ACCREDITED
CERTIFICATE #5473.01

Test Report No.:
FCC2022-0035-RF2/R3

TEST REPORT

FCC ID	:	2AK43RD-836
Applicant	:	Guangzhou Rigal Electronics Co., Ltd.
Product Name	:	Multimedia Projector
Mode No.	:	RD-***(***for 0-9), ACE K1

CVC Testing Technology Co., Ltd.

Applicant	**Name:** Guangzhou Rigal Electronics Co., Ltd. **Address:** Floor 1, Floor 2, Floor3, Factory Building, No.30, The north of Hongmlandadao, Xiuquan Street, Huadu District, Guangzhou
Manufacturer	**Name:** Guangzhou Rigal Electronics Co., Ltd. **Address:** No.3, Ruixiang Road,Huadu District,Guangzhou
Equipment Under Test	**Product Name :** Multimedia Projector **Model No. :** RD-***(***for 0-9), ACE K1 **Trade mark : —** **Serial no. : —** **Sampling :** 1-1

Date of Receipt.	**2022.06.29**	Date of Testing	**2022.08.30**

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 KDB905462 D02 UNII DFS Compliance Procedures New Rules v02 KDB 905462 D03 UNII Clients Without Radar Detection New Rules v01r02	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: 2022.10.13**

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**.
This report replaces the report No.FCC2022-0035-RF2/R2 after issuance.

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1. General Product Information

1.1 General information

Product Name	Multimedia Projector
Model No.	RD-836
Additional model	RD-***(***for 0-9), ACE K1
Power Supply	AC100-240V~ 50/60Hz
Antenna Type	Internal Antenna
Antenna Gain	Antenna 1: 1.53 dBi (provided by client)
Beamforming gain	Unsupported
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): OFDM 802.11ax (HE20/HE40): OFDMA
Max. Conducted Power	U-NII-1: 11.92 dBm U-NII-2A: 11.78 dBm U-NII-2C: 14.47 dBm U-NII-3: 14.56 dBm
Resource Unit(802.11ax)	■Full RU ☐Partial RU
DFS device type	☐Master ■Slave
TPC Function	■Support ☐Not support
TDWR Band	☐Support ■Not support
Operate Temp.Range	+5°C to +40°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.

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

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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 and different channels.. 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 and channles are shown as following table.

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

Test Mode	Test Modes	Test Channels
Conducted Emissions	IEEE 802.11A TX mode	36
Maximum conducted output power	IEEE 802.11A TX mode/ IEEE 802.11N 20MHz TX mode/ IEEE 802.11N 40MHz TX mode/ IEEE 802.11AC 20MHz TX mode/ IEEE 802.11AC 40MHz TX mode/ IEEE 802.11AX 20MHz TX mode/ IEEE 802.11AX 40MHz TX mode	36,44,48,52,60,64,100,116,140/ 36,44,48,52,60,64,100,116,140/ 38/46/54/62/102/110/134/151/159/ 36,44,48,52,60,64,100,116,140/ 38/46/54/62/102/110/134/151/159/ 36,44,48,52,60,64,100,116,140/ 38/46/54/62/102/110/134/151/159/
Maximum Power spectral density	IEEE 802.11A TX mode/ IEEE 802.11N 20MHz TX mode/ IEEE 802.11N 40MHz TX mode/ IEEE 802.11AC 20MHz TX mode/ IEEE 802.11AC 40MHz TX mode/ IEEE 802.11AX 20MHz TX mode/ IEEE 802.11AX 40MHz TX mode	36,44,48,52,60,64,100,116,140/ 36,44,48,52,60,64,100,116,140/ 38/46/54/62/102/110/134/151/159/ 36,44,48,52,60,64,100,116,140/ 38/46/54/62/102/110/134/151/159/ 36,44,48,52,60,64,100,116,140/ 38/46/54/62/102/110/134/151/159/
Unwanted Emissions (Band Edge Measurement)	IEEE 802.11AX 20MHz TX mode	36,64,100,140,149,165
Unwanted Emissions (Spurious Emissions)	IEEE 802.11AX 20MHz TX mode	36,52,100,149
Min Emission Bandwidth and Emission Bandwidth and Occupied Bandwidth	IEEE 802.11A TX mode/ IEEE 802.11N 20MHz TX mode/ IEEE 802.11N 40MHz TX mode/ IEEE 802.11AC 20MHz TX mode/ IEEE 802.11AC 40MHz TX mode/ IEEE 802.11AX 20MHz TX mode/ IEEE 802.11AX 40MHz TX mode	36,44,48,52,60,64,100,116,140/ 36,44,48,52,60,64,100,116,140/ 38/46/54/62/102/110/134/151/159/ 36,44,48,52,60,64,100,116,140/ 38/46/54/62/102/110/134/151/159/ 36,44,48,52,60,64,100,116,140/ 38/46/54/62/102/110/134/151/159/
Frequency stability	IEEE 802.11A TX mode/ IEEE 802.11N 20MHz TX mode/ IEEE 802.11N 40MHz TX mode/ IEEE 802.11AC 20MHz TX mode/ IEEE 802.11AC 40MHz TX mode/ IEEE 802.11AX 20MHz TX mode/ IEEE 802.11AX 40MHz TX mode	36,44,48,52,60,64,100,116,140/ 36,44,48,52,60,64,100,116,140/ 38/46/54/62/102/110/134/151/159/ 36,44,48,52,60,64,100,116,140/ 38/46/54/62/102/110/134/151/159/ 36,44,48,52,60,64,100,116,140/ 38/46/54/62/102/110/134/151/159/
Dynamic Frequency Selection (DFS)	IEEE 802.11AX 40MHz TX mode	38,62

3.2 Duty cycle

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11A	Ant1	5180	2.69	2.80	96.07	---	---
		5220	2.70	2.73	98.90	---	---
		5240	2.69	2.73	98.53	---	---
		5260	2.69	2.73	98.53	---	---
		5300	2.70	2.79	96.77	---	---
		5320	2.69	2.72	98.90	---	---
		5500	2.70	2.73	98.90	---	---
		5580	2.69	2.73	98.53	---	---
		5700	2.69	2.72	98.90	---	---
		5745	2.69	2.73	98.53	---	---
		5785	2.69	2.73	98.53	---	---
		5825	2.69	2.73	98.53	---	---
11N20SISO	Ant1	5180	2.51	2.54	98.82	---	---
		5220	2.50	2.54	98.43	---	---
		5240	2.50	2.54	98.43	---	---
		5260	2.51	2.54	98.82	---	---
		5300	2.50	2.54	98.43	---	---
		5320	2.50	2.54	98.43	---	---
		5500	2.51	2.61	96.17	---	---
		5580	2.51	2.55	98.43	---	---
		5700	2.50	2.54	98.43	---	---
		5745	2.50	2.54	98.43	---	---
		5785	2.52	2.55	98.82	---	---
		5825	2.50	2.54	98.43	---	---
11N40SISO	Ant1	5190	1.23	1.26	97.62	---	---
		5230	1.22	1.26	96.83	---	---
		5270	1.23	1.27	96.85	---	---
		5310	1.23	1.27	96.85	---	---
		5510	0.94	1.00	94.00	---	---
		5550	0.94	1.14	82.46	---	---
		5670	0.93	1.01	92.08	---	---
		5755	0.94	1.10	85.45	---	---
		5795	0.93	1.05	88.57	---	---
11AC20SISO	Ant1	5180	1.90	1.98	95.96	---	---
		5220	1.90	2.05	92.68	---	---
		5240	1.90	2.06	92.23	---	---
		5260	1.90	2.07	91.79	---	---
		5300	1.89	2.03	93.10	---	---
		5320	1.90	2.08	91.35	---	---
		5500	1.90	2.06	92.23	---	---
		5580	1.90	2.05	92.68	---	---
		5700	1.90	2.06	92.23	---	---
		5745	1.90	2.06	92.23	---	---
		5785	1.89	2.07	91.30	---	---
		5825	1.90	1.98	95.96	---	---
11AC40SISO	Ant1	5190	0.94	0.98	95.92	---	---
		5230	0.94	0.99	94.95	---	---
		5270	0.94	1.02	92.16	---	---
		5310	0.94	1.08	87.04	---	---
		5510	0.94	1.02	92.16	---	---
		5550	0.94	1.01	93.07	---	---
		5670	0.94	1.06	88.68	---	---
		5755	0.94	1.02	92.16	---	---
		5795	0.94	1.06	88.68	---	---

11AX20SISO	Ant1	5180	1.46	1.59	91.82	---	---
		5220	1.46	1.52	96.05	---	---
		5240	1.46	1.58	92.41	---	---
		5260	1.46	1.68	86.90	---	---
		5300	1.46	1.67	87.43	---	---
		5320	1.45	1.54	94.16	---	---
		5500	1.45	1.62	89.51	---	---
		5580	1.45	1.58	91.77	---	---
		5700	1.46	1.62	90.12	---	---
		5745	1.46	1.51	96.69	---	---
		5785	1.46	1.61	90.68	---	---
		5825	1.46	1.58	92.41	---	---
11AX40SISO	Ant1	5190	0.75	0.87	86.21	---	---
		5230	0.75	0.90	83.33	---	---
		5270	0.75	0.92	81.52	---	---
		5310	0.75	0.85	88.24	---	---
		5510	0.75	0.97	77.32	---	---
		5550	0.75	0.79	94.94	---	---
		5670	0.75	0.83	90.36	---	---
		5755	0.75	0.89	84.27	---	---
		5795	0.75	0.86	87.21	---	---

4. Summary of measurement results

Summary of measurements of results	Clause in FCC rules	Verdict	Note
Conducted Emissions	15.207	PASS	/
Maximum conducted output power	15.407(a)	PASS	/
Maximum Power spectral density	15.407(a)	PASS	/
Unwanted Emissions	15.407(b)	PASS	/
Min Emission Bandwidth and Emission Bandwidth and Occupied Bandwidth	15.407(e)	PASS	/
Frequency stability	15.407(g)	PASS	/
Dynamic Frequency Selection (DFS)	15.407(h)	PASS	/

5. Measurement procedure

5.1 Conducted Emission

Ambient condition:

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

Method of Measurement:

The EUT IS placed on a non-metallic table of 80cm height above the horizontal metal reference ground plane. During the test, the EUT was operating in its typical mode. The test method is according to ANSI C63.10-2013.Connect the AC power line of the EUT to the LISN Use EMI receiver to detect the average and Quasi-peak value. RBW is set to 9kHz, VBW is set to 30kHz The measurement result should include both L line and N line.

The test is in transmitting mode.

Limits:

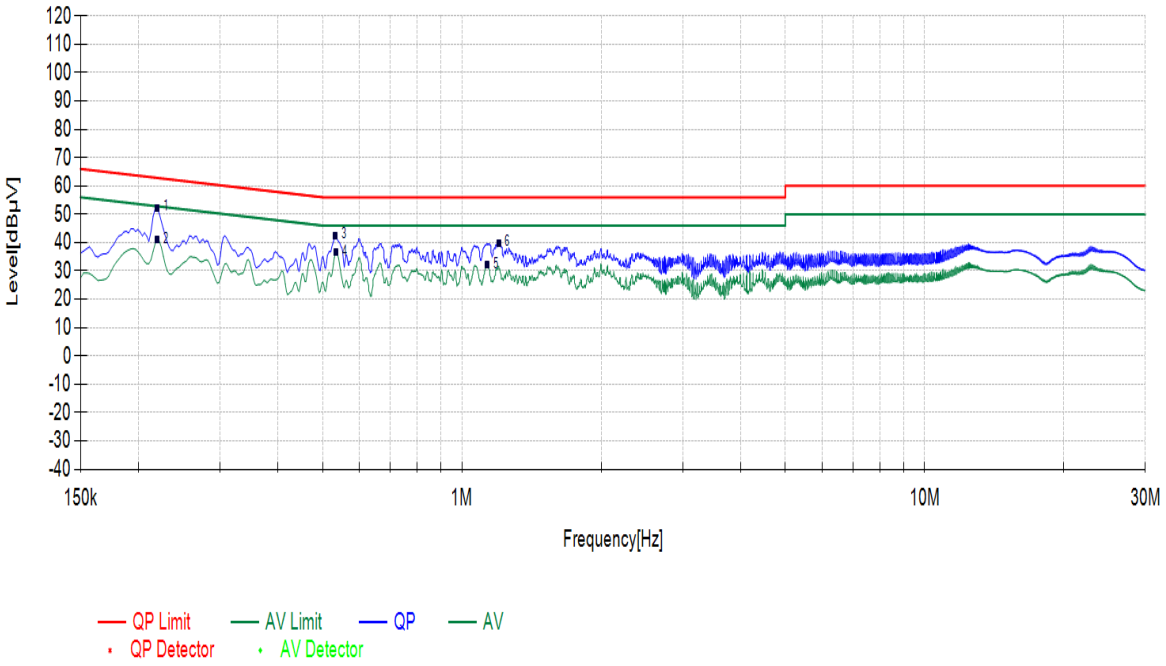
Frequency (MHz)	Conducted Limits(dBμV)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56 *	56 to 46*
0.5 - 5	56	46
5 - 30	60	50
Note 1: The lower limit shall apply at the transition frequencies. Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.		

Test Results:

During the test, the Conducted Emission from 150KHz to 30MHz was performed in all modes with all channels, and all antenna. 802.11a, Channel 36, Antenna1 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

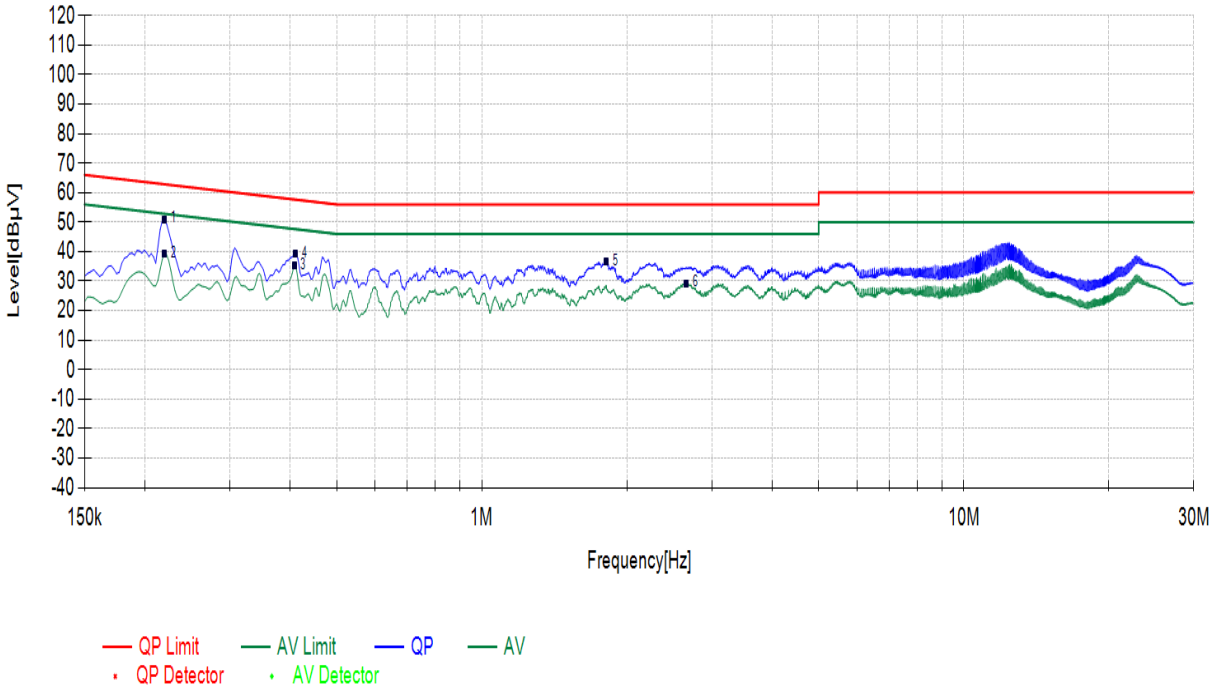
Power Line	L
Test channel	Worst-Case

Suspected List								
NO.	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV]	Limit [dBµV]	Margin [dB]	Detector	Pass/Fail
6	1.2008	10.51	29.27	39.78	56.00	16.22	QP	PASS
1	0.2198	10.46	41.72	52.18	62.83	10.65	QP	PASS
3	0.5325	10.48	31.94	42.42	56.00	13.58	QP	PASS
4	0.5348	10.48	25.94	36.42	46.00	9.58	AV	PASS
5	1.1355	10.51	21.48	31.99	46.00	14.01	AV	PASS
2	0.2198	10.46	30.54	41.00	52.83	11.83	AV	PASS



Power Line	N
Test channel	Worst-Case

Suspected List								
NO.	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV]	Limit [dBµV]	Margin [dB]	Detector	Pass/Fail
1	0.2198	10.27	40.75	51.02	62.83	11.81	QP	PASS
4	0.4110	10.29	28.81	39.10	57.63	18.53	QP	PASS
5	1.8150	10.35	26.15	36.50	56.00	19.50	QP	PASS
2	0.2198	10.27	28.93	39.20	52.83	13.63	AV	PASS
6	2.6588	10.39	18.74	29.13	46.00	16.87	AV	PASS
3	0.4088	10.29	24.93	35.22	47.67	12.45	AV	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.

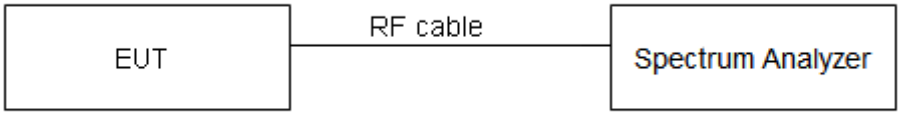
Limits:

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	8.64	<=23.98	10.17	---	PASS
	Ant1	5220	11.92	<=23.98	13.45	---	PASS
	Ant1	5240	11.51	<=23.98	13.04	---	PASS
	Ant1	5260	11.02	<=23.98	12.55	<=26.99	PASS
	Ant1	5300	11.09	<=23.98	12.62	<=26.99	PASS
	Ant1	5320	11.64	<=23.98	13.17	<=26.99	PASS
	Ant1	5500	14.12	<=23.98	15.65	<=26.99	PASS
	Ant1	5580	14.31	<=23.98	15.84	<=26.99	PASS
	Ant1	5700	14.52	<=23.98	16.05	<=26.99	PASS
	Ant1	5745	13.43	<=30.00	14.96	---	PASS
	Ant1	5785	12.93	<=30.00	14.46	---	PASS
	Ant1	5825	10.53	<=30.00	12.06	---	PASS
11N20SISO	Ant1	5180	8.18	<=23.98	9.71	---	PASS
	Ant1	5220	10.61	<=23.98	12.14	---	PASS
	Ant1	5240	11.54	<=23.98	13.07	---	PASS
	Ant1	5260	11.17	<=23.98	12.70	<=26.99	PASS
	Ant1	5300	11.16	<=23.98	12.69	<=26.99	PASS
	Ant1	5320	11.78	<=23.98	13.31	<=26.99	PASS
	Ant1	5500	14.30	<=23.98	15.83	<=26.99	PASS
	Ant1	5580	14.39	<=23.98	15.92	<=26.99	PASS
	Ant1	5700	14.56	<=23.98	16.09	<=26.99	PASS
	Ant1	5745	13.51	<=30.00	15.04	---	PASS
	Ant1	5785	13.00	<=30.00	14.53	---	PASS
	Ant1	5825	10.63	<=30.00	12.16	---	PASS
11N40SISO	Ant1	5190	8.55	<=23.98	10.08	---	PASS
	Ant1	5230	10.66	<=23.98	12.19	---	PASS
	Ant1	5270	10.97	<=23.98	12.50	<=26.99	PASS
	Ant1	5310	11.33	<=23.98	12.86	<=26.99	PASS
	Ant1	5510	14.47	<=23.98	16.00	<=26.99	PASS
	Ant1	5550	14.28	<=23.98	15.81	<=26.99	PASS
	Ant1	5670	14.58	<=23.98	16.11	<=26.99	PASS
	Ant1	5755	13.11	<=30.00	14.64	---	PASS
	Ant1	5795	12.32	<=30.00	13.85	---	PASS
11AC20SISO	Ant1	5180	8.24	<=23.98	9.77	---	PASS
	Ant1	5220	10.58	<=23.98	12.11	---	PASS
	Ant1	5240	11.40	<=23.98	12.93	---	PASS
	Ant1	5260	11.00	<=23.98	12.53	<=26.99	PASS

	Ant1	5300	11.17	<=23.98	12.70	<=26.99	PASS
	Ant1	5320	11.74	<=23.98	13.27	<=26.99	PASS
	Ant1	5500	14.30	<=23.98	15.83	<=26.99	PASS
	Ant1	5580	14.20	<=23.98	15.73	<=26.99	PASS
	Ant1	5700	14.44	<=23.98	15.97	<=26.99	PASS
	Ant1	5745	13.20	<=30.00	14.73	---	PASS
	Ant1	5785	12.93	<=30.00	14.46	---	PASS
	Ant1	5825	10.54	<=30.00	12.07	---	PASS
11AC40SISO	Ant1	5190	8.69	<=23.98	10.22	---	PASS
	Ant1	5230	10.60	<=23.98	12.13	---	PASS
	Ant1	5270	10.74	<=23.98	12.27	<=26.99	PASS
	Ant1	5310	11.56	<=23.98	13.09	<=26.99	PASS
	Ant1	5510	14.29	<=23.98	15.82	<=26.99	PASS
	Ant1	5550	9.88	<=23.98	11.41	<=26.99	PASS
	Ant1	5670	9.25	<=23.98	10.78	<=26.99	PASS
	Ant1	5755	10.12	<=30.00	11.65	---	PASS
	Ant1	5795	9.85	<=30.00	11.38	---	PASS
11AX20SISO	Ant1	5180	4.56	<=23.98	6.09	---	PASS
	Ant1	5220	6.60	<=23.98	8.13	---	PASS
	Ant1	5240	7.06	<=23.98	8.59	---	PASS
	Ant1	5260	6.60	<=23.98	8.13	<=26.99	PASS
	Ant1	5300	6.83	<=23.98	8.36	<=26.99	PASS
	Ant1	5320	8.08	<=23.98	9.61	<=26.99	PASS
	Ant1	5500	10.01	<=23.98	11.54	<=26.99	PASS
	Ant1	5580	9.51	<=23.98	11.04	<=26.99	PASS
	Ant1	5700	9.09	<=23.98	10.62	<=26.99	PASS
	Ant1	5745	10.06	<=30.00	11.59	---	PASS
	Ant1	5785	10.45	<=30.00	11.98	---	PASS
	Ant1	5825	8.94	<=30.00	10.47	---	PASS
11AX40SISO	Ant1	5190	5.23	<=23.98	6.76	---	PASS
	Ant1	5230	6.37	<=23.98	7.90	---	PASS
	Ant1	5270	6.59	<=23.98	8.12	<=26.99	PASS
	Ant1	5310	7.62	<=23.98	9.15	<=26.99	PASS
	Ant1	5510	10.11	<=23.98	11.64	<=26.99	PASS
	Ant1	5550	9.54	<=23.98	11.07	<=26.99	PASS
	Ant1	5670	9.26	<=23.98	10.79	<=26.99	PASS
	Ant1	5755	10.64	<=30.00	12.17	---	PASS
	Ant1	5795	10.32	<=30.00	11.85	---	PASS

5.3 Min Emission Bandwidth and Emission Bandwidth and Occupied Bandwidth

Ambient condition:

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

Method of Measurement:

The EUT was connected to the spectrum analyzer through an external attenuator (20dB) and a known loss cable.

For U-NII-1, set RBW ≈1% OCB kHz, VBW ≥ 3 × RBW, measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 26 dB relative to the maximum level measured in the fundamental emission.

For U-NII-3, Set RBW = 100 kHz, VBW ≥ 3 × RBW, measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

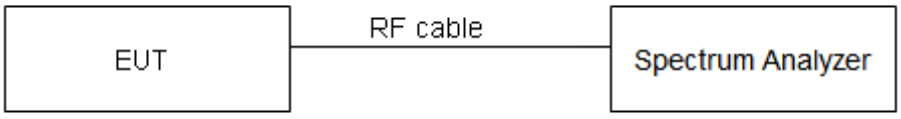
Note: The automatic bandwidth measurement capability of a spectrum analyzer or EMI receiver may be employed if it implements the functionality described above.

Use the 99 % power bandwidth function of the instrument.

Limits:

Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

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= 936 Hz.

Test Results: Min emission bandwidth

TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.36	5736.80	5753.16	0.5	PASS
		5785	16.32	5776.80	5793.12	0.5	PASS
		5825	16.04	5816.80	5832.84	0.5	PASS
11N20SISO	Ant1	5745	17.56	5736.20	5753.76	0.5	PASS
		5785	17.56	5776.20	5793.76	0.5	PASS
		5825	17.56	5816.20	5833.76	0.5	PASS
11N40SISO	Ant1	5755	36.32	5736.84	5773.16	0.5	PASS
		5795	35.92	5776.84	5812.76	0.5	PASS
11AC20SISO	Ant1	5745	17.56	5736.20	5753.76	0.5	PASS
		5785	17.56	5776.20	5793.76	0.5	PASS
		5825	17.32	5816.20	5833.52	0.5	PASS
11AC40SISO	Ant1	5755	36.32	5736.84	5773.16	0.5	PASS
		5795	36.32	5776.84	5813.16	0.5	PASS
11AX20SISO	Ant1	5745	18.96	5735.52	5754.48	0.5	PASS
		5785	18.84	5775.52	5794.36	0.5	PASS
		5825	18.96	5815.44	5834.40	0.5	PASS
11AX40SISO	Ant1	5755	38.00	5736.04	5774.04	0.5	PASS
		5795	37.92	5775.96	5813.88	0.5	PASS

Test Results: Emission Bandwidth

TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	24.56	5167.72	5192.28	---	---
	Ant1	5220	25.48	5207.48	5232.96	---	---
	Ant1	5240	25.04	5227.20	5252.24	---	---
	Ant1	5260	25.36	5247.04	5272.40	---	---
	Ant1	5300	25.32	5287.44	5312.76	---	---
	Ant1	5320	25.04	5307.84	5332.88	---	---
	Ant1	5500	25.60	5486.80	5512.40	---	---
	Ant1	5580	25.40	5567.24	5592.64	---	---
	Ant1	5700	33.44	5682.84	5716.28	---	---
	Ant1	5745	28.92	5730.28	5759.20	---	---
	Ant1	5785	27.32	5770.48	5797.80	---	---
	Ant1	5825	26.20	5810.96	5837.16	---	---
11N20SISO	Ant1	5180	25.72	5167.64	5193.36	---	---
	Ant1	5220	25.96	5207.44	5233.40	---	---
	Ant1	5240	26.04	5227.04	5253.08	---	---
	Ant1	5260	26.24	5247.08	5273.32	---	---
	Ant1	5300	26.64	5287.32	5313.96	---	---
	Ant1	5320	25.60	5307.60	5333.20	---	---
	Ant1	5500	25.92	5486.92	5512.84	---	---
	Ant1	5580	26.28	5566.92	5593.20	---	---
	Ant1	5700	34.44	5682.44	5716.88	---	---
	Ant1	5745	30.08	5729.32	5759.40	---	---
	Ant1	5785	27.12	5771.28	5798.40	---	---
	Ant1	5825	25.72	5811.88	5837.60	---	---
11N40SISO	Ant1	5190	49.36	5165.76	5215.12	---	---
	Ant1	5230	49.04	5205.44	5254.48	---	---
	Ant1	5270	49.76	5244.32	5294.08	---	---
	Ant1	5310	49.52	5285.28	5334.80	---	---
	Ant1	5510	49.28	5485.04	5534.32	---	---
	Ant1	5550	49.52	5525.04	5574.56	---	---
	Ant1	5670	49.92	5638.00	5703.68	---	---
	Ant1	5755	50.32	5723.08	5789.72	---	---
	Ant1	5795	49.60	5767.16	5820.20	---	---
11AC20SISO	Ant1	5180	25.36	5167.28	5192.64	---	---
	Ant1	5220	25.08	5207.40	5232.48	---	---
	Ant1	5240	25.36	5227.20	5252.56	---	---
	Ant1	5260	25.44	5247.00	5272.44	---	---
	Ant1	5300	26.64	5286.84	5313.48	---	---
	Ant1	5320	25.88	5306.76	5332.64	---	---
	Ant1	5500	26.12	5487.08	5513.20	---	---
	Ant1	5580	25.88	5567.16	5593.04	---	---
	Ant1	5700	31.24	5684.16	5715.40	---	---
	Ant1	5745	31.04	5729.40	5760.44	---	---
	Ant1	5785	27.16	5771.00	5798.16	---	---
	Ant1	5825	27.24	5810.76	5838.00	---	---
11AC40SISO	Ant1	5190	48.72	5165.84	5214.56	---	---
	Ant1	5230	48.80	5205.52	5254.32	---	---
	Ant1	5270	51.12	5243.92	5295.04	---	---
	Ant1	5310	49.28	5286.00	5335.28	---	---
	Ant1	5510	50.08	5484.40	5534.48	---	---
	Ant1	5550	49.92	5525.12	5575.04	---	---
	Ant1	5670	50.80	5645.12	5695.92	---	---
	Ant1	5755	52.24	5730.20	5782.44	---	---
	Ant1	5795	50.96	5769.24	5820.20	---	---
11AX20SISO	Ant1	5180	25.36	5167.44	5192.80	---	---
	Ant1	5220	25.12	5207.52	5232.64	---	---
	Ant1	5240	25.08	5227.28	5252.36	---	---
	Ant1	5260	25.52	5247.28	5272.80	---	---

	Ant1	5300	25.40	5287.36	5312.76	---	---
	Ant1	5320	25.00	5307.64	5332.64	---	---
	Ant1	5500	25.48	5487.08	5512.56	---	---
	Ant1	5580	25.56	5567.08	5592.64	---	---
	Ant1	5700	25.60	5687.24	5712.84	---	---
	Ant1	5745	26.04	5732.36	5758.40	---	---
	Ant1	5785	26.72	5771.52	5798.24	---	---
	Ant1	5825	26.32	5811.48	5837.80	---	---
11AX40SISO	Ant1	5190	47.52	5167.44	5214.96	---	---
	Ant1	5230	46.80	5206.64	5253.44	---	---
	Ant1	5270	48.80	5245.44	5294.24	---	---
	Ant1	5310	46.96	5286.64	5333.60	---	---
	Ant1	5510	46.64	5486.24	5532.88	---	---
	Ant1	5550	48.40	5526.08	5574.48	---	---
	Ant1	5670	49.20	5645.92	5695.12	---	---
	Ant1	5755	47.60	5731.80	5779.40	---	---
	Ant1	5795	47.04	5771.80	5818.84	---	---

Test Results: Occupied channel bandwidth

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	18.701	5170.729	5189.431	---	---
	Ant1	5220	18.701	5210.729	5229.431	---	---
	Ant1	5240	18.821	5230.450	5249.271	---	---
	Ant1	5260	18.901	5250.330	5269.231	---	---
	Ant1	5300	18.941	5290.530	5309.471	---	---
	Ant1	5320	19.061	5310.569	5329.630	---	---
	Ant1	5500	18.901	5490.410	5509.311	---	---
	Ant1	5580	18.941	5570.450	5589.391	---	---
	Ant1	5700	19.66	5689.970	5709.630	---	---
	Ant1	5745	19.421	5735.170	5754.590	---	---
	Ant1	5785	18.981	5775.250	5794.231	---	---
	Ant1	5825	18.981	5815.130	5834.111	---	---
11N20SISO	Ant1	5180	19.86	5170.210	5190.070	---	---
	Ant1	5220	19.7	5210.290	5229.990	---	---
	Ant1	5240	19.66	5230.130	5249.790	---	---
	Ant1	5260	19.9	5249.970	5269.870	---	---
	Ant1	5300	19.94	5290.130	5310.070	---	---
	Ant1	5320	19.86	5310.210	5330.070	---	---
	Ant1	5500	19.94	5490.050	5509.990	---	---
	Ant1	5580	19.82	5570.090	5589.910	---	---
	Ant1	5700	20.659	5689.690	5710.350	---	---
	Ant1	5745	20.46	5734.770	5755.230	---	---
	Ant1	5785	20.02	5774.810	5794.830	---	---
	Ant1	5825	19.94	5814.770	5834.710	---	---
11N40SISO	Ant1	5190	38.122	5171.139	5209.261	---	---
	Ant1	5230	37.882	5211.059	5248.941	---	---
	Ant1	5270	37.962	5250.899	5288.861	---	---
	Ant1	5310	38.042	5291.059	5329.101	---	---
	Ant1	5510	37.722	5490.979	5528.701	---	---
	Ant1	5550	37.802	5530.899	5568.701	---	---
	Ant1	5670	38.122	5650.899	5689.021	---	---
	Ant1	5755	38.122	5735.979	5774.101	---	---
	Ant1	5795	37.882	5775.819	5813.701	---	---
11AC20SISO	Ant1	5180	19.98	5170.210	5190.190	---	---
	Ant1	5220	19.74	5210.250	5229.990	---	---
	Ant1	5240	19.74	5230.090	5249.830	---	---
	Ant1	5260	20.02	5250.010	5270.030	---	---
	Ant1	5300	19.94	5290.250	5310.190	---	---
	Ant1	5320	19.9	5310.290	5330.190	---	---
	Ant1	5500	19.94	5490.050	5509.990	---	---
	Ant1	5580	19.98	5570.050	5590.030	---	---
	Ant1	5700	20.26	5689.890	5710.150	---	---
	Ant1	5745	20.14	5735.050	5755.190	---	---
	Ant1	5785	19.98	5774.890	5794.870	---	---
	Ant1	5825	20.02	5814.810	5834.830	---	---
11AC40SISO	Ant1	5190	37.802	5171.299	5209.101	---	---
	Ant1	5230	37.722	5211.219	5248.941	---	---
	Ant1	5270	37.882	5251.059	5288.941	---	---
	Ant1	5310	37.882	5291.379	5329.261	---	---
	Ant1	5510	37.642	5491.219	5528.861	---	---
	Ant1	5550	37.562	5531.139	5568.701	---	---
	Ant1	5670	37.962	5651.059	5689.021	---	---
	Ant1	5755	38.122	5736.139	5774.261	---	---
	Ant1	5795	38.042	5775.819	5813.861	---	---
11AX20SISO	Ant1	5180	20.18	5170.010	5190.190	---	---
	Ant1	5220	20.06	5210.050	5230.110	---	---
	Ant1	5240	20.06	5229.930	5249.990	---	---
	Ant1	5260	20.18	5249.890	5270.070	---	---

	Ant1	5300	20.22	5289.970	5310.190	---	---
	Ant1	5320	20.1	5310.050	5330.150	---	---
	Ant1	5500	20.14	5489.930	5510.070	---	---
	Ant1	5580	20.1	5569.930	5590.030	---	---
	Ant1	5700	20.38	5689.770	5710.150	---	---
	Ant1	5745	20.3	5734.890	5755.190	---	---
	Ant1	5785	20.26	5774.850	5795.110	---	---
	Ant1	5825	20.22	5814.770	5834.990	---	---
11AX40SISO	Ant1	5190	38.761	5170.819	5209.580	---	---
	Ant1	5230	38.601	5210.739	5249.341	---	---
	Ant1	5270	38.601	5250.659	5289.261	---	---
	Ant1	5310	38.681	5290.819	5329.501	---	---
	Ant1	5510	38.601	5490.739	5529.341	---	---
	Ant1	5550	38.521	5530.659	5569.181	---	---
	Ant1	5670	38.761	5650.739	5689.501	---	---
	Ant1	5755	38.681	5735.739	5774.421	---	---
	Ant1	5795	38.761	5775.500	5814.261	---	---

5.4 Maximum Power Spectral Density

Ambient condition:

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

Method of Measurement:

The EUT was connected to the spectrum analyzer through an external attenuator (20dB) and a known loss cable.

Set RBW = 500 kHz, VBW =1.5MHz for the band 5.725-5.85 GHz

Set RBW = 1 MHz, VBW =3MHz for the band 5.150-5.250 GHz

The conducted PSD is measured at each antenna port. The measured results at the various antenna ports are then summed mathematically.

Limits:

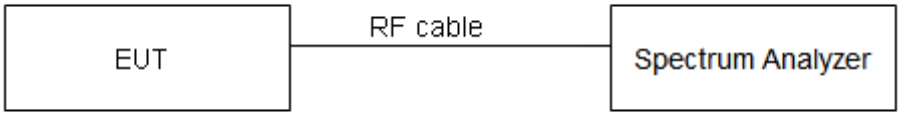
For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting 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 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 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.

Frequency Bands/MHz	Limits
5150-5250	11dBm/MHz
5.25-5.35 GHz and 5.47-5.725 GHz	11dBm/MHz
5725-5850	30dBm/500kHz

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= 0.75dB.

Test Results:

TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	-2.64	<=11	PASS
		5220	0.57	<=11	PASS
		5240	0.11	<=11	PASS
		5260	-0.29	<=11	PASS
		5300	-0.25	<=11	PASS
		5320	0.42	<=11	PASS
		5500	2.7	<=11	PASS
		5580	2.86	<=11	PASS
		5700	3.17	<=11	PASS
		5745	-0.88	<=30.00	PASS
		5785	-1.2	<=30.00	PASS
		5825	-3.5	<=30.00	PASS
11N20SISO	Ant1	5180	-3.24	<=11	PASS
		5220	-0.8	<=11	PASS
		5240	-0.1	<=11	PASS
		5260	-0.41	<=11	PASS
		5300	-0.45	<=11	PASS
		5320	0.29	<=11	PASS
		5500	2.58	<=11	PASS
		5580	2.68	<=11	PASS
		5700	2.99	<=11	PASS
		5745	-1.14	<=30.00	PASS
		5785	-1.42	<=30.00	PASS
		5825	-3.71	<=30.00	PASS
11N40SISO	Ant1	5190	-5.91	<=11	PASS
		5230	-4.17	<=11	PASS
		5270	-4.05	<=11	PASS
		5510	-5.28	<=11	PASS
		5550	-4.53	<=11	PASS
		5670	-6.15	<=11	PASS
		5755	-7.06	<=30.00	PASS
		5795	-7.6	<=30.00	PASS
11AC20SISO	Ant1	5180	-7.02	<=11	PASS
		5220	-4.98	<=11	PASS
		5240	-4.4	<=11	PASS
		5260	-3.9	<=11	PASS
		5300	-3.86	<=11	PASS
		5320	-2.75	<=11	PASS
		5500	-1.4	<=11	PASS

		5580	-1.76	<=11	PASS
		5700	-2.02	<=11	PASS
		5745	-3.98	<=30.00	PASS
		5785	-3.49	<=30.00	PASS
		5825	-5.23	<=30.00	PASS
11AC40SISO	Ant1	5190	-9.19	<=11	PASS
		5230	-8.1	<=11	PASS
		5270	-8.13	<=11	PASS
		5310	-6.21	<=11	PASS
		5510	-4.64	<=11	PASS
		5550	-4.5	<=11	PASS
		5670	-5.43	<=11	PASS
		5755	-7.12	<=30.00	PASS
		5795	-6.84	<=30.00	PASS
11AX20SISO	Ant1	5180	-6.45	<=11	PASS
		5220	-4.55	<=11	PASS
		5240	-3.79	<=11	PASS
		5260	-4.19	<=11	PASS
		5300	-3.5	<=11	PASS
		5320	-2.95	<=11	PASS
		5500	-1.25	<=11	PASS
		5580	-1.62	<=11	PASS
		5700	-1.85	<=11	PASS
		5745	-4.09	<=30.00	PASS
		5785	-3.83	<=30.00	PASS
		5825	-5.12	<=30.00	PASS
11AX40SISO	Ant1	5190	-8.71	<=11	PASS
		5230	-7.42	<=11	PASS
		5270	-7.55	<=11	PASS
		5310	-6.34	<=11	PASS
		5510	-3.94	<=11	PASS
		5550	-4.74	<=11	PASS
		5670	-5.69	<=11	PASS
		5755	-6.79	<=30.00	PASS
		5795	-7.41	<=30.00	PASS

5.5 Frequency Stability

Ambient condition:

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

Method of Measurement:

1. Frequency stability with respect to ambient temperature

a) Supply the EUT with a nominal ac voltage or install a new or fully charged battery in the EUT. If possible, a dummy load shall be connected to the EUT because an antenna near the metallic walls of an environmental test chamber could affect the output frequency of the EUT. If the EUT is equipped with a permanently attached, adjustable-length antenna, then the EUT shall be placed in the center of the chamber with the antenna adjusted to the shortest length possible. Turn ON the EUT and tune it to one of the number of frequencies shown in 5.6.

b) Couple the unlicensed wireless device output to the measuring instrument by connecting an antenna to the measuring instrument with a suitable length of coaxial cable and placing the measuring antenna near the EUT (e.g., 15 cm away), or by connecting a dummy load to the measuring instrument, through an attenuator if necessary.

c) Adjust the location of the measurement antenna and the controls on the measurement instrument to obtain a suitable signal level (i.e., a level that will not overload the measurement instrument but is strong enough to allow measurement of the operating or fundamental frequency of the EUT).

d) Turn the EUT OFF and place it inside the environmental temperature chamber. For devices that have oscillator heaters, energize only the heater circuit.

e) Set the temperature control on the chamber to the highest specified in the regulatory requirements for the type of device and allow the oscillator heater and the chamber temperature to stabilize.

f) While maintaining a constant temperature inside the environmental chamber, turn the EUT ON and record the operating frequency at startup, and at 2 minutes, 5 minutes, and 10 minutes after the EUT is energized. Four measurements in total are made.

g) Measure the frequency at each of frequencies specified in 5.6.

h) Switch OFF the EUT but do not switch OFF the oscillator heater.

i) Lower the chamber temperature by not more that 10 C, and allow the temperature inside the chamber to stabilize.

j) Repeat step f) through step i) down to the lowest specified temperature.

2. Frequency stability when varying supply voltage

Unless otherwise specified, these tests shall be made at ambient room temperature (+15 C to +25 C). An antenna shall be connected to the antenna output terminals of the EUT if possible. If the EUT is equipped with or uses an adjustable-length antenna, then it shall be fully extended.

a) Supply the EUT with nominal voltage or install a new or fully charged battery in the EUT. Turn ON the EUT and couple its output to a frequency counter or other frequency-measuring instrument.

b) Tune the EUT to one of the number of frequencies required in 5.6. Adjust the location of the measurement antenna and the controls on the measurement instrument to obtain a suitable signal level (i.e., a level that will not overload the measurement instrument but is strong enough to allow measurement of the operating or fundamental frequency of the EUT).

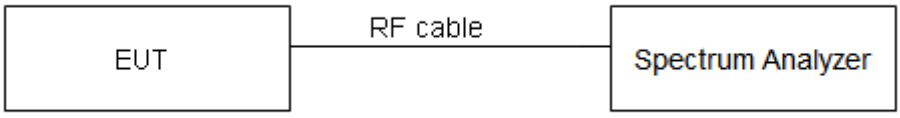
c) Measure the frequency at each of the frequencies specified in 5.6.

d) Repeat the above procedure at 85% and 115% of the nominal supply voltage.

Limits:

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual.

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= 936 Hz.

Test Results:

Voltage								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	NT	-20000.00	-3.861004	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant1	5220	NV	NT	-40000.00	-7.662835	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant1	5240	NV	NT	-40000.00	-7.633588	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	-40000.00	-7.633588	20	PASS
	Ant1	5260	NV	NT	-20000.00	-3.802281	20	PASS
			LV	NT	-20000.00	-3.802281	20	PASS
			HV	NT	-40000.00	-7.604563	20	PASS
	Ant1	5300	NV	NT	-20000.00	-3.773585	20	PASS
			LV	NT	-20000.00	-3.773585	20	PASS
			HV	NT	-40000.00	-7.547170	20	PASS
	Ant1	5320	NV	NT	-20000.00	-3.759398	20	PASS
			LV	NT	-20000.00	-3.759398	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant1	5500	NV	NT	-20000.00	-3.636364	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	-20000.00	-3.636364	20	PASS
	Ant1	5580	NV	NT	-20000.00	-3.584229	20	PASS
			LV	NT	-40000.00	-7.168459	20	PASS
			HV	NT	-20000.00	-3.584229	20	PASS
	Ant1	5700	NV	NT	-20000.00	-3.508772	20	PASS
			LV	NT	-20000.00	-3.508772	20	PASS
			HV	NT	-40000.00	-7.017544	20	PASS
	Ant1	5745	NV	NT	-20000.00	-3.481288	20	PASS
			LV	NT	-20000.00	-3.481288	20	PASS
			HV	NT	-20000.00	-3.481288	20	PASS
	Ant1	5785	NV	NT	-40000.00	-6.914434	20	PASS
			LV	NT	-40000.00	-6.914434	20	PASS
			HV	NT	-40000.00	-6.914434	20	PASS
	Ant1	5825	NV	NT	-20000.00	-3.433476	20	PASS
			LV	NT	-20000.00	-3.433476	20	PASS
			HV	NT	-20000.00	-3.433476	20	PASS
11N20SISO	Ant1	5180	NV	NT	0.00	0.000000	20	PASS
			LV	NT	-20000.00	-3.861004	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant1	5220	NV	NT	-20000.00	-3.831418	20	PASS
			LV	NT	-20000.00	-3.831418	20	PASS
			HV	NT	-20000.00	-3.831418	20	PASS
	Ant1	5240	NV	NT	-20000.00	-3.816794	20	PASS
			LV	NT	-20000.00	-3.816794	20	PASS
			HV	NT	-20000.00	-3.816794	20	PASS
	Ant1	5260	NV	NT	-40000.00	-7.604563	20	PASS
			LV	NT	-20000.00	-3.802281	20	PASS
			HV	NT	-20000.00	-3.802281	20	PASS
	Ant1	5300	NV	NT	-20000.00	-3.773585	20	PASS
			LV	NT	-20000.00	-3.773585	20	PASS
			HV	NT	-20000.00	-3.773585	20	PASS
	Ant1	5320	NV	NT	-20000.00	-3.759398	20	PASS
			LV	NT	-20000.00	-3.759398	20	PASS
			HV	NT	-20000.00	-3.759398	20	PASS
	Ant1	5500	NV	NT	-20000.00	-3.636364	20	PASS
			LV	NT	-20000.00	-3.636364	20	PASS
			HV	NT	-20000.00	-3.636364	20	PASS
	Ant1	5580	NV	NT	-20000.00	-3.584229	20	PASS

			LV	NT	-20000.00	-3.584229	20	PASS
			HV	NT	-20000.00	-3.584229	20	PASS
	Ant1	5700	NV	NT	-20000.00	-3.508772	20	PASS
			LV	NT	-20000.00	-3.508772	20	PASS
			HV	NT	-20000.00	-3.508772	20	PASS
	Ant1	5745	NV	NT	-20000.00	-3.481288	20	PASS
			LV	NT	-20000.00	-3.481288	20	PASS
			HV	NT	-20000.00	-3.481288	20	PASS
	Ant1	5785	NV	NT	-20000.00	-3.457217	20	PASS
			LV	NT	-20000.00	-3.457217	20	PASS
			HV	NT	-20000.00	-3.457217	20	PASS
	Ant1	5825	NV	NT	-20000.00	-3.433476	20	PASS
			LV	NT	-20000.00	-3.433476	20	PASS
			HV	NT	-20000.00	-3.433476	20	PASS
11N40SISO	Ant1	5190	NV	NT	0.00	0.000000	20	PASS
			LV	NT	-40000.00	-7.707129	20	PASS
			HV	NT	-40000.00	-7.707129	20	PASS
	Ant1	5230	NV	NT	-40000.00	-7.648184	20	PASS
			LV	NT	-40000.00	-7.648184	20	PASS
			HV	NT	-40000.00	-7.648184	20	PASS
	Ant1	5270	NV	NT	-40000.00	-7.590133	20	PASS
			LV	NT	-40000.00	-7.590133	20	PASS
			HV	NT	-40000.00	-7.590133	20	PASS
	Ant1	5310	NV	NT	0.00	0.000000	20	PASS
			LV	NT	-40000.00	-7.532957	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant1	5510	NV	NT	-40000.00	-7.259528	20	PASS
			LV	NT	-40000.00	-7.259528	20	PASS
			HV	NT	-40000.00	-7.259528	20	PASS
	Ant1	5550	NV	NT	0.00	0.000000	20	PASS
			LV	NT	-40000.00	-7.207207	20	PASS
			HV	NT	-40000.00	-7.207207	20	PASS
	Ant1	5670	NV	NT	-40000.00	-7.054674	20	PASS
			LV	NT	-40000.00	-7.054674	20	PASS
			HV	NT	-40000.00	-7.054674	20	PASS
	Ant1	5755	NV	NT	-40000.00	-6.950478	20	PASS
			LV	NT	-40000.00	-6.950478	20	PASS
			HV	NT	-40000.00	-6.950478	20	PASS
	Ant1	5795	NV	NT	-40000.00	-6.902502	20	PASS
			LV	NT	-40000.00	-6.902502	20	PASS
			HV	NT	-40000.00	-6.902502	20	PASS
11AC20SISO	Ant1	5180	NV	NT	-20000.00	-3.861004	20	PASS
			LV	NT	-20000.00	-3.861004	20	PASS
			HV	NT	-20000.00	-3.861004	20	PASS
	Ant1	5220	NV	NT	-20000.00	-3.831418	20	PASS
			LV	NT	-20000.00	-3.831418	20	PASS
			HV	NT	-20000.00	-3.831418	20	PASS
	Ant1	5240	NV	NT	-20000.00	-3.816794	20	PASS
			LV	NT	-20000.00	-3.816794	20	PASS
			HV	NT	-20000.00	-3.816794	20	PASS
	Ant1	5260	NV	NT	-20000.00	-3.802281	20	PASS
			LV	NT	-20000.00	-3.802281	20	PASS
			HV	NT	-20000.00	-3.802281	20	PASS
	Ant1	5300	NV	NT	-20000.00	-3.773585	20	PASS
			LV	NT	-20000.00	-3.773585	20	PASS
			HV	NT	-20000.00	-3.773585	20	PASS
	Ant1	5320	NV	NT	-20000.00	-3.759398	20	PASS
			LV	NT	-20000.00	-3.759398	20	PASS
			HV	NT	-20000.00	-3.759398	20	PASS
	Ant1	5500	NV	NT	0.00	0.000000	20	PASS
			LV	NT	-20000.00	-3.636364	20	PASS
			HV	NT	-20000.00	-3.636364	20	PASS
	Ant1	5580	NV	NT	-20000.00	-3.584229	20	PASS
			LV	NT	-20000.00	-3.584229	20	PASS

			HV	NT	-20000.00	-3.584229	20	PASS
	Ant1	5700	NV	NT	-20000.00	-3.508772	20	PASS
			LV	NT	-20000.00	-3.508772	20	PASS
			HV	NT	-20000.00	-3.508772	20	PASS
	Ant1	5745	NV	NT	-20000.00	-3.481288	20	PASS
			LV	NT	-20000.00	-3.481288	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant1	5785	NV	NT	-20000.00	-3.457217	20	PASS
			LV	NT	-20000.00	-3.457217	20	PASS
			HV	NT	-20000.00	-3.457217	20	PASS
	Ant1	5825	NV	NT	-20000.00	-3.433476	20	PASS
			LV	NT	-40000.00	-6.866953	20	PASS
			HV	NT	-20000.00	-3.433476	20	PASS
11AC40SISO	Ant1	5190	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant1	5230	NV	NT	-40000.00	-7.648184	20	PASS
			LV	NT	-40000.00	-7.648184	20	PASS
			HV	NT	-40000.00	-7.648184	20	PASS
	Ant1	5270	NV	NT	-40000.00	-7.590133	20	PASS
			LV	NT	-40000.00	-7.590133	20	PASS
			HV	NT	-40000.00	-7.590133	20	PASS
	Ant1	5310	NV	NT	-40000.00	-7.532957	20	PASS
			LV	NT	-40000.00	-7.532957	20	PASS
			HV	NT	-40000.00	-7.532957	20	PASS
	Ant1	5510	NV	NT	-40000.00	-7.259528	20	PASS
			LV	NT	-40000.00	-7.259528	20	PASS
			HV	NT	-40000.00	-7.259528	20	PASS
	Ant1	5550	NV	NT	-40000.00	-7.207207	20	PASS
			LV	NT	-40000.00	-7.207207	20	PASS
			HV	NT	-40000.00	-7.207207	20	PASS
	Ant1	5670	NV	NT	-40000.00	-7.054674	20	PASS
			LV	NT	-40000.00	-7.054674	20	PASS
			HV	NT	-40000.00	-7.054674	20	PASS
	Ant1	5755	NV	NT	-40000.00	-6.950478	20	PASS
			LV	NT	-40000.00	-6.950478	20	PASS
			HV	NT	-40000.00	-6.950478	20	PASS
	Ant1	5795	NV	NT	-40000.00	-6.902502	20	PASS
			LV	NT	-40000.00	-6.902502	20	PASS
			HV	NT	-40000.00	-6.902502	20	PASS
11AX20SISO	Ant1	5180	NV	NT	-20000.00	-3.861004	20	PASS
			LV	NT	-20000.00	-3.861004	20	PASS
			HV	NT	-20000.00	-3.861004	20	PASS
	Ant1	5220	NV	NT	-20000.00	-3.831418	20	PASS
			LV	NT	-20000.00	-3.831418	20	PASS
			HV	NT	-20000.00	-3.831418	20	PASS
	Ant1	5240	NV	NT	-20000.00	-3.816794	20	PASS
			LV	NT	-20000.00	-3.816794	20	PASS
			HV	NT	-20000.00	-3.816794	20	PASS
	Ant1	5260	NV	NT	-20000.00	-3.802281	20	PASS
			LV	NT	-20000.00	-3.802281	20	PASS
			HV	NT	-20000.00	-3.802281	20	PASS
	Ant1	5300	NV	NT	-20000.00	-3.773585	20	PASS
			LV	NT	-20000.00	-3.773585	20	PASS
			HV	NT	-20000.00	-3.773585	20	PASS
	Ant1	5320	NV	NT	-20000.00	-3.759398	20	PASS
			LV	NT	-20000.00	-3.759398	20	PASS
			HV	NT	-20000.00	-3.759398	20	PASS
	Ant1	5500	NV	NT	-20000.00	-3.636364	20	PASS
			LV	NT	-20000.00	-3.636364	20	PASS
			HV	NT	-20000.00	-3.636364	20	PASS
	Ant1	5580	NV	NT	-20000.00	-3.584229	20	PASS
			LV	NT	-20000.00	-3.584229	20	PASS
			HV	NT	-20000.00	-3.584229	20	PASS

	Ant1	5700	NV	NT	-20000.00	-3.508772	20	PASS
			LV	NT	-20000.00	-3.508772	20	PASS
			HV	NT	-20000.00	-3.508772	20	PASS
	Ant1	5745	NV	NT	-20000.00	-3.481288	20	PASS
			LV	NT	-20000.00	-3.481288	20	PASS
			HV	NT	-20000.00	-3.481288	20	PASS
	Ant1	5785	NV	NT	-20000.00	-3.457217	20	PASS
			LV	NT	-20000.00	-3.457217	20	PASS
			HV	NT	-20000.00	-3.457217	20	PASS
	Ant1	5825	NV	NT	-20000.00	-3.433476	20	PASS
			LV	NT	-20000.00	-3.433476	20	PASS
			HV	NT	-20000.00	-3.433476	20	PASS
11AX40SISO	Ant1	5190	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant1	5230	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant1	5270	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant1	5310	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant1	5510	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant1	5550	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant1	5670	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant1	5755	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant1	5795	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS

Temperature								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	-30	-20000.00	-3.861004	20	PASS
			NV	-20	-20000.00	-3.861004	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	-20000.00	-3.861004	20	PASS
			NV	10	-20000.00	-3.861004	20	PASS
			NV	20	-20000.00	-3.861004	20	PASS
			NV	30	-20000.00	-3.861004	20	PASS
			NV	40	-20000.00	-3.861004	20	PASS
			NV	50	-20000.00	-3.861004	20	PASS
	Ant1	5220	NV	-30	-20000.00	-3.831418	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	-20000.00	-3.831418	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-20000.00	-3.831418	20	PASS
			NV	40	-20000.00	-3.831418	20	PASS
			NV	50	0.00	0.000000	20	PASS
	Ant1	5240	NV	-30	0.00	0.000000	20	PASS

			NV	-20	0.00	0.000000	20	PASS
			NV	-10	-20000.00	-3.816794	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	-20000.00	-3.816794	20	PASS
			NV	20	-20000.00	-3.816794	20	PASS
			NV	30	-20000.00	-3.816794	20	PASS
			NV	40	-20000.00	-3.816794	20	PASS
			NV	50	-20000.00	-3.816794	20	PASS
	Ant1	5260	NV	-30	-20000.00	-3.802281	20	PASS
			NV	-20	-40000.00	-7.604563	20	PASS
			NV	-10	-40000.00	-7.604563	20	PASS
			NV	0	-20000.00	-3.802281	20	PASS
			NV	10	-20000.00	-3.802281	20	PASS
			NV	20	-20000.00	-3.802281	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-20000.00	-3.802281	20	PASS
			NV	50	-20000.00	-3.802281	20	PASS
	Ant1	5300	NV	-30	-20000.00	-3.773585	20	PASS
			NV	-20	-20000.00	-3.773585	20	PASS
			NV	-10	-20000.00	-3.773585	20	PASS
			NV	0	-20000.00	-3.773585	20	PASS
			NV	10	-20000.00	-3.773585	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-40000.00	-7.547170	20	PASS
			NV	40	-40000.00	-7.547170	20	PASS
			NV	50	0.00	0.000000	20	PASS
	Ant1	5320	NV	-30	0.00	0.000000	20	PASS
			NV	-20	-20000.00	-3.759398	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	-20000.00	-3.759398	20	PASS
			NV	20	-20000.00	-3.759398	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-20000.00	-3.759398	20	PASS
			NV	50	-20000.00	-3.759398	20	PASS
	Ant1	5500	NV	-30	-20000.00	-3.636364	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	-20000.00	-3.636364	20	PASS
			NV	0	-40000.00	-7.272727	20	PASS
			NV	10	-20000.00	-3.636364	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-20000.00	-3.636364	20	PASS
			NV	40	-20000.00	-3.636364	20	PASS
			NV	50	0.00	0.000000	20	PASS
	Ant1	5580	NV	-30	0.00	0.000000	20	PASS
			NV	-20	-20000.00	-3.584229	20	PASS
			NV	-10	-40000.00	-7.168459	20	PASS
			NV	0	-20000.00	-3.584229	20	PASS
			NV	10	-20000.00	-3.584229	20	PASS
			NV	20	-20000.00	-3.584229	20	PASS
			NV	30	-20000.00	-3.584229	20	PASS
			NV	40	-20000.00	-3.584229	20	PASS
			NV	50	-20000.00	-3.584229	20	PASS
	Ant1	5700	NV	-30	-20000.00	-3.508772	20	PASS
			NV	-20	-20000.00	-3.508772	20	PASS
			NV	-10	-20000.00	-3.508772	20	PASS
			NV	0	-40000.00	-7.017544	20	PASS
			NV	10	-20000.00	-3.508772	20	PASS
			NV	20	-20000.00	-3.508772	20	PASS
			NV	30	-20000.00	-3.508772	20	PASS
			NV	40	-20000.00	-3.508772	20	PASS
			NV	50	-20000.00	-3.508772	20	PASS
	Ant1	5745	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS

			NV	-10	-20000.00	-3.481288	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-20000.00	-3.481288	20	PASS
			NV	40	-40000.00	-6.962576	20	PASS
			NV	50	-40000.00	-6.962576	20	PASS
	Ant1	5785	NV	-30	-20000.00	-3.457217	20	PASS
			NV	-20	-20000.00	-3.457217	20	PASS
			NV	-10	-20000.00	-3.457217	20	PASS
			NV	0	-20000.00	-3.457217	20	PASS
			NV	10	-20000.00	-3.457217	20	PASS
			NV	20	-20000.00	-3.457217	20	PASS
			NV	30	-20000.00	-3.457217	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	0.00	0.000000	20	PASS
	Ant1	5825	NV	-30	-20000.00	-3.433476	20	PASS
			NV	-20	-20000.00	-3.433476	20	PASS
			NV	-10	-40000.00	-6.866953	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	-20000.00	-3.433476	20	PASS
			NV	20	-20000.00	-3.433476	20	PASS
			NV	30	-20000.00	-3.433476	20	PASS
			NV	40	-40000.00	-6.866953	20	PASS
			NV	50	-20000.00	-3.433476	20	PASS
11N20SISO	Ant1	5180	NV	-30	-20000.00	-3.861004	20	PASS
			NV	-20	-20000.00	-3.861004	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	-20000.00	-3.861004	20	PASS
			NV	10	-20000.00	-3.861004	20	PASS
			NV	20	-20000.00	-3.861004	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-20000.00	-3.861004	20	PASS
			NV	50	-20000.00	-3.861004	20	PASS
	Ant1	5220	NV	-30	-20000.00	-3.831418	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	-20000.00	-3.831418	20	PASS
			NV	0	-20000.00	-3.831418	20	PASS
			NV	10	-20000.00	-3.831418	20	PASS
			NV	20	-20000.00	-3.831418	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-20000.00	-3.831418	20	PASS
			NV	50	-20000.00	-3.831418	20	PASS
	Ant1	5240	NV	-30	-20000.00	-3.816794	20	PASS
			NV	-20	-20000.00	-3.816794	20	PASS
			NV	-10	-20000.00	-3.816794	20	PASS
			NV	0	-20000.00	-3.816794	20	PASS
			NV	10	-20000.00	-3.816794	20	PASS
			NV	20	-40000.00	-7.633588	20	PASS
			NV	30	-20000.00	-3.816794	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	-20000.00	-3.816794	20	PASS
	Ant1	5260	NV	-30	-40000.00	-7.604563	20	PASS
			NV	-20	-40000.00	-7.604563	20	PASS
			NV	-10	-20000.00	-3.802281	20	PASS
			NV	0	-20000.00	-3.802281	20	PASS
			NV	10	-20000.00	-3.802281	20	PASS
			NV	20	-40000.00	-7.604563	20	PASS
			NV	30	-20000.00	-3.802281	20	PASS
			NV	40	-20000.00	-3.802281	20	PASS
			NV	50	-20000.00	-3.802281	20	PASS
	Ant1	5300	NV	-30	-20000.00	-3.773585	20	PASS
			NV	-20	-20000.00	-3.773585	20	PASS
			NV	-10	0.00	0.000000	20	PASS

			NV	0	-20000.00	-3.773585	20	PASS
			NV	10	-20000.00	-3.773585	20	PASS
			NV	20	-20000.00	-3.773585	20	PASS
			NV	30	-20000.00	-3.773585	20	PASS
			NV	40	-20000.00	-3.773585	20	PASS
			NV	50	-20000.00	-3.773585	20	PASS
	Ant1	5320	NV	-30	-40000.00	-7.518797	20	PASS
			NV	-20	-20000.00	-3.759398	20	PASS
			NV	-10	-40000.00	-7.518797	20	PASS
			NV	0	-20000.00	-3.759398	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	-20000.00	-3.759398	20	PASS
			NV	30	-40000.00	-7.518797	20	PASS
			NV	40	-40000.00	-7.518797	20	PASS
			NV	50	-20000.00	-3.759398	20	PASS
	Ant1	5500	NV	-30	-20000.00	-3.636364	20	PASS
			NV	-20	-20000.00	-3.636364	20	PASS
			NV	-10	-20000.00	-3.636364	20	PASS
			NV	0	-20000.00	-3.636364	20	PASS
			NV	10	-20000.00	-3.636364	20	PASS
			NV	20	-20000.00	-3.636364	20	PASS
			NV	30	-40000.00	-7.272727	20	PASS
			NV	40	-20000.00	-3.636364	20	PASS
			NV	50	-20000.00	-3.636364	20	PASS
	Ant1	5580	NV	-30	-20000.00	-3.584229	20	PASS
			NV	-20	-20000.00	-3.584229	20	PASS
			NV	-10	-20000.00	-3.584229	20	PASS
			NV	0	-40000.00	-7.168459	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-20000.00	-3.584229	20	PASS
			NV	40	-20000.00	-3.584229	20	PASS
			NV	50	-20000.00	-3.584229	20	PASS
	Ant1	5700	NV	-30	-20000.00	-3.508772	20	PASS
			NV	-20	-40000.00	-7.017544	20	PASS
			NV	-10	-20000.00	-3.508772	20	PASS
			NV	0	-20000.00	-3.508772	20	PASS
			NV	10	-20000.00	-3.508772	20	PASS
			NV	20	-20000.00	-3.508772	20	PASS
			NV	30	-20000.00	-3.508772	20	PASS
			NV	40	-20000.00	-3.508772	20	PASS
			NV	50	-20000.00	-3.508772	20	PASS
	Ant1	5745	NV	-30	-20000.00	-3.481288	20	PASS
			NV	-20	-20000.00	-3.481288	20	PASS
			NV	-10	-20000.00	-3.481288	20	PASS
			NV	0	-20000.00	-3.481288	20	PASS
			NV	10	-20000.00	-3.481288	20	PASS
			NV	20	-20000.00	-3.481288	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-20000.00	-3.481288	20	PASS
			NV	50	-20000.00	-3.481288	20	PASS
	Ant1	5785	NV	-30	-20000.00	-3.457217	20	PASS
			NV	-20	-40000.00	-6.914434	20	PASS
			NV	-10	-20000.00	-3.457217	20	PASS
			NV	0	-20000.00	-3.457217	20	PASS
			NV	10	-20000.00	-3.457217	20	PASS
			NV	20	-20000.00	-3.457217	20	PASS
			NV	30	-20000.00	-3.457217	20	PASS
			NV	40	-20000.00	-3.457217	20	PASS
			NV	50	-40000.00	-6.914434	20	PASS
	Ant1	5825	NV	-30	-20000.00	-3.433476	20	PASS
			NV	-20	-20000.00	-3.433476	20	PASS
			NV	-10	-20000.00	-3.433476	20	PASS
			NV	0	-40000.00	-6.866953	20	PASS

			NV	10	-40000.00	-6.866953	20	PASS
			NV	20	-20000.00	-3.433476	20	PASS
			NV	30	-20000.00	-3.433476	20	PASS
			NV	40	-40000.00	-6.866953	20	PASS
			NV	50	-40000.00	-6.866953	20	PASS
11N40SISO	Ant1	5190	NV	-30	-40000.00	-7.707129	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	-40000.00	-7.707129	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-40000.00	-7.707129	20	PASS
			NV	40	-40000.00	-7.707129	20	PASS
			NV	50	-40000.00	-7.707129	20	PASS
	Ant1	5230	NV	-30	-40000.00	-7.648184	20	PASS
			NV	-20	-40000.00	-7.648184	20	PASS
			NV	-10	-40000.00	-7.648184	20	PASS
			NV	0	-40000.00	-7.648184	20	PASS
			NV	10	-40000.00	-7.648184	20	PASS
			NV	20	-40000.00	-7.648184	20	PASS
			NV	30	-40000.00	-7.648184	20	PASS
			NV	40	-40000.00	-7.648184	20	PASS
			NV	50	-40000.00	-7.648184	20	PASS
	Ant1	5270	NV	-30	-40000.00	-7.590133	20	PASS
			NV	-20	-40000.00	-7.590133	20	PASS
	Ant1	5310	NV	-30	-40000.00	-7.532957	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	-40000.00	-7.532957	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	-40000.00	-7.532957	20	PASS
			NV	20	-40000.00	-7.532957	20	PASS
			NV	30	-40000.00	-7.532957	20	PASS
			NV	40	-40000.00	-7.532957	20	PASS
			NV	50	-40000.00	-7.532957	20	PASS
	Ant1	5510	NV	-30	-40000.00	-7.259528	20	PASS
			NV	-20	-40000.00	-7.259528	20	PASS
			NV	-10	-40000.00	-7.259528	20	PASS
			NV	0	-40000.00	-7.259528	20	PASS
			NV	10	-40000.00	-7.259528	20	PASS
			NV	20	-40000.00	-7.259528	20	PASS
			NV	30	-40000.00	-7.259528	20	PASS
			NV	40	-40000.00	-7.259528	20	PASS
			NV	50	-40000.00	-7.259528	20	PASS
	Ant1	5550	NV	-30	-40000.00	-7.207207	20	PASS
			NV	-20	-40000.00	-7.207207	20	PASS
			NV	-10	-40000.00	-7.207207	20	PASS
			NV	0	-40000.00	-7.207207	20	PASS
			NV	10	-40000.00	-7.207207	20	PASS
			NV	20	-40000.00	-7.207207	20	PASS
			NV	30	-40000.00	-7.207207	20	PASS
			NV	40	-40000.00	-7.207207	20	PASS
			NV	50	0.00	0.000000	20	PASS
	Ant1	5670	NV	-30	-40000.00	-7.054674	20	PASS
			NV	-20	-40000.00	-7.054674	20	PASS
			NV	-10	-40000.00	-7.054674	20	PASS
			NV	0	-40000.00	-7.054674	20	PASS
			NV	10	-40000.00	-7.054674	20	PASS
			NV	20	-40000.00	-7.054674	20	PASS
			NV	30	-40000.00	-7.054674	20	PASS
			NV	40	-40000.00	-7.054674	20	PASS
			NV	50	-40000.00	-7.054674	20	PASS
	Ant1	5755	NV	-30	-40000.00	-6.950478	20	PASS
			NV	-20	-40000.00	-6.950478	20	PASS
			NV	-10	-40000.00	-6.950478	20	PASS

			NV	0	-40000.00	-6.950478	20	PASS
			NV	10	-40000.00	-6.950478	20	PASS
			NV	20	-40000.00	-6.950478	20	PASS
			NV	30	-40000.00	-6.950478	20	PASS
			NV	40	-40000.00	-6.950478	20	PASS
			NV	50	-40000.00	-6.950478	20	PASS
	Ant1	5795	NV	-30	-40000.00	-6.902502	20	PASS
			NV	-20	-40000.00	-6.902502	20	PASS
			NV	-10	-40000.00	-6.902502	20	PASS
			NV	0	-40000.00	-6.902502	20	PASS
			NV	10	-40000.00	-6.902502	20	PASS
			NV	20	-40000.00	-6.902502	20	PASS
			NV	30	-40000.00	-6.902502	20	PASS
			NV	40	-40000.00	-6.902502	20	PASS
			NV	50	-40000.00	-6.902502	20	PASS
11AC20SISO	Ant1	5180	NV	-30	0.00	0.000000	20	PASS
			NV	-20	-20000.00	-3.861004	20	PASS
			NV	-10	-20000.00	-3.861004	20	PASS
			NV	0	-20000.00	-3.861004	20	PASS
			NV	10	-20000.00	-3.861004	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-20000.00	-3.861004	20	PASS
			NV	40	-20000.00	-3.861004	20	PASS
			NV	50	-20000.00	-3.861004	20	PASS
	Ant1	5220	NV	-30	-20000.00	-3.831418	20	PASS
			NV	-20	-20000.00	-3.831418	20	PASS
			NV	-10	-20000.00	-3.831418	20	PASS
			NV	0	-20000.00	-3.831418	20	PASS
			NV	10	-20000.00	-3.831418	20	PASS
			NV	20	-20000.00	-3.831418	20	PASS
			NV	30	-20000.00	-3.831418	20	PASS
			NV	40	-20000.00	-3.831418	20	PASS
			NV	50	-20000.00	-3.831418	20	PASS
	Ant1	5240	NV	-30	-20000.00	-3.816794	20	PASS
			NV	-20	-20000.00	-3.816794	20	PASS
			NV	-10	-20000.00	-3.816794	20	PASS
			NV	0	-20000.00	-3.816794	20	PASS
			NV	10	-20000.00	-3.816794	20	PASS
			NV	20	-20000.00	-3.816794	20	PASS
			NV	30	-20000.00	-3.816794	20	PASS
			NV	40	-20000.00	-3.816794	20	PASS
			NV	50	-20000.00	-3.816794	20	PASS
	Ant1	5260	NV	-30	-20000.00	-3.802281	20	PASS
			NV	-20	-20000.00	-3.802281	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	-20000.00	-3.802281	20	PASS
			NV	10	-20000.00	-3.802281	20	PASS
			NV	20	-20000.00	-3.802281	20	PASS
			NV	30	-20000.00	-3.802281	20	PASS
			NV	40	-20000.00	-3.802281	20	PASS
			NV	50	-20000.00	-3.802281	20	PASS
	Ant1	5300	NV	-30	-20000.00	-3.773585	20	PASS
			NV	-20	-20000.00	-3.773585	20	PASS
			NV	-10	-20000.00	-3.773585	20	PASS
			NV	0	-20000.00	-3.773585	20	PASS
			NV	10	-20000.00	-3.773585	20	PASS
			NV	20	-20000.00	-3.773585	20	PASS
			NV	30	-20000.00	-3.773585	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	-20000.00	-3.773585	20	PASS
	Ant1	5320	NV	-30	-20000.00	-3.759398	20	PASS
			NV	-20	-20000.00	-3.759398	20	PASS
			NV	-10	-20000.00	-3.759398	20	PASS
			NV	0	-20000.00	-3.759398	20	PASS

			NV	10	-20000.00	-3.759398	20	PASS
			NV	20	-20000.00	-3.759398	20	PASS
			NV	30	-20000.00	-3.759398	20	PASS
			NV	40	-20000.00	-3.759398	20	PASS
			NV	50	0.00	0.000000	20	PASS
	Ant1	5500	NV	-30	-20000.00	-3.636364	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	-20000.00	-3.636364	20	PASS
			NV	0	-20000.00	-3.636364	20	PASS
			NV	10	-20000.00	-3.636364	20	PASS
			NV	20	-20000.00	-3.636364	20	PASS
			NV	30	-40000.00	-7.272727	20	PASS
			NV	40	-20000.00	-3.636364	20	PASS
			NV	50	-20000.00	-3.636364	20	PASS
	Ant1	5580	NV	-30	-20000.00	-3.584229	20	PASS
			NV	-20	-20000.00	-3.584229	20	PASS
			NV	-10	-20000.00	-3.584229	20	PASS
			NV	0	-20000.00	-3.584229	20	PASS
			NV	10	-20000.00	-3.584229	20	PASS
			NV	20	-40000.00	-7.168459	20	PASS
			NV	30	-20000.00	-3.584229	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	-20000.00	-3.584229	20	PASS
	Ant1	5700	NV	-30	-20000.00	-3.508772	20	PASS
			NV	-20	-20000.00	-3.508772	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	-20000.00	-3.508772	20	PASS
			NV	10	-20000.00	-3.508772	20	PASS
			NV	20	-20000.00	-3.508772	20	PASS
			NV	30	-20000.00	-3.508772	20	PASS
			NV	40	-20000.00	-3.508772	20	PASS
			NV	50	-20000.00	-3.508772	20	PASS
	Ant1	5745	NV	-30	-20000.00	-3.481288	20	PASS
			NV	-20	-20000.00	-3.481288	20	PASS
			NV	-10	-20000.00	-3.481288	20	PASS
			NV	0	-20000.00	-3.481288	20	PASS
			NV	10	-20000.00	-3.481288	20	PASS
			NV	20	-20000.00	-3.481288	20	PASS
			NV	30	-20000.00	-3.481288	20	PASS
			NV	40	-20000.00	-3.481288	20	PASS
			NV	50	-20000.00	-3.481288	20	PASS
	Ant1	5785	NV	-30	-20000.00	-3.457217	20	PASS
			NV	-20	-20000.00	-3.457217	20	PASS
			NV	-10	-20000.00	-3.457217	20	PASS
			NV	0	-20000.00	-3.457217	20	PASS
			NV	10	-20000.00	-3.457217	20	PASS
			NV	20	-20000.00	-3.457217	20	PASS
			NV	30	-20000.00	-3.457217	20	PASS
			NV	40	-20000.00	-3.457217	20	PASS
			NV	50	-20000.00	-3.457217	20	PASS
	Ant1	5825	NV	-30	-20000.00	-3.433476	20	PASS
			NV	-20	-20000.00	-3.433476	20	PASS
			NV	-10	-20000.00	-3.433476	20	PASS
			NV	0	-20000.00	-3.433476	20	PASS
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			NV	20	-20000.00	-3.433476	20	PASS
			NV	30	-20000.00	-3.433476	20	PASS
			NV	40	-20000.00	-3.433476	20	PASS
			NV	50	-20000.00	-3.433476	20	PASS
11AC40SISO	Ant1	5190	NV	-30	-40000.00	-7.707129	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	-40000.00	-7.707129	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	-40000.00	-7.707129	20	PASS

			NV	20	-40000.00	-7.707129	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	0.00	0.000000	20	PASS
	Ant1	5230	NV	-30	0.00	0.000000	20	PASS
			NV	-20	-40000.00	-7.648184	20	PASS
			NV	-10	-40000.00	-7.648184	20	PASS
			NV	0	-40000.00	-7.648184	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	-40000.00	-7.648184	20	PASS
			NV	30	-40000.00	-7.648184	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	-40000.00	-7.648184	20	PASS
	Ant1	5270	NV	-30	-40000.00	-7.590133	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	-40000.00	-7.590133	20	PASS
			NV	0	-40000.00	-7.590133	20	PASS
			NV	10	-40000.00	-7.590133	20	PASS
			NV	20	-40000.00	-7.590133	20	PASS
			NV	30	-40000.00	-7.590133	20	PASS
			NV	40	-40000.00	-7.590133	20	PASS
			NV	50	-40000.00	-7.590133	20	PASS
	Ant1	5310	NV	-30	-40000.00	-7.532957	20	PASS
			NV	-20	-40000.00	-7.532957	20	PASS
			NV	-10	-40000.00	-7.532957	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	-40000.00	-7.532957	20	PASS
			NV	20	-40000.00	-7.532957	20	PASS
			NV	30	-40000.00	-7.532957	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	-40000.00	-7.532957	20	PASS
	Ant1	5510	NV	-30	-40000.00	-7.259528	20	PASS
			NV	-20	-40000.00	-7.259528	20	PASS
			NV	-10	-40000.00	-7.259528	20	PASS
			NV	0	-40000.00	-7.259528	20	PASS
			NV	10	-40000.00	-7.259528	20	PASS
			NV	20	-40000.00	-7.259528	20	PASS
			NV	30	-40000.00	-7.259528	20	PASS
			NV	40	-40000.00	-7.259528	20	PASS
			NV	50	0.00	0.000000	20	PASS
	Ant1	5550	NV	-30	-40000.00	-7.207207	20	PASS
			NV	-20	-40000.00	-7.207207	20	PASS
			NV	-10	-40000.00	-7.207207	20	PASS
			NV	0	-40000.00	-7.207207	20	PASS
			NV	10	-40000.00	-7.207207	20	PASS
			NV	20	-40000.00	-7.207207	20	PASS
			NV	30	-40000.00	-7.207207	20	PASS
			NV	40	-40000.00	-7.207207	20	PASS
			NV	50	-40000.00	-7.207207	20	PASS
	Ant1	5670	NV	-30	-40000.00	-7.054674	20	PASS
			NV	-20	-40000.00	-7.054674	20	PASS
			NV	-10	-40000.00	-7.054674	20	PASS
			NV	0	-40000.00	-7.054674	20	PASS
			NV	10	-40000.00	-7.054674	20	PASS
			NV	20	-40000.00	-7.054674	20	PASS
			NV	30	-40000.00	-7.054674	20	PASS
			NV	40	-40000.00	-7.054674	20	PASS
			NV	50	-40000.00	-7.054674	20	PASS
	Ant1	5755	NV	-30	-40000.00	-6.950478	20	PASS
			NV	-20	-40000.00	-6.950478	20	PASS
			NV	-10	-40000.00	-6.950478	20	PASS
			NV	0	-40000.00	-6.950478	20	PASS
			NV	10	-40000.00	-6.950478	20	PASS
			NV	20	-40000.00	-6.950478	20	PASS

			NV	30	0.00	0.000000	20	PASS
			NV	40	-40000.00	-6.950478	20	PASS
			NV	50	-40000.00	-6.950478	20	PASS
	Ant1	5795	NV	-30	-40000.00	-6.902502	20	PASS
			NV	-20	-40000.00	-6.902502	20	PASS
			NV	-10	-40000.00	-6.902502	20	PASS
			NV	0	-40000.00	-6.902502	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	-40000.00	-6.902502	20	PASS
			NV	30	-40000.00	-6.902502	20	PASS
			NV	40	-40000.00	-6.902502	20	PASS
			NV	50	-40000.00	-6.902502	20	PASS
11AX20SISO	Ant1	5180	NV	-30	-20000.00	-3.861004	20	PASS
			NV	-20	-20000.00	-3.861004	20	PASS
			NV	-10	-20000.00	-3.861004	20	PASS
			NV	0	-20000.00	-3.861004	20	PASS
			NV	10	-20000.00	-3.861004	20	PASS
			NV	20	-20000.00	-3.861004	20	PASS
			NV	30	-20000.00	-3.861004	20	PASS
			NV	40	-20000.00	-3.861004	20	PASS
			NV	50	-20000.00	-3.861004	20	PASS
	Ant1	5220	NV	-30	-20000.00	-3.831418	20	PASS
			NV	-20	-20000.00	-3.831418	20	PASS
			NV	-10	-20000.00	-3.831418	20	PASS
			NV	0	-20000.00	-3.831418	20	PASS
			NV	10	-20000.00	-3.831418	20	PASS
			NV	20	-20000.00	-3.831418	20	PASS
			NV	30	-20000.00	-3.831418	20	PASS
			NV	40	-20000.00	-3.831418	20	PASS
			NV	50	-20000.00	-3.831418	20	PASS
	Ant1	5240	NV	-30	-20000.00	-3.816794	20	PASS
			NV	-20	-20000.00	-3.816794	20	PASS
			NV	-10	-20000.00	-3.816794	20	PASS
			NV	0	-20000.00	-3.816794	20	PASS
			NV	10	-20000.00	-3.816794	20	PASS
			NV	20	-20000.00	-3.816794	20	PASS
			NV	30	-20000.00	-3.816794	20	PASS
			NV	40	-20000.00	-3.816794	20	PASS
			NV	50	-20000.00	-3.816794	20	PASS
	Ant1	5260	NV	-30	-20000.00	-3.802281	20	PASS
			NV	-20	-20000.00	-3.802281	20	PASS
			NV	-10	-20000.00	-3.802281	20	PASS
			NV	0	-20000.00	-3.802281	20	PASS
			NV	10	-20000.00	-3.802281	20	PASS
			NV	20	-20000.00	-3.802281	20	PASS
			NV	30	-20000.00	-3.802281	20	PASS
			NV	40	-20000.00	-3.802281	20	PASS
			NV	50	-20000.00	-3.802281	20	PASS
	Ant1	5300	NV	-30	-20000.00	-3.773585	20	PASS
			NV	-20	-20000.00	-3.773585	20	PASS
			NV	-10	-20000.00	-3.773585	20	PASS
			NV	0	-20000.00	-3.773585	20	PASS
			NV	10	-20000.00	-3.773585	20	PASS
			NV	20	-20000.00	-3.773585	20	PASS
			NV	30	-20000.00	-3.773585	20	PASS
			NV	40	-20000.00	-3.773585	20	PASS
			NV	50	-20000.00	-3.773585	20	PASS
	Ant1	5320	NV	-30	-20000.00	-3.759398	20	PASS
			NV	-20	-20000.00	-3.759398	20	PASS
			NV	-10	-20000.00	-3.759398	20	PASS
			NV	0	-20000.00	-3.759398	20	PASS
			NV	10	-20000.00	-3.759398	20	PASS
			NV	20	-20000.00	-3.759398	20	PASS
			NV	30	-20000.00	-3.759398	20	PASS

			NV	40	-20000.00	-3.759398	20	PASS
			NV	50	-20000.00	-3.759398	20	PASS
	Ant1	5500	NV	-30	-20000.00	-3.636364	20	PASS
			NV	-20	-20000.00	-3.636364	20	PASS
			NV	-10	-20000.00	-3.636364	20	PASS
			NV	0	-20000.00	-3.636364	20	PASS
			NV	10	-20000.00	-3.636364	20	PASS
			NV	20	-20000.00	-3.636364	20	PASS
			NV	30	-20000.00	-3.636364	20	PASS
			NV	40	-20000.00	-3.636364	20	PASS
			NV	50	-20000.00	-3.636364	20	PASS
	Ant1	5580	NV	-30	-20000.00	-3.584229	20	PASS
			NV	-20	-20000.00	-3.584229	20	PASS
			NV	-10	-20000.00	-3.584229	20	PASS
			NV	0	-20000.00	-3.584229	20	PASS
			NV	10	-20000.00	-3.584229	20	PASS
			NV	20	-20000.00	-3.584229	20	PASS
			NV	30	-20000.00	-3.584229	20	PASS
			NV	40	-20000.00	-3.584229	20	PASS
			NV	50	-20000.00	-3.584229	20	PASS
	Ant1	5700	NV	-30	-20000.00	-3.508772	20	PASS
			NV	-20	-20000.00	-3.508772	20	PASS
			NV	-10	-20000.00	-3.508772	20	PASS
			NV	0	-20000.00	-3.508772	20	PASS
			NV	10	-20000.00	-3.508772	20	PASS
			NV	20	-20000.00	-3.508772	20	PASS
			NV	30	-20000.00	-3.508772	20	PASS
			NV	40	-20000.00	-3.508772	20	PASS
			NV	50	-20000.00	-3.508772	20	PASS
	Ant1	5745	NV	-30	-20000.00	-3.481288	20	PASS
			NV	-20	-20000.00	-3.481288	20	PASS
			NV	-10	-20000.00	-3.481288	20	PASS
			NV	0	-20000.00	-3.481288	20	PASS
			NV	10	-20000.00	-3.481288	20	PASS
			NV	20	-20000.00	-3.481288	20	PASS
			NV	30	-20000.00	-3.481288	20	PASS
			NV	40	-20000.00	-3.481288	20	PASS
			NV	50	-20000.00	-3.481288	20	PASS
	Ant1	5785	NV	-30	-20000.00	-3.457217	20	PASS
			NV	-20	-20000.00	-3.457217	20	PASS
			NV	-10	-20000.00	-3.457217	20	PASS
			NV	0	-20000.00	-3.457217	20	PASS
			NV	10	-20000.00	-3.457217	20	PASS
			NV	20	-20000.00	-3.457217	20	PASS
			NV	30	-20000.00	-3.457217	20	PASS
			NV	40	-20000.00	-3.457217	20	PASS
			NV	50	-20000.00	-3.457217	20	PASS
	Ant1	5825	NV	-30	-20000.00	-3.433476	20	PASS
			NV	-20	-20000.00	-3.433476	20	PASS
			NV	-10	-20000.00	-3.433476	20	PASS
			NV	0	-20000.00	-3.433476	20	PASS
			NV	10	-20000.00	-3.433476	20	PASS
			NV	20	-20000.00	-3.433476	20	PASS
			NV	30	-20000.00	-3.433476	20	PASS
			NV	40	-20000.00	-3.433476	20	PASS
			NV	50	-20000.00	-3.433476	20	PASS
11AX40SISO	Ant1	5190	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS

			NV	50	0.00	0.000000	20	PASS
	Ant1	5230	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	0.00	0.000000	20	PASS
	Ant1	5270	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	0.00	0.000000	20	PASS
	Ant1	5310	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	0.00	0.000000	20	PASS
	Ant1	5510	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	0.00	0.000000	20	PASS
	Ant1	5550	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	0.00	0.000000	20	PASS
	Ant1	5670	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	0.00	0.000000	20	PASS
	Ant1	5755	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	0.00	0.000000	20	PASS

	Ant1	5795	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	0.00	0.000000	20	PASS

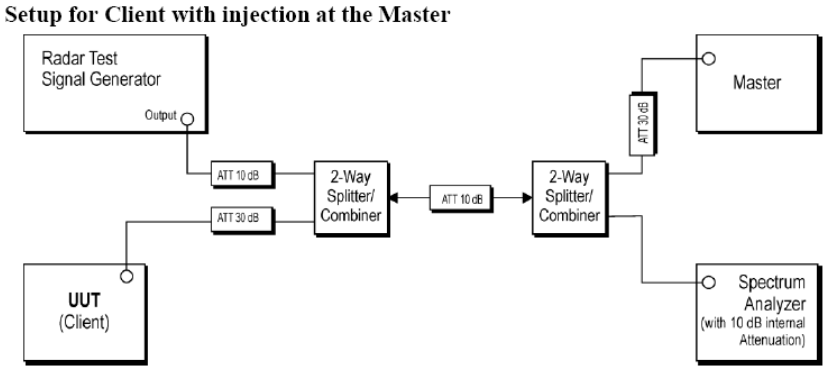
5.6 Dynamic Frequency Selection (DFS)

Ambient condition:

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

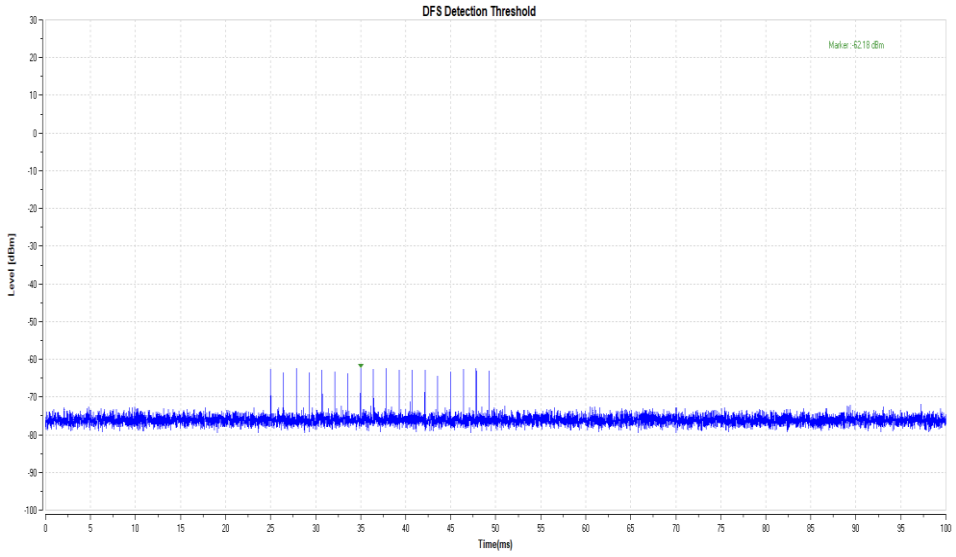
5.6.1 DFS detection threshold level

Test Setup:



Test Results:

Calibration Plots
DFS signal: -62dBm
Radar # 0 DFS detection threshold level



5.6.2 UNII Detection Bandwidth

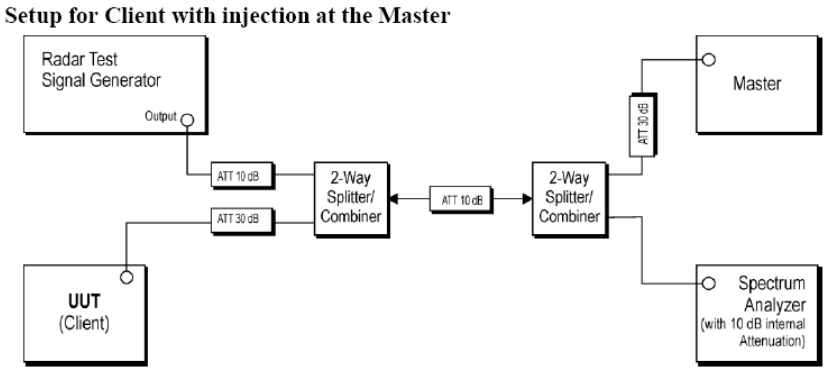
Method of Measurement:

Refer as KDB905462 D02 UNII DFS Compliance Procedures New Rules v02, clause 7.8.1 for UNII Detection Bandwidth test. During the U-NII Detection Bandwidth detection test, radar type 1 is used and for each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic. The EUT is set up as a standalone device (no associated Client and no traffic). The radar frequency is increased in 1 MHz steps, repeating the above test sequence, until the detection rate falls below 90%. The highest frequency at which detection is greater than or equal to 90% is denoted as FH. The radar frequency is decreased in 1 MHz steps, repeating the above test sequence, until the detection rate falls below 90%. The lowest frequency at which detection is greater than or equal to 90% is denoted as FL. UNII Detection Bandwidth = FH -FL

Limits:

Channel Bandwidth (MHz)	99% Power Bandwidth (MHz)	UNII Detection Bandwidth (MHz)
20	N/A	N/A
40	N/A	N/A
80	N/A	N/A
UNII Detection Bandwidth is minimum 100% of the 99% power bandwidth. A single radar Burst is generated for a minimum of 10 trials, and the response of the UUT is noted. The UUT must detect the Radar Waveform 90% or more of the time.		

Test Setup:



Test Results:

Not required

5.6.2 Channel Availability Check (CAC)

Method of Measurement:

Refer as KDB905462 D02 UNII DFS Compliance Procedures New Rules v02, clause 7.8.2.1 for Initial Channel Availability Check Time. The EUT does not emit beacon, control, or data signals on the test Channel until the power-up sequence has been completed and the UNII device checks for Radar Waveforms for one minute on the test Channel. This test does not use any Radar Waveforms.

Refer as FCC 06-96 Appendix, clause 7.8.2.2 for Radar Burst at the Beginning of the Channel Availability Check Time. To verify successful radar detection on the selected Channel during a period equal to the Beginning of the Channel Availability Check Time.

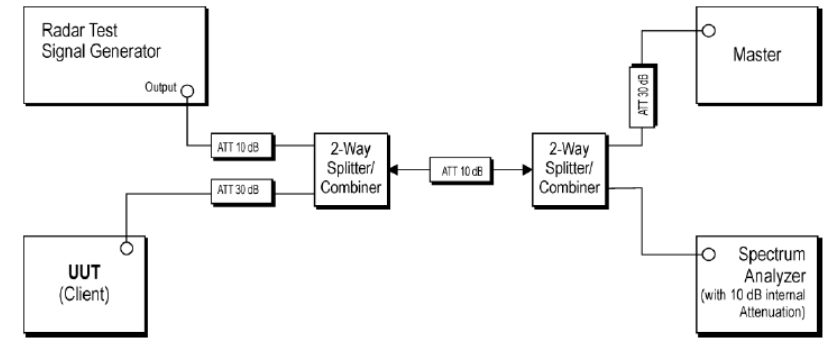
Refer as FCC 06-96 Appendix, clause 7.8.2.3 for Radar Burst at the End of the Channel Availability Check Time. To verify successful radar detection on the selected Channel during a period equal to the End of the Channel Availability Check Time.

Limits:

Channel Availability Check Limit
☒The EUT shall perform a Channel Availability Check to ensure that there is no radar operating on the channel. After power-up sequence, receive at least 1 minute (60 sec) on the intended operating frequency.

Test Setup:

Setup for Client with injection at the Master



Test Results:

Not required

5.6.3 In-service Monitoring

Method of Measurement:

Refer as KDB905462 D02 UNII DFS Compliance Procedures New Rules v02, clause 7.8.3 verified during In-Service Monitoring; Channel Closing Transmission Time, Channel Move Time. Client Device will associate with the EUT. Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel for duration greater than 10 seconds. Measure and record the transmissions from the EUT during the observation time (Channel Move Time). Compare the Channel Move Time and Channel Closing Transmission Time limits.

Refer as KDB905462 D02 UNII DFS Compliance Procedures New Rules v02, clause 8.3 verified during In-Service Monitoring; Channel Closing Transmission Time, Channel Move Time. One 10 sec plot needs to be reported for the Short Pulse Radar Types 1-4 and one for the Long Pulse Radar Type in a 22 sec plot. And zoom-in a 600 ms plot verified channel closing time for the aggregate transmission time starting from 200ms after the end of the radar signal to the completion of the channel move.

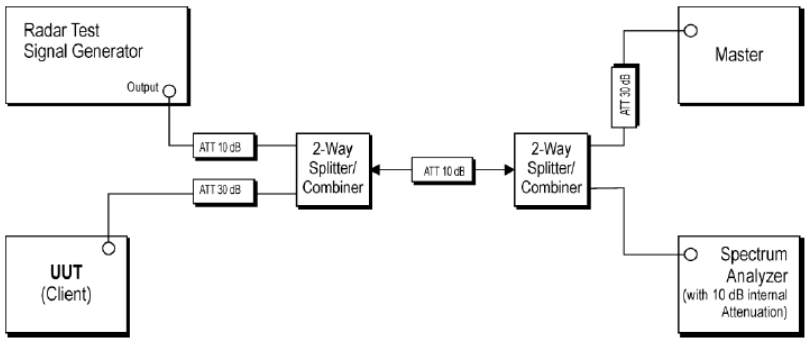
Refer as KDB905462 D02 UNII DFS Compliance Procedures New Rules v02, clause 7.8.3 verified during In-Service Monitoring; Non-Occupancy Period. Client Device will associate with the EUT. Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel for duration greater than 10 seconds. Measure and record the transmissions from the EUT during the observation time (Non-Occupancy Period). Compare the Non-Occupancy Period limits.

Limits:

In-service Monitoring Limit	
Channel Move Time	10 sec
Channel Closing Transmission Time	200 ms + an aggregate of 60 ms over remaining 10 sec periods.
Non-occupancy period	Minimum 30 minutes

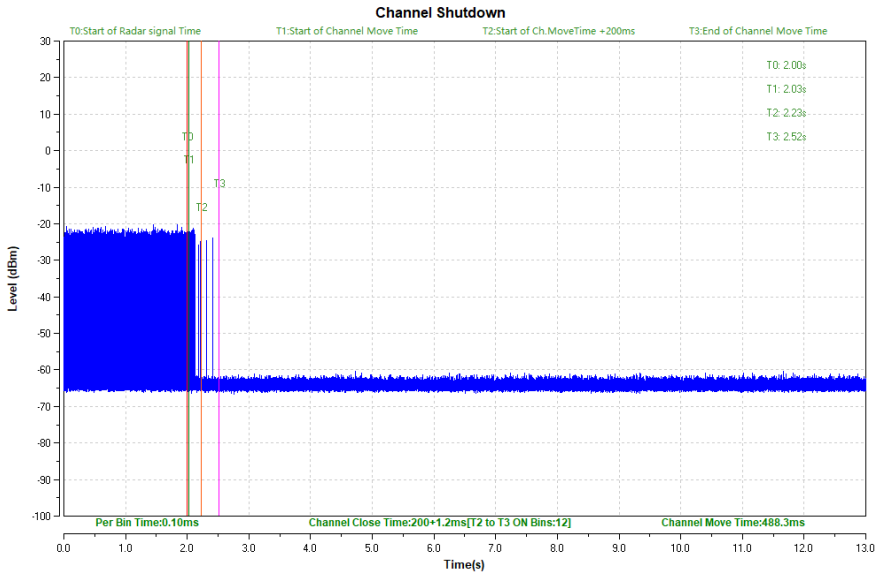
Test Setup:

Setup for Client with injection at the Master



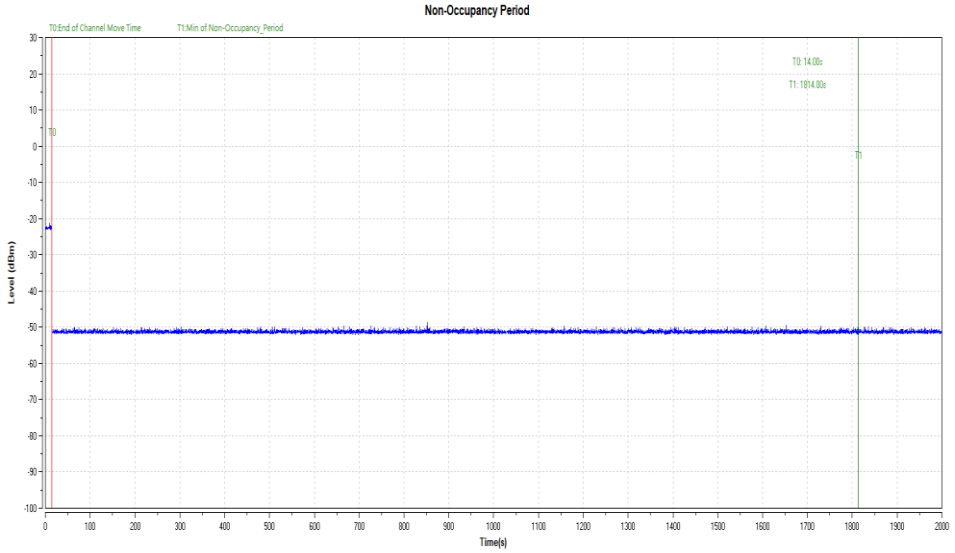
Test Results:

Channel Closing Transmission Time and Channel Move Time Result						
Modulation Mode	**Freq. (MHz)**	**Radar Type**	**Channel Closing Transmission Time**		**Channel Move Time**	
			Result(ms)	**Limit (ms)**	**Result(S)**	**Limit (S)**
802.11ax40	5190	0	201.2	**<260**	0.4883	**<10**
Note:Channel Closing Transmission Time=200 + 1.2ms[T2 to T3 ON Bins:12]< 260						
Channel Closing Transmission Time& Channel Move Time						



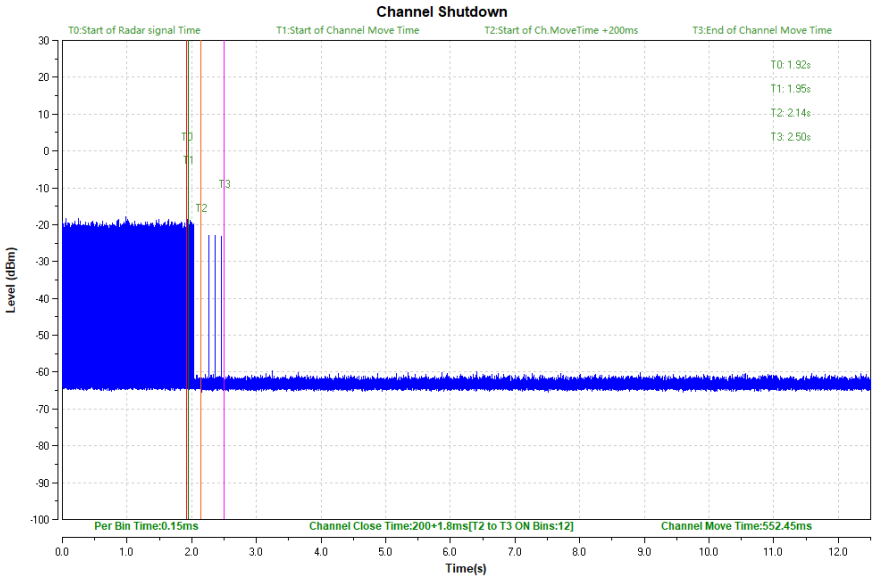
Non-Occupancy Period Result				
Modulation Mode	**Freq. (MHz)**	**Non-Occupancy Period**		
		Measured	**Limit**	**Result**
802.11ax40	5190	>30min	30min	Complied

2000 sec Timing Plot

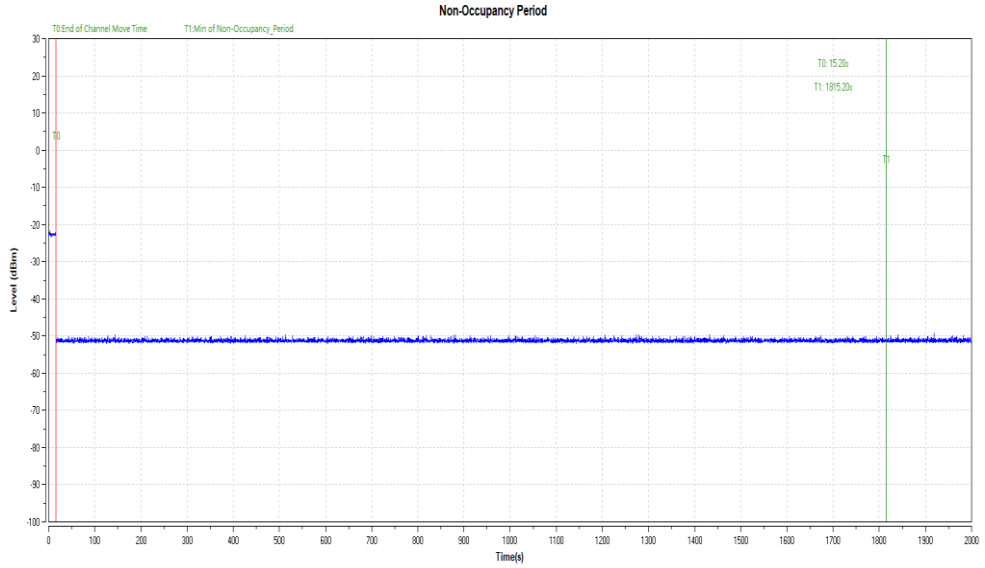


Channel Closing Transmission Time and Channel Move Time Result						
Modulation Mode	**Freq. (MHz)**	**Radar Type**	**Channel Closing Transmission Time**		**Channel Move Time**	
			Result	**Limit**	**Result**	**Limit**
802.11ax40	5310	0	201.8	**<260ms**	742.8ms	**<10s**
Note:Channel Closing Transmission Time=200 + 1.8ms[T2 to T3 ON Bins:12]< 260						

Channel Closing Transmission Time& Channel Move Time



Non-Occupancy Period Result				
Modulation Mode	**Freq. (MHz)**	**Non-Occupancy Period**		
		Measured	**Limit**	**Result**
802.11ax40	5310	>30min	30min	Complied
2000 sec Timing Plot				



5.6.4 Statistical Performance Check

Method of Measurement:

Refer as KDB905462 D02 UNII DFS Compliance Procedures New Rules v02, clause 7.8.4 for Statistical Performance Check test. Stream the MPEG test file from the Master Device to the Client Device on the test Channel for the entire period of the test. Observe the transmissions of the UUT at the end of the Burst on the Operating Channel for duration greater than 10 seconds for Short Pulse Radar Types 1-4 and 6 to ensure detection occurs. Then Observe the transmissions of the UUT at the end of the Burst on the Operating Channel for duration greater than 22 seconds for Long Pulse Radar Type 5 to ensure detection occurs. The device can utilize a test mode to demonstrate when detection occurs to prevent the need to reset the device between trial runs.

Limits:

Radar Type	Minimum Percentage of Successful Detection (Pd)	Minimum Trials
1	60%	30
2	60%	30
3	60%	30
4	60%	30
Aggregate (Radar Types 1-4)	80%	120
5	80%	30
6	70%	30

The percentage of successful detection is calculated by:

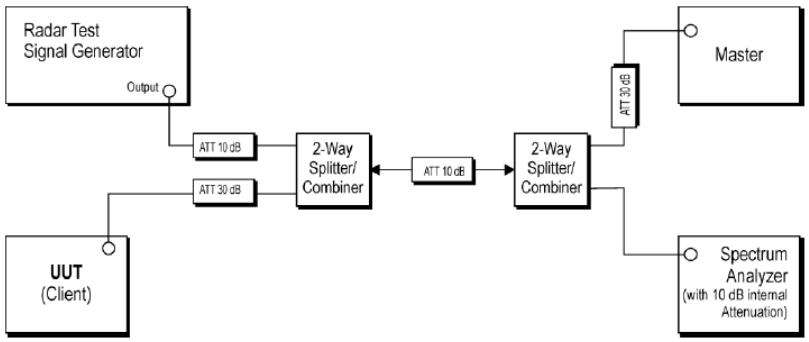
$$\frac{\text{Total Waveform Detections}}{\text{Total Waveform Trails}} \times 100 = \text{Probability of Detection}_{\text{Radar Waveform}}$$

In addition an aggregate minimum percentage of successful detection across all Short Pulse Radar Types 1-4 is required and is calculated as follows:

$$\frac{Pd1+Pd2+Pd3+Pd4}{4}$$

Test Setup:

Setup for Client with injection at the Master



Test Results:

Not required

5.7 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

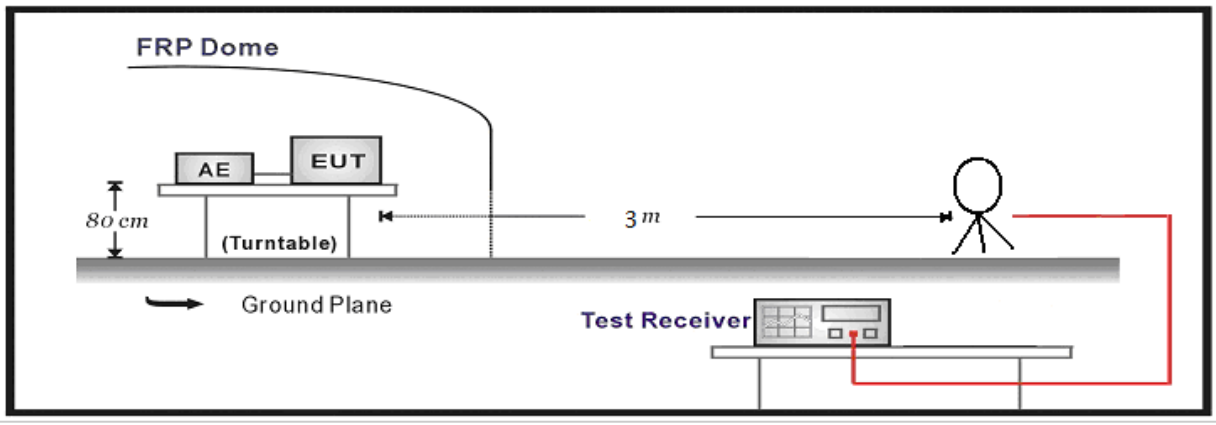
The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading - Correct Factor

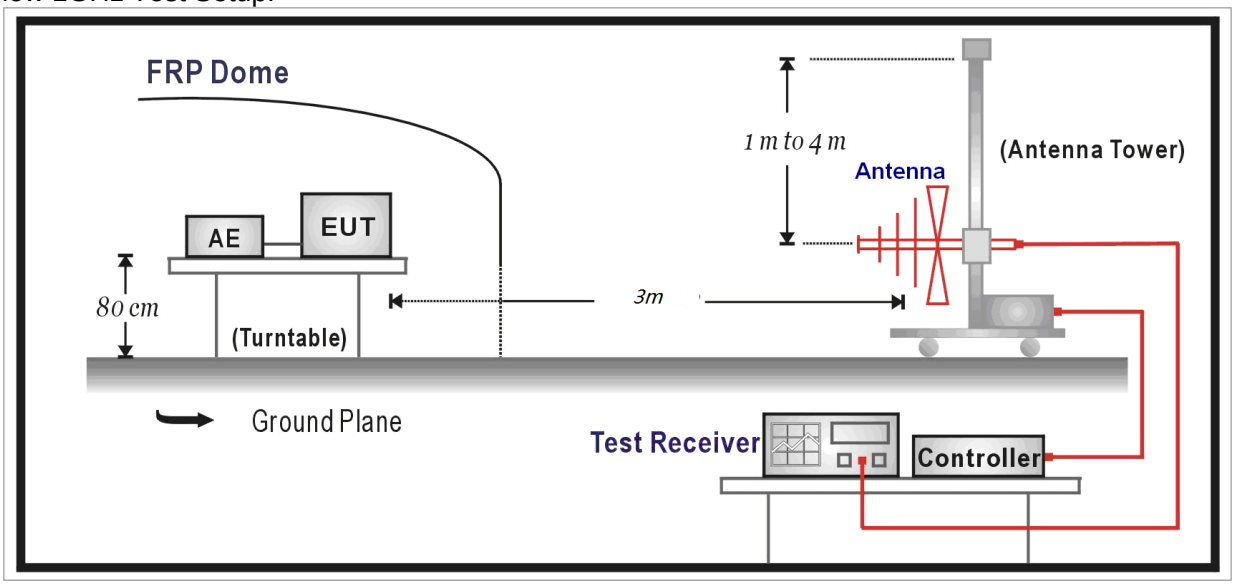
Correct Factor = Preamplifier Factor– Antenna Factor–Cable Factor

Test Setup:

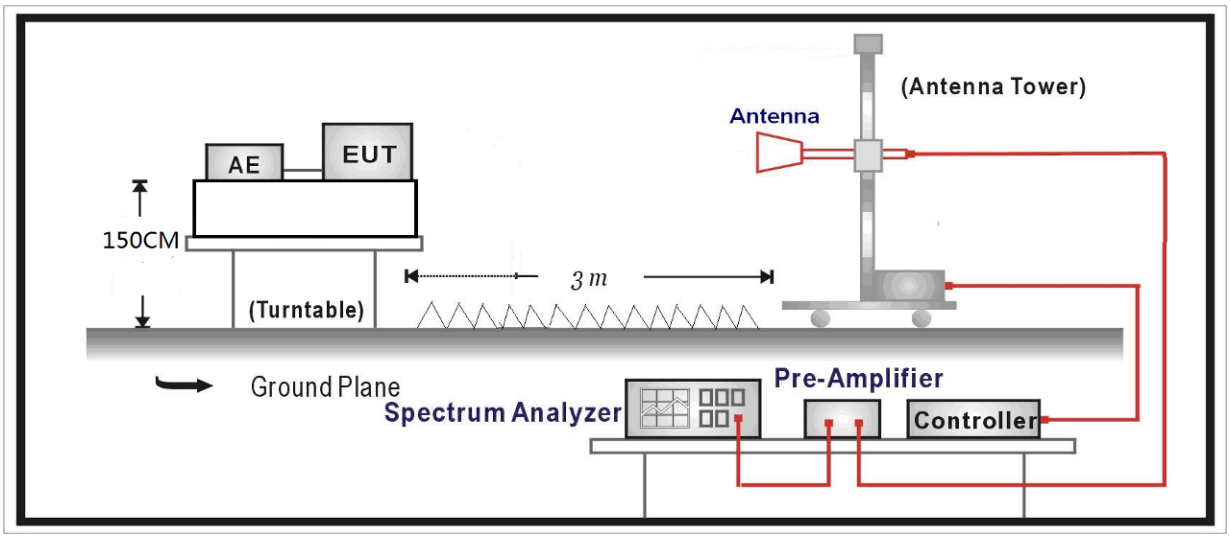
Below 30MHz Test Setup:



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

5.7.1 Band edge measurements (Radiates):

Test Results:

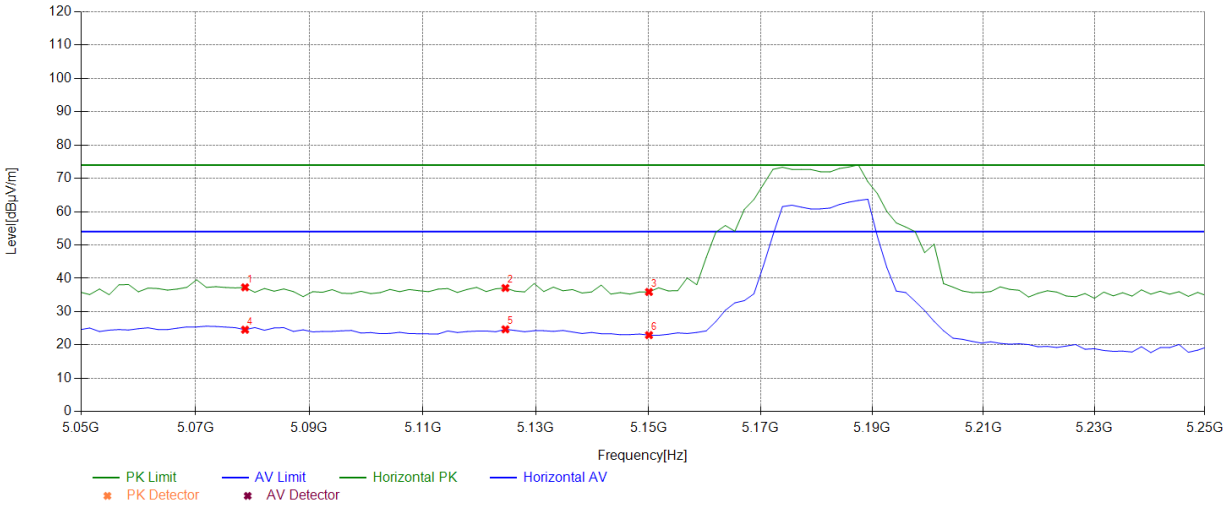
U-NII-1, U-NII-2A: 5150-5350MHz:

During the test, the Band Edge was performed in WIFI all modes with all channels and all antenna. 802.11ax20, Antenna1 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	Lowest channel
polarization	Horizontal

Suspected List

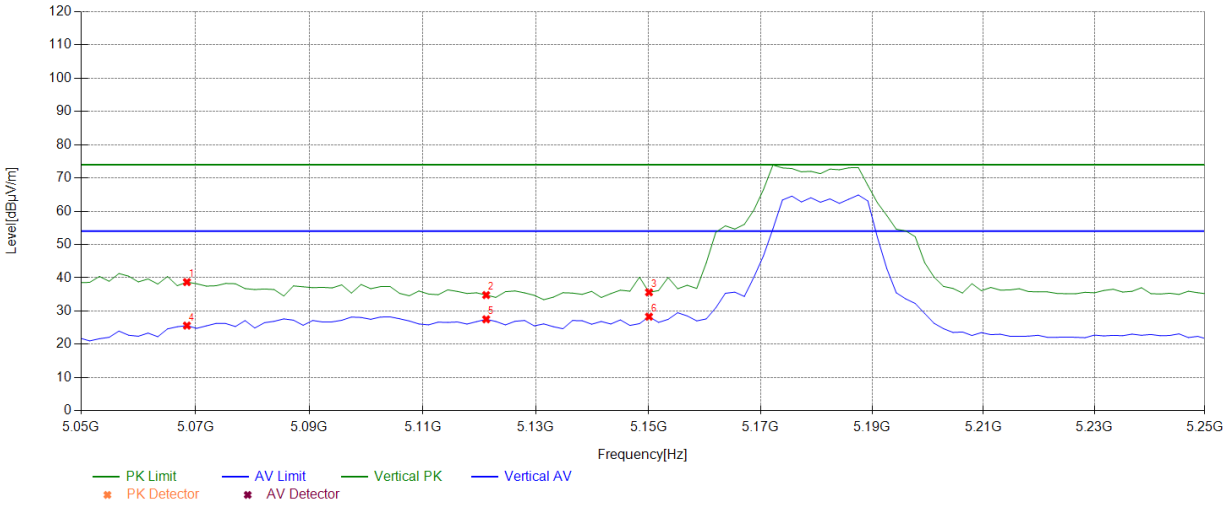
Frequency [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/ Fail
5078.7079	-0.32	37.62	37.30	74.00	36.70	PK	150	50	PASS
5124.6125	-0.18	37.29	37.11	74.00	36.89	PK	150	360	PASS
5150.115	-0.11	36.04	35.93	74.00	38.07	PK	150	190	PASS
5078.7079	-0.32	24.91	24.59	54.00	29.41	AV	150	120	PASS
5124.6125	-0.18	24.90	24.72	54.00	29.28	AV	150	240	PASS
5150.115	-0.11	23.09	22.98	54.00	31.02	AV	150	290	PASS



Test mode	802.11ax20
Test channel	Lowest channel
polarization	Vertical

Suspected List

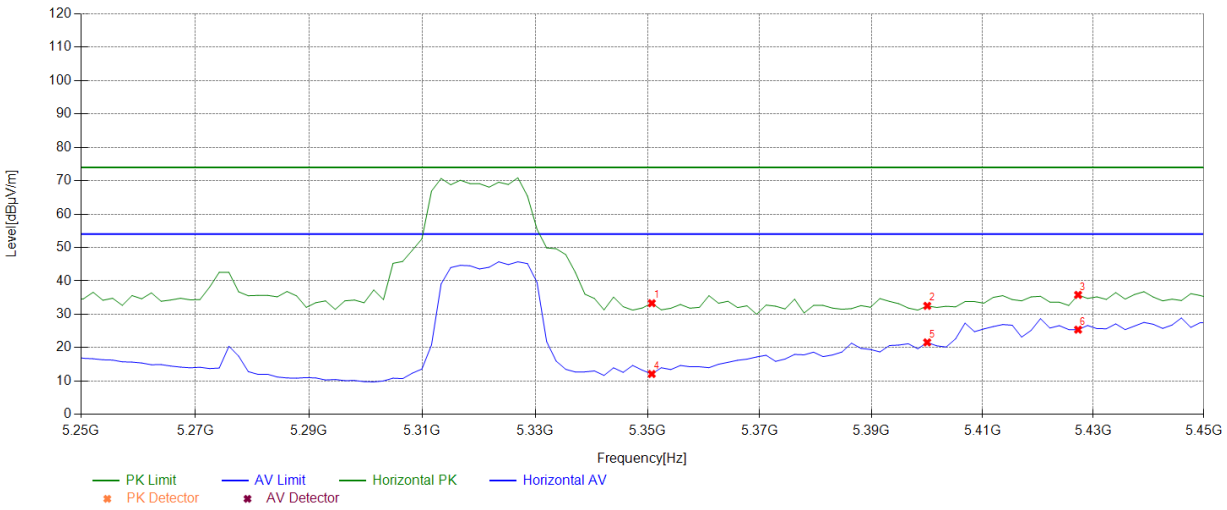
Frequency [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/ Fail
5068.5069	-0.35	39.06	38.71	74.00	35.29	PK	150	140	PASS
5121.2121	-0.19	35.00	34.81	74.00	39.19	PK	150	310	PASS
5150.115	-0.11	35.74	35.63	74.00	38.37	PK	150	10	PASS
5068.5069	-0.35	25.99	25.64	54.00	28.36	AV	150	20	PASS
5121.2121	-0.19	27.72	27.53	54.00	26.47	AV	150	10	PASS
5150.115	-0.11	28.43	28.32	54.00	25.68	AV	150	10	PASS



Test mode	802.11ax20
Test channel	Highest channel
polarization	Horizontal

Suspected List

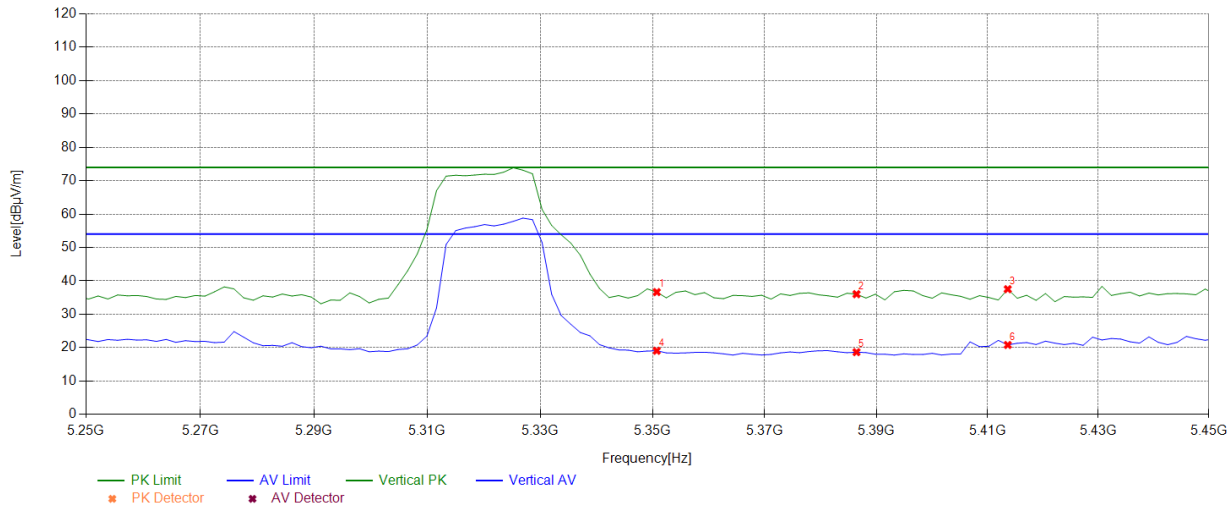
Frequency [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/ Fail
5350.7351	0.43	32.89	33.32	74.00	40.68	PK	150	270	PASS
5400.04	0.56	31.97	32.53	74.00	41.47	PK	150	10	PASS
5427.2427	0.63	35.18	35.81	74.00	38.19	PK	150	190	PASS
5350.7351	0.43	11.71	12.14	54.00	41.86	AV	150	10	PASS
5400.04	0.56	21.03	21.59	54.00	32.41	AV	150	20	PASS
5427.2427	0.63	24.78	25.41	54.00	28.59	AV	150	10	PASS



Test mode	802.11ax20
Test channel	Highest channel
polarization	Vertical

Suspected List

Frequency [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/ Fail
5350.7351	0.43	36.22	36.65	74.00	37.35	PK	150	240	PASS
5386.4386	0.52	35.51	36.03	74.00	37.97	PK	150	240	PASS
5413.6414	0.59	36.94	37.53	74.00	36.47	PK	150	320	PASS
5350.7351	0.43	18.66	19.09	54.00	34.91	AV	150	250	PASS
5386.4386	0.52	18.16	18.68	54.00	35.32	AV	150	250	PASS
5413.6414	0.59	20.23	20.82	54.00	33.18	AV	150	10	PASS



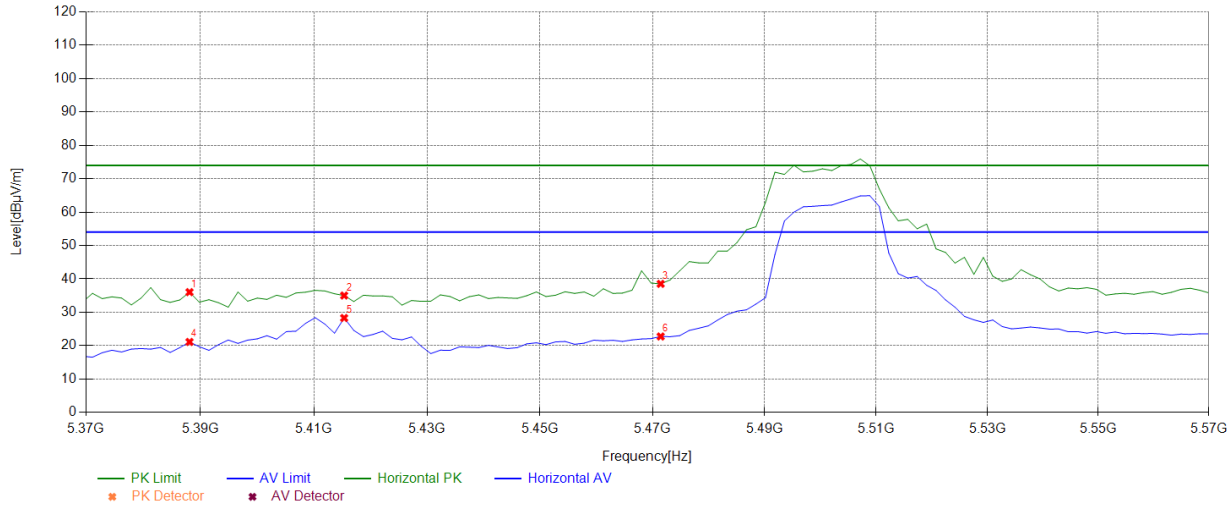
U-NII-2C:5470-5725MHz：

During the test, the Band Edge was performed in WIFI all modes with all channels and all antenna. 802.11ax20, Antenna1 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	Lowest channel
polarization	Horizontal

Suspected List

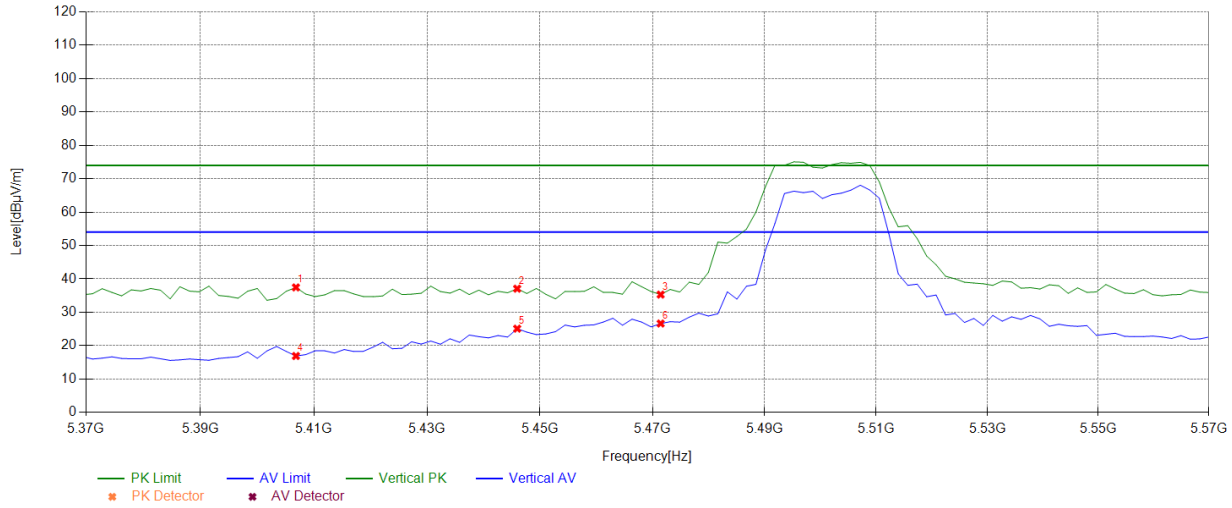
Frequency [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/ Fail
5388.1388	0.53	35.52	36.05	74.00	37.95	PK	150	200	PASS
5415.3415	0.60	34.43	35.03	74.00	38.97	PK	150	280	PASS
5471.4471	0.73	37.79	38.52	74.00	35.48	PK	150	180	PASS
5388.1388	0.53	20.60	21.13	54.00	32.87	AV	150	10	PASS
5415.3415	0.60	27.70	28.30	54.00	25.70	AV	150	10	PASS
5471.4471	0.73	22.03	22.76	54.00	31.24	AV	150	60	PASS



Test mode	802.11ax20
Test channel	Lowest channel
polarization	Vertical

Suspected List

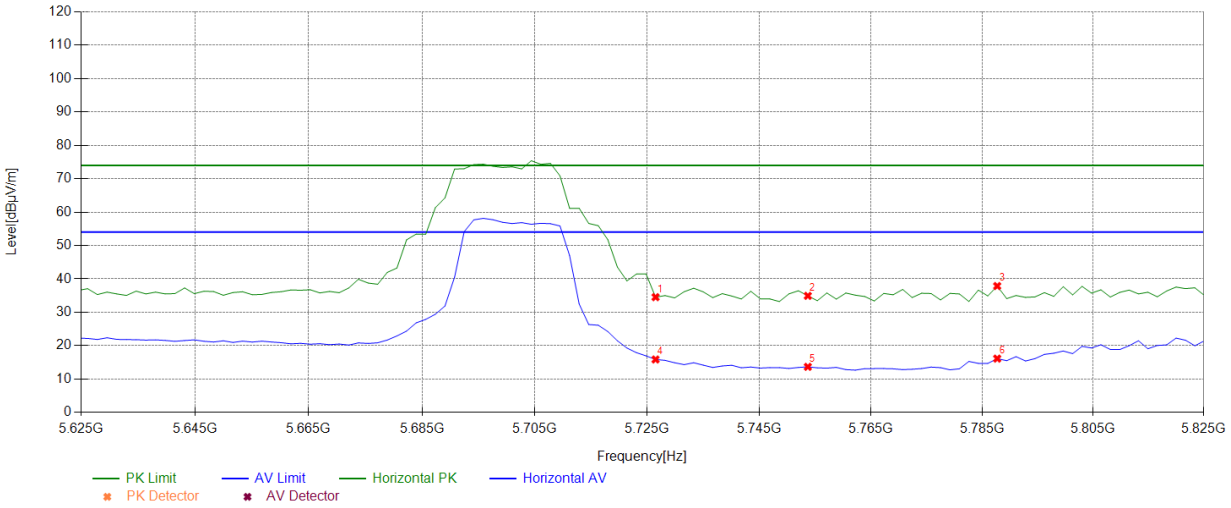
Frequency [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/ Fail
5406.8407	0.57	36.88	37.45	74.00	36.55	PK	150	340	PASS
5445.9446	0.67	36.41	37.08	74.00	36.92	PK	150	230	PASS
5471.4471	0.73	34.58	35.31	74.00	38.69	PK	150	170	PASS
5406.8407	0.57	16.35	16.92	54.00	37.08	AV	150	360	PASS
5445.9446	0.67	24.44	25.11	54.00	28.89	AV	150	10	PASS
5471.4471	0.73	25.91	26.64	54.00	27.36	AV	150	10	PASS



Test mode	802.11ax20
Test channel	Highest channel
polarization	Horizontal

Suspected List

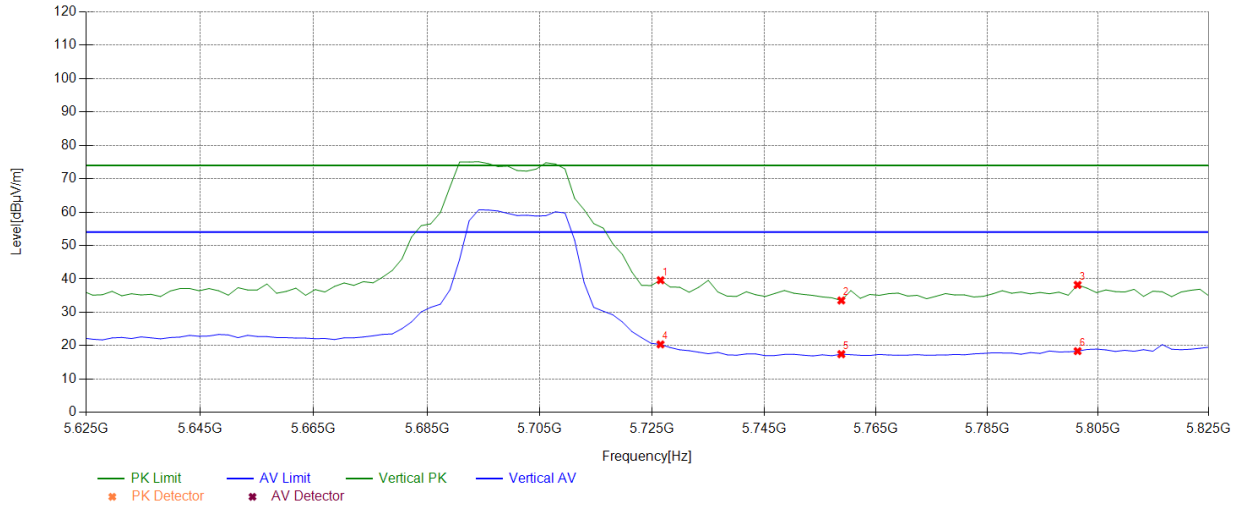
Frequency [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/ Fail
5726.4726	1.65	32.89	34.54	74.00	39.46	PK	150	90	PASS
5753.6754	1.75	33.18	34.93	74.00	39.07	PK	150	240	PASS
5787.6788	1.88	35.99	37.87	74.00	36.13	PK	150	350	PASS
5726.4726	1.65	14.23	15.88	54.00	38.12	AV	150	350	PASS
5753.6754	1.75	11.93	13.68	54.00	40.32	AV	150	350	PASS
5787.6788	1.88	14.26	16.14	54.00	37.86	AV	150	20	PASS



Test mode	802.11ax20
Test channel	Highest channel
polarization	Vertical

Suspected List

Frequency [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/ Fail
5726.4726	1.65	37.96	39.61	74.00	34.39	PK	150	160	PASS
5758.7759	1.77	31.78	33.55	74.00	40.45	PK	150	160	PASS
5801.2801	1.93	36.28	38.21	74.00	35.79	PK	150	230	PASS
5726.4726	1.65	18.74	20.39	54.00	33.61	AV	150	200	PASS
5758.7759	1.77	15.70	17.47	54.00	36.53	AV	150	270	PASS
5801.2801	1.93	16.45	18.38	54.00	35.62	AV	150	290	PASS



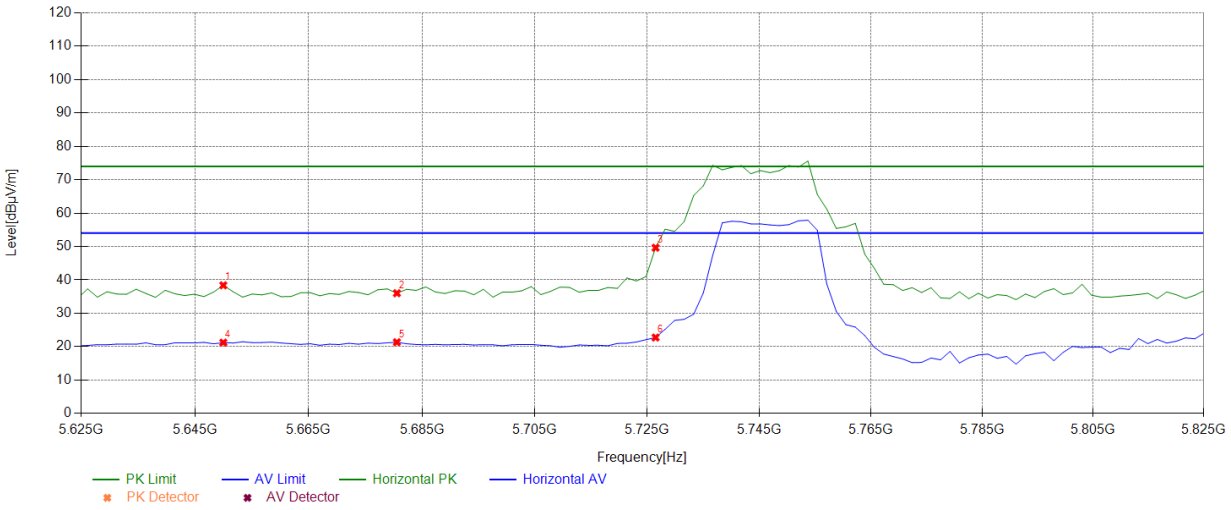
U-NII-3 5725-5850MHz：

During the test, the Band Edge was performed in WIFI all modes with all channels and all antenna. 802.11ax20, Antenna1 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	Lowest channel
polarization	Horizontal

Suspected List

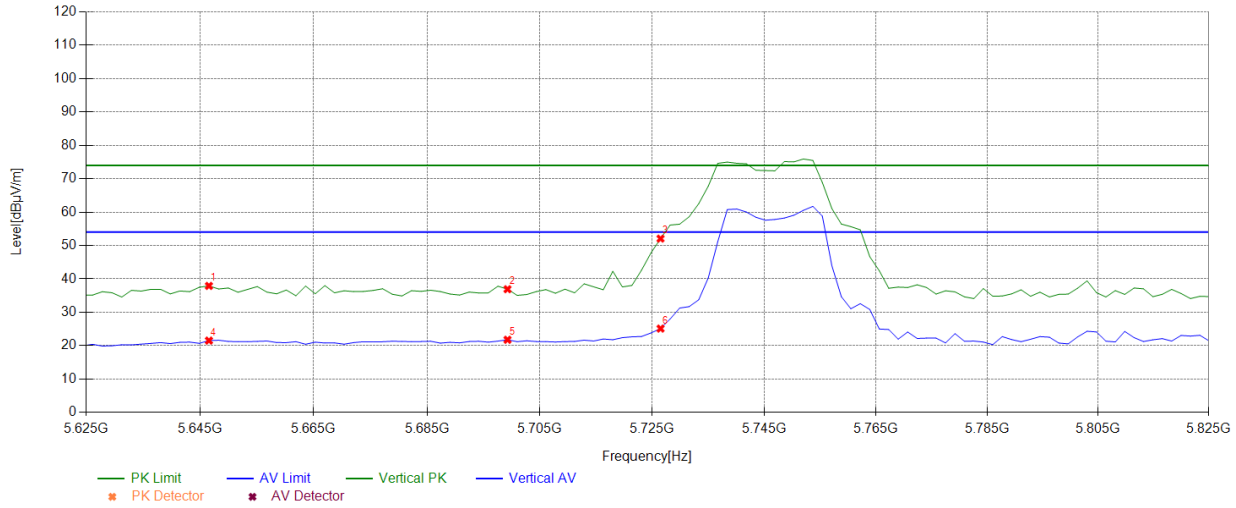
Frequency [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/ Fail
5649.965	1.36	37.03	38.39	74.00	35.61	PK	150	270	PASS
5680.5681	1.48	34.53	36.01	74.00	37.99	PK	150	250	PASS
5726.4726	1.65	47.99	49.64	74.00	24.36	PK	150	260	PASS
5649.965	1.36	19.87	21.23	54.00	32.77	AV	150	360	PASS
5680.5681	1.48	19.86	21.34	54.00	32.66	AV	150	360	PASS
5726.4726	1.65	21.10	22.75	54.00	31.25	AV	150	360	PASS



Test mode	802.11ax20
Test channel	Lowest channel
polarization	Vertical

Suspected List

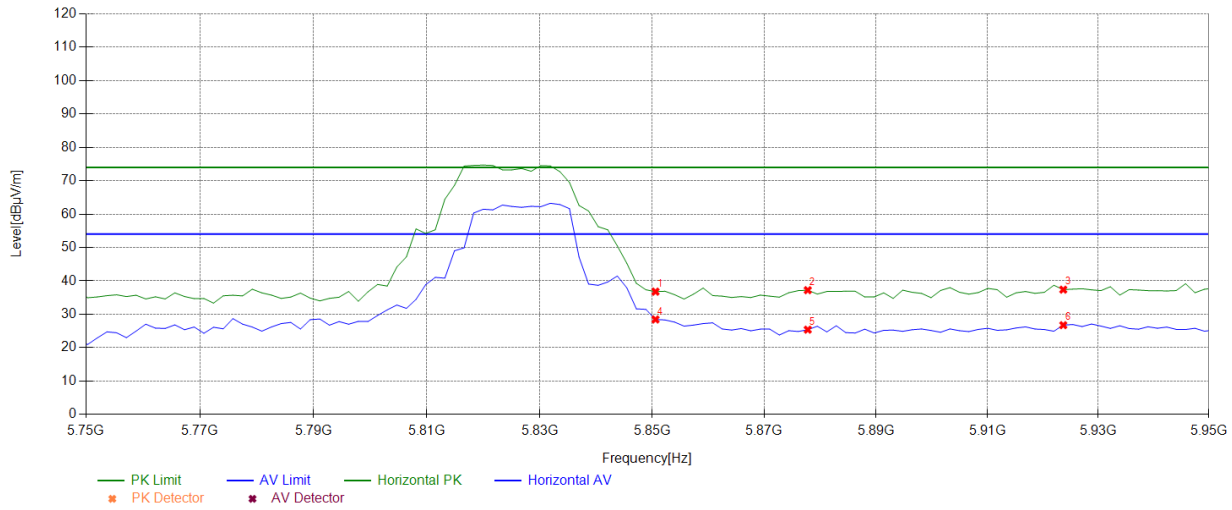
Frequency [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/ Fail
5646.5647	1.35	36.56	37.91	74.00	36.09	PK	150	70	PASS
5699.2699	1.55	35.38	36.93	74.00	37.07	PK	150	210	PASS
5726.4726	1.65	50.42	52.07	74.00	21.93	PK	150	230	PASS
5646.5647	1.35	20.19	21.54	54.00	32.46	AV	150	270	PASS
5699.2699	1.55	20.24	21.79	54.00	32.21	AV	150	300	PASS
5726.4726	1.65	23.47	25.12	54.00	28.88	AV	150	310	PASS



Test mode	802.11ax20
Test channel	Highest channel
polarization	Horizontal

Suspected List

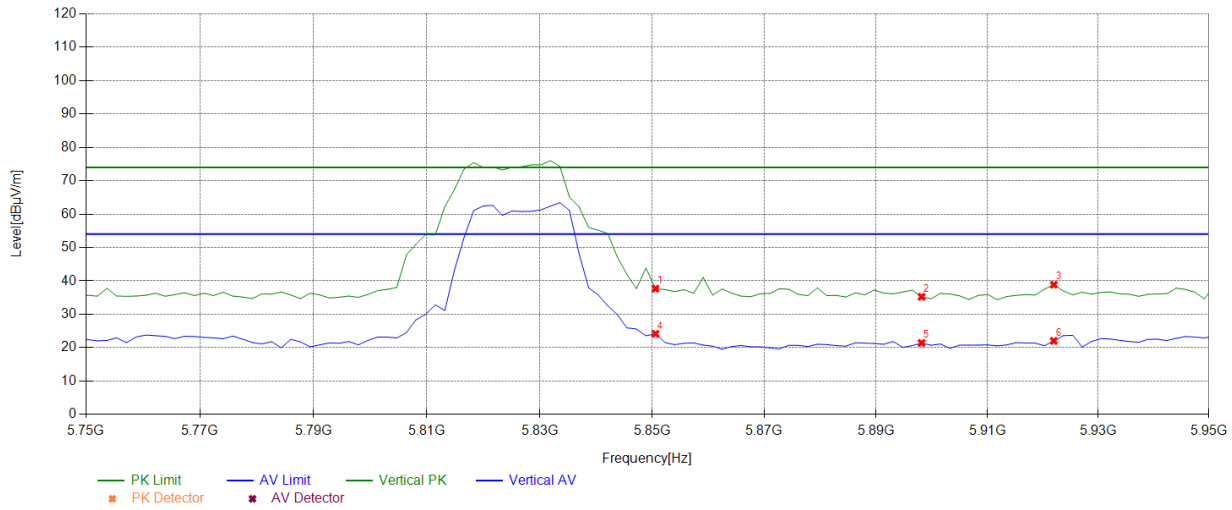
Frequency [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/ Fail
5850.5851	2.13	34.66	36.79	74.00	37.21	PK	150	10	PASS
5877.7878	2.24	34.98	37.22	74.00	36.78	PK	150	100	PASS
5923.6924	2.42	34.97	37.39	74.00	36.61	PK	150	40	PASS
5850.5851	2.13	26.33	28.46	54.00	25.54	AV	150	10	PASS
5877.7878	2.24	23.17	25.41	54.00	28.59	AV	150	20	PASS
5923.6924	2.42	24.34	26.76	54.00	27.24	AV	150	30	PASS



Test mode	802.11ax20
Test channel	Highest channel
polarization	Vertical

Suspected List

Frequency [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/ Fail
5850.5851	2.13	35.54	37.67	74.00	36.33	PK	150	330	PASS
5898.1898	2.32	32.93	35.25	74.00	38.75	PK	150	130	PASS
5921.9922	2.41	36.46	38.87	74.00	35.13	PK	150	100	PASS
5850.5851	2.13	22.01	24.14	54.00	29.86	AV	150	10	PASS
5898.1898	2.32	19.10	21.42	54.00	32.58	AV	150	50	PASS
5921.9922	2.41	19.64	22.05	54.00	31.95	AV	150	10	PASS



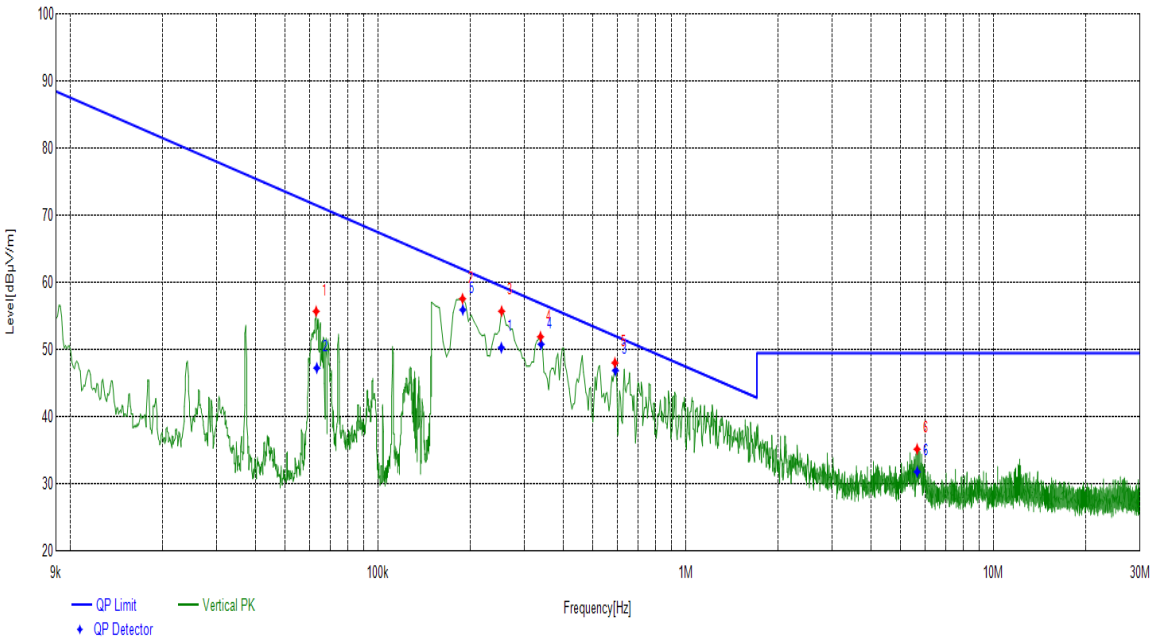
5.7.2 SPURIOUS EMISSIONS:

5.7.2.1 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, Antenna1 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

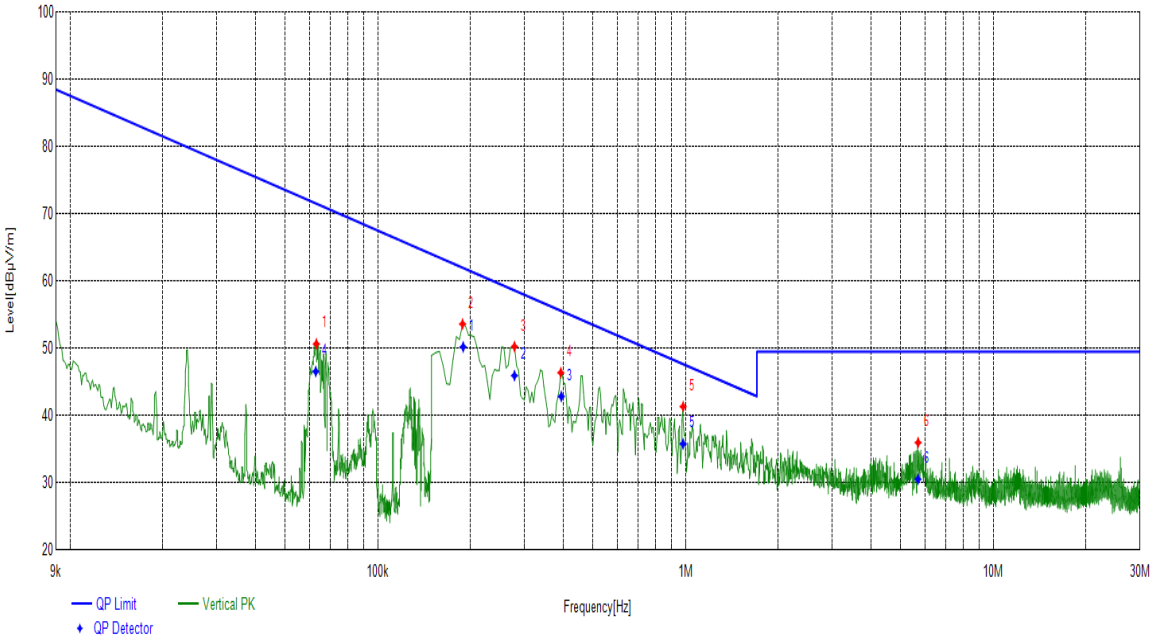
Radiated Emission	9KHz-30MHz
Polarity	X axis
Test channel	Worst-Case

Final Data List								
Frequency [MHz]	Polarity	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Pass/Fail
0.2519	X axis	19.48	50.34	59.49	9.15	100	310	PASS
0.0633	X axis	19.66	47.31	71.52	24.21	100	121	PASS
0.5916	X axis	19.67	46.93	52.07	5.14	100	119	PASS
0.3392	X axis	19.55	50.85	56.90	6.05	100	111	PASS
0.1888	X axis	19.48	55.98	62.01	6.03	100	103	PASS
5.6585	X axis	19.66	31.85	49.50	17.65	100	65	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
0.1893	Y axis	19.48	50.24	61.98	11.74	100	38	PASS
0.2779	Y axis	19.51	45.97	58.64	12.67	100	47	PASS
0.3944	Y axis	19.59	42.87	55.59	12.72	100	92	PASS
0.0628	Y axis	19.66	46.58	71.58	25.00	100	190	PASS
0.9813	Y axis	19.70	35.82	47.68	11.86	100	217	PASS
5.6913	Y axis	19.66	30.55	49.50	18.95	100	283	PASS



5.7.2.2 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, Antenna1 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

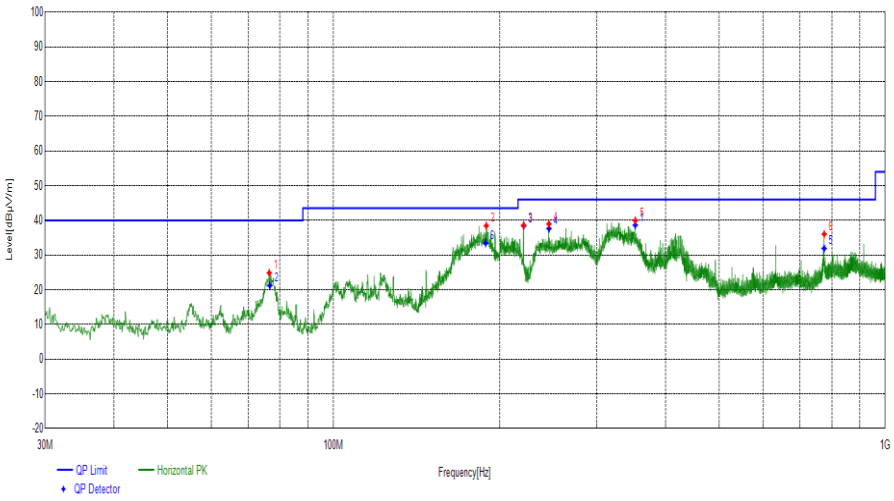
Radiates Emission	30M~1G
Test channel	Worst-Case

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
76.4676	Horizontal	9.02	15.82	24.84	40.00	15.16	PK	100	160	PASS
189.1929	Horizontal	12.66	25.78	38.44	43.52	5.08	PK	100	310	PASS
221.1091	Horizontal	13.45	25.16	38.61	46.02	7.41	PK	100	260	PASS
245.7496	Horizontal	14.10	24.88	38.98	46.02	7.04	PK	100	270	PASS
352.3632	Horizontal	16.76	23.19	39.95	46.02	6.07	PK	100	60	PASS
775.3255	Horizontal	24.24	11.79	36.03	46.02	9.99	PK	100	300	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
352.3071	Horizontal	16.76	38.64	46.02	7.38	220	65	PASS
76.6624	Horizontal	9.02	21.21	40.00	18.79	290	165	PASS
221.1891	Horizontal	13.44	38.41	46.02	7.61	250	265	PASS
245.7710	Horizontal	14.10	37.64	46.02	8.38	140	275	PASS
775.0899	Horizontal	24.25	31.91	46.02	14.11	260	305	PASS
188.6015	Horizontal	12.67	33.48	43.52	10.04	120	315	PASS



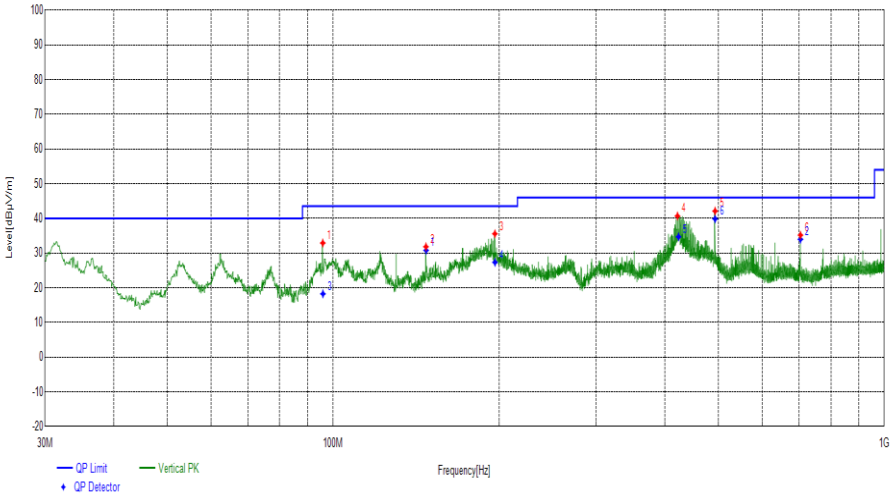
Radiates Emission	30M~1G
Test channel	Worst-Case

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
95.7726	Vertical	11.02	21.88	32.90	43.52	10.62	PK	100	270	PASS
147.3817	Vertical	9.52	22.30	31.82	43.52	11.70	PK	100	1	PASS
196.5657	Vertical	12.84	22.72	35.56	43.52	7.96	PK	100	122	PASS
421.5312	Vertical	18.28	22.41	40.69	46.02	5.33	PK	100	73	PASS
493.2213	Vertical	19.59	22.51	42.10	46.02	3.92	PK	100	1	PASS
704.7025	Vertical	23.27	11.90	35.17	46.02	10.85	PK	100	356	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
147.4734	Vertical	9.52	30.79	43.52	12.73	160	340	PASS
704.6520	Vertical	23.27	33.97	46.02	12.05	210	220	PASS
95.8377	Vertical	11.02	18.25	43.52	25.27	160	275	PASS
196.6226	Vertical	12.84	27.33	43.52	16.19	200	127	PASS
423.4406	Vertical	18.27	34.69	46.02	11.33	280	78	PASS
493.2784	Vertical	19.59	39.85	46.02	6.17	220	360	PASS



5.7.2.3 Above 1GHz:

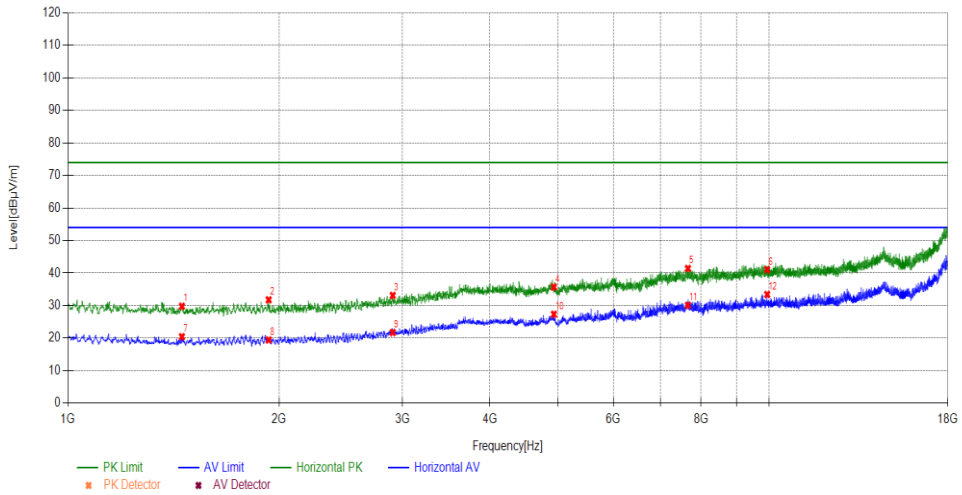
5.7.2.3.1 U-NII-1:

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, Antenna1 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

Radiates Emission	1G~18G
Test channel	Worst-Case
polarization	Horizontal

Suspected List

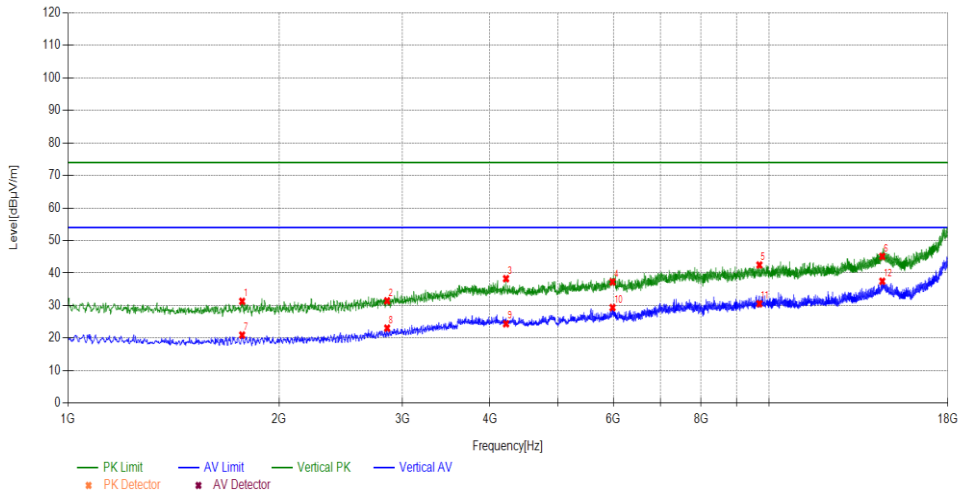
Frequency[MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/Fail
1453.9454	-9.48	39.30	29.82	74.00	44.18	PK	150	110	PASS
1933.3933	-7.96	39.74	31.78	74.00	42.22	PK	150	100	PASS
2905.8906	-5.04	38.16	33.12	74.00	40.88	PK	150	20	PASS
4934.1934	-0.81	36.52	35.71	74.00	38.29	PK	150	360	PASS
7662.9663	4.91	36.51	41.42	74.00	32.58	PK	150	60	PASS
9941.1941	8.60	32.48	41.08	74.00	32.92	PK	150	360	PASS
1453.9454	-9.48	29.95	20.47	54.00	33.53	AV	150	10	PASS
1933.3933	-7.96	27.43	19.47	54.00	34.53	AV	150	120	PASS
2905.8906	-5.04	26.78	21.74	54.00	32.26	AV	150	70	PASS
4934.1934	-0.81	28.15	27.34	54.00	26.66	AV	150	10	PASS
7662.9663	4.91	25.18	30.09	54.00	23.91	AV	150	60	PASS
9941.1941	8.60	24.84	33.44	54.00	20.56	AV	150	10	PASS



Radiates Emission	1G~18G
Test channel	Worst-Case
polarization	Vertical

Suspected List

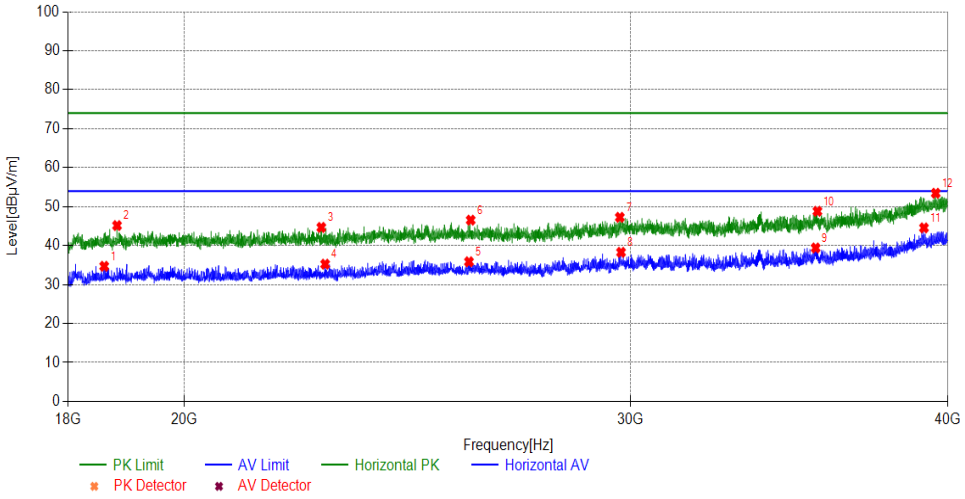
Frequency[MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/Fail
1771.8772	-8.28	39.62	31.34	74.00	42.66	PK	150	80	PASS
2853.1853	-5.25	36.73	31.48	74.00	42.52	PK	150	40	PASS
4216.7217	-2.35	40.64	38.29	74.00	35.71	PK	150	70	PASS
5983.1983	2.65	34.64	37.29	74.00	36.71	PK	150	10	PASS
9691.2691	8.38	34.10	42.48	74.00	31.52	PK	150	80	PASS
14509.551	13.29	31.85	45.14	74.00	28.86	PK	150	330	PASS
1771.8772	-8.28	29.25	20.97	54.00	33.03	AV	150	10	PASS
2853.1853	-5.25	28.33	23.08	54.00	30.92	AV	150	10	PASS
4216.7217	-2.35	26.77	24.42	54.00	29.58	AV	150	310	PASS
5983.1983	2.65	26.75	29.40	54.00	24.60	AV	150	10	PASS
9691.2691	8.38	22.19	30.57	54.00	23.43	AV	150	50	PASS
14509.551	13.29	24.19	37.48	54.00	16.52	AV	150	10	PASS



Radiates Emission	18G~40G
Test channel	Worst-Case
polarization	Horizontal

Suspected List

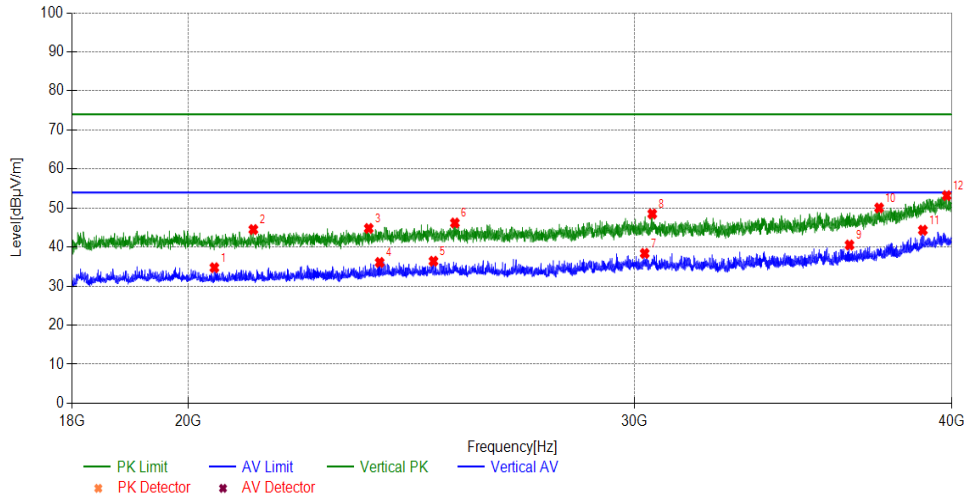
Frequency[MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/Fail
39564.3564	10.78	42.65	53.43	74.00	20.57	PK	150	70	PASS
35535.7536	7.23	41.57	48.80	74.00	25.20	PK	150	10	PASS
25940.5941	4.48	42.05	46.53	74.00	27.47	PK	150	20	PASS
18818.4818	1.30	43.84	45.14	74.00	28.86	PK	150	90	PASS
22651.2651	2.55	42.11	44.66	74.00	29.34	PK	150	50	PASS
29700.7701	6.49	40.76	47.25	74.00	26.75	PK	150	70	PASS
22730.4730	2.63	32.60	35.23	54.00	18.77	AV	150	10	PASS
25900.9901	4.46	31.38	35.84	54.00	18.16	AV	150	10	PASS
39144.1144	10.76	33.78	44.54	54.00	9.46	AV	150	10	PASS
29733.7734	6.51	31.76	38.27	54.00	15.73	AV	150	10	PASS
35478.5479	7.18	32.21	39.39	54.00	14.61	AV	150	10	PASS
18600.6601	1.25	33.44	34.69	54.00	19.31	AV	150	10	PASS
34008.8009	10.78	42.65	53.43	74.00	20.57	PK	150	70	PASS
18167.2167	7.23	41.57	48.80	74.00	25.20	PK	150	10	PASS



Radiates Emission	18G~40G
Test channel	Worst-Case
polarization	Vertical

Suspected List

Frequency[MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/Fail
39815.1815	10.79	42.39	53.18	74.00	20.82	PK	150	60	PASS
37445.5446	8.24	41.79	50.03	74.00	23.97	PK	150	130	PASS
25478.5479	4.29	41.88	46.17	74.00	27.83	PK	150	40	PASS
30477.4477	6.49	42.01	48.50	74.00	25.50	PK	150	30	PASS
23562.1562	3.35	41.43	44.78	74.00	29.22	PK	150	40	PASS
21218.9219	1.70	42.79	44.49	74.00	29.51	PK	150	70	PASS
23797.5798	3.54	32.52	36.06	54.00	17.94	AV	150	10	PASS
24987.8988	4.10	32.28	36.38	54.00	17.62	AV	150	10	PASS
38961.4962	10.67	33.65	44.32	54.00	9.68	AV	150	10	PASS
30268.4268	6.58	31.80	38.38	54.00	15.62	AV	150	10	PASS
36453.2453	7.48	33.05	40.53	54.00	13.47	AV	150	10	PASS
20481.8482	1.47	33.25	34.72	54.00	19.28	AV	150	10	PASS



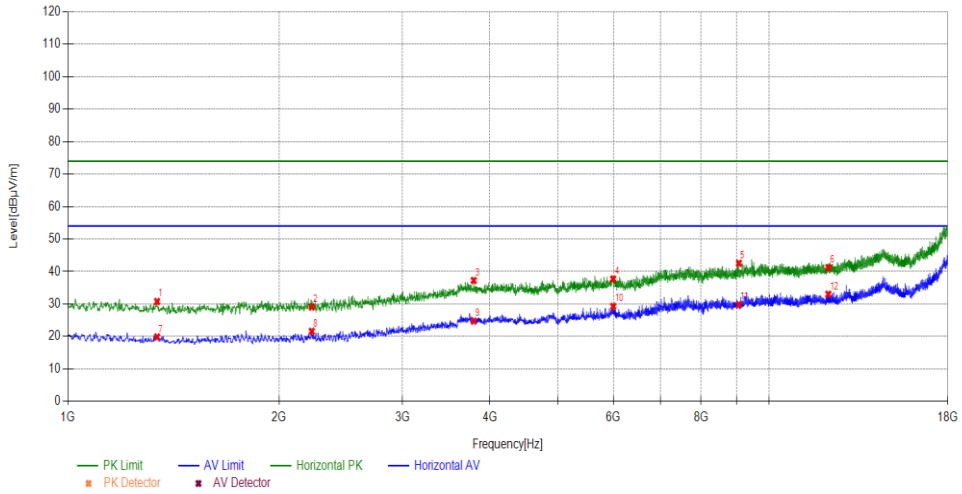
5.7.2.3.2 U-NII-2A:

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, Antenna1 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

Radiates Emission	1G~18G
Test channel	Worst-Case
polarization	Horizontal

Suspected List

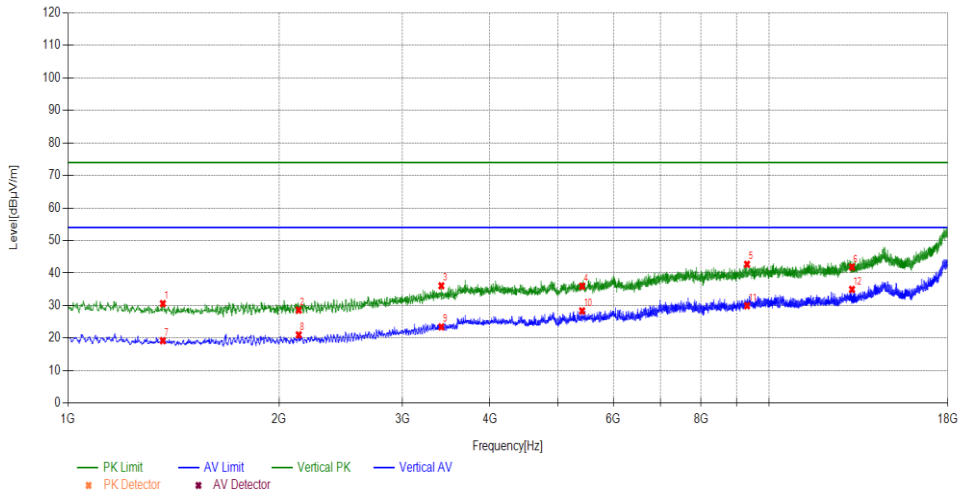
Frequency[MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/Fail
1340.034	-9.67	40.44	30.77	74.00	43.23	PK	150	230	PASS
2227.5228	-7.29	36.38	29.09	74.00	44.91	PK	150	10	PASS
3791.6792	-2.56	39.82	37.26	74.00	36.74	PK	150	310	PASS
5995.0995	2.70	34.98	37.68	74.00	36.32	PK	150	170	PASS
9058.8059	6.68	35.88	42.56	74.00	31.44	PK	150	150	PASS
12154.8155	7.55	33.66	41.21	74.00	32.79	PK	150	200	PASS
1340.034	-9.67	29.52	19.85	54.00	34.15	AV	150	70	PASS
2227.5228	-7.29	28.89	21.60	54.00	32.40	AV	150	10	PASS
3791.6792	-2.56	27.30	24.74	54.00	29.26	AV	150	170	PASS
5995.0995	2.70	26.58	29.28	54.00	24.72	AV	150	10	PASS
9058.8059	6.68	23.13	29.81	54.00	24.19	AV	150	360	PASS
12154.8155	7.55	25.48	33.03	54.00	20.97	AV	150	10	PASS



Radiates Emission	1G~18G
Test channel	Worst-Case
polarization	Vertical

Suspected List

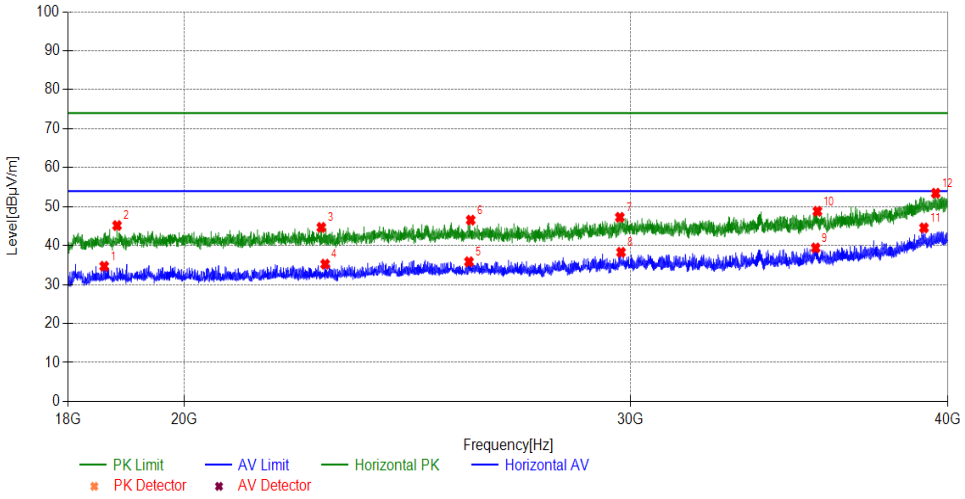
Frequency[MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/Fail
1365.5366	-9.63	40.26	30.63	74.00	43.37	PK	150	120	PASS
2134.0134	-7.53	36.15	28.62	74.00	45.38	PK	150	200	PASS
3409.1409	-3.18	39.28	36.10	74.00	37.90	PK	150	360	PASS
5413.6414	0.59	35.38	35.97	74.00	38.03	PK	150	130	PASS
9305.3305	7.63	35.08	42.71	74.00	31.29	PK	150	310	PASS
13135.8136	9.73	32.14	41.87	74.00	32.13	PK	150	60	PASS
1365.5366	-9.63	28.86	19.23	54.00	34.77	AV	150	20	PASS
2134.0134	-7.53	28.55	21.02	54.00	32.98	AV	150	10	PASS
3409.1409	-3.18	26.66	23.48	54.00	30.52	AV	150	20	PASS
5413.6414	0.59	27.78	28.37	54.00	25.63	AV	150	10	PASS
9305.3305	7.63	22.34	29.97	54.00	24.03	AV	150	30	PASS
13135.8136	9.73	25.25	34.98	54.00	19.02	AV	150	10	PASS



Radiates Emission	18G~40G
Test channel	Worst-Case
polarization	Horizontal

Suspected List

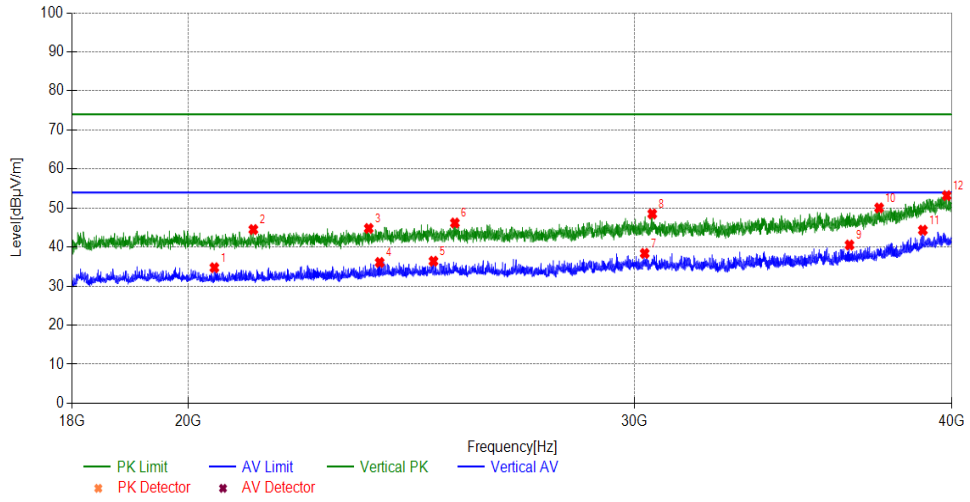
Frequency[MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/Fail
39564.3564	10.78	42.65	53.43	74.00	20.57	PK	150	70	PASS
35535.7536	7.23	41.57	48.80	74.00	25.20	PK	150	10	PASS
25940.5941	4.48	42.05	46.53	74.00	27.47	PK	150	20	PASS
18818.4818	1.30	43.84	45.14	74.00	28.86	PK	150	90	PASS
22651.2651	2.55	42.11	44.66	74.00	29.34	PK	150	50	PASS
29700.7701	6.49	40.76	47.25	74.00	26.75	PK	150	70	PASS
22730.4730	2.63	32.60	35.23	54.00	18.77	AV	150	10	PASS
25900.9901	4.46	31.38	35.84	54.00	18.16	AV	150	10	PASS
39144.1144	10.76	33.78	44.54	54.00	9.46	AV	150	10	PASS
29733.7734	6.51	31.76	38.27	54.00	15.73	AV	150	10	PASS
35478.5479	7.18	32.21	39.39	54.00	14.61	AV	150	10	PASS
18600.6601	1.25	33.44	34.69	54.00	19.31	AV	150	10	PASS
34008.8009	10.78	42.65	53.43	74.00	20.57	PK	150	70	PASS
18167.2167	7.23	41.57	48.80	74.00	25.20	PK	150	10	PASS



Radiates Emission	18G~40G
Test channel	Worst-Case
polarization	Vertical

Suspected List

Frequency[MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/Fail
39815.1815	10.79	42.39	53.18	74.00	20.82	PK	150	60	PASS
37445.5446	8.24	41.79	50.03	74.00	23.97	PK	150	130	PASS
25478.5479	4.29	41.88	46.17	74.00	27.83	PK	150	40	PASS
30477.4477	6.49	42.01	48.50	74.00	25.50	PK	150	30	PASS
23562.1562	3.35	41.43	44.78	74.00	29.22	PK	150	40	PASS
21218.9219	1.70	42.79	44.49	74.00	29.51	PK	150	70	PASS
23797.5798	3.54	32.52	36.06	54.00	17.94	AV	150	10	PASS
24987.8988	4.10	32.28	36.38	54.00	17.62	AV	150	10	PASS
38961.4962	10.67	33.65	44.32	54.00	9.68	AV	150	10	PASS
30268.4268	6.58	31.80	38.38	54.00	15.62	AV	150	10	PASS
36453.2453	7.48	33.05	40.53	54.00	13.47	AV	150	10	PASS
20481.8482	1.47	33.25	34.72	54.00	19.28	AV	150	10	PASS



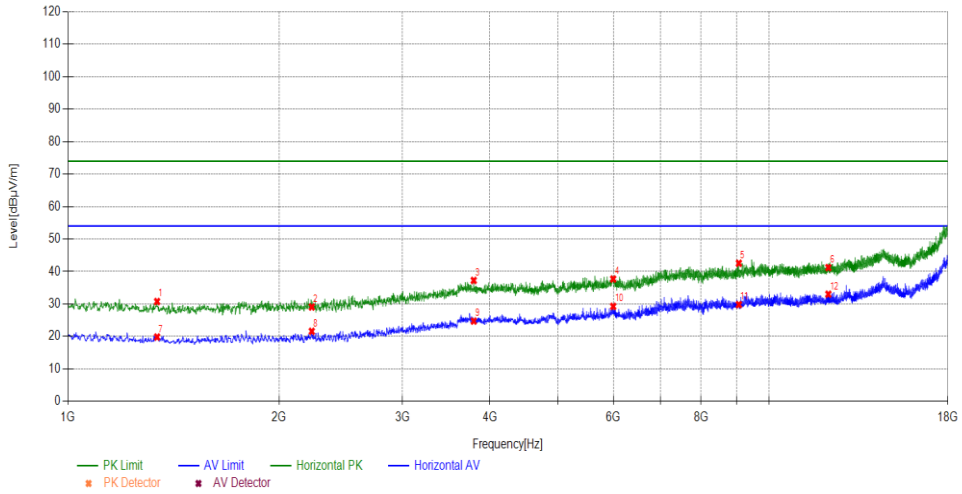
5.7.2.3.3 U-NII-2C:

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, Antenna1 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

Radiates Emission	1G~18G
Test channel	Worst-Case
polarization	Horizontal

Suspected List

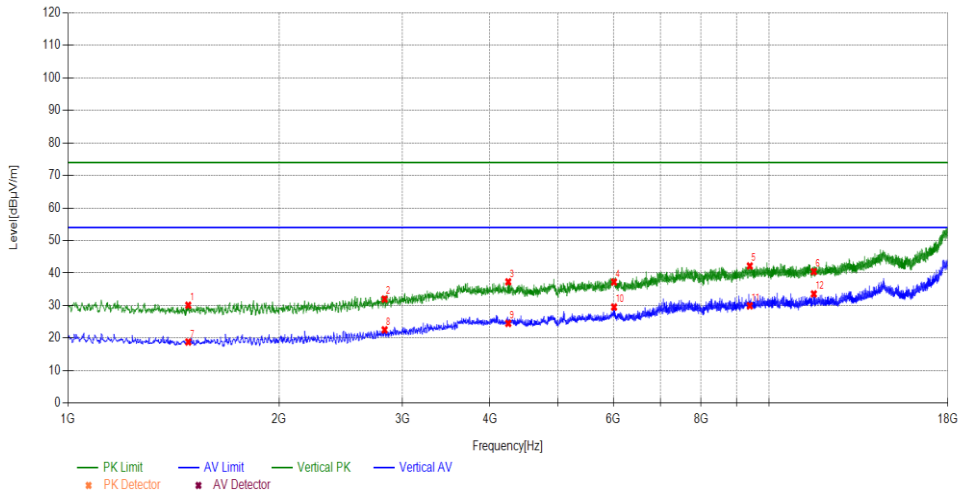
Frequency[MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/Fail
1753.1753	-8.37	39.13	30.76	74.00	43.24	PK	150	40	PASS
2868.4868	-5.19	35.74	30.55	74.00	43.45	PK	150	10	PASS
4101.1101	-2.27	39.21	36.94	74.00	37.06	PK	150	200	PASS
6850.285	4.15	32.78	36.93	74.00	37.07	PK	150	160	PASS
9662.3662	8.34	33.86	42.20	74.00	31.80	PK	150	140	PASS
11926.9927	7.30	33.08	40.38	74.00	33.62	PK	150	20	PASS
1753.1753	-8.37	28.63	20.26	54.00	33.74	AV	150	30	PASS
2868.4868	-5.19	29.58	24.39	54.00	29.61	AV	150	10	PASS
4101.1101	-2.27	29.47	27.20	54.00	26.80	AV	150	10	PASS
6850.285	4.15	26.12	30.27	54.00	23.73	AV	150	10	PASS
9662.3662	8.34	22.21	30.55	54.00	23.45	AV	150	20	PASS
11926.9927	7.30	25.64	32.94	54.00	21.06	AV	150	20	PASS



Radiates Emission	1G~18G
Test channel	Worst-Case
polarization	Vertical

Suspected List

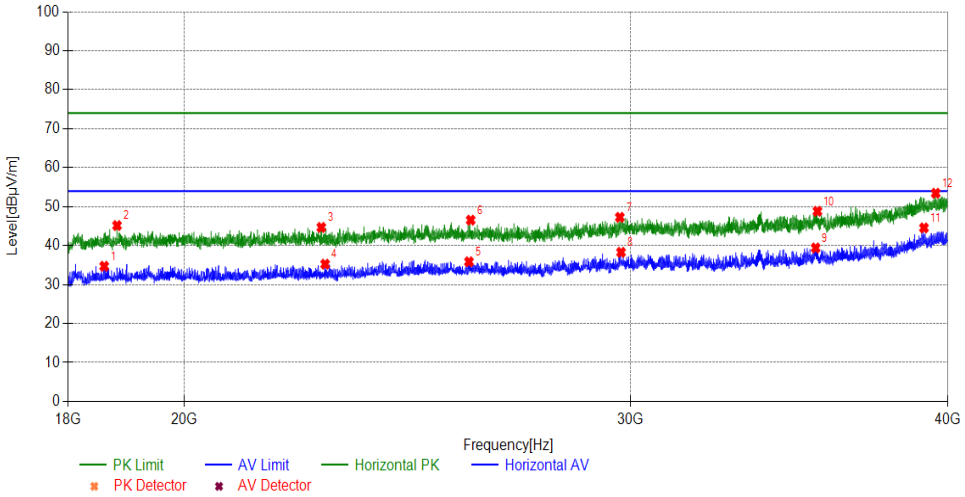
Frequency[MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/Fail
1484.5485	-9.43	39.55	30.12	74.00	43.88	PK	150	230	PASS
2829.3829	-5.34	37.36	32.02	74.00	41.98	PK	150	20	PASS
4247.3247	-2.37	39.67	37.30	74.00	36.70	PK	150	180	PASS
6012.1012	2.72	34.53	37.25	74.00	36.75	PK	150	260	PASS
9390.339	8.05	34.14	42.19	74.00	31.81	PK	150	100	PASS
11588.6589	7.09	33.37	40.46	74.00	33.54	PK	150	350	PASS
1484.5485	-9.43	28.26	18.83	54.00	35.17	AV	150	350	PASS
2829.3829	-5.34	27.90	22.56	54.00	31.44	AV	150	20	PASS
4247.3247	-2.37	26.92	24.55	54.00	29.45	AV	150	320	PASS
6012.1012	2.72	26.85	29.57	54.00	24.43	AV	150	10	PASS
9390.339	8.05	21.89	29.94	54.00	24.06	AV	150	360	PASS
11588.6589	7.09	26.51	33.60	54.00	20.40	AV	150	10	PASS



Radiates Emission	18G~40G
Test channel	Worst-Case
polarization	Horizontal

Suspected List

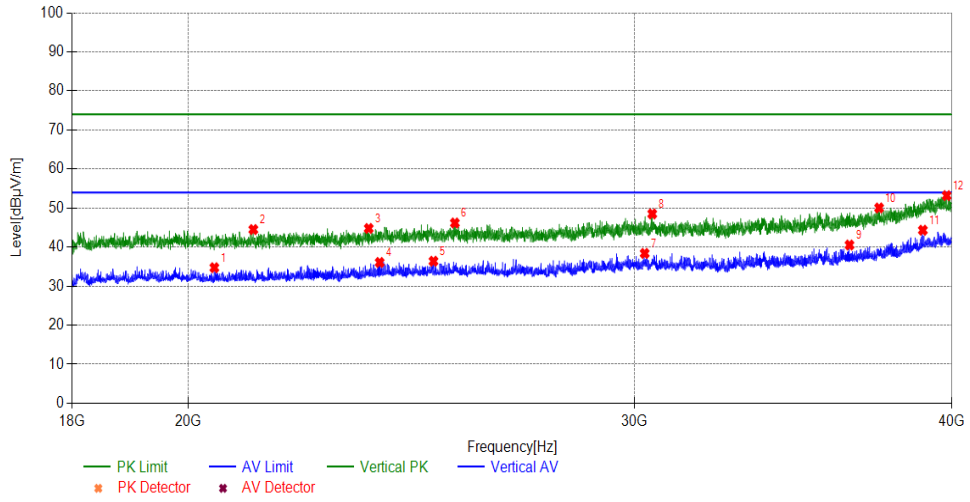
Frequency[MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/Fail
39564.3560	10.78	42.65	53.43	74.00	20.57	PK	150	70	PASS
35535.7566	7.23	41.57	48.80	74.00	25.20	PK	150	10	PASS
25940.5931	4.48	42.05	46.53	74.00	27.47	PK	150	20	PASS
18818.4878	1.30	43.84	45.14	74.00	28.86	PK	150	90	PASS
22651.2653	2.55	42.11	44.66	74.00	29.34	PK	150	50	PASS
29700.7731	6.49	40.76	47.25	74.00	26.75	PK	150	70	PASS
22730.4735	2.63	32.60	35.23	54.00	18.77	AV	150	10	PASS
25900.9905	4.46	31.38	35.84	54.00	18.16	AV	150	10	PASS
39144.1142	10.76	33.78	44.54	54.00	9.46	AV	150	10	PASS
29733.7754	6.51	31.76	38.27	54.00	15.73	AV	150	10	PASS
35478.5482	7.18	32.21	39.39	54.00	14.61	AV	150	10	PASS
18600.6607	1.25	33.44	34.69	54.00	19.31	AV	150	10	PASS
34008.8006	10.78	42.65	53.43	74.00	20.57	PK	150	70	PASS
18167.2167	7.23	41.57	48.80	74.00	25.20	PK	150	10	PASS



Radiates Emission	18G~40G
Test channel	Worst-Case
polarization	Vertical

Suspected List

Frequency[MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/Fail
39815.1817	10.79	42.39	53.18	74.00	20.82	PK	150	70	PASS
37445.5446	8.24	41.79	50.03	74.00	23.97	PK	150	130	PASS
25478.5479	4.29	41.88	46.17	74.00	27.83	PK	150	40	PASS
30477.4473	6.49	42.01	48.50	74.00	25.50	PK	150	30	PASS
23562.1562	3.35	41.43	44.78	74.00	29.22	PK	150	30	PASS
21218.9219	1.70	42.79	44.49	74.00	29.51	PK	150	70	PASS
23797.5798	3.54	32.52	36.06	54.00	17.94	AV	150	10	PASS
24987.8988	4.10	32.28	36.38	54.00	17.62	AV	150	10	PASS
38961.4962	10.67	33.65	44.32	54.00	9.68	AV	150	10	PASS
30268.4268	6.58	31.80	38.38	54.00	15.62	AV	150	10	PASS
36453.2453	7.48	33.05	40.53	54.00	13.47	AV	150	10	PASS
20481.8482	1.47	33.25	34.72	54.00	19.28	AV	150	10	PASS



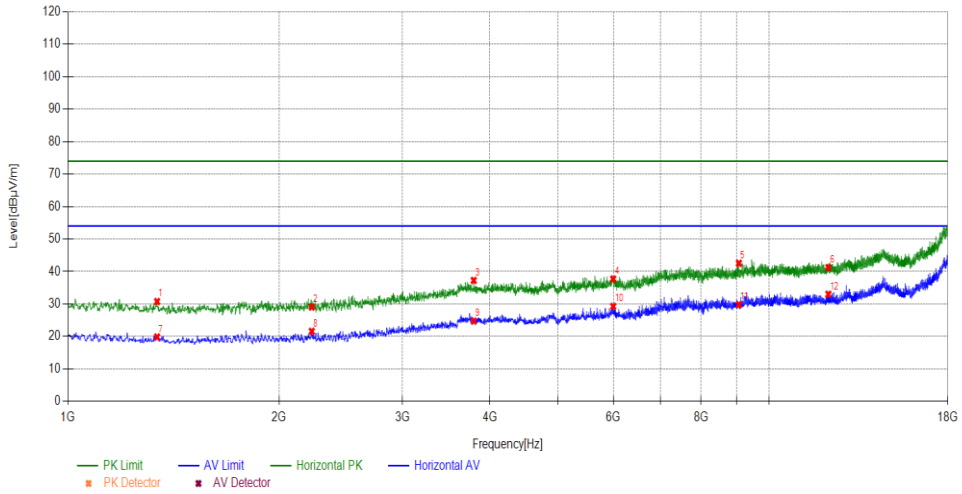
5.7.2.3.4 U-NII-3:

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, Antenna1 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

Radiates Emission	1G~18G
Test channel	Worst-Case
polarization	Horizontal

Suspected List

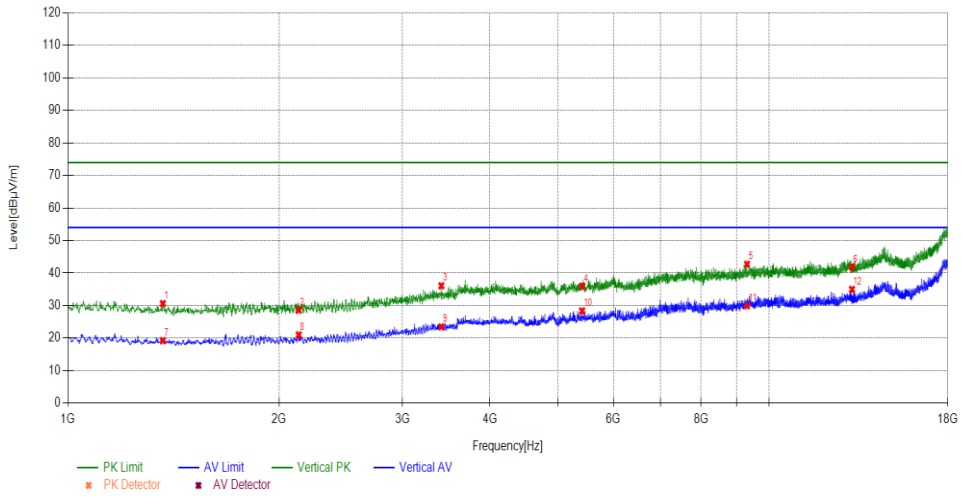
Frequency[MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/Fail
1340.034	-9.67	40.44	30.77	74.00	43.23	PK	150	230	PASS
2227.5228	-7.29	36.38	29.09	74.00	44.91	PK	150	10	PASS
3791.6792	-2.56	39.82	37.26	74.00	36.74	PK	150	310	PASS
5995.0995	2.70	34.98	37.68	74.00	36.32	PK	150	170	PASS
9058.8059	6.68	35.88	42.56	74.00	31.44	PK	150	150	PASS
12154.8155	7.55	33.66	41.21	74.00	32.79	PK	150	200	PASS
1340.034	-9.67	29.52	19.85	54.00	34.15	AV	150	70	PASS
2227.5228	-7.29	28.89	21.60	54.00	32.40	AV	150	10	PASS
3791.6792	-2.56	27.30	24.74	54.00	29.26	AV	150	170	PASS
5995.0995	2.70	26.58	29.28	54.00	24.72	AV	150	10	PASS
9058.8059	6.68	23.13	29.81	54.00	24.19	AV	150	360	PASS
12154.8155	7.55	25.48	33.03	54.00	20.97	AV	150	10	PASS



Radiates Emission	1G~18G
Test channel	Worst-Case
polarization	Vertical

Suspected List

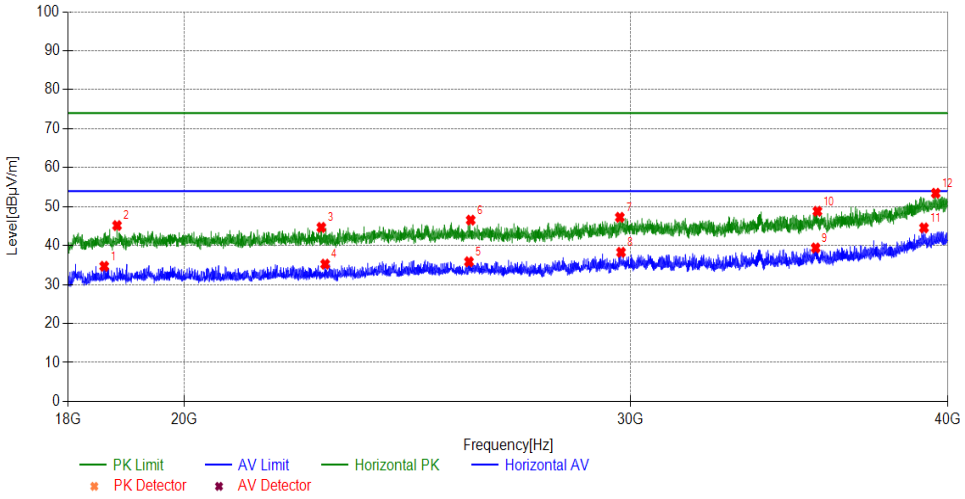
Frequency[MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/Fail
1365.5366	-9.63	40.26	30.63	74.00	43.37	PK	150	120	PASS
2134.0134	-7.53	36.15	28.62	74.00	45.38	PK	150	200	PASS
3409.1409	-3.18	39.28	36.10	74.00	37.90	PK	150	360	PASS
5413.6414	0.59	35.38	35.97	74.00	38.03	PK	150	130	PASS
9305.3305	7.63	35.08	42.71	74.00	31.29	PK	150	310	PASS
13135.8136	9.73	32.14	41.87	74.00	32.13	PK	150	60	PASS
1365.5366	-9.63	28.86	19.23	54.00	34.77	AV	150	20	PASS
2134.0134	-7.53	28.55	21.02	54.00	32.98	AV	150	10	PASS
3409.1409	-3.18	26.66	23.48	54.00	30.52	AV	150	20	PASS
5413.6414	0.59	27.78	28.37	54.00	25.63	AV	150	10	PASS
9305.3305	7.63	22.34	29.97	54.00	24.03	AV	150	30	PASS
13135.8136	9.73	25.25	34.98	54.00	19.02	AV	150	10	PASS



Radiates Emission	18G~40G
Test channel	Worst-Case
polarization	Horizontal

Suspected List

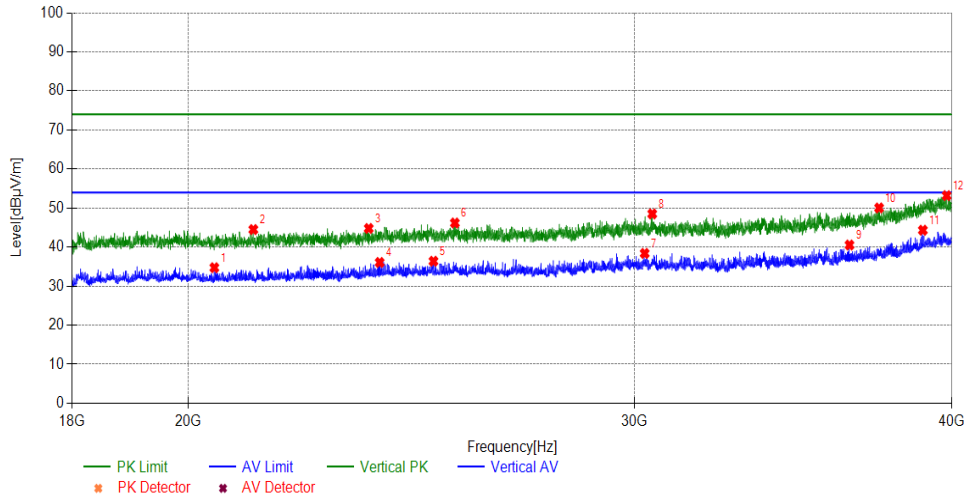
Frequency[MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/Fail
39564.3564	10.78	42.65	53.43	74.00	20.57	PK	150	70	PASS
35535.7536	7.23	41.57	48.80	74.00	25.20	PK	150	10	PASS
25940.5941	4.48	42.05	46.53	74.00	27.47	PK	150	20	PASS
18818.4818	1.30	43.84	45.14	74.00	28.86	PK	150	90	PASS
22651.2651	2.55	42.11	44.66	74.00	29.34	PK	150	50	PASS
29700.7701	6.49	40.76	47.25	74.00	26.75	PK	150	70	PASS
22730.4730	2.63	32.60	35.23	54.00	18.77	AV	150	10	PASS
25900.9901	4.46	31.38	35.84	54.00	18.16	AV	150	10	PASS
39144.1144	10.76	33.78	44.54	54.00	9.46	AV	150	10	PASS
29733.7734	6.51	31.76	38.27	54.00	15.73	AV	150	10	PASS
35478.5479	7.18	32.21	39.39	54.00	14.61	AV	150	10	PASS
18600.6601	1.25	33.44	34.69	54.00	19.31	AV	150	10	PASS
34008.8009	10.78	42.65	53.43	74.00	20.57	PK	150	70	PASS
18167.2167	7.23	41.57	48.80	74.00	25.20	PK	150	10	PASS



Radiates Emission	18G~40G
Test channel	Worst-Case
polarization	Vertical

Suspected List

Frequency[MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Height [cm]	Angle deg	Pass/Fail
39815.1815	10.79	42.39	53.18	74.00	20.82	PK	150	60	PASS
37445.5446	8.24	41.79	50.03	74.00	23.97	PK	150	130	PASS
25478.5479	4.29	41.88	46.17	74.00	27.83	PK	150	40	PASS
30477.4477	6.49	42.01	48.50	74.00	25.50	PK	150	30	PASS
23562.1562	3.35	41.43	44.78	74.00	29.22	PK	150	40	PASS
21218.9219	1.70	42.79	44.49	74.00	29.51	PK	150	70	PASS
23797.5798	3.54	32.52	36.06	54.00	17.94	AV	150	10	PASS
24987.8988	4.10	32.28	36.38	54.00	17.62	AV	150	10	PASS
38961.4962	10.67	33.65	44.32	54.00	9.68	AV	150	10	PASS
30268.4268	6.58	31.80	38.38	54.00	15.62	AV	150	10	PASS
36453.2453	7.48	33.05	40.53	54.00	13.47	AV	150	10	PASS
20481.8482	1.47	33.25	34.72	54.00	19.28	AV	150	10	PASS



6. Appendix E

Test Equipment	Type/Mode	SERIAL NO.	Equipment No.	Manufacturer	Cal. Due
Spectrum Analyzer	FSV40	101580	DZ-000238-3	R&S	2023/06/05
Comprehensive Test Instrument	CMW270	100304	DZ-000240-1	R&S	2022/12/09
Analog Signal Generator	SMB100A	181858	DZ-000238-2	R&S	2023/06/05
Vector Signal Generator	SGT100A	111661	DZ-000238-1	R&S	2023/06/05
RF Radio Frequency Switch	JS0806-2	19H9080187	DZ-000241	Tonscend	2023/06/06
Programmable DC Power Supply	E3644A	MY58036222	DZ-000178	KEYSIGHT	2023/04/21
3m Semi-Anechoic Chamber	FACT-4	ST08035	WKNA-0024	ETS	2024/12/12
Spectrum Analyzer	N9010B	MY57470323	DZ-000174	KEYSIGHT	2023/03/02
EMI Test Receiver	N9038A-508	MY532290079	EM-000397	Agilent	2023/03/02
Broadband Antenna	VULB 9163	9163-530	EM-000342	SCHWARZBECK	2023/06/25
Waveguide Horn Antenna	HF906	360306/008	WKNA-0024-8	R&S	2023/03/04
Waveguide Horn Antenna	BBHA9170	00949	EM-000383	SCHWARZBECK	2023/08/26
Bandstop Filters	SW-BSF-2400-100-7-A1	/	EM-000495	/	2023/08/30
5G Bandstop Filters	WRCJV12-4900-5100-5900-6100-50EE	1	DZ-000186	WI	2022/12/20
Preamplifier	BBV 9721	9721-050	DZ-000209-1	SCHWARZBECK	2023/06/05

The End