

Report No.: FR462302-02AN

FCC Test Report

Equipment : AC450 WLAN Band Extender

Brand Name : EDIMAX

Model No. : EW-7288AC / GAP-288AC

FCC ID : NDD9572881411

Standard : 47 CFR FCC Part 15.407

Operating Band : 5250 MHz - 5350 MHz

5470 MHz - 5725 MHz

FCC Classification: NII

Applicant : EDIMAX TECHNOLOGY CO., LTD.

Manufacturer No.3, Wu-Chuan 3rd Road, Wu-Ku Industrial Park,

New Taipei City, Taiwan

Function : ☐ Outdoor AP; ⊠ Indoor AP;

Fixed P2P AP Portable Client

The product sample received on Nov. 20, 2015 and completely tested on Dec. 04, 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 full.

Reviewed by:

Kevin Liang / Assistant Manager

Testing Laboratory
1190

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APPENDIX A. TEST PHOTOS

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Summary of Test Result

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	Conformance Test Specifications					
Report Clause	· I I I I I I I I I					
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.: FR462302-02AN

Report No.	Version	Description	Issued Date
FR462302AN	Rev. 01	Initial issue of report	Aug. 06, 2014
FR462302-02AN	Rev. 01	Add UNII-2A ,UNII-2C band.	Dec. 21, 2015

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1 General Description

1.1 Information

1.1.1 RF General Information

RF General Information (5250-5350)						
Frequency Range (MHz)	IEEE Std. 802.11	Ch. Freq. (MHz)	Channel Number	Transmit Chains (N _{TX})	RF Output Power (dBm)	
5250-5350	а	5260-5320	52-64 [4]	1	19.19	
5250-5350	n (HT20)	5260-5320	52-64 [4]	1	18.91	
5250-5350	n (HT40)	5270-5310	54-62 [2]	1	19.28	
5250-5350	ac (VHT20)	5260-5320	52-64 [4]	1	18.73	
5250-5350	ac (VHT40)	5270-5310	54-62 [2]	1	18.94	
5250-5350	ac (VHT80)	5290	58 [1]	1	16.47	

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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.

RF General Information (5470-5725)						
Frequency Range (MHz)	IEEE Std. 802.11	Ch. Freq. (MHz)	Channel Number	Transmit Chains (N _{TX})	RF Output Power (dBm)	
5470-5725	а	5500-5700	100-140 [11]	1	19.31	
5470-5725	n (HT20)	5500-5700	100-140 [11]	1	18.67	
5470-5725	n (HT40)	5510-5670	102-134 [3]	1	19.21	
5470-5725	ac (VHT20)	5500-5700	100-140 [11]	1	18.47	
5470-5725	ac (VHT40)	5510-5670	102-134 [3]	1	19.42	
5470-5725	ac (VHT80)	5530	106 [2]	1	17.08	

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.

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1.1.2 Antenna Information

••••	2 Antonna informe						
	Antenna Category						
\boxtimes	External antenna (dedicated antennas)						
	Single power level v	vith corresponding antenn	a(s).				
	Multiple power level	and corresponding anten	na(s).				
		Antenna Genera	al Information				
No	. Ant. Cat.	Ant. Type	Ant. Connector	Gain (dBi)			
1	External	Dipole	RP-SMA	2.80			
1.1.	3 Type of EUT						
		Identify	EUT				
EUT	Serial Number	N/A					
Pres	sentation of Equipment	☐ Production; ☐ Pre-	Production; Nototype				
		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 Na	me / Model No.:					
	Other:			_			

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1.1.4 Test Signal Duty Cycle

Operate	Operated Mode for Worst Duty Cycle					
Operated normally mode for worst du	Operated normally mode for worst duty cycle					
○ Operated test mode for worst duty cycle ○ Operated te	cle					
Test Signal Duty Cycle (x) Power Duty Factor [dB] – (10 log 1/x)						
	0.00					
	0.00					
	0.00					
	0.00					
	0.00					
	0.00					

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Note 1: RF Output Power Plots w/o Duty Factor Note 1: Power Density Plots w/o Duty Factor

1.1.5 EUT Operational Condition

Supply Voltage		□ DC	
Type of DC Source	☐ Externa DC supply		
Test Voltage	⊠ Vnom (5 V)		
Test Climatic	⊠ Tnom (20°C)	☐ Tmax (50°C)	☐ Tmin (-20°C)

1.1.6 DFS and TPC Information

The DFS Related Operating Mode(s) of the Equipment						
☐ Master	Master					
☐ Slave with radar detec	tion					
	etection					
Software / Firmware Vers	sion	1.06				
Communication Mode			☐ Frame Based			
IEEE Std. 802.11	Frequency Range (MHz)	TPC (Transmit Power Control)	Active Scan			
a / n (HT20) / ac (VHT20)		No	Yes			
n (HT40) / ac (VHT40)	∑ 5470-5725	No	Yes			
ac (VHT80)	5600-5650	-	-			

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1.2 Accessories and Support Equipment

	Accessories Information					
Adaptor		Brand Name	LUCENT TRANS	Model Name	1A81	
Adapter Power Rating I/P: 100 - 240 Vac, 50/60Hz, 0.2A, O/P: 5 Vdc, ===1A			P: 5 Vdc, ===1A			
	USB Cable	Brand Name	EXTENDING	Model Name	-	
			0.9 meter, shielded cab	le, w/o ferrite o	core	

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

	Support Equipment - AC Conduction							
No.	No. Equipment Brand Name Model Name FCC ID							
1	Notebook	DELL	E5540	DoC				
2	Adapter	DELL	HA65NM130	DoC				

	Support Equipment - RF Conducted and Radiated Emission							
No.	No. Equipment Brand Name Model Name FCC ID							
1	Notebook	DELL	E5530	DoC				
2	Adapter	DELL	LA65NS2-01	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 KDB 662911 v02r01
- FCC-14-30A1-UNII

1.4 Testing Location Information

	Testing Location						
	HWA YA ADD : No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan District, Tao Yuan City, Taiwan, R.O.C.						
	TEL: 886-3-327-3456 FAX: 886-3-327-0973						
Test Condition				Test Site No.	Test Engineer	Test Environment	
AC Conduction				CO04-HY	Anthong	23°C / 58%	
RF Conducted				TH01-HY	Jason	23°C / 63%	
Radiated Emission				03CH03-HY	Joe	24°C / 60%	

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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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ı	Measurement 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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Test Configuration of EUT 2

The Worst Case Modulation Configuration 2.1

Worst Modulation Used for Conformance Testing						
Modulation Mode Transmit Chains (N _{TX}) Data Rate / MCS Worst Data Rate / MCS						
11a	1	6-54Mbps	6 Mbps			
HT20	1	MCS 0-7	MCS 0			
HT40	1	MCS 0-7	MCS 0			
VHT20	1	MCS 0-8	MCS 0			
VHT40	1	MCS 0-9	MCS 0			
VHT80	1	MCS 0-9	MCS 0			

2.2 **The Worst Case Power Setting Parameter**

The W	The Worst Case Power Setting Parameter (5250-5350MHz band)									
Test Software Version		MP_Test_RTL819x 2.3								
		Test Frequency (MHz)								
Modulation Mode	N _{TX}		NCB: 20MH	Z	NCB:	40MHz	NCB: 80MHz			
		5260	5300	5320	5270	5310	5290			
11a	1	57	63	61	-	-	-			
HT20	1	57	63	61	-	-	-			
HT40	1	-	-	-	63	56	-			
VHT20	1	57	63	61	-	-	-			
VHT40	1	-	-	-	63	56	-			
VHT80	1	-	-	-	-	-	52			

The Worst Case Power Setting Parameter (5470-5725MHz band)										
Test Software Version	Test Software Version MP_Test_RTL819x 2.3									
			Test Frequency (MHz)							
Modulation Mode	N _{TX}	NCB: 20MHz			NCB: 40MHz			NCB: 80MHz		
		5500	5580	5700	5510	5550	5670	5530		
11a	1	45	44	29	-	-	-	-		
HT20	1	41	43	31	-	-	-	-		
HT40	1	-	-	-	41	45	34	-		
VHT20	1	41	43	31	-	-	-	-		
VHT40	1	_	_	_	41	48	34	-		
VHT80	1	-	-	-	-	-	-	39		

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2.3 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests					
Tests Item	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 & Transmitter					
2	USB Mode & Transmitter				
For operating mode 1 is the worst case and it was record 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, 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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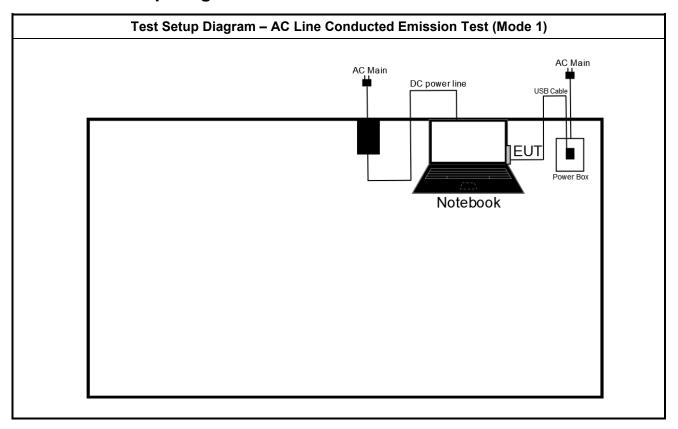
Th	e Worst Case Mode for Following Conformance Tests		
Tests Item	Transmitter Radiated Unwanted Emissions Transmitter Radiated Bandedge Emissions		
Test Condition Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in E regardless of spatial multiplexing MIMO configuration), the radiated test sho be performed with highest antenna gain of each antenna type.			
	⊠ EUT will be placed in fixed position.		
User Position	EUT will be placed in mobile position and operating multiple positions. EUT shall be performed two orthogonal planes.		
	EUT will be a hand-held or body-worn battery-powered devices and operating multiple positions.		
Operating Mode < 1GHz	Operating Mode Description		
1	Adapter Mode & Transmitter		
2	USB Mode & Transmitter		
For operating mode 1 is th	e worst case and it was record in this test report.		
Operating Mode > 1GHz	Adapter Mode & Transmitter		
Modulation Mode	11a, HT20, HT40, VHT20, VHT40, VHT80		
	Z Plane		
Orthogonal Planes of EUT			

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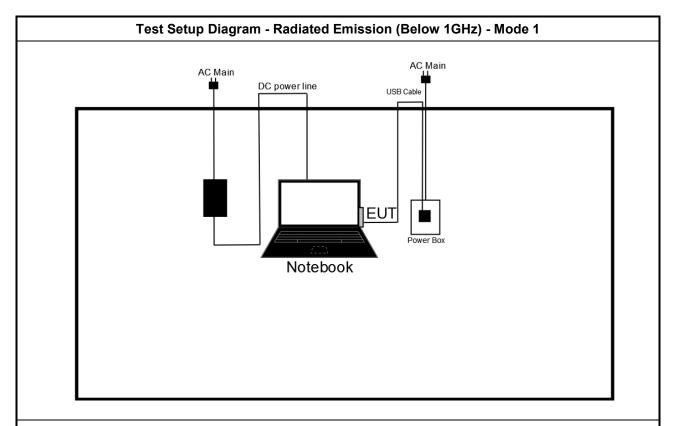
2.4 Test Setup Diagram



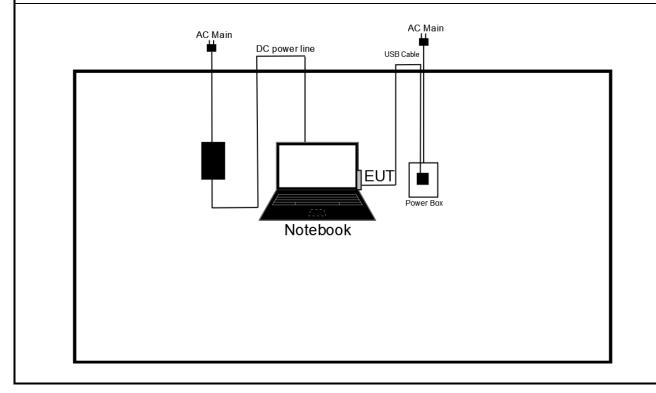
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Test Setup Diagram - Radiated Emission (Above 1GHz)



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3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit			
Frequency Emission (MHz)	Quasi-Peak	Average	
0.15-0.5	66 - 56 *	56 - 46 *	
0.5-5	56	46	
5-30	60	50	

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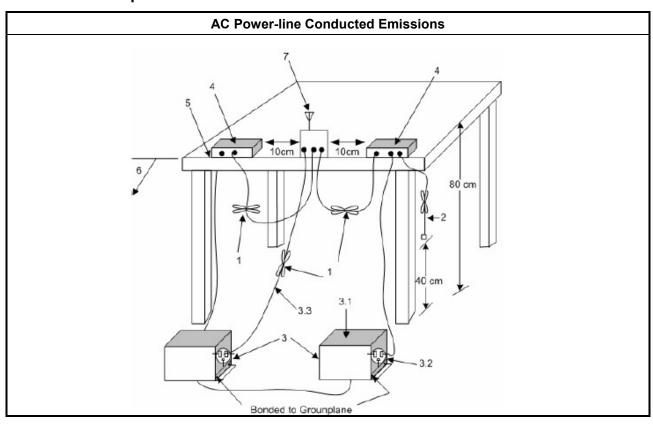
3.1.2 Measuring Instruments

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.	

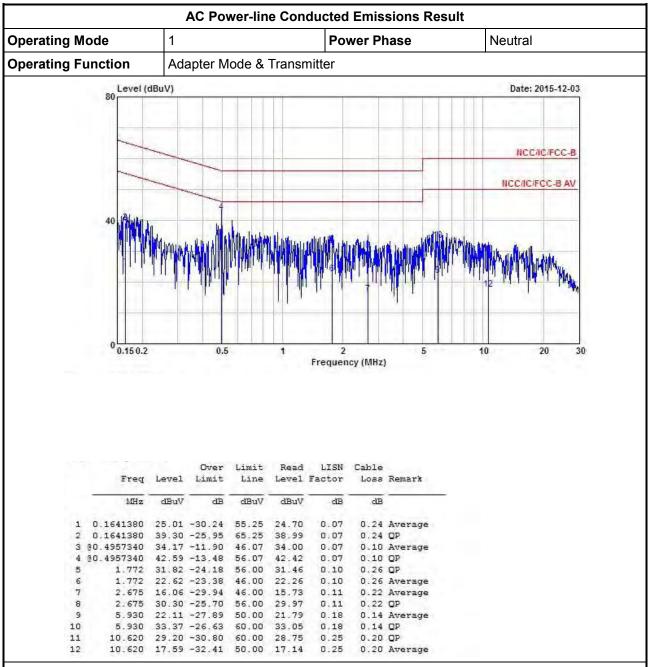
3.1.4 Test Setup



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3.1.5 Test Result of AC Power-line Conducted Emissions



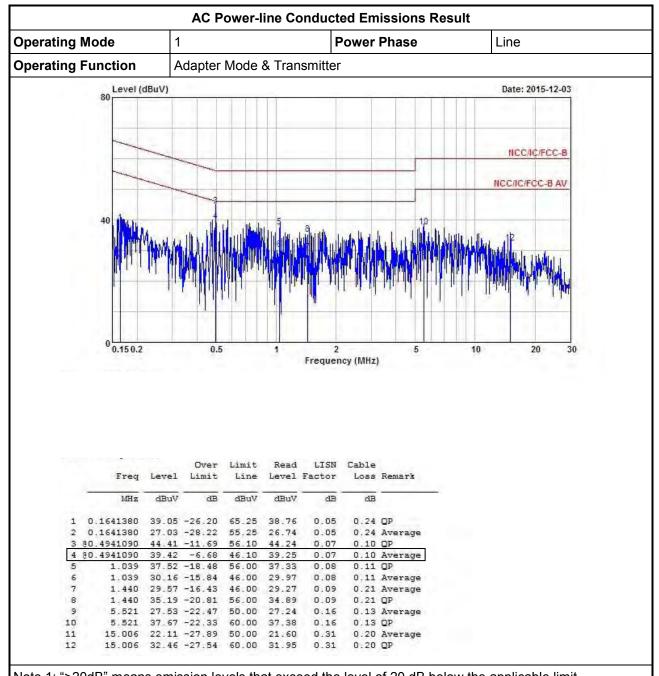
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Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.

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

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Note 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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3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

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

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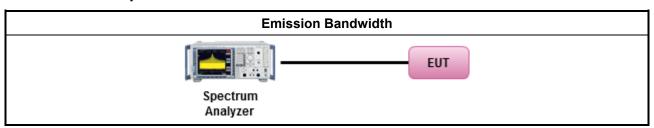
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

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

3.2.4 Test Setup



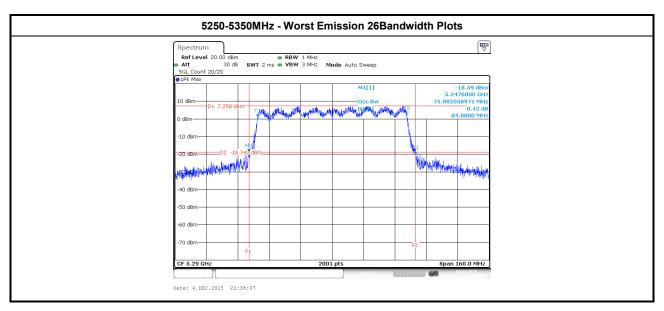
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3.2.5 Test Result of Emission Bandwidth

	UNII Emission Bandwidth Result (5250-5350MHz band)							
Condit	ion		Emission Bandwidth (MHz)					
Modulation Mode	N _{TX}	Freq. (MHz)	99% Bandwidth	26dB Bandwidth				
11a	1	5260	16.59	20.30				
11a	1	5300	17.26	31.95				
11a	1	5320	16.94	28.00				
HT20	1	5260	17.79	20.62				
HT20	1	5300	18.06	28.12				
HT20	1	5320	18.09	28.07				
HT40	1	5270	37.18	69.96				
HT40	1	5310	36.82	51.64				
VHT20	1	5260	17.91	20.97				
VHT20	1	5300	18.21	29.15				
VHT20	1	5320	17.96	28.90				
VHT40	1	5270	37.10	69.20				
VHT40	1	5310	36.86	51.40				
VHT80	1	5290	75.88	84.88				
Resu	lt		Con	nplied				

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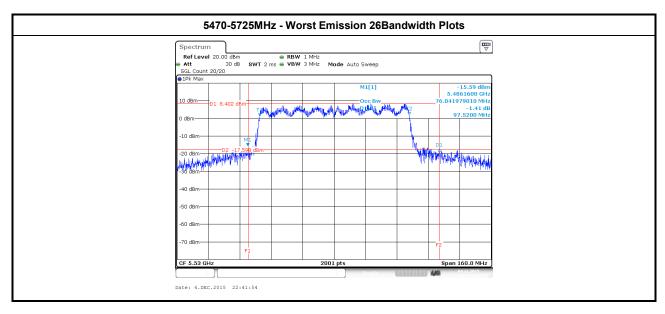


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		UNII Er	nission Bandwidth Result (5470-5725MI	Hz band)		
Condition			Emission Bandwidth (MHz)			
Modulation Mode	N _{TX}	N _{TX} Freq. (MHz)	99% Bandwidth	26dB Bandwidth		
11a	1	5500	17.06	28.67		
11a	1	5580	19.81	34.25		
11a	1	5700	16.76	20.40		
HT20	1	5500	17.64	21.22		
HT20	1	5580	19.84	32.82		
HT20	1	5700	17.79	20.97		
HT40	1	5510	36.78	49.64		
HT40	1	5550	38.90	79.36		
HT40	1	5670	37.22	69.68		
VHT20	1	5500	17.76	20.75		
VHT20	1	5580	19.99	35.90		
VHT20	1	5700	17.66	20.30		
VHT40	1	5510	36.90	51.52		
VHT40	1	5550	39.86	79.56		
VHT40	1	5670	36.98	72.12		
VHT80	1	5530	76.04	97.52		
Resu	ilt		Con	plied		

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3.3 RF Output Power

3.3.1 RF Output Power Limit

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

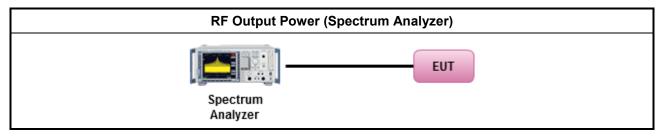
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3.3.3 Test Procedures

		Test Method
\boxtimes	Max	imum Conducted Output Power
	[dut	y cycle ≥ 98% or external video / power trigger]
	\boxtimes	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.
	\boxtimes	The EUT supports single transmit chain and measurements performed on this transmit chain port.
		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



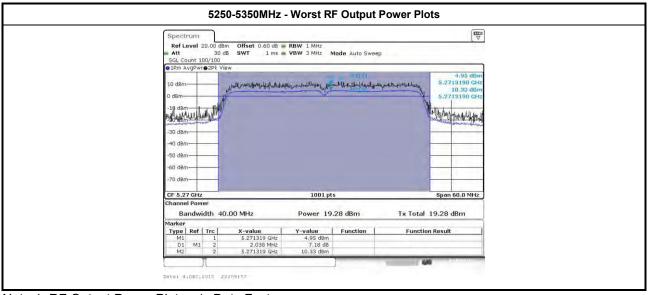
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3.3.5 Test Result of Maximum Conducted Output Power

		Maxim	um Conducted Output Power	(5250-5350MHz band)	
Modulation Mode	N _{TX}	Freq. (MHz)	Output Power (dBm)	Antenna Gain (dBi)	EIRP Power
11a	1	5260	18.36	2.80	21.16
11a	1	5300	19.19	2.80	21.99
11a	1	5320	18.72	2.80	21.52
HT20	1	5260	17.83	2.80	20.63
HT20	1	5300	18.72	2.80	21.52
HT20	1	5320	18.91	2.80	21.71
HT40	1	5270	19.28	2.80	22.08
HT40	1	5310	17.79	2.80	20.59
VHT20	1	5260	17.58	2.80	20.38
VHT20	1	5300	18.73	2.80	21.53
VHT20	1	5320	18.36	2.80	21.16
VHT40	1	5270	18.94	2.80	21.74
VHT40	1	5310	17.63	2.80	20.43
VHT80	1	5290	16.47	2.80	19.27
Resu	ılt		·	Complied	

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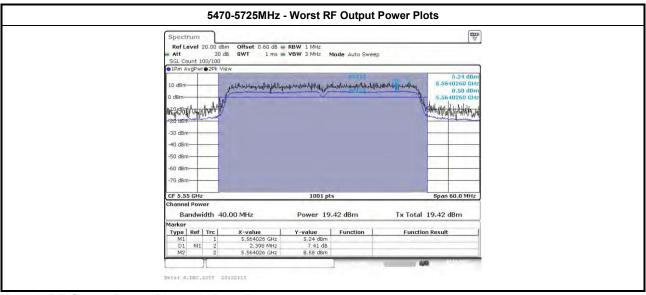


Note 1: RF Output Power Plots w/o Duty Factor.

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Maximum Conducted Output Power (5250-5350MHz band)								
Modulation Mode N _{TX} Freq. (MHz)			Output Power (dBm)	Antenna Gain (dBi)	EIRP Power			
11a	1	5500	17.95	2.80	20.75			
11a	1	5580	19.31	2.80	22.11			
11a	1	5700	15.76	2.80	18.56			
HT20	1	5500	16.65	2.80	19.45			
HT20	1	5580	18.67	2.80	21.47			
HT20	1	5700	17.07	2.80	19.87			
HT40 1 5510		5510	16.87	2.80	19.67			
HT40	1	5550	19.21	2.80	22.01			
HT40	1	5670	17.81	2.80	20.61			
VHT20 1 550		5500	16.61	2.80	19.41			
VHT20	1	5580	18.47	2.80	21.27			
VHT20	1	5700	16.88	2.80	19.68			
VHT40	1	5510	16.96	2.80	19.76			
VHT40	1	5550	19.42	2.80	22.22			
VHT40,	1	5670	17.56	2.80	20.36			
VHT80	1	5530	17.08	2.80	19.88			
VHT80	1	5530	17.95	2.80	20.75			
Resu	ılt			Complied				



Note 1: RF Output Power Plots w/o Duty Factor.

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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	rices
	For	the 5.15-5.25 GHz band:
		Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$.
		Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$.
		Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 23$ dBi, then $P_{Out} = 17 - (G_{TX} - 23)$.
		Mobile or Portable Client: the peak power spectral density (PPSD) \leq 11 dBm/MHz. If $G_{TX} > 6$ dBi, then PPSD= 11 – $(G_{TX} - 6)$
\boxtimes		the 5.25-5.35 GHz band, the peak power spectral density (PPSD) \leq 11 dBm/MHz. If $G_{TX} > 6$ dBi, PPSD= 11 – ($G_{TX} - 6$).
\boxtimes		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).
	For	the 5.725-5.85 GHz band:
		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.

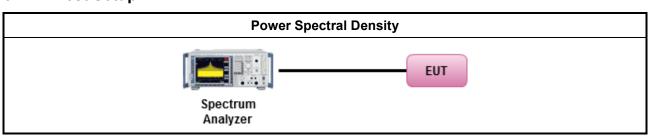
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3.4.3 Test Procedures

		Test Method
\boxtimes	outp func	c 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 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]
	\boxtimes	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.
	\boxtimes	The EUT supports single transmit chain and measurements performed on this transmit chain port.
		The EUT supports diversity transmitting and the results on transmit chain port 1 is the worst case.
		The EUT supports multiple transmit chains using options given below:
		Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
		Option 2: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.
		If multiple transmit chains, EIRP PPSD calculation could be following as methods: $ PPSD_{total} = PPSD_1 + PPSD_2 + + 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



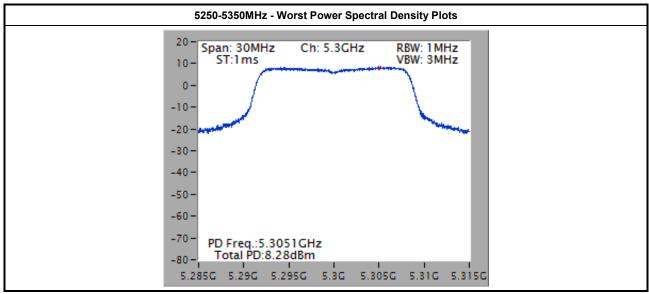
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3.4.5 Test Result of Peak Power Spectral Density

Peak Power Spectral Density Result (5250-5350MHz band)								
Modulation Mode	N _{TX} Freq. (MHz)		Peak Power Spectral Density (dBm)	PSD Limit	Antenna Gain (dBi)			
11a	1	5260	7.45	11.00	2.58			
11a	1	5300	8.28	11.00	2.58			
11a	1	5320	7.94	11.00	2.58			
HT20	1	5260	6.63	11.00	2.58			
HT20	1	5300	7.60	11.00	2.58			
HT20	1	5320	7.79	11.00	2.58			
HT40	1	5270	4.95	11.00	2.58			
HT40 1		5310	3.60	11.00	2.58			
VHT20	1	5260	6.50	11.00	2.58			
VHT20	1	5300	7.62	11.00	2.58			
VHT20	1	5320	7.51	11.00	2.58			
VHT40	1	5270	4.70	11.00	2.58			
VHT40	1	5310	3.65	11.00	2.58			
VHT80	1	5290	0.23	11.00	2.58			
Resu	ılt		,	Complied	•			



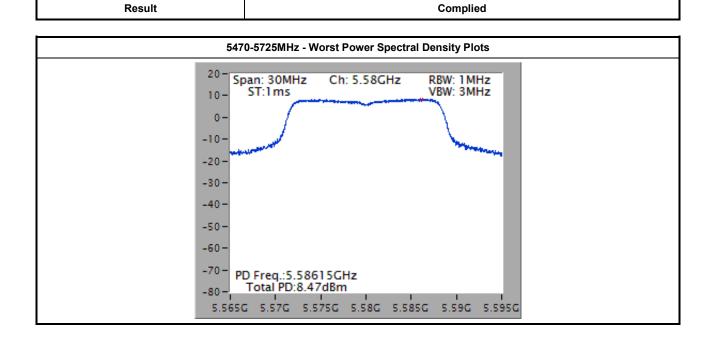
Note 1: Power Density Plots w/o Duty Factor.

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Peak Power Spectral Density Result (5470-5725MHz band) **Peak Power Spectral Modulation Mode PSD Limit** Antenna Gain (dBi) N_{TX} Density (dBm) (MHz) 5500 7.34 11.00 2.58 11a 1 11a 1 5580 8.47 11.00 2.58 11a 1 5700 4.82 11.00 2.58 HT20 1 5500 5.78 11.00 2.58 HT20 7.66 11.00 2.58 5580 1 HT20 1 5700 5.98 11.00 2.58 HT40 1 2.72 11.00 2.58 5510 HT40 1 5550 4.88 11.00 2.58 HT40 2.58 1 5670 3.74 11.00 VHT20 1 5500 5.46 11.00 2.58 VHT20 1 7.46 11.00 2.58 5580 VHT20 1 5700 5.77 11.00 2.58 VHT40 5510 2.69 11.00 2.58 1 VHT40 1 5550 5.24 11.00 2.58 VHT40 1 3.70 11.00 2.58 5670 VHT80 1 5530 1.11 11.00 2.58

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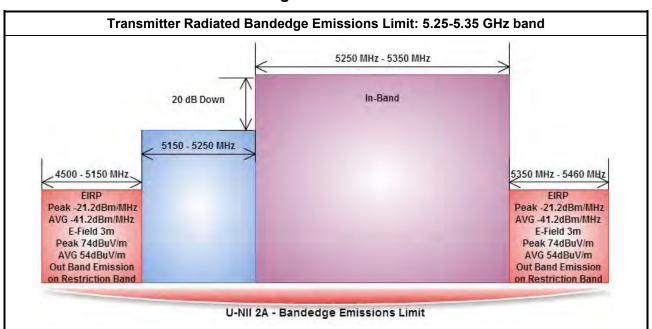
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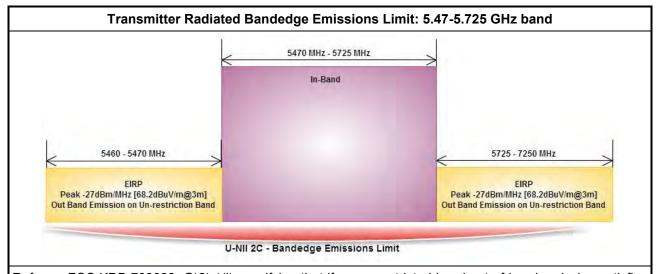
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Transmitter Bandedge Emissions 3.5

3.5.1 **Transmitter Radiated Bandedge Emissions Limit**



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

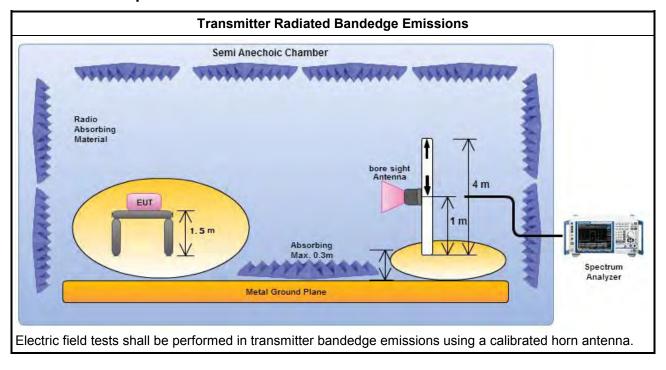
		Test Method
\boxtimes	The	average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].
		er as ANSI C63.10, clause 6.10 bandedge testing shall be performed at the lowest frequency and highest frequency channel within the allowed operating band.
	char will o at lo	JT operate in adjacent contiguous bands, bandedge testing performed at the lowest frequency anel at lower-band and highest frequency channel at higher-band. Transmitter in-band emissions consist of adjacent contiguous bands (e.g., IEEE 802.11ac VHT160 The lowest frequency channel ower-band and highest frequency channel at higher-band in-band emissions will consist of two cent 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).
	char	JT operate in individual non-contiguous bands, bandedge testing performed at the lowest frequency inel and highest frequency channel within lower-band and higher-band. (e.g., (e.g., IEEE 802.11ac 160)
		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:
	\boxtimes	Refer as FCC KDB 789033, clause H)2) for unwanted emissions into non-restricted bands.
	\boxtimes	Refer as FCC KDB 789033, clause H)1) for unwanted emissions into restricted bands.
		Refer as FCC KDB 789033, H)6) Method AD (Trace Averaging).
		Refer as FCC KDB 789033, H)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 H)3)d) for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).
	\boxtimes	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.
	perfo equi extra dista mea	surements may be performed at a distance other than the limit distance provided they are not be provided in the near field and the emissions to be measured can be detected by the measurement property. When performing measurements at a distance other than that specified, the results shall be applied to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear ince for field-strength measurements, inverse of linear distance-squared for power-density surements). Measurements in the bandedge are typically made at a closer distance 3m, because 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	1	5260	3	5140.200	62.65	74	5139.600	50.58	54	V
11a	1	5320	3	5353.400	68.55	74	5350.180	52.88	54	V
HT20	1	5260	3	5100.000	62.13	74	5139.600	50.37	54	V
HT20	1	5320	3	5353.540	69.98	74	5350.040	52.65	54	V
HT40	1	5270	3	5121.600	62.08	74	5109.600	50.52	54	V
HT40	1	5310	3	5351.560	67.71	74	5350.000	52.98	54	V
VHT20	1	5260	3	5140.800	62.32	74	5140.200	50.42	54	V
VHT20	1	5320	3	5353.540	69.42	74	5350.320	52.65	54	V
VHT40	1	5270	3	5136.600	62.55	74	5109.600	50.36	54	V
VHT40	1	5310	3	5351.560	68.29	74	5350.000	52.35	54	V
VHT80	1	5290	3	5105.400	61.95	74	5130.000	49.89	54	V
VHT80	1	5290	3	5351.400	65.87	74	5350.800	52.96	54	V

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NOLE	i. Measurement	WOISE CITIESTOTIS	or receive arrierina	polarization.

Modulation Mode	N _{TX}	Freq. (MHz)	Measure Distance (m)	Freq. (MHz) PK	Level (dBuV/m) PK	Limit (dBuV/m) PK	Pol.
11a	1	5500	3	5467.280	66.97	68.2	V
11a	1	5700	3	5725.280	67.14	68.2	V
HT20	1	5500	3	5468.240	66.60	68.2	V
HT20	1	5700	3	5726.960	66.60	68.2	V
HT40	1	5510	3	5467.200	66.50	68.2	V
HT40	1	5670	3	5725.400	66.47	68.2	V
VHT20	1	5500	3	5465.200	66.23	68.2	V
VHT20	1	5700	3	5725.040	66.43	68.2	V
VHT40	1	5510	3	5466.800	67.15	68.2	V
VHT40	1	5670	3	5725.400	65.95	68.2	٧
VHT80	1	5530	3	5469.680	66.54	68.2	V

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3.6 Transmitter Unwanted Emissions

3.6.1 Transmitter Radiated Unwanted Emissions Limit

Unwanted emiss	sions below 1 GHz and re	stricted band emissions a	bove 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

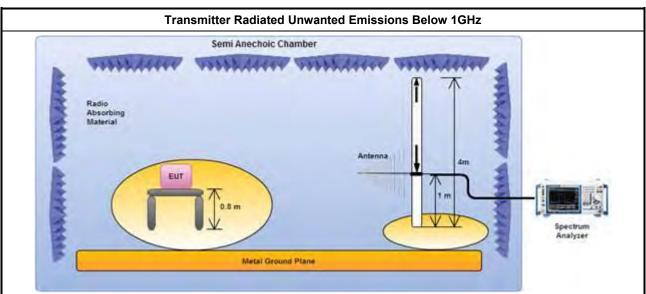
		Test Method
	performation performation above are in the end of the e	surements may be performed at a distance other than the limit distance provided they are not ormed in the near field and the emissions to be measured can be detected by the measurement pment. Measurements shall not be performed at a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

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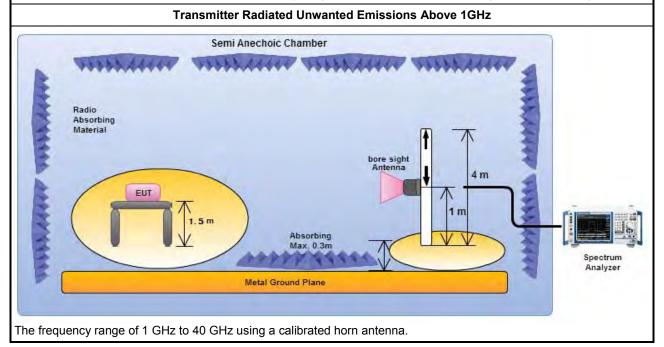


3.6.4 Test Setup



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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.



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

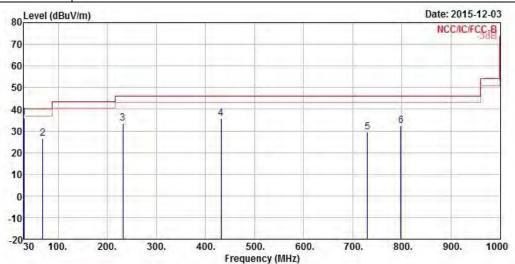
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

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Transmitter Radiated Unwanted Emissions (Below 1GHz)



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	Freq	Level	Over Level Limit	Limit Line	ReadAntenna Level Factor		Preamp Factor	Remark	
1	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	30.000	35.90	-4.10	40.00	42.89	19.80	0.78	27.57	QP
2	68.800	26.46	-13.54	40.00	45.97	6.71	1.23	27.45	Peak
3	231.760	33.62	-12.38	46.00	46.70	11.40	2.39	26.87	Peak
4	431.580	35.72	-10.28	46.00	43.00	16.88	3.33	27.49	Peak
5	730.340	29.50	-16.50	46.00	32.81	20.09	4.48	27.88	Peak
6	798.240	32.23	-13.77	46.00	34.77	20.69	4.56	27.79	Peak

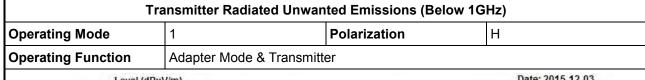
Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

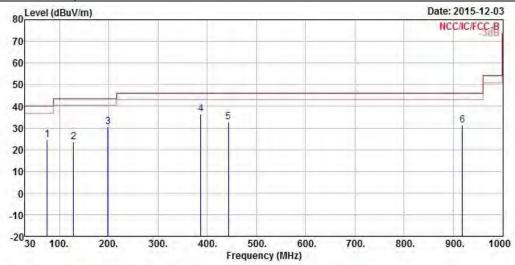
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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

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

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			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	74.620	24.68	-15.32	40.00	43.80	7.02	1.29	27.43	Peak
2	128.940	23.37	-20.13	43.50	36.02	12.82	1.76	27.23	Peak
3	198.780	30.65	-12.85	43.50	44.92	10.42	2.27	26.96	Peak
4	386.960	36.45	-9.55	46.00	44.27	16.22	3.20	27.24	Peak
5	443.220	32.65	-13.35	46.00	39.81	17.02	3.37	27.55	Peak
6	918.520	31.17	-14.83	46.00	31.99	21.69	5.03	27.54	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.)

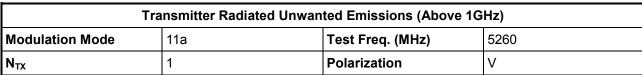
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical).

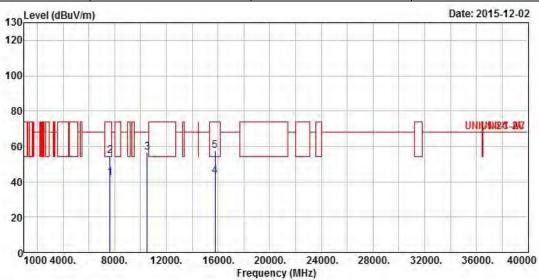
Note 4: No level of unwanted emissions exceeds the level of the fundamental emission.

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

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			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	
	7641.000	42.19	-11.81	54.00	30.41	36.68	7.98	32.88	Average
)	7641.000	54.63	-19.37	74.00	42.85	36.68	7.98	32.88	Peak
3	10520.000	56.78	-11.42	68.20	41.85	38.89	8.80	32.76	Peak
1	15780.000	43.16	-10.84	54.00	28.74	37.35	9.49	32.42	Average
,	15780.000	57.42	-16.58	74.00	43.00	37.35	9.49	32.42	Peak

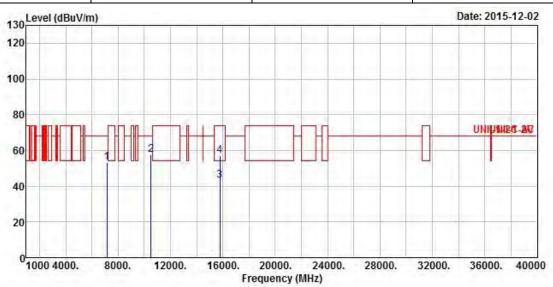
- Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
- Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
- Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
- Note 4: For restricted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

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FAX: 886-3-327-0973

Transmitter Radiated Unwanted Emissions (Above 1GHz)								
Modulation Mode	11a	Test Freq. (MHz)	5260					
N _{TX}	1	Polarization	Н					

Report No.: FR462302-02AN



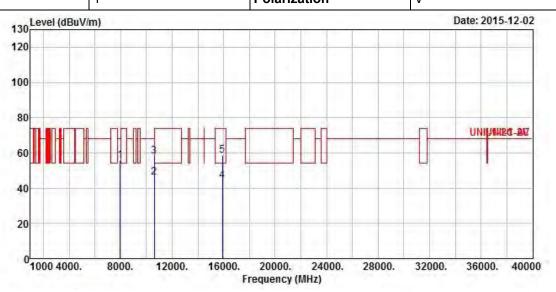
			Over	Limit	Read	Antenna	Cable	Preamp		
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-	-
1	7145.000	53.44	-14.76	68.20	42.75	35.56	7.89	32.76	Peak	
2	10520.000	57.34	-10.86	68.20	42.41	38.89	8.80	32.76	Peak	
3	15780.000	43.14	-10.86	54.00	28.72	37.35	9.49	32.42	Average	
4	15780.000	57.30	-16.70	74.00	42.88	37.35	9.49	32.42	Peak	

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

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Transmitter Radiated Unwanted Emissions (Above 1GHz)									
Modulation Mode	11a	Test Freq. (MHz)	5300						
N	1	Polarization	V						

Report No.: FR462302-02AN



	Freq	Freq	Freq	Level	Over Limit			Antenna Factor		The second second	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB			
1	7974.000	55.74	-12.46	68.20	43.51	37.06	8.10	32.93	Peak		
2	10600.000	46.20	-7.80	54.00	31.36	38.82	8.74	32.72	Average		
3	10600.000	58.06	-15.94	74.00	43.22	38.82	8.74	32.72	Peak		
4	15900.000	44.18	-9.82	54.00	29.97	37.11	9.55	32.45	Average		
5	15900.000	58.60	-15.40	74.00	44.39	37.11	9.55	32.45	Peak		

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

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

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

Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

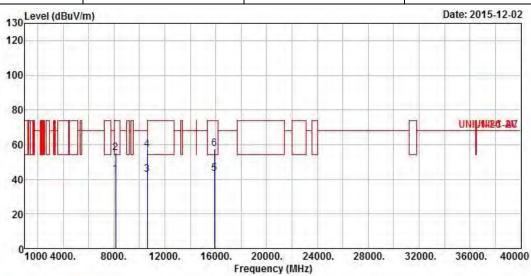
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.

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

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Tra	Transmitter Radiated Unwanted Emissions (Above 1GHz)									
Modulation Mode	11a	Test Freq. (MHz)	5300							
N _{TX}	1	Polarization	Н							

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			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	8145.000	42.79	-11.21	54.00	30.41	37.27	8.05	32.94	Average
2	8145.000	55.36	-18.64	74.00	42.98	37.27	8.05	32.94	Peak
3	10600.000	42.51	-11.49	54.00	27.67	38.82	8.74	32.72	Average
4	10600.000	57.09	-16.91	74.00	42.25	38.82	8.74	32.72	Peak
5	15900.000	43.19	-10.81	54.00	28.98	37.11	9.55	32.45	Average
6	15900.000	57.62	-16.38	74.00	43.41	37.11	9.55	32.45	Peak

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

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

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

Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

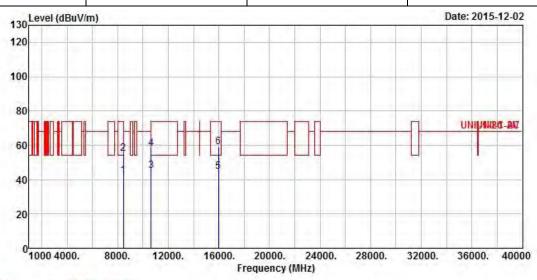
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.

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

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

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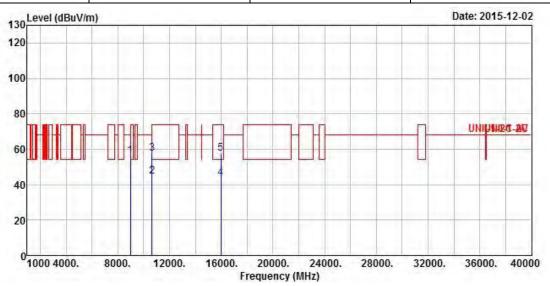


	Freq	Level	Over Limit			Antenna Factor			Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	8452.000	42.06	-11.94	54.00	29.41	37.64	7.95	32.94	Average
2	8452.000	55.30	-18.70	74.00	42.65	37.64	7.95	32.94	Peak
3	10640.000	45.31	-8.69	54.00	30.50	38.79	8.71	32.69	Average
4	10640.000	57.86	-16.14	74.00	43.05	38.79	8.71	32.69	Peak
5	15960.000	44.64	-9.36	54.00	30.56	36.97	9.58	32.47	Average
6	15960.000	59.06	-14.94	74.00	44.98	36.97	9.58	32.47	Peak

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

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Transmitter Radiated Unwanted Emissions (Above 1GHz)								
Modulation Mode	11a	Test Freq. (MHz)	5320					
N _{TX}	1	Polarization	Н					



	Freq	Level	Over Limit			Antenna Factor		The second second		
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		-
1	8974.000	56.14	-12.06	68.20	43.51	37.79	7.94	33.10	Peak	
2	10640.000	44.44	-9.56	54.00	29.63	38.79	8.71	32.69	Average	
3	10640.000	57.79	-16.21	74.00	42.98	38.79	8.71	32.69	Peak	
4	15960.000	43.84	-10.16	54.00	29.76	36.97	9.58	32.47	Average	
5	15960.000	57.73	-16.27	74.00	43.65	36.97	9.58	32.47	Peak	

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

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

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

Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

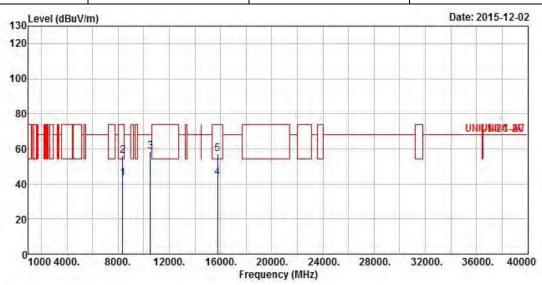
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.

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

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Tra	nsmitter Radiated Unwan	ted Emissions (Above 1G	Hz)
Modulation Mode	HT20	Test Freq. (MHz)	5260
N _{TX}	1	Polarization	V

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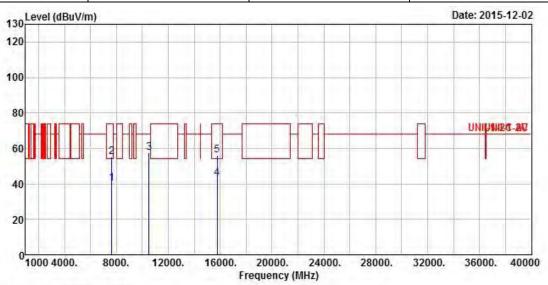


	Freq	Level				Antenna Factor		The state of the s	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	_
1	8352.000	43.07	-10.93	54.00	30.52	37.51	7.98	32.94	Average
2	8352.000	56.06	-17.94	74.00	43.51	37.51	7.98	32.94	Peak
3	10520.000	58.51	-9.69	68.20	43.58	38.89	8.80	32.76	Peak
4	15780.000	43.42	-10.58	54.00	29.00	37.35	9.49	32.42	Average
5	15780.000	57.17	-16.83	74.00	42.75	37.35	9.49	32.42	Peak

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

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Tra	ınsmitter Radiated Unwan	ted Emissions (Above 1G	Hz)
Modulation Mode	HT20	Test Freq. (MHz)	5260
N_{TX}	1	Polarization	Н



			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	7641.000	40.41	-13.59	54.00	28.63	36.68	7.98	32.88	Average
2	7641.000	55.19	-18.81	74.00	43.41	36.68	7.98	32.88	Peak
3	10520.000	57.67	-10.53	68.20	42.74	38.89	8.80	32.76	Peak
4	15780.000	43.29	-10.71	54.00	28.87	37.35	9.49	32.42	Average
5	15780.000	56.30	-17.70	74.00	41.88	37.35	9.49	32.42	Peak

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

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

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

Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

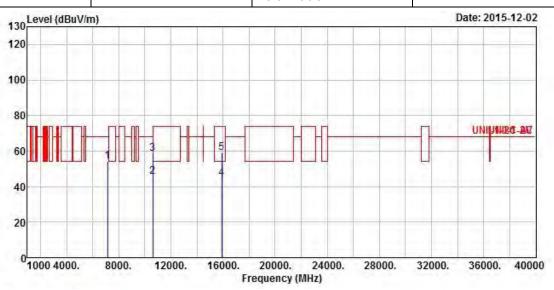
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.

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

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	Transmitter Radi	ated Unwanted Emissions (Above	e 1GHz)
Modulation Mode	HT20	Test Freq. (MHz)	5300
N _{TX}	1	Polarization	V

Report No.: FR462302-02AN



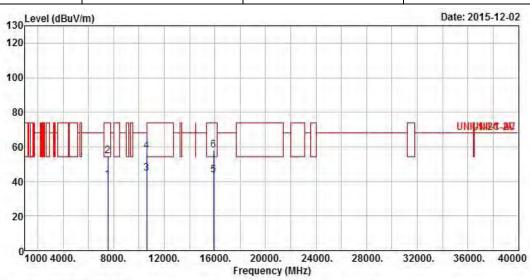
	Freq	Level	Over Limit			Antenna Factor		Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7152.000	54.15	-14.05	68.20	43.42	35.60	7.89	32.76	Peak
2	10600.000	45.69	-8.31	54.00	30.85	38.82	8.74	32.72	Average
3	10600.000	58.35	-15.65	74.00	43.51	38.82	8.74	32.72	Peak
4	15900.000	44.50	-9.50	54.00	30.29	37.11	9.55	32.45	Average
5	15900.000	58.84	-15.16	74.00	44.63	37.11	9.55	32.45	Peak

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

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Tra	ınsmitter Radiated Unwan	ted Emissions (Above 1G	Hz)
Modulation Mode	HT20	Test Freq. (MHz)	5300
N _{TX}	1	Polarization	Н

Report No.: FR462302-02AN



	Freq	Level		Limit Line		Antenna Factor		Company of the Compan	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-
1	7541.000	40.61	-13.39	54.00	28.97	36.56	7.95	32.87	Average
2	7541.000	54.50	-19.50	74.00	42.86	36.56	7.95	32.87	Peak
3	10600.000	44.47	-9.53	54.00	29.63	38.82	8.74	32.72	Average
4	10600.000	57.59	-16.41	74.00	42.75	38.82	8.74	32.72	Peak
5	15900.000	43.84	-10.16	54.00	29.63	37.11	9.55	32.45	Average
6	15900.000	57.95	-16.05	74.00	43.74	37.11	9.55	32.45	Peak

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

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

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

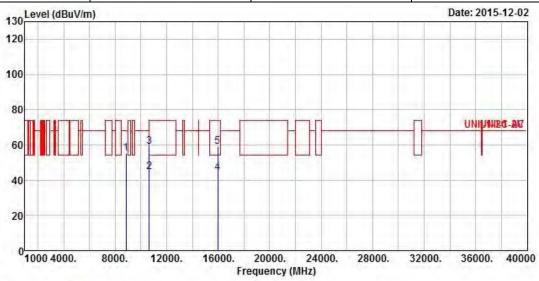
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

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Tra	nsmitter Radiated Unwan	ted Emissions (Above 1G	Hz)
Modulation Mode	HT20	Test Freq. (MHz)	5320
N_{TX}	1	Polarization	V



			0ver	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	
L	8841.000	55.27	-12.93	68.20	42.61	37.77	7.94	33.05	Peak
2	10640.000	44.66	-9.34	54.00	29.85	38.79	8.71	32.69	Average
3	10640.000	58.77	-15.23	74.00	43.96	38.79	8.71	32.69	Peak
1	15960.000	44.36	-9.64	54.00	30.28	36.97	9.58	32.47	Average
5	15960.000	59.06	-14.94	74.00	44.98	36.97	9.58	32.47	Peak

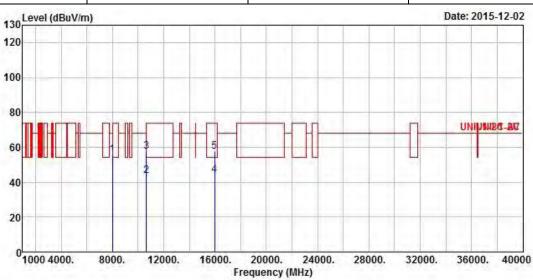
- Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
- Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
- Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
- Note 4: For restricted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

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FAX: 886-3-327-0973

Tra	nsmitter Radiated Unwan	ted Emissions (Above 1G	Hz)
Modulation Mode	HT20	Test Freq. (MHz)	5320
N _{TX}	1	Polarization	Н

Report No.: FR462302-02AN

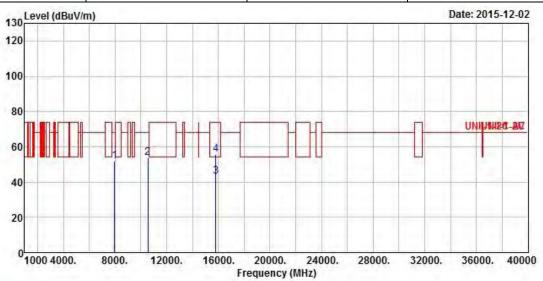


	Freq	Level	Over Limit	Limit Line		Antenna Factor			
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	8005.000	55.87	-12.33	68.20	43.62	37.10	8.09	32.94	Peak
2	10640.000	43.84	-10.16	54.00	29.03	38.79	8.71	32.69	Average
3	10640.000	57.68	-16.32	74.00	42.87	38.79	8.71	32.69	Peak
4	15960.000	43.93	-10.07	54.00	29.85	36.97	9.58	32.47	Average
5	15960.000	57.70	-16.30	74.00	43.62	36.97	9.58	32.47	Peak

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

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Transmitter Radiated Unwanted Emissions (Above 1GHz)						
Modulation Mode	HT40	Test Freq. (MHz)	5270			
N_{TX}	1	Polarization	V			



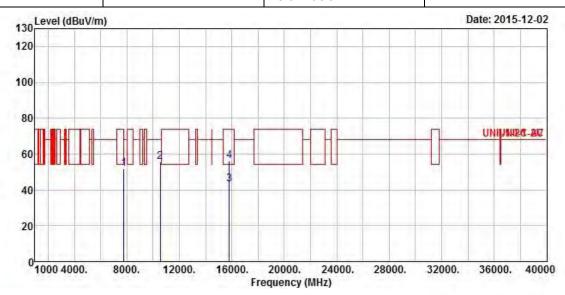
	Freq	Level	Over Limit	Limit Line		Antenna Factor			Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7960.000	51.89	-16.31	68.20	39.69	37.04	8.09	32.93	Peak
2	10540.000	53.82	-14.38	68.20	38.93	38.87	8.77	32.75	Peak
3	15810.000	43.16	-10.84	54.00	28.79	37.28	9.51	32.42	Average
4	15810.000	55.83	-18.17	74.00	41.46	37.28	9.51	32.42	Peak

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

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	Transmitter Radia	ated Unwanted Emissions (Above	e 1GHz)
Modulation Mode	HT40	Test Freq. (MHz)	5270
N _{TX}	1	Polarization	Н

Report No.: FR462302-02AN



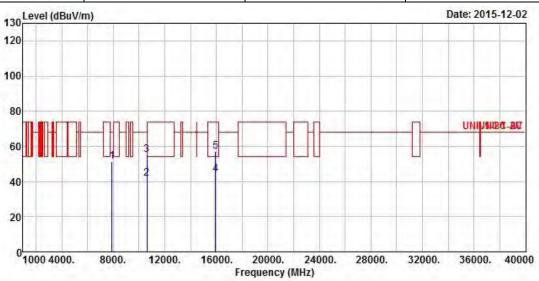
	Freq	Level	Over Limit	Limit Line		Antenna Factor			
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7786.000	51.61	-16.59	68.20	39.64	36.84	8.03	32.90	Peak
2	10540.000	55.82	-12.38	68.20	40.93	38.87	8.77	32.75	Peak
3	15810.000	43.27	-10.73	54.00	28.90	37.28	9.51	32.42	Average
4	15810.000	55.95	-18.05	74.00	41.58	37.28	9.51	32.42	Peak

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

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Transmitter Radiated Unwanted Emissions (Above 1GHz)					
Modulation Mode	HT40	Test Freq. (MHz)	5310		
N _{TX}	1	Polarization	V		

Report No.: FR462302-02AN



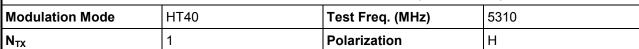
	Freq	Level	Over Limit	Limit Line		Antenna Factor		Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-
1	7896.000	51.27	-16.93	68.20	39.14	36.98	8.07	32.92	Peak
2	10620.000	41.79	-12.21	54.00	26.99	38.80	8.71	32.71	Average
3	10620.000	55.23	-18.77	74.00	40.43	38.80	8.71	32.71	Peak
4	15930.000	43.96	-10.04	54.00	29.82	37.04	9.56	32.46	Average
5	15930.000	56.93	-17.07	74.00	42.79	37.04	9.56	32.46	Peak

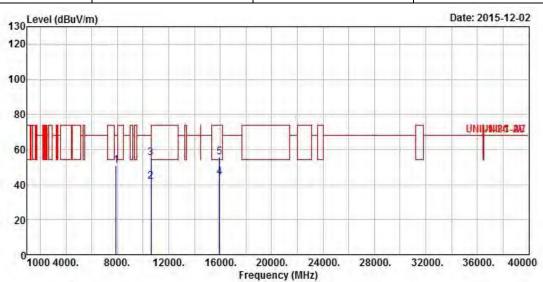
- Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
- Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
- Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
- Note 4: For restricted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

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Transmitter Radiated Unwar	nted Emissions (Above 1G	Hz)

Report No.: FR462302-02AN





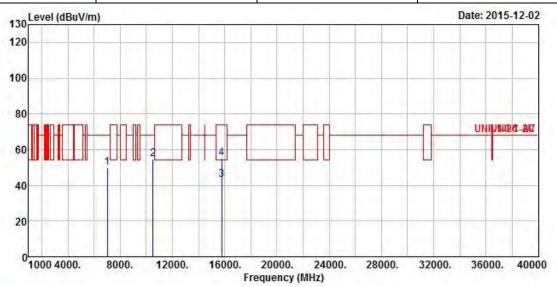
			Over	Limit	Read	Antenna	Cable	Preamp	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7904.000	50.71	-17.49	68.20	38.58	36.98	8.07	32.92	Peak
2	10620.000	41.56	-12.44	54.00	26.76	38.80	8.71	32.71	Average
3	10620.000	55.25	-18.75	74.00	40.45	38.80	8.71	32.71	Peak
4	15930.000	44.27	-9.73	54.00	30.13	37.04	9.56	32.46	Average
5	15930.000	55.82	-18.18	74.00	41.68	37.04	9.56	32.46	Peak

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

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Report No.: FR462302-02AN

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



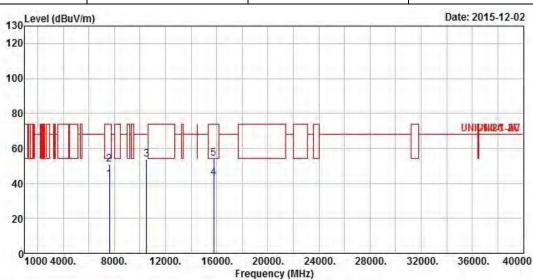
	Freq	Level	Over Limit			Antenna Factor		Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7016.000	49.71	-18.49	68.20	39.32	35.24	7.87	32.72	Peak
2	10520.000	54.91	-13.29	68.20	39.98	38.89	8.80	32.76	Peak
3	15780.000	43.11	-10.89	54.00	28.69	37.35	9.49	32.42	Average
4	15780.000	55.18	-18.82	74.00	40.76	37.35	9.49	32.42	Peak

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

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Transmitter Radiated Unwanted Emissions (Above 1GHz)						
Modulation Mode	VHT20	Test Freq. (MHz)	5260			
N _{TX}	1	Polarization	Н			

Report No.: FR462302-02AN



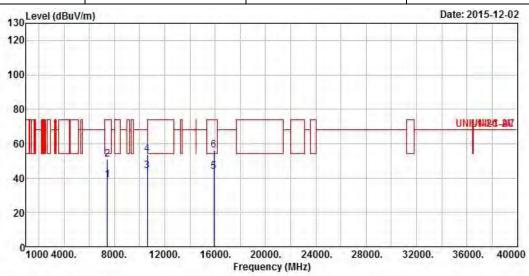
	Freq	Level		Limit Line				Carlotte State of the State of	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7604.000	42.10	-11.90	54.00	30.39	36.62	7.97	32.88	Average
2	7604.000	50.86	-23.14	74.00	39.15	36.62	7.97	32.88	Peak
3	10520.000	53.79	-14.41	68.20	38.86	38.89	8.80	32.76	Peak
4	15780.000	43.03	-10.97	54.00	28.61	37.35	9.49	32.42	Average
5	15780.000	54.26	-19.74	74.00	39.84	37.35	9.49	32.42	Peak

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

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Tra	ınsmitter Radiated Unwan	ted Emissions (Above 1G	Hz)
Modulation Mode	VHT20	Test Freq. (MHz)	5300
N _{TX}	1	Polarization	V

Report No.: FR462302-02AN



	Freq	Level	Over Limit	Limit Line		Antenna Factor		A CONTRACTOR OF THE PARTY OF TH	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7456.000	38.63	-15.37	54.00	27.14	36.41	7.93	32.85	Average
2	7456.000	50.61	-23.39	74.00	39.12	36.41	7.93	32.85	Peak
3	10600.000	44.01	-9.99	54.00	29.17	38.82	8.74	32.72	Average
4	10600.000	53.69	-20.31	74.00	38.85	38.82	8.74	32.72	Peak
5	15900.000	43.74	-10.26	54.00	29.53	37.11	9.55	32.45	Average
6	15900.000	56.18	-17.82	74.00	41.97	37.11	9.55	32.45	Peak

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

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

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

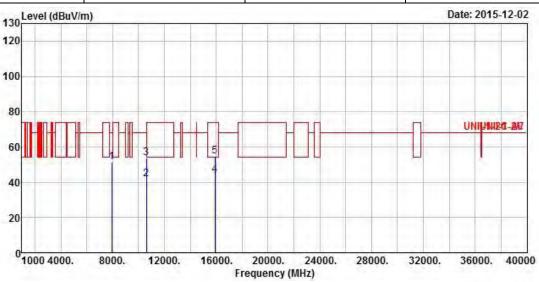
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

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Tra	ınsmitter Radiated Unwan	ted Emissions (Above 1G	Hz)
Modulation Mode	VHT20	Test Freq. (MHz)	5300
N _{TX}	1	Polarization	Н



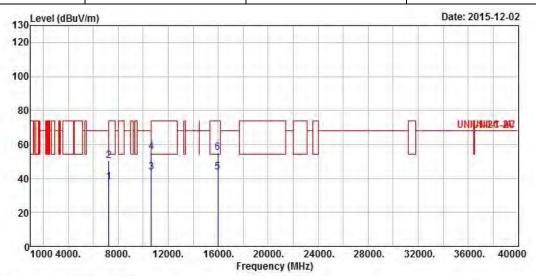
	Freq	Level		Limit Line				The second second	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7932.000	51.32	-16.88	68.20	39.14	37.02	8.09	32.93	Peak
2	10600.000	41.81	-12.19	54.00	26.97	38.82	8.74	32.72	Average
3	10600.000	53.80	-14.40	68.20	38.96	38.82	8.74	32.72	Peak
4	15900.000	43.97	-10.03	54.00	29.76	37.11	9.55	32.45	Average
5	15900.000	54.78	-19.22	74.00	40.57	37.11	9.55	32.45	Peak

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

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Tra	Transmitter Radiated Unwanted Emissions (Above 1GHz) Ulation Mode			
Modulation Mode	VHT20	Test Freq. (MHz)	5320	
N _{TX}	1	Polarization	V	



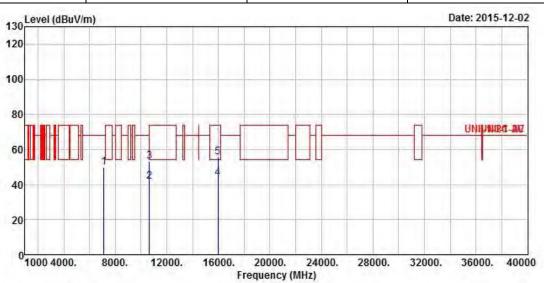
	Frea	l evel	Over Limit			Antenna Factor		The state of the s	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7264.000	38.05	-15.95	54.00	27.06	35.87	7.91	32.79	Average
2	7264.000	50.22	-23.78	74.00	39.23	35.87	7.91	32.79	Peak
3	10640.000	43.64	-10.36	54.00	28.83	38.79	8.71	32.69	Average
4	10640.000	55.47	-18.53	74.00	40.66	38.79	8.71	32.69	Peak
5	15960.000	43.56	-10.44	54.00	29.48	36.97	9.58	32.47	Average
6	15960.000	55.18	-18.82	74.00	41.10	36.97	9.58	32.47	Peak

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

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Tra	nsmitter Radiated Unwan	ted Emissions (Above 1G	Hz)
Modulation Mode	VHT20	Test Freq. (MHz)	5320
N _{TX}	1	Polarization	Н

Report No.: FR462302-02AN



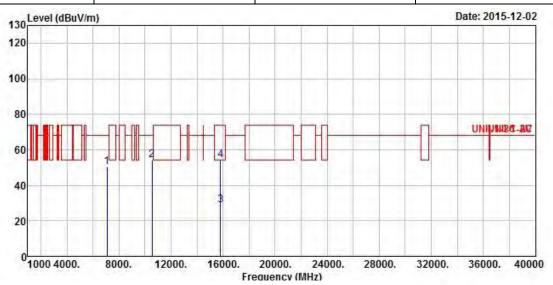
		Over	Limit	Read/	Antenna	Cable	Preamp	
Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
7116.000	49.79	-18.41	68.20	39.14	35.51	7.89	32.75	Peak
10640.000	41.68	-12.32	54.00	26.87	38.79	8.71	32.69	Average
10640.000	53.41	-20.59	74.00	38.60	38.79	8.71	32.69	Peak
15960.000	43.64	-10.36	54.00	29.56	36.97	9.58	32.47	Average
15960.000	55.48	-18.52	74.00	41.40	36.97	9.58	32.47	Peak
	7116.000 10640.000 10640.000 15960.000	MHz dBuV/m 7116.000 49.79 10640.000 41.68 10640.000 53.41 15960.000 43.64	Freq Level Limit MHz dBuV/m dB 7116.000 49.79 -18.41 10640.000 41.68 -12.32 10640.000 53.41 -20.59 15960.000 43.64 -10.36	Freq Level Limit Line MHz dBuV/m dB dBuV/m 7116.000 49.79 -18.41 68.20 10640.000 41.68 -12.32 54.00 10640.000 53.41 -20.59 74.00 15960.000 43.64 -10.36 54.00	Freq Level Limit Line Level MHz dBuV/m dB dBuV/m dBuV 7116.000 49.79 -18.41 68.20 39.14 10640.000 41.68 -12.32 54.00 26.87 10640.000 53.41 -20.59 74.00 38.60 15960.000 43.64 -10.36 54.00 29.56	Freq Level Limit Line Level Factor MHz dBuV/m dB dBuV/m dBuV dB/m 7116.000 49.79 -18.41 68.20 39.14 35.51 10640.000 41.68 -12.32 54.00 26.87 38.79 10640.000 53.41 -20.59 74.00 38.60 38.79 15960.000 43.64 -10.36 54.00 29.56 36.97	Freq Level Limit Line Level Factor Loss MHz dBuV/m dB dBuV/m dBuV dB/m dB 7116.000 49.79 -18.41 68.20 39.14 35.51 7.89 10640.000 41.68 -12.32 54.00 26.87 38.79 8.71 10640.000 53.41 -20.59 74.00 38.60 38.79 8.71 15960.000 43.64 -10.36 54.00 29.56 36.97 9.58	Freq Level Limit Line Level Factor Loss Factor MHz dBuV/m dB dBuV/m dBuV dB/m dB dB 7116.000 49.79 -18.41 68.20 39.14 35.51 7.89 32.75 10640.000 41.68 -12.32 54.00 26.87 38.79 8.71 32.69 10640.000 53.41 -20.59 74.00 38.60 38.79 8.71 32.69 15960.000 43.64 -10.36 54.00 29.56 36.97 9.58 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	ınsmitter Radiated Unwan	ted Emissions (Above 1G	Hz)
Modulation Mode	VHT40	Test Freq. (MHz)	5270
N _{TX}	1	Polarization	V

Report No.: FR462302-02AN



	Freq	Level		Limit Line				4	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7100.000	50.31	-17.89	68.20	39.70	35.47	7.88	32.74	Peak
2	10540.000	54.04	-14.16	68.20	39.15	38.87	8.77	32.75	Peak
3	15810.000	28.94	-25.06	54.00	14.57	37.28	9.51	32.42	Average
4	15810.000	53.98	-20.02	74.00	39.61	37.28	9.51	32.42	Peak

ote 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)

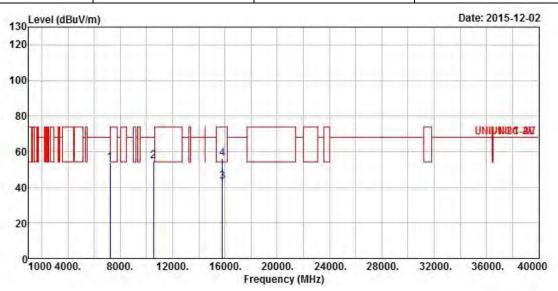
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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	ınsmitter Radiated Unwan	ted Emissions (Above 1G	Hz)
Modulation Mode	VHT40	Test Freq. (MHz)	5270
N _{TX}	1	Polarization	Н



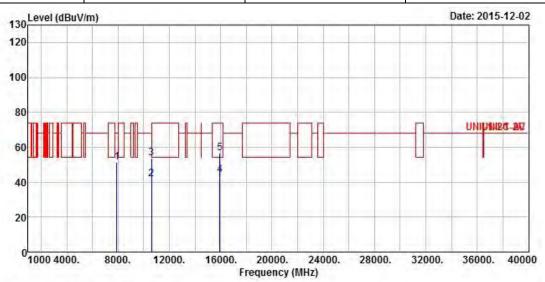
	Freq	Level		Limit Line					Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7214.000	53.74	-14.46	68.20	42.84	35.78	7.90	32.78	Peak
2	10540.000	54.67	-13.53	68.20	39.78	38.87	8.77	32.75	Peak
3	15810.000	43.36	-10.64	54.00	28.99	37.28	9.51	32.42	Average
4	15810.000	56.15	-17.85	74.00	41.78	37.28	9.51	32.42	Peak

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

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Transmitter Radiated Unwanted Emissions (Above 1GHz)								
Modulation Mode	VHT40	Test Freq. (MHz)	5310					
N _{TX}	1	Polarization	V					

Report No.: FR462302-02AN



	Freq	Level	Over Limit	Limit Line		Antenna Factor			Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7892.000	51.14	-17.06	68.20	39.03	36.96	8.07	32.92	Peak
2	10620.000	41.57	-12.43	54.00	26.77	38.80	8.71	32.71	Average
3	10620.000	53.79	-20.21	74.00	38.99	38.80	8.71	32.71	Peak
4	15930.000	43.95	-10.05	54.00	29.81	37.04	9.56	32.46	Average
5	15930.000	56.45	-17.55	74.00	42.31	37.04	9.56	32.46	Peak

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

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

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

Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

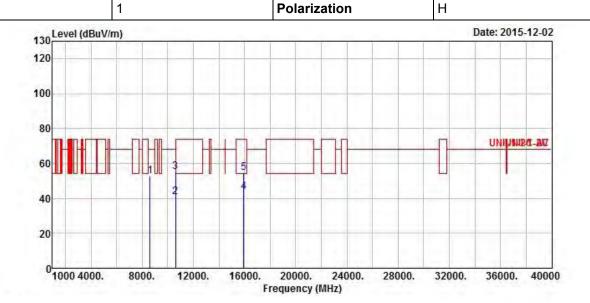
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

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 N_{TX}

Transmitter Radiated Unwanted Emissions (Above 1GHz)							
Modulation Mode	VHT40	Test Freq. (MHz)	5310				

Report No.: FR462302-02AN

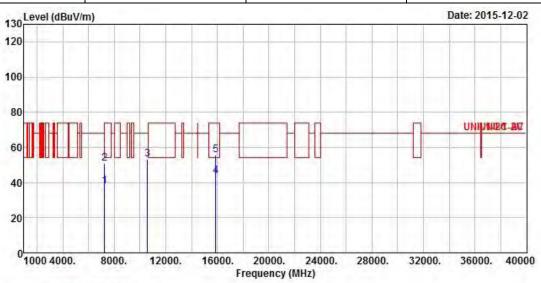


			Over	Limit	Read	Antenna	Cable	Preamp	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-
1	8621.000	52.98	-15.22	68.20	40.30	37.72	7.94	32.98	Peak
2	10620.000	40.93	-13.07	54.00	26.13	38.80	8.71	32.71	Average
3	10620.000	55.37	-18.63	74.00	40.57	38.80	8.71	32.71	Peak
4	15930.000	43.80	-10.20	54.00	29.66	37.04	9.56	32.46	Average
5	15930.000	54.73	-19.27	74.00	40.59	37.04	9.56	32.46	Peak

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

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Transmitter Radiated Unwanted Emissions (Above 1GHz)							
Modulation Mode	VHT80	Test Freq. (MHz)	5290				
N _{TX}	1	Polarization	V				

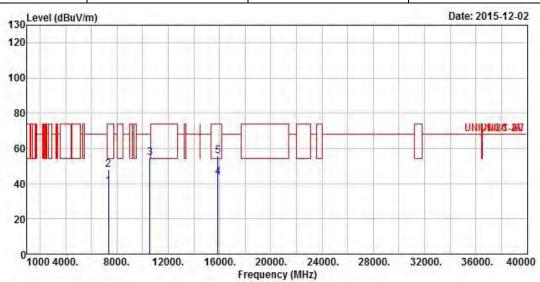


	Freq	Level		Limit Line		Antenna Factor		Preamp Factor	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		-
1	7264.000	38.10	-15.90	54.00	27.11	35.87	7.91	32.79	Average	
2	7264.000	50.64	-23.36	74.00	39.65	35.87	7.91	32.79	Peak	
3	10580.000	53.22	-14.98	68.20	38.37	38.83	8.74	32.72	Peak	
4	15870.000	43.64	-10.36	54.00	29.41	37.14	9.53	32.44	Average	
5	15870.000	55.48	-18.52	74.00	41.25	37.14	9.53	32.44	Peak	

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

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Transmitter Radiated Unwanted Emissions (Above 1GHz)								
Modulation Mode	VHT80	Test Freq. (MHz)	5290					
N _{TX}	1	Polarization	Н					



	Freq	Level	Over Limit	Limit Line		Antenna Factor		The second second	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	_
1	7344.000	38.19	-15.81	54.00	26.98	36.10	7.92	32.81	Average
2	7344.000	47.87	-26.13	74.00	36.66	36.10	7.92	32.81	Peak
3	10580.000	54.69	-13.51	68.20	39.84	38.83	8.74	32.72	Peak
4	15870.000	43.67	-10.33	54.00	29.44	37.14	9.53	32.44	Average
5	15870.000	55.71	-18.29	74.00	41.48	37.14	9.53	32.44	Peak

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

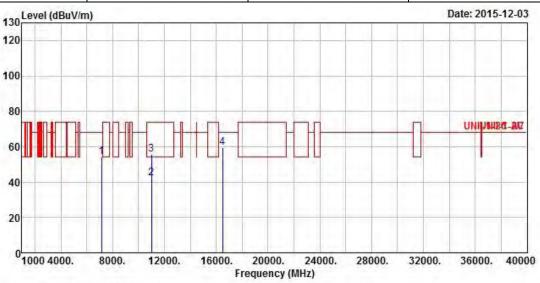
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3.6.8 Transmitter Radiated Unwanted Emissions (Above 1GHz) for 5470-5725MHz

Report No.: FR462302-02AN

Transmitter Radiated Unwanted Emissions (Above 1GHz)							
Modulation Mode	11a	Test Freq. (MHz)	5500				
N _{TX}	1	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	-
L	7152.000	54.36	-13.84	68.20	43.63	35.60	7.89	32.76	Peak
2	11000.000	42.06	-11.94	54.00	27.62	38.50	8.44	32.50	Average
3	11000.000	55.86	-18.14	74.00	41.42	38.50	8.44	32.50	Peak
1	16500.000	59.31	-8.89	68.20	43.99	37.90	9.51	32.09	Peak

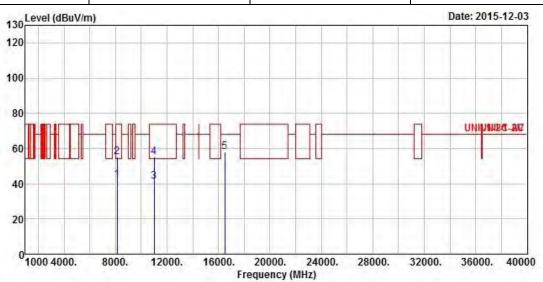
- Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
- Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
- Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
- Note 4: For restricted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

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FAX: 886-3-327-0973

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Transmitter Radiated Unwanted Emissions (Above 1GHz)							
Modulation Mode	11a	Test Freq. (MHz)	5500				
N _{TX}	1	Polarization	Н				

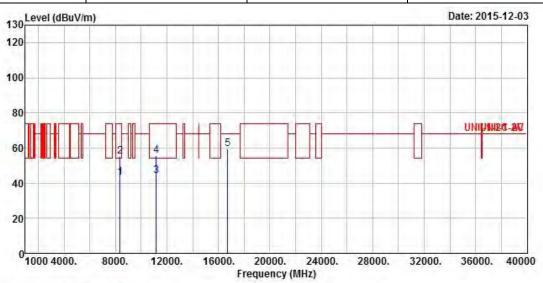


	Freq	Level	Over Limit	Limit Line		Antenna Factor			Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	——dB	
1	8145.000	42.00	-12.00	54.00	29.62	37.27	8.05	32.94	Average
2	8145.000	55.00	-19.00	74.00	42.62	37.27	8.05	32.94	Peak
3	11000.000	41.43	-12.57	54.00	26.99	38.50	8.44	32.50	Average
4	11000.000	55.07	-18.93	74.00	40.63	38.50	8.44	32.50	Peak
5	16500.000	58.10	-10.10	68.20	42.78	37.90	9.51	32.09	Peak

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

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



	Freq	Level	Over Limit			Antenna Factor		The second secon	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-
1	8362.000	42.98	-11.02	54.00	30.41	37.53	7.98	32.94	Average
2	8362.000	55.31	-18.69	74.00	42.74	37.53	7.98	32.94	Peak
3	11160.000	44.20	-9.80	54.00	29.52	38.73	8.44	32.49	Average
4	11160.000	55.44	-18.56	74.00	40.76	38.73	8.44	32.49	Peak
5	16740.000	59.27	-8.93	68.20	42.88	38.87	9.31	31.79	Peak

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

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

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

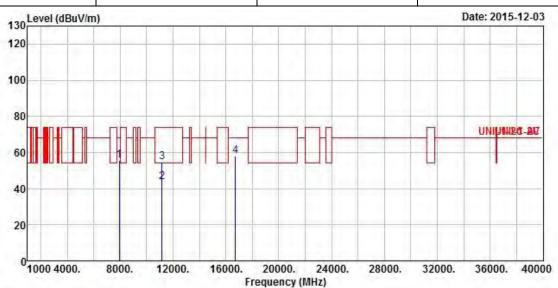
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

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



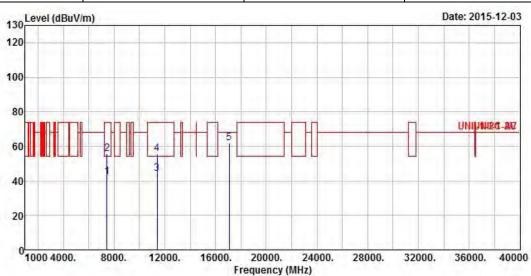
			0ver	Limit	Read	Antenna	Cable	Preamp		
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		-
1	7941.000	55.80	-12.40	68.20	43.62	37.02	8.09	32.93	Peak	
2	11160.000	43.67	-10.33	54.00	28.99	38.73	8.44	32.49	Average	
3	11160.000	54.70	-19.30	74.00	40.02	38.73	8.44	32.49	Peak	
4	16740.000	57.94	-10.26	68.20	41.55	38.87	9.31	31.79	Peak	

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

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

Report No.: FR462302-02AN

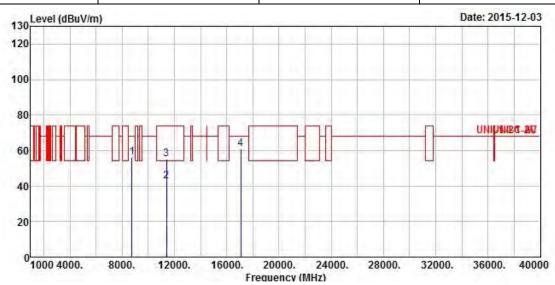


		Level	Over Limit	Limit Line		Antenna Factor			Remark
		dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7462.000	42.02	-11.98	54.00	30.53	36.41	7.93	32.85	Average
2	7462.000	55.73	-18.27	74.00	44.24	36.41	7.93	32.85	Peak
3	11400.000	44.02	-9.98	54.00	28.98	39.06	8.45	32.47	Average
4	11400.000	55.51	-18.49	74.00	40.47	39.06	8.45	32.47	Peak
5	17100.000	61.97	-6.23	68.20	43.69	40.68	9.09	31.49	Peak

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

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Transmitter Radiated Unwanted Emissions (Above 1GHz)					
Modulation Mode	11a	Test Freq. (MHz)	5700		
N _{TX}	1	Polarization	Н		



	Freq	Level				Antenna Factor		Acres of the second	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	8745.000	56.07	-12.13	68.20	43.41	37.75	7.94	33.03	Peak
2	11400.000	42.90	-11.10	54.00	27.86	39.06	8.45	32.47	Average
3	11400.000	55.05	-18.95	74.00	40.01	39.06	8.45	32.47	Peak
4	17100.000	60.93	-7.27	68.20	42.65	40.68	9.09	31.49	Peak

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

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

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

Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

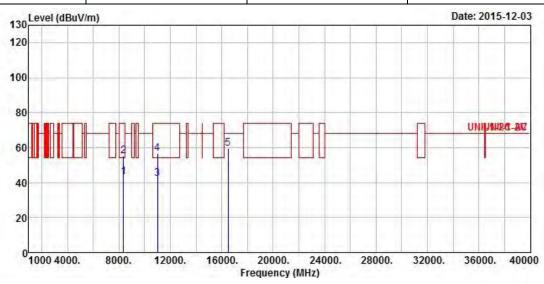
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.

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

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Tra	Transmitter Radiated Unwanted Emissions (Above 1GHz)					
Modulation Mode	HT20	Test Freq. (MHz)	5500			
N _{TX}	1	Polarization	V			

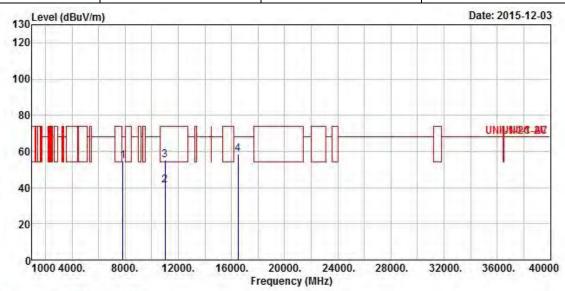


			Over	Limit	Read	Antenna	Cable	Preamp	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-
1	8351.000	42.98	-11.02	54.00	30.42	37.51	7.99	32.94	Average
2	8351.000	55.34	-18.66	74.00	42.78	37.51	7.99	32.94	Peak
3	11000.000	42.33	-11.67	54.00	27.89	38.50	8.44	32.50	Average
4	11000.000	56.42	-17.58	74.00	41.98	38.50	8.44	32.50	Peak
5	16500.000	59.44	-8.76	68.20	44.12	37.90	9.51	32.09	Peak

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

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Tra	Transmitter Radiated Unwanted Emissions (Above 1GHz)							
Modulation Mode	HT20	Test Freq. (MHz)	5500					
N_{TX}	1	Polarization	Н					



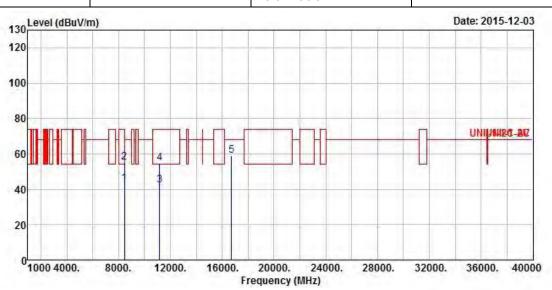
	Freq	Level	Over Limit	Limit Line		Antenna Factor			
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7841.000	54.77	-13.43	68.20	42.73	36.90	8.05	32.91	Peak
2	11000.000	41.47	-12.53	54.00	27.03	38.50	8.44	32.50	Average
3	11000.000	55.01	-18.99	74.00	40.57	38.50	8.44	32.50	Peak
4	16500.000	58.73	-9.47	68.20	43.41	37.90	9.51	32.09	Peak

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

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	Transmitter Radiated Unwanted Emissions (Above 1GHz)							
Modulation Mode	HT20	Test Freq. (MHz)	5580					
N _{TX}	1	Polarization	V					

Report No.: FR462302-02AN



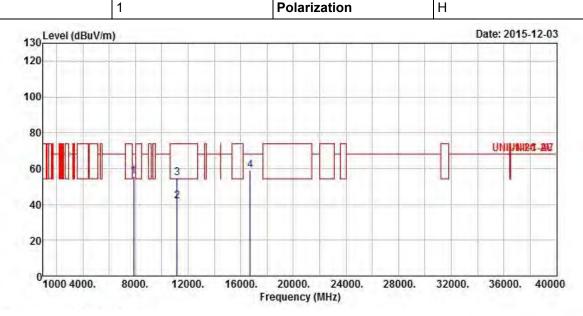
	Freq	Level	Over Limit	Limit Line		Antenna Factor		the second second second second	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	8462.000	43.08	-10.92	54.00	30.41	37.66	7.95	32.94	Average
2	8462.000	55.02	-18.98	74.00	42.35	37.66	7.95	32.94	Peak
3	11160.000	42.37	-11.63	54.00	27.69	38.73	8.44	32.49	Average
4	11160.000	54.92	-19.08	74.00	40.24	38.73	8.44	32.49	Peak
5	16740.000	58.90	-9.30	68.20	42.51	38.87	9.31	31.79	Peak

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

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Tra	Transmitter Radiated Unwanted Emissions (Above 1GHz)							
Modulation Mode	HT20	Test Freq. (MHz)	5580					
N _{TX}	1	Polarization	Н					

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	Freq	Level				Antenna Factor			Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7862.000	55.59	-12.61	68.20	43.51	36.94	8.06	32.92	Peak
2	11160.000	41.70	-12.30	54.00	27.02	38.73	8.44	32.49	Average
3	11160.000	54.81	-19.19	74.00	40.13	38.73	8.44	32.49	Peak
4	16740.000	58.79	-9.41	68.20	42.40	38.87	9.31	31.79	Peak

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

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

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

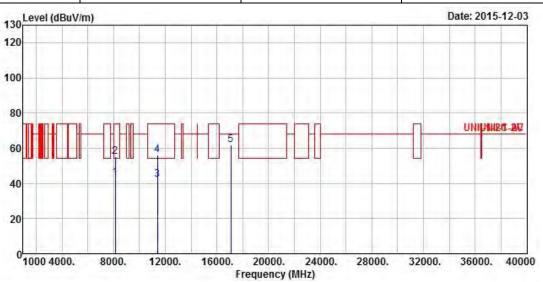
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

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Tra	Transmitter Radiated Unwanted Emissions (Above 1GHz)							
Modulation Mode	HT20	Test Freq. (MHz)	5700					
N _{TX}	1	Polarization	V					



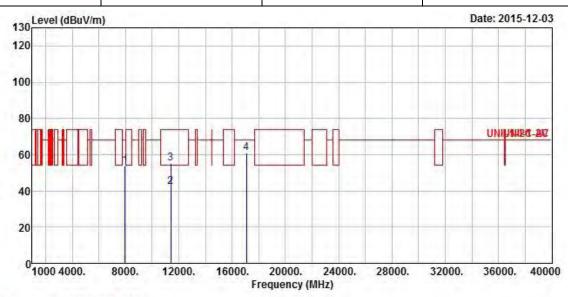
			Over	Limit	Read	Antenna	Cable	Preamp	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	8145.000	43.23	-10.77	54.00	30.85	37.27	8.05	32.94	Average
2	8145.000	55.34	-18.66	74.00	42.96	37.27	8.05	32.94	Peak
3	11400.000	42.27	-11.73	54.00	27.23	39.06	8.45	32.47	Average
4	11400.000	55.93	-18.07	74.00	40.89	39.06	8.45	32.47	Peak
5	17100.000	61.80	-6.40	68.20	43.52	40.68	9.09	31.49	Peak

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

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Transmitter Radiated Unwanted Emissions (Above 1GHz)								
Modulation Mode	HT20	Test Freq. (MHz)	5700					
N _{TX}	1	Polarization	Н					

Report No.: FR462302-02AN



	Freq	Level				Antenna Factor			
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7963.000	53.65	-14.55	68.20	41.42	37.06	8.10	32.93	Peak
2	11400.000	42.03	-11.97	54.00	26.99	39.06	8.45	32.47	Average
3	11400.000	55.07	-18.93	74.00	40.03	39.06	8.45	32.47	Peak
4	17100.000	60.71	-7.49	68.20	42.43	40.68	9.09	31.49	Peak

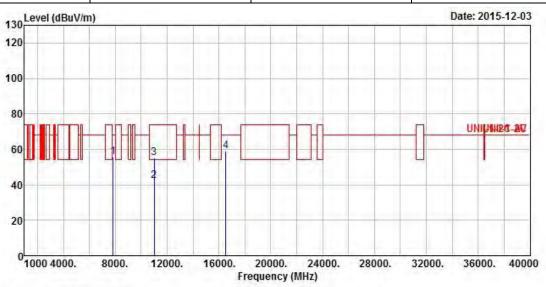
- Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
- Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
- Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
- Note 4: For restricted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

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Tra	Transmitter Radiated Unwanted Emissions (Above 1GHz)						
Modulation Mode	HT40	Test Freq. (MHz)	5510				
N _{TX}	1	Polarization	V				



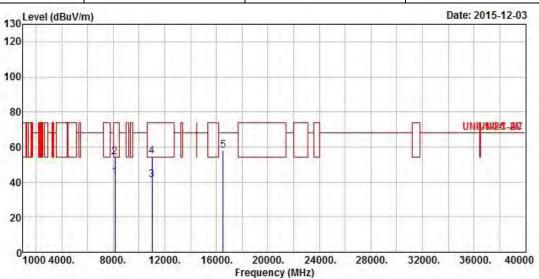
	Freq	Level		Limit Line					Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7841.000	55.64	-12.56	68.20	43.60	36.90	8.05	32.91	Peak
2	11020.000	42.10	-11.90	54.00	27.64	38.52	8.44	32.50	Average
3	11020.000	55.34	-18.66	74.00	40.88	38.52	8.44	32.50	Peak
4	16530.000	59.08	-9.12	68.20	43.62	38.04	9.48	32.06	Peak

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

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Transmitter Radiated Unwanted Emissions (Above 1GHz)								
Modulation Mode HT40 Test Freq. (MHz) 5510								
N_{TX}	1	Polarization	Н					

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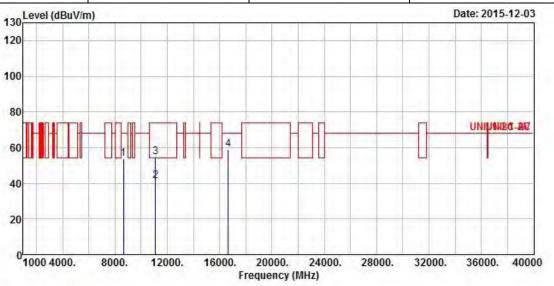


	Freq	Level	Over Limit	Limit Line		Antenna Factor		Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	8145.000	42.91	-11.09	54.00	30.53	37.27	8.05	32.94	Average
2	8145.000	54.38	-19.62	74.00	42.00	37.27	8.05	32.94	Peak
3	11020.000	41.49	-12.51	54.00	27.03	38.52	8.44	32.50	Average
4	11020.000	54.50	-19.50	74.00	40.04	38.52	8.44	32.50	Peak
5	16530.000	58.11	-10.09	68.20	42.65	38.04	9.48	32.06	Peak

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

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Transmitter Radiated Unwanted Emissions (Above 1GHz)								
Modulation Mode	HT40	Test Freq. (MHz)	5550					
N _{TX}	1	Polarization	V					



	Freq	Level	Over Limit			Antenna Factor			
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	8641.000	53.55	-14.65	68.20	40.87	37.73	7.94	32.99	Peak
2	11100.000	41.48	-12.52	54.00	26.89	38.64	8.44	32.49	Average
3	11100.000	54.67	-19.33	74.00	40.08	38.64	8.44	32.49	Peak
4	16650.000	58.80	-9.40	68.20	42.78	38.52	9.39	31.89	Peak

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

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

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

Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

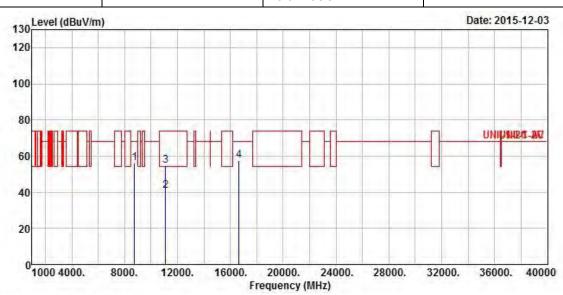
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.

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

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Transmitter Radiated Unwanted Emissions (Above 1GHz)								
Modulation Mode	HT40	Test Freq. (MHz)	5550					
N _{TY}	1	Polarization	Н					

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	Freq	Level				Antenna Factor		Contract of the Contract of th	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		7
1	8752.000	56.28	-11.92	68.20	43.62	37.75	7.94	33.03	Peak	
2	11100.000	40.72	-13.28	54.00	26.13	38.64	8.44	32.49	Average	
3	11100.000	54.60	-19.40	74.00	40.01	38.64	8.44	32.49	Peak	
4	16650.000	57.65	-10.55	68.20	41.63	38.52	9.39	31.89	Peak	

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

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

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

Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

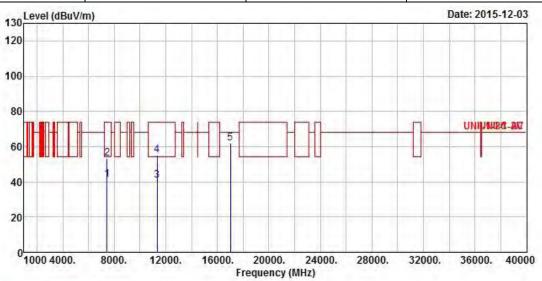
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.

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

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Transmitter Radiated Unwanted Emissions (Above 1GHz)								
Modulation Mode	HT40	Test Freq. (MHz)	5670					
N_{TX}	1	Polarization	V					



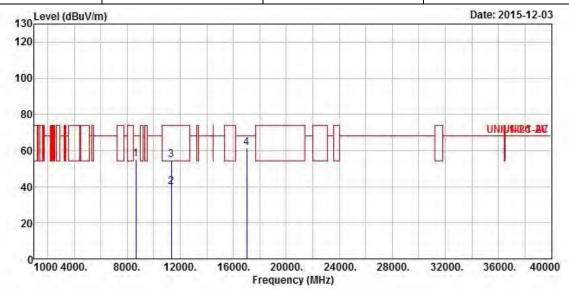
	Freq	Level	Over Limit			Antenna Factor		Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7452.000	41.25	-12.75	54.00	29.76	36.41	7.93	32.85	Average
2	7452.000	53.27	-20.73	74.00	41.78	36.41	7.93	32.85	Peak
3	11340.000	40.63	-13.37	54.00	25.68	38.97	8.45	32.47	Average
4	11340.000	54.97	-19.03	74.00	40.02	38.97	8.45	32.47	Peak
5	17010.000	61.73	-6.47	68.20	44.05	40.03	9.12	31.47	Peak

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

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Tra	Transmitter Radiated Unwanted Emissions (Above 1GHz)								
Modulation Mode	HT40	Test Freq. (MHz)	5670						
N _{TX}	1	Polarization	Н						

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				Limit ReadAr		ntenna Cable		Preamp		
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		_
1	8645.000	55.13	-13.07	68.20	42.45	37.73	7.94	32.99	Peak	
2	11340.000	39.83	-14.17	54.00	24.88	38.97	8.45	32.47	Average	
3	11340.000	54.57	-19.43	74.00	39.62	38.97	8.45	32.47	Peak	
4	17010.000	61.46	-6.74	68.20	43.78	40.03	9.12	31.47	Peak	

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

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

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

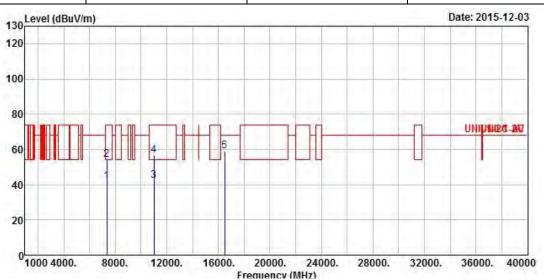
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

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Transmitter Radiated Unwanted Emissions (Above 1GHz)								
Modulation Mode	VHT20	Test Freq. (MHz)	5500					
N _{TX}	1	Polarization	V					



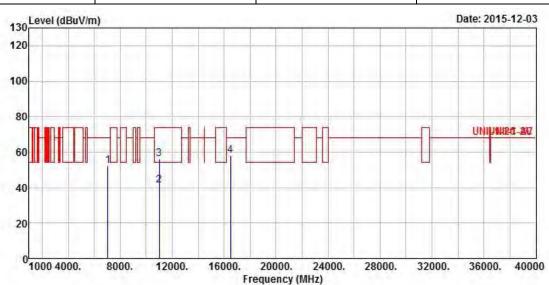
	Freq	Level	Over Limit	Limit Line		Antenna Factor			Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-
1	7362.000	41.65	-12.35	54.00	30.40	36.14	7.92	32.81	Average
2	7362.000	53.98	-20.02	74.00	42.73	36.14	7.92	32.81	Peak
3	11000.000	42.43	-11.57	54.00	27.99	38.50	8.44	32.50	Average
4	11000.000	56.47	-17.53	74.00	42.03	38.50	8.44	32.50	Peak
5	16500.000	59.21	-8.99	68.20	43.89	37.90	9.51	32.09	Peak

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

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Transmitter Radiated Unwanted Emissions (Above 1GHz)							
Modulation Mode	VHT20	Test Freq. (MHz)	5500				
N _{TX}	1	Polarization	Н				

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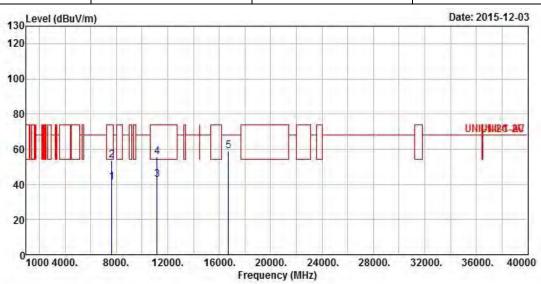


	Freq	Level		Limit Line					Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7041.000	52.31	-15.89	68.20	41.86	35.29	7.88	32.72	Peak
2	11000.000	41.47	-12.53	54.00	27.03	38.50	8.44	32.50	Average
3	11000.000	56.31	-17.69	74.00	41.87	38.50	8.44	32.50	Peak
4	16500.000	57.88	-10.32	68.20	42.56	37.90	9.51	32.09	Peak

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

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Transmitter Radiated Unwanted Emissions (Above 1GHz)							
Modulation ModeVHT20Test Freq. (MHz)5580							
N _{TX}	Polarization	V					



	Freq	Level				Antenna Factor			Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-
1	7641.000	41.30	-12.70	54.00	29.52	36.68	7.98	32.88	Average
2	7641.000	53.77	-20.23	74.00	41.99	36.68	7.98	32.88	Peak
3	11160.000	42.57	-11.43	54.00	27.89	38.73	8.44	32.49	Average
4	11160.000	55.47	-18.53	74.00	40.79	38.73	8.44	32.49	Peak
5	16740.000	59.24	-8.96	68.20	42.85	38.87	9.31	31.79	Peak

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

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

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

Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

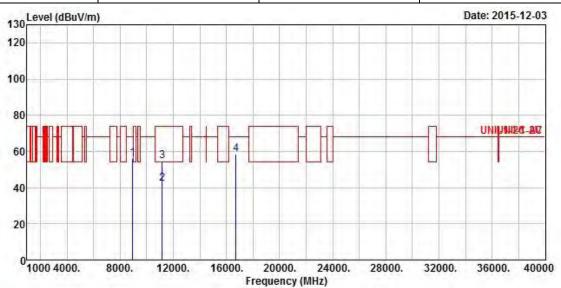
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.

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

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Transmitter Radiated Unwanted Emissions (Above 1GHz)							
Modulation Mode	Test Freq. (MHz)	5580					
N _{TX}	1	Polarization	Н				

Report No.: FR462302-02AN



Freq	Level								
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		-
8941.000	56.26	-11.94	68.20	43.61	37.79	7.94	33.08	Peak	
11160.000	42.03	-11.97	54.00	27.35	38.73	8.44	32.49	Average	
11160.000	54.92	-19.08	74.00	40.24	38.73	8.44	32.49	Peak	
16740.000	58.37	-9.83	68.20	41.98	38.87	9.31	31.79	Peak	
	MHz 8941.000 11160.000 11160.000	MHz dBuV/m 8941.000 56.26 11160.000 42.03 11160.000 54.92	Freq Level Limit MHz dBuV/m dB 8941.000 56.26 -11.94 11160.000 42.03 -11.97 11160.000 54.92 -19.08	MHz dBuV/m dB dBuV/m 8941.000 56.26 -11.94 68.20 11160.000 42.03 -11.97 54.00 11160.000 54.92 -19.08 74.00	Freq Level Limit Line Level MHz dBuV/m dB dBuV/m dBuV 8941.000 56.26 -11.94 68.20 43.61 11160.000 42.03 -11.97 54.00 27.35 11160.000 54.92 -19.08 74.00 40.24	Freq Level Limit Line Level Factor MHz dBuV/m dB dBuV/m dBuV dB/m 8941.000 56.26 -11.94 68.20 43.61 37.79 11160.000 42.03 -11.97 54.00 27.35 38.73 11160.000 54.92 -19.08 74.00 40.24 38.73	Freq Level Limit Line Level Factor Loss MHz dBuV/m dB dBuV/m dBuV dB/m dB 8941.000 56.26 -11.94 68.20 43.61 37.79 7.94 11160.000 42.03 -11.97 54.00 27.35 38.73 8.44 11160.000 54.92 -19.08 74.00 40.24 38.73 8.44	Freq Level Limit Line Level Factor Loss Factor MHz dBuV/m dB dBuV/m dBuV dB/m dB dB 8941.000 56.26 -11.94 68.20 43.61 37.79 7.94 33.08 11160.000 42.03 -11.97 54.00 27.35 38.73 8.44 32.49 11160.000 54.92 -19.08 74.00 40.24 38.73 8.44 32.49	Freq Level Limit Line Level Factor Loss Factor Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB 8941.000 56.26 -11.94 68.20 43.61 37.79 7.94 33.08 Peak 11160.000 42.03 -11.97 54.00 27.35 38.73 8.44 32.49 Average 11160.000 54.92 -19.08 74.00 40.24 38.73 8.44 32.49 Peak

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

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

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

Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

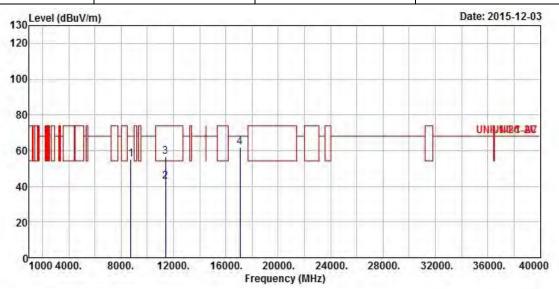
Note 5: For un-restricted bands emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm peak emission limit of 15.407.

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

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Transmitter Radiated Unwanted Emissions (Above 1GHz)							
Modulation Mode	VHT20	Test Freq. (MHz)	5700				
N _{TX}	1	Polarization	V				

Report No.: FR462302-02AN



	Freq	Level				Antenna Factor				
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		-
1	8742.000	55.40	-12.80	68.20	42.74	37.75	7.94	33.03	Peak	
2	11400.000	42.67	-11.33	54.00	27.63	39.06	8.45	32.47	Average	
3	11400.000	56.67	-17.33	74.00	41.63	39.06	8.45	32.47	Peak	
4	17100.000	62.03	-6.17	68.20	43.75	40.68	9.09	31.49	Peak	

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

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

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

Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

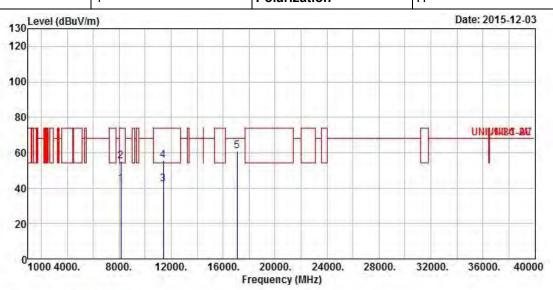
SPORTON INTERNATIONAL INC. Page No. : 88 of 101 TEL: 886-3-327-3456 Report Version : Rev. 01

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode VHT20 Test Freq. (MHz) 5700

N_{TX} 1 Polarization H

Report No.: FR462302-02AN



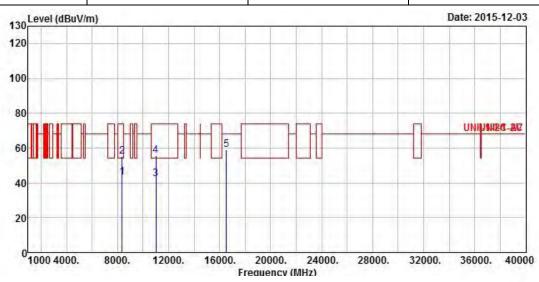
			Over	Limit	ReadA	Antenna	Cable	Preamp	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	8145.000	42.24	-11.76	54.00	29.86	37.27	8.05	32.94	Average
2	8145.000	55.13	-18.87	74.00	42.75	37.27	8.05	32.94	Peak
3	11400.000	42.07	-11.93	54.00	27.03	39.06	8.45	32.47	Average
4	11400.000	55.57	-18.43	74.00	40.53	39.06	8.45	32.47	Peak
5	17100.000	61.02	-7.18	68.20	42.74	40.68	9.09	31.49	Peak

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

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Transmitter Radiated Unwanted Emissions (Above 1GHz)							
Modulation Mode	VHT40	Test Freq. (MHz)	5510				
N _{TX}	1	Polarization	V				

Report No.: FR462302-02AN



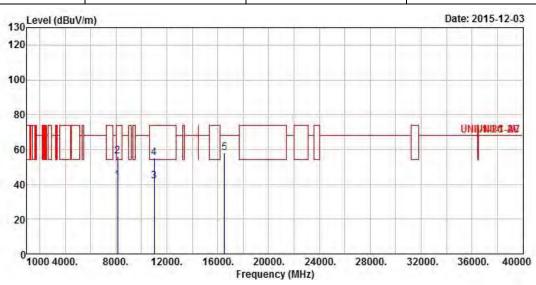
	Freq	Level	Over Limit	Limit Line		Antenna Factor		Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	_
1	8362.000	43.32	-10.68	54.00	30.75	37.53	7.98	32.94	Average
2	8362.000	55.33	-18.67	74.00	42.76	37.53	7.98	32.94	Peak
3	11020.000	42.45	-11.55	54.00	27.99	38.52	8.44	32.50	Average
4	11020.000	55.46	-18.54	74.00	41.00	38.52	8.44	32.50	Peak
5	16530.000	59.24	-8.96	68.20	43.78	38.04	9.48	32.06	Peak

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

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Transmitter Radiated Unwanted Emissions (Above 1GHz)							
Modulation Mode VHT40 Test Freq. (MHz) 5510							
N _{TX}	1	Polarization	Н				

Report No.: FR462302-02AN



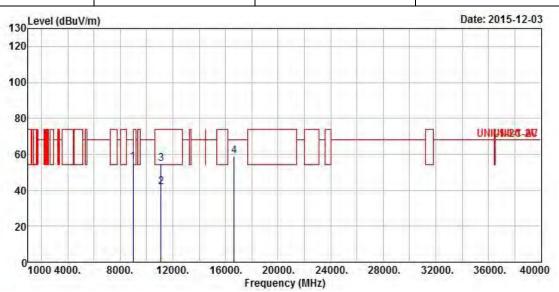
	Freq	Level		Limit Line				The second second second	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	8145.000	42.34	-11.66	54.00	29.96	37.27	8.05	32.94	Average
2	8145.000	55.99	-18.01	74.00	43.61	37.27	8.05	32.94	Peak
3	11020.000	41.70	-12.30	54.00	27.24	38.52	8.44	32.50	Average
4	11020.000	55.34	-18.66	74.00	40.88	38.52	8.44	32.50	Peak
5	16530.000	58.11	-10.09	68.20	42.65	38.04	9.48	32.06	Peak

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

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Transmitter Radiated Unwanted Emissions (Above 1GHz)								
Modulation Mode	VHT40	Test Freq. (MHz)	5550					
N _{TX}	1	Polarization	V					

Report No.: FR462302-02AN



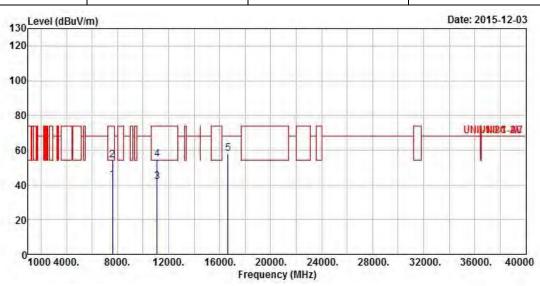
	Freq	Level				Antenna Factor		The second second	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	8974.000	55.59	-12.61	68.20	42.96	37.79	7.94	33.10	Peak
2	11100.000	41.60	-12.40	54.00	27.01	38.64	8.44	32.49	Average
3	11100.000	54.91	-19.09	74.00	40.32	38.64	8.44	32.49	Peak
4	16650.000	59.00	-9.20	68.20	42.98	38.52	9.39	31.89	Peak

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

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Tr	Transmitter Radiated Unwanted Emissions (Above 1GHz)									
Modulation Mode	VHT40	Test Freq. (MHz)	5550							
N _{TX}	1	Polarization	Н							

Report No.: FR462302-02AN



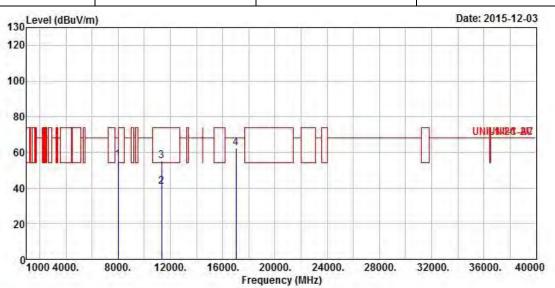
	Freq	Level	Over Limit	Limit Line		Antenna Factor			Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7596.000	42.46	-11.54	54.00	30.75	36.62	7.97	32.88	Average
2	7596.000	54.32	-19.68	74.00	42.61	36.62	7.97	32.88	Peak
3	11100.000	41.58	-12.42	54.00	26.99	38.64	8.44	32.49	Average
4	11100.000	54.48	-19.52	74.00	39.89	38.64	8.44	32.49	Peak
5	16650.000	58.01	-10.19	68.20	41.99	38.52	9.39	31.89	Peak

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

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

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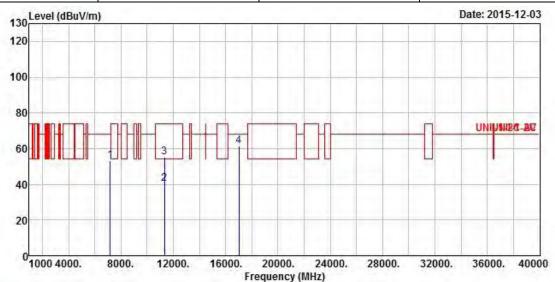
	Freq	Level	Over Limit			Antenna Factor			
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-
1	7994.000	55.86	-12.34	68.20	43.62	37.08	8.10	32.94	Peak
2	11340.000	40.92	-13.08	54.00	25.97	38.97	8.45	32.47	Average
3	11340.000	55.17	-18.83	74.00	40.22	38.97	8.45	32.47	Peak
4	17010.000	62.21	-5.99	68.20	44.53	40.03	9.12	31.47	Peak

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

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



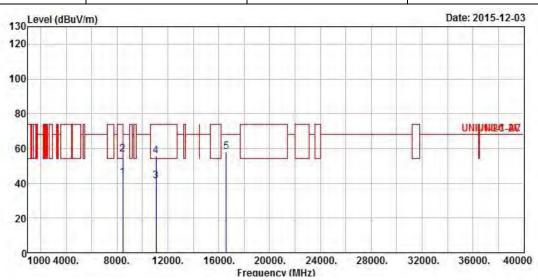
Freq	Level							
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
7185.000	53.44	-14.76	68.20	42.62	35.69	7.90	32.77	Peak
11340.000	40.36	-13.64	54.00	25.41	38.97	8.45	32.47	Average
11340.000	54.93	-19.07	74.00	39.98	38.97	8.45	32.47	Peak
17010.000	61.30	-6.90	68.20	43.62	40.03	9.12	31.47	Peak
	7185.000 11340.000 11340.000	MHz dBuV/m 7185.000 53.44 11340.000 40.36 11340.000 54.93	Freq Level Limit MHz dBuV/m dB 7185.000 53.44 -14.76 11340.000 40.36 -13.64 11340.000 54.93 -19.07	Freq Level Limit Line MHz dBuV/m dB dBuV/m 7185.000 53.44 -14.76 68.20 11340.000 40.36 -13.64 54.00 11340.000 54.93 -19.07 74.00	Freq Level Limit Line Level MHz dBuV/m dB dBuV/m dBuV 7185.000 53.44 -14.76 68.20 42.62 11340.000 40.36 -13.64 54.00 25.41 11340.000 54.93 -19.07 74.00 39.98	Freq Level Limit Line Level Factor MHz dBuV/m dB dBuV/m dBuV dB/m 7185.000 53.44 -14.76 68.20 42.62 35.69 11340.000 40.36 -13.64 54.00 25.41 38.97 11340.000 54.93 -19.07 74.00 39.98 38.97	Freq Level Limit Line Level Factor Loss MHz dBuV/m dB dBuV/m dBuV dB/m dB 7185.000 53.44 -14.76 68.20 42.62 35.69 7.90 11340.000 40.36 -13.64 54.00 25.41 38.97 8.45 11340.000 54.93 -19.07 74.00 39.98 38.97 8.45	7185.000 53.44 -14.76 68.20 42.62 35.69 7.90 32.77 11340.000 40.36 -13.64 54.00 25.41 38.97 8.45 32.47 11340.000 54.93 -19.07 74.00 39.98 38.97 8.45 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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Transmitter Radiated Unwanted Emissions (Above 1GHz)								
Modulation Mode	VHT80	Test Freq. (MHz)	5530					
N _{TX}	1	Polarization	V					

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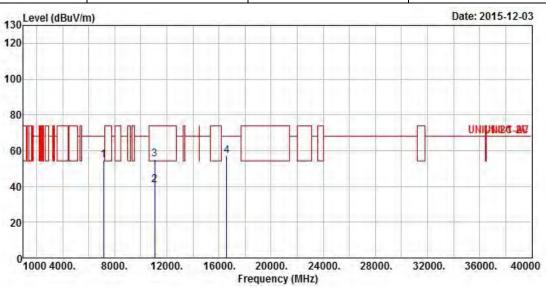


	Freq	Level	Over Limit			Antenna Factor			
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	8463.000	43.29	-10.71	54.00	30.62	37.66	7.95	32.94	Average
2	8463.000	56.59	-17.41	74.00	43.92	37.66	7.95	32.94	Peak
3	11060.000	41.06	-12.94	54.00	26.52	38.59	8.44	32.49	Average
4	11060.000	55.86	-18.14	74.00	41.32	38.59	8.44	32.49	Peak
5	16590.000	58.13	-10.07	68.20	42.46	38.24	9.42	31.99	Peak

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

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Transmitter Radiated Unwanted Emissions (Above 1GHz)								
Modulation Mode	VHT80	Test Freq. (MHz)	1z) 5530					
N_{TX}	1	Polarization	Н					



	Freq	Level		Limit Line				Contract of the second	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	7145.000	54.68	-13.52	68.20	43.99	35.56	7.89	32.76	Peak
2	11060.000	40.57	-13.43	54.00	26.03	38.59	8.44	32.49	Average
3	11060.000	55.29	-18.71	74.00	40.75	38.59	8.44	32.49	Peak
4	16590.000	57.26	-10.94	68.20	41.59	38.24	9.42	31.99	Peak

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

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

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

Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

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3.7 Frequency Stability

3.7.1 Frequency Stability Limit

	Frequency Stability Limit							
UN	UNII 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.							
LE-	LE-LAN Devices							
\boxtimes	N/A							
IEE	IEEE Std. 802.11n-2009							
	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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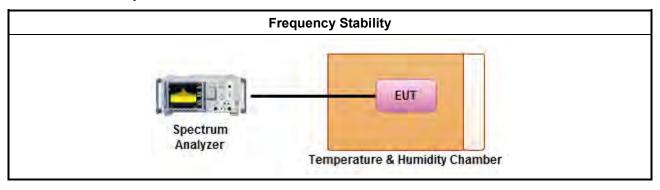
3.7.2 Measuring Instruments

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							
	\boxtimes	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	5300	-4.5868	-4.8340	-4.9962	-4.9151			
T _{20°C} Vmin	5300	-4.6698	-4.7509	-4.9151	-4.9962			
T _{50°C} Vnom	5300	-0.4094	0.0000	0.2453	0.4094			
T _{40°C} Vnom	5300	-3.7679	-3.7679	-3.6868	-3.5226			
T _{30°C} Vnom	5300	-4.9151	-4.9962	-4.9962	-4.9962			
T _{20°C} Vnom	5300	-4.5868	-4.7509	-4.8340	-4.9962			
T _{10°C} Vnom	5300	-2.9491	-3.1943	-3.2774	-3.3585			
T _{0°C} Vnom	5300	0.8113	-0.1642	-0.2453	-0.5736			
T _{-10°C} Vnom	5300	2.2679	2.3755	2.2943	2.0472			
T _{-20°C} Vnom	5300	4.0132	4.2604	4.5057	4.6698			
Limit (ppm)		20						
Res	sult	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
LISN (Support Unit)	EMCO	3810/2NM	9703-1839	9kHz ~ 30MHz	Apr. 28, 2015	AC Conduction
RF Cable-CON	HUBER+SUHNER	RG213/U	07611832020001	9kHz ~ 30MHz	Oct. 30, 2015	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. NCR: No calibration request.

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Spectrum Analyzer	R&S	FSV 40	101500	9KHz~40GHz	May 05, 2015	RF Conducted
Temp. and Humidity Chamber	Giant Force	GTH-225-20-SP-SD	MAA1112-007	-20 ~ 100°C	Apr. 07, 2015	RF Conducted
Power Sensor	Anritsu	MA2411B	0917017	300MHz ~ 40GHz	Feb. 17, 2015	RF Conducted
Power Meter	Anritsu	ML2495A	0949003	300MHz ~ 40GHz	Feb. 17, 2015	RF Conducted
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	Jul. 28, 2015	RF Conducted

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

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Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz ~ 1GHz 3m	Nov. 28, 2015	Radiated Emission
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz ~ 18GHz 3m	Dec. 17, 2014	Radiated Emission
Amplifier	HP	8447D	2944A08033	10kHz ~ 1.3GHz	May 11, 2015	Radiated Emission
Amplifier	Agilent	8449B	3008A02120	1GHz ~ 26.5GHz	Sep. 02, 2015	Radiated Emission
Spectrum	R&S	FSP40	100004	9kHz ~ 40GHz	Apr. 02, 2015	Radiated Emission
Bilog Antenna	SCHAFFNER	CBL 6112D	22237	30MHz ~ 1GHz	Sep. 18, 2015	Radiated Emission
Horn Antenna	ETS · LINDGREN	3115	6741	1GHz ~ 18GHz	Jul. 15, 2015	Radiated Emission
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170154	18GHz ~ 40GHz	Jan. 27, 2015	Radiated Emission
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz ~ 1GHz	Oct. 28, 2015	Radiated Emission
RF Cable-high	SUHNER	SUCOFLEX 106	03CH03-HY	1GHz ~ 40GHz	Oct. 29, 2015	Radiated Emission
Turn Table	EM Electronics	EM Electronics	060615	0 ~ 360 degree	N/A	Radiated Emission
Antenna Mast	MF	MF-7802	MF780208179	1 ~ 4 m	N/A	Radiated Emission

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Note: Calibration Interval of instruments listed above is one year. NCR: No calibration request.

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Amplifier	MITEQ	JS44-18004000- 33-8P	1840917	18GHz ~ 40GHz	Jun. 02, 2015	Radiated Emission
Loop Antenna	R&S	HFH2-Z2	100330	9 kHz~30 MHz	Nov.16.2015	Radiated Emission

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

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