

FCC Test Report

Equipment : Personal Computer
Brand Name : SONY
Model No. : SVT112A4LL
FCC ID : AK8SVT112A4LL
Standard : 47 CFR FCC Part 15.407
Operating Band : 5150 MHz – 5250 MHz
5250 MHz – 5350 MHz
5470 MHz – 5725 MHz
FCC Classification : NII
Applicant : Sony Corporation
Manufacturer : 1-7-1 Konan, Minato-ku, Tokyo 108-0075, Japan
Operate Mode : Client without radar detection

The product sample received on Aug. 12, 2013 and completely tested on Nov. 07, 2013. We, SPORTON, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2009 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:


Wayne Hsu / Assistant Manager

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Summary of Test Result

Conformance Test Specifications					
Report Clause	Ref. Std. Clause	Description	Measured	Limit	Result
1.1.2	15.203	Antenna Requirement	Antenna connector mechanism complied	FCC 15.203	Complied
3.1	15.207	AC Power-line Conducted Emissions	[dBuV]: 0.1996860MHz 42.59 (Margin 11.03dB) - AV 57.89 (Margin 5.73dB) - QP	FCC 15.207	Complied
3.2	15.407(a)	Emission Bandwidth	Bandwidth [MHz] 11a:20.34 HT20M:20.83 HT40M: 39.48 VHT20M:20.55 VHT40M:38.40 VHT80M: 78.56	Information only	Complied
3.3	15.407(a)	RF Output Power (Maximum Conducted Output Power)	Power [dBm] 5150-5250MHz:14.02 5250-5350MHz:14.44 5470-5725MHz:14.99	Power [dBm] 5150-5250MHz:17 5250-5350MHz:24 5470-5725MHz:24	Complied
3.4	15.407(a)	Peak Power Spectral Density	PPSD [dBm/MHz] 5150-5250MHz:2.79 5250-5350MHz:3.29 5470-5725MHz:4.71	PPSD [dBm/MHz] 5150-5250MHz:4 5250-5350MHz:11 5470-5725MHz:11	Complied
3.5	15.407(a)	Peak Excursion	10.16dB	13 dB	Complied
3.6	15.407(b)	Transmitter Bandedge Emissions	Restricted Bands [dBuV/m at 1.0m]: 5149.990MHz 77.51 (Margin 6.03dB) - PK 61.32 (Margin 2.22dB) - AV	Non-Restricted Bands: ≤ -27 dBm (77.84dBuV/m@1m) Restricted Bands: FCC 15.209	Complied
3.7	15.407(b)	Transmitter Unwanted Emissions	Restricted Bands [dBuV/m at 1.0m]: 378.230MHz 40.20 (Margin 5.80dB) - PK	Non-Restricted Bands: ≤ -27 dBm (77.84dBuV/m@1m) Restricted Bands: FCC 15.209	Complied
3.8	15.407(g)	Frequency Stability	4.4226 ppm	Signal shall remain in-band	Complied

Revision History

[illegible]

1 General Description

1.1 Information

1.1.1 RF General Information

RF General Information					
Frequency Range (MHz)	IEEE Std. 802.11	Ch. Freq. (MHz)	Channel Number	Transmit Chains (N _{TX})	RF Output Power (dBm)
5150-5250	a	5180-5240	36-48 [4]	1	13.96
5250-5350		5260-5320	52-64 [4]	1	14.33
5470-5725		5500-5700	100-140 [8]	1	14.91
straddle 5725		5720	144	1	8.85
5150-5250	(HT20)	5180-5240	36-48 [3]	1	13.95
5250-5350		5260-5320	52-64 [4]	1	14.30
5470-5725		5500-5720	100-144 [4]	1	14.99
straddle 5725		5720	144	1	9.36
5150-5250	(HT20)	5180-5240	36-48 [3]	2	10.84
5250-5350		5260-5320	52-64 [4]	2	11.44
5470-5725		5500-5720	100-144 [4]	2	11.98
straddle 5725		5720	144	2	6.18
5150-5250	(HT40)	5190-5230	38-46 [2]	1	14.00
5250-5350		5270-5310	54-62 [2]	1	10.96
5470-5725		5510-5710	102-142 [4]	1	14.85
straddle 5725		5710	142	1	2.12
5150-5250	(HT40)	5190-5230	38-46 [2]	2	10.99
5250-5350		5270-5310	54-62 [2]	2	8.96
5470-5725		5510-5710	102-142 [4]	2	12.00
straddle 5725		5710	142	2	-0.99

Note 1: RF output power specifies that Maximum Conducted Output Power.
 Note 2: 802.11a/n uses a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
 Note 3: 802.11ac uses a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
 Note 4: Co-location, Co-location is generally defined as simultaneously transmitting (co-transmitting) antennas within 20 cm of each other. (i.e., EUT has simultaneously co-transmitting that operating 2.4GHz and 5GHz.)

RF General Information					
Frequency Range (MHz)	IEEE Std. 802.11	Ch. Freq. (MHz)	Channel Number	Transmit Chains (N _{TX})	RF Output Power (dBm)
5150-5250	ac (VHT20)	5180-5240	36-48 [3]	1	14.02
5250-5350		5260-5320	52-64 [4]	1	14.44
5470-5725		5500-5720	100-144 [4]	1	14.80
straddle 5725		5720	144	1	9.32
5150-5250	ac (VHT20)	5180-5240	36-48 [3]	2	10.87
5250-5350		5260-5320	52-64 [4]	2	11.45
5470-5725		5500-5720	100-144 [4]	2	11.80
straddle 5725		5720	144	2	6.15
5150-5250	ac (VHT40)	5190-5230	38-46 [2]	1	13.93
5250-5350		5270-5310	54-62 [2]	1	11.05
5470-5725		5510-5710	102-142 [4]	1	14.91
straddle 5725		5710	142	1	2.16
5150-5250	ac (VHT40)	5190-5230	38-46 [2]	1	10.94
5250-5350		5270-5310	54-62 [2]	1	8.93
5470-5725		5510-5710	102-142 [4]	1	11.98
straddle 5725		5710	142	1	-1.02
5150-5250	ac (VHT80)	5210	48 [1]	1	7.95
5250-5350		5290	58 [1]	1	9.43
5470-5725		5530-5690	106-138 [3]	1	12.46
straddle 5725		5690	138	1	-4.43
5150-5250	ac (VHT80)	5210	48 [1]	1	6.45
5250-5350		5290	58 [1]	1	7.48
5470-5725		5530-5690	106-138 [3]	1	11.96
straddle 5725		5690	138	1	-5.11

Note 1: RF output power specifies that Maximum Conducted Output Power.
Note 2: 802.11a/n uses a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
Note 3: 802.11ac uses a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
Note 4: Co-location, Co-location is generally defined as simultaneously transmitting (co-transmitting) antennas within 20 cm of each other. (i.e., EUT has simultaneously co-transmitting that operating 2.4GHz and 5GHz.)

1.1.2 Antenna Information

Antenna Category	
☒	Integral antenna (antenna permanently attached)
☒	Temporary RF connector provided
☐	No temporary RF connector provided Transmit chains bypass antenna and soldered temporary RF connector provided for connected measurement. In case of conducted measurements the transmitter shall be connected to the measuring equipment via a suitable attenuator and correct for all losses in the RF path.

Antenna General Information			
No.	Ant. Cat.	Ant. Type	Gain (dBi)
1	Integral	PIFA	-0.65
2	Integral	PIFA	-1.45

Reminder: The EUT was pre-tested Antenna Port 1 and Antenna Port 2 for single chain, the worst case was Antenna Port 1. Therefore only the test data recorded in this report.

1.1.3 Type of EUT

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

1.1.4 Test Signal Duty Cycle

Operated Mode for Worst Duty Cycle		
☐ Operated normally mode for worst duty cycle		
☒ Operated test mode for worst duty cycle		
Test Signal Duty Cycle (x)	N _{TX}	Power Duty Factor [dB] – (10 log 1/x)
☒ 99.00% - IEEE 802.11a	1	0.04
☒ 99.00% - IEEE 802.11n (HT20)	1	0.04
☒ 98.00% - IEEE 802.11n (HT20)	2	0.09
☒ 98.00% - IEEE 802.11n (HT40)	1	0.09
☒ 96.00% - IEEE 802.11n (HT40)	2	0.18
☒ 99.00% - IEEE 802.11ac (VHT20)	1	0.04
☒ 98.00% - IEEE 802.11ac (VHT20)	2	0.09
☒ 98.00% - IEEE 802.11ac (VHT40)	1	0.09
☒ 96.00% - IEEE 802.11ac (VHT40)	2	0.18
☒ 95.00% - IEEE 802.11ac (VHT80)	1	0.22
☒ 92.00% - IEEE 802.11ac (VHT80)	2	0.36

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

1.1.5 EUT Operational Condition

Supply Voltage	☒ AC mains	☒ DC	
Type of DC Source	☐ Internal DC supply	☒ External DC adapter	☒ Li-on Battery

1.1.6 DFS and TPC Information

The DFS Related Operating Mode(s) of the Equipment			
☐ Master			
☐ Cilent with radar detection			
☒ Cilent without radar detection			
Software / Firmware Version		16.1.0.13	
Communication Mode		☒ IP Based (Load Based)	☐ Frame Based
IEEE Std. 802.11	Frequency Range (MHz)	TPC (Transmit Power Control)	Passive Scan
a / n (HT20)	☒ 5250-5350	Yes	Yes
n (HT40)	☒ 5470-5725	Yes	Yes



1.1.7 Operation under 15.247 and 15.407 above 5.725 GHz

Limitations on simultaneous operation under 15.247 and 15.407 above 5.725 GHz	
☒	Simultaneous operation in the 5.725 - 5.825 GHz band under FCC 15.407 and the 5.725 - 5.850 GHz band under FCC 15.247 are prohibited. At any given time all operations above 5.725 GHz must be under a single rule section (FCC 15.247 or FCC 15.407)
☒	For operations above 5.725 GHz, in-band measurements and out-of-band and spurious emissions measurements refer as FCC KDB 644545 D02 were performed U-NII 3 limits and procedures. In the 5.725 - 5.850 GHz band test result were reported in 5.8GHz DTS report.

1.2 Accessories

Accessories Information				
AC Adapter	Brand Name	SONY	Model Name	VGP-AC19V74
	Power Rating	I/P: 100-240V ~ 1.0A 50/60Hz O/P1: 19.5V $\overline{\text{---}}$ 2.0A ; O/P2: 5.0V $\overline{\text{---}}$ 1.0A		
Li-ion Battery	Brand Name	SONY	Model Name	VGP-BPS39
	Power Rating	7.5V $\overline{\text{---}}$ / 3 800 mAh / 29 Wh		
WiFi/BT Combo Module	Brand Name	Intel	Model Name	7260NGW
2.4G Receiver Module	Brand Name	SONY	Model Name	VGP-WRC9
NFC Module	Brand Name	SONY	Model Name	RC-S640/IC

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

1.3 Support Equipment

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Identity Badge	-	-	-
2	Keyboard	SONY	VGP-WKB16	DoC
3	(USB) Mouse	Logitech	M-UV83	T41126
4	Earphone	iLuv	iEP415	N/A
5	Wireless AP (Remote Workstation)	ASUS	RT-AC66U	MSQ-RTAC66U
6	Bluetooth Headset (Remote Workstation)	Sony Ericsson	Z354	PY7DDA-2006

1.4 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 C63.10-2009
- ◆ FCC KDB 789033
- ◆ FCC KDB 644545 D01
- ◆ FCC KDB 644545 D02
- ◆ FCC KDB 662911

1.5 Testing Location Information

Testing Location			
☒	HWA YA	ADD : No. 52, Hwa Ya 1 st Rd., Hwa Ya Technology Park, Kwei-Shan Hsiang, Tao Yuan Hsien, 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	Zeus	24°C / 46%
RF Conducted	TH06-HY	Shiming	24.3°C / 62%
Radiated Emission	03CH03-HY	Leo	24°C / 56%

1.6 Measurement Uncertainty

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

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

2 Test Configuration of EUT

2.1 The Worst Case Modulation Configuration

Worst Modulation Used for Conformance Testing			
Modulation Mode	Transmit Chains (N _{TX})	Data Rate / MCS	Worst Data Rate / MCS
11a,6-54Mbps	1	6-54Mbps	6 Mbps
HT20,M0-7	1	M0-7	MCS 0
HT20,M8-15	2	M8-15	MCS 8
HT40,M0-7	1	M0-7	MCS 0
HT40,M8-15	2	M8-15	MCS 8
VHT20,M0-8	1	M0-8	MCS 0
VHT20,M10-18	2	M10-18	MCS 10
VHT40,M0-9	1	M0-8	MCS 0
VHT40,M10-19	2	M10-19	MCS 10
VHT80,M0-9	1	M0-9	MCS 0
VHT80,M10-19	2	M10-19	MCS 10

2.2 The Worst Case Power Setting Parameter

The Worst Case Power Setting Parameter (5150-5250MHz band)							
Test Software Version	DRTU_1.7.0-803						
Modulation Mode	N _{TX}	Test Frequency (MHz)					
		NCB: 20MHz		NCB: 40MHz		NCB: 80MHz	
		5180	5200	5240	5190	5230	5210
11a,6-54Mbps	1	26	28.5	28	-	-	-
HT20,M0-7	1	26	28.5	28.5	-	-	-
HT20,M8-15	2	24,24.5	24,25	24,25	-	-	-
HT40,M0-7	1	-	-	-	23.5	28.5	-
HT40,M8-15	2	-	-	-	19.5,20.5	24.5,25	-
VHT20,M0-8	1	26	28.5	28	-	-	-
VHT20,M10-18	2	24,24.5	24,25	24,25	-	-	-
VHT40,M0-9	1	-	-	-	23.5	28.5	-
VHT40,M10-19	2	-	-	-	19.5,20.5	24.5,25	-
VHT80,M0-9	1	-	-	-	-	-	22
VHT80,M10-19	2	-	-	-	-	-	20,20.5

The Worst Case Power Setting Parameter (5250-5350MHz band)							
Test Software Version	DRTU_1.7.0-803						
Modulation Mode	N _{TX}	Test Frequency (MHz)					
		NCB: 20MHz			NCB: 40MHz		NCB: 80MHz
		5260	5300	5320	5270	5310	5290
11a,6-54Mbps	1	29	29.5	26.5	-	-	-
HT20,M0-7	1	29	29	26	-	-	-
HT20,M8-15	2	25,25.5	25.5,25.5	25,24.5	-	-	-
HT40,M0-7	1	-	-	-	23.5	25.5	-
HT40,M8-15	2	-	-	-	20.5,21.5	22.5,23	-
VHT20,M0-8	1	29	29.5	26.5	-	-	-
VHT20,M10-18	2	25,25.5	25.5,25.5	25,24.5	-	-	-
VHT40,M0-9	1	-	-	-	23.5	25.5	-
VHT40,M10-19	2	-	-	-	20.5,21.5	22.5,23	-
VHT80,M0-9	1	-	-	-	-	-	24
VHT80,M10-19	2	-	-	-	-	-	21.5,21.5

The Worst Case Power Setting Parameter (5470-5725MHz band)									
Test Software Version	DRTU_1.7.0-803								
Modulation Mode	N _{TX}	Test Frequency (MHz)							
		NCB: 20MHz			NCB: 40MHz			NCB: 80MHz	
		5500	5580	5700	5510	5550	5670	5530	5610
11a,6-54Mbps	1	25.5	30	26.5	-	-	-	-	-
HT20,M0-7	1	25	30	26	-	-	-	-	-
HT20,M8-15	2	21.5,21.5	25.5,25.5	23,22.5	-	-	-	-	-
HT40,M0-7	1	-	-	-	22.5	30	31	-	-
HT40,M8-15	2	-	-	-	19,19	25.5,25.5	26.5,25.5	-	-
VHT20,M0-8	1	25.5	30	26.5	-	-	-	-	-
VHT20,M10-18	2	21.5,21.5	25.5,25	23,22.5	-	-	-	-	-
VHT40,M0-9	1	-	-	-	22.5	30	31.5	-	-
VHT40,M10-19	2	-	-	-	19,19	25.5,25.5	26.5,25.5	-	-
VHT80,M0-9	1	-	-	-	-	-	-	21	27.5
VHT80,M10-19	2	-	-	-	-	-	-	18,18	26.5,26

The Worst Case Power Setting Parameter (5470-5725MHz band)				
Test Software Version	DRTU_1.7.0-803			
Modulation Mode	N _{TX}	Test Frequency (MHz)		
		NCB: 20MHz	NCB: 40MHz	NCB: 80MHz
		5720	5710	5690
11a,6-54Mbps	1	32	-	-
HT20,M0-7	1	32.5	-	-
HT20,M8-15	2	28,27.5	-	-
HT40,M0-7	1	-	31.5	-
HT40,M8-15	2	-	27,26.5	-
VHT20,M0-8	1	32.5	-	-
VHT20,M10-18	2	28,27.5	-	-
VHT40,M0-9	1	-	31.5	-
VHT40,M10-19	2	-	27,26.5	-
VHT80,M0-9	1	-	-	29
VHT80,M10-19	2	-	-	27.5,26.5

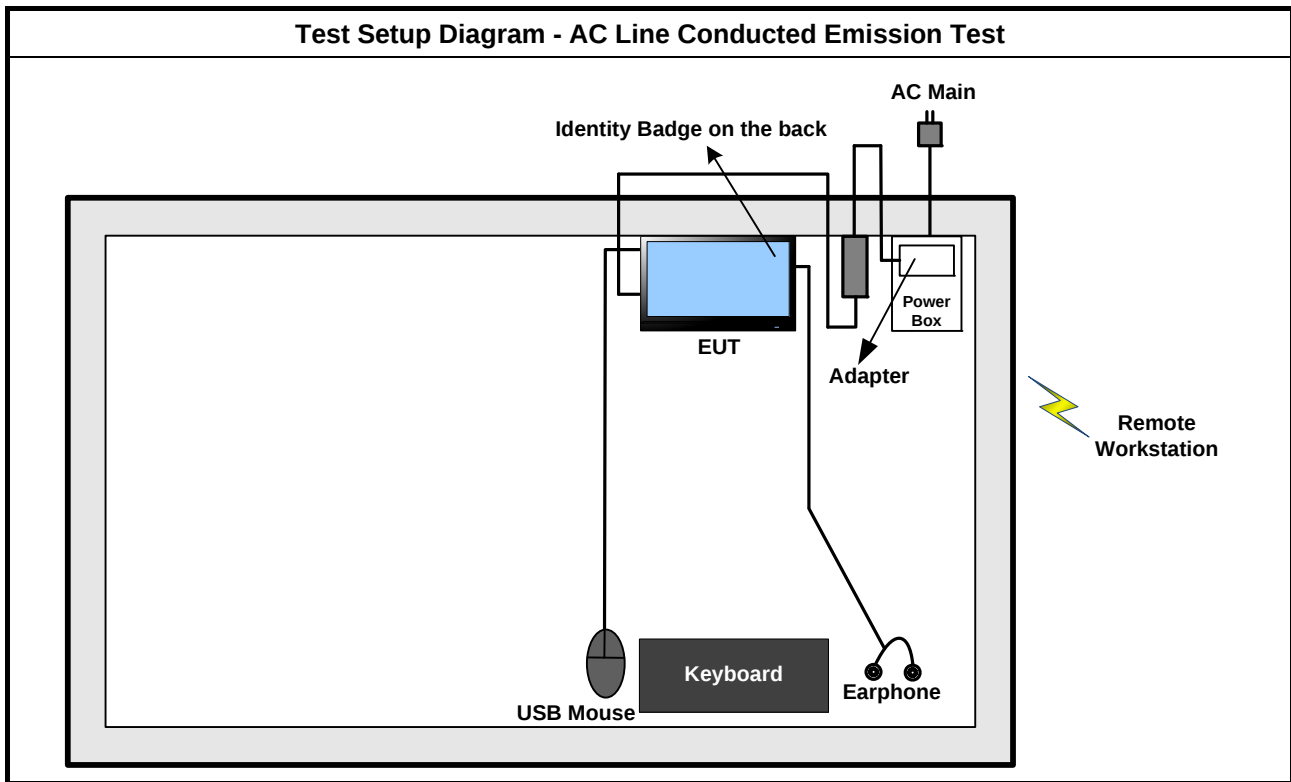
2.3 The Worst Case Measurement Configuration

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

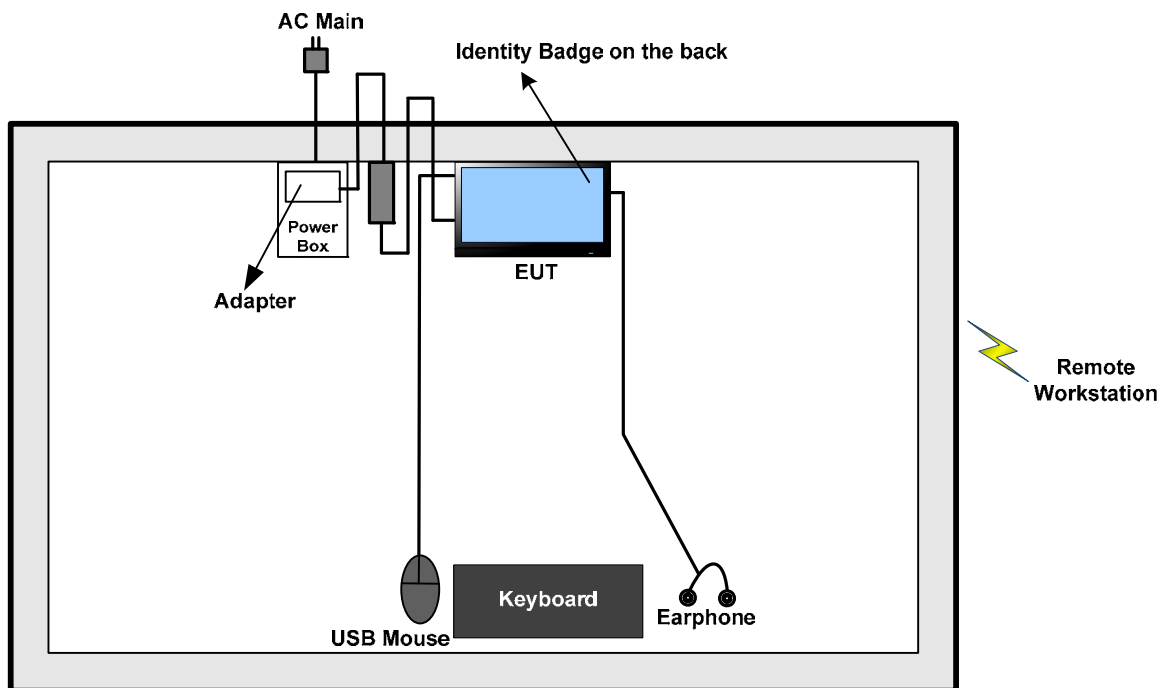
The Worst Case Mode for Following Conformance Tests	
Tests Item	RF Output Power, Peak Power Spectral Density, Emission Bandwidth, Peak Excursion
Test Condition	Conducted measurement at transmit chains
Modulation Mode	11a, HT20, HT40, VHT20, VHT40, VHT80

The Worst Case Mode for Following Conformance Tests			
Tests Item	Transmitter Radiated Unwanted Emissions Transmitter Radiated Bandedge Emissions		
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.		
User Position	☐ EUT will be placed in fixed position.		
	☒ EUT will be placed in mobile position and operating multiple positions. EUT shall be performed two orthogonal planes. The worst planes is Z.		
	☐ EUT will be a hand-held or body-worn battery-powered devices and operating multiple positions. EUT shall be performed two or three orthogonal planes.		
Operating Mode < 1GHz	☒ 1. AC Power & Radio link		
Modulation Mode	11a, HT20, HT40, VHT20, VHT40, VHT80		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			

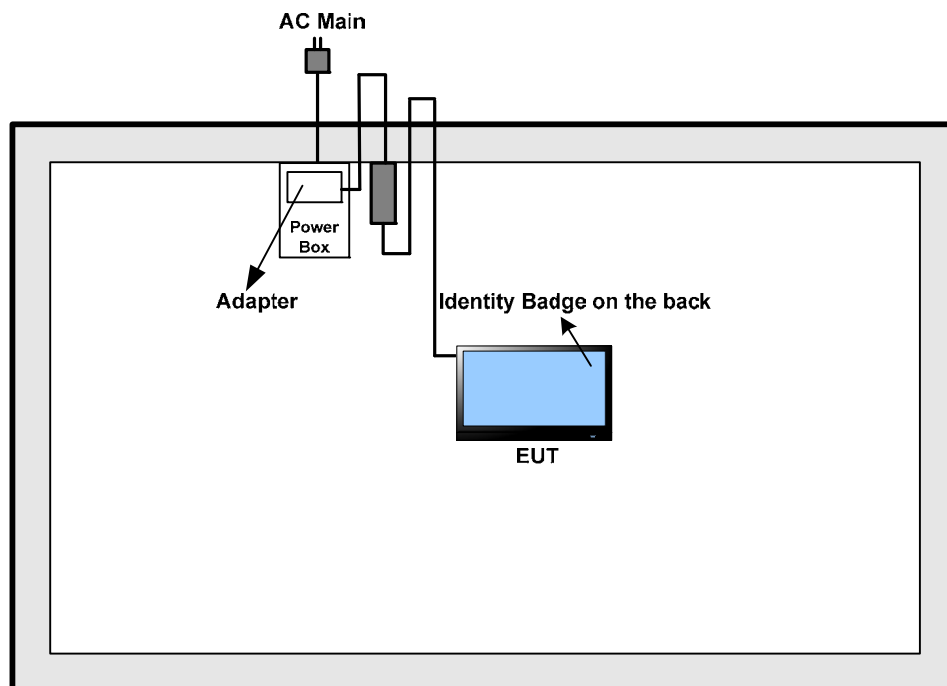
2.4 Test Setup Diagram



Test Setup Diagram - Radiated Below 1GHz Test



Test Setup Diagram - Radiated Above 1GHz Test



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

Note 1: * Decreases with the logarithm of the frequency.

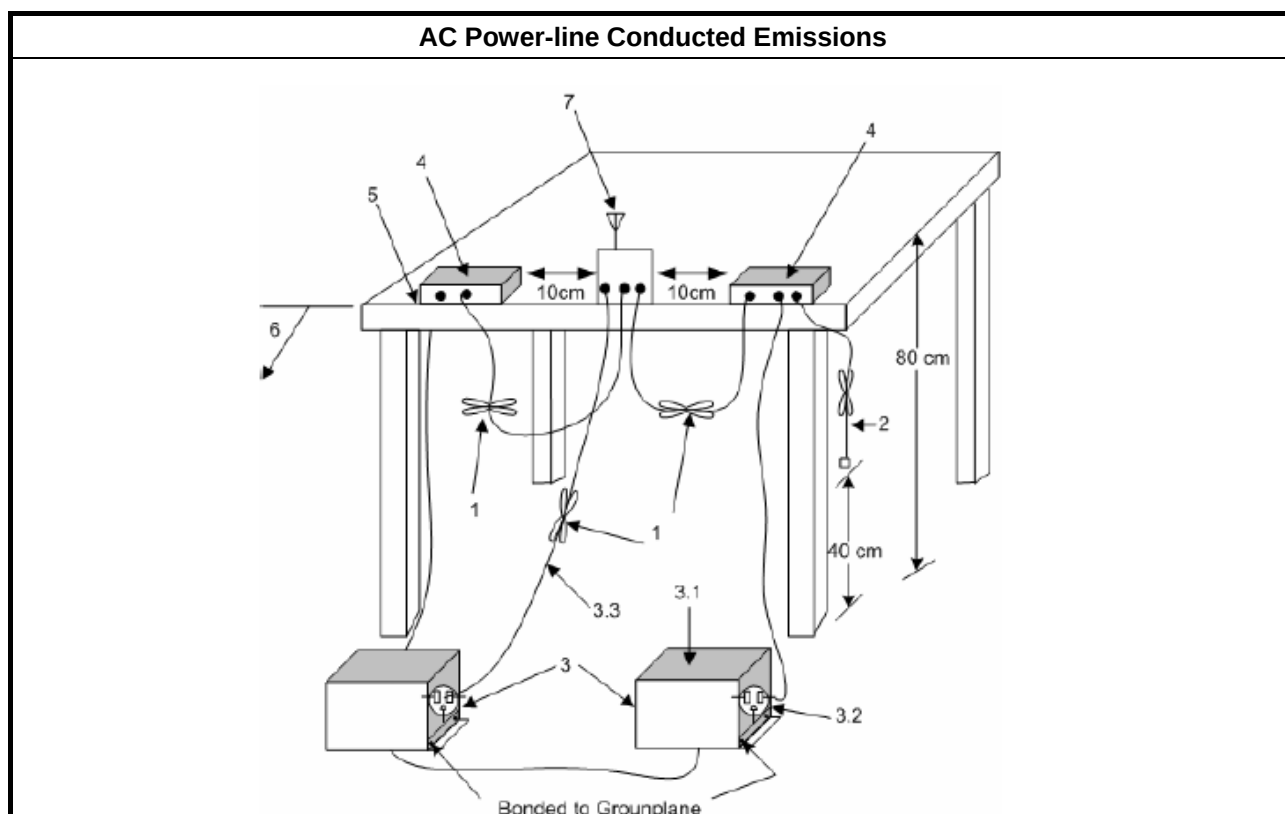
3.1.2 Measuring Instruments

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

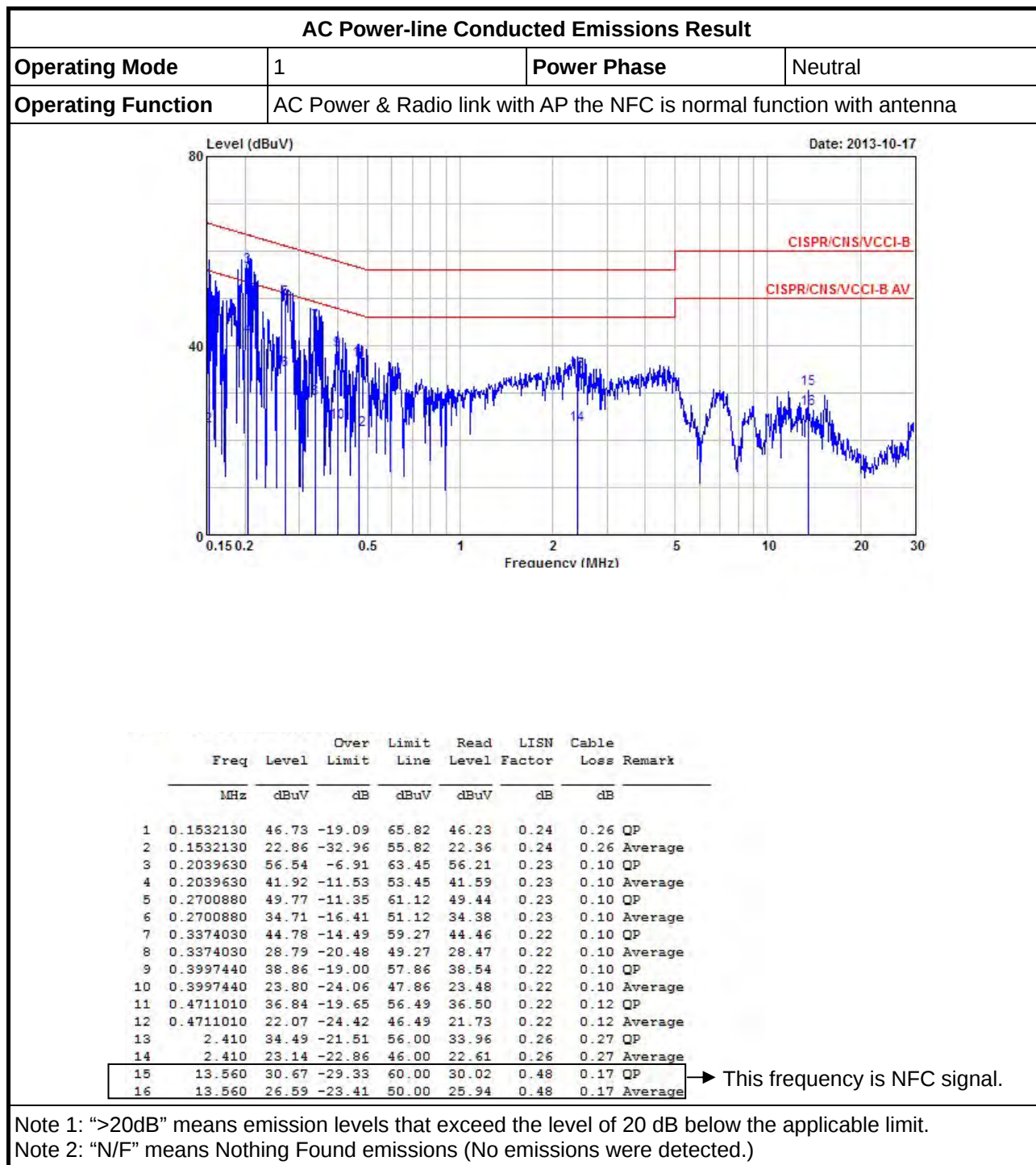
3.1.3 Test Procedures

Test Method
☒ Refer as ANSI C63.10-2009, clause 6.2 for AC power-line conducted emissions.

3.1.4 Test Setup

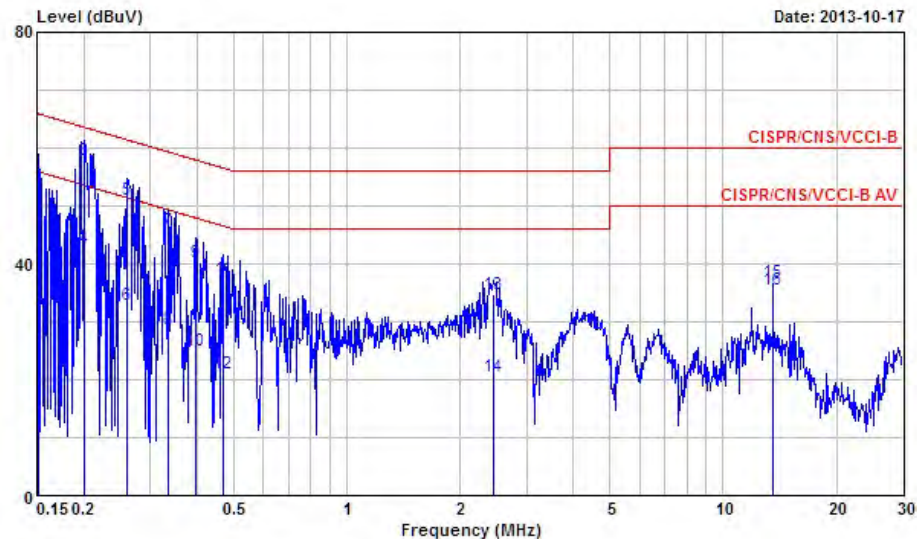


3.1.5 Test Result of AC Power-line Conducted Emissions



AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Line
Operating Function	AC Power & Radio link with AP the NFC is normal function with antenna		



	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.1515980	49.02	-16.89	65.91	48.65	0.11	0.26	QP
2	0.1515980	26.31	-29.60	55.91	25.94	0.11	0.26	Average
3	0.1996860	57.89	-5.73	63.62	57.68	0.11	0.10	QP
4	0.1996860	42.59	-11.03	53.62	42.38	0.11	0.10	Average
5	0.2602550	50.95	-10.47	61.42	50.74	0.11	0.10	QP
6	0.2602550	32.92	-18.50	51.42	32.71	0.11	0.10	Average
7	0.3356200	45.71	-13.60	59.31	45.51	0.10	0.10	QP
8	0.3356200	28.76	-20.55	49.31	28.56	0.10	0.10	Average
9	0.3955300	40.39	-17.56	57.95	40.19	0.10	0.10	QP
10	0.3955300	24.87	-23.08	47.95	24.67	0.10	0.10	Average
11	0.4711010	37.42	-19.07	56.49	37.20	0.10	0.12	QP
12	0.4711010	21.00	-25.49	46.49	20.78	0.10	0.12	Average
13	2.460	34.81	-21.19	56.00	34.40	0.14	0.27	QP
14	2.460	20.48	-25.52	46.00	20.07	0.14	0.27	Average
15	13.560	36.76	-23.24	60.00	36.32	0.27	0.17	QP
16	13.560	35.43	-14.57	50.00	34.99	0.27	0.17	Average

→ This frequency is NFC signal.

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

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

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth (EBW) Limit

Emission Bandwidth (EBW) Limit	
UNII Devices	
☒	For the 5.15-5.25 GHz band, the maximum conducted output power shall not exceed the lesser of 50 mW or $4 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in MHz.
☒	For the 5.25-5.35 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in MHz.
☒	For the 5.47-5.725 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in MHz.
☐	For the 5.725-5.825 GHz band, the maximum conducted output power shall not exceed the lesser of 1 W or $17 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in MHz.
LE-LAN Devices	
☒	For the band 5.15-5.25 GHz, the maximum e.i.r.p. shall not exceed 200 mW or $10 + 10 \log B$, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
☒	For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log B$, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
☒	For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log B$, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
☐	For the 5.725-5.825 GHz band, the maximum e.i.r.p. shall not exceed 4.0 W or $23 + 10 \log B$, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.

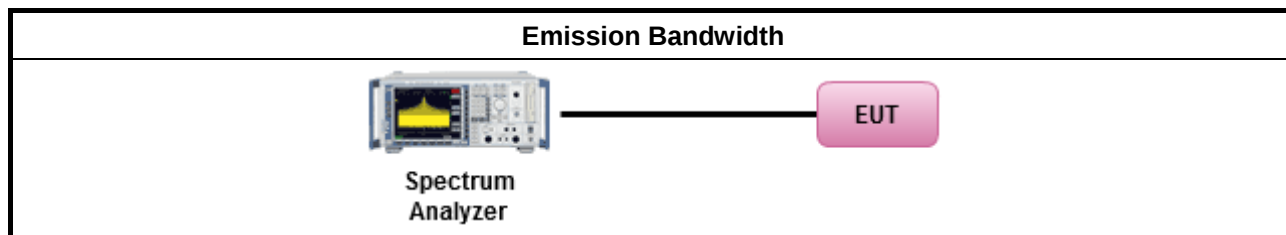
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
☒	For the emission bandwidth shall be measured using one of the options below:
☒	Refer as FCC KDB 789033, clause C for EBW and clause D for OBW measurement.
☐	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.
☒	Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.
☒	For conducted measurement.
☐	The EUT supports single transmit chain and measurements performed on this transmit chain.
☒	The EUT supports diversity transmitting and the results on transmit chain port 1 is the worst case.
☒	The EUT supports multiple transmit chains using options given below:
☐	Option 1: Multiple transmit chains measurements need to be performed on one of the active transmit chains (antenna outputs). All measurement had be performed on transmit chains 1.
☒	Option 2: Multiple transmit chains measurements need to be performed on each transmit chains individually (antenna outputs). All measurement had be performed on all transmit chains.

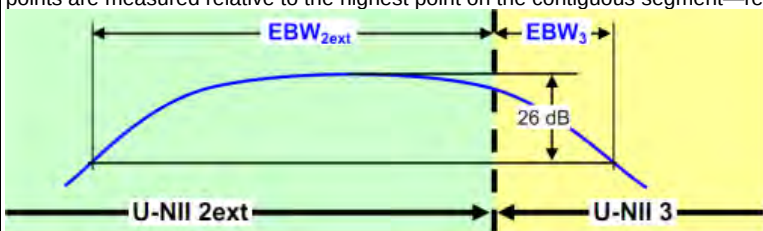
3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

UNII Emission Bandwidth Result (5150-5250MHz band)								
Condition			Emission Bandwidth (MHz)					
Modulation Mode	N _{TX}	Freq. (MHz)	99% Bandwidth		26dB Bandwidth		Power Limit	
			Chain Port 1	Chain Port 2	Chain Port 1	Chain Port 2	99% BW	26dB BW
11a	1	5180	16.86	-	21.31	-	16.27	17.00
11a	1	5200	17.01	-	21.72	-	16.31	17.00
11a	1	5240	16.68	-	22.41	-	16.22	17.00
HT20,M0-7	1	5180	18.18	-	22.71	-	16.60	17.00
HT20,M0-7	1	5200	18.27	-	22.45	-	16.62	17.00
HT20,M0-7	1	5240	17.85	-	22.56	-	16.52	17.00
HT20,M8-15	2	5180	18.05	17.79	22.96	21.60	16.50	17.00
HT20,M8-15	2	5200	17.90	18.08	23.71	21.97	16.53	17.00
HT20,M8-15	2	5240	17.88	17.73	23.62	20.83	16.49	17.00
HT40,M0-7	1	5190	35.94	-	40.52	-	17.00	17.00
HT40,M0-7	1	5230	36.42	-	40.76	-	17.00	17.00
HT40,M8-15	2	5190	36.02	36.14	40.04	40.16	17.00	17.00
HT40,M8-15	2	5230	36.14	35.94	40.64	40.28	17.00	17.00
VHT20,M0-8	1	5180	17.73	-	23.17	-	16.49	17.00
VHT20,M0-8	1	5200	17.85	-	22.93	-	16.52	17.00
VHT20,M0-8	1	5240	17.85	-	23.19	-	16.52	17.00
VHT20,M10-18	2	5180	17.97	17.88	24.34	22.38	16.52	17.00
VHT20,M10-18	2	5200	17.81	17.75	21.39	21.93	16.49	17.00
VHT20,M10-18	2	5240	17.79	18.02	22.56	25.30	16.50	17.00
VHT40,M0-9	1	5190	36.26	-	40.16	-	17.00	17.00
VHT40,M0-9	1	5230	36.26	-	41.84	-	17.00	17.00
VHT40,M10-19	2	5190	36.06	35.86	40.08	39.40	17.00	17.00
VHT40,M10-19	2	5230	36.42	35.90	40.80	39.84	17.00	17.00
VHT80,M0-9	1	5210	75.08	-	79.92	-	17.00	17.00
VHT80,M10-19	2	5210	75.32	74.12	78.56	78.56	17.00	17.00
Limit			N/A			≥500 kHz		
Result			Complied					
Note 1: N _{TX} = Number of Transmit Chains								

UNII Emission Bandwidth Result (5250-5350MHz band)								
Condition			Emission Bandwidth (MHz)					
Modulation Mode	N _{TX}	Freq. (MHz)	99% Bandwidth		26dB Bandwidth		Power Limit	
			Chain Port 1	Chain Port 2	Chain Port 1	Chain Port 2	99% BW	26dB BW
11a	1	5260	16.56	-	20.85	-	20.19	21.19
11a	1	5300	16.83	-	21.85	-	20.26	21.39
11a	1	5320	16.44	-	21.27	-	20.16	21.28
HT20,M0-7	1	5260	17.94	-	23.70	-	20.54	21.75
HT20,M0-7	1	5300	17.99	-	24.96	-	20.55	21.97
HT20,M0-7	1	5320	29.76	-	22.48	-	22.74	21.52
HT20,M8-15	2	5260	17.70	17.76	21.55	22.12	20.48	21.33
HT20,M8-15	2	5300	18.09	17.82	22.15	21.37	20.51	21.30
HT20,M8-15	2	5320	18.00	17.84	23.77	21.46	20.51	21.32
HT40,M0-7	1	5270	35.94	-	39.72	-	23.56	23.99
HT40,M0-7	1	5310	36.10	-	40.44	-	23.58	24.00
HT40,M8-15	2	5270	36.18	35.78	41.44	40.16	23.54	24.00
HT40,M8-15	2	5310	36.62	36.18	41.28	39.48	23.58	23.96
VHT20,M0-8	1	5260	17.97	-	22.63	-	20.55	21.55
VHT20,M0-8	1	5300	17.87	-	22.05	-	20.52	21.43
VHT20,M0-8	1	5320	17.88	-	22.68	-	20.52	21.56
VHT20,M10-18	2	5260	17.72	17.97	23.73	22.27	20.48	21.48
VHT20,M10-18	2	5300	17.69	17.88	21.61	21.78	20.48	21.35
VHT20,M10-18	2	5320	18.02	17.85	22.30	21.87	20.52	21.40
VHT40,M0-9	1	5270	36.14	-	41.40	-	23.58	24.00
VHT40,M0-9	1	5310	36.14	-	39.52	-	23.58	23.97
VHT40,M10-19	2	5270	36.02	36.18	41.28	38.96	23.57	23.91
VHT40,M10-19	2	5310	35.94	35.98	39.52	40.04	23.56	23.97
VHT80,M0-9	1	5290	75.08	-	79.20	-	24.00	24.00
VHT80,M0-9	2	5290	74.76	74.52	78.56	78.72	24.00	24.00
Limit			N/A				≥500 kHz	
Result			Complied					
Note 1: N _{TX} = Number of Transmit Chains								

UNII Emission Bandwidth Result (5470-5725MHz band)								
Condition			Emission Bandwidth (MHz)					
Modulation Mode	N _{TX}	Freq. (MHz)	99% Bandwidth		26dB Bandwidth		Power Limit	
			Chain Port 1	Chain Port 2	Chain Port 1	Chain Port 2	99% BW	26dB BW
11a	1	5500	16.73	-	20.34	-	20.23	21.08
11a	1	5580	16.62	-	22.47	-	20.21	21.52
11a	1	5700	16.68	-	21.54	-	20.22	21.33
11a	1	5720*	16.79	-	26.98	-	20.25	22.31
HT20,M0-7	1	5500	17.76	-	21.34	-	20.49	21.29
HT20,M0-7	1	5580	17.94	-	24.46	-	20.54	21.88
HT20,M0-7	1	5700	17.73	-	22.63	-	20.49	21.55
HT20,M0-7	1	5720*	17.99	-	24.96	-	20.55	21.97
HT20,M8-15	2	5500	17.84	17.91	22.99	21.63	20.51	21.35
HT20,M8-15	2	5580	17.94	17.88	22.23	21.60	20.52	21.34
HT20,M8-15	2	5700	17.82	17.99	22.69	22.35	20.51	21.49
HT20,M8-15	2	5720*	17.78	17.85	23.05	22.92	20.50	21.60
HT40,M0-7	1	5510	36.14	-	41.84	-	23.58	24.00
HT40,M0-7	1	5550	35.90	-	42.56	-	23.55	24.00
HT40,M0-7	1	5670	36.18	-	41.12	-	23.58	24.00
HT40,M0-7	1	5710*	36.14	-	42.20	-	23.58	24.00
HT40,M8-15	2	5510	35.78	36.02	39.60	39.80	23.54	23.98
HT40,M8-15	2	5550	36.10	36.18	41.12	40.72	23.58	24.00
HT40,M8-15	2	5670	35.98	36.14	40.56	41.12	23.56	24.00
HT40,M8-15	2	5710*	36.26	36.22	40.08	40.44	23.59	24.00
Limit			N/A				≥500 kHz	
Result			Complied					
Note 1: N _{TX} = Number of Transmit Chains								
* = Band-crossing channel. For an emission that crosses the boundary between two adjacent U-NII bands, the boundary frequency between the bands serves as one edge for defining the portion of the EBW that falls within a particular U-NII band; however, the -26 dB points are measured relative to the highest point on the contiguous segment—regardless of which band contains that highest point.								
								

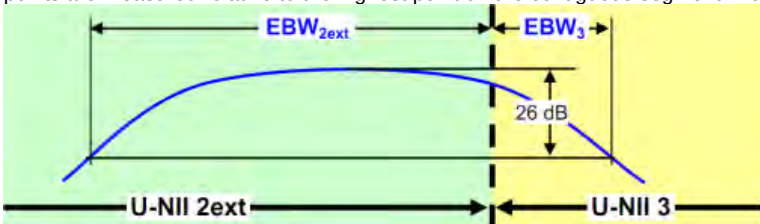
UNII Emission Bandwidth Result (5470-5725MHz band)								
Condition			Emission Bandwidth (MHz)					
Modulation Mode	N _{TX}	Freq. (MHz)	99% Bandwidth		26dB Bandwidth		Power Limit	
			Chain Port 1	Chain Port 2	Chain Port 1	Chain Port 2	99% BW	26dB BW
VHT20,M0-8	1	5500	17.85	-	22.84	-	20.52	21.59
VHT20,M0-8	1	5580	18.11	-	23.82	-	20.58	21.77
VHT20,M0-8	1	5700	17.88	-	22.69	-	20.52	21.56
VHT20,M0-8	1	5720*	17.97	-	25.36	-	20.55	22.04
VHT20,M10-18	2	5500	17.93	17.81	23.31	22.53	20.51	21.53
VHT20,M10-18	2	5580	17.93	17.79	21.00	23.05	20.50	21.22
VHT20,M10-18	2	5700	18.05	17.70	23.17	20.55	20.48	21.13
VHT20,M10-18	2	5720*	17.93	18.05	22.35	22.74	20.54	21.49
VHT40,M0-9	1	5510	35.78	-	39.56	-	23.54	23.97
VHT40,M0-9	1	5550	36.30	-	42.12	-	23.60	24.00
VHT40,M0-9	1	5670	36.02	-	41.00	-	23.57	24.00
VHT40,M0-9	1	5710*	36.06	-	44.96	-	23.57	24.00
VHT40,M10-19	2	5510	35.90	35.98	39.84	38.40	23.55	23.84
VHT40,M10-19	2	5550	36.30	36.22	39.52	40.24	23.59	23.97
VHT40,M10-19	2	5670	36.06	35.98	40.32	41.00	23.56	24.00
VHT40,M10-19	2	5710*	36.22	36.22	40.56	39.72	23.59	23.99
VHT80,M0-9	1	5530	75.32	-	79.28	-	24.00	24.00
VHT80,M0-9	1	5610	74.04	-	78.72	-	24.00	24.00
VHT80,M0-9	1	5690*	75.08	-	80.08	-	24.00	24.00
VHT80,M10-19	2	5530	75.24	75.00	79.52	78.64	24.00	24.00
VHT80,M10-19	2	5610	75.08	74.92	79.52	79.36	24.00	24.00
VHT80,M10-19	2	5690*	74.60	75.24	78.64	78.88	24.00	24.00
Limit			N/A				≥500 kHz	
Result			Complied					

Note 1: N_{TX} = Number of Transmit Chains

* = Band-crossing channel. For an emission that crosses the boundary between two adjacent U-NII bands, the boundary frequency between the bands serves as one edge for defining the portion of the EBW that falls within a particular U-NII band; however, the -26 dB points are measured relative to the highest point on the contiguous segment—regardless of which band contains that highest point.

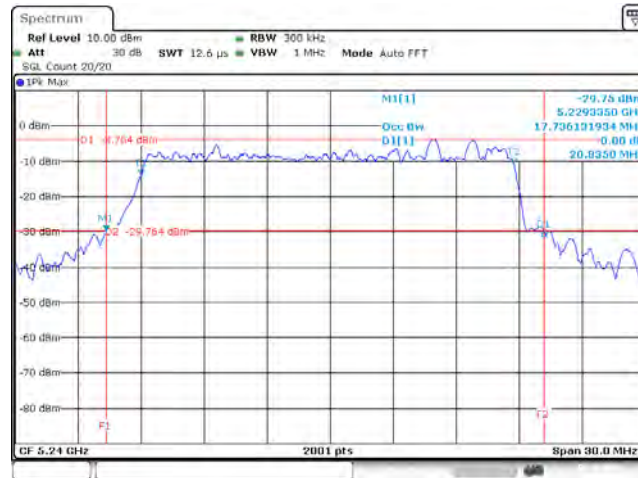
UNII Emission Bandwidth Result (Straddle 5725 MHz band)								
Condition			Emission Bandwidth (MHz)					
Modulation Mode	N _{TX}	Freq. (MHz)	99% Bandwidth		26dB Bandwidth		Power Limit	
			Chain Port 1	Chain Port 2	Chain Port 1	Chain Port 2	99% BW	26dB BW
11a	1	5720*	16.79	-	26.98	-	29.25	30.00
HT20,M0-7	1	5720*	17.99	-	24.96	-	29.55	30.00
HT20,M8-15	2	5720*	17.78	17.85	23.05	22.92	29.50	30.00
HT40,M0-7	1	5710*	36.14	-	42.20	-	30.00	30.00
HT40,M8-15	2	5710*	36.26	36.22	40.08	40.44	30.00	30.00
VHT20,M0-8	1	5720*	17.97	-	25.36	-	29.55	30.00
VHT20,M10-18	2	5720*	17.93	18.05	22.35	22.74	29.54	30.00
VHT40,M0-9	1	5710*	36.06	-	44.96	-	30.00	30.00
VHT40,M10-19	2	5710*	36.22	36.22	40.56	39.72	30.00	30.00
VHT80,M0-9	1	5690*	75.08	-	80.08	-	30.00	30.00
VHT80,M10-19	2	5690*	74.60	75.24	78.64	78.88	30.00	30.00
Result			Complied					

* = Band-crossing channel. For an emission that crosses the boundary between two adjacent U-NII bands, the boundary frequency between the bands serves as one edge for defining the portion of the EBW that falls within a particular U-NII band; however, the -26 dB points are measured relative to the highest point on the contiguous segment—regardless of which band contains that highest point.



5150-5250MHz - Worst Emission Bandwidth Plots

HT20



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5250-5350MHz - Worst Emission Bandwidth Plots

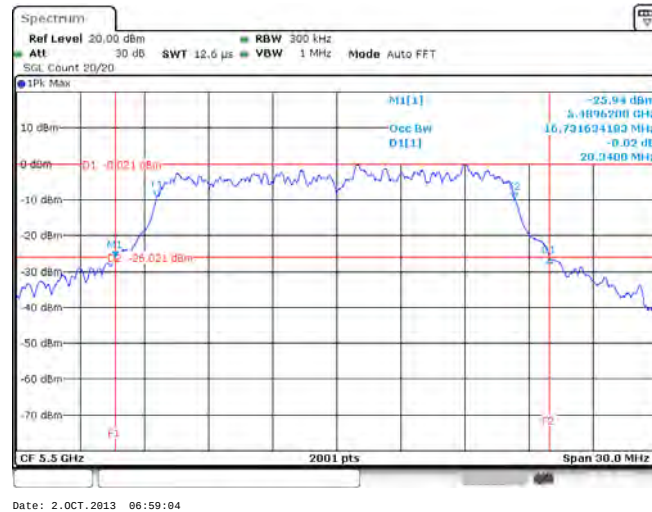
11a



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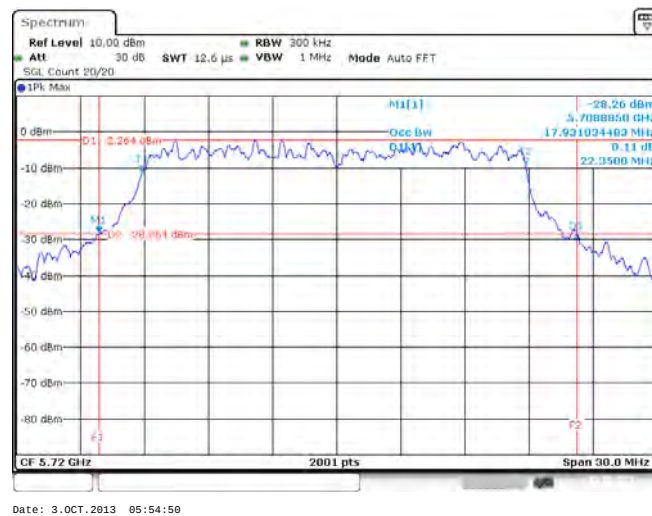
5470-5725MHz - Worst Emission Bandwidth Plots

11a



Straddle 5725 MHz - Worst Emission Bandwidth Plots

VHT20



3.3 RF Output Power

3.3.1 RF Output Power Limit

Maximum Conducted Output Power Limit	
UNII Devices	
☒	For the 5.15-5.25 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 50 mW or $4 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6 \text{ dBi}$, then $P_{Out} = 17 - (G_{TX} - 6)$.
☒	For the 5.25-5.35 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6 \text{ dBi}$, then $P_{Out} = 24 - (G_{TX} - 6)$.
☒	For the 5.47-5.725 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6 \text{ dBi}$, then $P_{Out} = 24 - (G_{TX} - 6)$.
☐	For the 5.725-5.825 GHz band:
☐	Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W or $17 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6 \text{ dBi}$, 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 or $17 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 23 \text{ dBi}$, then $P_{Out} = 30 - (G_{TX} - 23)$.
LE-LAN Devices	
☒	For the 5.15-5.25 GHz band, the maximum e.i.r.p. shall not exceed 200 mW or $10 + 10 \log B$, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
☒	For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log B$, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
☒	For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log B$, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
☐	For the 5.725-5.825 GHz band, the maximum e.i.r.p. shall not exceed 4.0 W or $23 + 10 \log B$, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
☐	Point-to-multipoint systems (P2M): the maximum e.i.r.p. shall not exceed 4.0 W or $23 + 10 \log B$, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
☐	Point-to-point systems (P2P): the maximum e.i.r.p. shall not exceed 4.0 W or $23 + 10 \log B$, dBm, whichever power is less. B is the 99% emission bandwidth in MHz. If e.i.r.p. $> 36 \text{ dBm}$, $G_{TX} \leq P_{Out}$
P_{Out} = maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.	

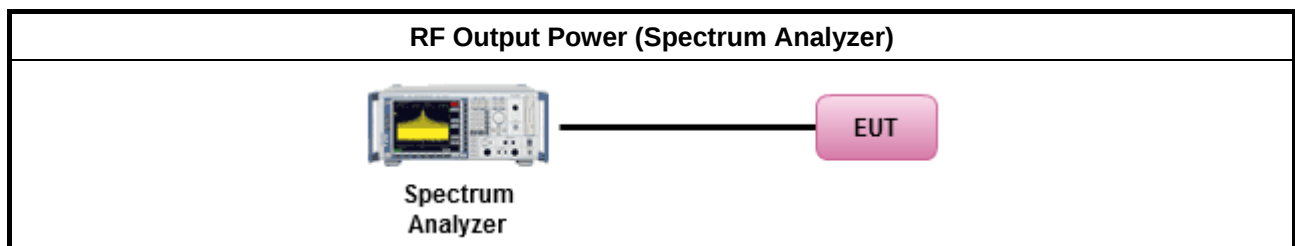
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
☒	Maximum Conducted Output Power
	[duty cycle $\geq 98\%$ or external video / power trigger]
☒	Refer as FCC KDB 789033, clause E Method SA-1 (spectral trace averaging).
☐	Refer as FCC KDB 789033, clause E Method SA-1 Alt. (RMS detection with slow sweep speed)
	duty cycle $< 98\%$ and average over on/off periods with duty factor
☐	Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).
☐	Refer as FCC KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty factor
☐	Refer as FCC KDB 789033, clause E Method PM (using an RF average power meter).
☒	For conducted measurement.
☐	The EUT supports single transmit chain and measurements performed on this transmit chain.
☒	The EUT supports diversity transmitting and the results on transmit chain port 1 is the worst case.
☒	The EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
☒	If multiple transmit chains, EIRP calculation could be following as methods: $P_{\text{total}} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $\text{EIRP}_{\text{total}} = P_{\text{total}} + \text{DG}$

3.3.4 Test Setup



3.3.5 Directional Gain for Power Measurement

Directional Gain (DG) Result					
Transmit Chains No.		1	2	-	-
Maximum G_{ANT} (dBi)		-0.65	-1.45	-	-
Modulation Mode	DG (dBi)	N_{TX}	N_{SS} (Min.)	STBC	Array Gain (dB)
11a,6-54Mbps	-0.65	1	1	-	-
HT20,M0-7	-0.65	1	1	-	-
HT20,M8-15	-1.03	2	2	-	-
HT40,M0-7	-0.65	1	1	-	-
HT40,M8-15	-1.03	2	2	-	-
VHT20,M0-8	-0.65	1	1	-	-
VHT20,M10-18	-1.03	2	2	-	-
VHT40,M0-9	-0.65	1	1	-	-
VHT40,M10-19	-1.03	2	2	-	-
VHT80,M0-9	-0.65	1	1	-	-
VHT80,M10-19	-1.03	2	2	-	-

Note 1: For all transmitter outputs with equal antenna gains, directional gain is to be computed as follows:
Any transmit signals are correlated, Directional Gain = $G_{ANT} + 10 \log(N_{TX})$
All transmit signals are completely uncorrelated, Directional Gain = G_{ANT}

Note 2: For all transmitter outputs with unequal antenna gains, directional gain is to be computed as follows:
Any transmit signals are correlated, Directional Gain = $10 \log[(10^{G_{1/20}} + \dots + 10^{G_{N/20}})^2 / N_{TX}]$
All transmit signals are completely uncorrelated, Directional Gain = $10 \log[(10^{G_{1/10}} + \dots + 10^{G_{N/10}}) / N_{TX}]$

Note 3: For Spatial Multiplexing, Directional Gain (DG) = $G_{ANT} + 10 \log(N_{TX}/N_{SS})$,
where N_{SS} = the number of independent spatial streams data.

Note 4: For CDD transmissions, directional gain is calculated as power measurements:
Directional Gain (DG) = $G_{ANT} + \text{Array Gain}$, where Array Gain is as follows:
Array Gain = 0 dB (i.e., no array gain) for $N_{TX} \leq 4$;
Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any N_{TX} ;

3.3.6 Test Result of Maximum Conducted (Average) Output Power

Maximum Conducted (Average) Output Power (5150-5250MHz band)									
Condition			RF Output Power (dBm)						
Modulation Mode	N _{TX}	Freq. (MHz)	Chain Port 1	Chain Port 2	Sum Chain	Power Limit	DG (dBi)	EIRP Power	EIRP Limit
11a	1	5180	11.95	-	11.95	17.00	-0.65	11.30	22.27
11a	1	5200	13.96	-	13.96	17.00	-0.65	13.31	22.31
11a	1	5240	13.74	-	13.74	17.00	-0.65	13.09	22.22
HT20,M0-7	1	5180	11.77	-	11.77	17.00	-0.65	11.12	22.60
HT20,M0-7	1	5200	13.89	-	13.89	17.00	-0.65	13.24	22.62
HT20,M0-7	1	5240	13.95	-	13.95	17.00	-0.65	13.30	22.52
HT20,M8-15	2	5180	7.49	7.46	10.48	17.00	-1.03	9.45	22.50
HT20,M8-15	2	5200	7.60	7.92	10.77	17.00	-1.03	9.74	22.53
HT20,M8-15	2	5240	7.68	7.97	10.84	17.00	-1.03	9.80	22.49
HT40,M0-7	1	5190	9.47	-	9.47	17.00	-0.65	8.82	23.00
HT40,M0-7	1	5230	14.00	-	14.00	17.00	-0.65	13.35	23.00
HT40,M8-15	2	5190	3.26	3.64	6.46	17.00	-1.03	5.43	23.00
HT40,M8-15	2	5230	8.09	7.87	10.99	17.00	-1.03	9.96	23.00
VHT20,M0-8	1	5180	11.91	-	11.91	17.00	-0.65	11.26	22.49
VHT20,M0-8	1	5200	14.02	-	14.02	17.00	-0.65	13.37	22.52
VHT20,M0-8	1	5240	13.79	-	13.79	17.00	-0.65	13.14	22.52
VHT20,M10-18	2	5180	7.52	7.23	10.39	17.00	-1.03	9.35	22.52
VHT20,M10-18	2	5200	7.59	7.90	10.76	17.00	-1.03	9.72	22.49
VHT20,M10-18	2	5240	7.71	8.00	10.87	17.00	-1.03	9.83	22.50
VHT40,M0-9	1	5190	9.51	-	9.51	17.00	-0.65	8.86	23.00
VHT40,M0-9	1	5230	13.93	-	13.93	17.00	-0.65	13.28	23.00
VHT40,M10-19	2	5190	3.41	3.59	6.51	17.00	-1.03	5.48	23.00
VHT40,M10-19	2	5230	8.09	7.77	10.94	17.00	-1.03	9.91	23.00
VHT80,M0-9	1	5210	7.95	-	7.95	17.00	-0.65	7.30	23.00
VHT80,M10-19	2	5210	3.56	3.31	6.45	17.00	-1.03	5.42	23.00
Result			Complied						



Maximum Conducted (Average) Output Power (5250-5350MHz band)									
Condition			RF Output Power (dBm)						
Modulation Mode	N _{TX}	Freq. (MHz)	Chain Port 1	Chain Port 2	Sum Chain	Power Limit	DG (dBi)	EIRP Power	EIRP Limit
11a	1	5260	14.28	-	14.28	21.19	-0.65	13.63	26.19
11a	1	5300	14.33	-	14.33	21.39	-0.65	13.68	26.26
11a	1	5320	11.97	-	11.97	21.28	-0.65	11.32	26.16
HT20,M0-7	1	5260	14.20	-	14.20	21.75	-0.65	13.55	26.54
HT20,M0-7	1	5300	14.30	-	14.30	21.97	-0.65	13.65	26.55
HT20,M0-7	1	5320	11.97	-	11.97	21.52	-0.65	11.32	27.00
HT20,M8-15	2	5260	8.28	8.29	11.29	21.33	-1.03	10.26	26.48
HT20,M8-15	2	5300	8.46	8.40	11.44	21.30	-1.03	10.41	26.51
HT20,M8-15	2	5320	8.06	7.73	10.91	21.32	-1.03	9.87	26.51
HT40,M0-7	1	5270	9.44	-	9.44	23.99	-0.65	8.79	27.00
HT40,M0-7	1	5310	10.96	-	10.96	24.00	-0.65	10.31	27.00
HT40,M8-15	2	5270	4.17	4.59	7.39	24.00	-1.03	6.36	27.00
HT40,M8-15	2	5310	5.72	6.17	8.96	23.96	-1.03	7.93	27.00
VHT20,M0-8	1	5260	14.38	-	14.38	21.55	-0.65	13.73	26.55
VHT20,M0-8	1	5300	14.44	-	14.44	21.43	-0.65	13.79	26.52
VHT20,M0-8	1	5320	12.12	-	12.12	21.56	-0.65	11.47	26.52
VHT20,M10-18	2	5260	8.38	8.30	11.35	21.48	-1.03	10.32	26.48
VHT20,M10-18	2	5300	8.46	8.42	11.45	21.35	-1.03	10.42	26.48
VHT20,M10-18	2	5320	8.10	7.74	10.93	21.40	-1.03	9.90	26.52
VHT40,M0-9	1	5270	9.49	-	9.49	24.00	-0.65	8.84	27.00
VHT40,M0-9	1	5310	11.05	-	11.05	23.97	-0.65	10.40	27.00
VHT40,M10-19	2	5270	4.16	4.56	7.37	23.91	-1.03	6.34	27.00
VHT40,M10-19	2	5310	5.69	6.14	8.93	23.97	-1.03	7.90	27.00
VHT80,M0-9	1	5290	9.43	-	9.43	24.00	-0.65	8.78	27.00
VHT80,M0-9	2	5290	4.56	4.38	7.48	24.00	-1.03	6.45	27.00
Result			Complied						

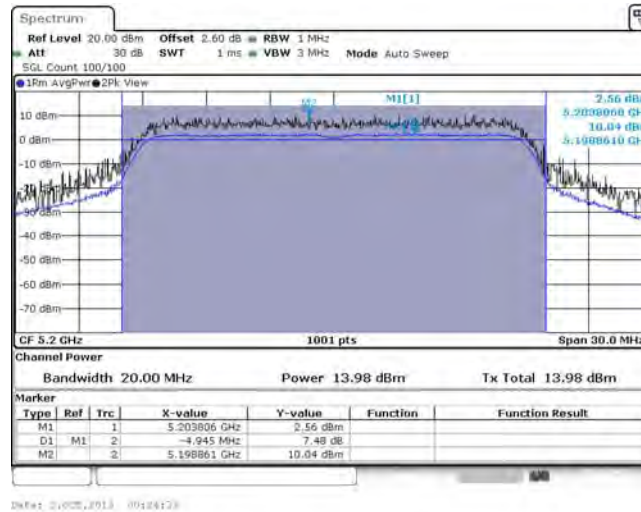
Maximum Conducted (Average) Output Power (Straddle 5725 MHz band)									
Condition			RF Output Power (dBm)						
Modulation Mode	N _{Tx}	Freq. (MHz)	Chain Port 1	Chain Port 2	Sum Chain	Power Limit	DG (dBi)	EIRP Power	EIRP Limit
11a	1	5500	11.89	-	11.89	24.00	-0.65	11.24	30.00
11a	1	5580	14.73	-	14.73	24.00	-0.65	14.08	30.00
11a	1	5700	10.98	-	10.98	24.00	-0.65	10.33	30.00
11a	1	5720*	14.91	-	14.91	24.00	-0.65	14.26	30.00
HT20,M0-7	1	5500	11.75	-	11.75	24.00	-0.65	11.10	30.00
HT20,M0-7	1	5580	14.99	-	14.99	24.00	-0.65	14.34	30.00
HT20,M0-7	1	5700	10.85	-	10.85	24.00	-0.65	10.20	30.00
HT20,M0-7	1	5720*	14.81	-	14.81	24.00	-0.65	14.16	30.00
HT20,M8-15	2	5500	5.91	5.98	8.95	24.00	-1.03	7.92	30.00
HT20,M8-15	2	5580	8.76	9.18	11.98	24.00	-1.03	10.95	30.00
HT20,M8-15	2	5700	5.65	5.96	8.82	24.00	-1.03	7.78	30.00
HT20,M8-15	2	5720*	8.79	8.82	11.81	24.00	-1.03	10.78	30.00
HT40,M0-7	1	5510	8.95	-	8.95	24.00	-0.65	8.30	30.00
HT40,M0-7	1	5550	14.85	-	14.85	24.00	-0.65	14.20	30.00
HT40,M0-7	1	5670	14.42	-	14.42	24.00	-0.65	13.77	30.00
HT40,M0-7	1	5710*	14.76	-	14.76	24.00	-0.65	14.11	30.00
HT40,M8-15	2	5510	3.43	3.53	6.49	24.00	-1.03	5.46	30.00
HT40,M8-15	2	5550	9.03	8.96	12.00	24.00	-1.03	10.97	30.00
HT40,M8-15	2	5670	8.52	8.37	11.45	24.00	-1.03	10.42	30.00
HT40,M8-15	2	5710*	8.79	8.90	11.85	24.00	-1.03	10.82	30.00
Result			Complied						
* = Band-crossing channel. The conducted output power within each band of operation shall comply with the limits for that band.									

Maximum Conducted (Average) Output Power (Straddle 5725 MHz band)									
Condition			RF Output Power (dBm)						
Modulation Mode	N _{TX}	Freq. (MHz)	Chain Port 1	Chain Port 2	Sum Chain	Power Limit	DG (dBi)	EIRP Power	EIRP Limit
VHT20,M0-8	1	5500	11.92	-	11.92	24.00	-0.65	11.27	30.00
VHT20,M0-8	1	5580	14.80	-	14.80	24.00	-0.65	14.15	30.00
VHT20,M0-8	1	5700	11.02	-	11.02	24.00	-0.65	10.37	30.00
VHT20,M0-8	1	5720*	14.79	-	14.79	24.00	-0.65	14.14	30.00
VHT20,M10-18	2	5500	5.86	5.98	8.93	24.00	-1.03	7.90	30.00
VHT20,M10-18	2	5580	8.85	8.74	11.80	24.00	-1.03	10.77	30.00
VHT20,M10-18	2	5700	5.64	5.93	8.80	24.00	-1.03	7.76	30.00
VHT20,M10-18	2	5720*	8.81	8.77	11.80	24.00	-1.03	10.77	30.00
VHT40,M0-9	1	5510	9.08	-	9.08	24.00	-0.65	8.43	30.00
VHT40,M0-9	1	5550	14.88	-	14.88	24.00	-0.65	14.23	30.00
VHT40,M0-9	1	5670	14.91	-	14.91	24.00	-0.65	14.26	30.00
VHT40,M0-9	1	5710*	14.76	-	14.76	24.00	-0.65	14.11	30.00
VHT40,M10-19	2	5510	3.51	3.47	6.50	24.00	-1.03	5.47	30.00
VHT40,M10-19	2	5550	8.91	9.03	11.98	24.00	-1.03	10.95	30.00
VHT40,M10-19	2	5670	8.47	8.35	11.42	24.00	-1.03	10.39	30.00
VHT40,M10-19	2	5710*	8.81	8.91	11.87	24.00	-1.03	10.84	30.00
VHT80,M0-9	1	5530	6.83	-	6.83	24.00	-0.65	6.18	30.00
VHT80,M0-9	1	5610	12.30	-	12.30	24.00	-0.65	11.65	30.00
VHT80,M0-9	1	5690*	12.46	-	12.46	24.00	-0.65	11.81	30.00
VHT80,M10-19	2	5530	1.99	1.95	4.98	24.00	-1.03	3.95	30.00
VHT80,M10-19	2	5610	9.13	8.75	11.96	24.00	-1.03	10.92	30.00
VHT80,M10-19	2	5690*	8.91	8.96	11.95	24.00	-1.03	10.92	30.00
Result			Complied						
* = Band-crossing channel. The conducted output power within each band of operation shall comply with the limits for that band.									

Maximum Conducted (Average) Output Power (Straddle 5725 MHz band)									
Condition			RF Output Power (dBm)						
Modulation Mode	N _{TX}	Freq. (MHz)	Chain Port 1	Chain Port 2	Sum Chain	Power Limit	DG (dBi)	EIRP Power	EIRP Limit
11a	1	5720*	8.85	-	8.85	30.00	-0.65	8.20	35.25
HT20,M0-7	1	5720*	9.36	-	9.36	30.00	-0.65	8.71	35.55
HT20,M8-15	2	5720*	3.27	3.08	6.18	30.00	-1.03	5.15	35.50
HT40,M0-7	1	5710*	2.12	-	2.12	30.00	-0.65	1.47	36.00
HT40,M8-15	2	5710*	-3.83	-4.17	-0.99	30.00	-1.03	-2.02	36.00
VHT20,M0-8	1	5720*	9.32	-	9.32	30.00	-0.65	8.67	35.55
VHT20,M10-18	2	5720*	3.23	3.05	6.15	30.00	-1.03	5.12	35.54
VHT40,M0-9	1	5710*	2.16	-	2.16	30.00	-0.65	1.51	36.00
VHT40,M10-19	2	5710*	-3.88	-4.19	-1.02	30.00	-1.03	-2.06	36.00
VHT80,M0-9	1	5690*	-4.43	-	-4.43	30.00	-0.65	-5.08	36.00
VHT80,M10-19	2	5690*	-7.87	-8.39	-5.11	30.00	-1.03	-6.14	36.00
Result			Complied						
* = Band-crossing channel. The conducted output power within each band of operation shall comply with the limits for that band.									

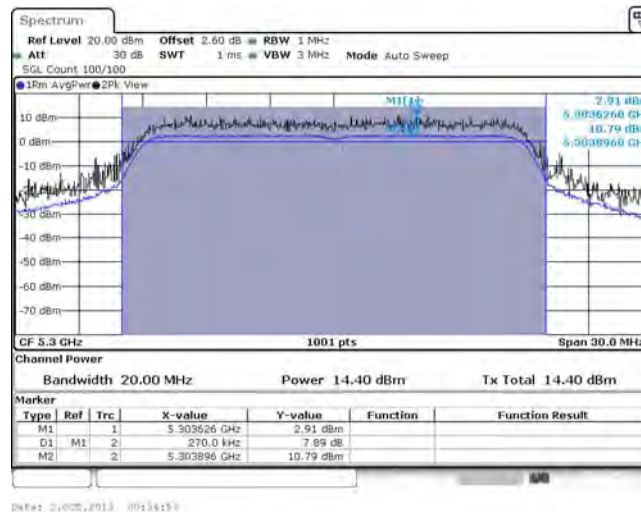
5150-5250MHz - Worst RF Output Power Plots

VHT20



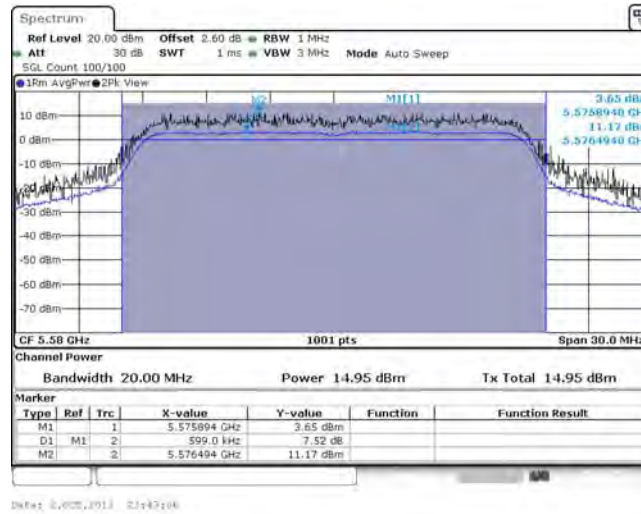
5250-5350MHz - Worst RF Output Power Plots

VHT20



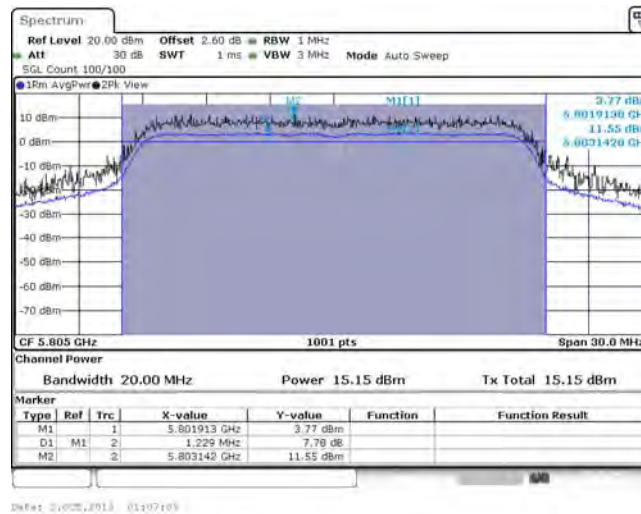
5470-5725MHz - Worst RF Output Power Plots

HT20



5725-5825MHz - Worst RF Output Power Plots

VHT20



3.4 Peak Power Spectral Density

3.4.1 Peak Power Spectral Density Limit

Peak Power Spectral Density Limit	
UNII Devices	
☒	For the 5.15-5.25 GHz band, the peak power spectral density (PPSD) ≤ 4 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 4 - (G_{TX} - 6)$.
☒	For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.
☒	For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.
☐	For the 5.725-5.825 GHz band:
☐	Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 17 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 17 - (G_{TX} - 6)$.
☐	Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 17 dBm/MHz. If $G_{TX} > 23$ dBi, then $PPSD = 17 - (G_{TX} - 23)$.
LE-LAN Devices	
☒	For the 5.15-5.25 GHz band, the peak power spectral density (PPSD) ≤ 4 dBm/MHz and the e.i.r.p. peak power spectral density (PPSD) ≤ 10 dBm/MHz.
☒	For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz and the e.i.r.p. peak power spectral density (PPSD) ≤ 17 dBm/MHz.
☒	For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz and the e.i.r.p. peak power spectral density (PPSD) ≤ 17 dBm/MHz.
☐	For the 5.725-5.825 GHz band, the peak power spectral density (PPSD) ≤ 17 dBm/MHz and the e.i.r.p. peak power spectral density (PPSD) ≤ 23 dBm/MHz.
PPSD = peak power spectral density that he same method as used to determine the conducted output power shall be used to determine the power spectral density. And power spectral density in dBm/MHz G_{TX} = the maximum transmitting antenna directional gain in dBi.	

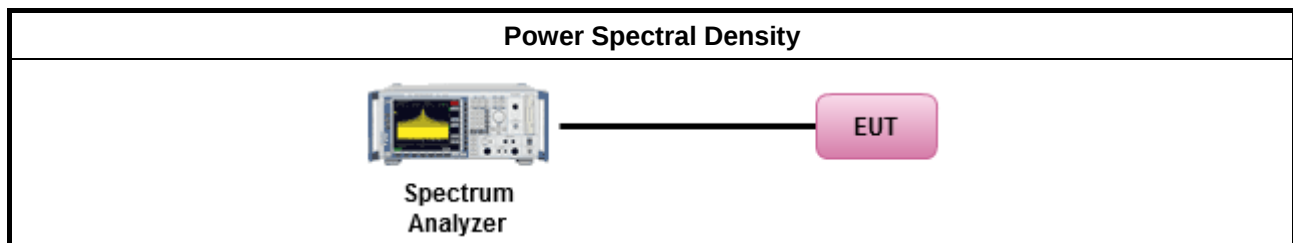
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method	
☒	Peak power spectral density procedures that the same method as used to determine the conducted output power shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options:
☐	Refer as FCC KDB 789033, F5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth
	[duty cycle ≥ 98% or external video / power trigger]
☒	Refer as FCC KDB 789033, clause E Method SA-1 (spectral trace averaging).
☐	Refer as FCC KDB 789033, clause E Method SA-1 Alt. (RMS detection with slow sweep speed)
	duty cycle < 98% and average over on/off periods with duty factor
☐	Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).
☐	Refer as FCC KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
☒	For conducted measurement.
☐	The EUT supports single transmit chain and measurements performed on this transmit chain.
☒	The EUT supports diversity transmitting and the results on transmit chain port 1 is the worst case.
☒	The EUT supports multiple transmit chains using options given below:
☒	Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
☐	Option 2: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.
☐	If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$
☐	Each individually PPSD plots refer as test report clause 3.3.5 with each individually PPSD plots.

3.4.4 Test Setup



3.4.5 Directional Gain for Power Spectral Density Measurement

Directional Gain (DG) Result					
Transmit Chains No.		1	2	-	-
Maximum G_{ANT} (dBi)		-0.65	-1.45	-	-
Modulation Mode	DG (dBi)	N_{TX}	N_{SS} (Min.)	STBC	Array Gain (dB)
11a,6-54Mbps	-0.65	1	1	-	-
HT20,M0-7	-0.65	1	1	-	-
HT20,M8-15	-1.03	2	2	-	-
HT40,M0-7	-0.65	1	1	-	-
HT40,M8-15	-1.03	2	2	-	-
VHT20,M0-8	-0.65	1	1	-	-
VHT20,M10-18	-1.03	2	2	-	-
VHT40,M0-9	-0.65	1	1	-	-
VHT40,M10-19	-1.03	2	2	-	-
VHT80,M0-9	-0.65	1	1	-	-
VHT80,M10-19	-1.03	2	2	-	-

Note 1: For all transmitter outputs with equal antenna gains, directional gain is to be computed as follows:
Any transmit signals are correlated, Directional Gain = $G_{ANT} + 10 \log(N_{TX})$
All transmit signals are completely uncorrelated, Directional Gain = G_{ANT}

Note 2: For all transmitter outputs with unequal antenna gains, directional gain is to be computed as follows:
Any transmit signals are correlated, Directional Gain = $10 \log[(10^{G_{1/20}} + \dots + 10^{G_{N/20}})^2 / N_{TX}]$
All transmit signals are completely uncorrelated, Directional Gain = $10 \log[(10^{G_{1/10}} + \dots + 10^{G_{N/10}}) / N_{TX}]$

Note 3: For Spatial Multiplexing, Directional Gain (DG) = $G_{ANT} + 10 \log(N_{TX}/N_{SS})$,
where N_{SS} = the number of independent spatial streams data.

Note 4: For CDD transmissions, directional gain is calculated as power spectral density measurements:
Directional Gain (DG) = $G_{ANT} + \text{Array Gain}$, where Array Gain is as follows:
Array Gain = $10 \log(N_{TX}/N_{SS})$;

3.4.6 Test Result of Peak Power Spectral Density

Peak Power Spectral Density Result (5150-5250MHz band)							
Condition			Peak Power Spectral Density (dBm/MHz)				
Modulation Mode	N _{TX}	Freq. (MHz)	Sum Chain	PSD Limit	DG (dBi)	EIRP PSD	EIRP Limit
11a	1	5180	0.77	4.00	-0.65	0.12	10.00
11a	1	5200	2.79	4.00	-0.65	2.14	10.00
11a	1	5240	2.67	4.00	-0.65	2.02	10.00
HT20,M0-7	1	5180	0.31	4.00	-0.65	-0.34	10.00
HT20,M0-7	1	5200	2.63	4.00	-0.65	1.98	10.00
HT20,M0-7	1	5240	2.46	4.00	-0.65	1.81	10.00
HT20,M8-15	2	5180	-1.10	4.00	-1.03	-2.13	10.00
HT20,M8-15	2	5200	-0.82	4.00	-1.03	-1.85	10.00
HT20,M8-15	2	5240	-0.58	4.00	-1.03	-1.61	10.00
HT40,M0-7	1	5190	-4.18	4.00	-0.65	-4.83	10.00
HT40,M0-7	1	5230	0.34	4.00	-0.65	-0.31	10.00
HT40,M8-15	2	5190	-7.30	4.00	-1.03	-8.33	10.00
HT40,M8-15	2	5230	-2.94	4.00	-1.03	-3.97	10.00
VHT20,M0-8	1	5180	0.48	4.00	-0.65	-0.17	10.00
VHT20,M0-8	1	5200	2.60	4.00	-0.65	1.95	10.00
VHT20,M0-8	1	5240	2.43	4.00	-0.65	1.78	10.00
VHT20,M10-18	2	5180	-1.10	4.00	-1.03	-2.13	10.00
VHT20,M10-18	2	5200	-0.76	4.00	-1.03	-1.79	10.00
VHT20,M10-18	2	5240	-0.74	4.00	-1.03	-1.77	10.00
VHT40,M0-9	1	5190	-3.95	4.00	-0.65	-4.60	10.00
VHT40,M0-9	1	5230	0.38	4.00	-0.65	-0.27	10.00
VHT40,M10-19	2	5190	-7.33	4.00	-1.03	-8.36	10.00
VHT40,M10-19	2	5230	-2.92	4.00	-1.03	-3.95	10.00
VHT80,M0-9	1	5210	-8.53	4.00	-0.65	-9.18	10.00
VHT80,M10-19	2	5210	-9.85	4.00	-1.03	-10.88	10.00
Result			Complied				

Peak Power Spectral Density Result (5250-5350MHz band)							
Condition			Peak Power Spectral Density (dBm/MHz)				
Modulation Mode	N _{TX}	Freq. (MHz)	Sum Chain	PSD Limit	DG (dBi)	EIRP PSD	EIRP Limit
11a	1	5260	3.28	11.00	-0.65	2.63	17.00
11a	1	5300	3.29	11.00	-0.65	2.64	17.00
11a	1	5320	0.94	11.00	-0.65	0.29	17.00
HT20,M0-7	1	5260	2.74	11.00	-0.65	2.09	17.00
HT20,M0-7	1	5300	3.03	11.00	-0.65	2.38	17.00
HT20,M0-7	1	5320	0.91	11.00	-0.65	0.26	17.00
HT20,M8-15	2	5260	-0.34	11.00	-1.03	-1.37	17.00
HT20,M8-15	2	5300	-0.08	11.00	-1.03	-1.11	17.00
HT20,M8-15	2	5320	-0.77	11.00	-1.03	-1.80	17.00
HT40,M0-7	1	5270	-4.21	11.00	-0.65	-4.86	17.00
HT40,M0-7	1	5310	-2.77	11.00	-0.65	-3.42	17.00
HT40,M8-15	2	5270	-6.43	11.00	-1.03	-7.46	17.00
HT40,M8-15	2	5310	-4.86	11.00	-1.03	-5.89	17.00
VHT20,M0-8	1	5260	2.92	11.00	-0.65	2.27	17.00
VHT20,M0-8	1	5300	2.95	11.00	-0.65	2.30	17.00
VHT20,M0-8	1	5320	0.70	11.00	-0.65	0.05	17.00
VHT20,M10-18	2	5260	-0.18	11.00	-1.03	-1.21	17.00
VHT20,M10-18	2	5300	-0.12	11.00	-1.03	-1.15	17.00
VHT20,M10-18	2	5320	-0.55	11.00	-1.03	-1.58	17.00
VHT40,M0-9	1	5270	-4.29	11.00	-0.65	-4.94	17.00
VHT40,M0-9	1	5310	-2.48	11.00	-0.65	-3.13	17.00
VHT40,M10-19	2	5270	-6.45	11.00	-1.03	-7.48	17.00
VHT40,M10-19	2	5310	-4.69	11.00	-1.03	-5.72	17.00
VHT80,M0-9	1	5290	-7.08	11.00	-0.65	-7.73	17.00
VHT80,M0-9	2	5290	-9.08	11.00	-1.03	-10.11	17.00
Result			Complied				

Peak Power Spectral Density Result (5470-5725MHz band)							
Condition			Peak Power Spectral Density (dBm/MHz)				
Modulation Mode	N _{TX}	Freq. (MHz)	Sum Chain	PSD Limit	DG (dBi)	EIRP PSD	EIRP Limit
11a	1	5500	0.90	11.00	-0.65	0.25	17.00
11a	1	5580	3.76	11.00	-0.65	3.11	17.00
11a	1	5700	0.09	11.00	-0.65	-0.56	17.00
11a	1	5720*	4.71	11.00	-0.65	4.06	17.00
HT20,M0-7	1	5500	0.55	11.00	-0.65	-0.10	17.00
HT20,M0-7	1	5580	3.69	11.00	-0.65	3.04	17.00
HT20,M0-7	1	5700	-0.45	11.00	-0.65	-1.10	17.00
HT20,M0-7	1	5720*	4.41	11.00	-0.65	3.76	17.00
HT20,M8-15	2	5500	-2.65	11.00	-1.03	-3.68	17.00
HT20,M8-15	2	5580	0.33	11.00	-1.03	-0.70	17.00
HT20,M8-15	2	5700	-2.59	11.00	-1.03	-3.62	17.00
HT20,M8-15	2	5720*	1.27	11.00	-1.03	0.24	17.00
HT40,M0-7	1	5510	-4.33	11.00	-0.65	-4.98	17.00
HT40,M0-7	1	5550	1.51	11.00	-0.65	0.86	17.00
HT40,M0-7	1	5670	0.67	11.00	-0.65	0.02	17.00
HT40,M0-7	1	5710*	1.29	11.00	-0.65	0.64	17.00
HT40,M8-15	2	5510	-7.27	11.00	-1.03	-8.30	17.00
HT40,M8-15	2	5550	-1.82	11.00	-1.03	-2.85	17.00
HT40,M8-15	2	5670	-2.34	11.00	-1.03	-3.37	17.00
HT40,M8-15	2	5710*	-1.90	11.00	-1.03	-2.93	17.00
Result			Complied				
* = Band-crossing channel. The PSD within each band of operation shall comply with the limits for that band.							

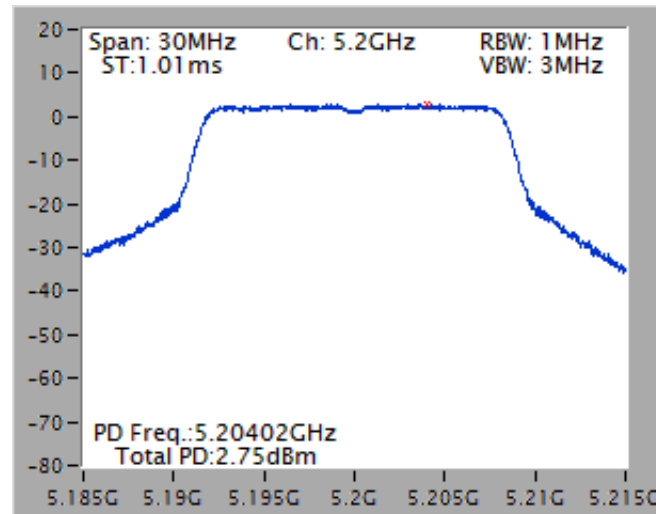
Peak Power Spectral Density Result (5470-5725MHz band)							
Condition			Peak Power Spectral Density (dBm/MHz)				
Modulation Mode	N _{TX}	Freq. (MHz)	Sum Chain	PSD Limit	DG (dBi)	EIRP PSD	EIRP Limit
VHT20,M0-8	1	5500	0.43	11.00	-0.65	-0.22	17.00
VHT20,M0-8	1	5580	3.43	11.00	-0.65	2.78	17.00
VHT20,M0-8	1	5700	-0.24	11.00	-0.65	-0.89	17.00
VHT20,M0-8	1	5720*	4.33	11.00	-0.65	3.68	17.00
VHT20,M10-18	2	5500	-2.68	11.00	-1.03	-3.71	17.00
VHT20,M10-18	2	5580	0.24	11.00	-1.03	-0.79	17.00
VHT20,M10-18	2	5700	-2.69	11.00	-1.03	-3.72	17.00
VHT20,M10-18	2	5720*	1.41	11.00	-1.03	0.38	17.00
VHT40,M0-9	1	5510	-4.29	11.00	-0.65	-4.94	17.00
VHT40,M0-9	1	5550	1.26	11.00	-0.65	0.61	17.00
VHT40,M0-9	1	5670	1.29	11.00	-0.65	0.64	17.00
VHT40,M0-9	1	5710*	1.30	11.00	-0.65	0.65	17.00
VHT40,M10-19	2	5510	-7.43	11.00	-1.03	-8.46	17.00
VHT40,M10-19	2	5550	-1.88	11.00	-1.03	-2.91	17.00
VHT40,M10-19	2	5670	-2.35	11.00	-1.03	-3.38	17.00
VHT40,M10-19	2	5710*	-1.69	11.00	-1.03	-2.72	17.00
VHT80,M0-9	1	5530	-9.15	11.00	-0.65	-9.80	17.00
VHT80,M0-9	1	5610	-4.03	11.00	-0.65	-4.68	17.00
VHT80,M0-9	1	5690*	-4.09	11.00	-0.65	-4.74	17.00
VHT80,M10-19	2	5530	-11.52	11.00	-1.03	-12.55	17.00
VHT80,M10-19	2	5610	-4.65	11.00	-1.03	-5.68	17.00
VHT80,M10-19	2	5690*	-4.36	11.00	-1.03	-5.39	17.00
Result			Complied				
* = Band-crossing channel. The PSD within each band of operation shall comply with the limits for that band.							



Peak Power Spectral Density Result (5725-5825MHz band)							
Condition			Peak Power Spectral Density (dBm/MHz)				
Modulation Mode	N _{TX}	Freq. (MHz)	Sum Chain	PSD Limit	DG (dBi)	EIRP PSD	EIRP Limit
11a	1	5720*	4.49	17.00	-0.65	3.84	23.00
HT20,M0-7	1	5720*	4.27	17.00	-0.65	3.62	23.00
HT20,M8-15	2	5720*	1.09	17.00	-1.03	0.06	23.00
HT40,M0-7	1	5710*	-2.09	17.00	-0.65	-2.74	23.00
HT40,M8-15	2	5710*	-5.33	17.00	-1.03	-6.36	23.00
VHT20,M0-8	1	5720*	4.31	17.00	-0.65	3.66	23.00
VHT20,M10-18	2	5720*	1.17	17.00	-1.03	0.14	23.00
VHT40,M0-9	1	5710*	-2.82	17.00	-0.65	-3.47	23.00
VHT40,M10-19	2	5710*	-5.43	17.00	-1.03	-6.46	23.00
VHT80,M0-9	1	5690*	-8.75	17.00	-0.65	-9.40	23.00
VHT80,M10-19	2	5690*	-9.64	17.00	-1.03	-10.67	23.00
Result			Complied				
* = Band-crossing channel. The PSD within each band of operation shall comply with the limits for that band.							

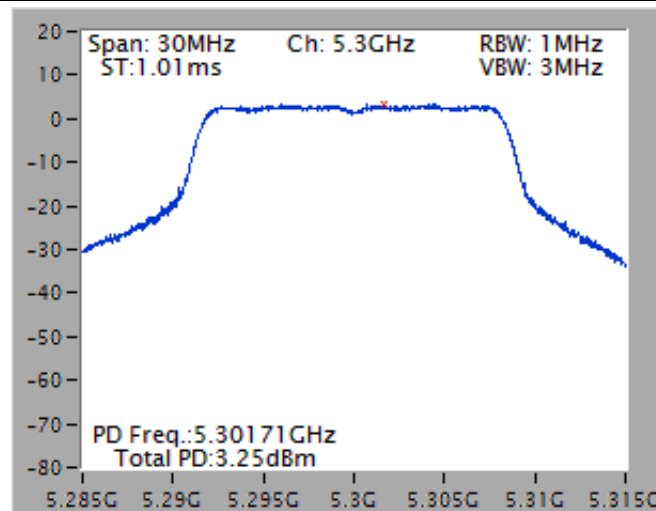
5150-5250MHz - Worst Power Spectral Density Plots

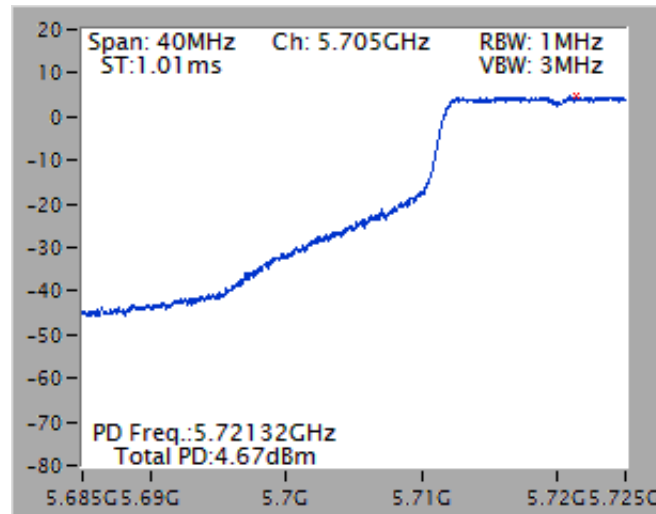
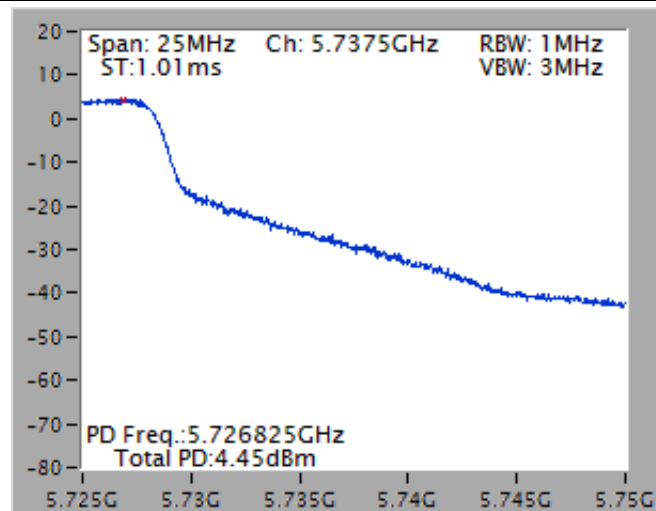
HT20



5250-5350MHz - Worst Power Spectral Density Plots

HT20



5470-5725MHz - Worst Power Spectral Density Plots
11a

5725-5825MHz - Worst Power Spectral Density Plots
11a


3.5 Peak Excursion

3.5.1 Peak Excursion Limit

Peak Excursion Limit	
UNII Devices	
☒	Peak excursion ≤ 13 dB. The ratio of the maximum of the peak-max-hold spectrum to the maximum of the average spectrum for continuous transmission does not exceed 13 dB. (Earlier procedures that required computing the ratio of the two spectra at each frequency across the emission bandwidth can lead to unintended failures at band edges and will no longer be required.)
LE-LAN Devices	
☒	N/A

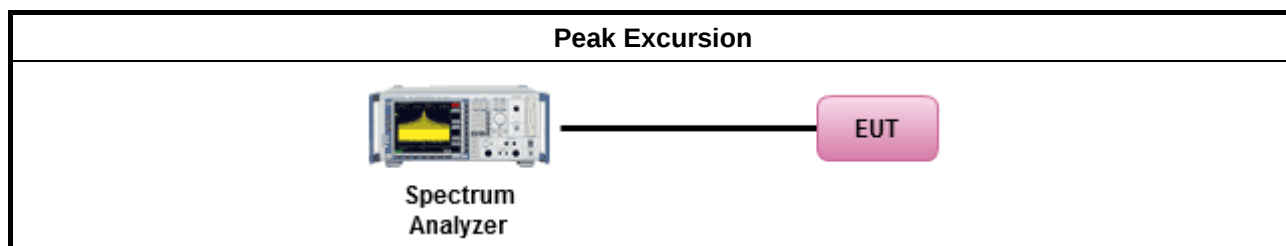
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

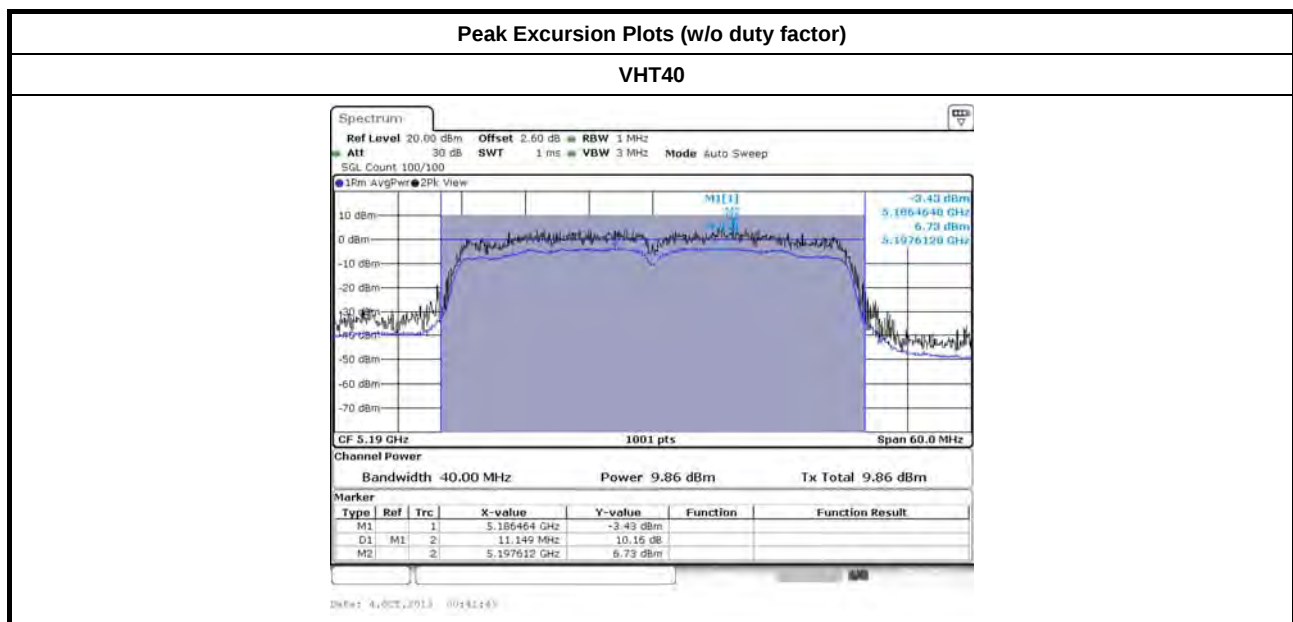
Test Method	
☒	Refer as FCC KDB 789033, clause G peak excursion method.
☒	Testing each modulation mode on a single channel is sufficient to demonstrate compliance with the peak excursion requirement
☒	For conducted measurement.
☐	☒ Testing a single output port is sufficient to demonstrate compliance with the peak excursion.

3.5.4 Test Setup



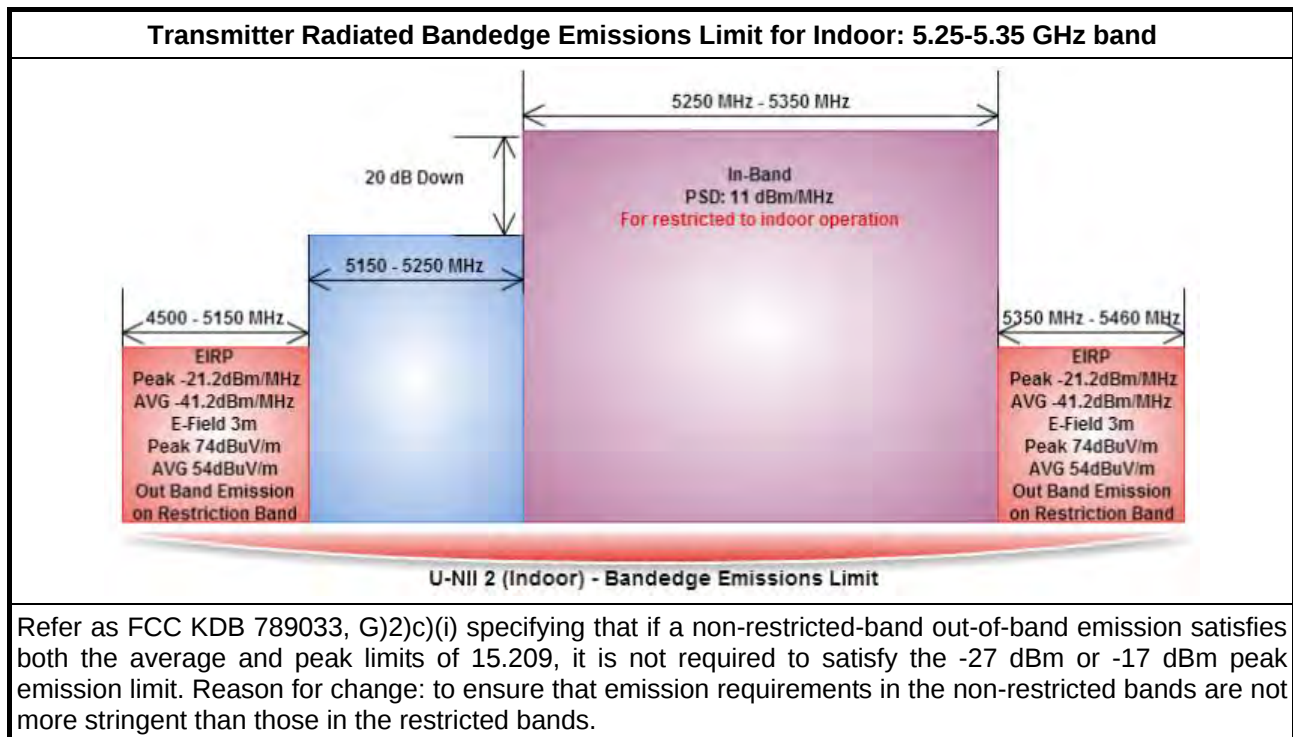
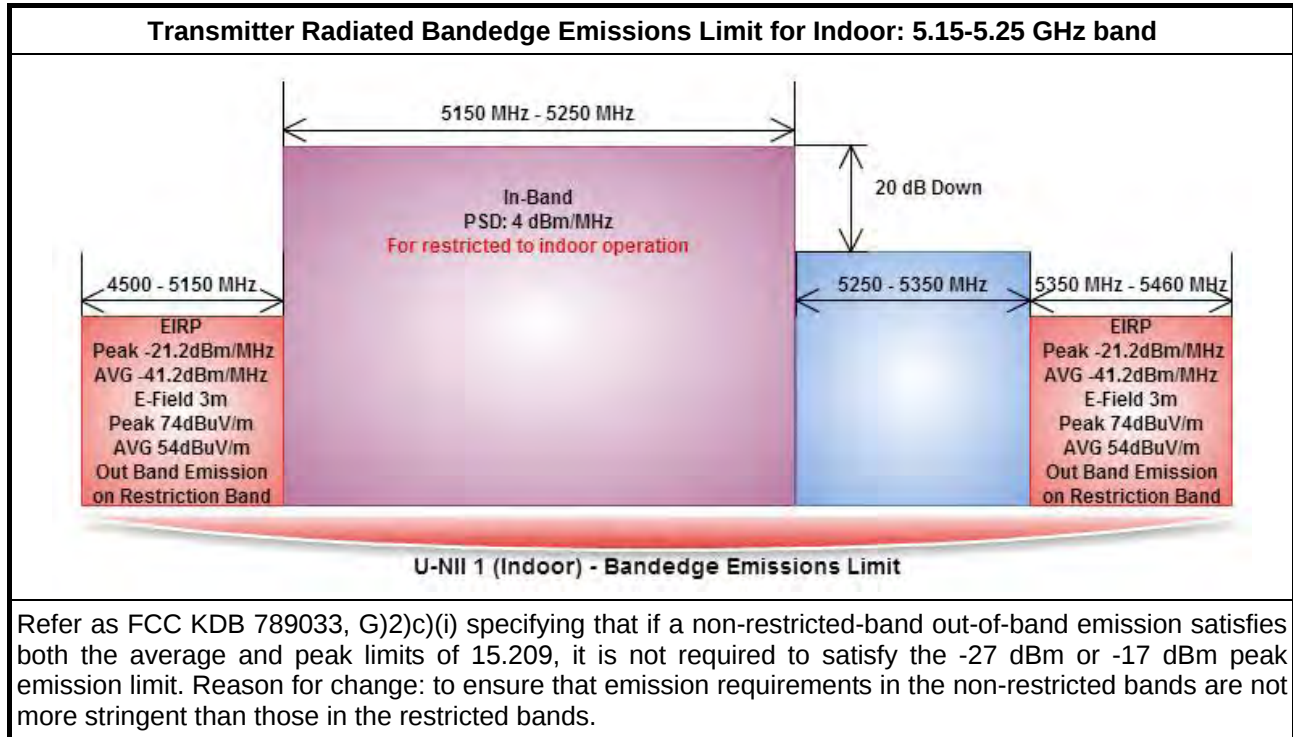
3.5.5 Test Result of Peak Excursion

UNII Peak Excursion Result								
Condition			Peak Excursion (dB)					
Modulation Mode	N _{TX}	Freq. (MHz)	BPSK	QPSK	16QAM	64QAM	256QAM	Limit
11a	1	5180	7.56	7.19	8.18	8.67	-	13
HT20,M0-7	1	5180	7.88	7.85	8.38	8.18	-	13
HT20,M8-15	2	5180	8.02	8.06	8.98	8.31	-	13
HT40,M0-7	1	5190	8.08	8.16	8.35	8.28	-	13
HT40,M8-15	2	5190	8.37	7.89	7.99	8.42	-	13
VHT20,M0-8	1	5180	7.39	8.07	8.28	8.03	8.90	13
VHT20,M10-18	2	5180	7.93	8.43	8.41	8.31	8.58	13
VHT40,M0-9	1	5190	8.19	8.39	8.59	10.16	8.21	13
VHT40,M10-19	2	5190	7.12	8.67	7.97	9.01	9.00	13
VHT80,M0-9	1	5210	7.54	8.44	8.11	8.65	8.68	13
VHT80,M10-19	2	5210	8.01	8.04	8.87	9.29	8.68	13
Result			Complied					

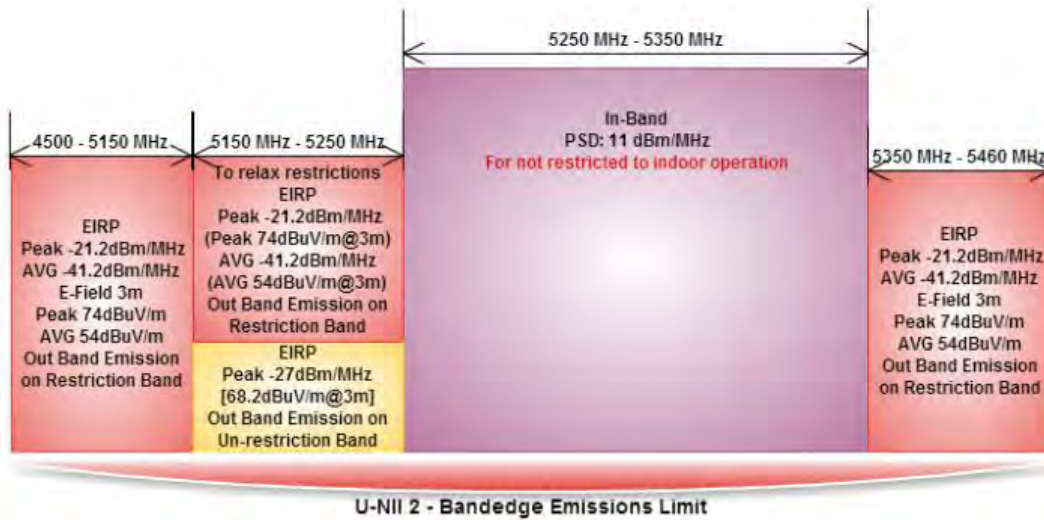


3.6 Transmitter Bandedge Emissions

3.6.1 Transmitter Radiated Bandedge Emissions Limit



Transmitter Radiated Bandedge Emissions Limit for indoor/outdoor: 5.25-5.35 GHz band



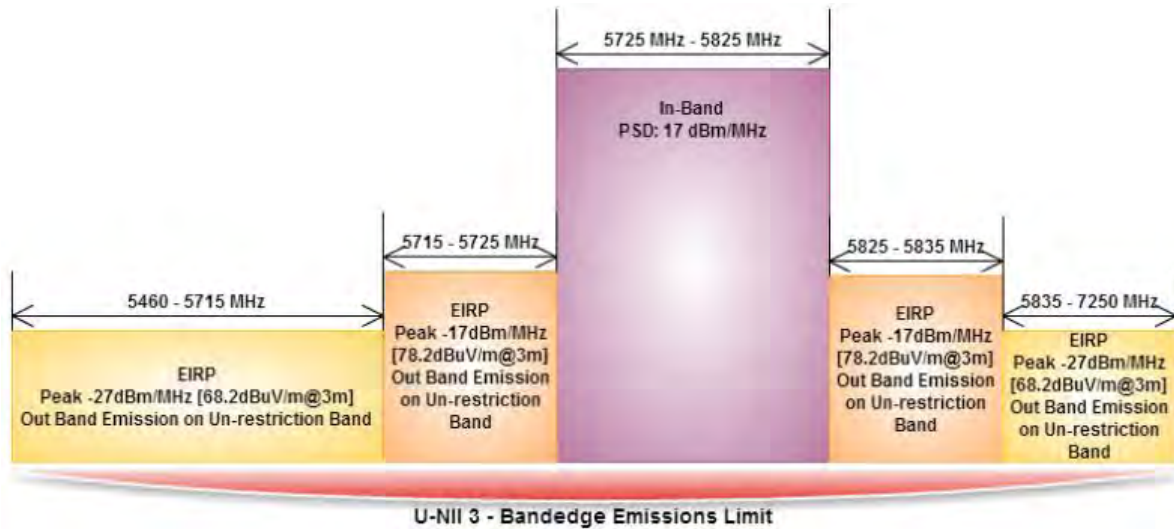
Refer as FCC KDB 789033, G)2)c)(i) specifying that if a non-restricted-band out-of-band emission satisfies both the average and peak limits of 15.209, it is not required to satisfy the -27 dBm or -17 dBm peak emission limit. Reason for change: to ensure that emission requirements in the non-restricted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

Transmitter Radiated Bandedge Emissions Limit: 5.47-5.725 GHz band



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

Transmitter Radiated Bandedge Emissions Limit for 5.8GHz band: 5.725-5.825 GHz band



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

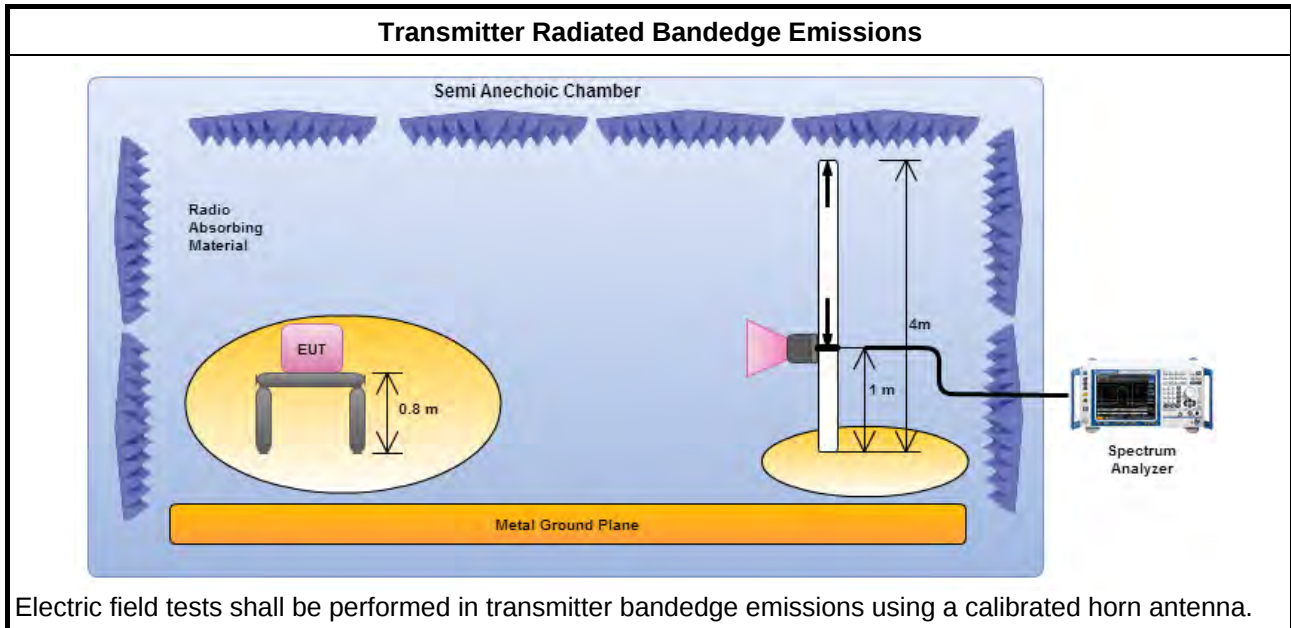
3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

Test Method	
☒	Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements). Measurements in the bandedge are typically made at a closer distance 1.5m, because the instrumentation noise floor is typically close to the radiated emission limit.
☒	The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].
☒	Refer as ANSI C63.10, clause 6.9.2.2 bandedge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.
☐	If EUT operate in adjacent contiguous bands, bandedge testing performed at the lowest frequency channel at lower-band and highest frequency channel at higher-band. Transmitter in-band emissions will consist of adjacent contiguous bands (e.g., IEEE 802.11ac VHT160 The lowest frequency channel at lower-band and highest frequency channel at higher-band in-band emissions will consist of two adjacent contiguous bands.)
☐	☐ Operating in 5.15-5.25 GHz band (lower-band) and 5.25-5.35 GHz band (higher-band).
☐	☐ Operating in 5.47-5.725 GHz band (lower-band) and 5.725-5.825 GHz band (higher-band).
☐	If EUT operate in individual non-contiguous bands, bandedge testing performed at the lowest frequency channel and highest frequency channel within lower-band and higher-band. (e.g., (e.g., IEEE 802.11ac VHT160)
☐	☐ Operating in 5.25-5.35 GHz band (lower-band) and 5.47-5.725 GHz band (higher-band).
☐	☐ Operating in 5.15-5.25 GHz band (lower-band) and 5.725-5.825 GHz band (higher-band).
☒	For the transmitter unwanted emissions shall be measured using following options below:
☒	Refer as FCC KDB 789033, clause H)2) for unwanted emissions into non-restricted bands.
☒	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 4.2.3.2.3 (Reduced VBW). VBW $\geq$ 1/T, where T is pulse time.
☐	☐ Refer as ANSI C63.10, clause 4.2.3.2.4 average value of pulsed emissions.
☒	☒ Refer as FCC KDB 789033, clause H)5) measurement procedure peak limit.
☐	☐ Refer as ANSI C63.10, clause 4.2.3.2.2 measurement procedure peak limit.
☒	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).
☒	☒ Refer as ANSI C63.10, clause 6.9.2 for band-edge testing.
☐	☐ Refer as ANSI C63.10, clause 6.9.3 for marker-delta method for band-edge measurements.
☒	For radiated measurement, refer as ANSI C63.10, clause 6.5 for radiated emissions from above 1 GHz.

3.6.4 Test Setup



3.6.5 Transmitter Radiated Bandedge Emissions (with Antenna)

U-NII 5150-5250MHz Transmitter Radiated Bandedge (with Antenna)										
Modulation Mode	N _{TX}	Freq. (MHz)	Measure Distance (m)	Freq. (MHz) PK	Level (dBuV/m) PK	Limit (dBuV/m) PK	Freq. (MHz) AV	Level (dBuV/m) AV	Limit (dBuV/m) AV	Pol.
11a	1	5180	1	5149.500	72.19	83.54	5149.990	57.71	63.54	H
HT20	1	5180	1	5147.500	71.84	83.54	5149.990	58.37	63.54	H
HT20	2	5180	1	5113.500	71.82	83.54	5148.200	57.53	63.54	H
HT40	1	5190	1	5149.170	77.51	83.54	5149.990	61.32	63.54	H
HT40	2	5190	1	5136.850	71.86	83.54	5145.540	57.49	63.54	H
VHT20	1	5180	1	5145.100	72.61	83.54	5149.990	58.77	63.54	H
VHT20	2	5180	1	5140.300	71.89	83.54	5111.000	56.91	63.54	H
VHT40	1	5190	1	5147.740	75.77	83.54	5149.990	60.33	63.54	H
VHT40	2	5190	1	5112.980	70.80	83.54	5149.060	56.90	63.54	H
VHT80	1	5210	1	5148.600	75.24	83.54	5148.900	60.68	63.54	H
VHT80	2	5210	1	5146.500	71.43	83.54	5147.400	57.37	63.54	H

Note 1: Measurement worst emissions of receive antenna polarization.

U-NII 5250-5350MHz Transmitter Radiated Bandedge (with Antenna)										
Modulation Mode	N _{TX}	Freq. (MHz)	Measure Distance (m)	Freq. (MHz) PK	Level (dBuV/m) PK	Limit (dBuV/m) PK	Freq. (MHz) AV	Level (dBuV/m) AV	Limit (dBuV/m) AV	Pol.
11a	1	5320	1	5351.300	74.82	83.54	5350.010	58.87	63.54	H
HT20	1	5320	1	5352.980	75.07	83.54	5350.180	58.91	63.54	H
HT20	2	5320	1	5365.580	73.10	83.54	5350.740	58.53	63.54	H
HT40	1	5310	1	5350.660	73.48	83.54	5350.390	59.79	63.54	H
HT40	2	5310	1	5350.750	72.83	83.54	5349.990	58.76	63.54	H
VHT20	1	5320	1	5352.980	75.06	83.54	5350.460	59.18	63.54	H
VHT20	2	5320	1	5366.490	72.67	83.54	5352.980	57.99	63.54	H
VHT40	1	5310	1	5354.620	73.33	83.54	5350.010	59.97	63.54	H
VHT40	2	5310	1	5369.830	71.96	83.54	5350.390	57.94	63.54	H
VHT80	1	5290	1	5386.500	72.74	83.54	5350.010	59.14	63.54	H
VHT80	2	5290	1	5358.900	72.17	83.54	5386.200	57.65	63.54	H

Note 1: Measurement worst emissions of receive antenna polarization.

U-NII 5470-5725MHz Transmitter Radiated Bandedge (with Antenna)										
Modulation Mode	N _{TX}	Freq. (MHz)	Measure Distance (m)	Freq. (MHz) PK	Level (dBuV/m) PK	Limit (dBuV/m) PK	Freq. (MHz) AV	Level (dBuV/m) AV	Limit (dBuV/m) AV	Pol.
11a	1	5500	1	5465.760	74.85	83.54	5469.990	59.47	63.54	H
11a	1	5700	1	5731.880	74.19	77.84	-	-	-	H
11a	1	5720*	1	5852.360	72.72	83.54	5860.460	58.10	63.54	H
HT20	1	5500	1	5469.280	75.66	83.54	5469.990	59.49	63.54	H
HT20	1	5700	1	5729.540	73.57	77.84	-	-	-	H
HT20	1	5720*	1	5826.620	72.98	83.54	5826.620	58.45	63.54	H
HT20	2	5500	1	5448.800	72.07	83.54	5467.680	57.93	63.54	H
HT20	2	5700	1	5726.180	72.83	77.84	-	-	-	H
HT20	2	5720*	1	5852.540	72.66	83.54	5861.720	58.25	63.54	H
HT40	1	5510	1	5469.800	76.66	83.54	5469.990	60.84	63.54	H
HT40	1	5670	1	5735.900	73.47	77.84	-	-	-	H
HT40	1	5710*	1	5859.740	72.67	83.54	5862.620	58.40	63.54	H
HT40	2	5510	1	5454.200	72.26	83.54	5469.990	58.17	63.54	H
HT40	2	5670	1	5726.200	73.25	77.84	-	-	-	H
HT40	2	5710*	1	5851.640	72.48	83.54	5855.960	58.27	63.54	H
VHT20	1	5500	1	5468.560	75.74	83.54	5469.990	60.10	63.54	H
VHT20	1	5700	1	5730.260	74.49	77.84	-	-	-	H
VHT20	1	5720*	1	5861.720	72.28	83.54	5854.520	58.26	63.54	H
VHT20	2	5500	1	5439.200	71.67	83.54	5469.920	57.43	63.54	H
VHT20	2	5700	1	5739.080	72.40	77.84	-	-	-	H
VHT20	2	5720*	1	5869.820	71.66	83.54	5861.720	57.73	63.54	H
VHT40	1	5510	1	5468.600	75.60	83.54	5469.990	60.49	63.54	H
VHT40	1	5670	1	5726.300	73.53	77.84	-	-	-	H
VHT40	1	5710*	1	5855.420	72.27	83.54	5860.280	58.24	63.54	H
VHT40	2	5510	1	5453.800	71.83	83.54	5469.990	57.64	63.54	H
VHT40	2	5670	1	5737.000	72.19	77.84	-	-	-	H
VHT40	2	5710*	1	5863.380	72.20	83.54	5853.980	57.70	63.54	H
VHT80	1	5530	1	5466.480	75.66	83.54	5468.080	60.83	63.54	H
VHT80	1	5610	1	5455.280	71.80	83.54	5469.990	58.25	63.54	H
VHT80	1	5690*	1	5467.760	71.77	83.54	5433.200	57.84	63.54	H
VHT80	2	5530	1	5464.240	72.15	83.54	5469.360	57.72	63.54	H
VHT80	2	5610	1	5433.520	71.08	83.54	5469.040	57.30	63.54	H
VHT80	2	5690*	1	5460.400	71.67	83.54	5433.200	57.28	63.54	H

Note 1: Measurement worst emissions of receive antenna polarization.

3.7 Transmitter Unwanted Emissions

3.7.1 Transmitter Radiated Unwanted Emissions Limit

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

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

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

Un-restricted band emissions above 1GHz Limit	
Operating Band	Limit
5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.725 - 5.825 GHz	5.715 5.725 GHz: e.i.r.p. -17 dBm [78.2 dBuV/m@3m] 5.825 5.835 GHz: e.i.r.p. -17 dBm [78.2 dBuV/m@3m] Other un-restricted band: e.i.r.p. -27 dBm [68.2 dBuV/m@3m]

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

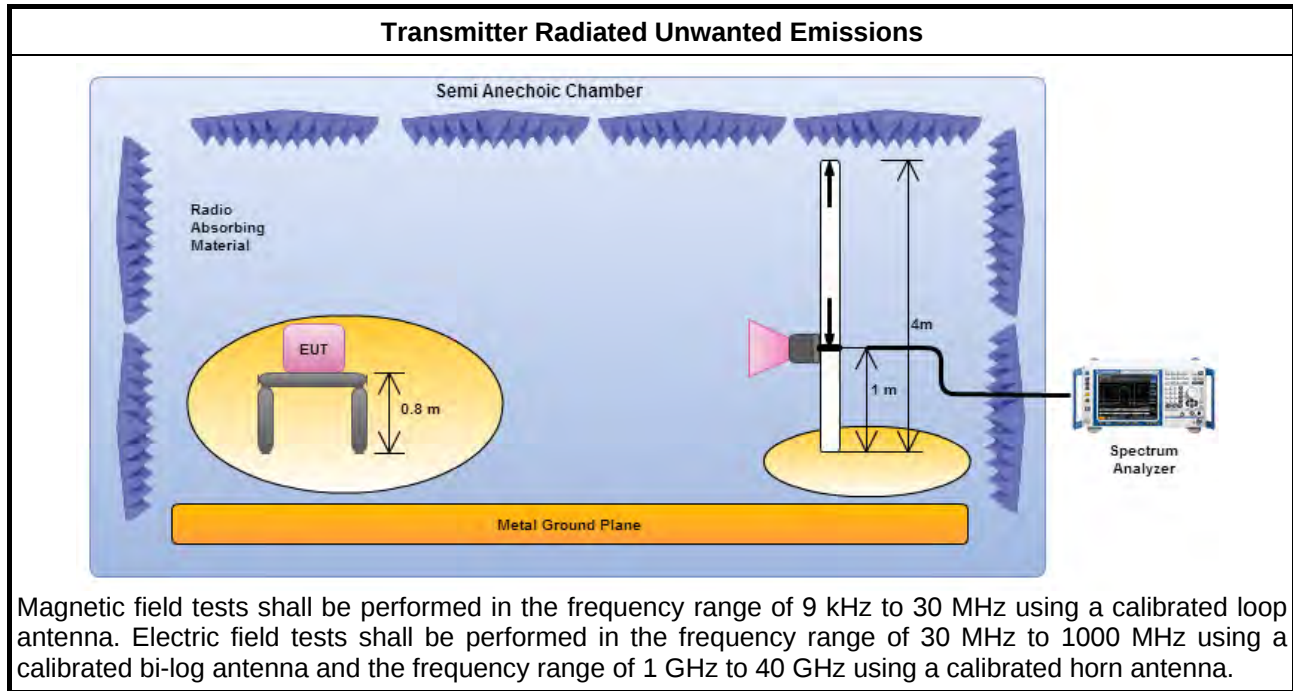
3.7.2 Measuring Instruments

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

3.7.3 Test Procedures

Test Method	
☒	Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).
☒	Measurements in the frequency range 5 GHz - 10GHz are typically made at a closer distance 1.5m, because the instrumentation noise floor is typically close to the radiated emission limit.
☒	Measurements in the frequency range 10 GHz - 18GHz are typically made at a closer distance 1m, because the instrumentation noise floor is typically close to the radiated emission limit.
☒	Measurements in the frequency range above 18 GHz - 40GHz are typically made at a closer distance 0.5m, because the instrumentation noise floor is typically close to the radiated emission limit.
☒	The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].
☒	For the transmitter unwanted emissions shall be measured using following options below:
☒	Refer as FCC KDB 789033, clause H)2) for unwanted emissions into non-restricted bands.
☒	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 4.2.3.2.3 (Reduced VBW). VBW $\geq$ 1/T, where T is pulse time.
☐	Refer as ANSI C63.10, clause 4.2.3.2.4 average value of pulsed emissions.
☒	Refer as FCC KDB 789033, clause H)5) measurement procedure peak limit.
☐	Refer as ANSI C63.10, clause 4.2.3.2.2 measurement procedure peak limit.
☒	For radiated measurement.
☒	Refer as ANSI C63.10, clause 6.4 for radiated emissions from below 30 MHz.
☒	Refer as ANSI C63.10, clause 6.5 for radiated emissions from 30 MHz to 1000 MHz.
☒	Refer as ANSI C63.10, clause 6.6 for radiated emissions from above 1 GHz.

3.7.4 Test Setup



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

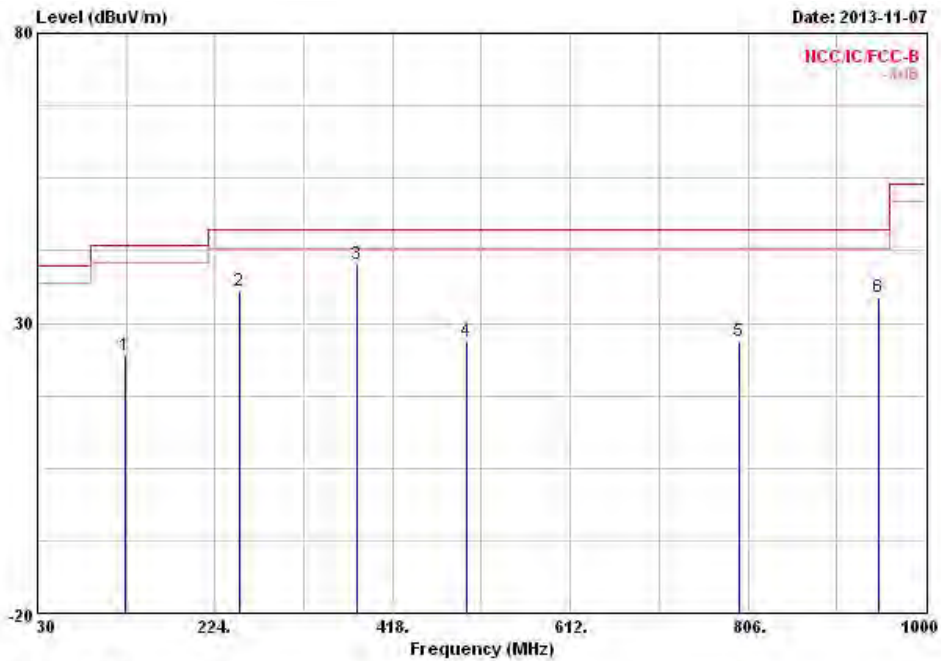
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

3.7.6 Transmitter Radiated Unwanted Emissions (Below 1GHz)



Transmitter Radiated Unwanted Emissions (Below 1GHz)

Operating Mode	1	Polarization	H
Operating Function	AC Power & Radio link		



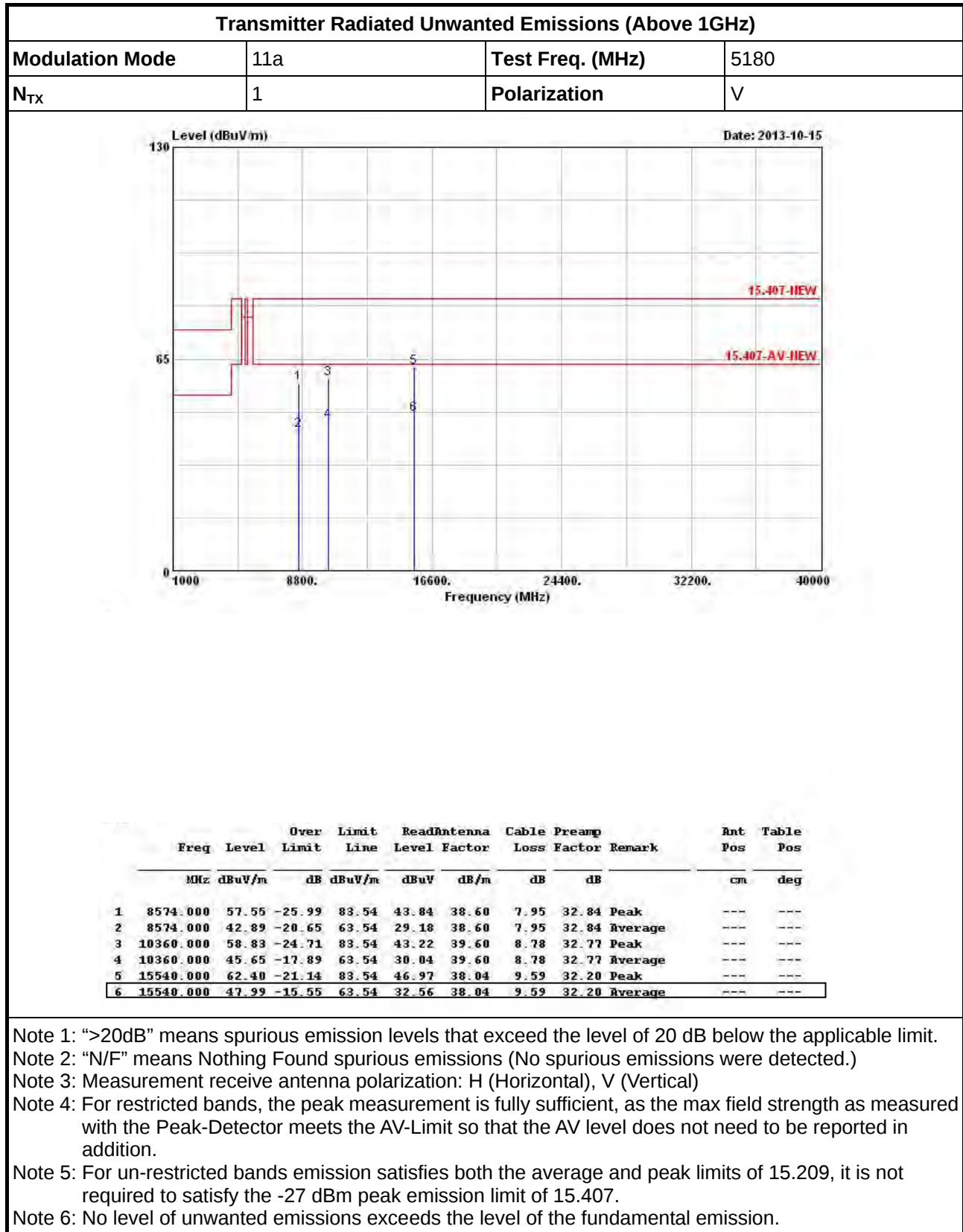
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	125.060	24.31	-19.19	43.50	37.45	12.49	1.66	27.29	Peak	---
2	250.190	35.44	-10.56	46.00	47.23	12.73	2.31	26.83	Peak	---
3	378.230	40.20	-5.80	46.00	49.65	14.85	2.89	27.19	Peak	---
4	498.510	26.84	-19.16	46.00	34.23	17.14	3.34	27.87	Peak	---
5	796.300	26.85	-19.15	46.00	30.69	19.66	4.30	27.80	Peak	---
6	948.590	34.59	-11.41	46.00	36.35	20.85	4.80	27.41	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.)

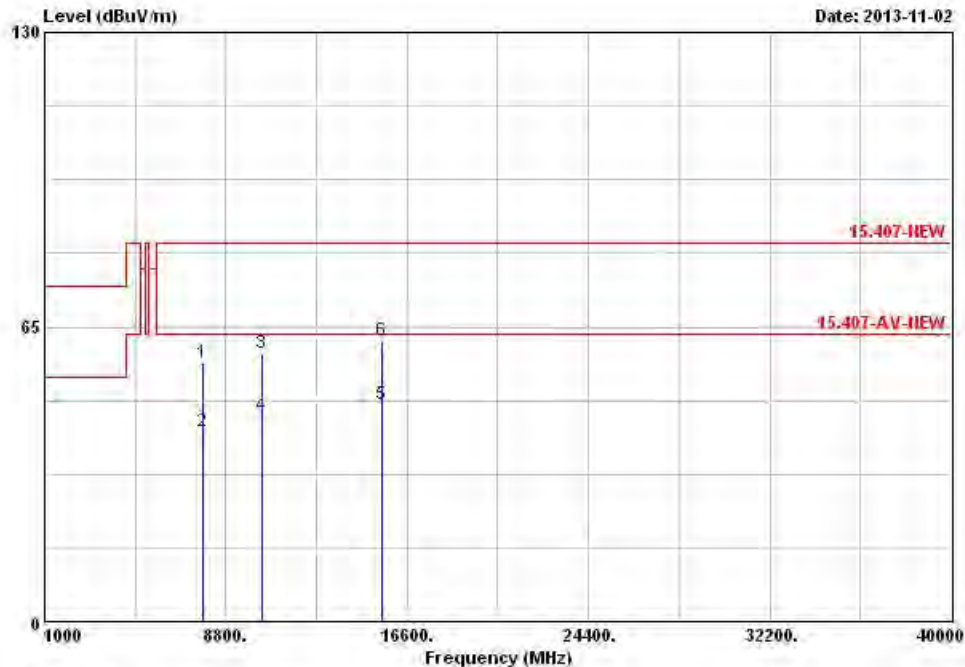
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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



Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a	Test Freq. (MHz)	5180
N_{TX}	1	Polarization	H



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark	Pos	Pos
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	7776.000	57.23	-26.31	83.54	44.38	37.58	8.03	32.76 Peak	---	---
2	7776.000	41.92	-21.62	63.54	29.07	37.58	8.03	32.76 Average	---	---
3	10360.000	59.18	-24.36	83.54	43.57	39.60	8.78	32.77 Peak	---	---
4	10360.000	45.48	-18.06	63.54	29.87	39.60	8.78	32.77 Average	---	---
5	15540.000	47.83	-15.71	63.54	32.40	38.04	9.59	32.20 Average	---	---

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

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

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

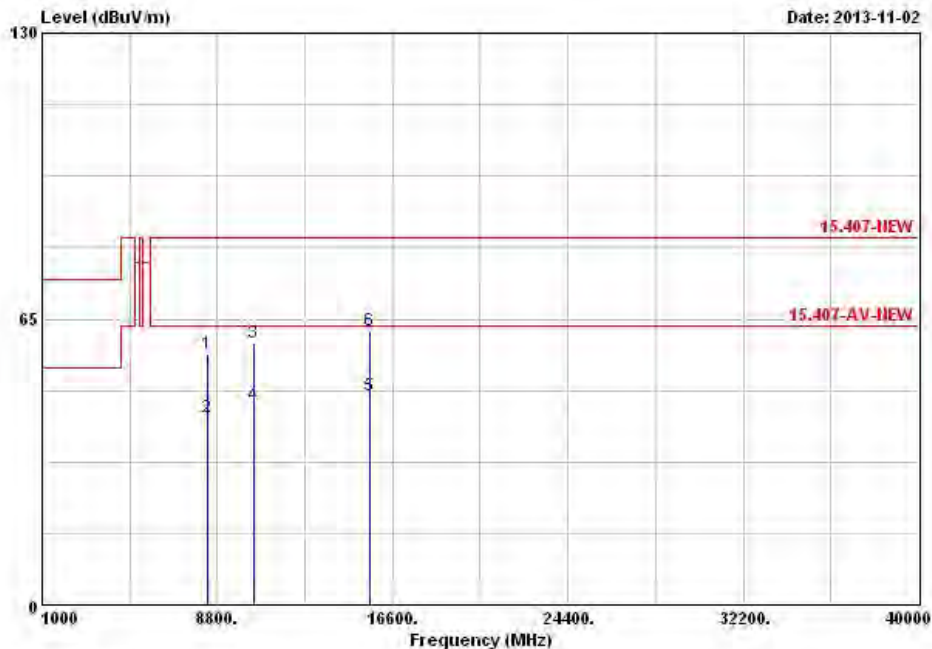
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a	Test Freq. (MHz)	5200
N_{TX}	1	Polarization	V



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8388.000	57.23	-26.31	83.54	43.68	38.51	7.85	32.81	Peak	---
2	8388.000	42.54	-21.00	63.54	28.99	38.51	7.85	32.81	Average	---
3	10400.000	59.48	-24.06	83.54	43.78	39.60	8.83	32.73	Peak	---
4	10400.000	45.50	-18.04	63.54	29.80	39.60	8.83	32.73	Average	---
5	15600.000	47.63	-15.91	63.54	32.37	37.91	9.57	32.22	Average	---
6	15600.000	62.29	-21.25	83.54	47.03	37.91	9.57	32.22	Peak	---

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

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

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

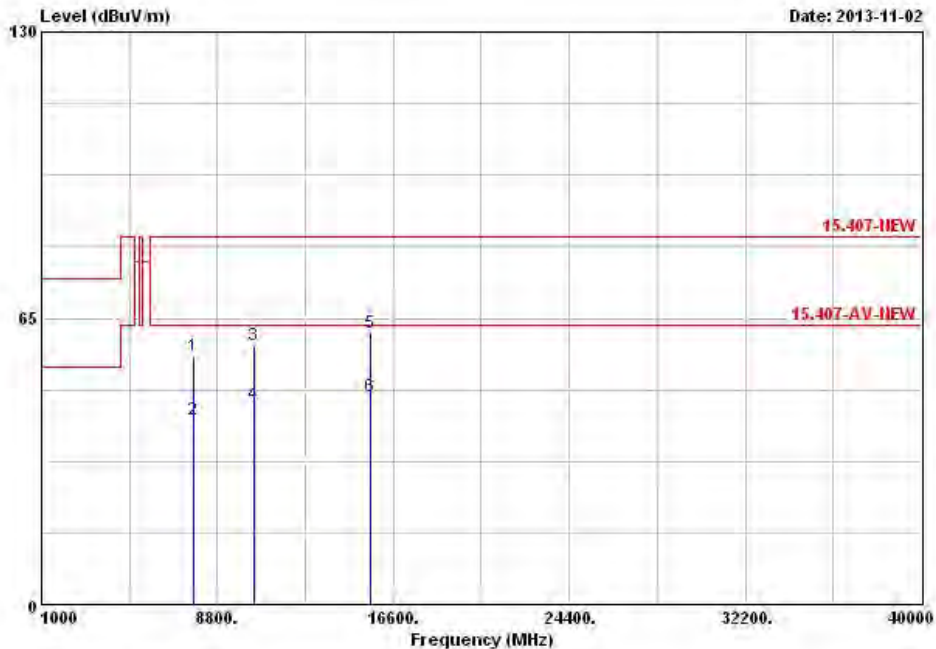
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a	Test Freq. (MHz)	5200
N_{TX}	1	Polarization	H



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	7734.000	56.33	-27.21	83.54	43.54	37.53	8.02	32.76	Peak	---
2	7734.000	41.75	-21.79	63.54	28.96	37.53	8.02	32.76	Average	---
3	10400.000	58.92	-24.62	83.54	43.22	39.60	8.83	32.73	Peak	---
4	10400.000	45.50	-18.04	63.54	29.80	39.60	8.83	32.73	Average	---
5	15600.000	61.56	-21.98	83.54	46.30	37.91	9.57	32.22	Peak	---
6	15600.000	47.25	-16.29	63.54	31.99	37.91	9.57	32.22	Average	---

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

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

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

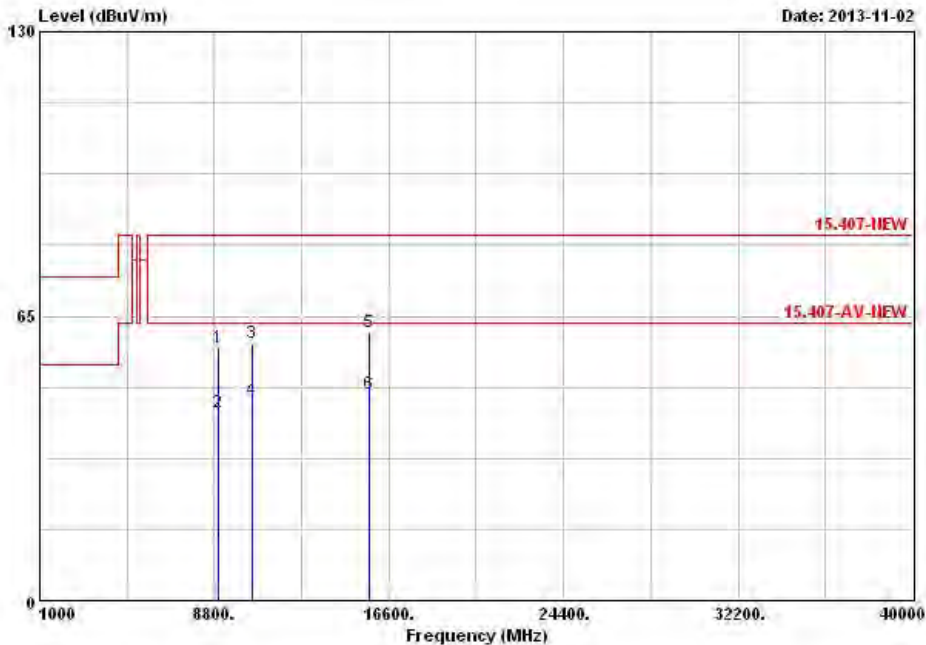
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a	Test Freq. (MHz)	5240
N_{TX}	1	Polarization	V



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8988.000	57.64	-25.90	83.54	43.66	38.12	8.83	32.97	Peak	---
2	8988.000	42.93	-20.61	63.54	28.95	38.12	8.83	32.97	Average	---
3	10480.000	59.01	-24.53	83.54	43.14	39.60	8.94	32.67	Peak	---
4	10480.000	45.64	-17.90	63.54	29.77	39.60	8.94	32.67	Average	---
5	15720.000	61.35	-22.19	83.54	46.37	37.70	9.53	32.25	Peak	---
6	15720.000	47.30	-16.24	63.54	32.32	37.70	9.53	32.25	Average	---

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

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

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

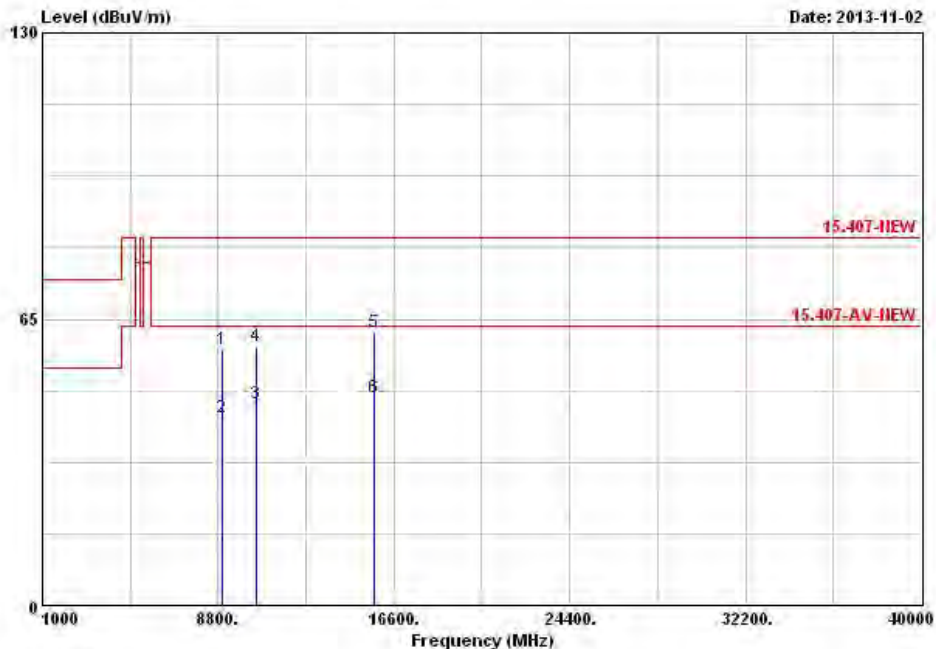
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a	Test Freq. (MHz)	5240
N_{TX}	1	Polarization	H

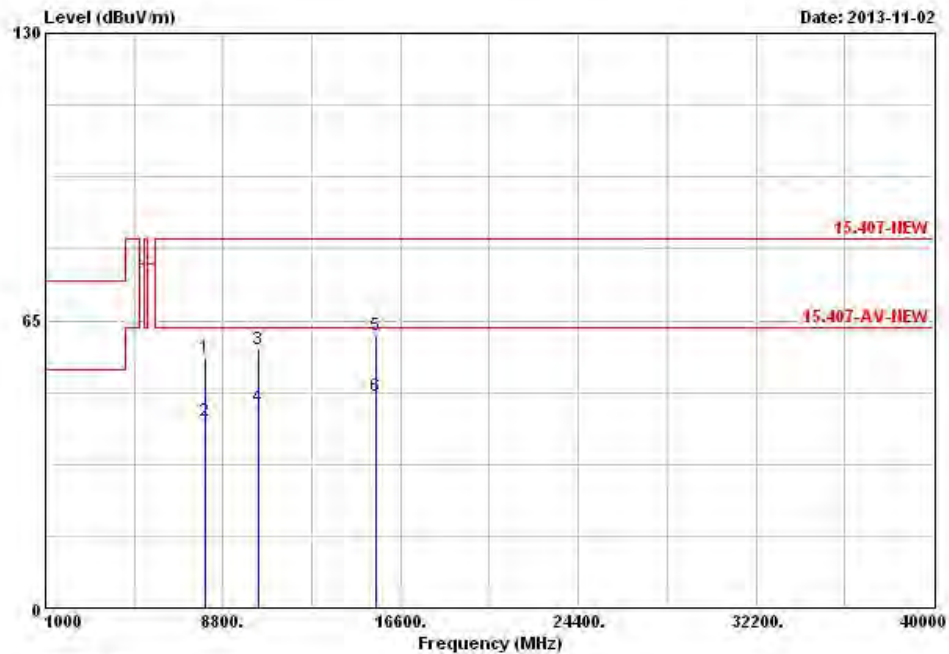


	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Rnt	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg
1	8958.000	58.05	-25.49	83.54	44.10	38.16	8.75	32.96	Peak	---
2	8958.000	42.80	-20.74	63.54	28.85	38.16	8.75	32.96	Average	---
3	10480.000	45.65	-17.89	63.54	29.78	39.60	8.94	32.67	Average	---
4	10480.000	59.01	-24.53	83.54	43.14	39.60	8.94	32.67	Peak	---
5	15720.000	61.97	-21.57	83.54	46.99	37.70	9.53	32.25	Peak	---
6	15720.000	47.28	-16.26	63.54	32.30	37.70	9.53	32.25	Average	---

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5180
N_{TX}	1	Polarization	V



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8028.000	56.84	-26.70	83.54	43.76	37.83	8.05	32.80	Peak	---
2	8028.000	42.13	-21.41	63.54	29.05	37.83	8.05	32.80	Average	---
3	10360.000	58.41	-25.13	83.54	42.80	39.60	8.78	32.77	Peak	---
4	10360.000	45.41	-18.13	63.54	29.80	39.60	8.78	32.77	Average	---
5	15540.000	61.74	-21.80	83.54	46.31	38.04	9.59	32.20	Peak	---
6	15540.000	47.81	-15.73	63.54	32.38	38.04	9.59	32.20	Average	---

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

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

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

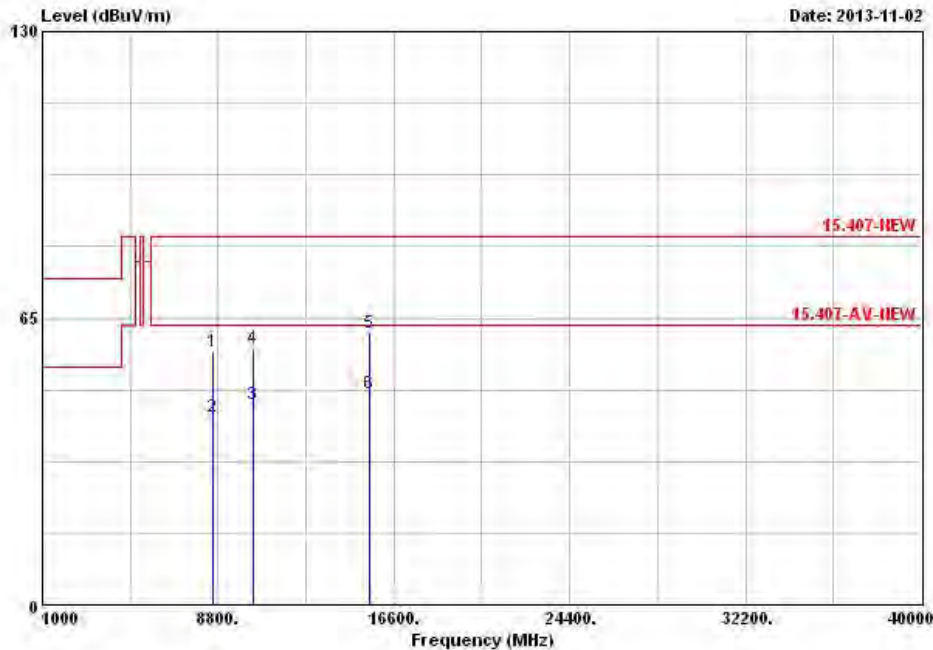
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5180
N_{TX}	1	Polarization	H



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8580.000	57.39	-26.15	83.54	43.68	38.60	7.95	32.84	Peak	---	---
2	8580.000	42.68	-20.86	63.54	28.97	38.60	7.95	32.84	Average	---	---
3	10360.000	45.38	-18.16	63.54	29.77	39.60	8.78	32.77	Average	---	---
4	10360.000	58.01	-25.53	83.54	42.40	39.60	8.78	32.77	Peak	---	---
5	15540.000	61.80	-21.74	83.54	46.37	38.04	9.59	32.20	Peak	---	---
6	15540.000	47.77	-15.77	63.54	32.34	38.04	9.59	32.20	Average	---	---

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

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

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

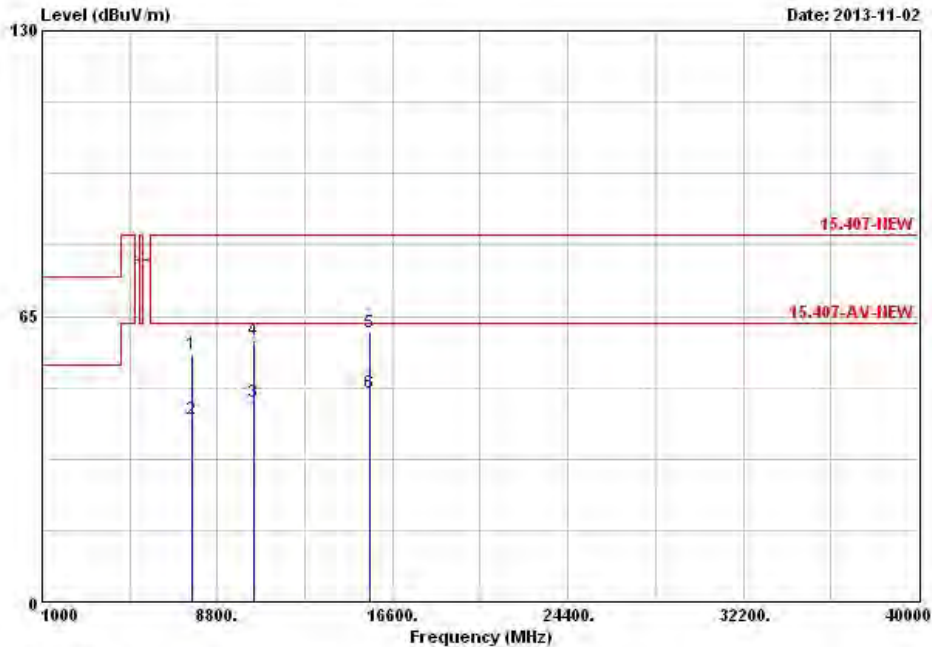
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5200
N _{TX}	1	Polarization	V



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	7674.000	56.45	-27.09	83.54	43.71	37.48	8.01	32.75	Peak	---	---
2	7674.000	41.66	-21.88	63.54	28.92	37.48	8.01	32.75	Average	---	---
3	10400.000	45.46	-18.08	63.54	29.76	39.60	8.83	32.73	Average	---	---
4	10400.000	59.41	-24.13	83.54	43.71	39.60	8.83	32.73	Peak	---	---
5	15600.000	61.29	-22.25	83.54	46.03	37.91	9.57	32.22	Peak	---	---
6	15600.000	47.52	-16.02	63.54	32.26	37.91	9.57	32.22	Average	---	---

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

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

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

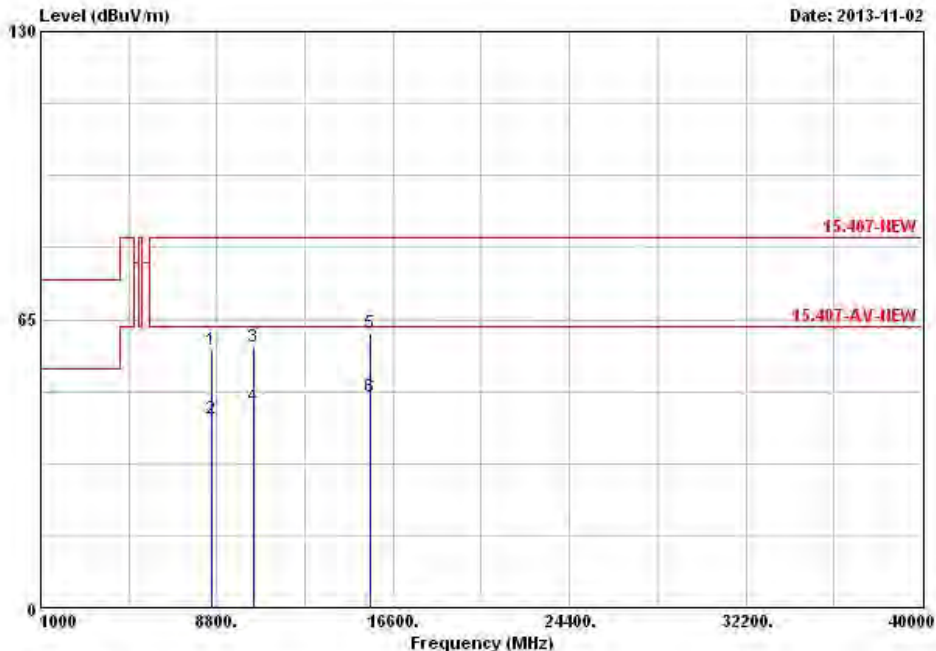
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5200
N_{TX}	1	Polarization	H



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8574.000	58.26	-25.28	83.54	44.55	38.60	7.95	32.84	Peak	---
2	8574.000	42.63	-20.91	63.54	28.92	38.60	7.95	32.84	Average	---
3	10400.000	58.68	-24.86	83.54	42.98	39.60	8.83	32.73	Peak	---
4	10400.000	45.52	-18.02	63.54	29.82	39.60	8.83	32.73	Average	---
5	15600.000	62.04	-21.50	83.54	46.78	37.91	9.57	32.22	Peak	---
6	15600.000	47.54	-16.00	63.54	32.28	37.91	9.57	32.22	Average	---

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

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

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

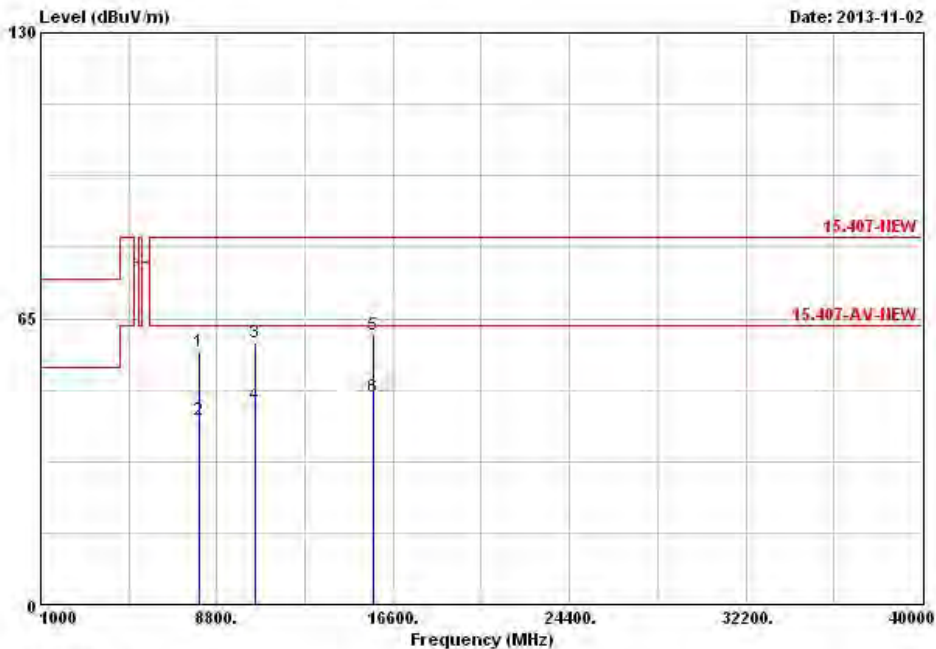
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5240
N _{TX}	1	Polarization	V



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp			Rnt	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8034.000	57.34	-26.20	83.54	44.23	37.86	8.05	32.80	Peak	---	---
2	8034.000	42.00	-21.54	63.54	28.89	37.86	8.05	32.80	Average	---	---
3	10480.000	59.70	-23.84	83.54	43.83	39.60	8.94	32.67	Peak	---	---
4	10480.000	45.54	-18.00	63.54	29.67	39.60	8.94	32.67	Average	---	---
5	15720.000	61.16	-22.38	83.54	46.18	37.70	9.53	32.25	Peak	---	---
6	15720.000	47.27	-16.27	63.54	32.29	37.70	9.53	32.25	Average	---	---

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

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

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

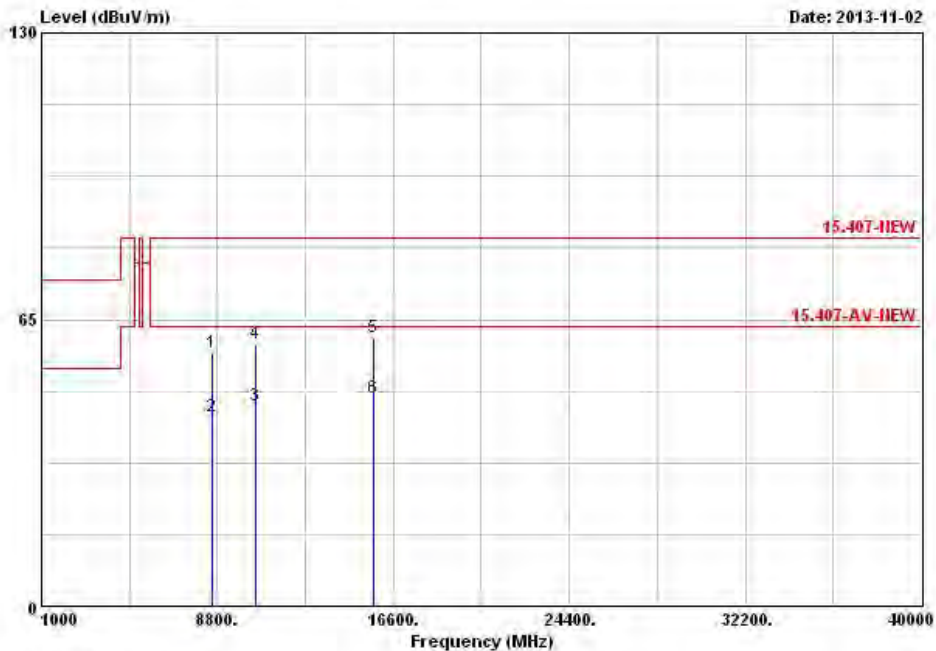
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5240
N _{TX}	1	Polarization	H



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Rnt	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8562.000	57.46	-26.08	83.54	43.73	38.62	7.95	32.84	Peak	---
2	8562.000	42.86	-20.68	63.54	29.13	38.62	7.95	32.84	Average	---
3	10480.000	45.60	-17.94	63.54	29.73	39.60	8.94	32.67	Average	---
4	10480.000	59.45	-24.09	83.54	43.58	39.60	8.94	32.67	Peak	---
5	15720.000	60.80	-22.74	83.54	45.82	37.70	9.53	32.25	Peak	---
6	15720.000	47.22	-16.32	63.54	32.24	37.70	9.53	32.25	Average	---

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

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

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

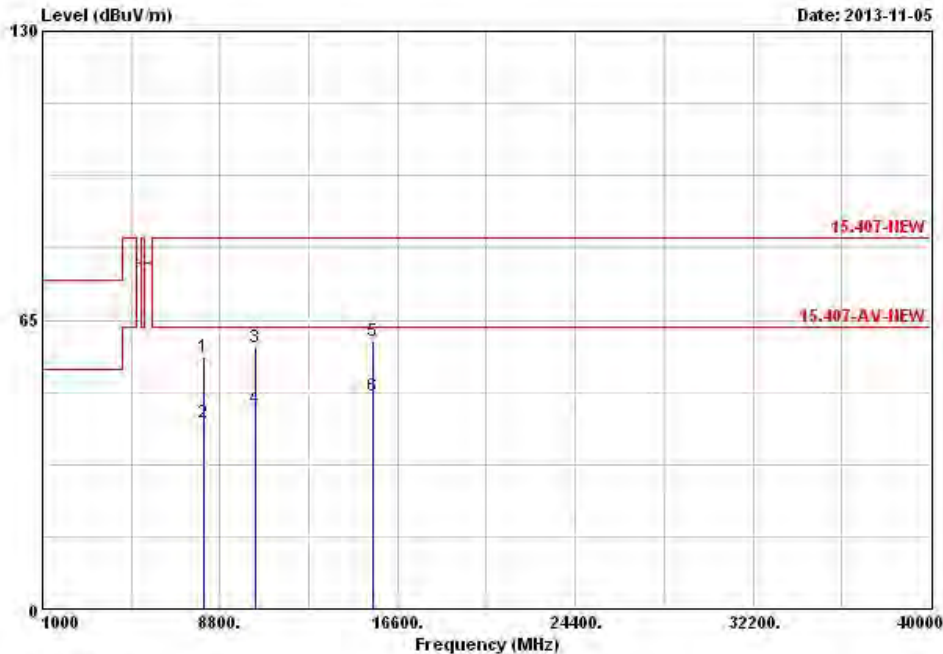
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5180
N_{TX}	2	Polarization	V



	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8106.000	56.57	-26.97	83.54	43.38	37.99	8.00	32.80	Peak	---	---
2	8106.000	41.98	-21.56	63.54	28.79	37.99	8.00	32.80	Average	---	---
3	10360.000	58.71	-24.83	83.54	43.10	39.60	8.78	32.77	Peak	---	---
4	10360.000	45.15	-18.39	63.54	29.54	39.60	8.78	32.77	Average	---	---
5	15540.000	60.41	-23.13	83.54	44.98	38.04	9.59	32.20	Peak	---	---
6	15540.000	47.96	-15.58	63.54	32.53	38.04	9.59	32.20	Average	---	---

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

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

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

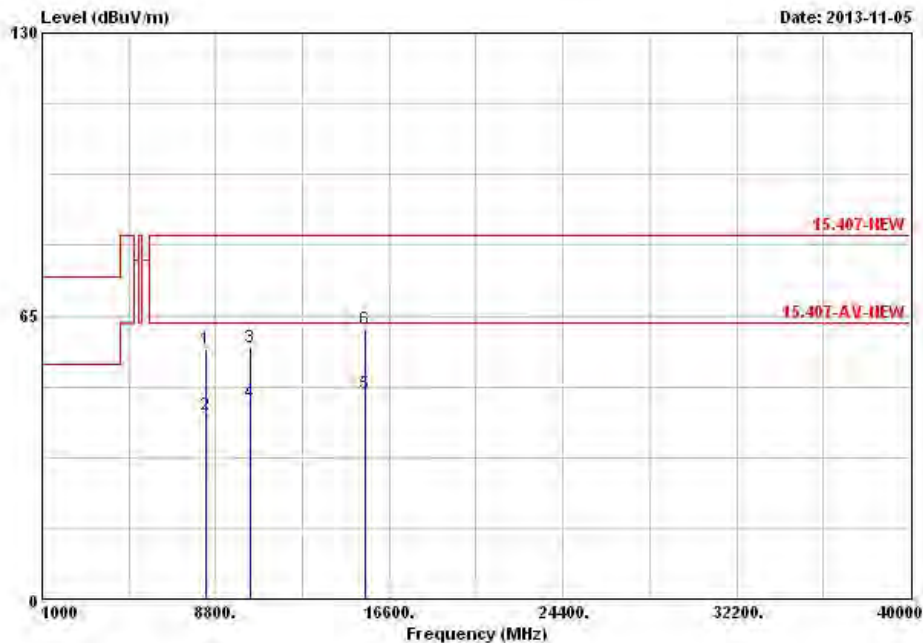
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5180
N_{TX}	2	Polarization	H



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8328.000	57.48	-26.06	83.54	44.03	38.39	7.87	32.81	Peak	---	---
2	8328.000	42.11	-21.43	63.54	28.66	38.39	7.87	32.81	Average	---	---
3	10360.000	57.68	-25.86	83.54	42.07	39.60	8.78	32.77	Peak	---	---
4	10360.000	45.02	-18.52	63.54	29.41	39.60	8.78	32.77	Average	---	---
5	15540.000	47.28	-16.26	63.54	31.85	38.04	9.59	32.20	Average	---	---
6	15540.000	62.02	-21.52	83.54	46.59	38.04	9.59	32.20	Peak	---	---

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

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

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

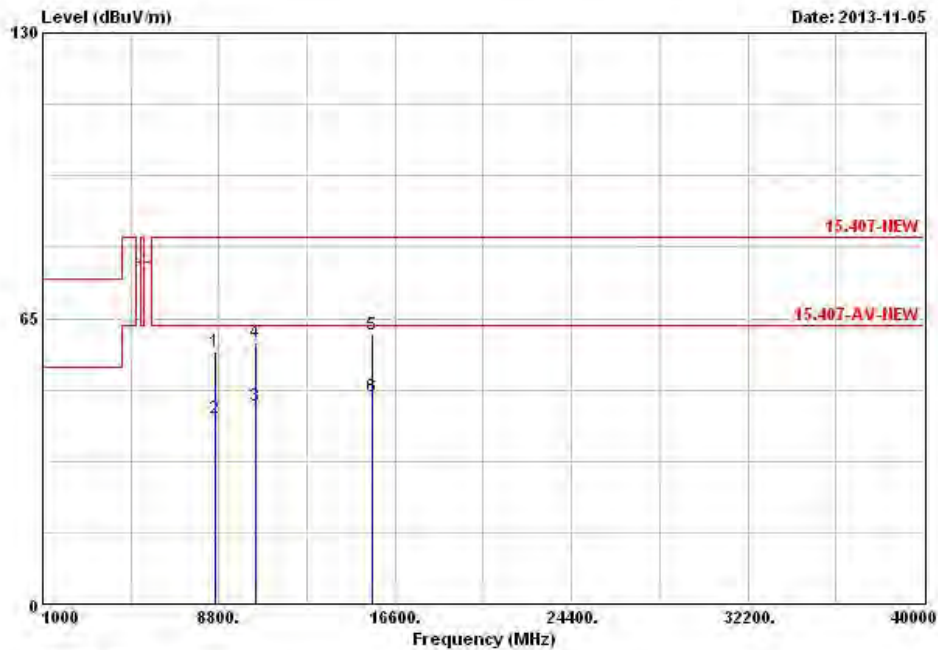
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5200
N_{TX}	2	Polarization	V



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8658.000	57.25	-26.29	83.54	43.48	38.52	8.11	32.86	Peak	---
2	8658.000	42.42	-21.12	63.54	28.65	38.52	8.11	32.86	Average	---
3	10400.000	45.14	-18.40	63.54	29.44	39.60	8.83	32.73	Average	---
4	10400.000	59.67	-23.87	83.54	43.97	39.60	8.83	32.73	Peak	---
5	15600.000	61.17	-22.37	83.54	45.91	37.91	9.57	32.22	Peak	---
6	15600.000	47.08	-16.46	63.54	31.82	37.91	9.57	32.22	Average	---

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

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

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

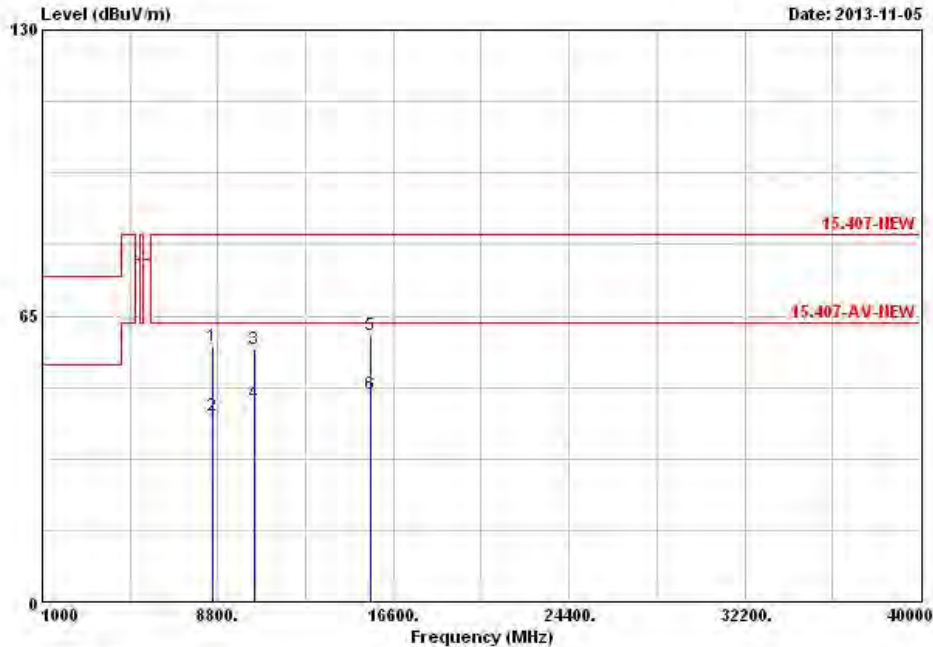
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5200
N_{TX}	2	Polarization	H



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8574.000	58.06	-25.48	83.54	44.35	38.60	7.95	32.84	Peak	---
2	8574.000	42.41	-21.13	63.54	28.70	38.60	7.95	32.84	Average	---
3	10400.000	57.55	-25.99	83.54	41.85	39.60	8.83	32.73	Peak	---
4	10400.000	45.11	-18.43	63.54	29.41	39.60	8.83	32.73	Average	---
5	15600.000	60.65	-22.89	83.54	45.39	37.91	9.57	32.22	Peak	---
6	15600.000	47.08	-16.46	63.54	31.82	37.91	9.57	32.22	Average	---

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

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

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

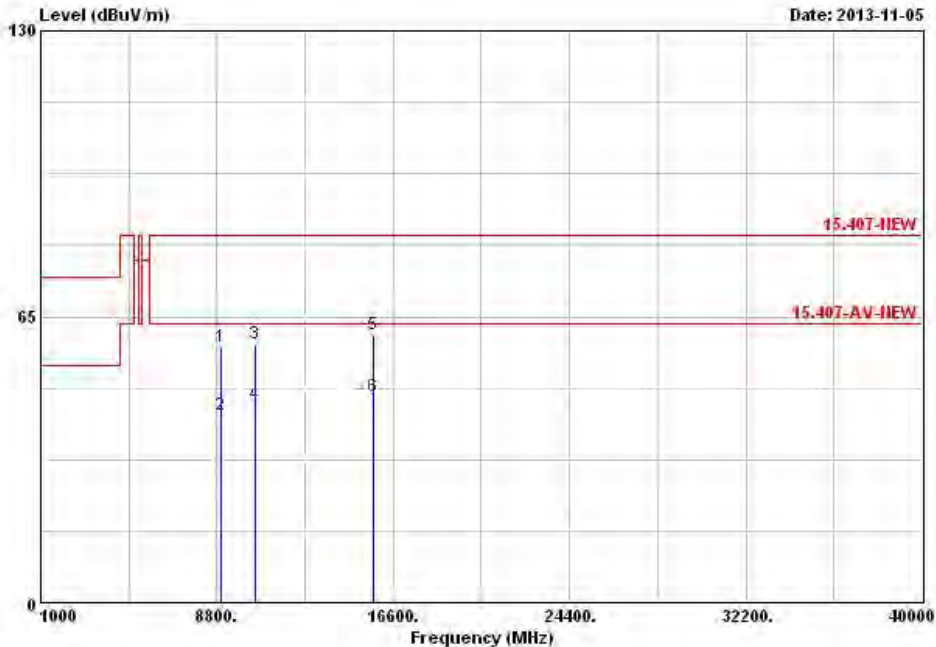
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5240
N _{TX}	2	Polarization	V



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp				
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Ant	Table
			dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8952.000	58.03	-25.51	83.54	44.08	38.16	8.75	32.96	Peak	---	---
2	8952.000	42.60	-20.94	63.54	28.65	38.16	8.75	32.96	Average	---	---
3	10480.000	58.95	-24.59	83.54	43.08	39.60	8.94	32.67	Peak	---	---
4	10480.000	45.23	-18.31	63.54	29.36	39.60	8.94	32.67	Average	---	---
5	15720.000	60.83	-22.71	83.54	45.85	37.70	9.53	32.25	Peak	---	---
6	15720.000	46.80	-16.74	63.54	31.82	37.70	9.53	32.25	Average	---	---

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

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

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

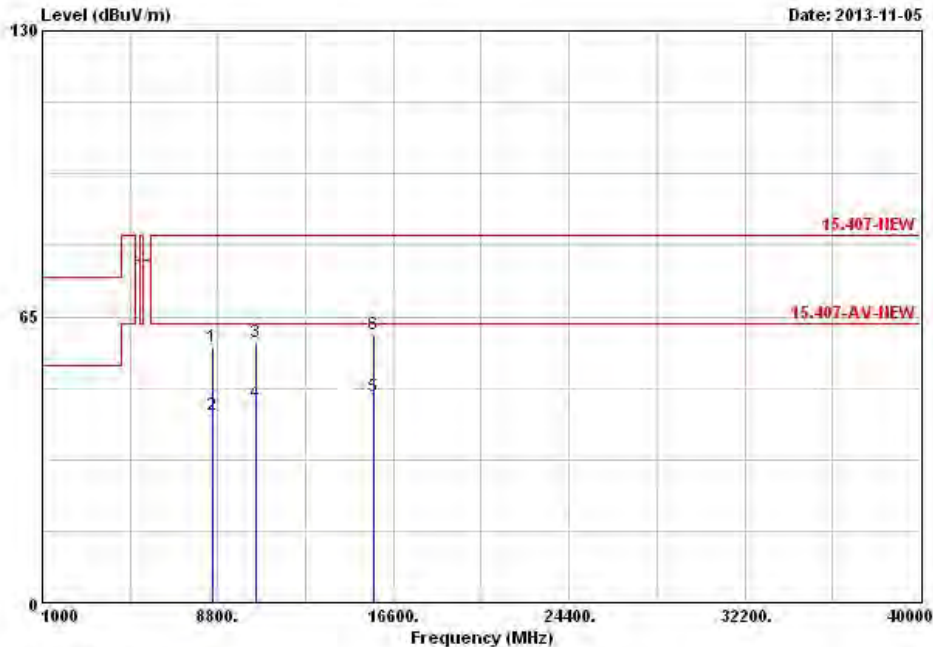
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5240
N_{TX}	2	Polarization	H



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp			Rnt	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8586.000	58.17	-25.37	83.54	44.38	38.60	8.03	32.84	Peak	---	---
2	8586.000	42.75	-20.79	63.54	28.96	38.60	8.03	32.84	Average	---	---
3	10480.000	59.08	-24.46	83.54	43.21	39.60	8.94	32.67	Peak	---	---
4	10480.000	45.37	-18.17	63.54	29.50	39.60	8.94	32.67	Average	---	---
5	15720.000	46.75	-16.79	63.54	31.77	37.70	9.53	32.25	Average	---	---
6	15720.000	60.78	-22.76	83.54	45.80	37.70	9.53	32.25	Peak	---	---

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

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

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

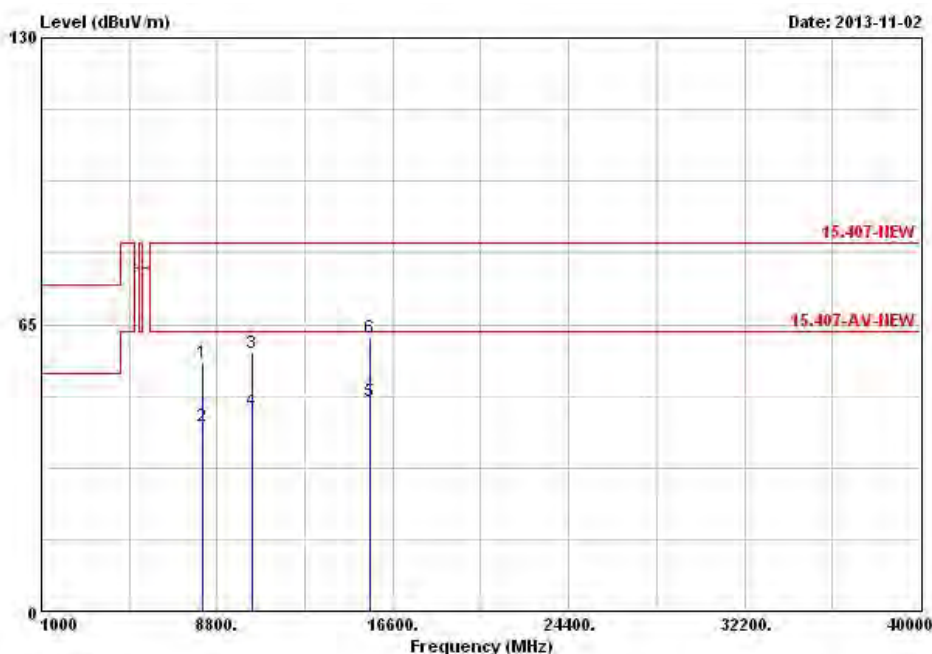
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT40	Test Freq. (MHz)	5190
N_{TX}	1	Polarization	V



	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8124.000	56.38	-27.16	83.54	43.18	38.02	7.98	32.80	Peak	---	---
2	8124.000	42.00	-21.54	63.54	28.80	38.02	7.98	32.80	Average	---	---
3	10380.000	58.62	-24.92	83.54	42.94	39.60	8.83	32.75	Peak	---	---
4	10380.000	45.41	-18.13	63.54	29.73	39.60	8.83	32.75	Average	---	---
5	15570.000	47.59	-15.95	63.54	32.24	37.98	9.57	32.20	Average	---	---
6	15570.000	61.86	-21.68	83.54	46.51	37.98	9.57	32.20	Peak	---	---

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

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

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

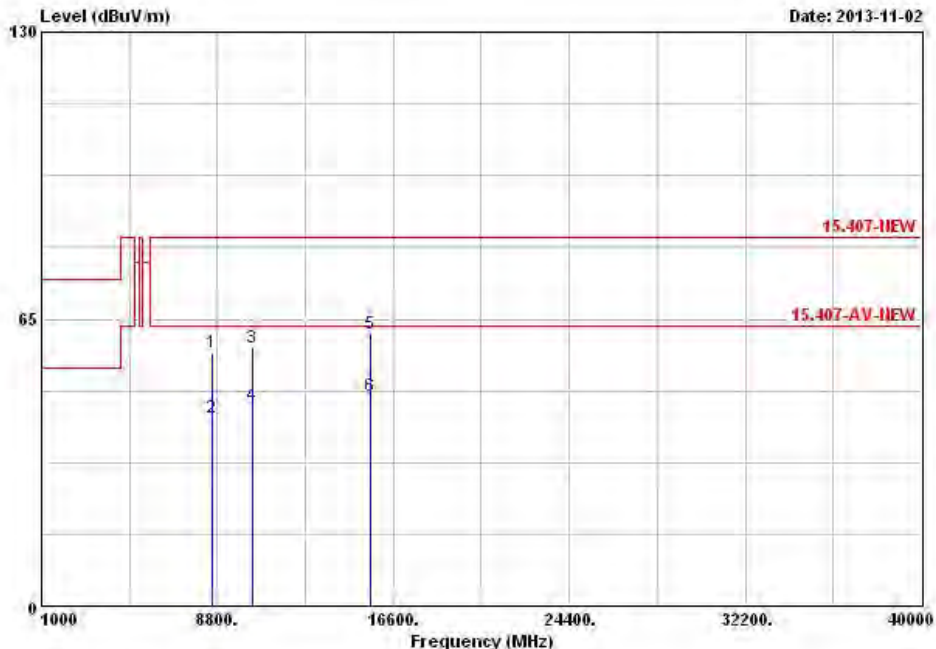
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT40	Test Freq. (MHz)	5190
N_{TX}	1	Polarization	H



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8568.000	57.54	-26.00	83.54	43.81	38.62	7.95	32.84	Peak	---
2	8568.000	42.66	-20.88	63.54	28.93	38.62	7.95	32.84	Average	---
3	10380.000	58.64	-24.90	83.54	42.96	39.60	8.83	32.75	Peak	---
4	10380.000	45.39	-18.15	63.54	29.71	39.60	8.83	32.75	Average	---
5	15570.000	61.51	-22.03	83.54	46.16	37.98	9.57	32.20	Peak	---
6	15570.000	47.67	-15.87	63.54	32.32	37.98	9.57	32.20	Average	---

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

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

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

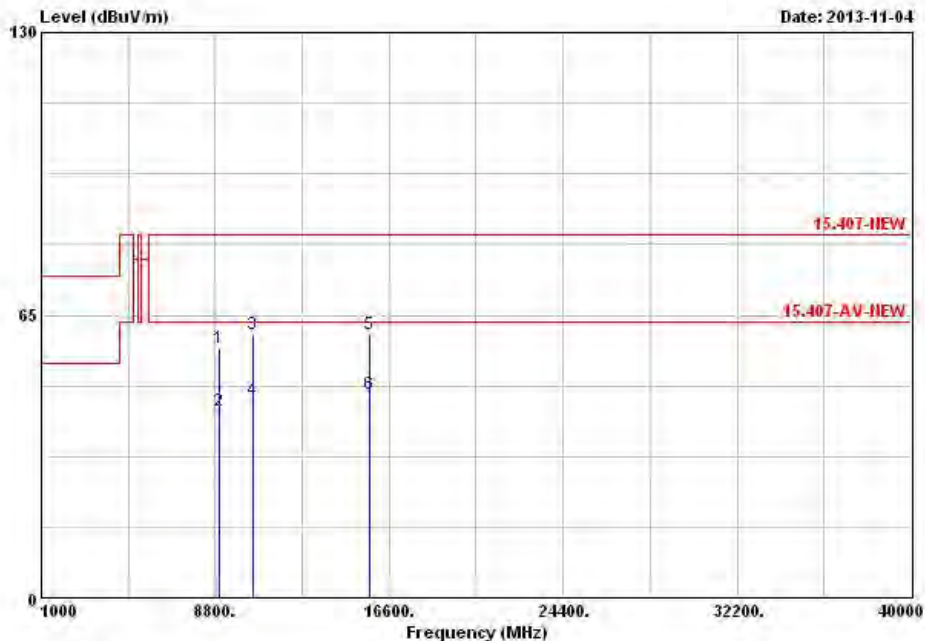
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT40	Test Freq. (MHz)	5230
N_{TX}	1	Polarization	V



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8976.000	57.31	-26.23	83.54	43.31	38.14	8.83	32.97	Peak	---	---
2	8976.000	42.92	-20.62	63.54	28.92	38.14	8.83	32.97	Average	---	---
3	10460.000	60.65	-22.89	83.54	44.80	39.60	8.94	32.69	Peak	---	---
4	10460.000	45.46	-18.08	63.54	29.61	39.60	8.94	32.69	Average	---	---
5	15690.000	60.66	-22.88	83.54	45.61	37.76	9.53	32.24	Peak	---	---
6	15690.000	46.91	-16.63	63.54	31.86	37.76	9.53	32.24	Average	---	---

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

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

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

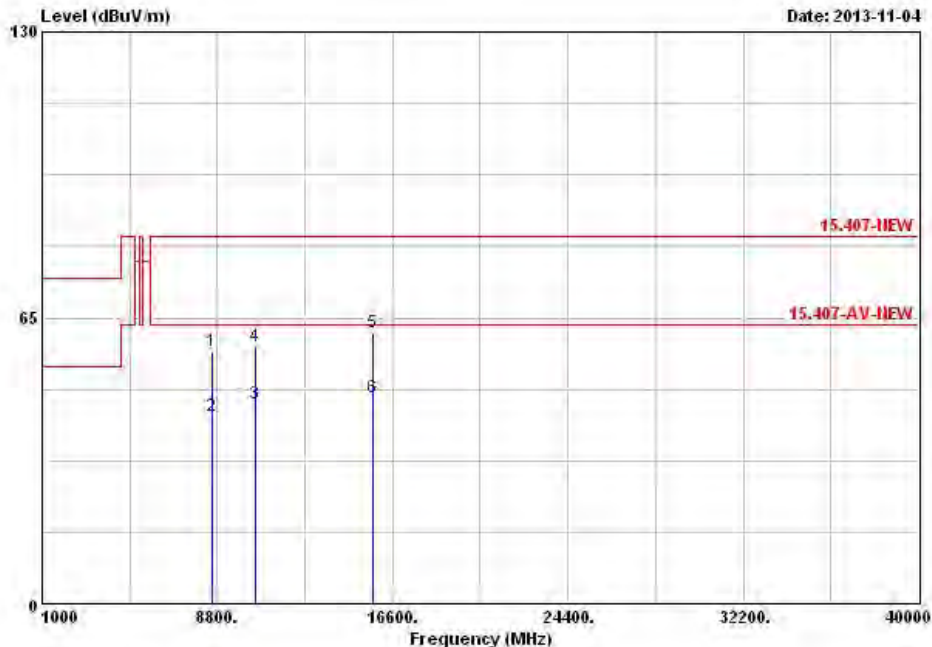
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT40	Test Freq. (MHz)	5230
N_{TX}	1	Polarization	H



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8580.000	57.57	-25.97	83.54	43.86	38.60	7.95	32.84	Peak	---
2	8580.000	42.53	-21.01	63.54	28.82	38.60	7.95	32.84	Average	---
3	10460.000	45.46	-18.08	63.54	29.61	39.60	8.94	32.69	Average	---
4	10460.000	58.37	-25.17	83.54	42.52	39.60	8.94	32.69	Peak	---
5	15690.000	61.58	-21.96	83.54	46.53	37.76	9.53	32.24	Peak	---
6	15690.000	46.92	-16.62	63.54	31.87	37.76	9.53	32.24	Average	---

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

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

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

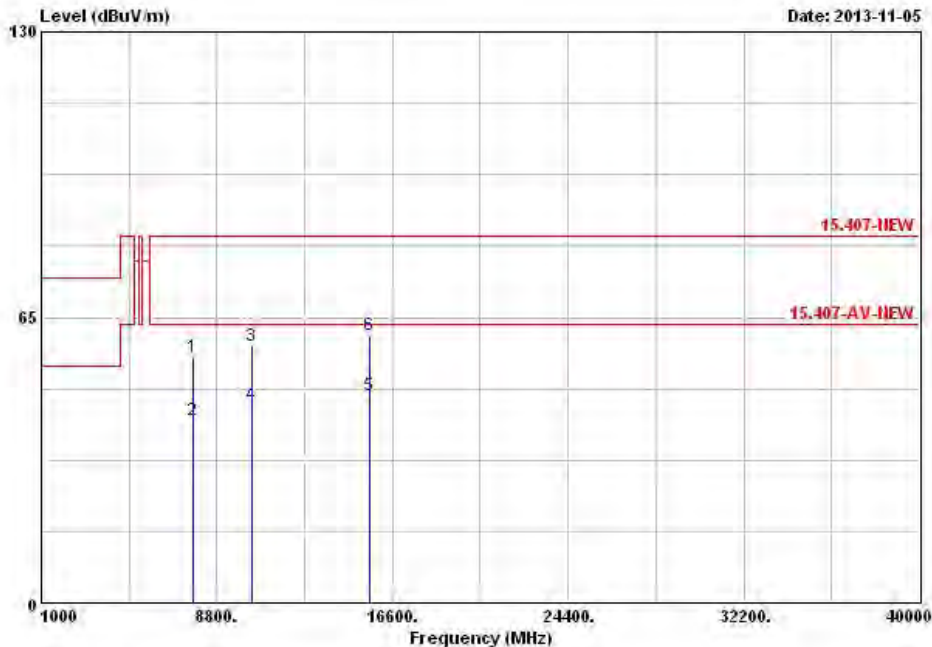
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT40	Test Freq. (MHz)	5190
N_{TX}	2	Polarization	V



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	7746.000	55.99	-27.55	83.54	43.18	37.55	8.02	32.76	Peak	---
2	7746.000	41.51	-22.03	63.54	28.70	37.55	8.02	32.76	Average	---
3	10380.000	58.41	-25.13	83.54	42.73	39.60	8.83	32.75	Peak	---
4	10380.000	45.15	-18.39	63.54	29.47	39.60	8.83	32.75	Average	---
5	15570.000	47.19	-16.35	63.54	31.84	37.98	9.57	32.20	Average	---
6	15570.000	61.07	-22.47	83.54	45.72	37.98	9.57	32.20	Peak	---

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

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

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

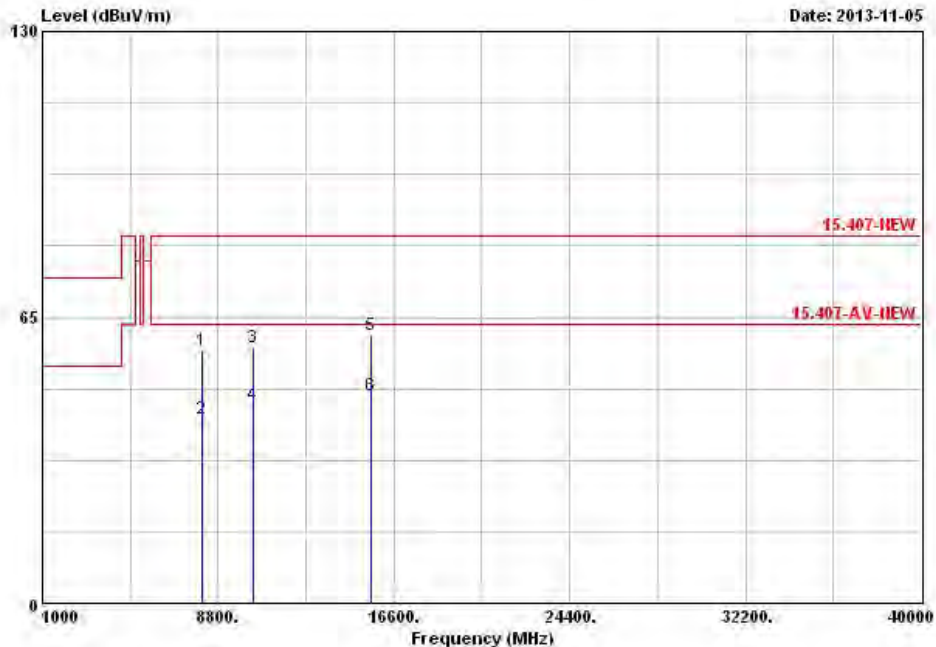
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT40	Test Freq. (MHz)	5190
N_{TX}	2	Polarization	H



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp			Rnt	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8052.000	57.34	-26.20	83.54	44.23	37.89	8.02	32.80	Peak	---	---
2	8052.000	41.81	-21.73	63.54	28.70	37.89	8.02	32.80	Average	---	---
3	10380.000	57.96	-25.58	83.54	42.28	39.60	8.83	32.75	Peak	---	---
4	10380.000	45.21	-18.33	63.54	29.53	39.60	8.83	32.75	Average	---	---
5	15570.000	61.01	-22.53	83.54	45.66	37.98	9.57	32.20	Peak	---	---
6	15570.000	47.26	-16.28	63.54	31.91	37.98	9.57	32.20	Average	---	---

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

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

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

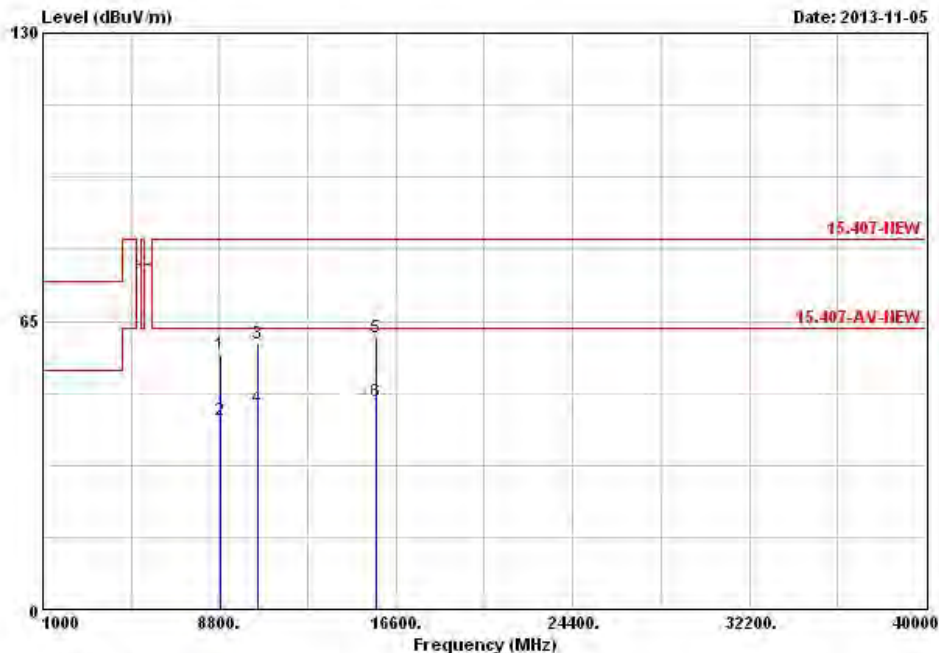
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT40	Test Freq. (MHz)	5230
N_{TX}	2	Polarization	V



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8874.000	57.49	-26.05	83.54	43.58	38.26	8.59	32.94	Peak	---
2	8874.000	42.71	-20.83	63.54	28.80	38.26	8.59	32.94	Average	---
3	10460.000	60.04	-23.50	83.54	44.19	39.60	8.94	32.69	Peak	---
4	10460.000	45.35	-18.19	63.54	29.50	39.60	8.94	32.69	Average	---
5	15690.000	61.46	-22.08	83.54	46.41	37.76	9.53	32.24	Peak	---
6	15690.000	46.92	-16.62	63.54	31.87	37.76	9.53	32.24	Average	---

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

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

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

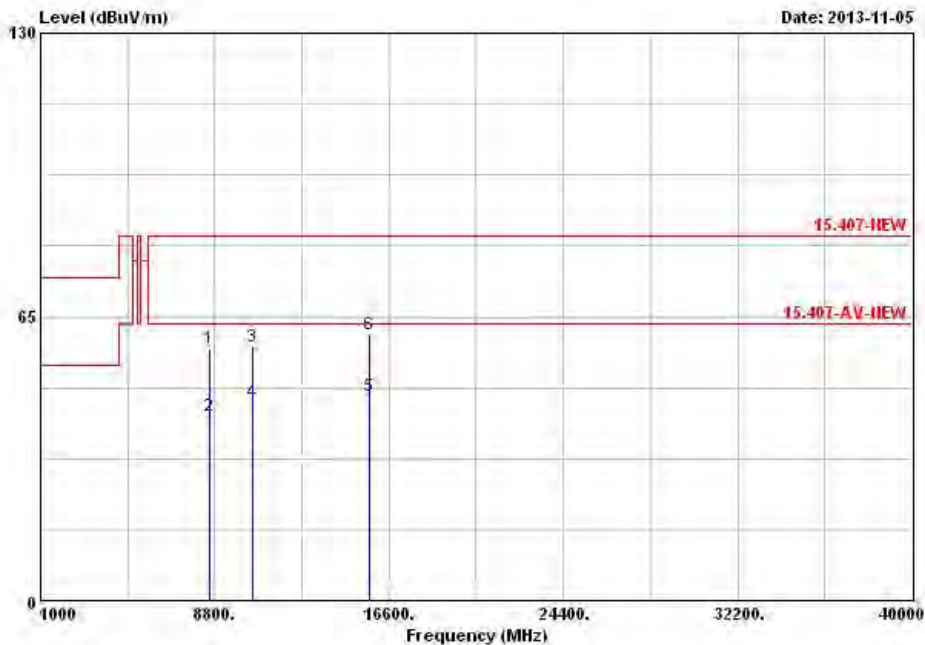
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT40	Test Freq. (MHz)	5230
N_{TX}	2	Polarization	H



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp			Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8580.000	57.78	-25.76	83.54	44.07	38.60	7.95	32.84	Peak	---	---
2	8580.000	42.45	-21.09	63.54	28.74	38.60	7.95	32.84	Average	---	---
3	10460.000	58.22	-25.32	83.54	42.37	39.60	8.94	32.69	Peak	---	---
4	10460.000	45.40	-18.14	63.54	29.55	39.60	8.94	32.69	Average	---	---
5	15690.000	46.91	-16.63	63.54	31.86	37.76	9.53	32.24	Average	---	---
6	15690.000	61.11	-22.43	83.54	46.06	37.76	9.53	32.24	Peak	---	---

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

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

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

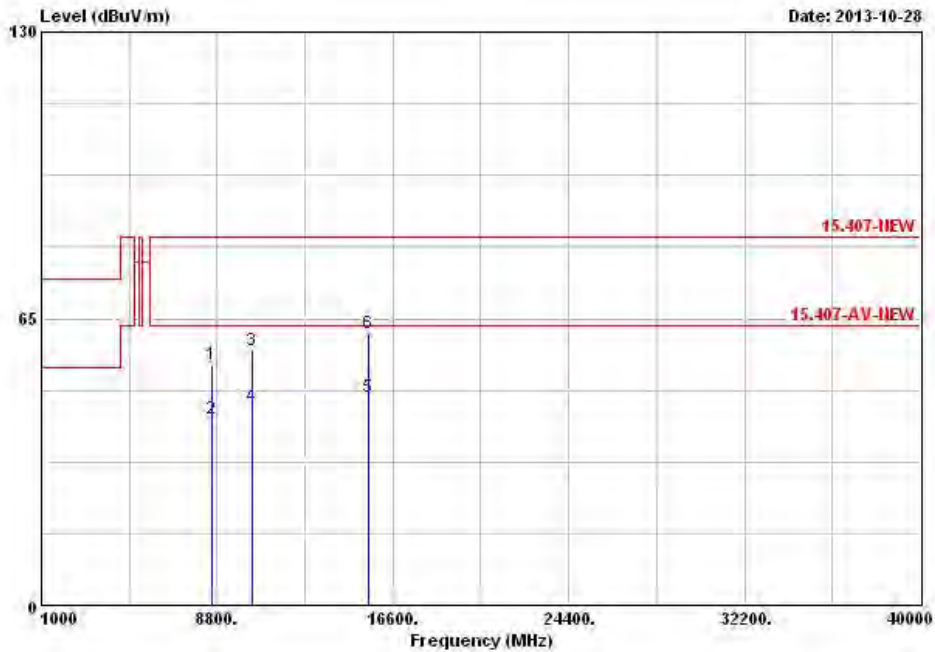
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT20	Test Freq. (MHz)	5180
N_{TX}	1	Polarization	V



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8574.000	54.56	-28.98	83.54	40.85	38.60	7.95	32.84	Peak	---	---
2	8574.000	42.23	-21.31	63.54	28.52	38.60	7.95	32.84	Average	---	---
3	10360.000	57.78	-25.76	83.54	42.17	39.60	8.78	32.77	Peak	---	---
4	@10360.000	44.98	-18.56	63.54	29.37	39.60	8.78	32.77	Average	---	---
5	@15540.000	47.35	-16.19	63.54	31.92	38.04	9.59	32.20	Average	---	---
6	15540.000	61.70	-21.84	83.54	46.27	38.04	9.59	32.20	Peak	---	---

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

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

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

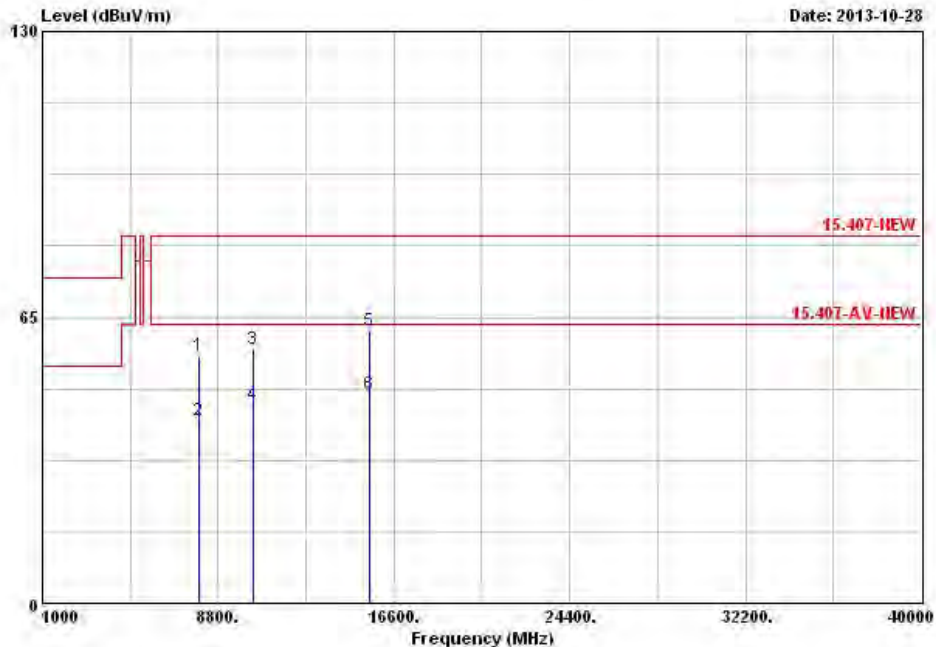
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT20	Test Freq. (MHz)	5180
N_{TX}	1	Polarization	H



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Rnt	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	7920.000	56.39	-27.15	83.54	43.40	37.72	8.05	32.78	Peak	---
2	7920.000	41.56	-21.98	63.54	28.57	37.72	8.05	32.78	Average	---
3	10360.000	57.85	-25.69	83.54	42.24	39.60	8.78	32.77	Peak	---
4	@10360.000	44.98	-18.56	63.54	29.37	39.60	8.78	32.77	Average	---
5	15540.000	61.91	-21.63	83.54	46.48	38.04	9.59	32.20	Peak	---
6	@15540.000	47.40	-16.14	63.54	31.97	38.04	9.59	32.20	Average	---

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

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

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

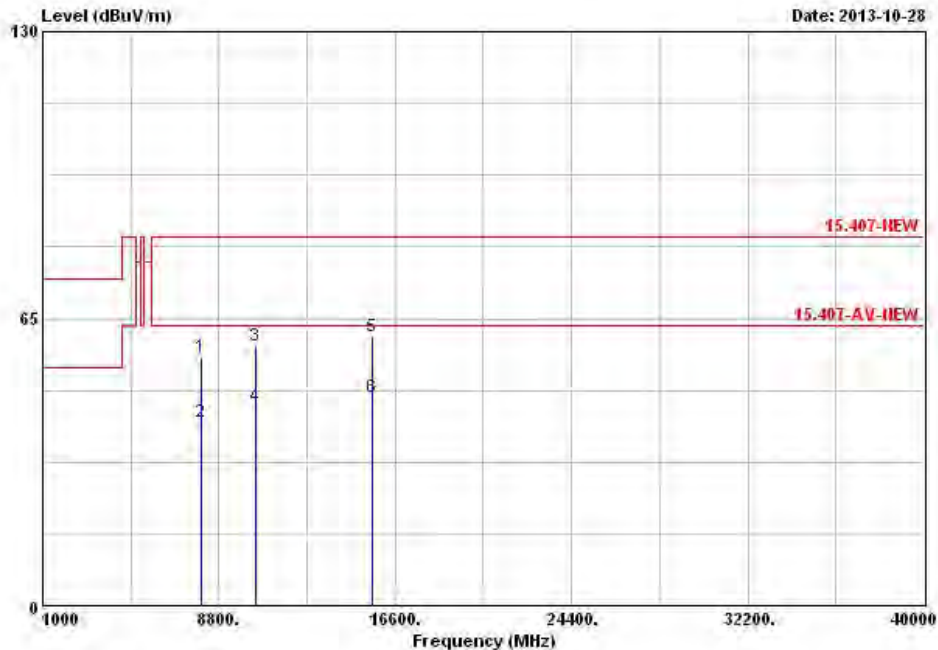
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT20	Test Freq. (MHz)	5200
N_{TX}	1	Polarization	V



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Rnt	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8022.000	56.20	-27.34	83.54	43.12	37.83	8.05	32.80	Peak	---
2	8022.000	41.63	-21.91	63.54	28.55	37.83	8.05	32.80	Average	---
3	10400.000	58.83	-24.71	83.54	43.13	39.60	8.83	32.73	Peak	---
4	10400.000	44.98	-18.56	63.54	29.28	39.60	8.83	32.73	Average	---
5	15600.000	61.07	-22.47	83.54	45.81	37.91	9.57	32.22	Peak	---
6	15600.000	47.15	-16.39	63.54	31.89	37.91	9.57	32.22	Average	---

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

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

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

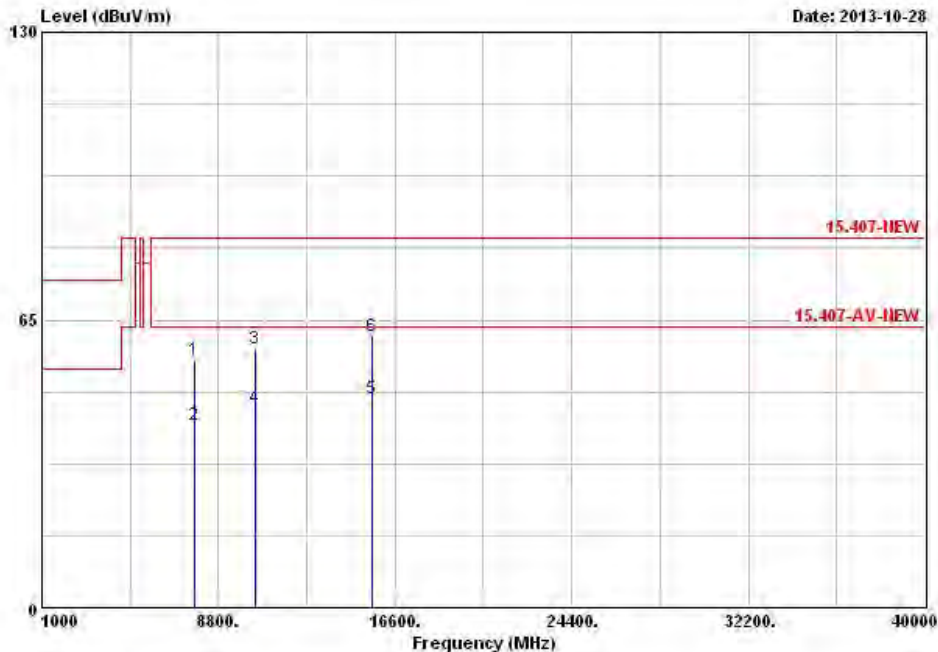
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT20	Test Freq. (MHz)	5200
N_{TX}	1	Polarization	H



	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
			dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	7764.000	56.13	-27.41	83.54	43.30	37.57	8.02	32.76	Peak	---	---
2	7764.000	41.31	-22.23	63.54	28.48	37.57	8.02	32.76	Average	---	---
3	10400.000	58.50	-25.04	83.54	42.80	39.60	8.83	32.73	Peak	---	---
4	@10400.000	44.97	-18.57	63.54	29.27	39.60	8.83	32.73	Average	---	---
5	@15600.000	47.19	-16.35	63.54	31.93	37.91	9.57	32.22	Average	---	---
6	15600.000	61.36	-22.18	83.54	46.10	37.91	9.57	32.22	Peak	---	---

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

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

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

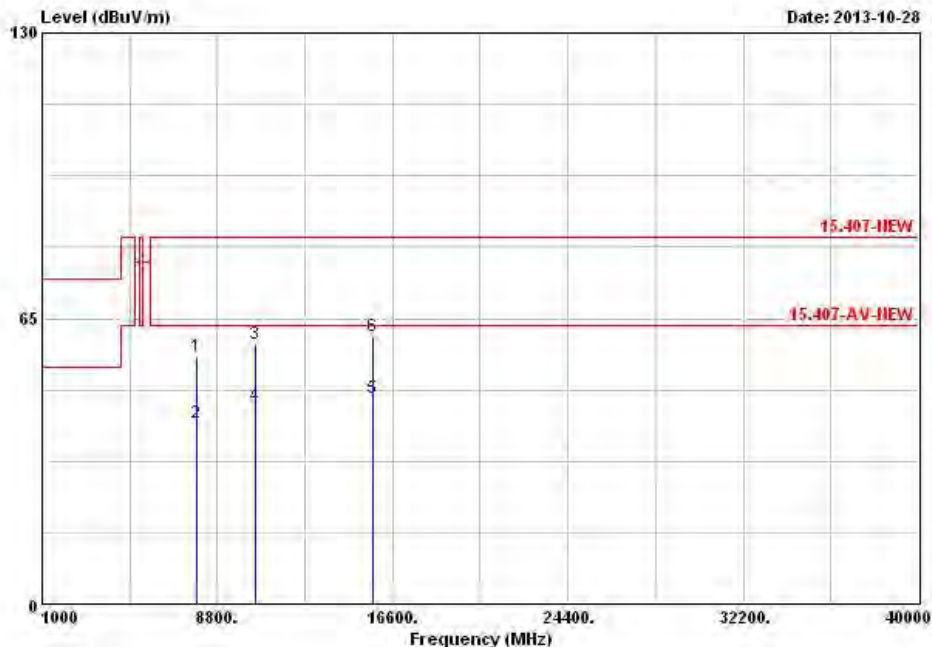
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT20	Test Freq. (MHz)	5240
N_{TX}	1	Polarization	V



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp			Rnt	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	7860.000	56.22	-27.32	83.54	43.28	37.67	8.05	32.78	Peak	---	---
2	7860.000	41.37	-22.17	63.54	28.43	37.67	8.05	32.78	Average	---	---
3	10480.000	59.16	-24.38	83.54	43.29	39.60	8.94	32.67	Peak	---	---
4	@10480.000	45.10	-18.44	63.54	29.23	39.60	8.94	32.67	Average	---	---
5	@15720.000	46.83	-16.71	63.54	31.85	37.70	9.53	32.25	Average	---	---
6	15720.000	61.11	-22.43	83.54	46.13	37.70	9.53	32.25	Peak	---	---

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

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

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

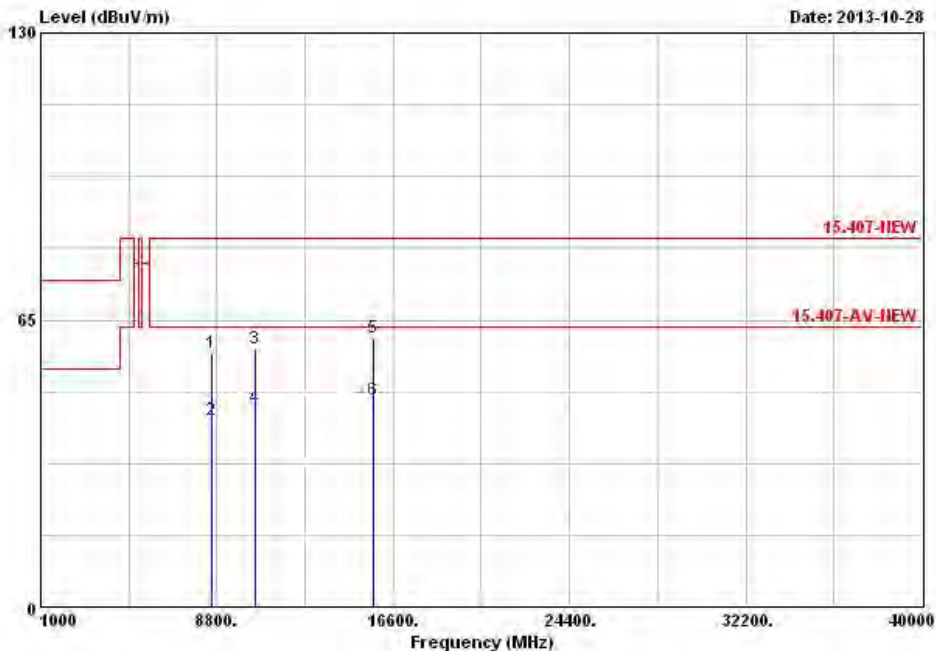
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT20	Test Freq. (MHz)	5240
N_{TX}	1	Polarization	H



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Rnt	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8568.000	57.50	-26.04	83.54	43.77	38.62	7.95	32.84	Peak	---
2	8568.000	42.22	-21.32	63.54	28.49	38.62	7.95	32.84	Average	---
3	10480.000	58.40	-25.14	83.54	42.53	39.60	8.94	32.67	Peak	---
4	@10480.000	45.12	-18.42	63.54	29.25	39.60	8.94	32.67	Average	---
5	15720.000	61.00	-22.54	83.54	46.02	37.70	9.53	32.25	Peak	---
6	@15720.000	46.82	-16.72	63.54	31.84	37.70	9.53	32.25	Average	---

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

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

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

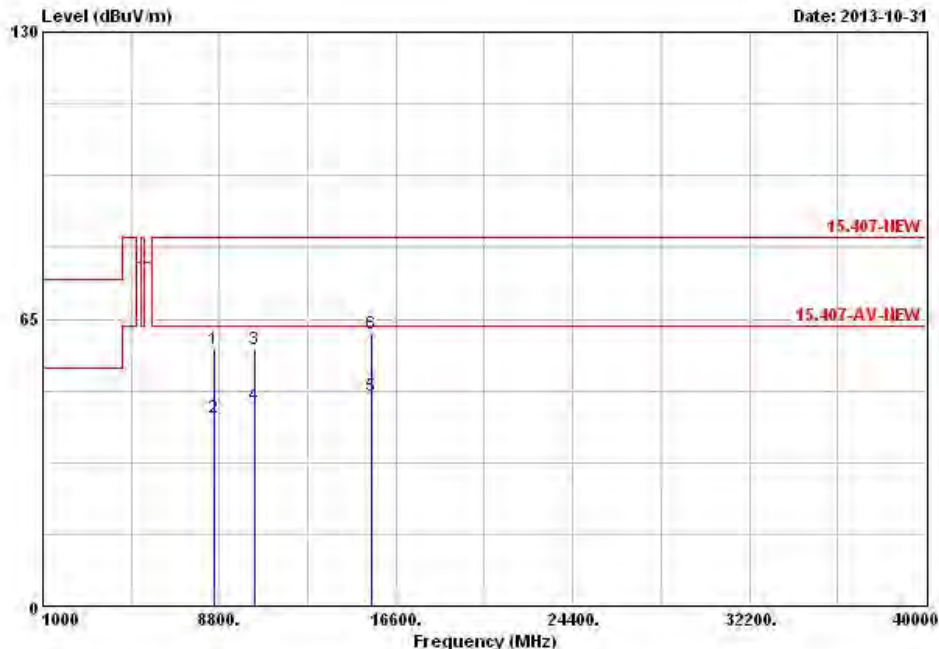
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT20	Test Freq. (MHz)	5180
N_{TX}	2	Polarization	V



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8574.000	58.23	-25.31	83.54	44.52	38.60	7.95	32.84	Peak	---
2	8574.000	42.78	-20.76	63.54	29.07	38.60	7.95	32.84	Average	---
3	10360.000	58.29	-25.25	83.54	42.68	39.60	8.78	32.77	Peak	---
4	@10360.000	45.43	-18.11	63.54	29.82	39.60	8.78	32.77	Average	---
5	@15540.000	47.50	-16.04	63.54	32.07	38.04	9.59	32.20	Average	---
6	15540.000	61.48	-22.06	83.54	46.05	38.04	9.59	32.20	Peak	---

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

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

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

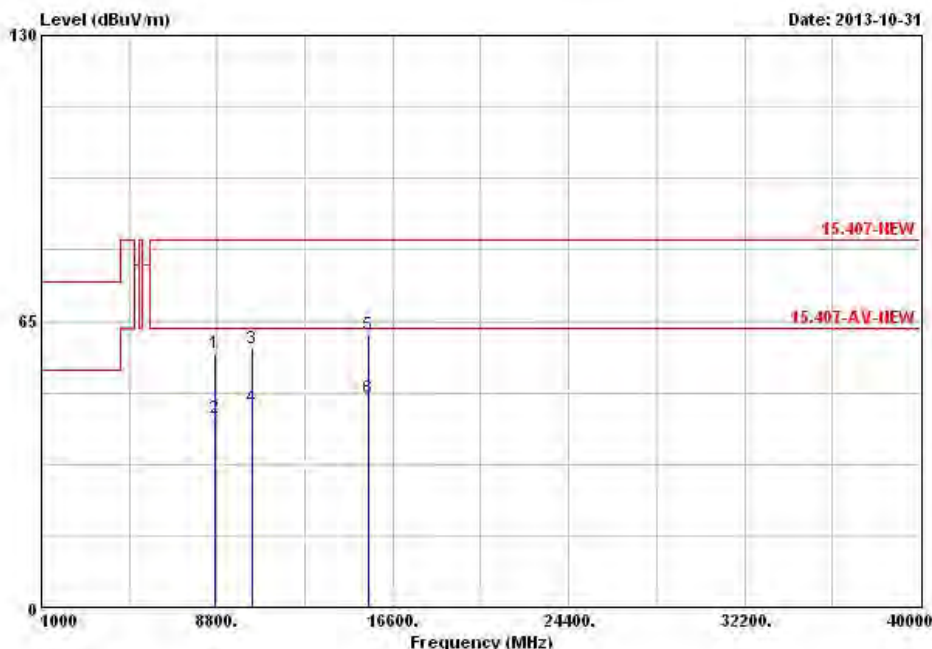
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT20	Test Freq. (MHz)	5180
N_{TX}	2	Polarization	H



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp			Rnt	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8718.000	57.70	-25.84	83.54	43.88	38.44	8.27	32.89	Peak	---	---
2	8718.000	42.87	-20.67	63.54	29.05	38.44	8.27	32.89	Average	---	---
3	10360.000	58.96	-24.58	83.54	43.35	39.60	8.78	32.77	Peak	---	---
4	@10360.000	45.42	-18.12	63.54	29.81	39.60	8.78	32.77	Average	---	---
5	15540.000	62.02	-21.52	83.54	46.59	38.04	9.59	32.20	Peak	---	---
6	@15540.000	47.61	-15.93	63.54	32.18	38.04	9.59	32.20	Average	---	---

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

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

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

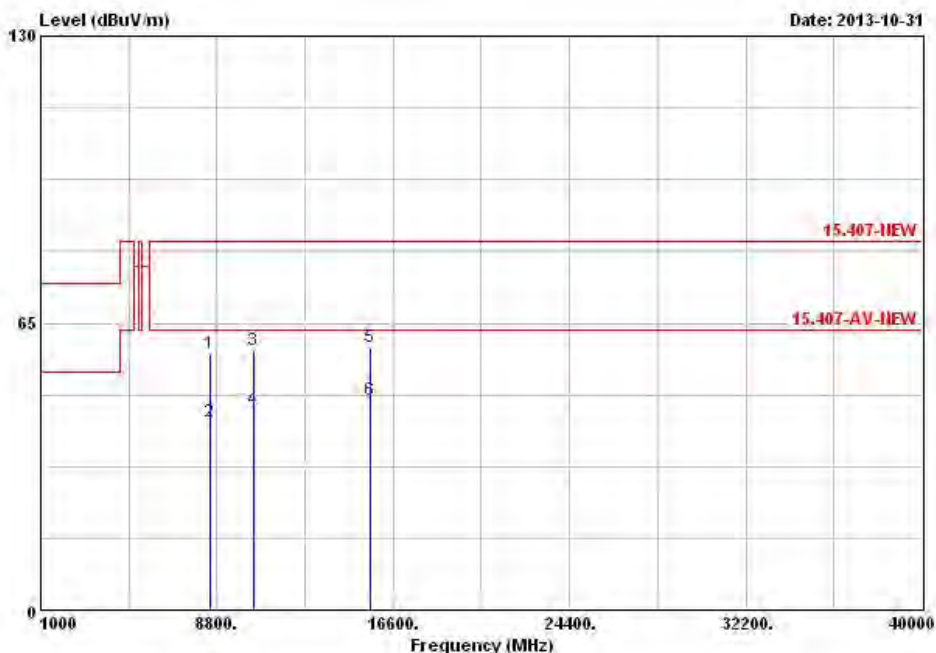
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT20	Test Freq. (MHz)	5200
N_{TX}	2	Polarization	V



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8490.000	58.03	-25.51	83.54	44.35	38.70	7.79	32.81	Peak	---	---
2	8490.000	42.75	-20.79	63.54	29.07	38.70	7.79	32.81	Average	---	---
3	10400.000	58.93	-24.61	83.54	43.23	39.60	8.83	32.73	Peak	---	---
4	10400.000	45.61	-17.93	63.54	29.91	39.60	8.83	32.73	Average	---	---
5	15600.000	59.65	-23.89	83.54	44.39	37.91	9.57	32.22	Peak	---	---
6	15600.000	47.52	-16.02	63.54	32.26	37.91	9.57	32.22	Average	---	---

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

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

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

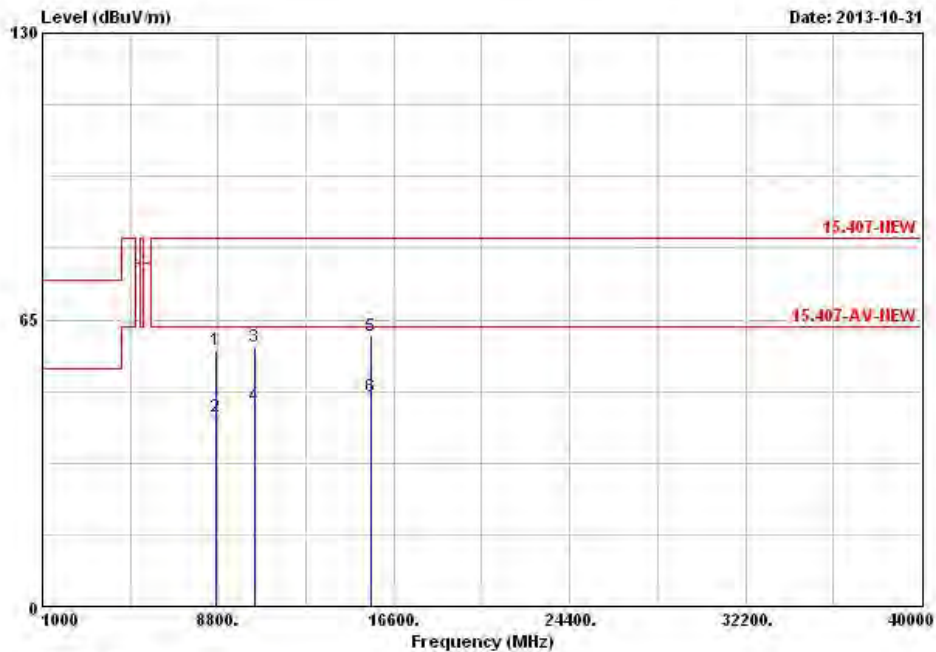
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT20	Test Freq. (MHz)	5200
N_{TX}	2	Polarization	H



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Rnt Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8718.000	58.03	-25.51	83.54	44.21	38.44	8.27	32.89	Peak	---	---
2	8718.000	43.10	-20.44	63.54	29.28	38.44	8.27	32.89	Average	---	---
3	10400.000	58.79	-24.75	83.54	43.09	39.60	8.83	32.73	Peak	---	---
4	@10400.000	45.59	-17.95	63.54	29.89	39.60	8.83	32.73	Average	---	---
5	15600.000	61.31	-22.23	83.54	46.05	37.91	9.57	32.22	Peak	---	---
6	@15600.000	47.62	-15.92	63.54	32.36	37.91	9.57	32.22	Average	---	---

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

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

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

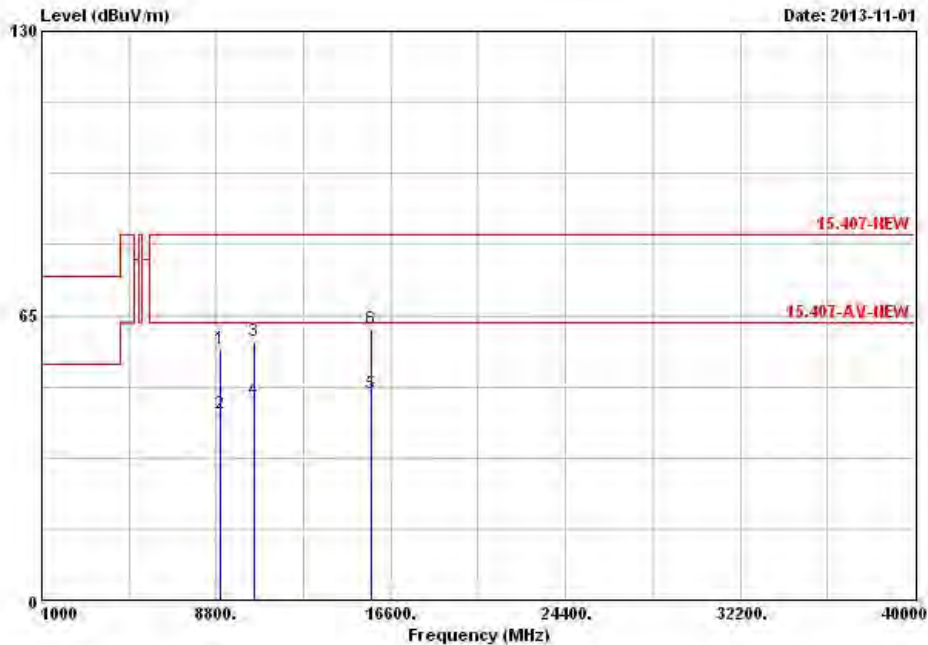
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT20	Test Freq. (MHz)	5240
N_{TX}	2	Polarization	V



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8964.000	57.46	-26.08	83.54	43.51	38.16	8.75	32.96	Peak	---
2	8964.000	42.76	-20.78	63.54	28.81	38.16	8.75	32.96	Average	---
3	10480.000	59.19	-24.35	83.54	43.32	39.60	8.94	32.67	Peak	---
4	10480.000	45.64	-17.90	63.54	29.77	39.60	8.94	32.67	Average	---
5	15720.000	47.34	-16.20	63.54	32.36	37.70	9.53	32.25	Average	---
6	15720.000	61.99	-21.55	83.54	47.01	37.70	9.53	32.25	Peak	---

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

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

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

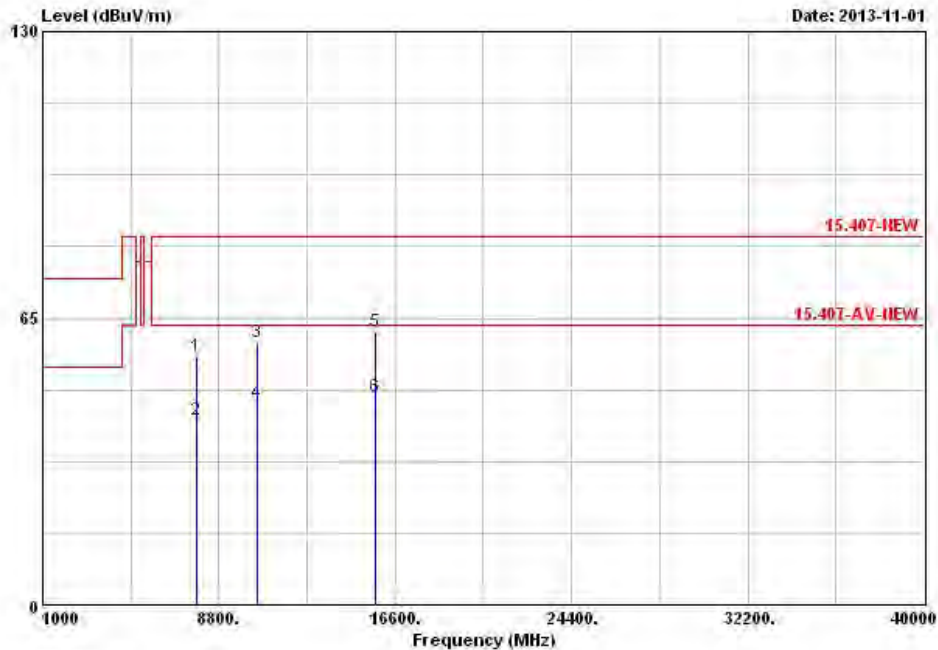
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT20	Test Freq. (MHz)	5240
N_{TX}	2	Polarization	H



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	7818.000	56.23	-27.31	83.54	43.34	37.62	8.04	32.77	Peak	---
2	7818.000	41.92	-21.62	63.54	29.03	37.62	8.04	32.77	Average	---
3	10480.000	59.43	-24.11	83.54	43.56	39.60	8.94	32.67	Peak	---
4	10480.000	45.67	-17.87	63.54	29.80	39.60	8.94	32.67	Average	---
5	15720.000	62.08	-21.46	83.54	47.10	37.70	9.53	32.25	Peak	---
6	15720.000	47.29	-16.25	63.54	32.31	37.70	9.53	32.25	Average	---

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

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

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

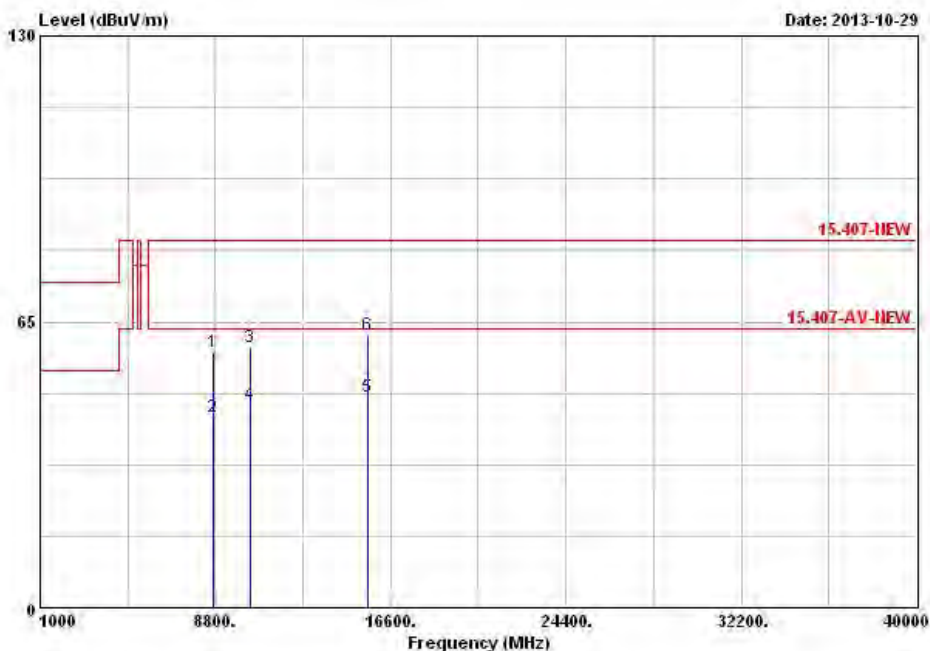
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT40	Test Freq. (MHz)	5190
N_{TX}	1	Polarization	V



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp			Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8712.000	58.25	-25.29	83.54	44.42	38.44	8.27	32.88	Peak	---	---
2	8712.000	43.26	-20.28	63.54	29.43	38.44	8.27	32.88	Average	---	---
3	10380.000	59.32	-24.22	83.54	43.64	39.60	8.83	32.75	Peak	---	---
4	@10380.000	46.07	-17.47	63.54	30.39	39.60	8.83	32.75	Average	---	---
5	@15570.000	47.94	-15.60	63.54	32.59	37.98	9.57	32.20	Average	---	---
6	15570.000	62.12	-21.42	83.54	46.77	37.98	9.57	32.20	Peak	---	---

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

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

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

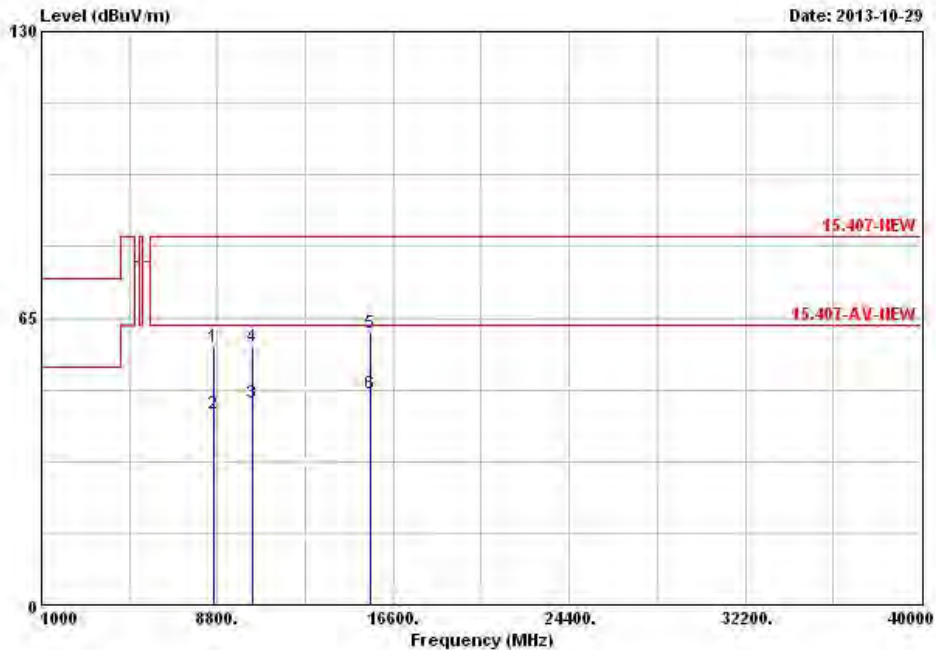
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT40	Test Freq. (MHz)	5190
N_{TX}	1	Polarization	H



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8634.000	58.65	-24.89	83.54	44.85	38.54	8.11	32.85	Peak	---
2	8634.000	43.27	-20.27	63.54	29.47	38.54	8.11	32.85	Average	---
3	10380.000	45.97	-17.57	63.54	30.29	39.60	8.83	32.75	Average	---
4	10380.000	58.60	-24.94	83.54	42.92	39.60	8.83	32.75	Peak	---
5	15570.000	61.72	-21.82	83.54	46.37	37.98	9.57	32.20	Peak	---
6	15570.000	47.94	-15.60	63.54	32.59	37.98	9.57	32.20	Average	---

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

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

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

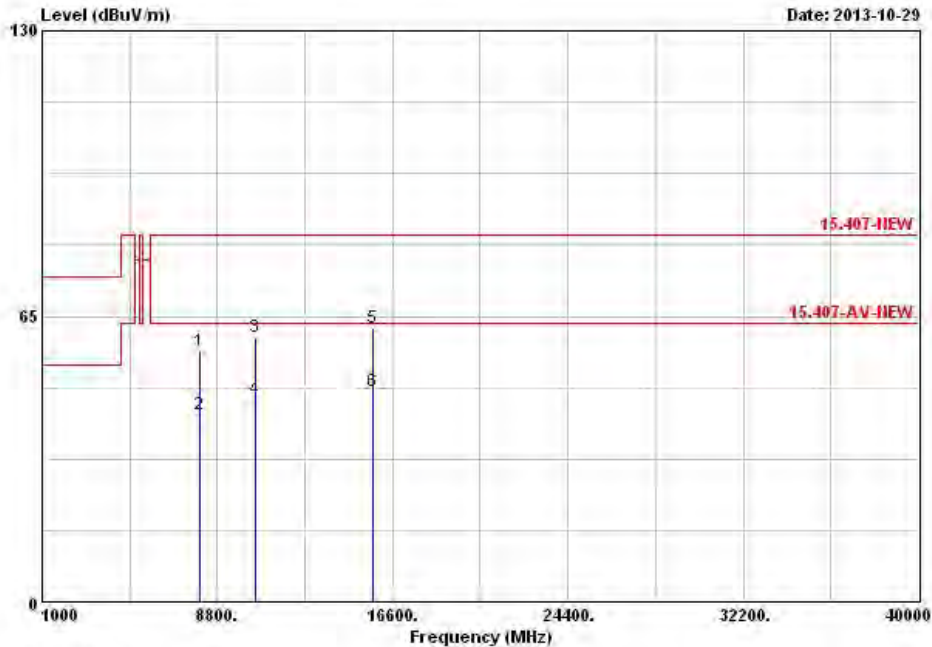
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT40	Test Freq. (MHz)	5230
N_{TX}	1	Polarization	V



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp				
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Ant	Table
			dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	7998.000	57.21	-26.33	83.54	44.14	37.80	8.07	32.80	Peak	---	---
2	7998.000	42.61	-20.93	63.54	29.54	37.80	8.07	32.80	Average	---	---
3	10460.000	60.38	-23.16	83.54	44.53	39.60	8.94	32.69	Peak	---	---
4	10460.000	46.05	-17.49	63.54	30.20	39.60	8.94	32.69	Average	---	---
5	15690.000	62.45	-21.09	83.54	47.40	37.76	9.53	32.24	Peak	---	---
6	15690.000	47.79	-15.75	63.54	32.74	37.76	9.53	32.24	Average	---	---

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

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

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

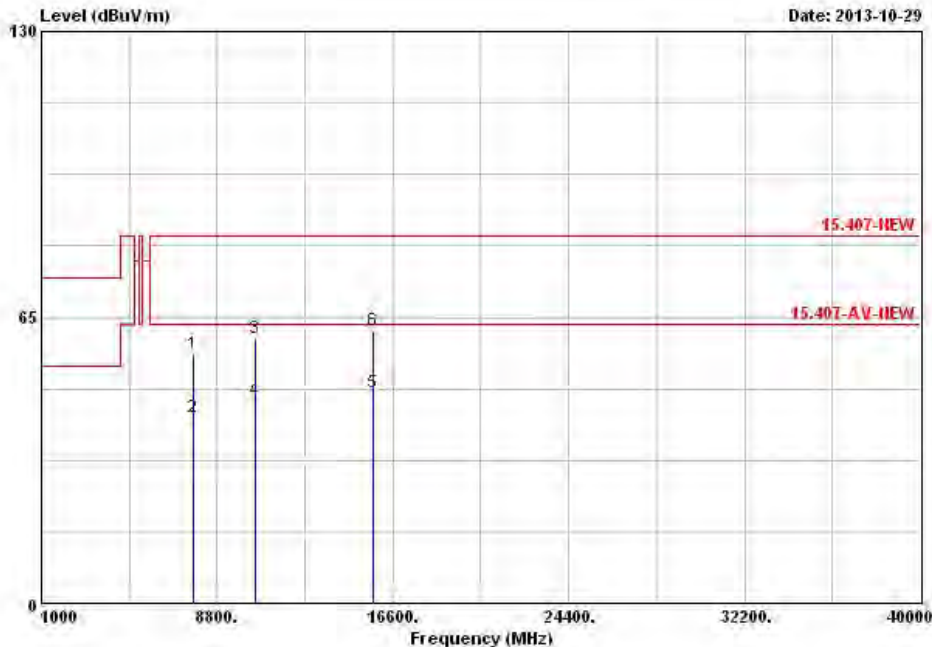
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT40	Test Freq. (MHz)	5230
N_{TX}	1	Polarization	H



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Rnt	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	7716.000	56.80	-26.74	83.54	44.01	37.52	8.02	32.75	Peak	---
2	7716.000	42.19	-21.35	63.54	29.40	37.52	8.02	32.75	Average	---
3	10460.000	60.27	-23.27	83.54	44.42	39.60	8.94	32.69	Peak	---
4	10460.000	46.15	-17.39	63.54	30.30	39.60	8.94	32.69	Average	---
5	15690.000	47.78	-15.76	63.54	32.73	37.76	9.53	32.24	Average	---
6	15690.000	61.95	-21.59	83.54	46.90	37.76	9.53	32.24	Peak	---

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

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

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

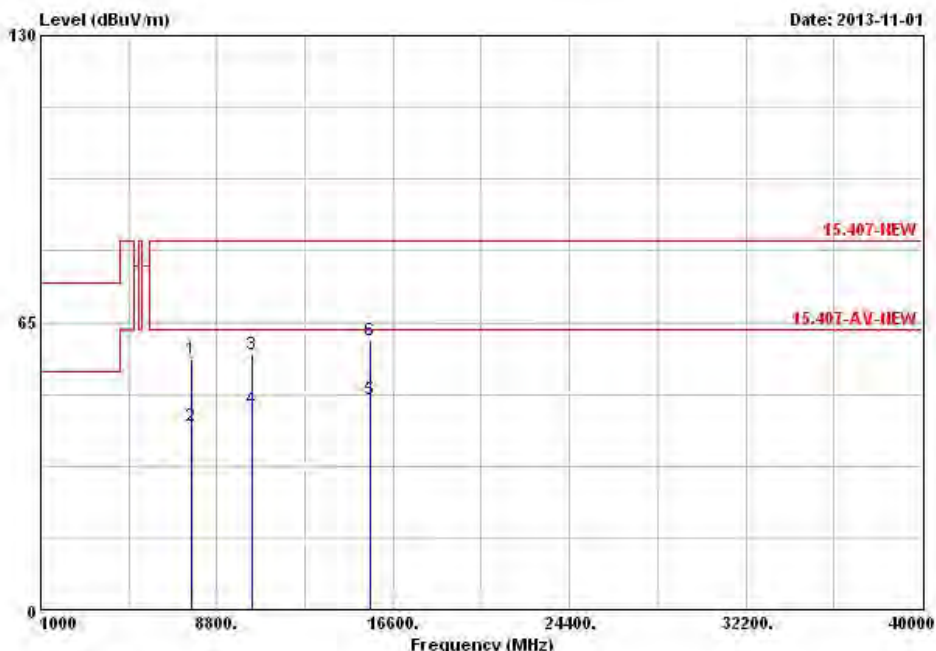
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT40	Test Freq. (MHz)	5190
N_{TX}	2	Polarization	V



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	7680.000	56.64	-26.90	83.54	43.90	37.48	8.01	32.75	Peak	---
2	7680.000	41.61	-21.93	63.54	28.87	37.48	8.01	32.75	Average	---
3	10380.000	57.89	-25.65	83.54	42.21	39.60	8.83	32.75	Peak	---
4	10380.000	45.61	-17.93	63.54	29.93	39.60	8.83	32.75	Average	---
5	15570.000	47.70	-15.84	63.54	32.35	37.98	9.57	32.20	Average	---
6	15570.000	61.10	-22.44	83.54	45.75	37.98	9.57	32.20	Peak	---

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

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

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

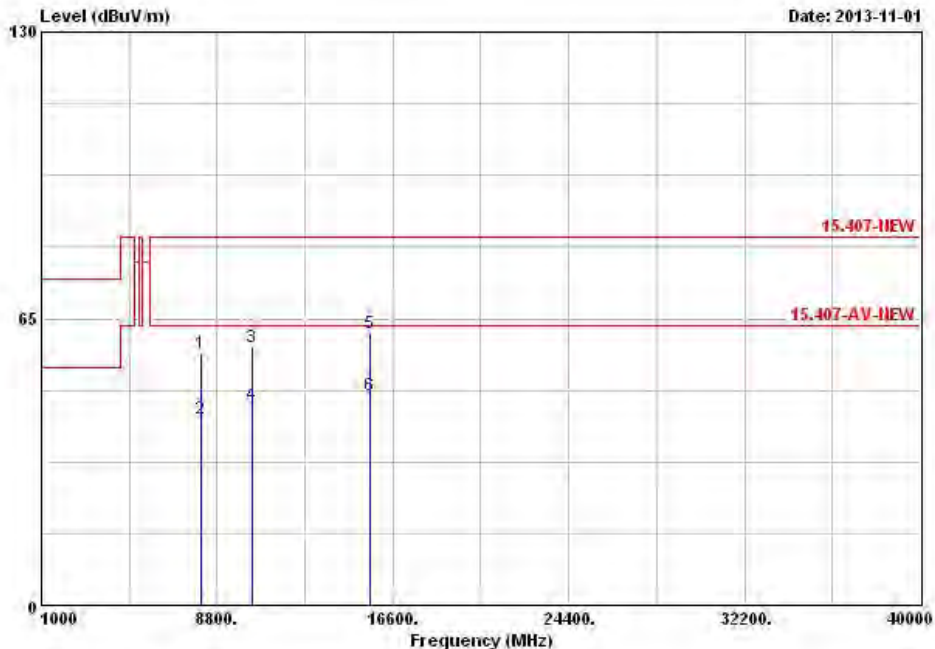
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT40	Test Freq. (MHz)	5190
N_{TX}	2	Polarization	H



	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8118.000	56.98	-26.56	83.54	43.78	38.02	7.98	32.80	Peak	---	---
2	8118.000	42.15	-21.39	63.54	28.95	38.02	7.98	32.80	Average	---	---
3	10380.000	58.50	-25.04	83.54	42.82	39.60	8.83	32.75	Peak	---	---
4	@10380.000	45.58	-17.96	63.54	29.90	39.60	8.83	32.75	Average	---	---
5	15570.000	61.73	-21.81	83.54	46.38	37.98	9.57	32.20	Peak	---	---
6	@15570.000	47.69	-15.85	63.54	32.34	37.98	9.57	32.20	Average	---	---

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

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

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

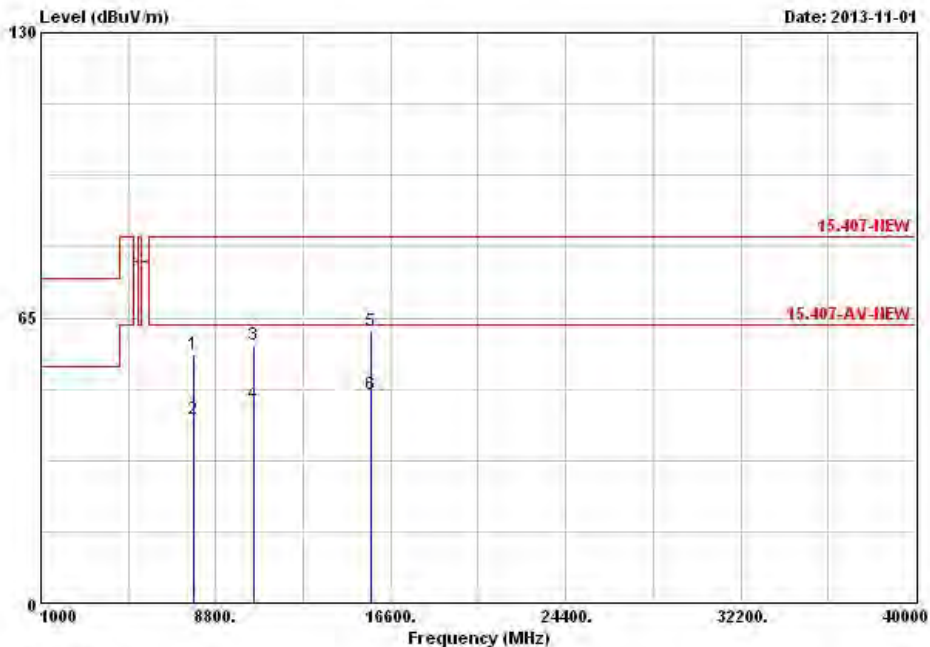
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT40	Test Freq. (MHz)	5230
N _{TX}	2	Polarization	V



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	7782.000	56.76	-26.78	83.54	43.91	37.58	8.03	32.76	Peak	---	---
2	7782.000	41.81	-21.73	63.54	28.96	37.58	8.03	32.76	Average	---	---
3	10460.000	58.77	-24.77	83.54	42.92	39.60	8.94	32.69	Peak	---	---
4	10460.000	45.57	-17.97	63.54	29.72	39.60	8.94	32.69	Average	---	---
5	15690.000	62.04	-21.50	83.54	46.99	37.76	9.53	32.24	Peak	---	---
6	15690.000	47.45	-16.09	63.54	32.40	37.76	9.53	32.24	Average	---	---

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

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

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

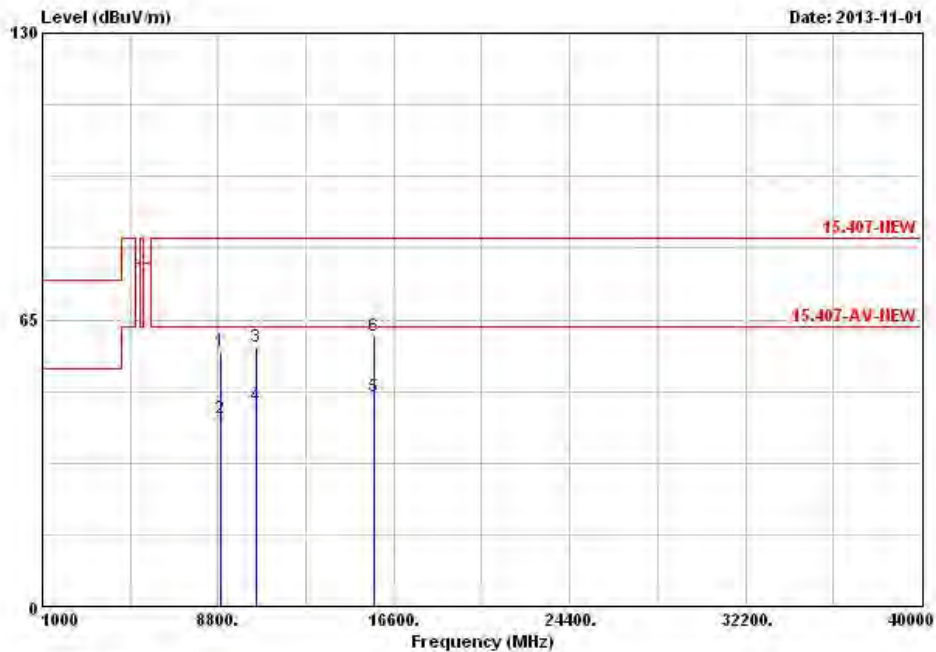
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT40	Test Freq. (MHz)	5230
N_{TX}	2	Polarization	H



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Rnt Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8940.000	57.77	-25.77	83.54	43.79	38.18	8.75	32.95	Peak	---	---
2	8940.000	42.67	-20.87	63.54	28.69	38.18	8.75	32.95	Average	---	---
3	10460.000	58.85	-24.69	83.54	43.00	39.60	8.94	32.69	Peak	---	---
4	@10460.000	45.41	-18.13	63.54	29.56	39.60	8.94	32.69	Average	---	---
5	@15690.000	47.46	-16.08	63.54	32.41	37.76	9.53	32.24	Average	---	---
6	15690.000	61.47	-22.07	83.54	46.42	37.76	9.53	32.24	Peak	---	---

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

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

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

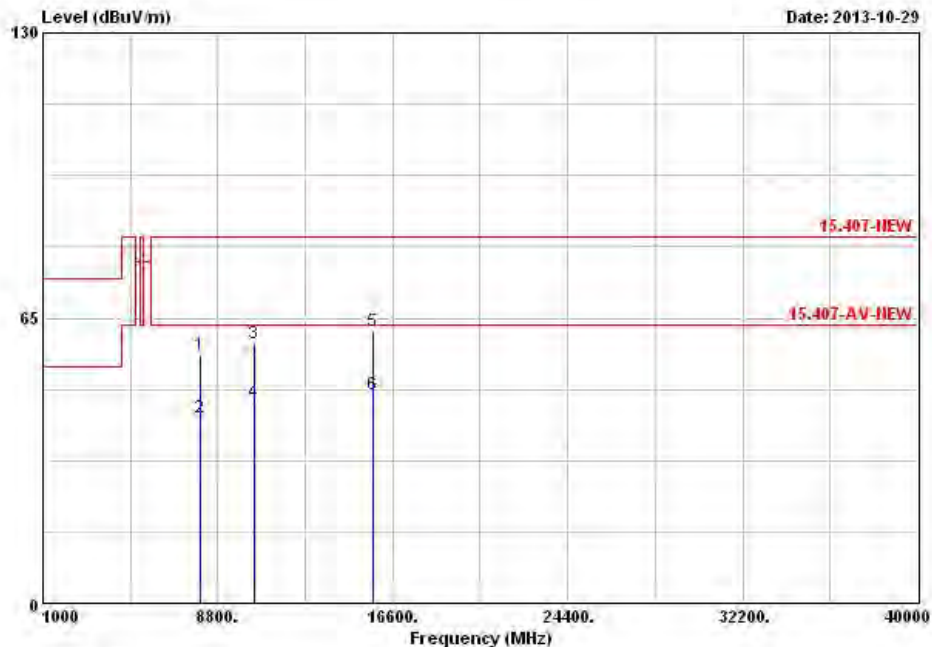
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT80	Test Freq. (MHz)	5210
N_{TX}	1	Polarization	V



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp			Rnt	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8022.000	56.88	-26.66	83.54	43.80	37.83	8.05	32.80	Peak	---	---
2	8022.000	42.27	-21.27	63.54	29.19	37.83	8.05	32.80	Average	---	---
3	10420.000	59.28	-24.26	83.54	43.52	39.60	8.89	32.73	Peak	---	---
4	@10420.000	45.63	-17.91	63.54	29.87	39.60	8.89	32.73	Average	---	---
5	15720.000	62.08	-21.46	83.54	47.10	37.70	9.53	32.25	Peak	---	---
6	@15724.000	47.72	-15.82	63.54	32.76	37.70	9.51	32.25	Average	---	---

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

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

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

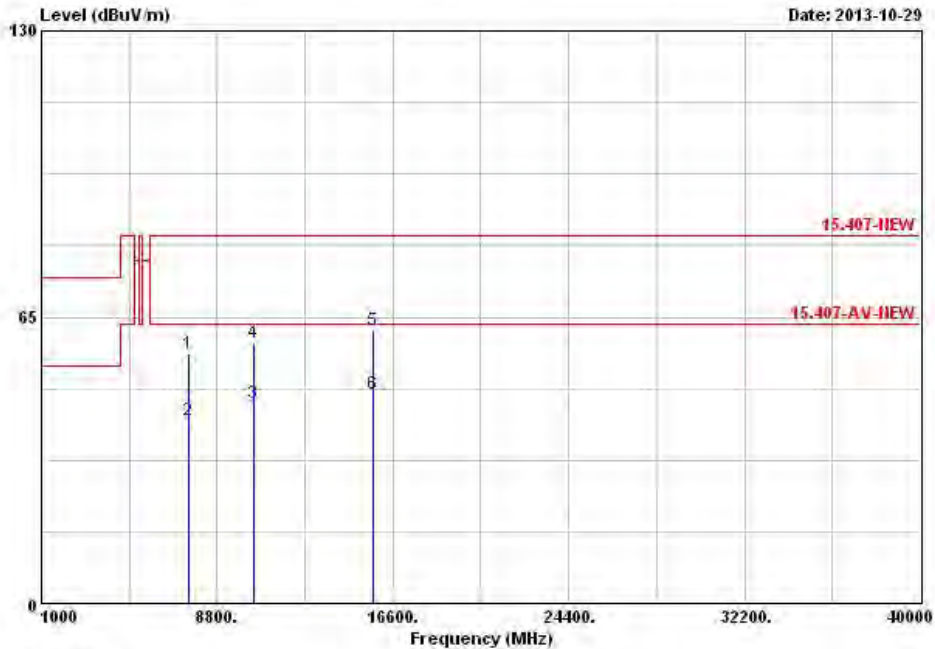
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT80	Test Freq. (MHz)	5210
N_{TX}	1	Polarization	H



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Rnt	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	7566.000	56.59	-26.95	83.54	43.96	37.37	7.99	32.73	Peak	---
2	7566.000	41.73	-21.81	63.54	29.10	37.37	7.99	32.73	Average	---
3	10420.000	45.59	-17.95	63.54	29.83	39.60	8.89	32.73	Average	---
4	10424.000	59.14	-24.40	83.54	43.36	39.60	8.89	32.71	Peak	---
5	15720.000	62.15	-21.39	83.54	47.17	37.70	9.53	32.25	Peak	---
6	15720.000	47.69	-15.85	63.54	32.71	37.70	9.53	32.25	Average	---

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

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

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

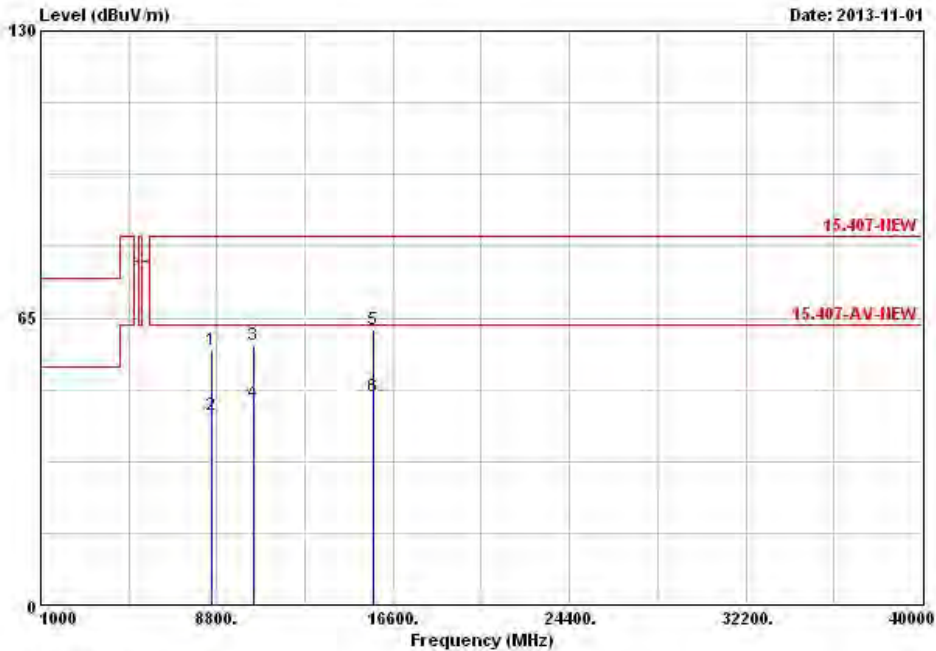
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT80	Test Freq. (MHz)	5210
N_{TX}	2	Polarization	V



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Rnt	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8568.000	57.83	-25.71	83.54	44.10	38.62	7.95	32.84	Peak	---
2	8568.000	42.91	-20.63	63.54	29.18	38.62	7.95	32.84	Average	---
3	10420.000	59.01	-24.53	83.54	43.25	39.60	8.89	32.73	Peak	---
4	@10420.000	45.78	-17.76	63.54	30.02	39.60	8.89	32.73	Average	---
5	15720.000	62.21	-21.33	83.54	47.23	37.70	9.53	32.25	Peak	---
6	@15720.000	47.33	-16.21	63.54	32.35	37.70	9.53	32.25	Average	---

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

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

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

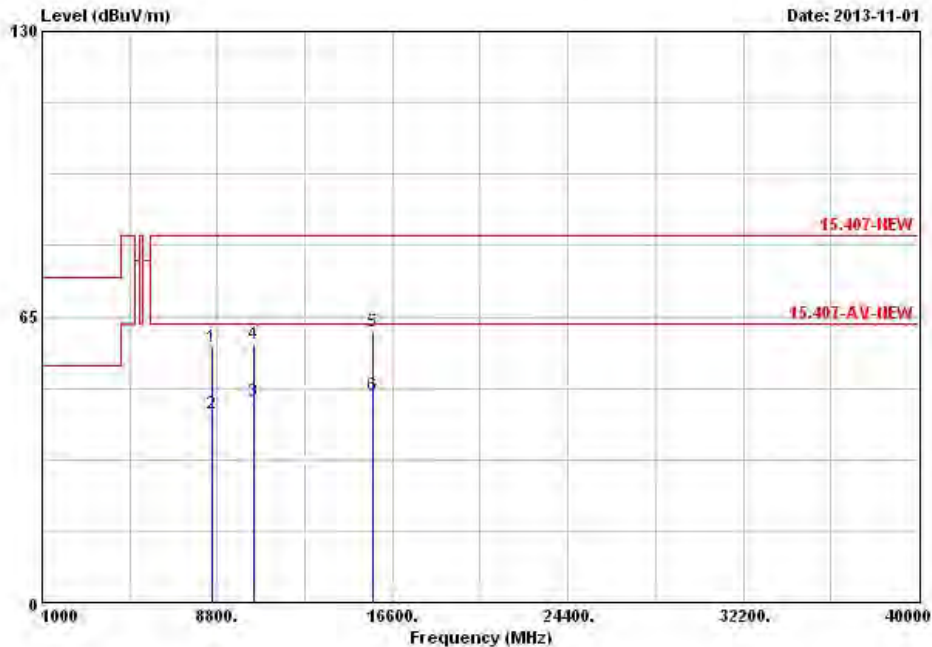
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT80	Test Freq. (MHz)	5210
N_{TX}	2	Polarization	H



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Rnt	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8568.000	58.11	-25.43	83.54	44.38	38.62	7.95	32.84	Peak	---
2	8568.000	42.88	-20.66	63.54	29.15	38.62	7.95	32.84	Average	---
3	10420.000	45.78	-17.76	63.54	30.02	39.60	8.89	32.73	Average	---
4	10420.000	58.85	-24.69	83.54	43.09	39.60	8.89	32.73	Peak	---
5	15720.000	61.50	-22.04	83.54	46.52	37.70	9.53	32.25	Peak	---
6	15720.000	47.32	-16.22	63.54	32.34	37.70	9.53	32.25	Average	---

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

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

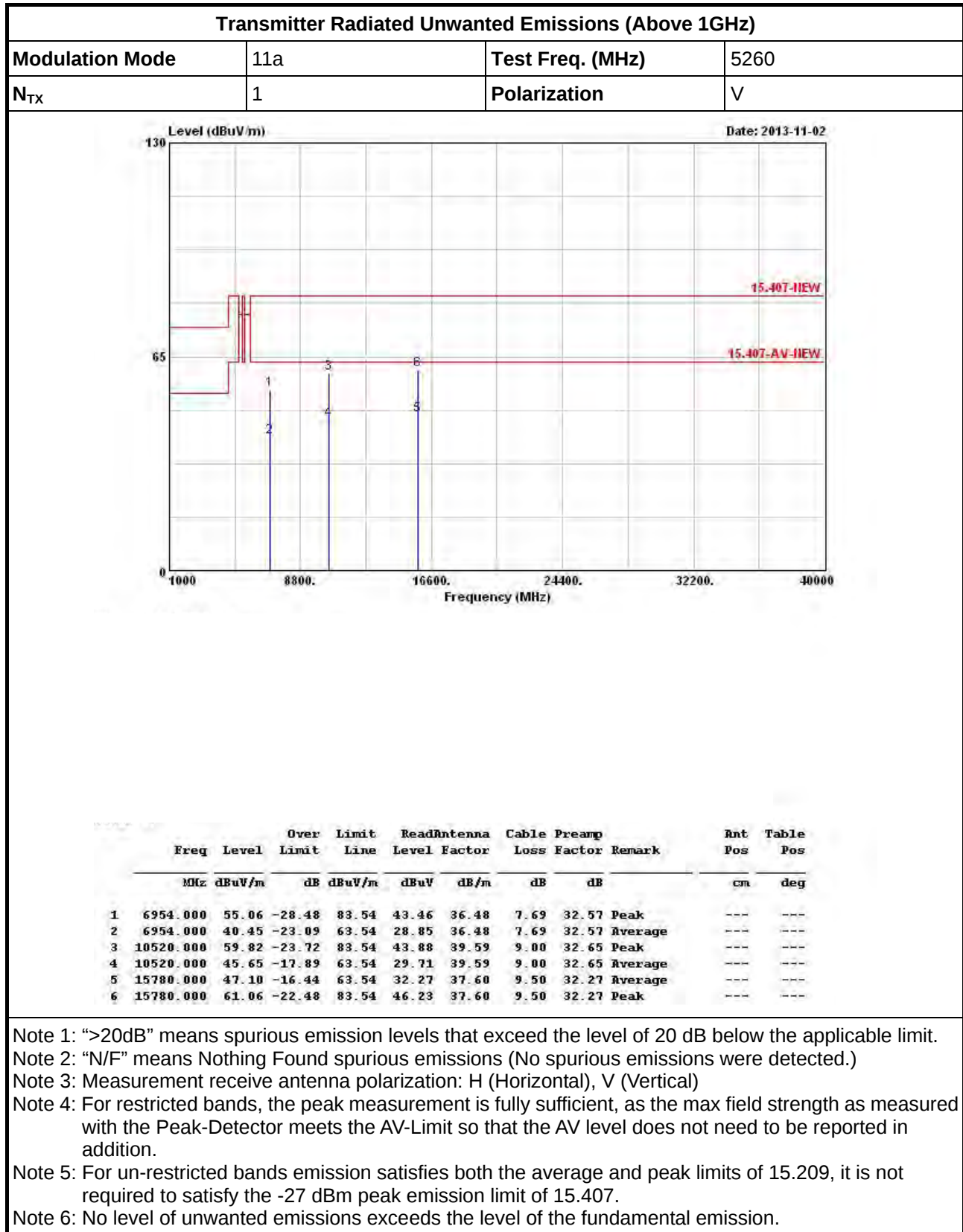
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

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

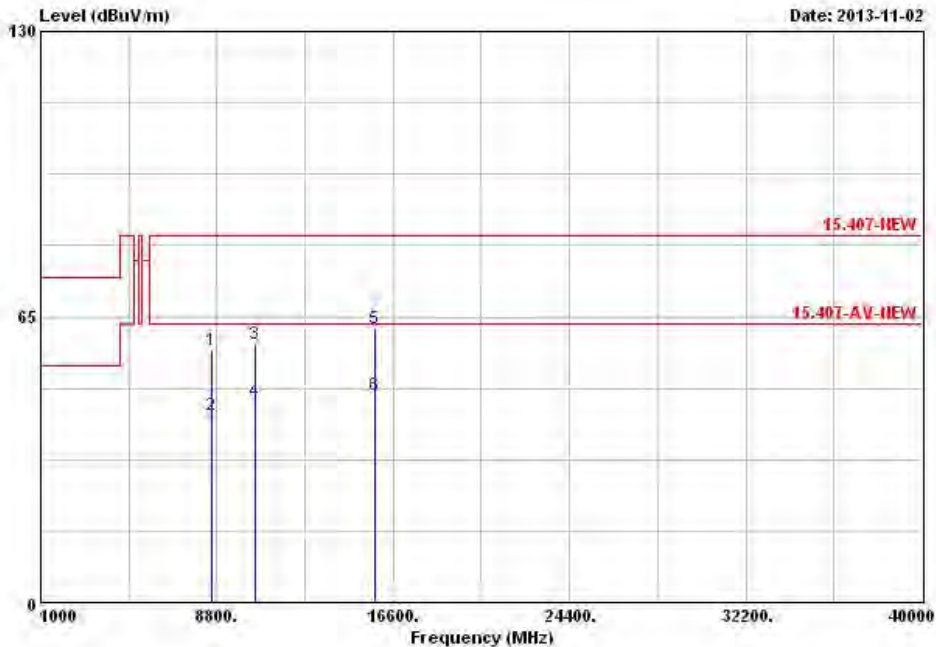
Note 6: No level of unwanted emissions exceeds the level of the fundamental emission.

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



Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a	Test Freq. (MHz)	5260
N_{TX}	1	Polarization	H



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Rnt	Table
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8568.000	57.48	-26.06	83.54	43.75	38.62	7.95	32.84	Peak	---
2	8568.000	42.70	-20.84	63.54	28.97	38.62	7.95	32.84	Average	---
3	10520.000	58.90	-24.64	83.54	42.96	39.59	9.00	32.65	Peak	---
4	10520.000	45.68	-17.86	63.54	29.74	39.59	9.00	32.65	Average	---
5	15780.000	62.47	-21.07	83.54	47.64	37.60	9.50	32.27	Peak	---
6	15780.000	47.16	-16.38	63.54	32.33	37.60	9.50	32.27	Average	---

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

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

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

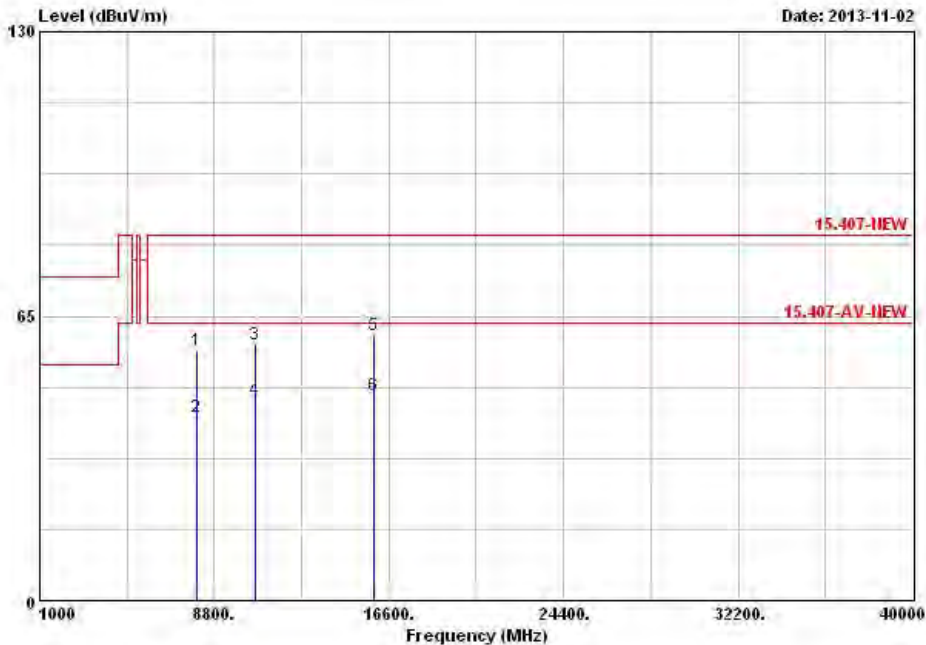
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a	Test Freq. (MHz)	5300
N_{TX}	1	Polarization	V



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8004.000	57.19	-26.35	83.54	44.14	37.80	8.05	32.80	Peak	---
2	8004.000	41.99	-21.55	63.54	28.94	37.80	8.05	32.80	Average	---
3	10600.000	58.63	-24.91	83.54	42.68	39.52	9.04	32.61	Peak	---
4	10600.000	45.69	-17.85	63.54	29.74	39.52	9.04	32.61	Average	---
5	15900.000	60.71	-22.83	83.54	46.17	37.39	9.45	32.30	Peak	---
6	15900.000	46.83	-16.71	63.54	32.29	37.39	9.45	32.30	Average	---

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

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

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

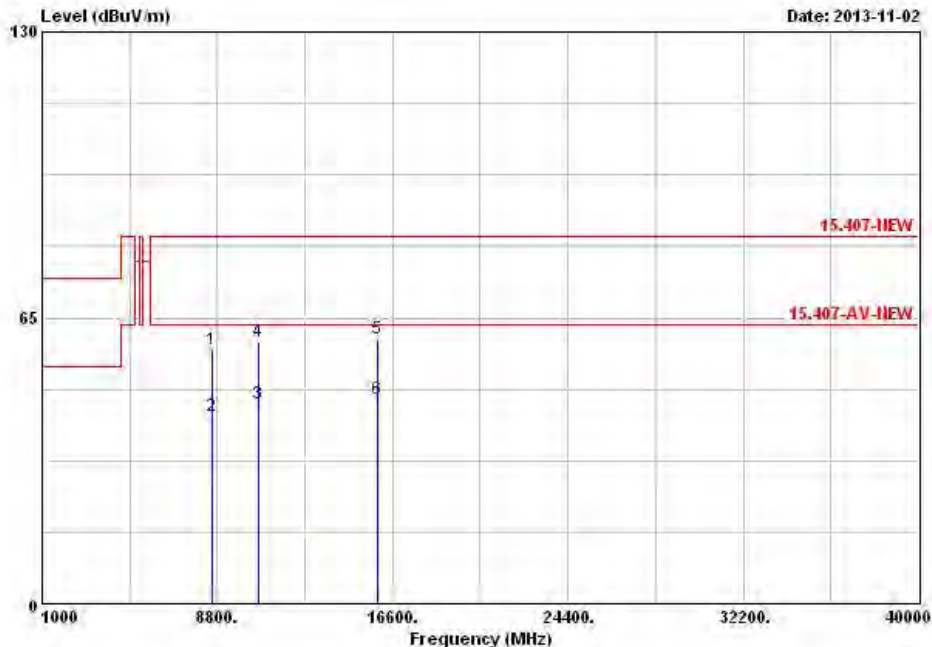
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a	Test Freq. (MHz)	5300
N_{TX}	1	Polarization	H



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8574.000	57.74	-25.80	83.54	44.03	38.60	7.95	32.84	Peak	---
2	8574.000	42.63	-20.91	63.54	28.92	38.60	7.95	32.84	Average	---
3	10600.000	45.62	-17.92	63.54	29.67	39.52	9.04	32.61	Average	---
4	10600.000	59.47	-24.07	83.54	43.52	39.52	9.04	32.61	Peak	---
5	15900.000	60.36	-23.18	83.54	45.82	37.39	9.45	32.30	Peak	---
6	15900.000	46.66	-16.88	63.54	32.12	37.39	9.45	32.30	Average	---

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

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

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

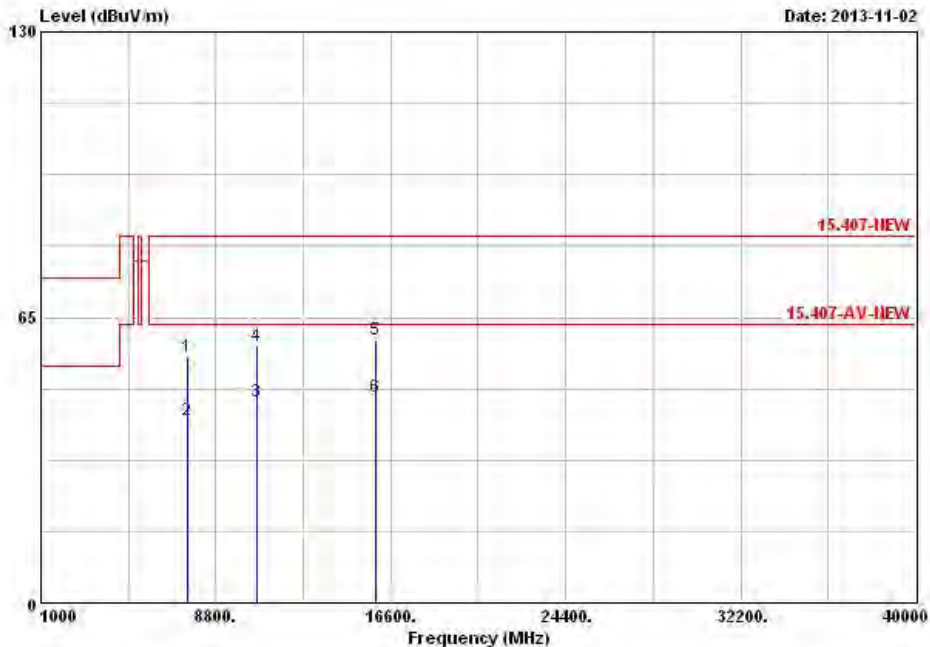
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a	Test Freq. (MHz)	5320
N_{TX}	1	Polarization	V



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	7530.000	56.07	-27.47	83.54	43.48	37.33	7.98	32.72	Peak	---
2	7530.000	41.58	-21.96	63.54	28.99	37.33	7.98	32.72	Average	---
3	10640.000	45.78	-17.76	63.54	29.81	39.49	9.06	32.58	Average	---
4	10640.000	58.53	-25.01	83.54	42.56	39.49	9.06	32.58	Peak	---
5	15960.000	59.87	-23.67	83.54	45.51	37.26	9.42	32.32	Peak	---
6	15960.000	46.71	-16.83	63.54	32.35	37.26	9.42	32.32	Average	---

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

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

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

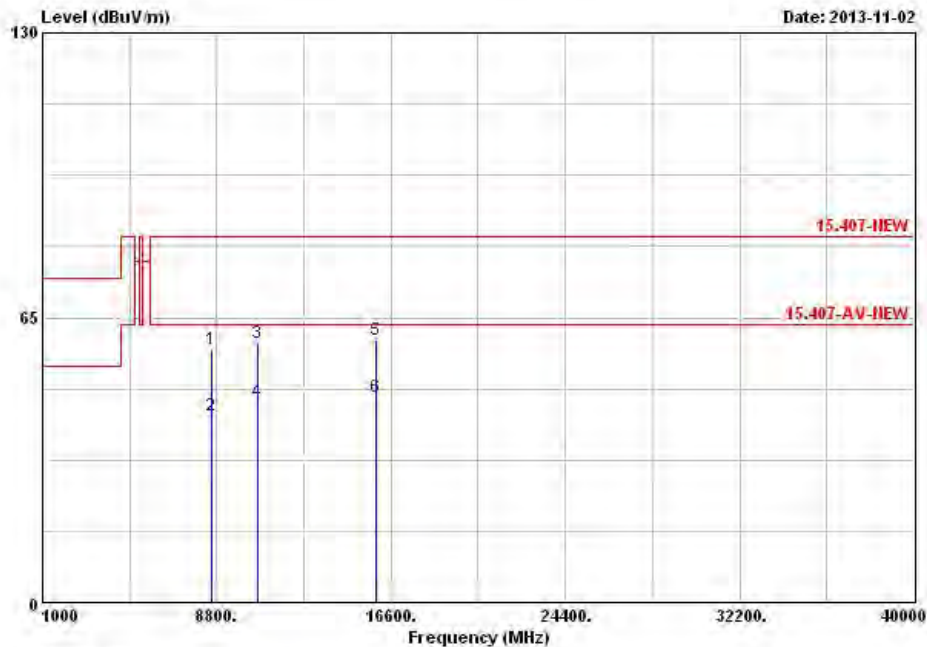
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a	Test Freq. (MHz)	5320
N_{TX}	1	Polarization	H



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp				
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Rnt	Table
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8580.000	57.62	-25.92	83.54	43.91	38.60	7.95	32.84	Peak	---	---
2	8580.000	42.61	-20.93	63.54	28.90	38.60	7.95	32.84	Average	---	---
3	10640.000	59.10	-24.44	83.54	43.13	39.49	9.06	32.58	Peak	---	---
4	10640.000	45.73	-17.81	63.54	29.76	39.49	9.06	32.58	Average	---	---
5	15960.000	59.96	-23.58	83.54	45.60	37.26	9.42	32.32	Peak	---	---
6	15960.000	46.75	-16.79	63.54	32.39	37.26	9.42	32.32	Average	---	---

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

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

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

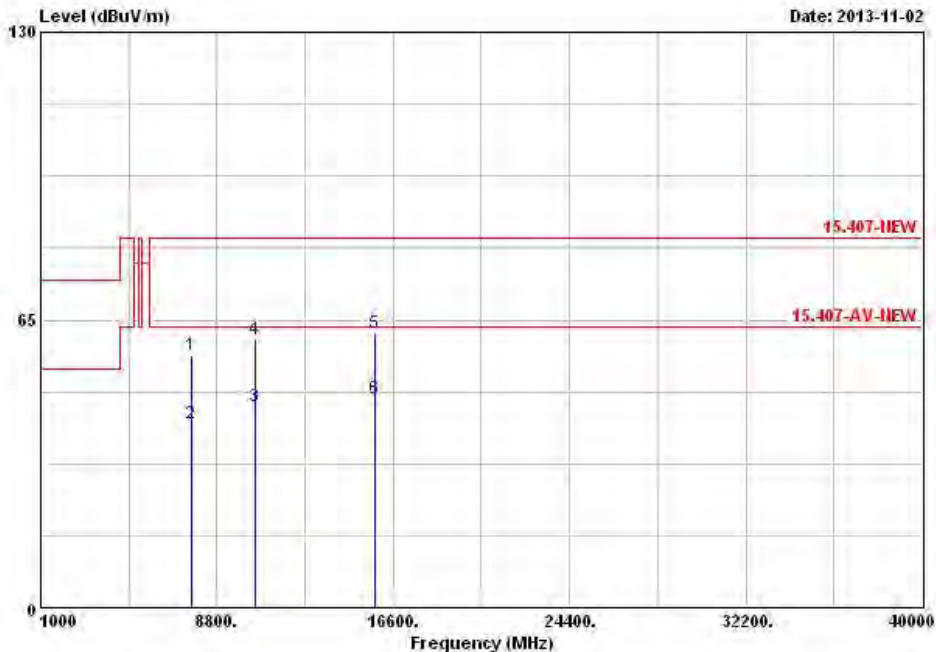
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5260
N_{TX}	1	Polarization	V



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	7662.000	57.19	-26.35	83.54	44.45	37.47	8.01	32.74	Peak	---
2	7662.000	41.69	-21.85	63.54	28.95	37.47	8.01	32.74	Average	---
3	10520.000	45.58	-17.96	63.54	29.64	39.59	9.00	32.65	Average	---
4	10520.000	60.47	-23.07	83.54	44.53	39.59	9.00	32.65	Peak	---
5	15780.000	61.90	-21.64	83.54	47.07	37.60	9.50	32.27	Peak	---
6	15780.000	47.13	-16.41	63.54	32.30	37.60	9.50	32.27	Average	---

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

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

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

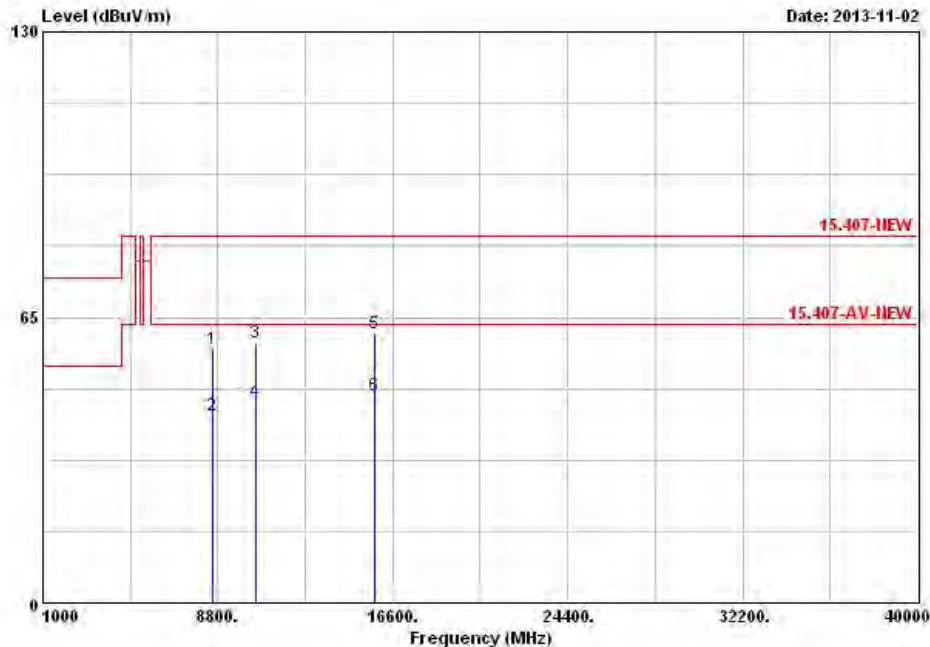
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5260
N_{TX}	1	Polarization	H



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8574.000	57.82	-25.72	83.54	44.11	38.60	7.95	32.84	Peak	---
2	8574.000	42.59	-20.95	63.54	28.88	38.60	7.95	32.84	Average	---
3	10520.000	59.06	-24.48	83.54	43.12	39.59	9.00	32.65	Peak	---
4	10520.000	45.64	-17.90	63.54	29.70	39.59	9.00	32.65	Average	---
5	15780.000	61.42	-22.12	83.54	46.59	37.60	9.50	32.27	Peak	---
6	15780.000	47.09	-16.45	63.54	32.26	37.60	9.50	32.27	Average	---

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

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

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

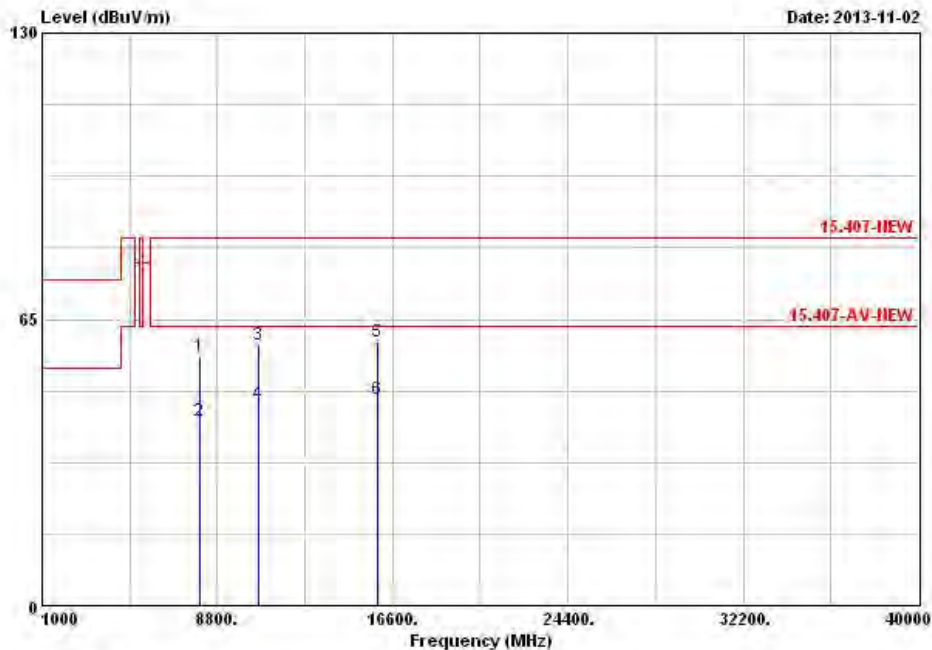
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5300
N_{TX}	1	Polarization	V



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8022.000	56.65	-26.89	83.54	43.57	37.83	8.05	32.80	Peak	---	---
2	8022.000	41.96	-21.58	63.54	28.88	37.83	8.05	32.80	Average	---	---
3	10600.000	59.28	-24.26	83.54	43.33	39.52	9.04	32.61	Peak	---	---
4	10600.000	45.67	-17.87	63.54	29.72	39.52	9.04	32.61	Average	---	---
5	15900.000	59.91	-23.63	83.54	45.37	37.39	9.45	32.30	Peak	---	---
6	15900.000	46.78	-16.76	63.54	32.24	37.39	9.45	32.30	Average	---	---

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

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

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

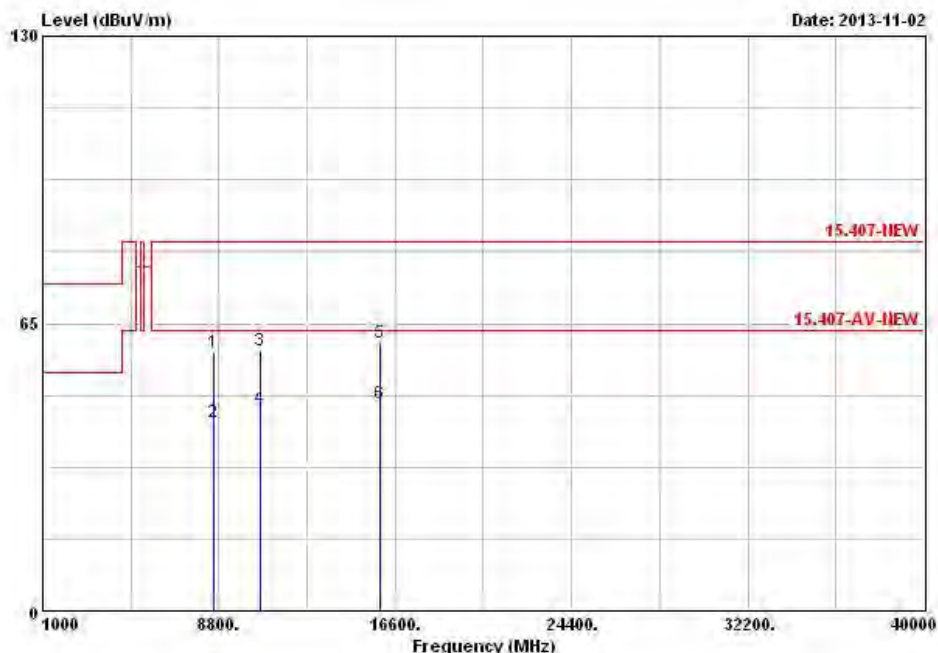
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5300
N_{TX}	1	Polarization	H



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8568.000	58.60	-24.94	83.54	44.87	38.62	7.95	32.84	Peak	---
2	8568.000	42.64	-20.90	63.54	28.91	38.62	7.95	32.84	Average	---
3	10600.000	58.81	-24.73	83.54	42.86	39.52	9.04	32.61	Peak	---
4	10600.000	45.68	-17.86	63.54	29.73	39.52	9.04	32.61	Average	---
5	15900.000	60.50	-23.04	83.54	45.96	37.39	9.45	32.30	Peak	---
6	15900.000	46.88	-16.66	63.54	32.34	37.39	9.45	32.30	Average	---

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

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

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

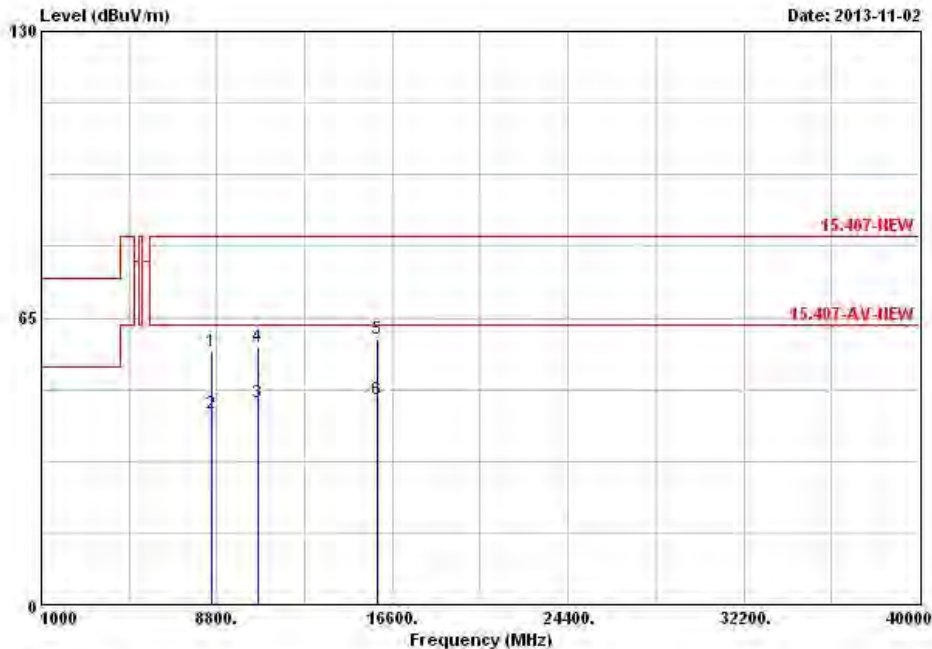
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5320
N_{TX}	1	Polarization	V



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Rnt	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8568.000	57.38	-26.16	83.54	43.65	38.62	7.95	32.84	Peak	---
2	8568.000	43.20	-20.34	63.54	29.47	38.62	7.95	32.84	Average	---
3	10640.000	45.72	-17.82	63.54	29.75	39.49	9.06	32.58	Average	---
4	10640.000	58.48	-25.06	83.54	42.51	39.49	9.06	32.58	Peak	---
5	15960.000	60.41	-23.13	83.54	46.05	37.26	9.42	32.32	Peak	---
6	15960.000	46.66	-16.88	63.54	32.30	37.26	9.42	32.32	Average	---

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

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

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

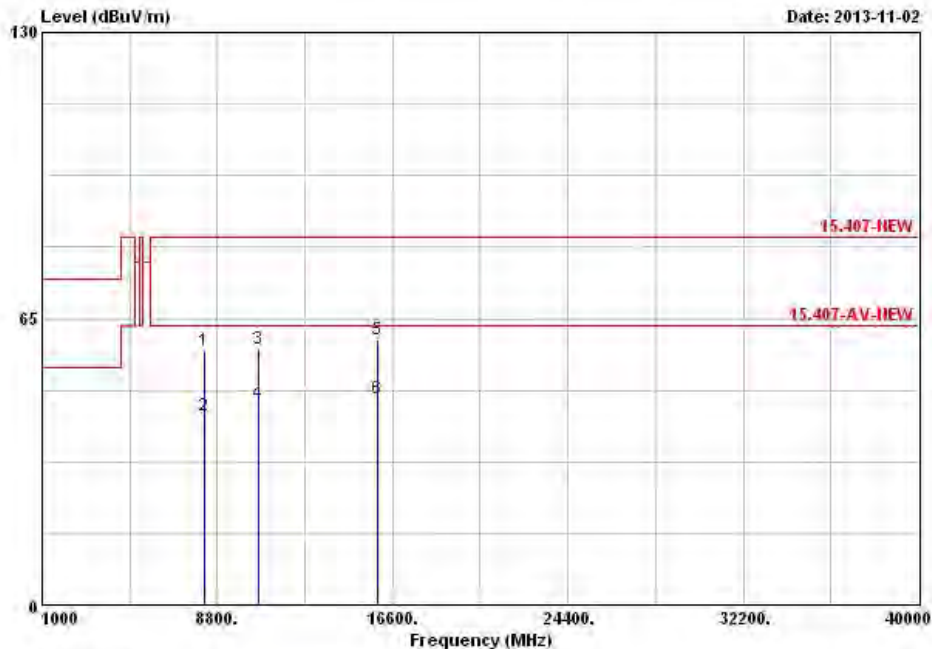
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5320
N_{TX}	1	Polarization	H



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Rnt	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg
1	8232.000	57.61	-25.93	83.54	44.27	38.20	7.94	32.80	Peak	---
2	8232.000	42.81	-20.73	63.54	29.47	38.20	7.94	32.80	Average	---
3	10640.000	58.28	-25.26	83.54	42.31	39.49	9.06	32.58	Peak	---
4	10640.000	45.75	-17.79	63.54	29.78	39.49	9.06	32.58	Average	---
5	15960.000	60.32	-23.22	83.54	45.96	37.26	9.42	32.32	Peak	---
6	15960.000	46.70	-16.84	63.54	32.34	37.26	9.42	32.32	Average	---

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

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

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

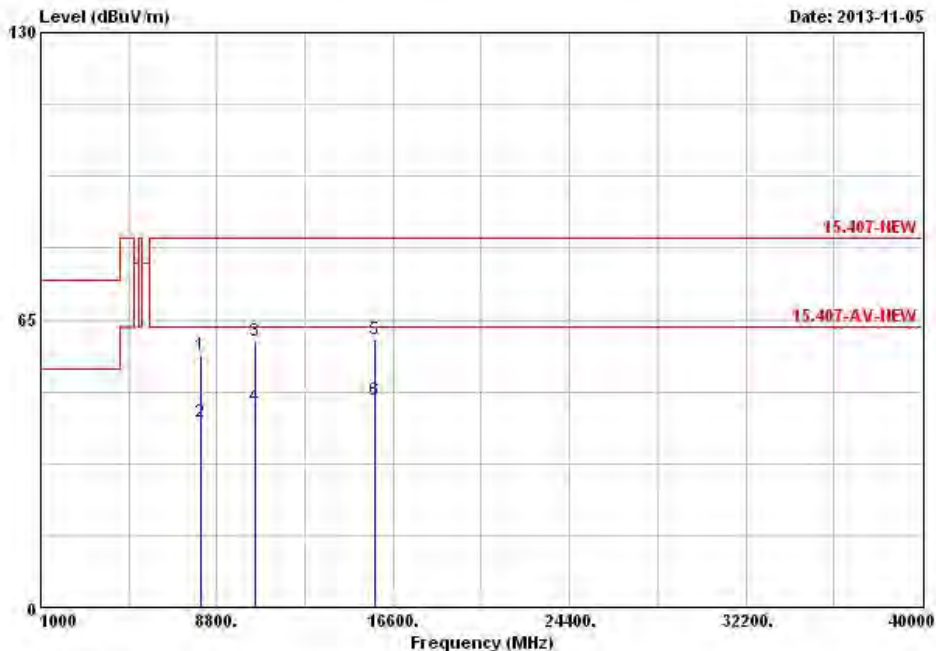
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5260
N_{TX}	2	Polarization	V



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8112.000	57.00	-26.54	83.54	43.81	37.99	8.00	32.80	Peak	---	---
2	8112.000	41.83	-21.71	63.54	28.64	37.99	8.00	32.80	Average	---	---
3	10520.000	60.24	-23.30	83.54	44.30	39.59	9.00	32.65	Peak	---	---
4	10520.000	45.35	-18.19	63.54	29.41	39.59	9.00	32.65	Average	---	---
5	15780.000	60.58	-22.96	83.54	45.75	37.60	9.50	32.27	Peak	---	---
6	15780.000	46.77	-16.77	63.54	31.94	37.60	9.50	32.27	Average	---	---

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

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

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

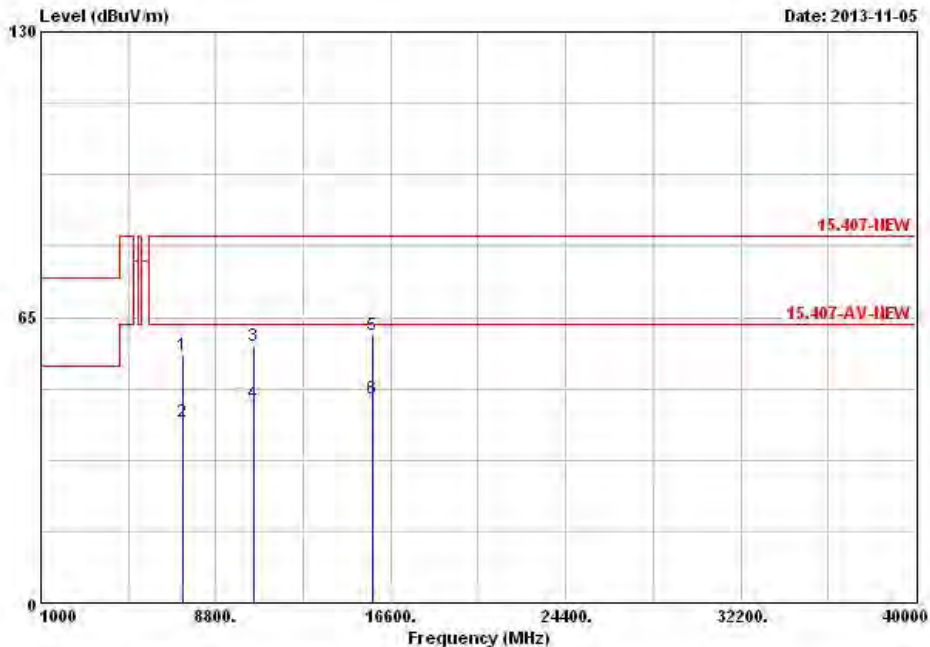
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5260
N _{TX}	2	Polarization	H



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	7338.000	56.46	-27.08	83.54	44.17	37.08	7.89	32.68	Peak	---
2	7338.000	41.38	-22.16	63.54	29.09	37.08	7.89	32.68	Average	---
3	10520.000	58.53	-25.01	83.54	42.59	39.59	9.00	32.65	Peak	---
4	10520.000	45.42	-18.12	63.54	29.48	39.59	9.00	32.65	Average	---
5	15780.000	60.87	-22.67	83.54	46.04	37.60	9.50	32.27	Peak	---
6	15780.000	46.67	-16.87	63.54	31.84	37.60	9.50	32.27	Average	---

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

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

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

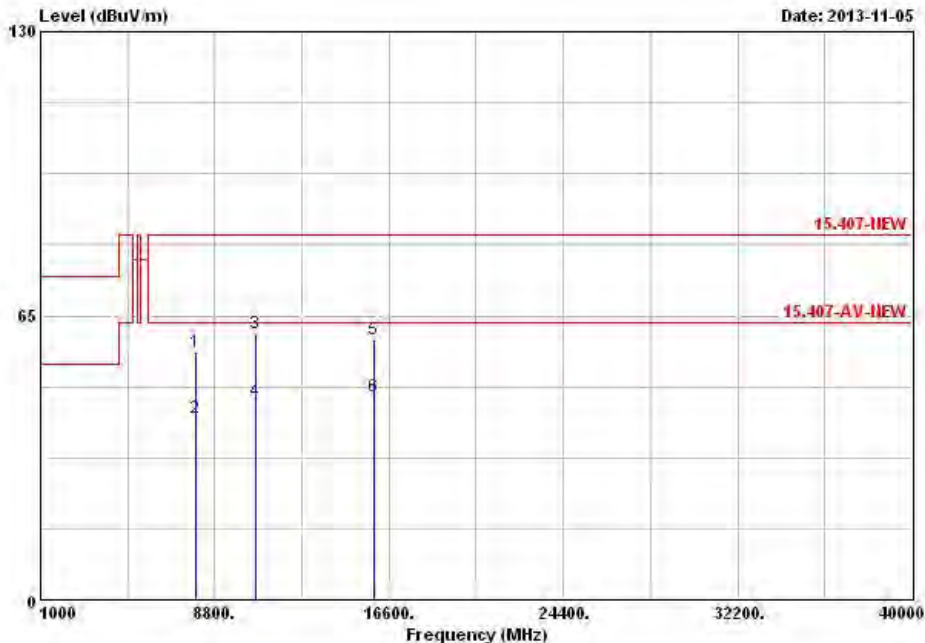
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5300
N_{TX}	2	Polarization	V



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	7974.000	56.59	-26.95	83.54	43.54	37.77	8.07	32.79	Peak	---	---
2	7974.000	41.70	-21.84	63.54	28.65	37.77	8.07	32.79	Average	---	---
3	10600.000	61.05	-22.49	83.54	45.10	39.52	9.04	32.61	Peak	---	---
4	10600.000	45.44	-18.10	63.54	29.49	39.52	9.04	32.61	Average	---	---
5	15900.000	59.62	-23.92	83.54	45.08	37.39	9.45	32.30	Peak	---	---
6	15900.000	46.38	-17.16	63.54	31.84	37.39	9.45	32.30	Average	---	---

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

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

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

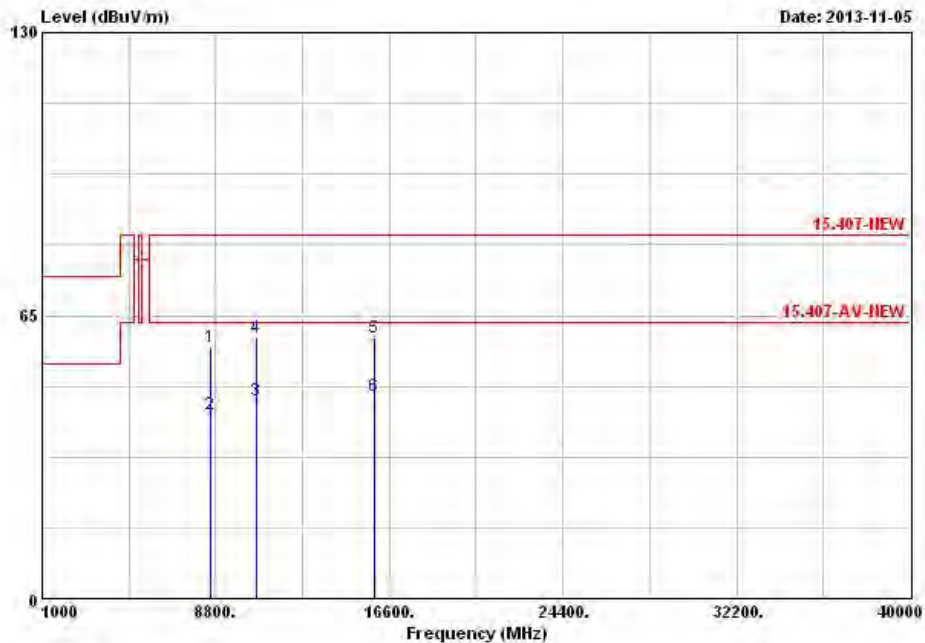
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5300
N_{TX}	2	Polarization	H



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8574.000	57.74	-25.80	83.54	44.03	38.60	7.95	32.84	Peak	---	---
2	8574.000	42.39	-21.15	63.54	28.68	38.60	7.95	32.84	Average	---	---
3	10600.000	45.36	-18.18	63.54	29.41	39.52	9.04	32.61	Average	---	---
4	10600.000	59.89	-23.65	83.54	43.94	39.52	9.04	32.61	Peak	---	---
5	15900.000	59.87	-23.67	83.54	45.33	37.39	9.45	32.30	Peak	---	---
6	15900.000	46.42	-17.12	63.54	31.88	37.39	9.45	32.30	Average	---	---

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

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

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

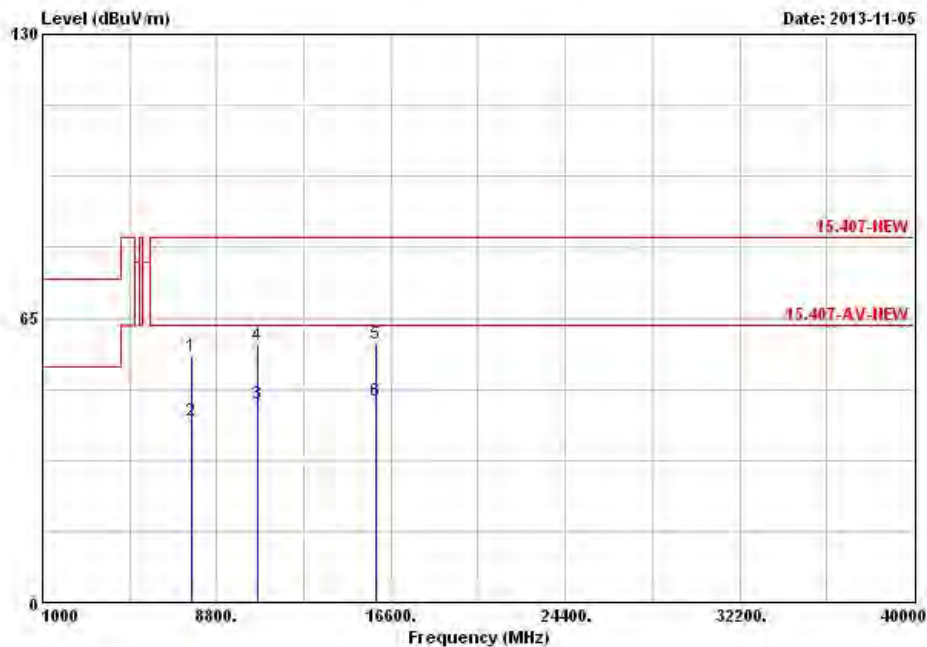
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5320
N_{TX}	2	Polarization	V



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp			
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark	Ant	Table
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	7680.000	56.29	-27.25	83.54	43.55	37.48	8.01	32.75	Peak	---
2	7680.000	41.44	-22.10	63.54	28.70	37.48	8.01	32.75	Average	---
3	10600.000	45.38	-18.16	63.54	29.43	39.52	9.04	32.61	Average	---
4	10600.000	58.86	-24.68	83.54	42.91	39.52	9.04	32.61	Peak	---
5	15960.000	59.19	-24.35	83.54	44.83	37.26	9.42	32.32	Peak	---
6	15960.000	46.23	-17.31	63.54	31.87	37.26	9.42	32.32	Average	---

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

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

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

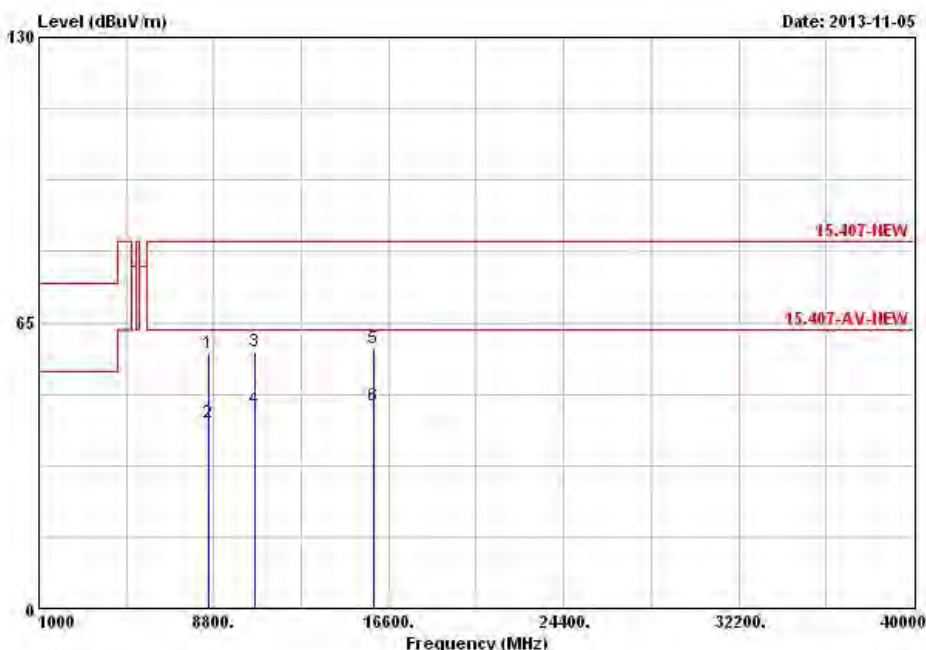
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5320
N_{TX}	2	Polarization	H



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp			
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		
1	8562.000	58.24	-25.30	83.54	44.51	38.62	7.95	32.84	Peak	---
2	8562.000	42.41	-21.13	63.54	28.68	38.62	7.95	32.84	Average	---
3	10640.000	58.64	-24.90	83.54	42.67	39.49	9.06	32.58	Peak	---
4	10640.000	45.39	-18.15	63.54	29.42	39.49	9.06	32.58	Average	---
5	15960.000	59.23	-24.31	83.54	44.87	37.26	9.42	32.32	Peak	---
6	15960.000	46.24	-17.30	63.54	31.88	37.26	9.42	32.32	Average	---

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

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

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

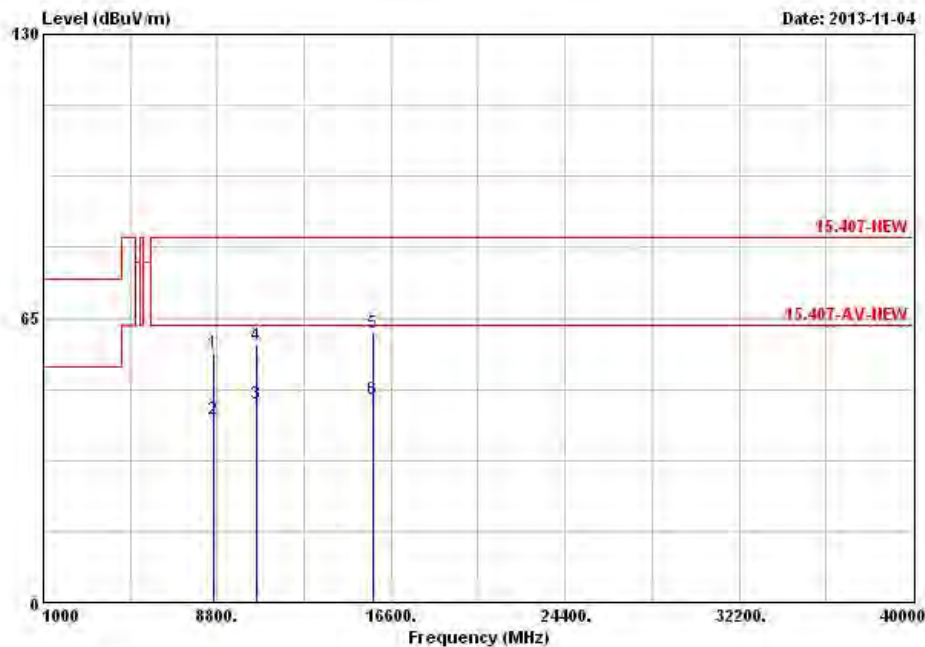
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT40	Test Freq. (MHz)	5270
N_{TX}	1	Polarization	V



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8634.000	57.22	-26.32	83.54	43.42	38.54	8.11	32.85	Peak	---	---
2	8634.000	42.05	-21.49	63.54	28.25	38.54	8.11	32.85	Average	---	---
3	10530.000	45.45	-18.09	63.54	29.52	39.57	9.00	32.64	Average	---	---
4	10530.000	58.83	-24.71	83.54	42.90	39.57	9.00	32.64	Peak	---	---
5	15810.000	61.65	-21.89	83.54	46.91	37.54	9.48	32.28	Peak	---	---
6	15810.000	46.57	-16.97	63.54	31.83	37.54	9.48	32.28	Average	---	---

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

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

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

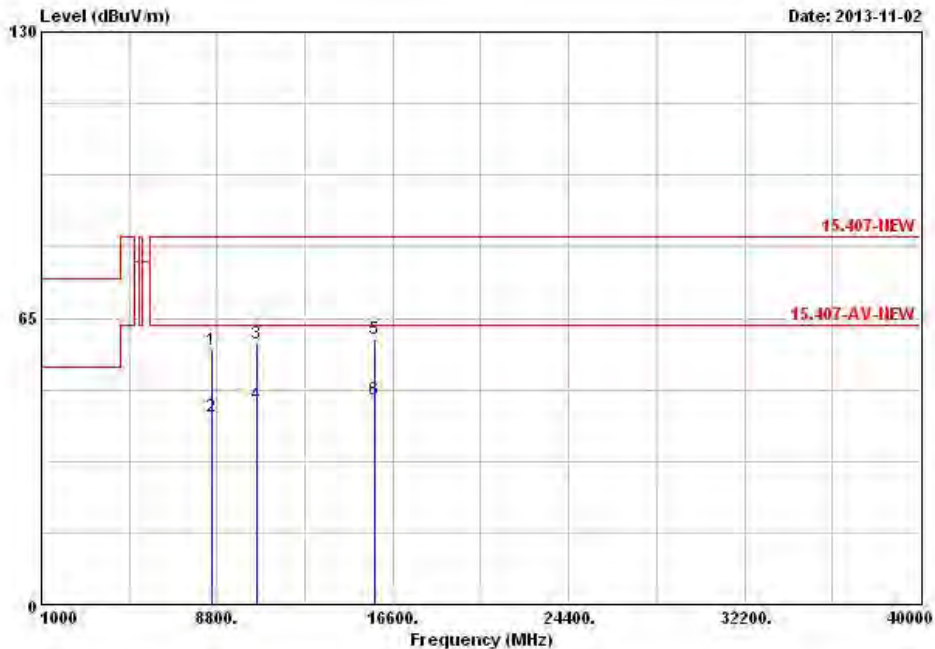
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT40	Test Freq. (MHz)	5270
N_{TX}	1	Polarization	H



	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8562.000	57.79	-25.75	83.54	44.06	38.62	7.95	32.84	Peak	---	---
2	8562.000	42.52	-21.02	63.54	28.79	38.62	7.95	32.84	Average	---	---
3	10540.000	59.03	-24.51	83.54	43.08	39.57	9.02	32.64	Peak	---	---
4	10540.000	45.53	-18.01	63.54	29.58	39.57	9.02	32.64	Average	---	---
5	15810.000	60.41	-23.13	83.54	45.67	37.54	9.48	32.28	Peak	---	---
6	15810.000	46.63	-16.91	63.54	31.89	37.54	9.48	32.28	Average	---	---

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

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

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

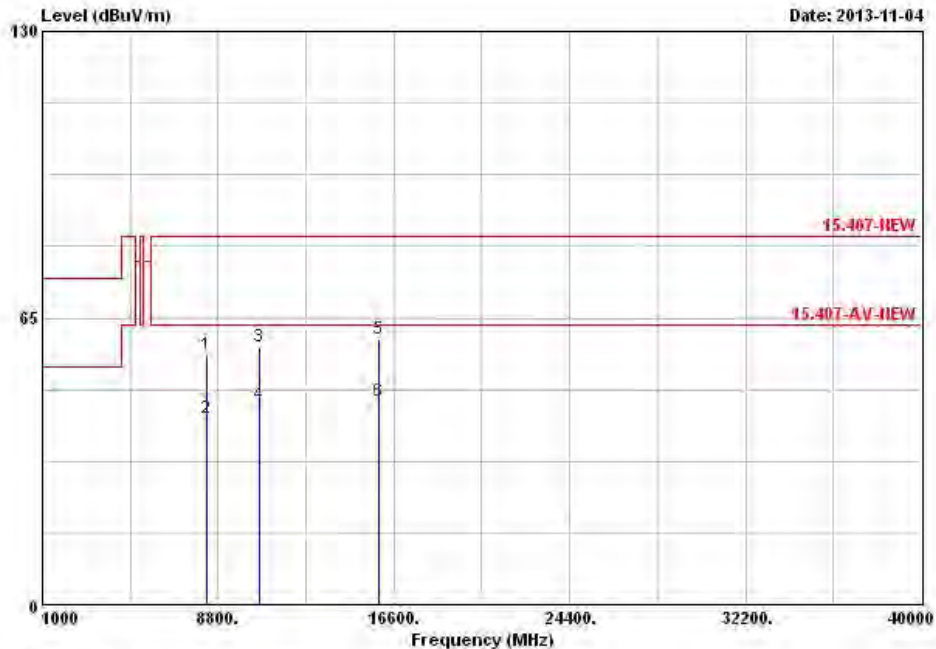
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT40	Test Freq. (MHz)	5310
N_{TX}	1	Polarization	V



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Rnt	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8286.000	56.89	-26.65	83.54	43.47	38.33	7.90	32.81	Peak	---
2	8286.000	42.11	-21.43	63.54	28.69	38.33	7.90	32.81	Average	---
3	10620.000	58.50	-25.04	83.54	42.53	39.50	9.06	32.59	Peak	---
4	10620.000	45.52	-18.02	63.54	29.55	39.50	9.06	32.59	Average	---
5	15930.000	60.28	-23.26	83.54	45.84	37.32	9.43	32.31	Peak	---
6	15930.000	46.24	-17.30	63.54	31.80	37.32	9.43	32.31	Average	---

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

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

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

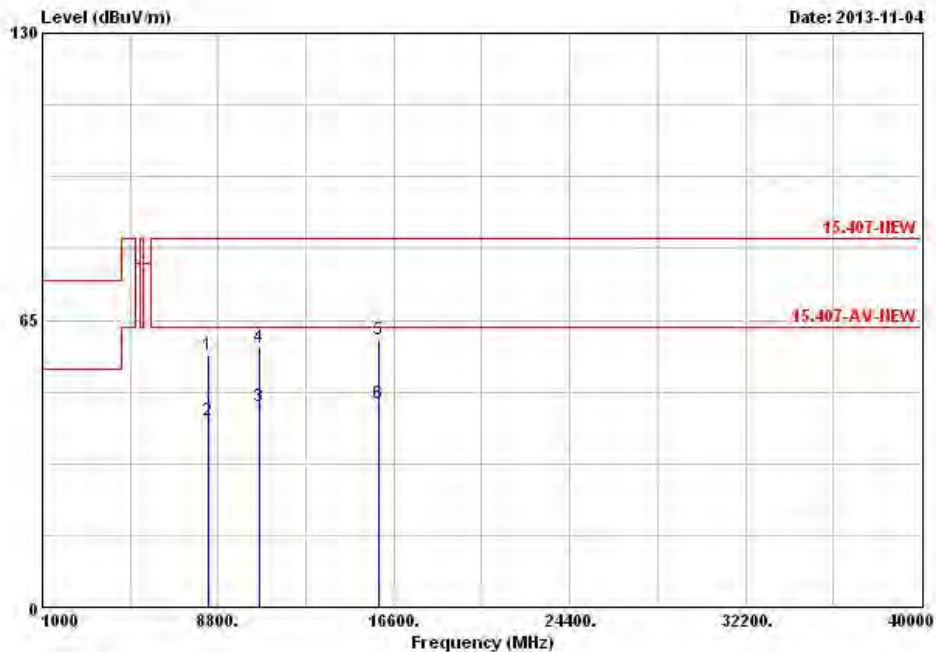
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT40	Test Freq. (MHz)	5310
N_{TX}	1	Polarization	H



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8328.000	57.15	-26.39	83.54	43.70	38.39	7.87	32.81	Peak	---	---
2	8328.000	42.26	-21.28	63.54	28.81	38.39	7.87	32.81	Average	---	---
3	10620.000	45.42	-18.12	63.54	29.45	39.50	9.06	32.59	Average	---	---
4	10620.000	58.89	-24.65	83.54	42.92	39.50	9.06	32.59	Peak	---	---
5	15930.000	60.75	-22.79	83.54	46.31	37.32	9.43	32.31	Peak	---	---
6	15930.000	46.24	-17.30	63.54	31.80	37.32	9.43	32.31	Average	---	---

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

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

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

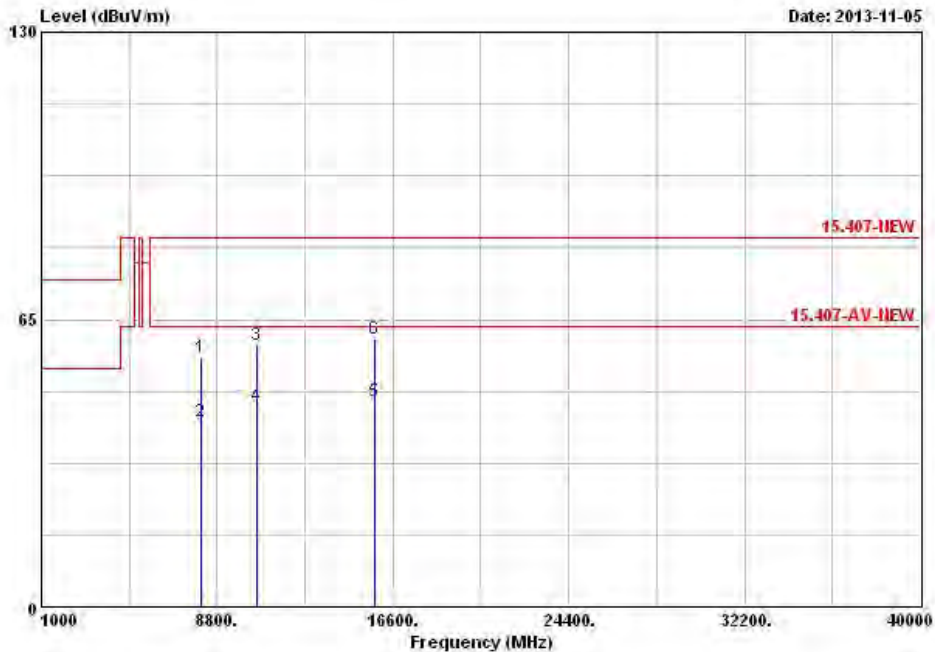
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT40	Test Freq. (MHz)	5270
N_{TX}	2	Polarization	V



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8118.000	56.53	-27.01	83.54	43.33	38.02	7.98	32.80	Peak	---
2	8118.000	41.94	-21.60	63.54	28.74	38.02	7.98	32.80	Average	---
3	10540.000	59.09	-24.45	83.54	43.14	39.57	9.02	32.64	Peak	---
4	10540.000	45.43	-18.11	63.54	29.48	39.57	9.02	32.64	Average	---
5	15810.000	46.62	-16.92	63.54	31.88	37.54	9.48	32.28	Average	---
6	15810.000	60.76	-22.78	83.54	46.02	37.54	9.48	32.28	Peak	---

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

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

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

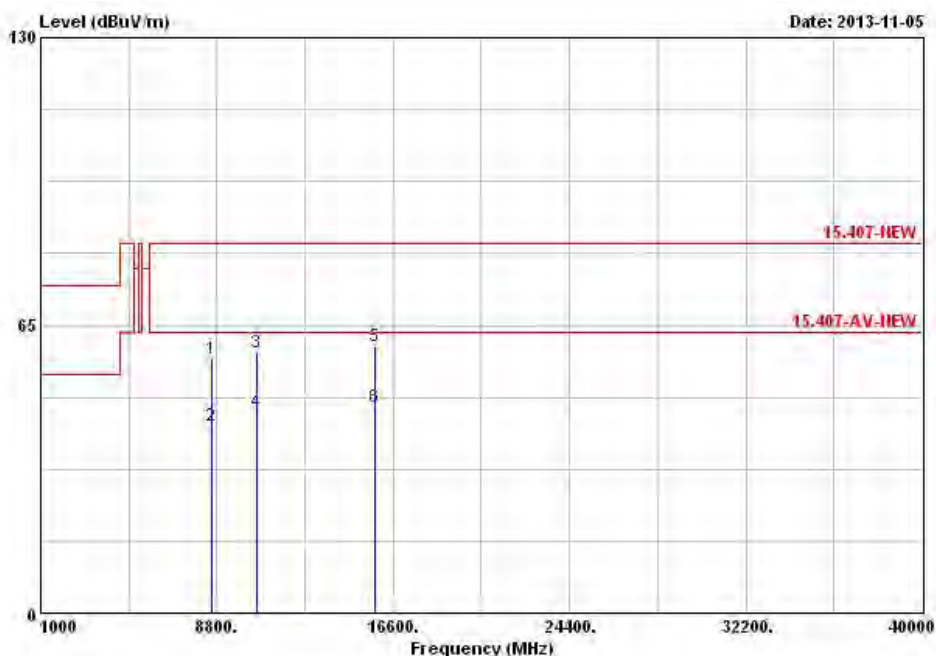
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT40	Test Freq. (MHz)	5270
N_{TX}	2	Polarization	H



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8580.000	57.42	-26.12	83.54	43.71	38.60	7.95	32.84	Peak	---	---
2	8580.000	42.39	-21.15	63.54	28.68	38.60	7.95	32.84	Average	---	---
3	10540.000	58.86	-24.68	83.54	42.91	39.57	9.02	32.64	Peak	---	---
4	10540.000	45.43	-18.11	63.54	29.48	39.57	9.02	32.64	Average	---	---
5	15810.000	60.41	-23.13	83.54	45.67	37.54	9.48	32.28	Peak	---	---
6	15810.000	46.65	-16.89	63.54	31.91	37.54	9.48	32.28	Average	---	---

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

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

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

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

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

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