FCC Test Report

Equipment	:	**AC1350 Wireless Dual Band Router**
Brand Name	:	**TP-LINK**
Model No.	:	**Archer C60**
FCC ID	:	**TE7C60**
Standard	:	**47 CFR FCC Part 15.407**
RF Specification	:	**Wi-Fi**
Frequency	:	**5150 MHz – 5250 MHz** **5725 MHz – 5850 MHz**
FCC Classification	:	**NII**
Applicant / Manufacturer	:	**TP-LINK TECHNOLOGIES CO., LTD.** Building 24 (floors 1,3,4,5) and 28 (floors1-4) Central Science and Technology Park, Shennan Rd, Nanshan, Shenzhen,China

The product sample received on Jun. 23, 2016 and completely tested on Oct. 05, 2016. We, SPORTON, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown 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., the test report shall not be reproduced except in full.

Reviewed by:

Kevin Liang / Assistant Manager

Testing Laboratory
1190

Table of Contents

1 GENERAL DESCRIPTION 5

1.1 Information 5
1.2 Testing Applied Standards 8
1.3 Testing Location Information 8
1.4 Measurement Uncertainty 9

2 TEST CONFIGURATION OF EUT 10

2.1 Test Condition 10
2.2 The Worst Case Modulation Configuration 10
2.3 Test Channel Mode 11
2.4 The Worst Case Measurement Configuration 13
2.5 Accessories and Support Equipment 14
2.6 Test Setup Diagram 15

3 TRANSMITTER TEST RESULT 16

3.1 AC Power-line Conducted Emissions 16
3.2 Emission Bandwidth 17
3.3 Maximum Conducted Output Power 18
3.4 Peak Power Spectral Density 20
3.5 Transmitter Bandedge Emissions 22
3.6 Transmitter Unwanted Emissions 25
3.7 Frequency Stability 29

4 TEST EQUIPMENT AND CALIBRATION DATA 30

Appendix I. Test Result of AC Power-line Conducted Emissions

Appendix A. Test Result of Emission Bandwidth

Appendix B. Test Result of Maximum Conducted Output Power

Appendix C. Test Result of Power Spectral Density

Appendix D. Transmitter Bandedge Emissions

Appendix E. Transmitter Unwanted Emissions

Appendix F. Frequency Stability

Appendix G. Test Photos

Appendix EP. Photographs of EUT v01

Summary of Test Result

Conformance Test Specifications			
Report Clause	**Ref. Std. Clause**	**Description**	**Result**
1.1.3	15.203	Antenna Requirement	Complied
3.1	15.207	AC Power-line Conducted Emissions	Complied
3.2	15.407(a)	Emission Bandwidth	Complied
3.3	15.407(a)	Maximum Conducted Output Power	Complied
3.4	15.407(a)	Peak Power Spectral Density	Complied
3.5	15.407(b)	Unwanted Emissions	Complied
3.7	15.407(g)	Frequency Stability	Complied

Revision History

Report No.	Version	Description	Issued Date
FR642212-02AN	Rev. 01	Initial issue of report	Nov. 17, 2016

1 General Description

1.1 Information

1.1.1 Product Details

The difference between the report no. : N/A	
The Difference	N/A

Evaluated Test Items	N/A

1.1.2 RF General Information

Band	Mode	BWch (MHz)	Nss-Min	Nant
5.2G	11a	20	1	2
5.2G	HT20	20	1,(M0-15)	2
5.2G	HT40	40	1,(M0-15)	2
5.2G	VHT20	20	1,(M0-8)	2
5.2G	VHT40	40	1,(M0-9)	2
5.2G	VHT80	80	1,(M0-9)	2
5.8G	11a	20	1	2
5.8G	HT20	20	1,(M0-15)	2
5.8G	HT40	40	1,(M0-15)	2
5.8G	VHT20	20	1,(M0-8)	2
5.8G	VHT40	40	1,(M0-9)	2
5.8G	VHT80	80	1,(M0-9)	2

Note:
- 5.2G is the 5.2GHz Band (5.15-5.25GHz).
- 5.8G is the 5.8GHz Band (5.725-5.850GHz).
- 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20, VHT40 and VHT80 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- BWch is the nominal channel bandwidth.
- Nss-Min is the minimum number of spatial streams.
- Nant is the number of outputs. e.g., 2(2,3) means have 2 outputs for port 2 and port 3. 2 means have 2 outputs for port 1 and port 2.

1.1.3 Antenna Information

Antenna Category	
☐	Equipment placed on the market without antennas
☐	Integral antenna (antenna permanently attached)
	☐ Temporary RF connector provided
	☐ No temporary RF connector provided Transmit chains bypass antenna and soldered temporary RF connector provided for connected measurement. In case of conducted measurements the transmitter shall be connected to the measuring equipment via a suitable attenuator and correct for all losses in the RF path.
☒	External antenna (dedicated antennas)
	☒ Single power level with corresponding antenna(s).
	☐ Multiple power level and corresponding antenna(s).

Antenna General Information				
No.	Ant. Cat.	Ant. Type	Gain (dBi)	
			U-NII-1	U-NII-3
1	External	Dipole	2.47	3.23
2	External	Dipole	2.58	3.36

1.1.4 Type of EUT

Identify EUT	
EUT Serial Number	N/A
Presentation of Equipment	☒ Production ; ☐ Pre-Production ; ☐ Prototype
Type of EUT	
☒	Stand-alone
☐	Combined (EUT where the radio part is fully integrated within another device) Combined Equipment - Brand Name / Model No.: …
☐	Plug-in radio (EUT intended for a variety of host systems) Host System - Brand Name / Model No.: …
☐	Other:

1.1.5 Mode Test Duty Cycle

Operated Mode for Worst Duty Cycle	
☒ Operated test mode for worst duty cycle	
Test Signal Duty Cycle (x)	**Power Duty Factor [dB] – (10 log 1/x)**
☒ 97.2% - IEEE 802.11a	0.12
☒ 98.7% - IEEE 802.11n (HT20)	0.06
☒ 97.6% - IEEE 802.11n (HT40)	0.11
☒ 99.0% - IEEE 802.11n (VHT20)	0.04
☒ 97.5% - IEEE 802.11n (VHT40)	0.11
☒ 94.9% - IEEE 802.11n (VHT80)	0.23

1.1.6 EUT Operational Condition

Supply Voltage	☒ AC mains	☐ DC	
Type of DC Source	☒ External AC Adapter	☐ From Host System	☐ Battery

1.1.7 EUT Operate Information

Items	Description			
Beamforming Function	☐	With beamforming	☒	Without beamforming
Operate Condition	☒	Indoor	☐	Outdoor
	☐	Fixed P2P	☐	Client
Operate Mode	☒	Master		

1.2 Testing Applied Standards

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

- 47 CFR FCC Part 15
- ANSI C63.10-2013
- KDB 789033 D02 v01r03
- 16-24-UNII
- KDB 662911 D01 v02r01
- KDB 644545 D03 v01

1.3 Testing Location Information

Testing Location						
☒	HWA YA	ADD :	No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan District, Tao Yuan City, Taiwan, R.O.C.			
		TEL :	886-3-327-3456	FAX :	886-3-327-0973	
Test Condition		**Test Site No.**	**Test Engineer**	**Test Environment**	**Test Date**	
AC Conduction		CO04-HY	Ryan	25°C / 53%	01/07/2016	
RF Conducted		TH01-HY	Lisa	23.5°C / 63%	05/10/2016	
Radiated Emission		03CH09-HY	Thor	23.8°C / 62.4%	27/09/2016	

Test site registered number [553509] with FCC.

1.4 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)

Measurement Uncertainty		
Test Item		**Uncertainty**
AC power-line conducted emissions		±2.26 dB
Emission bandwidth, 26dB bandwidth		±1.42 %
RF output power, conducted		±0.63 dB
Power density, conducted		±0.81 dB
Unwanted emissions, conducted	9 – 150 kHz	±0.38 dB
	0.15 – 30 MHz	±0.42 dB
	30 – 1000 MHz	±0.51 dB
	1 – 18 GHz	±0.67 dB
	18 – 40 GHz	±0.83 dB
	40 – 200 GHz	N/A
All emissions, radiated	9 – 150 kHz	±2.49 dB
	0.15 – 30 MHz	±2.28 dB
	30 – 1000 MHz	±2.56 dB
	1 – 18 GHz	±3.59 dB
	18 – 40 GHz	±3.82 dB
	40 – 200 GHz	N/A
Temperature		±0.8 °C
Humidity		±3 %
DC and low frequency voltages		±3 %
Time		±1.42 %
Duty Cycle		±1.42 %

2 Test Configuration of EUT

2.1 Test Condition

Condition Item	Abbreviation/Remark	Remark
RF Conducted	**Abbreviation**	**Remark**
TN,VN	TN	20°C
-	VN	110V
Freq. Stability	**Abbreviation**	**Remark**
TN,VN	TN	110V
TN,VL	TL	93.5V
TN,VH	TH	126.5V
T40,VN	T40	40°C
T30,VN	T30	30°C
T20,VN	T20	20°C
T10,VN	T10	10°C
T0,VN	T0	0°C

2.2 The Worst Case Modulation Configuration

Worst Modulation Used for Conformance Testing			
Modulation Mode	**Transmit Chains (N_{TX})**	**Data Rate / MCS**	**Worst Data Rate / MCS**
11a	2	6-54Mbps	6 Mbps
HT20	2	MCS 0-15	MCS 0
HT40	2	MCS 0-15	MCS 0
VHT20	2	MCS 0-8	MCS 0
VHT40	2	MCS 0-9	MCS 0
VHT80	2	MCS 0-9	MCS 0

2.3 Test Channel Mode

Test Software	QRCT /V 3.0.144.0

Band	Mode	BWch (MHz)	Nss-Min	Nant	Ch. (MHz)	Range	Power Setting
5.2G	11a	20	1	2	5180	L	16
5.2G	11a	20	1	2	5200	M	21
5.2G	11a	20	1	2	5240	H	22.5
5.2G	HT20	20	1	2	5180	L	15.5
5.2G	HT20	20	1	2	5200	M	21.5
5.2G	HT20	20	1	2	5240	H	22.5
5.2G	VHT20	20	1	2	5180	L	15.5
5.2G	VHT20	20	1	2	5200	M	21.5
5.2G	VHT20	20	1	2	5240	H	22.5
5.2G	HT40	40	1	2	5190	L	11.5
5.2G	HT40	40	1	2	5230	H	20
5.2G	VHT40	40	1	2	5190	L	11.5
5.2G	VHT40	40	1	2	5230	H	20
5.2G	VHT80	80	1	2	5210	S	10.5

Band	Mode	BWch (MHz)	Nss-Min	Nant	Ch. (MHz)	Range	Power Setting
5.8G	11a	20	1	2	5745	L	25
5.8G	11a	20	1	2	5785	M	25
5.8G	11a	20	1	2	5825	H	25
5.8G	HT20	20	1	2	5745	L	25
5.8G	HT20	20	1	2	5785	M	25
5.8G	HT20	20	1	2	5825	H	25
5.8G	VHT20	20	1	2	5745	L	25
5.8G	VHT20	20	1	2	5785	M	25
5.8G	VHT20	20	1	2	5825	H	25
5.8G	HT40	40	1	2	5755	L	25
5.8G	HT40	40	1	2	5795	H	25
5.8G	VHT40	40	1	2	5755	L	25
5.8G	VHT40	40	1	2	5795	H	25
5.8G	VHT80	80	1	2	5775	S	16

Abbreviation Explanation

Band	Mode	BWch (MHz)	Nss-Min	Nant	Ch. (MHz)	Range	Test Cond.	Abbreviation
5.2G	VHT40	40	1,(M0-9)	2	5190	L	TN,VN	5.2G;VHT40;40;1,(M0-9);2;5190;L;TN,VN
5.2G	VHT80	80	1,(M0-9)	2	5210	S	TN,VN	5.2G;VHT80;80;1,(M0-9);2;5210;S;TN,VN

Note:
- Test range channel consist of L (Low Ch.), M (Middle Ch.), H (High Ch.), S (Single Ch. or Intra- band Ch.) and C (Inter-band Ch.).

2.4 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	Operating Mode Description
1	Adapter Mode

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth, Maximum Conducted Output Power, Peak Power Spectral Density, Frequency Stability
Test Condition	Conducted measurement at transmit chains

The Worst Case Mode for Following Conformance Tests		
Tests Item	Transmitter Bandedge Emissions , Transmitter Unwanted Emissions	
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.	
User Position	☒ EUT will be placed in fixed position.	
	☐ EUT will be placed in mobile position and operating multiple positions.	
	☐ EUT will be a hand-held or body-worn battery-powered devices and operating multiple positions.	
Operating Mode < 1GHz	☒ 1. Adapter Mode	
Orthogonal Planes of EUT	**X Plane**	
Worst Planes of EUT	V	
Orthogonal Planes of EUT	**X Plane**	**Z Plane**
Worst Planes of Ant.		V

2.5 Accessories and Support Equipment

Accessories				
AC Adapter	Brand Name	TP-LINK	Model Name	T120100-2B1
	Power Rating	I/P: 100 - 240Vac, 300mA, O/P: 12Vdc, 1000mA		
	Power Cord	1.5 meter, non-shielded cable, w/o ferrite core		

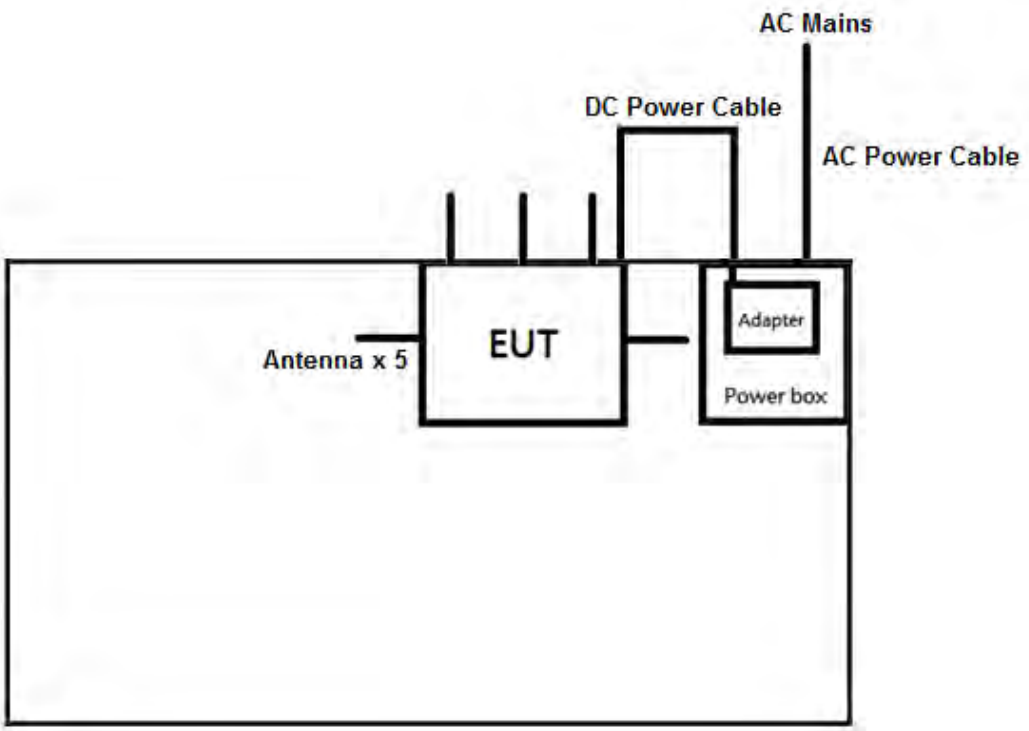
Reminder: Regarding to more detail and other information, please refer to user manual.

Support Equipment – AC Conduction and Radiated Emission			
No.	**Equipment**	**Brand Name**	**Model Name**
1	-	-	-

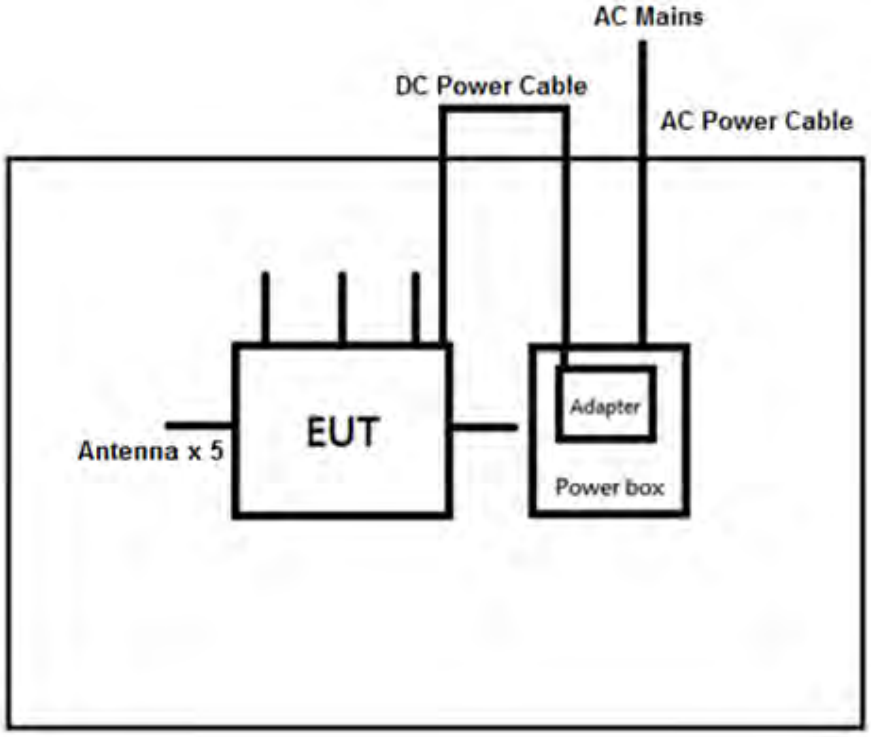
Support Equipment – RF Conducted				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Notebook	DELL	E5540	DoC
2	AC Adapter for Notebook	DELL	HA65NM130	DoC

2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Test Setup Diagram –Radiated Emission Test



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	**Quasi-Peak**	**Average**
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50
Note 1: * Decreases with the logarithm of the frequency.		

3.1.2 Measuring Instruments

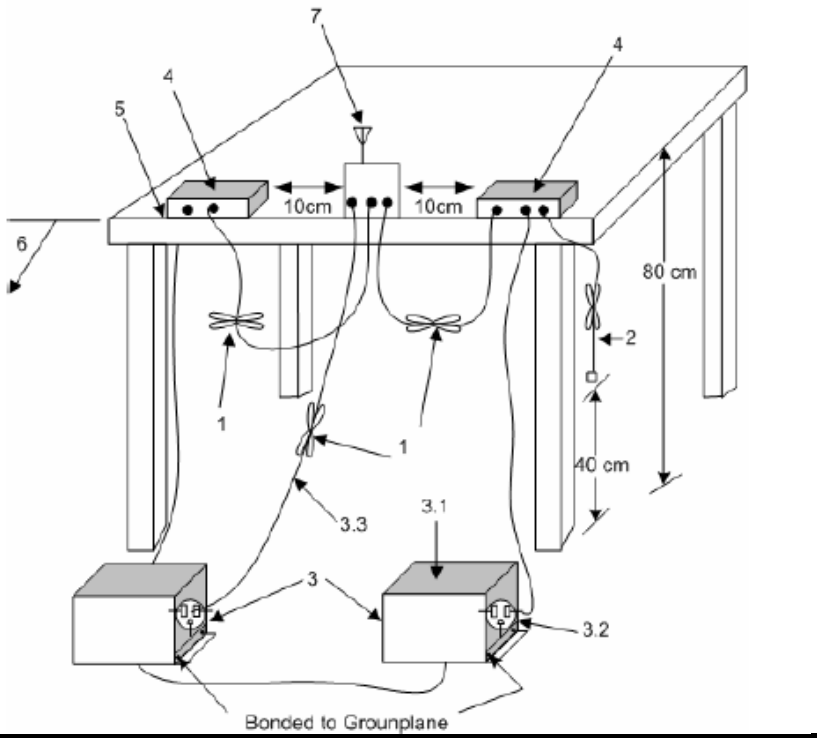
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Test Setup

AC Power-line Conducted Emissions



3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix I

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

Emission Bandwidth Limit	
UNII Devices	
☒	For the 5.15-5.25 GHz band, N/A
☐	For the 5.25-5.35 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
☐	For the 5.47-5.725 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
☒	For the 5.725-5.85 GHz band, 6 dB emission bandwidth ≥ 500kHz.

3.2.2 Measuring Instruments

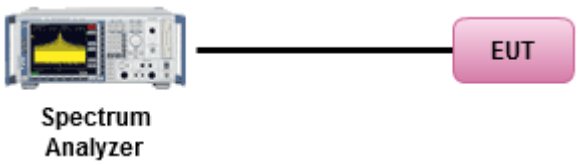
Refer a test equipment and calibration data table in this test report.

3.2.3 Test Procedures

Test Method		
▪	For the emission bandwidth shall be measured using one of the options below:	
	☒	Refer as KDB 789033, clause C for EBW and clause D for OBW measurement.
	☐	Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.
	☐	Refer as IC RSS-Gen, clause 6.6 for bandwidth testing.

3.2.4 Test Setup

Emission Bandwidth



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix A

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
UNII Devices	
▪ For the 5.15-5.25 GHz band:	
	▪ Outdoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6). e.i.r.p. at any elevation angle above 30 degrees ≤ 125mW [21dBm]
	▪ Indoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6)
	▪ Point-to-point AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W If G_{TX} > 23 dBi, then P_{Out} = 30 – (G_{TX} – 23).
	▪ Mobile or Portable Client: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW. If G_{TX} > 6 dBi, then P_{Out} = 24 – (G_{TX} – 6).
▪ For the 5.25-5.35 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If G_{TX} > 6 dBi, then P_{Out} = 24 – (G_{TX} – 6).	
▪ For the 5.47-5.725 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If G_{TX} > 6 dBi, then P_{Out} = 24 – (G_{TX} – 6).	
▪ For the 5.725-5.85 GHz band:	
	▪ Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6).
	▪ Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W.
P_{Out} = maximum conducted output power in dBm, **G_{TX}** = the maximum transmitting antenna directional gain in dBi.	

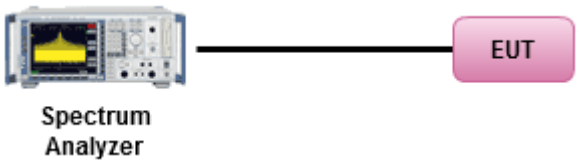
3.3.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

Test Method	
▪ Maximum Conducted Output Power	
	Duty cycle ≥ 98%
	☒ Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).
	Duty cycle < 98%
	☒ Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty factor
	☐ Refer as KDB 789033, clause E Method PM (using an RF average power meter).
▪ For conducted measurement.	
	▪ If the EUT supports multiple transmit chains using options given below: Refer as KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
	▪ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup

RF Output Power (Spectrum Analyzer)


3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix B

3.4 Peak Power Spectral Density

3.4.1 Peak Power Spectral Density Limit

Peak Power Spectral Density Limit	
UNII Devices	
▪ For the 5.15-5.25 GHz band:	
	▪ Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If G_{TX} > 6 dBi, then P_{Out} = 17 – (G_{TX} – 6).
	▪ Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If G_{TX} > 6 dBi, then P_{Out} = 17 – (G_{TX} – 6).
	▪ Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If G_{TX} > 23 dBi, then P_{Out} = 17 – (G_{TX} – 23).
	▪ Mobile or Portable Client: the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If G_{TX} > 6 dBi, then PPSD= 11 – (G_{TX} – 6).
▪ For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If G_{TX} > 6 dBi, then PPSD= 11 – (G_{TX} – 6).	
▪ For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If G_{TX} > 6 dBi, then PPSD= 11 – (G_{TX} – 6).	
▪ For the 5.725-5.85 GHz band:	
	▪ Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If G_{TX} > 6 dBi, then PPSD= 30 – (G_{TX} – 6).
	▪ Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
PPSD = peak power spectral density that he same method as used to determine the conducted output power shall be used to determine the power spectral density. And power spectral density in dBm/MHz **G_{TX}** = the maximum transmitting antenna directional gain in dBi.	

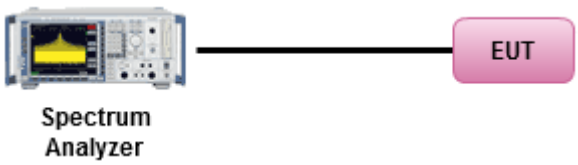
3.4.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.4.3 Test Procedures

Test Method		
▪ Peak power spectral density procedures that the same method as used to determine the conducted output power shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options:		
	☐ Refer as KDB 789033, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth	
	Duty cycle ≥ 98%	
	☒ Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).	
	Duty cycle < 98%	
	☒ Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)	
▪ For conducted measurement.		
	▪ If the EUT supports multiple transmit chains using options given below:	
		☒ Option 1: Measure and sum the spectra across the outputs. Refer as KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the N_{TX} output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
		☐ Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,
		☐ Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.
	▪	If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \ldots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$

3.4.4 Test Setup

Power Spectral Density


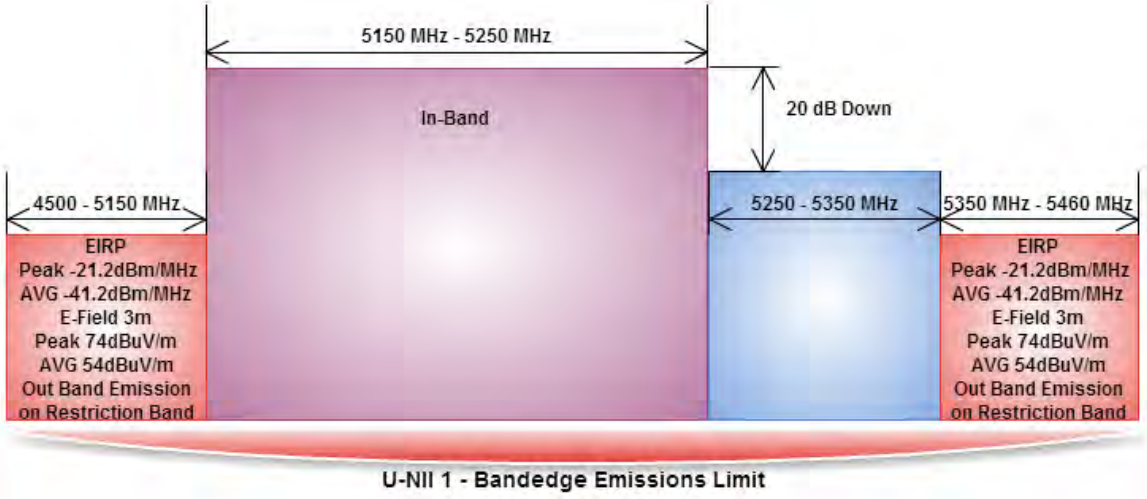
3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix C

3.5 Transmitter Bandedge Emissions

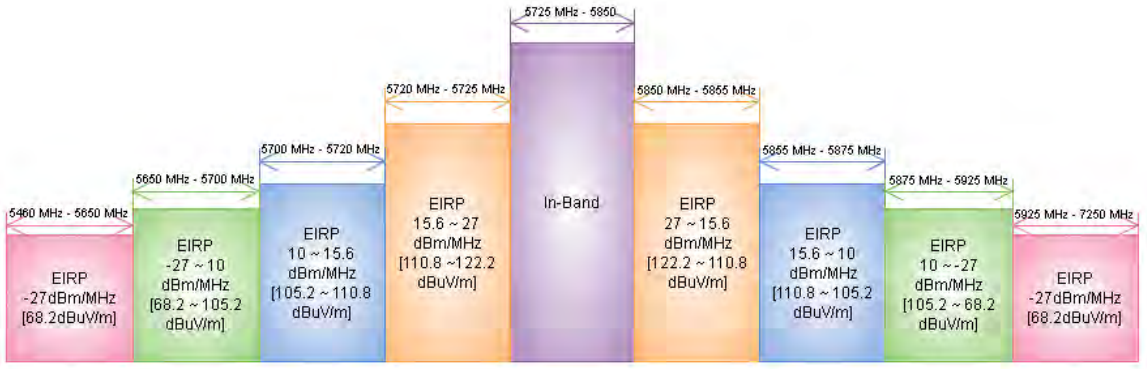
3.5.1 Transmitter Radiated Bandedge Emissions Limit

Transmitter Radiated Bandedge Emissions Limit: 5.15-5.25 GHz band



Refer as KDB 789033, G)2)c) specifying that if a non-restricted-band out-of-band emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm or -17 dBm peak emission limit. Reason for change: to ensure that emission requirements in the non-restricted bands are not more stringent than those in the restricted bands.

Transmitter Radiated Bandedge Emissions Limit for 5.8GHz band: 5.725-5.85 GHz band



Refer as KDB 789033, G)2)c) specifying that if a non-restricted-band out-of-band emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the 27 dBm ~ -27 dBm peak emission limit. Reason for change: to ensure that emission requirements in the non-restricted bands are not more stringent than those in the restricted bands.

3.5.2 Measuring Instruments

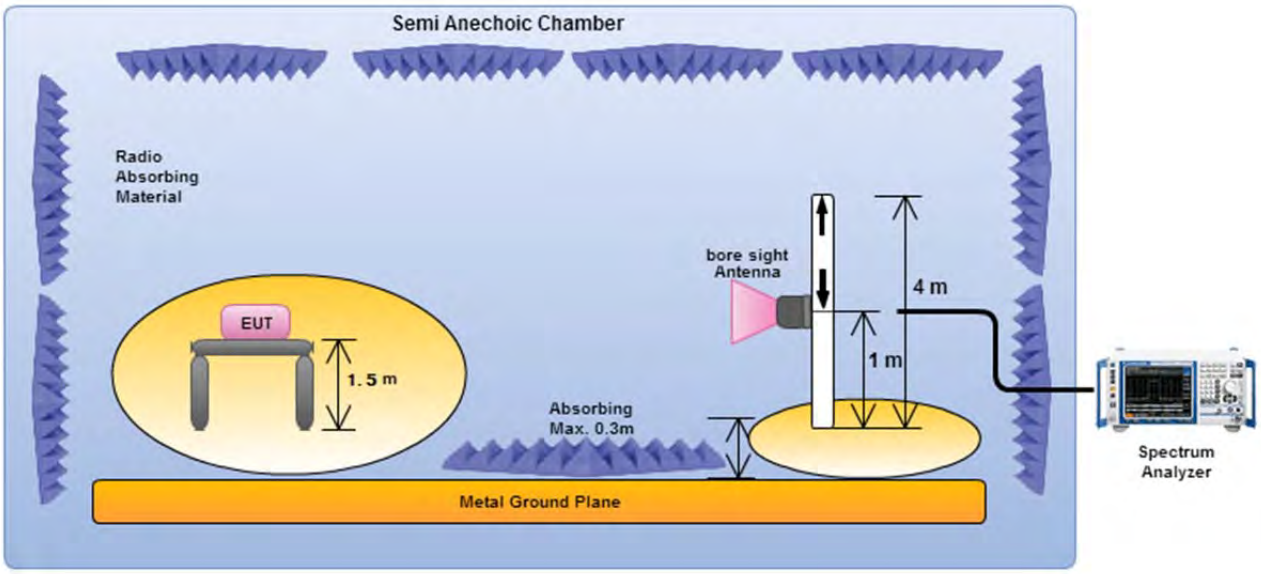
Refer a test equipment and calibration data table in this test report.

3.5.3 Test Procedures

Test Method			
☒	The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].		
☒	Refer as ANSI C63.10, clause 6.10 bandedge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.		
☐	If EUT operate in adjacent contiguous bands, bandedge testing performed at the lowest frequency channel at lower-band and highest frequency channel at higher-band. Transmitter in-band emissions will consist of adjacent contiguous bands (e.g., IEEE 802.11ac VHT160 The lowest frequency channel at lower-band and highest frequency channel at higher-band in-band emissions will consist of two adjacent contiguous bands.)		
	☐	Operating in 5.15-5.25 GHz band (lower-band) and 5.25-5.35 GHz band (higher-band).	
	☐	Operating in 5.47-5.725 GHz band (lower-band) and 5.725-5.85 GHz band (higher-band).	
☐	If EUT operate in individual non-contiguous bands, bandedge testing performed at the lowest frequency channel and highest frequency channel within lower-band and higher-band. (e.g., (e.g., IEEE 802.11ac VHT160)		
	☐	Operating in 5.25-5.35 GHz band (lower-band) and 5.47-5.725 GHz band (higher-band).	
	☐	Operating in 5.15-5.25 GHz band (lower-band) and 5.725-5.85 GHz band (higher-band).	
☒	For the transmitter unwanted emissions shall be measured using following options below:		
	☒	Refer as KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.	
	☒	Refer as KDB 789033, clause G)1) for unwanted emissions into restricted bands.	
		☐	Refer as KDB 789033, G)6) Method AD (Trace Averaging).
		☐	Refer as KDB 789033, G)6) Method VB (Reduced VBW).
		☒	Refer as ANSI C63.10, clause 4.1.4.2.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.
		☐	Refer as ANSI C63.10, clause 4.1.4.2.4 average value of pulsed emissions.
		☒	Refer as KDB 789033, clause G)5) measurement procedure peak limit.
		☐	Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.
☒	For the transmitter bandedge emissions shall be measured using following options below:		
	☐	Refer as KDB 789033, clause G)3)d) for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).	
	☒	Refer as ANSI C63.10, clause 6.10 for band-edge testing.	
	☐	Refer as ANSI C63.10, clause 6.10.6.2 for marker-delta method for band-edge measurements.	
☒	For radiated measurement, refer as ANSI C63.10, clause 6.6. Test distance is 3m.		
☒	Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements). Measurements in the bandedge are typically made at a closer distance 3m, because the instrumentation noise floor is typically close to the radiated emission limit.		

3.5.4 Test Setup

Transmitter Radiated Bandedge Emissions



Electric field tests shall be performed in transmitter bandedge emissions using a calibrated horn antenna.

3.5.5 Transmitter Radiated Bandedge Emissions

Refer as Appendix D

3.6 Transmitter Unwanted Emissions

3.6.1 Transmitter Radiated Unwanted Emissions Limit

Unwanted emissions below 1 GHz and restricted band emissions above 1GHz limit			
Frequency Range (MHz)	**Field Strength (uV/m)**	**Field Strength (dBuV/m)**	**Measure Distance (m)**
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

Un-restricted band emissions above 1GHz Limit	
Operating Band	**Limit**
5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.725 - 5.85 GHz	5.650-5700 GHz: e.i.r.p. -27 ~ 10 dBm [68.2 ~ 105.2 dBuV/m@3m] 5.700-5720 GHz: e.i.r.p. 10 ~ 15.6 dBm [105.2 ~ 110.8 dBuV/m@3m] 5.720-5725 GHz: e.i.r.p. 15.6 ~ 27 dBm [110.8 ~ 122.2 dBuV/m@3m] 5.850-5.855 GHz: e.i.r.p. 27 ~ 15.6 dBm [122.2 ~ 110.8 dBuV/m@3m] 5.855-5.875 GHz: e.i.r.p. 15.6 ~ 10 dBm [110.8 ~ 105.2 dBuV/m@3m] 5.875-5.925 GHz: e.i.r.p. 10 ~ -27 dBm [105.2 ~ 68.2dBuV/m@3m] Other un-restricted band: e.i.r.p. -27 dBm [68.2 dBuV/m@3m]

Note 1: Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

3.6.2 Measuring Instruments

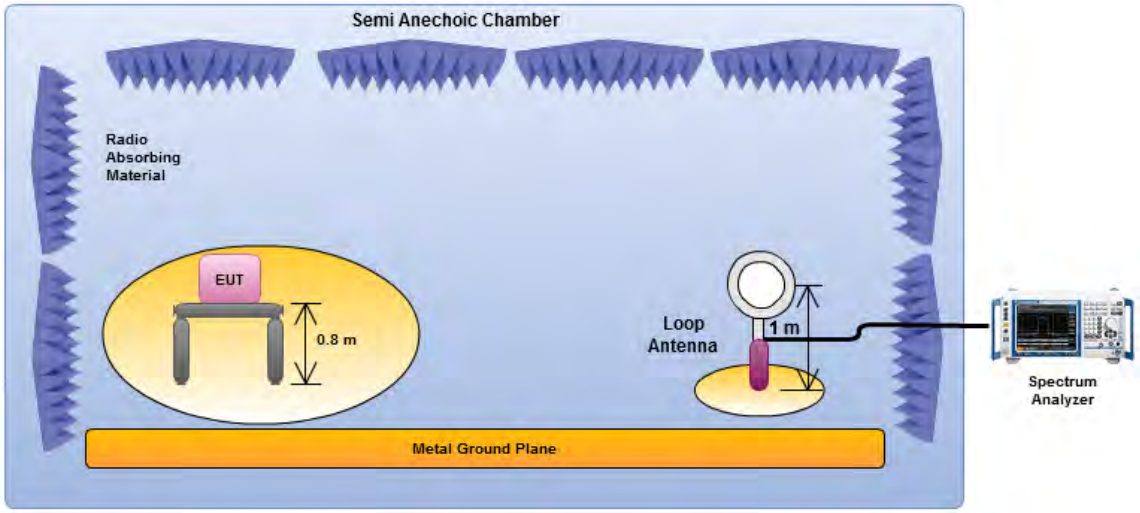
Refer a test equipment and calibration data table in this test report.

3.6.3 Test Procedures

Test Method			
☒	Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).		
☒	The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].		
☒	For the transmitter unwanted emissions shall be measured using following options below:		
	☒	Refer as KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.	
	☒	Refer as KDB 789033, clause G)1) for unwanted emissions into restricted bands.	
		☐	Refer as KDB 789033, G)6) Method AD (Trace Averaging).
		☐	Refer as KDB 789033, G)6) Method VB (Reduced VBW).
		☒	Refer as ANSI C63.10, clause 4.1.4.2.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.
		☐	Refer as ANSI C63.10, clause 4.1.4.2.4 average value of pulsed emissions.
		☒	Refer as KDB 789033, clause G)5) measurement procedure peak limit.
		☐	Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.
☒	For radiated measurement.		
	☒	Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.	
	☒	Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.	
	☒	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz. For 1 GHz to 5 GHz, test distance is 3m; For 5 GHz to 40 GHz, test distance is 3m.	
☒	The any unwanted emissions level shall not exceed the fundamental emission level.		
☒	All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.		

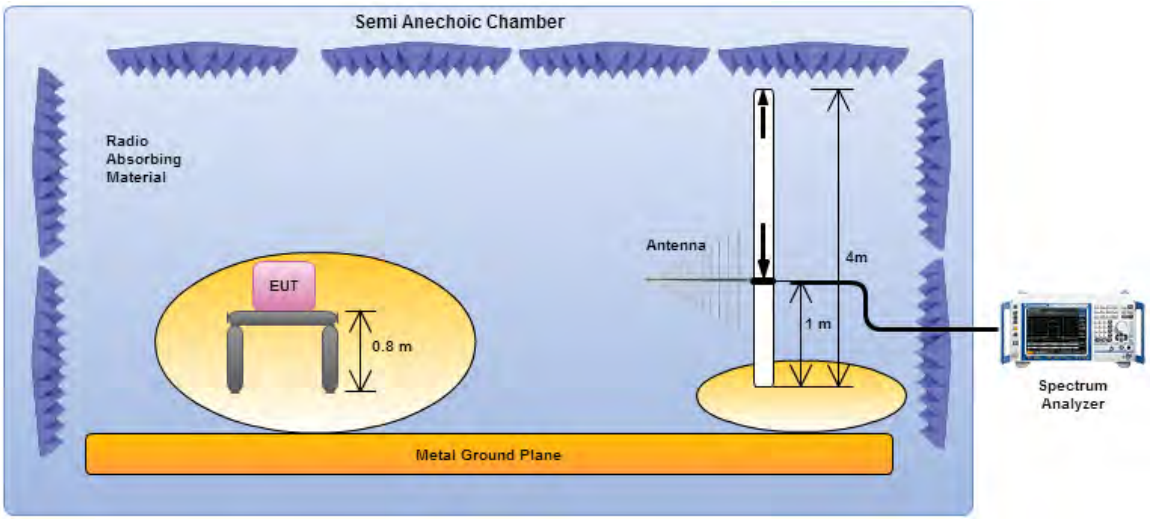
3.6.4 Test Setup

Transmitter Spurious and Out of Band Emissions (9 kHz - 30 MHz)



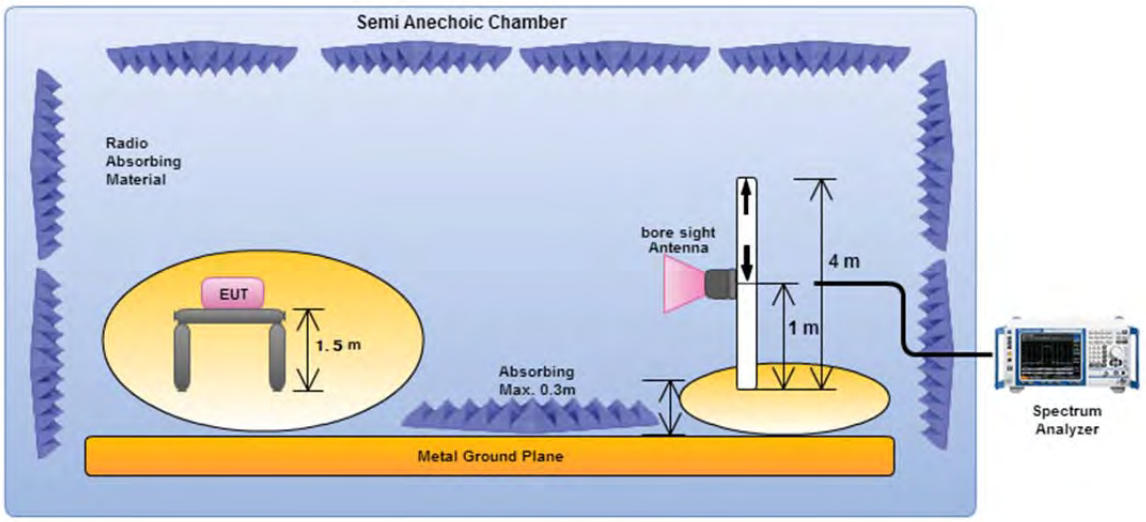
Magnetic field tests shall be performed in the frequency range of 9 kHz to 30 MHz using a calibrated loop antenna.

Transmitter Radiated Unwanted Emissions (below 1GHz)



Electric field tests shall be performed in the frequency range of 30 MHz to 1000 MHz using a calibrated bi-log antenna.

Transmitter Radiated Unwanted Emissions (above 1GHz)



Electric field tests shall be performed in the frequency range of 1 GHz to 10th harmonic of highest fundamental frequency or 40 GHz using a calibrated horn antenna.

3.6.5 Transmitter Radiated Unwanted Emissions-with Antenna (Below 30MHz)

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported. Any spurious which has more than 20 dB of margin compared to the applicable limit is not necessarily reported.

3.6.6 Test Result of Transmitter Radiated Unwanted Emissions

Refer as Appendix E

3.7 Frequency Stability

3.7.1 Frequency Stability Limit

Frequency Stability Limit
UNII Devices
▪ In-band emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.
IEEE Std. 802.11
▪ The transmitter center frequency tolerance shall be ± 20 ppm maximum for the 5 GHz.

3.7.2 Measuring Instruments

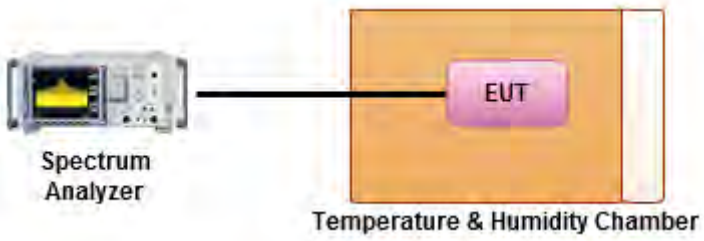
Refer a test equipment and calibration data table in this test report.

3.7.3 Test Procedures

Test Method	
▪ Refer as ANSI C63.10, clause 6.8 for frequency stability tests	
	▪ Frequency stability with respect to ambient temperature
	▪ Frequency stability when varying supply voltage

3.7.4 Test Setup

Frequency Stability



3.7.5 Test Result of Frequency Stability

Refer as Appendix F

4 Test Equipment and Calibration Data

AC Conduction

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date
EMC Receiver	R&S	ESR-3	102051	9kHz~3.6GHz	19/04/2016	18/04/2017
LISN	SCHWARZBECK MESS-ELEKTRONIK	NSLK 8127	8127-477	9kHz~30MHz	26/01/2016	25/01/2017
LISN (Support Unit)	R&S	ENV216	101295	9kHz~30MHz	04/11/2015	03/11/2016
RF Cable-CON	HUBER+SUHNER	RG213/U	07611832020001	9kHz~30MHz	30/10/2015	29/10/2016

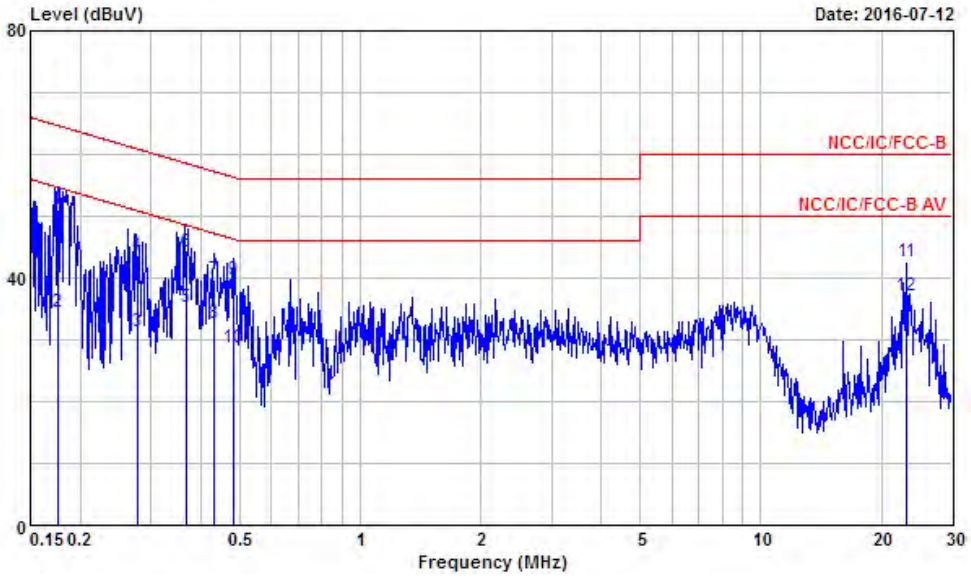
Conducted

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101013	9kHz~40GHz	16/02/2016	15/02/ 2017
Power Sensor	Anritsu	MA2411B	1027452	300MHz~40GHz	22/02/2016	21/02/2017
Power Meter	Anritsu	ML2495A	1124009	300MHz~40GHz	22/02/2016	21/02/2017
Signal Generator	R&S	SMR40	100116	10MHz~40GHz	21/07/2016	20/07/2017
Temp. and Humidity Chamber	Giant Force	GTH-225-20-SP-SD	MAA1112-007	-20~100℃	25/04/2016	24/04/2017
AC Power Source	G.W	APS-9102	EL920581	AC 0V~300V	04/07/2016	03/07/2017

Radiated

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	30MHz~1GHz 3m	25/04/2016	24/04/2017
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz~18GHz 3m	30/06/2016	29/06/2017
Amplifier	EMC	EMC9135	980232	9kHz~1.0GHz	29/01/2016	28/01/2017
Amplifier	Agilent	8449B	3008A02096	1GHz~26.5GHz	11/04/2016	10/04/2017
Spectrum	KEYSIGHT	N9010A	MY54200885	10Hz~44GHz	04/07/2016	03/07/2017
Bilog Antenna & 5dB Attenuator	TESEQ & MTJ	CBL 6111D & MTJ6102	35418	30MHz~1GHz	31/03/2016	30/03/2017
Horn Antenna	SCHWARZBECK	BBHA 9120D	BBHA 9120D 1534	1GHz~18GHz	22/04/2016	21/04/2017
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170614	18GHz~40GHz	04/01/2016	03/01/2017
Amplifier	MITEQ	JS44-18004000-33-8P	1840917	18GHz~40GHz	02/06/2015	01/06/2017
Loop Antenna	ROHDE&SCHWARZ	HFH2-Z2	100330	9kHz~30MHz	10/11/2014	09/11/2016

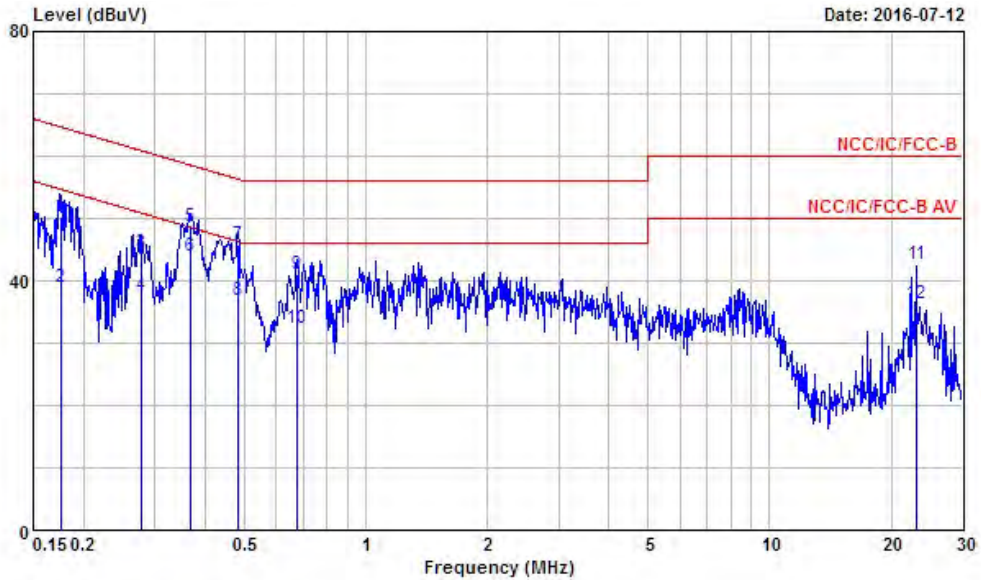
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	Adapter Mode		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.1758420	50.93	-13.75	64.68	50.56	0.11	0.26	QP
2	0.1758420	34.45	-20.23	54.68	34.08	0.11	0.26	Average
3	0.2770270	31.33	-19.57	50.90	31.01	0.11	0.21	Average
4	0.2770270	43.76	-17.14	60.90	43.44	0.11	0.21	QP
5	0.3663820	35.30	-13.28	48.58	35.05	0.12	0.13	Average
6	0.3663820	44.23	-14.35	58.58	43.98	0.12	0.13	QP
7	0.4318100	39.84	-17.38	57.22	39.62	0.12	0.10	QP
8	0.4318100	32.53	-14.69	47.22	32.31	0.12	0.10	Average
9	0.4821910	39.71	-16.59	56.30	39.49	0.12	0.10	QP
10	0.4821910	28.79	-17.51	46.30	28.57	0.12	0.10	Average
11	23.128	42.68	-17.32	60.00	42.07	0.41	0.20	QP
12	23.128	37.01	-12.99	50.00	36.40	0.41	0.20	Average

Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Line
Operating Function	Adapter Mode		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.1759880	50.30	-14.37	64.67	49.93	0.11	0.26	QP
2	0.1759880	38.94	-15.73	54.67	38.57	0.11	0.26	Average
3	0.2768730	44.40	-16.51	60.91	44.08	0.11	0.21	QP
4	0.2768730	37.51	-13.40	50.91	37.19	0.11	0.21	Average
5	0.3673120	48.72	-9.84	58.56	48.47	0.12	0.13	QP
6	0.3673120	44.07	-4.49	48.56	43.82	0.12	0.13	Average
7	0.4811910	45.71	-10.61	56.32	45.49	0.12	0.10	QP
8	0.4811910	36.90	-9.42	46.32	36.68	0.12	0.10	Average
9	0.6754350	41.17	-14.83	56.00	40.94	0.13	0.10	QP
10	0.6754350	32.25	-13.75	46.00	32.02	0.13	0.10	Average
11	23.130	42.70	-17.30	60.00	42.14	0.36	0.20	QP
12	23.130	36.35	-13.65	50.00	35.79	0.36	0.20	Average

Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

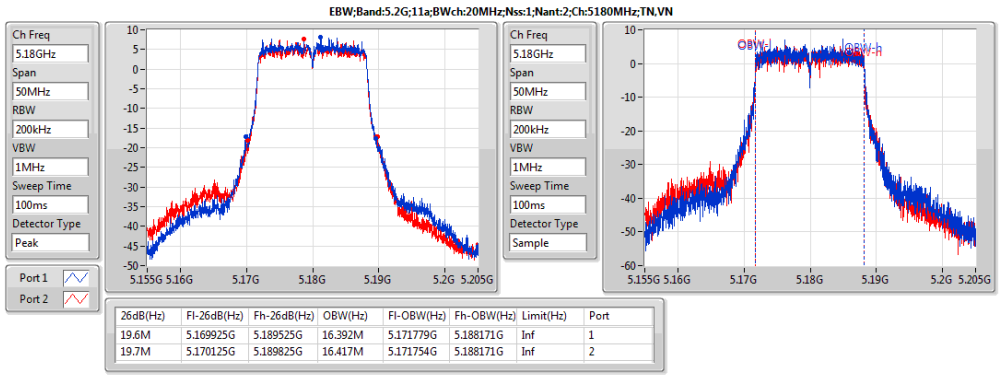
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.2G;11a;20;1;2	39.825M	19.765M	19M8D1D	19.6M	16.392M
5.2G;VHT20;20;1,(M0-8);2	38.725M	18.816M	18M8D1D	20.825M	17.641M
5.2G;VHT40;40;1,(M0-9);2	63.65M	36.382M	36M4D1D	39.9M	35.982M
5.2G;VHT80;80;1,(M0-9);2	83.7M	75.962M	76M0D1D	83.1M	75.762M
5.8G;11a;20;1;2	16.325M	30.135M	30M1D1D	15.9M	27.761M
5.8G;VHT20;20;1,(M0-8);2	17.575M	28.786M	28M8D1D	17.15M	27.236M
5.8G;VHT40;40;1,(M0-9);2	35.9M	53.723M	53M7D1D	31.3M	50.725M
5.8G;VHT80;80;1,(M0-9);2	76.1M	75.862M	75M9D1D	75.8M	75.862M

Result

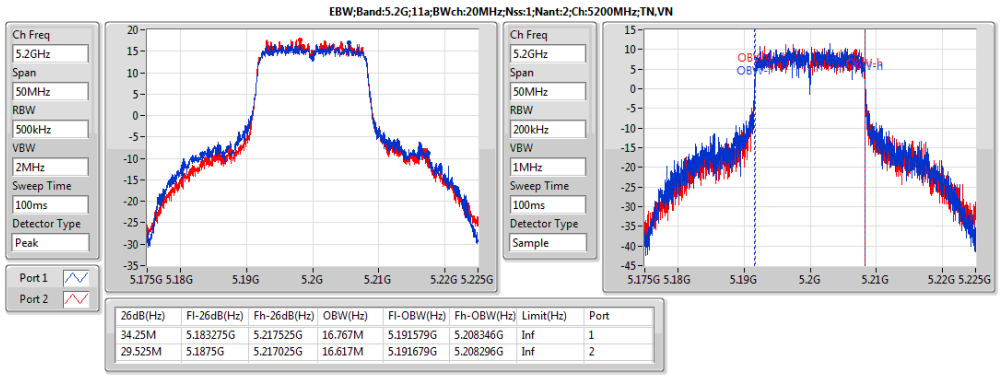
Mode	Result	Limit	P1-N dB (Hz)	P1-OBW (Hz)	P2-N dB (Hz)	P2-OBW (Hz)
5.2G;11a;20;1;2;5180;L;TN,VN	Pass	Inf	19.6M	16.392M	19.7M	16.417M
5.2G;11a;20;1;2;5200;M;TN,VN	Pass	Inf	34.25M	16.767M	29.525M	16.617M
5.2G;11a;20;1;2;5240;H;TN,VN	Pass	Inf	39.825M	19.765M	37.65M	18.491M
5.2G;VHT20;20;1,(M0-8);2;5180;L;TN,VN	Pass	Inf	20.825M	17.641M	20.925M	17.641M
5.2G;VHT20;20;1,(M0-8);2;5200;M;TN,VN	Pass	Inf	36.775M	17.866M	33.65M	17.841M
5.2G;VHT20;20;1,(M0-8);2;5240;H;TN,VN	Pass	Inf	38.725M	18.816M	38.525M	18.341M
5.2G;VHT40;40;1,(M0-9);2;5190;L;TN,VN	Pass	Inf	39.9M	35.982M	39.95M	36.032M
5.2G;VHT40;40;1,(M0-9);2;5230;H;TN,VN	Pass	Inf	63.65M	36.382M	61.9M	36.282M
5.2G;VHT80;80;1,(M0-9);2;5210;S;TN,VN	Pass	Inf	83.7M	75.962M	83.1M	75.762M
5.8G;11a;20;1;2;5745;L;TN,VN	Pass	500k	16.3M	29.685M	16.325M	30.135M
5.8G;11a;20;1;2;5785;M;TN,VN	Pass	500k	16.275M	29.11M	16.325M	28.086M
5.8G;11a;20;1;2;5825;H;TN,VN	Pass	500k	15.9M	28.236M	16.275M	27.761M
5.8G;VHT20;20;1,(M0-8);2;5745;L;TN,VN	Pass	500k	17.5M	28.786M	17.55M	28.786M
5.8G;VHT20;20;1,(M0-8);2;5785;M;TN,VN	Pass	500k	17.575M	28.111M	17.15M	27.386M
5.8G;VHT20;20;1,(M0-8);2;5825;H;TN,VN	Pass	500k	17.5M	28.686M	17.575M	27.236M
5.8G;VHT40;40;1,(M0-9);2;5755;L;TN,VN	Pass	500k	35.9M	53.723M	35.05M	52.424M
5.8G;VHT40;40;1,(M0-9);2;5795;H;TN,VN	Pass	500k	33.8M	53.723M	31.3M	50.725M
5.8G;VHT80;80;1,(M0-9);2;5775;S;TN,VN	Pass	500k	75.8M	75.862M	76.1M	75.862M

EBW;Band:5.2G;11a;BWch:20MHz;Nss:1;Nant:2;Ch:5180MHz;TN,VN



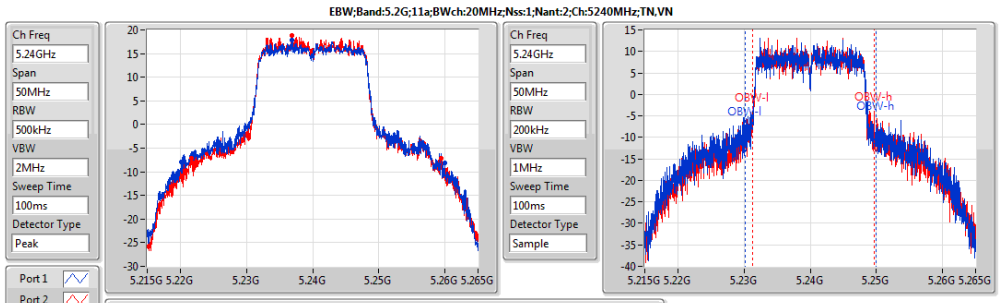
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.6M	5.169925G	5.189525G	16.392M	5.171779G	5.188171G	Inf	1
19.7M	5.170125G	5.189825G	16.417M	5.171754G	5.188171G	Inf	2

EBW;Band:5.2G;11a;BWch:20MHz;Nss:1;Nant:2;Ch:5200MHz;TN,VN



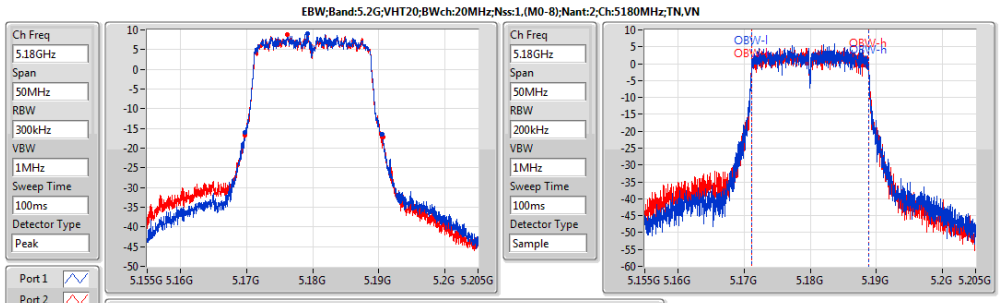
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.25M	5.183275G	5.217525G	16.767M	5.191579G	5.208346G	Inf	1
29.525M	5.1875G	5.217025G	16.617M	5.191679G	5.208296G	Inf	2

EBW;Band:5.2G;11a;BWch:20MHz;Nss:1;Nant:2;Ch:5240MHz;TN,VN



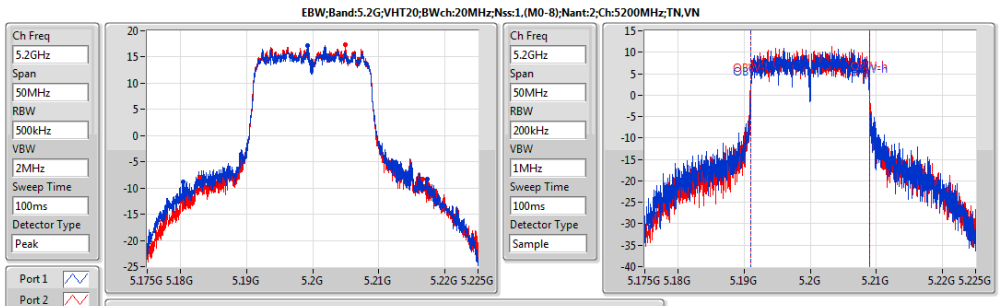
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.825M	5.2202G	5.260025G	19.765M	5.23018G	5.249945G	Inf	1
37.65M	5.22175G	5.2594G	18.491M	5.231229G	5.24972G	Inf	2

EBW;Band:5.2G;VHT20;BWch:20MHz;Nss:1,(M0-8);Nant:2;Ch:5180MHz;TN,VN



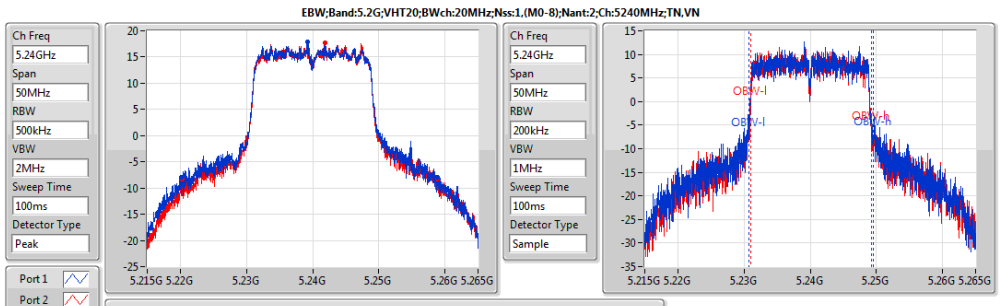
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.825M	5.16975G	5.190575G	17.641M	5.171154G	5.188796G	Inf	1
20.925M	5.1697G	5.190625G	17.641M	5.171154G	5.188796G	Inf	2

EBW;Band:5.2G;VHT20;BWch:20MHz;Nss:1,(M0-8);Nant:2;Ch:5200MHz;TN,VN



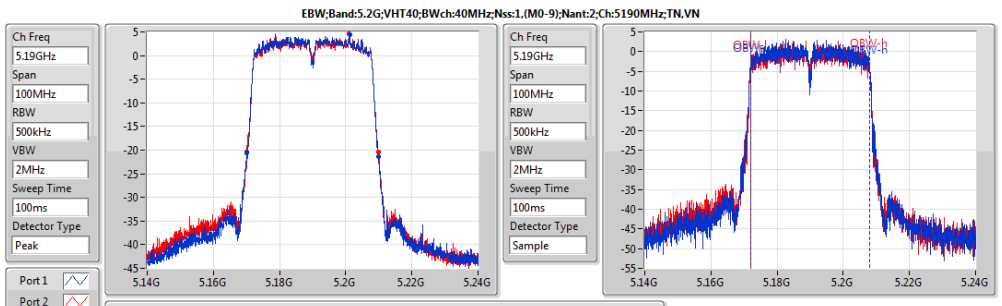
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.775M	5.1805G	5.217275G	17.866M	5.191054G	5.208921G	Inf	1
33.65M	5.182975G	5.216625G	17.841M	5.191079G	5.208921G	Inf	2

EBW;Band:5.2G;VHT20;BWch:20MHz;Nss:1,(M0-8);Nant:2;Ch:5240MHz;TN,VN



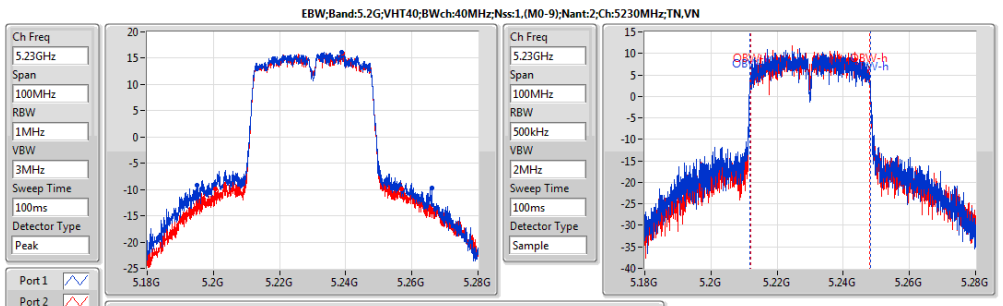
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
38.725M	5.22015G	5.258875G	18.816M	5.230755G	5.24957G	Inf	1
38.525M	5.2203G	5.258825G	18.341M	5.23098G	5.24932G	Inf	2

EBW;Band:5.2G;VHT40;BWch:40MHz;Nss:1,(M0-9);Nant:2;Ch:5190MHz;TN,VN



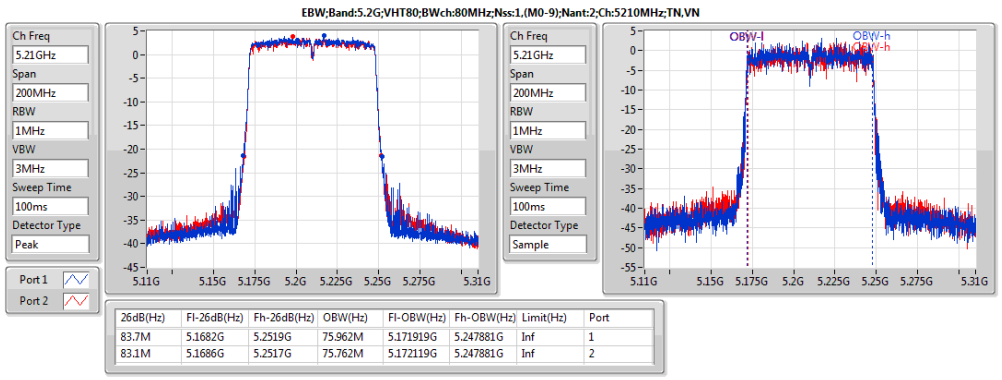
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.9M	5.1701G	5.21G	35.982M	5.171959G	5.207941G	Inf	1
39.95M	5.17G	5.20995G	36.032M	5.171959G	5.207991G	Inf	2

EBW;Band:5.2G;VHT40;BWch:40MHz;Nss:1,(M0-9);Nant:2;Ch:5230MHz;TN,VN



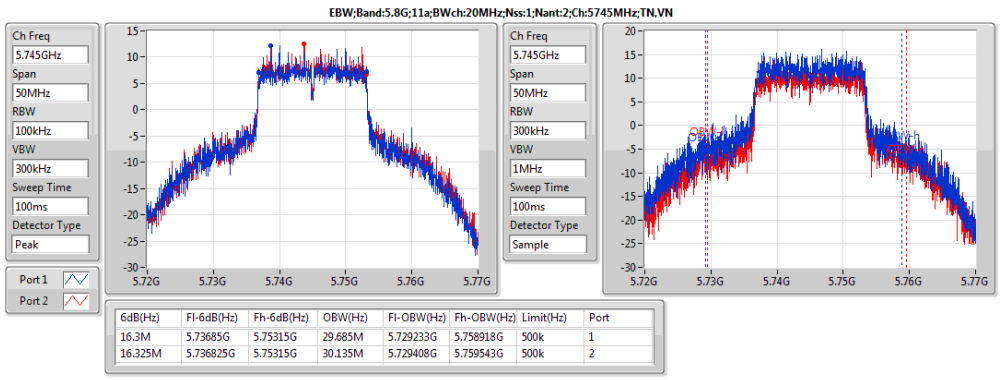
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
70.85M	5.1951G	5.26595G	36.282M	5.211859G	5.248141G	Inf	1
56.1M	5.2007G	5.2568G	36.132M	5.211909G	5.248041G	Inf	2

EBW;Band:5.2G;VHT80;BWch:80MHz;Nss:1,(M0-9);Nant:2;Ch:5210MHz;TN,VN



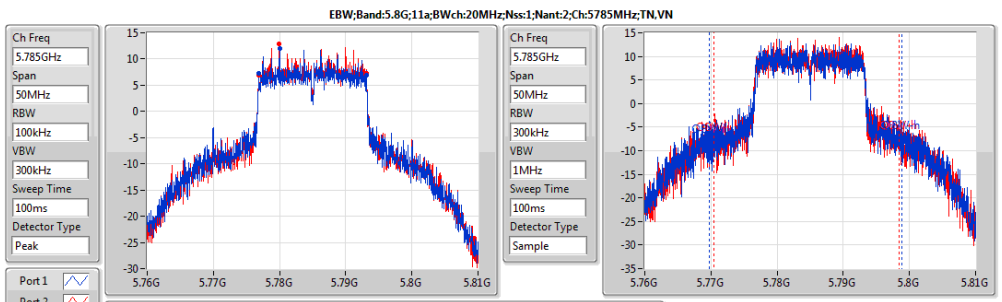
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.7M	5.1682G	5.2519G	75.962M	5.171919G	5.247881G	Inf	1
83.1M	5.1686G	5.2517G	75.762M	5.172119G	5.247881G	Inf	2

EBW;Band:5.8G;11a;BWch:20MHz;Nss:1;Nant:2;Ch:5745MHz;TN,VN



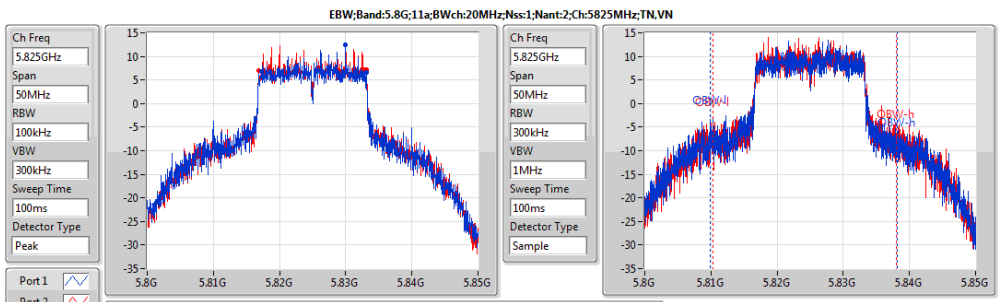
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.3M	5.73685G	5.75315G	29.685M	5.729233G	5.758918G	500k	1
16.325M	5.736825G	5.75315G	30.135M	5.729408G	5.759543G	500k	2

EBW;Band:5.8G;11a;BWch:20MHz;Nss:1;Nant:2;Ch:5785MHz;TN,VN



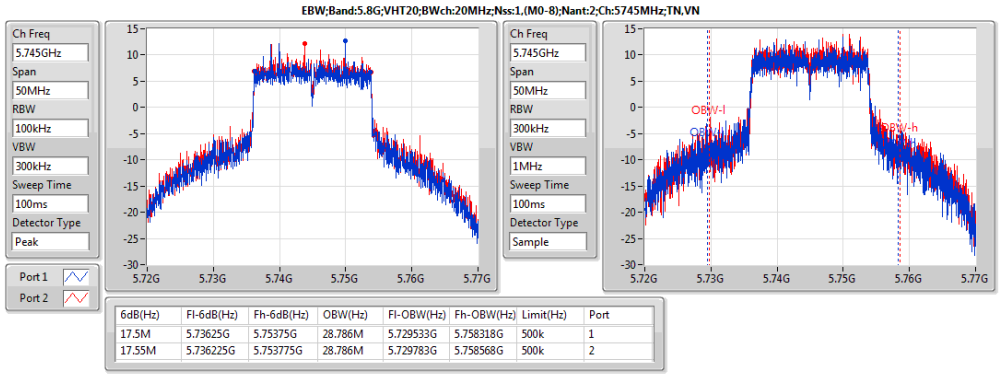
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.275M	5.77685G	5.793125G	29.11M	5.769758G	5.798868G	500k	1
16.325M	5.776825G	5.79315G	28.086M	5.770382G	5.798468G	500k	2

EBW;Band:5.8G;11a;BWch:20MHz;Nss:1;Nant:2;Ch:5825MHz;TN,VN



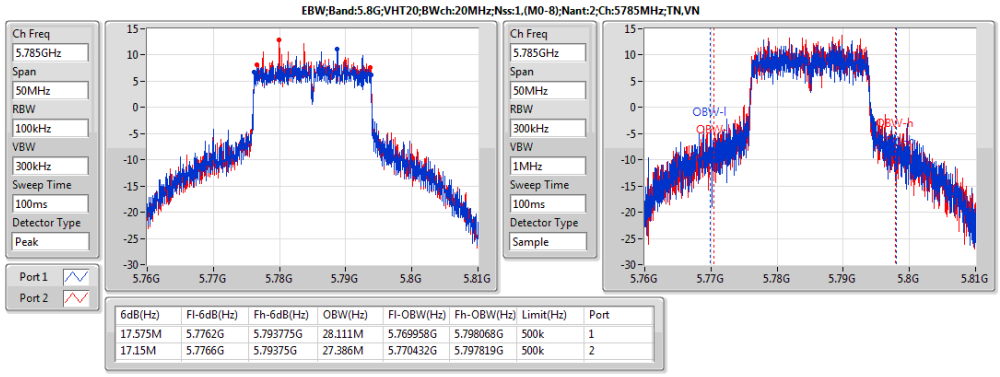
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.9M	5.81725G	5.83315G	28.236M	5.809908G	5.838143G	500k	1
16.275M	5.81685G	5.833125G	27.761M	5.810282G	5.838043G	500k	2

EBW;Band:5.8G;VHT20;BWch:20MHz;Nss:1,(M0-8);Nant:2;Ch:5745MHz;TN,VN



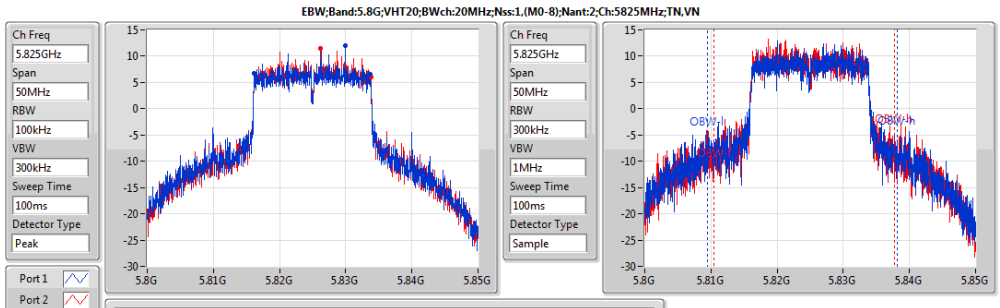
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.5M	5.73625G	5.75375G	28.786M	5.729533G	5.758318G	500k	1
17.55M	5.736225G	5.753775G	28.786M	5.729783G	5.758568G	500k	2

EBW;Band:5.8G;VHT20;BWch:20MHz;Nss:1,(M0-8);Nant:2;Ch:5785MHz;TN,VN



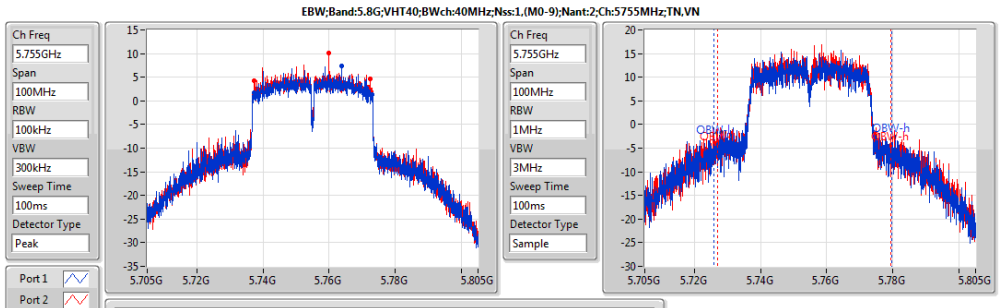
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	5.7762G	5.793775G	28.111M	5.769958G	5.798068G	500k	1
17.15M	5.7766G	5.79375G	27.386M	5.770432G	5.797819G	500k	2

EBW;Band:5.8G;VHT20;BWch:20MHz;Nss:1,(M0-8);Nant:2;Ch:5825MHz;TN,VN



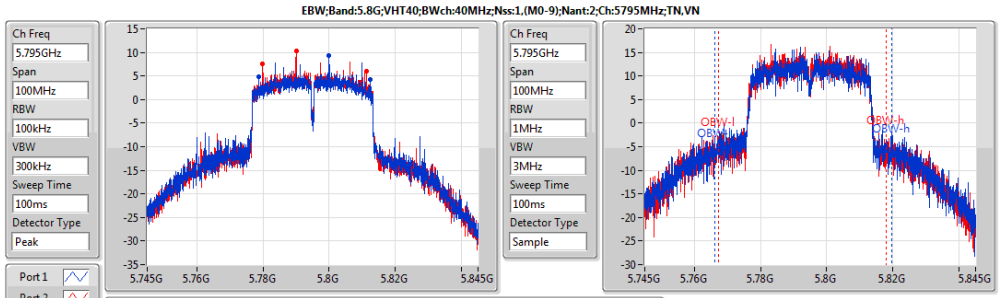
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.5M	5.816225G	5.833725G	28.686M	5.809433G	5.838118G	500k	1
17.575M	5.8162G	5.833775G	27.236M	5.810482G	5.837719G	500k	2

EBW;Band:5.8G;VHT40;BWch:40MHz;Nss:1,(M0-9);Nant:2;Ch:5755MHz;TN,VN



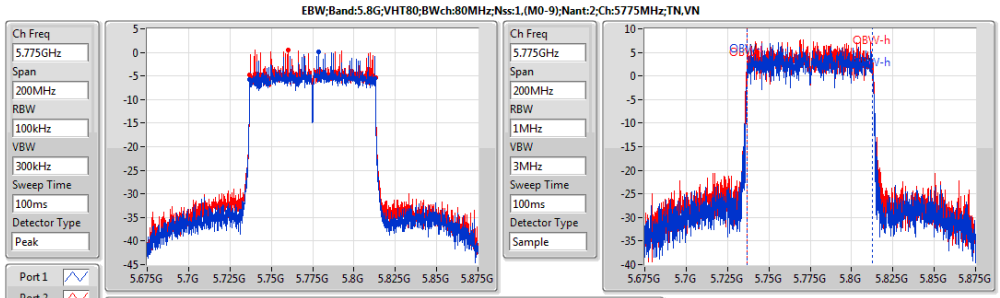
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.9M	5.7372G	5.7731G	53.723M	5.726014G	5.779738G	500k	1
35.05M	5.73745G	5.7725G	52.424M	5.726964G	5.779388G	500k	2

EBW;Band:5.8G;VHT40;BWch:40MHz;Nss:1,(M0-9);Nant:2;Ch:5795MHz;TN,VN



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.8M	5.7787G	5.8125G	53.723M	5.766064G	5.819788G	500k	1
31.3M	5.77995G	5.81125G	50.725M	5.767264G	5.817989G	500k	2

EBW;Band:5.8G;VHT80;BWch:80MHz;Nss:1,(M0-9);Nant:2;Ch:5775MHz;TN,VN



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.8M	5.7369G	5.8127G	75.862M	5.737019G	5.812881G	500k	1
76.1M	5.7368G	5.8129G	75.862M	5.736919G	5.812781G	500k	2

Summary

Mode	Sum (dBm)	Sum (W)	EIRP (dBm)	EIRP (W)
5.2G;11a;20;1;2	26.19	0.41591	28.77	0.75336
5.2G;HT20;20;1,(M0-15);2	25.96	0.39446	28.54	0.7145
5.2G;HT40;40;1,(M0-15);2	25.08	0.32211	27.66	0.58345
5.2G;VHT20;20;1,(M0-8);2	26.07	0.40458	28.65	0.73282
5.2G;VHT40;40;1,(M0-9);2	25.11	0.32434	27.69	0.58749
5.2G;VHT80;80;1,(M0-9);2	15.39	0.03459	17.97	0.06266
5.8G;11a;20;1;2	25.78	0.37844	29.14	0.82035
5.8G;HT20;20;1,(M0-15);2	25.31	0.33963	28.67	0.73621
5.8G;HT40;40;1,(M0-15);2	24.97	0.31405	28.33	0.68077
5.8G;VHT20;20;1,(M0-8);2	25.41	0.34754	28.77	0.75336
5.8G;VHT40;40;1,(M0-9);2	25.14	0.32659	28.50	0.70795
5.8G;VHT80;80;1,(M0-9);2	20.10	0.10233	23.46	0.22182

Result

Mode	Result	DG (dBi)	EIRP (dBm)	EIRP Lim. (dBm)	Sum (dBm)	Sum Lim. (dBm)	P1 (dBm)	P2 (dBm)
5.2G;11a;20;1;2;5180;L;TN,VN	Pass	2.58	23.03	36.00	20.45	30.00	17.39	17.49
5.2G;11a;20;1;2;5200;M;TN,VN	Pass	2.58	27.88	36.00	25.30	30.00	22.36	22.22
5.2G;11a;20;1;2;5240;H;TN,VN	Pass	2.58	28.77	36.00	26.19	30.00	23.25	23.10
5.2G;HT20;20;1,(M0-15);2;5180;L;TN,VN	Pass	2.58	22.71	36.00	20.13	30.00	17.24	16.99
5.2G;HT20;20;1,(M0-15);2;5200;M;TN,VN	Pass	2.58	28.11	36.00	25.53	30.00	22.29	22.73
5.2G;HT20;20;1,(M0-15);2;5240;H;TN,VN	Pass	2.58	28.54	36.00	25.96	30.00	22.82	23.07
5.2G;HT40;40;1,(M0-15);2;5190;L;TN,VN	Pass	2.58	18.74	36.00	16.16	30.00	12.90	13.39
5.2G;HT40;40;1,(M0-15);2;5230;H;TN,VN	Pass	2.58	27.66	36.00	25.08	30.00	22.03	22.11
5.2G;VHT20;20;1,(M0-8);2;5180;L;TN,VN	Pass	2.58	22.84	36.00	20.26	30.00	17.26	17.24
5.2G;VHT20;20;1,(M0-8);2;5200;M;TN,VN	Pass	2.58	28.16	36.00	25.58	30.00	22.58	22.56
5.2G;VHT20;20;1,(M0-8);2;5240;H;TN,VN	Pass	2.58	28.65	36.00	26.07	30.00	23.12	22.99
5.2G;VHT40;40;1,(M0-9);2;5190;L;TN,VN	Pass	2.58	18.89	36.00	16.31	30.00	13.44	13.15
5.2G;VHT40;40;1,(M0-9);2;5230;H;TN,VN	Pass	2.58	27.69	36.00	25.11	30.00	22.24	21.96
5.2G;VHT80;80;1,(M0-9);2;5210;S;TN,VN	Pass	2.58	17.97	36.00	15.39	30.00	12.58	12.18
5.8G;11a;20;1;2;5745;L;TN,VN	Pass	3.36	29.14	36.00	25.78	30.00	22.48	23.04
5.8G;11a;20;1;2;5785;M;TN,VN	Pass	3.36	28.85	36.00	25.49	30.00	22.20	22.74
5.8G;11a;20;1;2;5825;H;TN,VN	Pass	3.36	28.48	36.00	25.12	30.00	21.77	22.43
5.8G;HT20;20;1,(M0-15);2;5745;L;TN,VN	Pass	3.36	28.67	36.00	25.31	30.00	21.91	22.65
5.8G;HT20;20;1,(M0-15);2;5785;M;TN,VN	Pass	3.36	28.58	36.00	25.22	30.00	21.80	22.59
5.8G;HT20;20;1,(M0-15);2;5825;H;TN,VN	Pass	3.36	28.37	36.00	25.01	30.00	21.60	22.37
5.8G;HT40;40;1,(M0-15);2;5755;L;TN,VN	Pass	3.36	28.26	36.00	24.90	30.00	21.54	22.22
5.8G;HT40;40;1,(M0-15);2;5795;H;TN,VN	Pass	3.36	28.33	36.00	24.97	30.00	21.62	22.28
5.8G;VHT20;20;1,(M0-8);2;5745;L;TN,VN	Pass	3.36	28.69	36.00	25.33	30.00	21.91	22.70
5.8G;VHT20;20;1,(M0-8);2;5785;M;TN,VN	Pass	3.36	28.77	36.00	25.41	30.00	22.12	22.66
5.8G;VHT20;20;1,(M0-8);2;5825;H;TN,VN	Pass	3.36	28.55	36.00	25.19	30.00	21.80	22.52
5.8G;VHT40;40;1,(M0-9);2;5755;L;TN,VN	Pass	3.36	28.45	36.00	25.09	30.00	21.86	22.29
5.8G;VHT40;40;1,(M0-9);2;5795;H;TN,VN	Pass	3.36	28.50	36.00	25.14	30.00	21.89	22.35
5.8G;VHT80;80;1,(M0-9);2;5775;S;TN,VN	Pass	3.36	23.46	36.00	20.10	30.00	16.64	17.49

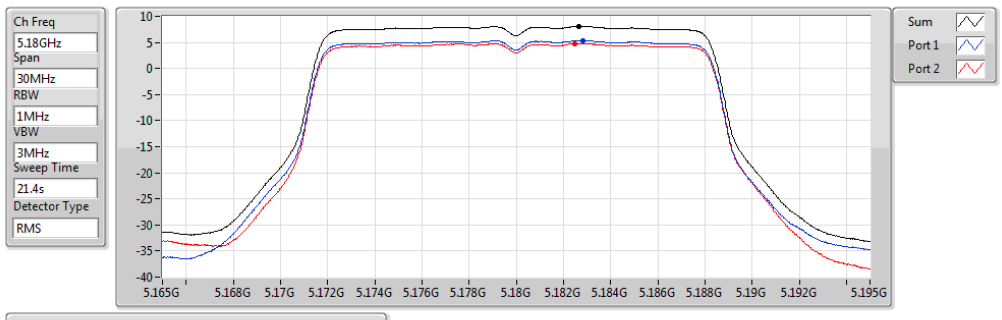
Summary

Mode	PD (dBm/RBW)	EIRP.PD (dBm/RBW)
5.2G;11a;20;1;2	13.50	19.04
5.2G;VHT20;20;1,(M0-8);2	13.47	19.01
5.2G;VHT40;40;1,(M0-9);2	9.39	14.93
5.2G;VHT80;80;1,(M0-9);2	-3.64	1.90
5.8G;11a;20;1;2	11.52	17.83
5.8G;VHT20;20;1,(M0-8);2	11.27	17.58
5.8G;VHT40;40;1,(M0-9);2	7.83	14.14
5.8G;VHT80;80;1,(M0-9);2	-0.31	6.00

Result

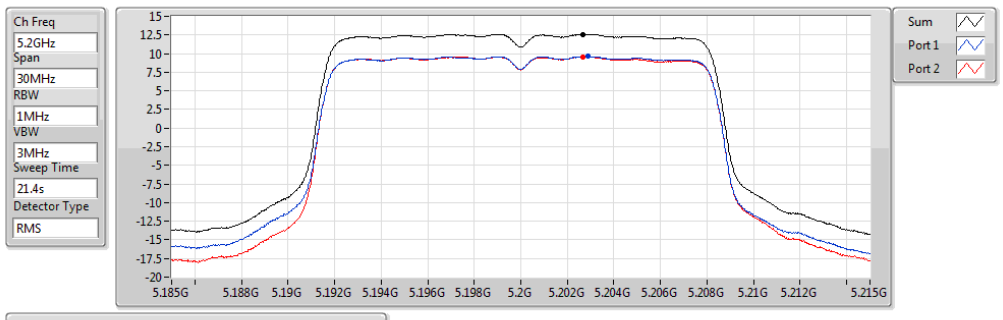
Mode	Result	Meas.RBW (Hz)	Lim.RBW (Hz)	BWCF (dB)	DG (dBi)	Sum.Max (dBm/RBW)	PD (dBm/RBW)	PD.Limit (dBm/RBW)	EIRP.PD (dBm/RBW)	EIRP.PD.Lim (dBm/RBW)	P1 (dBm/RBW)	P2 (dBm/RBW)
5.2G;11a;20;1;2;5180;L;TN,VN	Pass	1M	1M	0.00	5.54	8.05	8.05	17.00	13.59	Inf	5.33	4.75
5.2G;11a;20;1;2;5200;M;TN,VN	Pass	1M	1M	0.00	5.54	12.59	12.59	17.00	18.13	Inf	9.62	9.59
5.2G;11a;20;1;2;5240;H;TN,VN	Pass	1M	1M	0.00	5.54	13.50	13.50	17.00	19.04	Inf	10.57	10.42
5.2G;VHT20;20;1,(M0-8);2;5180;L;TN,VN	Pass	1M	1M	0.00	5.54	8.00	8.00	17.00	13.54	Inf	5.25	5.30
5.2G;VHT20;20;1,(M0-8);2;5200;M;TN,VN	Pass	1M	1M	0.00	5.54	12.92	12.92	17.00	18.46	Inf	10.13	10.10
5.2G;VHT20;20;1,(M0-8);2;5240;H;TN,VN	Pass	1M	1M	0.00	5.54	13.47	13.47	17.00	19.01	Inf	10.88	10.64
5.2G;VHT40;40;1,(M0-9);2;5190;L;TN,VN	Pass	1M	1M	0.00	5.54	0.45	0.45	17.00	5.99	Inf	-2.42	-2.68
5.2G;VHT40;40;1,(M0-9);2;5230;H;TN,VN	Pass	1M	1M	0.00	5.54	9.39	9.39	17.00	14.93	Inf	6.52	6.24
5.2G;VHT80;80;1,(M0-9);2;5210;S;TN,VN	Pass	1M	1M	0.00	5.54	-3.64	-3.64	17.00	1.90	Inf	-6.46	-6.85
5.8G;11a;20;1;2;5745;L;TN,VN	Pass	500k	500k	0.00	6.31	11.52	11.52	29.69	17.83	35.69	8.26	8.80
5.8G;11a;20;1;2;5785;M;TN,VN	Pass	500k	500k	0.00	6.31	11.32	11.32	29.69	17.63	35.69	8.02	8.58
5.8G;11a;20;1;2;5825;H;TN,VN	Pass	500k	500k	0.00	6.31	10.86	10.86	29.69	17.17	35.69	7.51	8.20
5.8G;VHT20;20;1,(M0-8);2;5745;L;TN,VN	Pass	500k	500k	0.00	6.31	11.27	11.27	29.69	17.58	35.69	8.36	8.86
5.8G;VHT20;20;1,(M0-8);2;5785;M;TN,VN	Pass	500k	500k	0.00	6.31	11.04	11.04	29.69	17.35	35.69	8.12	8.41
5.8G;VHT20;20;1,(M0-8);2;5825;H;TN,VN	Pass	500k	500k	0.00	6.31	10.81	10.81	29.69	17.12	35.69	7.73	8.65
5.8G;VHT40;40;1,(M0-9);2;5755;L;TN,VN	Pass	500k	500k	0.00	6.31	7.78	7.78	29.69	14.09	35.69	4.51	5.02
5.8G;VHT40;40;1,(M0-9);2;5795;H;TN,VN	Pass	500k	500k	0.00	6.31	7.83	7.83	29.69	14.14	35.69	4.54	5.10
5.8G;VHT80;80;1,(M0-9);2;5775;S;TN,VN	Pass	500k	500k	0.00	6.31	-0.31	-0.31	29.69	6.00	35.69	-3.65	-3.01

PSD;Band:5.2G;11a;BWch:20MHz;Nss:1;Nant:2;Ch:5180MHz;TN,VN



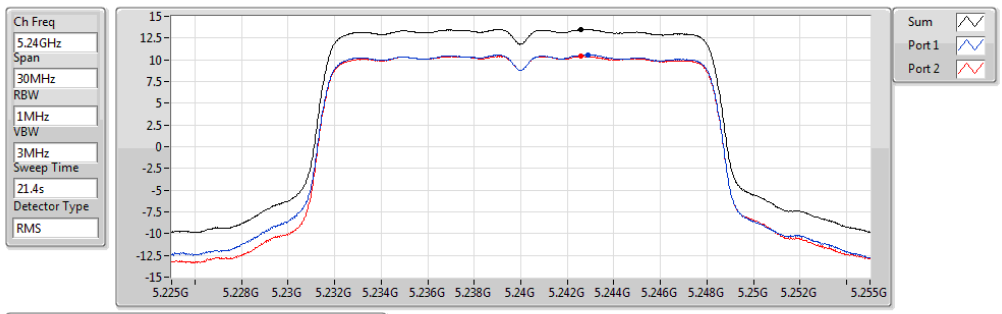
Sum.Max	PD	P1	P2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.05	8.05	5.33	4.75

PSD;Band:5.2G;11a;BWch:20MHz;Nss:1;Nant:2;Ch:5200MHz;TN,VN



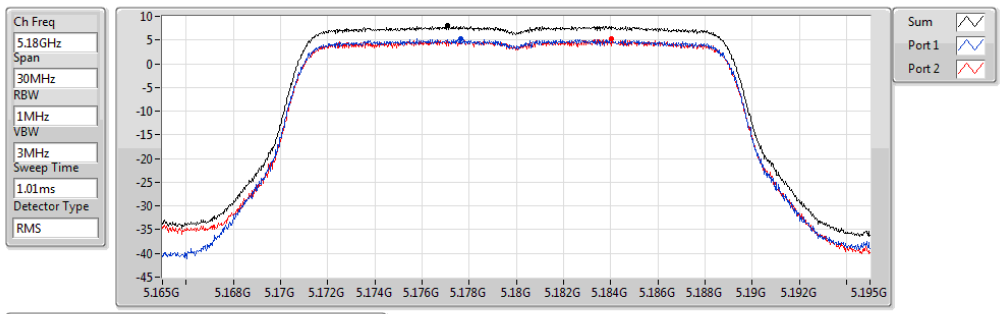
Sum.Max	PD	P1	P2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.59	12.59	9.62	9.59

PSD;Band:5.2G;11a;BWch:20MHz;Nss:1;Nant:2;Ch:5240MHz;TN,VN



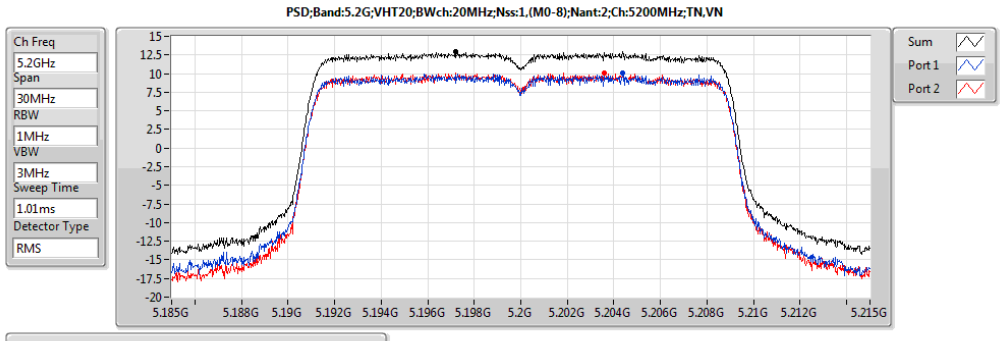
Sum.Max	PD	P1	P2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.50	13.50	10.57	10.42

PSD;Band:5.2G;VHT20;BWch:20MHz;Nss:1,(M0-8);Nant:2;Ch:5180MHz;TN,VN



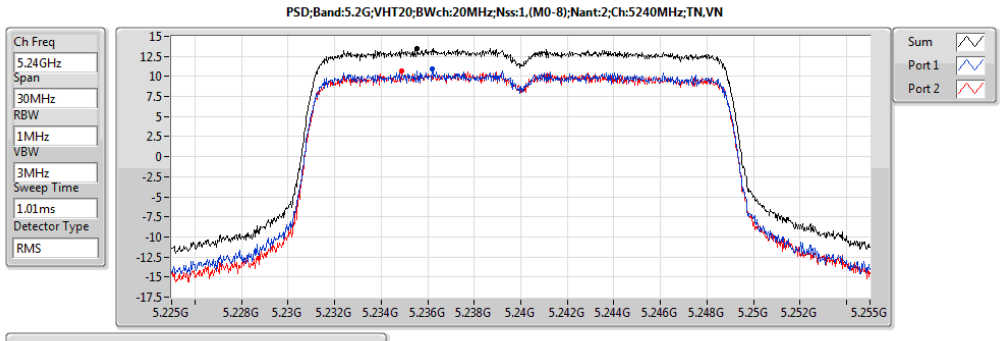
Sum.Max	PD	P1	P2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.00	8.00	5.25	5.30

PSD;Band:5.2G;VHT20;BWch:20MHz;Nss:1,(M0-8);Nant:2;Ch:5200MHz;TN,VN



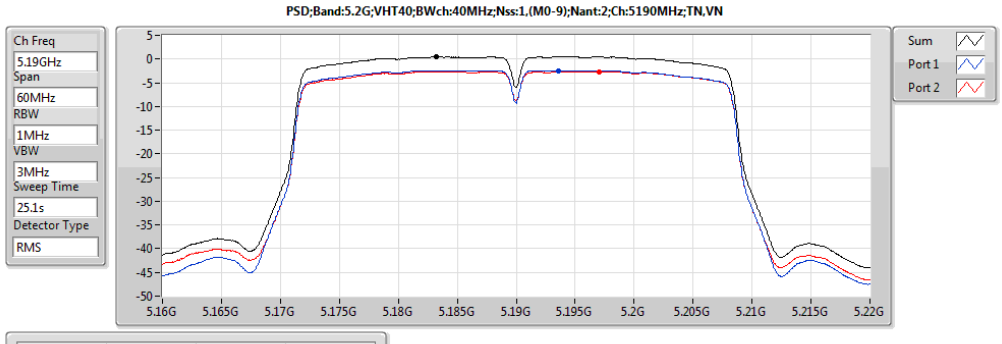
Sum.Max	PD	P1	P2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.92	12.92	10.13	10.10

PSD;Band:5.2G;VHT20;BWch:20MHz;Nss:1,(M0-8);Nant:2;Ch:5240MHz;TN,VN



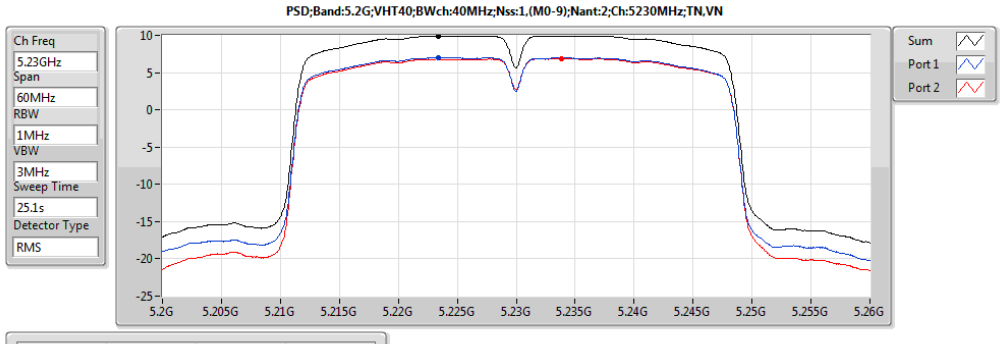
Sum.Max	PD	P1	P2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.47	13.47	10.88	10.64

PSD;Band:5.2G;VHT40;BWch:40MHz;Nss:1,(M0-9);Nant:2;Ch:5190MHz;TN,VN



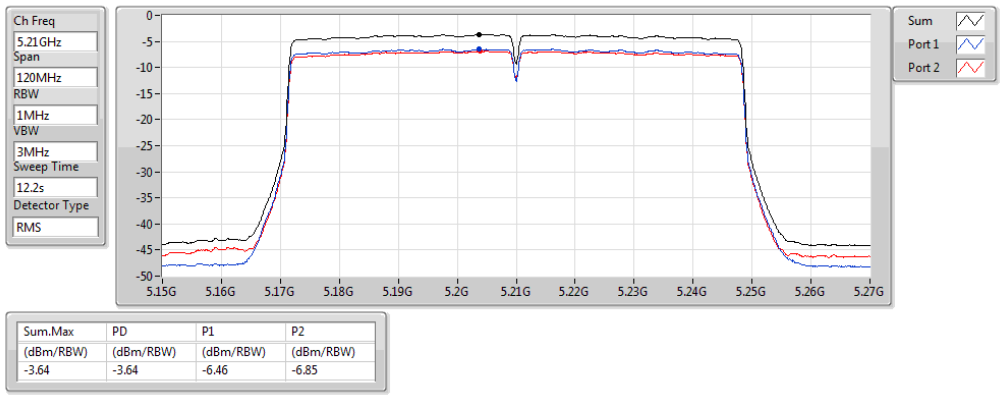
Sum.Max	PD	P1	P2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.45	0.45	-2.42	-2.68

PSD;Band:5.2G;VHT40;BWch:40MHz;Nss:1,(M0-9);Nant:2;Ch:5230MHz;TN,VN



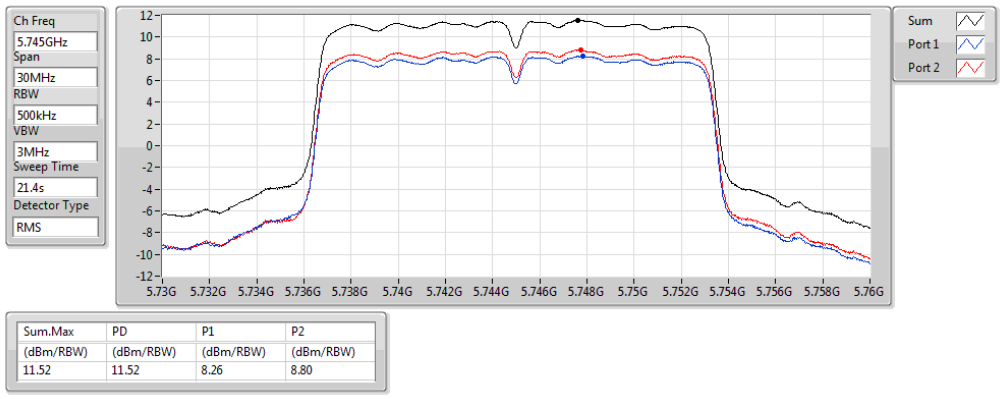
Sum.Max	PD	P1	P2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.91	9.91	7.02	6.83

PSD;Band:5.2G;VHT80;BWch:80MHz;Nss:1,(M0-9);Nant:2;Ch:5210MHz;TN,VN



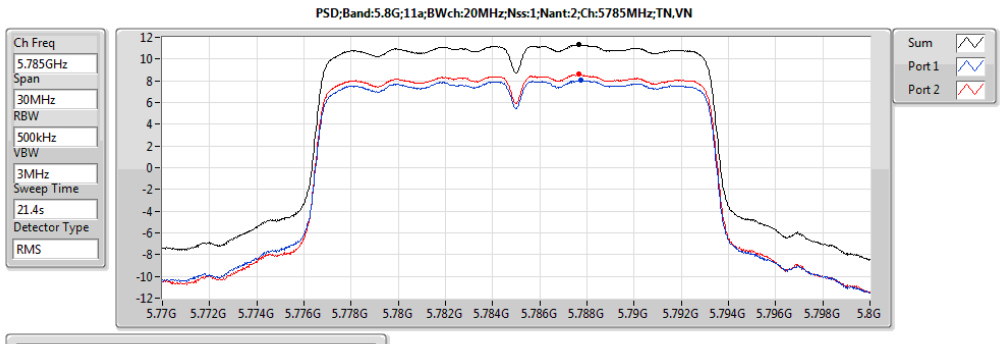
Sum.Max	PD	P1	P2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.64	-3.64	-6.46	-6.85

PSD;Band:5.8G;11a;BWch:20MHz;Nss:1;Nant:2;Ch:5745MHz;TN,VN



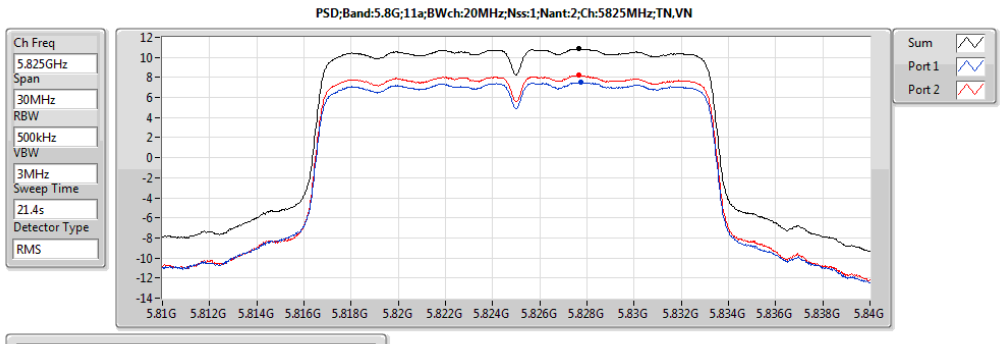
Sum.Max	PD	P1	P2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.52	11.52	8.26	8.80

PSD;Band:5.8G;11a;BWch:20MHz;Nss:1;Nant:2;Ch:5785MHz;TN,VN



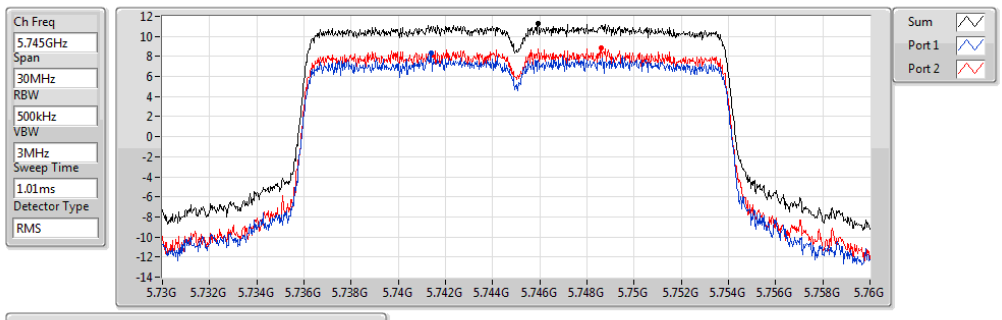
Sum.Max	PD	P1	P2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.32	11.32	8.02	8.58

PSD;Band:5.8G;11a;BWch:20MHz;Nss:1;Nant:2;Ch:5825MHz;TN,VN



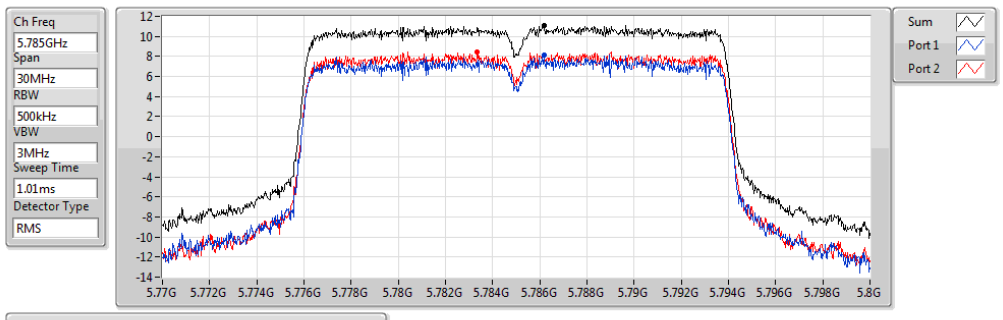
Sum.Max	PD	P1	P2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.86	10.86	7.51	8.20

PSD;Band:5.8G;VHT20;BWch:20MHz;Nss:1,(M0-8);Nant:2;Ch:5745MHz;TN,VN



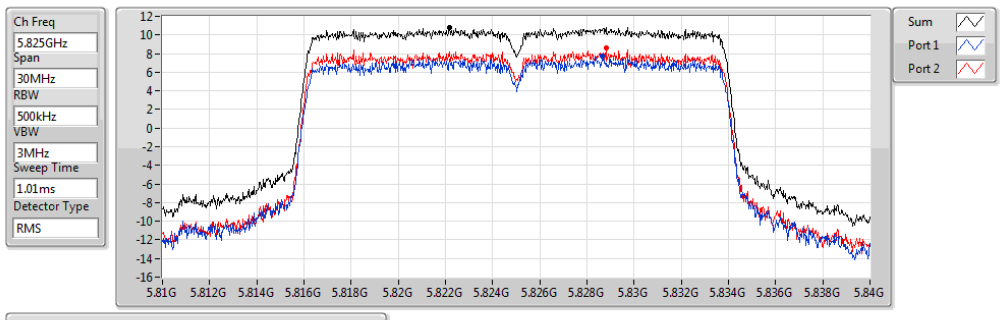
Sum.Max	PD	P1	P2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.27	11.27	8.36	8.86

PSD;Band:5.8G;VHT20;BWch:20MHz;Nss:1,(M0-8);Nant:2;Ch:5785MHz;TN,VN



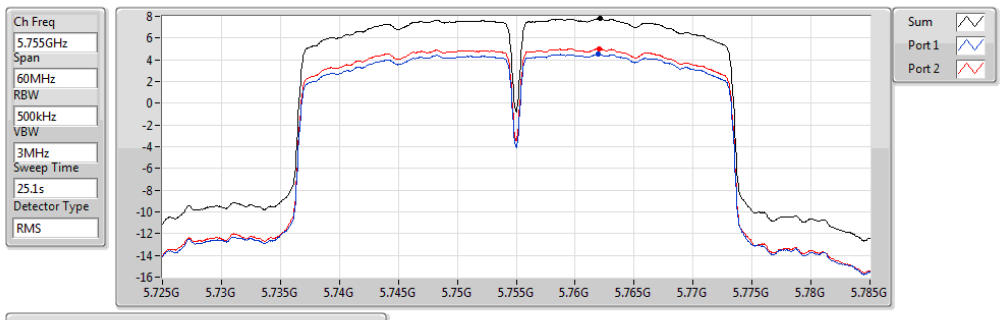
Sum.Max	PD	P1	P2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.04	11.04	8.12	8.41

PSD;Band:5.8G;VHT20;BWch:20MHz;Nss:1,(M0-8);Nant:2;Ch:5825MHz;TN,VN



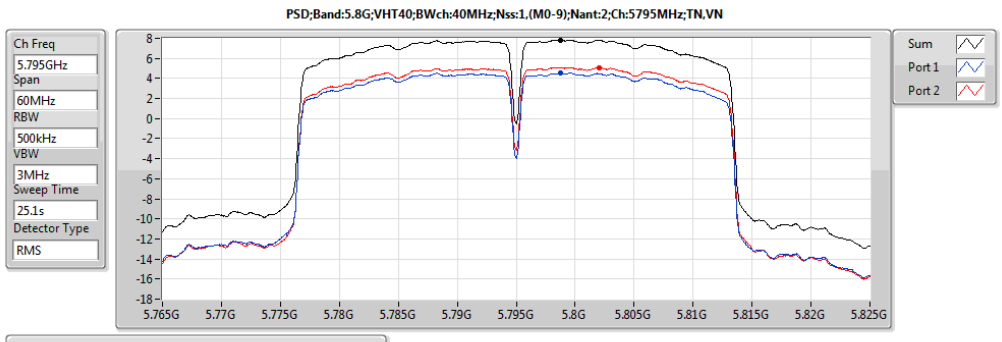
Sum.Max	PD	P1	P2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.81	10.81	7.73	8.65

PSD;Band:5.8G;VHT40;BWch:40MHz;Nss:1,(M0-9);Nant:2;Ch:5755MHz;TN,VN



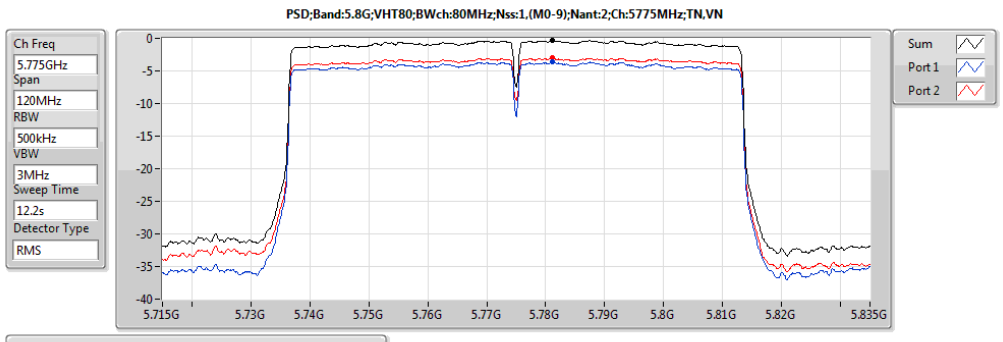
Sum.Max	PD	P1	P2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.78	7.78	4.51	5.02

PSD;Band:5.8G;VHT40;BWch:40MHz;Nss:1,(M0-9);Nant:2;Ch:5795MHz;TN,VN



Sum.Max	PD	P1	P2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.83	7.83	4.54	5.10

PSD;Band:5.8G;VHT80;BWch:80MHz;Nss:1,(M0-9);Nant:2;Ch:5775MHz;TN,VN



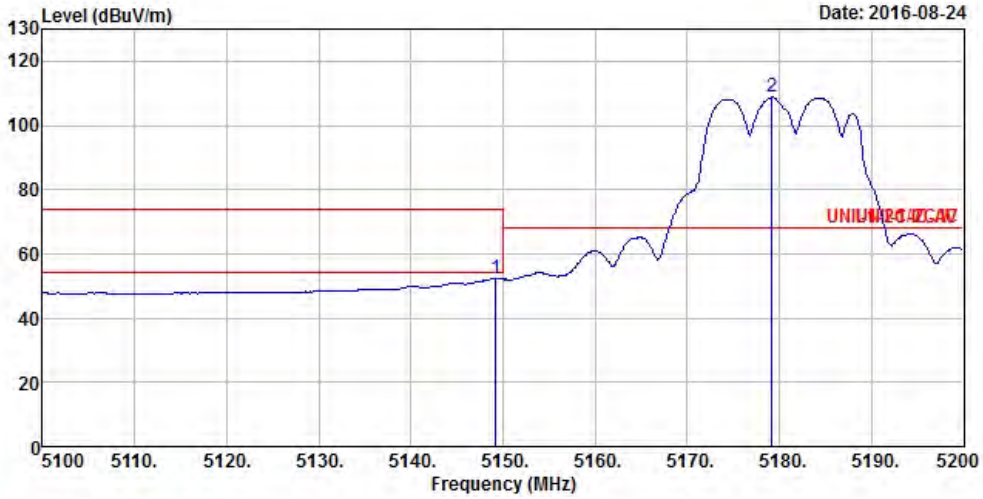
Sum.Max	PD	P1	P2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.31	-0.31	-3.65	-3.01

Transmitter Radiated Bandedge Emissions (with Antenna)

U-NII 5150-5250MHz Transmitter Radiated Bandedge (with Antenna)										
Modulation Mode	**N_{TX}**	**Freq. (MHz)**	**Measure Distance (m)**	**Freq. (MHz) PK**	**Level (dBuV/m) PK**	**Limit (dBuV/m) PK**	**Freq. (MHz) AV**	**Level (dBuV/m) AV**	**Limit (dBuV/m) AV**	**Pol.**
11a	2	5180	3	5147.800	62.55	74	5149.200	52.40	54	V
11a	2	5240	3	5134.560	58.92	74	5149.680	48.78	54	V
VHT20	2	5180	3	5147.800	64.11	74	5150.000	53.08	54	V
VHT20	2	5240	3	5146.200	59.09	74	5146.800	48.37	54	V
VHT40	2	5190	3	5149.720	64.47	74	5149.940	52.87	54	V
VHT40	2	5230	3	5149.800	63.79	74	5149.800	53.37	54	V
VHT80	2	5210	3	5149.800	64.98	74	5144.400	53.56	54	V
Note 1: Measurement worst emissions of receive antenna polarization.										

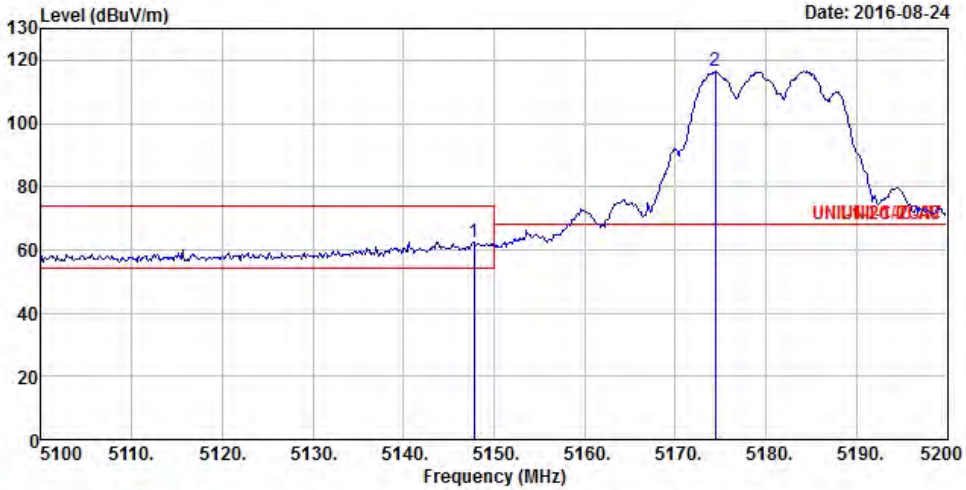
U-NII 5725-5850MHz Transmitter Radiated Bandedge (with Antenna)							
Modulation Mode	**N_{TX}**	**Freq. (MHz)**	**Measure Distance (m)**	**Freq. (MHz) PK**	**Level (dBuV/m) PK**	**Limit (dBuV/m) PK**	**Pol.**
11a	2	5745	3	5633.56	58.69	68.3	V
11a	2	5825	3	5509.14	58.85	68.3	V
VHT20	2	5745	3	5626.04	59.05	68.3	V
VHT20	2	5825	3	5927.05	59.08	68.3	V
VHT40	2	5755	3	5638.02	59.9	68.3	V
VHT40	2	5795	3	5932	58.77	68.3	V
VHT80	2	5775	3	5643.2	67.59	68.3	V
Note 1: Measurement worst emissions of receive antenna polarization.							

Transmitter Radiated Bandedge Emissions			
Modulation Mode	11a	**Test Freq. (MHz)**	5180
N_{TX}	2	**Remark**	Average



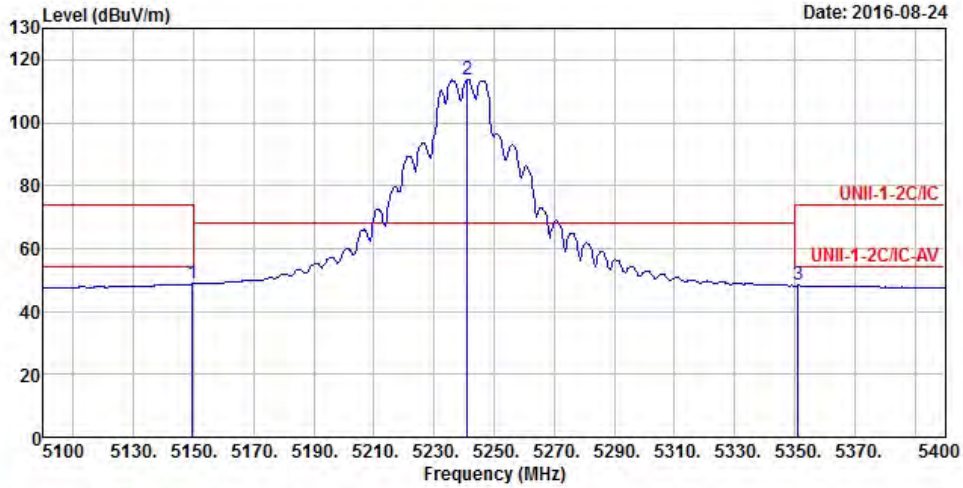
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	5149.200	52.40	-1.60	54.00	49.70	31.55	6.30	35.15	Average
2	5179.200	108.74			105.99	31.58	6.32	35.15	Average

Transmitter Radiated Bandedge Emissions			
Modulation Mode	11a	**Test Freq. (MHz)**	5180
N_{TX}	2	**Remark**	Peak



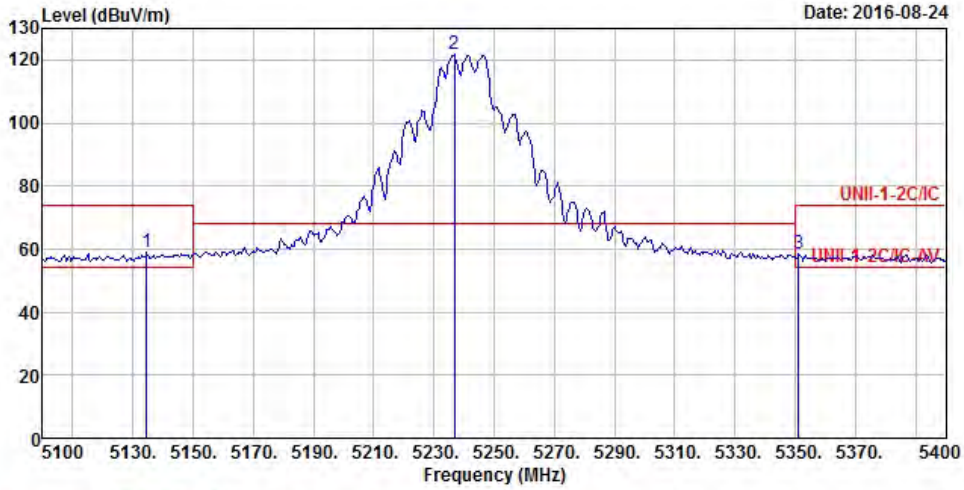
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	5147.800	62.55	-11.45	74.00	59.85	31.55	6.30	35.15	Peak
2	5174.400	116.62			113.88	31.57	6.32	35.15	Peak

Transmitter Radiated Bandedge Emissions			
Modulation Mode	11a	**Test Freq. (MHz)**	5240
N_{TX}	2	**Remark**	Average



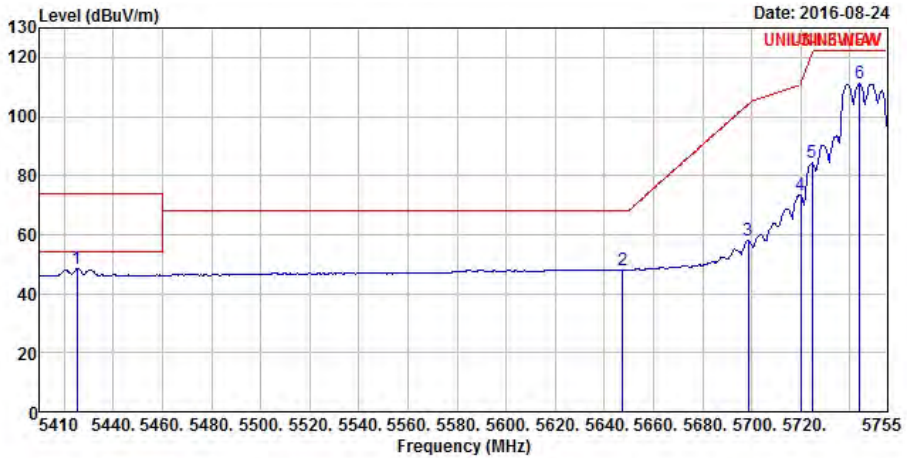
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	5149.680	48.78	-5.22	54.00	46.08	31.55	6.30	35.15	Average
2	5241.120	113.86			110.99	31.64	6.38	35.15	Average
3	5351.280	48.26	-5.74	54.00	45.20	31.75	6.47	35.16	Average

Transmitter Radiated Bandedge Emissions			
Modulation Mode	11a	**Test Freq. (MHz)**	5240
N_{TX}	2	**Remark**	Peak



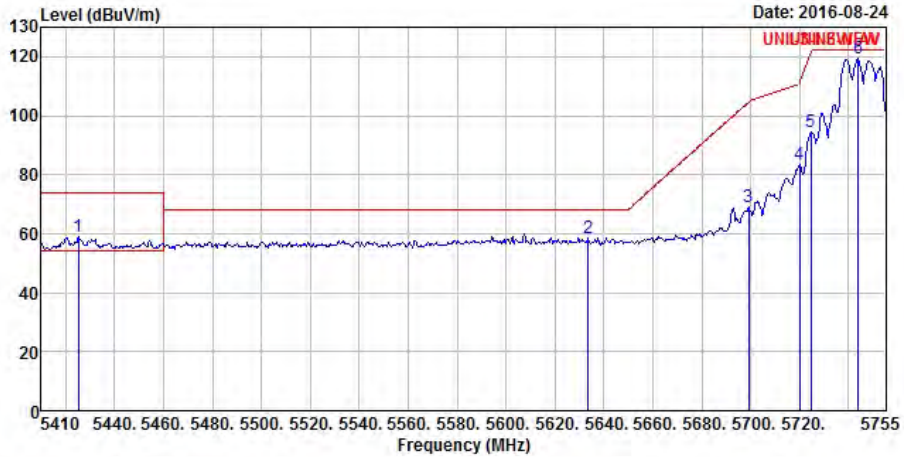
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	5134.560	58.92	-15.08	74.00	56.24	31.53	6.30	35.15	Peak
2	5236.800	121.94			119.07	31.64	6.38	35.15	Peak
3	5351.280	58.36	-15.64	74.00	55.30	31.75	6.47	35.16	Peak

Transmitter Radiated Bandedge Emissions			
Modulation Mode	11a	**Test Freq. (MHz)**	5745
N_{TX}	2	**Remark**	Average



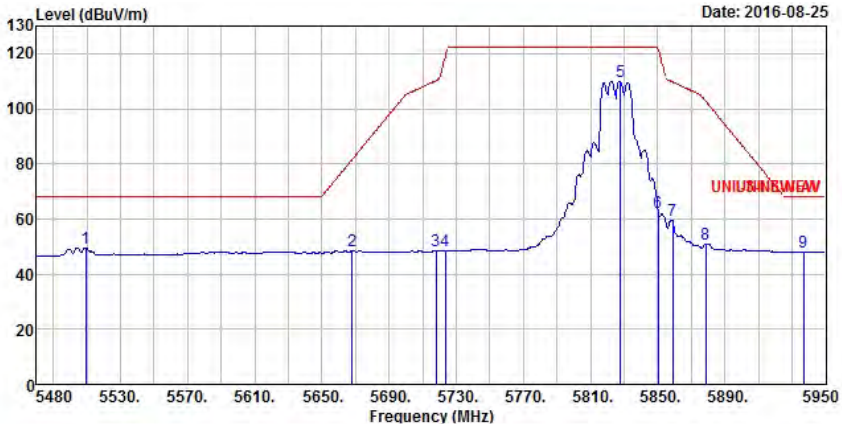
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	5425.180	48.54	-5.46	54.00	45.38	31.83	6.49	35.16	Average
2	5647.360	48.19	-20.11	68.30	44.66	32.08	6.61	35.16	Average
3	5698.420	57.98	-46.06	104.04	54.37	32.14	6.63	35.16	Average
4	5719.810	73.62	-37.13	110.75	69.98	32.16	6.64	35.16	Average
5	5724.640	84.21	-37.17	121.38	80.56	32.17	6.64	35.16	Average
6	5743.960	111.11			107.42	32.19	6.66	35.16	Average

Transmitter Radiated Bandedge Emissions			
Modulation Mode	11a	**Test Freq. (MHz)**	5745
N_{TX}	2	**Remark**	Peak



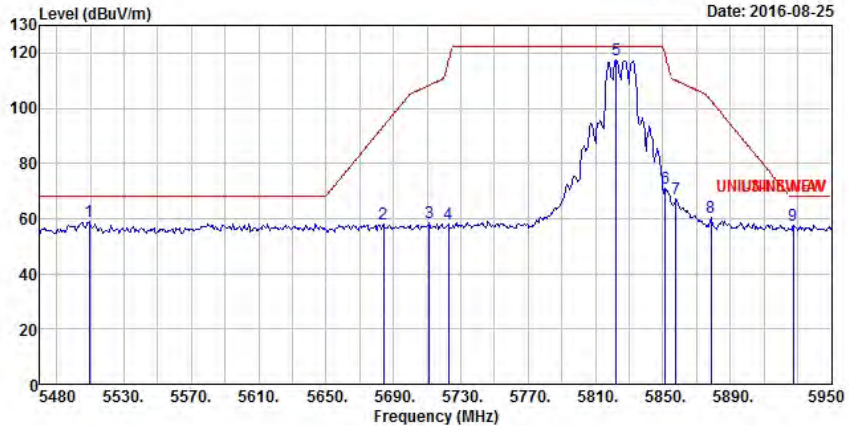
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	5425.180	58.77	-15.23	74.00	55.61	31.83	6.49	35.16	Peak
2	5633.560	58.69	-9.61	68.30	55.18	32.06	6.61	35.16	Peak
3	5699.110	69.15	-35.40	104.55	65.54	32.14	6.63	35.16	Peak
4	5719.810	83.50	-27.25	110.75	79.86	32.16	6.64	35.16	Peak
5	5724.640	94.30	-27.08	121.38	90.65	32.17	6.64	35.16	Peak
6	5743.960	119.47			115.78	32.19	6.66	35.16	Peak

Transmitter Radiated Bandedge Emissions			
Modulation Mode	11a	**Test Freq. (MHz)**	5825
N_{TX}	2	**Remark**	Average



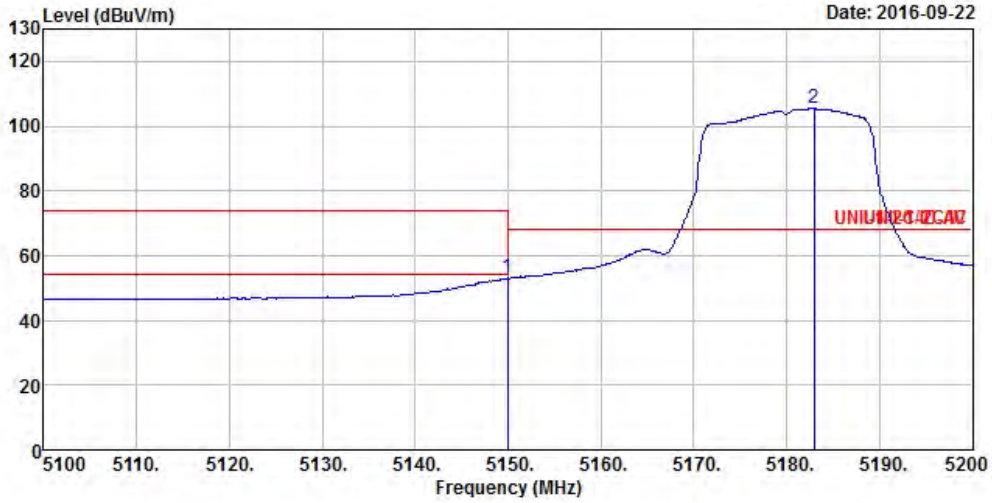
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	5509.140	49.38	-18.92	68.30	46.06	31.91	6.57	35.16	Average
2	5668.000	48.37	-33.25	81.62	44.80	32.10	6.63	35.16	Average
3	5717.820	48.28	-61.91	110.19	44.64	32.16	6.64	35.16	Average
4	5723.460	48.43	-70.26	118.69	44.78	32.17	6.64	35.16	Average
5	5827.800	110.03			106.21	32.29	6.69	35.16	Average
6	5850.360	62.30	-59.08	121.38	58.45	32.32	6.69	35.16	Average
7	5858.820	59.58	-50.15	109.73	55.71	32.33	6.70	35.16	Average
8	5878.560	50.95	-51.61	102.56	47.06	32.35	6.70	35.16	Average
9	5936.840	48.05	-20.25	68.30	44.06	32.42	6.73	35.16	Average

Transmitter Radiated Bandedge Emissions			
Modulation Mode	11a	**Test Freq. (MHz)**	5825
N_{TX}	2	**Remark**	Peak



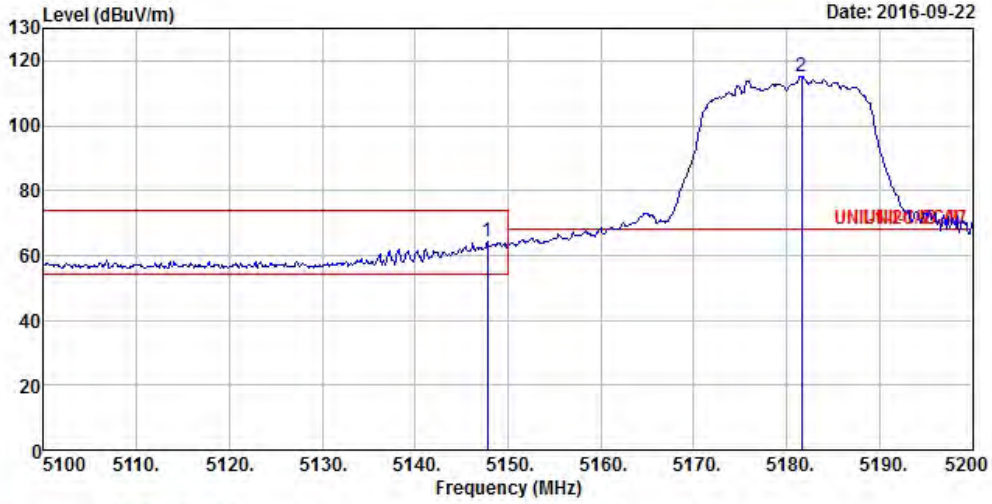
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	5509.140	58.85	-9.45	68.30	55.53	31.91	6.57	35.16	Peak
2	5683.980	58.12	-35.29	93.41	54.53	32.12	6.63	35.16	Peak
3	5711.240	58.42	-49.93	108.35	54.79	32.15	6.64	35.16	Peak
4	5722.520	58.17	-58.38	116.55	54.52	32.17	6.64	35.16	Peak
5	5822.160	117.33			113.51	32.29	6.69	35.16	Peak
6	5851.300	70.85	-48.39	119.24	67.00	32.32	6.69	35.16	Peak
7	5857.880	67.39	-42.60	109.99	63.52	32.33	6.70	35.16	Peak
8	5878.560	60.57	-41.99	102.56	56.68	32.35	6.70	35.16	Peak
9	5927.440	57.73	-10.57	68.30	53.76	32.41	6.72	35.16	Peak

Transmitter Radiated Bandedge Emissions			
Modulation Mode	VHT20	**Test Freq. (MHz)**	5180
N_{TX}	2	**Remark**	Average



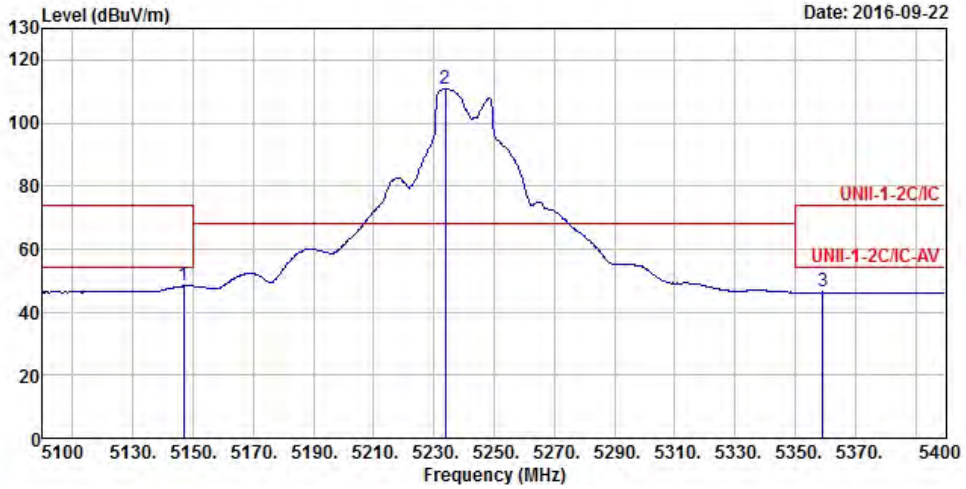
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	5150.000	53.08	-0.92	54.00	50.38	31.55	6.30	35.15	Average
2	5183.000	105.33			102.58	31.58	6.32	35.15	Average

Transmitter Radiated Bandedge Emissions			
Modulation Mode	VHT20	**Test Freq. (MHz)**	5180
N_{TX}	2	**Remark**	Peak



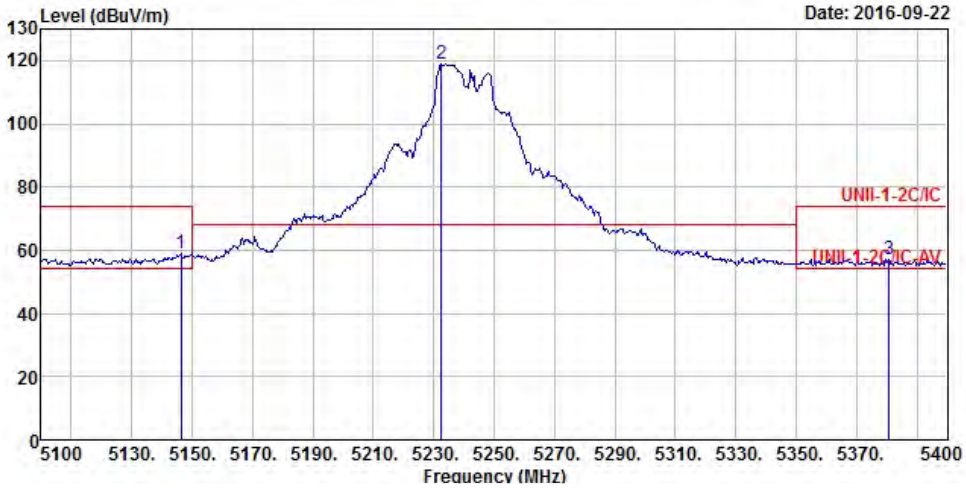
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	5147.800	64.11	-9.89	74.00	61.41	31.55	6.30	35.15	Peak
2	5181.600	115.22			112.47	31.58	6.32	35.15	Peak

Transmitter Radiated Bandedge Emissions			
Modulation Mode	VHT20	**Test Freq. (MHz)**	5240
N_{TX}	2	**Remark**	Average



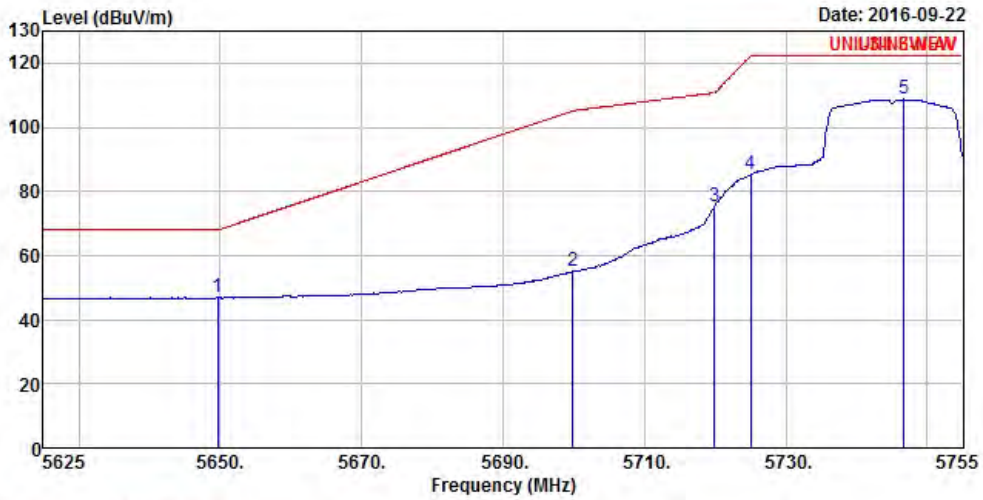
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	5146.800	48.37	-5.63	54.00	45.67	31.55	6.30	35.15	Average
2	5233.800	110.81			107.95	31.63	6.38	35.15	Average
3	5359.200	46.31	-7.69	54.00	43.24	31.76	6.47	35.16	Average

Transmitter Radiated Bandedge Emissions			
Modulation Mode	VHT20	**Test Freq. (MHz)**	5240
N_{TX}	2	**Remark**	Peak



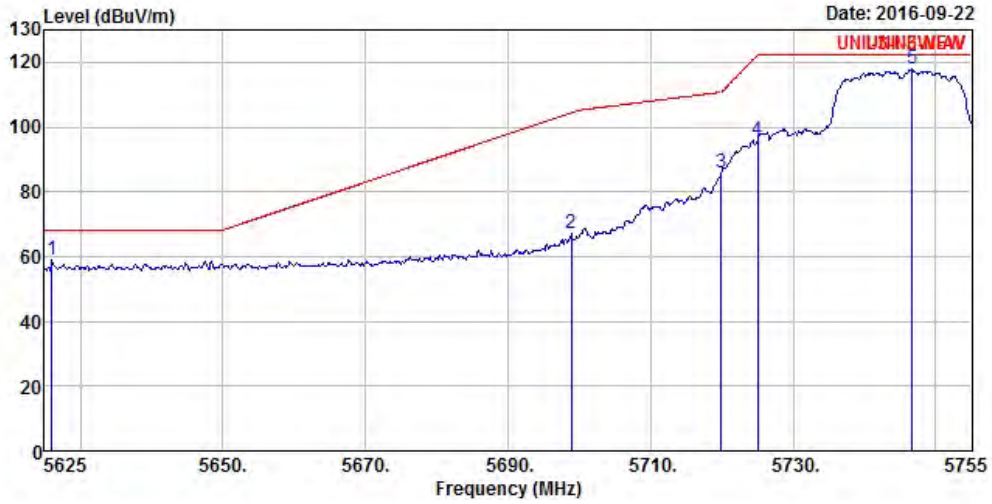
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	5146.200	59.09	-14.91	74.00	56.39	31.55	6.30	35.15	Peak
2	5232.600	118.96			116.10	31.63	6.38	35.15	Peak
3	5380.800	57.12	-16.88	74.00	54.03	31.78	6.47	35.16	Peak

Transmitter Radiated Bandedge Emissions			
Modulation Mode	VHT20	**Test Freq. (MHz)**	5745
N_{TX}	2	**Remark**	Average



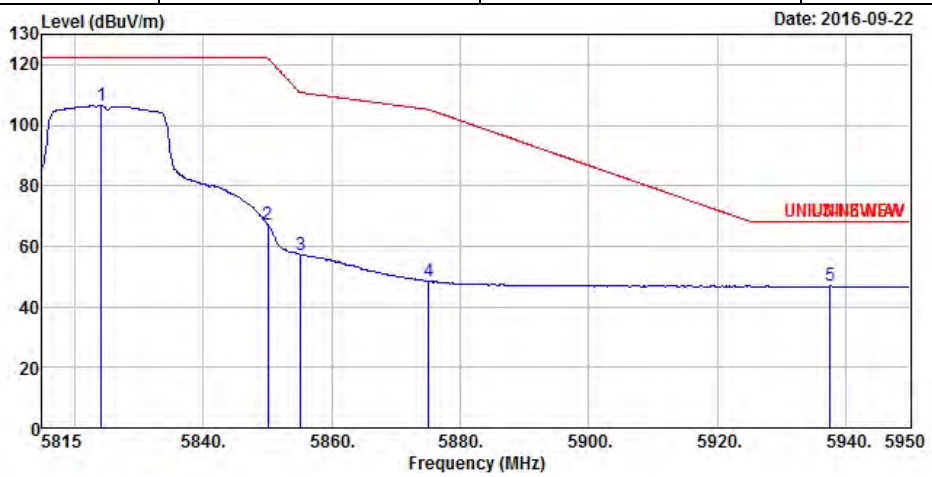
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	5649.700	46.90	-21.40	68.30	43.37	32.08	6.61	35.16	Average
2	5699.880	55.01	-50.10	105.11	51.39	32.14	6.64	35.16	Average
3	5719.900	75.49	-35.28	110.77	71.85	32.16	6.64	35.16	Average
4	5724.970	85.30	-36.83	122.13	81.65	32.17	6.64	35.16	Average
5	5746.680	108.66			104.96	32.20	6.66	35.16	Average

Transmitter Radiated Bandedge Emissions			
Modulation Mode	VHT20	**Test Freq. (MHz)**	5745
N_{TX}	2	**Remark**	Peak



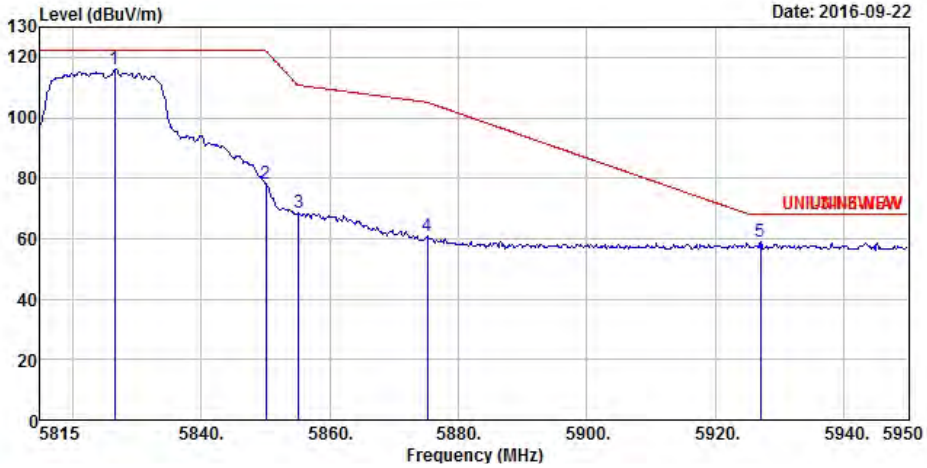
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	5626.040	59.05	-9.25	68.30	55.55	32.05	6.61	35.16	Peak
2	5698.840	67.04	-37.31	104.35	63.43	32.14	6.63	35.16	Peak
3	5719.900	85.70	-25.07	110.77	82.06	32.16	6.64	35.16	Peak
4	5724.970	96.10	-26.03	122.13	92.45	32.17	6.64	35.16	Peak
5	5746.680	117.93			114.23	32.20	6.66	35.16	Peak

Transmitter Radiated Bandedge Emissions			
Modulation Mode	VHT20	**Test Freq. (MHz)**	5825
N_{TX}	2	**Remark**	Average



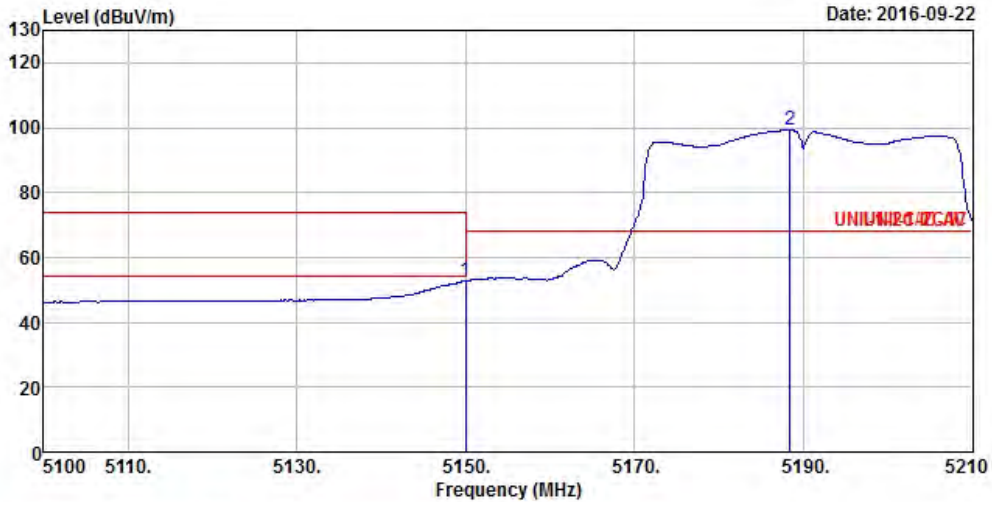
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	5824.180	106.36			102.54	32.29	6.69	35.16	Average
2	5850.100	67.03	-54.94	121.97	63.18	32.32	6.69	35.16	Average
3	5855.230	57.16	-53.58	110.74	53.30	32.33	6.69	35.16	Average
4	5875.075	48.52	-56.62	105.14	44.63	32.35	6.70	35.16	Average
5	5937.580	46.86	-21.44	68.30	42.86	32.43	6.73	35.16	Average

Transmitter Radiated Bandedge Emissions			
Modulation Mode	VHT20	**Test Freq. (MHz)**	5825
N_{TX}	2	**Remark**	Peak



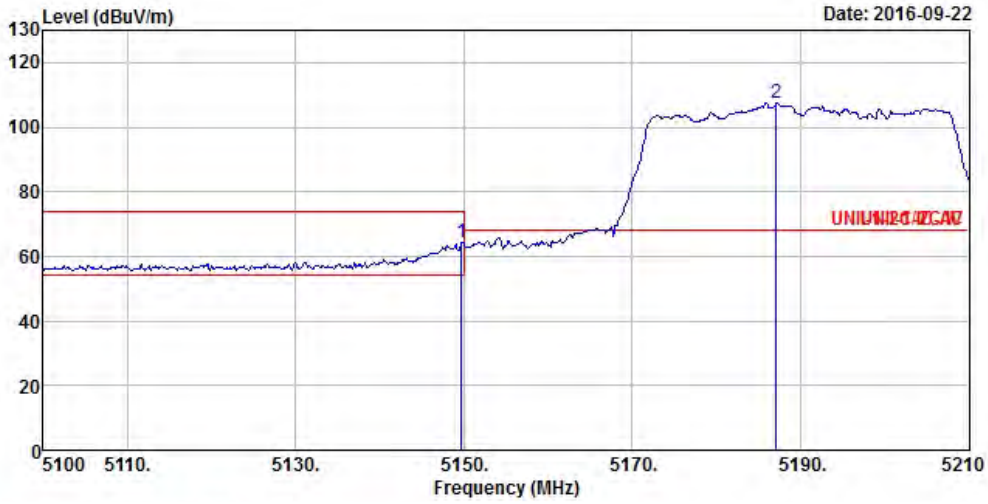
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	5826.610	115.97			112.15	32.29	6.69	35.16	Peak
2	5850.100	78.11	-43.86	121.97	74.26	32.32	6.69	35.16	Peak
3	5855.230	68.43	-42.31	110.74	64.57	32.33	6.69	35.16	Peak
4	5875.210	60.69	-44.35	105.04	56.80	32.35	6.70	35.16	Peak
5	5927.050	59.08	-9.22	68.30	55.11	32.41	6.72	35.16	Peak

Transmitter Radiated Bandedge Emissions			
Modulation Mode	VHT40	**Test Freq. (MHz)**	5190
N_{TX}	2	**Remark**	Average



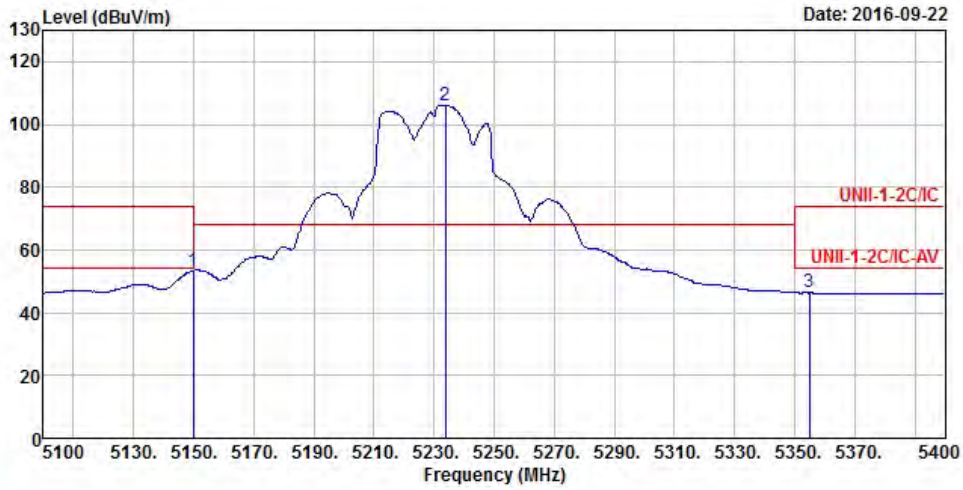
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	5149.940	52.87	-1.13	54.00	50.17	31.55	6.30	35.15	Average
2	5188.440	99.19			96.43	31.59	6.32	35.15	Average

Transmitter Radiated Bandedge Emissions			
Modulation Mode	VHT40	**Test Freq. (MHz)**	5190
N_{TX}	2	**Remark**	Peak



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	5149.720	64.47	-9.53	74.00	61.77	31.55	6.30	35.15	Peak
2	5187.120	107.48			104.72	31.59	6.32	35.15	Peak

Transmitter Radiated Bandedge Emissions			
Modulation Mode	VHT40	**Test Freq. (MHz)**	5230
N_{TX}	2	**Remark**	Average

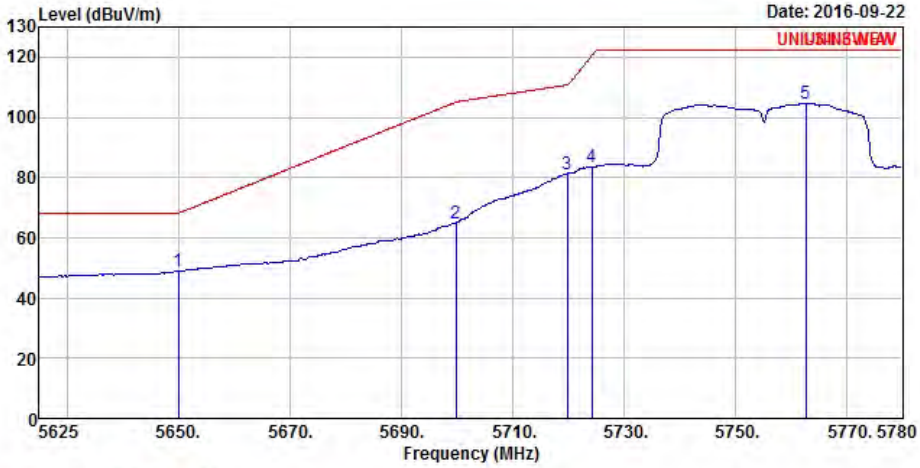


	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	5149.800	53.37	-0.63	54.00	50.67	31.55	6.30	35.15	Average
2	5233.800	106.25			103.39	31.63	6.38	35.15	Average
3	5355.000	46.37	-7.63	54.00	43.31	31.75	6.47	35.16	Average

Transmitter Radiated Bandedge Emissions			
Modulation Mode	VHT40	**Test Freq. (MHz)**	5230
N_{TX}	2	**Remark**	Peak

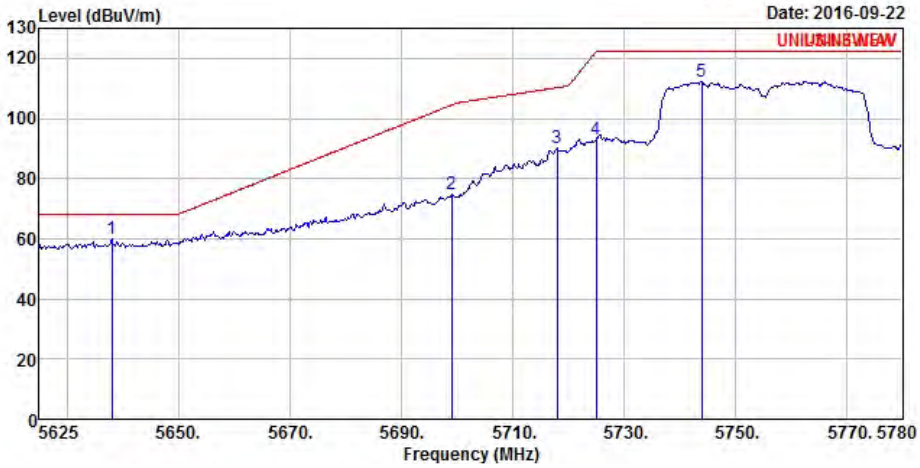
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	5149.800	63.79	-10.21	74.00	61.09	31.55	6.30	35.15	Peak
2	5233.200	114.30			111.44	31.63	6.38	35.15	Peak
3	5353.800	57.94	-16.06	74.00	54.88	31.75	6.47	35.16	Peak

Transmitter Radiated Bandedge Emissions			
Modulation Mode	VHT40	**Test Freq. (MHz)**	5755
N_{TX}	2	**Remark**	Average



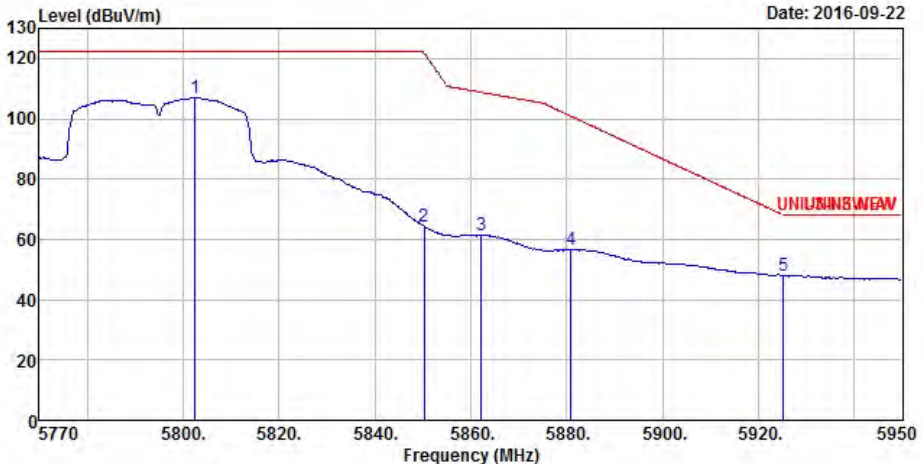
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	5649.955	48.99	-19.31	68.30	45.46	32.08	6.61	35.16	Average
2	5699.865	65.00	-40.10	105.10	61.38	32.14	6.64	35.16	Average
3	5719.860	81.23	-29.53	110.76	77.59	32.16	6.64	35.16	Average
4	5724.200	83.68	-36.70	120.38	80.03	32.17	6.64	35.16	Average
5	5762.640	104.62			100.90	32.22	6.66	35.16	Average

Transmitter Radiated Bandedge Emissions			
Modulation Mode	VHT40	**Test Freq. (MHz)**	5755
N_{TX}	2	**Remark**	Peak



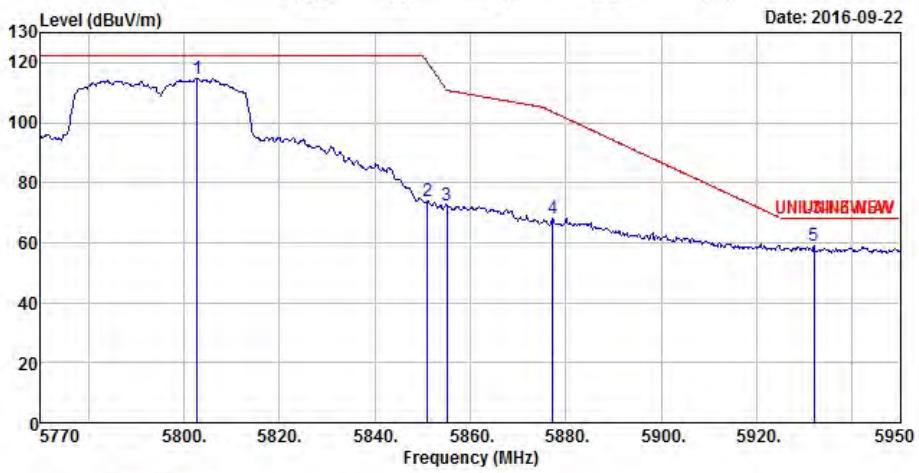
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	5638.020	59.90	-8.40	68.30	56.38	32.07	6.61	35.16	Peak
2	5699.090	74.67	-29.86	104.53	71.06	32.14	6.63	35.16	Peak
3	5718.000	90.24	-20.00	110.24	86.60	32.16	6.64	35.16	Peak
4	5724.975	92.91	-29.23	122.14	89.26	32.17	6.64	35.16	Peak
5	5744.040	112.35			108.66	32.19	6.66	35.16	Peak

Transmitter Radiated Bandedge Emissions			
Modulation Mode	VHT40	**Test Freq. (MHz)**	5795
N_{TX}	2	**Remark**	Average



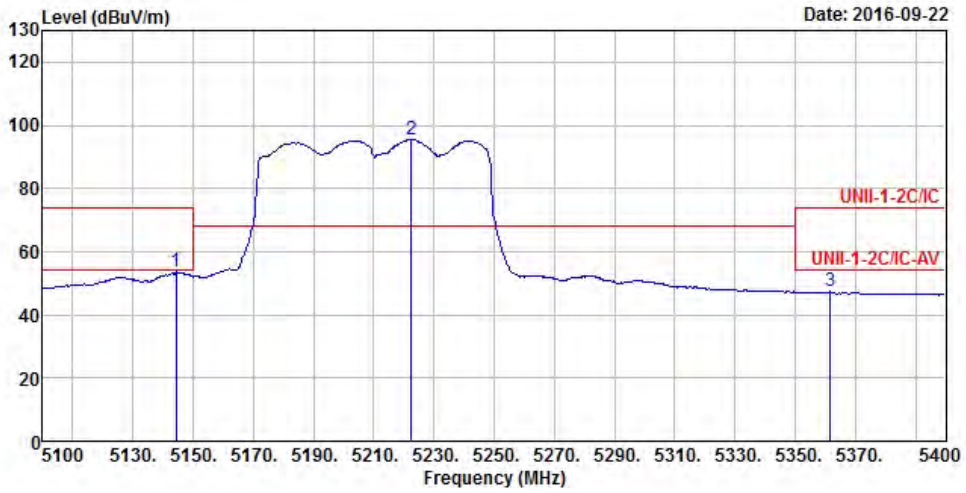
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	5802.400	106.99			103.22	32.26	6.67	35.16	Average
2	5850.280	64.51	-57.05	121.56	60.66	32.32	6.69	35.16	Average
3	5862.160	61.57	-47.22	108.79	57.70	32.33	6.70	35.16	Average
4	5880.880	56.71	-44.13	100.84	52.81	32.36	6.70	35.16	Average
5	5925.160	48.07	-20.23	68.30	44.10	32.41	6.72	35.16	Average

Transmitter Radiated Bandedge Emissions			
Modulation Mode	VHT40	**Test Freq. (MHz)**	5795
N_{TX}	2	**Remark**	Peak



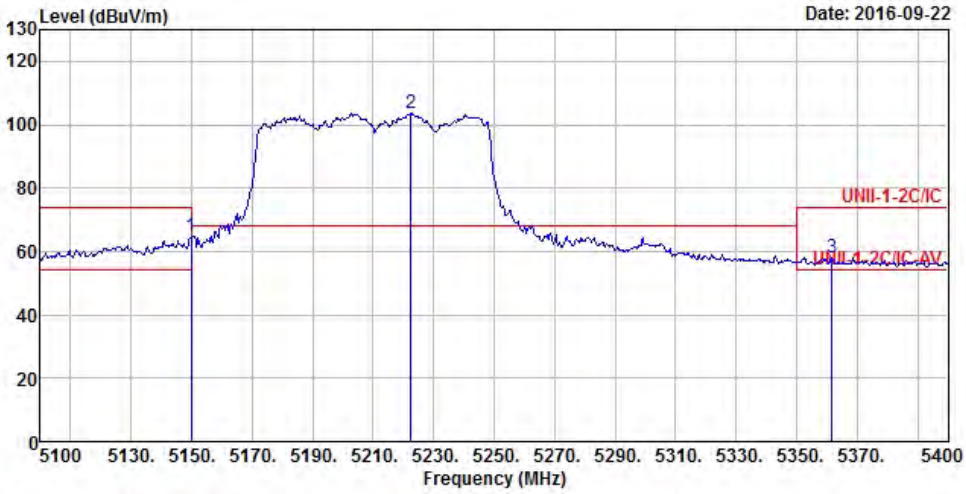
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	5802.760	114.78			111.01	32.26	6.67	35.16	Peak
2	5851.000	73.66	-46.26	119.92	69.81	32.32	6.69	35.16	Peak
3	5855.140	72.44	-38.32	110.76	68.58	32.33	6.69	35.16	Peak
4	5877.280	68.25	-35.26	103.51	64.36	32.35	6.70	35.16	Peak
5	5932.000	58.77	-9.53	68.30	54.79	32.42	6.72	35.16	Peak

Transmitter Radiated Bandedge Emissions			
Modulation Mode	VHT80	**Test Freq. (MHz)**	5210
N_{TX}	2	**Remark**	Average



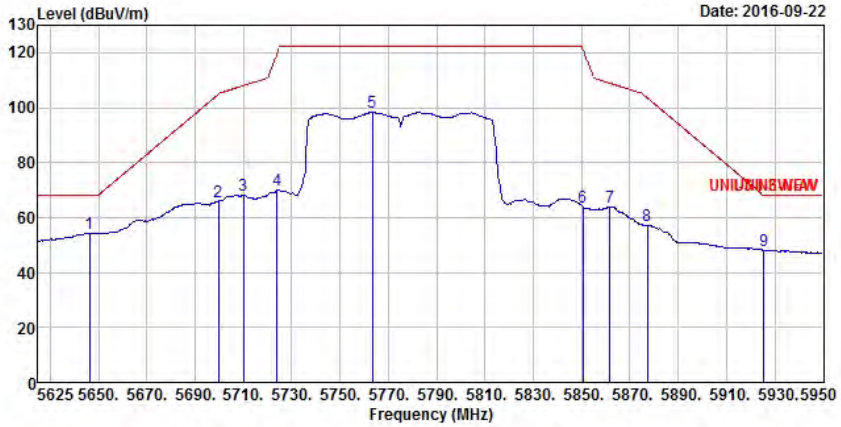
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	5144.400	53.56	-0.44	54.00	50.87	31.54	6.30	35.15	Average
2	5222.400	95.59			92.77	31.62	6.35	35.15	Average
3	5361.600	47.26	-6.74	54.00	44.19	31.76	6.47	35.16	Average

Transmitter Radiated Bandedge Emissions			
Modulation Mode	VHT80	**Test Freq. (MHz)**	5210
N_{TX}	2	**Remark**	Peak



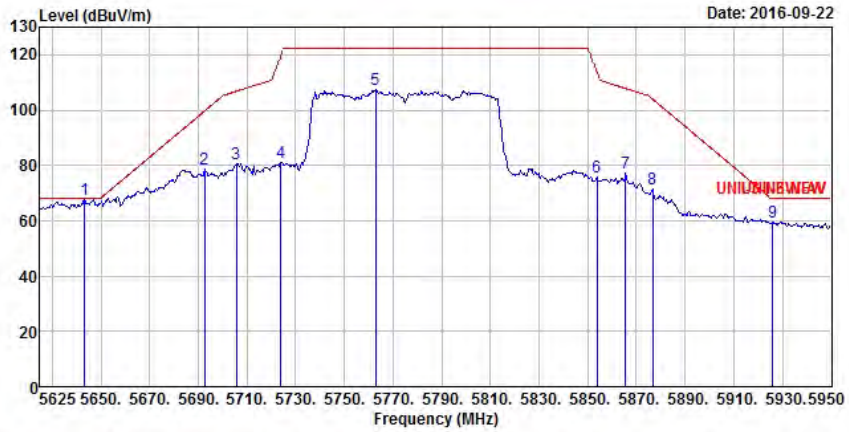
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	5149.800	64.98	-9.02	74.00	62.28	31.55	6.30	35.15	Peak
2	5222.400	103.56			100.74	31.62	6.35	35.15	Peak
3	5361.600	58.13	-15.87	74.00	55.06	31.76	6.47	35.16	Peak

Transmitter Radiated Bandedge Emissions			
Modulation Mode	VHT80	**Test Freq. (MHz)**	5775
N_{TX}	2	**Remark**	Average



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	5646.450	54.39	-13.91	68.30	50.86	32.08	6.61	35.16	Average
2	5699.750	65.87	-39.15	105.02	62.25	32.14	6.64	35.16	Average
3	5710.150	68.26	-39.78	108.04	64.63	32.15	6.64	35.16	Average
4	5723.800	69.97	-49.49	119.46	66.32	32.17	6.64	35.16	Average
5	5763.450	98.34	-----	------	94.62	32.22	6.66	35.16	Average
6	5850.550	63.89	-57.06	120.95	60.04	32.32	6.69	35.16	Average
7	5861.600	63.85	-45.10	108.95	59.98	32.33	6.70	35.16	Average
8	5877.200	57.29	-46.28	103.57	53.40	32.35	6.70	35.16	Average
9	5925.300	48.13	-20.17	68.30	44.16	32.41	6.72	35.16	Average

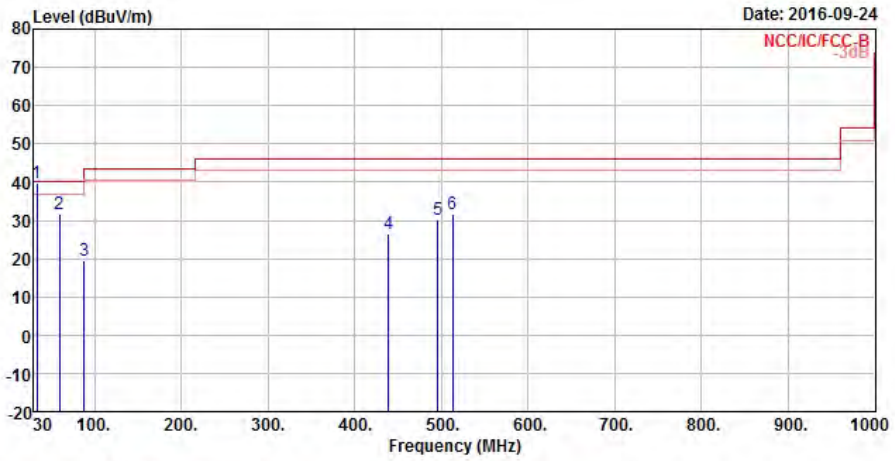
Transmitter Radiated Bandedge Emissions			
Modulation Mode	VHT80	**Test Freq. (MHz)**	5775
N_{TX}	2	**Remark**	Peak



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	5643.200	67.59	-0.71	68.30	64.07	32.07	6.61	35.16	Peak
2	5692.600	78.57	-21.19	99.76	74.97	32.13	6.63	35.16	Peak
3	5705.600	80.56	-26.21	106.77	76.93	32.15	6.64	35.16	Peak
4	5723.800	80.91	-38.55	119.46	77.26	32.17	6.64	35.16	Peak
5	5762.800	107.67	------	------	103.95	32.22	6.66	35.16	Peak
6	5853.800	75.78	-37.76	113.54	71.93	32.32	6.69	35.16	Peak
7	5865.500	77.24	-30.62	107.86	73.36	32.34	6.70	35.16	Peak
8	5876.550	71.62	-32.43	104.05	67.73	32.35	6.70	35.16	Peak
9	5925.950	59.67	-8.63	68.30	55.70	32.41	6.72	35.16	Peak

Transmitter Radiated Unwanted Emissions (Below 1GHz)

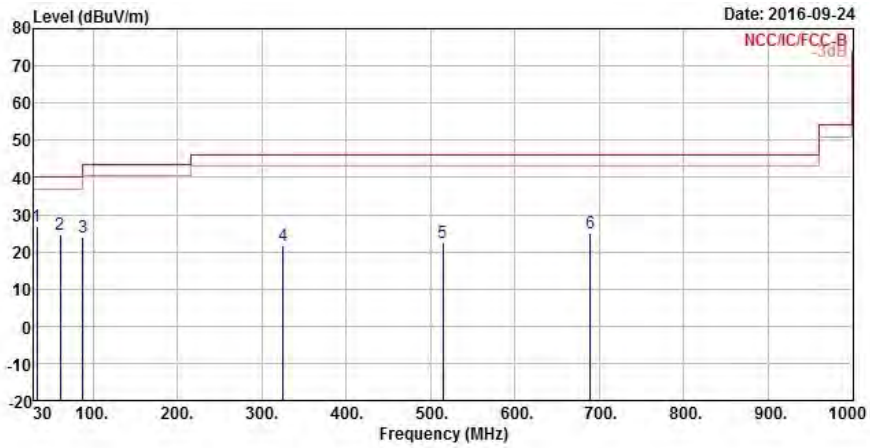
Transmitter Radiated Unwanted Emissions (Below 1GHz)			
Operating Mode	1	**Polarization**	V
Operating Function	Adapter mode		



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	33.880	39.66	-0.34	40.00	53.89	22.80	0.34	37.37	QP
2	59.100	31.79	-8.21	40.00	57.16	11.28	0.47	37.12	Peak
3	88.200	19.62	-23.88	43.50	42.11	13.88	0.54	36.91	Peak
4	439.340	26.64	-19.36	46.00	40.02	22.21	1.19	36.78	Peak
5	495.600	30.32	-15.68	46.00	42.79	23.22	1.28	36.97	Peak
6	513.060	31.68	-14.32	46.00	43.93	23.46	1.31	37.02	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical).
Note 4: No level of unwanted emissions exceeds the level of the fundamental emission.

Transmitter Radiated Unwanted Emissions (Below 1GHz)			
Operating Mode	1	**Polarization**	H
Operating Function	Adapter mode		

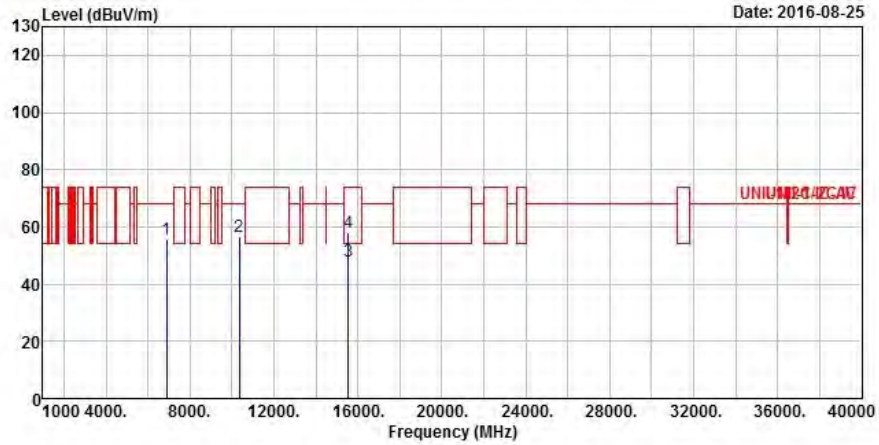


	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	33.880	26.89	-13.11	40.00	41.12	22.80	0.34	37.37	Peak
2	61.040	24.68	-15.32	40.00	50.27	11.05	0.47	37.11	Peak
3	88.200	23.83	-19.67	43.50	46.32	13.88	0.54	36.91	Peak
4	324.880	21.64	-24.36	46.00	37.55	19.55	1.01	36.47	Peak
5	515.000	22.55	-23.45	46.00	34.78	23.48	1.31	37.02	Peak
6	689.600	25.02	-20.98	46.00	35.08	25.88	1.53	37.47	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical).
Note 4: No level of unwanted emissions exceeds the level of the fundamental emission.

Transmitter Radiated Unwanted Emissions (Above 1GHz) for 5150-5250MHz

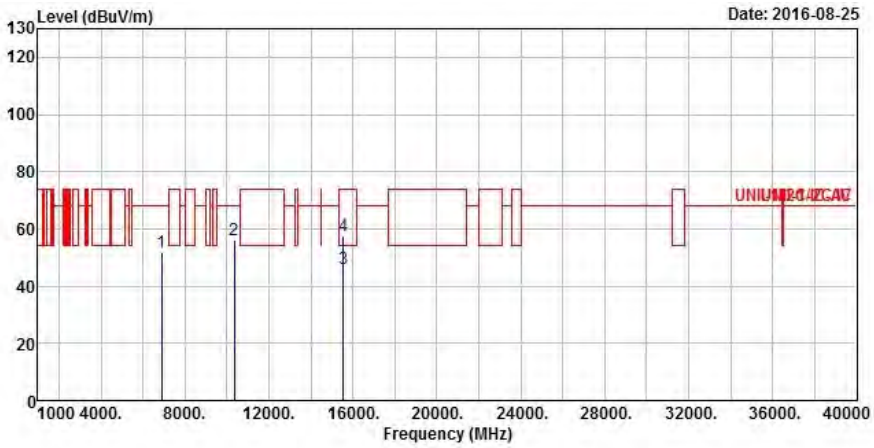
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (MHz)**	5180
N_{TX}	2	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	6907.000	55.83	-12.47	68.30	48.70	35.06	7.43	35.36	Peak
2	10360.000	56.78	-11.52	68.30	43.50	39.48	9.41	35.61	Peak
3	15540.000	47.81	-6.19	54.00	33.49	38.41	11.54	35.63	Average
4	15540.000	58.14	-15.86	74.00	43.82	38.41	11.54	35.63	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

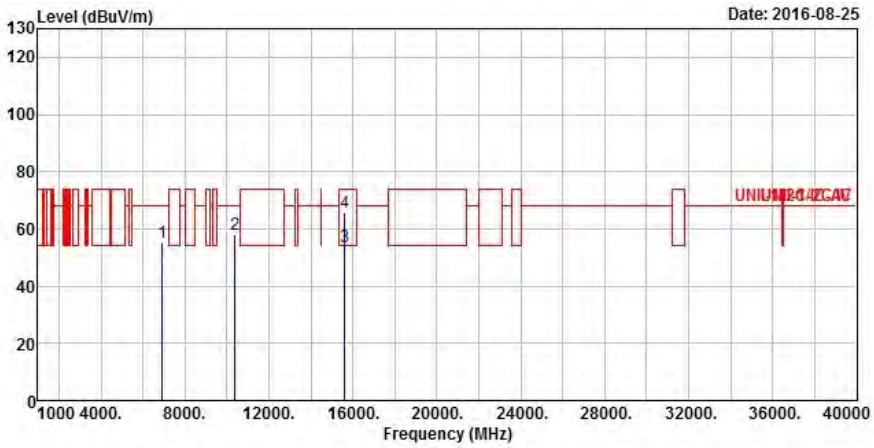
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (MHz)**	5180
N_{TX}	2	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	6907.000	52.03	-16.27	68.30	44.90	35.06	7.43	35.36	Peak
2	10360.000	56.25	-12.05	68.30	42.97	39.48	9.41	35.61	Peak
3	15540.000	46.12	-7.88	54.00	31.80	38.41	11.54	35.63	Average
4	15540.000	57.53	-16.47	74.00	43.21	38.41	11.54	35.63	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

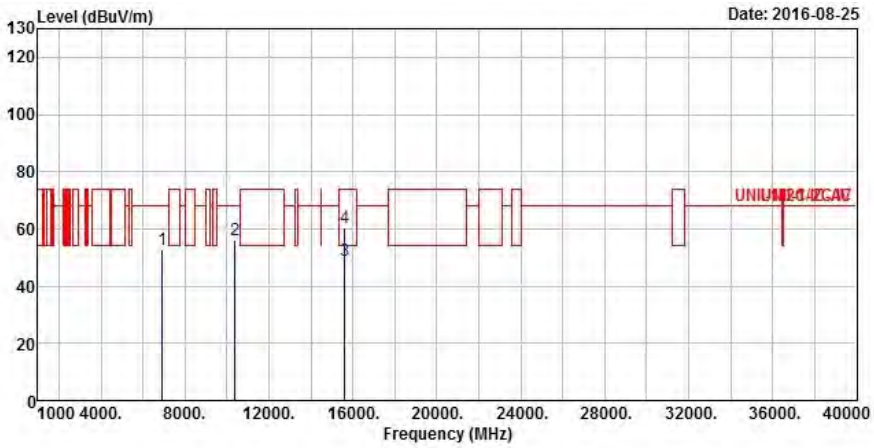
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (MHz)**	5200
N_{TX}	2	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	6933.000	55.11	-13.19	68.30	47.90	35.13	7.45	35.37	Peak
2	10400.000	57.92	-10.38	68.30	44.52	39.54	9.44	35.58	Peak
3	15600.000	53.82	-0.18	54.00	39.71	38.28	11.50	35.67	Average
4	15600.000	65.82	-8.18	74.00	51.71	38.28	11.50	35.67	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

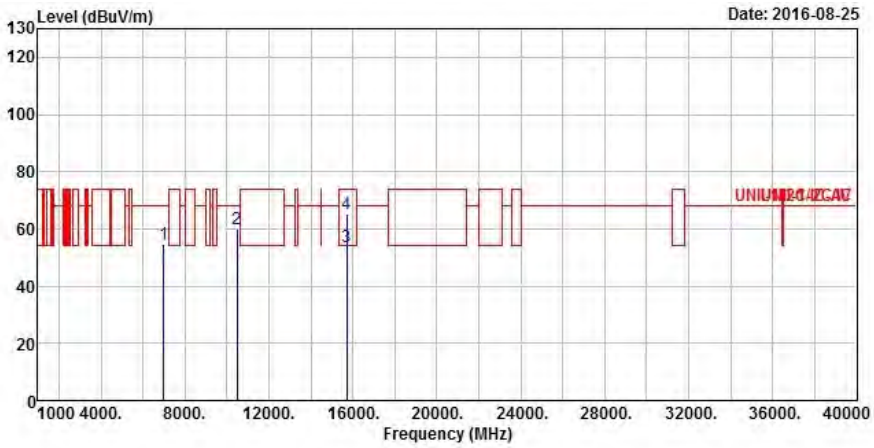
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (MHz)**	5200
N_{TX}	2	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	6933.000	52.91	-15.39	68.30	45.70	35.13	7.45	35.37	Peak
2	10400.000	56.20	-12.10	68.30	42.80	39.54	9.44	35.58	Peak
3	15600.000	48.92	-5.08	54.00	34.81	38.28	11.50	35.67	Average
4	15600.000	60.52	-13.48	74.00	46.41	38.28	11.50	35.67	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

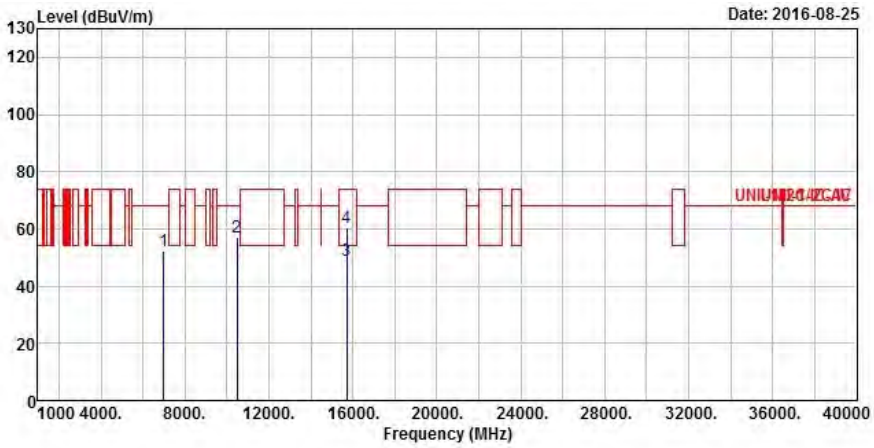
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (MHz)**	5240
N_{TX}	2	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	6987.000	54.46	-13.84	68.30	47.09	35.27	7.49	35.39	Peak
2	10480.000	59.76	-8.54	68.30	46.11	39.67	9.48	35.50	Peak
3	15720.000	53.78	-0.22	54.00	40.09	38.02	11.40	35.73	Average
4	15720.000	65.18	-8.82	74.00	51.49	38.02	11.40	35.73	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

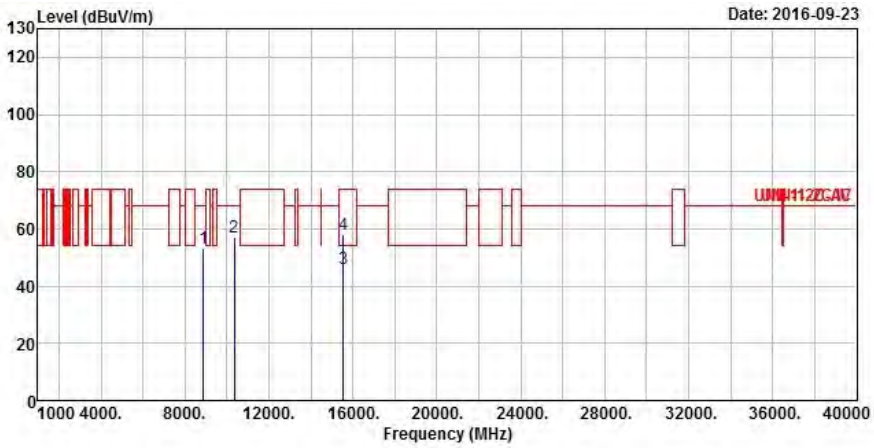
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (MHz)**	5240
N_{TX}	2	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	6987.000	52.31	-15.99	68.30	44.94	35.27	7.49	35.39	Peak
2	10480.000	56.94	-11.36	68.30	43.29	39.67	9.48	35.50	Peak
3	15720.000	48.70	-5.30	54.00	35.01	38.02	11.40	35.73	Average
4	15720.000	60.48	-13.52	74.00	46.79	38.02	11.40	35.73	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

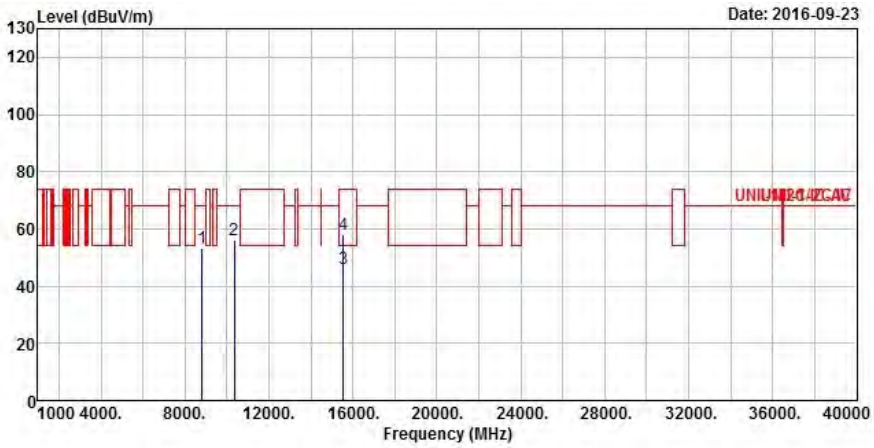
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20	**Test Freq. (MHz)**	5180
N_{TX}	2	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	8896.000	53.39	-14.91	68.30	43.55	37.28	8.30	35.74	Peak
2	10360.000	56.87	-11.43	68.30	43.59	39.48	9.41	35.61	Peak
3	15540.000	46.07	-7.93	54.00	31.75	38.41	11.54	35.63	Average
4	15540.000	57.95	-16.05	74.00	43.63	38.41	11.54	35.63	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

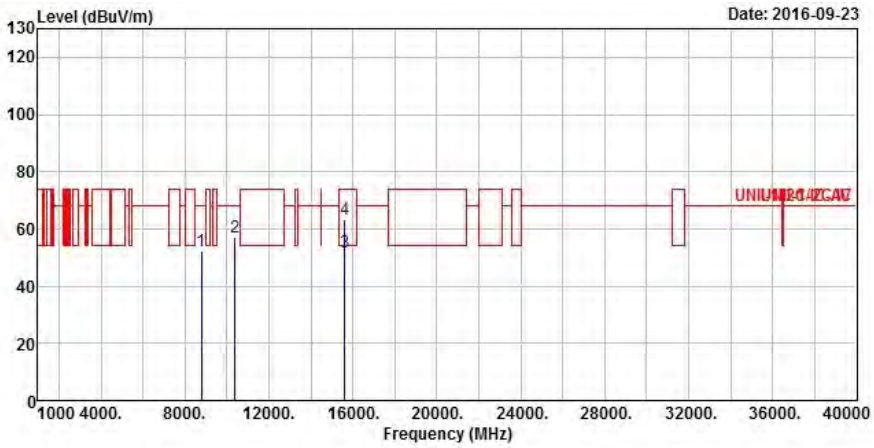
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20	**Test Freq. (MHz)**	5180
N_{TX}	2	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	8812.000	53.08	-15.22	68.30	43.34	37.17	8.29	35.72	Peak
2	10360.000	56.25	-12.05	68.30	42.97	39.48	9.41	35.61	Peak
3	15540.000	45.97	-8.03	54.00	31.65	38.41	11.54	35.63	Average
4	15540.000	58.20	-15.80	74.00	43.88	38.41	11.54	35.63	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

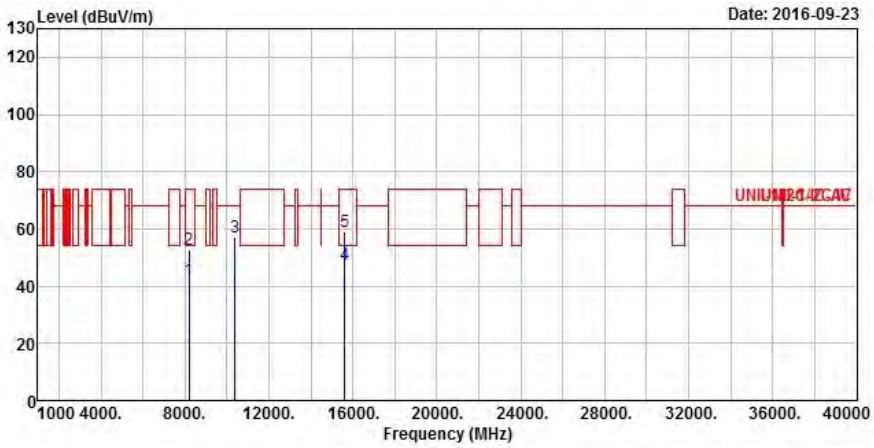
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20	**Test Freq. (MHz)**	5200
N_{TX}	2	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	8792.000	52.40	-15.90	68.30	42.68	37.15	8.29	35.72	Peak
2	10400.000	57.08	-11.22	68.30	43.68	39.54	9.44	35.58	Peak
3	15600.000	51.89	-2.11	54.00	37.78	38.28	11.50	35.67	Average
4	15600.000	63.51	-10.49	74.00	49.40	38.28	11.50	35.67	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

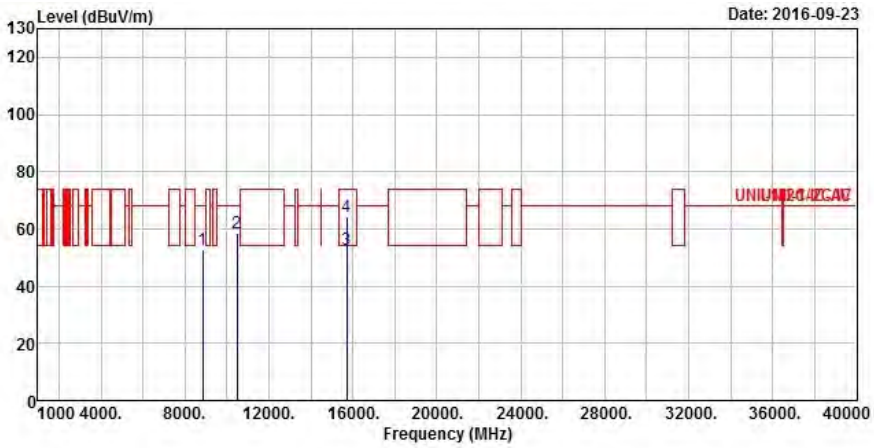
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20	**Test Freq. (MHz)**	5200
N_{TX}	2	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	8200.000	42.45	-11.55	54.00	32.95	37.04	8.11	35.65	Average
2	8200.000	52.99	-21.01	74.00	43.49	37.04	8.11	35.65	Peak
3	10400.000	56.95	-11.35	68.30	43.55	39.54	9.44	35.58	Peak
4	15600.000	47.66	-6.34	54.00	33.55	38.28	11.50	35.67	Average
5	15600.000	58.79	-15.21	74.00	44.68	38.28	11.50	35.67	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

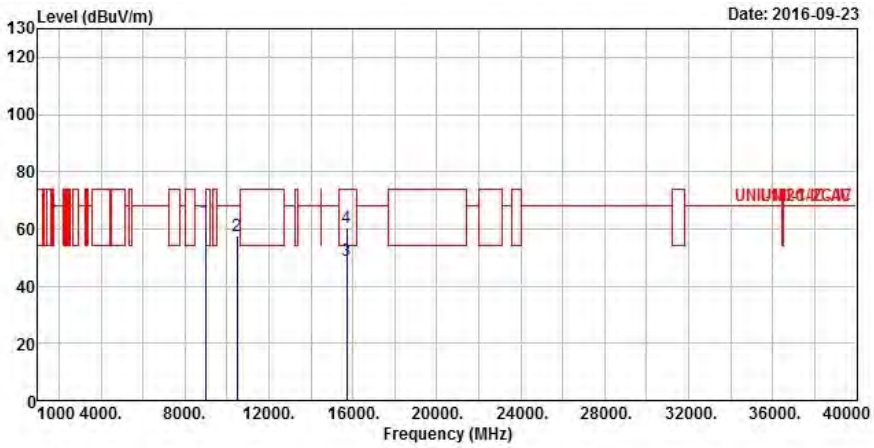
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20	**Test Freq. (MHz)**	5240
N_{TX}	2	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	8852.000	52.89	-15.41	68.30	43.10	37.22	8.30	35.73	Peak
2	10480.000	58.75	-9.55	68.30	45.10	39.67	9.48	35.50	Peak
3	15720.000	52.58	-1.42	54.00	38.89	38.02	11.40	35.73	Average
4	15720.000	64.41	-9.59	74.00	50.72	38.02	11.40	35.73	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

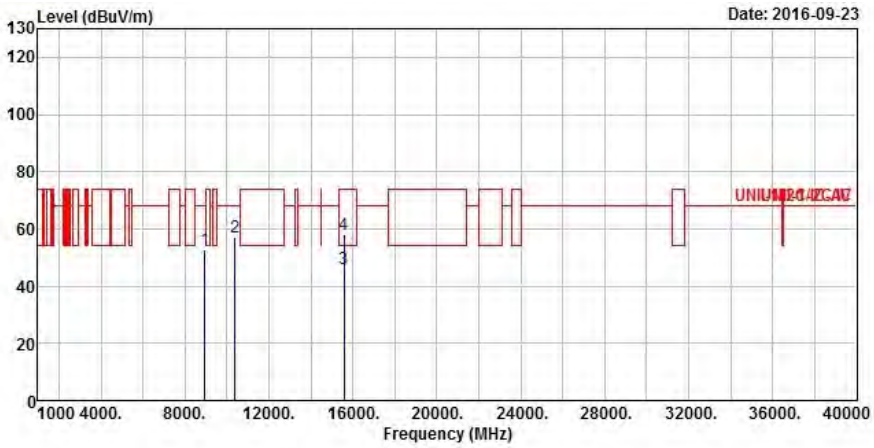
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20	**Test Freq. (MHz)**	5240
N_{TX}	2	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	8988.000	62.68	-5.62	68.30	52.73	37.39	8.31	35.75	Peak
2	10480.000	57.78	-10.52	68.30	44.13	39.67	9.48	35.50	Peak
3	15720.000	49.06	-4.94	54.00	35.37	38.02	11.40	35.73	Average
4	15720.000	60.37	-13.63	74.00	46.68	38.02	11.40	35.73	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

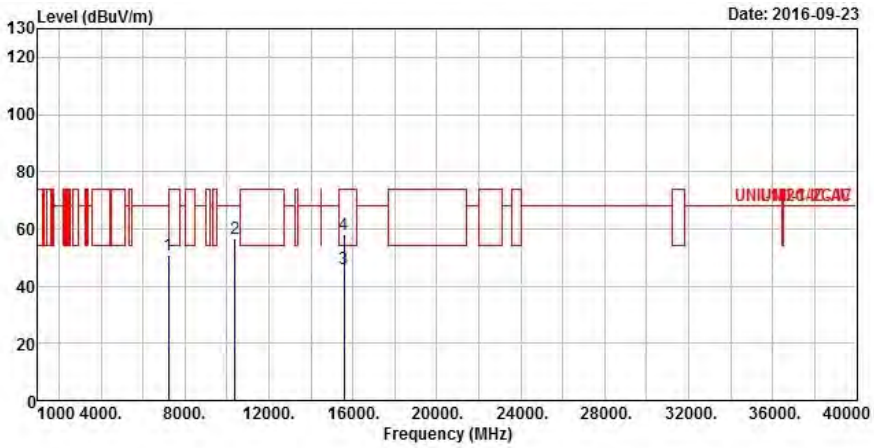
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT40	**Test Freq. (MHz)**	5190
N_{TX}	2	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	8940.000	52.78	-15.52	68.30	42.88	37.33	8.31	35.74	Peak
2	10380.000	56.99	-11.31	68.30	43.64	39.51	9.44	35.60	Peak
3	15570.000	46.03	-7.97	54.00	31.83	38.35	11.50	35.65	Average
4	15570.000	58.15	-15.85	74.00	43.95	38.35	11.50	35.65	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

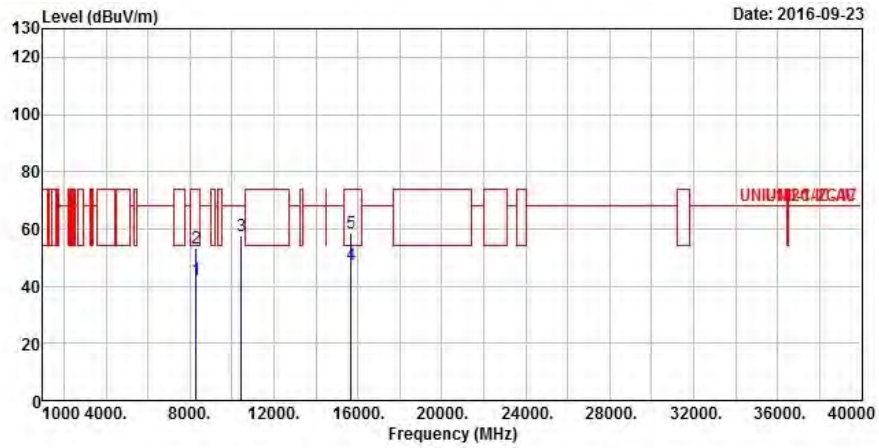
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT40	**Test Freq. (MHz)**	5190
N_{TX}	2	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7204.000	50.66	-17.64	68.30	42.68	35.83	7.56	35.41	Peak
2	10380.000	56.61	-11.69	68.30	43.26	39.51	9.44	35.60	Peak
3	15570.000	46.10	-7.90	54.00	31.90	38.35	11.50	35.65	Average
4	15570.000	58.24	-15.76	74.00	44.04	38.35	11.50	35.65	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

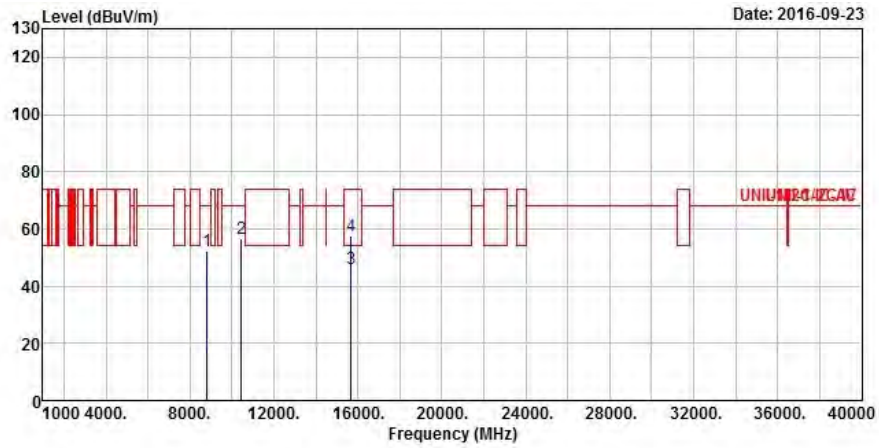
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT40	**Test Freq. (MHz)**	5230
N_{TX}	2	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	8312.000	42.37	-11.63	54.00	32.92	36.95	8.16	35.66	Average
2	8312.000	53.21	-20.79	74.00	43.76	36.95	8.16	35.66	Peak
3	10460.000	57.47	-10.83	68.30	43.87	39.64	9.48	35.52	Peak
4	15690.000	47.43	-6.57	54.00	33.67	38.08	11.40	35.72	Average
5	15690.000	58.57	-15.43	74.00	44.81	38.08	11.40	35.72	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

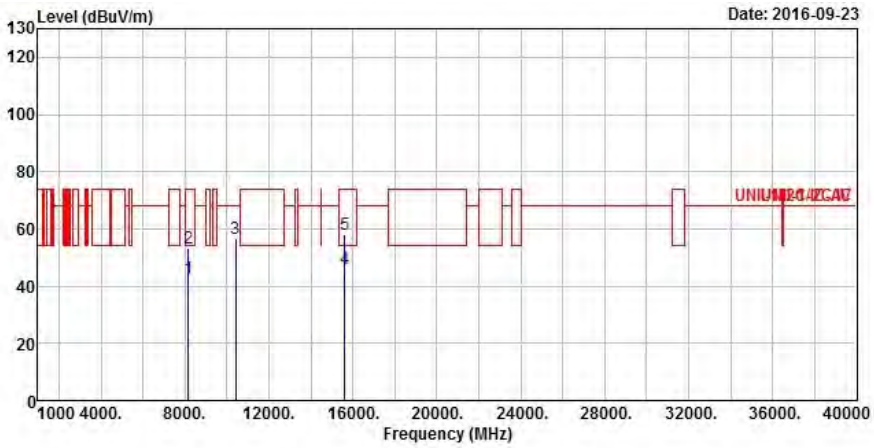
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT40	**Test Freq. (MHz)**	5230
N_{TX}	2	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	8808.000	52.51	-15.79	68.30	42.77	37.17	8.29	35.72	Peak
2	10460.000	56.61	-11.69	68.30	43.01	39.64	9.48	35.52	Peak
3	15690.000	46.22	-7.78	54.00	32.46	38.08	11.40	35.72	Average
4	15690.000	57.76	-16.24	74.00	44.00	38.08	11.40	35.72	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

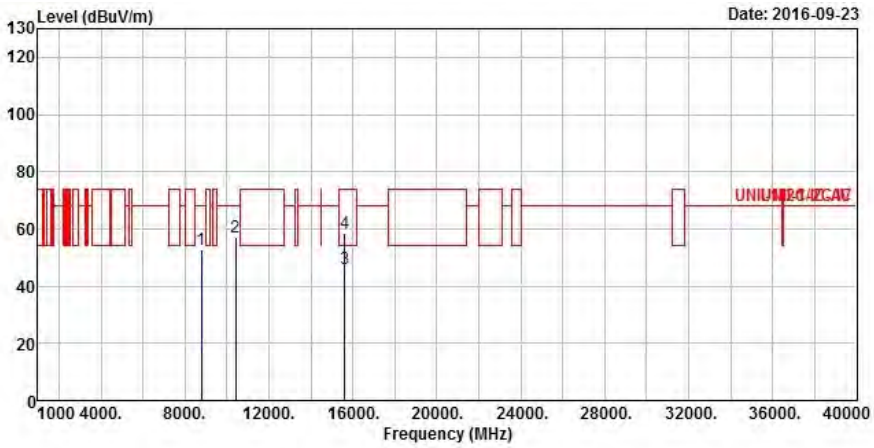
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT80	**Test Freq. (MHz)**	5210
N_{TX}	2	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	8152.000	42.55	-11.45	54.00	33.05	37.08	8.07	35.65	Average
2	8152.000	53.07	-20.93	74.00	43.57	37.08	8.07	35.65	Peak
3	10420.000	56.68	-11.62	68.30	43.21	39.57	9.46	35.56	Peak
4	15630.000	45.95	-8.05	54.00	31.95	38.21	11.47	35.68	Average
5	15630.000	58.05	-15.95	74.00	44.05	38.21	11.47	35.68	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT80	**Test Freq. (MHz)**	5210
N_{TX}	2	**Polarization**	H

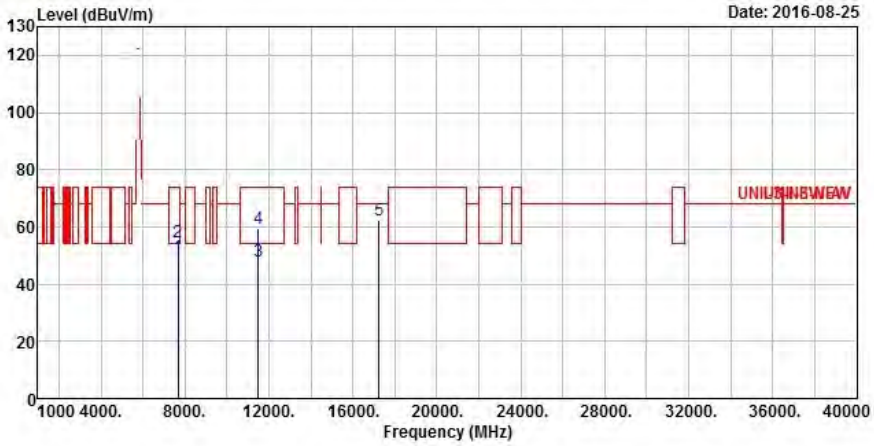


	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	8776.000	52.66	-15.64	68.30	42.96	37.13	8.29	35.72	Peak
2	10420.000	57.27	-11.03	68.30	43.80	39.57	9.46	35.56	Peak
3	15630.000	45.86	-8.14	54.00	31.86	38.21	11.47	35.68	Average
4	15630.000	58.56	-15.44	74.00	44.56	38.21	11.47	35.68	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

Transmitter Radiated Unwanted Emissions (Above 1GHz) for 5725-5850MHz

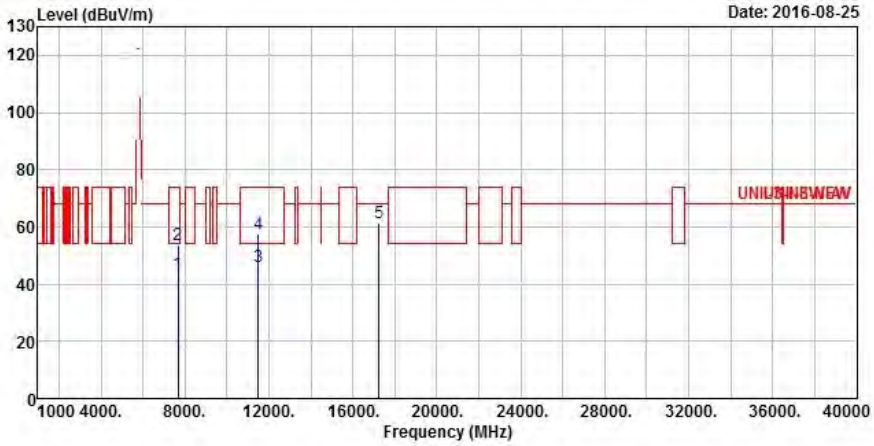
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (MHz)**	5745
N_{TX}	2	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7660.000	49.26	-4.74	54.00	40.20	36.79	7.77	35.50	Average
2	7660.000	54.89	-19.11	74.00	45.83	36.79	7.77	35.50	Peak
3	11490.000	47.76	-6.24	54.00	33.20	40.10	9.74	35.28	Average
4	11490.000	59.68	-14.32	74.00	45.12	40.10	9.74	35.28	Peak
5	17235.000	62.13	-6.17	68.30	44.24	41.05	11.93	35.09	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

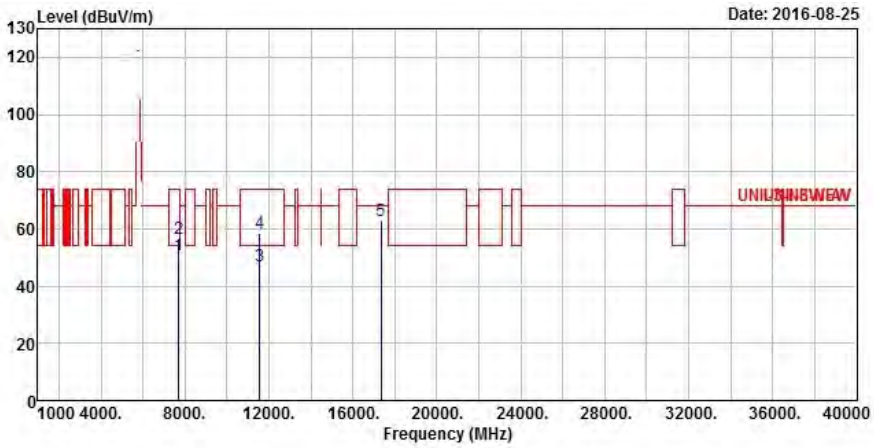
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (MHz)**	5745
N_{TX}	2	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7660.000	43.76	-10.24	54.00	34.70	36.79	7.77	35.50	Average
2	7660.000	53.64	-20.36	74.00	44.58	36.79	7.77	35.50	Peak
3	11490.000	45.82	-8.18	54.00	31.26	40.10	9.74	35.28	Average
4	11490.000	57.36	-16.64	74.00	42.80	40.10	9.74	35.28	Peak
5	17235.000	61.38	-6.92	68.30	43.49	41.05	11.93	35.09	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

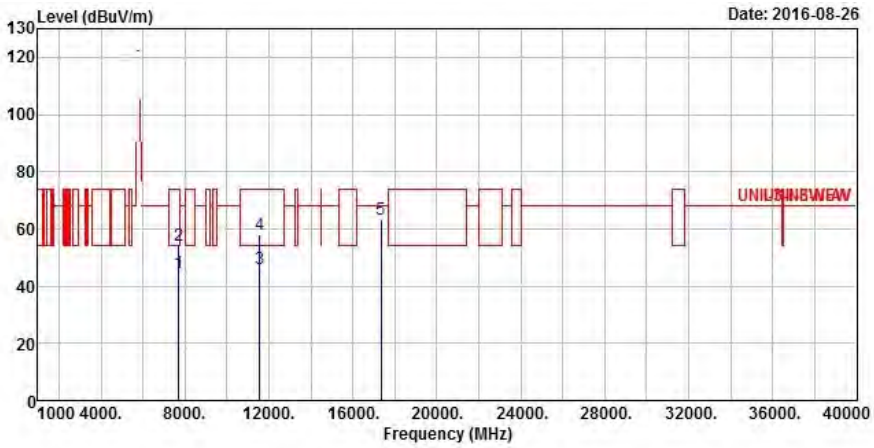
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (MHz)**	5785
N_{TX}	2	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7713.000	50.79	-3.21	54.00	41.65	36.86	7.80	35.52	Average
2	7713.000	56.68	-17.32	74.00	47.54	36.86	7.80	35.52	Peak
3	11570.000	47.08	-6.92	54.00	32.67	39.93	9.79	35.31	Average
4	11570.000	58.60	-15.40	74.00	44.19	39.93	9.79	35.31	Peak
5	17355.000	63.01	-5.29	68.30	44.79	41.44	11.92	35.14	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

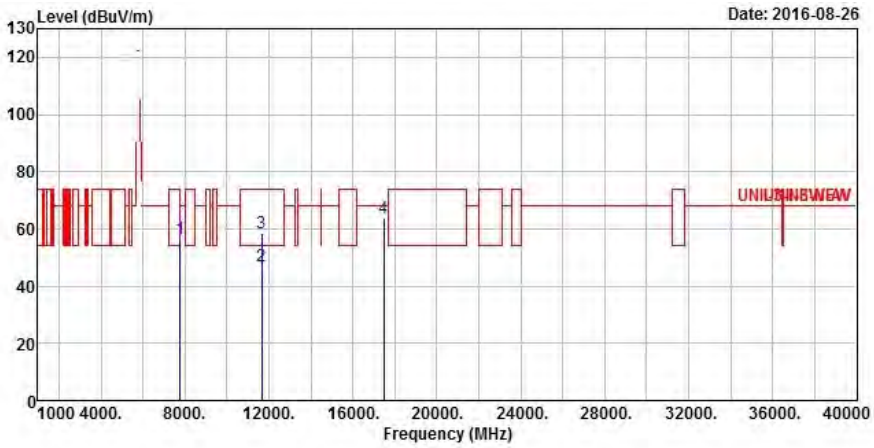
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (MHz)**	5785
N_{TX}	2	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7713.000	44.61	-9.39	54.00	35.47	36.86	7.80	35.52	Average
2	7713.000	54.31	-19.69	74.00	45.17	36.86	7.80	35.52	Peak
3	11570.000	46.09	-7.91	54.00	31.68	39.93	9.79	35.31	Average
4	11570.000	58.18	-15.82	74.00	43.77	39.93	9.79	35.31	Peak
5	17355.000	63.16	-5.14	68.30	44.94	41.44	11.92	35.14	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

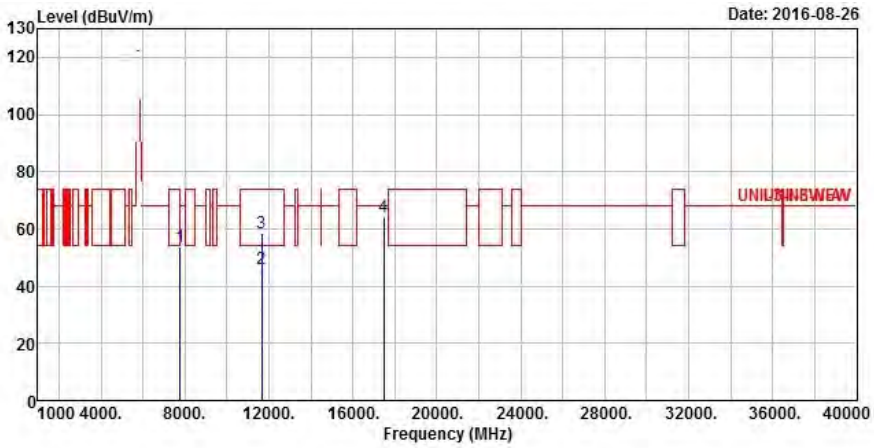
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (MHz)**	5825
N_{TX}	2	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7767.000	56.49	-11.81	68.30	47.26	36.92	7.85	35.54	Peak
2	11650.000	47.11	-6.89	54.00	32.87	39.74	9.84	35.34	Average
3	11650.000	58.64	-15.36	74.00	44.40	39.74	9.84	35.34	Peak
4	17475.000	63.68	-4.62	68.30	45.14	41.82	11.90	35.18	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

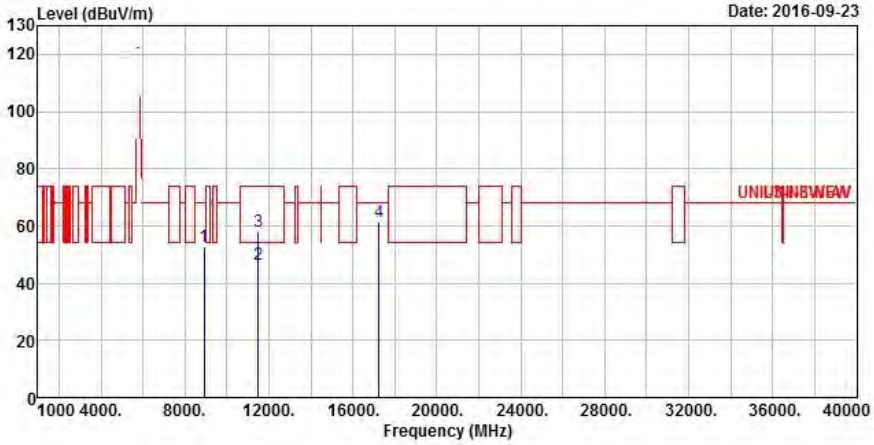
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (MHz)**	5825
N_{TX}	2	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7767.000	53.78	-14.52	68.30	44.55	36.92	7.85	35.54	Peak
2	11650.000	46.03	-7.97	54.00	31.79	39.74	9.84	35.34	Average
3	11650.000	58.36	-15.64	74.00	44.12	39.74	9.84	35.34	Peak
4	17475.000	64.09	-4.21	68.30	45.55	41.82	11.90	35.18	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

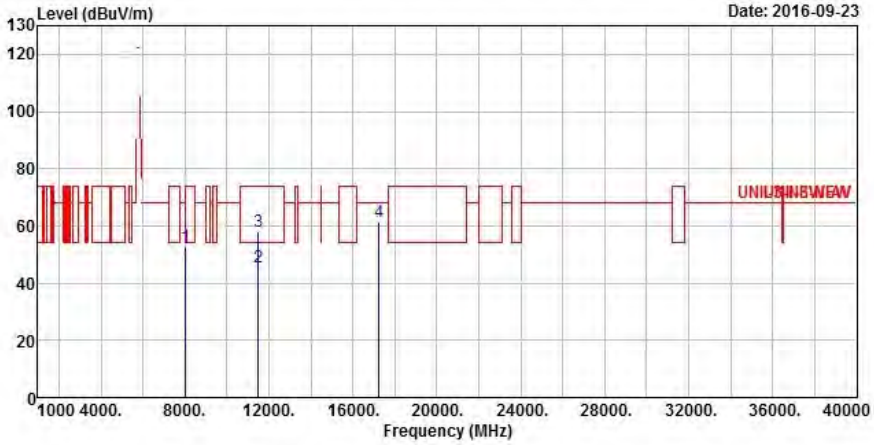
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20	**Test Freq. (MHz)**	5745
N_{TX}	2	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	8912.000	52.77	-15.53	68.30	42.92	37.29	8.30	35.74	Peak
2	11490.000	46.44	-7.56	54.00	31.88	40.10	9.74	35.28	Average
3	11490.000	58.01	-15.99	74.00	43.45	40.10	9.74	35.28	Peak
4	17235.000	61.42	-6.88	68.30	43.53	41.05	11.93	35.09	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

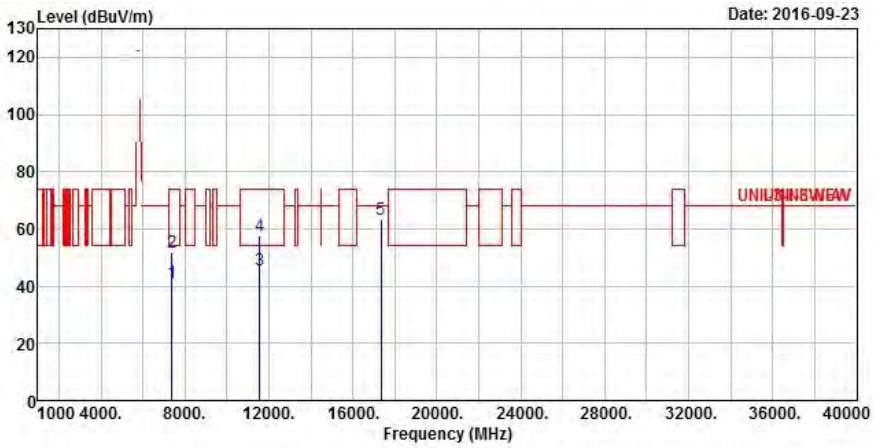
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20	**Test Freq. (MHz)**	5745
N_{TX}	2	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	8020.000	52.68	-15.62	68.30	43.13	37.18	8.00	35.63	Peak
2	11490.000	45.51	-8.49	54.00	30.95	40.10	9.74	35.28	Average
3	11490.000	57.89	-16.11	74.00	43.33	40.10	9.74	35.28	Peak
4	17235.000	61.50	-6.80	68.30	43.61	41.05	11.93	35.09	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

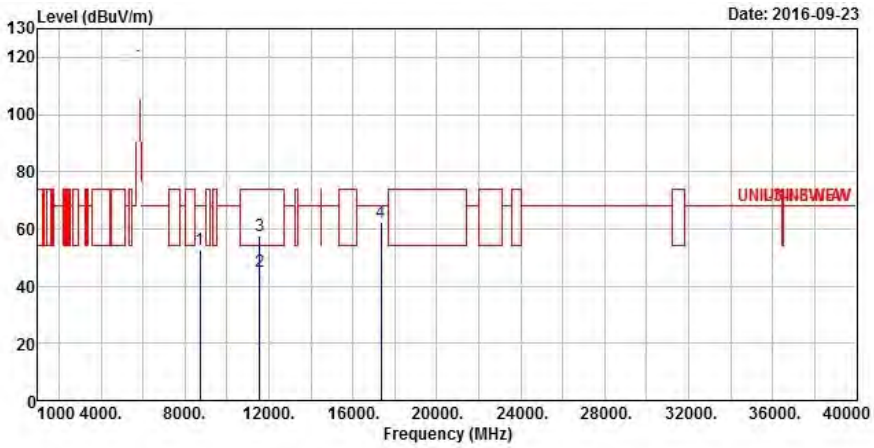
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20	**Test Freq. (MHz)**	5785
N_{TX}	2	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7376.000	41.29	-12.71	54.00	32.83	36.28	7.61	35.43	Average
2	7376.000	51.84	-22.16	74.00	43.38	36.28	7.61	35.43	Peak
3	11570.000	45.63	-8.37	54.00	31.22	39.93	9.79	35.31	Average
4	11570.000	57.54	-16.46	74.00	43.13	39.93	9.79	35.31	Peak
5	17355.000	63.18	-5.12	68.30	44.96	41.44	11.92	35.14	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

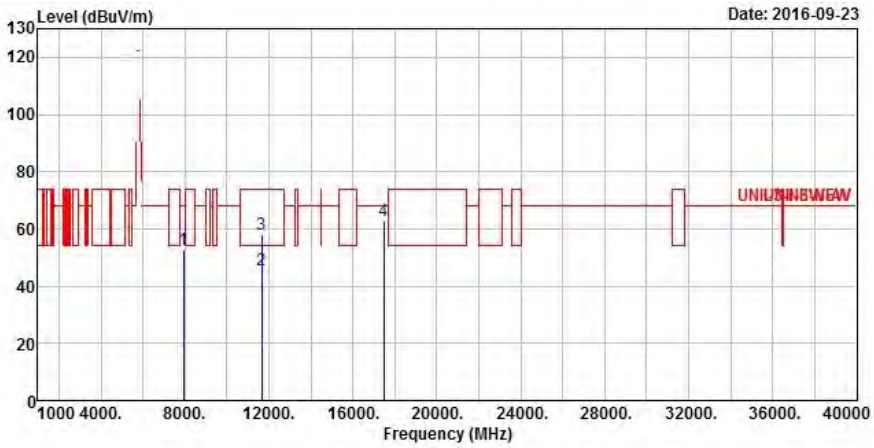
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20	**Test Freq. (MHz)**	5785
N_{TX}	2	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	8708.000	52.92	-15.38	68.30	43.29	37.05	8.29	35.71	Peak
2	11570.000	45.24	-8.76	54.00	30.83	39.93	9.79	35.31	Average
3	11570.000	57.62	-16.38	74.00	43.21	39.93	9.79	35.31	Peak
4	17355.000	62.42	-5.88	68.30	44.20	41.44	11.92	35.14	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

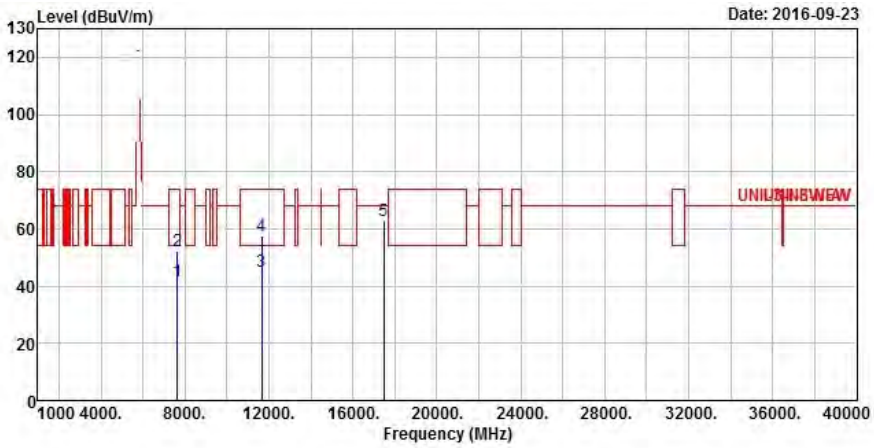
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20	**Test Freq. (MHz)**	5825
N_{TX}	2	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7928.000	52.68	-15.62	68.30	43.22	37.11	7.95	35.60	Peak
2	11650.000	45.81	-8.19	54.00	31.57	39.74	9.84	35.34	Average
3	11650.000	57.83	-16.17	74.00	43.59	39.74	9.84	35.34	Peak
4	17475.000	63.05	-5.25	68.30	44.51	41.82	11.90	35.18	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

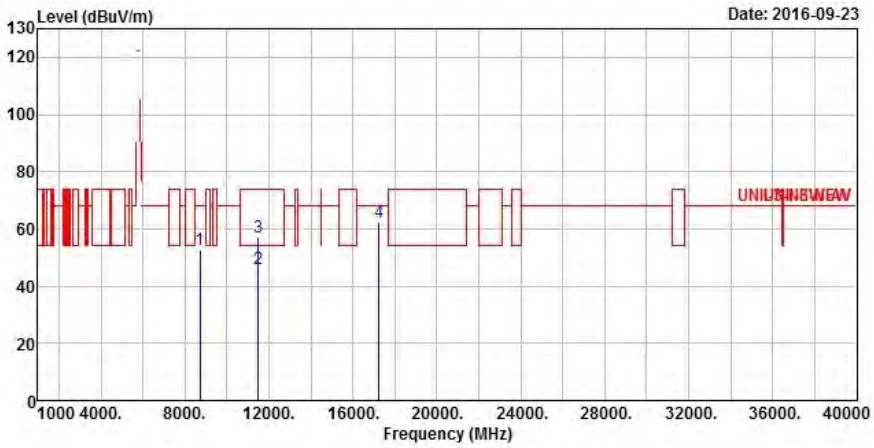
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20	**Test Freq. (MHz)**	5825
N_{TX}	2	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7632.000	41.89	-12.11	54.00	32.87	36.76	7.75	35.49	Average
2	7632.000	52.28	-21.72	74.00	43.26	36.76	7.75	35.49	Peak
3	11650.000	45.32	-8.68	54.00	31.08	39.74	9.84	35.34	Average
4	11650.000	57.45	-16.55	74.00	43.21	39.74	9.84	35.34	Peak
5	17475.000	62.81	-5.49	68.30	44.27	41.82	11.90	35.18	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

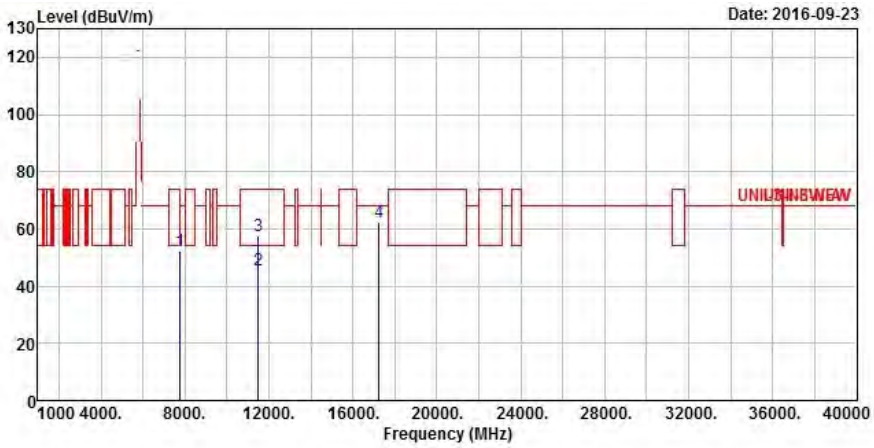
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT40	**Test Freq. (MHz)**	5755
N_{TX}	2	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	8708.000	52.53	-15.77	68.30	42.90	37.05	8.29	35.71	Peak
2	11510.000	45.88	-8.12	54.00	31.34	40.08	9.74	35.28	Average
3	11510.000	57.28	-16.72	74.00	42.74	40.08	9.74	35.28	Peak
4	17265.000	62.15	-6.15	68.30	44.19	41.15	11.92	35.11	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

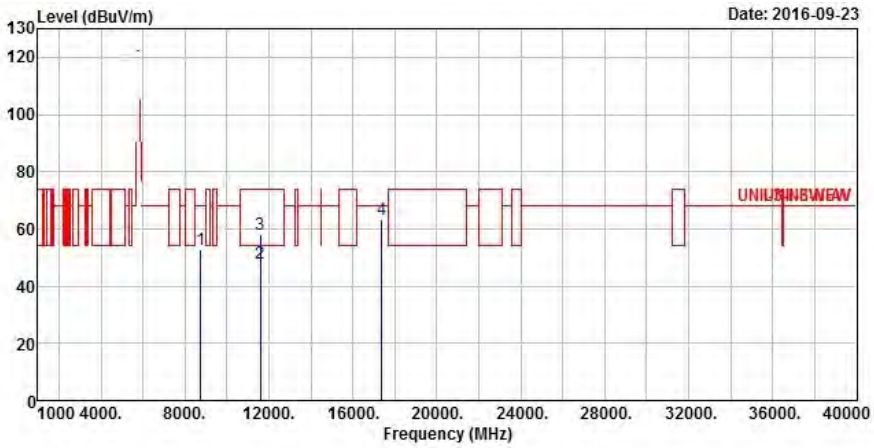
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT40	**Test Freq. (MHz)**	5755
N_{TX}	2	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7780.000	52.15	-16.15	68.30	42.91	36.94	7.85	35.55	Peak
2	11510.000	45.49	-8.51	54.00	30.95	40.08	9.74	35.28	Average
3	11510.000	57.70	-16.30	74.00	43.16	40.08	9.74	35.28	Peak
4	17265.000	62.13	-6.17	68.30	44.17	41.15	11.92	35.11	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

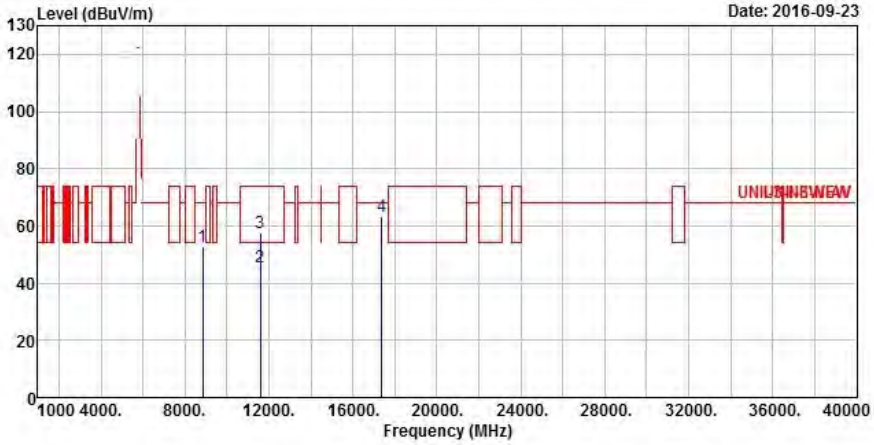
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT40	**Test Freq. (MHz)**	5795
N_{TX}	2	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	8752.000	52.91	-15.39	68.30	43.24	37.10	8.29	35.72	Peak
2	11590.000	48.14	-5.86	54.00	33.76	39.88	9.82	35.32	Average
3	11590.000	58.14	-15.86	74.00	43.76	39.88	9.82	35.32	Peak
4	17385.000	63.31	-4.99	68.30	45.02	41.53	11.91	35.15	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

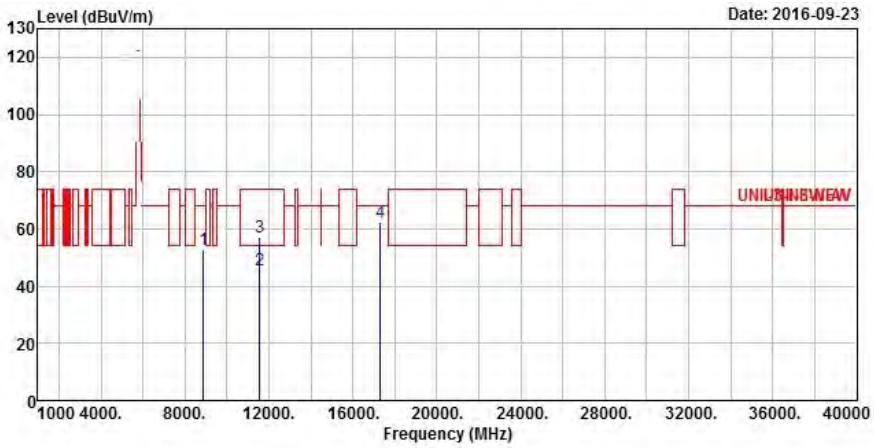
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT40	**Test Freq. (MHz)**	5795
N_{TX}	2	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	8844.000	52.53	-15.77	68.30	42.75	37.21	8.30	35.73	Peak
2	11590.000	45.50	-8.50	54.00	31.12	39.88	9.82	35.32	Average
3	11590.000	57.79	-16.21	74.00	43.41	39.88	9.82	35.32	Peak
4	17385.000	63.13	-5.17	68.30	44.84	41.53	11.91	35.15	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

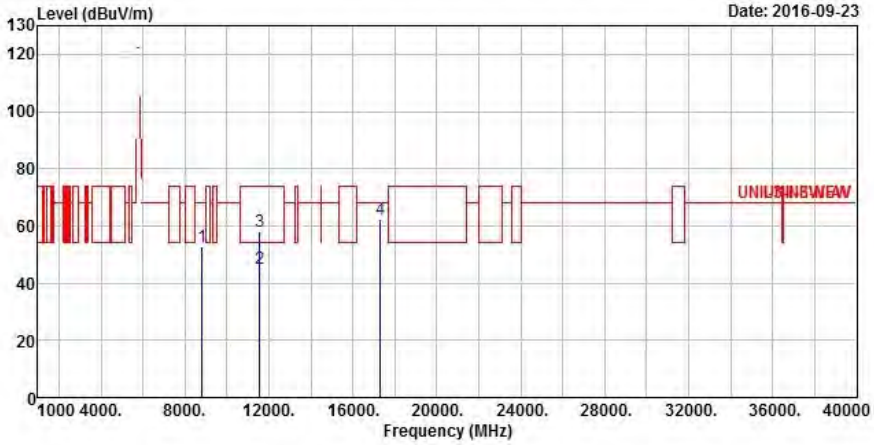
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT80	**Test Freq. (MHz)**	5775
N_{TX}	2	**Polarization**	V



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	8888.000	52.53	-15.77	68.30	42.69	37.27	8.30	35.73	Peak
2	11550.000	45.35	-8.65	54.00	30.88	39.98	9.79	35.30	Average
3	11550.000	57.22	-16.78	74.00	42.75	39.98	9.79	35.30	Peak
4	17325.000	62.30	-6.00	68.30	44.17	41.34	11.92	35.13	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT80	**Test Freq. (MHz)**	5775
N_{TX}	2	**Polarization**	H



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	8804.000	52.66	-15.64	68.30	42.93	37.16	8.29	35.72	Peak
2	11550.000	45.28	-8.72	54.00	30.81	39.98	9.79	35.30	Average
3	11550.000	57.95	-16.05	74.00	43.48	39.98	9.79	35.30	Peak
4	17325.000	62.34	-5.96	68.30	44.21	41.34	11.92	35.13	Peak

Note 1: “>20dB” means spurious emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found spurious emissions (No spurious emissions were detected.)
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

Summary

Mode	Result	Ch (Hz)	Center (Hz)	Fl (Hz)	Fh (Hz)	ppm	Limit (ppm)	Port	Remark
5.2G;11a;20;1;2;5200;M;T40,VN	Pass	5.2G	5.19997759G	NaN	NaN	4.31	20	1	0 min

Result

Mode	Result	Ch (Hz)	Center (Hz)	Fl (Hz)	Fh (Hz)	ppm	Limit (ppm)	Port	Remark
5.2G;11a;20;1;2;5200;M;TN,VN	Pass	5.2G	5.19998928G	NaN	NaN	2.061	20	1	0 min
5.2G;11a;20;1;2;5200;M;TN,VN	Pass	5.2G	5.19998927G	NaN	NaN	2.064	20	1	2 min
5.2G;11a;20;1;2;5200;M;TN,VN	Pass	5.2G	5.19998926G	NaN	NaN	2.065	20	1	5 min
5.2G;11a;20;1;2;5200;M;TN,VN	Pass	5.2G	5.19998924G	NaN	NaN	2.068	20	1	10 min
5.2G;11a;20;1;2;5200;M;TN,VL	Pass	5.2G	5.19998921G	NaN	NaN	2.075	20	1	0 min
5.2G;11a;20;1;2;5200;M;TN,VL	Pass	5.2G	5.19998921G	NaN	NaN	2.075	20	1	2 min
5.2G;11a;20;1;2;5200;M;TN,VL	Pass	5.2G	5.19998923G	NaN	NaN	2.071	20	1	5 min
5.2G;11a;20;1;2;5200;M;TN,VL	Pass	5.2G	5.19998924G	NaN	NaN	2.069	20	1	10 min
5.2G;11a;20;1;2;5200;M;TN,VH	Pass	5.2G	5.19998922G	NaN	NaN	2.073	20	1	0 min
5.2G;11a;20;1;2;5200;M;TN,VH	Pass	5.2G	5.19998922G	NaN	NaN	2.072	20	1	2 min
5.2G;11a;20;1;2;5200;M;TN,VH	Pass	5.2G	5.19998922G	NaN	NaN	2.073	20	1	5 min
5.2G;11a;20;1;2;5200;M;TN,VH	Pass	5.2G	5.19998925G	NaN	NaN	2.067	20	1	10 min
5.2G;11a;20;1;2;5200;M;T40,VN	Pass	5.2G	5.19997759G	NaN	NaN	4.31	20	1	0 min
5.2G;11a;20;1;2;5200;M;T40,VN	Pass	5.2G	5.19997761G	NaN	NaN	4.306	20	1	2 min
5.2G;11a;20;1;2;5200;M;T40,VN	Pass	5.2G	5.19997765G	NaN	NaN	4.298	20	1	5 min
5.2G;11a;20;1;2;5200;M;T40,VN	Pass	5.2G	5.19997762G	NaN	NaN	4.305	20	1	10 min
5.2G;11a;20;1;2;5200;M;T30,VN	Pass	5.2G	5.19997912G	NaN	NaN	4.016	20	1	0 min
5.2G;11a;20;1;2;5200;M;T30,VN	Pass	5.2G	5.19997912G	NaN	NaN	4.015	20	1	2 min
5.2G;11a;20;1;2;5200;M;T30,VN	Pass	5.2G	5.19997911G	NaN	NaN	4.018	20	1	5 min
5.2G;11a;20;1;2;5200;M;T30,VN	Pass	5.2G	5.19997911G	NaN	NaN	4.018	20	1	10 min
5.2G;11a;20;1;2;5200;M;T20,VN	Pass	5.2G	5.19998936G	NaN	NaN	2.046	20	1	0 min
5.2G;11a;20;1;2;5200;M;T20,VN	Pass	5.2G	5.19998934G	NaN	NaN	2.05	20	1	2 min
5.2G;11a;20;1;2;5200;M;T20,VN	Pass	5.2G	5.19998932G	NaN	NaN	2.054	20	1	5 min
5.2G;11a;20;1;2;5200;M;T20,VN	Pass	5.2G	5.19998933G	NaN	NaN	2.052	20	1	10 min
5.2G;11a;20;1;2;5200;M;T10,VN	Pass	5.2G	5.20000273G	NaN	NaN	0.524	20	1	0 min
5.2G;11a;20;1;2;5200;M;T10,VN	Pass	5.2G	5.20000271G	NaN	NaN	0.522	20	1	2 min
5.2G;11a;20;1;2;5200;M;T10,VN	Pass	5.2G	5.2000027G	NaN	NaN	0.52	20	1	5 min
5.2G;11a;20;1;2;5200;M;T10,VN	Pass	5.2G	5.2000027G	NaN	NaN	0.519	20	1	10 min
5.2G;11a;20;1;2;5200;M;T0,VN	Pass	5.2G	5.20001658G	NaN	NaN	3.188	20	1	0 min
5.2G;11a;20;1;2;5200;M;T0,VN	Pass	5.2G	5.20001657G	NaN	NaN	3.187	20	1	2 min
5.2G;11a;20;1;2;5200;M;T0,VN	Pass	5.2G	5.20001656G	NaN	NaN	3.185	20	1	5 min
5.2G;11a;20;1;2;5200;M;T0,VN	Pass	5.2G	5.20001656G	NaN	NaN	3.185	20	1	10 min