FCC Test Report

Equipment	:	**RV340W Dual WAN Wireless-AC VPN Router**
Brand Name	:	**CISCO**
Model No.	:	**RV340W**
FCC ID	:	**VUI-RV340W**
Standard	:	**47 CFR FCC Part 15.407**
Operating Band	:	**5150 MHz – 5250 MHz** **5250 MHz – 5350 MHz** **5470 MHz – 5725 MHz** **5725 MHz – 5850 MHz**
FCC Classification	:	**NII**
Applicant	:	**PEGATRON CORPORATION** 5F., NO. 76, LIGONG ST., BEITOU DISTRICT, TAIPEI CITY 11259 Taiwan
Manufacturer	:	**MAINTEK COMPUTER (SUZHOU) CO., LTD** Bldg. 6 NB, 233 Jin Feng Rd, Suzhou District Jiangsu China

The product sample received on Jun. 06, 2016 and completely tested on Jun. 29, 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

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Summary of Test Result

Conformance Test Specifications			
Report Clause	**Ref. Std. Clause**	**Description**	**Result**
1.1.2	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)	RF Output Power (Maximum Conducted Output Power)	Complied
3.4	15.407(a)	Peak Power Spectral Density	Complied
3.5	15.407(b)	Transmitter Bandedge Emissions	Complied
3.6	15.407(b)	Transmitter Unwanted Emissions	Complied
3.7	15.407(g)	Frequency Stability	Complied

Revision History

Report No.	Version	Description	Issued Date
FR660601AN	Rev. 01	Initial issue of report	Aug. 15, 2016

1 General Description

1.1 Information

This product supports non-beamforming for only a mode and beamforming for only ac mode.

1.1.1 RF General Information

RF General Information (5150-5250MHz band)					
Frequency Range (MHz)	**IEEE Std. 802.11**	**Ch. Freq. (MHz)**	**Channel Number**	**Transmit Chains (N_{TX})**	**RF Output Power (dBm)**
5150-5250	a	5180-5240	36-48 [4]	4	23.79
5150-5250	ac (VHT20) (Beamforming)	5180-5240	36-48 [4]	4	24.05
5150-5250	ac (VHT40) (Beamforming)	5190-5230	38-46 [2]	4	22.08
5150-5250	ac (VHT80) (Beamforming)	5210	42 [1]	4	17.59
Note 1: RF output power specifies that Maximum Conducted Output Power. Note 2: 802.11a uses a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation. Note 3: VHT20, VHT40 and VHT80 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.					

RF General Information (5250-5350MHz band)					
Frequency Range (MHz)	**IEEE Std. 802.11**	**Ch. Freq. (MHz)**	**Channel Number**	**Transmit Chains (N_{TX})**	**RF Output Power (dBm)**
5250-5350	a	5260-5320	52-64 [4]	4	16.97
5250-5350	ac (VHT20) (Beamforming)	5260-5320	52-64 [4]	4	17.28
5250-5350	ac (VHT40) (Beamforming)	5270-5310	54-62 [2]	4	18.94
5250-5350	ac (VHT80) (Beamforming)	5290	58 [1]	4	15.54
Note 1: RF output power specifies that Maximum Conducted Output Power. Note 2: 802.11a uses a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation. Note 3: VHT20, VHT40 and VHT80 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.					

RF General Information (5470-5725MHz band)					
Frequency Range (MHz)	**IEEE Std. 802.11**	**Ch. Freq. (MHz)**	**Channel Number**	**Transmit Chains (N_{TX})**	**RF Output Power (dBm)**
5470-5725	a	5500-5700	100-140 [8]	4	17.33
5470-5725	ac (VHT20) (Beamforming)	5500-5700	100-140 [8]	4	17.57
5470-5725	ac (VHT40) (Beamforming)	5510-5670	102-134 [3]	4	19.17
5470-5725	ac (VHT80) (Beamforming)	5530	106 [1]	4	14.47
Note 1: RF output power specifies that Maximum Conducted Output Power. Note 2: 802.11a uses a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation. Note 3: VHT20, VHT40 and VHT80 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.					

RF General Information (5725-5850MHz band)					
Frequency Range (MHz)	**IEEE Std. 802.11**	**Ch. Freq. (MHz)**	**Channel Number**	**Transmit Chains (N_{TX})**	**RF Output Power (dBm)**
5725-5850	a	5745-5825	149-165 [5]	4	24.07
5725-5850	ac (VHT20) (Beamforming)	5745-5825	149-165 [5]	4	23.73
5725-5850	ac (VHT40) (Beamforming)	5755-5795	151-159 [2]	4	19.99
5725-5850	ac (VHT80) (Beamforming)	5775	155 [1]	4	14.16
Note 1: RF output power specifies that Maximum Conducted Output Power. Note 2: 802.11a uses a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation. Note 3: VHT20, VHT40 and VHT80 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.					

1.1.2 Antenna Information

Antenna Category	
☐	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	Antenna Gain (dBi)			
			Band 1	Band 2	Band 3	Band 4
1	External	Diople	4.99	4.40	4.42	5.39
2	External	Diople	3.84	3.99	4.24	5.05
3	External	Diople	3.85	4.86	4.71	5.20
4	External	Diople	4.51	5.46	5.47	5.32

☒ For radiated tests, the DFS test should be performed with lowest antenna gain (regardless of antenna type). Then Ant. No. 2 shall be performed the radiated DFS test.

☐ For conducted tests, antenna ports are used for the tests and Master lowest antenna gain [0] dBi that was used to set the DFS Detection Threshold level during calibration of the test setup.

1.1.3 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:

1.1.4 Test Signal Duty Cycle

Operated Mode for Worst Duty Cycle	
☐ Operated normally 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)**
☒ 99.17% - IEEE 802.11a	0.04
☒ 97.25% - IEEE 802.11ac (VHT20) (TxBF)	0.12
☒ 95.95% - IEEE 802.11ac (VHT40) (TxBF)	0.18
☒ 92.33% - IEEE 802.11ac (VHT80) (TxBF)	0.35

1.1.5 EUT Operational Condition

Supply Voltage	☒ AC mains	☐ DC	
Type of DC Source	☐ Transformer	☐ From System	☒ External AC adapter

1.1.6 TPC Information

Items	Description			
Communication Mode	☒	IP Based (Load Based)	☐	Frame Based
TPC Function	☒	With TPC	☐	Without TPC
TDWR Band (5600~5650MHz)	☐	With 5600~5650MHz	☒	Without 5600~5650MHz
Beamforming Function	☒	With beamforming	☐	Without beamforming
Operate Condition	☒	Indoor	☐	Outdoor

1.2 Accessories and Support Equipment

Accessories Information				
AC Adapter	Brand Name	APD	Model Name	DA-36A12
	Power Rating	I/P: 100-240V ~50/60Hz 1.0A MAX; O/P: 12V⎓3.0A		
	Power Cord	1.8 meter, non-shielded cable, with w/o ferrite core		
RJ45 Cable	Category	-	In/Out door	Indoor
	Ethernet Cable	1.87 meter, shield or non-shielded cable		
RJ45-RS-232 Cable	Category	-	In/Out door	Indoor
	Cable DB9F/RJ-45	1.9 meter, shield or non-shielded cable		

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

Support Equipment - RF Conducted				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Notebook	DELL	E6400	R33002 / DOC
2	Adapter for NB	DELL	HA65NM130	R35737 / DOC

Support Equipment - AC Conduction and Radiated Emission				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Client	-	-	-
2	Notebook	DELL	E6400	R33002 / DOC
3	Adapter for Notebook	DELL	HA65NM130	R35737 / DOC

1.3 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
- FCC KDB 789033 D02 v01r02
- FCC KDB 662911 v02r01
- FCC-16-24-UNII
- FCC KDB 644545 D03 v01

1.4 Testing Location Information

Testing Location					
☒	HWA YA	ADD : No. 52, Hwa Ya 1st Rd., Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.			
		TEL : 886-3-327-3456 FAX : 886-3-318-0055			
Test Condition		**Test Site No.**	**Test Engineer**	**Test Environment**	**Test Date**
AC Conduction		CO04-HY	Ryan	23°C / 55%	07/06/2016
RF Conducted		TH01-HY	Howard	23°C / 63%	29/06/2016
Radiated Emission		03CH03-HY	Terry	23.7°C / 52%	05/06/2016

Test site registered number [553509] with FCC.

1.5 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 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	4	6-54Mbps	6 Mbps
VHT20 (TxBF)	4	MCS 0 NSS1-8NSS1	MCS 0 NSS1
VHT40 (TxBF)	4	MCS 0 NSS1-9NSS1	MCS 0 NSS1
VHT80 (TxBF)	4	MCS 0 NSS1-9NSS1	MCS 0 NSS1

2.2 Table for Carrier Frequencies

There are three bandwidth systems.

For 20MHz bandwidth systems, use Channel 36, 40, 44, 48, 52, 56, 60, 64, 100, 104, 108, 112, 116, 132, 136, 140, 149, 153, 157, 161, 165.

For 40MHz bandwidth systems, use Channel 38, 46, 54, 62, 102, 110, 134, 151, 159.

For 80MHz bandwidth systems, use Channel 42, 58, 106, 155.

Frequency Band	Channel No.	Frequency	Channel No.	Frequency
5150~5250 MHz Band 1	36	5180 MHz	44	5220 MHz
	38	5190 MHz	46	5230 MHz
	40	5200 MHz	48	5240 MHz
	42	5210 MHz	-	-
5250~5350 MHz Band 2	52	5260 MHz	60	5300 MHz
	54	5270 MHz	62	5310 MHz
	56	5280 MHz	64	5320 MHz
	58	5290 MHz	-	-
5470~5725 MHz Band 3	100	5500 MHz	132	5660 MHz
	102	5510 MHz	134	5670 MHz
	104	5520 MHz	136	5680 MHz
	106	5530 MHz	140	5700 MHz
	108	5540 MHz	-	-
	110	5550 MHz	-	-
	112	5560 MHz	-	-
	116	5580 MHz	-	-
	-	-	-	-
5725~5850 MHz Band 4	149	5745 MHz	157	5785 MHz
	151	5755 MHz	159	5795 MHz
	153	5765 MHz	161	5805 MHz
	155	5775 MHz	165	5825 MHz

2.3 The Worst Case Power Setting Parameter

The Worst Case Power Setting Parameter (5150-5250MHz band)							
Test Software	DOS						
Modulation Mode	**N_{TX}**	**Test Frequency (MHz)**					
		NCB: 20MHz			**NCB: 40MHz**		**NCB: 80MHz**
		5180	**5200**	**5240**	**5190**	**5230**	**5210**
11a	4	72	74	72	-	-	-
VHT20 (TxBF)	4	18	18	18	-	-	-
VHT40 (TxBF)	4	-	-	-	12	16	-
VHT80 (TxBF)	4	-	-	-	-	-	12

The Worst Case Power Setting Parameter (5250-5350MHz band)							
Test Software	DOS						
Modulation Mode	**N_{TX}**	**Test Frequency (MHz)**					
		NCB: 20MHz			**NCB: 40MHz**		**NCB: 80MHz**
		5260	**5300**	**5320**	**5270**	**5310**	**5290**
11a	4	46	46	46	-	-	-
VHT20 (TxBF)	4	11	11	11	-	-	-
VHT40 (TxBF)	4	-	-	-	13	11	-
VHT80 (TxBF)	4	-	-	-	-	-	10

The Worst Case Power Setting Parameter (5470-5725MHz band)								
Test Software Version	DOS							
Modulation Mode	N_{TX}	Test Frequency (MHz)						
		NCB: 20MHz			NCB: 40MHz			NCB: 80MHz
		5500	5580	5700	5510	5550	5670	5530
11a	4	50	50	48	-	-	-	-
VHT20 (TxBF)	4	11	11	12	-	-	-	-
VHT40 (TxBF)	4	-	-	-	11	13	14	-
VHT80 (TxBF)	4	-	-	-	-	-	-	9

The Worst Case Power Setting Parameter (5725-5825MHz band)							
Test Software Version	DOS						
Modulation Mode	N_{TX}	Test Frequency (MHz)					
		NCB: 20MHz			NCB: 40MHz		NCB: 80MHz
		5745	5785	5805	5755	5795	5775
11a	4	60	76	70	-	-	-
VHT20 (TxBF)	4	12	19	14	-	-	-
VHT40 (TxBF)	4	-	-	-	9	15	-
VHT80 (TxBF)	4	-	-	-	-	-	9

2.4 The Worst Case Measurement Configuration

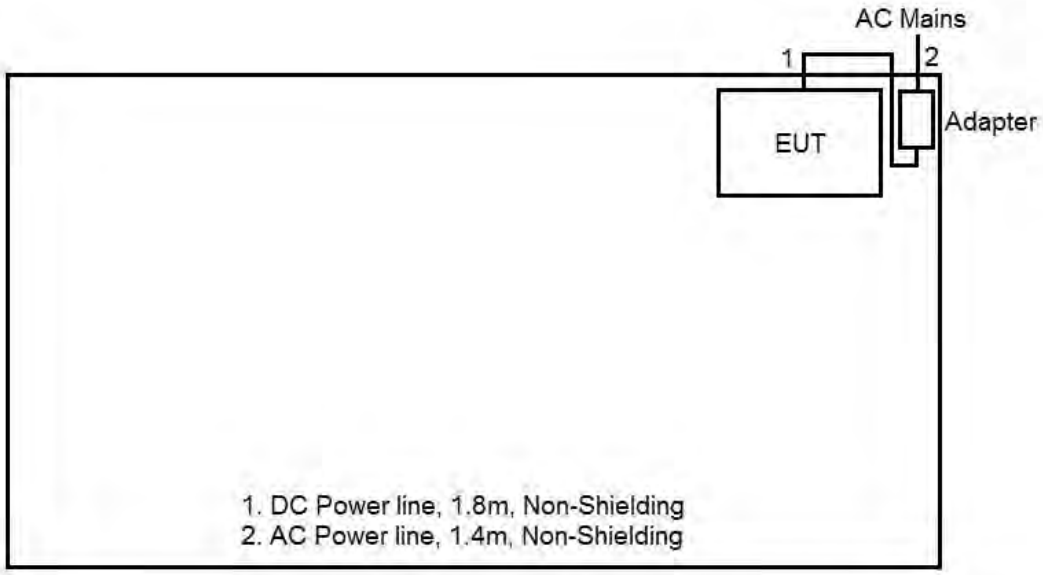
The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	Operating Mode Description
1	Adapter Mode

The Worst Case Mode for Following Conformance Tests	
Tests Item	RF Output Power, Peak Power Spectral Density, Emission Bandwidth
Test Condition	Conducted measurement at transmit chains
Modulation Mode	11a, VHT20 (TxBF), VHT40 (TxBF), VHT80 (TxBF)

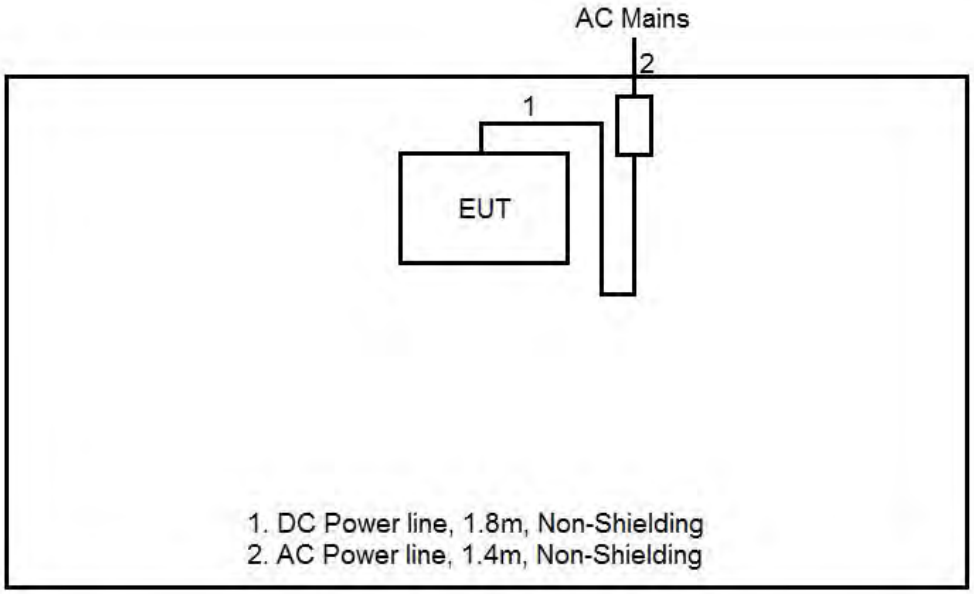
The Worst Case Mode for Following Conformance Tests			
Tests Item	Transmitter Radiated Unwanted Emissions Transmitter Radiated Bandedge Emissions		
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO 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 shall be performed three orthogonal planes.		
	☐ EUT will be a hand-held or body-worn battery-powered devices and operating multiple positions.		
Operating Mode	Operating Mode Description		
Radiated Emissions (Below 1GHz)	1. Adapter Mode		
Modulation Mode	11a, VHT20 (TxBF), VHT40 (TxBF), VHT80 (TxBF)		
Orthogonal Planes of EUT	**X Plane**	**Y Plane**	**Z Plane**
			
Worst Planes of EUT		V	
Worst Planes of Ant			V

2.5 Test Setup Diagram

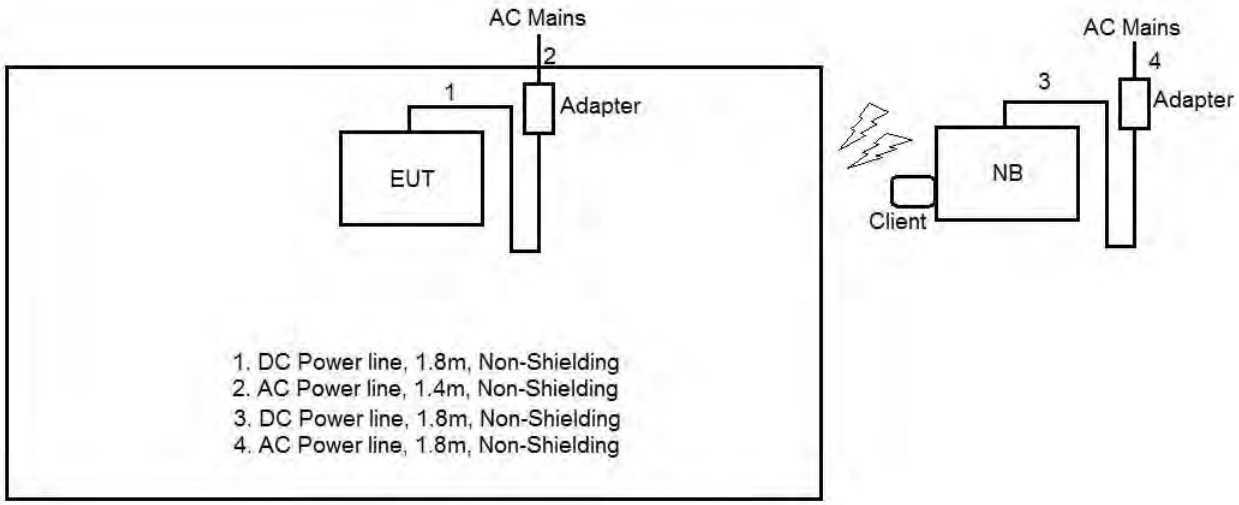
Test Setup Diagram – AC Line Conducted Emission Test



Test Setup Diagram - Radiated Test for Non-Beamforming



Test Setup Diagram - Radiated Test for Beamforming



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

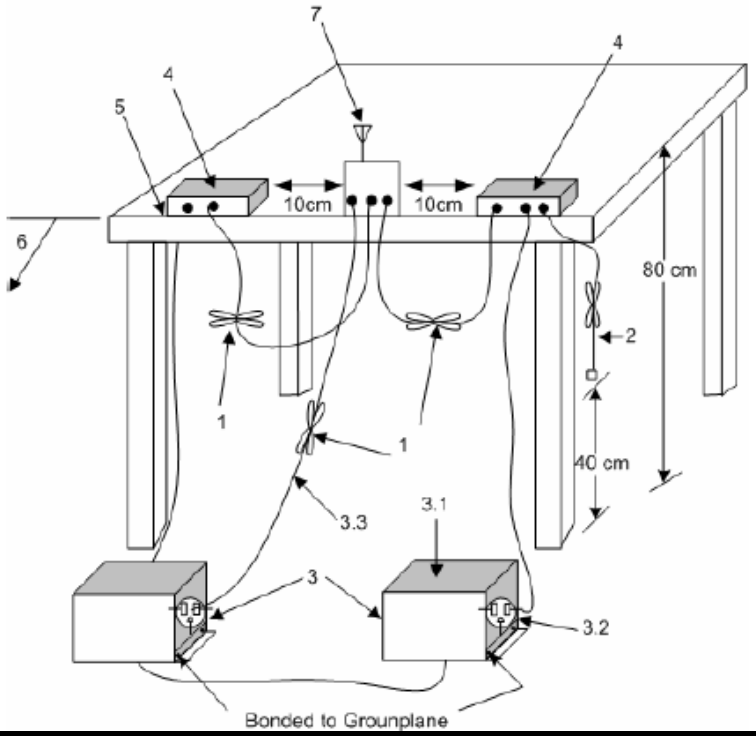
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

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

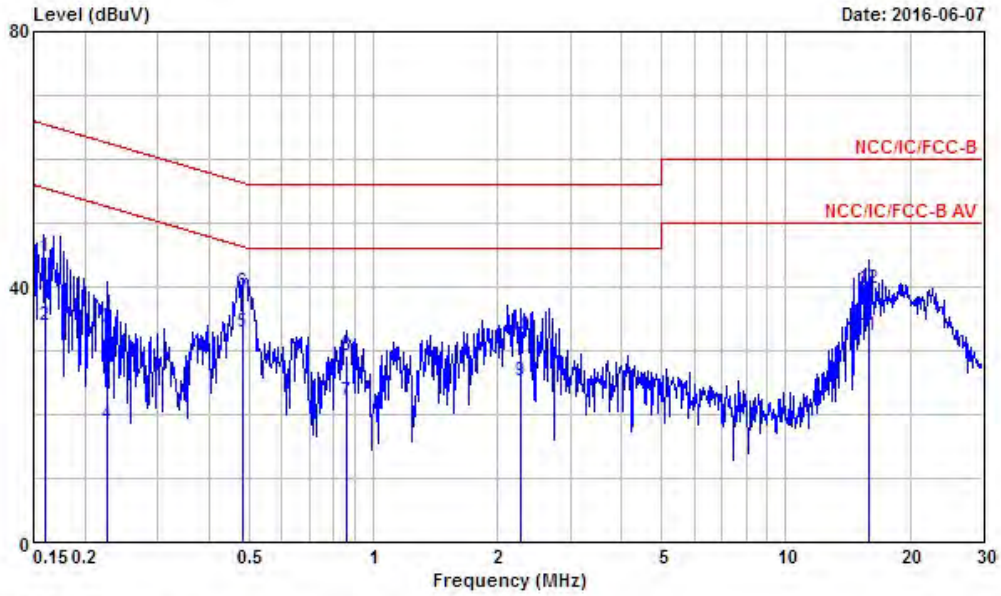
3.1.4 Test Setup

AC Power-line Conducted Emissions



3.1.5 Test Result of AC Power-line Conducted Emissions

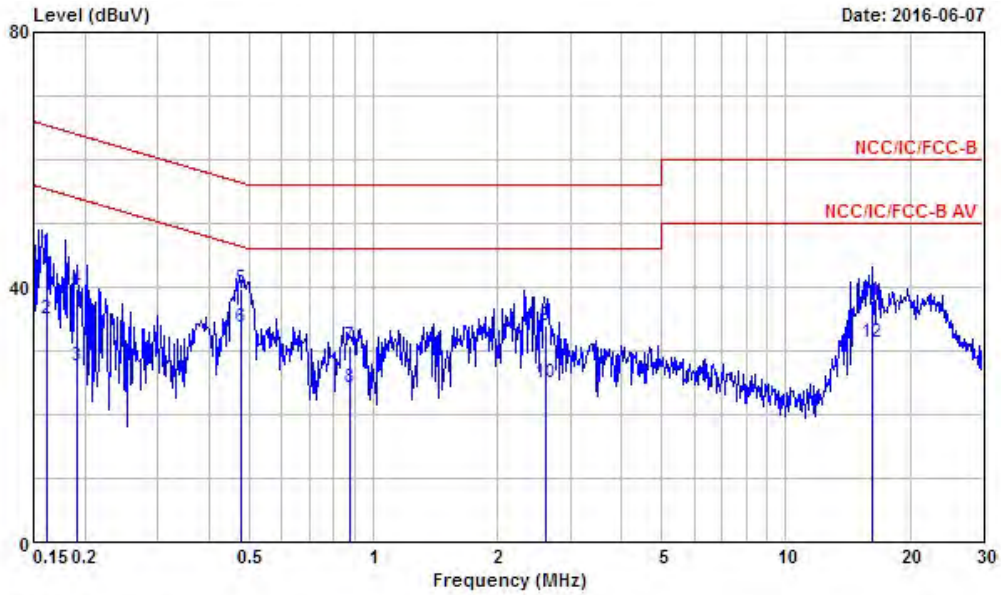
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	Adapter Mode		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	@0.1596540	44.84	-20.64	65.48	44.50	0.10	0.24	QP
2	@0.1596540	34.04	-21.44	55.48	33.70	0.10	0.24	Average
3	@0.2267630	33.57	-29.00	62.57	33.20	0.11	0.26	QP
4	@0.2267630	18.53	-34.04	52.57	18.16	0.11	0.26	Average
5	@0.4802480	32.81	-13.52	46.33	32.59	0.12	0.10	Average
6	@0.4802480	39.27	-17.06	56.33	39.05	0.12	0.10	QP
7	@0.8572950	22.14	-23.86	46.00	21.91	0.13	0.10	Average
8	@0.8572950	29.11	-26.89	56.00	28.88	0.13	0.10	QP
9	@ 2.280	25.19	-20.81	46.00	24.77	0.16	0.26	Average
10	@ 2.280	32.28	-23.72	56.00	31.86	0.16	0.26	QP
11	@ 15.890	32.34	-17.66	50.00	31.79	0.35	0.20	Average
12	@ 15.890	39.85	-20.15	60.00	39.30	0.35	0.20	QP

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	@0.1617260	45.47	-19.90	65.37	45.12	0.11	0.24	QP
2	@0.1617260	35.12	-20.25	55.37	34.77	0.11	0.24	Average
3	@0.1903870	27.71	-26.31	54.02	27.31	0.11	0.29	Average
4	@0.1903870	39.77	-24.25	64.02	39.37	0.11	0.29	QP
5	@0.4800080	39.81	-16.53	56.34	39.59	0.12	0.10	QP
6	@0.4800080	33.69	-12.65	46.34	33.47	0.12	0.10	Average
7	@0.8782580	30.81	-25.19	56.00	30.58	0.13	0.10	QP
8	@0.8782580	24.26	-21.74	46.00	24.03	0.13	0.10	Average
9	@ 2.615	33.99	-22.01	56.00	33.61	0.16	0.22	QP
10	@ 2.615	24.95	-21.05	46.00	24.57	0.16	0.22	Average
11	@ 16.140	38.00	-22.00	60.00	37.48	0.32	0.20	QP
12	@ 16.140	31.32	-18.68	50.00	30.80	0.32	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.)

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.

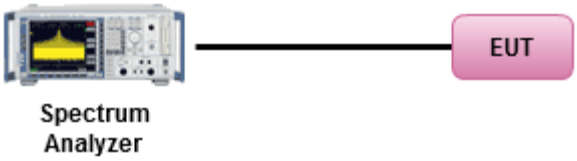
3.2.2 Measuring Instruments

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 FCC KDB 789033, clause C for EBW and clause D for OBW measurement.	
	☐	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.	
	☐	Refer as IC RSS-Gen, clause 6.6 for bandwidth testing.	
☒	For conducted measurement.		
	☐	The EUT supports single transmit chain and measurements performed on this transmit chain.	
	☐	The EUT supports diversity transmitting and the results on transmit chain port 1 is the worst case.	
	☒	The EUT supports multiple transmit chains using options given below:	
		☐	Option 1: Multiple transmit chains measurements need to be performed on one of the active transmit chains (antenna outputs). All measurement had be performed on transmit chains 1.
		☒	Option 2: Multiple transmit chains measurements need to be performed on each transmit chains individually (antenna outputs). All measurement had be performed on all transmit chains.

3.2.4 Test Setup

Emission Bandwidth


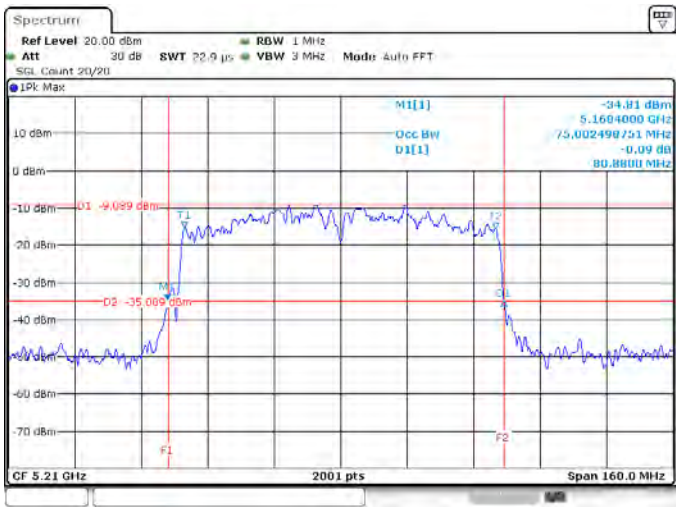
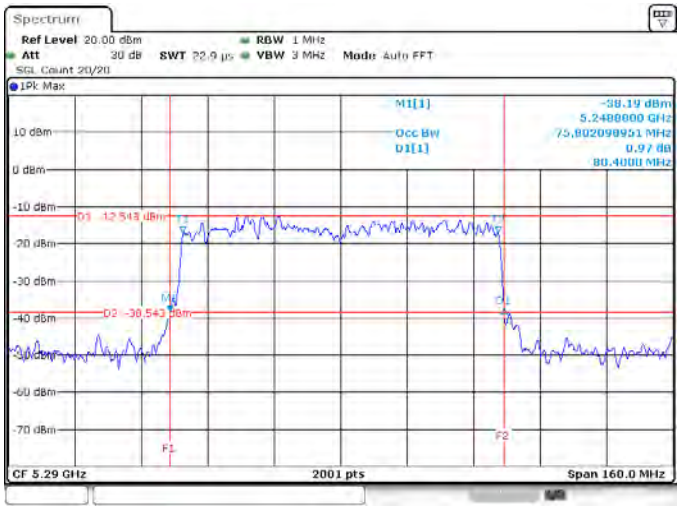
3.2.5 Test Result of Emission Bandwidth

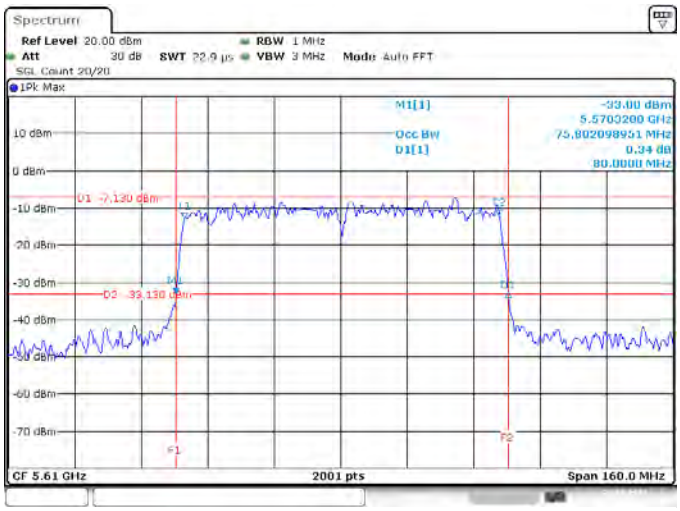
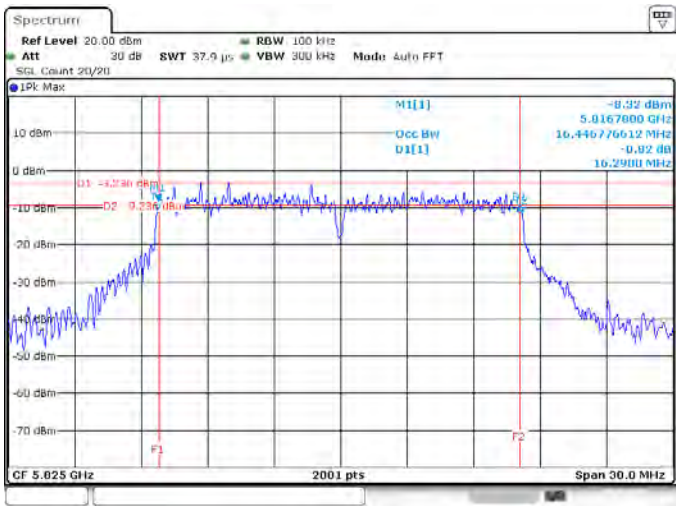
UNII Emission Bandwidth Result (5150-5250MHz band)										
Condition			Emission Bandwidth (MHz)							
Modulation Mode	N_{TX}	Freq. (MHz)	99% Bandwidth				26dB Bandwidth			
			Chain-Port 1	Chain-Port 2	Chain-Port 3	Chain-Port 4	Chain-Port 1	Chain-Port 2	Chain-Port 3	Chain-Port 4
11a	4	5180	16.36	16.61	16.66	16.94	19.90	21.10	20.92	21.12
11a	4	5200	16.79	16.54	16.71	17.44	21.55	21.35	22.00	21.95
11a	4	5240	17.01	16.69	16.66	16.84	21.07	21.37	21.10	21.62
VHT20 (TxBF)	4	5180	18.21	18.24	18.54	17.74	21.62	21.45	22.20	22.00
VHT20 (TxBF)	4	5200	18.31	17.76	18.16	17.94	21.72	20.90	21.60	20.87
VHT20 (TxBF)	4	5240	18.11	17.84	17.86	18.11	21.90	21.20	23.20	21.67
VHT40 (TxBF)	4	5190	36.54	36.54	36.54	36.38	39.48	39.12	39.88	40.20
VHT40 (TxBF)	4	5230	36.54	36.46	36.58	36.30	40.12	39.44	39.64	39.32
VHT80 (TxBF)	4	5210	75.16	74.36	75.00	74.68	79.68	78.32	80.88	79.12
Result			Complied							

UNII Emission Bandwidth Result (5250-5350MHz band)										
Condition			Emission Bandwidth (MHz)							
Modulation Mode	N_{TX}	Freq. (MHz)	99% Bandwidth				26dB Bandwidth			
			Chain-Port 1	Chain-Port 2	Chain-Port 3	Chain-Port 4	Chain-Port 1	Chain-Port 2	Chain-Port 3	Chain-Port 4
11a	4	5260	16.76	16.91	16.79	16.51	21.12	21.30	21.00	20.75
11a	4	5300	16.54	16.59	17.06	16.84	20.80	21.00	21.30	21.30
11a	4	5320	16.86	16.59	16.49	16.64	21.20	20.55	20.75	20.85
VHT20 (TxBF)	4	5260	17.59	17.89	17.74	18.14	20.50	21.17	20.97	21.40
VHT20 (TxBF)	4	5300	17.66	17.99	17.86	17.96	20.37	21.25	21.27	20.97
VHT20 (TxBF)	4	5320	17.74	18.14	17.84	17.79	20.75	21.47	21.20	21.37
VHT40 (TxBF)	4	5270	36.66	36.78	36.74	36.38	39.96	40.60	40.48	39.00
VHT40 (TxBF)	4	5310	36.50	36.34	36.62	36.50	40.16	39.48	39.48	40.08
VHT80 (TxBF)	4	5290	75.96	75.56	75.80	75.64	79.20	79.44	80.40	78.72
Result			Complied							

UNII Emission Bandwidth Result (5470-5725MHz band)										
Condition			Emission Bandwidth (MHz)							
Modulation Mode	N_{TX}	Freq. (MHz)	99% Bandwidth				26dB Bandwidth			
			Chain-Port 1	Chain-Port 2	Chain-Port 3	Chain-Port 4	Chain-Port 1	Chain-Port 2	Chain-Port 3	Chain-Port 4
11a	4	5500	16.69	16.86	16.61	16.56	20.85	21.47	20.65	20.57
11a	4	5580	16.59	17.09	17.06	16.69	20.25	21.52	21.35	21.17
11a	4	5700	16.39	16.44	16.81	17.29	20.47	20.55	21.20	21.50
VHT20 (TxBF)	4	5500	18.06	17.99	17.76	17.76	21.37	21.02	20.90	21.22
VHT20 (TxBF)	4	5580	17.81	17.71	18.06	17.91	21.15	20.67	21.30	21.27
VHT20 (TxBF)	4	5700	17.66	17.89	17.96	17.99	20.65	21.25	21.35	20.97
VHT40 (TxBF)	4	5510	36.22	36.42	36.46	36.26	38.96	39.88	39.40	39.52
VHT40 (TxBF)	4	5550	36.46	36.54	36.50	36.42	39.20	39.36	40.08	40.00
VHT40 (TxBF)	4	5670	36.58	36.46	36.50	36.58	40.40	40.28	40.08	39.48
VHT80 (TxBF)	4	5530	75.80	75.80	76.28	75.80	81.04	79.12	79.20	79.36
Result			Complied							

UNII Emission Bandwidth Result (5725-5850MHz band)										
Condition			Emission Bandwidth (MHz)							
Modulation Mode	N_{TX}	Freq. (MHz)	99% Bandwidth				6dB Bandwidth			
			Chain-Port 1	Chain-Port 2	Chain-Port 3	Chain-Port 4	Chain-Port 1	Chain-Port 2	Chain-Port 3	Chain-Port 4
11a	4	5745	16.46	16.41	16.50	16.61	16.44	16.30	16.51	16.54
11a	4	5785	16.53	16.56	16.55	16.52	16.50	16.47	16.53	16.50
11a	4	5825	16.49	16.53	16.44	16.52	16.44	16.35	16.29	16.53
VHT20 (TxBF)	4	5745	17.67	17.72	17.75	17.64	17.74	17.76	17.80	17.71
VHT20 (TxBF)	4	5785	17.73	17.67	17.64	17.72	17.73	17.74	17.58	17.64
VHT20 (TxBF)	4	5825	17.63	17.66	17.72	17.66	17.67	17.65	17.80	17.73
VHT40 (TxBF)	4	5755	36.22	36.18	36.18	36.18	36.32	36.32	36.44	36.52
VHT40 (TxBF)	4	5795	36.26	36.26	36.22	36.22	36.32	36.48	36.56	36.44
VHT80 (TxBF)	4	5775	75.96	75.96	75.64	75.72	75.76	75.20	74.64	76.16
Limit			-				≥ 500 kHz			
Result			Complied							

5150-5250MHz - Worst Emission 26Bandwidth Plots

5250-5350MHz - Worst Emission 26Bandwidth Plots


5470-5725MHz - Worst Emission 26Bandwidth Plots

5725-5850MHz - Worst Emission 6Bandwidth Plots


3.3 RF Output Power

3.3.1 RF 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

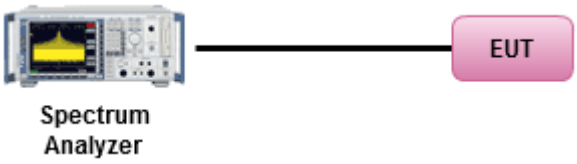
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

Test Method	
☒	Maximum Conducted Output Power
	[duty cycle ≥ 98% or external video / power trigger]
☒	Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).
☐	Refer as FCC KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	duty cycle < 98% and average over on/off periods with duty factor
☐	Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).
☒	Refer as FCC 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 FCC KDB 789033, clause E Method PM (using an RF average power meter).
☒	For conducted measurement.
☐	The EUT supports single transmit chain and measurements performed on this transmit chain.
☐	The EUT supports diversity transmitting and the results on transmit chain port 1 is the worst case.
☒	The EUT supports multiple transmit chains using options given below: Refer as FCC 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 Average Conducted Output Power

Maximum Average Conducted Output Power (5150-5250MHz band)										
Modulation Mode	N_{TX}	Freq. (MHz)	Output Power (dBm)							
			Chain 1	Chain 2	Chain 3	Chain 4	Sum Chain	Power Limit	Gain (dBi)	EIRP Power
11a	4	5180	17.34	17.21	17.63	17.25	23.38	30.00	4.32	27.70
11a	4	5200	17.83	17.67	17.92	17.64	23.79	30.00	4.32	28.11
11a	4	5240	17.51	17.16	17.83	17.34	23.49	30.00	4.32	27.81
VHT20 (TxBF)	4	5180	18.00	17.56	17.39	18.09	23.79	25.66	10.34	34.13
VHT20 (TxBF)	4	5200	18.15	17.79	17.59	18.29	23.99	25.66	10.34	34.33
VHT20 (TxBF)	4	5240	18.32	17.97	17.82	17.98	24.05	25.66	10.34	34.39
VHT40 (TxBF)	4	5190	12.41	11.92	11.69	12.13	18.07	25.66	10.34	28.41
VHT40 (TxBF)	4	5230	16.24	15.91	15.75	16.31	22.08	25.66	10.34	32.42
VHT80 (TxBF)	4	5210	11.90	11.33	11.21	11.82	17.59	25.66	10.34	27.93
Result			Complied							

Maximum Average Conducted Output Power (5250-5350MHz band)										
Modulation Mode	N_{TX}	Freq. (MHz)	Output Power (dBm)							
			Chain 1	Chain 2	Chain 3	Chain 4	Sum Chain	Power Limit	Gain (dBi)	EIRP Power
11a	4	5260	10.88	10.70	11.41	10.49	16.90	24.00	4.71	21.61
11a	4	5300	10.76	10.74	11.56	10.69	16.97	24.00	4.71	21.68
11a	4	5320	10.76	10.61	11.46	10.63	16.90	24.00	4.71	21.61
VHT20 (TxBF)	4	5260	11.37	10.87	10.74	11.42	17.13	19.27	10.73	27.86
VHT20 (TxBF)	4	5300	11.30	10.77	11.03	11.47	17.17	19.27	10.73	27.90
VHT20 (TxBF)	4	5320	11.48	10.84	10.95	11.69	17.28	19.27	10.73	28.01
VHT40 (TxBF)	4	5270	13.27	12.65	12.42	13.28	18.94	19.27	10.73	29.67
VHT40 (TxBF)	4	5310	11.15	10.56	10.44	11.40	16.93	19.27	10.73	27.66
VHT80 (TxBF)	4	5290	9.94	9.23	9.16	9.70	15.54	19.27	10.73	26.27
Result			Complied							

Maximum Average Conducted Output Power (5470-5725MHz band)										
Modulation Mode	N_{TX}	Freq. (MHz)	Output Power (dBm)							
			Chain 1	Chain 2	Chain 3	Chain 4	Sum Chain	Power Limit	Gain (dBi)	EIRP Power
11a	4	5500	10.99	11.02	11.73	11.11	17.24	24.00	4.74	21.98
11a	4	5580	11.05	11.13	11.81	11.23	17.33	24.00	4.74	22.07
11a	4	5700	11.09	11.42	11.84	10.76	17.31	24.00	4.74	22.05
VHT20 (TxBF)	4	5500	10.98	10.33	10.49	11.04	16.74	19.24	10.76	27.50
VHT20 (TxBF)	4	5580	10.99	10.17	10.54	11.08	16.73	19.24	10.76	27.49
VHT20 (TxBF)	4	5700	11.99	10.94	11.31	11.87	17.57	19.24	10.76	28.33
VHT40 (TxBF)	4	5510	11.15	10.05	10.14	10.65	16.54	19.24	10.76	27.30
VHT40 (TxBF)	4	5550	12.90	11.99	11.64	12.54	18.31	19.24	10.76	29.07
VHT40 (TxBF)	4	5670	14.04	12.79	12.70	12.93	19.17	19.24	10.76	29.93
VHT80 (TxBF)	4	5530	8.87	7.96	8.05	8.83	14.47	19.24	10.76	25.23
Result			Complied							

Maximum Average Conducted Output Power (5725-5850MHz band)										
Modulation Mode	N_{TX}	Freq. (MHz)	Output Power (dBm)							
			Chain 1	Chain 2	Chain 3	Chain 4	Sum Chain	Power Limit	Gain (dBi)	EIRP Power
11a	4	5745	14.24	13.43	14.02	14.19	20.00	30.00	5.24	25.24
11a	4	5785	18.34	17.30	18.28	18.21	24.07	30.00	5.24	29.31
11a	4	5825	16.67	15.78	16.50	16.88	22.49	30.00	5.24	27.73
VHT20 (TxBF)	4	5745	12.25	11.41	11.20	11.62	17.66	24.74	11.26	28.92
VHT20 (TxBF)	4	5785	18.14	17.43	17.41	17.83	23.73	24.74	11.26	34.99
VHT20 (TxBF)	4	5825	13.84	12.64	12.64	13.63	19.24	24.74	11.26	30.50
VHT40 (TxBF)	4	5755	9.57	8.34	7.96	8.49	14.65	24.74	11.26	25.91
VHT40 (TxBF)	4	5795	14.88	13.45	13.38	13.99	19.99	24.74	11.26	31.25
VHT80 (TxBF)	4	5775	9.08	7.70	7.62	8.01	14.16	24.74	11.26	25.42
Result			Complied							

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.		

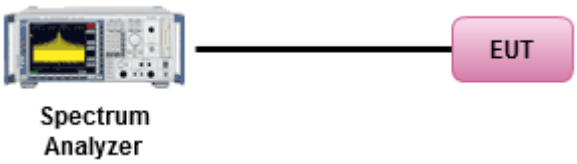
3.4.2 Measuring Instruments

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 FCC 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% or external video / power trigger]	
	☒	Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).
	☐	Refer as FCC KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	duty cycle < 98% and average over on/off periods with duty factor	
	☐	Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).
	☒	Refer as FCC KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
☒	For conducted measurement.	
	☐	The EUT supports single transmit chain and measurements performed on this transmit chain.
	☐	The EUT supports diversity transmitting and the results on transmit chain port 1 is the worst case.
	☒	The EUT supports multiple transmit chains using options given below:
		☒ Option 1: Measure and sum the spectra across the outputs. Refer as FCC 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.
		☐ Option 2: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC 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]) $EIRP_{total} = PPSD_{total} + DG$
	☐	Each individually PPSD plots refer as test report clause 3.3.5 with each individually PPSD plots.

3.4.4 Test Setup

Power Spectral Density


3.4.5 Test Result of Peak Power Spectral Density

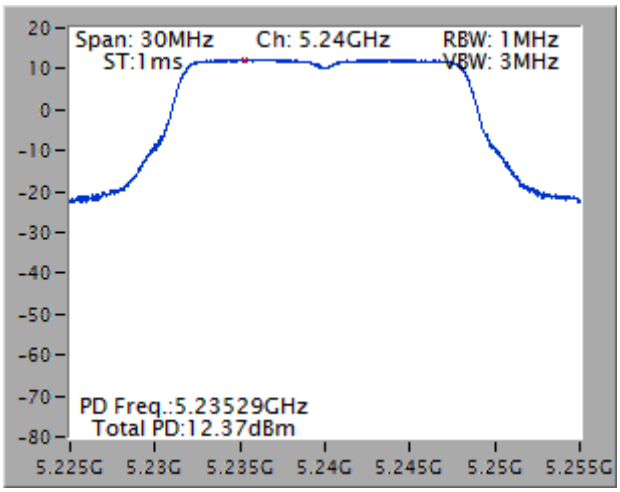
Peak Power Spectral Density Result (5150-5250MHz band)				
Modulation Mode	**N_{TX}**	**Freq. (MHz)**	**Peak Power Spectral Density (dBm/MHz)**	**PSD Limit (dBm/MHz)**
11a	4	5180	12.12	12.65
11a	4	5200	12.51	12.65
11a	4	5240	12.41	12.65
VHT20 (TxBF)	4	5180	12.28	12.65
VHT20 (TxBF)	4	5200	12.53	12.65
VHT20 (TxBF)	4	5240	12.56	12.65
VHT40 (TxBF)	4	5190	3.50	12.65
VHT40 (TxBF)	4	5230	7.64	12.65
VHT80 (TxBF)	4	5210	0.92	12.65
Result			**Complied**	

Peak Power Spectral Density Result (5250-5350MHz band)				
Modulation Mode	**N_{TX}**	**Freq. (MHz)**	**Peak Power Spectral Density (dBm/MHz)**	**PSD Limit (dBm/MHz)**
11a	4	5260	5.85	6.27
11a	4	5300	5.94	6.27
11a	4	5320	5.67	6.27
VHT20 (TxBF)	4	5260	5.65	6.27
VHT20 (TxBF)	4	5300	5.70	6.27
VHT20 (TxBF)	4	5320	5.75	6.27
VHT40 (TxBF)	4	5270	4.52	6.27
VHT40 (TxBF)	4	5310	2.35	6.27
VHT80 (TxBF)	4	5290	-2.06	6.27
Result			**Complied**	

Peak Power Spectral Density Result (5470-5725MHz band)				
Modulation Mode	**N_{TX}**	**Freq. (MHz)**	**Peak Power Spectral Density (dBm/MHz)**	**PSD Limit (dBm/MHz)**
11a	4	5500	5.97	6.24
11a	4	5580	6.02	6.24
11a	4	5700	6.06	6.24
VHT20 (TxBF)	4	5500	5.33	6.24
VHT20 (TxBF)	4	5580	5.49	6.24
VHT20 (TxBF)	4	5700	6.11	6.24
VHT40 (TxBF)	4	5510	2.10	6.24
VHT40 (TxBF)	4	5550	3.76	6.24
VHT40 (TxBF)	4	5670	4.68	6.24
VHT80 (TxBF)	4	5530	-3.22	6.24
Result			**Complied**	

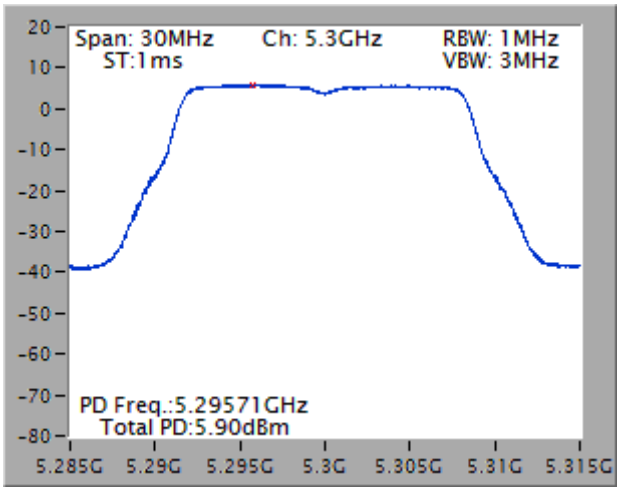
Peak Power Spectral Density Result (5725-5850MHz band)				
Modulation Mode	**N_{TX}**	**Freq. (MHz)**	**Peak Power Spectral Density (dBm/500kHz)**	**PSD Limit (dBm/500kHz)**
11a	4	5745	11.09	24.74
11a	4	5785	14.88	24.74
11a	4	5825	13.83	24.74
VHT20 (TxBF)	4	5745	8.74	24.74
VHT20 (TxBF)	4	5785	15.33	24.74
VHT20 (TxBF)	4	5825	10.79	24.74
VHT40 (TxBF)	4	5755	3.37	24.74
VHT40 (TxBF)	4	5795	8.03	24.74
VHT80 (TxBF)	4	5775	0.34	24.74
Result			**Complied**	

5150-5250MHz - Worst Power Spectral Density Plots

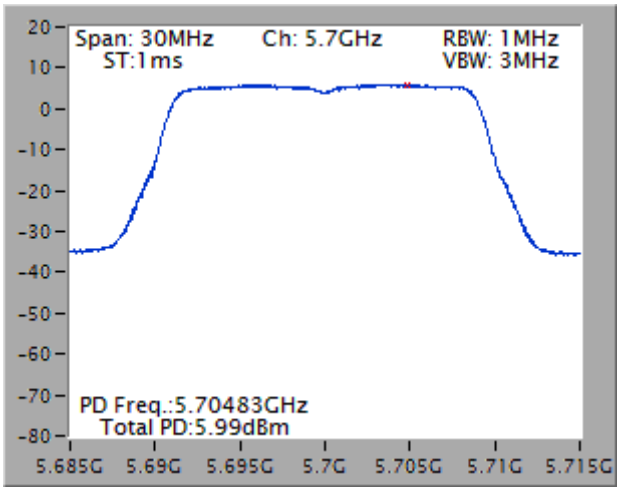


Note 1: Power Density Plots w/o Duty Factor

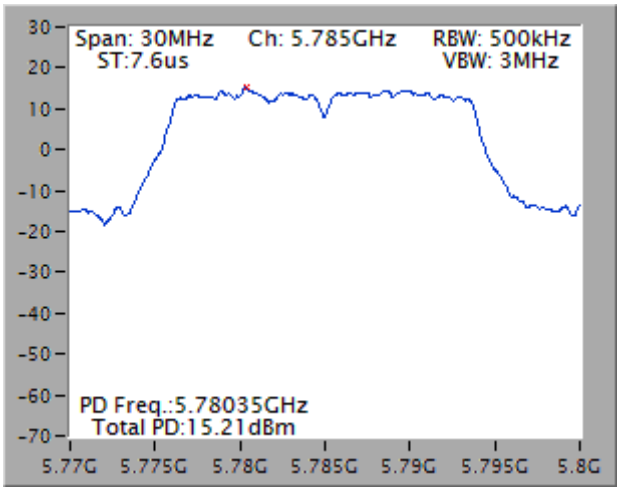
5250-5350MHz - Worst Power Spectral Density Plots



Note 1: Power Density Plots w/o Duty Factor

5470-5725MHz - Worst Power Spectral Density Plots


Note 1: Power Density Plots w/o Duty Factor

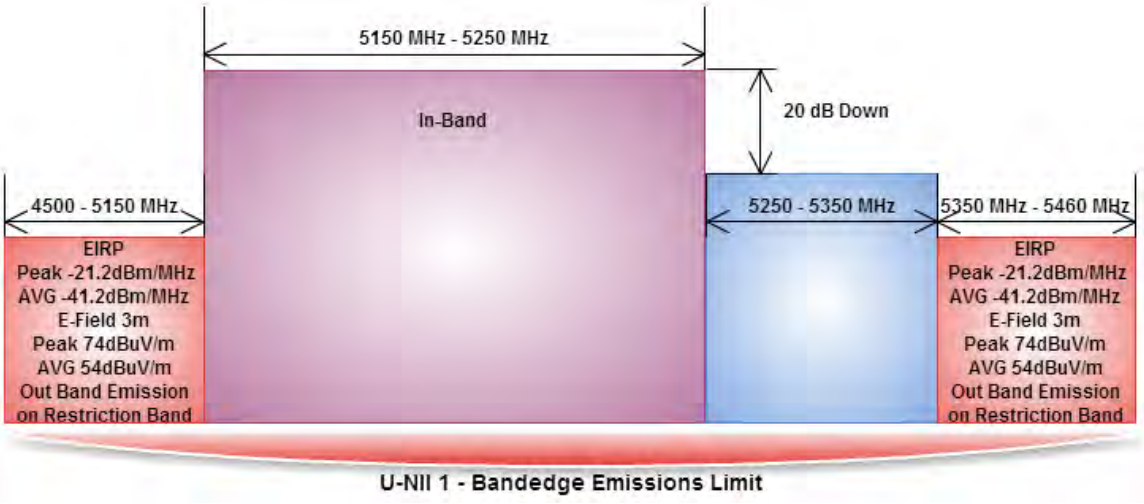
5725-5850MHz - Worst Power Spectral Density Plots


Note 1: Power Density Plots w/o Duty Factor

3.5 Transmitter Bandedge Emissions

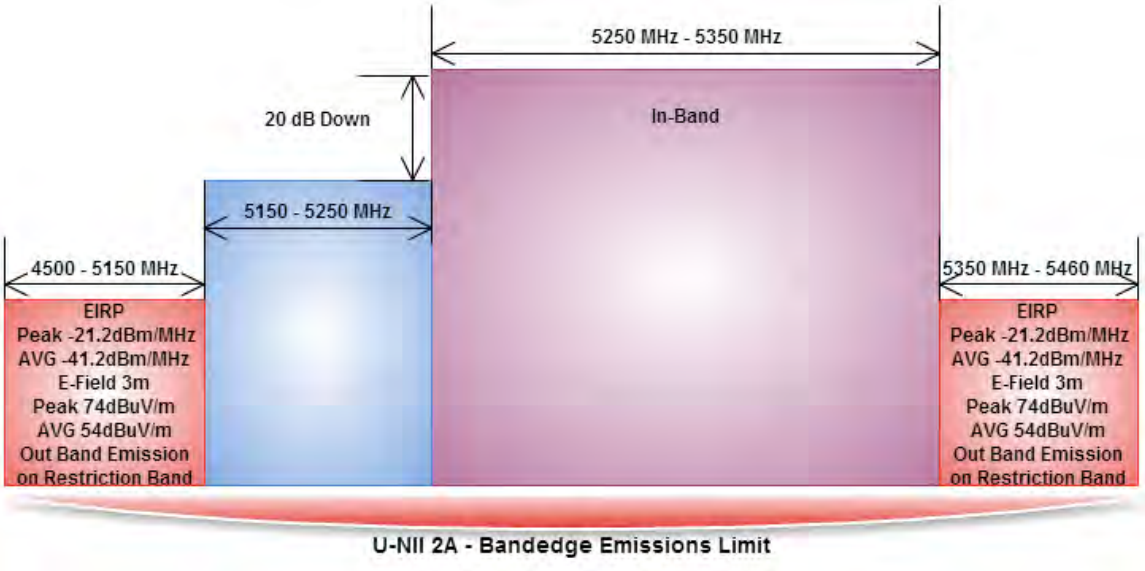
3.5.1 Transmitter Radiated Bandedge Emissions Limit

Transmitter Radiated Bandedge Emissions Limit: 5.15-5.25 GHz band



Refer as FCC KDB 789033, G)2)c)(i) 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: 5.25-5.35 GHz band

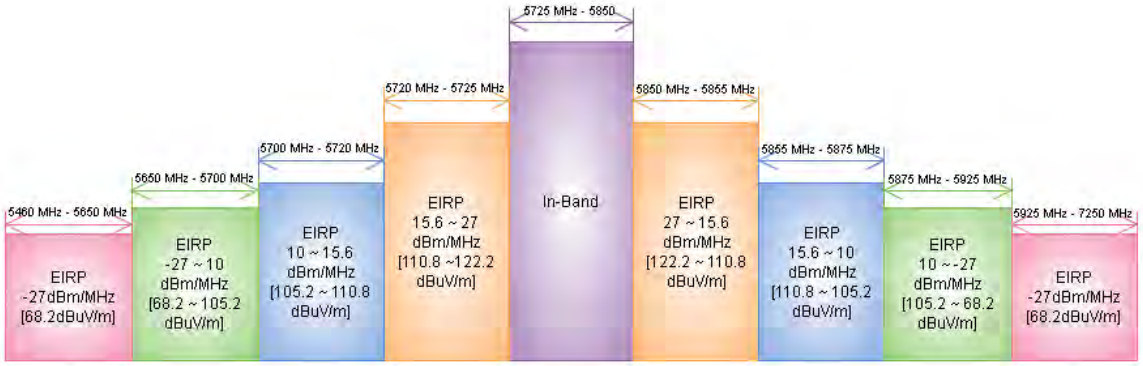


Refer as FCC KDB 789033, G)2)c)(i) specifying that if a non-restricted-band out-of-band emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm or -17 dBm peak emission limit. Reason for change: to ensure that emission requirements in the non-restricted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

Transmitter Radiated Bandedge Emissions Limit: 5.47-5.725 GHz band

Refer as FCC KDB 789033, G)2)c)(i) 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 FCC 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 FCC 16-24 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

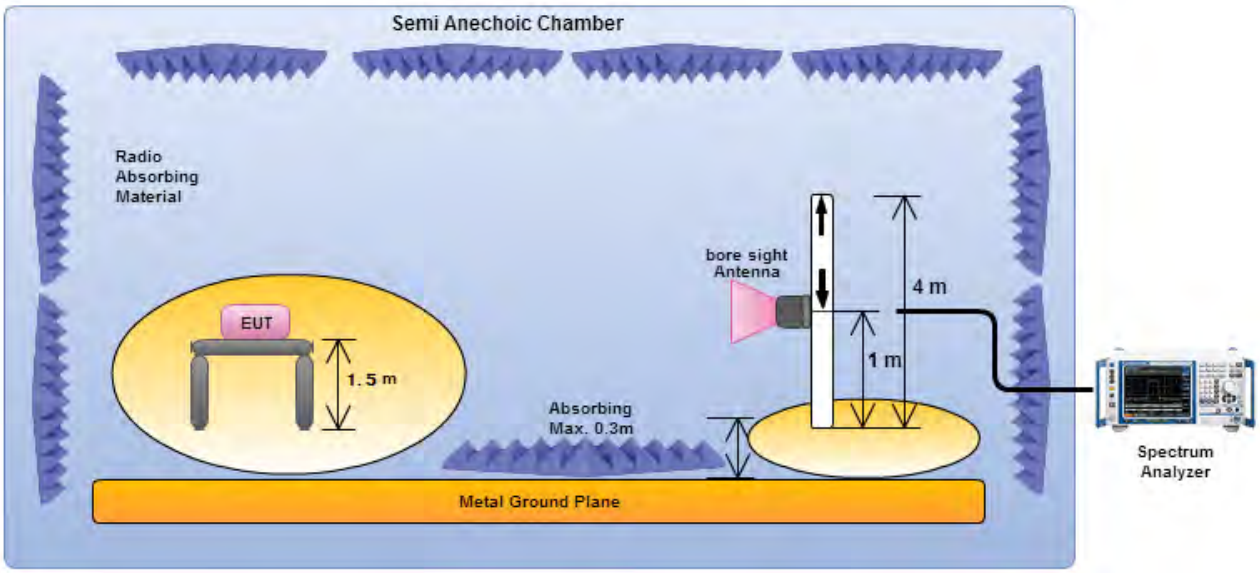
Refer a test equipment and calibration data table in this test report.

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 FCC KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.
	☒ Refer as FCC KDB 789033, clause G)1) for unwanted emissions into restricted bands.
	☐ Refer as FCC KDB 789033, G)6) Method AD (Trace Averaging).
	☐ Refer as FCC 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 FCC 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 FCC 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 (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	4	5180	3	5149.000	69.62	74	5150.000	52.23	54	V
11a	4	5240	3	5376.000	63.24	74	5358.600	49.88	54	V
VHT20 (TxBF)	4	5180	3	5146.000	71.09	74	5149.900	52.94	54	V
VHT20 (TxBF)	4	5240	3	5360.400	64.79	74	5149.800	51.63	54	V
VHT40 (TxBF)	4	5190	3	5149.280	70.76	74	5149.500	52.43	54	V
VHT40 (TxBF)	4	5230	3	5392.200	66.33	74	5377.200	52.69	54	V
VHT80 (TxBF)	4	5210	3	5147.400	71.52	74	5362.200	51.46	54	V
Note 1: Measurement worst emissions of receive antenna polarization.										

U-NII 5250-5350MHz 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	4	5260	3	5350.800	63.62	74	5350.200	50.21	54	V
11a	4	5320	3	5350.460	68.64	74	5350.180	52.46	54	V
VHT20 (TxBF)	4	5260	3	5363.400	65.38	74	5350.200	51.52	54	V
VHT20 (TxBF)	4	5320	3	5350.200	71.16	74	5350.200	52.96	54	V
VHT40 (TxBF)	4	5270	3	5353.200	65.71	74	5100.800	52.48	54	V
VHT40 (TxBF)	4	5310	3	5350.120	69.70	74	5350.120	52.14	54	V
VHT80 (TxBF)	4	5290	3	5352.600	72.91	74	5358.000	52.31	54	V
Note 1: Measurement worst emissions of receive antenna polarization.										

U-NII 5470-5725MHz 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	4	5500	3	5463.400	66.96	68.20	5460.000	50.08	54.00	V
11a	4	5700	3	5726.720	67.29	68.20	5725.160	51.11	68.20	V
VHT20 (TxBF)	4	5500	3	5468.400	66.40	68.20	5455.920	50.83	54.00	V
VHT20 (TxBF)	4	5700	3	5727.560	67.06	68.20	5729.840	51.19	68.20	V
VHT40 (TxBF)	4	5510	3	5468.600	66.50	68.20	5457.000	50.00	54.00	V
VHT40 (TxBF)	4	5670	3	5725.000	67.20	68.20	5728.400	52.22	68.20	V
VHT80 (TxBF)	4	5530	3	5467.760	65.64	68.20	5458.160	50.46	54.00	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	4	5745	3	5651.260	62.12	69.14	V
11a	4	5825	3	5918.950	63.05	72.66	V
VHT20 (TxBF)	4	5745	3	5652.520	63.52	70.07	V
VHT20 (TxBF)	4	5825	3	5914.330	64.36	76.07	V
VHT40 (TxBF)	4	5755	3	5651.160	64.20	71.29	V
VHT40 (TxBF)	4	5795	3	5917.000	63.64	74.10	V
VHT80 (TxBF)	4	5775	3	5659.180	63.18	75.02	V
Note 1: Measurement worst emissions of receive antenna polarization.							

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

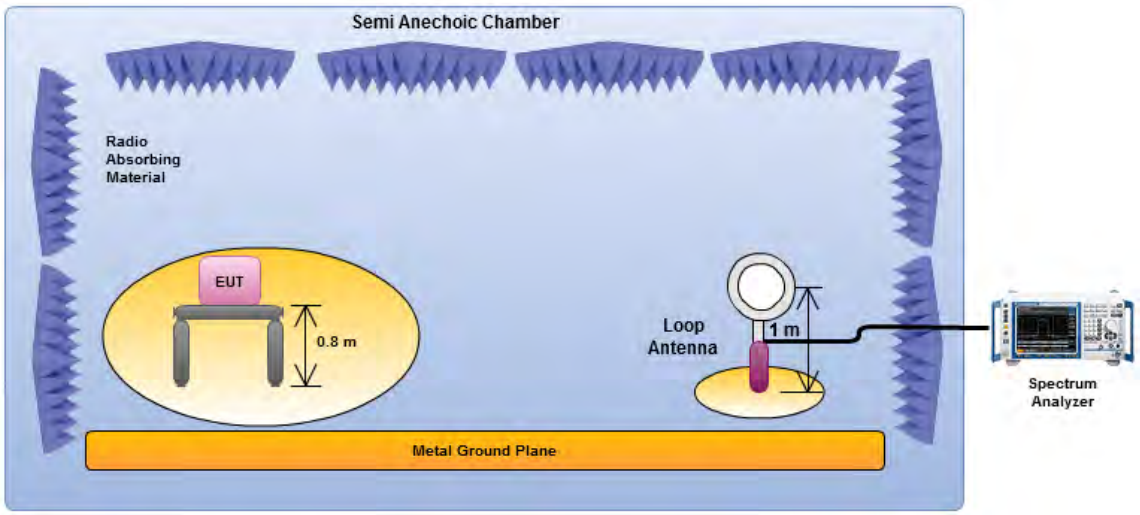
Refer a test equipment and calibration data table in this test report.

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 FCC KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.
	☒	Refer as FCC KDB 789033, clause G)1) for unwanted emissions into restricted bands.
		☐ Refer as FCC KDB 789033, G)6) Method AD (Trace Averaging).
		☐ Refer as FCC 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 FCC 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.	

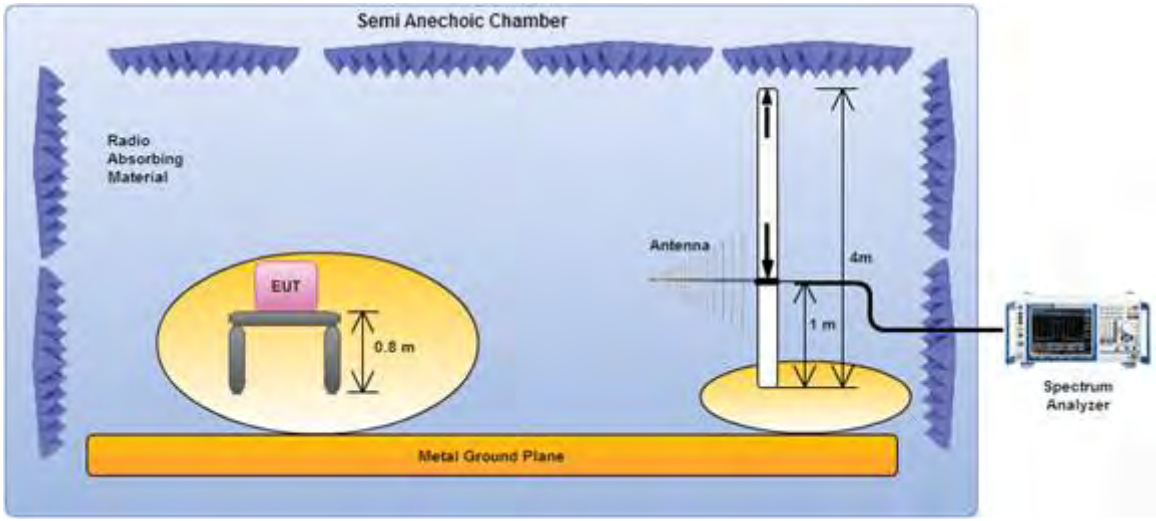
3.6.4 Test Setup

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



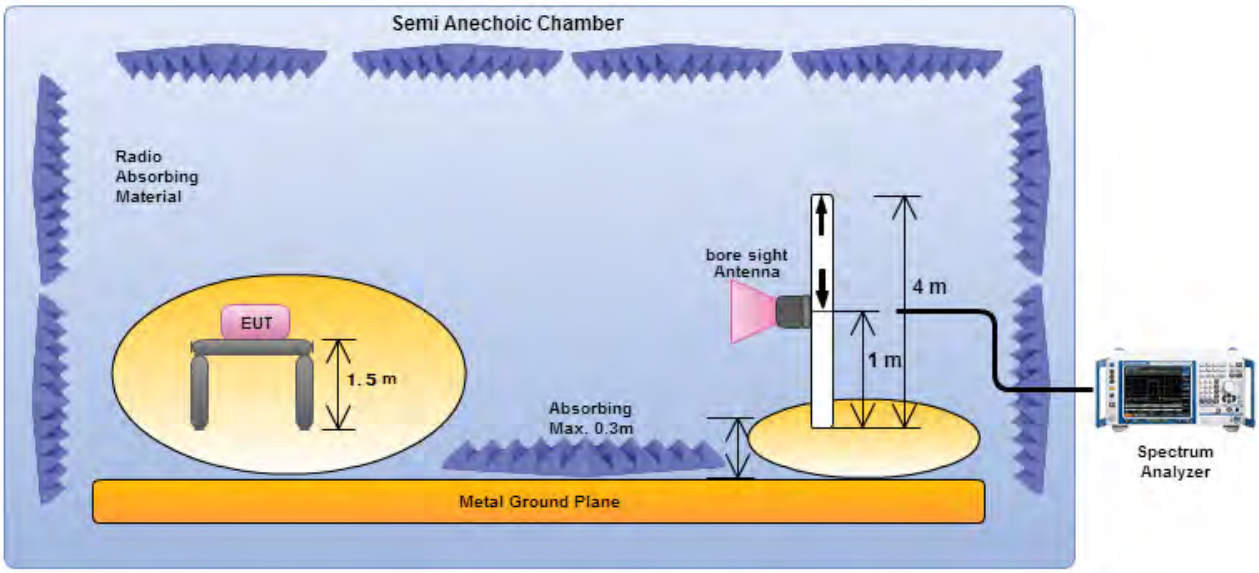
Magnetic field tests shall be performed in the frequency range of 9 kHz to 30 MHz using a calibrated loop antenna.

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



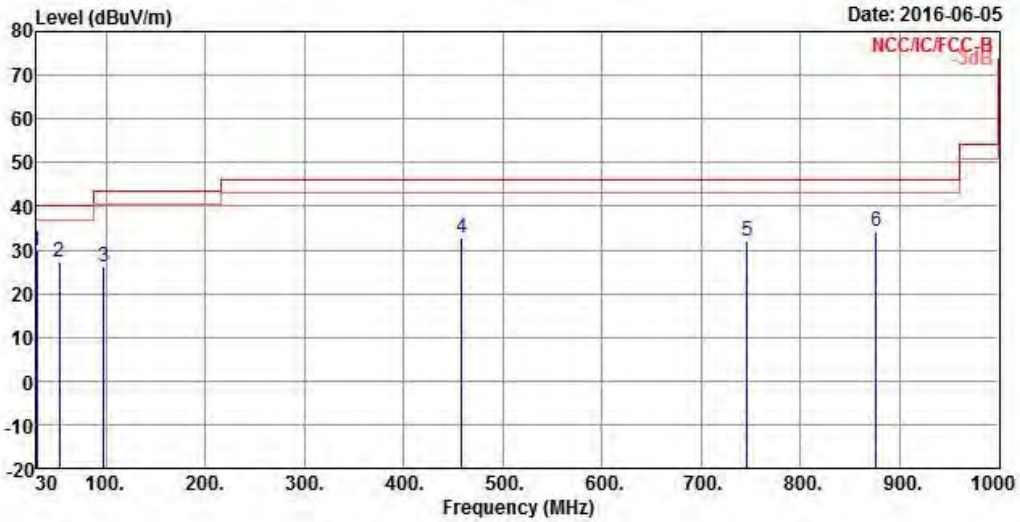
Electric field tests shall be performed in the frequency range of 1 GHz to 10th harmonic of highest fundamental frequency or 40 GHz using a calibrated horn antenna.

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 Transmitter Radiated Unwanted Emissions (Below 1GHz)

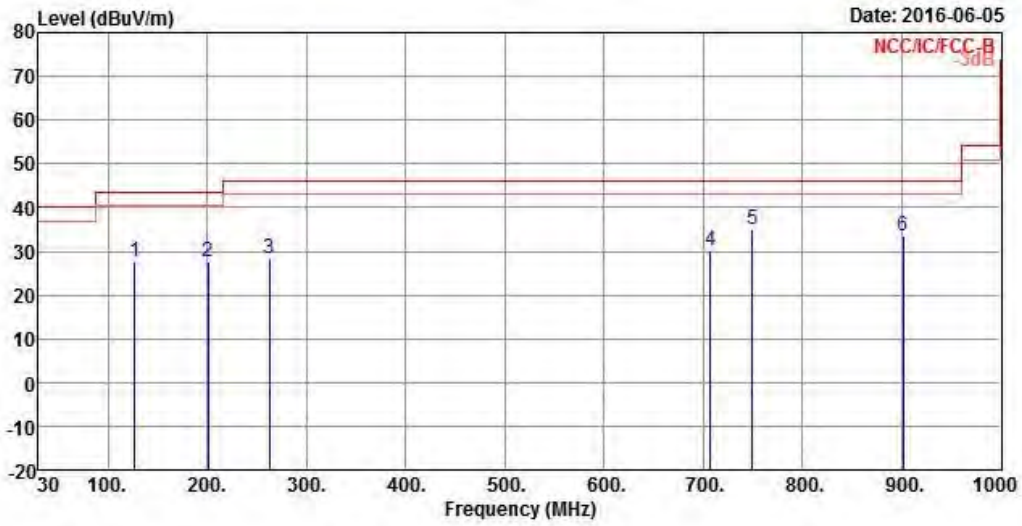
Transmitter Radiated Unwanted Emissions for Non-Beamforming (Below 1GHz)			
Operating Mode	1	**Polarization**	V
Operating Function	Adapter Mode		



	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	30.000	29.91	-10.09	40.00	31.06	25.62	0.78	27.55	Peak
2	53.280	27.41	-12.59	40.00	39.81	14.03	1.06	27.49	Peak
3	97.900	26.23	-17.27	43.50	35.20	16.89	1.53	27.39	Peak
4	458.740	32.90	-13.10	46.00	33.75	23.08	3.42	27.35	Peak
5	745.860	31.94	-14.06	46.00	29.07	26.21	4.52	27.86	Peak
6	875.840	34.43	-11.57	46.00	29.84	27.35	4.82	27.58	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.

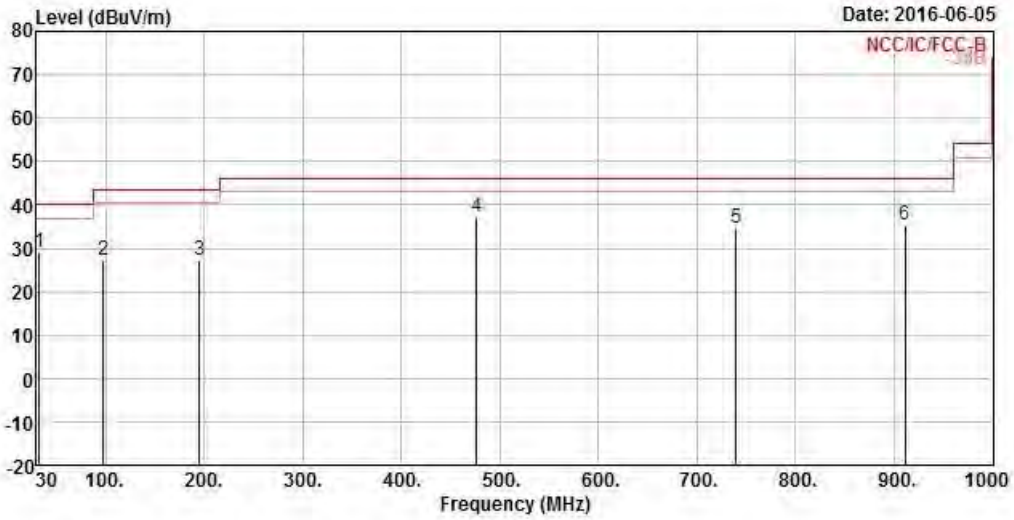
Transmitter Radiated Unwanted Emissions for Non-Beamforming (Below 1GHz)			
Operating Mode	1	**Polarization**	H
Operating Function	Adapter Mode		



	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	127.000	27.43	-16.07	43.50	34.26	18.69	1.74	27.26	Peak
2	200.720	27.57	-15.93	43.50	35.87	16.34	2.28	26.92	Peak
3	262.800	28.38	-17.62	46.00	33.01	19.65	2.50	26.78	Peak
4	707.060	30.04	-15.96	46.00	27.96	25.58	4.42	27.92	Peak
5	749.740	34.93	-11.07	46.00	31.98	26.28	4.53	27.86	Peak
6	901.060	33.42	-12.58	46.00	28.45	27.54	4.95	27.52	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.

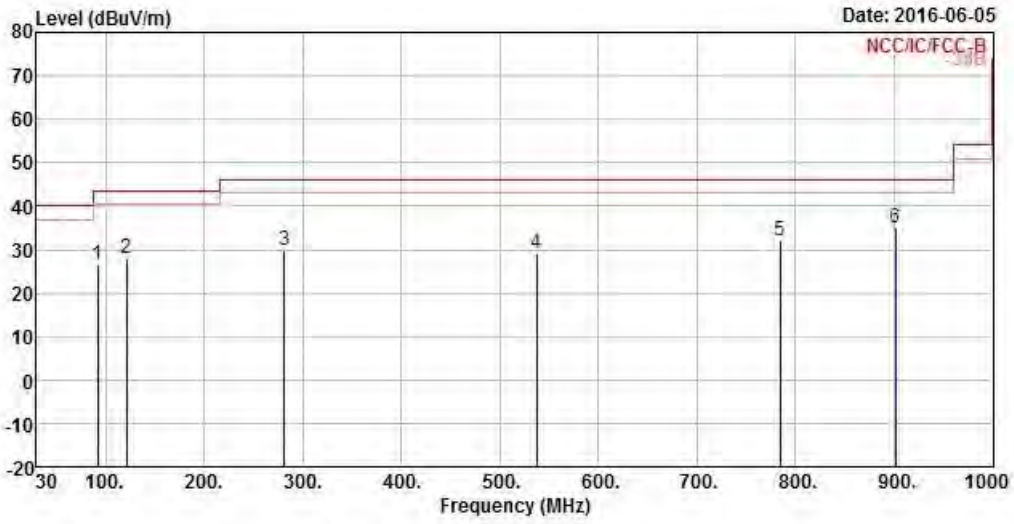
Transmitter Radiated Unwanted Emissions for Beamforming (Below 1GHz)			
Operating Mode	1	**Polarization**	V
Operating Function	Adapter Mode		



	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	32.970	29.13	-10.87	40.00	32.08	23.77	0.82	27.54	Peak
2	97.900	27.30	-16.20	43.50	36.27	16.89	1.53	27.39	Peak
3	194.890	27.32	-16.18	43.50	36.08	15.94	2.24	26.94	Peak
4	476.800	37.23	-8.77	46.00	37.89	23.40	3.48	27.54	Peak
5	739.880	34.67	-11.33	46.00	31.93	26.11	4.50	27.87	Peak
6	911.060	35.48	-10.52	46.00	30.35	27.63	4.99	27.49	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 for Beamforming (Below 1GHz)			
Operating Mode	1	**Polarization**	H
Operating Function	Adapter Mode		

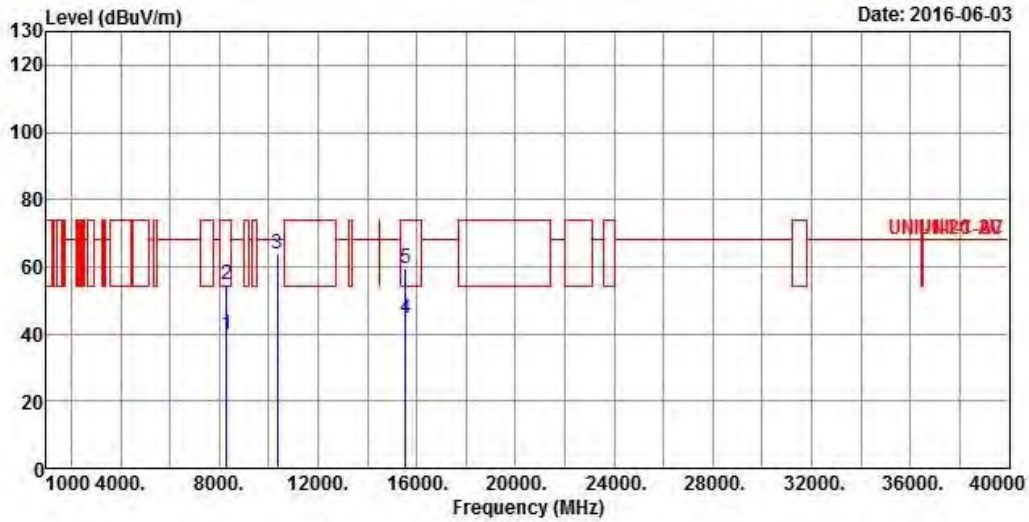


	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	92.020	26.51	-16.99	43.50	36.78	15.67	1.47	27.41	Peak
2	121.180	27.87	-15.63	43.50	34.64	18.82	1.70	27.29	Peak
3	281.620	29.64	-16.36	46.00	34.38	19.45	2.55	26.74	Peak
4	537.110	28.96	-17.04	46.00	28.77	24.45	3.62	27.88	Peak
5	784.780	31.87	-14.13	46.00	28.62	26.50	4.55	27.80	Peak
6	901.060	34.91	-11.09	46.00	29.94	27.54	4.95	27.52	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.

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

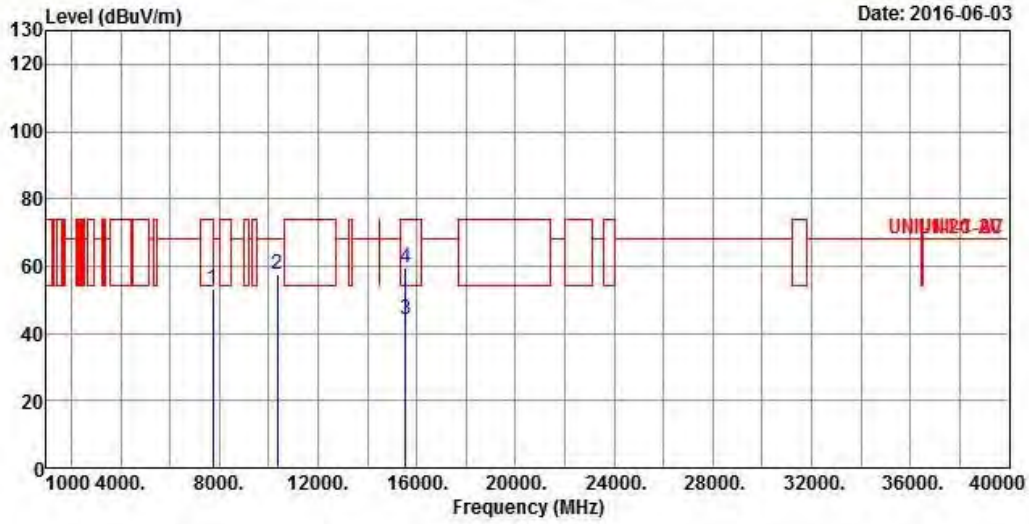
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (MHz)**	5180
N_{TX}	4	**Polarization**	V



	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	8302.000	40.04	-13.96	54.00	29.51	37.47	6.00	32.94	Average
2	8302.000	54.55	-19.45	74.00	44.02	37.47	6.00	32.94	Peak
3	10360.000	63.72	-4.48	68.20	50.71	38.90	7.00	32.89	Peak
4	15540.000	44.67	-9.33	54.00	30.68	37.83	8.50	32.34	Average
5	15540.000	59.30	-14.70	74.00	45.31	37.83	8.50	32.34	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.

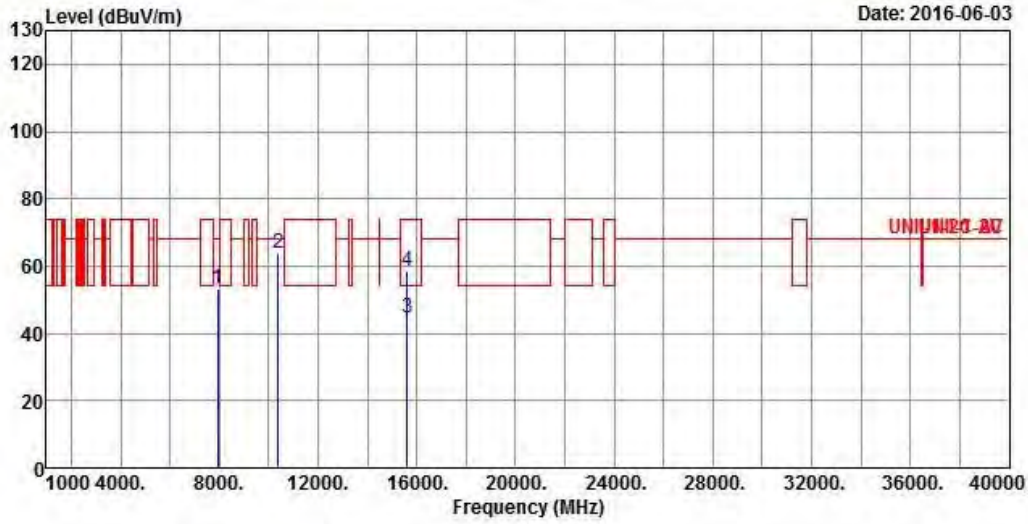
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (MHz)**	5180
N_{TX}	4	**Polarization**	H



	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	7751.000	53.47	-14.73	68.20	43.81	36.80	5.76	32.90	Peak
2	10360.000	57.57	-10.63	68.20	44.56	38.90	7.00	32.89	Peak
3	15540.000	43.99	-10.01	54.00	30.00	37.83	8.50	32.34	Average
4	15540.000	59.46	-14.54	74.00	45.47	37.83	8.50	32.34	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.

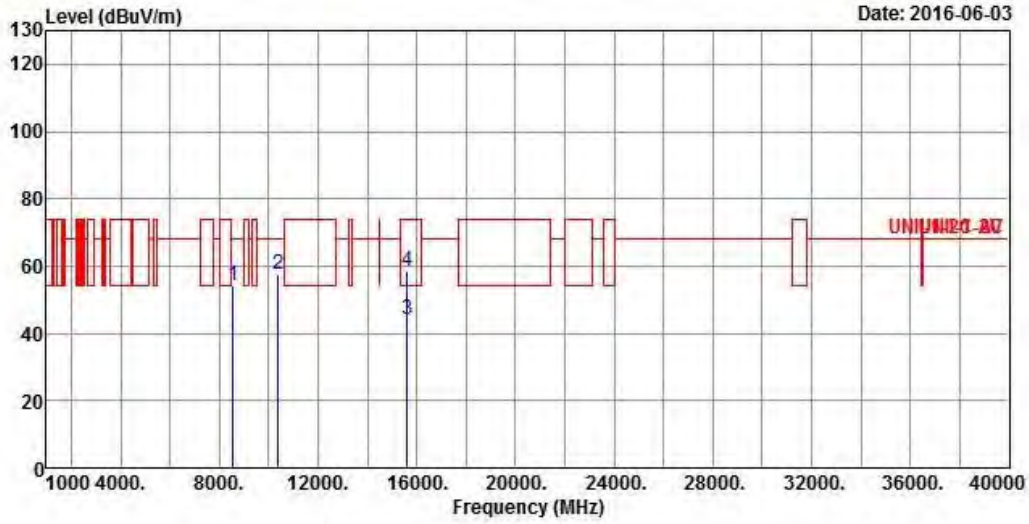
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (MHz)**	5200
N_{TX}	4	**Polarization**	V



	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	7941.000	53.02	-15.18	68.20	43.12	37.02	5.81	32.93	Peak
2	10400.000	63.64	-4.56	68.20	50.59	38.90	7.00	32.85	Peak
3	15600.000	44.50	-9.50	54.00	30.67	37.69	8.50	32.36	Average
4	15600.000	58.66	-15.34	74.00	44.83	37.69	8.50	32.36	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.

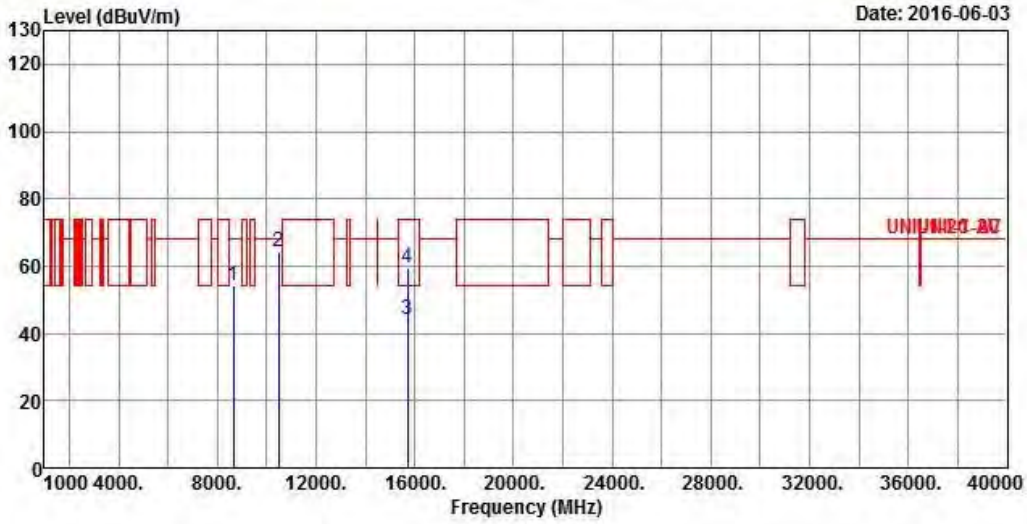
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (MHz)**	5200
N_{TX}	4	**Polarization**	H



	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	8553.000	54.26	-13.94	68.20	43.40	37.71	6.11	32.96	Peak
2	10400.000	57.57	-10.63	68.20	44.52	38.90	7.00	32.85	Peak
3	15600.000	44.19	-9.81	54.00	30.36	37.69	8.50	32.36	Average
4	15600.000	58.46	-15.54	74.00	44.63	37.69	8.50	32.36	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.

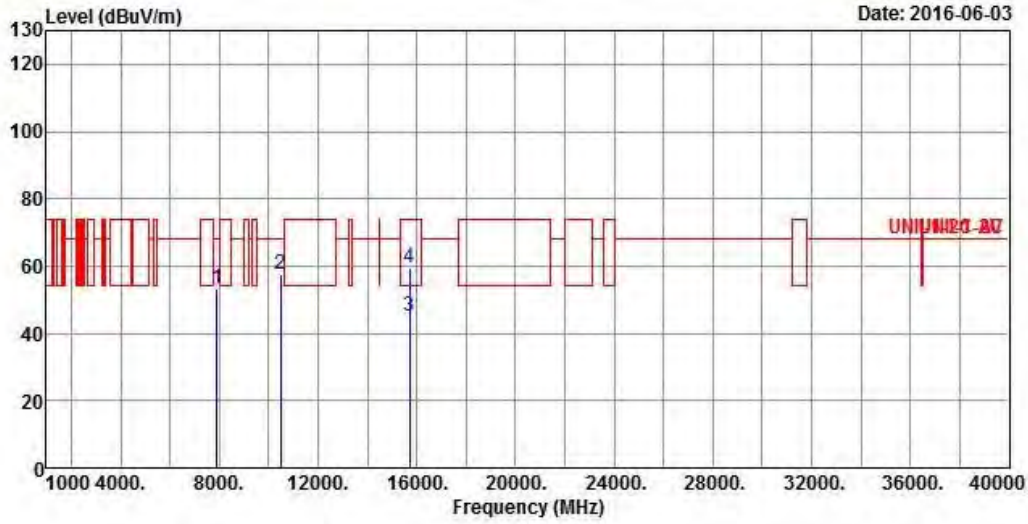
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (MHz)**	5240
N_{TX}	4	**Polarization**	V



	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	8645.000	54.36	-13.84	68.20	43.52	37.73	6.10	32.99	Peak
2	10480.000	64.33	-3.87	68.20	51.22	38.90	6.99	32.78	Peak
3	15720.000	44.16	-9.84	54.00	30.58	37.45	8.52	32.39	Average
4	15720.000	59.30	-14.70	74.00	45.72	37.45	8.52	32.39	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.

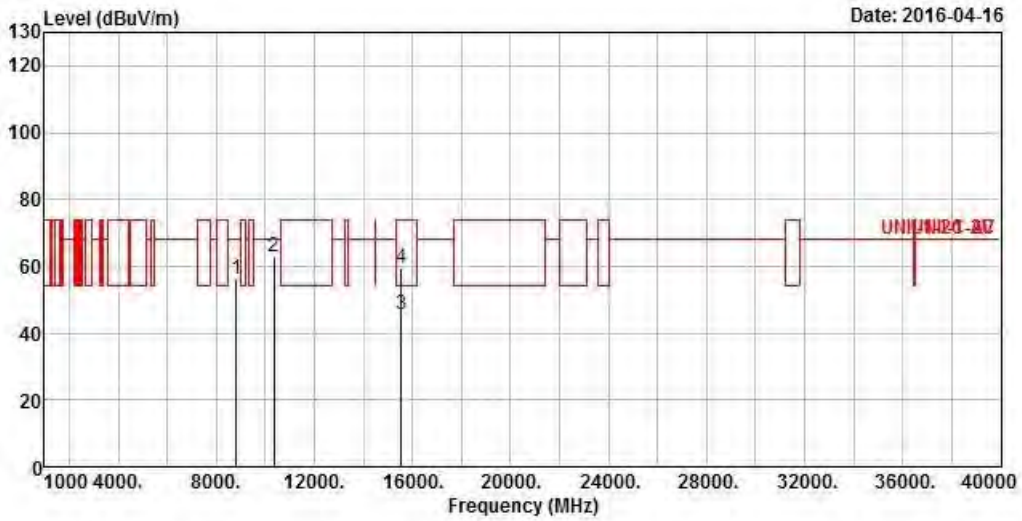
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (MHz)**	5240
N_{TX}	4	**Polarization**	H



	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	7915.000	53.03	-15.17	68.20	43.15	37.00	5.80	32.92	Peak
2	10480.000	57.42	-10.78	68.20	44.31	38.90	6.99	32.78	Peak
3	15720.000	45.20	-8.80	54.00	31.62	37.45	8.52	32.39	Average
4	15720.000	59.51	-14.49	74.00	45.93	37.45	8.52	32.39	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.

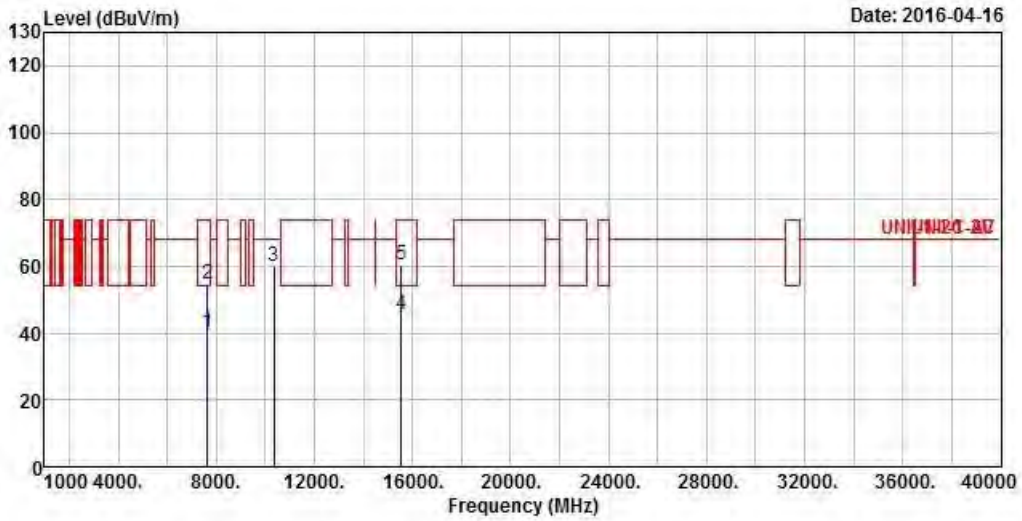
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20 (TxBF)	**Test Freq. (MHz)**	5180
N_{TX}	4	**Polarization**	V



	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	8816.000	55.96	-12.24	68.20	43.34	37.76	7.91	33.05	Peak
2	10360.000	62.81	-5.39	68.20	48.33	38.90	8.47	32.89	Peak
3	15540.000	45.69	-8.31	54.00	29.79	37.83	10.41	32.34	Average
4	15540.000	59.65	-14.35	74.00	43.75	37.83	10.41	32.34	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.

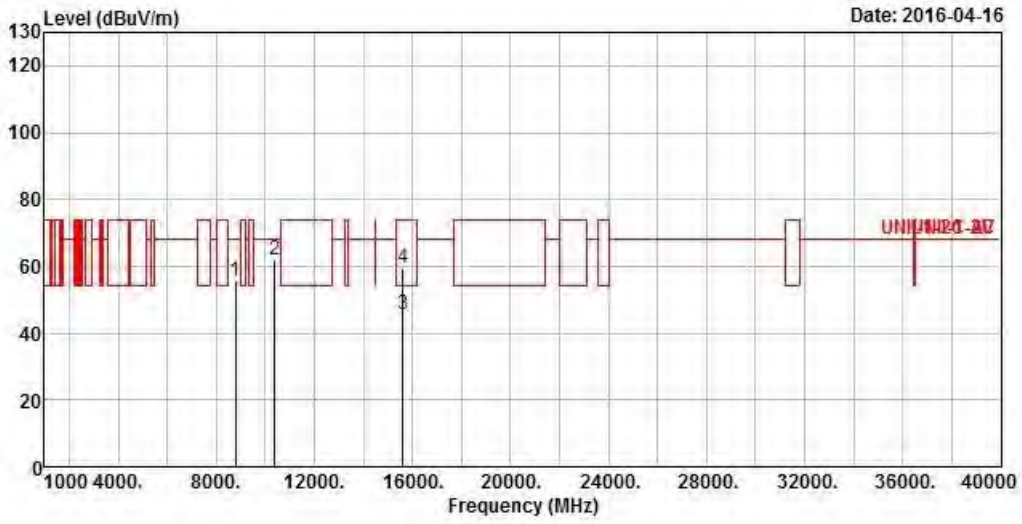
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20 (TxBF)	**Test Freq. (MHz)**	5180
N_{TX}	4	**Polarization**	H



	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	7647.000	40.24	-13.76	54.00	29.29	36.68	7.15	32.88	Average
2	7647.000	54.45	-19.55	74.00	43.50	36.68	7.15	32.88	Peak
3	10360.000	60.03	-8.17	68.20	45.55	38.90	8.47	32.89	Peak
4	15540.000	45.67	-8.33	54.00	29.77	37.83	10.41	32.34	Average
5	15540.000	60.66	-13.34	74.00	44.76	37.83	10.41	32.34	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.

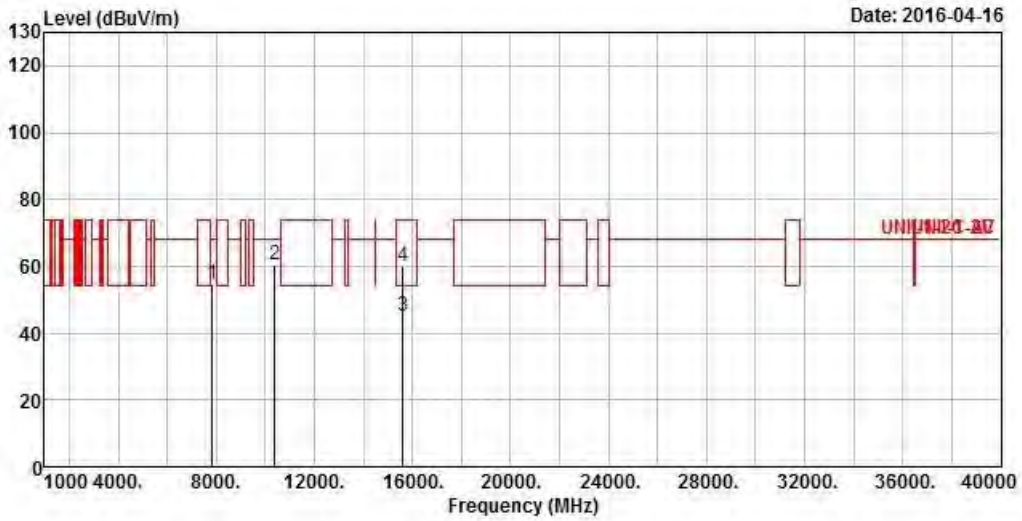
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20 (TxBF)	**Test Freq. (MHz)**	5200
N_{TX}	4	**Polarization**	V



	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	8780.000	55.71	-12.49	68.20	43.10	37.76	7.88	33.03	Peak
2	10400.000	61.79	-6.41	68.20	47.25	38.90	8.49	32.85	Peak
3	15600.000	45.36	-8.64	54.00	29.51	37.69	10.52	32.36	Average
4	15600.000	59.67	-14.33	74.00	43.82	37.69	10.52	32.36	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.

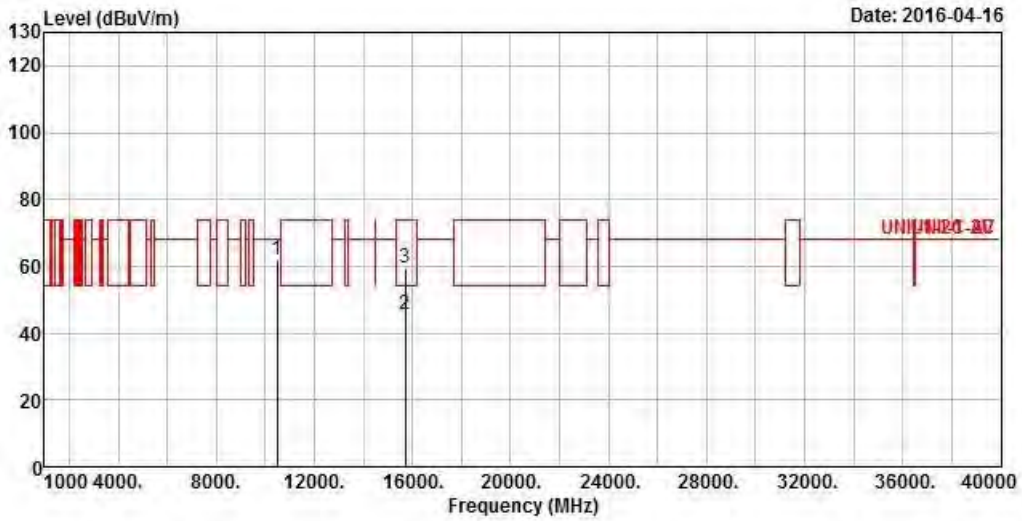
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20 (TxBF)	**Test Freq. (MHz)**	5200
N_{TX}	4	**Polarization**	H



	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	7849.000	54.80	-13.40	68.20	43.62	36.92	7.18	32.92	Peak
2	10400.000	60.24	-7.96	68.20	45.70	38.90	8.49	32.85	Peak
3	15600.000	45.33	-8.67	54.00	29.48	37.69	10.52	32.36	Average
4	15600.000	59.94	-14.06	74.00	44.09	37.69	10.52	32.36	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.

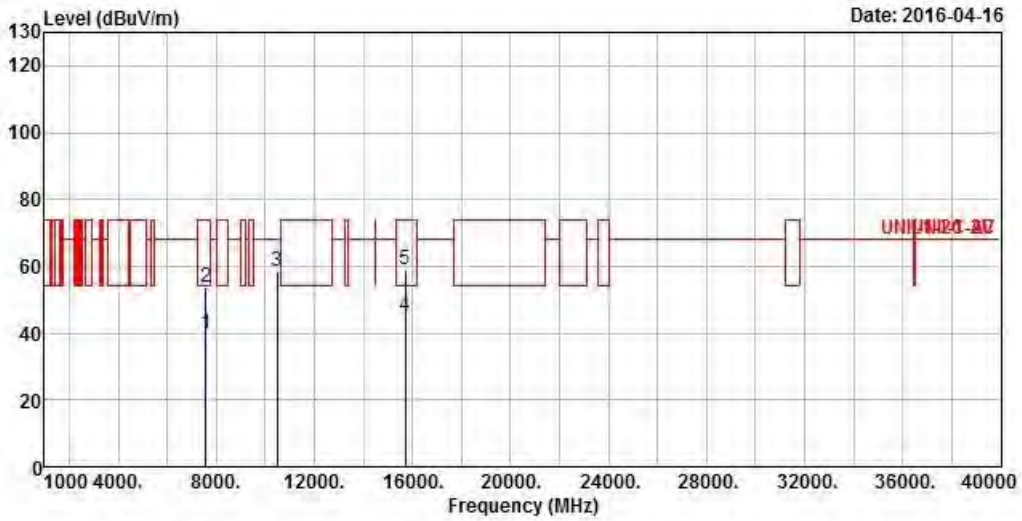
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20 (TxBF)	**Test Freq. (MHz)**	5240
N_{TX}	4	**Polarization**	V



	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	10480.000	61.65	-6.55	68.20	46.98	38.90	8.55	32.78	Peak
2	15720.000	45.41	-8.59	54.00	29.60	37.45	10.75	32.39	Average
3	15720.000	59.26	-14.74	74.00	43.45	37.45	10.75	32.39	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.

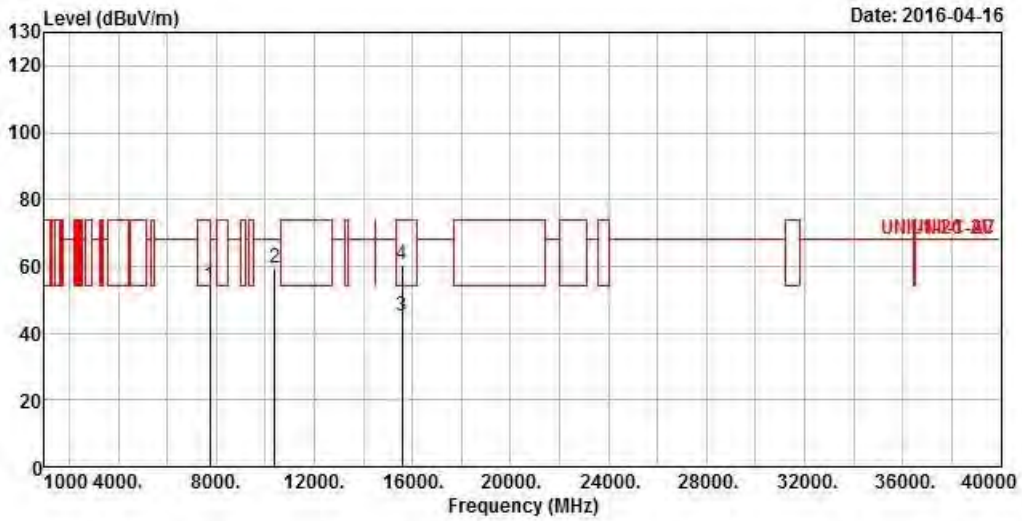
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20 (TxBF)	**Test Freq. (MHz)**	5240
N_{TX}	4	**Polarization**	H



	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7589.000	40.01	-13.99	54.00	29.12	36.62	7.14	32.87	Average
2	7589.000	53.87	-20.13	74.00	42.98	36.62	7.14	32.87	Peak
3	10480.000	58.75	-9.45	68.20	44.08	38.90	8.55	32.78	Peak
4	15720.000	45.13	-8.87	54.00	29.32	37.45	10.75	32.39	Average
5	15720.000	58.78	-15.22	74.00	42.97	37.45	10.75	32.39	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.

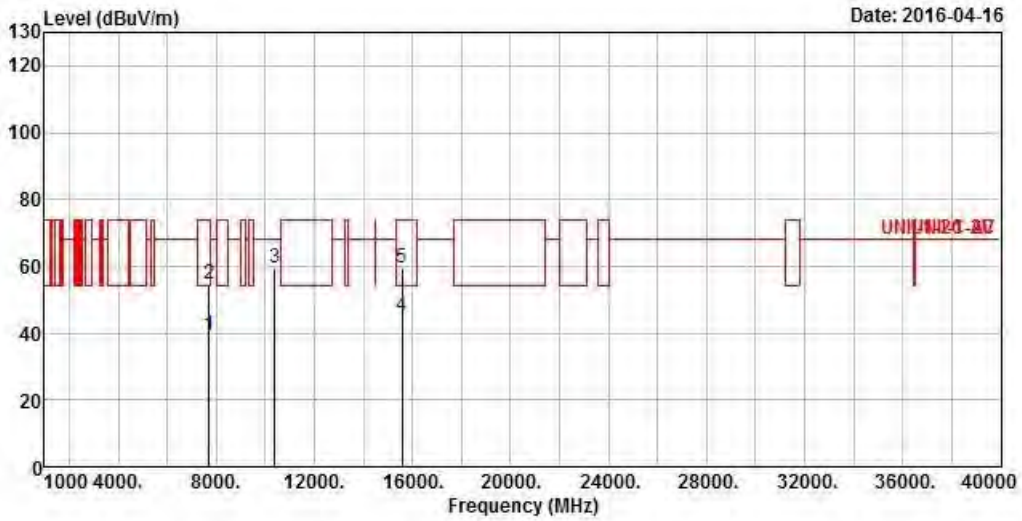
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT40 (TxBF)	**Test Freq. (MHz)**	5190
N_{TX}	4	**Polarization**	V



	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	7753.000	54.44	-13.76	68.20	43.41	36.80	7.13	32.90	Peak
2	10380.000	59.28	-8.92	68.20	44.77	38.90	8.48	32.87	Peak
3	15570.000	45.24	-8.76	54.00	29.37	37.76	10.46	32.35	Average
4	15570.000	60.29	-13.71	74.00	44.42	37.76	10.46	32.35	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.

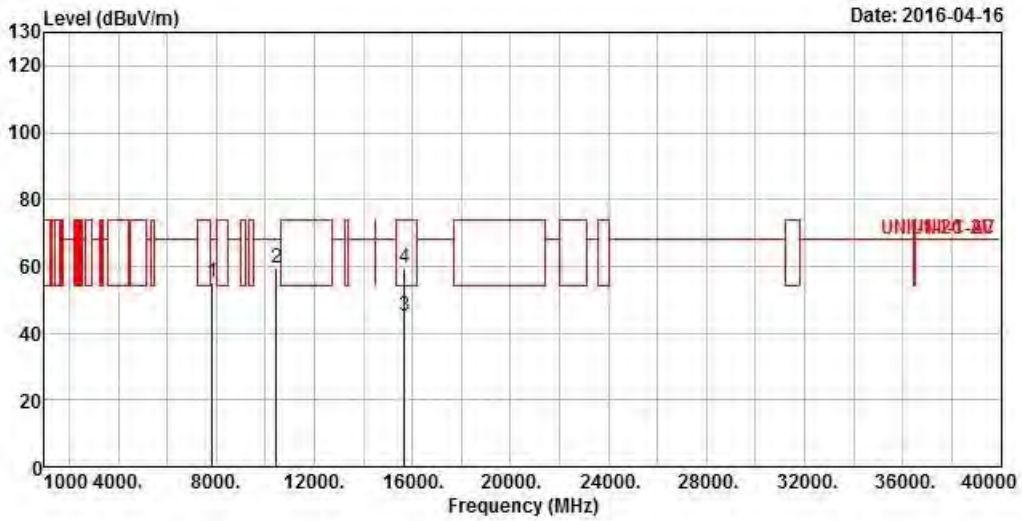
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT40 (TxBF)	**Test Freq. (MHz)**	5190
N_{TX}	4	**Polarization**	H



	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	7700.000	39.14	-14.86	54.00	28.15	36.74	7.14	32.89	Average
2	7700.000	54.81	-19.19	74.00	43.82	36.74	7.14	32.89	Peak
3	10380.000	59.39	-8.81	68.20	44.88	38.90	8.48	32.87	Peak
4	15570.000	45.31	-8.69	54.00	29.44	37.76	10.46	32.35	Average
5	15570.000	59.41	-14.59	74.00	43.54	37.76	10.46	32.35	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.

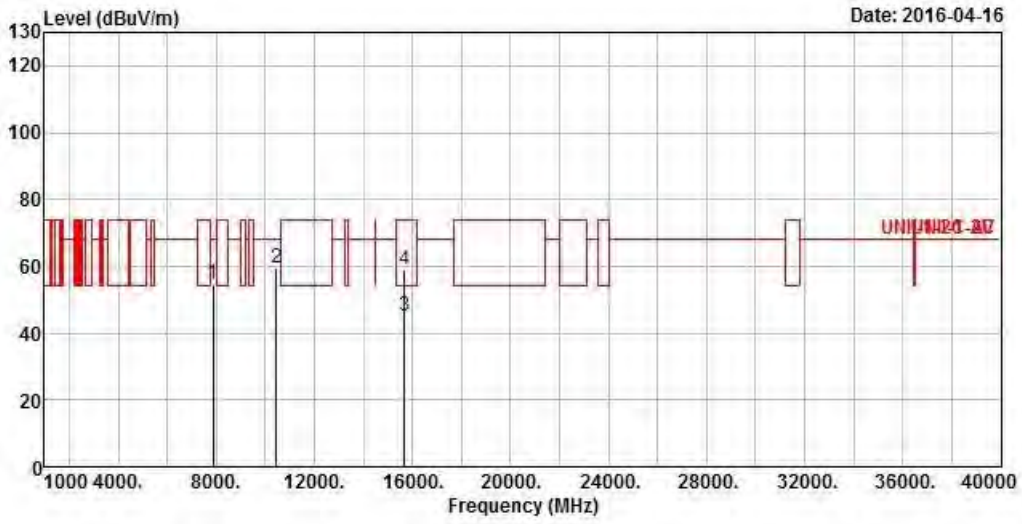
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT40 (TxBF)	**Test Freq. (MHz)**	5230
N_{TX}	4	**Polarization**	V



	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	7824.000	55.01	-13.19	68.20	43.88	36.88	7.16	32.91	Peak
2	10460.000	59.67	-8.53	68.20	45.04	38.90	8.53	32.80	Peak
3	15690.000	44.96	-9.04	54.00	29.14	37.52	10.69	32.39	Average
4	15690.000	59.35	-14.65	74.00	43.53	37.52	10.69	32.39	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.

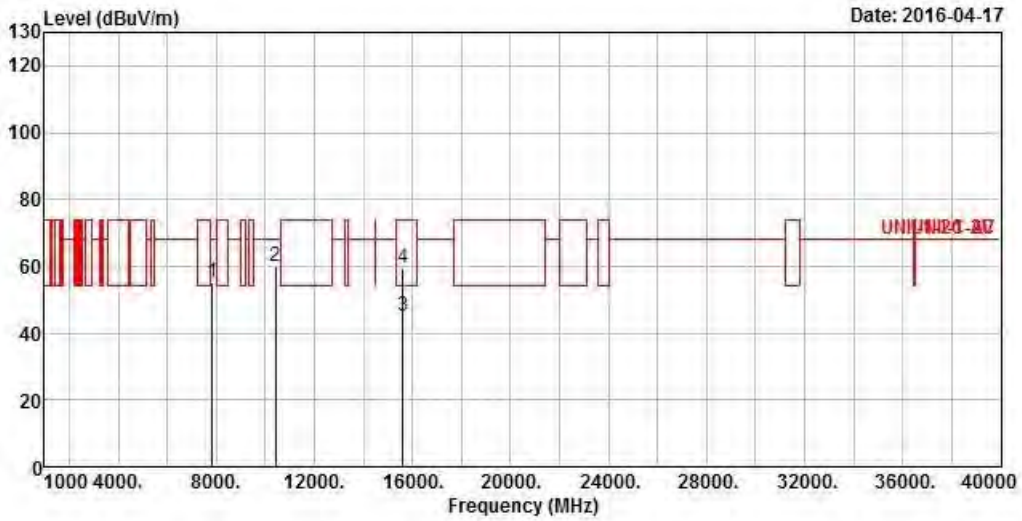
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT40 (TxBF)	**Test Freq. (MHz)**	5230
N_{TX}	4	**Polarization**	H



	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	7856.000	54.48	-13.72	68.20	43.29	36.92	7.19	32.92	Peak
2	10460.000	59.35	-8.85	68.20	44.72	38.90	8.53	32.80	Peak
3	15690.000	44.98	-9.02	54.00	29.16	37.52	10.69	32.39	Average
4	15690.000	59.05	-14.95	74.00	43.23	37.52	10.69	32.39	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.

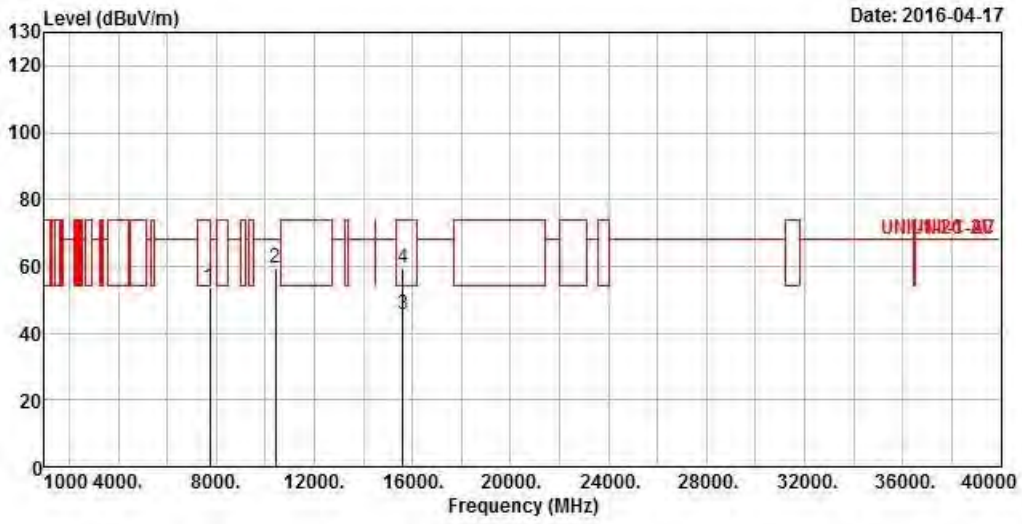
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT80 (TxBF)	**Test Freq. (MHz)**	5210
N_{TX}	4	**Polarization**	V



	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	7840.000	55.27	-12.93	68.20	44.11	36.90	7.17	32.91	Peak
2	10420.000	59.88	-8.32	68.20	45.32	38.90	8.51	32.85	Peak
3	15630.000	44.90	-9.10	54.00	29.07	37.62	10.58	32.37	Average
4	15630.000	59.52	-14.48	74.00	43.69	37.62	10.58	32.37	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 (TxBF)	**Test Freq. (MHz)**	5210
N_{TX}	4	**Polarization**	H

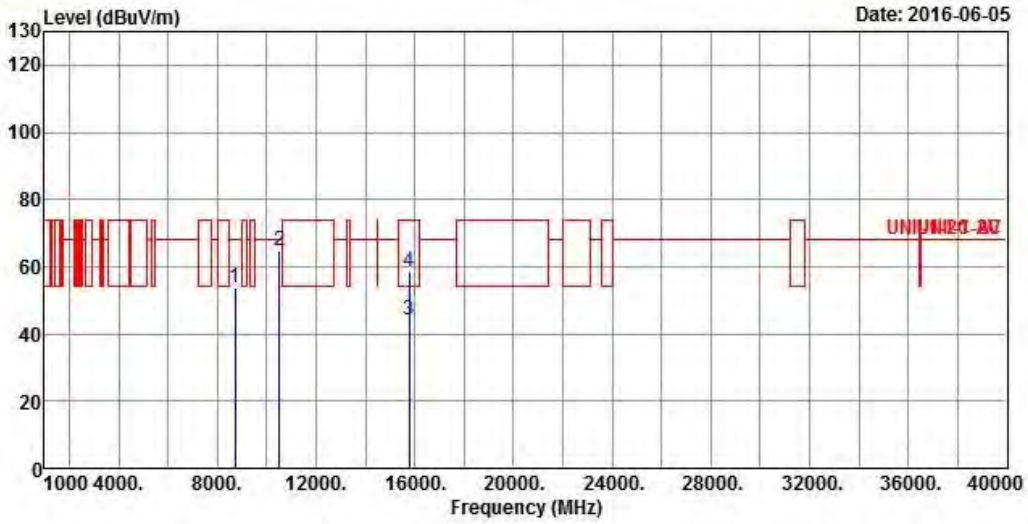


	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7754.000	53.74	-14.46	68.20	42.71	36.80	7.13	32.90	Peak
2	10420.000	59.38	-8.82	68.20	44.82	38.90	8.51	32.85	Peak
3	15630.000	45.35	-8.65	54.00	29.52	37.62	10.58	32.37	Average
4	15630.000	59.41	-14.59	74.00	43.58	37.62	10.58	32.37	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.

3.6.8 Transmitter Radiated Unwanted Emissions (Above 1GHz) for 5250-5350MHz

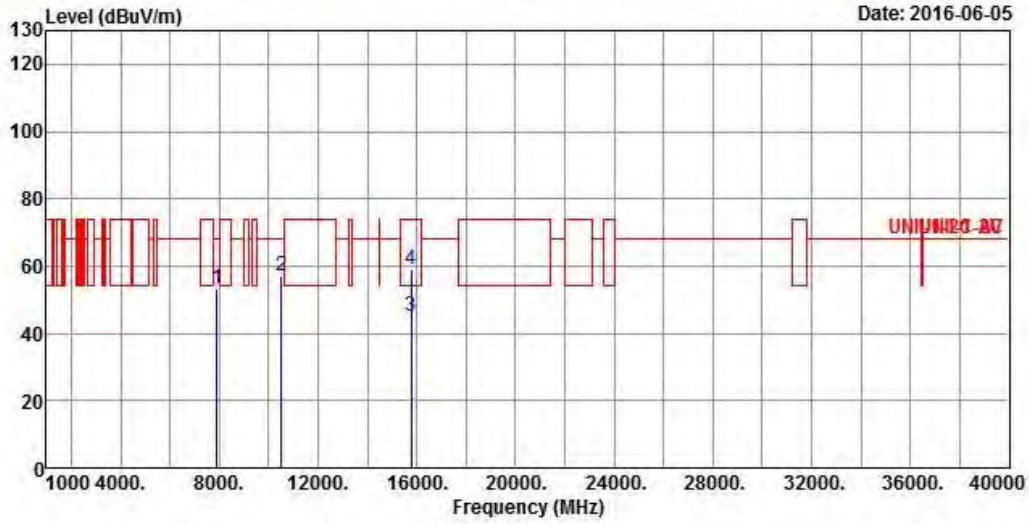
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (MHz)**	5260
N_{TX}	4	**Polarization**	V



	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	8717.000	53.93	-14.27	68.20	43.11	37.74	6.10	33.02	Peak
2	10520.000	64.65	-3.55	68.20	51.53	38.89	6.99	32.76	Peak
3	15780.000	44.20	-9.80	54.00	30.74	37.35	8.53	32.42	Average
4	15780.000	58.42	-15.58	74.00	44.96	37.35	8.53	32.42	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.

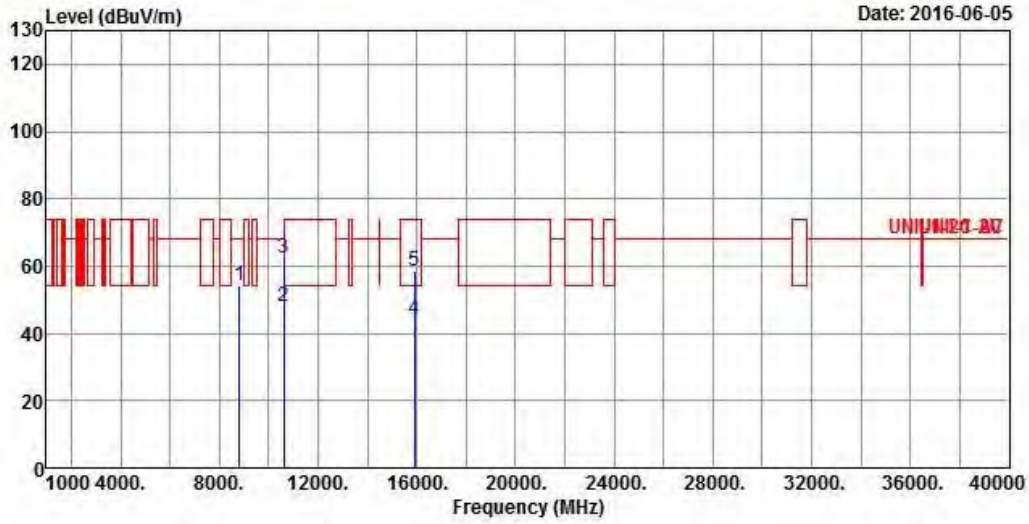
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (MHz)**	5260
N_{TX}	4	**Polarization**	H



	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	7908.000	53.43	-14.77	68.20	43.57	36.98	5.80	32.92	Peak
2	10520.000	56.85	-11.35	68.20	43.73	38.89	6.99	32.76	Peak
3	15780.000	44.89	-9.11	54.00	31.43	37.35	8.53	32.42	Average
4	15780.000	59.16	-14.84	74.00	45.70	37.35	8.53	32.42	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.

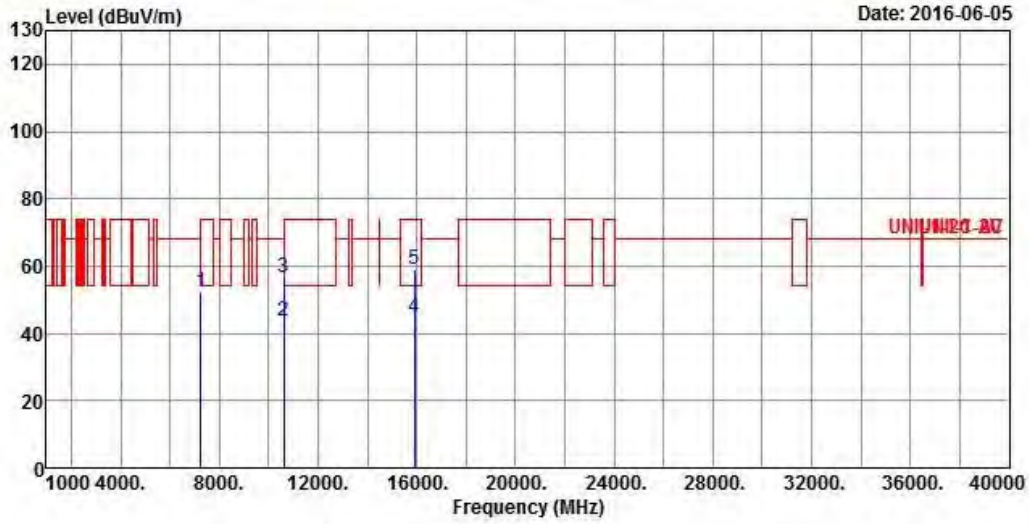
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (MHz)**	5300
N_{TX}	4	**Polarization**	V



	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	8815.000	54.41	-13.79	68.20	43.60	37.76	6.09	33.04	Peak
2	10600.000	47.93	-6.07	54.00	34.83	38.82	7.00	32.72	Average
3	10600.000	62.40	-11.60	74.00	49.30	38.82	7.00	32.72	Peak
4	15900.000	44.10	-9.90	54.00	30.89	37.11	8.55	32.45	Average
5	15900.000	58.33	-15.67	74.00	45.12	37.11	8.55	32.45	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.

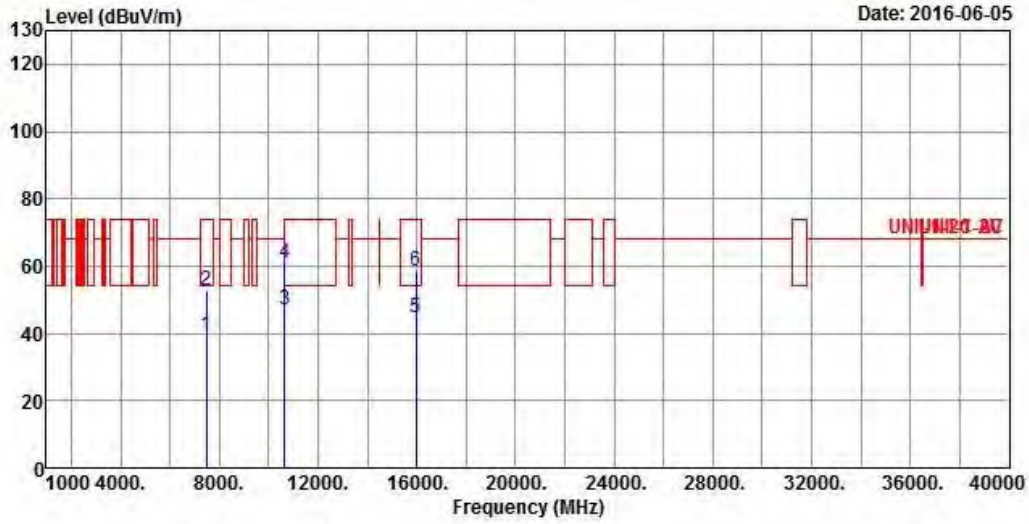
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (MHz)**	5300
N_{TX}	4	**Polarization**	H



	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	7236.500	52.52	-15.68	68.20	43.96	35.83	5.51	32.78	Peak
2	10600.000	43.69	-10.31	54.00	30.59	38.82	7.00	32.72	Average
3	10600.000	56.61	-17.39	74.00	43.51	38.82	7.00	32.72	Peak
4	15900.000	44.60	-9.40	54.00	31.39	37.11	8.55	32.45	Average
5	15900.000	58.93	-15.07	74.00	45.72	37.11	8.55	32.45	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.

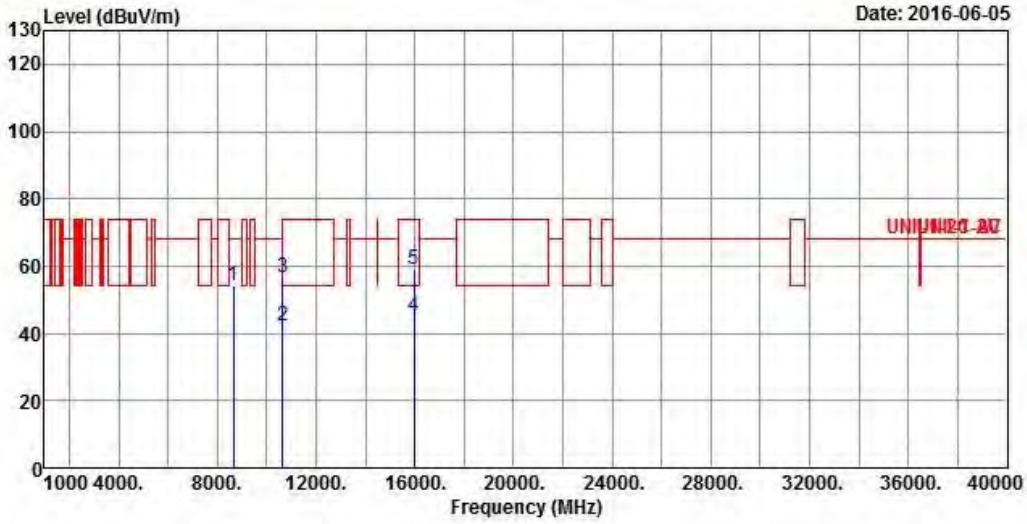
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (MHz)**	5320
N_{TX}	4	**Polarization**	V



	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	7476.000	39.23	-14.77	54.00	29.95	36.46	5.67	32.85	Average
2	7476.000	52.64	-21.36	74.00	43.36	36.46	5.67	32.85	Peak
3	10640.000	47.02	-6.98	54.00	33.92	38.79	7.00	32.69	Average
4	10640.000	60.80	-13.20	74.00	47.70	38.79	7.00	32.69	Peak
5	15960.000	44.59	-9.41	54.00	31.53	36.97	8.56	32.47	Average
6	15960.000	58.60	-15.40	74.00	45.54	36.97	8.56	32.47	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: 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.

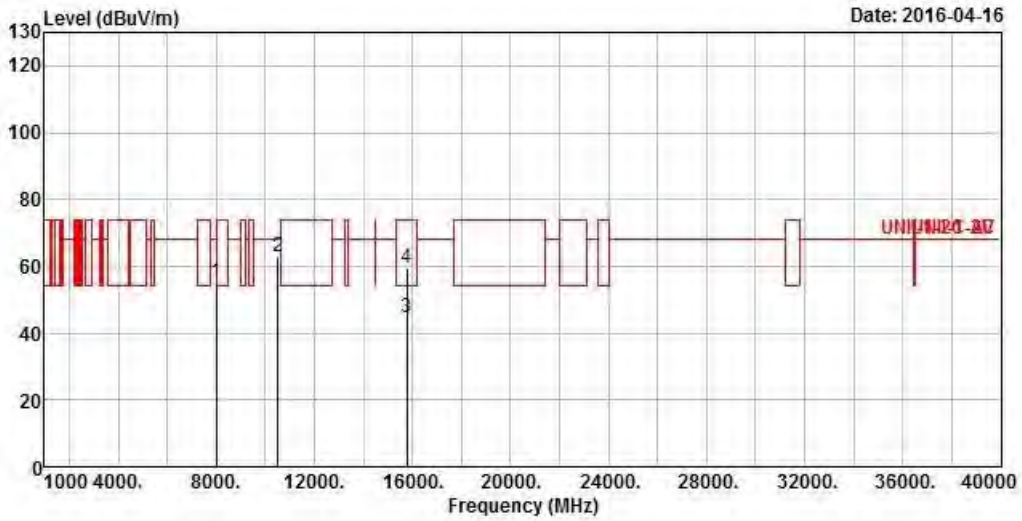
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (MHz)**	5320
N_{TX}	4	**Polarization**	H



	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	8649.000	54.38	-13.82	68.20	43.54	37.73	6.10	32.99	Peak
2	10640.000	42.04	-11.96	54.00	28.94	38.79	7.00	32.69	Average
3	10640.000	56.60	-17.40	74.00	43.50	38.79	7.00	32.69	Peak
4	15960.000	44.89	-9.11	54.00	31.83	36.97	8.56	32.47	Average
5	15960.000	58.88	-15.12	74.00	45.82	36.97	8.56	32.47	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: 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.

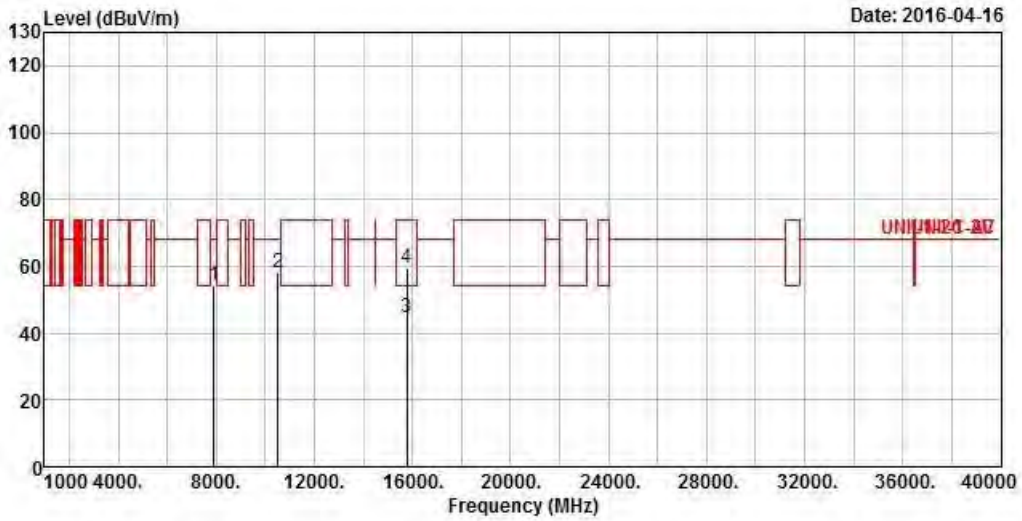
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20 (TxBF)	**Test Freq. (MHz)**	5260
N_{TX}	4	**Polarization**	V



	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	7998.000	55.02	-13.18	68.20	43.52	37.10	7.34	32.94	Peak
2	10520.000	62.76	-5.44	68.20	48.06	38.89	8.57	32.76	Peak
3	15780.000	44.51	-9.49	54.00	28.72	37.35	10.86	32.42	Average
4	15780.000	59.40	-14.60	74.00	43.61	37.35	10.86	32.42	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.

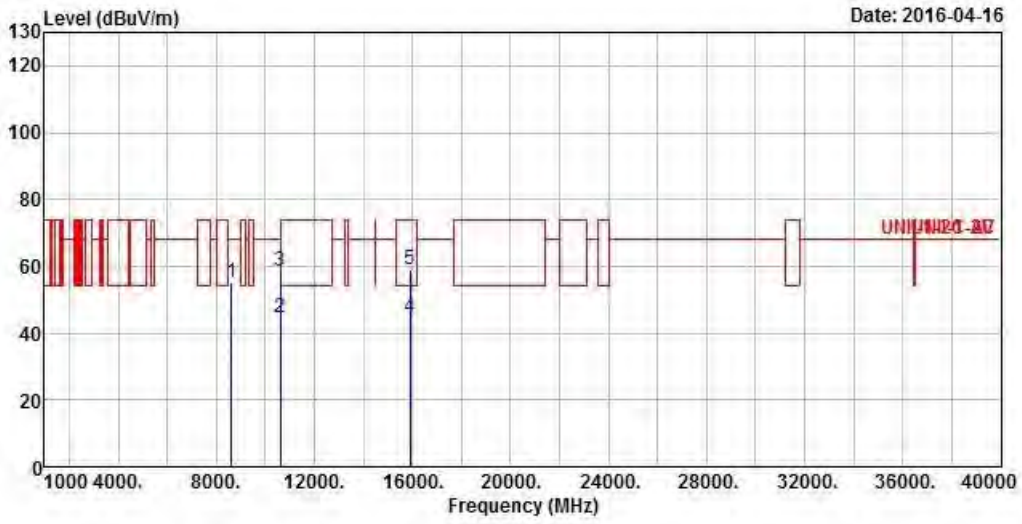
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20 (TxBF)	**Test Freq. (MHz)**	5260
N_{TX}	4	**Polarization**	H



	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	7895.000	54.10	-14.10	68.20	42.81	36.98	7.23	32.92	Peak
2	10520.000	58.19	-10.01	68.20	43.49	38.89	8.57	32.76	Peak
3	15780.000	44.57	-9.43	54.00	28.78	37.35	10.86	32.42	Average
4	15780.000	59.64	-14.36	74.00	43.85	37.35	10.86	32.42	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.

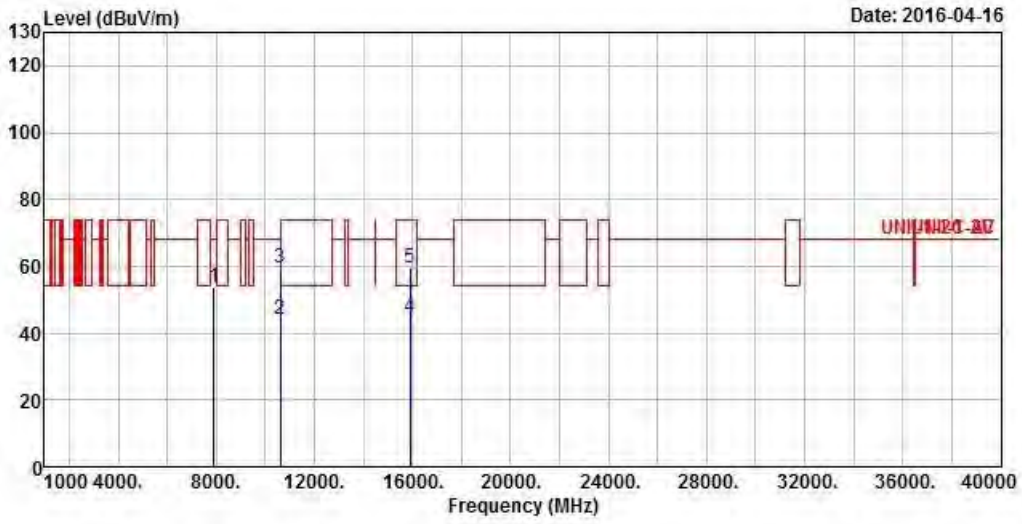
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20 (TxBF)	**Test Freq. (MHz)**	5300
N_{TX}	4	**Polarization**	V



	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	8618.000	55.38	-12.82	68.20	42.88	37.72	7.76	32.98	Peak
2	10600.000	44.73	-9.27	54.00	30.01	38.82	8.62	32.72	Average
3	10600.000	58.65	-15.35	74.00	43.93	38.82	8.62	32.72	Peak
4	15900.000	44.43	-9.57	54.00	28.68	37.11	11.09	32.45	Average
5	15900.000	58.97	-15.03	74.00	43.22	37.11	11.09	32.45	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.

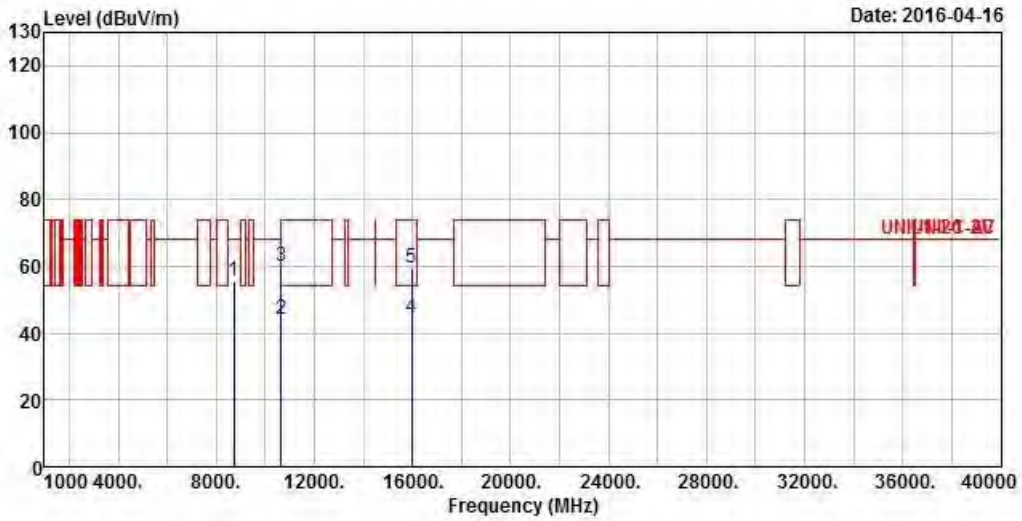
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20 (TxBF)	**Test Freq. (MHz)**	5300
N_{TX}	4	**Polarization**	H



	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	7891.000	53.78	-14.42	68.20	42.51	36.96	7.23	32.92	Peak
2	10600.000	44.30	-9.70	54.00	29.58	38.82	8.62	32.72	Average
3	10600.000	59.45	-14.55	74.00	44.73	38.82	8.62	32.72	Peak
4	15900.000	44.66	-9.34	54.00	28.91	37.11	11.09	32.45	Average
5	15900.000	59.45	-14.55	74.00	43.70	37.11	11.09	32.45	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.

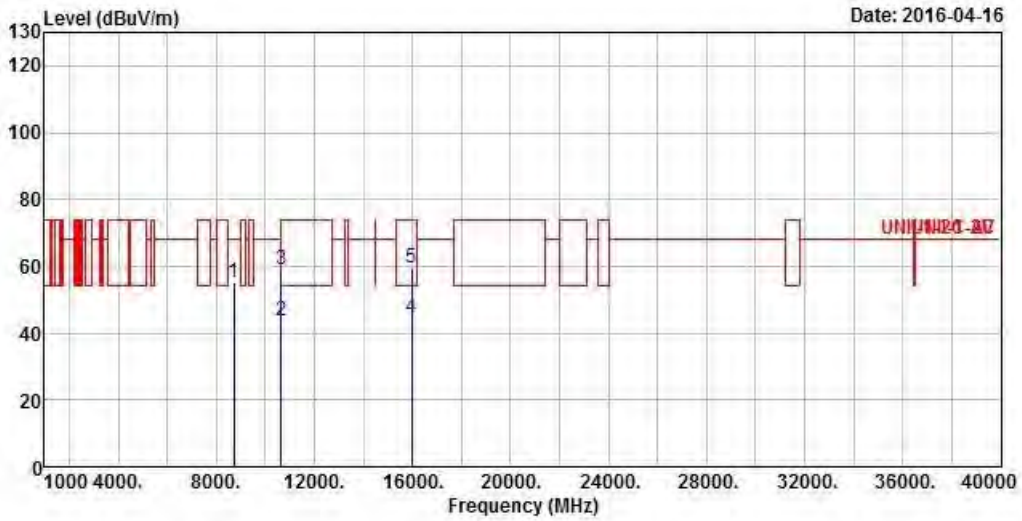
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20 (TxBF)	**Test Freq. (MHz)**	5320
N_{TX}	4	**Polarization**	V



	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	8711.000	55.74	-12.46	68.20	43.18	37.74	7.83	33.01	Peak
2	10640.000	44.11	-9.89	54.00	29.36	38.79	8.65	32.69	Average
3	10640.000	60.03	-13.97	74.00	45.28	38.79	8.65	32.69	Peak
4	15960.000	44.69	-9.31	54.00	28.99	36.97	11.20	32.47	Average
5	15960.000	59.61	-14.39	74.00	43.91	36.97	11.20	32.47	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: 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.

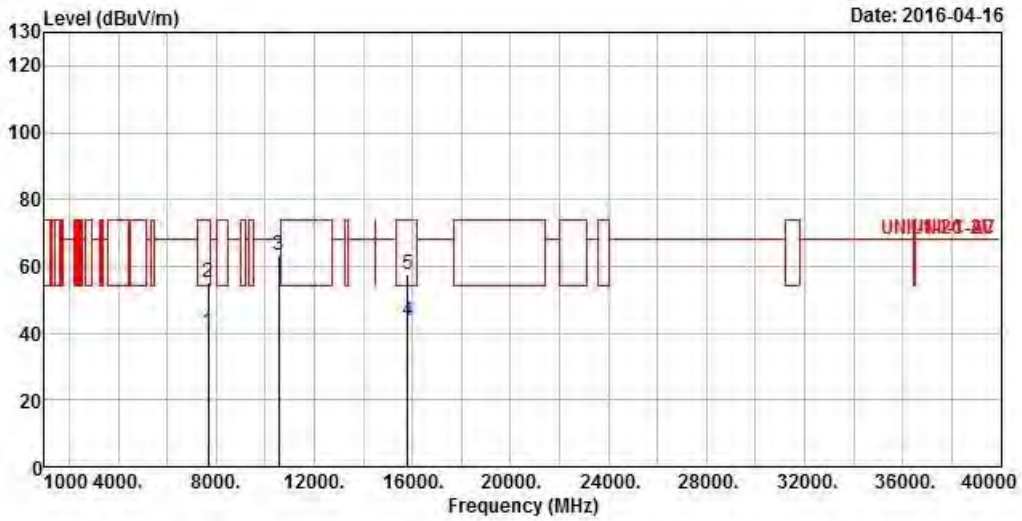
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20 (TxBF)	**Test Freq. (MHz)**	5320
N_{TX}	4	**Polarization**	H



	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	8716.000	55.28	-12.92	68.20	42.73	37.74	7.83	33.02	Peak
2	10640.000	43.84	-10.16	54.00	29.09	38.79	8.65	32.69	Average
3	10640.000	58.89	-15.11	74.00	44.14	38.79	8.65	32.69	Peak
4	15960.000	44.71	-9.29	54.00	29.01	36.97	11.20	32.47	Average
5	15960.000	59.41	-14.59	74.00	43.71	36.97	11.20	32.47	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: 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.

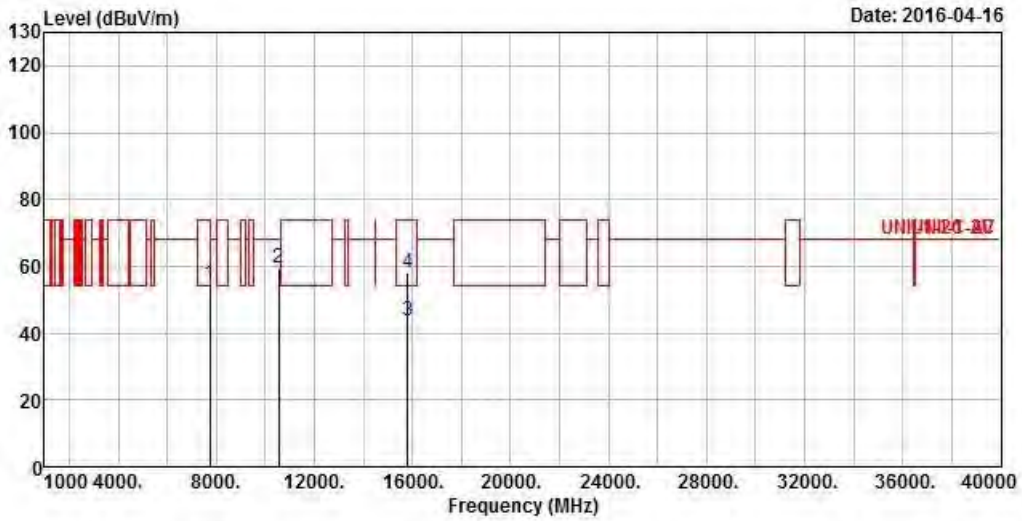
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT40 (TxBF)	**Test Freq. (MHz)**	5270
N_{TX}	4	**Polarization**	V



	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	7680.000	40.09	-13.91	54.00	29.12	36.72	7.14	32.89	Average
2	7680.000	55.27	-18.73	74.00	44.30	36.72	7.14	32.89	Peak
3	10540.000	63.44	-4.76	68.20	48.73	38.87	8.59	32.75	Peak
4	15810.000	43.57	-10.43	54.00	27.79	37.28	10.92	32.42	Average
5	15810.000	57.79	-16.21	74.00	42.01	37.28	10.92	32.42	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.

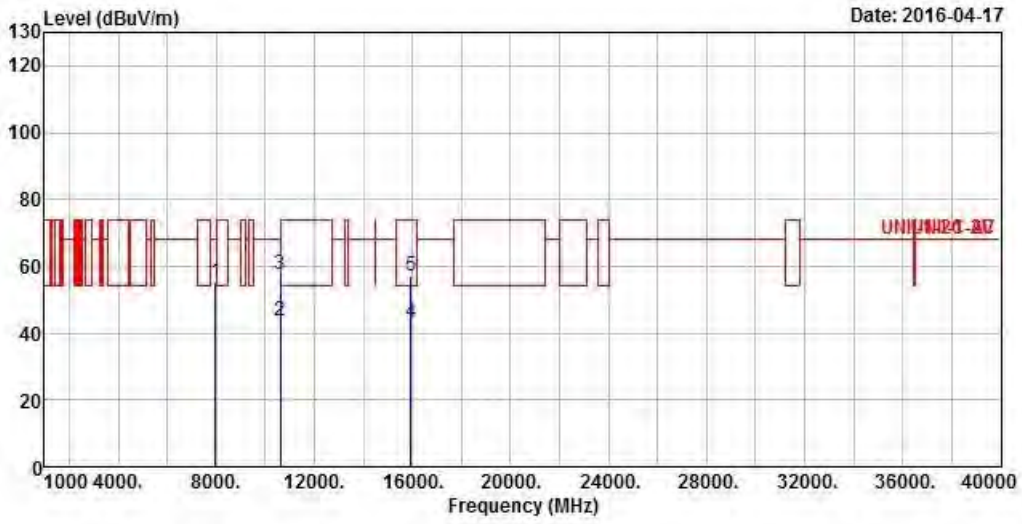
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT40 (TxBF)	**Test Freq. (MHz)**	5270
N_{TX}	4	**Polarization**	H



	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	7756.000	54.60	-13.60	68.20	43.57	36.80	7.13	32.90	Peak
2	10540.000	59.60	-8.60	68.20	44.89	38.87	8.59	32.75	Peak
3	15810.000	43.66	-10.34	54.00	27.88	37.28	10.92	32.42	Average
4	15810.000	57.98	-16.02	74.00	42.20	37.28	10.92	32.42	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.

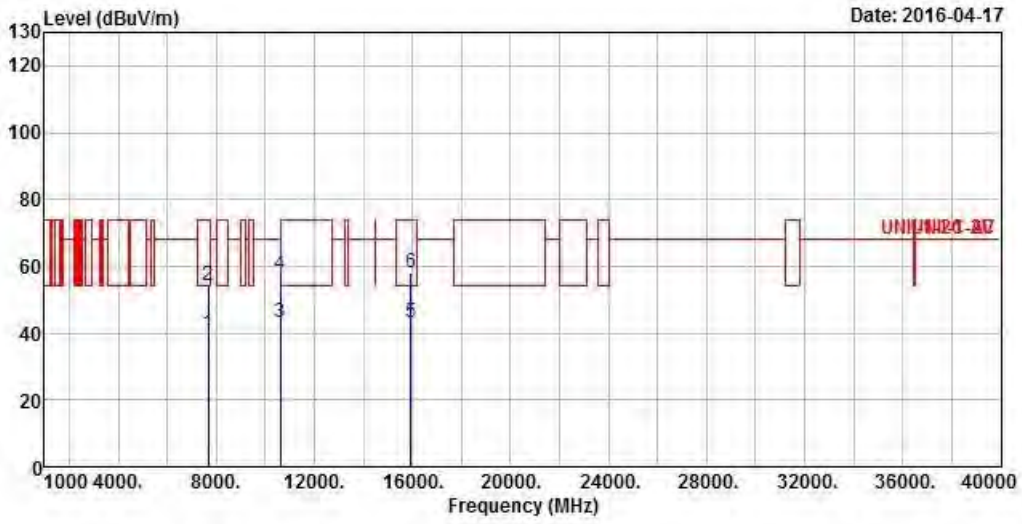
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT40 (TxBF)	**Test Freq. (MHz)**	5310
N_{TX}	4	**Polarization**	V



	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	7964.000	55.11	-13.09	68.20	43.68	37.06	7.30	32.93	Peak
2	10620.000	43.60	-10.40	54.00	28.87	38.80	8.64	32.71	Average
3	10620.000	57.40	-16.60	74.00	42.67	38.80	8.64	32.71	Peak
4	15930.000	43.15	-10.85	54.00	27.42	37.04	11.15	32.46	Average
5	15930.000	57.29	-16.71	74.00	41.56	37.04	11.15	32.46	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.

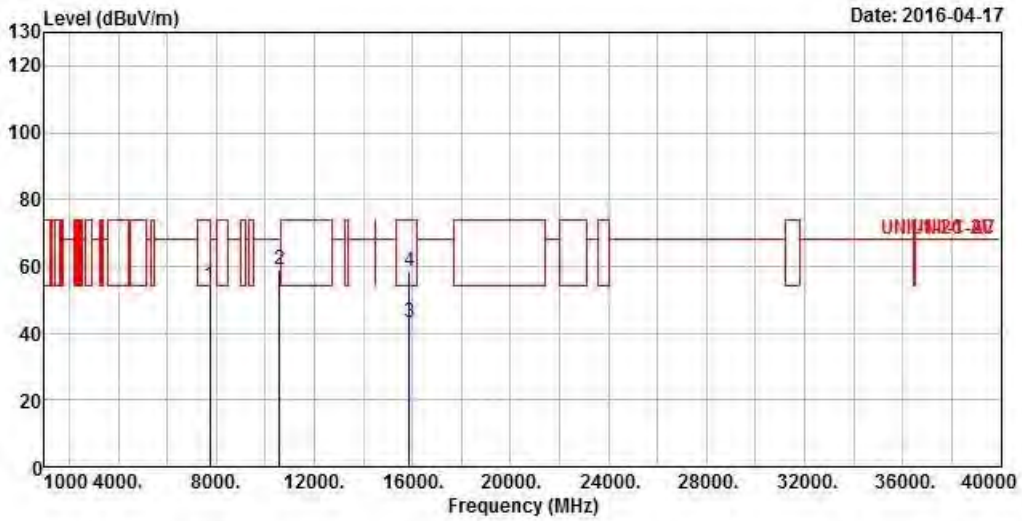
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT40 (TxBF)	**Test Freq. (MHz)**	5310
N_{TX}	4	**Polarization**	H



	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	7668.000	39.82	-14.18	54.00	28.86	36.70	7.14	32.88	Average
2	7668.000	54.26	-19.74	74.00	43.30	36.70	7.14	32.88	Peak
3	10620.000	43.07	-10.93	54.00	28.34	38.80	8.64	32.71	Average
4	10620.000	57.60	-16.40	74.00	42.87	38.80	8.64	32.71	Peak
5	15930.000	43.17	-10.83	54.00	27.44	37.04	11.15	32.46	Average
6	15930.000	57.98	-16.02	74.00	42.25	37.04	11.15	32.46	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.

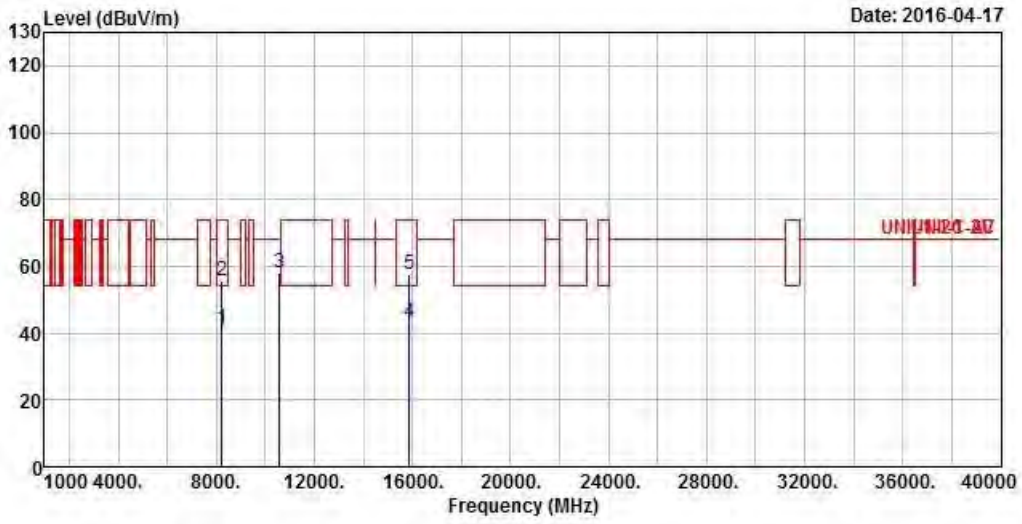
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT80 (TxBF)	**Test Freq. (MHz)**	5290
N_{TX}	4	**Polarization**	V



	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	7752.000	54.43	-13.77	68.20	43.40	36.80	7.13	32.90	Peak
2	10580.000	59.09	-9.11	68.20	44.37	38.83	8.61	32.72	Peak
3	15870.000	43.19	-10.81	54.00	27.46	37.14	11.03	32.44	Average
4	15870.000	58.39	-15.61	74.00	42.66	37.14	11.03	32.44	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 (TxBF)	**Test Freq. (MHz)**	5290
N_{TX}	4	**Polarization**	H

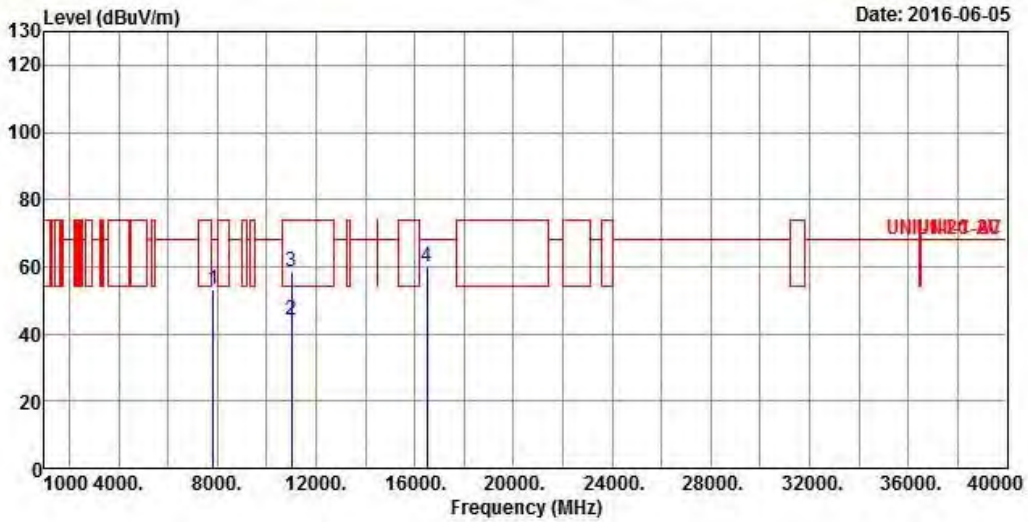


	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	8247.000	41.18	-12.82	54.00	29.10	37.39	7.63	32.94	Average
2	8247.000	55.48	-18.52	74.00	43.40	37.39	7.63	32.94	Peak
3	10580.000	58.08	-10.12	68.20	43.36	38.83	8.61	32.72	Peak
4	15870.000	43.16	-10.84	54.00	27.43	37.14	11.03	32.44	Average
5	15870.000	57.75	-16.25	74.00	42.02	37.14	11.03	32.44	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.

3.6.9 Transmitter Radiated Unwanted Emissions (Above 1GHz) for 5470-5725MHz

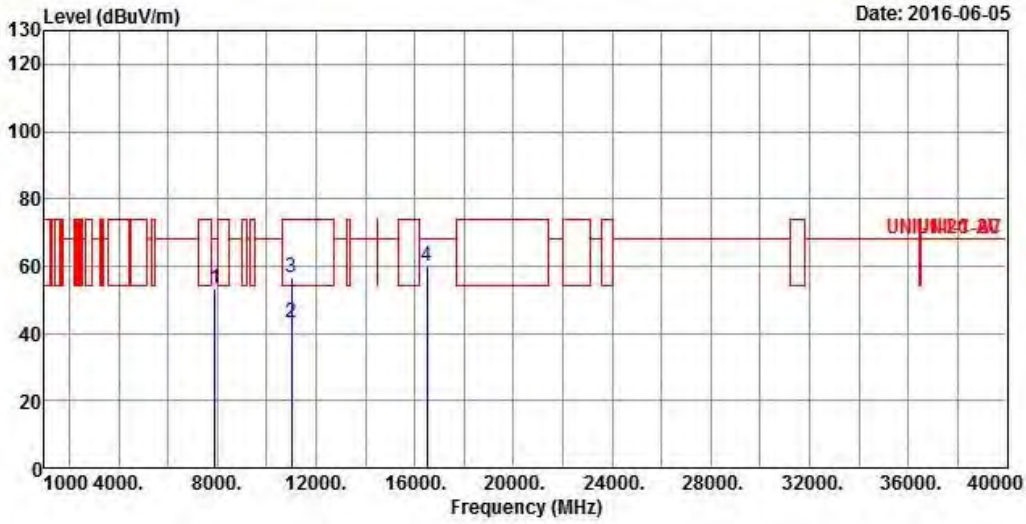
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (MHz)**	5500
N_{TX}	4	**Polarization**	V



	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	7849.000	53.47	-14.73	68.20	43.68	36.92	5.79	32.92	Peak
2	11000.000	44.09	-9.91	54.00	31.06	38.50	7.03	32.50	Average
3	11000.000	58.51	-15.49	74.00	45.48	38.50	7.03	32.50	Peak
4	16500.000	59.74	-8.46	68.20	45.47	37.90	8.46	32.09	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.

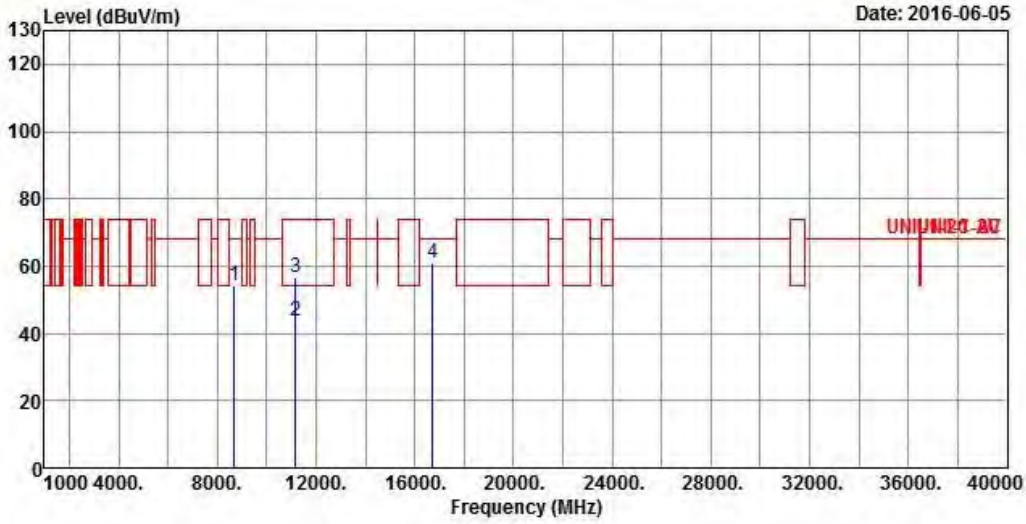
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (MHz)**	5500
N_{TX}	4	**Polarization**	H



	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	7914.000	53.26	-14.94	68.20	43.38	37.00	5.80	32.92	Peak
2	11000.000	42.98	-11.02	54.00	29.95	38.50	7.03	32.50	Average
3	11000.000	56.74	-17.26	74.00	43.71	38.50	7.03	32.50	Peak
4	16500.000	59.98	-8.22	68.20	45.71	37.90	8.46	32.09	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.

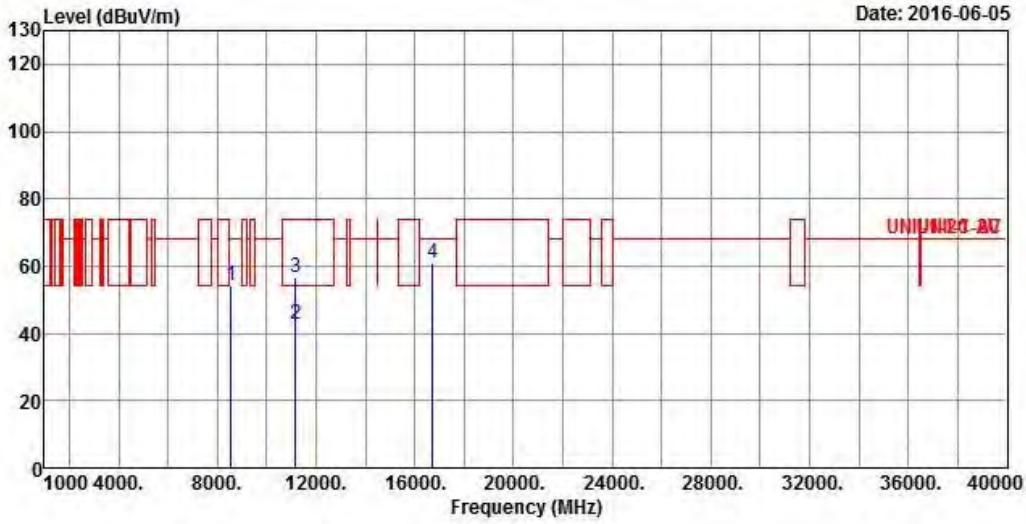
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (MHz)**	5580
N_{TX}	4	**Polarization**	V



	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	8681.000	54.11	-14.09	68.20	43.27	37.74	6.10	33.00	Peak
2	11160.000	43.71	-10.29	54.00	30.54	38.73	6.93	32.49	Average
3	11160.000	56.82	-17.18	74.00	43.65	38.73	6.93	32.49	Peak
4	16740.000	61.02	-7.18	68.20	45.38	38.87	8.56	31.79	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.

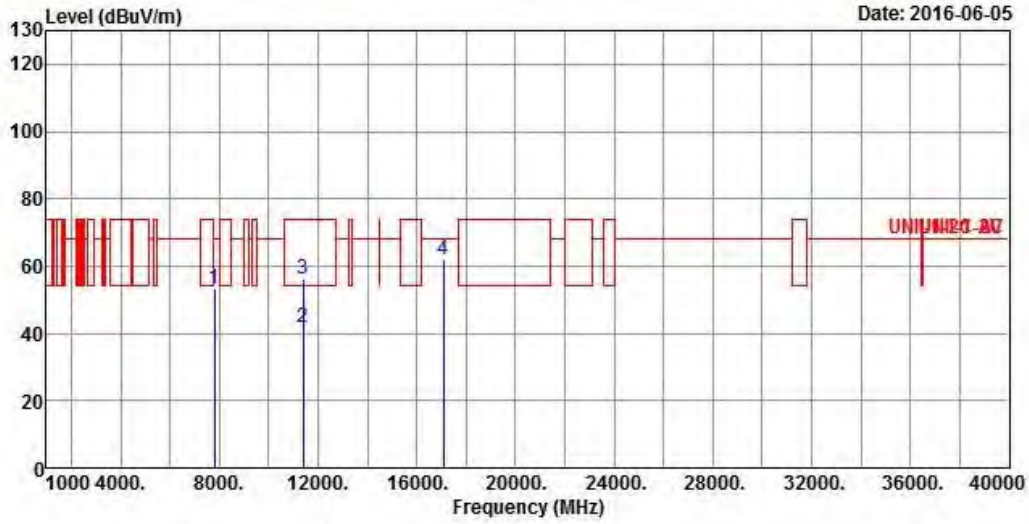
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (MHz)**	5580
N_{TX}	4	**Polarization**	H



	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	8568.000	54.34	-13.86	68.20	43.49	37.71	6.11	32.97	Peak
2	11160.000	42.51	-11.49	54.00	29.34	38.73	6.93	32.49	Average
3	11160.000	56.70	-17.30	74.00	43.53	38.73	6.93	32.49	Peak
4	16740.000	60.90	-7.30	68.20	45.26	38.87	8.56	31.79	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.

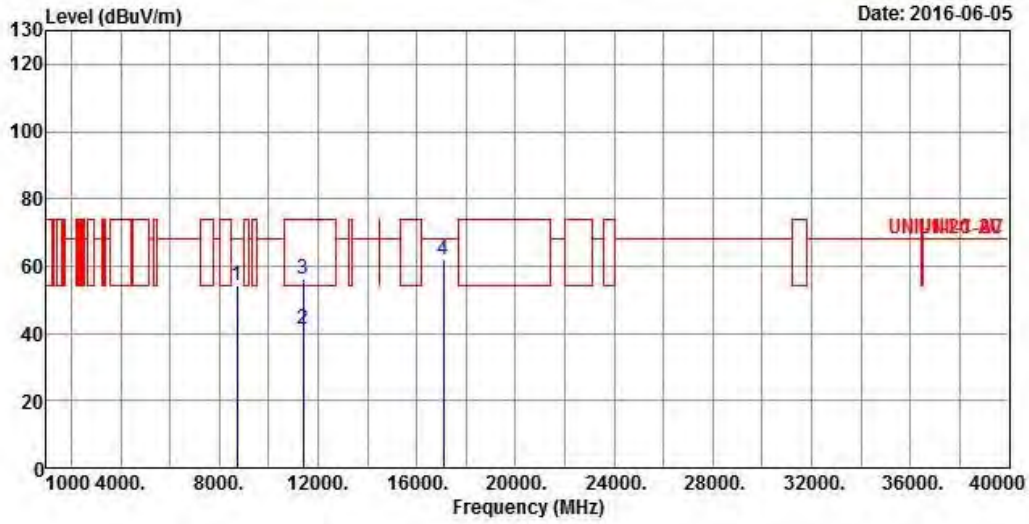
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (MHz)**	5700
N_{TX}	4	**Polarization**	V



	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	7803.000	53.27	-14.93	68.20	43.55	36.86	5.77	32.91	Peak
2	11400.000	41.83	-12.17	54.00	28.42	39.06	6.82	32.47	Average
3	11400.000	55.90	-18.10	74.00	42.49	39.06	6.82	32.47	Peak
4	17100.000	62.12	-6.08	68.20	44.34	40.68	8.59	31.49	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.

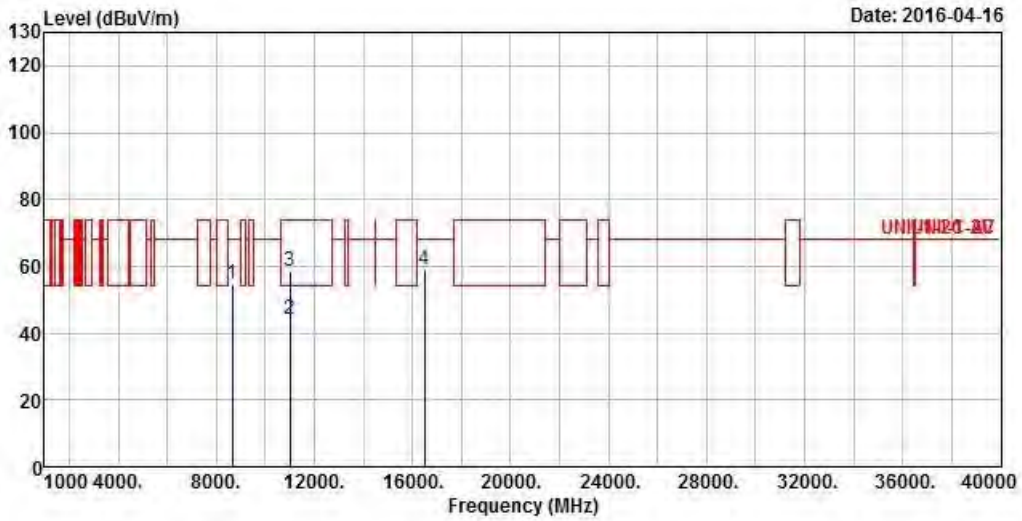
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (MHz)**	5700
N_{TX}	4	**Polarization**	H



	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	8711.000	54.23	-13.97	68.20	43.40	37.74	6.10	33.01	Peak
2	11400.000	41.44	-12.56	54.00	28.03	39.06	6.82	32.47	Average
3	11400.000	56.04	-17.96	74.00	42.63	39.06	6.82	32.47	Peak
4	17100.000	61.99	-6.21	68.20	44.21	40.68	8.59	31.49	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.

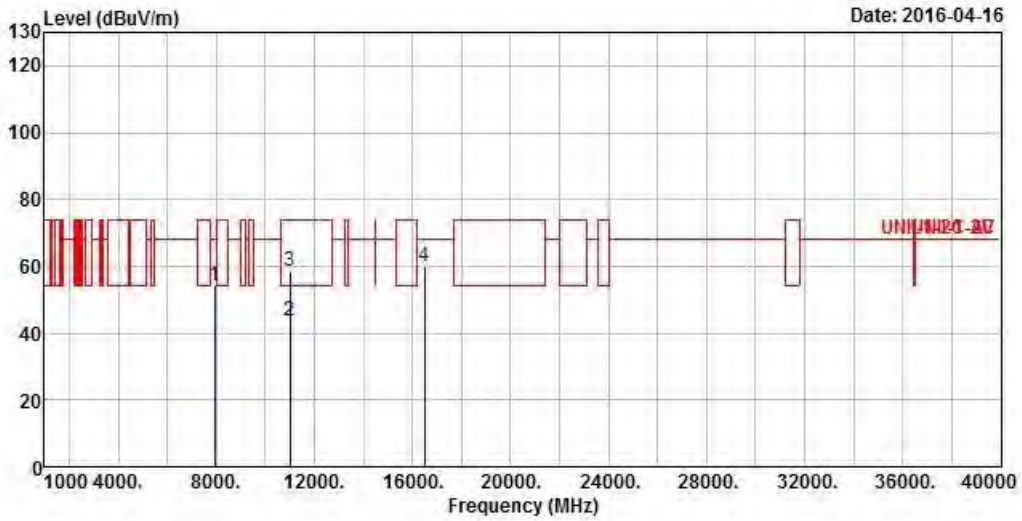
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20 (TxBF)	**Test Freq. (MHz)**	5500
N_{TX}	4	**Polarization**	V



	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	8647.000	54.52	-13.68	68.20	42.00	37.73	7.78	32.99	Peak
2	11000.000	44.33	-9.67	54.00	29.45	38.50	8.88	32.50	Average
3	11000.000	58.33	-15.67	74.00	43.45	38.50	8.88	32.50	Peak
4	16500.000	58.92	-9.28	68.20	42.71	37.90	10.40	32.09	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.

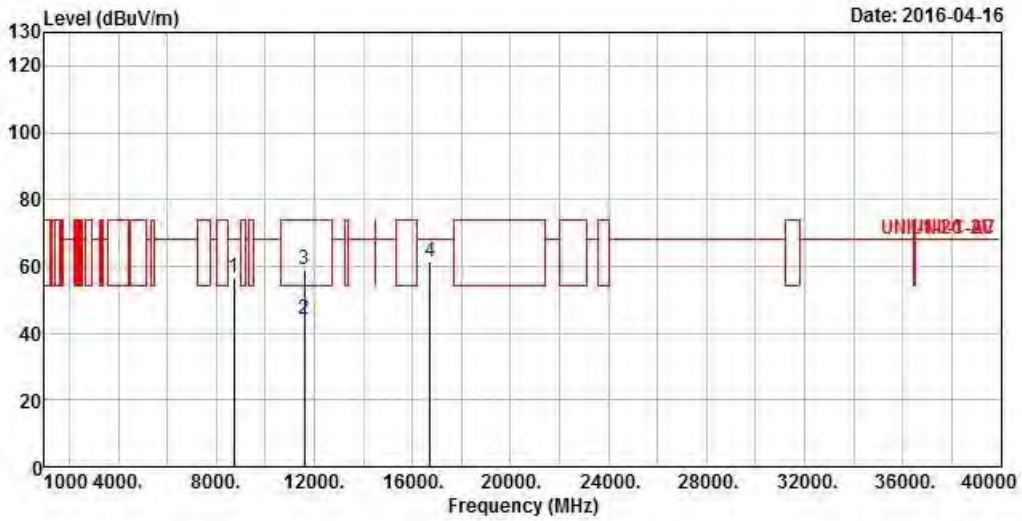
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20 (TxBF)	**Test Freq. (MHz)**	5500
N_{TX}	4	**Polarization**	H



	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	7933.000	54.04	-14.16	68.20	42.68	37.02	7.27	32.93	Peak
2	11000.000	43.67	-10.33	54.00	28.79	38.50	8.88	32.50	Average
3	11000.000	58.76	-15.24	74.00	43.88	38.50	8.88	32.50	Peak
4	16500.000	59.90	-8.30	68.20	43.69	37.90	10.40	32.09	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.

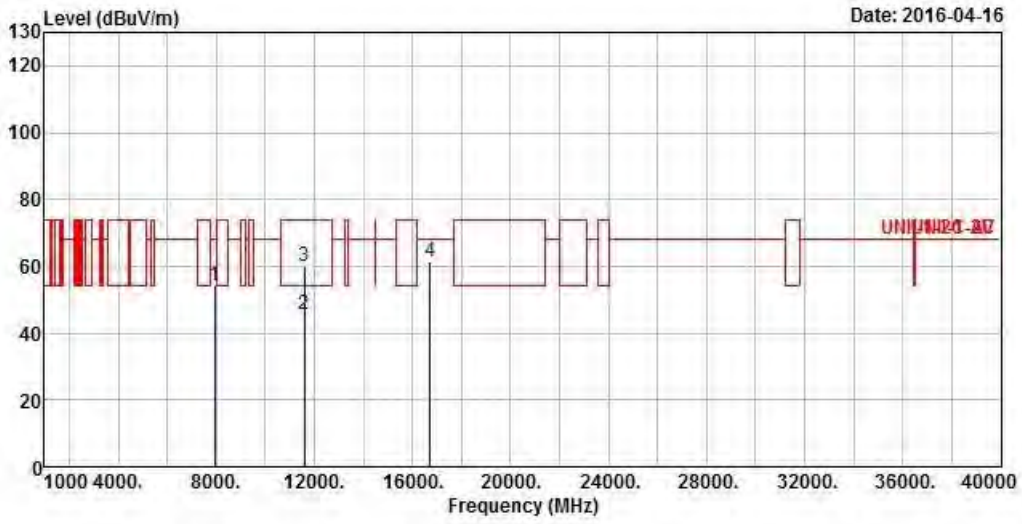
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20 (TxBF)	**Test Freq. (MHz)**	5580
N_{TX}	4	**Polarization**	V



	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	8715.000	56.41	-11.79	68.20	43.86	37.74	7.83	33.02	Peak
2	11600.000	44.32	-9.68	54.00	28.61	39.24	8.94	32.47	Average
3	11600.000	58.91	-15.09	74.00	43.20	39.24	8.94	32.47	Peak
4	16740.000	61.56	-6.64	68.20	43.89	38.87	10.59	31.79	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.

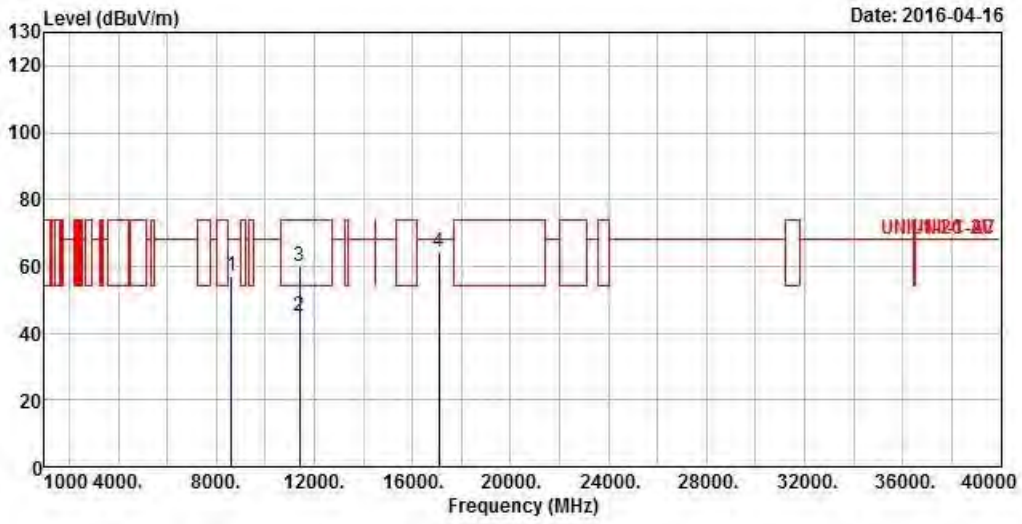
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20 (TxBF)	**Test Freq. (MHz)**	5580
N_{TX}	4	**Polarization**	H



	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	7925.000	54.18	-14.02	68.20	42.85	37.00	7.26	32.93	Peak
2	11600.000	45.51	-8.49	54.00	29.80	39.24	8.94	32.47	Average
3	11600.000	59.98	-14.02	74.00	44.27	39.24	8.94	32.47	Peak
4	16740.000	61.28	-6.92	68.20	43.61	38.87	10.59	31.79	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.

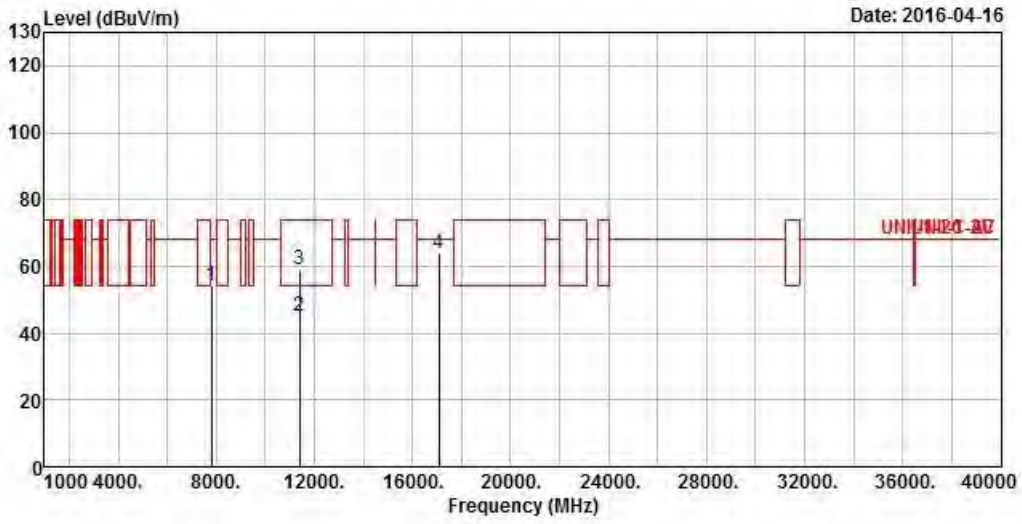
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20 (TxBF)	**Test Freq. (MHz)**	5700
N_{TX}	4	**Polarization**	V



	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	8625.000	57.00	-11.20	68.20	44.48	37.73	7.77	32.98	Peak
2	11400.000	45.04	-8.96	54.00	29.64	39.06	8.81	32.47	Average
3	11400.000	60.06	-13.94	74.00	44.66	39.06	8.81	32.47	Peak
4	17100.000	64.24	-3.96	68.20	44.22	40.68	10.83	31.49	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.

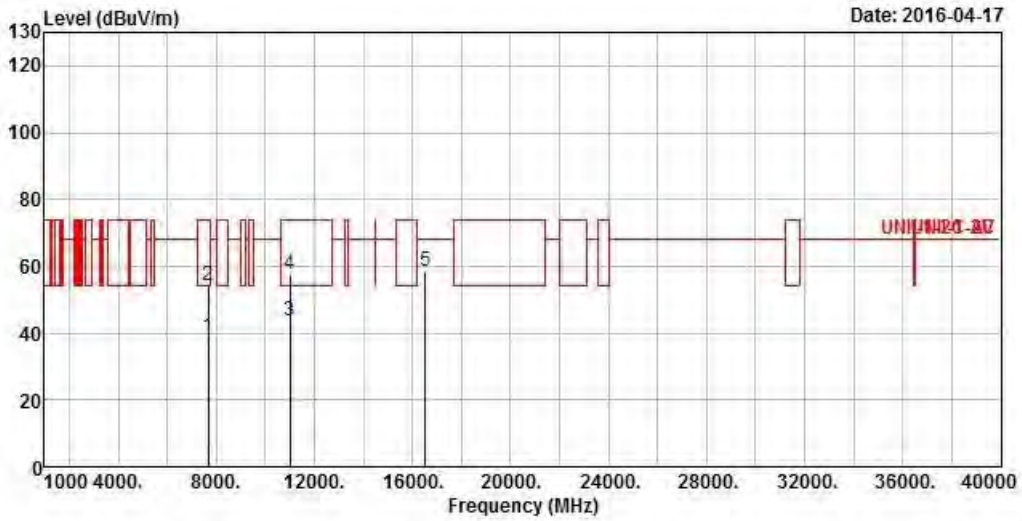
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20 (TxBF)	**Test Freq. (MHz)**	5700
N_{TX}	4	**Polarization**	H



	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	7821.000	54.16	-14.04	68.20	43.04	36.88	7.15	32.91	Peak
2	11400.000	45.00	-9.00	54.00	29.60	39.06	8.81	32.47	Average
3	11400.000	59.08	-14.92	74.00	43.68	39.06	8.81	32.47	Peak
4	17100.000	64.00	-4.20	68.20	43.98	40.68	10.83	31.49	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.

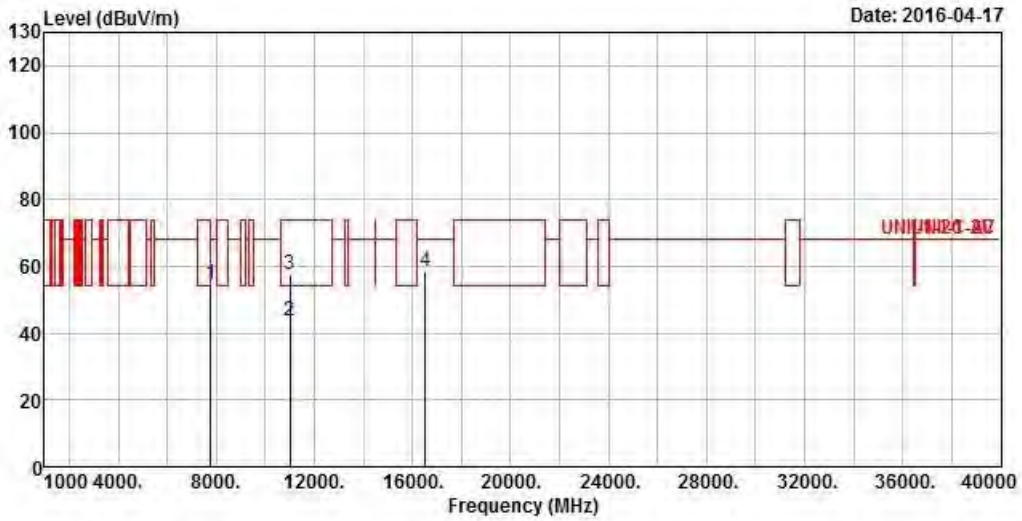
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT40 (TxBF)	**Test Freq. (MHz)**	5510
N_{TX}	4	**Polarization**	V



	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	7684.000	39.00	-15.00	54.00	28.03	36.72	7.14	32.89	Average
2	7684.000	54.33	-19.67	74.00	43.36	36.72	7.14	32.89	Peak
3	11020.000	43.67	-10.33	54.00	28.77	38.52	8.88	32.50	Average
4	11020.000	57.71	-16.29	74.00	42.81	38.52	8.88	32.50	Peak
5	16530.000	58.60	-9.60	68.20	42.20	38.04	10.42	32.06	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.

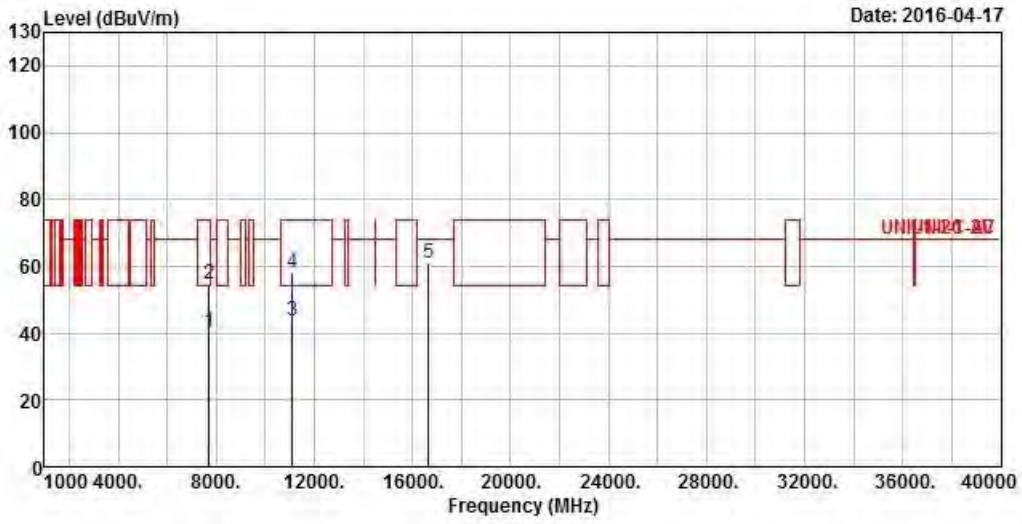
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT40 (TxBF)	**Test Freq. (MHz)**	5510
N_{TX}	4	**Polarization**	H



	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	7773.000	54.83	-13.37	68.20	43.78	36.82	7.13	32.90	Peak
2	11020.000	43.75	-10.25	54.00	28.85	38.52	8.88	32.50	Average
3	11020.000	57.78	-16.22	74.00	42.88	38.52	8.88	32.50	Peak
4	16530.000	58.39	-9.81	68.20	41.99	38.04	10.42	32.06	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.

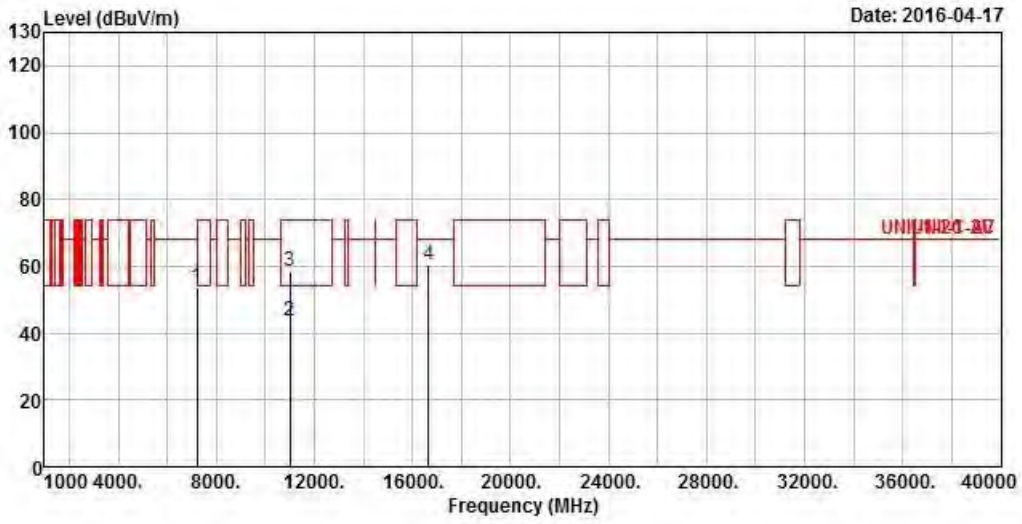
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT40 (TxBF)	**Test Freq. (MHz)**	5550
N_{TX}	4	**Polarization**	V



	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	7712.000	40.26	-13.74	54.00	29.25	36.76	7.14	32.89	Average
2	7712.000	54.72	-19.28	74.00	43.71	36.76	7.14	32.89	Peak
3	11100.000	43.70	-10.30	54.00	28.69	38.64	8.86	32.49	Average
4	11100.000	57.94	-16.06	74.00	42.93	38.64	8.86	32.49	Peak
5	16650.000	61.04	-7.16	68.20	43.89	38.52	10.52	31.89	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.

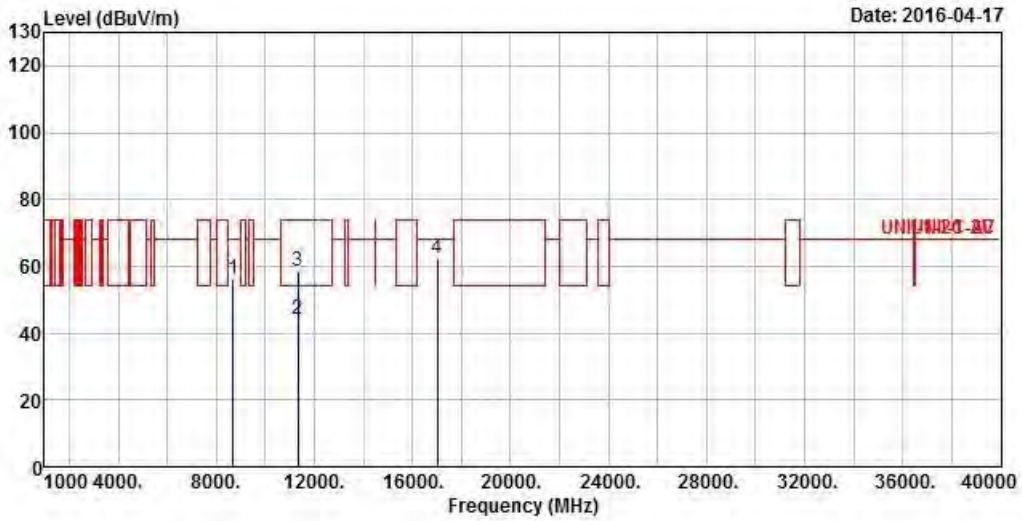
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT40 (TxBF)	**Test Freq. (MHz)**	5550
N_{TX}	4	**Polarization**	H



	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	7230.000	53.67	-14.53	68.20	43.63	35.78	7.04	32.78	Peak
2	11000.000	43.49	-10.51	54.00	28.61	38.50	8.88	32.50	Average
3	11000.000	58.40	-15.60	74.00	43.52	38.50	8.88	32.50	Peak
4	16650.000	60.41	-7.79	68.20	43.26	38.52	10.52	31.89	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.

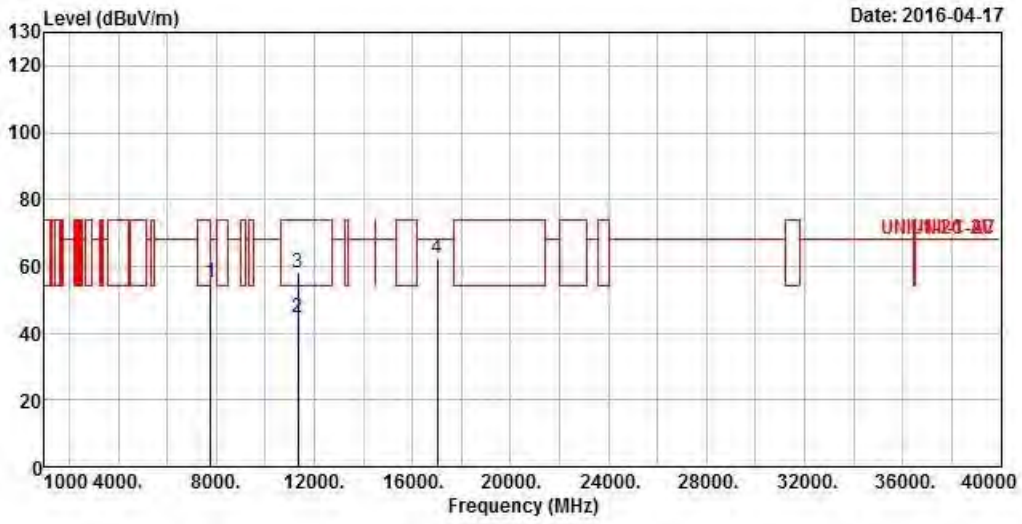
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT40 (TxBF)	**Test Freq. (MHz)**	5670
N_{TX}	4	**Polarization**	V



	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	8696.000	56.22	-11.98	68.20	43.67	37.74	7.82	33.01	Peak
2	11340.000	43.92	-10.08	54.00	28.60	38.97	8.82	32.47	Average
3	11340.000	58.47	-15.53	74.00	43.15	38.97	8.82	32.47	Peak
4	17010.000	62.30	-5.90	68.20	42.95	40.03	10.79	31.47	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: 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.

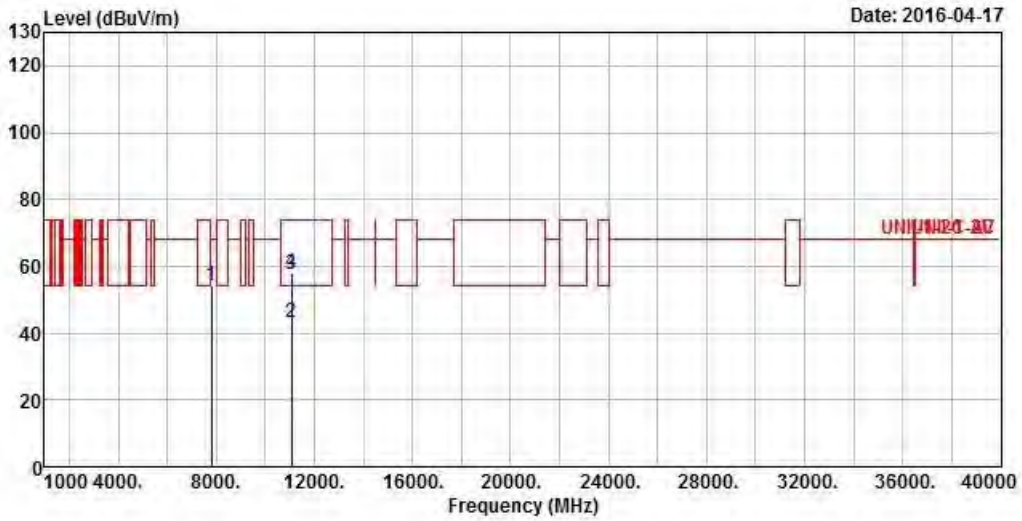
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT40 (TxBF)	**Test Freq. (MHz)**	5670
N_{TX}	4	**Polarization**	H



	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	7762.000	55.13	-13.07	68.20	44.08	36.82	7.13	32.90	Peak
2	11340.000	44.54	-9.46	54.00	29.22	38.97	8.82	32.47	Average
3	11340.000	58.16	-15.84	74.00	42.84	38.97	8.82	32.47	Peak
4	17010.000	62.45	-5.75	68.20	43.10	40.03	10.79	31.47	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: 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.

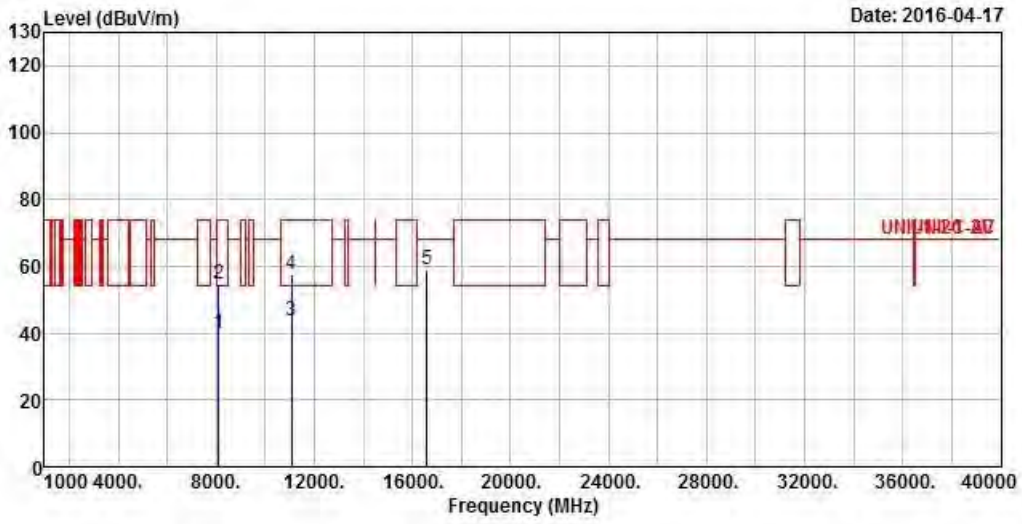
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT80 (TxBF)	**Test Freq. (MHz)**	5530
N_{TX}	4	**Polarization**	V



	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	7796.000	54.36	-13.84	68.20	43.28	36.86	7.13	32.91	Peak
2	11060.000	43.37	-10.63	54.00	28.40	38.59	8.87	32.49	Average
3	11060.000	57.77	-16.23	74.00	42.80	38.59	8.87	32.49	Peak
4	11060.000	57.82	-16.18	74.00	42.85	38.59	8.87	32.49	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 (TxBF)	**Test Freq. (MHz)**	5530
N_{TX}	4	**Polarization**	H

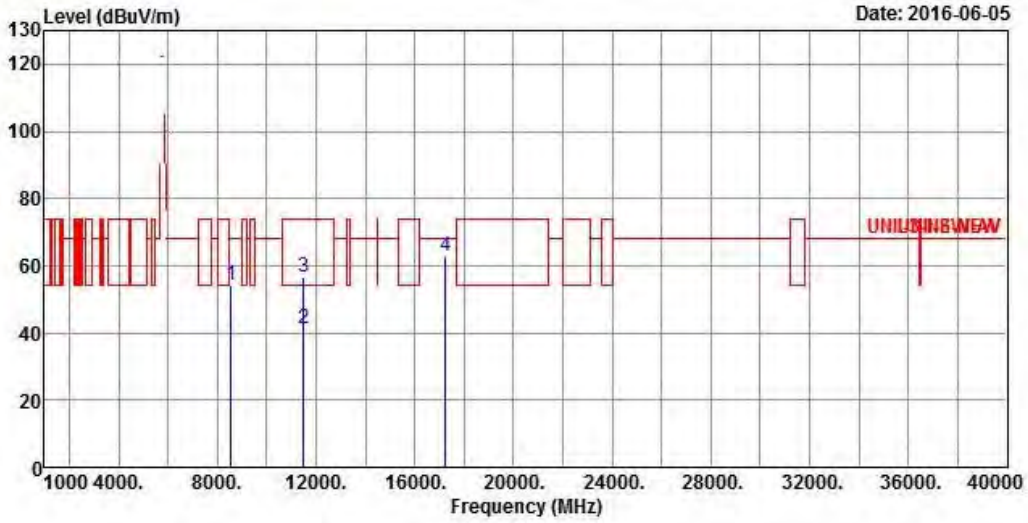


	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	8099.000	39.91	-14.09	54.00	28.17	37.22	7.46	32.94	Average
2	8099.000	54.80	-19.20	74.00	43.06	37.22	7.46	32.94	Peak
3	11060.000	43.43	-10.57	54.00	28.46	38.59	8.87	32.49	Average
4	11060.000	57.46	-16.54	74.00	42.49	38.59	8.87	32.49	Peak
5	16590.000	59.06	-9.14	68.20	42.34	38.24	10.47	31.99	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

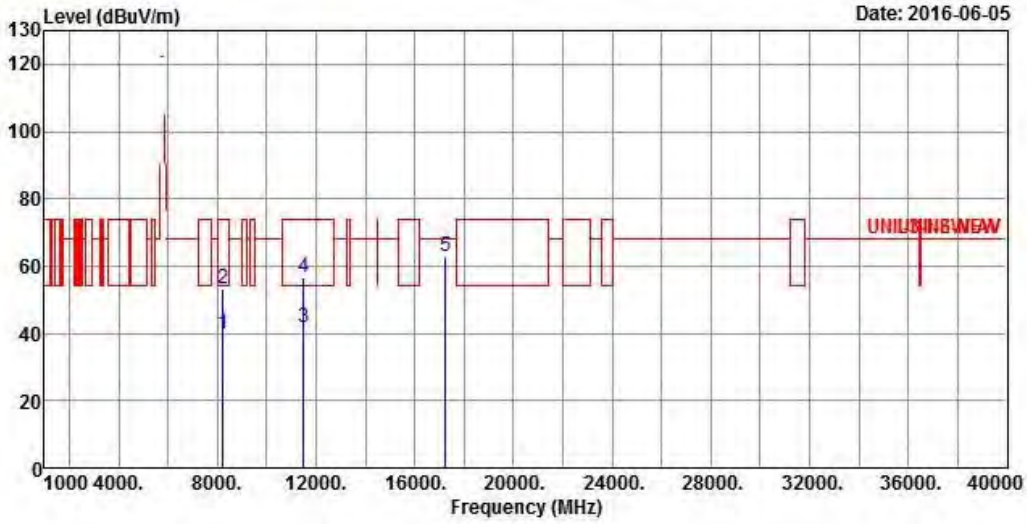
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (MHz)**	5745
N_{TX}	4	**Polarization**	V



	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	8571.900	54.37	-13.83	68.20	43.52	37.71	6.11	32.97	Peak
2	11490.000	41.38	-12.62	54.00	27.88	39.18	6.78	32.46	Average
3	11490.000	56.67	-17.33	74.00	43.17	39.18	6.78	32.46	Peak
4	17235.000	62.72	-5.48	68.20	44.01	41.72	8.53	31.54	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.

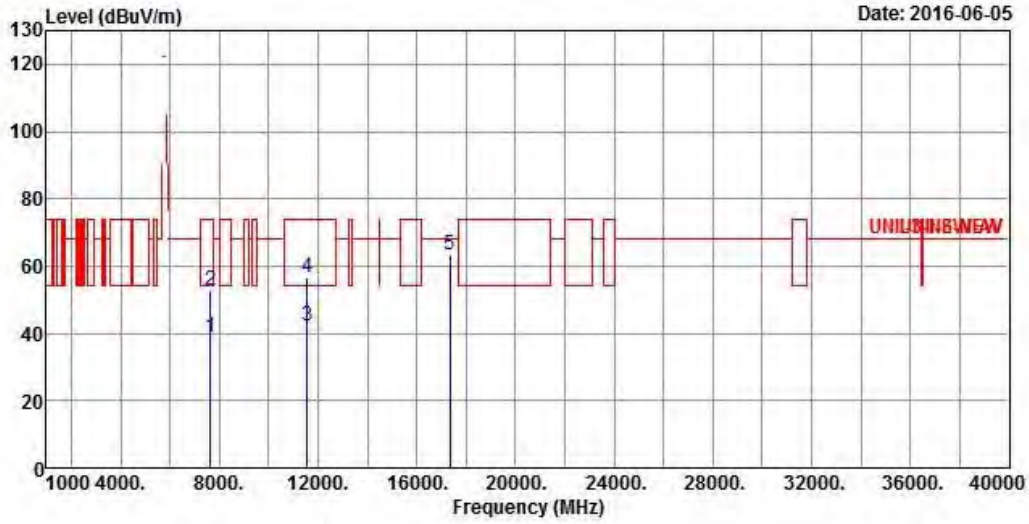
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (MHz)**	5745
N_{TX}	4	**Polarization**	H



	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	8242.000	39.70	-14.30	54.00	29.27	37.39	5.98	32.94	Average
2	8242.000	53.40	-20.60	74.00	42.97	37.39	5.98	32.94	Peak
3	11490.000	41.68	-12.32	54.00	28.18	39.18	6.78	32.46	Average
4	11490.000	56.66	-17.34	74.00	43.16	39.18	6.78	32.46	Peak
5	17235.000	62.82	-5.38	68.20	44.11	41.72	8.53	31.54	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.

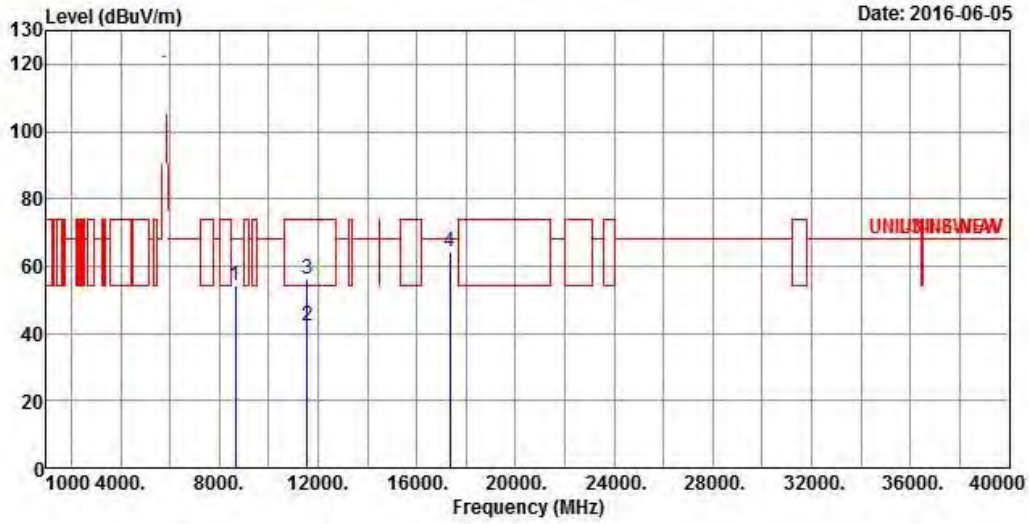
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (MHz)**	5785
N_{TX}	4	**Polarization**	V



	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	7641.000	39.04	-14.96	54.00	29.51	36.68	5.73	32.88	Average
2	7641.000	52.78	-21.22	74.00	43.25	36.68	5.73	32.88	Peak
3	11570.000	42.39	-11.61	54.00	28.79	39.23	6.84	32.47	Average
4	11570.000	56.52	-17.48	74.00	42.92	39.23	6.84	32.47	Peak
5	17355.000	63.36	-4.84	68.20	43.84	42.63	8.46	31.57	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.

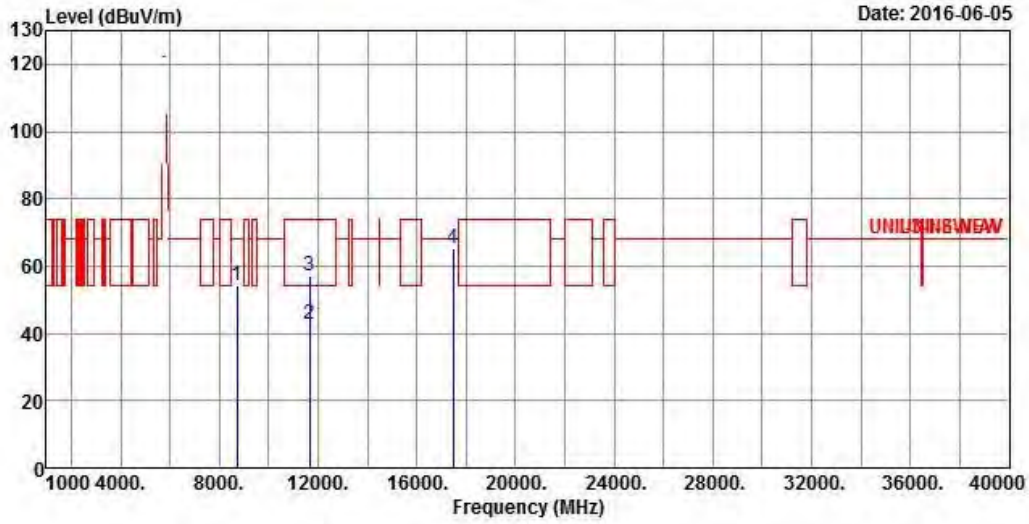
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (MHz)**	5785
N_{TX}	4	**Polarization**	H



	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	8645.100	54.08	-14.12	68.20	43.24	37.73	6.10	32.99	Peak
2	11570.000	42.38	-11.62	54.00	28.78	39.23	6.84	32.47	Average
3	11570.000	56.33	-17.67	74.00	42.73	39.23	6.84	32.47	Peak
4	17355.000	64.31	-3.89	68.20	44.79	42.63	8.46	31.57	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.

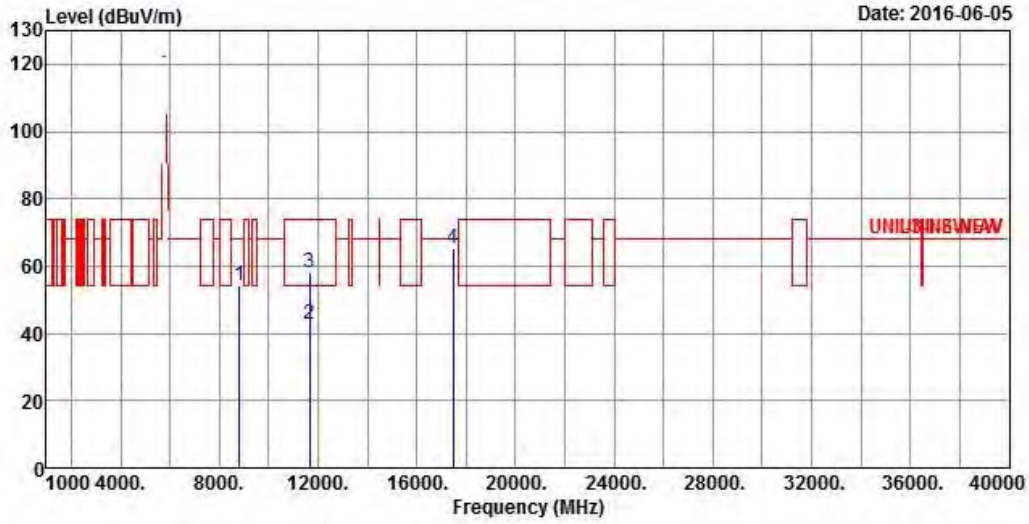
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (MHz)**	5825
N_{TX}	4	**Polarization**	V



	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	8712.000	54.41	-13.79	68.20	43.58	37.74	6.10	33.01	Peak
2	11650.000	42.65	-11.35	54.00	28.97	39.26	6.90	32.48	Average
3	11650.000	57.24	-16.76	74.00	43.56	39.26	6.90	32.48	Peak
4	17475.000	65.05	-3.15	68.20	44.72	43.54	8.40	31.61	Average

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.

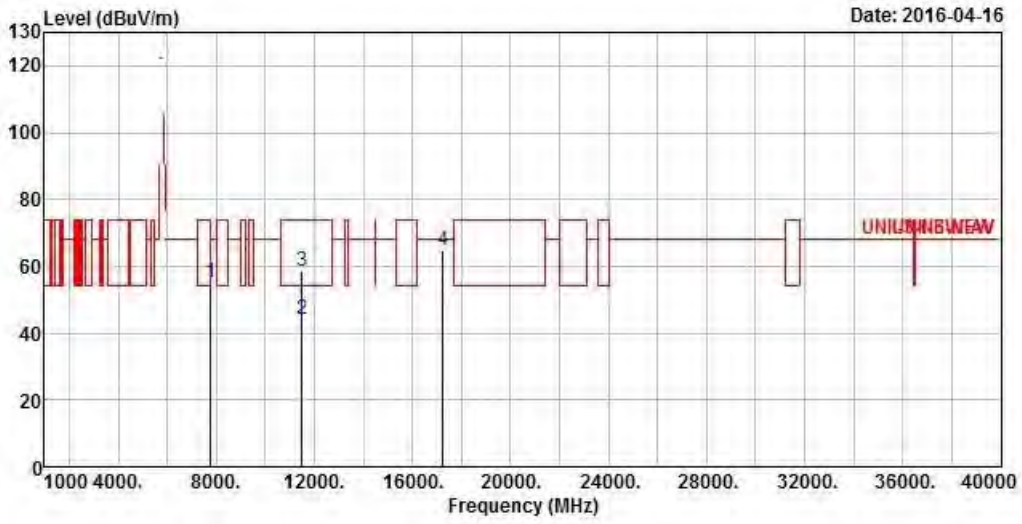
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	11a	**Test Freq. (MHz)**	5825
N_{TX}	4	**Polarization**	H



	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	8827.000	54.41	-13.79	68.20	43.61	37.76	6.09	33.05	Peak
2	11650.000	42.64	-11.36	54.00	28.96	39.26	6.90	32.48	Average
3	11650.000	58.13	-15.87	74.00	44.45	39.26	6.90	32.48	Peak
4	17475.000	65.17	-3.03	68.20	44.84	43.54	8.40	31.61	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.

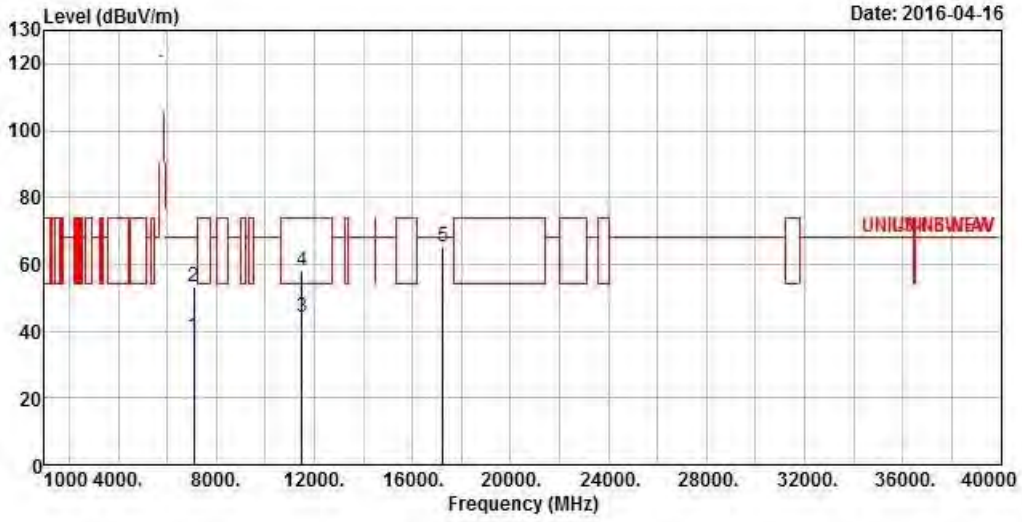
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20 (TxBF)	**Test Freq. (MHz)**	5745
N_{TX}	4	**Polarization**	V



	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	7786.000	55.09	-13.11	68.20	44.02	36.84	7.13	32.90	Peak
2	11490.000	44.23	-9.77	54.00	28.72	39.18	8.79	32.46	Average
3	11490.000	58.70	-15.30	74.00	43.19	39.18	8.79	32.46	Peak
4	17235.000	64.57	-3.63	68.20	43.50	41.72	10.89	31.54	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.

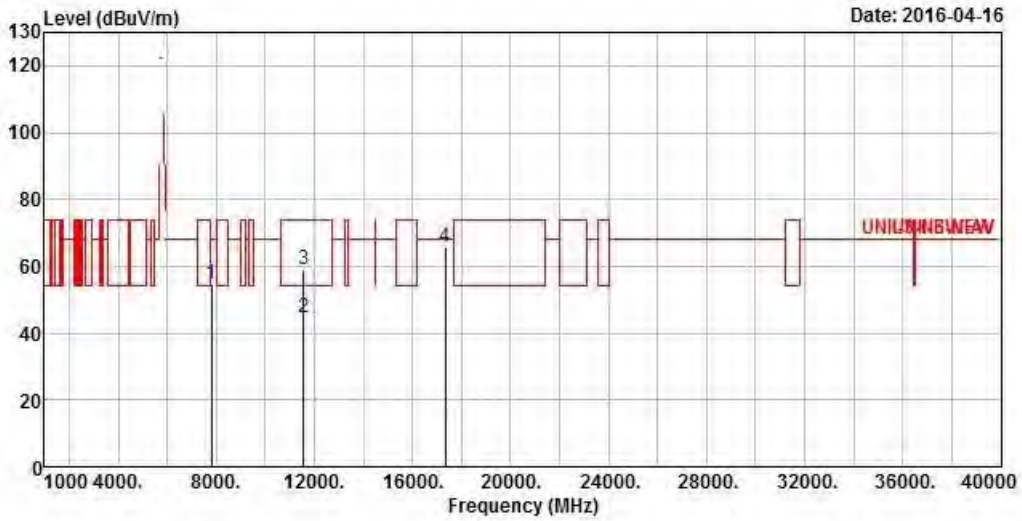
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20 (TxBF)	**Test Freq. (MHz)**	5745
N_{TX}	4	**Polarization**	H



	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	7097.000	38.48	-29.72	68.20	28.65	35.47	7.10	32.74	Average
2	7097.000	53.44	-14.76	68.20	43.61	35.47	7.10	32.74	Peak
3	11490.000	44.22	-9.78	54.00	28.71	39.18	8.79	32.46	Average
4	11490.000	57.97	-16.03	74.00	42.46	39.18	8.79	32.46	Peak
5	17235.000	65.06	-3.14	68.20	43.99	41.72	10.89	31.54	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.

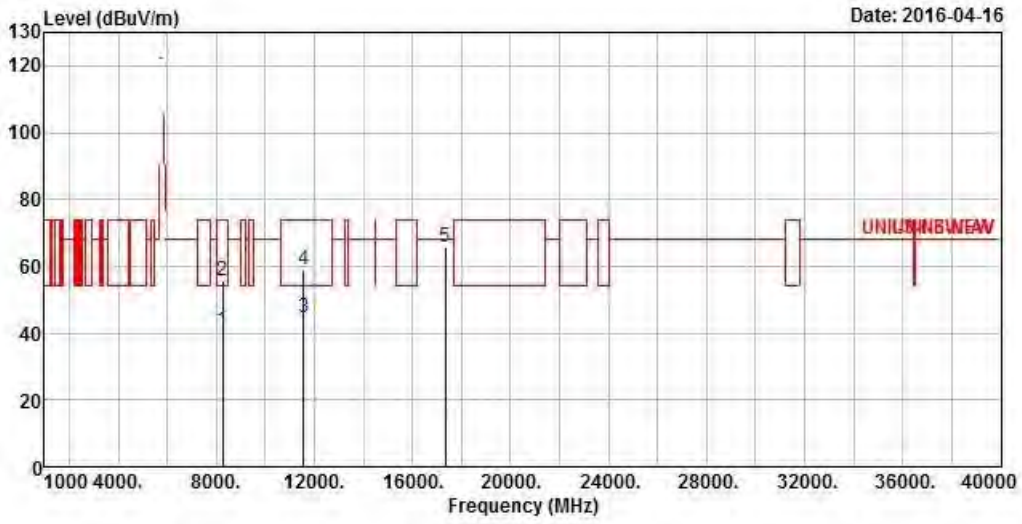
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20 (TxBF)	**Test Freq. (MHz)**	5785
N_{TX}	4	**Polarization**	V



	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	7792.000	54.82	-13.38	68.20	43.73	36.86	7.13	32.90	Peak
2	11570.000	44.64	-9.36	54.00	28.99	39.23	8.89	32.47	Average
3	11570.000	59.15	-14.85	74.00	43.50	39.23	8.89	32.47	Peak
4	17355.000	65.61	-2.59	68.20	43.61	42.63	10.94	31.57	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.

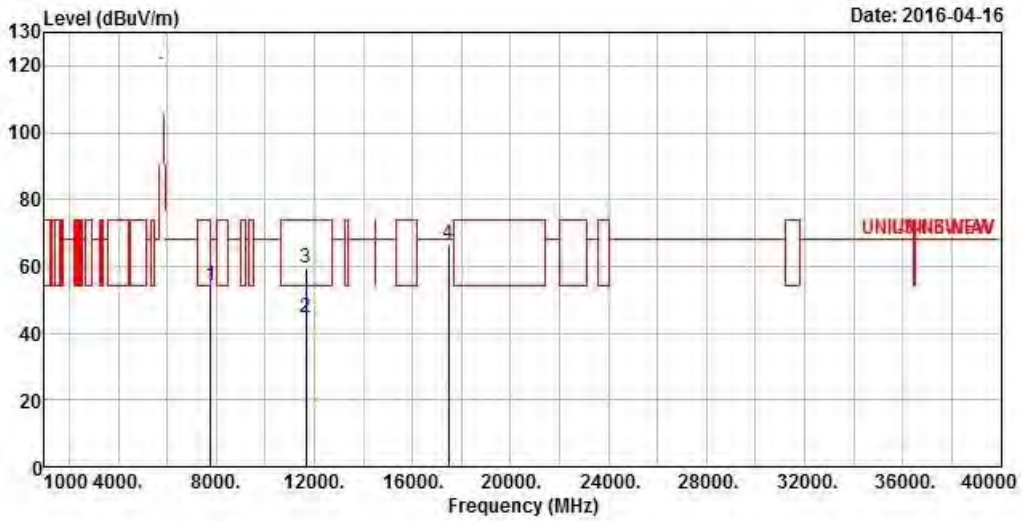
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20 (TxBF)	**Test Freq. (MHz)**	5785
N_{TX}	4	**Polarization**	H



	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	8279.000	40.59	-13.41	54.00	28.45	37.43	7.65	32.94	Average
2	8279.000	55.55	-18.45	74.00	43.41	37.43	7.65	32.94	Peak
3	11570.000	44.58	-9.42	54.00	28.93	39.23	8.89	32.47	Average
4	11570.000	58.80	-15.20	74.00	43.15	39.23	8.89	32.47	Peak
5	17355.000	65.78	-2.42	68.20	43.78	42.63	10.94	31.57	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.

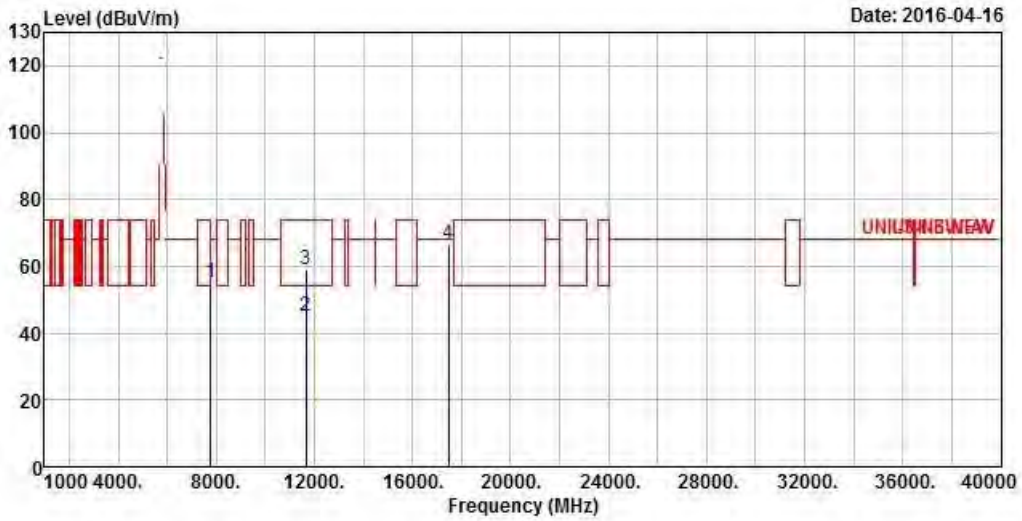
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20 (TxBF)	**Test Freq. (MHz)**	5825
N_{TX}	4	**Polarization**	V



	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	7780.000	54.31	-13.89	68.20	43.24	36.84	7.13	32.90	Peak
2	11650.000	44.82	-9.18	54.00	29.03	39.26	9.01	32.48	Average
3	11650.000	59.25	-14.75	74.00	43.46	39.26	9.01	32.48	Peak
4	17475.000	66.52	-1.68	68.20	43.60	43.54	10.99	31.61	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.

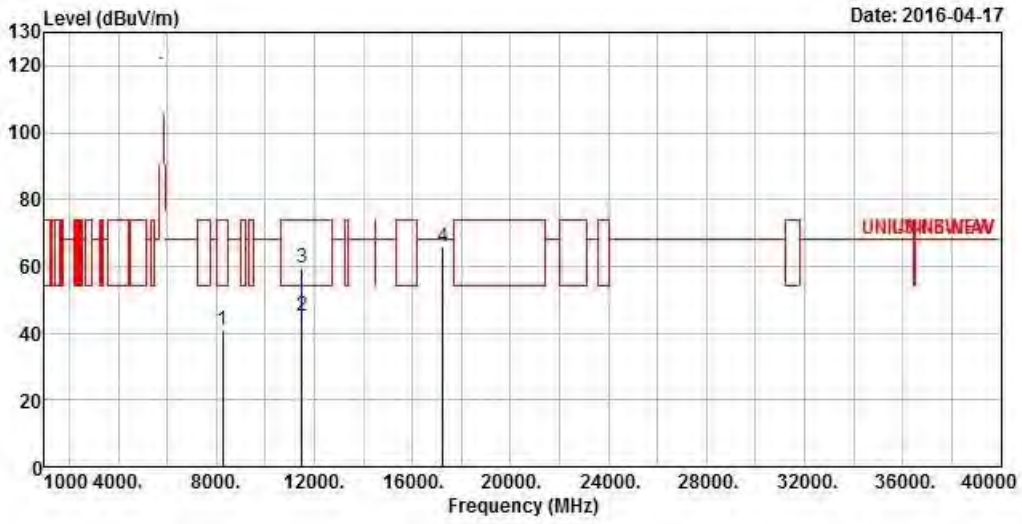
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT20 (TxBF)	**Test Freq. (MHz)**	5825
N_{TX}	4	**Polarization**	H



	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	7769.000	55.00	-13.20	68.20	43.95	36.82	7.13	32.90	Peak
2	11650.000	44.90	-9.10	54.00	29.11	39.26	9.01	32.48	Average
3	11650.000	59.06	-14.94	74.00	43.27	39.26	9.01	32.48	Peak
4	17475.000	66.89	-1.31	68.20	43.97	43.54	10.99	31.61	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.

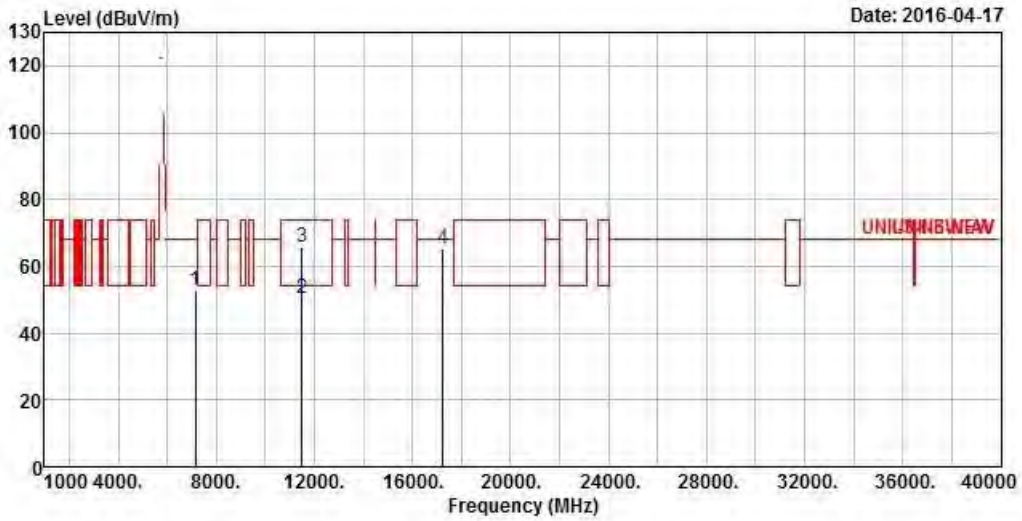
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT40 (TxBF)	**Test Freq. (MHz)**	5755
N_{TX}	4	**Polarization**	V



	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	8267.000	40.98	-13.02	54.00	28.87	37.41	7.64	32.94	Average
2	11510.000	45.11	-8.89	54.00	29.57	39.20	8.80	32.46	Average
3	11510.000	59.37	-14.63	74.00	43.83	39.20	8.80	32.46	Peak
4	17265.000	65.72	-2.48	68.20	44.39	41.98	10.90	31.55	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.

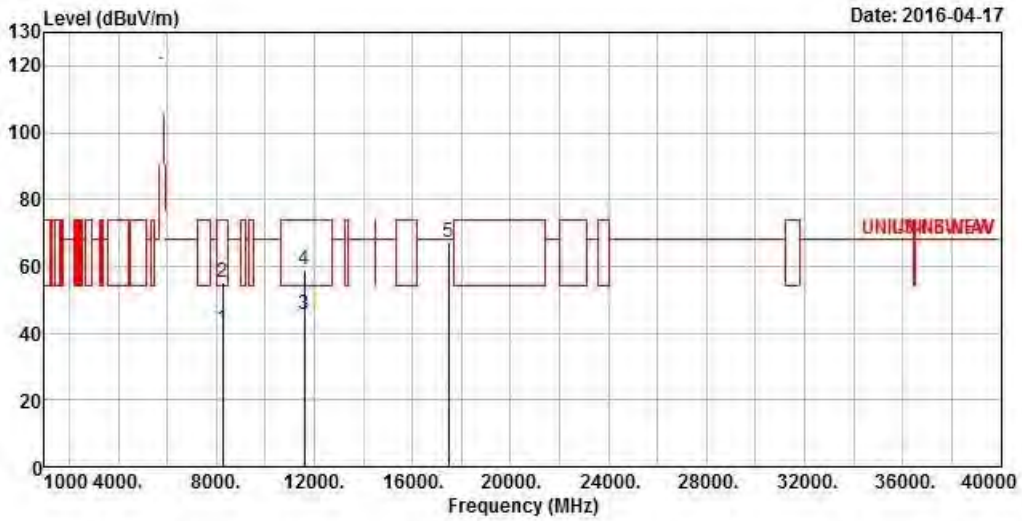
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT40 (TxBF)	**Test Freq. (MHz)**	5755
N_{TX}	4	**Polarization**	H



	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	7142.000	52.94	-15.26	68.20	43.07	35.56	7.07	32.76	Peak
2	11510.000	50.42	-3.58	54.00	34.88	39.20	8.80	32.46	Average
3	11510.000	65.79	-8.21	74.00	50.25	39.20	8.80	32.46	Peak
4	17265.000	65.31	-2.89	68.20	43.98	41.98	10.90	31.55	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.

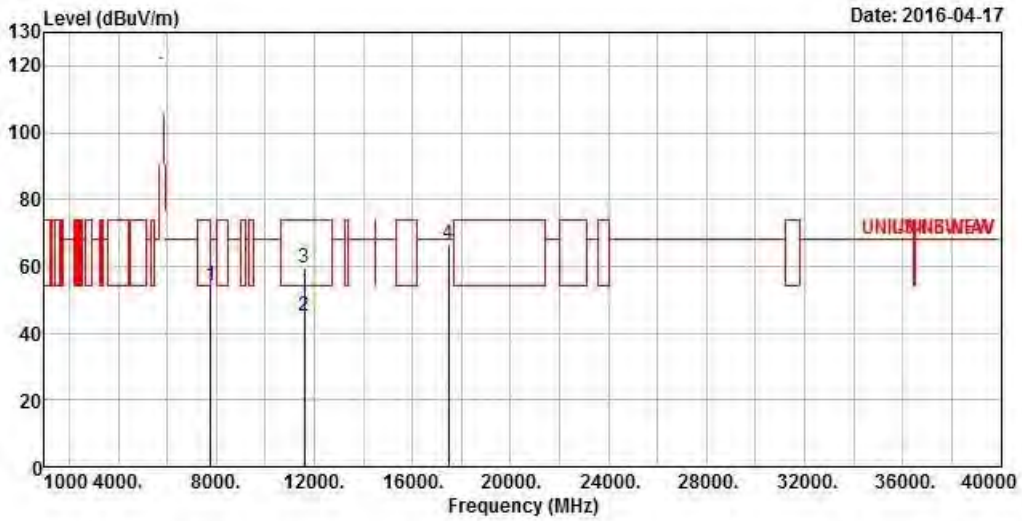
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT40 (TxBF)	**Test Freq. (MHz)**	5795
N_{TX}	4	**Polarization**	V



	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	8251.000	41.02	-12.98	54.00	28.92	37.41	7.63	32.94	Average
2	8251.000	55.06	-18.94	74.00	42.96	37.41	7.63	32.94	Peak
3	11590.000	45.47	-8.53	54.00	29.79	39.23	8.92	32.47	Average
4	11590.000	58.97	-15.03	74.00	43.29	39.23	8.92	32.47	Peak
5	17475.000	67.02	-1.18	68.20	44.10	43.54	10.99	31.61	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.

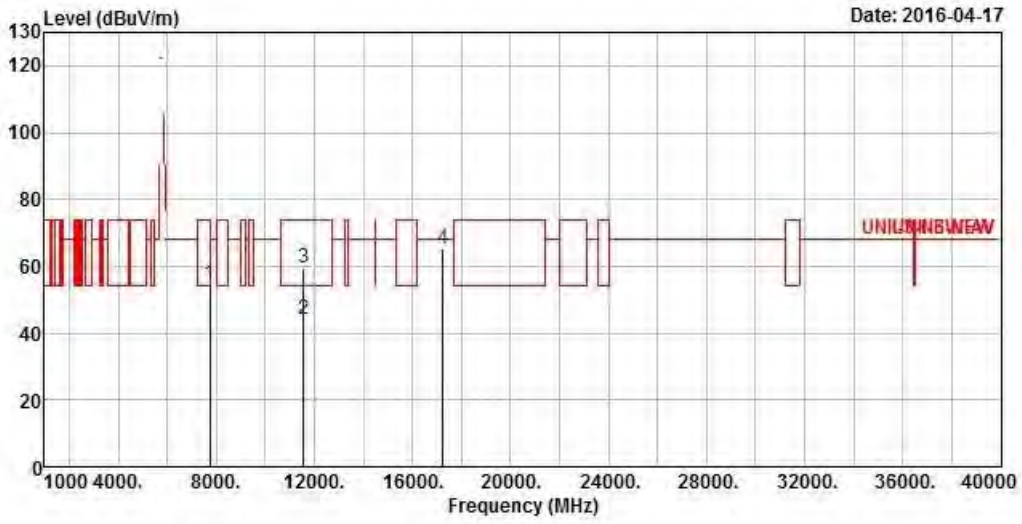
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT40 (TxBF)	**Test Freq. (MHz)**	5795
N_{TX}	4	**Polarization**	H



	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	7772.000	54.24	-13.96	68.20	43.19	36.82	7.13	32.90	Peak
2	11590.000	45.20	-8.80	54.00	29.52	39.23	8.92	32.47	Average
3	11590.000	59.70	-14.30	74.00	44.02	39.23	8.92	32.47	Peak
4	17475.000	66.62	-1.58	68.20	43.70	43.54	10.99	31.61	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.

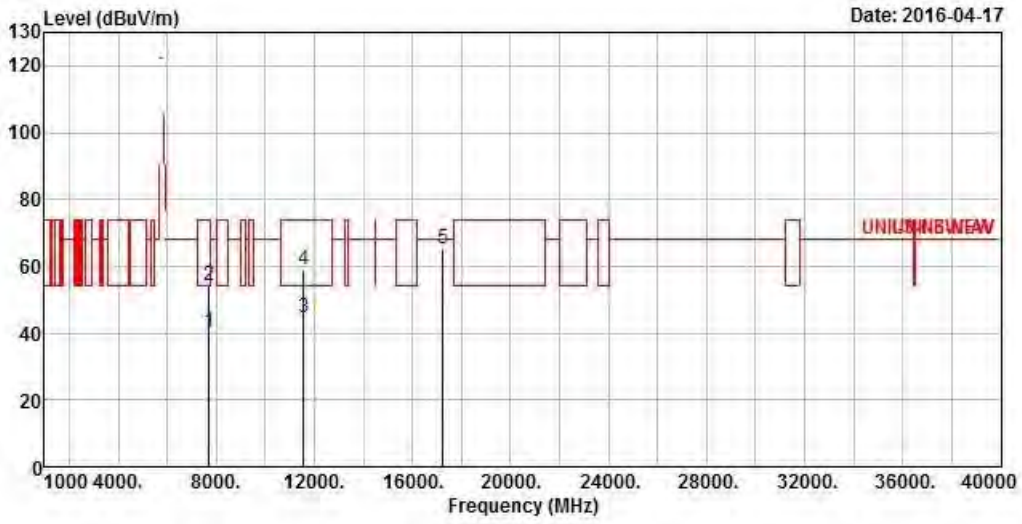
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT80 (TxBF)	**Test Freq. (MHz)**	5775
N_{TX}	4	**Polarization**	V



	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	7756.000	54.90	-13.30	68.20	43.87	36.80	7.13	32.90	Peak
2	11550.000	44.32	-9.68	54.00	28.71	39.22	8.86	32.47	Average
3	11550.000	59.38	-14.62	74.00	43.77	39.22	8.86	32.47	Peak
4	17235.000	65.05	-3.15	68.20	43.98	41.72	10.89	31.54	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 (TxBF)	**Test Freq. (MHz)**	5775
N_{TX}	4	**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	7712.000	40.18	-13.82	54.00	29.17	36.76	7.14	32.89	Average
2	7712.000	53.97	-20.03	74.00	42.96	36.76	7.14	32.89	Peak
3	11550.000	44.74	-9.26	54.00	29.13	39.22	8.86	32.47	Average
4	11550.000	58.98	-15.02	74.00	43.37	39.22	8.86	32.47	Peak
5	17235.000	65.27	-2.93	68.20	44.20	41.72	10.89	31.54	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.

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. 802.11n-2009
☒ The transmitter center frequency tolerance shall be ± 20 ppm maximum for the 5 GHz band.

3.7.2 Measuring Instruments

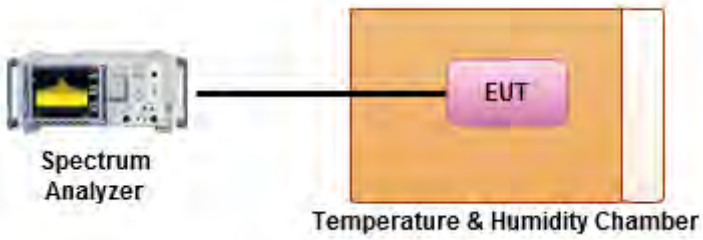
Refer a test equipment and calibration data table in this test report.

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
☒	For conducted measurement.
	☒ For conducted measurements on devices with multiple transmit chains: Measurements need only to be performed on one of the active transmit chains (antenna outputs)
☐	For radiated measurement. The equipment to be measured and the test antenna shall be oriented to obtain the maximum emitted power level.

3.7.4 Test Setup

Frequency Stability



3.7.5 Test Result of Frequency Stability

Frequency Stability Result									
Mode		Frequency Stability (ppm)							
Condition	Freq. (MHz)	Test Frequency (MHz)				Frequency Stability (ppm)			
		0 min	2 min	5 min	10 min	0 min	2 min	5 min	10 min
T20°CVmax	5200	5199.97873	5199.97423	5199.97612	5199.97569	-4.0904	-4.9558	-4.5923	-4.6750
T20°CVmin	5200	5199.98220	5199.98046	5199.97873	5199.97420	-3.4231	-3.7577	-4.0904	-4.9615
T50°CVnom	5200	5199.95007	5199.94920	5199.94834	5199.94747	-9.6019	-9.7692	-9.9346	-10.1019
T40°CVnom	5200	5199.96787	5199.96266	5199.96049	5199.95832	-6.1788	-7.1808	-7.5981	-8.0154
T30°CVnom	5200	5199.98046	5199.97873	5199.97420	5199.97612	-3.7577	-4.0904	-4.9615	-4.5923
T20°CVnom	5200	5200.00391	5200.00130	5199.99870	5199.99696	0.7519	0.2500	-0.2500	-0.5846
T10°CVnom	5200	5200.00434	5200.00781	5200.00999	5200.01172	0.8346	1.5019	1.9212	2.2538
Limit (ppm)		-				± 20			
Result		Complied							

Note 1: Measure at 85 % [Vmin] and 115 % [Vmax] of the nominal voltage [Vnom].
Note 2: The nominal voltage refer test report clause 1.1.5 for EUT operational condition.

4 Test Equipment and Calibration Data

< AC Conduction >

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Last Cal.	Calibration Due Date
EMC Receiver	KEYSIGHT	N9038A	MY54130031	20 Hz ~ 8.4 GHz	Apr. 14, 2016	Apr. 13, 2017
LISN	SCHWARZBECK MESS-ELEKTRONIK	NSLK 8127	8127-477	9 kHz ~ 30 MHz	Jan. 26, 2016	Jan. 25, 2017
RF Cable-CON	HUBER+SUHNER	RG213/U	07611832020001	9 kHz ~ 30 MHz	Oct. 30, 2015	Oct. 29, 2016
EMI Filter	LINDGREN	LRE-2030	2651	< 450 Hz	NCR	NCR

NCR: Non-Calibration required.

< RF Conducted >

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Last Cal.	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101013	9KHz~40GHz	Feb 16, 2016	Feb 15, 2017
AC Power Source	G.W	APS-9102	EL920581	AC 0V ~ 300V	Jun. 4, 2016	Jun. 3, 2017
Temp. and Humidity Chamber	Giant Force	GTH-225-20-SP-SD	MAA1112-007	-20 ~ 100℃	Apr. 25, 2016	Apr. 24, 2017
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	Jul. 28, 2015	Jul. 27, 2016
Power Sensor	Anritsu	MA2411B	0917017	300MHz ~ 40GHz	Feb. 04 ,2016	Feb. 03 ,2017
Power Meter	Anritsu	ML2495A	0949003	300MHz ~ 40GHz	Feb. 04, 2016	Feb. 03, 2017

< Radiated Emission >

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Last Cal.	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30 MHz ~ 1 GHz 3m	Nov. 28, 2015	Nov. 27, 2016
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1 GHz ~ 18 GHz 3m	Dec. 16, 2015	Dec. 15, 2016
Amplifier	HP	8447D	2944A08033	10 kHz ~ 1.3 GHz	May 10, 2016	May 09, 2017
Amplifier	Agilent	8449B	3008A02120	1 GHz ~ 26.5 GHz	Sep. 02, 2015	Sep. 01, 2016
Spectrum	R&S	FSV40	101513	9 kHz ~ 40 GHz	Feb. 16, 2016	Feb. 15, 2017
Bilog Antenna	SCHAFFNER	CBL 6112D	22237	30 MHz ~ 1 GHz	Sep. 18, 2015	Sep. 17, 2016
Horn Antenna	SCHWARZBECK	BBHA9120D	1531	1 GHz ~ 18 GHz	Apr. 22, 2016	Apr. 21, 2017
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170154	18 GHz ~ 40 GHz	Jan. 29, 2016	Jan. 28, 2017
Horn Antenna	ETS・LINDGREN	3115	6741	1GHz ~ 18GHz	Jul. 15, 2015	Jul. 14, 2016

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Last Cal.	Calibration Due Date
Amplifier	MITEQ	JS44-18004000-33-8P	1840917	18 GHz ~ 40 GHz	Jun. 02, 2015	Jun. 01, 2017
Loop Antenna	TESEQ	HLA 6120	31244	9 kHz~30 MHz	Feb. 02.2015	Feb.01.2017