

Report No.: FR582836AN

FCC Test Report

: WatchGuard® AP **Equipment**

Brand Name : WatchGuard®

: AP300 Model No.

FCC ID : Q6G-AP300

Standard : 47 CFR FCC Part 15.407

: 5150 MHz - 5250 MHz Operating Band

5725 MHz - 5850 MHz

FCC Classification:

Applicant : WatchGuard® Technologies, Inc.

505 Fifth Avenue South, Suite 500 Seattle Washington

98104 United States

Manufacturer : Senao Networks, Inc.

No. 500 & 528, Fusing 3rd Rd., Hwa-Ya Technical Park,

Kuei-Shan Dist., Taoyuan City, Taiwan, R.O.C.

☐ Outdoor AP; ☐ Indoor AP; **Function**

Fixed P2P AP Portable Client

The product sample received on Jun. 18, 2014 and completely tested on Oct. 12, 2015. 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

Reviewed by:

Kevin Liang / Assistant Manager

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APPENDIX A. TEST PHOTOS

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Summary of Test Result

	Conformance Test Specifications						
Report Clause	· I Description						
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				

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Revision History

Report No.: FR582836AN

Report No.	Version	Description	Issued Date
FR582836AN	Rev. 01	Initial issue of report	Nov. 09, 2015

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1 General Description

1.1 Information

1.1.1 RF General Information

RF General Information (5150-5250MHz band)							
Frequency IEEE Std. Ch. Freq. Channel Transmit RF Outper (MHz) 802.11 (MHz) Number Chains (N _{TX}) Power (dE						Co-location	
5150-5250	а	5180-5240	36-48 [4]	3	24.52	Yes	
5150-5250	n (HT20)	5180-5240	36-48 [4]	3	24.89	Yes	
5150-5250	n (HT40)	5190-5230	38-46 [2]	3	26.09	Yes	
5150-5250	ac (VHT20)	5180-5240	36-48 [4]	3	24.97	Yes	
5150-5250	ac (VHT40)	5190-5230	38-46 [2]	3	26.01	Yes	
5150-5250	ac (VHT80)	5210	48 [1]	3	21.61	Yes	

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Note 1: RF output power specifies that Maximum Conducted Output Power.

Note 2: 802.11a/n uses a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.

Note 3: 802.11ac uses a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.

Note 4: Co-location, Co-location is generally defined as simultaneously transmitting (co-transmitting) antennas within 20 cm of each other. (i.e., EUT has simultaneously co-transmitting that operating 2.4GHz and 5GHz.)

RF General Information (5725-5850MHz band)							
Frequency IEEE Std. Ch. Freq. Channel Transmit RF Output Range (MHz) 802.11 (MHz) Number Chains (N _{TX}) Power (dB						Co-location	
5725-5850	а	5745-5825	149-165 [5]	3	25.98	Yes	
5725-5850	n (HT20)	5745-5825	149-165 [5]	3	26.00	Yes	
5725-5850	n (HT40)	5755-5795	151-159 [2]	3	26.17	Yes	
5725-5850	ac (VHT20)	5745-5825	149-165 [5]	3	26.05	Yes	
5725-5850	ac (VHT40)	5755-5795	151-159 [2]	3	26.09	Yes	
5725-5850	ac (VHT80)	5775	155 [1]	3	19.18	Yes	

Note 1: RF output power specifies that Maximum Conducted Output Power.

Note 2: 802.11a/n uses a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.

Note 3: 802.11ac uses a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.

Note 4: Co-location, Co-location is generally defined as simultaneously transmitting (co-transmitting) antennas within 20 cm of each other. (i.e., EUT has simultaneously co-transmitting that operating 2.4GHz and 5GHz.)

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1.1.2 Antenna Information

	Antenna Category					
\boxtimes	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.					

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Antenna General Information						
No.	Ant. Cat.	Ant. Type	Gain (dBi)			
1	Integral	PIFA	4.66			
2	Integral	PIFA	5.00			
3	Integral	PIFA	4.87			

Remark: This EUT only suppots 3TX and CDD function in modulation mode: 11 a, 11n and 11ac.

1.1.3 Type of EUT

	Identify EUT					
EU	Γ Serial Number	N/A				
Pre	sentation of Equipment	☐ Production ; ☐ Pre-Production ; ☐ Prototype				
		Type of EUT				
\boxtimes	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:					

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1.1.4 Test Signal Duty Cycle

	Operated Mode for Worst Duty Cycle					
☐ Operated	normally mode for worst duty cycle					
	test mode for worst duty cycle					
Test Signal Duty Cycle (x) Power Duty Factor [dB] – (10 log 1/x)						
	EEE 802.11a	0.06				
	EEE 802.11n (HT20)	0.06				
	EEE 802.11n (HT40)	0.19				
	EEE 802.11ac (VHT20)	0.10				
	EEE 802.11ac (VHT40)	0.13				
94.30% -	EEE 802.11ac (VHT80)	0.25				

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1.1.5 EUT Operational Condition

Supply Voltage		⊠ DC	
Type of DC Source			☐ From Battery
AC Test Voltage	☑ Vnom (12 V)		
DC Test Voltage	☑ Vnom (48V)		
Test Climatic	☐ Tnom (25°C)	☐ Tmax (45°C)	☐ Tmin (0°C)

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1.2 Support Equipment

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

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	Support Equipment - AC Conduction and Radiated Emission (Mode 1)							
No.	Equipment	Brand Name	Model Name	FCC ID				
1	AC Adapter (Client Provide)	Powertron Electronics Corp.	PA1015-120IB125	DoC				

Support Equipment - AC Conduction and Radiated Emission (Mode 2)					
No.	Equipment	Brand Name	Model Name	FCC ID	
1	Notebook	DELL	E5530	R33002	
2	Adapter for Notebook	DELL	LA65NS2-01	DoC	
2	PoE	Acelink	PI-1000PT	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 v01
- FCC KDB 644545 D03 v01
- ◆ FCC-14-30A1-UNII
- FCC KDB 662911 D01 v02r01

1.4 Testing Location Information

	Testing Location							
\boxtimes	HWA YA	ADD :	No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan District, Tao Yuan City, Taiwan, R.O.C.					
		TEL: 886-3-327-3456 FAX: 886-3-327-0973						
	Test Site Registration Number: 636805							
Test Condition			Test Site No.	Test Engineer	Test Environment			
AC Conduction			AC Conduction CO04-HY		22°C / 60%			
RF Conducted			TH01-HY	Howard	23℃ / 63%			
Radiated Emission (Below 1GHz)			1 03CH03-HV		25.6°C / 52%			
Radiated Emissio (Above 1GHz)			03CH03-HY	Joe	24.5°C / 52%			

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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)

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N	leasurement Uncertainty	
Test Item		Uncertainty
AC power-line conducted emissions		±2.3 dB
Emission bandwidth, 26dB bandwidth		±0.5%
RF output power, conducted		±0.1 dB
Power density, conducted		±0.5 dB
Unwanted emissions, conducted	9 – 150 kHz	±0.4 dB
	0.15 – 30 MHz	±0.4 dB
	30 – 1000 MHz	±0.6 dB
	1 – 18 GHz	±0.5 dB
	18 – 40 GHz	±0.5 dB
	40 – 200 GHz	N/A
All emissions, radiated	9 – 150 kHz	±2.5 dB
	0.15 – 30 MHz	±2.3 dB
	30 – 1000 MHz	±2.6 dB
	1 – 18 GHz	±3.6 dB
	18 – 40 GHz	±3.8 dB
	40 – 200 GHz	N/A
Temperature		±0.8 ℃
Humidity		±5 %
DC and low frequency voltages		±0.9%
Time		±1.4 %
Duty Cycle		±0.5 %

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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,6-54Mbps	3	6-54Mbps	6 Mbps		
HT20,M0-23	3	M0-23	MO		
HT40,M0-23	3	M0-23	MO		
VHT20,M0-8	3	M0-8	MO		
VHT40,M0-9	3	M0-9	MO		
VHT80,M0-9	3	M0-9	MO		

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2.2 The Worst Case Power Setting Parameter

The Worst Case Power Setting Parameter (5150-5250MHz band)							
Test Software Version		Atheros Radio Test 2(ART2-GUI)_ 2.3					
		Test Frequency (MHz)					
Modulation Mode	N _{TX}		NCB: 20MHz		NCB: 40MHz		NCB: 80MHz
		5180	5200	5240	5190	5230	5210
11a	3	18	18	18	-	-	-
HT20	3	18.5	18	16.5	-	-	-
HT40	3	-	-	-	16.5	20.5	-
VHT20	3	18.5	18	18	-	-	-
VHT40	3	-	-	-	16.5	20.5	-
VHT80	3	-	-	-	-	-	16.5

The Worst Case Power Setting Parameter (5725-5850MHz band)							
Test Software Version		Atheros Radio Test 2(ART2-GUI)_ 2.3					
		Test Frequency (MHz)					
Modulation Mode	N _{TX}	NCB: 20MHz		NCB: 40MHz		NCB: 80MHz	
		5745	5785	5825	5755	5795	5775
11a	3	19	19.5	20	-	-	-
HT20	3	19	19.5	20	-	-	-
HT40	3	-	-	-	16	20.5	-
VHT20	3	19	19.5	20	-	-	-
VHT40	3	-	-	-	16	20.5	-
VHT80	3	-	-	-	-	-	14.5

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2.3 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					
2 PoE Mode					
Operating mode 1 was the worst case and it is recorded in this test report.					

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The Worst Case Mode for Following Conformance Tests				
Tests Item RF Output Power, Peak Power Spectral Density, Emission Bandwidth, Peak Excursion, Transmitter Conducted Unwanted Emissions Transmitter Conducted Bandedge Emissions				
Test Condition Conducted measurement at transmit chains				
Modulation Mode	11a, HT20, HT40, VHT20, VHT40, VHT80			

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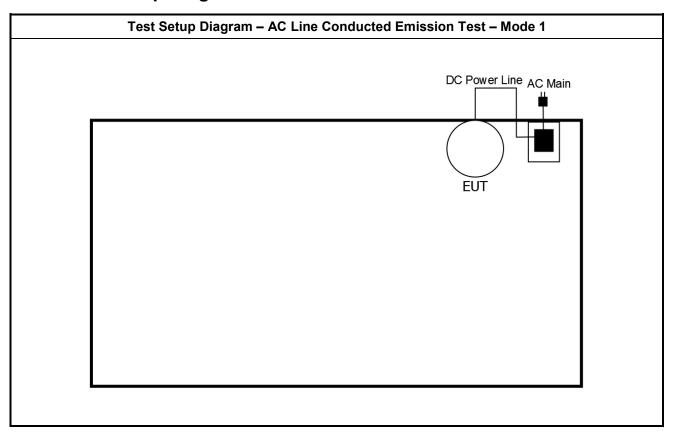
The Worst Case Mode for Following Conformance Tests						
Tests Item		Transmitter Radiated Unwanted Emissions Transmitter Radiated Bandedge Emissions				
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.					
	☐ EUT will be placed in	fixed position.				
User Position		mobile position and operatiree orthogonal planes.	ng multiple positions. EUT			
	EUT will be a hand-held or body-worn battery-powered devices and operating multiple positions. EUT shall be performed two or three orthogonal planes.					
Operating Mode <1GHz	Operating Mode Description	on				
1	Adapter Mode					
2	PoE Mode					
Operating mode 2 was the	worst case and it is recorde	ed in this test report.				
Operating Mode >1GHz	Operating Mode Description	on				
1	Adapter Mode					
Modulation Mode	11a, HT20, HT40, VHT20,	VHT40, VHT80				
	X Plane	Y Plane	Z Plane			
Orthogonal Planes of EUT	f					
Worst Planes of EUT (Below 1GHz)	V					
Worst Planes of EUT (Above 1GHz)	V					

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2.4 Test Setup Diagram

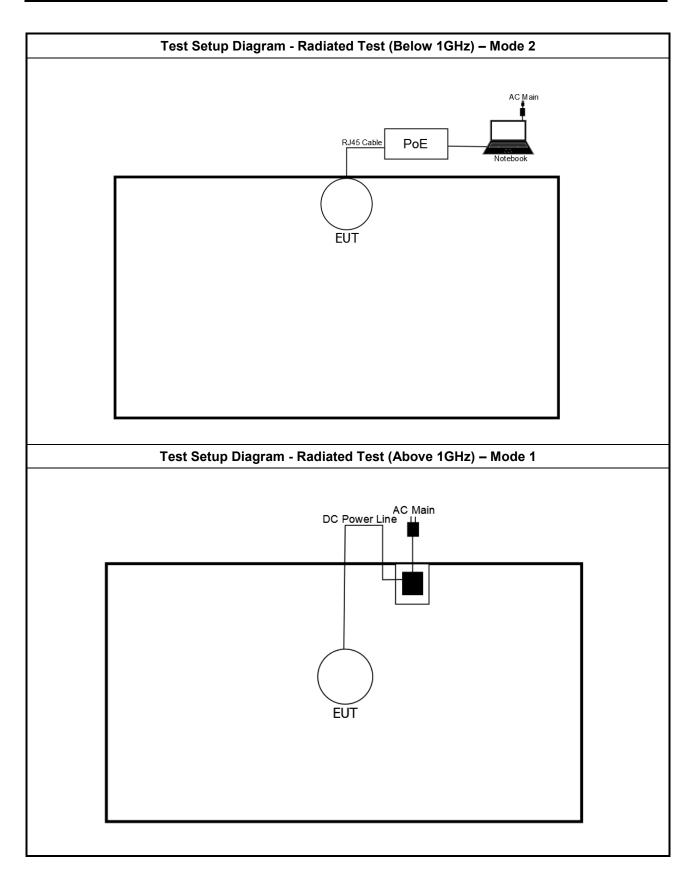


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3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 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

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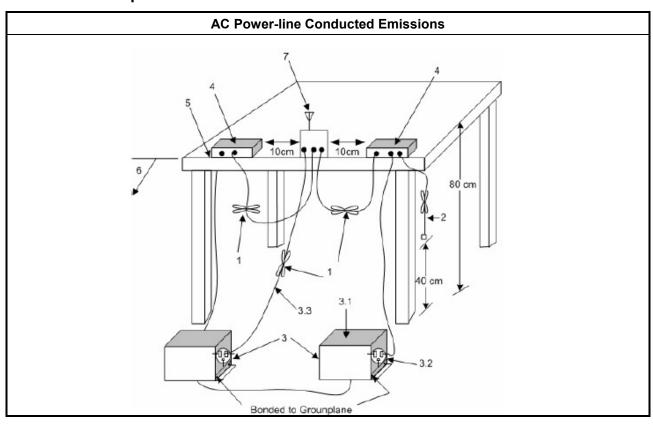
3.1.2 Measuring Instruments

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.	

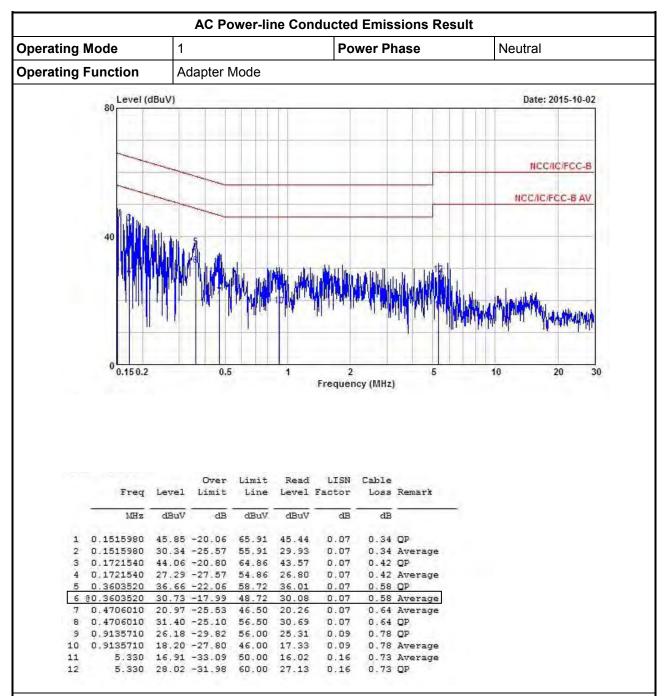
3.1.4 Test Setup



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3.1.5 Test Result of AC Power-line Conducted Emissions



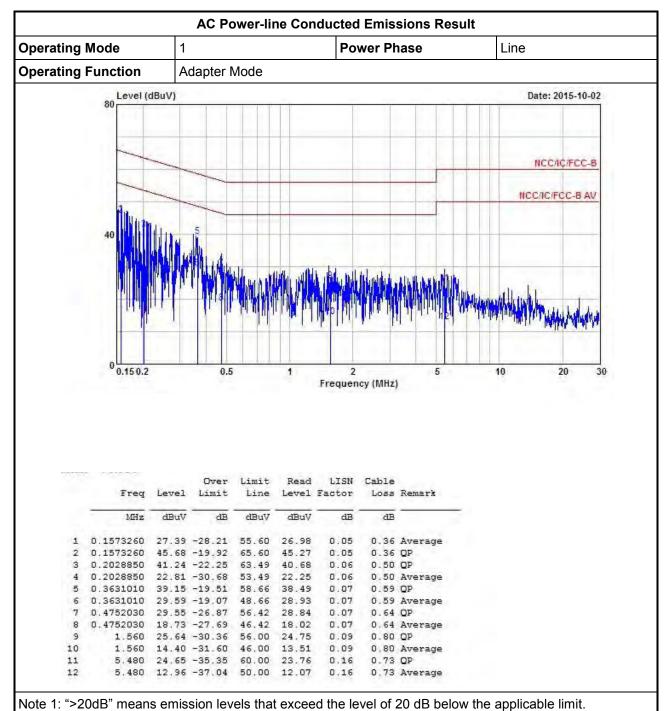
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Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

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Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

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3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

	Emission Bandwidth Limit				
UN	JNII Devices				
\boxtimes	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.				
\boxtimes	For the 5.725-5.85 GHz band, 6 dB emission bandwidth ≥ 500kHz.				

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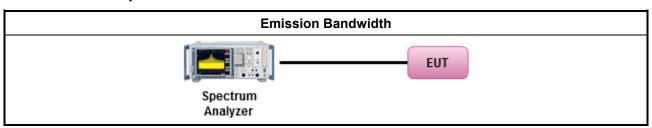
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

			Test Method
\boxtimes	For	the e	mission bandwidth shall be measured using one of the options below:
	\boxtimes	Ref	er as FCC KDB 789033, clause C for EBW and clause D for OBW measurement.
		Ref	er as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.
		Ref	er as IC RSS-Gen, clause 6.6 for bandwidth testing.
\boxtimes	For	cond	ucted 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.
	\boxtimes	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.
		\boxtimes	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



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3.2.5 Test Result of Emission Bandwidth

		UI	III Emission Ba	ndwidth Resul	t (5150-5250MF	lz band)			
Condit	ion		Emission Bandwidth (MHz)						
Modulation Mode	N	Freq.		99% Bandwidtl	1	2	26dB Bandwidt	h	
Modulation Mode	N _{TX}	(MHz)	Chain Port 1	Chain Port 2	Chain Port 3	Chain Port 1	Chain Port 2	Chain Port 3	
11a	3	5180	16.54	16.74	16.54	19.92	21.32	20.27	
11a	3	5200	16.44	16.51	16.49	19.42	20.50	20.12	
11a	3	5240	16.41	16.44	16.41	19.72	21.27	18.60	
HT20	3	5180	17.64	18.09	18.06	21.42	21.90	21.72	
HT20	3	5200	17.74	17.81	17.69	20.42	21.15	21.67	
HT20	3	5240	17.86	17.84	17.76	21.72	20.85	21.62	
HT40	3	5190	36.42	36.42	36.22	40.12	40.00	40.48	
HT40	3	5230	36.46	36.18	36.26	41.08	39.28	39.44	
VHT20	3	5180	17.79	17.94	17.79	20.75	21.10	21.42	
VHT20	3	5200	17.69	17.64	18.09	20.55	21.07	22.67	
VHT20	3	5240	18.19	17.86	17.76	21.70	21.45	20.85	
VHT40	3	5190	36.46	36.54	36.34	42.28	43.68	43.12	
VHT40	3	5230	36.42	36.46	36.42	40.68	40.44	40.40	
VHT80	3	5210	75.64	75.72	75.72	80.16	84.16	80.96	
Resu	ılt				Com	plied			

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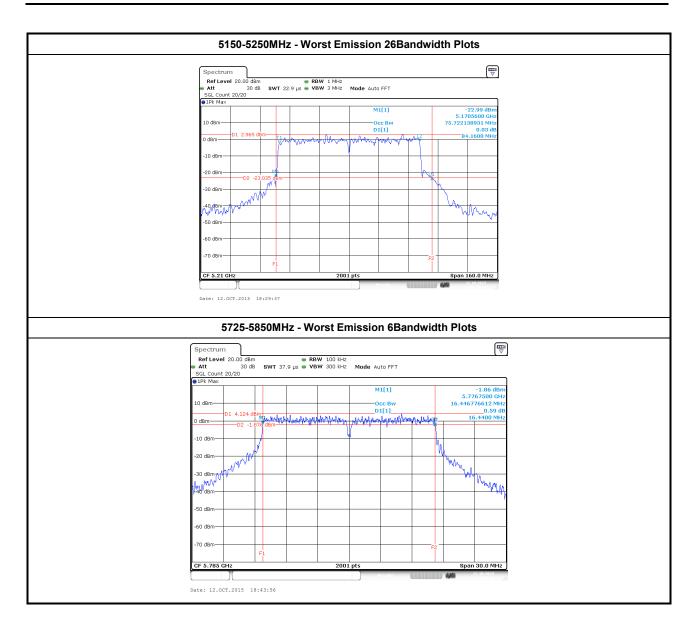


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Condit	ion		Emission Bandwidth (MHz)						
		F	!	99% Bandwidth	l		6dB Bandwidth	1	
Modulation Mode	N _{TX}	Freq. (MHz)	Chain Port 1	Chain Port 2	Chain Port 3	Chain Port 1	Chain Port 2	Chain Port 3	
11a	3	5745	16.49	16.49	16.44	16.56	16.54	16.45	
11a	3	5785	16.44	16.47	16.44	16.48	16.47	16.44	
11a	3	5825	16.44	16.46	16.43	16.54	16.45	16.54	
HT20	3	5745	17.64	17.60	17.61	17.56	17.62	17.53	
HT20	3	5785	17.57	17.70	17.61	17.61	17.71	17.68	
HT20	3	5825	17.61	17.57	17.67	17.70	17.64	17.74	
HT40	3	5755	36.22	36.14	36.26	36.48	35.68	36.48	
HT40	3	5795	36.22	36.22	36.22	36.48	36.36	36.36	
VHT20	3	5745	17.63	17.70	17.61	17.64	17.58	17.62	
VHT20	3	5785	17.63	17.57	17.64	17.65	17.62	17.73	
VHT20	3	5825	17.60	17.63	17.66	17.71	17.74	17.62	
VHT40	3	5755	36.14	36.22	36.22	36.08	36.44	36.36	
VHT40	3	5795	36.06	36.06	36.18	35.88	34.80	35.44	
VHT80	3	5775	75.48	75.40	75.40	75.68	75.68	67.52	
Limi	t		N/A ≥500 kHz						
Resu	llt				Com	plied			

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3.3 RF Output Power

3.3.1 RF Output Power Limit

		Maximum Conducted Output Power Limit
UNI	II Devices	s
\boxtimes	For the 5	5.15-5.25 GHz band:
	> 6	tdoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} is dBi, then P_{Out} = 30 $-$ (G_{TX} $-$ 6). e.i.r.p. at any elevation angle above 30 degrees \leq 125mW dBm]
		oor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > Bi, then P_{Out} = 30 – (G_{TX} – 6)
		nt-to-point AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W G_{TX} > 23 dBi, then P_{Out} = 30 – (G_{TX} – 23).
		bile or Portable Client: the maximum conducted output power (P_{Out}) shall not exceed the lesser 250 mW. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.
	250 mW	5.25-5.35 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of r or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If G_{TX} > 6 dBi, then r 4 – (r 4 – (r 6).
	of 250 m	5.47-5.725 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser nW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If G_{TX} > 6 dBi, then $4 - (G_{TX} - 6)$.
\boxtimes	For the 5	5.725-5.85 GHz band:
		nt-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$.
		nt-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the ser of 1 W.
		num conducted output power in dBm, eximum transmitting antenna directional gain in dBi.

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3.3.2 Measuring Instruments

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

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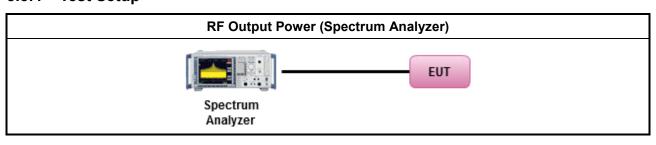


3.3.3 Test Procedures

		Test Method
\boxtimes	Max	imum Conducted Output Power
	[dut	y cycle ≥ 98% or external video / power trigger]
		Refer as FCC KDB 789033, clause E Method SA-1 (spectral trace averaging).
		Refer as FCC KDB 789033, clause E Method SA-1 Alt. (RMS detection with slow sweep speed)
	duty	cycle < 98% and average over on/off periods with duty factor
	\boxtimes	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)
	Wid	eband 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).
\boxtimes	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: $P_{total} = P_1 + P_2 + + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

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3.3.4 Test Setup



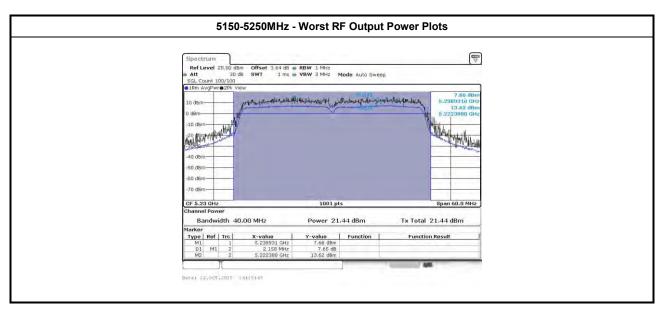
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3.3.5 Test Result of Maximum Conducted Output Power

		Maxim	ıum Condı	ıcted Outp	ut Power (5150-5250	MHz band)			
		F	RF Output Power (dBm)					DG		
Modulation Mode	NTX	Freq. (MHz)	Chain Port 1	Chain Port 2	Chain Port 3	Sum Chain	Power Limit	(dBi)	EIRP Power	
11a	3	5180	18.50	20.20	20.00	24.40	26.38	9.62	34.02	
11a	3	5200	18.86	20.24	20.01	24.52	26.38	9.62	34.13	
11a	3	5240	19.46	19.77	19.44	24.33	26.38	9.62	33.95	
HT20	3	5180	19.21	20.30	20.69	24.89	26.38	9.62	34.50	
HT20	3	5200	19.02	20.04	19.94	24.47	26.38	9.62	34.08	
HT20	3	5240	20.11	20.11	19.86	24.80	26.38	9.62	34.42	
HT40	3	5190	16.34	17.30	17.54	21.86	26.38	9.62	31.48	
HT40	3	5230	21.23	21.12	21.59	26.09	26.38	9.62	35.71	
VHT20	3	5180	19.24	20.46	20.75	24.97	26.38	9.62	34.58	
VHT20	3	5200	19.11	20.09	20.17	24.58	26.38	9.62	34.20	
VHT20	3	5240	19.30	19.61	19.33	24.18	26.38	9.62	33.80	
VHT40	3	5190	16.37	17.38	17.64	21.93	26.38	9.62	31.55	
VHT40	3	5230	20.91	21.22	21.57	26.01	26.38	9.62	35.63	
VHT80	3	5210	16.42	16.81	17.23	21.61	26.38	9.62	31.23	
Resu	ult					Co	mplied			

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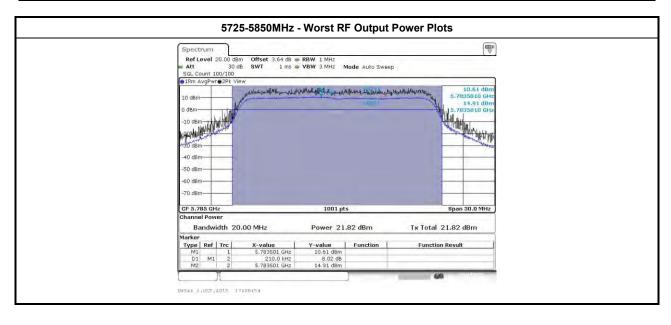


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Maximum Conducted Output Power (5725-5850MHz band) RF Output Power (dBm) Freq. DG **Modulation Mode** N_{TX} **Power Limit** (dBi) (MHz) Chain Chain Sum Port 1 Port 2 Port 3 Chain 11a 1 5745 19.25 19.78 20.41 24.61 26.38 9.62 1 5785 20.91 20.93 21.74 25.98 26.38 9.62 11a 9.62 11a 5825 21.04 21.10 21.40 25.95 26.38 HT20 3 5745 19.98 20.06 20.33 24.90 26.38 9.62 HT20 3 5785 26.38 9.62 20.89 20.81 21.88 26.00 5825 20.94 HT20 3 21.00 21.44 25.91 26.38 9.62 3 HT40 5755 26.38 9.62 16.39 16.10 16.69 21.17 HT40 3 5795 26.38 9.62 21.42 20.98 21.74 26.17 VHT20 3 5745 20.08 19.94 20.55 24.97 26.38 9.62 VHT20 3 5785 20.97 20.87 21.92 26.05 26.38 9.62 3 VHT20 5825 21.01 21.07 21.49 25.96 26.38 9.62 VHT40 3 5755 16.41 16.06 16.59 26.38 9.62 21.13 VHT40 3 9.62 5795 21.38 21.06 21.52 26.09 26.38 VHT80 3 5775 14.51 14.00 14.66 26.38 9.62 19.18 Result Complied

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3.4 Peak Power Spectral Density

3.4.1 Peak Power Spectral Density Limit

		Peak Power Spectral Density Limit
UNI	l Dev	vices
\boxtimes	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 $P_{Out} = 17 - (G_{TX} - 6)$.
	\boxtimes	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) \leq 11 dBm/MHz. If $G_{TX} > 6$ dBi, then PPSD= 11 – $(G_{TX} - 6)$
		the 5.25-5.35 GHz band, the peak power spectral density (PPSD) \leq 11 dBm/MHz. If $G_{TX} > 6$ dBi, PPSD= 11 – ($G_{TX} - 6$).
		the 5.47-5.725 GHz band, the peak power spectral density (PPSD) \leq 11 dBm/MHz. If $G_{TX} > 6$ dBi, PPSD= 11 – ($G_{TX} - 6$).
\boxtimes	For	the 5.725-5.85 GHz band:
	\boxtimes	Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) \leq 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.
pow	er sh	peak power spectral density that he same method as used to determine the conducted output nall be used to determine the power spectral density. And power spectral density in dBm/MHz amaximum transmitting antenna directional gain in dBi.

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3.4.2 Measuring Instruments

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

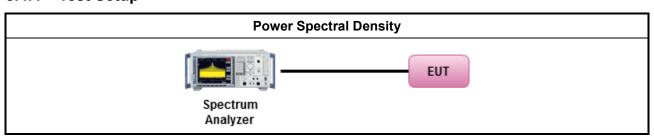
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3.4.3 Test Procedures

		Test Method
\boxtimes	outp func	k power spectral density procedures that the same method as used to determine the conducted ut power shall be used to determine the peak power spectral density and use the peak search tion on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density I 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-1 (spectral trace averaging).
		Refer as FCC KDB 789033, clause E Method SA-1 Alt. (RMS detection with slow sweep speed)
	duty	cycle < 98% and average over on/off periods with duty factor
	\boxtimes	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)
\boxtimes	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.
	\boxtimes	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 + + 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.

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3.4.4 Test Setup



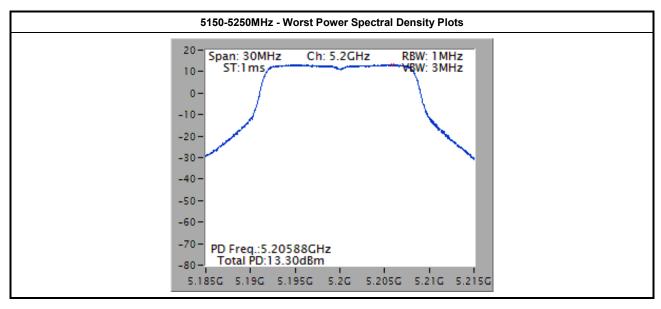
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3.4.5 Test Result of Peak Power Spectral Density

	Peak Power Spectral Density Result (5150-5250MHz band)									
Modulation Mode	N _{TX}	Freq. (MHz)	Peak Power Spectral Density (dBm/MHz)	PSD Limit	PSD-DG (dBi)					
11a	3	5180	13.16	13.38	9.62					
11a	3	5200	13.36	13.38	9.62					
11a	3	5240	13.25	13.38	9.62					
HT20	3	5180	13.16	13.38	9.62					
HT20	3	5200	13.09	13.38	9.62					
HT20	3	5240	13.20	13.38	9.62					
HT40	3	5190	7.19	13.38	9.62					
HT40	3	5230	11.44	13.38	9.62					
VHT20	3	5180	13.30	13.38	9.62					
VHT20	3	5200	13.02	13.38	9.62					
VHT20	3	5240	12.85	13.38	9.62					
VHT40	3	5190	7.52	13.38	9.62					
VHT40	3	5230	11.63	13.38	9.62					
VHT80	3	5210	4.34	13.38	9.62					
Resu	ılt		Complied							

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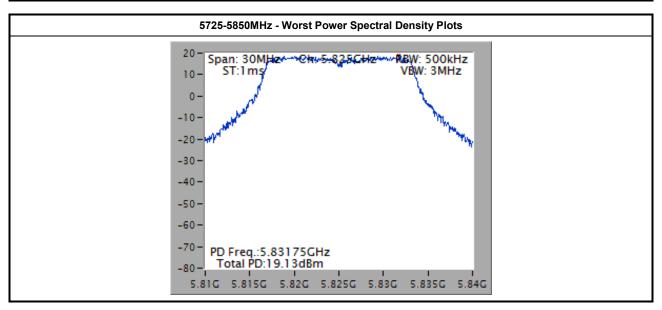
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		Peak F	Power Spectral Density Result (5725-5850MHz band)	
Modulation Mode	N _{TX}	Freq. (MHz)	Peak Power Spectral Density (dBm/500kHz)	PSD Limit	PSD-DG (dBi)
11a	3	5745	17.71	26.38	9.62
11a	3	5785	18.89	26.38	9.62
11a	3	5825	19.19	26.38	9.62
HT20	3	5745	17.11	26.38	9.62
HT20	3	5785	17.90	26.38	9.62
HT20	3	5825	18.02	26.38	9.62
HT40	3	5755	10.50	26.38	9.62
HT40	3	5795	15.82	26.38	9.62
VHT20	3	5745	16.96	26.38	9.62
VHT20	3	5785	18.26	26.38	9.62
VHT20	3	5825	18.40	26.38	9.62
VHT40	3	5755	11.94	26.38	9.62
VHT40	3	5795	16.04	26.38	9.62
VHT80	3	5775	6.52	26.38	9.62
Resu	ult			Complied	

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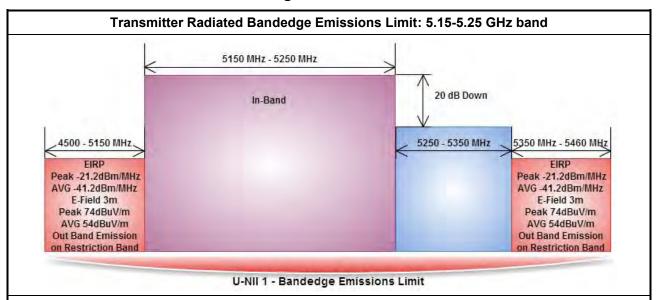


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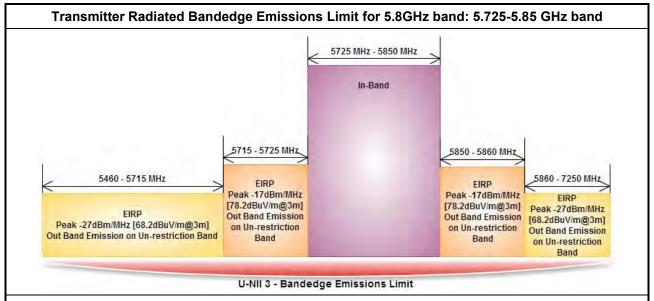
3.5 Transmitter Bandedge Emissions

3.5.1 Transmitter Radiated Bandedge Emissions Limit



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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.



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.

3.5.2 Measuring Instruments

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

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3.5.3 Test Procedures

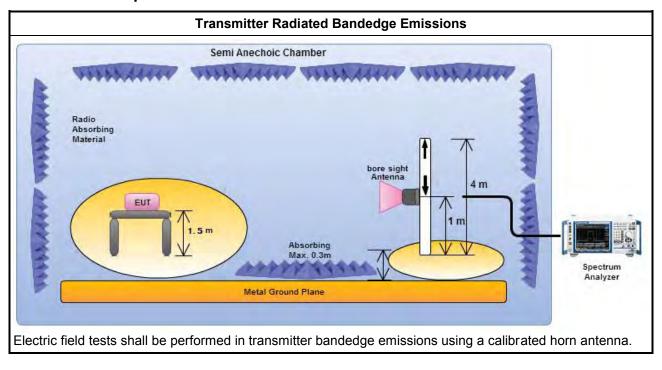
	Test Method
\boxtimes	The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].
	Refer as ANSI C63.10, clause 6.10 bandedge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.
	If EUT operate in adjacent 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).
\boxtimes	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 H)5) measurement procedure peak limit.
	Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.
\boxtimes	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.
\boxtimes	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.

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3.5.4 Test Setup



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3.5.5 Transmitter Radiated Bandedge Emissions (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	3	5180	3	5143.800	67.50	74	5145.000	52.61	54	V
11a	3	5240	3	5147.400	65.11	74	5145.000	51.83	54	V
HT20	3	5180	3	5142.800	69.9.	74	5141.600	52.31	54	V
HT20	3	5240	3	5147.400	70.12	74	5149.800	52.77	54	V
HT40	3	5190	3	5144.000	68.54	74	5145.320	52.81	54	V
HT40	3	5230	3	5146.200	65.85	74	5142.000	52.81	54	V
VHT20	3	5180	3	5149.400	67.84	74	5149.800	53.00	54	V
VHT20	3	5240	3	5143.200	65.59	74	5149.800	52.31	54	V
VHT40	3	5190	3	5149.700	67.21	74	5149.940	52.74	54	V
VHT40	3	5230	3	5148.600	66.11	74	5149.800	52.41	54	V
VHT80	3	5210	3	5141.400	66.69	74	5149.800	52.58	54	V

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Modulation Mode	N _{TX}	Freq. (MHz)	Measure Distance (m)	Freq. (MHz) PK	Level (dBuV/m) PK	Limit (dBuV/m) PK	Pol.
11a	3	5745	3	5724.760	74.44	78.2	V
11a	3	5825	3	5850.700	71.71	78.2	V
HT20	3	5745	3	5724.970	67.59	78.2	V
HT20	3	5825	3	5851.120	71.97	78.2	V
HT40	3	5755	3	5722.540	71.00	78.2	V
HT40	3	5795	3	5850.400	66.18	78.2	V
VHT20	3	5745	3	5724.970	69.43	78.2	V
VHT20	3	5825	3	5853.430	72.64	78.2	V
VHT40	3	5755	3	5724.620	73.43	78.2	V
VHT40	3	5795	3	5850.400	68.62	78.2	V
VHT80	3	5775	3	5725.000	77.15	78.2	V

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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			

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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.p27 dBm [68.2 dBuV/m@3m]			
5.25 - 5.35 GHz	e.i.r.p27 dBm [68.2 dBuV/m@3m]			
5.47 - 5.725 GHz	e.i.r.p27 dBm [68.2 dBuV/m@3m]			
5.725 - 5.85 GHz	5.715 5.725 GHz: e.i.r.p17 dBm [78.2 dBuV/m@3m] 5.85 5.86 GHz: e.i.r.p17 dBm [78.2 dBuV/m@3m] Other un-restricted band: e.i.r.p27 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.

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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).			
\boxtimes	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 4.2.3.2.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.			
	Refer as ANSI C63.10, clause 4.2.3.2.4 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.			
\boxtimes	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.			

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3.6.4 Test Setup

Semi Anechoic Chamber Radio Absorbing Material Antenna Antenna

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Magnetic field tests shall be performed in the frequency range of 9 kHz to 30 MHz using a calibrated loop antenna. Electric field tests shall be performed in the frequency range of 30 MHz to 1000 MHz using a calibrated bi-log antenna.

Metal Ground Plane

Semi Anechoic Chamber Radio Absorbing Material Absorbing Max. 0.3m Metal Ground Plane Transmitter Radiated Unwanted Emissions Above 1GHz Semi Anechoic Chamber Analyzer

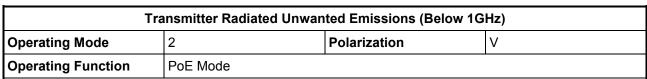
Electric field tests shall be performed in the frequency range of 1 GHz to 10th harmonic of highest fundamental frequency or 40 GHz using a calibrated horn antenna.

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

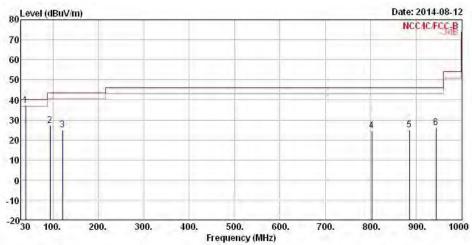
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

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3.6.6 Transmitter Radiated Unwanted Emissions (Below 1GHz)



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	Freq	Level	0∨er Limit	Limit Line	200	Antenna Factor		Preamp Factor	Remark
_	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1!	39.70	37.35	-2.65	40.00	50.55	13.08	1.02	27.30	QP
2	94.02	27.11	-16.39	43.50	42.72	10.12	1.53	27.26	Peak
3	121.18	25.02	-18.48	43.50	37.84	12.56	1.80	27.18	Peak
4	802.12	24.47	-21.53	46.00	27.49	19.68	4.92	27.62	Peak
4 5	885.54	24.87	-21.13	46.00	26.67	20.42	5.12	27.34	Peak
6	943.74	26.29	-19.71	46.00	27.52	20.81	5.31	27.35	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.)

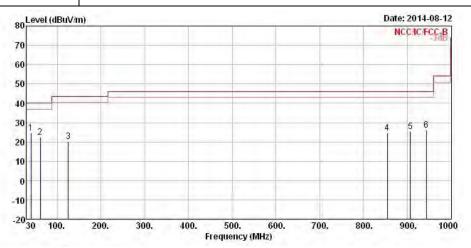
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical).

Note 4: No level of unwanted emissions exceeds the level of the fundamental emission.

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Transmitter Radiated Unwanted Emissions (Below 1GHz) Operating Mode 2 Polarization H Operating Function PoE Mode



	Freq	Le∨el	Over Limit	Limit Line		Antenna Factor		Preamp Factor	Remark
3-	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-
1	39.70	24.47	-15.53	40.00	37.67	13.08	1.02	27.30	Peak
2	61.04	22.26	-17.74	40.00	41.61	6.85	1.26	27.46	Peak
3	125.06	20.34	-23.16	43.50	33.20	12.49	1.83	27.18	Peak
4	854.50	24.60	-21.40	46.00	26.78	20.31	4.95	27.44	Peak
5	906.88	25.46	-20.54	46.00	26.98	20.57	5.21	27.30	Peak
6	943.74	26.17	-19.83	46.00	27.40	20.81	5.31	27.35	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.)

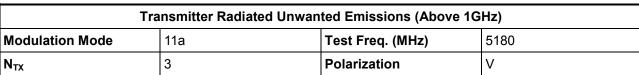
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical).

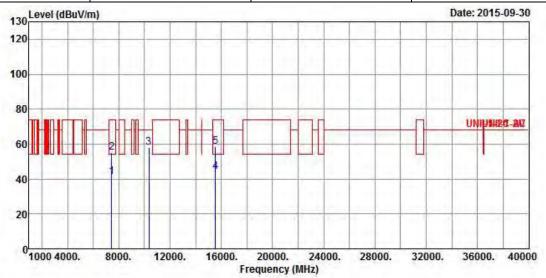
Note 4: No level of unwanted emissions exceeds the level of the fundamental emission.

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

Report No.: FR582836AN





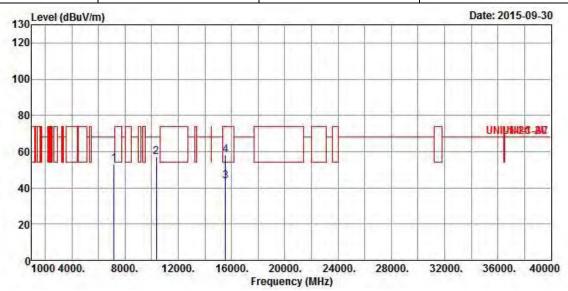
	Freq	Level	Over Limit	Limit Line		Antenna Factor		AND THE PARTY OF THE	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-
1	7463.000	41.02	-12.98	54.00	29.53	36.41	7.93	32.85	Average
2	7463.000	55.02	-18.98	74.00	43.53	36.41	7.93	32.85	Peak
3	10360.000	57.86	-10.34	68.20	42.99	38.90	8.86	32.89	Peak
4	15540.000	44.37	-9.63	54.00	29.49	37.83	9.39	32.34	Average
5	15540.000	58.63	-15.37	74.00	43.75	37.83	9.39	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.

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Transmitter Radiated Unwanted Emissions (Above 1GHz)								
Modulation Mode 11a Test Freq. (MHz) 5180								
N _{TX}	3	Polarization	Н					



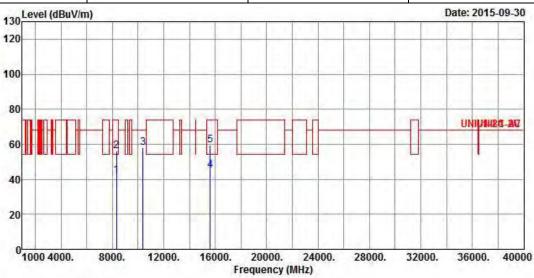
	Freq	Level		Limit Line	No.	Antenna Factor		C. C. C. C.	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7174.000	53.40	-14.80	68.20	42.62	35.65	7.89	32.76	Peak
2	10360.000	56.88	-11.32	68.20	42.01	38.90	8.86	32.89	Peak
3	15540.000	43.87	-10.13	54.00	28.99	37.83	9.39	32.34	Average
4	15540.000	57.89	-16.11	74.00	43.01	37.83	9.39	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.

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Tra	Transmitter Radiated Unwanted Emissions (Above 1GHz)								
Modulation Mode	11a	Test Freq. (MHz)	5200						
N _{TX}	3	Polarization	V						

Report No.: FR582836AN



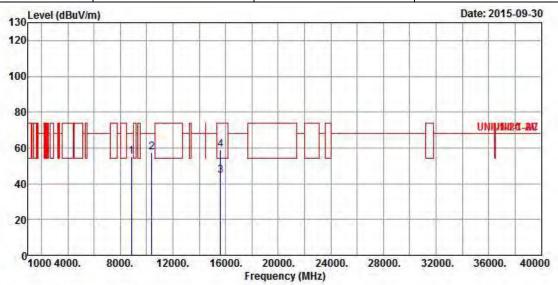
	Freq	Level				Antenna Factor			Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-
1	8341.000	42.19	-11.81	54.00	29.63	37.51	7.99	32.94	Average
2	8341.000	56.18	-17.82	74.00	43.62	37.51	7.99	32.94	Peak
3	10400.000	57.94	-10.26	68.20	43.04	38.90	8.85	32.85	Peak
4	15600.000	45.16	-8.84	54.00	30.42	37.69	9.41	32.36	Average
5	15600.000	59.37	-14.63	74.00	44.63	37.69	9.41	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.

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Transmitter Radiated Unwanted Emissions (Above 1GHz)								
Modulation Mode 11a Test Freq. (MHz) 5200								
N_{TX}	3	Polarization	Н					

Report No.: FR582836AN



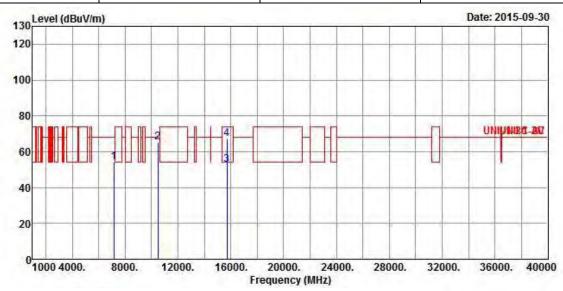
	Freq	Level				Antenna Factor		THE REPORT OF THE PARTY OF	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	8863.000	55.39	-12.81	68.20	42.74	37.77	7.94	33.06	Peak
2	10400.000	57.79	-10.41	68.20	42.89	38.90	8.85	32.85	Average
3	15600.000	44.61	-9.39	54.00	29.87	37.69	9.41	32.36	Average
4	15600.000	58.77	-15.23	74.00	44.03	37.69	9.41	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.

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Transmitter Radiated Unwanted Emissions (Above 1GHz)							
Modulation Mode11aTest Freq. (MHz)5240							
N_{TX}	V						



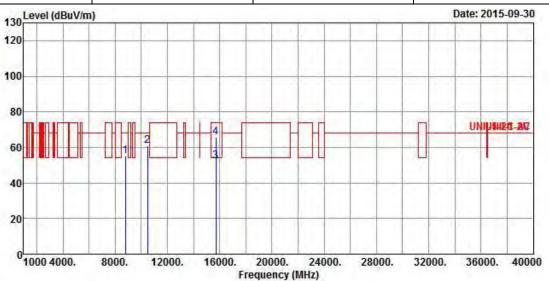
	Freq	Level	Over Limit			Antenna Factor			Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7142.000	54.20	-14.00	68.20	43.51	35.56	7.89	32.76	Peak
2	10480.000	65.03	-3.17	68.20	50.09	38.90	8.82	32.78	Peak
3	15720.000	52.98	-1.02	54.00	38.46	37.45	9.46	32.39	Average
4	15720.000	67.32	-6.68	74.00	52.80	37.45	9.46	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.

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Transmitter Radiated Unwanted Emissions (Above 1GHz)							
Modulation Mode 11a Test Freq. (MHz) 5240							
N _{TX}	Н						



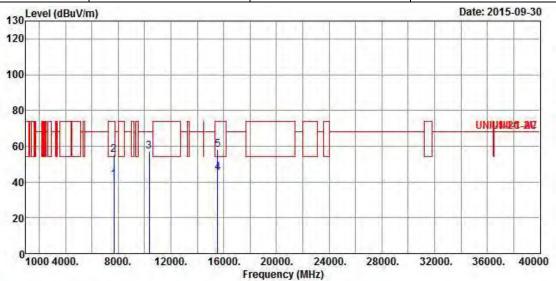
	Freq	Level				Antenna Factor			Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	8785.000	55.29	-12.91	68.20	42.62	37.76	7.94	33.03	Peak
2	10480.000	60.81	-7.39	68.20	45.87	38.90	8.82	32.78	Peak
3	15720.000	52.45	-1.55	54.00	37.93	37.45	9.46	32.39	Average
4	15720.000	65.90	-8.10	74.00	51.38	37.45	9.46	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.

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Tra	Transmitter Radiated Unwanted Emissions (Above 1GHz)								
Modulation Mode	HT20	Test Freq. (MHz)	5180						
N _{TX}	3	Polarization	V						

Report No.: FR582836AN



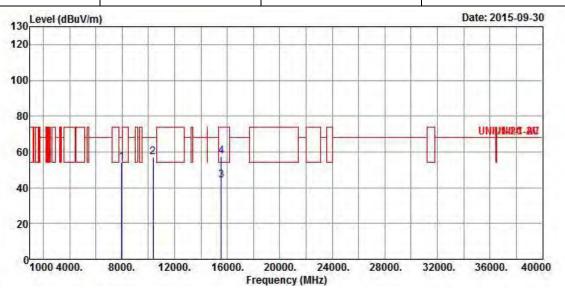
	Freq	Level	Over Limit	Limit Line		Antenna Factor		The second second	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7685.000	41.46	-12.54	54.00	29.64	36.72	7.99	32.89	Average
2	7685.000	55.04	-18.96	74.00	43.22	36.72	7.99	32.89	Peak
3	10360.000	56.90	-11.30	68.20	42.03	38.90	8.86	32.89	Peak
4	15540.000	44.87	-9.13	54.00	29.99	37.83	9.39	32.34	Average
5	15540.000	57.91	-16.09	74.00	43.03	37.83	9.39	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.

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Transmitter Radiated Unwanted Emissions (Above 1GHz)								
Modulation Mode	HT20	Test Freq. (MHz)	5180					
N _{TX}	3	Polarization	Н					

Report No.: FR582836AN



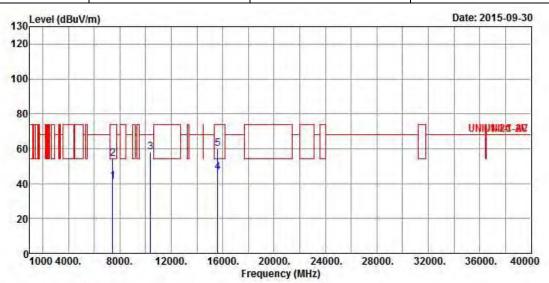
			Over	Limit	ReadA	Antenna	Cable	Preamp	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7985.000	54.23	-13.97	68.20	41.99	37.08	8.10	32.94	Peak
2	10360.000	57.10	-11.10	68.20	42.23	38.90	8.86	32.89	Peak
3	15540.000	43.91	-10.09	54.00	29.03	37.83	9.39	32.34	Average
4	15540.000	57.63	-16.37	74.00	42.75	37.83	9.39	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.

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Transmitter Radiated Unwanted Emissions (Above 1GHz)							
Modulation Mode	HT20	Test Freq. (MHz)	5200				
N _{TX}	3	Polarization	V				

Report No.: FR582836AN



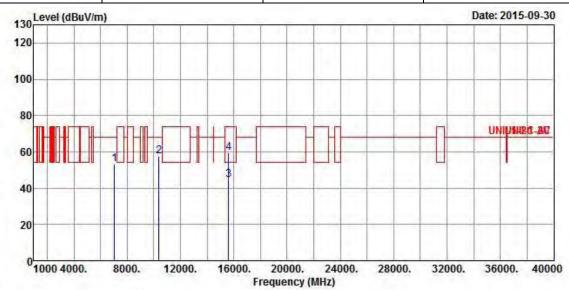
Freq	Level							Remark
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
7462.000	41.49	-12.51	54.00	30.00	36.41	7.93	32.85	Average
7462.000	54.37	-19.63	74.00	42.88	36.41	7.93	32.85	Peak
10400.000	58.16	-10.04	68.20	43.26	38.90	8.85	32.85	Peak
15600.000	46.73	-7.27	54.00	31.99	37.69	9.41	32.36	Average
15600.000	59.75	-14.25	74.00	45.01	37.69	9.41	32.36	Peak
	7462.000 7462.000 10400.000 15600.000	MHz dBuV/m 7462.000 41.49 7462.000 54.37 10400.000 58.16 15600.000 46.73	Freq Level Limit MHz dBuV/m dB 7462.000 41.49 -12.51 7462.000 54.37 -19.63 10400.000 58.16 -10.04 15600.000 46.73 -7.27	Freq Level Limit Line MHz dBuV/m dB dBuV/m 7462.000 41.49 -12.51 54.00 7462.000 54.37 -19.63 74.00 10400.000 58.16 -10.04 68.20 15600.000 46.73 -7.27 54.00	Freq Level Limit Line Level MHz dBuV/m dB dBuV/m dBuV 7462.000 41.49 -12.51 54.00 30.00 7462.000 54.37 -19.63 74.00 42.88 10400.000 58.16 -10.04 68.20 43.26 15600.000 46.73 -7.27 54.00 31.99	Freq Level Limit Line Level Factor MHz dBuV/m dB dBuV/m dBuV dB/m 7462.000 41.49 -12.51 54.00 30.00 36.41 7462.000 54.37 -19.63 74.00 42.88 36.41 10400.000 58.16 -10.04 68.20 43.26 38.90 15600.000 46.73 -7.27 54.00 31.99 37.69	Freq Level Limit Line Level Factor Loss MHz dBuV/m dB dBuV/m dBuV dB/m dB/m dB 7462.000 41.49 -12.51 54.00 30.00 36.41 7.93 7462.000 54.37 -19.63 74.00 42.88 36.41 7.93 10400.000 58.16 -10.04 68.20 43.26 38.90 8.85 15600.000 46.73 -7.27 54.00 31.99 37.69 9.41	Freq Level Limit Line Level Factor Loss Factor MHz dBuV/m dB dBuV/m dBuV dB/m dB dB 7462.000 41.49 -12.51 54.00 30.00 36.41 7.93 32.85 7462.000 54.37 -19.63 74.00 42.88 36.41 7.93 32.85 10400.000 58.16 -10.04 68.20 43.26 38.90 8.85 32.85

- 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.

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Tra	Transmitter Radiated Unwanted Emissions (Above 1GHz)							
Modulation Mode	HT20	Test Freq. (MHz)	5200					
N _{TX}	3	Polarization	Н					

Report No.: FR582836AN



	Freq	Level	Over Limit			Antenna Factor		Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7063.000	53.26	-14.94	68.20	42.73	35.38	7.88	32.73	Peak
2	10400.000	57.42	-10.78	68.20	42.52	38.90	8.85	32.85	Peak
3	15600.000	44.76	-9.24	54.00	30.02	37.69	9.41	32.36	Average
4	15600.000	59.25	-14.75	74.00	44.51	37.69	9.41	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.

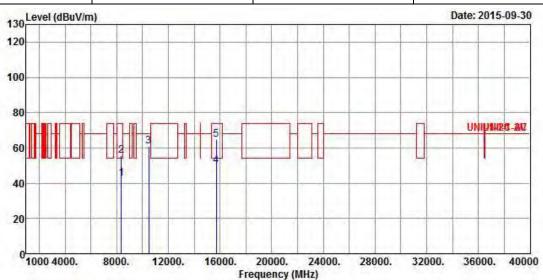
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.

Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

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Transmitter Radiated Unwanted Emissions (Above 1GHz)								
Modulation Mode	HT20	Test Freq. (MHz)	5240					
N _{TX}	3	Polarization	V					

Report No.: FR582836AN



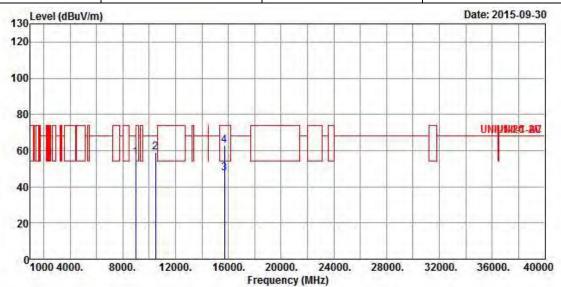
	Freq	Level	Over Limit	1000		Antenna Factor		THE RESERVE OF THE	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	8362.000	42.59	-11.41	54.00	30.02	37.53	7.98	32.94	Average
2	8362.000	55.55	-18.45	74.00	42.98	37.53	7.98	32.94	Peak
3	10480.000	60.78	-7.42	68.20	45.84	38.90	8.82	32.78	Peak
4	15720.000	50.01	-3.99	54.00	35.49	37.45	9.46	32.39	Average
5	15720.000	64.93	-9.07	74.00	50.41	37.45	9.46	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.

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TEL: 886-3-327-3456 Report Version : Rev. 01

Tra	Transmitter Radiated Unwanted Emissions (Above 1GHz)							
Modulation Mode	Test Freq. (MHz)	5240						
N_{TX}	3	Polarization	Н					

Report No.: FR582836AN



	Freq	Level	Over Limit			Antenna Factor			
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	8991.000	56.26	-11.94	68.20	43.62	37.80	7.94	33.10	Peak
2	10480.000	58.95	-9.25	68.20	44.01	38.90	8.82	32.78	Peak
3	15720.000	47.64	-6.36	54.00	33.12	37.45	9.46	32.39	Average
4	15720.000	62.65	-11.35	74.00	48.13	37.45	9.46	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.

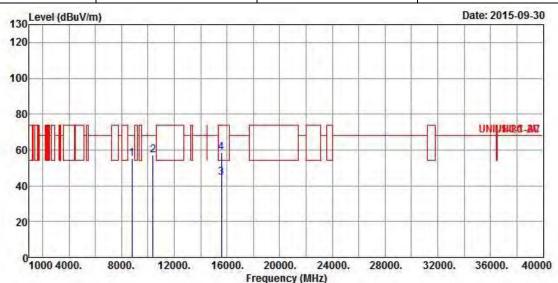
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

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TEL: 886-3-327-3456 Report Version : Rev. 01



Transmitter Radiated Unwanted Emissions (Above 1GHz)							
Modulation Mode	HT40	Test Freq. (MHz)	5190				
N _{TX}	3	Polarization	V				

Report No.: FR582836AN



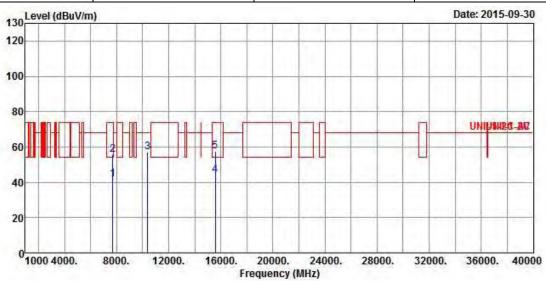
			Over	Limit	ReadA	Antenna	Cable	Preamp	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-
1	8785.000	55.40	-12.80	68.20	42.73	37.76	7.94	33.03	Peak
2	10380.000	56.94	-11.26	68.20	42.06	38.90	8.85	32.87	Peak
3	15570.000	44.81	-9.19	54.00	29.99	37.76	9.41	32.35	Average
4	15570.000	58.69	-15.31	74.00	43.87	37.76	9.41	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.

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Transmitter Radiated Unwanted Emissions (Above 1GHz)							
Modulation Mode	HT40	Test Freq. (MHz)	5190				
N_{TX}	3	Polarization	Н				

Report No.: FR582836AN



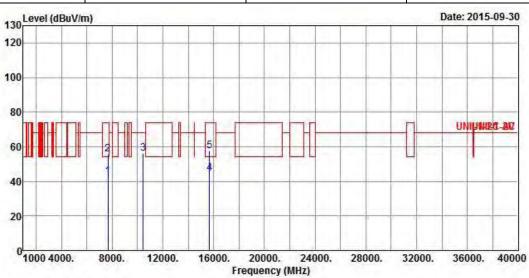
	Freq	Level	Over Limit			Antenna Factor		The Party of the Control	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7711.000	41.89	-12.11	54.00	30.01	36.76	8.01	32.89	Average
2	7711.000	55.88	-18.12	74.00	44.00	36.76	8.01	32.89	Peak
3	10380.000	56.94	-11.26	68.20	42.06	38.90	8.85	32.87	Peak
4	15570.000	44.13	-9.87	54.00	29.31	37.76	9.41	32.35	Average
5	15570.000	57.57	-16.43	74.00	42.75	37.76	9.41	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.

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Transmitter Radiated Unwanted Emissions (Above 1GHz)							
Modulation Mode	HT40	Test Freq. (MHz)	5230				
N _{TX}	3	Polarization	V				

Report No.: FR582836AN



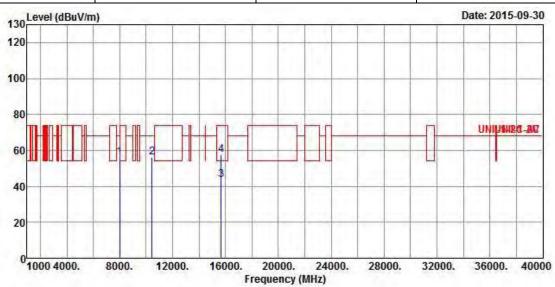
	Freq	Level	Over Limit	Limit Line		Antenna Factor			Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7685.000	42.84	-11.16	54.00	31.02	36.72	7.99	32.89	Average
2	7685.000	55.86	-18.14	74.00	44.04	36.72	7.99	32.89	Peak
3	10460.000	55.97	-12.23	68.20	41.05	38.90	8.82	32.80	Peak
4	15690.000	44.58	-9.42	54.00	29.99	37.52	9.46	32.39	Average
5	15690.000	57.65	-16.35	74.00	43.06	37.52	9.46	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.

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Transmitter Radiated Unwanted Emissions (Above 1GHz)							
Modulation Mode	HT40	Test Freq. (MHz)	5230				
N _{TX}	3	Polarization	Н				

Report No.: FR582836AN



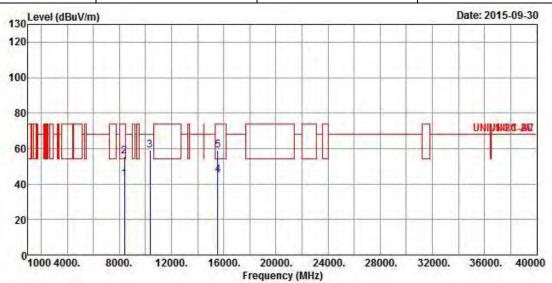
		Over	Limit	Read	Antenna	Cable	Preamp	
Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-
7989.000	56.09	-12.11	68.20	43.85	37.08	8.10	32.94	Peak
10460.000	55.97	-12.23	68.20	41.05	38.90	8.82	32.80	Average
15690.000	43.66	-10.34	54.00	29.07	37.52	9.46	32.39	Average
15690.000	57.37	-16.63	74.00	42.78	37.52	9.46	32.39	Peak
	7989.000 10460.000 15690.000	MHz dBuV/m 7989.000 56.09 10460.000 55.97 15690.000 43.66	Freq Level Limit MHz dBuV/m dB 7989.000 56.09 -12.11 10460.000 55.97 -12.23 15690.000 43.66 -10.34	Freq Level Limit Line MHz dBuV/m dB dBuV/m 7989.000 56.09 -12.11 68.20 10460.000 55.97 -12.23 68.20 15690.000 43.66 -10.34 54.00	Freq Level Limit Line Level MHz dBuV/m dB dBuV/m dBuV 7989.000 56.09 -12.11 68.20 43.85 10460.000 55.97 -12.23 68.20 41.05 15690.000 43.66 -10.34 54.00 29.07	Freq Level Limit Line Level Factor MHz dBuV/m dB dBuV/m dBuV dB/m 7989.000 56.09 -12.11 68.20 43.85 37.08 10460.000 55.97 -12.23 68.20 41.05 38.90	Freq Level Limit Line Level Factor Loss MHz dBuV/m dB dBuV/m dBuV dB/m dB	Freq Level Limit Line Level Factor Loss Factor MHz dBuV/m dB dBuV/m dBuV dB/m dB dB 7989.000 56.09 -12.11 68.20 43.85 37.08 8.10 32.94 10460.000 55.97 -12.23 68.20 41.05 38.90 8.82 32.80 15690.000 43.66 -10.34 54.00 29.07 37.52 9.46 32.39

- 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.

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Transmitter Radiated Unwanted Emissions (Above 1GHz)							
Modulation Mode	VHT20	Test Freq. (MHz)	5180				
N_{TX}	3	Polarization	V				

Report No.: FR582836AN



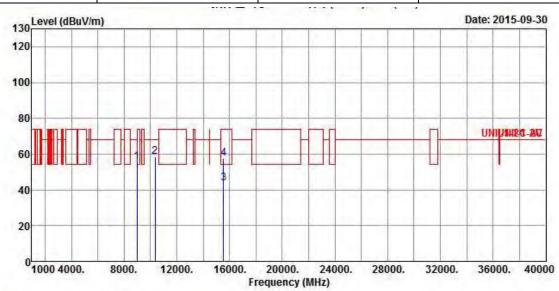
	Freq	Level	Over Limit	Limit Line		Antenna Factor		C. 100 00 00 00 00 00 00 00 00 00 00 00 00	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	8385.000	42.61	-11.39	54.00	30.01	37.56	7.98	32.94	Average
2	8385.000	55.73	-18.27	74.00	43.13	37.56	7.98	32.94	Peak
3	10360.000	58.88	-9.32	68.20	44.01	38.90	8.86	32.89	Peak
4	15540.000	44.87	-9.13	54.00	29.99	37.83	9.39	32.34	Average
5	15540.000	58.77	-15.23	74.00	43.89	37.83	9.39	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.

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Transmitter Radiated Unwanted Emissions (Above 1GHz)							
Modulation Mode	VHT20	Test Freq. (MHz)	5180				
N _{TX}	3	Polarization	Н				

Report No.: FR582836AN



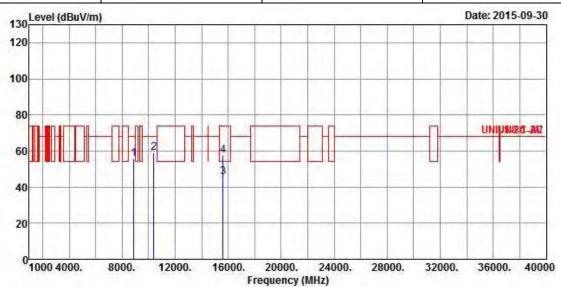
	Freq	Level		Limit Line					Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	8979.000	55.48	-12.72	68.20	42.85	37.79	7.94	33.10	Peak
2	10360.000	58.39	-9.81	68.20	43.52	38.90	8.86	32.89	Average
3	15540.000	43.89	-10.11	54.00	29.01	37.83	9.39	32.34	Average
4	15540.000	57.67	-16.33	74.00	42.79	37.83	9.39	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.

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Transmitter Radiated Unwanted Emissions (Above 1GHz)								
Modulation Mode	VHT20	Test Freq. (MHz)	5200					
N _{TX}	3	Polarization	V					

Report No.: FR582836AN



	Freq	Level		Limit Line					Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	8874.000	55.52	-12.68	68.20	42.88	37.77	7.94	33.07	Peak
2	10400.000	58.95	-9.25	68.20	44.05	38.90	8.85	32.85	Peak
3	15600.000	45.69	-8.31	54.00	30.95	37.69	9.41	32.36	Average
4	15600.000	57.79	-16.21	74.00	43.05	37.69	9.41	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.

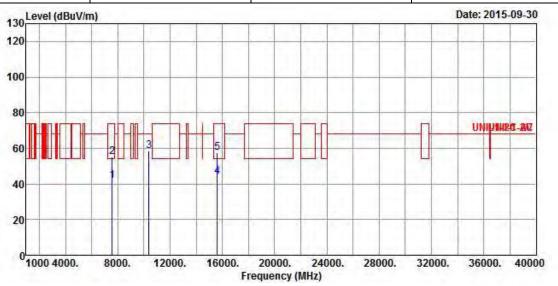
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.

Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

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FCC Test Report No.: FR582836AN

Transmitter Radiated Unwanted Emissions (Above 1GHz)							
Modulation Mode	VHT20	Test Freq. (MHz)	5200				
N_{TX}	3	Polarization	Н				



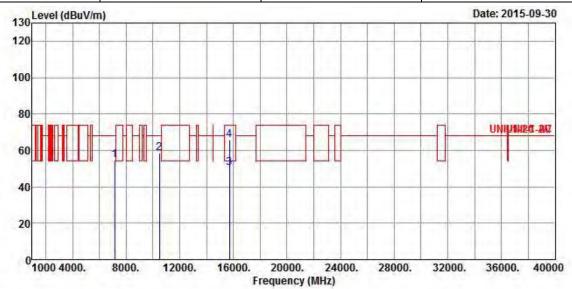
	Freq	Level				Antenna Factor		THE PROPERTY OF THE	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-
1	7568.000	41.67	-12.33	54.00	30.01	36.58	7.95	32.87	Average
2	7568.000	55.18	-18.82	74.00	43.52	36.58	7.95	32.87	Peak
3	10400.000	58.31	-9.89	68.20	43.41	38.90	8.85	32.85	Peak
4	15600.000	44.30	-9.70	54.00	29.56	37.69	9.41	32.36	Average
5	15600.000	57.61	-16.39	74.00	42.87	37.69	9.41	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.

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Transmitter Radiated Unwanted Emissions (Above 1GHz)							
Modulation Mode	VHT20	Test Freq. (MHz)	5240				
N_{TX}	3	Polarization	V				

Report No.: FR582836AN



	Freq	Level				Antenna Factor			Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7152.000	54.89	-13.31	68.20	44.16	35.60	7.89	32.76	Peak
2	10480.000	58.67	-9.53	68.20	43.73	38.90	8.82	32.78	Peak
3	15720.000	50.51	-3.49	54.00	35.99	37.45	9.46	32.39	Average
4	15720.000	65.50	-8.50	74.00	50.98	37.45	9.46	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.

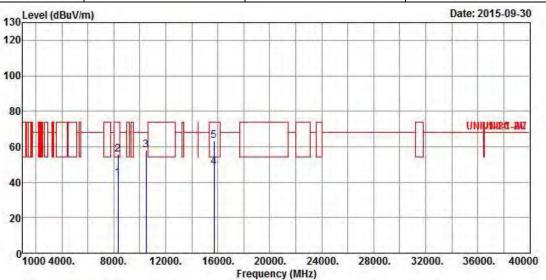
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.

Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

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FCC Test Report No.: FR582836AN

Transmitter Radiated Unwanted Emissions (Above 1GHz)								
Modulation Mode	VHT20	Test Freq. (MHz)	5240					
N_{TX}	3	Polarization	Н					



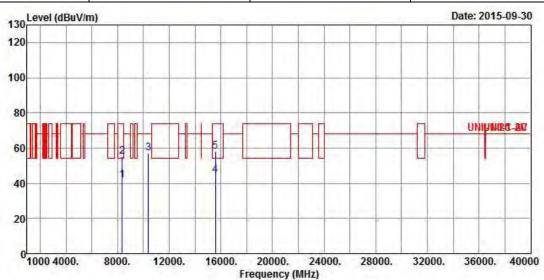
	Freq	Level	Over Limit	Limit Line		Antenna Factor		THE RESERVE OF THE PERSON OF T	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-
1	8341.000	42.19	-11.81	54.00	29.63	37.51	7.99	32.94	Average
2	8341.000	55.61	-18.39	74.00	43.05	37.51	7.99	32.94	Peak
3	10480.000	57.91	-10.29	68.20	42.97	38.90	8.82	32.78	Peak
4	15720.000	48.39	-5.61	54.00	33.87	37.45	9.46	32.39	Average
5	15720.000	63.49	-10.51	74.00	48.97	37.45	9.46	32.39	Peak
5									

- 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.

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Transmitter Radiated Unwanted Emissions (Above 1GHz)							
Modulation Mode	VHT40	Test Freq. (MHz)	5190				
N _{TX}	3	Polarization	V				

Report No.: FR582836AN



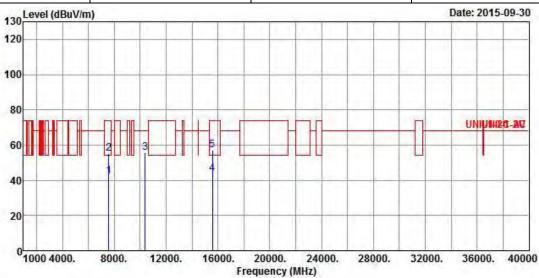
	Freq	Level	Over Limit	Limit Line		Antenna Factor			Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	8364.000	41.69	-12.31	54.00	29.12	37.53	7.98	32.94	Average
2	8364.000	55.35	-18.65	74.00	42.78	37.53	7.98	32.94	Peak
3	10380.000	56.87	-11.33	68.20	41.99	38.90	8.85	32.87	Peak
4	15570.000	44.80	-9.20	54.00	29.98	37.76	9.41	32.35	Average
5	15570.000	58.07	-15.93	74.00	43.25	37.76	9.41	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.

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FCC Test Report Report No.: FR582836AN

Transmitter Radiated Unwanted Emissions (Above 1GHz)							
Modulation Mode	VHT40	Test Freq. (MHz)	5190				
N _{TX}	3	Polarization	Н				



	Freq	Level			- W. Carlotte St.	Antenna Factor			Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-
1	7585.000	42.10	-11.90	54.00	30.40	36.60	7.97	32.87	Average
2	7585.000	55.26	-18.74	74.00	43.56	36.60	7.97	32.87	Peak
3	10380.000	55.87	-12.33	68.20	40.99	38.90	8.85	32.87	Peak
4	15570.000	43.83	-10.17	54.00	29.01	37.76	9.41	32.35	Average
5	15570.000	57.27	-16.73	74.00	42.45	37.76	9.41	32.35	Peak

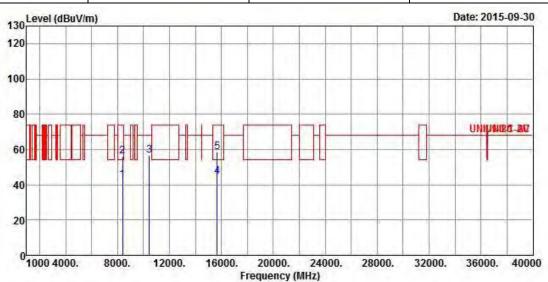
- Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
- Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
- Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
- Note 4: For restricted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

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FAX: 886-3-327-0973

Transmitter Radiated Unwanted Emissions (Above 1GHz)								
Modulation Mode	VHT40	Test Freq. (MHz)	5230					
N _{TX}	3	Polarization	V					

Report No.: FR582836AN



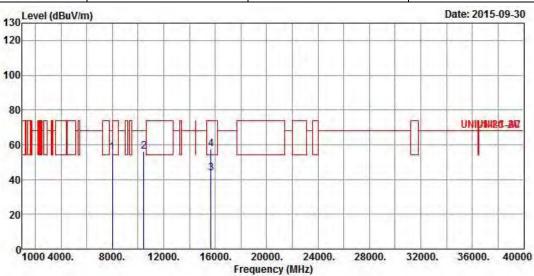
	Freq	Level	Over Limit	Limit Line		Antenna Factor			Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	8396.000	42.72	-11.28	54.00	30.12	37.58	7.96	32.94	Average
2	8396.000	56.12	-17.88	74.00	43.52	37.58	7.96	32.94	Peak
3	10460.000	56.43	-11.77	68.20	41.51	38.90	8.82	32.80	Peak
4	15690.000	44.46	-9.54	54.00	29.87	37.52	9.46	32.39	Average
5	15690.000	58.48	-15.52	74.00	43.89	37.52	9.46	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.

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Transmitter Radiated Unwanted Emissions (Above 1GHz)								
Modulation Mode VHT40 Test Freq. (MHz) 5230								
N_{TX}	3	Polarization	Н					

Report No.: FR582836AN



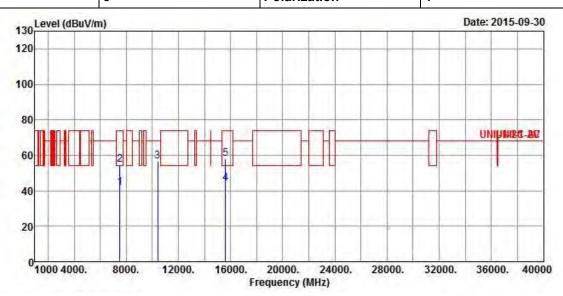
	Freq	Level	Over Limit			Antenna Factor			Remark
	MHz	dBuV/m	— dB	dBuV/m	dBuV	dB/m	dB	— dB	-
1	7989.000	55.78	-12.42	68.20	43.54	37.08	8.10	32.94	Peak
2	10460.000	56.14	-12.06	68.20	41.22	38.90	8.82	32.80	Peak
3	15690.000	43.72	-10.28	54.00	29.13	37.52	9.46	32.39	Average
4	15690.000	57.57	-16.43	74.00	42.98	37.52	9.46	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.

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Transmitter Radiated Unwanted Emissions (Above 1GHz)								
Modulation Mode	VHT80	Test Freq. (MHz)	5210					
N _{TY}	3	Polarization	V					

Report No.: FR582836AN



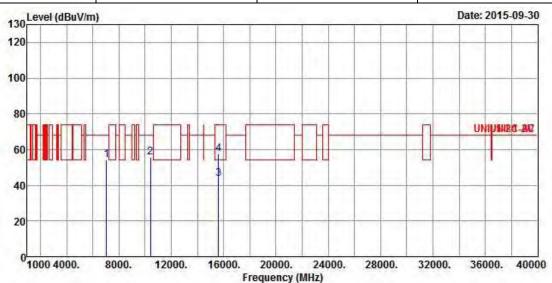
	Freq	Level	Over Limit	4.7.3.		Antenna Factor			Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	7
1	7496.000	41.83	-12.17	54.00	30.25	36.50	7.94	32.86	Average
2	7496.000	54.45	-19.55	74.00	42.87	36.50	7.94	32.86	Peak
3	10420.000	56.63	-11.57	68.20	41.75	38.90	8.83	32.85	Peak
4	15630.000	44.24	-9.76	54.00	29.57	37.62	9.42	32.37	Average
5	15630.000	58.19	-15.81	74.00	43.52	37.62	9.42	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.

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Transmitter Radiated Unwanted Emissions (Above 1GHz)								
Modulation Mode	VHT80	Test Freq. (MHz)	5210					
N_{TX}	3	Polarization	Н					

Report No.: FR582836AN



	Freq	Level				Antenna Factor			Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		
1	7041.000	54.06	-14.14	68.20	43.61	35.29	7.88	32.72	Peak	
2	10420.000	55.87	-12.33	68.20	40.99	38.90	8.83	32.85	Peak	
3	15630.000	43.81	-10.19	54.00	29.14	37.62	9.42	32.37	Average	
4	15630.000	57.52	-16.48	74.00	42.85	37.62	9.42	32.37	Peak	

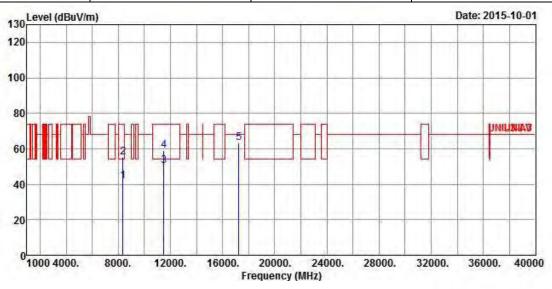
- Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
- Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
- Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
- Note 4: For restricted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

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

Report No.: FR582836AN

Transmitter Radiated Unwanted Emissions (Above 1GHz)								
Modulation Mode	11a	Test Freq. (MHz)	5745					
N_{TX}	3	Polarization	V					



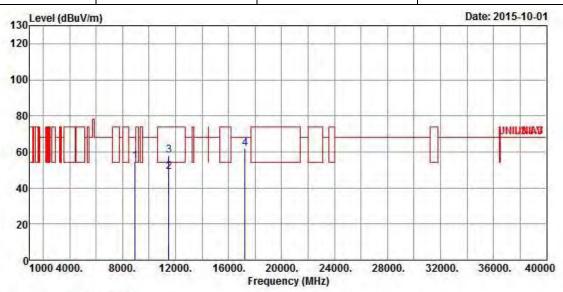
	Freq	Level	Over Limit	71 2000 000		Antenna Factor			
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	7
1	8362.000	41.87	-12.13	54.00	29.30	37.53	7.98	32.94	Average
2	8362.000	55.32	-18.68	74.00	42.75	37.53	7.98	32.94	Peak
3	11490.000	50.19	-3.81	54.00	35.02	39.18	8.45	32.46	Average
4	11490.000	59.18	-14.82	74.00	44.01	39.18	8.45	32.46	Peak
5	17235.000	63.22	-4.98	68.20	43.99	41.72	9.05	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.

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Т	Transmitter Radiated Unwanted Emissions (Above 1GHz)							
Modulation Mode 11a Test Freq. (MHz) 5745								
N _{TX}	3	Polarization	Н					

Report No.: FR582836AN



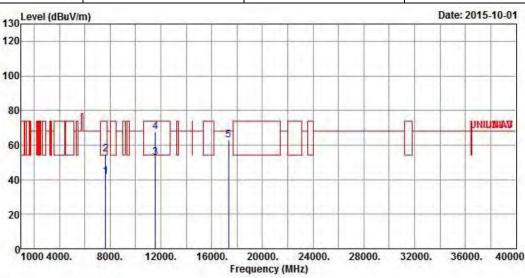
Freq	Level							Remark
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
8952.000	54.63	-13.57	68.20	41.99	37.79	7.94	33.09	Peak
11490.000	48.78	-5.22	54.00	33.61	39.18	8.45	32.46	Average
11490.000	58.15	-15.85	74.00	42.98	39.18	8.45	32.46	Peak
17235.000	61.86	-6.34	68.20	42.63	41.72	9.05	31.54	Peak
	MHz 8952.000 11490.000 11490.000	MHz dBuV/m 8952.000 54.63 11490.000 48.78 11490.000 58.15	Freq Level Limit MHz dBuV/m dB 8952.000 54.63 -13.57 11490.000 48.78 -5.22 11490.000 58.15 -15.85	$\frac{\text{Freq Level Limit Line}}{\text{MHz}} \frac{\text{Level Limit dBuV/m}}{\text{dBuV/m}} = \frac{\text{ABuV/m}}{\text{dBuV/m}}$ $\frac{8952.000}{11490.000} \frac{54.63}{48.78} \frac{-13.57}{-5.22} \frac{68.20}{54.00}$ $\frac{11490.000}{11490.000} \frac{58.15}{58.15} \frac{-15.85}{-15.85} \frac{74.00}{74.00}$	Freq Level Limit Line Level MHz dBuV/m dB dBuV/m dBuV 8952.000 54.63 -13.57 68.20 41.99 11490.000 48.78 -5.22 54.00 33.61 11490.000 58.15 -15.85 74.00 42.98	Freq Level Limit Line Level Factor MHz dBuV/m dB dBuV/m dBuV dB/m 8952.000 54.63 -13.57 68.20 41.99 37.79	Freq Level Limit Line Level Factor Loss MHz dBuV/m dB dBuV/m dBuV dB/m dB 8952.000 54.63 -13.57 68.20 41.99 37.79 7.94 11490.000 48.78 -5.22 54.00 33.61 39.18 8.45 11490.000 58.15 -15.85 74.00 42.98 39.18 8.45	Freq Level Limit Line Level Factor Loss Factor MHz dBuV/m dB dBuV/m dBuV dB/m dB dB 8952.000 54.63 -13.57 68.20 41.99 37.79 7.94 33.09 11490.000 48.78 -5.22 54.00 33.61 39.18 8.45 32.46 11490.000 58.15 -15.85 74.00 42.98 39.18 8.45 32.46

- 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.

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FCC Test Report No.: FR582836AN

Transmitter Radiated Unwanted Emissions (Above 1GHz)					
Modulation Mode	11a	Test Freq. (MHz)	5785		
N_{TX}	3	Polarization	V		



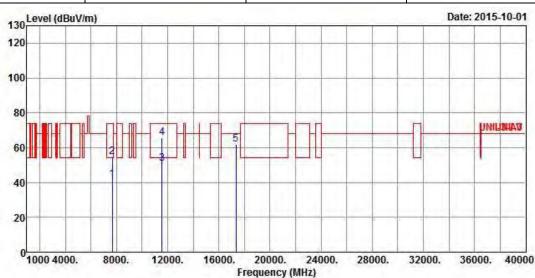
			Over	Limit	Read	Antenna	Cable	Preamp	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7652.000	41.81	-12.19	54.00	30.02	36.68	7.99	32.88	Average
2	7652.000	54.57	-19.43	74.00	42.78	36.68	7.99	32.88	Peak
3	11570.000	52.86	-1.14	54.00	37.53	39.23	8.57	32.47	Average
4	11570.000	67.42	-6.58	74.00	52.09	39.23	8.57	32.47	Peak
5	17355.000	62.94	-5.26	68.20	42.87	42.63	9.01	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.

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Tra	Transmitter Radiated Unwanted Emissions (Above 1GHz)					
Modulation Mode	11a	Test Freq. (MHz)	5785			
N _{TX}	3	Polarization	Н			

Report No.: FR582836AN



Freq	Level	0.000	77.7				The state of the s	
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-
7685.000	41.85	-12.15	54.00	30.03	36.72	7.99	32.89	Average
7685.000	54.57	-19.43	74.00	42.75	36.72	7.99	32.89	Peak
11570.000	50.75	-3.25	54.00	35.42	39.23	8.57	32.47	Average
11570.000	65.78	-8.22	74.00	50.45	39.23	8.57	32.47	Peak
17355.000	61.95	-6.25	68.20	41.88	42.63	9.01	31.57	Peak
	7685.000 7685.000 11570.000 11570.000	MHz dBuV/m 7685.000 41.85 7685.000 54.57 11570.000 50.75 11570.000 65.78	Freq Level Limit MHz dBuV/m dB 7685.000 41.85 -12.15 7685.000 54.57 -19.43 11570.000 50.75 -3.25 11570.000 65.78 -8.22	Freq Level Limit Line MHz dBuV/m dB dBuV/m 7685.000 41.85 -12.15 54.00 7685.000 54.57 -19.43 74.00 11570.000 50.75 -3.25 54.00 11570.000 65.78 -8.22 74.00	Freq Level Limit Line Level MHz dBuV/m dB dBuV/m dBuV 7685.000 41.85 -12.15 54.00 30.03 7685.000 54.57 -19.43 74.00 42.75 11570.000 50.75 -3.25 54.00 35.42 11570.000 65.78 -8.22 74.00 50.45	Freq Level Limit Line Level Factor MHz dBuV/m dB dBuV/m dBuV dB/m 7685.000 41.85 -12.15 54.00 30.03 36.72 7685.000 54.57 -19.43 74.00 42.75 36.72 11570.000 50.75 -3.25 54.00 35.42 39.23	Freq Level Limit Line Level Factor Loss MHz dBuV/m dB dBuV/m dBuV dB/m dB 7685.000 41.85 -12.15 54.00 30.03 36.72 7.99 7685.000 54.57 -19.43 74.00 42.75 36.72 7.99 11570.000 50.75 -3.25 54.00 35.42 39.23 8.57 11570.000 65.78 -8.22 74.00 50.45 39.23 8.57	Freq Level Limit Line Level Factor Loss Factor MHz dBuV/m dB dBuV/m dBuV dB/m dB dB 7685.000 41.85 -12.15 54.00 30.03 36.72 7.99 32.89 7685.000 54.57 -19.43 74.00 42.75 36.72 7.99 32.89 11570.000 50.75 -3.25 54.00 35.42 39.23 8.57 32.47 11570.000 65.78 -8.22 74.00 50.45 39.23 8.57 32.47

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.

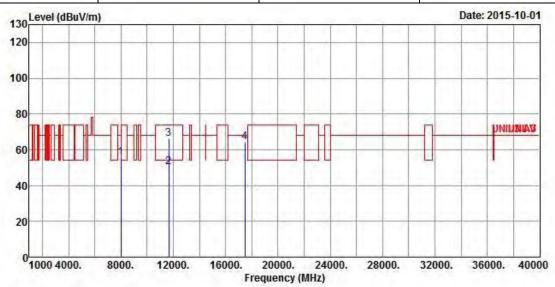
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.

Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

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Tra	nsmitter Radiated Unwan	ted Emissions (Above 1G	Hz)
Modulation Mode	11a	Test Freq. (MHz)	5825
N_{TX}	3	Polarization	V

Report No.: FR582836AN



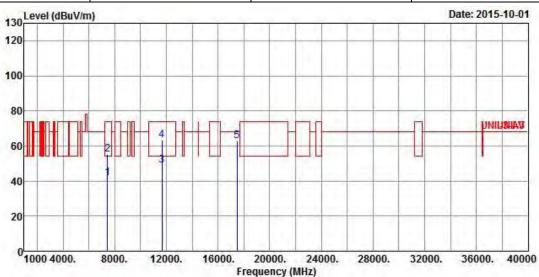
Freq	Level							Remark
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
7998.000	55.88	-12.32	68.20	43.62	37.10	8.10	32.94	Peak
11650.000	50.56	-3.44	54.00	35.09	39.26	8.69	32.48	Average
11650.000	65.97	-8.03	74.00	50.50	39.26	8.69	32.48	Peak
17475.000	64.51	-3.69	68.20	43.62	43.54	8.96	31.61	Peak
	7998.000 11650.000 11650.000	MHz dBuV/m 7998.000 55.88 11650.000 50.56 11650.000 65.97	Freq Level Limit MHz dBuV/m dB 7998.000 55.88 -12.32 11650.000 50.56 -3.44 11650.000 65.97 -8.03	Freq Level Limit Line MHz dBuV/m dB dBuV/m 7998.000 55.88 -12.32 68.20 11650.000 50.56 -3.44 54.00 11650.000 65.97 -8.03 74.00	Freq Level Limit Line Level MHz dBuV/m dB dBuV/m dBuV 7998.000 55.88 -12.32 68.20 43.62 11650.000 50.56 -3.44 54.00 35.09 11650.000 65.97 -8.03 74.00 50.50	Freq Level Limit Line Level Factor MHz dBuV/m dB dBuV/m dBuV dB/m	Freq Level Limit Line Level Factor Loss MHz dBuV/m dB dBuV/m dBuV dB/m dB 7998.000 55.88 -12.32 68.20 43.62 37.10 8.10 11650.000 50.56 -3.44 54.00 35.09 39.26 8.69 11650.000 65.97 -8.03 74.00 50.50 39.26 8.69	7998.000 55.88 -12.32 68.20 43.62 37.10 8.10 32.94 11650.000 50.56 -3.44 54.00 35.09 39.26 8.69 32.48 11650.000 65.97 -8.03 74.00 50.50 39.26 8.69 32.48

- 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.

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Tra	nsmitter Radiated Unwan	ted Emissions (Above 1G	Hz)
Modulation Mode	11a	Test Freq. (MHz)	5825
N_{TX}	3	Polarization	Н

Report No.: FR582836AN



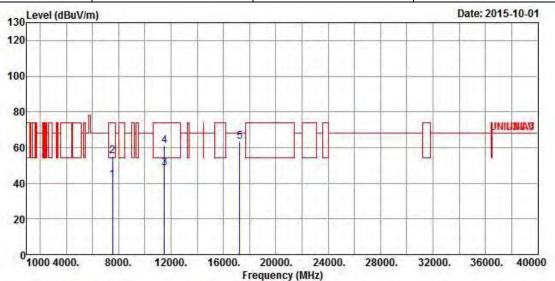
Freq	Level	Over Limit						Remark
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
7452.000	41.72	-12.28	54.00	30.23	36.41	7.93	32.85	Average
7452.000	55.11	-18.89	74.00	43.62	36.41	7.93	32.85	Peak
11650.000	48.97	-5.03	54.00	33.50	39.26	8.69	32.48	Average
11650.000	63.42	-10.58	74.00	47.95	39.26	8.69	32.48	Peak
17475.000	63.03	-5.17	68.20	42.14	43.54	8.96	31.61	Peak
	7452.000 7452.000 11650.000 11650.000	MHz dBuV/m 7452.000 41.72 7452.000 55.11 11650.000 48.97 11650.000 63.42	Freq Level Limit MHz dBuV/m dB 7452.000 41.72 -12.28 7452.000 55.11 -18.89 11650.000 48.97 -5.03 11650.000 63.42 -10.58	Freq Level Limit Line MHz dBuV/m dB dBuV/m 7452.000 41.72 -12.28 54.00 7452.000 55.11 -18.89 74.00 11650.000 48.97 -5.03 54.00 11650.000 63.42 -10.58 74.00	Freq Level Limit Line Level MHz dBuV/m dB dBuV/m dBuV 7452.000 41.72 -12.28 54.00 30.23 7452.000 55.11 -18.89 74.00 43.62 11650.000 48.97 -5.03 54.00 33.50 11650.000 63.42 -10.58 74.00 47.95	Freq Level Limit Line Level Factor MHz dBuV/m dB dBuV/m dBuV dB/m 7452.000 41.72 -12.28 54.00 30.23 36.41 7452.000 55.11 -18.89 74.00 43.62 36.41 11650.000 48.97 -5.03 54.00 33.50 39.26 11650.000 63.42 -10.58 74.00 47.95 39.26	Freq Level Limit Line Level Factor Loss MHz dBuV/m dB dBuV/m dBuV dB/m dB 7452.000 41.72 -12.28 54.00 30.23 36.41 7.93 7452.000 55.11 -18.89 74.00 43.62 36.41 7.93 11650.000 48.97 -5.03 54.00 33.50 39.26 8.69 11650.000 63.42 -10.58 74.00 47.95 39.26 8.69	Freq Level Limit Line Level Factor Loss Factor MHz dBuV/m dB dBuV/m dBuV dB/m dB dB 7452.000 41.72 -12.28 54.00 30.23 36.41 7.93 32.85 7452.000 55.11 -18.89 74.00 43.62 36.41 7.93 32.85 11650.000 48.97 -5.03 54.00 33.50 39.26 8.69 32.48 11650.000 63.42 -10.58 74.00 47.95 39.26 8.69 32.48

- 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.

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Transmitter Radiated Unwanted Emissions (Above 1GHz)							
Modulation Mode	HT20	Test Freq. (MHz)	5745				
N _{TX}	3	Polarization	V				

Report No.: FR582836AN



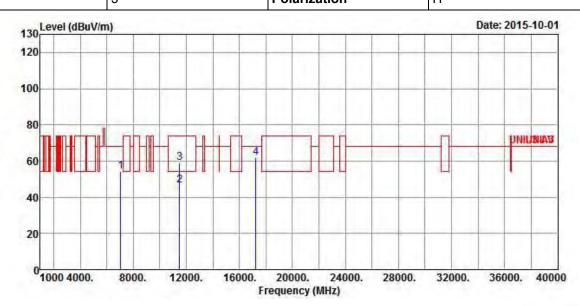
	Freq	Level		Limit Line				SELECTION YEAR IS	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7532.000	41.87	-12.13	54.00	30.25	36.54	7.94	32.86	Average
2	7532.000	55.24	-18.76	74.00	43.62	36.54	7.94	32.86	Peak
3	11490.000	48.41	-5.59	54.00	33.24	39.18	8.45	32.46	Average
4	11490.000	60.79	-13.21	74.00	45.62	39.18	8.45	32.46	Peak
5	17235.000	63.18	-5.02	68.20	43.95	41.72	9.05	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.

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Tra	ansmitter Radiated Unwan	ited Emissions (Above 1G	iHz)
Modulation Mode	HT20	Test Freq. (MHz)	5745
N	3	Polarization	н

Report No.: FR582836AN



	Freq	Level				Antenna Factor			Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7052.000	54.16	-14.04	68.20	43.67	35.33	7.88	32.72	Peak
2	11490.000	46.68	-7.32	54.00	31.51	39.18	8.45	32.46	Average
3	11490.000	58.78	-15.22	74.00	43.61	39.18	8.45	32.46	Peak
4	17235.000	62.12	-6.08	68.20	42.89	41.72	9.05	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.

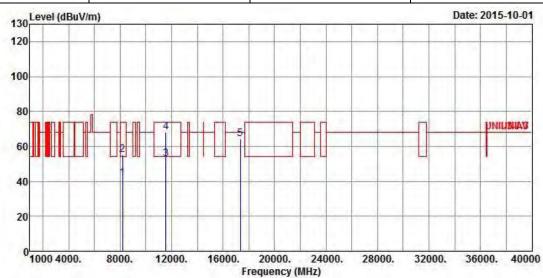
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.

Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

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Transmitter Radiated Unwanted Emissions (Above 1GHz)							
Modulation Mode	HT20	Test Freq. (MHz)	5785				
N _{TX}	3	Polarization	V				

Report No.: FR582836AN



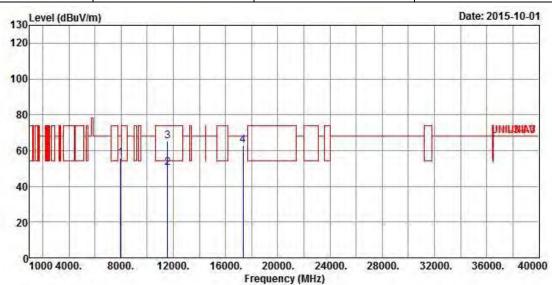
	Freq	Level	Over Limit			Antenna Factor		Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	8214.000	41.95	-12.05	54.00	29.51	37.35	8.03	32.94	Average
2	8214.000	55.17	-18.83	74.00	42.73	37.35	8.03	32.94	Peak
3	11570.000	52.92	-1.08	54.00	37.59	39.23	8.57	32.47	Average
4	11570.000	68.20	-5.80	74.00	52.87	39.23	8.57	32.47	Peak
5	17355.000	64.07	-4.13	68.20	44.00	42.63	9.01	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.

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Tra	Transmitter Radiated Unwanted Emissions (Above 1GHz)							
Modulation Mode	HT20	Test Freq. (MHz)	5785					
N_{TX}	3	Polarization	Н					

Report No.: FR582836AN



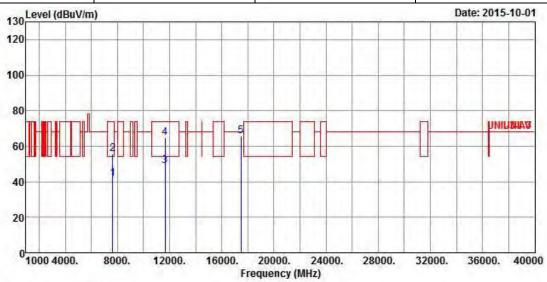
	Freq	Level		Limit Line					Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	V
1	7985.000	55.49	-12.71	68.20	43.25	37.08	8.10	32.94	Peak
2	11570.000	50.35	-3.65	54.00	35.02	39.23	8.57	32.47	Average
3	11570.000	65.36	-8.64	74.00	50.03	39.23	8.57	32.47	Peak
4	17355.000	63.05	-5.15	68.20	42.98	42.63	9.01	31.57	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.

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Transmitter Radiated Unwanted Emissions (Above 1GHz)							
Modulation Mode	HT20	Test Freq. (MHz)	5825				
N_{TX}	3	Polarization	V				

Report No.: FR582836AN



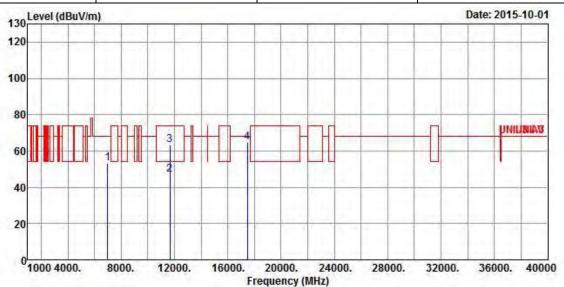
	Freq	Level	Over Limit			Antenna Factor			
-	MHz	dBuV/m	m dB	dBuV/m	dBuV	dB/m	— dB	——dB	
1	7652.000	41.81	-12.19	54.00	30.02	36.68	7.99	32.88	Average
2				74.00				32.88	
3	11650.000	48.93	-5.07	54.00	33.46	39.26	8.69	32.48	Average
4	11650.000	64.54	-9.46	74.00	49.07	39.26	8.69	32.48	Peak
5	17475.000	65.91	-2.29	68.20	45.02	43.54	8.96	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.

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Transmitter Radiated Unwanted Emissions (Above 1GHz)							
Modulation Mode	HT20	Test Freq. (MHz)	5825				
N_{TX}	3	Polarization	Н				

Report No.: FR582836AN



	Freq	Over Freq Level Limit			Limit ReadAn				Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-	-
1	7002.000	53.21	-14.99	68.20	42.85	35.20	7.87	32.71	Peak	
2	11650.000	46.98	-7.02	54.00	31.51	39.26	8.69	32.48	Average	
3	11650.000	63.09	-10.91	74.00	47.62	39.26	8.69	32.48	Peak	
4	17475.000	64.91	-3.29	68.20	44.02	43.54	8.96	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.

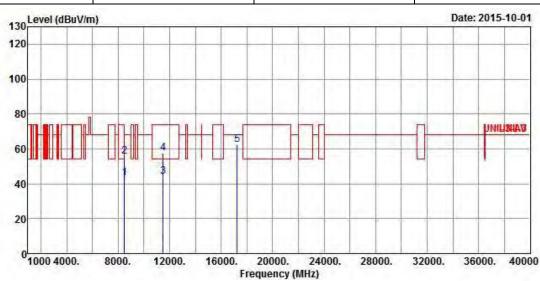
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.

Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

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Transmitter Radiated Unwanted Emissions (Above 1GHz)						
Modulation Mode	HT40	Test Freq. (MHz)	5755			
N _{TX}	3	Polarization	V			

Report No.: FR582836AN



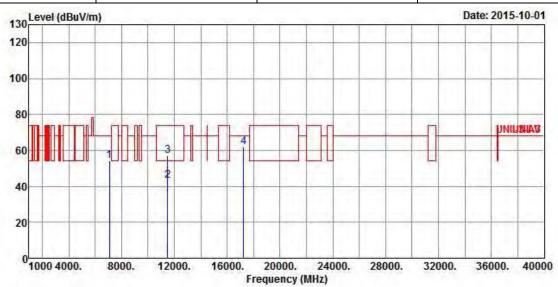
	Freq	Level	Over Limit			Antenna Factor			Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	8496.000	42.95	-11.05	54.00	30.25	37.70	7.94	32.94	Average
2	8496.000	55.57	-18.43	74.00	42.87	37.70	7.94	32.94	Peak
3	11510.000	44.18	-9.82	54.00	28.99	39.20	8.45	32.46	Average
4	11510.000	57.33	-16.67	74.00	42.14	39.20	8.45	32.46	Peak
5	17265.000	62.49	-5.71	68.20	43.03	41.98	9.03	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.

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Transmitter Radiated Unwanted Emissions (Above 1GHz)							
Modulation Mode	HT40	Test Freq. (MHz)	5755				
N _{TX}	3	Polarization	Н				

Report No.: FR582836AN



	Freq	Level	Over Limit	Limit Line		Antenna Factor			Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7085.000	54.18	-14.02	68.20	43.62	35.42	7.88	32.74	Peak
2	11510.000	43.22	-10.78	54.00	28.03	39.20	8.45	32.46	Average
3	11510.000	57.17	-16.83	74.00	41.98	39.20	8.45	32.46	Peak
4	17265.000	62.01	-6.19	68.20	42.55	41.98	9.03	31.55	Peak

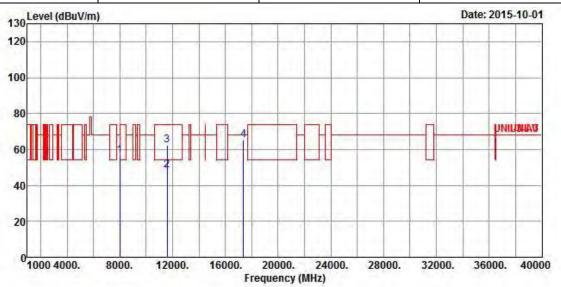
- Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
- Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
- Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
- Note 4: For restricted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

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Transmitter Radiated Unwanted Emissions (Above 1GHz)						
Modulation Mode	HT40	Test Freq. (MHz)	5795			
N_{TX}	3	Polarization	V			

Report No.: FR582836AN



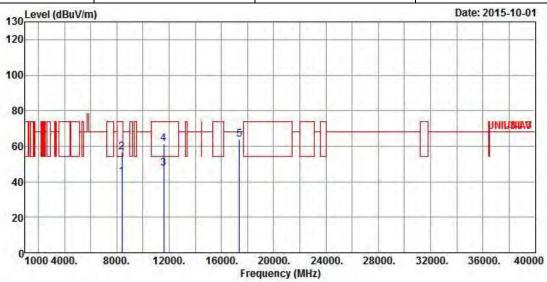
	Freq	Level	Over Limit	Limit Line		Antenna Factor			Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	8009.000	56.45	-11.75	68.20	44.20	37.10	8.09	32.94	Peak
2	11590.000	48.38	-5.62	54.00	32.99	39.23	8.63	32.47	Average
3	11590.000	62.47	-11.53	74.00	47.08	39.23	8.63	32.47	Peak
4	17385.000	65.28	-2.92	68.20	44.99	42.89	8.99	31.59	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.

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Transmitter Radiated Unwanted Emissions (Above 1GHz)						
Modulation Mode	HT40	Test Freq. (MHz)	5795			
N_{TX}	3	Polarization	Н			



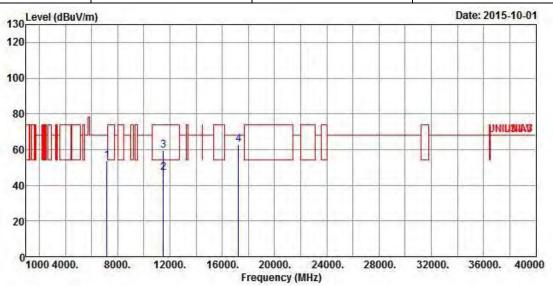
	Freq	Level	Over Limit	Limit Line		Antenna Factor		100	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	8396.000	42.85	-11.15	54.00	30.25	37.58	7.96	32.94	Average
2	8396.000	56.58	-17.42	74.00	43.98	37.58	7.96	32.94	Peak
3	11590.000	47.40	-6.60	54.00	32.01	39.23	8.63	32.47	Average
4	11590.000	61.38	-12.62	74.00	45.99	39.23	8.63	32.47	Peak
5	17385.000	63.77	-4.43	68.20	43.48	42.89	8.99	31.59	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.

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Transmitter Radiated Unwanted Emissions (Above 1GHz)							
Modulation Mode	VHT20	Test Freq. (MHz)	5745				
N _{TX}	3	Polarization	V				

Report No.: FR582836AN



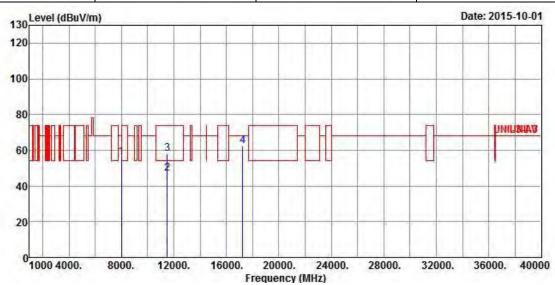
	T=2.53			Limit				10 E E E E E E E E	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Kemark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7196.000	53.56	-14.64	68.20	42.74	35.69	7.90	32.77	Peak
2	11490.000	47.18	-6.82	54.00	32.01	39.18	8.45	32.46	Average
3	11490.000	59.68	-14.32	74.00	44.51	39.18	8.45	32.46	Peak
4	17235.000	63.08	-5.12	68.20	43.85	41.72	9.05	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.

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Transmitter Radiated Unwanted Emissions (Above 1GHz)						
Modulation Mode	VHT20	Test Freq. (MHz)	5745			
N_{TX}	3	Polarization	Н			

Report No.: FR582836AN



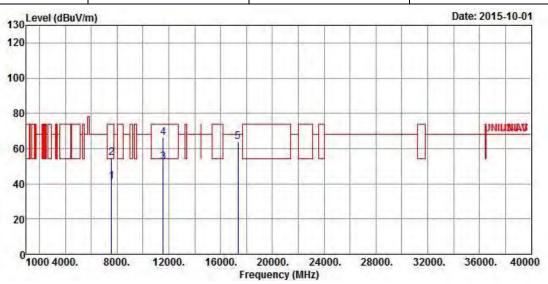
	Freq	Level		Limit Line					Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		
1	8003.000	55.99	-12.21	68.20	43.74	37.10	8.09	32.94	Peak	
2	11490.000	47.17	-6.83	54.00	32.00	39.18	8.45	32.46	Average	
3	11490.000	58.23	-15.77	74.00	43.06	39.18	8.45	32.46	Peak	
4	17235.000	62.21	-5.99	68.20	42.98	41.72	9.05	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.

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Tra	ansmitter Radiated Unwan	ted Emissions (Above 1G	Hz)
Modulation Mode	VHT20	Test Freq. (MHz)	5785
N _{TX}	3	Polarization	V



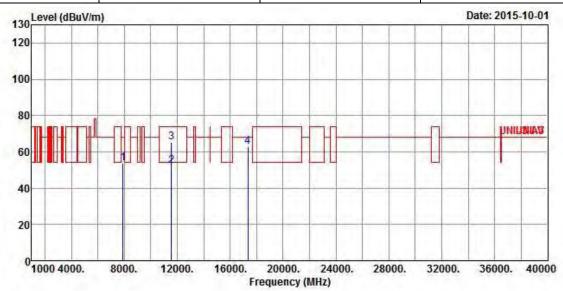
	Freq	Level	Over Limit			Antenna Factor		Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7585.000	41.32	-12.68	54.00	29.62	36.60	7.97	32.87	Average
2	7585.000	54.53	-19.47	74.00	42.83	36.60	7.97	32.87	Peak
3	11570.000	52.39	-1.61	54.00	37.06	39.23	8.57	32.47	Average
4	11570.000	66.32	-7.68	74.00	50.99	39.23	8.57	32.47	Peak
5	17355.000	63.91	-4.29	68.20	43.84	42.63	9.01	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.

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FCC Test Report No.: FR582836AN

Tra	ınsmitter Radiated Unwan	ted Emissions (Above 1G	Hz)					
Modulation Mode	Modulation Mode VHT20 Test Freq. (MHz) 5785							
N _{TX}	3	Polarization	Н					



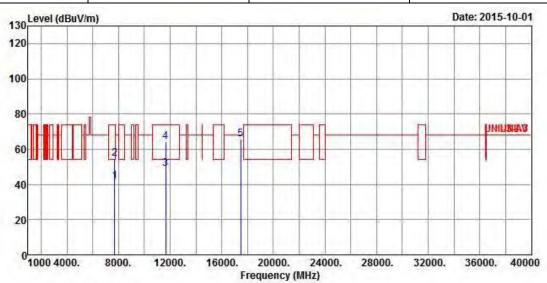
	Freq	Level				Antenna Factor		THE STATE OF THE PARTY.	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7895.000	53.65	-14.55	68.20	41.52	36.98	8.07	32.92	Peak
2	11570.000	52.31	-1.69	54.00	36.98	39.23	8.57	32.47	Average
3	11570.000	65.18	-8.82	74.00	49.85	39.23	8.57	32.47	Peak
4	17355.000	62.95	-5.25	68.20	42.88	42.63	9.01	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.

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Tra	Transmitter Radiated Unwanted Emissions (Above 1GHz)						
Modulation Mode	VHT20	Test Freq. (MHz)	5825				
N_{TX}	3	Polarization	V				

Report No.: FR582836AN



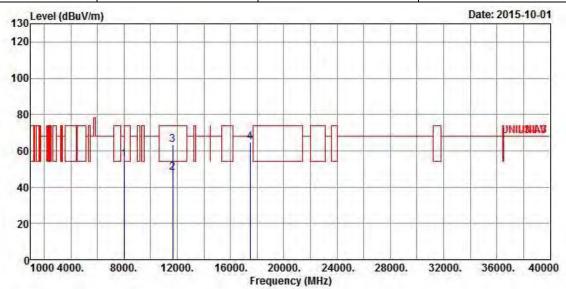
	Freq	Level	Over Limit	Limit Line		Antenna Factor			Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7695.000	41.83	-12.17	54.00	29.97	36.74	8.01	32.89	Average
2	7695.000	54.59	-19.41	74.00	42.73	36.74	8.01	32.89	Peak
3	11650.000	48.69	-5.31	54.00	33.22	39.26	8.69	32.48	Average
4	11650.000	64.42	-9.58	74.00	48.95	39.26	8.69	32.48	Peak
5	17475.000	65.67	-2.53	68.20	44.78	43.54	8.96	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.

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FCC Test Report No.: FR582836AN

Tra	nsmitter Radiated Unwan	ted Emissions (Above 1G	Hz)
Modulation Mode	VHT20	Test Freq. (MHz)	5825
N_{TX}	3	Polarization	Н



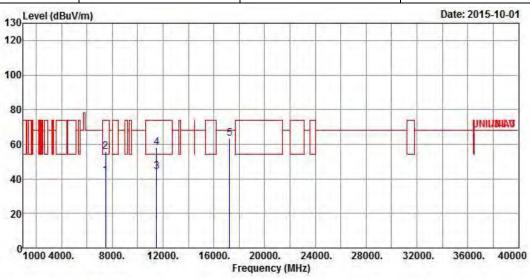
	Freq	Level				Antenna Factor		100 C	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7995.000	55.20	-13.00	68.20	42.96	37.08	8.10	32.94	Peak
2	11650.000	47.87	-6.13	54.00	32.40	39.26	8.69	32.48	Average
3	11650.000	63.09	-10.91	74.00	47.62	39.26	8.69	32.48	Peak
4	17475.000	64.85	-3.35	68.20	43.96	43.54	8.96	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.

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Tra	nsmitter Radiated Unwan	ted Emissions (Above 1G	Hz)
Modulation Mode	VHT40	Test Freq. (MHz)	5755
N_{TX}	3	Polarization	V

Report No.: FR582836AN



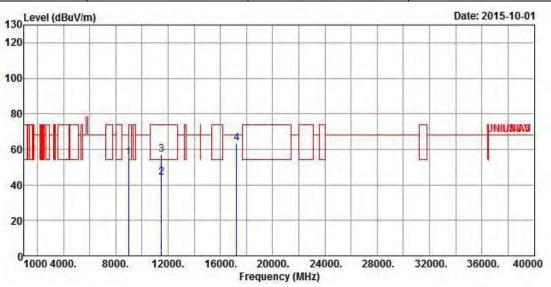
Freq	Level	Over Limit						Remark
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
7485.000	41.51	-12.49	54.00	29.97	36.46	7.93	32.85	Average
7485.000	55.52	-18.48	74.00	43.98	36.46	7.93	32.85	Peak
11510.000	44.20	-9.80	54.00	29.01	39.20	8.45	32.46	Average
11510.000	57.94	-16.06	74.00	42.75	39.20	8.45	32.46	Peak
17265.000	63.46	-4.74	68.20	44.00	41.98	9.03	31.55	Peak
	7485.000 7485.000 11510.000 11510.000	MHz dBuV/m 7485.000 41.51 7485.000 55.52 11510.000 44.20 11510.000 57.94	Freq Level Limit MHz dBuV/m dB 7485.000 41.51 -12.49 7485.000 55.52 -18.48 11510.000 44.20 -9.80 11510.000 57.94 -16.06	Freq Level Limit Line MHz dBuV/m dB dBuV/m 7485.000 41.51 -12.49 54.00 7485.000 55.52 -18.48 74.00 11510.000 44.20 -9.80 54.00 11510.000 57.94 -16.06 74.00	Freq Level Limit Line Level MHz dBuV/m dB dBuV/m dBuV 7485.000 41.51 -12.49 54.00 29.97 7485.000 55.52 -18.48 74.00 43.98 11510.000 44.20 -9.80 54.00 29.01 11510.000 57.94 -16.06 74.00 42.75	Freq Level Limit Line Level Factor MHz dBuV/m dB dBuV/m dBuV dB/m 7485.000 41.51 -12.49 54.00 29.97 36.46 7485.000 55.52 -18.48 74.00 43.98 36.46 11510.000 44.20 -9.80 54.00 29.01 39.20 11510.000 57.94 -16.06 74.00 42.75 39.20	Freq Level Limit Line Level Factor Loss MHz dBuV/m dB dBuV/m dBuV dB/m dB 7485.000 41.51 -12.49 54.00 29.97 36.46 7.93 7485.000 55.52 -18.48 74.00 43.98 36.46 7.93 11510.000 44.20 -9.80 54.00 29.01 39.20 8.45 11510.000 57.94 -16.06 74.00 42.75 39.20 8.45	Freq Level Limit Line Level Factor Loss Factor MHz dBuV/m dB dBuV/m dBuV dB/m dB dB 7485.000 41.51 -12.49 54.00 29.97 36.46 7.93 32.85 7485.000 55.52 -18.48 74.00 43.98 36.46 7.93 32.85 11510.000 44.20 -9.80 54.00 29.01 39.20 8.45 32.46 11510.000 57.94 -16.06 74.00 42.75 39.20 8.45 32.46

- 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.

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Tra	nsmitter Radiated Unwan	ted Emissions (Above 1G	Hz)
Modulation Mode	VHT40	Test Freq. (MHz)	5755
N_{TX}	3	Polarization	Н

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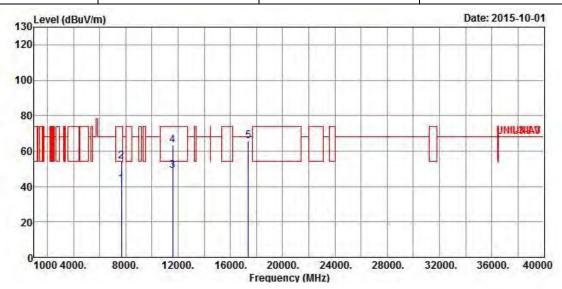
	Freq	Level		Limit Line				THE PERSON NAMED IN	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	8989.000	55.10	-13.10	68.20	42.46	37.80	7.94	33.10	Peak
2	11510.000	43.97	-10.03	54.00	28.78	39.20	8.45	32.46	Average
3	11510.000	57.20	-16.80	74.00	42.01	39.20	8.45	32.46	Peak
4	17265.000	63.36	-4.84	68.20	43.90	41.98	9.03	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.

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Transmitter Radiated Unwanted Emissions (Above 1GHz)									
Modulation Mode	VHT40	Test Freq. (MHz)	5795						
N _{TX}	3	Polarization	V						

Report No.: FR582836AN



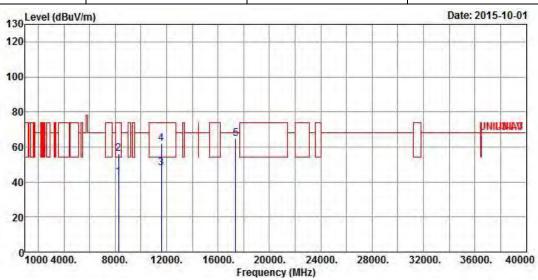
	Freq	Level	Over Limit	7. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.		Antenna Factor		1	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-
1	7685.000	41.46	-12.54	54.00	29.64	36.72	7.99	32.89	Average
2	7685.000	54.45	-19.55	74.00	42.63	36.72	7.99	32.89	Peak
3	11590.000	48.80	-5.20	54.00	33.41	39.23	8.63	32.47	Average
4	11590.000	63.24	-10.76	74.00	47.85	39.23	8.63	32.47	Peak
5	17385.000	65.52	-2.68	68.20	45.23	42.89	8.99	31.59	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.

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Transmitter Radiated Unwanted Emissions (Above 1GHz)									
Modulation Mode	VHT40	Test Freq. (MHz)	5795						
N_{TX}	3	Polarization	Н						

Report No.: FR582836AN



	Freq	Level	Over Limit			Antenna Factor		ALL VIOLENCE V	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-
1	8263.000	42.73	-11.27	54.00	30.25	37.41	8.01	32.94	Average
2	8263.000	56.10	-17.90	74.00	43.62	37.41	8.01	32.94	Peak
3	11590.000	47.91	-6.09	54.00	32.52	39.23	8.63	32.47	Average
4	11590.000	61.80	-12.20	74.00	46.41	39.23	8.63	32.47	Peak
5	17385.000	64.65	-3.55	68.20	44.36	42.89	8.99	31.59	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.

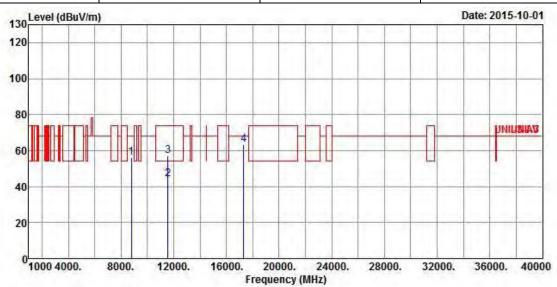
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.

Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

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Transmitter Radiated Unwanted Emissions (Above 1GHz)									
Modulation Mode	VHT80	Test Freq. (MHz)	5775						
N _{TX}	3	Polarization	V						

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	Freq	Level				Antenna Factor		THE RESERVE OF THE PARTY OF THE	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	8795.000	56.18	-12.02	68.20	43.52	37.76	7.94	33.04	Peak
2	11550.000	43.95	-10.05	54.00	28.63	39.22	8.57	32.47	Average
3	11550.000	57.31	-16.69	74.00	41.99	39.22	8.57	32.47	Peak
4	17325.000	63.43	-4.77	68.20	43.61	42.37	9.01	31.56	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.

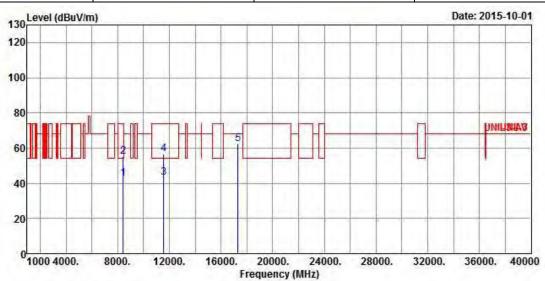
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.

Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

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Tra	Transmitter Radiated Unwanted Emissions (Above 1GHz)									
Modulation Mode	VHT80	Test Freq. (MHz)	5775							
N_{TX}	3	Polarization	Н							

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Freq	Level	7.5.57					100	Remark
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
8442.000	42.91	-11.09	54.00	30.26	37.64	7.95	32.94	Average
8442.000	55.39	-18.61	74.00	42.74	37.64	7.95	32.94	Peak
11550.000	43.34	-10.66	54.00	28.02	39.22	8.57	32.47	Average
11550.000	56.64	-17.36	74.00	41.32	39.22	8.57	32.47	Peak
17325.000	62.55	-5.65	68.20	42.73	42.37	9.01	31.56	Peak
	MHz 8442.000 8442.000 11550.000 11550.000	MHz dBuV/m 8442.000 42.91 8442.000 55.39 11550.000 43.34 11550.000 56.64	Freq Level Limit MHz dBuV/m dB 8442.000 42.91 -11.09 8442.000 55.39 -18.61 11550.000 43.34 -10.66 11550.000 56.64 -17.36	Freq Level Limit Line MHz dBuV/m dB dBuV/m 8442.000 42.91 -11.09 54.00 8442.000 55.39 -18.61 74.00 11550.000 43.34 -10.66 54.00 11550.000 56.64 -17.36 74.00	Freq Level Limit Line Level MHz dBuV/m dB dBuV/m dBuV 8442.000 42.91 -11.09 54.00 30.26 8442.000 55.39 -18.61 74.00 42.74 11550.000 43.34 -10.66 54.00 28.02 11550.000 56.64 -17.36 74.00 41.32	Freq Level Limit Line Level Factor MHz dBuV/m dB dBuV/m dBuV dB/m 8442.000 42.91 -11.09 54.00 30.26 37.64 8442.000 55.39 -18.61 74.00 42.74 37.64 11550.000 43.34 -10.66 54.00 28.02 39.22 11550.000 56.64 -17.36 74.00 41.32 39.22	Freq Level Limit Line Level Factor Loss MHz dBuV/m dB dBuV/m dBuV dB/m dB 8442.000 42.91 -11.09 54.00 30.26 37.64 7.95 8442.000 55.39 -18.61 74.00 42.74 37.64 7.95 11550.000 43.34 -10.66 54.00 28.02 39.22 8.57 11550.000 56.64 -17.36 74.00 41.32 39.22 8.57	Freq Level Limit Line Level Factor Loss Factor MHz dBuV/m dB dBuV/m dBuV dB/m dB dB 8442.000 42.91 -11.09 54.00 30.26 37.64 7.95 32.94 8442.000 55.39 -18.61 74.00 42.74 37.64 7.95 32.94 11550.000 43.34 -10.66 54.00 28.02 39.22 8.57 32.47 11550.000 56.64 -17.36 74.00 41.32 39.22 8.57 32.47

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.

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3.7 Frequency Stability

3.7.1 Frequency Stability Limit

	Frequency Stability Limit							
UN	II Devices							
\boxtimes	In-band emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.							
IEE	EE Std. 802.11n-2009							
\boxtimes	The transmitter center frequency tolerance shall be \pm 20 ppm maximum for the 5 GHz band and \pm 25 ppm maximum for the 2.4 GHz band.							

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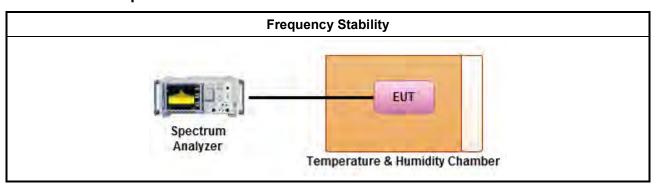
3.7.2 Measuring Instruments

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

3.7.3 Test Procedures

	Test Method										
\boxtimes	Refer as ANSI C63.10, clause 6.8 for frequency stability tests										
	□ Frequency stability with respect to ambient temperature										
	\boxtimes	Frequency stability when varying supply voltage									
\boxtimes	For	conducted measurement.									
	\boxtimes	For conducted measurements on devices with multiple transmit chains: Measurements need only to be performed on one of the active transmit chains (antenna outputs)									
		radiated measurement. The equipment to be measured and the test antenna shall be oriented to in the maximum emitted power level.									

3.7.4 Test Setup



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3.7.5 Test Result of Frequency Stability

	Frequency Stability Result											
Мо	de	Frequency Stability (ppm)										
Condition	Freq. (MHz)	0 min	2 min	5 min	10 min							
T _{20°C} Vmax	5180	2.8494	1.3417	0.9228	0.6699							
$T_{20^{\circ}C}Vmin$	5180	2.5135	1.0888	0.7548	0.5019							
T _{50°C} Vnom	5180	2.1795	3.4363	5.0290	6.7046							
T _{40°C} Vnom	5180 5180	0.5019	1.8436	3.5193	4.7780							
T _{30°C} Vnom		_{30°C} Vnom 5180	1.1737	0.7548	1.2568	1.9286						
T _{20°C} Vnom	5180	2.6815	1.2568	0.8378	0.5869							
$T_{10^{\circ}C}Vnom$	5180	4.1911	2.3475	1.4247	0.6699							
$T_{0^{\circ}C}Vnom$	5180	6.6467	5.1969	3.7722	2.2625							
T _{-10°C} Vnom	5180	7.1236	5.9498	5.1969	3.6042							
T _{-20°C} Vnom	5180	7.2915	5.8668	5.3649	4.6100							
Limit (ppm)	±20										
Res	ult	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.

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4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
EMC Receiver	R&S	ESCS 30	100174	9kHz ~ 2.75GHz	Apr. 15. 2015	AC Conduction
LISN	SCHWARZBECK MESS-ELEKTRONIK	NSLK 8127	8127-477	9kHz ~ 30MHz	Jan. 22, 2015	AC Conduction
RF Cable-CON	HUBER+SUHNER	RG213/U	07611832020001	9kHz ~ 30MHz	Oct. 31, 2014	AC Conduction
EMI Filter	LINDGREN	LRE-2030	2651	< 450 Hz	NCR	AC Conduction

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Note: Calibration Interval of instruments listed above is one year.

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Spectrum Analyzer	R&S	FSV 40	101500	9KHz~40GHz	May 06, 2015	RF Conducted
Temp. and Humidity Chamber	Giant Force	GTH-225-20-SP-SD	MAA1112-007	-20 ~ 100℃	Apr. 07, 2015	RF Conducted
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	Jul. 28, 2015	RF Conducted
AC Power Source	G.W	APS-9102	EL920581	AC 0V ~ 300V	Jun. 22, 2015	RF Conducted

Note: Calibration Interval of instruments listed above is one year.

Radiated Emission (Below 1GHz)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz ~ 1GHz 3m	Nov. 30, 2013	Radiation
Amplifier	HP	8447D	2944A08033	10kHz ~ 1.3GHz	May 05, 2014	Radiation
Spectrum	R&S	FSP40	100004	9kHz ~ 40GHz	Mar. 27, 2014	Radiation
Bilog Antenna	SCHAFFNER	CBL 6112D	22237	30MHz ~ 1GHz	Sep. 21, 2013	Radiation
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170154	15GHz ~ 40GHz	Jan. 10, 2014	Radiation
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz ~ 1GHz	Nov. 16, 2013	Radiation
Turn Table	EM Electronics	EM Electronics	060615	0 ~ 360 degree	N/A	Radiation
Antenna Mast	MF	MF-7802	MF780208179	1 ~ 4 m	N/A	Radiation

Note: Calibration Interval of instruments listed above is one year.

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Loop Antenna	TESEQ	HLA 6120	31244	9kHz ~ 30MHz	Dec. 02, 2012	Radiation

Note: Calibration Interval of instruments listed above is two years.

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Radiated Emission (Above 1GHz)

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Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz ~ 6GHz 3m	Dec. 17, 2014	Radiation
Amplifier	HP	8447D	2944A08033	10kHz ~ 1.3GHz	May 11, 2015	Radiation
Amplifier	Agilent	8449B	3008A02120	1GHz ~ 26.5GHz	Sep. 02, 2015	Radiation
Spectrum	R&S	FSP40	100004	9kHz ~ 40GHz	Apr. 02, 2015	Radiation
Horn Antenna	ETS · LINDGREN	3115	6741	1GHz ~ 18GHz	Jul. 15, 2015	Radiation
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170154	18GHz ~ 40GHz	Jan. 27, 2015	Radiation
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz ~ 1GHz	Nov. 15, 2014	Radiation
RF Cable-high	SUHNER	SUCOFLEX 106	03CH03-HY	1GHz ~ 40GHz	Dec. 12, 2014	Radiation
Turn Table	EM Electronics	EM Electronics	060615	0 ~ 360 degree	N/A	Radiation
Antenna Mast	MF	MF-7802	MF780208179	1 ~ 4 m	N/A	Radiation

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Note: Calibration Interval of instruments listed above is two years.

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Amplifier	EMC INSTRUMENTS	EMC184045B	980192	18GHz ~ 40GHz	Aug. 25.2014	Radiation

Note: Calibration Interval of instruments listed above is two years.

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