FCC RF Test Report

APPLICANT	:	Zhejiang Lingzhu Technology Co., Ltd.
EQUIPMENT	:	Smart Control Panel L
MODEL NAME	:	TPP05-Z(US)
FCC ID	:	2BEWX-TPP05
STANDARD	:	FCC Part 15 Subpart E §15.407
CLASSIFICATION	:	(NII) Unlicensed National Information Infrastructure
TEST DATE(S)	:	Jul. 27, 2023 ~ Aug. 25, 2023

We, Sporton International Inc. (Kunshan), would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. (Kunshan), the test report shall not be reproduced except in full.

Jason Jia

Approved by: Jason Jia

ACCREDITED Cert #5145.02

Sporton International Inc. (Kunshan)
No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300
People's Republic of China

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR372501-02D	Rev. 01	Initial issue of report	Jul. 23, 2024

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	15.403(i)	6dB, 26dB and 99% Occupied Bandwidth	> 500kHz	Pass	-
3.2	15.407(a)	Maximum Conducted Output Power	≤ 30 dBm	Pass	-
3.3	15.407(a)	Power Spectral Density	≤ 30 dBm/500kHz	Pass	-
3.4	15.407(b)	Unwanted Emissions	15.407(b)(4)(i) &15.209(a)	Pass	Under limit 2.18 dB at 11570.00 MHz
3.5	15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 9.05 dB at 0.476 MHz
3.6	15.203 & 15.407(a)	Antenna Requirement	15.203 & 15.407(a)	Pass	-

Note: This is a change FCC ID report. Since no changes have been made to this device, therefore, all test cases were leveraged from original report (FCC ID: 2A789-TPP05, report number FR372501D)

Conformity Assessment Condition:
1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account. 2. The measurement uncertainty please refer to each test result in the section “Measurement Uncertainty”
Disclaimer:
The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

1 General Description

1.1 Applicant

Zhejiang Lingzhu Technology Co., Ltd.
Room 302,No 1 Building Huace Center,Xihu District, Hangzhou City, Zhejiang Province,China

1.2 Manufacturer

Zhejiang Lingzhu Technology Co., Ltd.
Room 302,No 1 Building Huace Center,Xihu District, Hangzhou City, Zhejiang Province,China

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Smart Control Panel L
Model Name	TPP05-Z(US)
FCC ID	2BEWX-TPP05
SN Code	Conducted/Radiation: NSZEE18MK00008 Conduction: NSZEE18MK0005A

Remark: The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx/Rx Channel Frequency Range	5745 MHz ~ 5825 MHz
Maximum Output Power	**<5745 MHz ~ 5825 MHz>** 802.11a : 19.80 dBm / 0.0955 W 802.11n HT20 : 20.64 dBm / 0.1159 W 802.11n HT40 : 22.31 dBm / 0.1702 W
99% Occupied Bandwidth	802.11a : 23.58 MHz 802.11n HT20 : 26.22 MHz 802.11n HT40 : 48.85 MHz
Type of Modulation	802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM)
Antenna Type / Gain	IPEX with gain 1.75 dBi

1.5 Modification of EUT

No modifications are made to the EUT during all test items.

1.6 Testing Location

Sporton International Inc. (Kunshan) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

Test Firm	Sporton International Inc. (Kunshan)		
Test Site Location	No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158		
Test Site No.	**Sporton Site No.**	**FCC Designation No.**	**FCC Test Firm Registration No.**
	CO01-KS 03CH03-KS TH01-KS	CN1257	314309

1.7 Test Software

Item	Site	Manufacturer	Name	Version
1.	TH01-KS	SPORTON	FCC 15C-15E Test Tools Ver10.0_210607	10.0
2.	03CH03-KS	AUDIX	E3	210616
3.	CO01-KS	AUDIX	E3	6.2009-8-24

1.8 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- 47 CFR Part 15 Subpart E
- FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- ANSI C63.10-2013

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (Z plane) were recorded in this report.

b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5745-5825 MHz U-NII-3	149	5745	157	5785
	151*	5755	159*	5795
	153	5765	161	5805
	-	-	165	5825

Note: The above Frequency and Channel in "*" were 802.11n HT40.

2.2 Test Mode

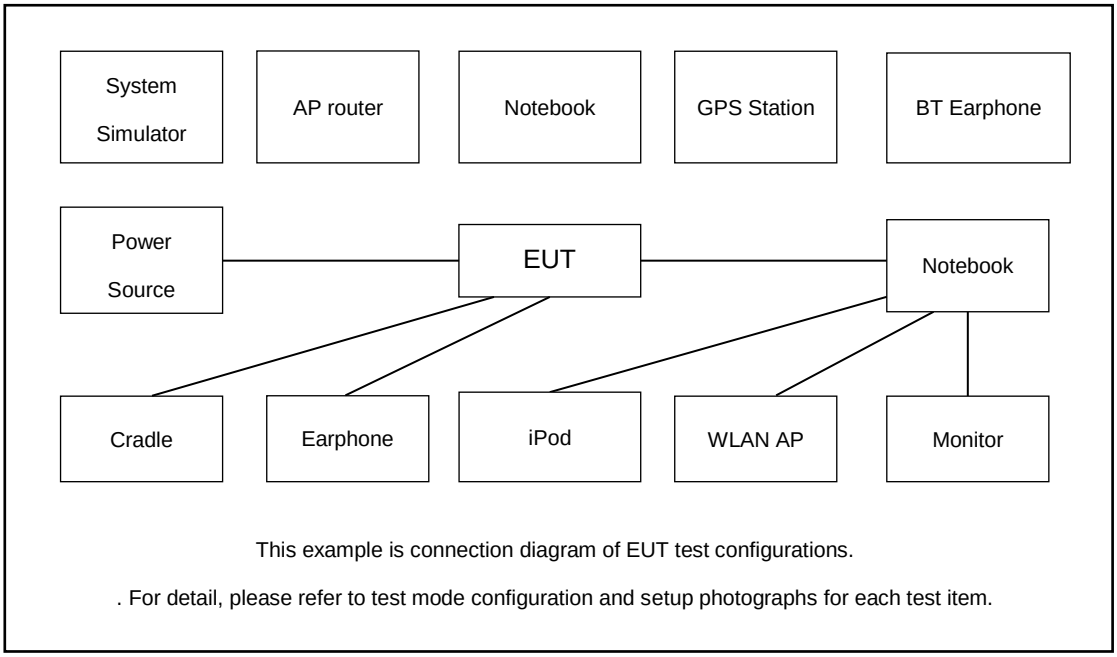
Final test modes are considering the modulation and worse data rates as below table.

Modulation	Data Rate
802.11a	**6 Mbps**
802.11n HT20	**MCS0**
802.11n HT40	**MCS0**

AC Conducted Emission	Mode 1 : Zigbee Link + WLAN 5G Link + L1/L2 light link + RS485 Link + AC Power

Ch. #		U-NII-3 : 5745-5825 MHz		
		802.11a	**802.11n HT20**	**802.11n HT40**
L	**Low**	149	149	151
M	**Middle**	157	157	-
H	**High**	165	165	159

2.3 Connection Diagram of Test System



This example is connection diagram of EUT test configurations.

. For detail, please refer to test mode configuration and setup photographs for each test item.

2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Bluetooth Earphone	Lenovo	thinkplus-BH3	N/A	N/A	N/A
2.	WLAN AP	D-link	DIR-655	KA21R655B1	N/A	Unshielded,1.8m
3.	Light	NA	NA	NA	NA	NA
4.	Notebook	Lenovo	G480	QDS-BRCM1050I	N/A	AC I/P: Unshielded, 1.8 m DC O/P: Shielded, 1.8 m

2.5 EUT Operation Test Setup

For WLAN RF test items, an engineering test program was provided and enabled to make EUT continuous transmit.

For AC power line conducted emissions, the EUT was set to connect with the WLAN AP under large package sizes transmission.

2.6 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

Example :

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 7.0 dB and 10dB attenuator.

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).

= 7.0 + 10 = 17.0 (dB)

3 Test Result

3.1 6dB and 26dB and 99% Occupied Bandwidth Measurement

3.1.1 Description of 6dB and 26dB and 99% Occupied Bandwidth

The minimum 6 dB bandwidth shall be at least 500 kHz.

26dB and 99% Occupied bandwidth are reporting only.

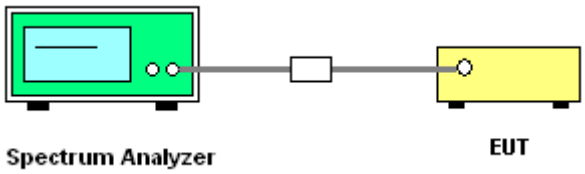
3.1.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.1.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth for the band 5.725-5.85GHz
2. For 6dB BW, Set RBW = 100kHz.
   For 26dB BW, Set RBW = approximately 1% of the emission bandwidth.
   For 99% OBW, Set RBW = 1% to 5% of the OBW.
3. For 26dB BW, Set the VBW > RBW.
   For 6dB BW & 99% OBW, Set the VBW ≥ 3 x RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 6 dB down from the peak of the emission.
7. Measure and record the results in the test report.

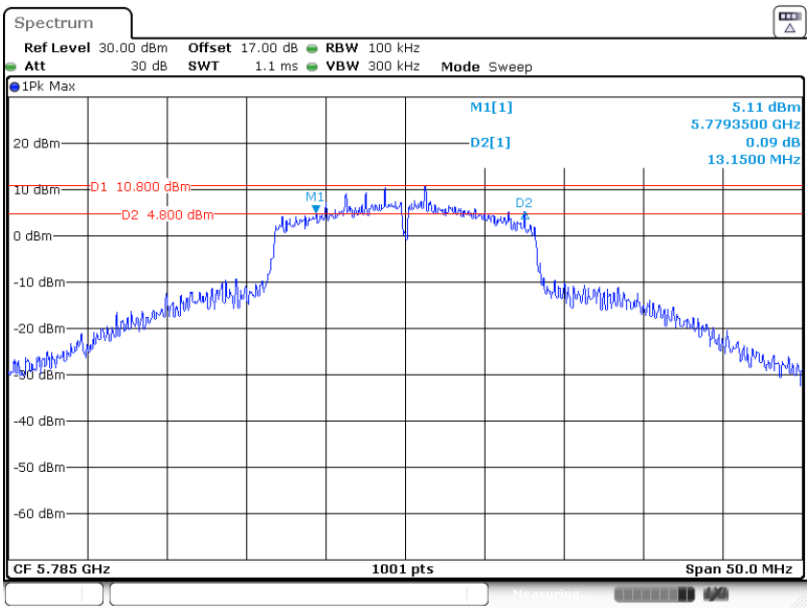
3.1.4 Test Setup



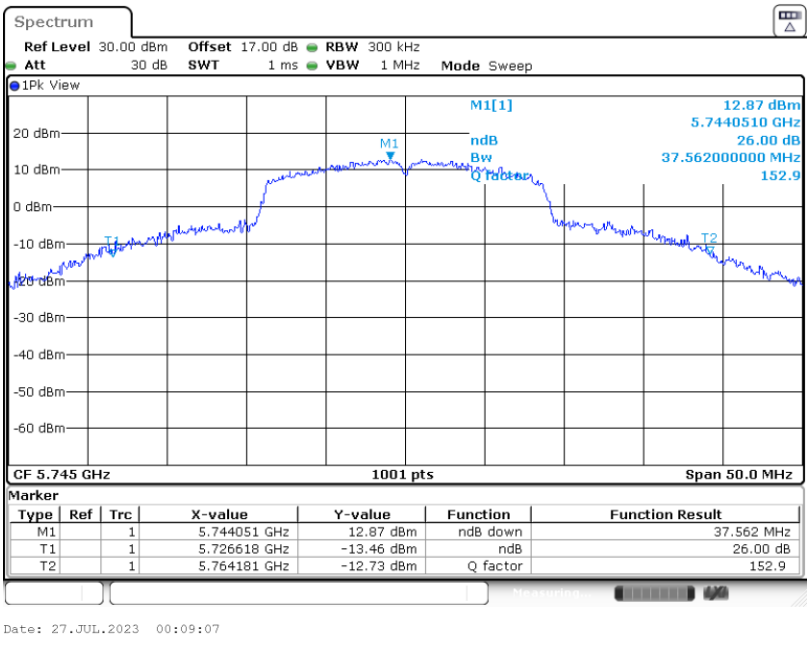
3.1.5 Test Result of 6dB Bandwidth

Please refer to Appendix A.

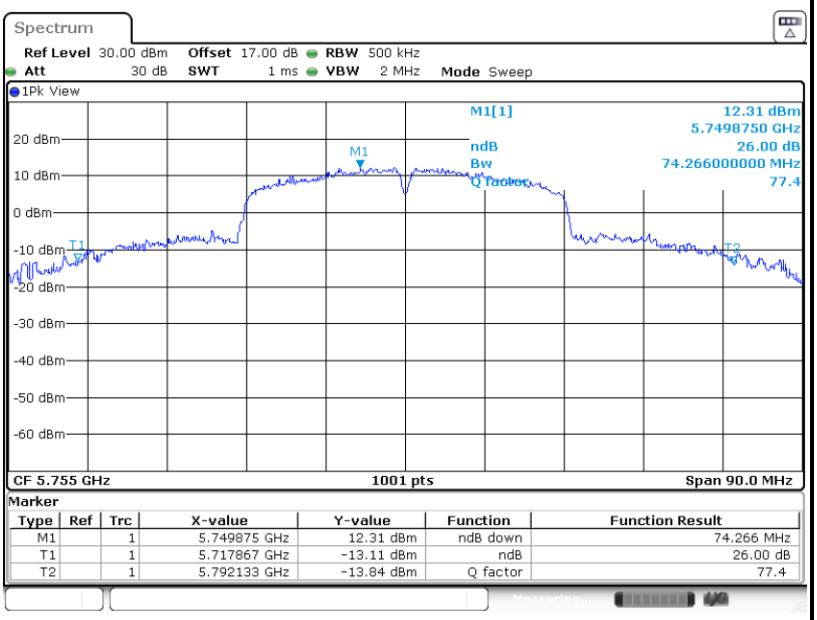
Minimum 6dB Bandwidth



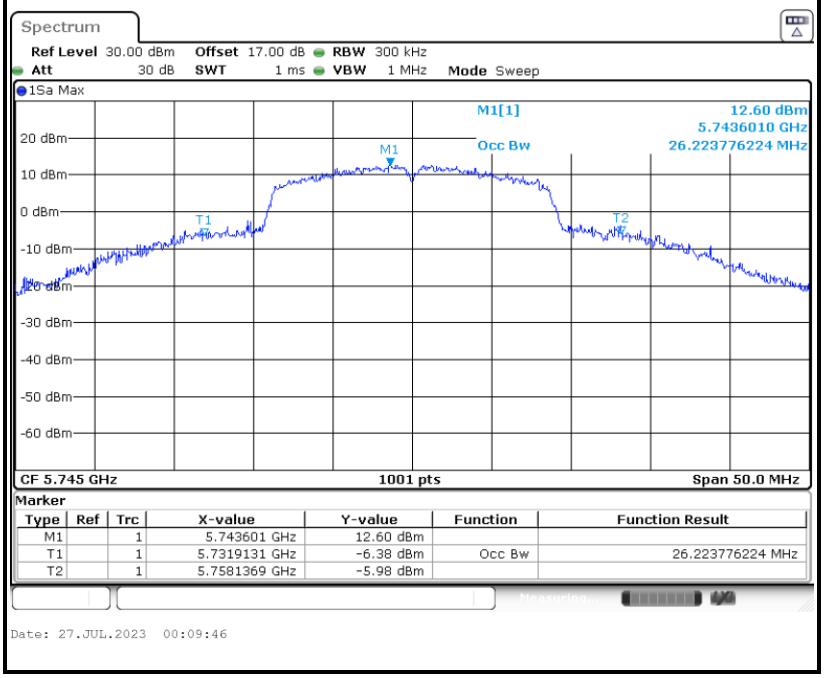
Maximum 26dB Bandwidth for 20M BW



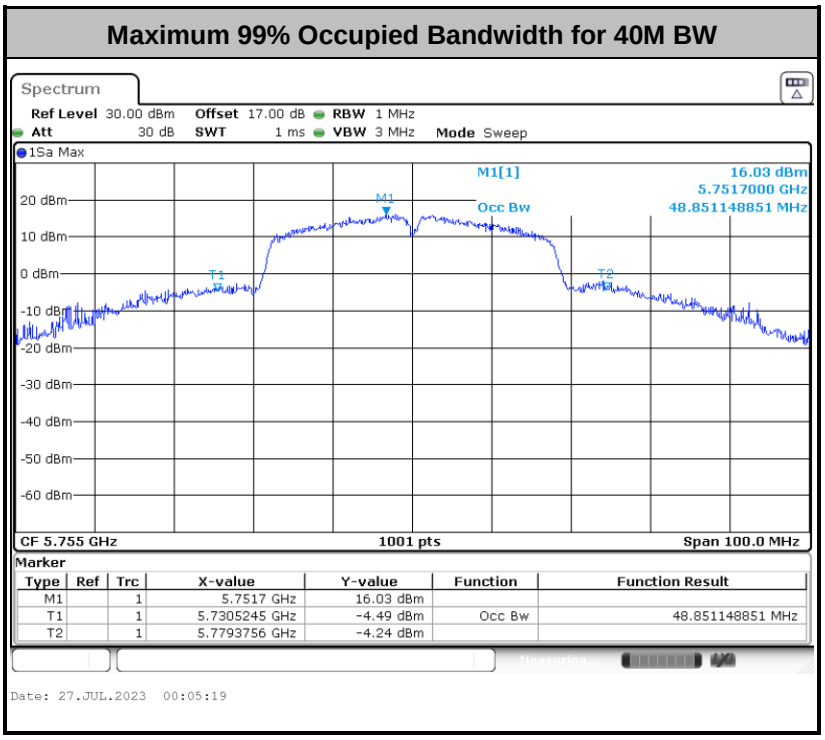
Maximum 26dB Bandwidth for 40M BW



Maximum 99% Occupied Bandwidth for 20M BW



Maximum 99% Occupied Bandwidth for 40M BW



Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

For the band 5.725–5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.2.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

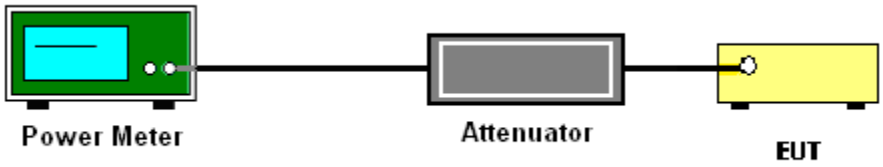
3.2.3 Test Procedures

The testing follows Method PM of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Method PM (Measurement using an RF average power meter):

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit continuously with a consistent duty cycle at its maximum power control level.
3. Measure the average power of the transmitter, and the average power is corrected with duty factor, 10 log(1/x), where x is the duty cycle.

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

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, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.3.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.3.3 Test Procedures

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Section F) Maximum power spectral density.

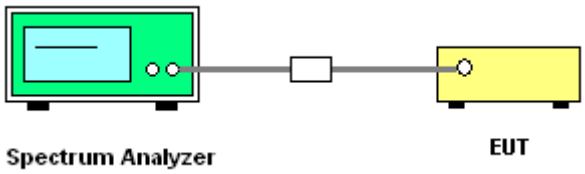
 # Method SA-2 #

(trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 500KHz (or 300 kHz if the SA can’t set RBW=500KHz).
- Set VBW ≥ 1 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- If the SA can’t set RBW=500KHz, then add 10 log(500kHz/RBW) to the test result
- Add 10 log(1/x), where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add 10 log(1/0.25) = 6 dB if the duty cycle is 25 percent.

1. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.

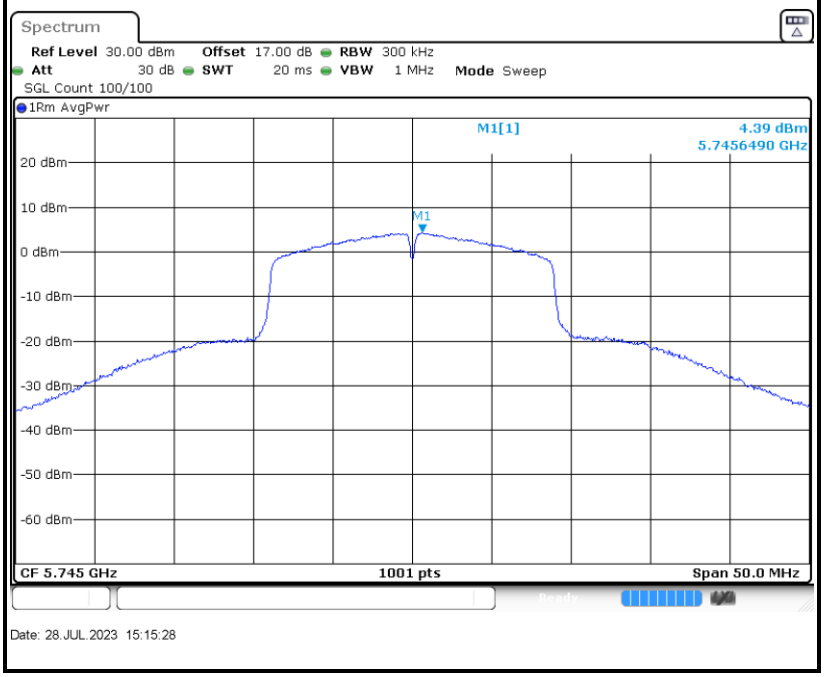
3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

Worst Case Power Density (dBm/MHz)



Note: Average Power Density (dB) = Measured value+ Duty Factor + RBW Factor

3.4 Unwanted Emissions Measurement

This section is to measure unwanted emissions through radiated measurement for band edge spurious emissions and out of band emissions measurement.

3.4.1 Limit of Unwanted Emissions

(1) For transmitters operating in the 5.725-5.85 GHz band:

15.407(b)(4)(i) 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) Unwanted spurious emissions fallen in restricted bands shall comply with the general field strength limits as below table,

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

EIRP (dBm)	Field Strength at 3m (dBµV/m)
- 27	68.2

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

$$EIRP = E_{Meas} + 20\log(d_{Meas}) - 104.7$$

where

EIRP is the equivalent isotropically radiated power, in dBm

E_{Meas} is the field strength of the emission at the measurement distance, in dBµV/m

d_{Meas} is the measurement distance, in m

(3) ANSI C63.10-2013 clause 12.7.3 note 97

As specified by regulatory requirements, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit. However, an out-of-band emission that complies with both the average and peak general regulatory limits is not required to satisfy the peak emission limit.

3.4.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.4.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section G) Unwanted emissions measurement.

   (1) Procedure for Unwanted Emissions Measurements Below 1000MHz

   - RBW = 120 kHz
   - VBW = 300 kHz
   - Detector = Peak
   - Trace mode = max hold

   (2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz

   - RBW = 1 MHz
   - VBW ≥ 3 MHz
   - Detector = Peak
   - Sweep time = auto
   - Trace mode = max hold

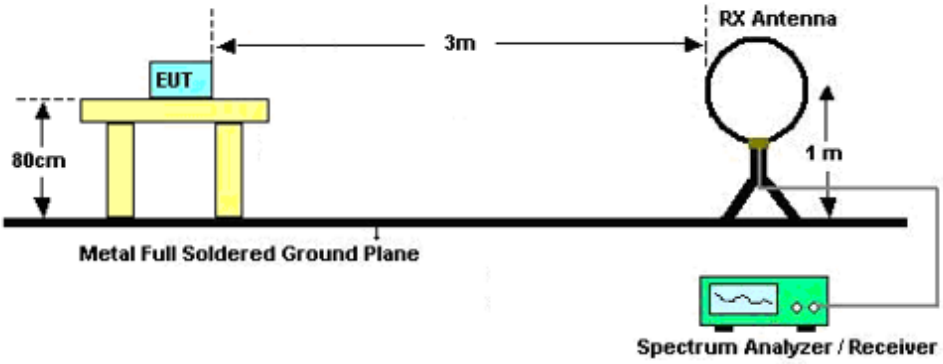
   (3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

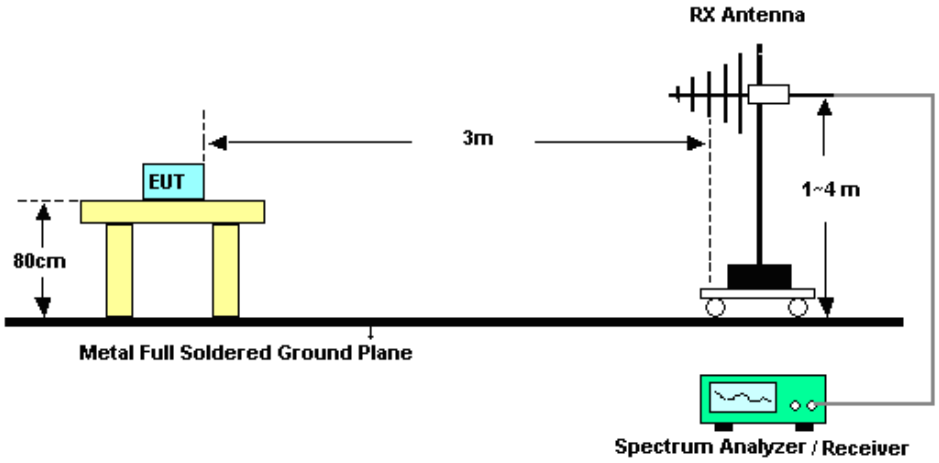
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than peak limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

3.4.4 Test Setup

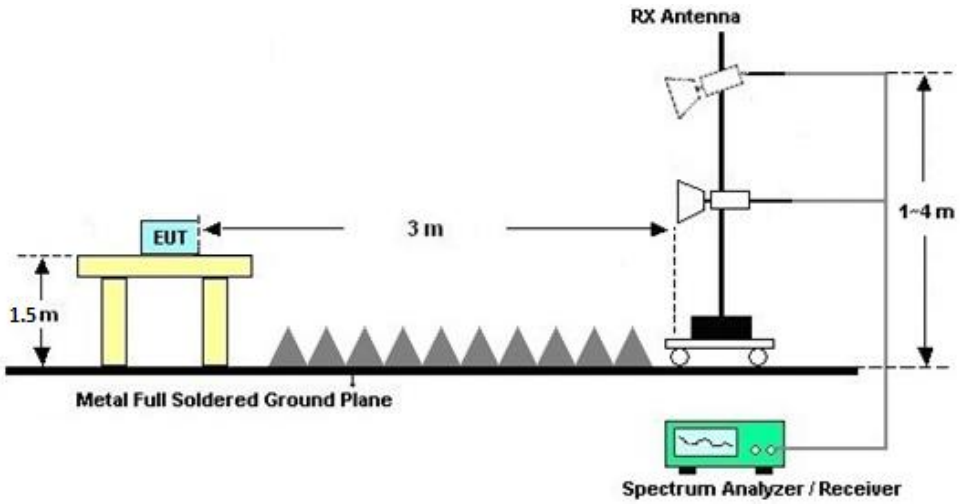
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



3.4.5 Test Results of Radiated Emissions (9 kHz ~ 30 MHz)

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

3.4.6 Test Result of Radiated Band Edges

Please refer to Appendix C.

3.4.7 Duty Cycle

Please refer to Appendix D.

3.4.8 Test Result of Unwanted Radiated Emission (30MHz ~ 10th Harmonic or 40GHz, whichever is lower)

Please refer to Appendix C.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency of emission (MHz)	Conducted limit (dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

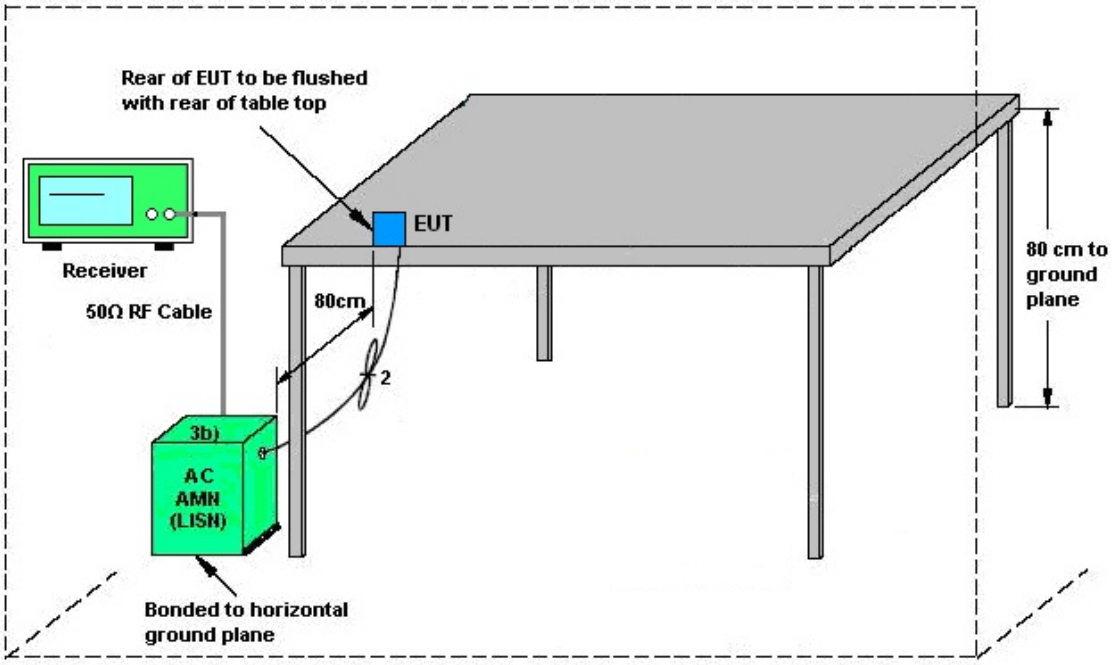
3.5.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.5.3 Test Procedures

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

3.5.4 Test Setup



AMN = Artificial mains network (LISN)
AE = Associated equipment
EUT = Equipment under test
ISN = Impedance stabilization network

3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Antenna Requirements

3.6.1 Standard Applicable

If transmitting antenna directional gain is greater than 6 dBi, both the peak transmit power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.6.3 Antenna Gain

The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.

4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101040	10Hz~40GHz	Oct. 12, 2022	Jul. 27, 2023~ Jul. 28, 2023	Oct. 11, 2023	Conducted (TH01-KS)
Pulse Power Senor	Anritsu	MA2411B	0917070	300MHz~40GHz	Jan. 05, 2023	Jul. 27, 2023~ Jul. 28, 2023	Jan. 04, 2024	Conducted (TH01-KS)
Power Meter	Anritsu	ML2495A	1005002	50MHz Bandwidth	Jan. 05, 2023	Jul. 27, 2023~ Jul. 28, 2023	Jan. 04, 2024	Conducted (TH01-KS)
EMI Test Receiver	Keysight	N9038A	MY56400004	3Hz~8.5GHz;Max 30dBm	Oct. 13, 2022	Aug. 25, 2023	Oct. 12, 2023	Radiation (03CH03-KS)
EXA Spectrum Analyzer	Keysight	N9010A	MY55150244	10Hz-44GHz	May 15, 2023	Aug. 25, 2023	May 14, 2024	Radiation (03CH03-KS)
Loop Antenna	R&S	HFH2-Z2	100321	9kHz~30MHz	Oct. 16, 2022	Aug. 25, 2023	Oct. 15, 2023	Radiation (03CH03-KS)
Bilog Antenna	TeseQ	CBL6112D	23182	30MHz-1GHz	Dec. 23, 2022	Aug. 25, 2023	Dec. 22, 2023	Radiation (03CH03-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	75957	1GHz~18GHz	Nov. 15, 2022	Aug. 25, 2023	Nov. 14, 2023	Radiation (03CH03-KS)
SHF-EHF Horn	com-power	AH-840	101116	18GHz~40GHz	Oct. 17, 2022	Aug. 25, 2023	Oct. 16, 2023	Radiation (03CH03-KS)
Amplifier	SONOMA	310N	413740	30MHz ~1000MHz	Jan. 05, 2023	Aug. 25, 2023	Jan. 04, 2024	Radiation (03CH03-KS)
Amplifier	EM	EM18G40GA	060851	18~40GHz	Jan. 05, 2023	Aug. 25, 2023	Jan. 04, 2024	Radiation (03CH03-KS)
high gain Amplifier	MITEQ	AMF-7D-0010 1800-30-10P	2082394	1Ghz-18Ghz	Jan. 05, 2023	Aug. 25, 2023	Jan. 04, 2024	Radiation (03CH03-KS)
Amplifier	Keysight	83017A	MY53270319	1GHz~26.5GHz	Oct. 12, 2022	Aug. 25, 2023	Oct. 11, 2023	Radiation (03CH03-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Aug. 25, 2023	NCR	Radiation (03CH03-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Aug. 25, 2023	NCR	Radiation (03CH03-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Aug. 25, 2023	NCR	Radiation (03CH03-KS)
EMI Receiver	R&S	ESCI7	100768	9kHz~7GHz;	May 16, 2023	Aug. 11, 2023	May 15, 2024	Conduction (CO01-KS)
AC LISN (for auxiliary equipment)	MessTec	AN3016	060103	9kHz~30MHz	Oct. 13, 2022	Aug. 11, 2023	Oct. 12, 2023	Conduction (CO01-KS)
AC LISN	MessTec	AN3016	060105	9kHz~30MHz	May 16, 2023	Aug. 11, 2023	May 15, 2024	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP000000811	AC 0V~300V, 45Hz~1000Hz	Oct. 12, 2022	Aug. 11, 2023	Oct. 11, 2023	Conduction (CO01-KS)

NCR: No Calibration Required

5 Measurement Uncertainty

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.10-2013. All the measurement uncertainty value were shown with a coverage K=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

Uncertainty of Conducted Measurement

Test Item	Uncertainty
Conducted Power	±0.46 dB
Conducted Emissions	±2.26 dB
Occupied Channel Bandwidth	±0.1 %
Conducted Power Spectral Density	±0.88 dB

Uncertainty of Conducted Emission Measurement (150kHz ~ 30MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.78dB

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.0dB

Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.0dB

Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.0dB

---------- THE END ----------

Appendix A. Conducted Test Results

Report Number : FR372501-02D

Test Engineer:	akun	Temperature:	21~25	°C
Test Date:	2023/7/27~2023/7/28	Relative Humidity:	51~54	%

Report Number : FR372501-02D

TEST RESULTS DATA
6dB and 26dB EBW and 99% OBW

U-NII-3 single antenna									
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	6 dB Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
					Ant 1	Ant 1	Ant 1		
11a	6Mbps	1	149	5745	16.58	20.33	14.95	0.5	Pass
11a	6Mbps	1	157	5785	23.58	35.32	13.15	0.5	Pass
11a	6Mbps	1	165	5825	16.43	19.78	13.85	0.5	Pass
HT20	MCS0	1	149	5745	26.22	37.56	15.00	0.5	Pass
HT20	MCS0	1	157	5785	22.88	35.27	13.80	0.5	Pass
HT20	MCS0	1	165	5825	17.53	20.63	13.85	0.5	Pass
HT40	MCS0	1	151	5755	48.85	74.27	31.32	0.5	Pass
HT40	MCS0	1	159	5795	46.95	71.66	31.32	0.5	Pass

TEST RESULTS DATA
Average Power Table

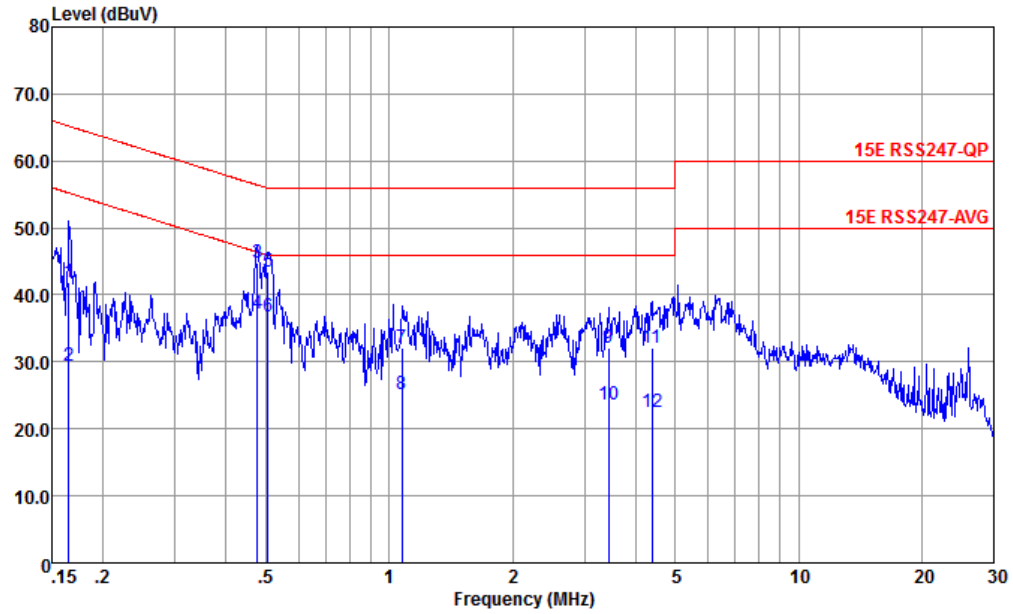
U-NII-3 single antenna										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power with duty factor (dBm)		FCC Conducted Power Limit	DG (dBi)	Pass/Fail
					Ant 1	Ant 1	SUM	Ant 1	Ant 1	
11a	6Mbps	1	149	5745	0.27	17.31		30.00	1.75	Pass
11a	6Mbps	1	157	5785	0.27	19.80		30.00	1.75	Pass
11a	6Mbps	1	165	5825	0.27	16.96		30.00	1.75	Pass
HT20	MCS0	1	149	5745	0.41	20.64		30.00	1.75	Pass
HT20	MCS0	1	157	5785	0.41	20.33		30.00	1.75	Pass
HT20	MCS0	1	165	5825	0.41	17.47		30.00	1.75	Pass
HT40	MCS0	1	151	5755	0.79	22.31		30.00	1.75	Pass
HT40	MCS0	1	159	5795	0.79	21.83		30.00	1.75	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-3 single antenna											
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	10log (500kHz /RBW) Factor	Average Power Density with Duty Factor (dBm/500kHz)		Average PSD Limit (dBm/500kHz)	DG (dBi)	Pass /Fail
					Ant 1	Ant 1	Ant 1	SUM	Ant 1	Ant 1	
11a	6Mbps	1	149	5745	0.27	2.22	3.99		30.00	1.75	Pass
11a	6Mbps	1	157	5785	0.27	2.22	6.22		30.00	1.75	Pass
11a	6Mbps	1	165	5825	0.27	2.22	3.66		30.00	1.75	Pass
HT20	MCS0	1	149	5745	0.41	2.22	7.02		30.00	1.75	Pass
HT20	MCS0	1	157	5785	0.41	2.22	6.67		30.00	1.75	Pass
HT20	MCS0	1	165	5825	0.41	2.22	4.53		30.00	1.75	Pass
HT40	MCS0	1	151	5755	0.79	2.22	5.66		30.00	1.75	Pass
HT40	MCS0	1	159	5795	0.79	2.22	5.59		30.00	1.75	Pass

Appendix B. AC Conducted Emission Test Results

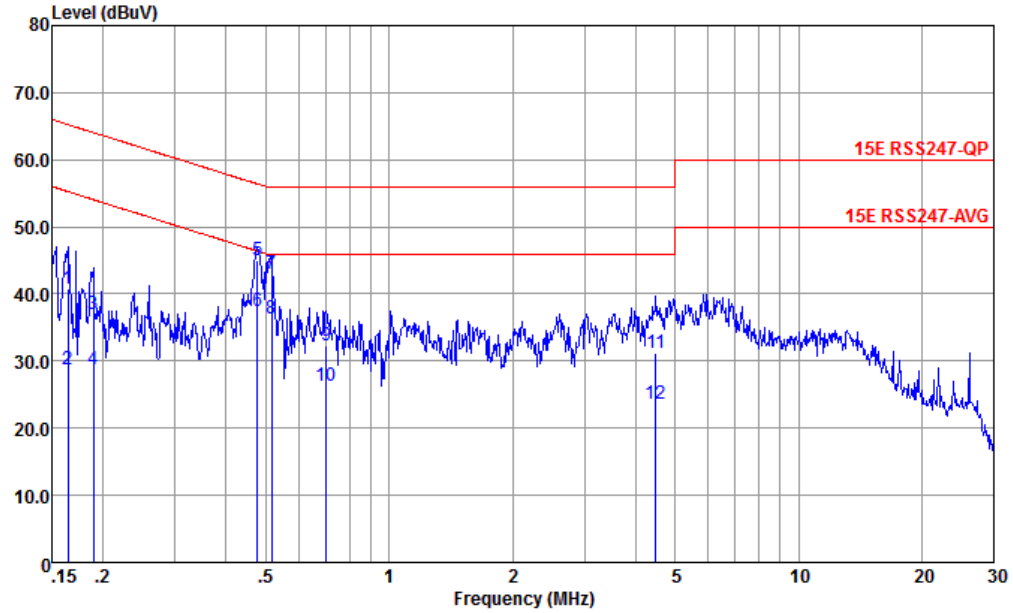
Test Engineer :	Amos Zhang	**Temperature :**	25.3~26.2℃
		Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-KS
Condition : 15E RSS247-QP LISN-060105-L 2023 LINE

		Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1		0.165	41.97	-23.24	65.21	31.50	0.04	10.43	QP
2		0.165	29.37	-25.84	55.21	18.90	0.04	10.43	Average
3		0.476	44.81	-11.60	56.41	34.60	-0.02	10.23	QP
4		0.476	37.11	-9.30	46.41	26.90	-0.02	10.23	Average
5		0.505	43.48	-12.52	56.00	33.30	-0.03	10.21	QP
6	*	0.505	36.78	-9.22	46.00	26.60	-0.03	10.21	Average
7		1.077	32.20	-23.80	56.00	22.20	-0.10	10.10	QP
8		1.077	25.10	-20.90	46.00	15.10	-0.10	10.10	Average
9		3.436	32.16	-23.84	56.00	22.20	-0.10	10.06	QP
10		3.436	23.56	-22.44	46.00	13.60	-0.10	10.06	Average
11		4.384	32.13	-23.87	56.00	22.19	-0.12	10.06	QP
12		4.384	22.53	-23.47	46.00	12.59	-0.12	10.06	Average

Test Engineer :	Amos Zhang	Temperature :	25.3~26.2℃
		Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-KS
Condition : 15E RSS247-QP LISN-060105-N 2023 NEUTRAL

		Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1		0.164	40.67	-24.58	65.25	30.20	0.04	10.43	QP
2		0.164	28.77	-26.48	55.25	18.30	0.04	10.43	Average
3		0.189	37.07	-26.99	64.06	26.60	0.05	10.42	QP
4		0.189	28.67	-25.39	54.06	18.20	0.05	10.42	Average
5		0.476	44.96	-11.45	56.41	34.80	-0.07	10.23	QP
6	*	0.476	37.36	-9.05	46.41	27.20	-0.07	10.23	Average
7		0.516	43.04	-12.96	56.00	32.90	-0.07	10.21	QP
8		0.516	36.34	-9.66	46.00	26.20	-0.07	10.21	Average
9		0.701	32.39	-23.61	56.00	22.30	-0.07	10.16	QP
10		0.701	26.39	-19.61	46.00	16.30	-0.07	10.16	Average
11		4.478	31.13	-24.87	56.00	21.20	-0.13	10.06	QP
12		4.478	23.53	-22.47	46.00	13.60	-0.13	10.06	Average

Note:

1. Level(dBμV) = Read Level(dBμV) + LISN Factor(dB) + Cable Loss(dB)
2. Over Limit(dB) = Level(dBμV) – Limit Line(dBμV)

Appendix C. Radiated Spurious Emission

Test Engineer :	Chris Chen	Relative Humidity :	41 ~ 42 %
		Temperature :	22 ~ 23 ℃

Radiated Spurious Emission Test Modes

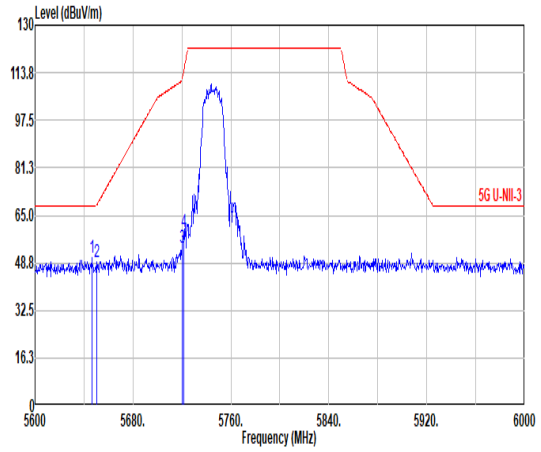
Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	Remark
Mode 1	U-NII-3	5.725-5.85	1	802.11a	149	5745	6Mbps	-
Mode 2	U-NII-3	5.725-5.85	1	802.11a	157	5785	6Mbps	-
Mode 3	U-NII-3	5.725-5.85	1	802.11a	165	5825	6Mbps	
Mode 4	U-NII-3	5.725-5.85	1	802.11n HT20	149	5745	MCS0	-
Mode 5	U-NII-3	5.725-5.85	1	802.11n HT20	157	5785	MCS0	-
Mode 6	U-NII-3	5.725-5.85	1	802.11n HT20	165	5825	MCS0	-
Mode 7	U-NII-3	5.725-5.85	1	802.11n HT40	151	5755	MCS0	-
Mode 8	U-NII-3	5.725-5.85	1	802.11n HT40	159	5795	MCS0	-

Summary of each worse mode

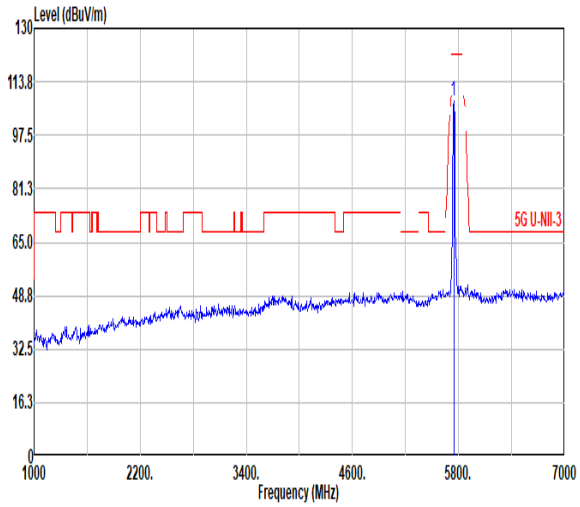
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	Remark
1	802.11a	149	5646.40	50.66	68.20	-17.54	V	PEAK	Pass	Band Edge
	802.11a	149	17235.00	65.55	68.20	-2.65	V	PEAK	Pass	Harmonic
2	802.11a	157	-	-	-	-	-	-	-	Band Edge
	802.11a	157	11570.00	51.82	54.00	-2.18	H	AVERAGE	Pass	Harmonic
	802.11a	157	585.81	43.81	46	-2.19	H	QP	Pass	LF
3	802.11a	165	5979.60	52.03	68.20	-16.17	H	PEAK	Pass	Band Edge
	802.11a	165	17475.00	65.04	68.20	-3.16	V	PEAK	Pass	Harmonic
4	802.11n HT20	149	5636.40	50.07	68.20	-18.23	H	PEAK	Pass	Band Edge
	802.11n HT20	149	17237.33	65.39	68.20	-2.81	V	Peak	Pass	Harmonic
5	802.11n HT20	157	-	-	-	-	-	-	-	Band Edge
	802.11n HT20	157	17365.67	65.17	68.20	-3.03	V	Peak	Pass	Harmonic
6	802.11n HT20	165	5966.80	50.61	68.20	-17.59	H	Peak	Pass	Band Edge
	802.11n HT20	165	17480.07	65.15	68.20	-3.05	H	Peak	Pass	Harmonic
7	802.11n HT40	151	5929.14	50.59	68.20	-17.61	H	PEAK	Pass	Band Edge
	802.11n HT40	151	17261.53	61.61	68.20	-6.59	H	Peak	Pass	Harmonic
8	802.11n HT40	159	5941.20	50.18	68.20	-18.02	V	PEAK	Pass	Band Edge
	802.11n HT40	159	17382.53	60.96	68.20	-7.24	H	PEAK	Pass	Harmonic

Mode	1	
	Band Edge	
	U-NII-3_5.725-5.85_802.11a_CH149_5745MHz	
ANT	1	
Pol.	Horizontal	Fundamental

Peak



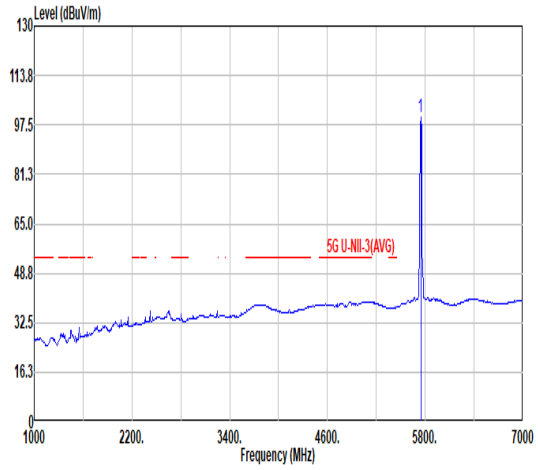
	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5646.40	50.39	68.20	-17.81	40.97	35.25	11.21	37.04	0.00	386	360	PEAK
2	5650.40	49.03	68.60	-19.57	39.60	35.25	11.22	37.04	0.00	386	360	PEAK
3	5720.00	53.84	110.90	-57.06	44.32	35.34	11.32	37.14	0.00	386	360	PEAK
4	5721.20	59.25	113.64	-54.39	49.73	35.34	11.32	37.14	0.00	386	360	PEAK



	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5745.00	107.91	------	------	98.34	35.39	11.36	37.18	0.00	386	360	PEAK

Avg

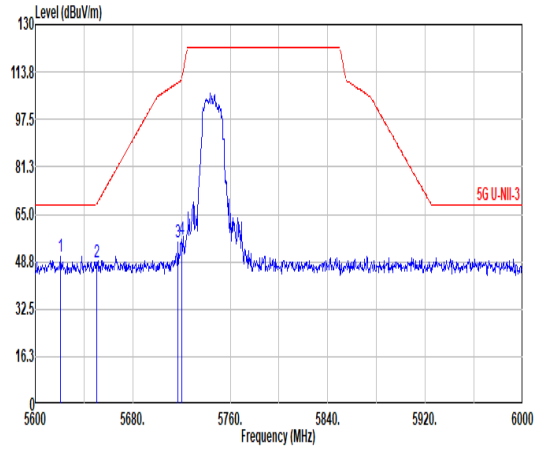
Blank



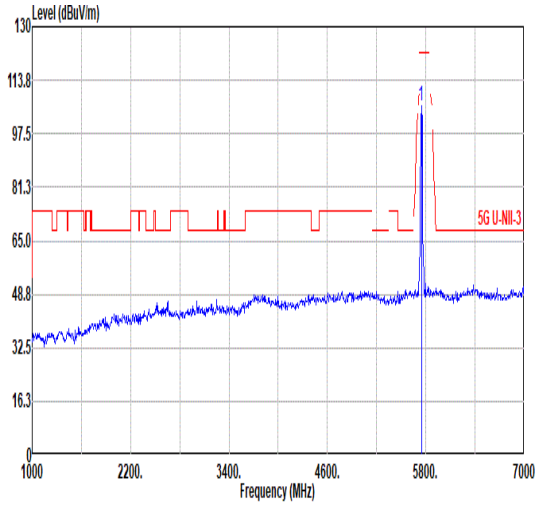
	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5745.00	100.16	------	------	90.59	35.39	11.36	37.18	0.00	386	360	AVERAGE

Mode	1	
	Band Edge	
	U-NII-3_5.725-5.85_802.11a_CH149_5745MHz	
ANT	1	
Pol.	Vertical	Fundamental

Peak



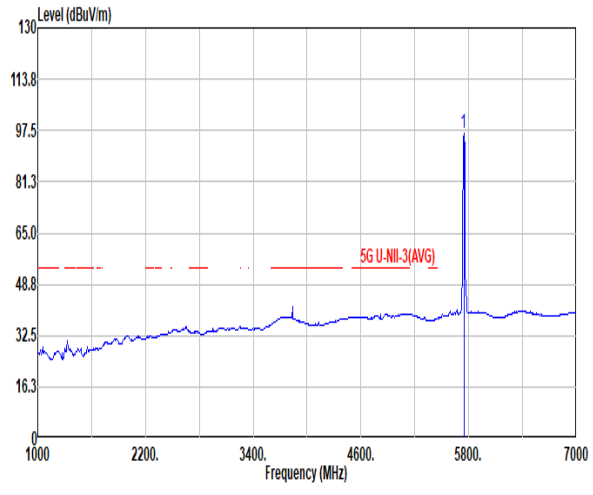
	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5620.40	50.63	68.20	-17.57	41.26	35.22	11.18	37.03	0.00	232	88	PEAK
2	5650.40	48.73	68.60	-19.87	39.30	35.25	11.22	37.04	0.00	232	88	PEAK
3	5717.20	55.48	110.12	-54.64	45.97	35.33	11.32	37.14	0.00	232	88	PEAK
4	5720.40	56.33	111.81	-55.48	46.81	35.34	11.32	37.14	0.00	232	88	PEAK



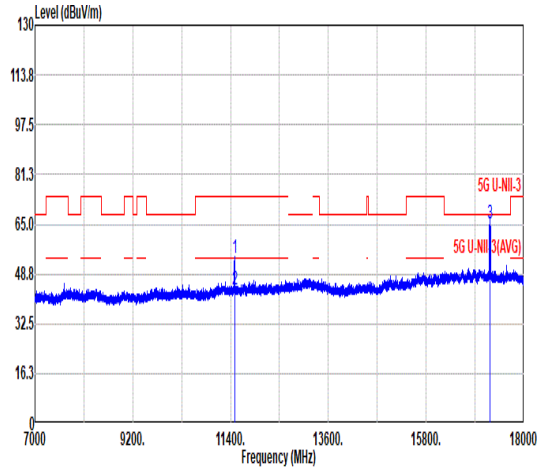
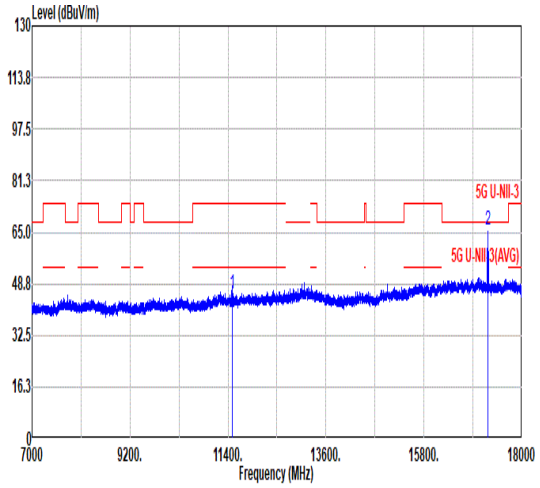
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5745.00	105.73	------	------	96.15	35.40	11.37	37.19	0.00	232	88	PEAK

Avg

Blank



	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5745.00	96.80	------	------	87.23	35.39	11.36	37.18	0.00	232	88	AVERAGE

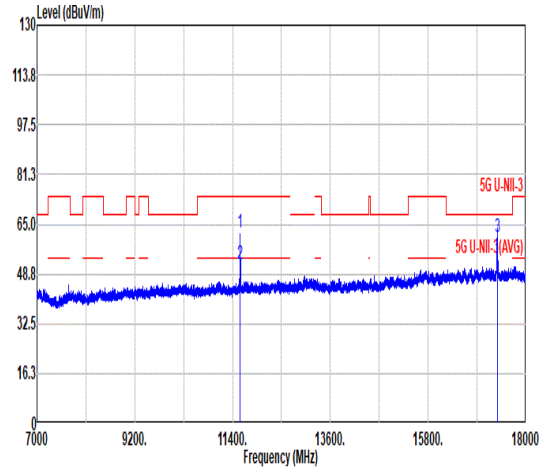
Mode	1	
	Harmonic	
	U-NII-3_5.725-5.85_802.11a_CH149_5745MHz	
ANT	1	
Pol.	Horizontal	Vertical
Peak Avg		

	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	11490.00	53.89	74.00	-20.11	62.39	38.29	16.12	62.91	0.00	202	317	PEAK
2	11490.00	43.56	54.00	-10.44	52.06	38.29	16.12	62.91	0.00	202	317	AVERAGE
3	17235.00	65.07	68.20	-3.13	67.03	42.04	20.18	64.18	0.00	---	---	PEAK

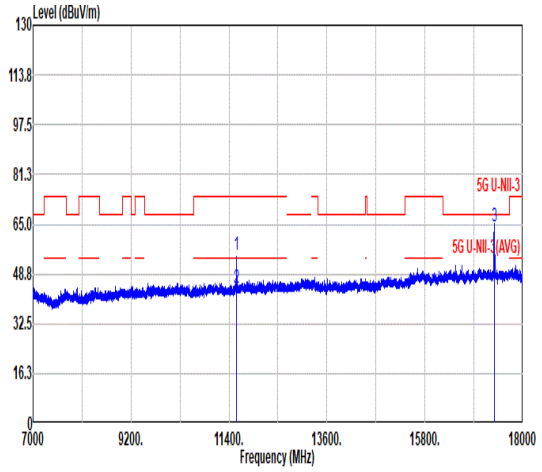
	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	11490.00	45.46	74.00	-28.54	53.96	38.29	16.12	62.91	0.00	---	---	PEAK
2	17235.00	65.55	68.20	-2.65	67.51	42.04	20.18	64.18	0.00	---	---	PEAK

Mode	2	
	Harmonic	
	U-NII-3_5.725-5.85_802.11a_CH157_5785MHz	
ANT	1	
Pol.	Horizontal	Vertical

Peak / Avg

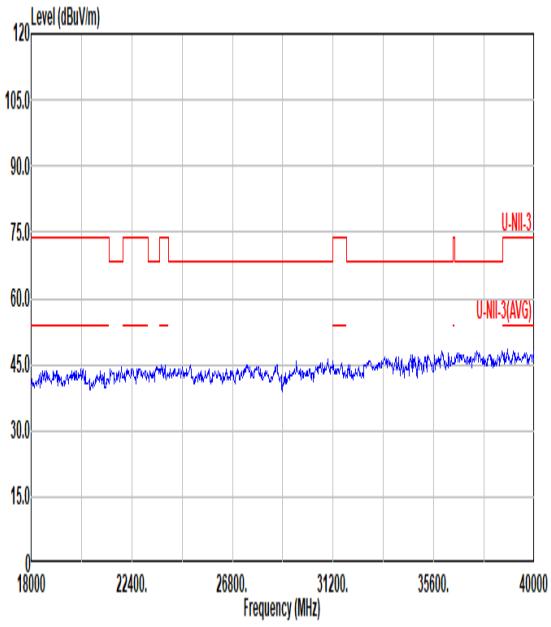


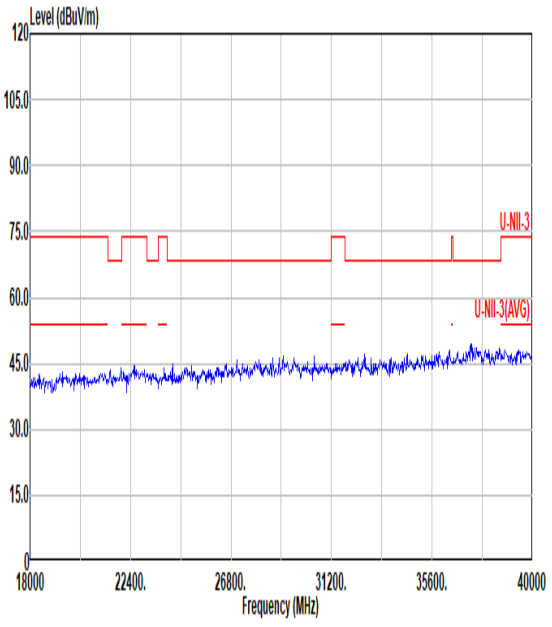
	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	11570.00	62.14	74.00	-11.86	70.48	38.38	16.18	62.90	0.00	269	282	PEAK
2	11570.00	51.82	54.00	-2.18	60.16	38.38	16.18	62.90	0.00	269	282	AVERAGE
3	17355.00	60.81	68.20	-7.39	62.81	41.91	20.29	64.20	0.00	180	130	PEAK



	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	11570.00	54.99	74.00	-19.01	63.33	38.38	16.18	62.90	0.00	308	291	PEAK
2	11570.00	44.21	54.00	-9.79	52.55	38.38	16.18	62.90	0.00	308	291	AVERAGE
3	17355.00	64.10	68.20	-4.10	66.10	41.91	20.29	64.20	0.00	257	149	PEAK

Peak / Avg

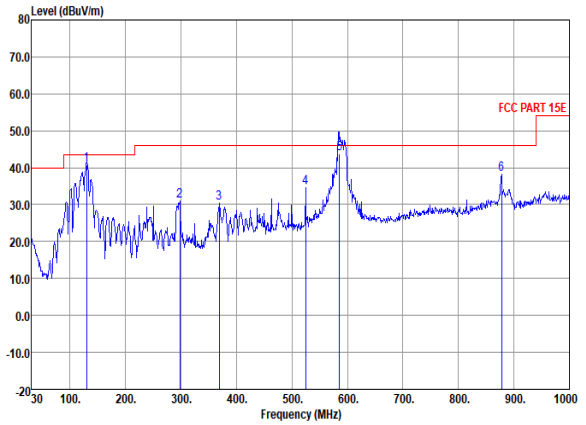




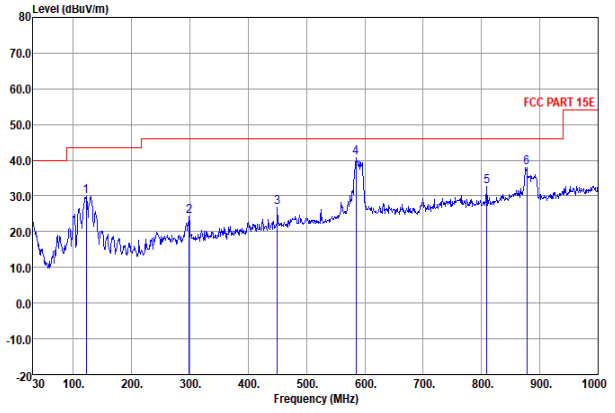
Mode	2	
	LF	
	U-NII-3_5.725-5.85_802.11a_CH157_5785MHz	
ANT	1	
Pol.	Horizontal	Vertical

Peak

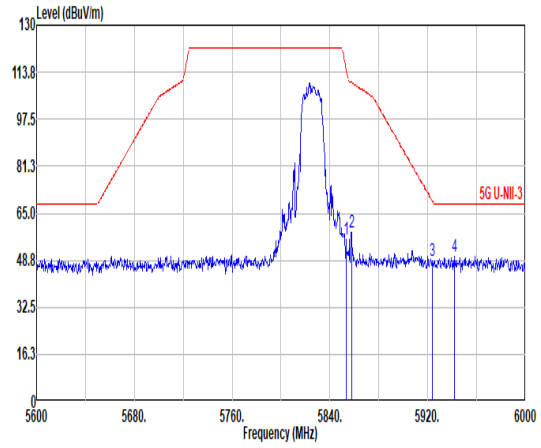
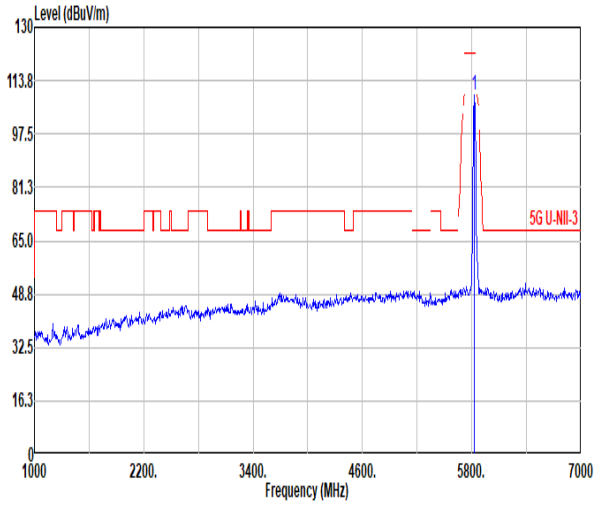
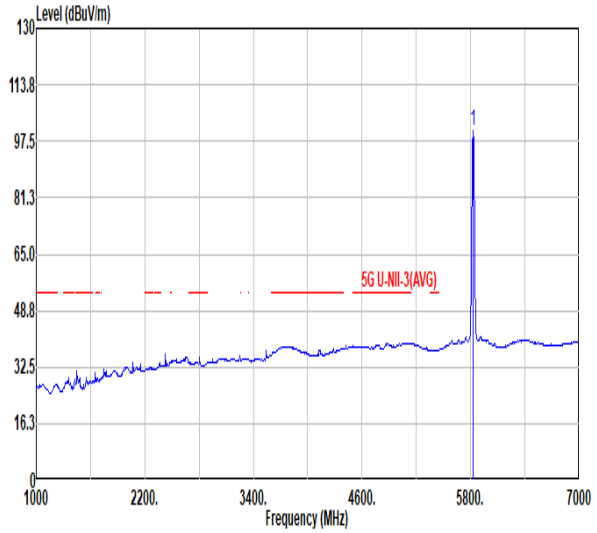
QP

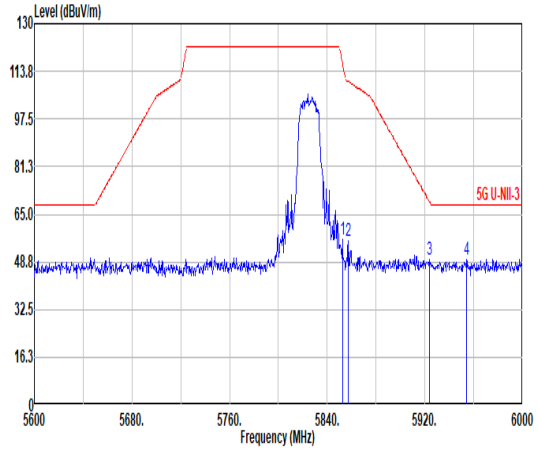
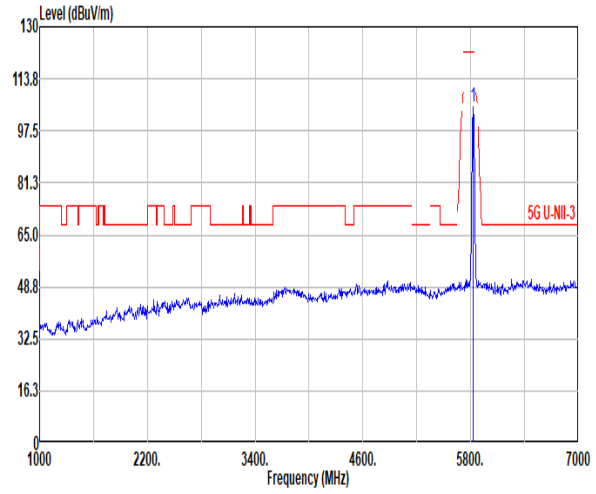
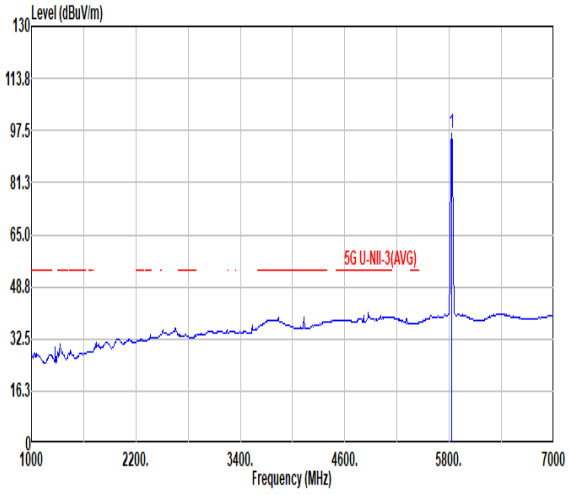


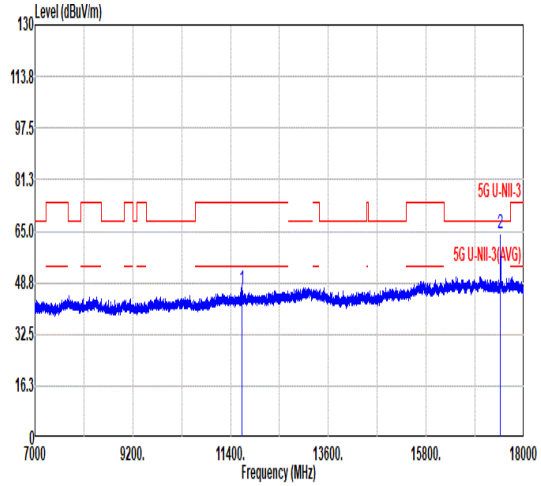
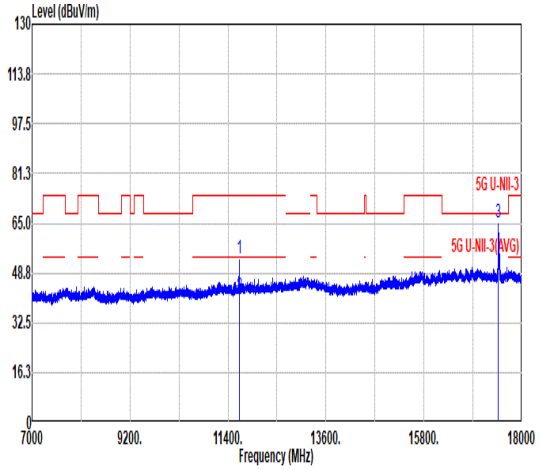
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phas
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg		
1	129.91	40.76	-2.74	43.50	55.49	16.52	1.67	32.92	100	144	QP	HORIZONT
2	297.72	31.05	-14.95	46.00	42.33	19.17	2.55	33.00	---	---	Peak	HORIZONT
3	368.53	30.39	-15.61	46.00	39.80	20.72	2.82	32.95	---	---	Peak	HORIZONT
4	524.70	34.55	-11.45	46.00	40.12	24.44	3.35	33.36	---	---	Peak	HORIZONT
5	585.81	43.81	-2.19	46.00	48.04	25.53	3.54	33.30	100	243	QP	HORIZONT
6	877.78	38.27	-7.73	46.00	37.48	29.00	4.33	32.54	---	---	Peak	HORIZONT



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phas
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg		
1	122.15	29.79	-13.71	43.50	46.38	16.33	0.00	32.92	---	---	Peak	VERTICAL
2	298.69	24.22	-21.78	46.00	38.03	19.19	0.00	33.00	---	---	Peak	VERTICAL
3	450.01	26.84	-19.16	46.00	37.23	22.80	0.00	33.19	---	---	Peak	VERTICAL
4	584.84	40.65	-5.35	46.00	48.43	25.52	0.00	33.30	100	0	Peak	VERTICAL
5	808.91	32.66	-13.34	46.00	37.21	28.34	0.00	32.89	---	---	Peak	VERTICAL
6	877.78	38.01	-7.99	46.00	41.55	29.00	0.00	32.54	---	---	Peak	VERTICAL

	3	
	Band Edge	
	U-NII-3_5.725-5.85_802.11a_CH165_5825MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Over Limit Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5853.20 55.69 115.00 -59.31 45.87 35.66 11.49 37.33 0.00 337 360 PEAK 2 5857.60 58.57 110.17 -51.60 48.73 35.67 11.50 37.33 0.00 337 360 PEAK 3 5923.60 48.55 69.33 -20.78 38.51 35.80 11.55 37.31 0.00 337 360 PEAK 4 5941.60 50.13 68.20 -18.07 40.08 35.80 11.56 37.31 0.00 337 360 PEAK	 Freq Level Limit Line Over Limit Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5825.00 109.50 ------ ------ 99.75 35.57 11.47 37.29 0.00 337 360 PEAK
Avg	Blank	 Freq Level Limit Line Over Limit Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5825.00 100.34 ------ ------ 90.58 35.59 11.47 37.30 0.00 337 360 AVERAGE

Mode	3	
	Band Edge	
	U-NII-3_5.725-5.85_802.11a_CH165_5825MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Over Limit Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5852.40 56.32 116.83 -60.51 46.50 35.66 11.49 37.33 0.00 289 92 PEAK 2 5857.20 55.95 110.28 -54.33 46.11 35.67 11.50 37.33 0.00 289 92 PEAK 3 5923.60 49.33 69.33 -20.00 39.29 35.80 11.55 37.31 0.00 289 92 PEAK 4 5954.00 49.76 68.20 -18.44 39.70 35.80 11.57 37.31 0.00 289 92 PEAK	 Freq Level Limit Line Over Limit Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5825.00 105.13 ------ ------ 95.37 35.59 11.47 37.30 0.00 289 92 PEAK
Avg	Blank	 Freq Level Limit Line Over Limit Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5825.00 96.53 122.30 -25.77 86.78 35.57 11.47 37.29 0.00 289 92 AVERAGE

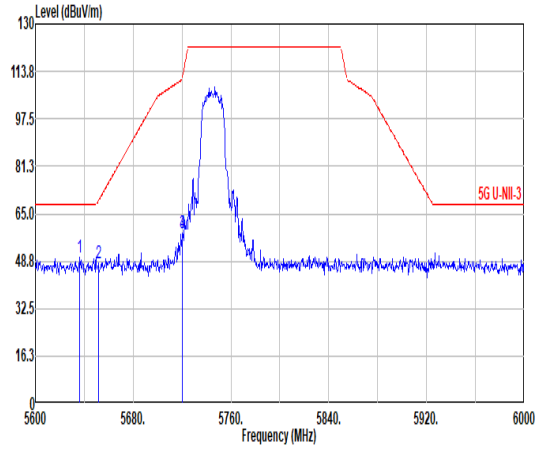
Mode	3	
	Harmonic	
	U-NII-3_5.725-5.85_802.11a_CH165_5825MHz	
ANT	1	
Pol.	Horizontal	Vertical
Peak Avg		

	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	11650.00	46.66	74.00	-27.34	54.85	38.48	16.23	62.90	0.00	---	---	PEAK
2	17475.00	64.14	68.20	-4.06	66.20	41.78	20.39	64.23	0.00	---	---	PEAK

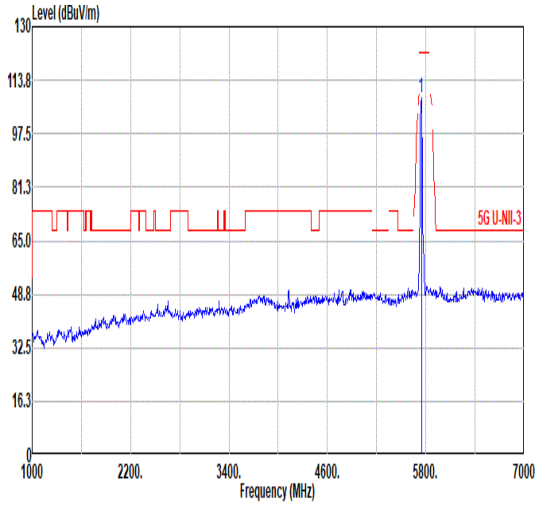
	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	11650.00	53.61	74.00	-20.39	61.80	38.48	16.23	62.90	0.00	300	297	PEAK
2	11650.00	41.40	54.00	-12.60	49.58	38.48	16.24	62.90	0.00	300	297	AVERAGE
3	17475.00	65.04	68.20	-3.16	67.10	41.78	20.39	64.23	0.00	---	---	PEAK

Mode	4	
	Band Edge	
	U-NII-3_5.725-5.85_802.11n HT20_CH149_5745MHz	
ANT	1	
Pol.	Horizontal	Fundamental

Peak



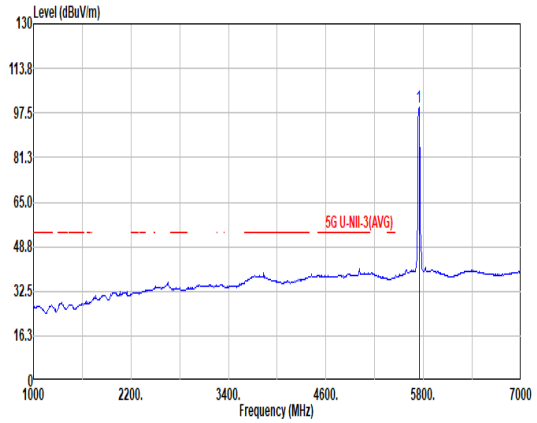
	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5636.40	50.07	68.20	-18.13	40.66	35.24	11.20	37.03	0.00	300	350	PEAK
2	5651.60	47.98	69.49	-21.51	38.56	35.25	11.22	37.05	0.00	300	350	PEAK
3	5720.00	58.24	110.90	-52.66	48.72	35.34	11.32	37.14	0.00	300	350	PEAK
4	5720.00	58.24	110.90	-52.66	48.72	35.34	11.32	37.14	0.00	300	350	PEAK



	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5745.00	108.22	------	------	98.65	35.39	11.36	37.18	0.00	300	350	PEAK

Avg

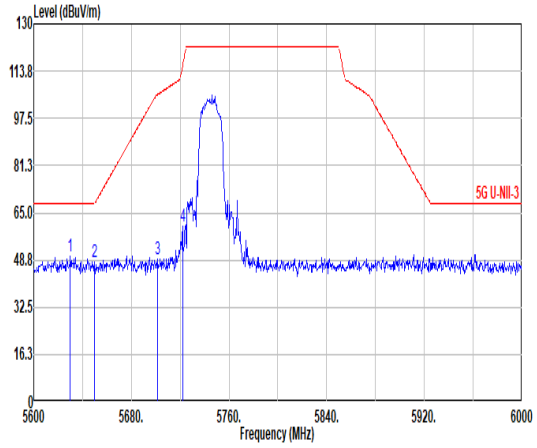
Blank



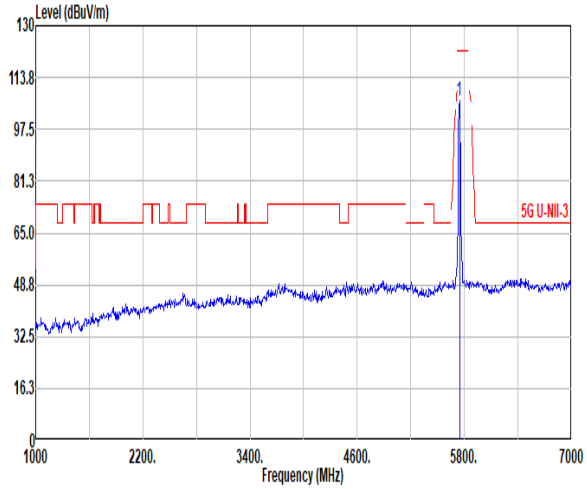
	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5745.00	99.43	------	------	89.86	35.39	11.36	37.18	0.00	300	350	AVERAGE

Mode	4	
	Band Edge	
	U-NII-3_5.725-5.85_802.11n HT20_CH149_5745MHz	
ANT	1	
Pol.	Vertical	Fundamental

Peak



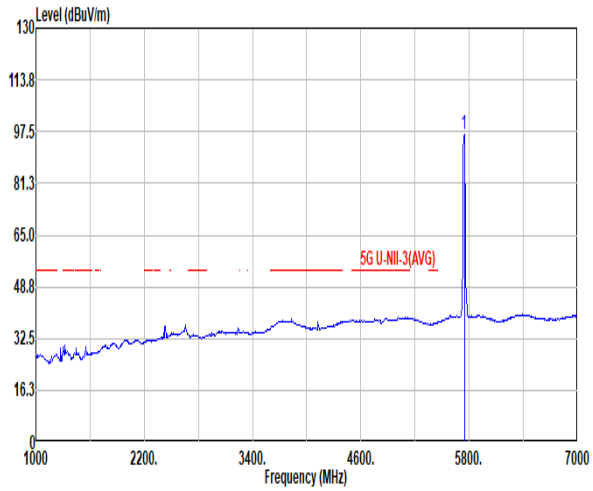
	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5630.00	49.81	68.20	-18.39	40.42	35.23	11.19	37.03	0.00	239	87	PEAK
2	5650.00	47.99	69.49	-21.50	38.56	35.25	11.22	37.04	0.00	239	87	PEAK
3	5701.60	48.96	105.75	-56.79	39.49	35.30	11.29	37.12	0.00	239	87	PEAK
4	5722.00	60.32	115.46	-55.14	50.79	35.34	11.33	37.14	0.00	239	87	PEAK



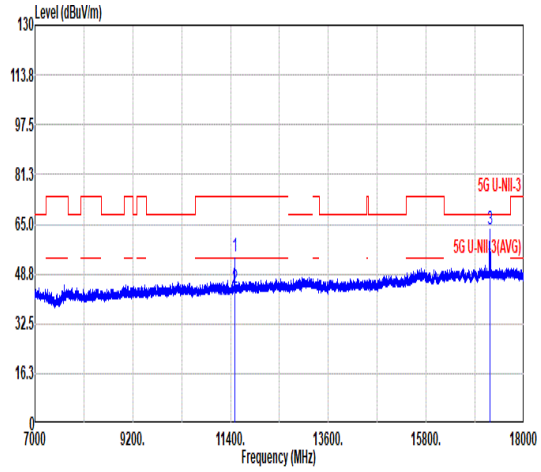
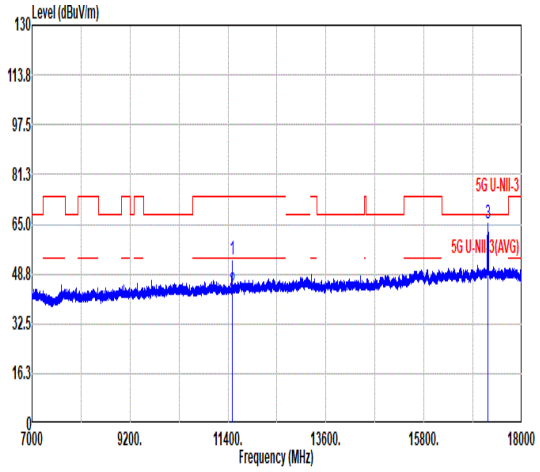
	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5745.00	106.32	------	------	96.75	35.39	11.36	37.18	0.00	239	87	PEAK

Avg

Blank



	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5745.00	96.79	------	------	87.22	35.39	11.36	37.18	0.00	239	87	AVERAGE

Mode	4	
	Harmonic	
	U-NII-3_5.725-5.85_802.11n HT20_CH149_5745MHz	
ANT	1	
Pol.	Horizontal	Vertical
Peak Avg		

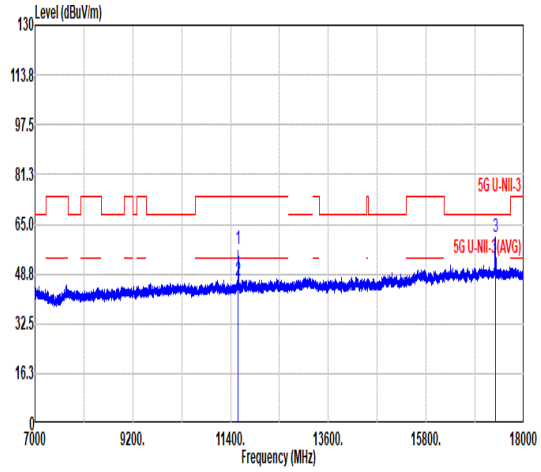
	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	11490.00	54.23	74.00	-19.77	62.73	38.29	16.12	62.91	0.00	300	239	PEAK
2	11490.00	44.12	54.00	-9.88	52.62	38.29	16.12	62.91	0.00	300	239	AVERAGE
3	17232.20	63.31	68.20	-4.89	65.27	42.04	20.18	64.18	0.00	---	---	Peak

	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	11490.00	53.43	74.00	-20.57	61.93	38.29	16.12	62.91	0.00	240	234	PEAK
2	11490.00	43.21	54.00	-10.79	51.71	38.29	16.12	62.91	0.00	240	234	AVERAGE
3	17237.33	65.39	68.20	-2.81	67.34	42.04	20.19	64.18	0.00	---	---	Peak

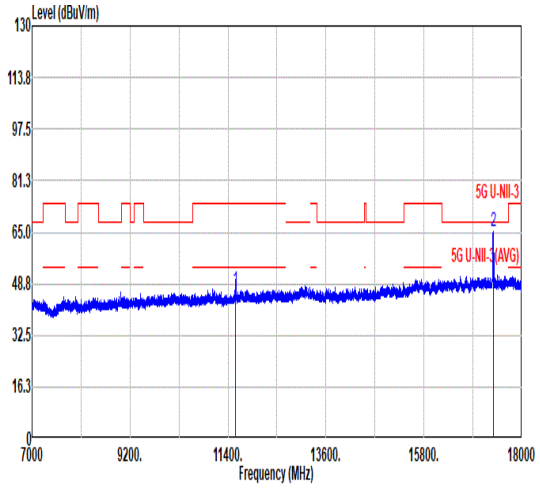
Mode	5	
	Harmonic	
	U-NII-3_5.725-5.85_802.11n HT20_CH157_5785MHz	
ANT	1	
Pol.	Horizontal	Vertical

Peak

Avg



	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	11570.00	57.12	74.00	-16.88	65.46	38.38	16.18	62.90	0.00	241	335	PEAK
2	11570.00	46.46	54.00	-7.54	54.80	38.38	16.18	62.90	0.00	241	335	AVERAGE
3	17365.67	60.91	68.20	-7.29	62.92	41.90	20.30	64.21	0.00	---	---	Peak

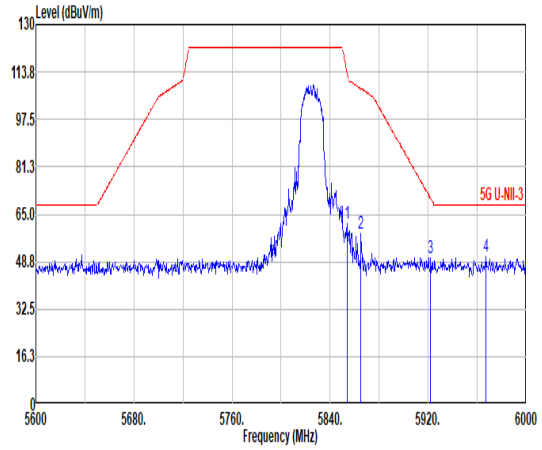


	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	11570.00	46.83	74.00	-27.17	55.17	38.38	16.18	62.90	0.00	---	---	PEAK
2	17365.67	65.17	68.20	-3.03	67.18	41.90	20.30	64.21	0.00	---	---	Peak

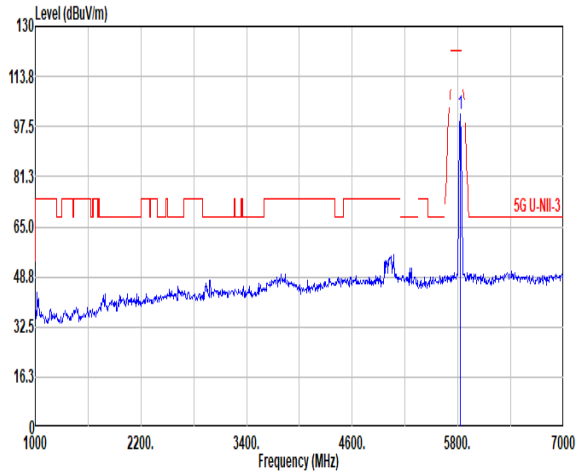
Mode	6
	Band Edge - L
	U-NII-3_5.725-5.85_802.11n HT20_CH165_5825MHz
ANT	1

Pol.	Horizontal	Fundamental

Peak



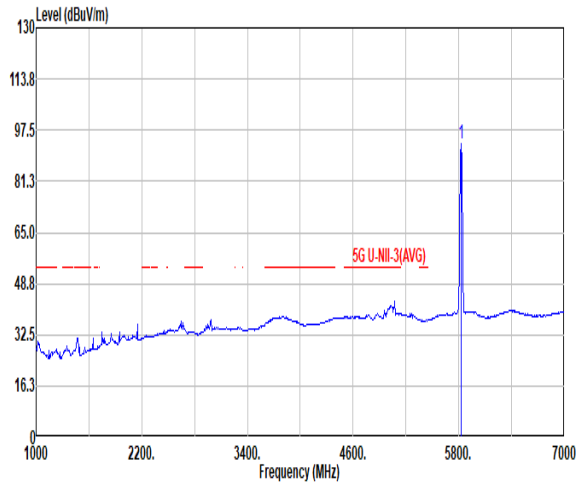
	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5854.00	62.02	113.18	-51.16	52.20	35.66	11.49	37.33	0.00	394	20	PEAK
2	5865.20	58.54	108.04	-49.50	48.67	35.70	11.50	37.33	0.00	394	20	PEAK
3	5922.00	50.03	70.42	-20.39	39.99	35.80	11.55	37.31	0.00	394	20	PEAK
4	5966.80	50.61	68.20	-17.59	40.53	35.80	11.58	37.30	0.00	394	20	PEAK



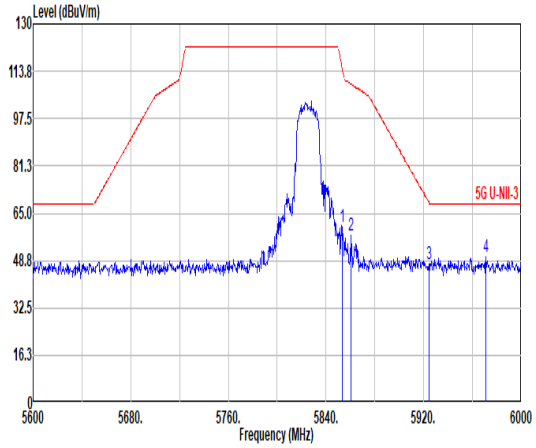
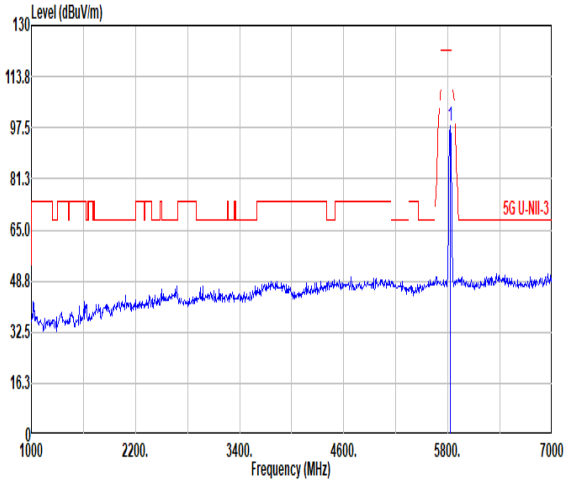
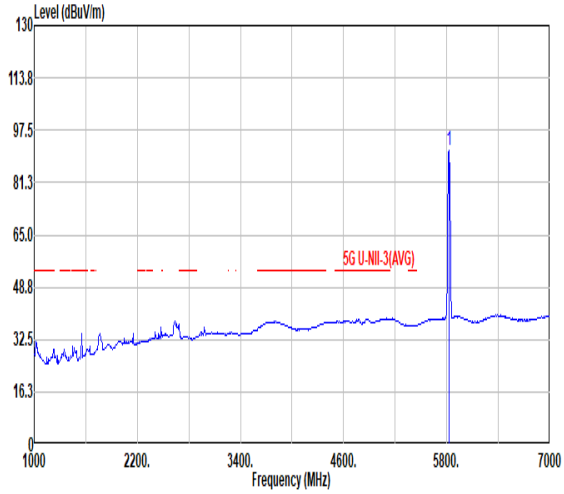
	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5825.00	101.35	------	------	91.60	35.57	11.47	37.29	0.00	250	297	PEAK

Avg

Blank



	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5825.00	92.97	------	------	83.22	35.57	11.47	37.29	0.00	250	297	AVERAGE

Mode	6	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11n HT20_CH165_5825MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak		
Avg	Blank	

	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5853.20	60.23	115.00	-54.77	50.41	35.66	11.49	37.33	0.00	359	99	PEAK
2	5860.40	57.16	109.39	-52.23	47.31	35.68	11.50	37.33	0.00	359	99	PEAK
3	5924.40	47.56	68.64	-21.08	37.52	35.80	11.55	37.31	0.00	359	99	PEAK
4	5971.20	50.05	68.20	-18.15	39.96	35.80	11.59	37.30	0.00	359	99	PEAK

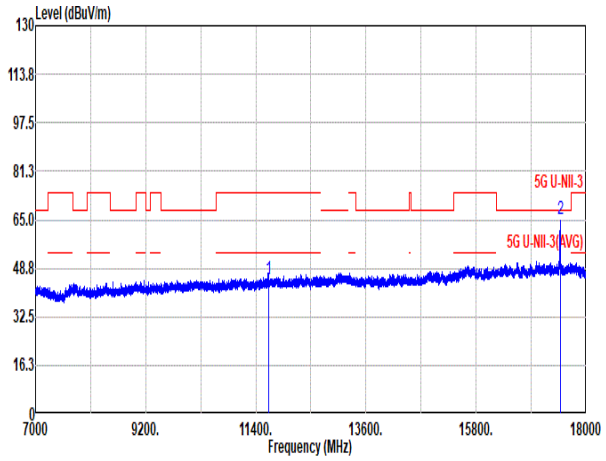
	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5825.00	98.24	------	------	88.48	35.59	11.47	37.30	0.00	250	297	PEAK

	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5825.00	91.39	------	------	81.64	35.57	11.47	37.29	0.00	250	297	AVERAGE

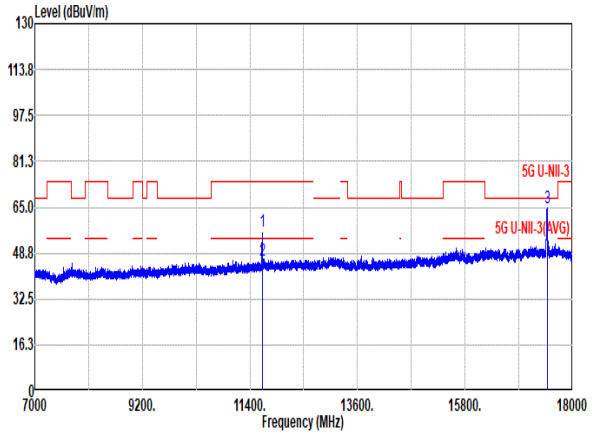
Mode	6	
	Harmonic	
	U-NII-3_5.725-5.85_802.11n HT20_CH165_5825MHz	
ANT	1	
Pol.	Horizontal	Vertical

Peak

Avg



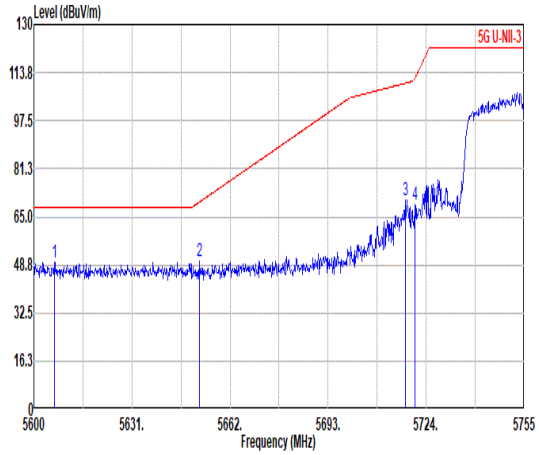
	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	11650.00	44.98	74.00	-29.02	53.17	38.48	16.23	62.90	0.00	---	---	PEAK
2	17480.07	65.15	68.20	-3.05	67.21	41.77	20.40	64.23	0.00	---	---	PEAK



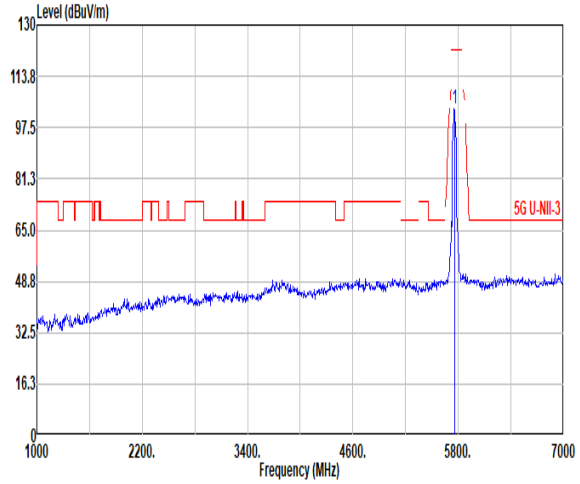
	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	11650.00	56.60	74.00	-17.40	64.79	38.48	16.23	62.90	0.00	291	334	PEAK
2	11650.00	46.19	54.00	-7.81	54.38	38.48	16.23	62.90	0.00	291	334	AVERAGE
3	17483.00	64.59	68.20	-3.61	66.65	41.77	20.40	64.23	0.00	---	---	PEAK

Mode	7	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11n HT40_CH151_5755MHz	
ANT	1	
Pol.	Horizontal	Fundamental

Peak



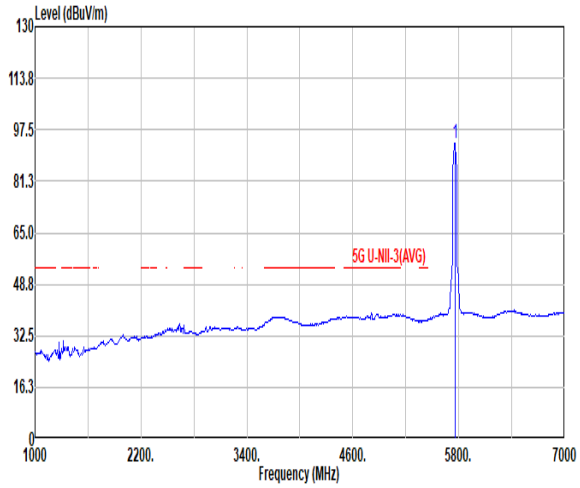
	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5606.51	49.79	68.20	-18.41	40.45	35.21	11.16	37.03	0.00	300	348	PEAK
2	5652.39	50.11	69.98	-19.87	40.69	35.25	11.22	37.05	0.00	300	348	PEAK
3	5717.49	70.56	110.20	-39.64	61.05	35.33	11.32	37.14	0.00	300	348	PEAK
4	5720.44	69.08	111.89	-42.81	59.56	35.34	11.32	37.14	0.00	300	348	PEAK



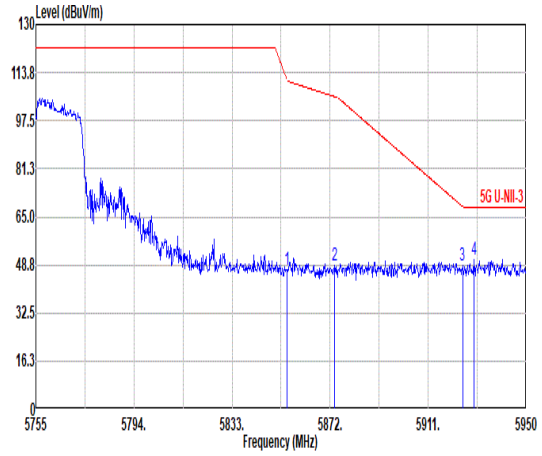
	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5755.00	103.28	------	------	93.70	35.40	11.37	37.19	0.00	202	69	PEAK

Avg

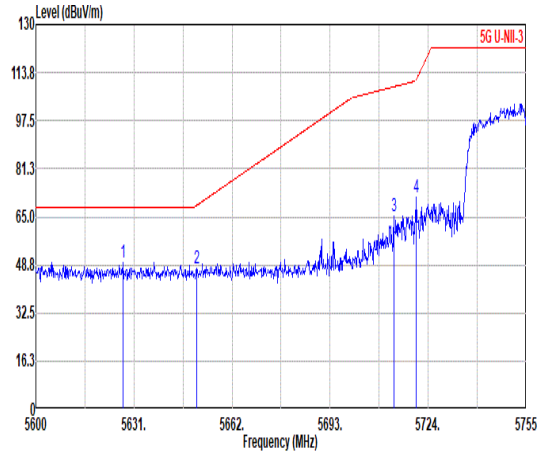
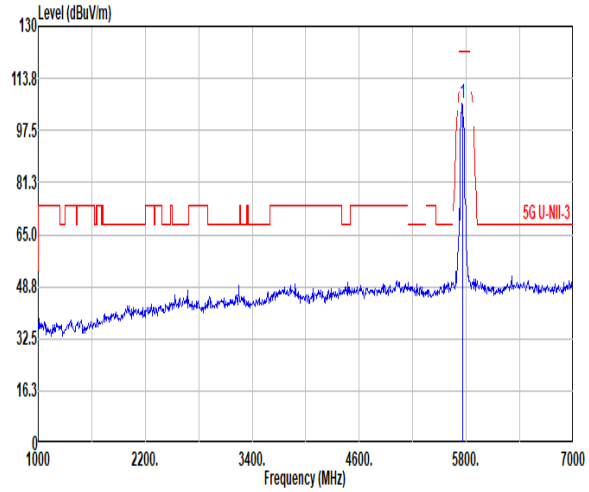
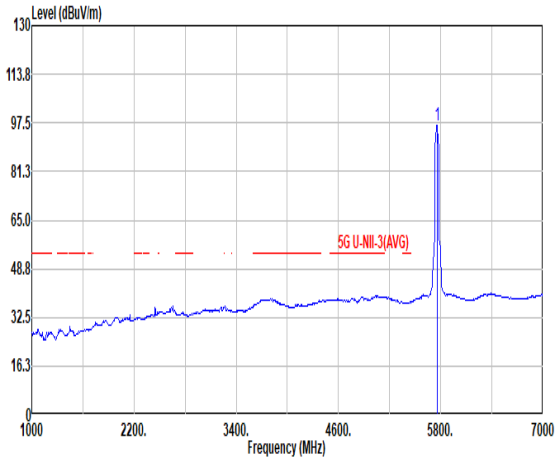
Blank



	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5755.00	93.39	------	------	83.81	35.40	11.37	37.19	0.00	202	69	AVERAGE

Mode	7	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11n HT40_CH151_5755MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak		Blank

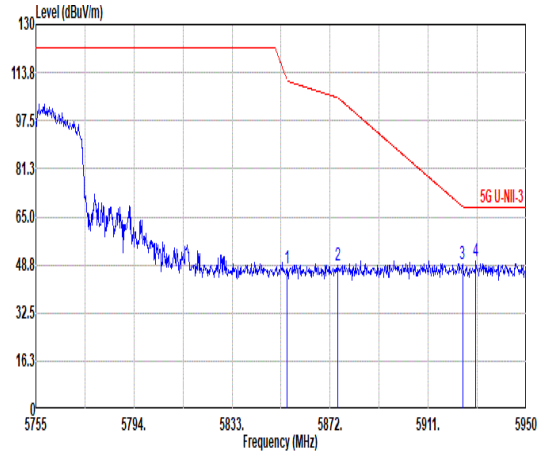
	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5854.84	47.28	111.26	-63.98	37.46	35.66	11.49	37.33	0.00	300	348	PEAK
2	5873.76	48.48	105.65	-57.17	38.58	35.72	11.51	37.33	0.00	300	348	PEAK
3	5924.65	48.55	68.46	-19.91	38.51	35.80	11.55	37.31	0.00	300	348	PEAK
4	5929.14	50.59	68.20	-17.61	40.55	35.80	11.55	37.31	0.00	300	348	PEAK

Mode	7	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11n HT40_CH151_5755MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak		
Avg	Blank	

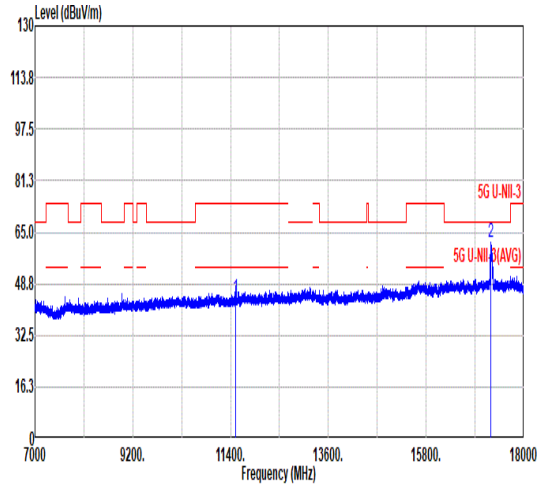
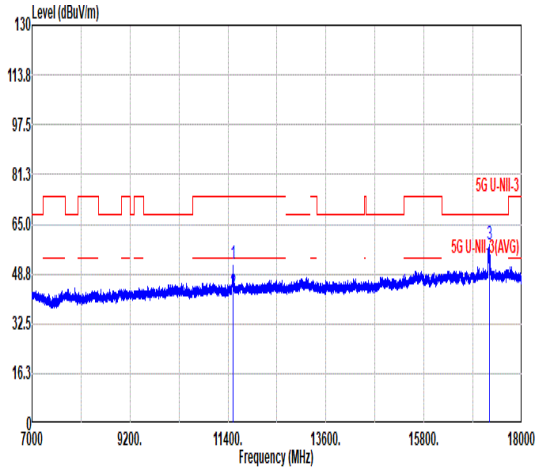
	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5627.59	49.75	68.20	-18.45	40.36	35.23	11.19	37.03	0.00	202	69	PEAK
2	5650.84	47.64	68.83	-21.19	38.22	35.25	11.22	37.05	0.00	202	69	PEAK
3	5713.15	65.26	108.98	-43.72	55.75	35.33	11.31	37.13	0.00	202	69	PEAK
4	5720.28	71.77	111.54	-39.77	62.25	35.34	11.32	37.14	0.00	202	69	PEAK

	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5755.00	105.73	------	------	96.15	35.40	11.37	37.19	0.00	300	348	PEAK

	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5755.00	96.81	------	------	87.23	35.40	11.37	37.19	0.00	300	348	AVERAGE

Mode	7	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11n HT40_CH151_5755MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak		Blank

	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5854.84	47.37	111.26	-63.89	37.55	35.66	11.49	37.33	0.00	202	69	PEAK
2	5874.93	48.79	105.32	-56.53	38.88	35.72	11.51	37.32	0.00	202	69	PEAK
3	5924.65	48.89	68.46	-19.57	38.85	35.80	11.55	37.31	0.00	202	69	PEAK
4	5929.92	49.84	68.20	-18.36	39.80	35.80	11.55	37.31	0.00	202	69	PEAK

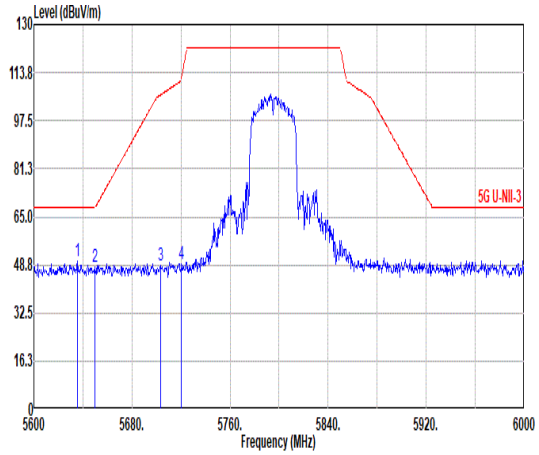
Mode	7	
	Harmonic	
	U-NII-3_5.725-5.85_802.11n HT40_CH151_5755MHz	
ANT	1	
Pol.	Horizontal	Vertical
Peak Avg		

	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	11510.00	44.10	74.00	-29.90	52.56	38.31	16.13	62.90	0.00	---	---	PEAK
2	17261.53	61.61	68.20	-6.59	63.57	42.01	20.21	64.18	0.00	---	---	Peak

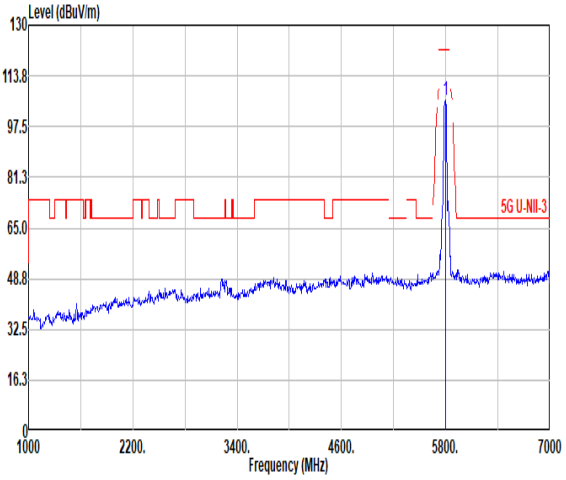
	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	11510.00	51.82	74.00	-22.18	60.28	38.31	16.13	62.90	0.00	274	334	PEAK
2	11510.00	42.64	54.00	-11.36	51.10	38.31	16.13	62.90	0.00	274	334	AVERAGE
3	17272.53	58.48	68.20	-9.72	60.45	42.00	20.22	64.19	0.00	---	---	Peak

Mode	8	
	Band Edge - L	
	U-NII-3_5.725-5.85_802.11n HT40_CH159_5795MHz	
ANT	1	
Pol.	Horizontal	Fundamental

Peak



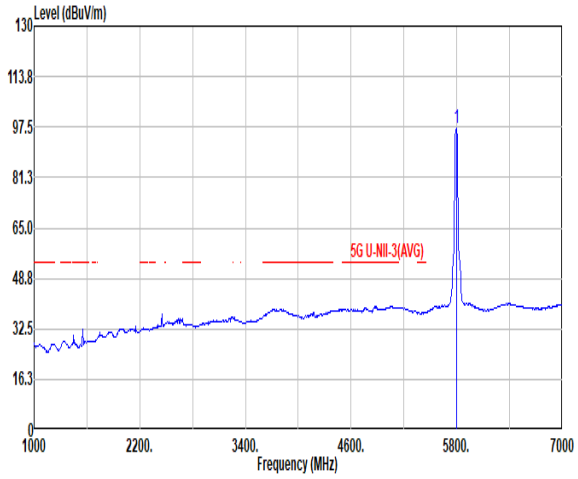
	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5635.60	49.87	68.20	-18.33	40.46	35.24	11.20	37.03	0.00	295	347	PEAK
2	5650.00	47.93	68.20	-20.27	38.50	35.25	11.22	37.04	0.00	295	347	PEAK
3	5703.20	48.72	106.20	-57.48	39.23	35.31	11.30	37.12	0.00	295	347	PEAK
4	5720.40	49.15	111.81	-62.66	39.63	35.34	11.32	37.14	0.00	295	347	PEAK



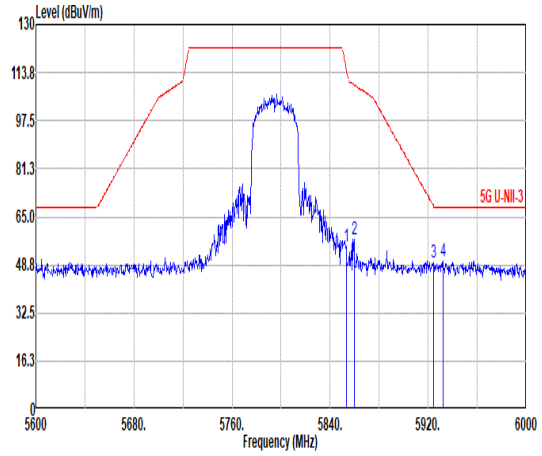
	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5795.00	106.05	------	------	96.37	35.49	11.44	37.25	0.00	295	347	PEAK

Avg

Blank



	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5795.00	96.97	------	------	87.29	35.49	11.44	37.25	0.00	295	347	AVERAGE

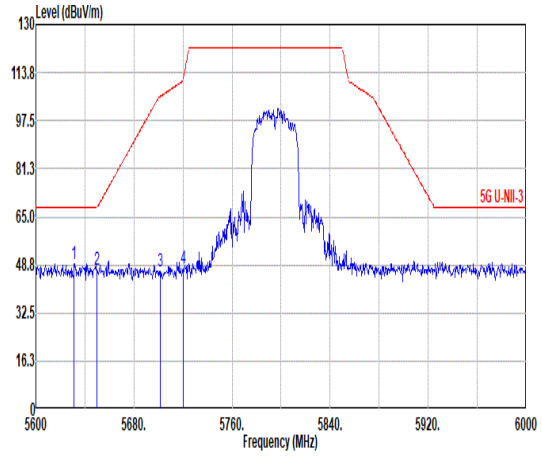
Mode	8	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11n HT40_CH159_5795MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak		Blank

	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5853.20	54.91	115.00	-60.09	45.09	35.66	11.49	37.33	0.00	295	347	PEAK
2	5859.60	57.34	109.61	-52.27	47.49	35.68	11.50	37.33	0.00	295	347	PEAK
3	5924.40	49.66	68.64	-18.98	39.62	35.80	11.55	37.31	0.00	295	347	PEAK
4	5932.00	50.16	68.20	-18.04	40.11	35.80	11.56	37.31	0.00	295	347	PEAK

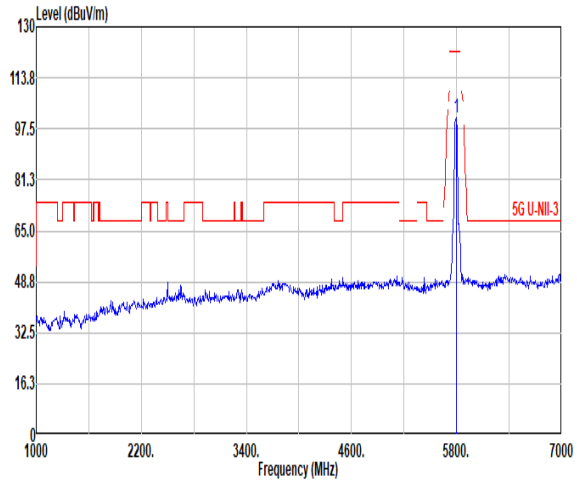
Mode	8
	Band Edge - L
	U-NII-3_5.725-5.85_802.11n HT40_CH159_5795MHz
ANT	1

Pol.	Vertical	Fundamental

Peak



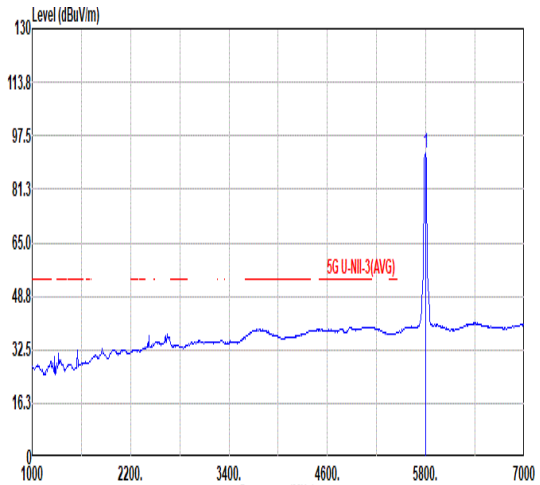
	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5631.20	49.07	68.20	-19.13	39.68	35.23	11.19	37.03	0.00	201	69	PEAK
2	5650.00	46.99	68.20	-21.21	37.56	35.25	11.22	37.04	0.00	201	69	PEAK
3	5701.60	46.84	105.75	-58.91	37.37	35.30	11.29	37.12	0.00	201	69	PEAK
4	5720.00	47.40	110.90	-63.50	37.88	35.34	11.32	37.14	0.00	201	69	PEAK



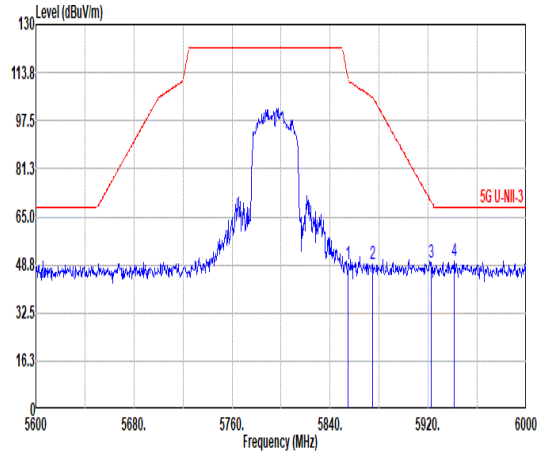
	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5795.00	101.12	------	------	91.44	35.49	11.44	37.25	0.00	201	69	PEAK

Avg

Blank

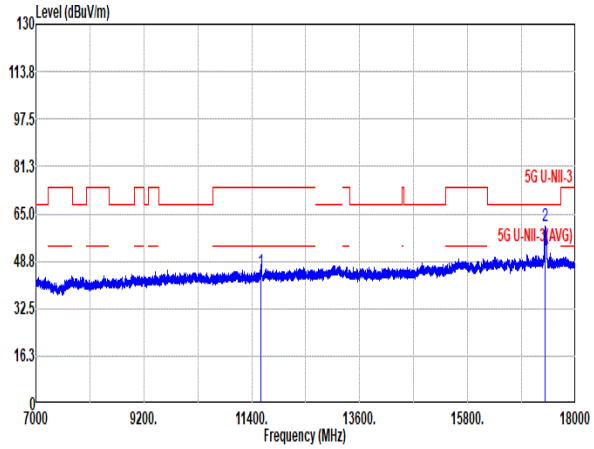
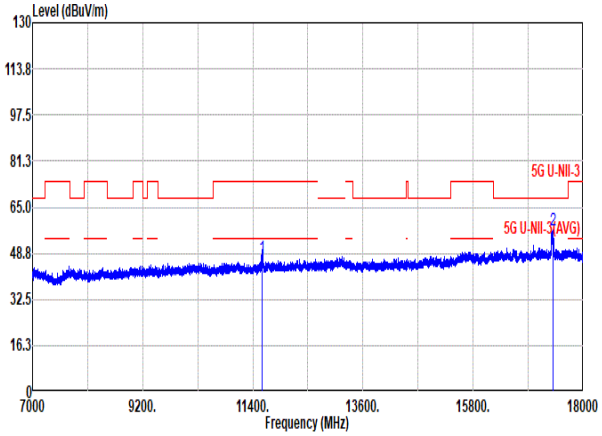


	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5795.00	92.25	------	------	82.57	35.49	11.44	37.25	0.00	201	69	AVERAGE

Mode	8	
	Band Edge - R	
	U-NII-3_5.725-5.85_802.11n HT40_CH159_5795MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak		Blank

	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5854.80	49.15	111.36	-62.21	39.33	35.66	11.49	37.33	0.00	201	69	PEAK
2	5874.80	49.29	105.36	-56.07	39.38	35.72	11.51	37.32	0.00	201	69	PEAK
3	5922.40	49.54	70.12	-20.58	39.50	35.80	11.55	37.31	0.00	201	69	PEAK
4	5941.20	50.18	68.20	-18.02	40.13	35.80	11.56	37.31	0.00	201	69	PEAK

Mode	8
	Harmonic
	U-NII-3_5.725-5.85_802.11n HT40_CH159_5795MHz
ANT	1

Pol.	Horizontal	Vertical
Peak Avg		

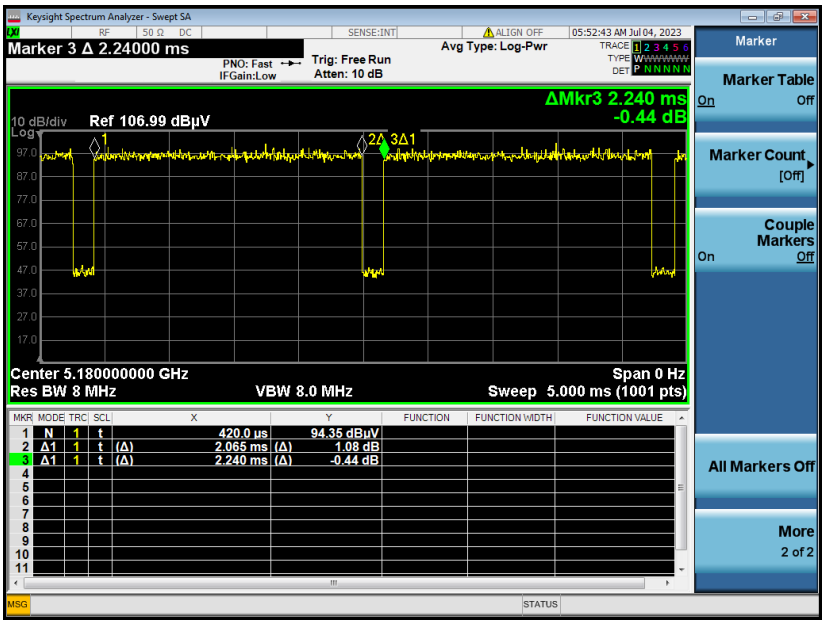
	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	11590.00	45.25	74.00	-28.75	53.55	38.41	16.19	62.90	0.00	---	---	PEAK
2	17382.53	60.96	68.20	-7.24	62.98	41.88	20.31	64.21	0.00	---	---	PEAK

	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	11590.00	46.95	74.00	-27.05	55.25	38.41	16.19	62.90	0.00	---	---	PEAK
2	17390.60	56.95	68.20	-11.25	58.97	41.87	20.32	64.21	0.00	---	---	PEAK

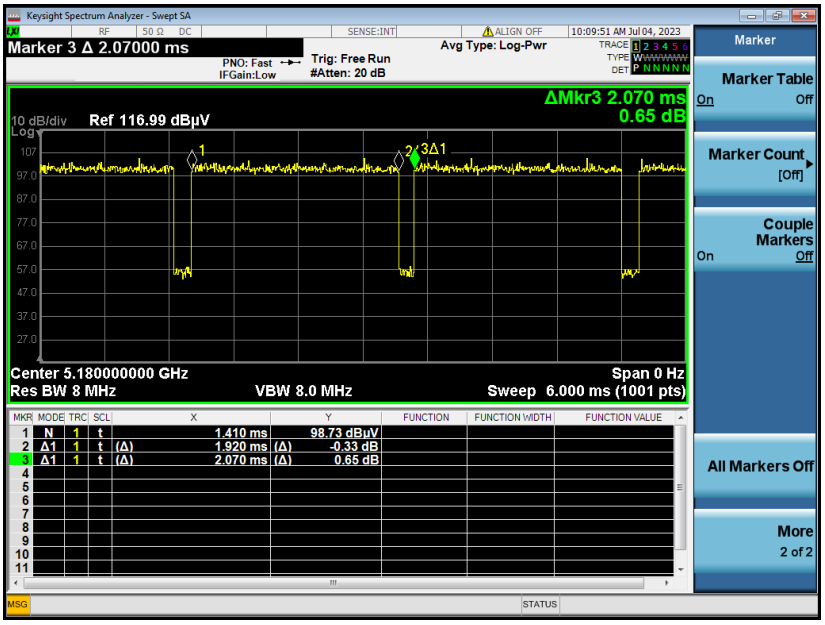
Appendix D. Duty Cycle Plots

Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
802.11a	92.19	2.065	0.484	0.51KHz
802.11n HT20	92.75	1.92	0.521	0.56KHz
802.11n HT40	84.86	0.942	1.062	1.1KHz

802.11a



802.11n HT20



802.11n HT40