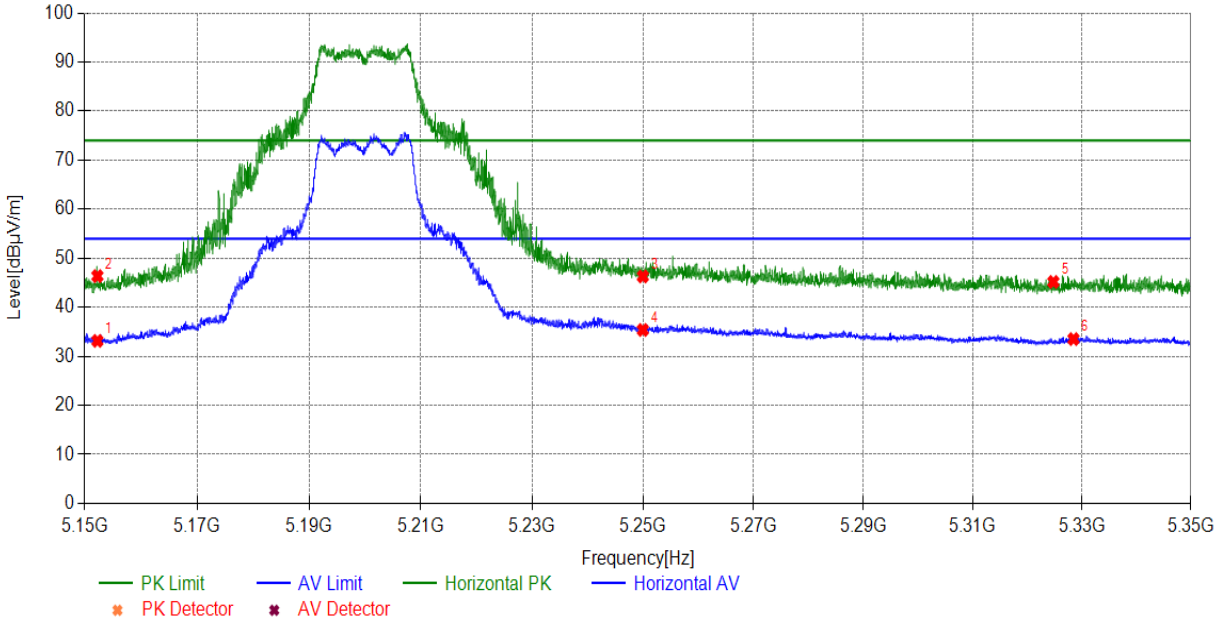
Test mode	802.11 AX HT 20MHz
Test channel	High(H)

Suspected List										
Frequency [MHz]	Polarity	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/Fail
5252.10	Horizont	-5.61	55.35	49.74	74.00	24.26	PK	100	337	PASS
5252.26	Horizont	-5.61	43.04	37.43	54.00	16.57	AV	100	10	PASS
5350.01	Horizont	-5.63	43.88	38.25	54.00	15.75	AV	100	26	PASS
5350.01	Horizont	-5.63	61.56	55.93	74.00	18.07	PK	100	21	PASS
5442.57	Horizont	-5.64	41.68	36.04	54.00	17.96	AV	100	35	PASS
5446.05	Horizont	-5.64	53.66	48.02	74.00	25.98	PK	100	35	PASS



Test mode	802.11 AX HT 20MHz
Test channel	High(H)

Suspected List										
Frequency [MHz]	Polarity	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/Fail
5276.40	Vertical	-5.61	56.04	50.43	74.00	23.57	PK	100	348	PASS
5277.58	Vertical	-5.61	43.56	37.95	54.00	16.05	AV	100	343	PASS
5350.01	Vertical	-5.63	59.92	54.29	74.00	19.71	PK	100	348	PASS
5350.01	Vertical	-5.63	43.73	38.10	54.00	15.90	AV	100	7	PASS
5381.89	Vertical	-5.63	54.86	49.23	74.00	24.77	PK	100	16	PASS
5381.97	Vertical	-5.63	42.02	36.39	54.00	17.61	AV	100	21	PASS

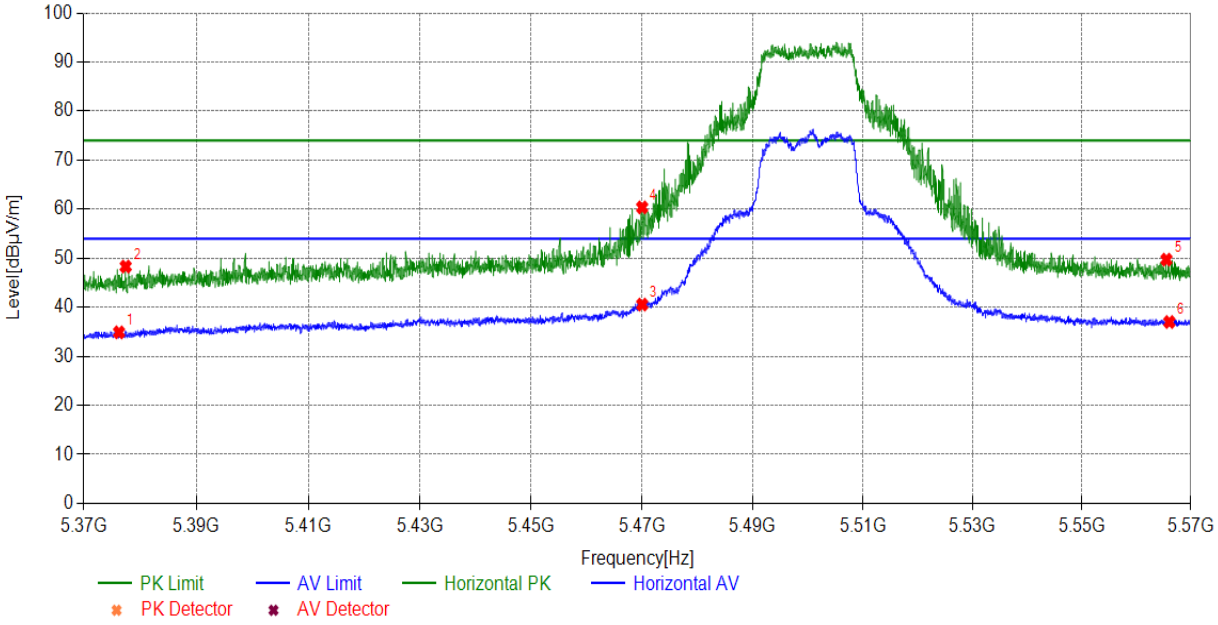


U-NII-2C:5470-5725MHz：

During the test, the Band Edge was performed in WIFI all modes with all channels and all antenna. 802.11ax20, MIMO are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

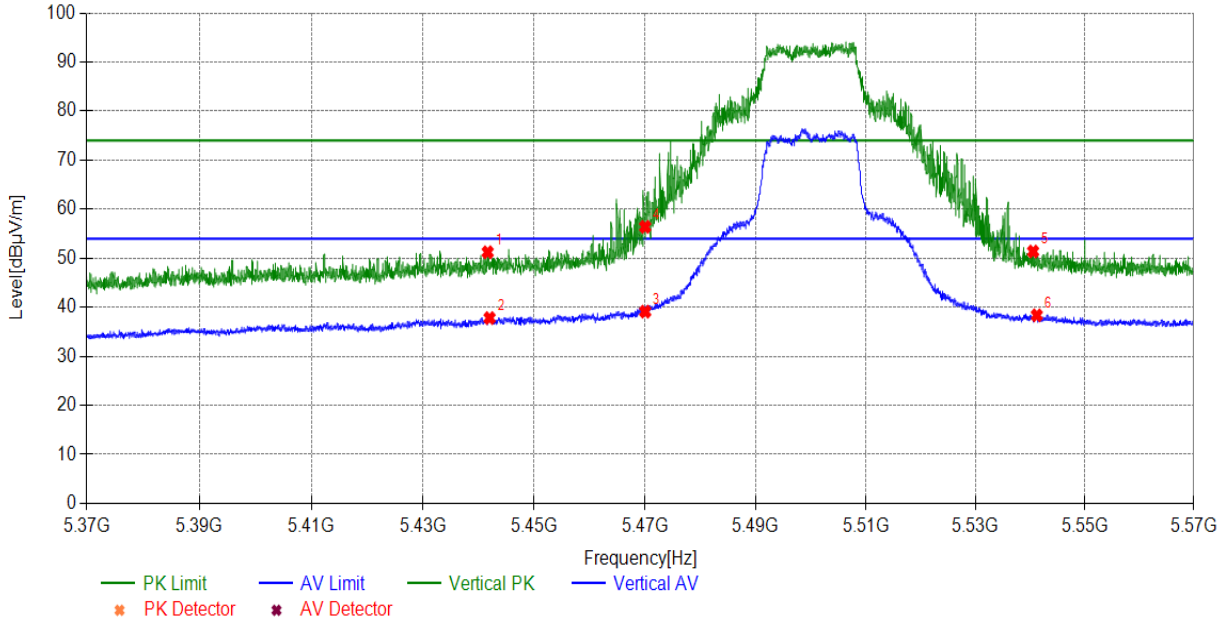
Test mode	802.11 AX HT 20MHz
Test channel	Low(L)

Suspected List										
Frequency [MHz]	Polarity	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/Fail
5376.30	Horizont	-5.63	40.51	34.88	54.00	19.12	AV	100	48	PASS
5377.48	Horizont	-5.63	53.93	48.30	74.00	25.70	PK	100	38	PASS
5470.01	Horizont	-5.65	46.20	40.55	54.00	13.45	AV	100	69	PASS
5470.01	Horizont	-5.65	66.01	60.36	74.00	13.64	PK	100	80	PASS
5565.55	Horizont	-5.44	55.15	49.71	74.00	24.29	PK	100	213	PASS
5566.09	Horizont	-5.43	42.42	36.99	54.00	17.01	AV	100	64	PASS



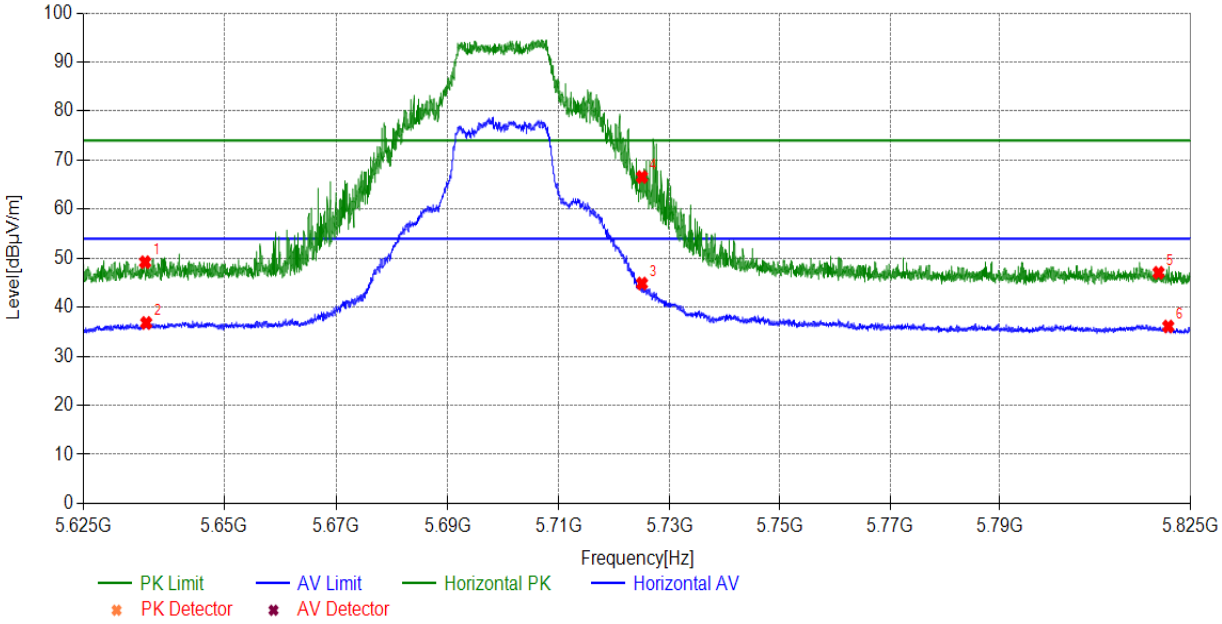
Test mode	802.11 AX HT 20MHz
Test channel	Low(L)

Suspected List										
Frequency [MHz]	Polarity	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/Fail
5441.62	Vertical	-5.64	56.86	51.22	74.00	22.78	PK	100	42	PASS
5441.96	Vertical	-5.64	43.44	37.80	54.00	16.20	AV	100	32	PASS
5470.01	Vertical	-5.65	44.76	39.11	54.00	14.89	AV	100	37	PASS
5470.01	Vertical	-5.65	62.05	56.40	74.00	17.60	PK	100	277	PASS
5540.55	Vertical	-5.52	56.89	51.37	74.00	22.63	PK	100	281	PASS
5541.23	Vertical	-5.52	43.88	38.36	54.00	15.64	AV	100	42	PASS



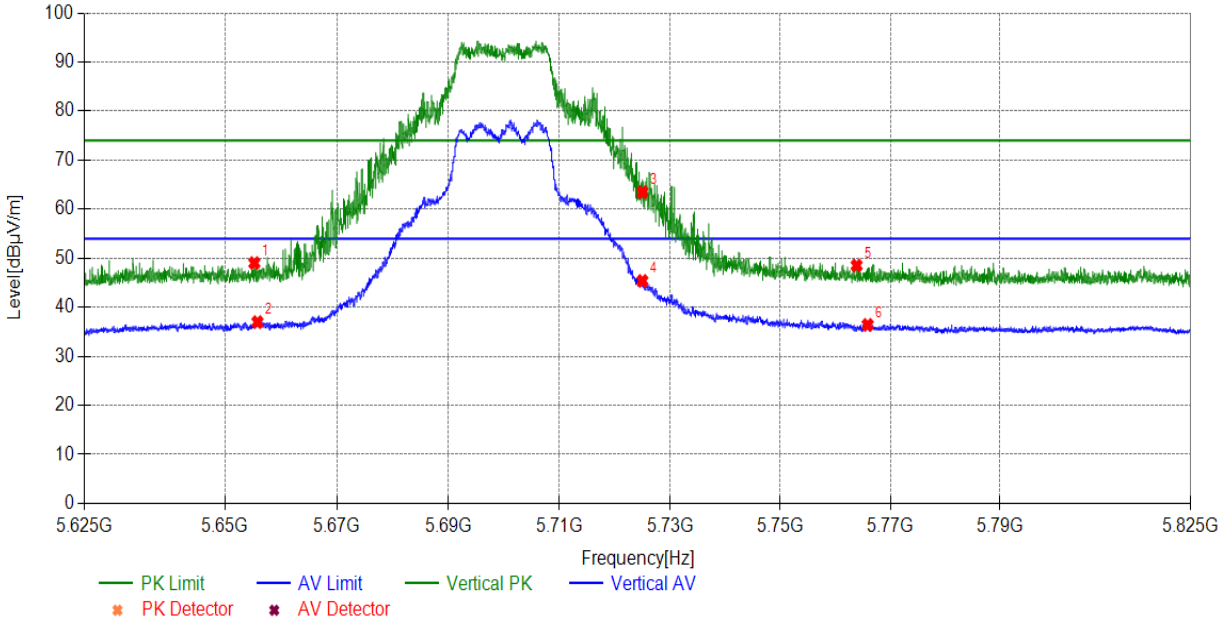
Test mode	802.11 AX HT 20MHz
Test channel	High(H)

Suspected List										
Frequency [MHz]	Polarity	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/Fail
5635.94	Horizont	-5.21	54.39	49.18	74.00	24.82	PK	100	306	PASS
5725.01	Horizont	-4.92	71.48	66.56	74.00	7.44	PK	100	275	PASS
5819.11	Horizont	-4.61	51.65	47.04	74.00	26.96	PK	100	158	PASS
5636.14	Horizont	-5.21	42.01	36.80	54.00	17.20	AV	100	275	PASS
5820.89	Horizont	-4.60	40.68	36.08	54.00	17.92	AV	100	190	PASS
5725.01	Horizont	-4.92	49.76	44.84	54.00	9.16	AV	100	275	PASS



Test mode	802.11 AX HT 20MHz
Test channel	High(H)

Suspected List										
Frequency [MHz]	Polarity	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/Fail
5655.26	Vertical	-5.14	54.15	49.01	74.00	24.99	PK	100	97	PASS
5655.82	Vertical	-5.14	42.11	36.97	54.00	17.03	AV	100	55	PASS
5725.01	Vertical	-4.92	68.38	63.46	74.00	10.54	PK	100	12	PASS
5725.01	Vertical	-4.92	50.29	45.37	54.00	8.63	AV	100	17	PASS
5763.87	Vertical	-4.79	53.30	48.51	74.00	25.49	PK	100	22	PASS
5765.89	Vertical	-4.78	41.18	36.40	54.00	17.60	AV	100	34	PASS

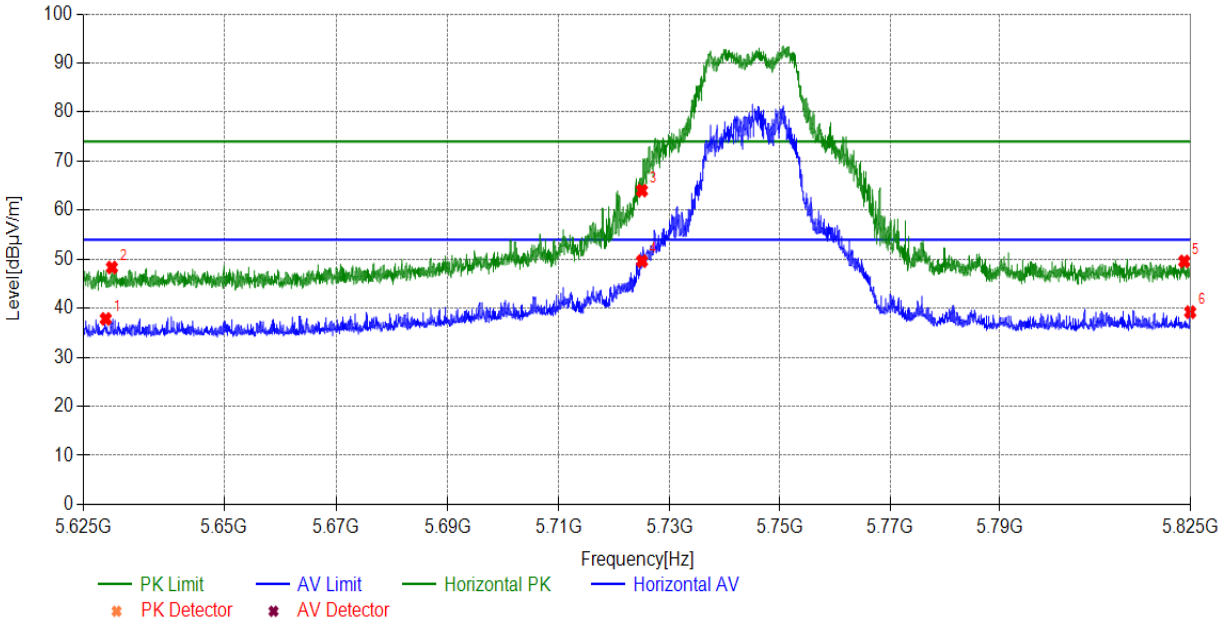


U-NII-3 5725-5850MHz：

During the test, the Band Edge was performed in WIFI all modes with all channels and all antenna. 802.11ax20, MIMO are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

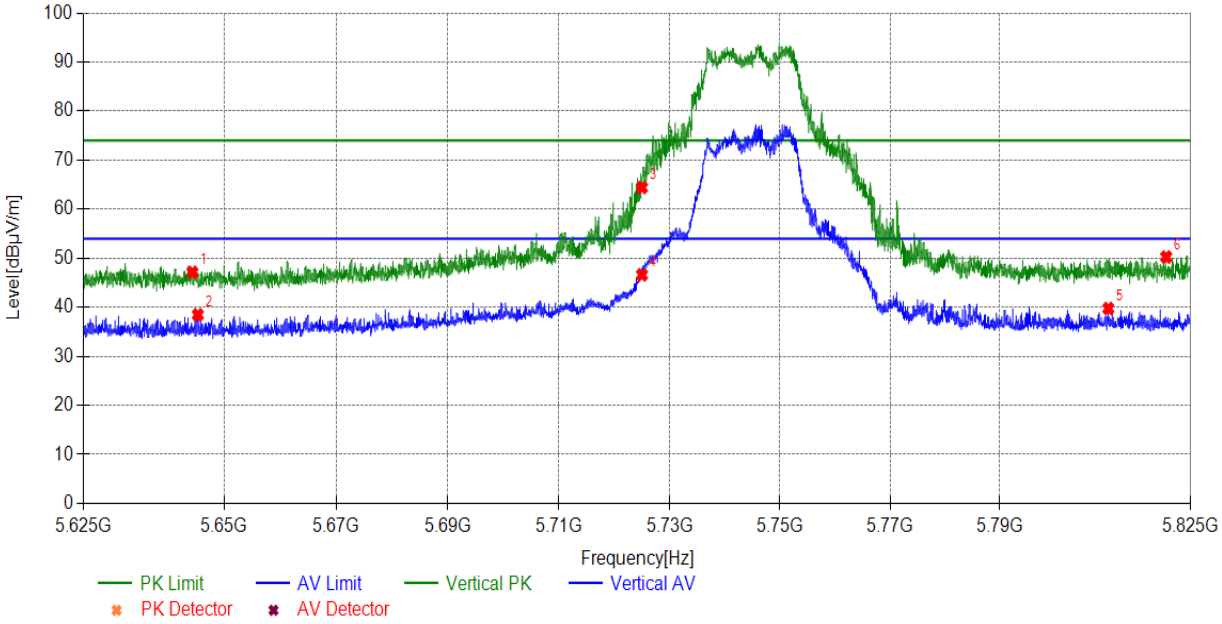
Test mode	802.11 AX HT 20MHz
Test channel	Low(L)

Suspected List										
Frequency [MHz]	Polarity	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/Fail
5725.01	Horizont	-4.92	68.92	64.00	74.00	10.00	PK	100	70	PASS
5630.04	Horizont	-5.23	53.54	48.31	74.00	25.69	PK	100	20	PASS
5823.83	Horizont	-4.59	54.15	49.56	74.00	24.44	PK	100	80	PASS
5824.94	Horizont	-4.59	43.80	39.21	54.00	14.79	AV	100	10	PASS
5725.01	Horizont	-4.92	54.53	49.61	54.00	4.39	AV	100	20	PASS
5628.94	Horizont	-5.23	43.06	37.83	54.00	16.17	AV	100	10	PASS



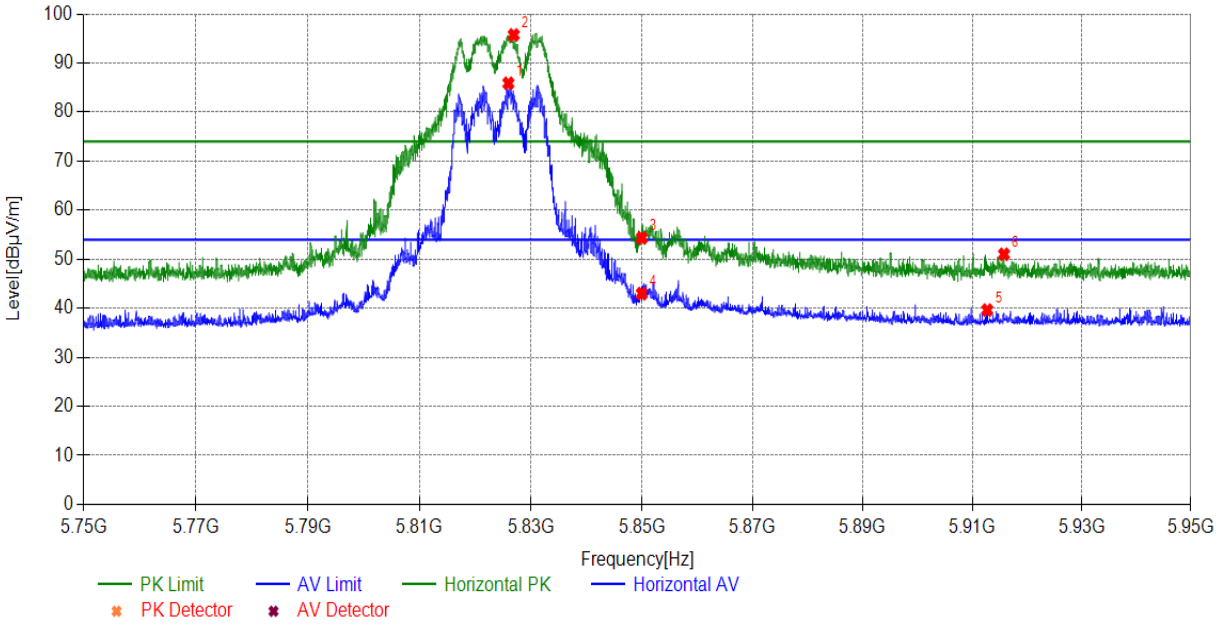
Test mode	802.11 AX HT 20MHz
Test channel	Low(L)

Suspected List										
Frequency [MHz]	Polarity	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/Fail
5820.51	Vertical	-4.61	54.85	50.24	74.00	23.76	PK	100	100	PASS
5644.36	Vertical	-5.18	52.31	47.13	74.00	26.87	PK	100	20	PASS
5725.01	Vertical	-4.92	69.33	64.41	74.00	9.59	PK	100	90	PASS
5725.01	Vertical	-4.92	51.52	46.60	54.00	7.40	AV	100	90	PASS
5809.89	Vertical	-4.64	44.38	39.74	54.00	14.26	AV	100	10	PASS
5645.32	Vertical	-5.18	43.64	38.46	54.00	15.54	AV	100	10	PASS



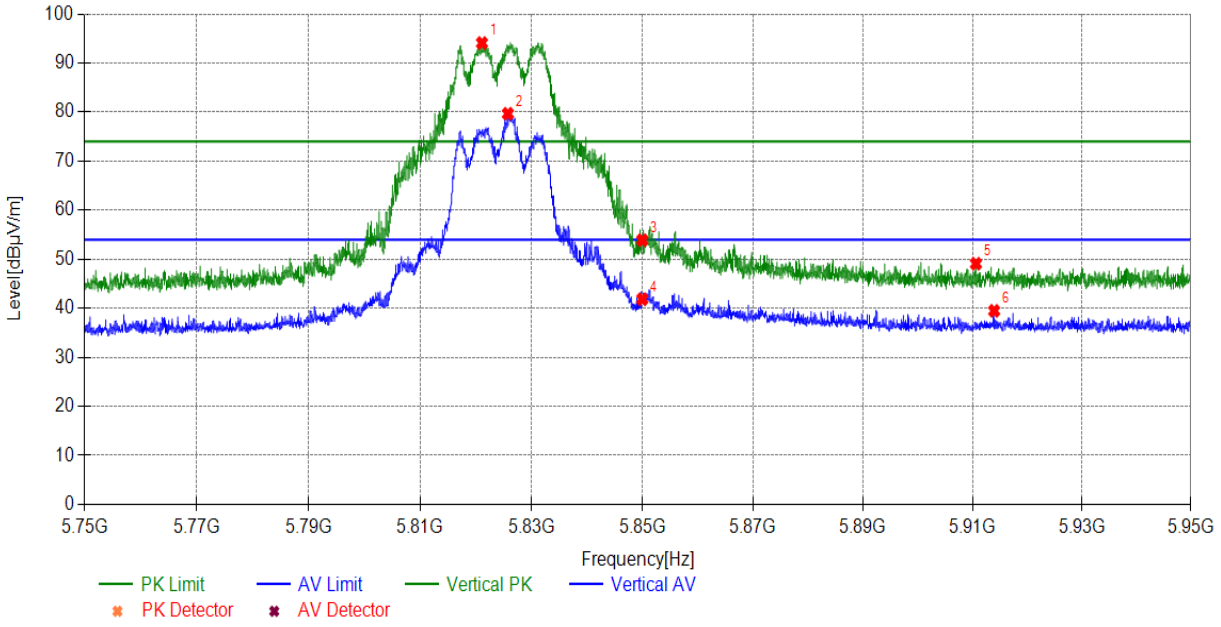
Test mode	802.11 AX HT 20MHz
Test channel	High(H)

Suspected List										
Frequency [MHz]	Polarity	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/Fail
5915.81	Horizont	-4.29	55.30	51.01	74.00	22.99	PK	100	30	PASS
5850.01	Horizont	-4.51	58.84	54.33	74.00	19.67	PK	100	120	PASS
5850.01	Horizont	-4.51	47.50	42.99	54.00	11.01	AV	100	10	PASS
5912.75	Horizont	-4.30	43.92	39.62	54.00	14.38	AV	100	10	PASS



Test mode	802.11 AX HT 20MHz
Test channel	High(H)

Suspected List										
Frequency [MHz]	Polarity	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/Fail
5850.01	Vertical	-4.51	58.39	53.88	74.00	20.12	PK	100	100	PASS
5910.65	Vertical	-4.31	53.39	49.08	74.00	24.92	PK	100	120	PASS
5850.01	Vertical	-4.51	46.35	41.84	54.00	12.16	AV	100	110	PASS
5913.97	Vertical	-4.30	43.77	39.47	54.00	14.53	AV	100	10	PASS



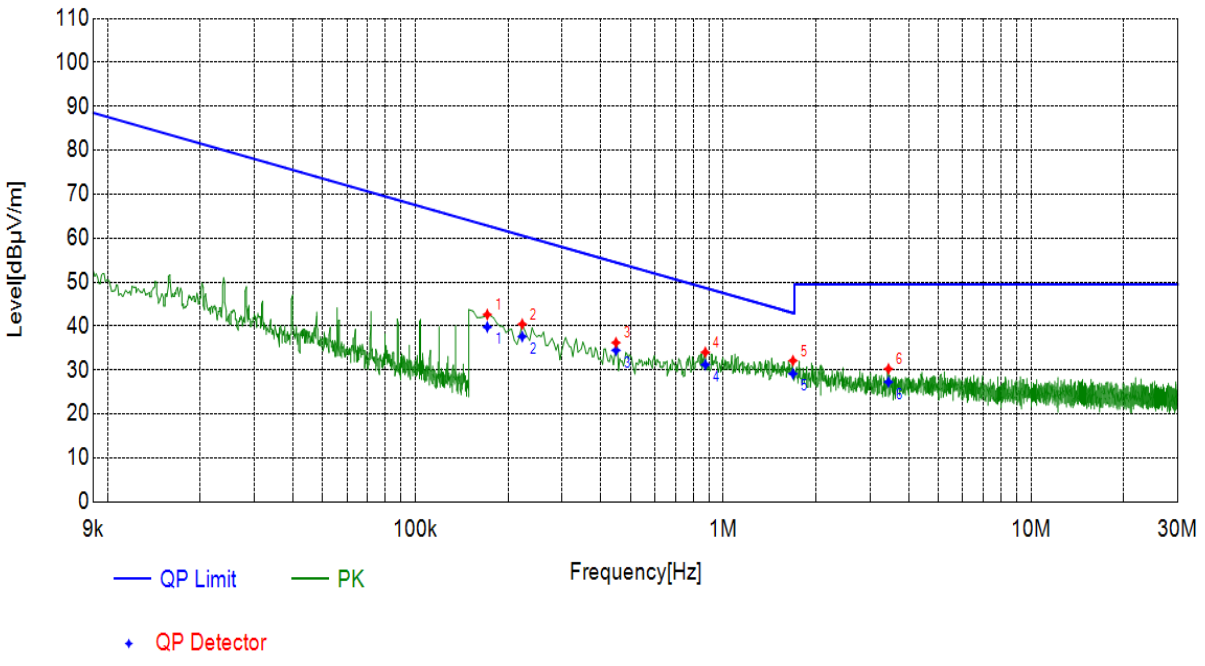
5.1.2 SPURIOUS EMISSIONS:

5.1.2.1 Below 30M:

During the test, the Radiates Emission from 9KHz to 30MHz was performed in all modes with all channels and all antenna, 802.11ax20, Channel 36, MIMO are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

Radiated Emission	9KHz-30MHz
Polarity	X axis
Test channel	Worst-Case

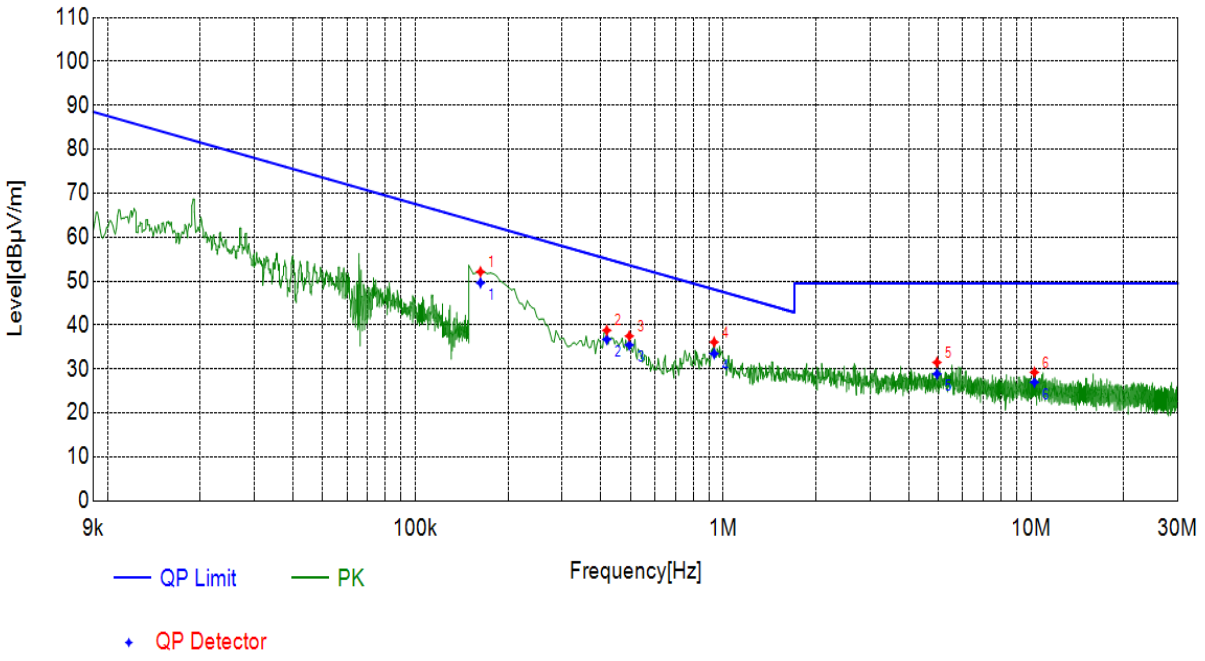
Final Data List								
Frequency [MHz]	Polarity	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Pass/Fail
0.1713	X axis	20.40	39.78	62.85	23.07	100	150	PASS
0.2225	X axis	20.37	37.61	60.57	22.96	100	90	PASS
0.4485	X axis	20.41	34.47	54.47	20.00	100	250	PASS
0.8750	X axis	20.59	31.21	48.68	17.47	100	320	PASS
1.6854	X axis	20.73	29.14	43.00	13.86	100	40	PASS
3.4425	X axis	20.99	27.26	49.50	22.24	100	0	PASS



Radiated Emission	9KHz-30MHz
Polarity	Y axis
Test channel	Worst-Case

Final Data List

Frequency [MHz]	Polarity	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Pass/Fail
0.1628	Y axis	20.41	49.61	63.29	13.68	100	270	PASS
0.4187	Y axis	20.32	36.75	55.07	18.32	100	300	PASS
0.4955	Y axis	20.56	35.47	53.60	18.13	100	320	PASS
0.9347	Y axis	20.56	33.49	48.11	14.62	100	90	PASS
4.9480	Y axis	21.13	28.87	49.50	20.63	100	270	PASS
10.2578	Y axis	20.95	26.98	49.50	22.52	100	230	PASS



5.1.2.2 30MHz~1GHz:

During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes with all channels and all antenna, 802.11ax20, Channel 36, MIMO are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

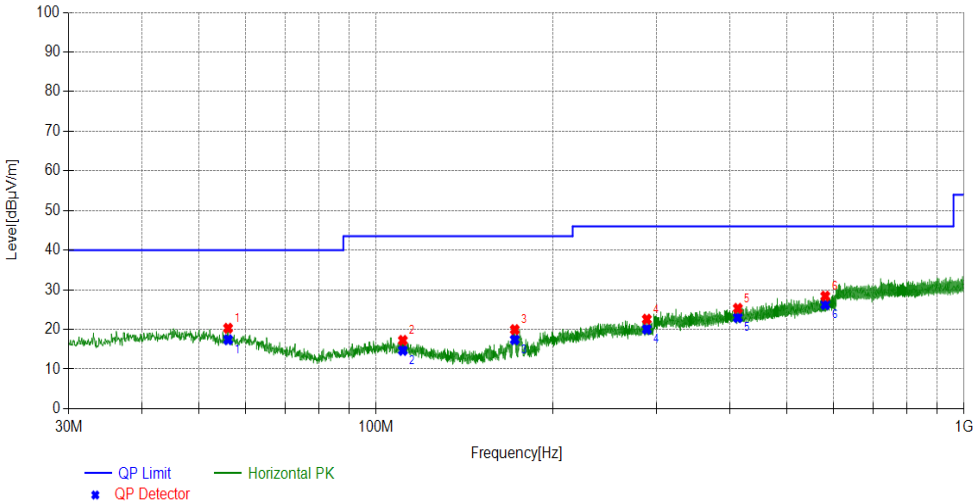
Test mode	802.11ax20
Test channel	Worst-Case Low(L)

Suspected List

Frequency [MHz]	Polarity	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/Fail
56.0204	Horizontal	13.82	6.47	20.29	40.00	19.71	PK	100	12	PASS
111.0854	Horizontal	12.33	4.89	17.22	43.52	26.30	PK	100	254	PASS
172.1990	Horizontal	10.65	9.29	19.94	43.52	23.58	PK	100	289	PASS
288.8340	Horizontal	15.24	7.33	22.57	46.02	23.45	PK	100	185	PASS
412.5449	Horizontal	17.49	7.81	25.30	46.02	20.72	PK	100	220	PASS
581.0495	Horizontal	20.59	7.79	28.38	46.02	17.64	PK	100	220	PASS

Final Data List

Frequency [MHz]	Polarity	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Pass/Fail
56.0204	Horizontal	13.82	17.41	40.00	22.59	102	12	PASS
111.0854	Horizontal	12.33	14.70	43.52	28.82	106	254	PASS
172.1990	Horizontal	10.65	17.42	43.52	26.10	111	289	PASS
288.8340	Horizontal	15.24	20.05	46.02	25.97	132	185	PASS
412.5449	Horizontal	17.49	22.97	46.02	23.05	125	220	PASS
581.0495	Horizontal	20.59	26.25	46.02	19.77	100	220	PASS



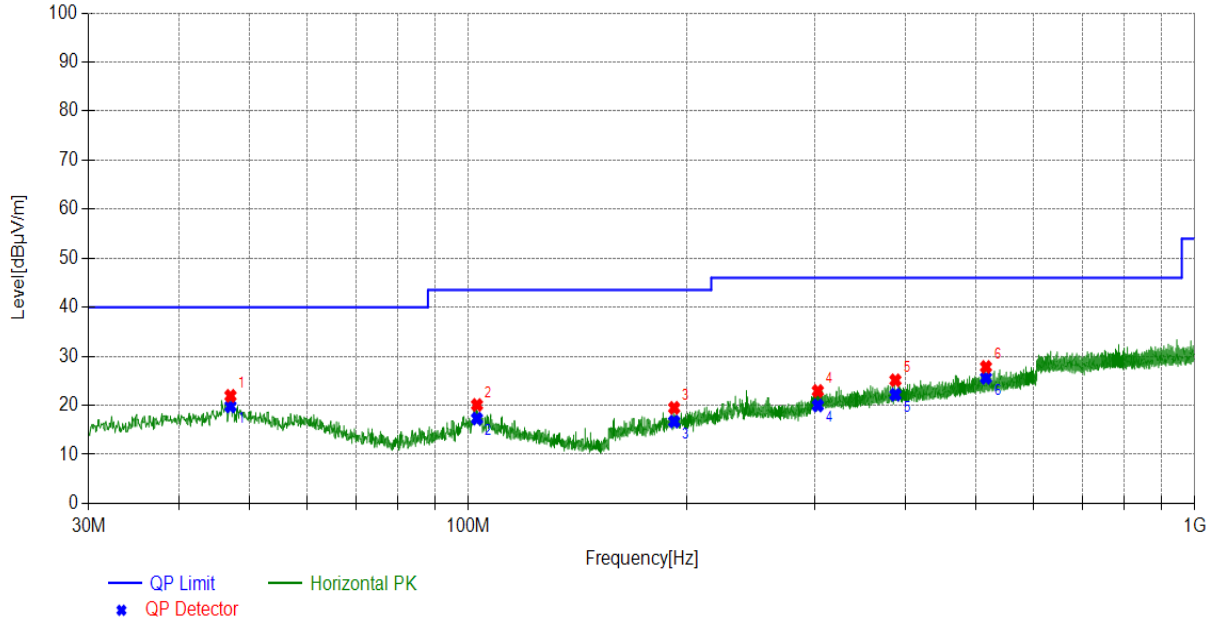
Test mode	802.11ax20
Test channel	Worst-Case Low(L)

Suspected List

Frequency [MHz]	Polarity	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/Fail
47.0616	Vertical	14.36	7.57	21.93	40.00	18.07	PK	100	332	PASS
102.8113	Vertical	12.43	7.65	20.08	43.52	23.44	PK	100	211	PASS
192.0566	Vertical	12.19	7.29	19.48	43.52	24.04	PK	100	228	PASS
302.8713	Vertical	15.38	7.54	22.92	46.02	23.10	PK	100	55	PASS
387.3234	Vertical	17.02	8.09	25.11	46.02	20.91	PK	100	211	PASS
516.1127	Vertical	19.48	8.35	27.83	46.02	18.19	PK	100	55	PASS

Final Data List

Frequency [MHz]	Polarity	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Pass/Fail
47.0616	Vertical	14.36	19.78	40.00	20.22	110	332	PASS
102.8113	Vertical	12.43	17.29	43.52	26.23	101	211	PASS
192.0566	Vertical	12.19	16.69	43.52	26.83	105	228	PASS
302.8713	Vertical	15.38	19.97	46.02	26.05	154	55	PASS
387.3234	Vertical	17.02	22.16	46.02	23.86	122	211	PASS
516.1127	Vertical	19.48	25.60	46.02	20.42	132	55	PASS



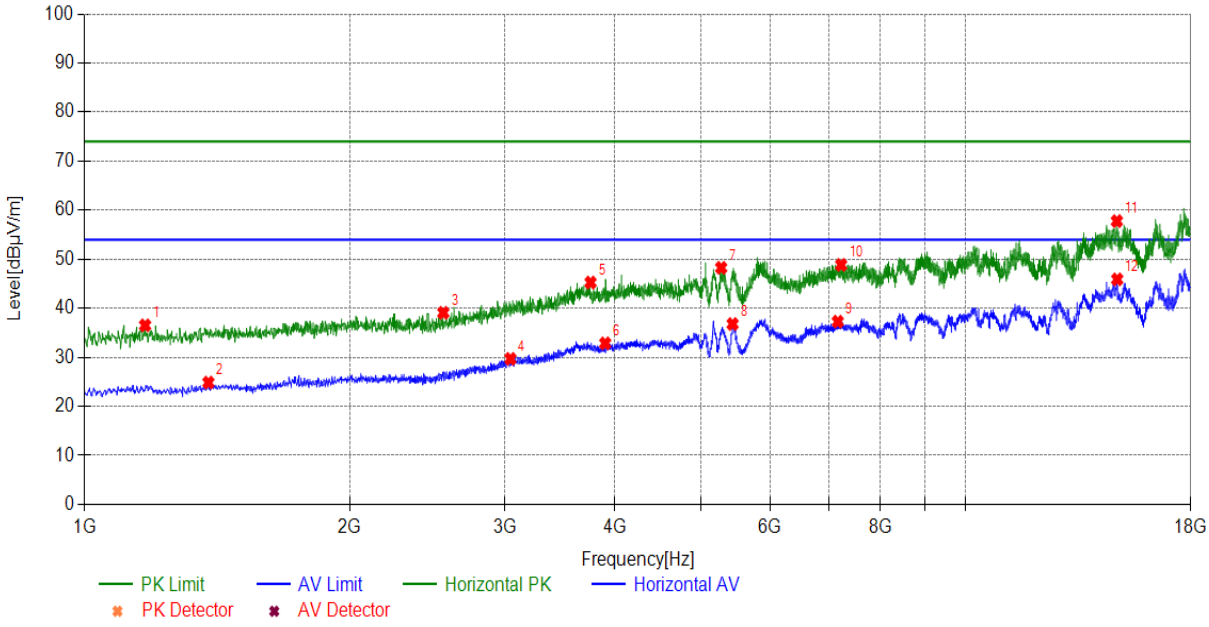
5.1.2.3 Above 1GHz:

5.1.2.3.1 U-NII-1:

During the test, the Radiates Emission from 1GHz to 40GHz was performed in all modes with all channels and all antenna, 802.11ax20, Channel 36, MIMO are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

Test mode	802.11ax (HE20)(1G~18G)
Test channel	Worst-Case Low(L)

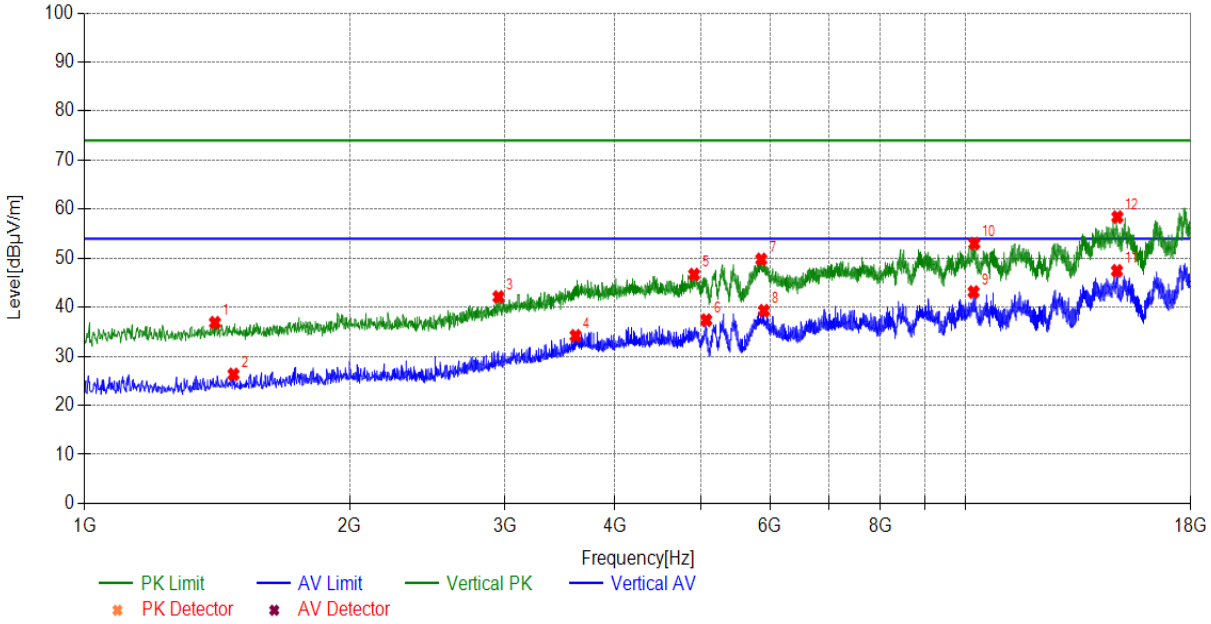
Suspected List										
Frequency [MHz]	Polarity	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/Fail
1171.71	Horizont	-15.95	52.46	36.51	74.00	37.49	PK	100	328	PASS
1382.53	Horizont	-15.58	40.42	24.84	54.00	29.16	AV	100	348	PASS
2553.95	Horizont	-12.58	51.65	39.07	74.00	34.93	PK	100	348	PASS
3043.60	Horizont	-10.05	39.73	29.68	54.00	24.32	AV	100	348	PASS
3752.57	Horizont	-7.00	52.24	45.24	74.00	28.76	PK	100	328	PASS
3898.78	Horizont	-6.73	39.57	32.84	54.00	21.16	AV	100	348	PASS
5279.32	Horizont	-5.61	53.86	48.25	74.00	25.75	PK	100	284	PASS
5439.14	Horizont	-5.64	42.43	36.79	54.00	17.21	AV	100	348	PASS
7159.71	Horizont	-1.14	38.40	37.26	54.00	16.74	AV	100	343	PASS
7222.62	Horizont	-0.99	49.83	48.84	74.00	25.16	PK	100	323	PASS
14844.4	Horizont	8.63	49.14	57.77	74.00	16.23	PK	100	328	PASS
14858.0	Horizont	8.63	37.26	45.89	54.00	8.11	AV	100	348	PASS



Test mode	802.11ax (HE20)(1G~18G)
Test channel	Worst-Case Low(L)

Suspected List

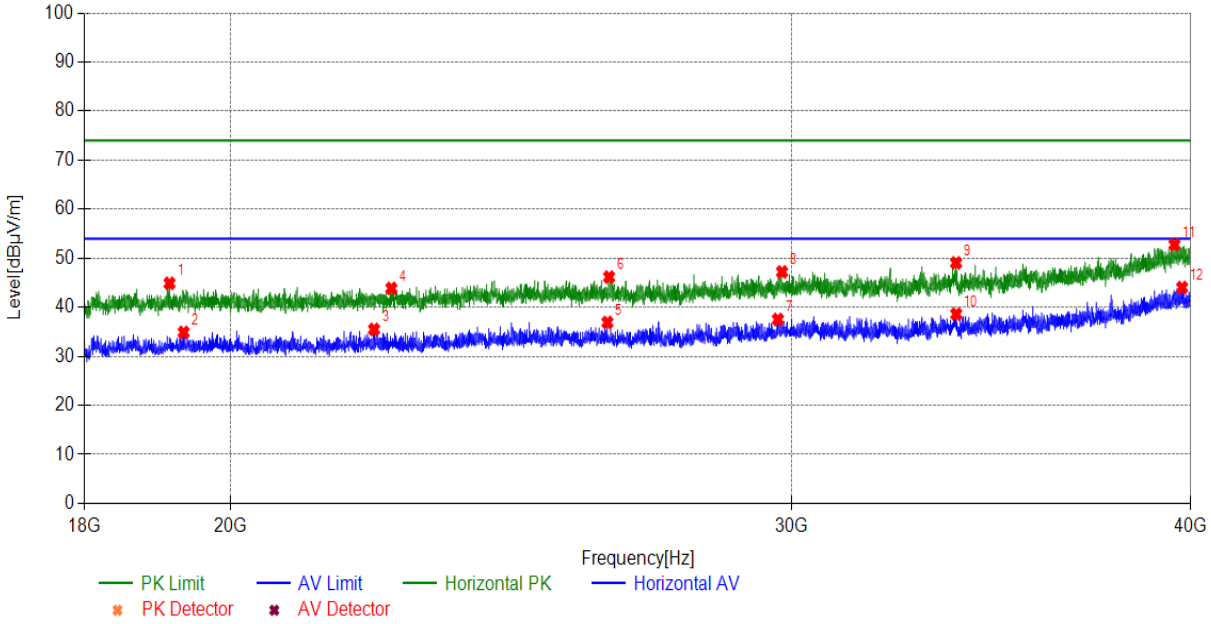
Frequency [MHz]	Polarity	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/Fail
1406.34	Vertical	-15.54	52.39	36.85	74.00	37.15	PK	100	220	PASS
1476.04	Vertical	-15.42	41.73	26.31	54.00	27.69	AV	100	10	PASS
2950.09	Vertical	-10.56	52.65	42.09	74.00	31.91	PK	100	40	PASS
3608.06	Vertical	-7.26	41.44	34.18	54.00	19.82	AV	100	10	PASS
4918.89	Vertical	-5.67	52.34	46.67	74.00	27.33	PK	100	40	PASS
5077.00	Vertical	-5.58	42.95	37.37	54.00	16.63	AV	100	10	PASS
5862.48	Vertical	-4.47	54.23	49.76	74.00	24.24	PK	100	80	PASS
5903.29	Vertical	-4.34	43.64	39.30	54.00	14.70	AV	100	10	PASS
10209.8	Vertical	4.10	39.01	43.11	54.00	10.89	AV	100	10	PASS
10228.5	Vertical	4.15	48.84	52.99	74.00	21.01	PK	100	30	PASS
14849.5	Vertical	8.63	38.79	47.42	54.00	6.58	AV	100	10	PASS
14864.8	Vertical	8.63	49.76	58.39	74.00	15.61	PK	100	230	PASS



Test mode	802.11ax (HE20)(18G~40G)
Test channel	Worst-Case Low(L)

Suspected List

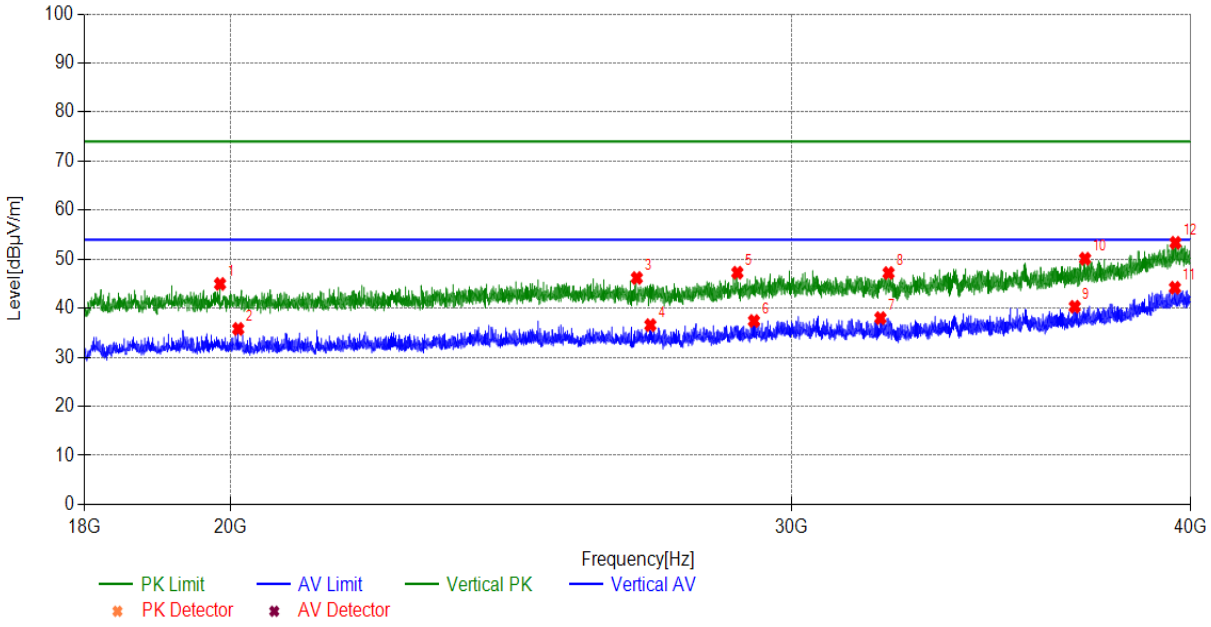
Frequency [MHz]	Polarity	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/Fail
19139.7	Horizont	1.34	43.55	44.89	74.00	29.11	PK	100	90	PASS
26288.2	Horizont	4.62	41.54	46.16	74.00	27.84	PK	100	50	PASS
39537.9	Horizont	10.78	41.97	52.75	74.00	21.25	PK	100	30	PASS
29782.1	Horizont	6.55	40.66	47.21	74.00	26.79	PK	100	20	PASS
33768.9	Horizont	6.53	42.52	49.05	74.00	24.95	PK	100	20	PASS
22464.2	Horizont	2.36	41.49	43.85	74.00	30.15	PK	100	90	PASS
26255.2	Horizont	4.60	32.30	36.90	54.00	17.10	AV	100	10	PASS
19335.5	Horizont	1.33	33.55	34.88	54.00	19.12	AV	100	10	PASS
22184.8	Horizont	2.08	33.39	35.47	54.00	18.53	AV	100	10	PASS
29694.1	Horizont	6.49	31.01	37.50	54.00	16.50	AV	100	10	PASS
33773.3	Horizont	6.53	32.07	38.60	54.00	15.40	AV	100	10	PASS
39753.5	Horizont	10.79	33.22	44.01	54.00	9.99	AV	100	10	PASS



Test mode	802.11ax (HE20)(18G~40G)
Test channel	Worst-Case Low(L)

Suspected List

Frequency [MHz]	Polarity	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/Fail
39564.3	Vertical	10.78	42.57	53.35	74.00	20.65	PK	100	50	PASS
37064.9	Vertical	7.93	42.16	50.09	74.00	23.91	PK	100	120	PASS
19850.3	Vertical	1.31	43.64	44.95	74.00	29.05	PK	100	120	PASS
32162.8	Vertical	5.97	41.22	47.19	74.00	26.81	PK	100	20	PASS
28838.2	Vertical	5.90	41.35	47.25	74.00	26.75	PK	100	70	PASS
26818.4	Vertical	4.83	41.34	46.17	74.00	27.83	PK	100	70	PASS
39548.9	Vertical	10.78	33.39	44.17	54.00	9.83	AV	100	10	PASS
20112.2	Vertical	1.34	34.44	35.78	54.00	18.22	AV	100	10	PASS
27082.5	Vertical	4.94	31.62	36.56	54.00	17.44	AV	100	10	PASS
36789.8	Vertical	7.72	32.59	40.31	54.00	13.69	AV	100	10	PASS
31975.7	Vertical	5.91	32.08	37.99	54.00	16.01	AV	100	10	PASS
29185.9	Vertical	6.13	31.27	37.40	54.00	16.60	AV	100	10	PASS



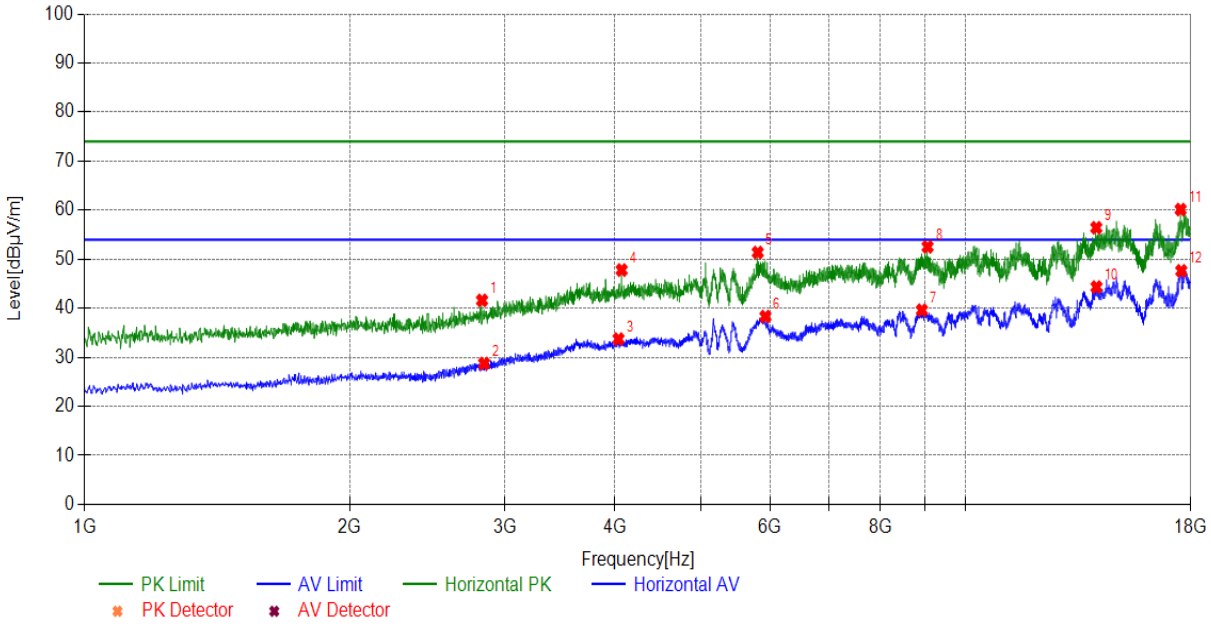
5.1.2.3.2 U-NII-2A:

During the test, the Radiates Emission from 1GHz to 40GHz was performed in all modes with all channels and all antenna, 802.11ax20, Channel 52, MIMO are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

Test mode	802.11ax (HE20)(1G~18G)
Test channel	Worst-Case Low(L)

Suspected List

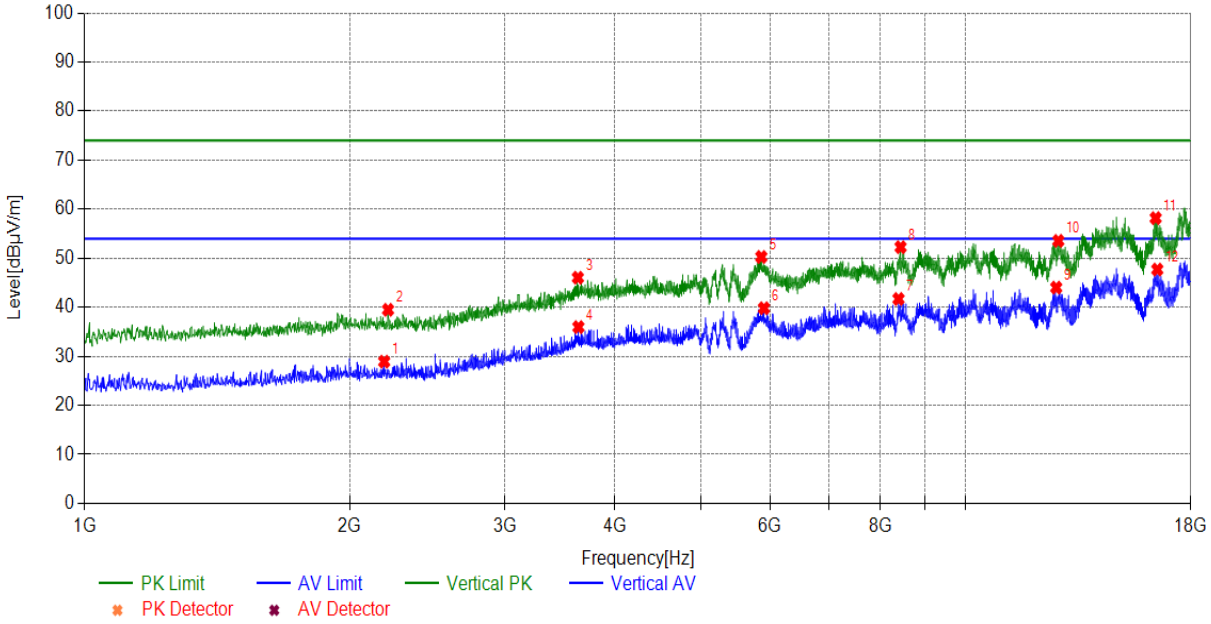
Frequency [MHz]	Polarity	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/Fail
2825.98	Horizont	-11.19	52.80	41.61	74.00	32.39	PK	100	348	PASS
2841.28	Horizont	-11.11	39.84	28.73	54.00	25.27	AV	100	348	PASS
4036.50	Horizont	-6.52	40.24	33.72	54.00	20.28	AV	100	348	PASS
4070.50	Horizont	-6.50	54.29	47.79	74.00	26.21	PK	100	348	PASS
5808.08	Horizont	-4.65	56.02	51.37	74.00	22.63	PK	100	348	PASS
5925.39	Horizont	-4.26	42.57	38.31	54.00	15.69	AV	100	343	PASS
8919.39	Horizont	1.29	38.31	39.60	54.00	14.40	AV	100	343	PASS
9052.00	Horizont	1.65	50.86	52.51	74.00	21.49	PK	100	279	PASS
14067.5	Horizont	7.30	49.12	56.42	74.00	17.58	PK	100	308	PASS
14074.3	Horizont	7.32	37.01	44.33	54.00	9.67	AV	100	343	PASS
17535.8	Horizont	13.05	47.08	60.13	74.00	13.87	PK	100	279	PASS
17566.4	Horizont	13.20	34.42	47.62	54.00	6.38	AV	100	348	PASS



Test mode	802.11ax (HE20)(1G~18G)
Test channel	Worst-Case Low(L)

Suspected List

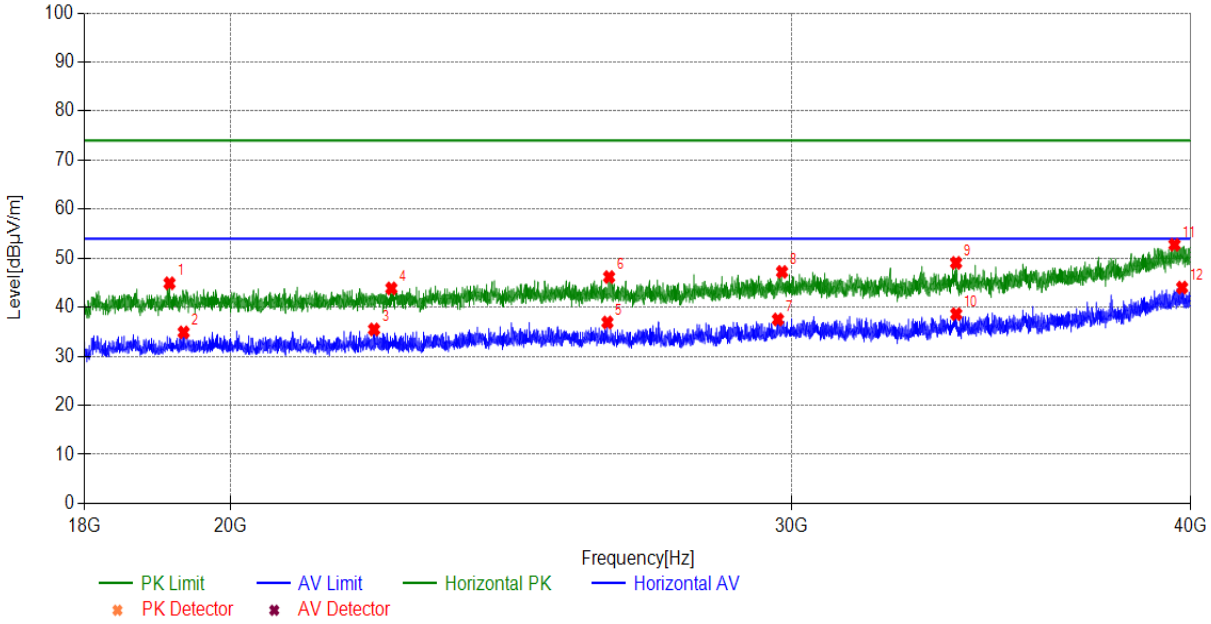
Frequency [MHz]	Polarity	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/Fail
2188.41	Vertical	-13.53	42.44	28.91	54.00	25.09	AV	100	10	PASS
2210.52	Vertical	-13.48	52.96	39.48	74.00	34.52	PK	100	50	PASS
3630.16	Vertical	-7.22	53.25	46.03	74.00	27.97	PK	100	210	PASS
3635.26	Vertical	-7.21	43.16	35.95	54.00	18.05	AV	100	10	PASS
5862.48	Vertical	-4.47	54.73	50.26	74.00	23.74	PK	100	80	PASS
5903.29	Vertical	-4.34	44.14	39.80	54.00	14.20	AV	100	10	PASS
8390.63	Vertical	-0.02	41.71	41.69	54.00	12.31	AV	100	10	PASS
8436.54	Vertical	0.00	52.26	52.26	74.00	21.74	PK	100	240	PASS
12669.9	Vertical	4.76	39.25	44.01	54.00	9.99	AV	100	10	PASS
12739.6	Vertical	4.88	48.66	53.54	74.00	20.46	PK	100	210	PASS
16429.0	Vertical	8.74	49.44	58.18	74.00	15.82	PK	100	220	PASS
16498.7	Vertical	8.95	38.74	47.69	54.00	6.31	AV	100	10	PASS



Test mode	802.11ax (HE20)(18G~40G)
Test channel	Worst-Case Low(L)

Suspected List

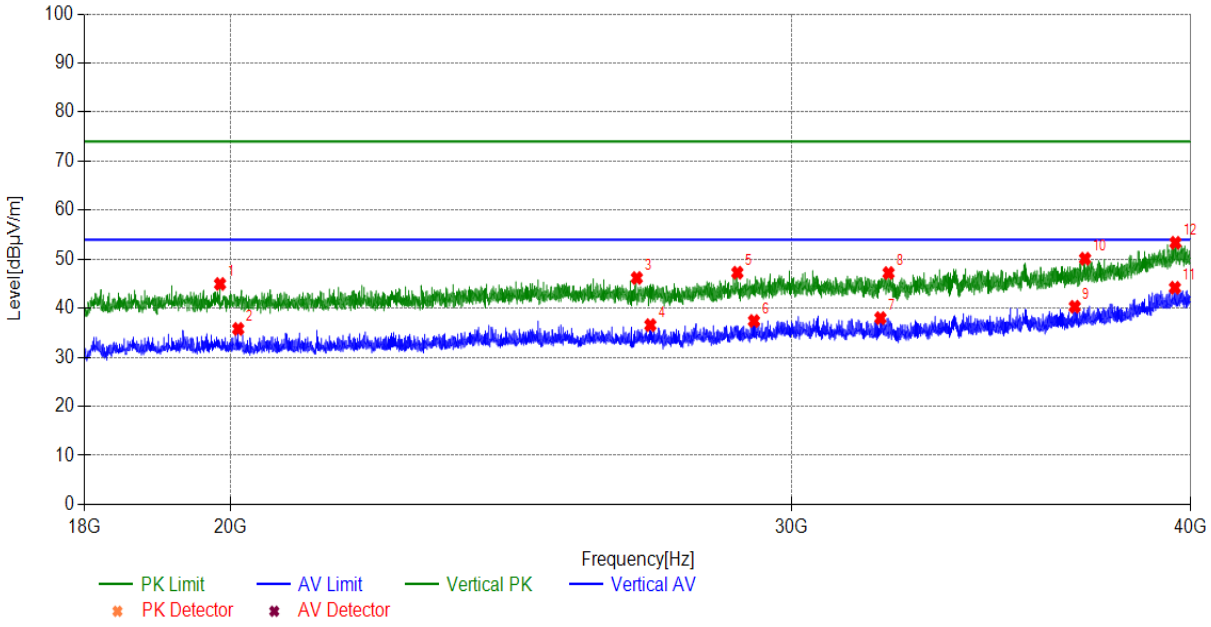
Frequency [MHz]	Polarity	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/Fail
19139.7	Horizont	1.34	43.55	44.89	74.00	29.11	PK	100	90	PASS
26288.2	Horizont	4.62	41.54	46.16	74.00	27.84	PK	100	50	PASS
39537.9	Horizont	10.78	41.97	52.75	74.00	21.25	PK	100	30	PASS
29782.1	Horizont	6.55	40.66	47.21	74.00	26.79	PK	100	20	PASS
33768.9	Horizont	6.53	42.52	49.05	74.00	24.95	PK	100	20	PASS
22464.2	Horizont	2.36	41.49	43.85	74.00	30.15	PK	100	90	PASS
26255.2	Horizont	4.60	32.30	36.90	54.00	17.10	AV	100	10	PASS
19335.5	Horizont	1.33	33.55	34.88	54.00	19.12	AV	100	10	PASS
22184.8	Horizont	2.08	33.39	35.47	54.00	18.53	AV	100	10	PASS
29694.1	Horizont	6.49	31.01	37.50	54.00	16.50	AV	100	10	PASS
33773.3	Horizont	6.53	32.07	38.60	54.00	15.40	AV	100	10	PASS
39753.5	Horizont	10.79	33.22	44.01	54.00	9.99	AV	100	10	PASS



Test mode	802.11ax (HE20)(18G~40G)
Test channel	Worst-Case Low(L)

Suspected List

Frequency [MHz]	Polarity	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/Fail
39564.3	Vertical	10.78	42.57	53.35	74.00	20.65	PK	100	50	PASS
37064.9	Vertical	7.93	42.16	50.09	74.00	23.91	PK	100	120	PASS
19850.3	Vertical	1.31	43.64	44.95	74.00	29.05	PK	100	120	PASS
32162.8	Vertical	5.97	41.22	47.19	74.00	26.81	PK	100	20	PASS
28838.2	Vertical	5.90	41.35	47.25	74.00	26.75	PK	100	70	PASS
26818.4	Vertical	4.83	41.34	46.17	74.00	27.83	PK	100	70	PASS
39548.9	Vertical	10.78	33.39	44.17	54.00	9.83	AV	100	10	PASS
20112.2	Vertical	1.34	34.44	35.78	54.00	18.22	AV	100	10	PASS
27082.5	Vertical	4.94	31.62	36.56	54.00	17.44	AV	100	10	PASS
36789.8	Vertical	7.72	32.59	40.31	54.00	13.69	AV	100	10	PASS
31975.7	Vertical	5.91	32.08	37.99	54.00	16.01	AV	100	10	PASS
29185.9	Vertical	6.13	31.27	37.40	54.00	16.60	AV	100	10	PASS



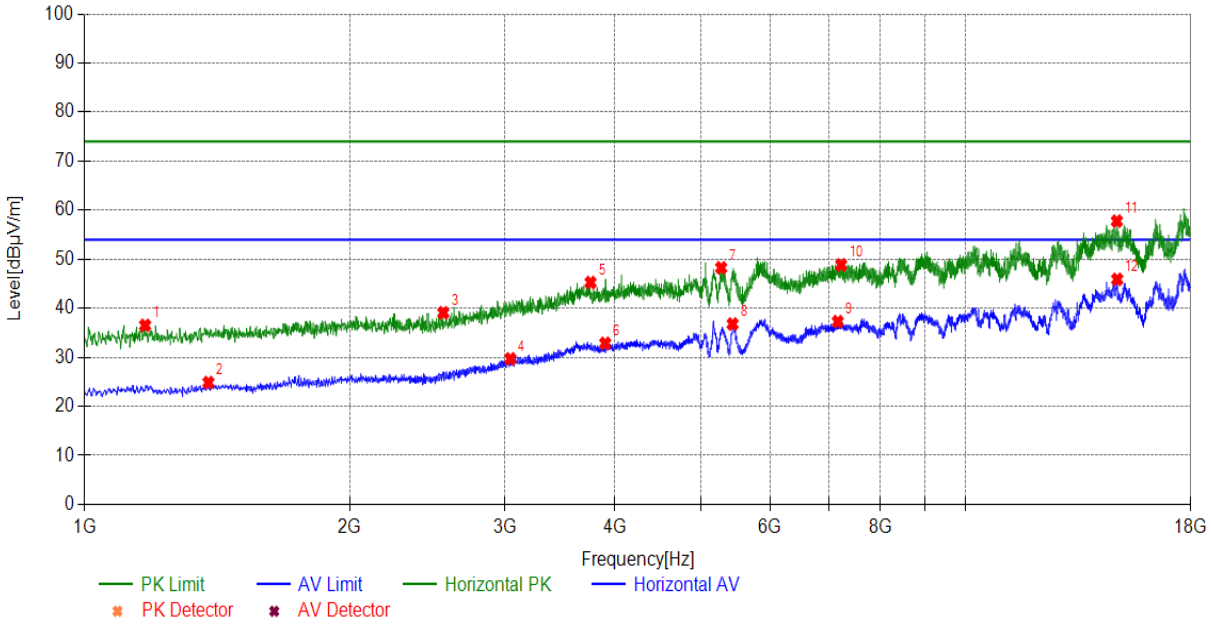
5.1.2.3.3 U-NII-2C:

During the test, the Radiates Emission from 1GHz to 40GHz was performed in all modes with all channels and all antenna, 802.11ax20, Channel 100, MIMO are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

Test mode	802.11ax (HE20)(1G~18G)
Test channel	Worst-Case Low(L)

Suspected List

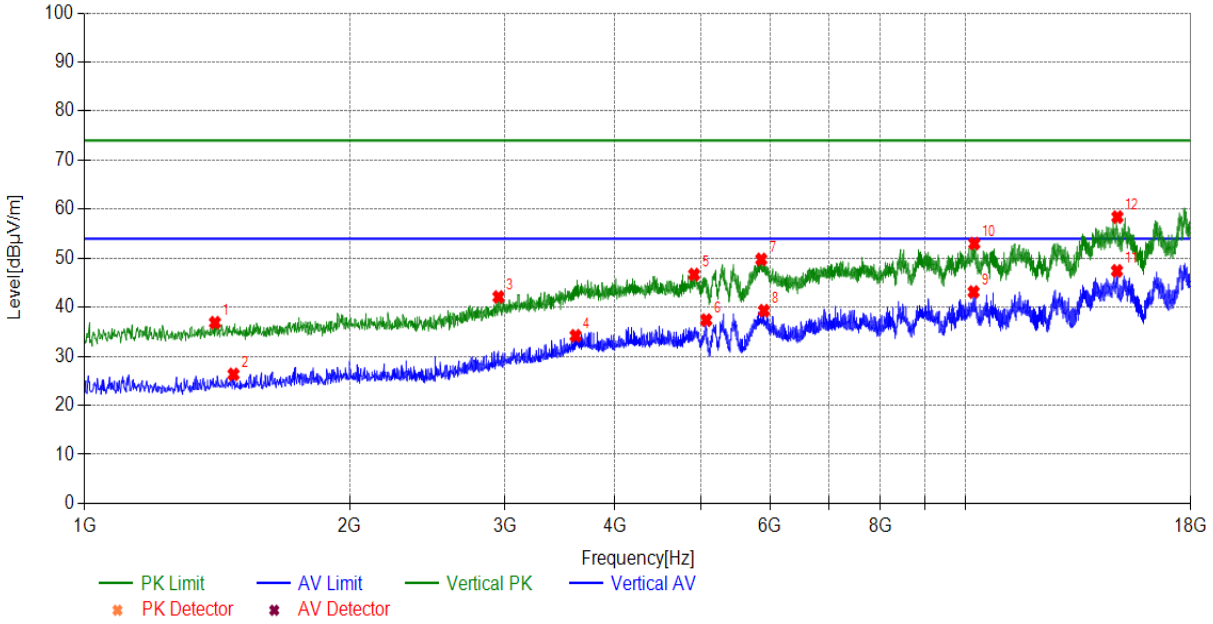
Frequency [MHz]	Polarity	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/Fail
1171.71	Horizont	-15.95	52.46	36.51	74.00	37.49	PK	100	328	PASS
1382.53	Horizont	-15.58	40.42	24.84	54.00	29.16	AV	100	348	PASS
2553.95	Horizont	-12.58	51.65	39.07	74.00	34.93	PK	100	348	PASS
3043.60	Horizont	-10.05	39.73	29.68	54.00	24.32	AV	100	348	PASS
3752.57	Horizont	-7.00	52.24	45.24	74.00	28.76	PK	100	328	PASS
3898.78	Horizont	-6.73	39.57	32.84	54.00	21.16	AV	100	348	PASS
5279.32	Horizont	-5.61	53.86	48.25	74.00	25.75	PK	100	284	PASS
5439.14	Horizont	-5.64	42.43	36.79	54.00	17.21	AV	100	348	PASS
7159.71	Horizont	-1.14	38.40	37.26	54.00	16.74	AV	100	343	PASS
7222.62	Horizont	-0.99	49.83	48.84	74.00	25.16	PK	100	323	PASS
14844.4	Horizont	8.63	49.14	57.77	74.00	16.23	PK	100	328	PASS
14858.0	Horizont	8.63	37.26	45.89	54.00	8.11	AV	100	348	PASS



Test mode	802.11ax (HE20)(1G~18G)
Test channel	Worst-Case Low(L)

Suspected List

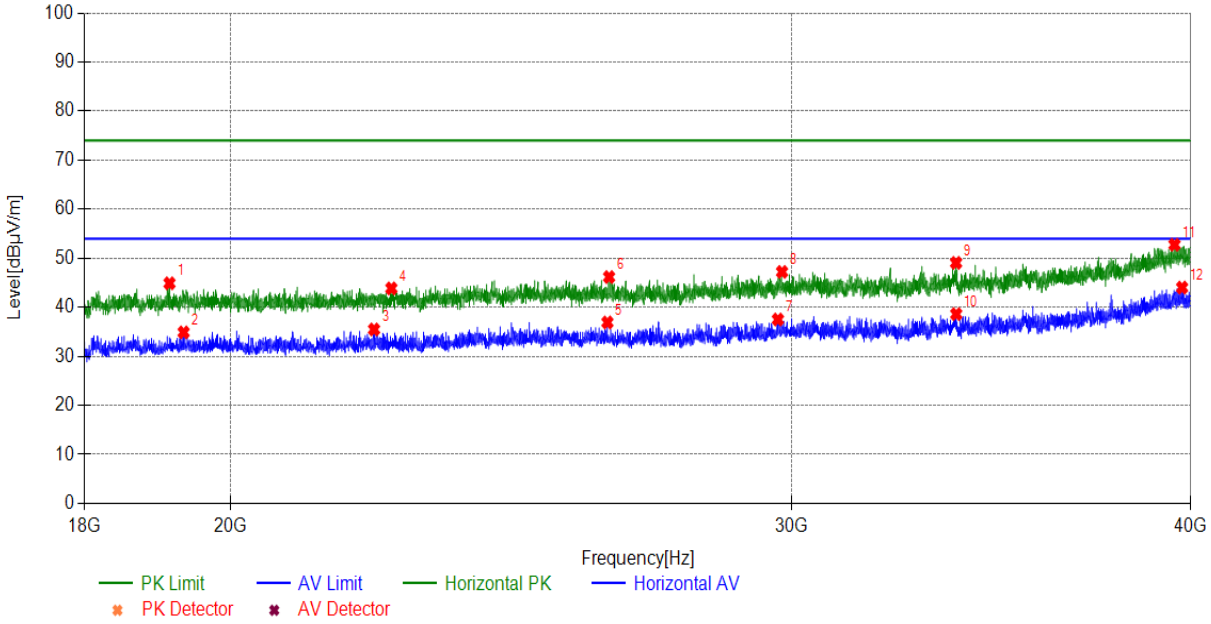
Frequency [MHz]	Polarity	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/Fail
1406.34	Vertical	-15.54	52.39	36.85	74.00	37.15	PK	100	220	PASS
1476.04	Vertical	-15.42	41.73	26.31	54.00	27.69	AV	100	10	PASS
2950.09	Vertical	-10.56	52.65	42.09	74.00	31.91	PK	100	40	PASS
3608.06	Vertical	-7.26	41.44	34.18	54.00	19.82	AV	100	10	PASS
4918.89	Vertical	-5.67	52.34	46.67	74.00	27.33	PK	100	40	PASS
5077.00	Vertical	-5.58	42.95	37.37	54.00	16.63	AV	100	10	PASS
5862.48	Vertical	-4.47	54.23	49.76	74.00	24.24	PK	100	80	PASS
5903.29	Vertical	-4.34	43.64	39.30	54.00	14.70	AV	100	10	PASS
10209.8	Vertical	4.10	39.01	43.11	54.00	10.89	AV	100	10	PASS
10228.5	Vertical	4.15	48.84	52.99	74.00	21.01	PK	100	30	PASS
14849.5	Vertical	8.63	38.79	47.42	54.00	6.58	AV	100	10	PASS
14864.8	Vertical	8.63	49.76	58.39	74.00	15.61	PK	100	230	PASS



Test mode	802.11ax (HE20)(18G~40G)
Test channel	Worst-Case Low(L)

Suspected List

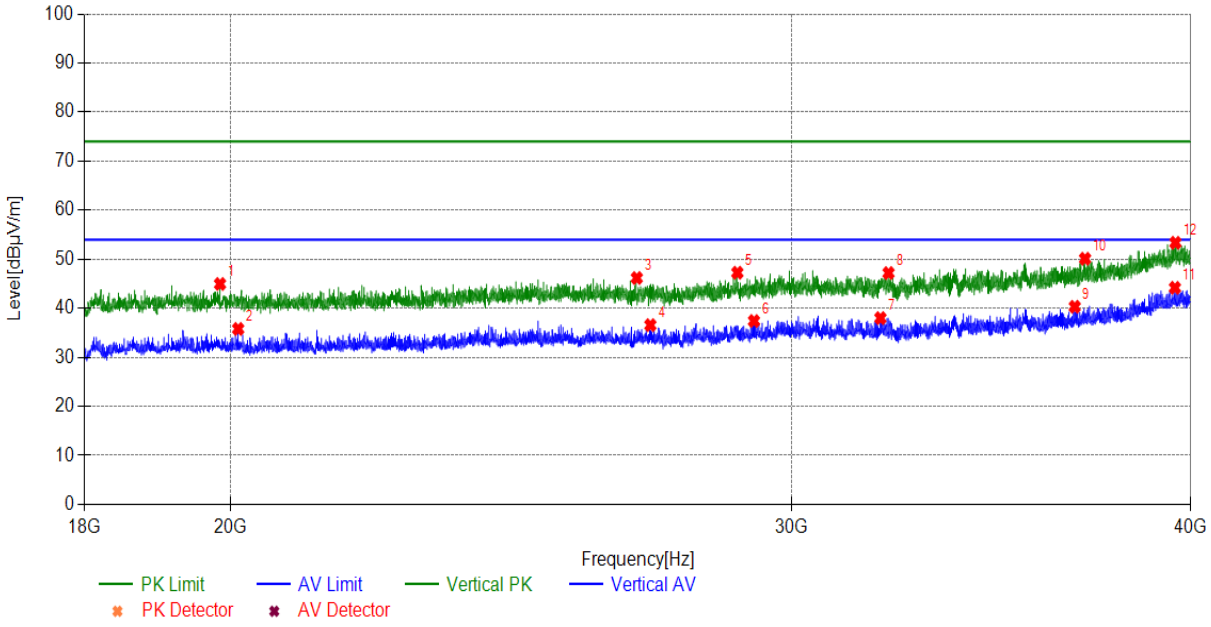
Frequency [MHz]	Polarity	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/Fail
19139.7	Horizont	1.34	43.55	44.89	74.00	29.11	PK	100	90	PASS
26288.2	Horizont	4.62	41.54	46.16	74.00	27.84	PK	100	50	PASS
39537.9	Horizont	10.78	41.97	52.75	74.00	21.25	PK	100	30	PASS
29782.1	Horizont	6.55	40.66	47.21	74.00	26.79	PK	100	20	PASS
33768.9	Horizont	6.53	42.52	49.05	74.00	24.95	PK	100	20	PASS
22464.2	Horizont	2.36	41.49	43.85	74.00	30.15	PK	100	90	PASS
26255.2	Horizont	4.60	32.30	36.90	54.00	17.10	AV	100	10	PASS
19335.5	Horizont	1.33	33.55	34.88	54.00	19.12	AV	100	10	PASS
22184.8	Horizont	2.08	33.39	35.47	54.00	18.53	AV	100	10	PASS
29694.1	Horizont	6.49	31.01	37.50	54.00	16.50	AV	100	10	PASS
33773.3	Horizont	6.53	32.07	38.60	54.00	15.40	AV	100	10	PASS
39753.5	Horizont	10.79	33.22	44.01	54.00	9.99	AV	100	10	PASS



Test mode	802.11ax (HE20)(18G~40G)
Test channel	Worst-Case Low(L)

Suspected List

Frequency [MHz]	Polarity	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/Fail
39564.3	Vertical	10.78	42.57	53.35	74.00	20.65	PK	100	50	PASS
37064.9	Vertical	7.93	42.16	50.09	74.00	23.91	PK	100	120	PASS
19850.3	Vertical	1.31	43.64	44.95	74.00	29.05	PK	100	120	PASS
32162.8	Vertical	5.97	41.22	47.19	74.00	26.81	PK	100	20	PASS
28838.2	Vertical	5.90	41.35	47.25	74.00	26.75	PK	100	70	PASS
26818.4	Vertical	4.83	41.34	46.17	74.00	27.83	PK	100	70	PASS
39548.9	Vertical	10.78	33.39	44.17	54.00	9.83	AV	100	10	PASS
20112.2	Vertical	1.34	34.44	35.78	54.00	18.22	AV	100	10	PASS
27082.5	Vertical	4.94	31.62	36.56	54.00	17.44	AV	100	10	PASS
36789.8	Vertical	7.72	32.59	40.31	54.00	13.69	AV	100	10	PASS
31975.7	Vertical	5.91	32.08	37.99	54.00	16.01	AV	100	10	PASS
29185.9	Vertical	6.13	31.27	37.40	54.00	16.60	AV	100	10	PASS



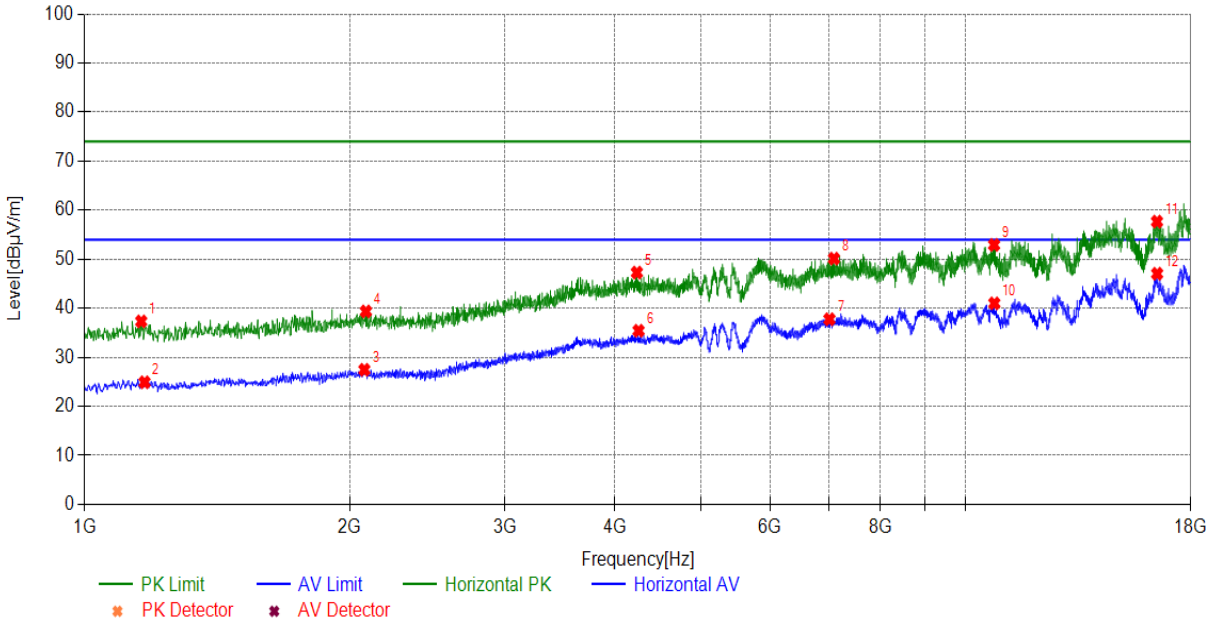
5.1.2.3.4 U-NII-3:

During the test, the Radiates Emission from 1GHz to 40GHz was performed in all modes with all channels and all antenna, 802.11ax20, Channel 149, MIMO are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

Test mode	802.11ax (HE20)(1G~18G)
Test channel	Worst-Case Low(L)

Suspected List

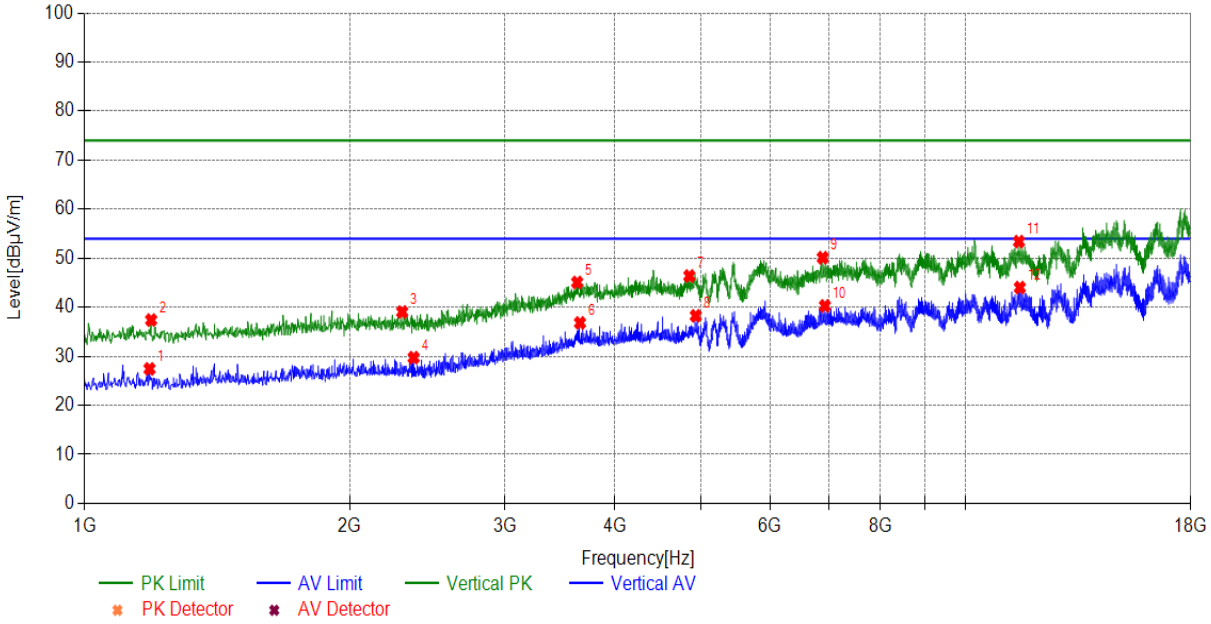
Frequency [MHz]	Polarity	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/Fail
1159.81	Horizont	-15.97	53.29	37.32	74.00	36.68	PK	100	334	PASS
1170.01	Horizont	-15.95	40.86	24.91	54.00	29.09	AV	100	350	PASS
2077.90	Horizont	-13.76	41.22	27.46	54.00	26.54	AV	100	355	PASS
2086.40	Horizont	-13.75	53.10	39.35	74.00	34.65	PK	100	355	PASS
4235.42	Horizont	-6.38	53.66	47.28	74.00	26.72	PK	100	345	PASS
4254.12	Horizont	-6.36	41.77	35.41	54.00	18.59	AV	100	355	PASS
7005.00	Horizont	-1.51	39.27	37.76	54.00	16.24	AV	100	355	PASS
7088.30	Horizont	-1.31	51.43	50.12	74.00	23.88	PK	100	350	PASS
10770.8	Horizont	5.05	47.87	52.92	74.00	21.08	PK	100	355	PASS
10777.6	Horizont	5.05	35.95	41.00	54.00	13.00	AV	100	350	PASS
16485.1	Horizont	8.91	48.76	57.67	74.00	16.33	PK	100	355	PASS
16491.9	Horizont	8.93	38.12	47.05	54.00	6.95	AV	100	355	PASS



Test mode	802.11ax (HE20)(1G~18G)
Test channel	Worst-Case Low(L)

Suspected List

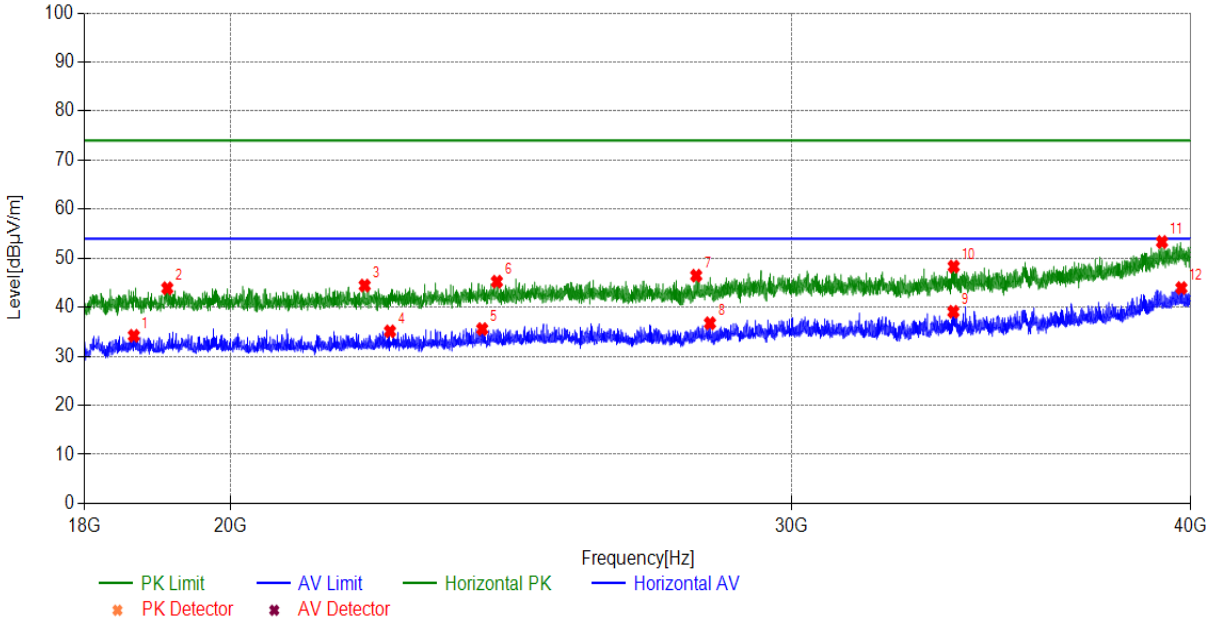
Frequency [MHz]	Polarity	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/Fail
1185.31	Vertical	-15.93	43.36	27.43	54.00	26.57	AV	100	10	PASS
1190.41	Vertical	-15.92	53.31	37.39	74.00	36.61	PK	100	130	PASS
2293.82	Vertical	-13.30	52.34	39.04	74.00	34.96	PK	100	140	PASS
2363.53	Vertical	-13.15	42.87	29.72	54.00	24.28	AV	100	10	PASS
3623.36	Vertical	-7.23	52.29	45.06	74.00	28.94	PK	100	20	PASS
3650.56	Vertical	-7.18	43.99	36.81	54.00	17.19	AV	100	10	PASS
4857.68	Vertical	-5.74	52.12	46.38	74.00	27.62	PK	100	80	PASS
4939.29	Vertical	-5.64	43.89	38.25	54.00	15.75	AV	100	10	PASS
6884.28	Vertical	-2.20	52.29	50.09	74.00	23.91	PK	100	190	PASS
6921.69	Vertical	-1.98	42.26	40.28	54.00	13.72	AV	100	10	PASS
11493.4	Vertical	5.02	48.36	53.38	74.00	20.62	PK	100	230	PASS
11520.6	Vertical	4.96	39.05	44.01	54.00	9.99	AV	100	10	PASS



Test mode	802.11ax (HE20)(18G~40G)
Test channel	Worst-Case Low(L)

Suspected List

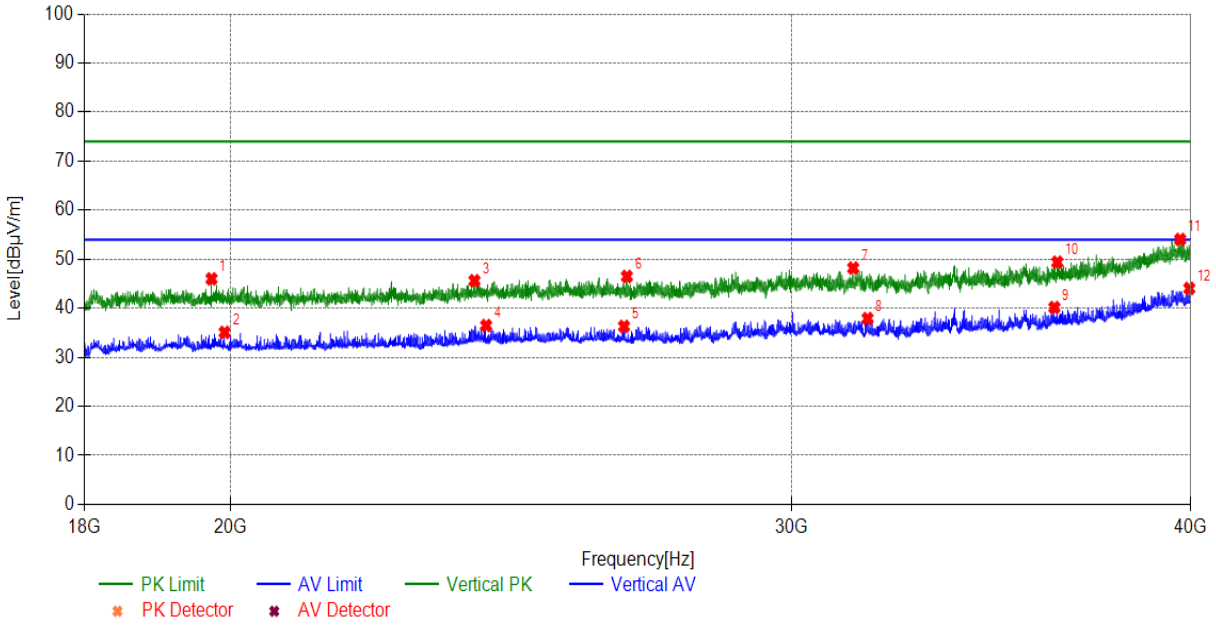
Frequency [MHz]	Polarity	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/Fail
24242.0	Horizont	3.80	41.41	45.21	74.00	28.79	PK	100	100	PASS
33711.7	Horizont	6.51	41.79	48.30	74.00	25.70	PK	100	20	PASS
39181.5	Horizont	10.76	42.55	53.31	74.00	20.69	PK	100	70	PASS
22035.2	Horizont	1.94	42.48	44.42	74.00	29.58	PK	100	100	PASS
27993.3	Horizont	5.40	41.04	46.44	74.00	27.56	PK	100	70	PASS
19108.9	Horizont	1.34	42.54	43.88	74.00	30.12	PK	100	110	PASS
22442.2	Horizont	2.34	32.74	35.08	54.00	18.92	AV	100	10	PASS
39733.7	Horizont	10.79	33.13	43.92	54.00	10.08	AV	100	10	PASS
23986.7	Horizont	3.69	31.87	35.56	54.00	18.44	AV	100	10	PASS
28272.8	Horizont	5.56	31.18	36.74	54.00	17.26	AV	100	10	PASS
33702.9	Horizont	6.51	32.56	39.07	54.00	14.93	AV	100	10	PASS
18653.4	Horizont	1.26	32.92	34.18	54.00	19.82	AV	100	10	PASS



Test mode	802.11ax (HE20)(18G~40G)
Test channel	Worst-Case Low(L)

Suspected List

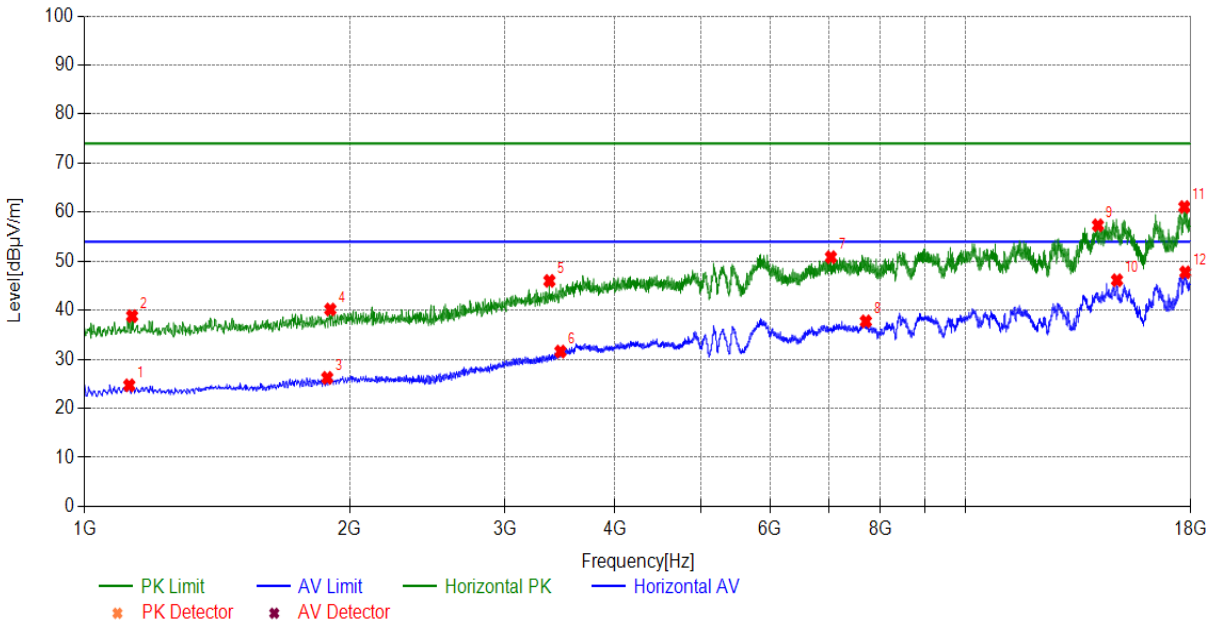
Frequency [MHz]	Polarity	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/Fail
19729.3	Vertical	1.31	44.69	46.00	74.00	28.00	PK	100	50	PASS
36330.0	Vertical	7.39	41.99	49.38	74.00	24.62	PK	100	250	PASS
39700.7	Vertical	10.79	43.23	54.02	74.00	19.98	PK	100	20	PASS
23852.5	Vertical	3.58	42.02	45.60	74.00	28.40	PK	100	270	PASS
26627.0	Vertical	4.75	41.73	46.48	74.00	27.52	PK	100	350	PASS
31353.1	Vertical	6.13	42.06	48.19	74.00	25.81	PK	100	180	PASS
36253.0	Vertical	7.33	32.81	40.14	54.00	13.86	AV	100	10	PASS
19916.3	Vertical	1.30	33.78	35.08	54.00	18.92	AV	100	10	PASS
24055.0	Vertical	3.72	32.75	36.47	54.00	17.53	AV	100	10	PASS
26572.0	Vertical	4.73	31.57	36.30	54.00	17.70	AV	100	10	PASS
31678.7	Vertical	6.01	31.89	37.90	54.00	16.10	AV	100	10	PASS
39962.5	Vertical	10.80	33.24	44.04	54.00	9.96	AV	100	10	PASS



Test mode	802.11ax (HE40)(1G~18G)
Test channel	Worst-Case Low(L)

Suspected List

Frequency [MHz]	Polarity	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/Fail
1124.11	Horizont	-16.03	40.72	24.69	54.00	29.31	AV	100	353	PASS
1132.61	Horizont	-16.02	54.82	38.80	74.00	35.20	PK	100	294	PASS
1885.78	Horizont	-14.26	40.47	26.21	54.00	27.79	AV	100	353	PASS
1901.09	Horizont	-14.22	54.38	40.16	74.00	33.84	PK	100	61	PASS
3370.03	Horizont	-8.19	54.18	45.99	74.00	28.01	PK	100	348	PASS
3468.64	Horizont	-7.63	39.21	31.58	54.00	22.42	AV	100	353	PASS
7032.20	Horizont	-1.44	52.26	50.82	74.00	23.18	PK	100	281	PASS
7703.77	Horizont	-0.26	37.99	37.73	54.00	16.27	AV	100	353	PASS
14128.7	Horizont	7.48	49.84	57.32	74.00	16.68	PK	100	256	PASS
14849.5	Horizont	8.63	37.50	46.13	54.00	7.87	AV	100	353	PASS
17709.2	Horizont	13.94	47.12	61.06	74.00	12.94	PK	100	238	PASS
17753.4	Horizont	14.17	33.56	47.73	54.00	6.27	AV	100	343	PASS



5.2 Maximum conducted output power

Ambient condition:

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

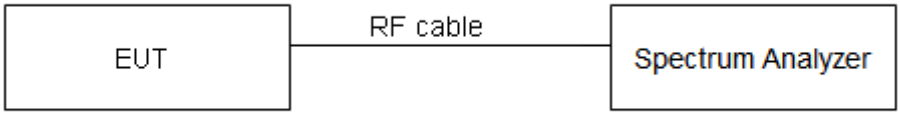
Method of Measurement:

During the process of the testing, The EUT was connected to spectrum analyzer through an external attenuator and a known loss cable. The EUT is max power transmission with proper modulation. We use Maximum average Conducted Output Power Level Method in KDB789033 for this test
The conducted Power is measured at each antenna port. The measured results at the various antenna ports are then summed mathematically.

Limits:

For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Test Setup:



Measurement Uncertainty：

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor k = 2, U= 0.44 dB.

Test Results:

TestMode	Antenna	Channel	Output Power[dBm]	Limit[dBm]	E.I.R.P[dBm]	E.I.R.P Limit(dBm)	Verdict
11A	Ant1	5180	16.16	<=23.98	21.16	---	PASS
	Ant2	5180	15.89	<=23.98	19.89	---	PASS
	Ant1	5200	15.89	<=23.98	20.89	---	PASS
	Ant2	5200	15.06	<=23.98	20.06	---	PASS
	Ant1	5240	15.45	<=23.98	20.45	---	PASS
	Ant2	5240	14.02	<=23.98	19.02	---	PASS
	Ant1	5260	14.25	<=23.98	19.25	<=29.81	PASS
	Ant2	5260	13.86	<=23.98	18.86	<=29.84	PASS
	Ant1	5280	13.96	<=23.98	18.96	<=29.80	PASS
	Ant2	5280	13.52	<=23.98	18.52	<=29.76	PASS
	Ant1	5320	14.17	<=23.98	19.17	<=29.82	PASS
	Ant2	5320	13.86	<=23.98	18.86	<=29.89	PASS
	Ant1	5500	14.45	<=23.98	19.45	<=29.84	PASS
	Ant2	5500	14.20	<=23.98	19.20	<=29.81	PASS
	Ant1	5580	14.88	<=23.98	19.88	<=29.83	PASS
	Ant2	5580	15.28	<=23.98	20.28	<=29.75	PASS
	Ant1	5700	13.74	<=23.98	18.74	<=29.81	PASS
	Ant2	5700	14.17	<=23.98	19.17	<=29.85	PASS
	Ant1	5745	13.93	<=30	18.93	---	PASS
	Ant2	5745	15.10	<=30	20.10	---	PASS
	Ant1	5785	14.14	<=30	19.14	---	PASS
	Ant2	5785	14.15	<=30	19.15	---	PASS
	Ant1	5825	14.76	<=30	19.76	---	PASS
	Ant2	5825	15.82	<=30	20.82	---	PASS
11N20SISO	Ant1	5180	15.33	<=23.98	20.33	---	PASS
	Ant2	5180	14.96	<=23.98	19.96	---	PASS
	Ant1	5200	15.27	<=23.98	20.27	---	PASS
	Ant2	5200	15.18	<=23.98	20.18	---	PASS
	Ant1	5240	14.84	<=23.98	19.84	---	PASS
	Ant2	5240	14.38	<=23.98	19.38	---	PASS
	Ant1	5260	14.18	<=23.98	19.18	<=30	PASS
	Ant2	5260	13.71	<=23.98	18.71	<=30	PASS
	Ant1	5280	14.18	<=23.98	19.18	<=30	PASS
	Ant2	5280	13.49	<=23.98	18.49	<=29.97	PASS
	Ant1	5320	14.07	<=23.98	19.07	<=30	PASS
	Ant2	5320	13.71	<=23.98	18.71	<=30	PASS

	Ant1	5500	14.33	<=23.98	19.33	<=30	PASS
	Ant2	5500	14.15	<=23.98	19.15	<=30	PASS
	Ant1	5580	14.51	<=23.98	19.51	<=30	PASS
	Ant2	5580	15.66	<=23.98	20.66	<=29.94	PASS
	Ant1	5700	13.15	<=23.98	18.15	<=30.00	PASS
	Ant2	5700	13.84	<=23.98	18.84	<=30	PASS
	Ant1	5745	13.85	<=30	18.85	---	PASS
	Ant2	5745	14.91	<=30	19.91	---	PASS
	Ant1	5785	14.30	<=30	19.30	---	PASS
	Ant2	5785	15.92	<=30	20.62	---	PASS
	Ant1	5825	14.47	<=30	19.47	---	PASS
	Ant2	5825	15.97	<=30	20.97	---	PASS
11N40SISO	Ant1	5190	14.99	<=23.98	19.99	---	PASS
	Ant2	5190	15.33	<=23.98	20.33	---	PASS
	Ant1	5230	14.51	<=23.98	19.51	---	PASS
	Ant2	5230	14.86	<=23.98	19.86	---	PASS
	Ant1	5270	13.53	<=23.98	18.53	<=30	PASS
	Ant2	5270	13.84	<=23.98	18.84	<=30	PASS
	Ant1	5310	13.34	<=23.98	18.34	<=30	PASS
	Ant2	5310	13.97	<=23.98	18.97	<=30	PASS
	Ant1	5510	13.56	<=23.98	18.56	<=30	PASS
	Ant2	5510	14.71	<=23.98	19.71	<=30	PASS
	Ant1	5550	14.45	<=23.98	19.45	<=30	PASS
	Ant2	5550	15.33	<=23.98	20.33	<=30	PASS
	Ant1	5670	12.48	<=23.98	17.48	<=30	PASS
	Ant2	5670	14.04	<=23.98	19.04	<=30	PASS
	Ant1	5755	13.05	<=30	18.05	---	PASS
	Ant2	5755	15.22	<=30	20.22	---	PASS
	Ant1	5795	13.46	<=30	18.46	---	PASS
	Ant2	5795	16.15	<=30	21.15	---	PASS
11AC20SISO	Ant1	5180	15.33	<=23.98	20.33	---	PASS
	Ant2	5180	14.99	<=23.98	19.99	---	PASS
	Ant1	5200	15.03	<=23.98	20.03	---	PASS
	Ant2	5200	14.84	<=23.98	19.84	---	PASS
	Ant1	5240	14.80	<=23.98	19.80	---	PASS
	Ant2	5240	14.64	<=23.98	19.64	---	PASS
	Ant1	5260	14.43	<=23.98	19.43	<=30	PASS
	Ant2	5260	13.73	<=23.98	18.73	<=30	PASS
	Ant1	5280	13.93	<=23.98	18.93	<=29.95	PASS
	Ant2	5280	13.31	<=23.98	18.31	<=29.97	PASS
	Ant1	5320	13.58	<=23.98	18.58	<=29.99	PASS
	Ant2	5320	13.77	<=23.98	18.77	<=30	PASS
	Ant1	5500	14.35	<=23.98	19.35	<=30	PASS
	Ant2	5500	14.09	<=23.98	19.09	<=30	PASS
	Ant1	5580	15.13	<=23.98	20.13	<=29.95	PASS
	Ant2	5580	14.51	<=23.98	19.51	<=29.96	PASS
	Ant1	5700	13.69	<=23.98	18.69	<=30	PASS
	Ant2	5700	16.61	<=23.98	19.61	<=30	PASS
	Ant1	5745	13.42	<=30	18.42	---	PASS
	Ant2	5745	13.90	<=30	18.90	---	PASS
	Ant1	5785	14.12	<=30	19.12	---	PASS
	Ant2	5785	15.39	<=30	20.39	---	PASS
	Ant1	5825	13.97	<=30	18.97	---	PASS
	Ant2	5825	16.18	<=30	21.18	---	PASS
11AC40SISO	Ant1	5190	15.04	<=23.98	20.04	---	PASS
	Ant2	5190	15.99	<=23.98	20.99	---	PASS
	Ant1	5230	14.64	<=23.98	19.64	---	PASS
	Ant2	5230	12.66	<=23.98	17.66	---	PASS
	Ant1	5270	13.70	<=23.98	18.70	<=30	PASS
	Ant2	5270	11.64	<=23.98	16.64	<=30	PASS
	Ant1	5310	13.52	<=23.98	18.52	<=30	PASS

	Ant2	5310	11.87	<=23.98	16.87	<=30	PASS
	Ant1	5510	13.99	<=23.98	18.99	<=30	PASS
	Ant2	5510	12.20	<=23.98	17.20	<=30	PASS
	Ant1	5550	14.63	<=23.98	19.63	<=30	PASS
	Ant2	5550	13.16	<=23.98	18.16	<=30	PASS
	Ant1	5670	13.15	<=23.98	18.15	<=30	PASS
	Ant2	5670	12.32	<=23.98	17.32	<=30	PASS
	Ant1	5755	13.86	<=30	18.86	---	PASS
	Ant2	5755	12.19	<=30	17.19	---	PASS
	Ant1	5795	14.15	<=30	19.15	---	PASS
	Ant2	5795	14.07	<=30	19.07	---	PASS
11AC80SISO	Ant1	5210	14.78	<=23.98	19.78	---	PASS
	Ant2	5210	12.03	<=23.98	17.03	---	PASS
	Ant1	5290	13.79	<=23.98	18.79	<=30	PASS
	Ant2	5290	11.40	<=23.98	16.40	<=30	PASS
	Ant1	5530	14.14	<=23.98	19.14	<=30	PASS
	Ant2	5530	12.34	<=23.98	17.34	<=30	PASS
	Ant1	5775	13.2	<=30	18.20	---	PASS
	Ant2	5775	12.67	<=30	17.67	---	PASS
11AX20SISO	Ant1	5180	16.7	<=23.98	21.70	---	PASS
	Ant2	5180	15.26	<=23.98	20.26	---	PASS
	Ant1	5200	16.27	<=23.98	21.27	---	PASS
	Ant2	5200	15.07	<=23.98	20.07	---	PASS
	Ant1	5240	15.82	<=23.98	20.82	---	PASS
	Ant2	5240	14.51	<=23.98	19.51	---	PASS
	Ant1	5260	15.48	<=23.98	20.48	<=29.93	PASS
	Ant2	5260	13.51	<=23.98	18.51	<=29.94	PASS
	Ant1	5280	14.75	<=23.98	19.75	<=29.86	PASS
	Ant2	5280	13.74	<=23.98	18.74	<=29.94	PASS
	Ant1	5320	15.17	<=23.98	20.17	<=29.90	PASS
	Ant2	5320	13.83	<=23.98	18.83	<=29.96	PASS
	Ant1	5500	15.37	<=23.98	20.37	<=29.89	PASS
	Ant2	5500	14.2	<=23.98	19.20	<=29.94	PASS
	Ant1	5580	15.54	<=23.98	20.54	<=29.88	PASS
	Ant2	5580	15.35	<=23.98	20.35	<=29.94	PASS
	Ant1	5700	14.66	<=23.98	19.66	<=29.91	PASS
	Ant2	5700	14.67	<=23.98	19.67	<=29.93	PASS
	Ant1	5745	15.41	<=30	20.41	---	PASS
	Ant2	5745	15.23	<=30	20.23	---	PASS
	Ant1	5785	14.37	<=30	19.37	---	PASS
	Ant2	5785	15.42	<=30	20.42	---	PASS
	Ant1	5825	15.19	<=30	20.19	---	PASS
	Ant2	5825	16.27	<=30	21.27	---	PASS
11AX40SISO	Ant1	5190	16.52	<=23.98	21.52	---	PASS
	Ant2	5190	15.44	<=23.98	20.44	---	PASS
	Ant1	5230	15.61	<=23.98	20.61	---	PASS
	Ant2	5230	15	<=23.98	20.00	---	PASS
	Ant1	5270	14.91	<=23.98	19.91	<=30	PASS
	Ant2	5270	13.95	<=23.98	18.95	<=30	PASS
	Ant1	5310	14.77	<=23.98	19.77	<=30	PASS
	Ant2	5310	14.23	<=23.98	19.23	<=30	PASS
	Ant1	5510	15.19	<=23.98	20.19	<=30	PASS
	Ant2	5510	14.88	<=23.98	19.88	<=30	PASS
	Ant1	5550	15.86	<=23.98	20.86	<=30	PASS
	Ant2	5550	15.49	<=23.98	20.49	<=30	PASS
	Ant1	5670	13.84	<=23.98	18.84	<=30	PASS
	Ant2	5670	14.98	<=23.98	19.98	<=30	PASS
	Ant1	5755	15.07	<=30	20.07	---	PASS
	Ant2	5755	15.65	<=30	20.65	---	PASS
	Ant1	5795	14.58	<=30	19.58	---	PASS
	Ant2	5795	16.21	<=30	21.21	---	PASS

11AX80SISO	Ant1	5210	16.44	<=23.98	21.44	---	PASS
	Ant2	5210	14.94	<=23.98	19.94	---	PASS
	Ant1	5290	14.82	<=23.98	19.82	<=30	PASS
	Ant2	5290	14.38	<=23.98	19.38	<=30	PASS
	Ant1	5530	15.72	<=23.98	20.72	<=30	PASS
	Ant2	5530	15.02	<=23.98	20.02	<=30	PASS
	Ant1	5775	15.06	<=30	20.06	---	PASS
	Ant2	5775	15.31	<=30	20.31	---	PASS
11N20MIMO	Ant1	5180	14.62	<=23.98	19.62	---	PASS
	Ant2	5180	12.94	<=23.98	17.94	---	PASS
	total	5180	16.90	<=23.98	21.87	---	PASS
	Ant1	5200	14.32	<=23.98	19.32	---	PASS
	Ant2	5200	13.23	<=23.98	18.23	---	PASS
	total	5200	16.29	<=23.98	21.29	---	PASS
	Ant1	5240	13.73	<=23.98	18.73	---	PASS
	Ant2	5240	12.61	<=23.98	17.61	---	PASS
	total	5240	16.20	<=23.98	21.22	---	PASS
	Ant1	5260	14.36	<=23.98	19.36	<=30	PASS
	Ant2	5260	13.19	<=23.98	18.19	<=30	PASS
	total	5260	16.80	<=23.98	21.82	<=30	PASS
	Ant1	5280	13.89	<=23.98	18.89	<=30	PASS
	Ant2	5280	12.38	<=23.98	17.38	<=30	PASS
	total	5280	16.20	<=23.98	21.21	<=30	PASS
	Ant1	5320	14.07	<=23.98	19.07	<=30	PASS
	Ant2	5320	12.65	<=23.98	17.65	<=29.86	PASS
	total	5320	16.40	<=23.98	21.43	<=29.86	PASS
	Ant1	5500	14.39	<=23.98	19.39	<=30	PASS
	Ant2	5500	13.65	<=23.98	18.65	<=29.85	PASS
	total	5500	17.00	<=23.98	22.05	<=29.85	PASS
	Ant1	5580	13.94	<=23.98	18.94	<=30	PASS
	Ant2	5580	13.41	<=23.98	18.41	<=29.86	PASS
	total	5580	16.60	<=23.98	21.69	<=29.86	PASS
	Ant1	5700	13.54	<=23.98	18.54	<=30	PASS
	Ant2	5700	13.64	<=23.98	18.64	<=29.76	PASS
	total	5700	16.60	<=23.98	21.60	<=29.76	PASS
	Ant1	5745	12.97	<=30	17.97	---	PASS
	Ant2	5745	13.24	<=30	18.24	---	PASS
	total	5745	16.10	<=30	21.12	---	PASS
	Ant1	5785	13.18	<=30	18.18	---	PASS
	Ant2	5785	13.21	<=30	18.21	---	PASS
	total	5785	16.20	<=30	21.21	---	PASS
	Ant1	5825	13.49	<=30	18.49	---	PASS
	Ant2	5825	13.86	<=30	18.86	---	PASS
	total	5825	16.70	<=30	21.69	---	PASS
11N40MIMO	Ant1	5190	14.00	<=23.98	19.00	---	PASS
	Ant2	5190	12.92	<=23.98	17.92	---	PASS
	total	5190	16.50	<=23.98	21.50	---	PASS
	Ant1	5230	13.31	<=23.98	18.31	---	PASS
	Ant2	5230	12.74	<=23.98	17.74	---	PASS
	total	5230	16.00	<=23.98	21.04	---	PASS
	Ant1	5270	13.31	<=23.98	18.31	<=30	PASS
	Ant2	5270	12.30	<=23.98	17.30	<=30	PASS
	total	5270	15.80	<=23.98	20.84	<=30	PASS
	Ant1	5310	13.40	<=23.98	18.40	<=30	PASS
	Ant2	5310	12.14	<=23.98	17.14	<=30	PASS
	total	5310	15.80	<=23.98	20.83	<=30	PASS
	Ant1	5510	14.00	<=23.98	19.00	<=30	PASS
	Ant2	5510	13.42	<=23.98	18.42	<=30	PASS
	total	5510	16.70	<=23.98	21.73	<=30	PASS
	Ant1	5550	14.26	<=23.98	19.26	<=30	PASS
	Ant2	5550	13.97	<=23.98	18.97	<=30	PASS

	total	5550	17.10	<=23.98	22.13	<=30	PASS
	Ant1	5670	12.69	<=23.98	17.69	<=30	PASS
	Ant2	5670	13.28	<=23.98	18.28	<=30	PASS
	total	5670	16.00	<=23.98	21.01	<=30	PASS
	Ant1	5755	13.11	<=30	18.11	---	PASS
	Ant2	5755	13.75	<=30	18.75	---	PASS
	total	5755	16.50	<=30	21.45	---	PASS
	Ant1	5795	13.47	<=30	18.47	---	PASS
	Ant2	5795	14.79	<=30	19.79	---	PASS
	total	5795	17.20	<=30	22.19	---	PASS
11AC20MIMO	Ant1	5180	13.58	<=23.98	18.58	---	PASS
	Ant2	5180	12.69	<=23.98	17.69	---	PASS
	total	5180	16.17	<=23.98	21.17	---	PASS
	Ant1	5200	13.04	<=23.98	18.04	---	PASS
	Ant2	5200	13.58	<=23.98	18.58	---	PASS
	total	5200	16.33	<=23.98	21.32	---	PASS
	Ant1	5240	13.77	<=23.98	18.77	---	PASS
	Ant2	5240	13.98	<=23.98	18.98	---	PASS
	total	5240	16.89	<=23.98	21.89	---	PASS
	Ant1	5260	14.16	<=23.98	19.16	<=30	PASS
	Ant2	5260	12.70	<=23.98	17.70	<=30	PASS
	total	5260	16.50	<=23.98	21.50	<=30	PASS
	Ant1	5280	14.58	<=23.98	19.58	<=30.00	PASS
	Ant2	5280	13.32	<=23.98	18.32	<=30	PASS
	total	5280	17.00	<=23.98	22.01	<=30	PASS
	Ant1	5320	14.46	<=23.98	19.46	<=30	PASS
	Ant2	5320	13.47	<=23.98	18.47	<=29.86	PASS
	total	5320	17.00	<=23.98	22.00	<=29.86	PASS
	Ant1	5500	14.02	<=23.98	19.02	<=30	PASS
	Ant2	5500	13.16	<=23.98	18.16	<=29.86	PASS
	total	5500	16.60	<=23.98	21.62	<=29.86	PASS
	Ant1	5580	13.66	<=23.98	18.66	<=29.99	PASS
	Ant2	5580	13.28	<=23.98	18.28	<=29.86	PASS
	total	5580	16.50	<=23.98	21.48	<=29.86	PASS
	Ant1	5700	13.97	<=23.98	18.97	<=29.98	PASS
	Ant2	5700	13.32	<=23.98	18.32	<=29.76	PASS
	total	5700	16.70	<=23.98	21.67	<=29.76	PASS
	Ant1	5745	12.68	<=30	17.68	---	PASS
	Ant2	5745	13.95	<=30	18.95	---	PASS
	total	5745	16.40	<=30	21.37	---	PASS
	Ant1	5785	13.30	<=30	18.30	---	PASS
	Ant2	5785	14.30	<=30	19.30	---	PASS
	total	5785	16.80	<=30	21.84	---	PASS
	Ant1	5825	12.94	<=30	17.94	---	PASS
	Ant2	5825	13.56	<=30	18.56	---	PASS
	total	5825	16.30	<=30	21.27	---	PASS
11AC40MIMO	Ant1	5190	13.85	<=23	18.85	---	PASS
	Ant2	5190	13.57	<=23.98	18.57	---	PASS
	total	5190	16.72	<=23.98	21.72	---	PASS
	Ant1	5230	14.20	<=23.98	19.20	---	PASS
	Ant2	5230	13.55	<=23.98	18.55	---	PASS
	total	5230	16.90	<=23.98	21.90	---	PASS
	Ant1	5270	14.79	<=23.98	19.79	<=30	PASS
	Ant2	5270	13.43	<=23.98	18.43	<=30	PASS
	total	5270	17.20	<=23.98	22.17	<=30	PASS
	Ant1	5310	14.34	<=23.98	19.34	<=30	PASS
	Ant2	5310	13.73	<=23.98	18.73	<=30	PASS
	total	5310	17.10	<=23.98	22.06	<=30	PASS
	Ant1	5510	14.10	<=23.98	19.10	<=30	PASS
	Ant2	5510	13.56	<=23.98	18.56	<=30	PASS
	total	5510	16.80	<=23.98	21.85	<=30	PASS
	Ant1	5550	13.15	<=23.98	18.15	<=30	PASS
	Ant2	5550	13.13	<=23.98	18.13	<=30	PASS
	total	5550	16.20	<=23.98	21.15	<=30	PASS

	Ant1	5670	13.68	<=23.98	18.68	<=30	PASS
	Ant2	5670	14.49	<=23.98	19.49	<=30	PASS
	total	5670	17.10	<=23.98	22.11	<=30	PASS
	Ant1	5755	13.60	<=30	18.60	---	PASS
	Ant2	5755	13.68	<=30	18.68	---	PASS
	total	5755	16.70	<=30	21.65	---	PASS
	Ant1	5795	12.38	<=30	17.38	---	PASS
	Ant2	5795	13.93	<=30	18.93	---	PASS
	total	5795	16.20	<=30	21.23	---	PASS
11AC80MIMO	Ant1	5210	13.40	<=23.98	18.40	---	PASS
	Ant2	5210	12.56	<=23.98	17.56	---	PASS
	total	5210	16.01	<=23.98	21.01	---	PASS
	Ant1	5290	14.11	<=23.98	19.11	<=30	PASS
	Ant2	5290	13.75	<=23.98	18.75	<=30	PASS
	total	5290	16.90	<=23.98	21.94	<=30	PASS
	Ant1	5530	14.52	<=23.98	19.52	<=30	PASS
	Ant2	5530	13.89	<=23.98	18.89	<=30	PASS
	total	5530	17.20	<=23.98	22.23	<=30	PASS
	Ant1	5775	12.48	<=30	17.48	---	PASS
	Ant2	5775	14.07	<=30	19.07	---	PASS
	total	5775	16.40	<=30	21.36	---	PASS
11AX20MIMO	Ant1	5180	13.50	<=23.98	18.50	---	PASS
	Ant2	5180	12.78	<=23.98	17.78	---	PASS
	total	5180	16.17	<=23.98	21.17	---	PASS
	Ant1	5200	12.95	<=23.98	17.95	---	PASS
	Ant2	5200	13.06	<=23.98	18.06	---	PASS
	total	5200	16.02	<=23.98	21.02	---	PASS
	Ant1	5240	13.10	<=23.98	18.10	---	PASS
	Ant2	5240	13.46	<=23.98	16.46	---	PASS
	total	5240	16.29	<=23.98	21.29	---	PASS
	Ant1	5260	14.30	<=23.98	19.30	<=29.94	PASS
	Ant2	5260	13.38	<=23.98	17.38	<=30.00	PASS
	total	5260	16.50	<=23.98	21.46	<=30.00	PASS
	Ant1	5280	14.80	<=23.98	19.80	<=29.98	PASS
	Ant2	5280	13.40	<=23.98	18.40	<=30	PASS
	total	5280	17.20	<=23.98	22.17	<=30	PASS
	Ant1	5320	14.74	<=23.98	19.74	<=29.94	PASS
	Ant2	5320	13.70	<=23.98	18.70	<=29.97	PASS
	total	5320	17.30	<=23.98	21.26	<=29.97	PASS
	Ant1	5500	14.23	<=23.98	19.23	<=29.95	PASS
	Ant2	5500	13.34	<=23.98	18.34	<=29.97	PASS
	total	5500	16.80	<=23.98	21.82	<=29.97	PASS
	Ant1	5580	14.55	<=23.98	19.55	<=29.96	PASS
	Ant2	5580	14.52	<=23.98	19.52	<=30	PASS
	total	5580	17.50	<=23.98	22.55	<=30	PASS
	Ant1	5700	13.44	<=23.98	18.44	<=29.94	PASS
	Ant2	5700	13.33	<=23.98	18.33	<=29.94	PASS
	total	5700	16.40	<=23.98	21.40	<=29.94	PASS
	Ant1	5745	13.70	<=30	18.70	---	PASS
	Ant2	5745	13.92	<=30	18.92	---	PASS
	total	5745	16.80	<=30	21.82	---	PASS
	Ant1	5785	12.77	<=30	17.77	---	PASS
	Ant2	5785	13.72	<=30	18.72	---	PASS
	total	5785	16.30	<=30	21.28	---	PASS
	Ant1	5825	12.73	<=30	17.73	---	PASS
	Ant2	5825	13.53	<=30	18.53	---	PASS
	total	5825	16.20	<=30	21.16	---	PASS
11AX40MIMO	Ant1	5190	13.96	<=23.98	18.96	---	PASS
	Ant2	5190	13.24	<=23.98	18.24	---	PASS
	total	5190	16.63	<=23.98	21.63	---	PASS
	Ant1	5230	13.75	<=23.98	18.75	---	PASS
	Ant2	5230	13.39	<=23.98	18.39	---	PASS
	total	5230	16.60	<=23.98	21.58	---	PASS
	Ant1	5270	13.86	<=23.98	18.86	<=30	PASS

	Ant2	5270	12.91	<=23.98	17.91	<=30	PASS
	total	5270	16.40	<=23.98	21.42	<=30	PASS
	Ant1	5310	13.68	<=23.98	18.68	<=30	PASS
	Ant2	5310	14.17	<=23.98	18.17	<=30	PASS
	total	5310	16.40	<=23.98	21.44	<=30	PASS
	Ant1	5510	14.10	<=23.98	19.10	<=30	PASS
	Ant2	5510	13.84	<=23.98	18.84	<=30	PASS
	total	5510	17.00	<=23.98	21.98	<=30	PASS
	Ant1	5550	13.73	<=23.98	18.73	<=30	PASS
	Ant2	5550	13.67	<=23.98	18.67	<=30	PASS
	total	5550	16.70	<=23.98	21.71	<=30	PASS
	Ant1	5670	13.50	<=23.98	18.50	<=30	PASS
	Ant2	5670	13.32	<=23.98	18.32	<=30	PASS
	total	5670	16.40	<=23.98	21.42	<=30	PASS
	Ant1	5755	12.68	<=30	17.68	---	PASS
	Ant2	5755	13.69	<=30	18.69	---	PASS
	total	5755	16.20	<=30	21.22	---	PASS
	Ant1	5795	13.34	<=30	18.34	---	PASS
	Ant2	5795	13.99	<=30	18.99	---	PASS
	total	5795	16.70	<=30	21.69	---	PASS
11AX80MIMO	Ant1	5210	14.02	<=23.98	19.02	---	PASS
	Ant2	5210	13.19	<=23.98	18.19	---	PASS
	total	5210	16.60	<=23.98	21.64	---	PASS
	Ant1	5290	13.74	<=23.98	18.74	<=30	PASS
	Ant2	5290	13.18	<=23.98	18.18	<=30	PASS
	total	5290	16.50	<=23.98	21.48	<=30	PASS
	Ant1	5530	13.33	<=23.98	18.33	<=30	PASS
	Ant2	5530	12.86	<=23.98	17.86	<=30	PASS
	total	5530	16.10	<=23.98	21.11	<=30	PASS
	Ant1	5775	13.11	<=30	18.11	---	PASS
	Ant2	5775	13.68	<=30	18.68	---	PASS
	total	5775	16.40	<=30	21.41	---	PASS

6. Appendix E

Test Equipment	Type/Mode	SERIAL NO.	Equipment No.	Manufacturer	Cal. Due
3m Semi-Anechoic Chamber	FACT-4	ST08035	WKNA-0024	ETS	2024-12-12
Semi-Anechoic Chamber(5m)	SAC-5	SAC-5-2.0	EM-000557	COMTEST	2024-11-02
Spectrum Analyzer	N9010B	MY57470323	DZ-000174	KEYSIGHT	2023-03-02
EMI Test Receiver	N9038A-508	MY532290079	EM-000397	Agilent	2023-03-02
EMI Test Receiver	ESR7	102235	VGDY-0956	R&S	2023-03-03
Broadband Antenna	VULB 9163	9163-530	EM-000342	SCHWARZBECK	2023-06-26
Waveguide Horn Antenna	HF906	360306/008	WKNA-0024-8	R&S	2023-03-04
Waveguide Horn Antenna	BBHA9170	00949	EM-000383	SCHWARZBECK	2022-08-27
Loop Antenna	HLA 6121	540046	EM-000546	TESEQ	2023-06-07
Loop Antenna	FMZB1513	1513-170	EM-000384	SCHWARZBECK	2023-03-04
Broadband Antenna(5m)	VULB 9163	9163-676	EM-000382	SCHWARZBECK	2023-05-06
Bandstop Filters	SW-BSF-2400-100-7-A1	/	EM-000495	/	2022-08-31
5G Bandstop Filters	WRCJV12-4900-5100-5900-6100-50EE	1	DZ-000186	WI	2022-12-20
Spectrum Analyzer	FSV40	101580	DZ-000238-3	R&S	2023-06-05
RF Radio Frequency Switch	JS0806-2	19H9080187	/	Tonscend	2023-06-06

The End