

FCC Test Report

Equipment : Personal Computer
Brand Name : SONY
Model No. : SVF13NA1UL
FCC ID : AK8SVF13NA1UL
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
RF Module : Intel / 7260NGW AN

The product sample received on Aug. 08, 2013 and completely tested on Sep. 28, 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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APPENDIX A. TEST PHOTOS		
APPENDIX B. PHOTOGRAPHS OF EUT		

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]: 0.1834550MHz 43.36 (Margin 10.97dB) - AV 59.02 (Margin 5.31dB) - QP	FCC 15.207	Complied
3.2	15.407(a)	Emission Bandwidth	Bandwidth [MHz] 20M:25.35 / 40M:43.76	Information only	Complied
3.3	15.407(a)	RF Output Power (Maximum Conducted Output Power)	Power [dBm] 5150-5250MHz:13.99 5250-5350MHz:14.37 5470-5725MHz:14.96	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:3.07 5250-5350MHz:3.21 5470-5725MHz:3.79	PPSD [dBm/MHz] 5150-5250MHz:4 5250-5350MHz:11 5470-5725MHz:11	Complied
3.5	15.407(a)	Peak Excursion	8.32dB	13 dB	Complied
3.6	15.407(b)	Transmitter Bandedge Emissions	Restricted Bands [dBuV/m at 1m]: 5470.000MHz 77.04 (Margin 6.50dB) - PK 62.52 (Margin 1.02dB) - AV	Non-Restricted Bands: ≤ -27dBm (77.84dBuV/m@1m) Restricted Bands: FCC 15.209	Complied
3.7	15.407(b)	Transmitter Radiated Unwanted Emissions	Restricted Bands [dBuV/m at 1m]: 71.71MHz 35.73 (Margin 4.27dB) - PK	Non-Restricted Bands: ≤ -27dBm (68.3dBuV/m@3m) Restricted Bands: FCC 15.209	Complied
3.8	15.407(g)	Frequency Stability	4.7780 ppm	Signal shall remain in-band	Complied



SPORTON INTERNATIONAL INC.
TEL : 886-3-327-3456
FAX : 886-3-327-0973

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)	Co-location
5150-5250	a	5180-5240	36-48 [4]	1	13.99	Yes
5250-5350		5260-5320	52-64 [4]	1	14.37	Yes
5470-5725		5500-5700	100-140 [8]	1	14.89	Yes
5150-5250	n (HT20)	5180-5240	36-48 [4]	1	13.98	Yes
5250-5350		5260-5320	52-64 [4]	1	14.35	Yes
5470-5725		5500-5700	100-140 [8]	1	14.96	Yes
5150-5250	n (HT20)	5180-5240	36-48 [4]	2	10.80	Yes
5250-5350		5260-5320	52-64 [4]	2	11.42	Yes
5470-5725		5500-5700	100-140 [8]	2	11.86	Yes
5150-5250	n (HT40)	5190-5230	38-46 [2]	1	13.73	Yes
5250-5350		5270-5310	54-62 [2]	1	10.77	Yes
5470-5725		5510-5670	102-134 [3]	1	14.82	Yes
5150-5250	n (HT40)	5190-5230	38-46 [2]	2	10.69	Yes
5250-5350		5270-5310	54-62 [2]	2	9.00	Yes
5470-5725		5510-5670	102-134 [3]	2	11.71	Yes

Note 1: RF output power specifies that Maximum Conducted Output Power.
Note 2: 802.11a/n uses a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
Note 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			
Antenna Port	Ant. Cat.	Ant. Type	Gain (dBi)
1	Integral	PIFA	1.07
2	Integral	PIFA	0.18

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
☒ 98.00% - IEEE 802.11n (HT20)	1	0.09
☒ 98.00% - IEEE 802.11n (HT20)	2	0.09
☒ 96.00% - IEEE 802.11n (HT40)	1	0.09
☒ 96.00% - IEEE 802.11n (HT40)	2	0.18

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		16.0.0.49	
Communication Mode		☒ IP 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

1.2 Accessories

Accessories Information				
AC Adapter	Brand Name	SONY	Model Name	VGP-AC19V73
	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-BPS41

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	Printer	EPSON	C61	DoC
2	(USB) Mouse	Microsoft	1004	DoC
3	Identity Badge	-	-	-
4	Wireless AP (Remote Workstation)	ASUS	RT-AC66U	MSQ-RTAC66U
5	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 v01r03
- ◆ FCC KDB 644545 D01
- ◆ FCC KDB 662911 v02
- ◆ FCC KDB 412172

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	22°C / 57%
RF Conducted		TH01-HY	Wei	25°C / 65%
Radiated Emission		03CH02-HY	Daniel	26°C / 58%

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	Limit
AC power-line conducted emissions		±2.26 dB	N/A
Emission bandwidth		±1.42 %	N/A
RF output power, conducted		±0.63 dB	N/A
Power density, conducted		±0.81 dB	N/A
Unwanted emissions, conducted	30 – 1000 MHz	±0.51 dB	N/A
	1 – 18 GHz	±0.67 dB	N/A
	18 – 40 GHz	±0.83 dB	N/A
	40 – 200 GHz	N/A	N/A
All emissions, radiated	30 – 1000 MHz	±2.56 dB	N/A
	1 – 18 GHz	±3.59 dB	N/A
	18 – 40 GHz	±3.82 dB	N/A
	40 – 200 GHz	N/A	N/A
Temperature		±0.8 °C	N/A
Humidity		±3 %	N/A
DC and low frequency voltages		±3 %	N/A
Time		±1.42 %	N/A
Duty Cycle		±1.42 %	N/A

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

2.2 The Worst Case Power Setting Parameter

The Worst Case Power Setting Parameter (5150-5250MHz band)						
Test Software Version	DRTU					
Modulation Mode	N _{TX}	Test Frequency (MHz)				
		NCB: 20MHz			NCB: 40MHz	
		5180	5200	5240	5190	5230
11a,6-54Mbps	1	29	32	31.5	-	-
HT20,M0-7	1	31.5	37	36	-	-
HT20,M8-15	2	29.5,29.5	27,27	30,30	-	-
HT40,M0-7	1	-	-	-	30	35.5
HT40,M8-15	2	-	-	-	25,25	30,30

The Worst Case Power Setting Parameter (5250-5350MHz band)						
Test Software Version	DRTU					
Modulation Mode	N _{TX}	Test Frequency (MHz)				
		NCB: 20MHz			NCB: 40MHz	
		5260	5300	5320	5270	5310
11a,6-54Mbps	1	36.5	39	31.5	-	-
HT20,M0-7	1	36	36	31.5	-	-
HT20,M8-15	2	30,30	31.5,31.5	30,30	-	-
HT40,M0-7	1	-	-	-	27.5	31
HT40,M8-15	2	-	-	-	25,25	28,28

The Worst Case Power Setting Parameter (5470-5725MHz band)							
Test Software Version	DRTU						
Modulation Mode	N _{TX}	Test Frequency (MHz)					
		NCB: 20MHz			NCB: 40MHz		
		5500	5580	5700	5510	5550	5670
11a,6-54Mbps	1	30.5	37	28	-	-	-
HT20,M0-7	1	30.5	35.5	30.5	-	-	-
HT20,M8-15	2	26,26	30.5,30.5	27.5,27.5	-	-	-
HT40,M0-7	1	-	-	-	27.5	36.5	36
HT40,M8-15	2	-	-	-	23.5,23.5	30.5,30.5	30.5,30.5

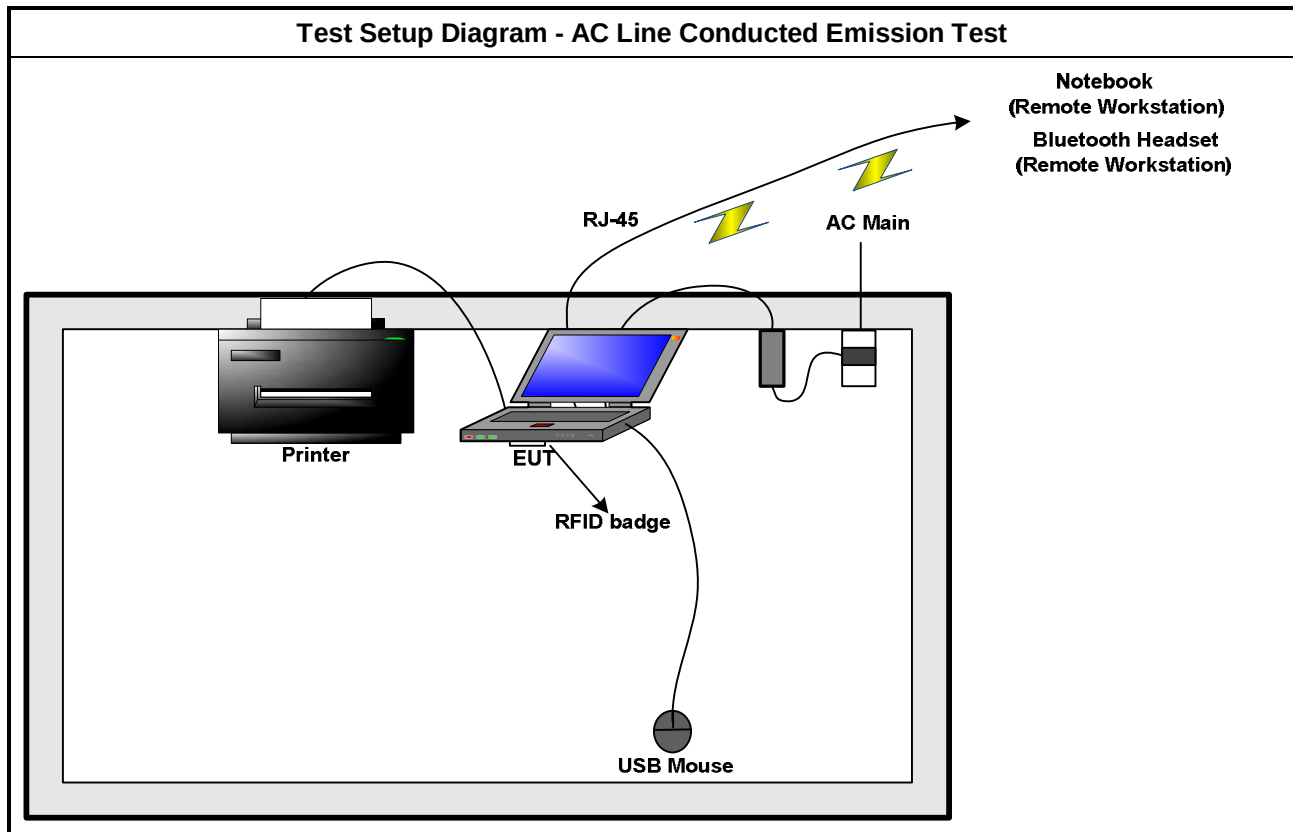
2.3 The Worst Case Measurement Configuration

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

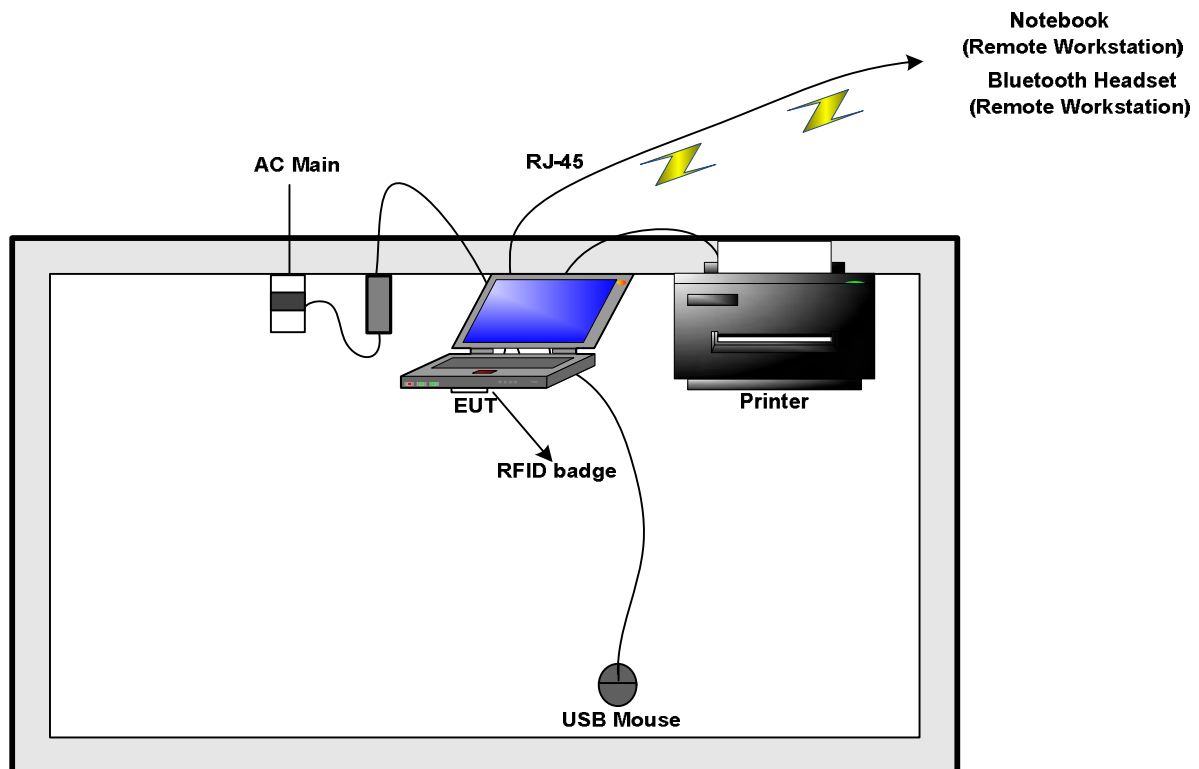
The Worst Case Mode for Following Conformance Tests	
Tests Item	RF Output Power, Peak Power Spectral Density, Emission Bandwidth, Peak Excursion
Test Condition	Conducted measurement at transmit chains
Modulation Mode	11a, HT20, HT40

The Worst Case Mode for Following Conformance Tests			
Tests Item	Transmitter Radiated Unwanted Emissions Transmitter Radiated Bandedge Emissions		
Test Condition	Radiated measurement		
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 X.		
	☐ 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	☒ 1. AC Power & Radio Link		
Modulation Mode	11a, HT20, HT40		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			

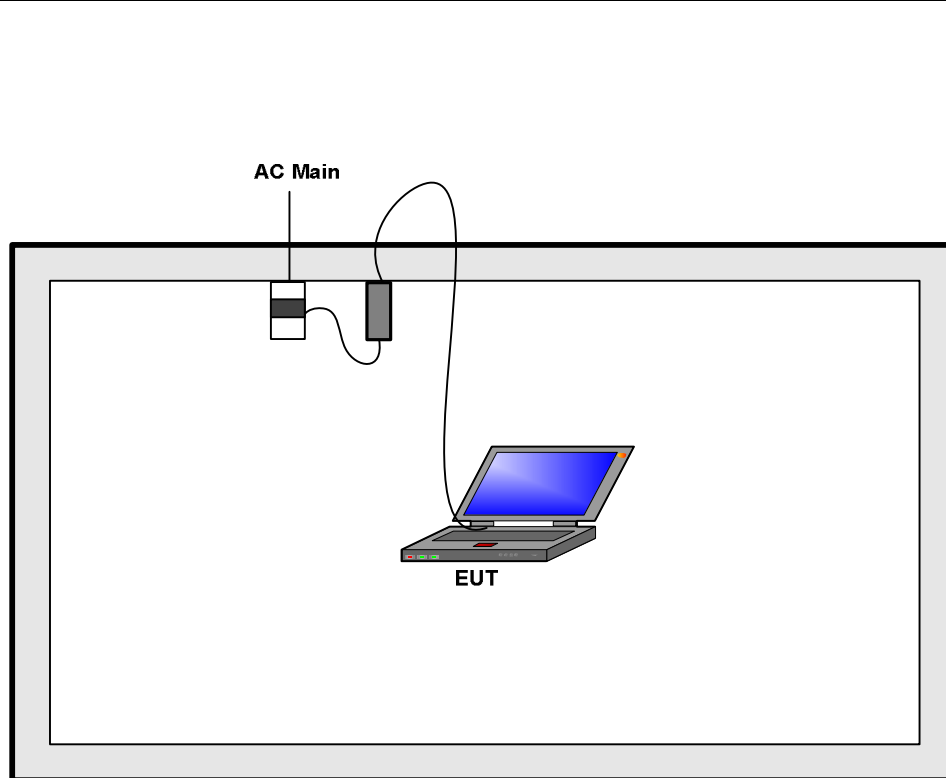
2.4 Test Setup Diagram



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.

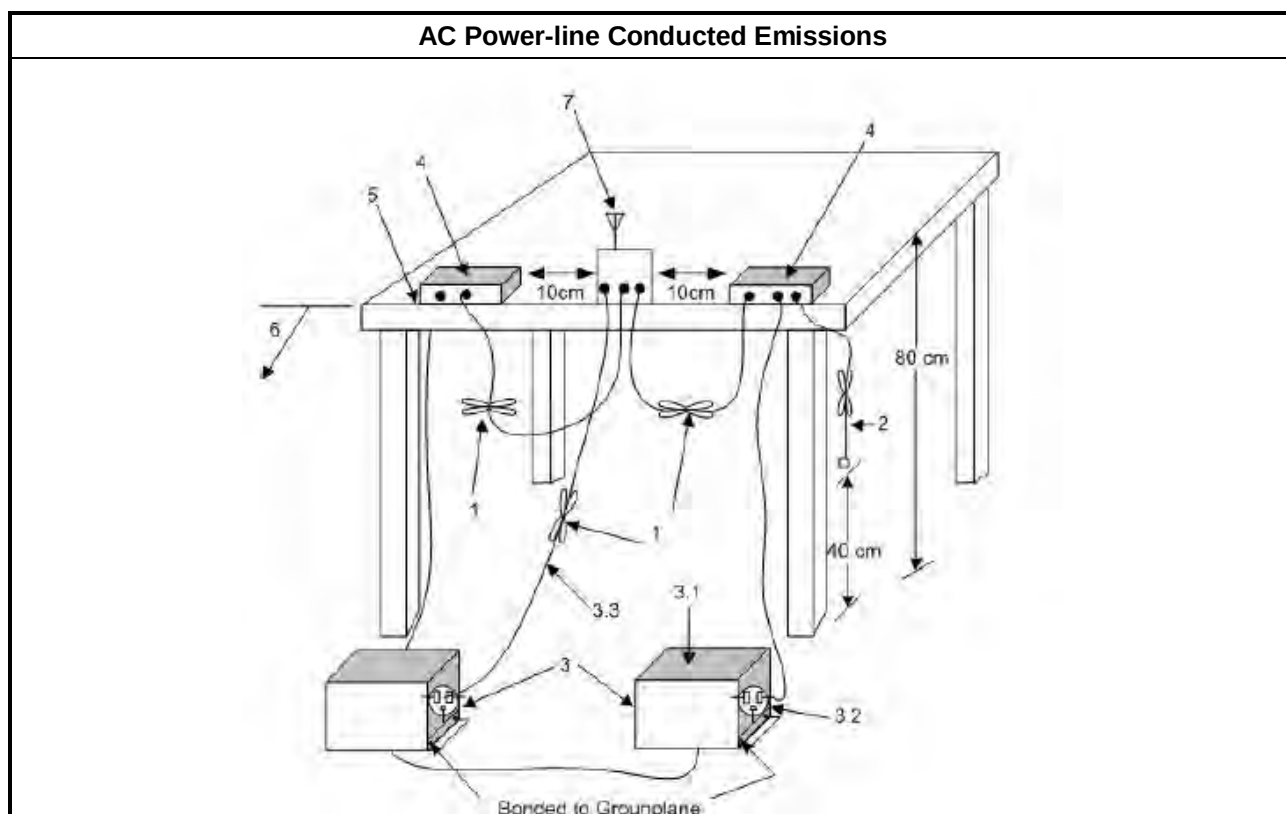
3.1.2 Measuring Instruments

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

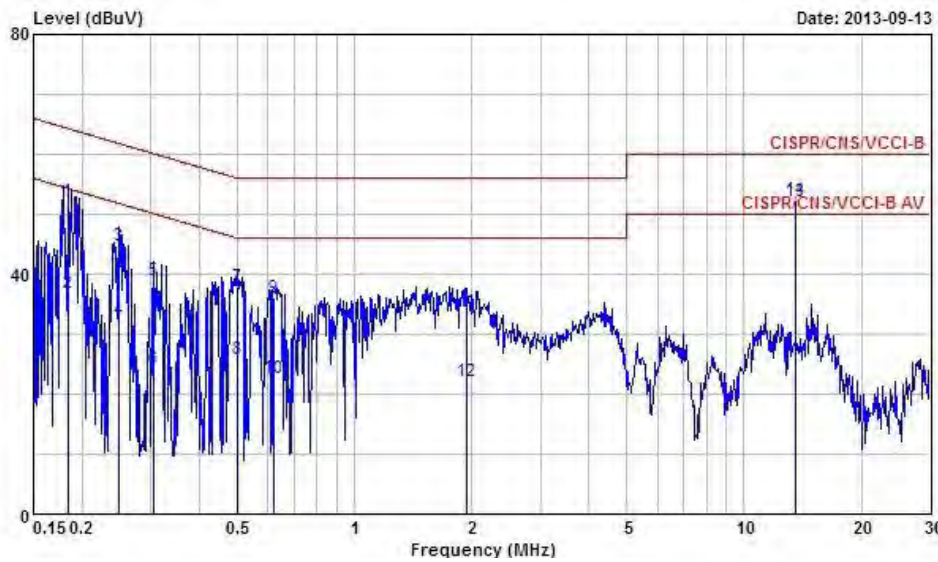
3.1.3 Test Procedures

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

3.1.4 Test Setup

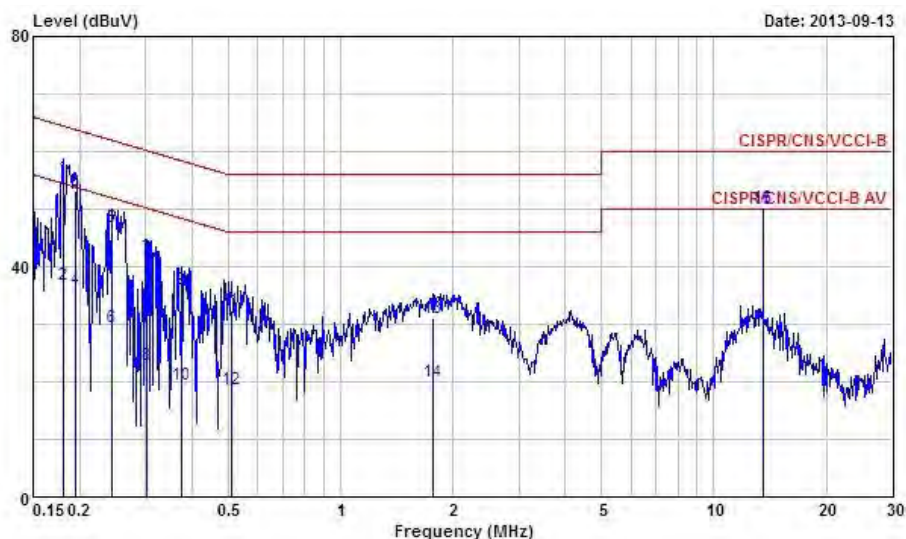


3.1.5 Test Result of AC Power-line Conducted Emissions

AC Power-line Conducted Emissions Result																																																																																																																																																																
Operating Mode	1			Power Phase	Neutral																																																																																																																																																											
Operating Function	AC Power & Radio link with AP the NFC is normal function with antenna																																																																																																																																																															
Level (dBuV) Date: 2013-09-13  <table><tr><th></th><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>Read</th><th>LISN</th><th>Cable</th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV</th><th>Limit</th><th>Line</th><th>Level</th><th>Factor</th><th>Loss</th><th>Remark</th></tr><tr><th></th><th></th><th></th><th>dB</th><th>dBuV</th><th>dBuV</th><th>dB</th><th>dB</th><th></th></tr><tr><td>1</td><td>0.1844300</td><td>52.03</td><td>-12.25</td><td>64.28</td><td>51.65</td><td>0.23</td><td>0.15</td><td>QP</td></tr><tr><td>2</td><td>0.1844300</td><td>36.96</td><td>-17.32</td><td>54.28</td><td>36.58</td><td>0.23</td><td>0.15</td><td>Average</td></tr><tr><td>3</td><td>0.2494540</td><td>44.80</td><td>-16.98</td><td>61.78</td><td>44.47</td><td>0.23</td><td>0.10</td><td>QP</td></tr><tr><td>4</td><td>0.2494540</td><td>32.29</td><td>-19.49</td><td>51.78</td><td>31.96</td><td>0.23</td><td>0.10</td><td>Average</td></tr><tr><td>5</td><td>0.3050910</td><td>38.94</td><td>-21.16</td><td>60.10</td><td>38.62</td><td>0.22</td><td>0.10</td><td>QP</td></tr><tr><td>6</td><td>0.3050910</td><td>24.11</td><td>-25.99</td><td>50.10</td><td>23.79</td><td>0.22</td><td>0.10</td><td>Average</td></tr><tr><td>7</td><td>0.5020260</td><td>37.96</td><td>-18.04</td><td>56.00</td><td>37.62</td><td>0.22</td><td>0.12</td><td>QP</td></tr><tr><td>8</td><td>0.5020260</td><td>25.77</td><td>-20.23</td><td>46.00</td><td>25.43</td><td>0.22</td><td>0.12</td><td>Average</td></tr><tr><td>9</td><td>0.6205370</td><td>35.93</td><td>-20.07</td><td>56.00</td><td>35.56</td><td>0.22</td><td>0.15</td><td>QP</td></tr><tr><td>10</td><td>0.6205370</td><td>22.61</td><td>-23.39</td><td>46.00</td><td>22.24</td><td>0.22</td><td>0.15</td><td>Average</td></tr><tr><td>11</td><td>1.950</td><td>33.70</td><td>-22.30</td><td>56.00</td><td>33.15</td><td>0.25</td><td>0.30</td><td>QP</td></tr><tr><td>12</td><td>1.950</td><td>22.18</td><td>-23.82</td><td>46.00</td><td>21.63</td><td>0.25</td><td>0.30</td><td>Average</td></tr><tr><td>13</td><td>13.560</td><td>52.22</td><td>-7.78</td><td>60.00</td><td>51.57</td><td>0.48</td><td>0.17</td><td>QP</td></tr><tr><td>14</td><td>13.560</td><td>52.47</td><td>2.47</td><td>50.00</td><td>51.82</td><td>0.48</td><td>0.17</td><td>Average</td></tr></table> → This frequency is NFC signal.									Freq	Level	Over	Limit	Read	LISN	Cable			MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark				dB	dBuV	dBuV	dB	dB		1	0.1844300	52.03	-12.25	64.28	51.65	0.23	0.15	QP	2	0.1844300	36.96	-17.32	54.28	36.58	0.23	0.15	Average	3	0.2494540	44.80	-16.98	61.78	44.47	0.23	0.10	QP	4	0.2494540	32.29	-19.49	51.78	31.96	0.23	0.10	Average	5	0.3050910	38.94	-21.16	60.10	38.62	0.22	0.10	QP	6	0.3050910	24.11	-25.99	50.10	23.79	0.22	0.10	Average	7	0.5020260	37.96	-18.04	56.00	37.62	0.22	0.12	QP	8	0.5020260	25.77	-20.23	46.00	25.43	0.22	0.12	Average	9	0.6205370	35.93	-20.07	56.00	35.56	0.22	0.15	QP	10	0.6205370	22.61	-23.39	46.00	22.24	0.22	0.15	Average	11	1.950	33.70	-22.30	56.00	33.15	0.25	0.30	QP	12	1.950	22.18	-23.82	46.00	21.63	0.25	0.30	Average	13	13.560	52.22	-7.78	60.00	51.57	0.48	0.17	QP	14	13.560	52.47	2.47	50.00	51.82	0.48	0.17	Average
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11	1.950	33.70	-22.30	56.00	33.15	0.25	0.30	QP																																																																																																																																																								
12	1.950	22.18	-23.82	46.00	21.63	0.25	0.30	Average																																																																																																																																																								
13	13.560	52.22	-7.78	60.00	51.57	0.48	0.17	QP																																																																																																																																																								
14	13.560	52.47	2.47	50.00	51.82	0.48	0.17	Average																																																																																																																																																								
Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit. Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)																																																																																																																																																																

AC Power-line Conducted Emissions Result

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



	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1	0.1805620	55.52	-8.94	64.46	55.25	0.11	0.16	QP
2	0.1805620	36.86	-17.60	54.46	36.59	0.11	0.16	Average
3	0.1944650	53.03	-10.81	63.84	52.81	0.11	0.11	QP
4	0.1944650	35.96	-17.88	53.84	35.74	0.11	0.11	Average
5	0.2429320	46.86	-15.14	62.00	46.65	0.11	0.10	QP
6	0.2429320	29.45	-22.55	52.00	29.24	0.11	0.10	Average
7	0.3034790	41.54	-18.61	60.15	41.34	0.10	0.10	QP
8	0.3034790	23.02	-27.13	50.15	22.82	0.10	0.10	Average
9	0.3751190	36.07	-22.32	58.39	35.87	0.10	0.10	QP
10	0.3751190	19.37	-29.02	48.39	19.17	0.10	0.10	Average
11	0.5100690	32.29	-23.71	56.00	32.06	0.10	0.13	QP
12	0.5100690	18.60	-27.40	46.00	18.37	0.10	0.13	Average
13	1.760	31.04	-24.96	56.00	30.63	0.13	0.28	QP
14	1.760	19.96	-26.04	46.00	19.55	0.13	0.28	Average
15	13.560	50.08	-9.92	60.00	49.64	0.27	0.17	QP
16 X	13.560	50.18	0.18	50.00	49.74	0.27	0.17	Average

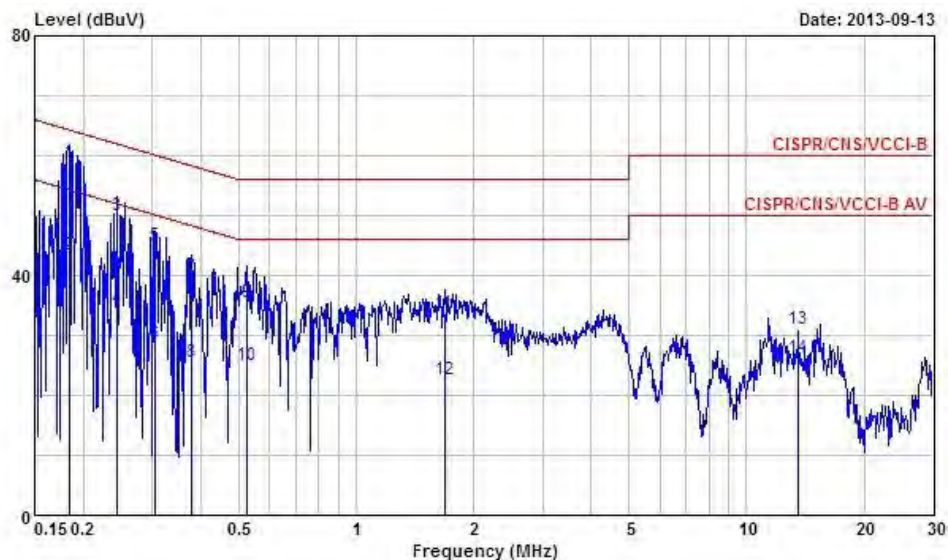
→ This frequency is NFC signal.

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.)

AC Power-line Conducted Emissions Result

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

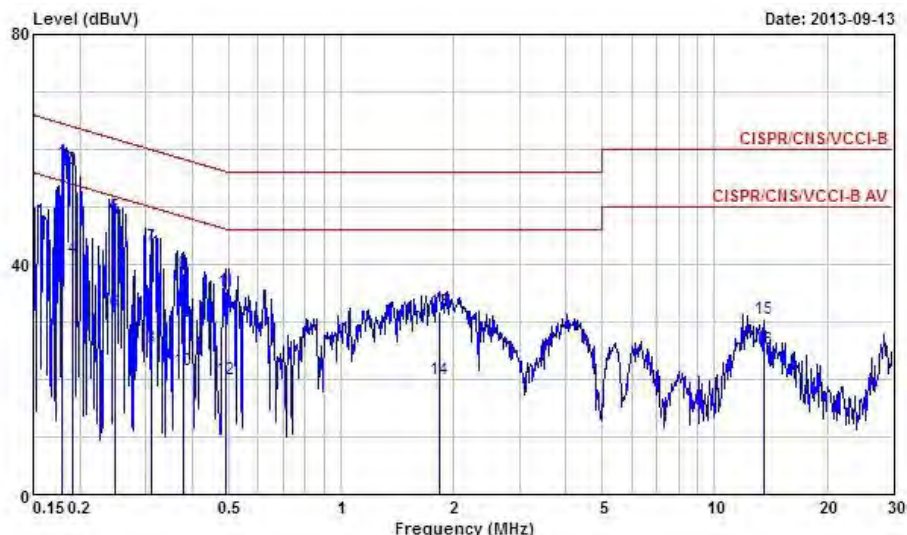


	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1	0.1834550	59.02	-5.31	64.33	58.64	0.23	0.15	QP
2	0.1834550	43.36	-10.97	54.33	42.98	0.23	0.15	Average
3	0.2429320	50.10	-11.90	62.00	49.77	0.23	0.10	QP
4	0.2429320	34.57	-17.43	52.00	34.24	0.23	0.10	Average
5	0.3050910	45.00	-15.10	60.10	44.68	0.22	0.10	QP
6	0.3050910	28.55	-21.55	50.10	28.23	0.22	0.10	Average
7	0.3771120	39.86	-18.48	58.34	39.54	0.22	0.10	QP
8	0.3771120	25.51	-22.83	48.34	25.19	0.22	0.10	Average
9	0.5237620	35.61	-20.39	56.00	35.26	0.22	0.13	QP
10	0.5237620	24.90	-21.10	46.00	24.55	0.22	0.13	Average
11	1.680	33.77	-22.23	56.00	33.24	0.25	0.28	QP
12	1.680	22.53	-23.47	46.00	22.00	0.25	0.28	Average
13	13.560	31.08	-28.92	60.00	30.43	0.48	0.17	QP
14	13.560	26.19	-23.81	50.00	25.54	0.48	0.17	Average

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

AC Power-line Conducted Emissions Result

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



	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1	0.1786590	57.59	-6.96	64.55	57.31	0.11	0.17	QP
2	0.1786590	37.13	-17.42	54.55	36.85	0.11	0.17	Average
3	0.1903870	56.55	-7.47	64.02	56.31	0.11	0.13	QP
4	0.1903870	41.16	-12.86	54.02	40.92	0.11	0.13	Average
5	0.2494540	48.30	-13.48	61.78	48.09	0.11	0.10	QP
6	0.2494540	31.77	-20.01	51.78	31.56	0.11	0.10	Average
7	0.3099790	43.25	-16.72	59.97	43.05	0.10	0.10	QP
8	0.3099790	25.42	-24.55	49.97	25.22	0.10	0.10	Average
9	0.3791160	38.29	-20.01	58.30	38.09	0.10	0.10	QP
10	0.3791160	21.45	-26.85	48.30	21.25	0.10	0.10	Average
11	0.4914980	35.15	-20.99	56.14	34.93	0.10	0.12	QP
12	0.4914980	20.09	-26.05	46.14	19.87	0.10	0.12	Average
13	1.840	31.82	-24.18	56.00	31.40	0.13	0.29	QP
14	1.840	20.02	-25.98	46.00	19.60	0.13	0.29	Average
15	13.560	30.51	-29.49	60.00	30.07	0.27	0.17	QP
16	13.560	25.98	-24.62	50.00	24.94	0.27	0.17	Average

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

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth (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 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 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
☒	For the 5.47-5.725 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
☐	For the 5.725-5.825 GHz band, the maximum conducted output power shall not exceed the lesser of 1 W or 17 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.

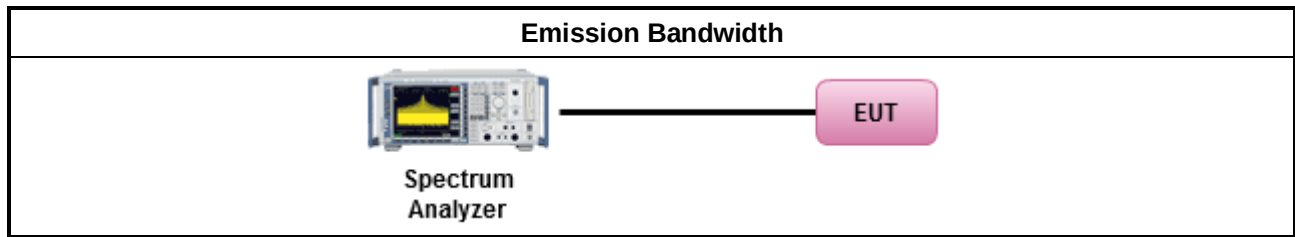
3.2.2 Measuring Instruments

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



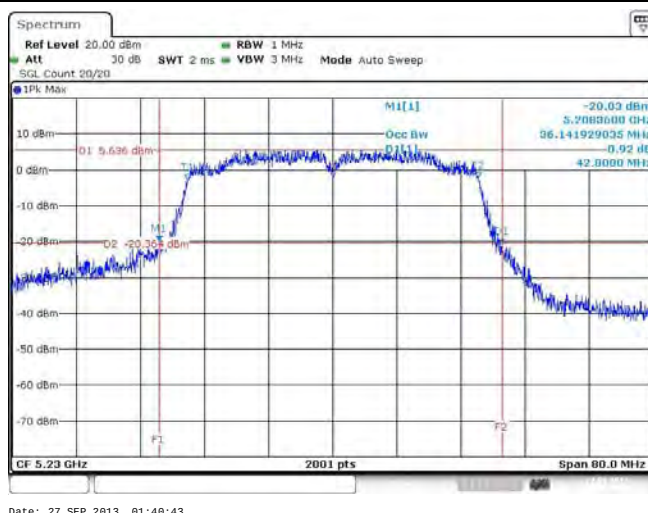
3.2.5 Test Result of Emission Bandwidth

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	16.94	-	22.30	-	16.29	17.48
11a	1	5200	16.69	-	21.60	-	16.22	17.34
11a	1	5240	16.66	-	22.25	-	16.22	17.47
HT20	1	5180	18.09	-	22.90	-	16.57	17.60
HT20	1	5200	17.99	-	21.77	-	16.55	17.38
HT20	1	5240	17.89	-	22.60	-	16.53	17.54
HT20	2	5180	18.01	17.84	23.77	21.72	16.51	17.37
HT20	2	5200	17.84	17.69	22.07	20.35	16.48	17.09
HT20	2	5240	18.16	17.91	22.80	22.22	16.53	17.47
HT40	1	5190	36.06	-	41.88	-	19.57	20.22
HT40	1	5230	36.10	-	42.72	-	19.58	20.31
HT40	2	5190	36.14	36.06	41.32	42.16	19.57	20.16
HT40	2	5230	36.14	35.98	42.80	42.36	19.56	20.27
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	16.91	-	23.85	-	23.28	24.77
11a	1	5300	16.76	-	23.62	-	23.24	24.73
11a	1	5320	16.66	-	21.15	-	23.22	24.25
HT20	1	5260	18.04	-	24.55	-	23.56	24.90
HT20	1	5300	17.89	-	23.10	-	23.53	24.64
HT20	1	5320	17.96	-	22.30	-	23.54	24.48
HT20	2	5260	17.96	17.79	23.02	22.07	23.50	24.44
HT20	2	5300	18.24	17.86	25.35	22.37	23.52	24.50
HT20	2	5320	17.96	17.76	23.22	22.27	23.49	24.48
HT40	1	5270	36.14	-	42.60	-	26.58	27.29
HT40	1	5310	36.02	-	41.60	-	26.57	27.19
HT40	2	5270	36.10	36.10	42.28	40.96	26.58	27.12
HT40	2	5310	36.10	36.06	41.32	41.20	26.57	27.15
Result			Complied					
Note 1: N _{TX} = Number of Transmit Chains								

UNII Emission Bandwidth Result (5470-5725MHzMHz band)

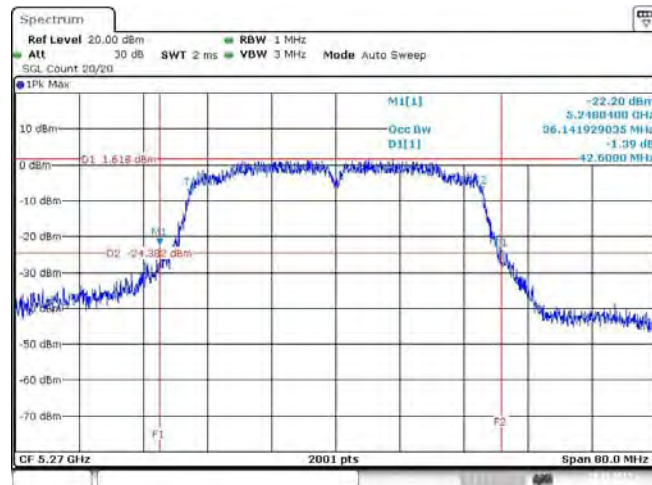
Condition			Emission Bandwidth (MHz)					
Modulation Mode	N _{TX}	Freq. (MHz)	99% Bandwidth		26dB Bandwidth		Power Limit	
			Chain Port 1	Chain Port 2	Chain Port 1	Chain Port 2	99% BW	26dB BW
11a	1	5500	16.86	-	21.62	-	23.27	24.35
11a	1	5580	16.84	-	22.52	-	23.26	24.53
11a	1	5700	16.59	-	22.42	-	23.20	24.51
HT20	1	5500	17.91	-	22.17	-	23.53	24.46
HT20	1	5580	17.86	-	24.10	-	23.52	24.82
HT20	1	5700	17.91	-	22.32	-	23.53	24.49
HT20	2	5500	17.91	18.09	22.92	22.45	23.53	24.51
HT20	2	5580	17.94	18.14	23.35	23.60	23.54	24.68
HT20	2	5700	17.91	17.84	22.72	22.55	23.51	24.53
HT40	1	5510	35.98	-	42.76	-	26.56	27.31
HT40	1	5550	36.26	-	43.76	-	26.59	27.41
HT40	1	5670	36.18	-	43.56	-	26.58	27.39
HT40	2	5510	36.10	36.06	41.16	41.16	26.57	27.14
HT40	2	5550	36.14	36.10	43.20	41.88	26.58	27.22
HT40	2	5670	36.06	35.98	41.08	40.76	26.56	27.10
Result			Complied					
Note 1: N _{TX} = Number of Transmit Chains								

5150-5250MHz - Worst Emission 26dB Bandwidth Plots


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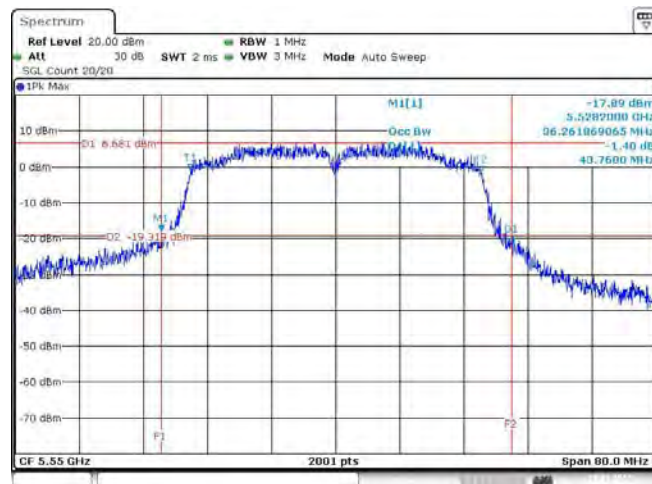


5250-5350MHz - Worst Emission 26dB Bandwidth Plots



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5470-5725MHz - Worst Emission 26dB Bandwidth Plots



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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.	

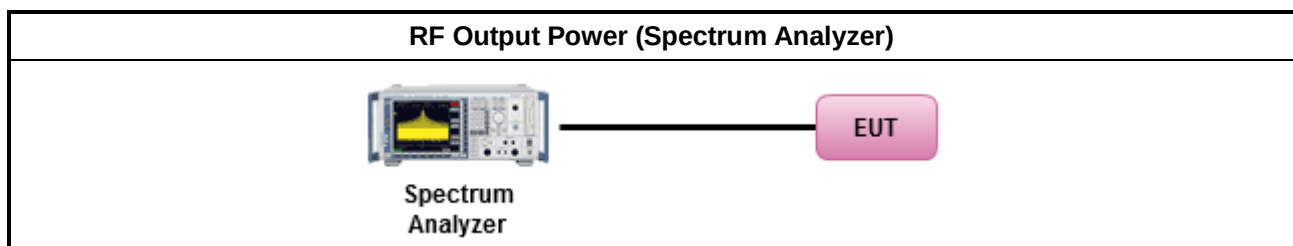
3.3.2 Measuring Instruments

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)	1.07	0.18	-	-
Modulation Mode	N_{TX}	N_{SS} (Min.)	Array Gain (dB)	Power DG (dBi) Note ³
11a,6-54Mbps	1	1	-	1.07
HT20,M0-M7	1	1	-	1.07
HT20,M8-M15	2	2	0	0.65
HT40, M0-M7	1	1	-	1.07
HT40, M8-M15	2	2	0	0.65
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 Output Power

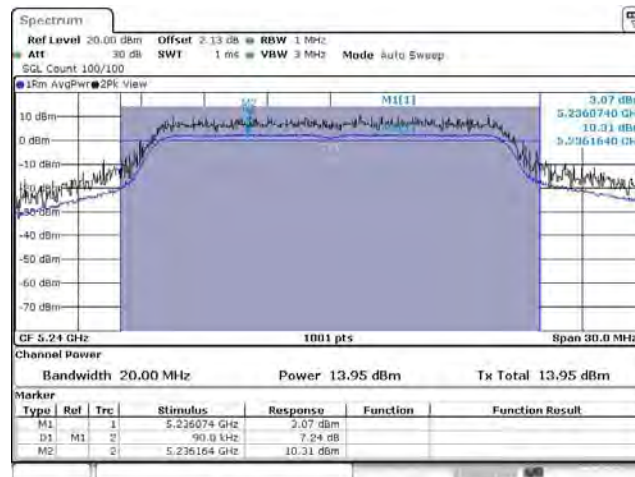
Maximum Conducted Output Power Result									
Condition			RF Output Power (dBm)						
Modulation Mode	N _{TX}	Freq. (MHz)	Chain Port 1	Chain Port 2	Sum Chain	Power Limit	DG (dBi)	EIRP Power	EIRP Limit
11a	1	5180	11.79	-	11.79	17.00	1.07	12.86	22.24
11a	1	5200	13.82	-	13.82	17.00	1.07	14.89	22.36
11a	1	5240	13.99	-	13.99	17.00	1.07	15.06	22.46
HT20	1	5180	11.95	-	11.95	17.00	1.07	13.02	22.57
HT20	1	5200	13.89	-	13.89	17.00	1.07	14.96	22.55
HT20	1	5240	13.98	-	13.98	17.00	1.07	15.05	22.53
HT20	2	5180	7.06	7.58	10.34	17.00	0.65	10.98	22.51
HT20	2	5200	8.03	7.27	10.67	17.00	0.65	11.32	22.48
HT20	2	5240	7.72	7.86	10.80	17.00	0.65	11.45	22.53
HT40	1	5190	9.50	-	9.50	17.00	1.07	10.57	23.00
HT40	1	5230	13.73	-	13.73	17.00	1.07	14.80	23.00
HT40	2	5190	3.11	3.40	6.27	17.00	0.65	6.91	23.00
HT40	2	5230	7.66	7.71	10.69	17.00	0.65	11.34	23.00
Result			Complied						

Maximum Conducted Output Power Result									
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	14.30	-	14.30	24.00	1.07	15.37	30.00
11a	1	5300	14.37	-	14.37	24.00	1.07	15.44	30.00
11a	1	5320	11.74	-	11.74	24.00	1.07	12.81	29.47
HT20	1	5260	14.35	-	14.35	24.00	1.07	15.42	29.56
HT20	1	5300	14.29	-	14.29	24.00	1.07	15.36	29.53
HT20	1	5320	11.92	-	11.92	24.00	1.07	12.99	29.54
HT20	2	5260	8.35	8.13	11.25	24.00	0.65	11.90	29.50
HT20	2	5300	8.39	8.44	11.42	24.00	0.65	12.07	29.52
HT20	2	5320	7.37	7.69	10.54	24.00	0.65	11.19	29.49
HT40	1	5270	9.49	-	9.49	24.00	1.07	10.56	30.00
HT40	1	5310	10.77	-	10.77	24.00	1.07	11.84	30.00
HT40	2	5270	4.72	4.11	7.43	24.00	0.65	8.08	30.00
HT40	2	5310	6.01	5.98	9.00	24.00	0.65	9.65	30.00
Result			Complied						



Maximum Conducted Output Power Result									
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	11.77	-	11.77	24.00	1.07	12.84	29.36
11a	1	5580	14.89	-	14.89	24.00	1.07	15.96	30.00
11a	1	5700	10.98	-	10.98	24.00	1.07	12.05	29.25
HT20	1	5500	11.91	-	11.91	24.00	1.07	12.98	29.53
HT20	1	5580	14.96	-	14.96	24.00	1.07	16.03	29.52
HT20	1	5700	10.84	-	10.84	24.00	1.07	11.91	29.53
HT20	2	5500	5.82	5.96	8.90	24.00	0.65	9.55	29.53
HT20	2	5580	8.89	8.82	11.86	24.00	0.65	12.51	29.54
HT20	2	5700	5.64	6.19	8.93	24.00	0.65	9.58	29.51
HT40	1	5510	8.88	-	8.88	24.00	1.07	9.95	30.00
HT40	1	5550	14.82	-	14.82	24.00	1.07	15.89	30.00
HT40	1	5670	14.44	-	14.44	24.00	1.07	15.51	30.00
HT40	2	5510	3.44	3.54	6.50	24.00	0.65	7.15	30.00
HT40	2	5550	8.83	8.58	11.71	24.00	0.65	12.36	30.00
HT40	2	5670	8.11	8.61	11.37	24.00	0.65	12.02	30.00
Result			Complied						

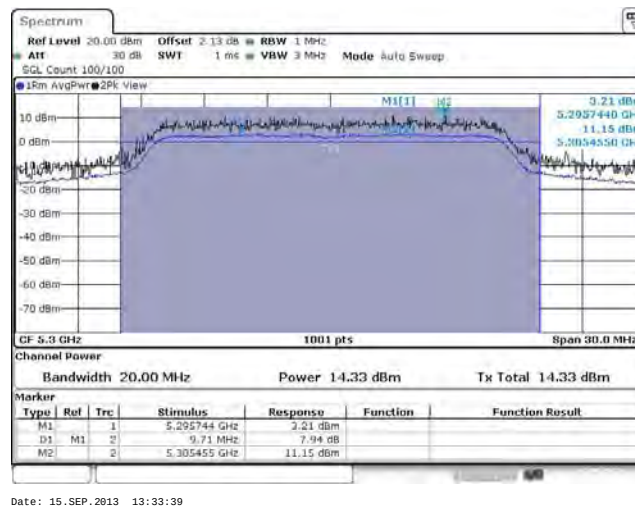
5150-5250MHz - Worst RF Output Power Plots



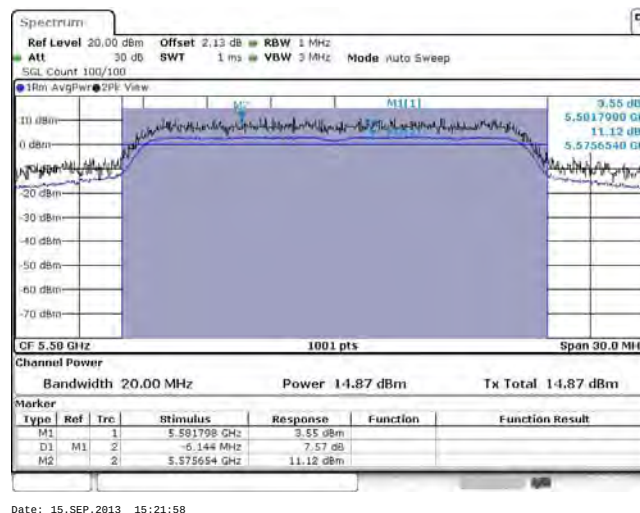
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5250-5350MHz - Worst RF Output Power Plots



5470-5725MHz - Worst RF Output Power Plots



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

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.	

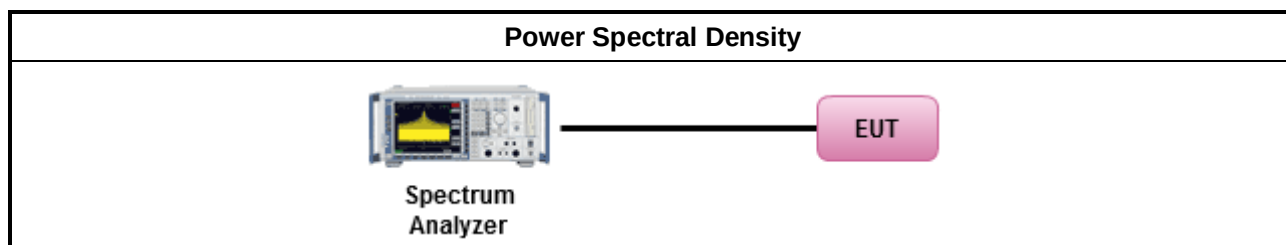
3.4.2 Measuring Instruments

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

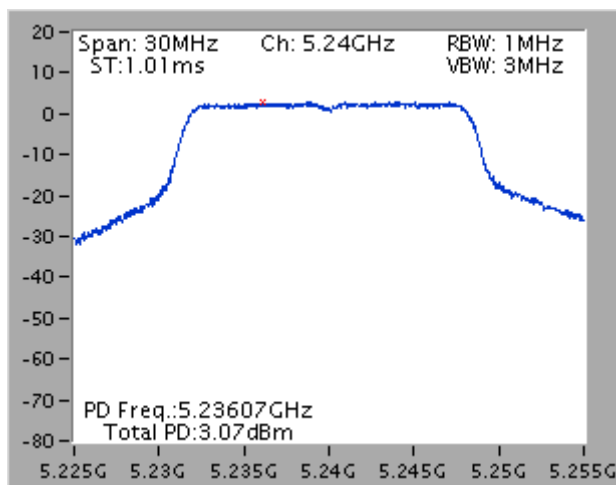
Directional Gain (DG) Result				
Transmit Chains No.	1	2	-	-
Maximum G_{ANT} (dBi)	1.07	0.18	-	-
Modulation Mode	N_{TX}	N_{SS} (Min.)	Array Gain (dB)	PSD DG (dBi) Note ³
11a,6-54Mbps	1	1	-	1.07
HT20,M0-M7	1	1	-	1.07
HT20,M8-M15	2	2	-	0.65
HT40,M0-M7	1	1	-	1.07
HT40,M8-M15	2	2	-	0.65
Note 1: For all transmitter 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};				

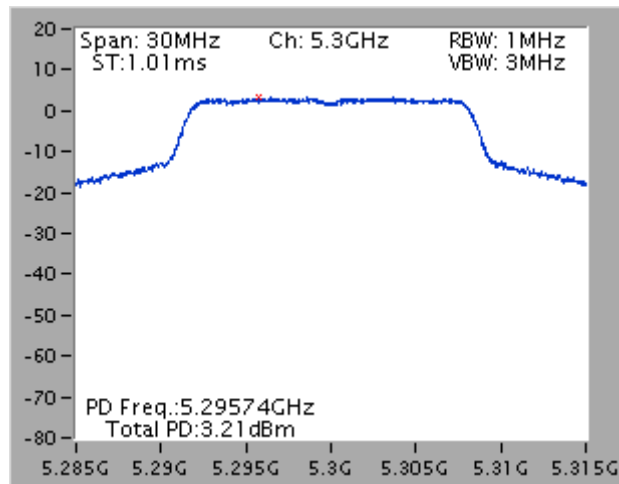
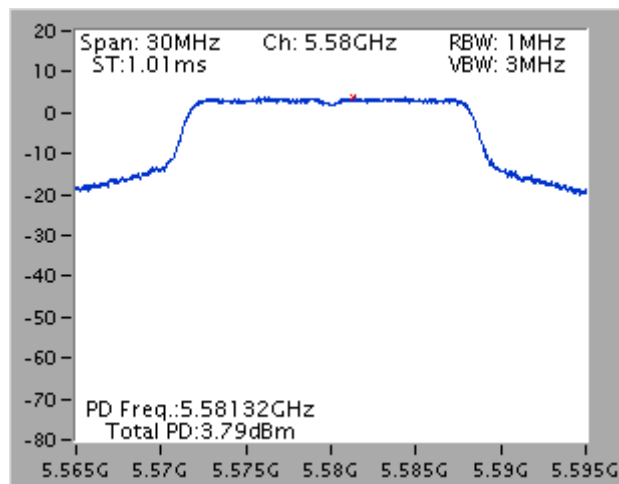
3.4.6 Test Result of Peak Power Spectral Density

Peak Power Spectral Density Result (5150-5250MHz band)							
Condition			Power Spectral Density				
Modulation Mode	N _{TX}	Freq. (MHz)	Sum Chain	PSD Limit	DG (dBi)	EIRP PSD	EIRP Limit
11a	1	5180	0.71	4.00	1.07	1.82	10.00
11a	1	5200	2.70	4.00	1.07	3.81	10.00
11a	1	5240	3.07	4.00	1.07	4.18	10.00
HT20	1	5180	1.12	4.00	1.07	2.28	10.00
HT20	1	5200	2.55	4.00	1.07	3.71	10.00
HT20	1	5240	2.98	4.00	1.07	4.14	10.00
HT20	2	5180	-1.35	4.00	0.65	-0.61	10.00
HT20	2	5200	-0.97	4.00	0.65	-0.23	10.00
HT20	2	5240	-0.90	4.00	0.65	-0.16	10.00
HT40	1	5190	-4.02	4.00	1.07	-2.86	10.00
HT40	1	5230	0.39	4.00	1.07	1.55	10.00
HT40	2	5190	-7.81	4.00	0.65	-6.98	10.00
HT40	2	5230	-2.99	4.00	0.65	-2.16	10.00
Result			Complied				

Peak Power Spectral Density Result (5250-5350MHz band)							
Condition			Power Spectral Density				
Modulation Mode	N _{TX}	Freq. (MHz)	Sum Chain	PSD Limit	DG (dBi)	EIRP PSD	EIRP Limit
11a	1	5260	3.12	11.00	1.07	4.23	17.00
11a	1	5300	3.21	11.00	1.07	4.32	17.00
11a	1	5320	0.72	11.00	1.07	1.83	17.00
HT20	1	5180	3.08	11.00	1.07	4.24	17.00
HT20	1	5200	3.17	11.00	1.07	4.33	17.00
HT20	1	5240	0.64	11.00	1.07	1.80	17.00
HT20	2	5180	-0.30	11.00	0.65	0.44	17.00
HT20	2	5200	-0.17	11.00	0.65	0.57	17.00
HT20	2	5240	-0.99	11.00	0.65	-0.25	17.00
HT40	1	5190	-3.97	11.00	1.07	-2.81	17.00
HT40	1	5230	-3.02	11.00	1.07	-1.86	17.00
HT40	2	5190	-6.47	11.00	0.65	-5.64	17.00
HT40	2	5230	-4.91	11.00	0.65	-4.08	17.00
Result			Complied				

Peak Power Spectral Density Result (5470-5725MHz band)							
Condition			Power Spectral Density				
Modulation Mode	N _{TX}	Freq. (MHz)	Sum Chain	PSD Limit	DG (dBi)	EIRP PSD	EIRP Limit
11a	1	5500	0.67	11.00	1.07	1.78	17.00
11a	1	5580	3.79	11.00	1.07	4.90	17.00
11a	1	5700	-0.12	11.00	1.07	0.99	17.00
HT20	1	5500	0.61	11.00	1.07	1.77	17.00
HT20	1	5580	3.49	11.00	1.07	4.65	17.00
HT20	1	5700	0.03	11.00	1.07	1.19	17.00
HT20	2	5500	-2.82	11.00	0.65	-2.08	17.00
HT20	2	5580	0.28	11.00	0.65	1.02	17.00
HT20	2	5700	-2.65	11.00	0.65	-1.91	17.00
HT40	1	5510	-4.41	11.00	1.07	-3.25	17.00
HT40	1	5550	0.97	11.00	1.07	2.13	17.00
HT40	1	5670	0.69	11.00	1.07	1.85	17.00
HT40	2	5510	-7.50	11.00	0.65	-6.67	17.00
HT40	2	5550	-2.29	11.00	0.65	-1.46	17.00
HT40	2	5670	-2.60	11.00	0.65	-1.77	17.00
Result			Complied				

5150-5250MHz - Worst Power Spectral Density Plots


5250-5350MHz - Worst Power Spectral Density Plots

5470-5725MHz - Worst Power Spectral Density Plots


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

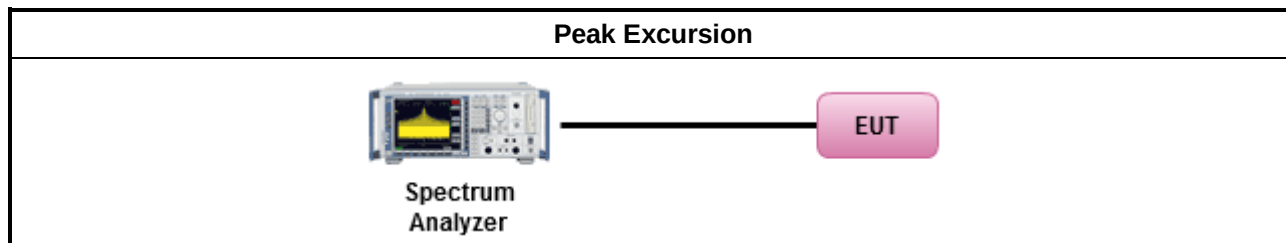
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

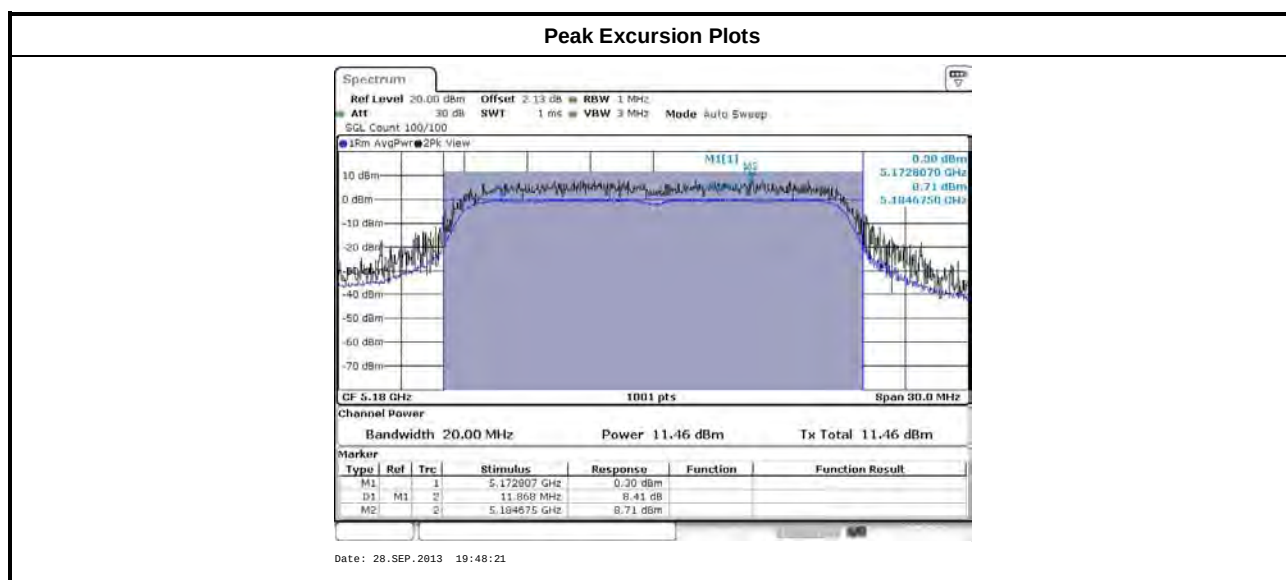
Test Method	
☒	Refer as FCC KDB 789033, clause G peak excursion method.
☒	Testing each modulation mode on a single channel is sufficient to demonstrate compliance with the peak excursion requirement
☒	For conducted measurement.
☐	☒ Testing a single output port is sufficient to demonstrate compliance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

3.5.4 Test Setup



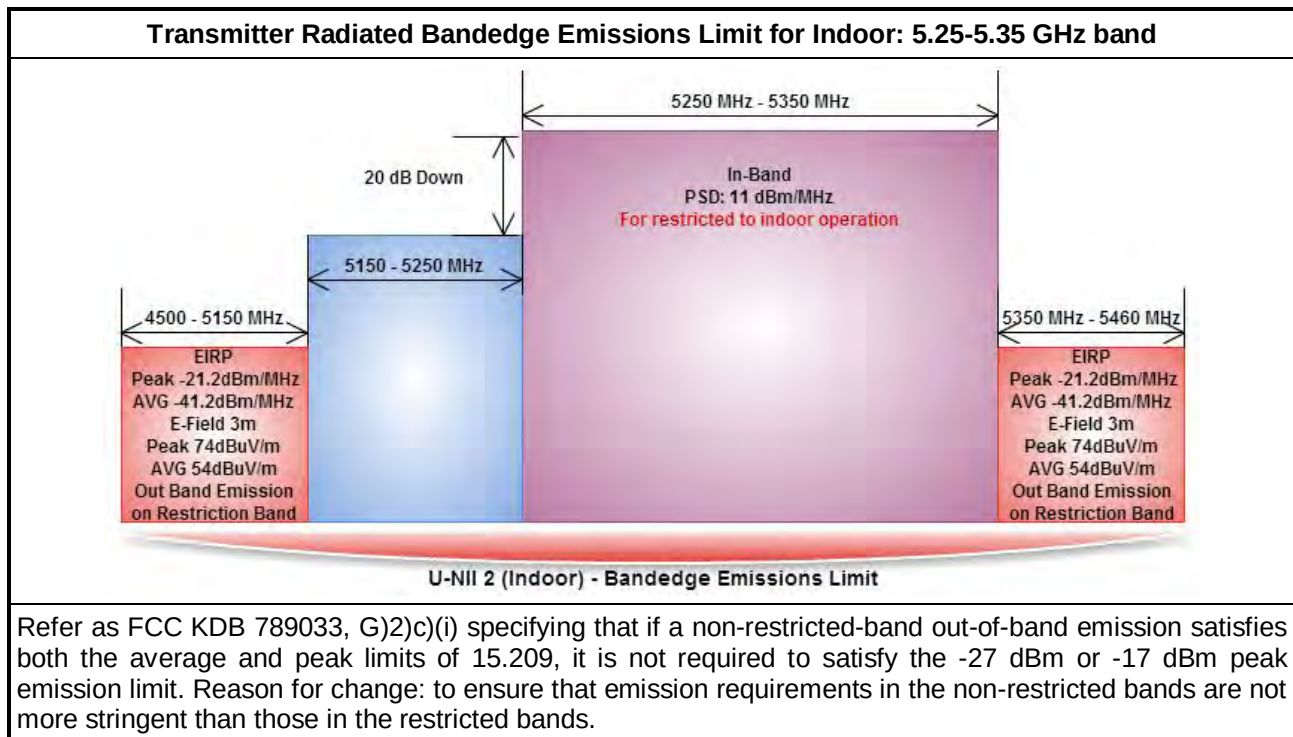
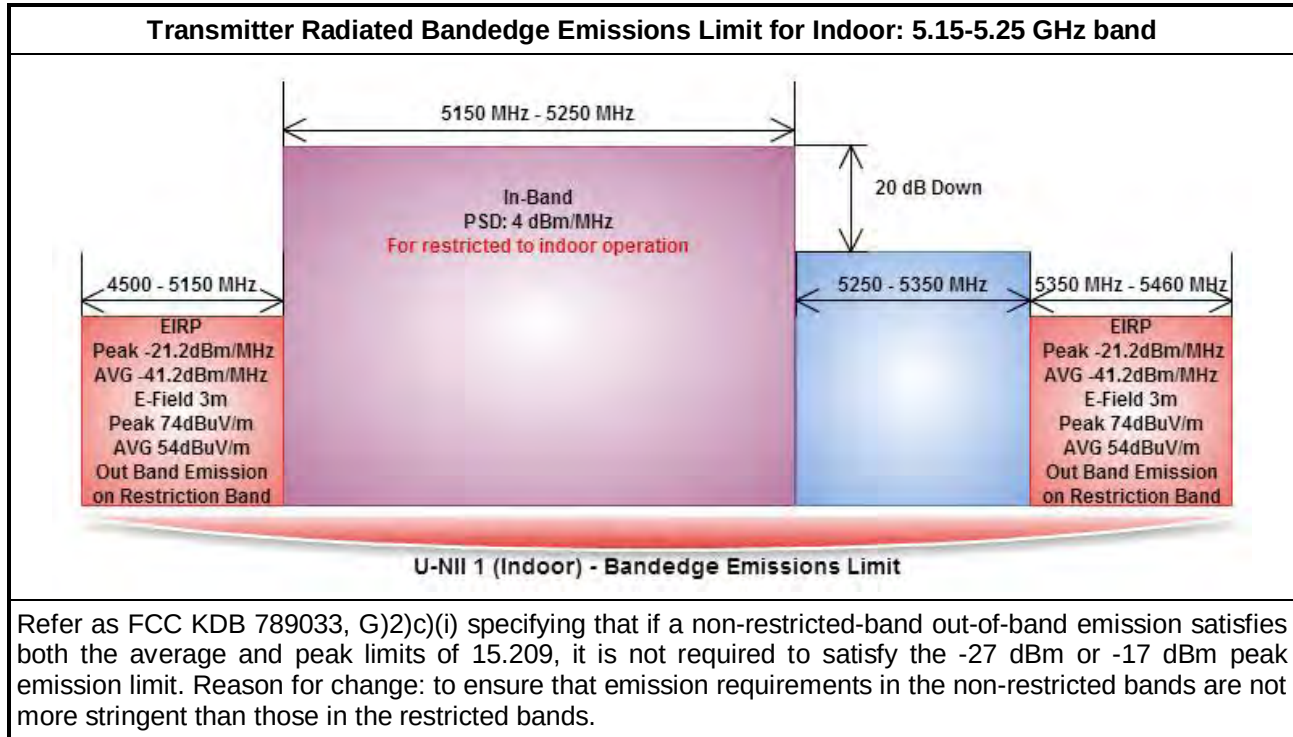
3.5.5 Test Result of Peak Excursion

UNII Peak Excursion Result								
Condition			Peak Excursion (dB)					
Modulation Mode	N _{TX}	Freq. (MHz)	BPSK	QPSK	16QAM	64QAM	256QAM	Limit
11a	1	5180	7.62	7.16	7.09	7.67	-	13.0
HT20	1	5180	7.27	7.30	8.05	8.32	-	13.0
HT20	2	5180	7.57	7.21	7.77	7.60	-	13.0
HT40	1	5190	7.19	7.45	7.25	7.55	-	13.0
HT40	2	5190	7.24	7.50	7.65	8.10	-	13.0
Result			Complied					

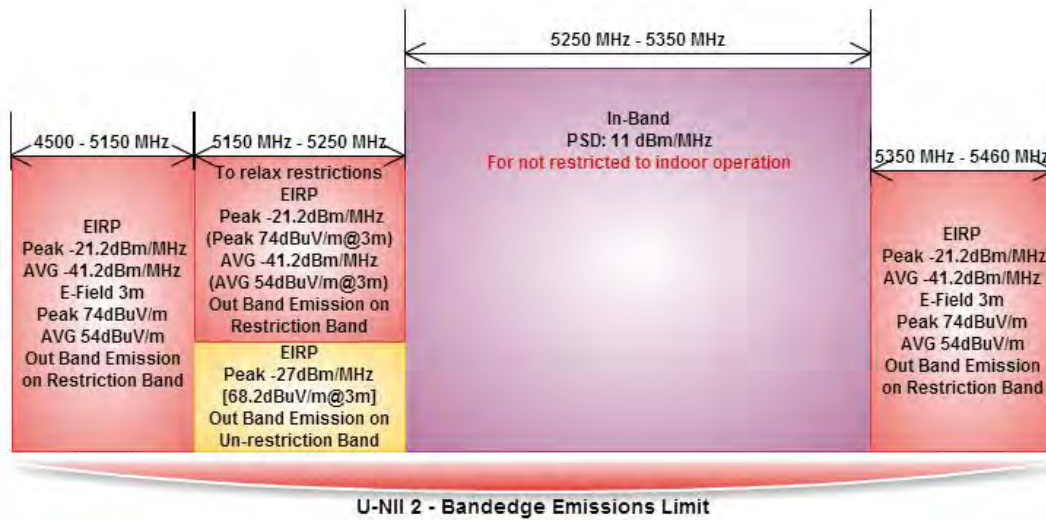


3.6 Transmitter Radiated Bandedge Emissions

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.

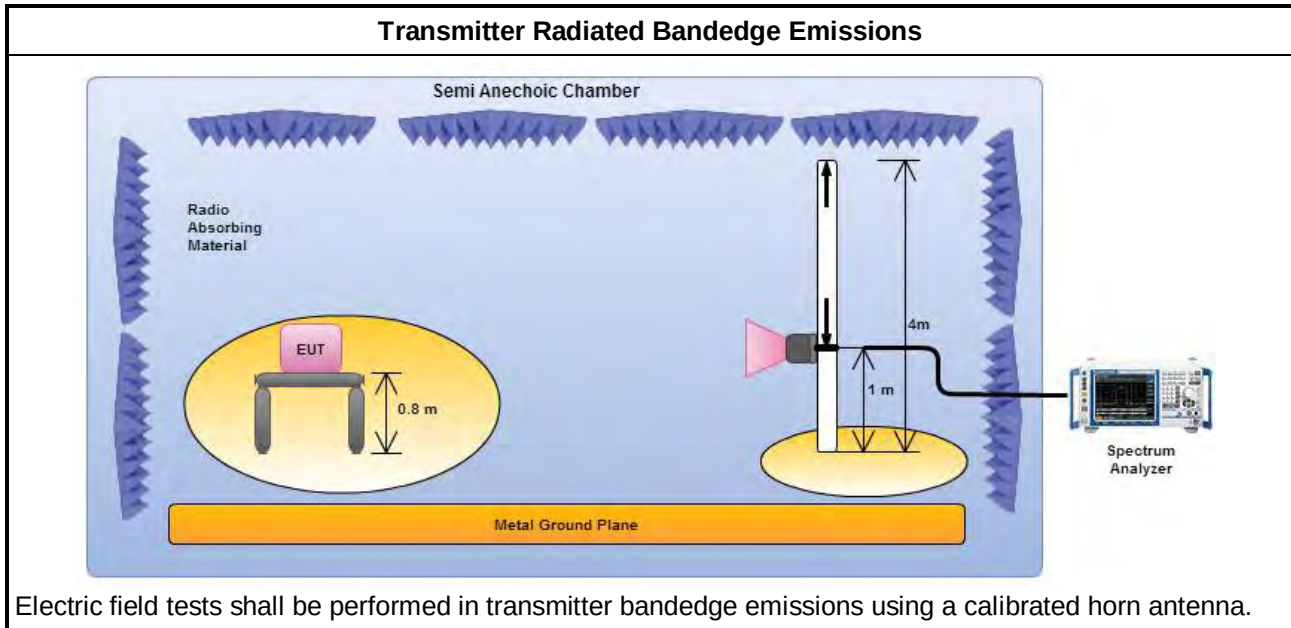
3.6.2 Measuring Instruments

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 1m, 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	5149.900	74.26	83.54	5150.000	60.92	63.54	V
11a	1	5240	1	5148.900	67.86	83.54	5148.600	55.57	63.54	V
HT20, M0-7	1	5180	1	5149.500	73.00	83.54	5150.000	60.35	63.54	V
HT20, M0-7	1	5240	1	5147.400	68.01	83.54	5150.000	55.41	63.54	V
HT40, M0-7	1	5190	1	5148.620	77.34	83.54	5150.000	61.73	63.54	V
HT40, M0-7	1	5230	1	5142.600	72.19	83.54	5150.000	58.18	63.54	V
HT20, M8-15	2	5180	1	5146.700	73.94	83.54	5150.000	58.56	63.54	V
HT20, M8-15	2	5240	1	5130.900	68.35	83.54	5147.400	55.31	63.54	V
HT40, M8-15	2	5190	1	5149.940	73.60	83.54	5150.000	62.02	63.54	V
HT40, M8-15	2	5230	1	5140.500	70.87	83.54	5150.000	58.53	63.54	V

Note 1: Measurement worst emissions of receive antenna polarization.

U-NII 5250-5350MHz Transmitter Radiated Bandedge (with Antenna)										
Modulation Mode	N _{TX}	Freq. (MHz)	Measure Distance (m)	Freq. (MHz) PK	Level (dBuV/m) PK	Limit (dBuV/m) PK	Freq. (MHz) AV	Level (dBuV/m) AV	Limit (dBuV/m) AV	Pol.
11a	1	5260	1	5393.700	69.05	83.54	5355.300	55.55	63.54	V
11a	1	5320	1	5351.300	77.34	83.54	5350.000	61.87	63.54	V
HT20, M0-7	1	5260	1	5364.600	69.44	83.54	5357.700	55.54	63.54	V
HT20, M0-7	1	5320	1	5354.380	77.76	83.54	5350.000	61.85	63.54	V
HT40, M0-7	1	5270	1	5355.000	71.59	83.54	5350.200	58.32	63.54	V
HT40, M0-7	1	5310	1	5353.990	74.75	83.54	5350.030	62.15	63.54	V
HT20, M8-15	2	5260	1	5366.100	68.02	83.54	5352.600	55.54	63.54	V
HT20, M8-15	2	5320	1	5352.210	77.71	83.54	5350.000	61.13	63.54	V
HT40, M8-15	2	5270	1	5351.400	73.55	83.54	5351.700	57.70	63.54	V
HT40, M8-15	2	5310	1	5355.340	73.08	83.54	5350.660	62.37	63.54	V

Note 1: Measurement worst emissions of receive antenna polarization.

U-NII 5470-5725MHz Transmitter Radiated Bandedge (with Antenna)										
Modulation Mode	N _{TX}	Freq. (MHz)	Measure Distance (m)	Freq. (MHz) PK	Level (dBuV/m) PK	Limit (dBuV/m) PK	Freq. (MHz) AV	Level (dBuV/m) AV	Limit (dBuV/m) AV	Pol.
11a	1	5500	1	5466.720	76.10	83.54	5470.000	61.93	63.54	V
11a	1	5700	1	5725.880	75.25	83.54	5725.000	60.31	63.54	V
HT20, M0-7	1	5500	1	5469.840	74.97	83.54	5470.000	61.93	63.54	V
HT20, M0-7	1	5700	1	5725.220	75.69	77.84	-	-	-	V
HT40, M0-7	1	5510	1	5469.800	77.04	83.54	5470.000	62.52	63.54	V
HT40, M0-7	1	5670	1	5726.200	76.70	83.54	-	-	-	V
HT20, M8-15	2	5500	1	5469.280	74.05	83.54	5469.520	61.06	63.54	V
HT20, M8-15	2	5700	1	5725.460	75.63	77.84	-	-	-	V
HT40, M8-15	2	5510	1	5469.900	78.53	83.54	5470.000	62.19	63.54	V
HT40, M8-15	2	5670	1	5727.900	71.70	77.84	-	-	-	V
Note 1: Measurement worst emissions of receive antenna polarization.										

3.7 Transmitter Radiated 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).

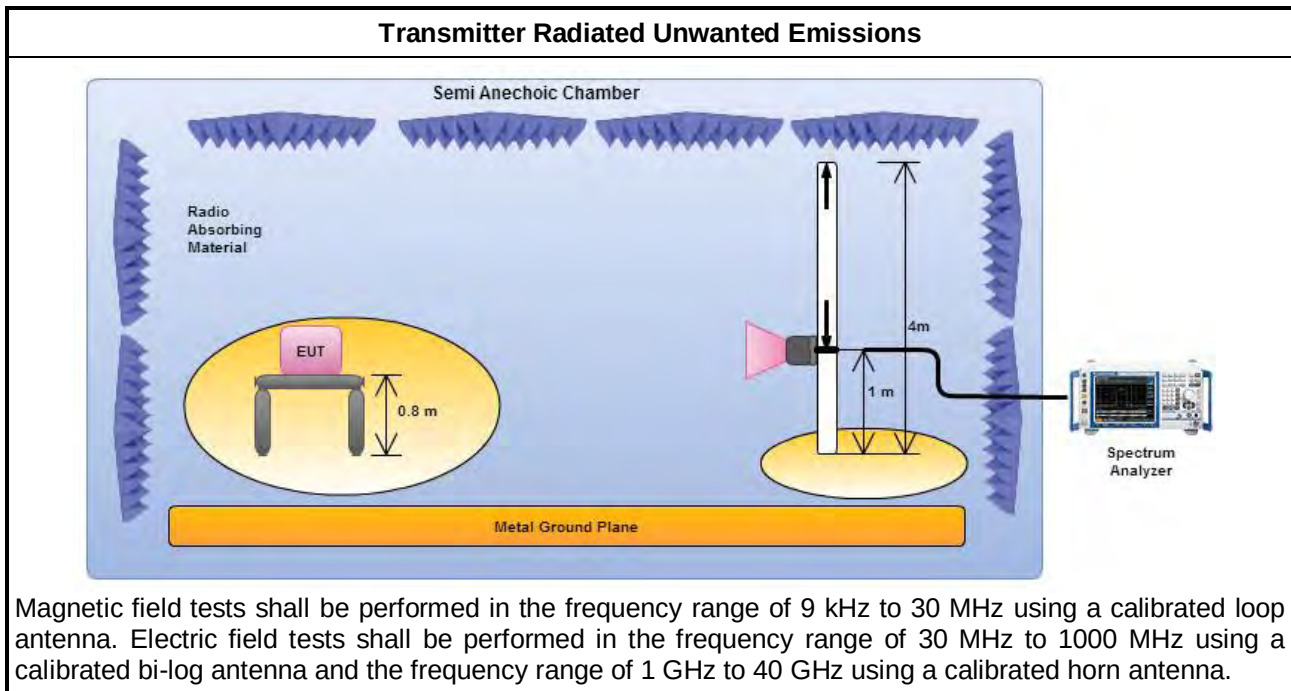
3.7.2 Measuring Instruments

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 1m, 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.

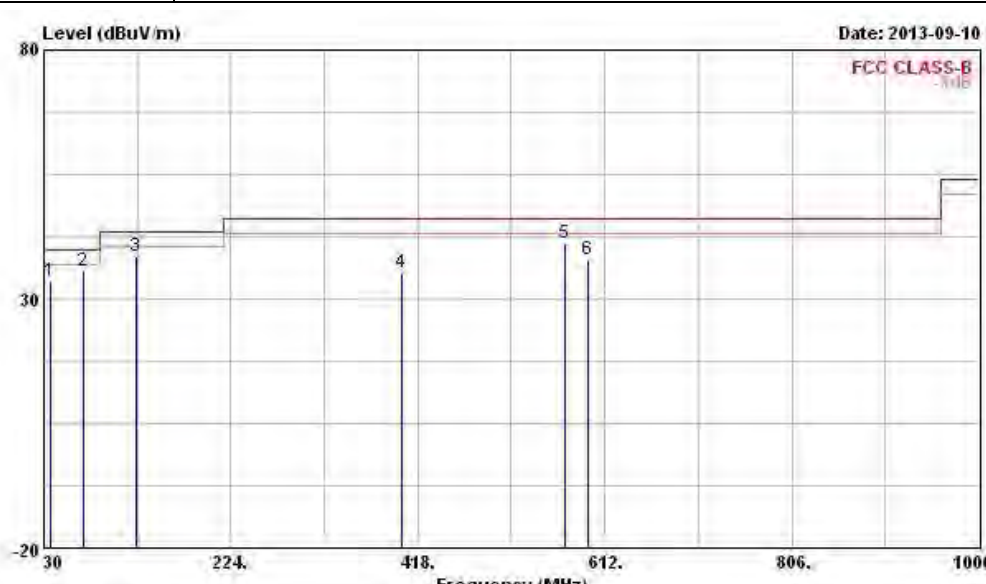
3.7.4 Test Setup



3.7.5 Transmitter Radiated Unwanted Emissions (Below 30MHz)

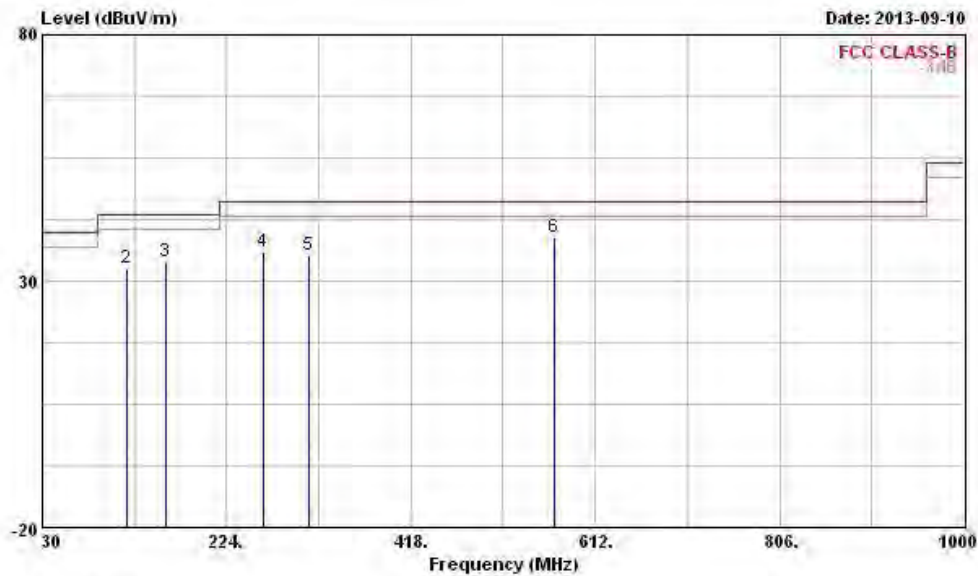
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

3.7.6 Transmitter Radiated Unwanted Emissions (Below 1GHz)

Transmitter Radiated Unwanted Emissions (Below 1GHz)																																																																																																										
Operating Mode		1				Polarization			V																																																																																																	
Operating Function		AC Power & Radio Link																																																																																																								
Level (dBuV/m)  Date: 2013-09-10 FCC CLASS-B -74dB <table><tr><th></th><th>Freq</th><th>Level</th><th>Over Limit</th><th>Limit Line</th><th>ReadAntenna Level</th><th>Antenna Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Remark</th><th>Ant Pos</th><th>Table Pos</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th></th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>36.790</td><td>33.77</td><td>-6.23</td><td>40.00</td><td>46.72</td><td>13.92</td><td>0.83</td><td>27.70</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>2</td><td>71.710</td><td>35.73</td><td>-4.27</td><td>40.00</td><td>55.29</td><td>6.85</td><td>1.20</td><td>27.61</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>3</td><td>125.060</td><td>38.64</td><td>-4.86</td><td>43.50</td><td>51.54</td><td>13.18</td><td>1.59</td><td>27.67</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>4</td><td>400.540</td><td>35.31</td><td>-10.69</td><td>46.00</td><td>44.97</td><td>15.27</td><td>2.98</td><td>27.91</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>5</td><td>571.260</td><td>41.13</td><td>-4.87</td><td>46.00</td><td>46.66</td><td>19.34</td><td>3.61</td><td>28.48</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>6</td><td>594.540</td><td>37.89</td><td>-8.11</td><td>46.00</td><td>42.71</td><td>20.01</td><td>3.67</td><td>28.50</td><td>Peak</td><td>---</td><td>---</td></tr></table> Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit. Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.) Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)												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	36.790	33.77	-6.23	40.00	46.72	13.92	0.83	27.70	Peak	---	---	2	71.710	35.73	-4.27	40.00	55.29	6.85	1.20	27.61	Peak	---	---	3	125.060	38.64	-4.86	43.50	51.54	13.18	1.59	27.67	Peak	---	---	4	400.540	35.31	-10.69	46.00	44.97	15.27	2.98	27.91	Peak	---	---	5	571.260	41.13	-4.87	46.00	46.66	19.34	3.61	28.48	Peak	---	---	6	594.540	37.89	-8.11	46.00	42.71	20.01	3.67	28.50	Peak	---	---
	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	36.790	33.77	-6.23	40.00	46.72	13.92	0.83	27.70	Peak	---	---																																																																																															
2	71.710	35.73	-4.27	40.00	55.29	6.85	1.20	27.61	Peak	---	---																																																																																															
3	125.060	38.64	-4.86	43.50	51.54	13.18	1.59	27.67	Peak	---	---																																																																																															
4	400.540	35.31	-10.69	46.00	44.97	15.27	2.98	27.91	Peak	---	---																																																																																															
5	571.260	41.13	-4.87	46.00	46.66	19.34	3.61	28.48	Peak	---	---																																																																																															
6	594.540	37.89	-8.11	46.00	42.71	20.01	3.67	28.50	Peak	---	---																																																																																															

Transmitter Radiated Unwanted Emissions (Below 1GHz)

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



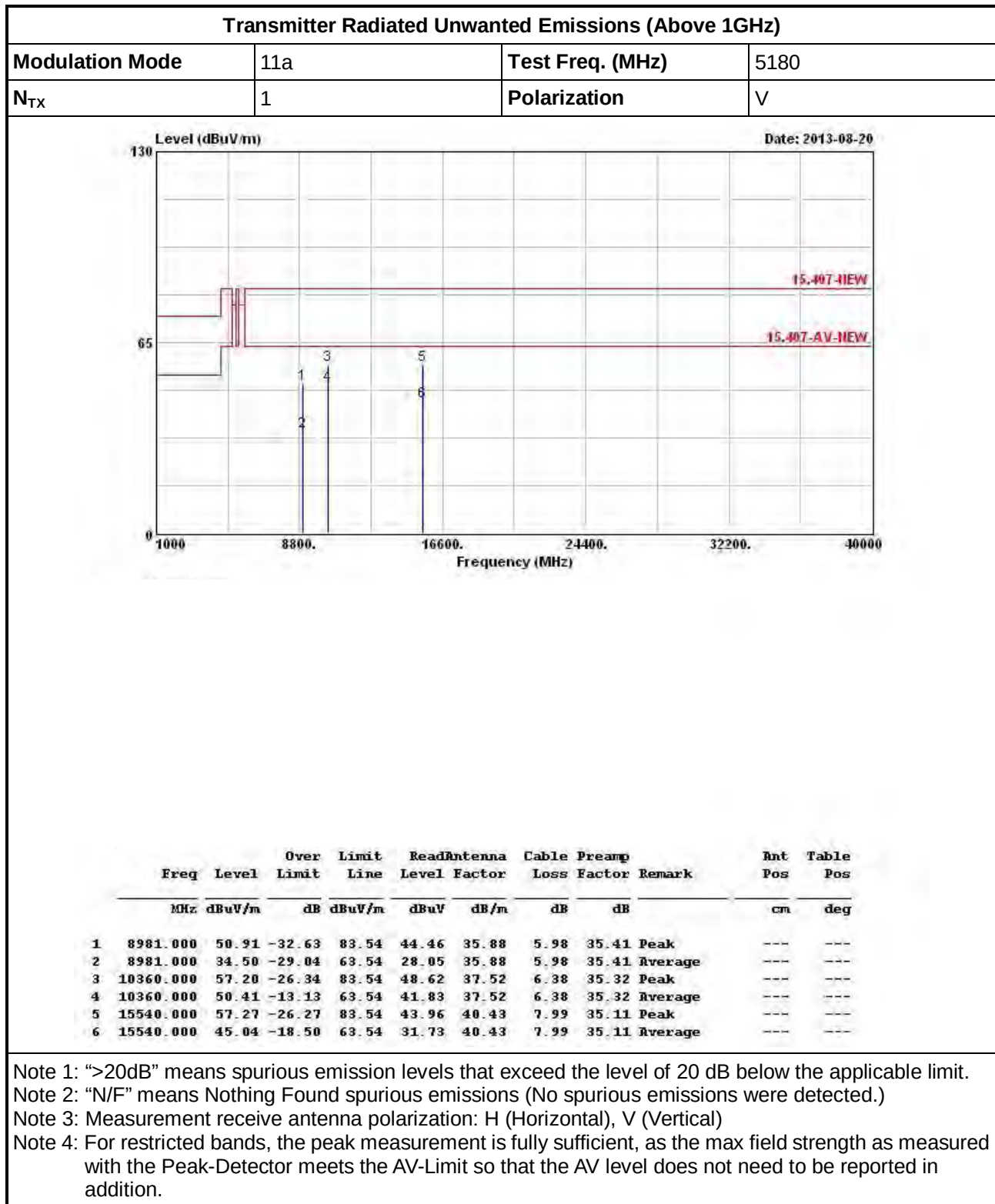
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	30.000	28.46	-11.54	40.00	39.27	16.22	0.78	27.81 Peak	---	---
2	118.270	32.47	-11.03	43.50	45.24	13.38	1.54	27.69 Peak	---	---
3	159.980	34.03	-9.47	43.50	49.26	10.55	1.78	27.56 Peak	---	---
4	261.830	35.88	-10.12	46.00	47.55	13.16	2.43	27.26 Peak	---	---
5	311.300	35.22	-10.78	46.00	45.97	13.88	2.61	27.24 Peak	---	---
6	568.350	38.80	-7.20	46.00	44.43	19.25	3.60	28.48 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.)

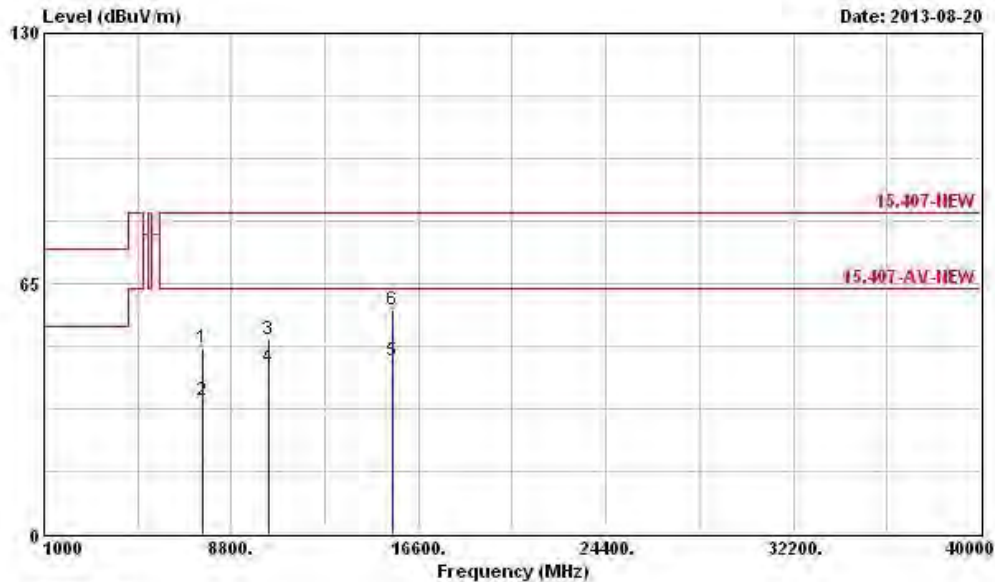
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

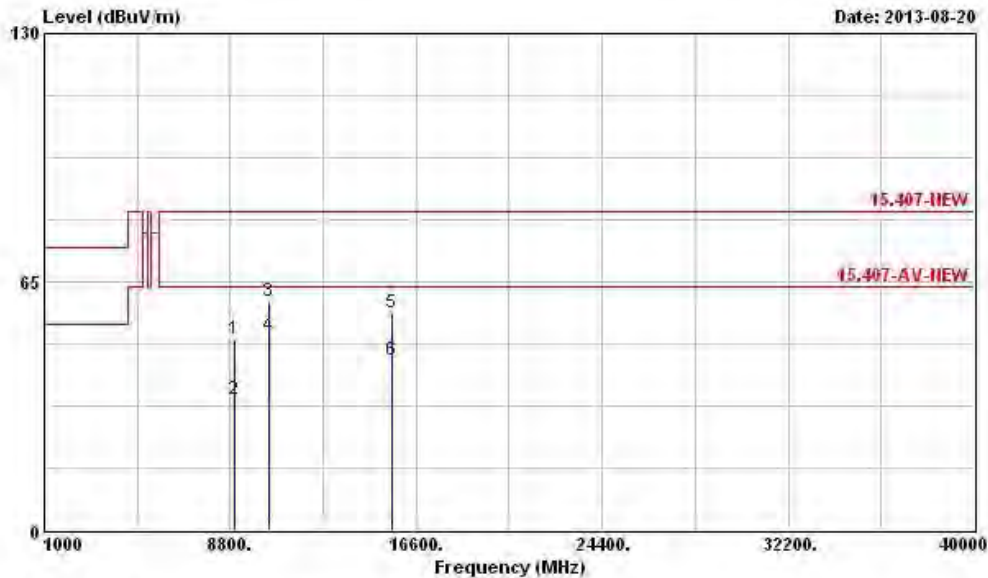


	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	7630.000	48.17	-35.37	83.54	42.51	35.30	5.61	35.25	Peak	---	---
2	7630.000	34.82	-28.72	63.54	29.16	35.30	5.61	35.25	Average	---	---
3	10360.000	50.33	-33.21	83.54	41.75	37.52	6.38	35.32	Peak	---	---
4	10360.000	43.24	-20.30	63.54	34.66	37.52	6.38	35.32	Average	---	---
5	15540.000	44.93	-18.61	63.54	31.62	40.43	7.99	35.11	Average	---	---
6	15540.000	58.13	-25.41	83.54	44.82	40.43	7.99	35.11	Peak	---	---

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

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	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	8981.000	49.90	-33.64	83.54	43.45	35.88	5.98	35.41	Peak	---	---
2	8981.000	34.30	-29.24	63.54	27.85	35.88	5.98	35.41	Average	---	---
3	10400.000	59.69	-23.85	83.54	51.08	37.54	6.35	35.28	Peak	---	---
4	10400.000	50.80	-12.74	63.54	42.19	37.54	6.35	35.28	Average	---	---
5	15600.000	56.87	-26.67	83.54	43.59	40.50	7.96	35.18	Peak	---	---
6	15600.000	44.58	-18.96	63.54	31.30	40.50	7.96	35.18	Average	---	---

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

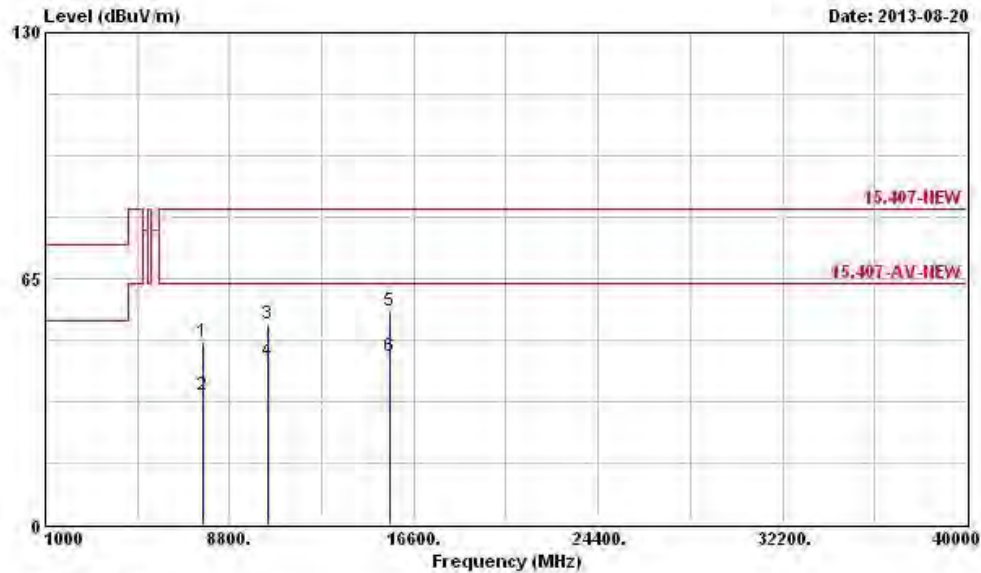
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

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	Loss	Factor	Remark	Pos	Pos
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	7661.000	48.21	-35.33	83.54	42.59	35.30	5.58	35.26	Peak	---
2	7661.000	34.28	-29.26	63.54	28.66	35.30	5.58	35.26	Average	---
3	10400.000	53.21	-30.33	83.54	44.60	37.54	6.35	35.28	Peak	---
4	10400.000	43.20	-20.34	63.54	34.59	37.54	6.35	35.28	Average	---
5	15600.000	56.24	-27.30	83.54	42.96	40.50	7.96	35.18	Peak	---
6	15600.000	44.40	-19.14	63.54	31.12	40.50	7.96	35.18	Average	---

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

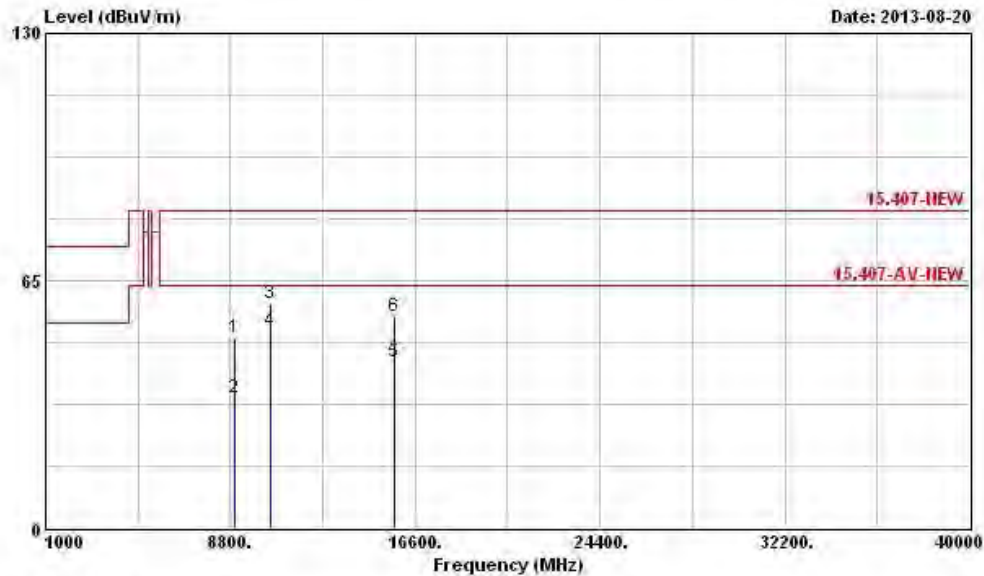
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a	Test Freq. (MHz)	5240
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	8981.000	49.90	-33.64	83.54	43.45	35.88	5.98	35.41	Peak	---	---
2	8981.000	34.33	-29.21	63.54	27.88	35.88	5.98	35.41	Average	---	---
3	10480.000	59.16	-24.38	83.54	50.49	37.59	6.30	35.22	Peak	---	---
4	10480.000	51.72	-11.82	63.54	43.05	37.59	6.30	35.22	Average	---	---
5	15720.000	43.60	-19.94	63.54	30.40	40.62	7.86	35.28	Average	---	---
6	15720.000	55.80	-27.74	83.54	42.60	40.62	7.86	35.28	Peak	---	---

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

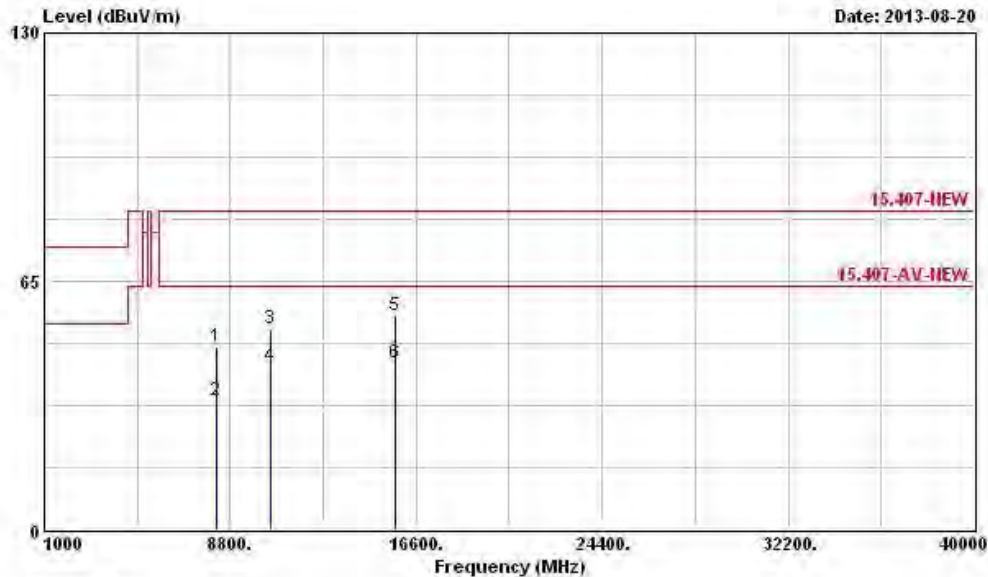
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a	Test Freq. (MHz)	5240
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	8233.000	47.82	-35.72	83.54	42.35	35.43	5.38	35.34	Peak	---	---
2	8233.000	33.76	-29.78	63.54	28.29	35.43	5.38	35.34	Average	---	---
3	10480.000	52.70	-30.84	83.54	44.03	37.59	6.30	35.22	Peak	---	---
4	10480.000	42.75	-20.79	63.54	34.08	37.59	6.30	35.22	Average	---	---
5	15720.000	56.09	-27.45	83.54	42.89	40.62	7.86	35.28	Peak	---	---
6	15720.000	43.47	-20.07	63.54	30.27	40.62	7.86	35.28	Average	---	---

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

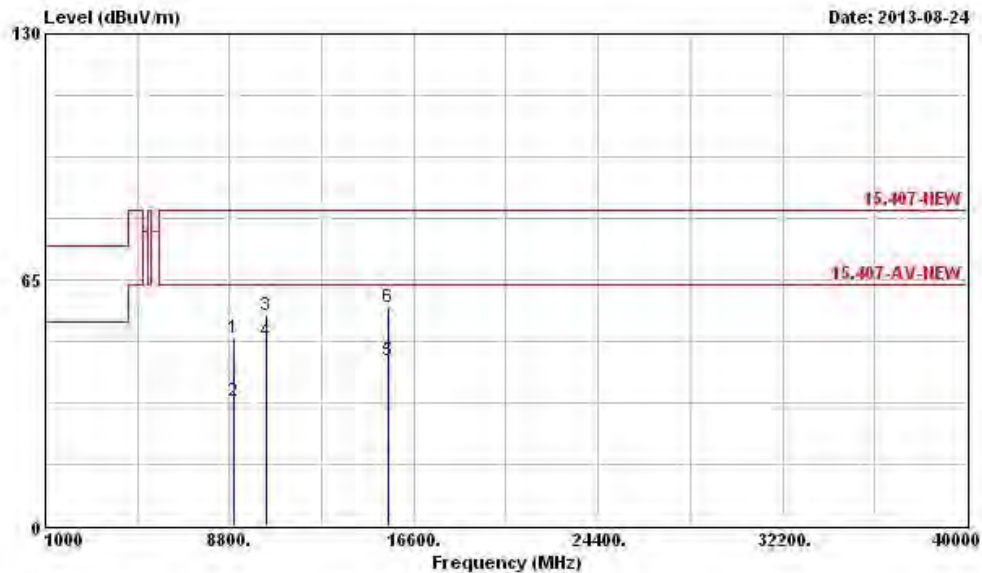
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

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	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	8981.000	49.41	-34.13	83.54	42.96	35.88	5.98	35.41	Peak	---	---
2	8981.000	33.08	-30.46	63.54	26.63	35.88	5.98	35.41	Average	---	---
3	10360.000	55.78	-27.76	83.54	47.20	37.52	6.38	35.32	Peak	---	---
4	10360.000	48.59	-14.95	63.54	40.01	37.52	6.38	35.32	Average	---	---
5	15540.000	43.41	-20.13	63.54	30.10	40.43	7.99	35.11	Average	---	---
6	15540.000	57.75	-25.79	83.54	44.44	40.43	7.99	35.11	Peak	---	---

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

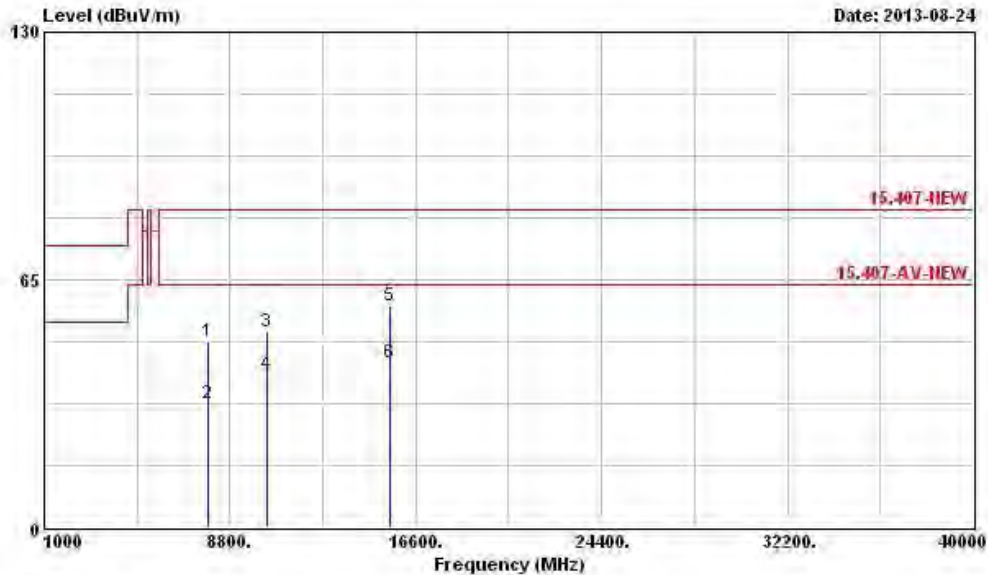
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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

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

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	7870.000	48.95	-34.59	83.54	43.55	35.30	5.41	35.31	Peak	---	---
2	7870.000	32.50	-31.04	63.54	27.10	35.30	5.41	35.31	Average	---	---
3	10360.000	51.23	-32.31	83.54	42.65	37.52	6.38	35.32	Peak	---	---
4	10360.000	40.07	-23.47	63.54	31.49	37.52	6.38	35.32	Average	---	---
5	15540.000	58.18	-25.36	83.54	44.87	40.43	7.99	35.11	Peak	---	---
6	15540.000	43.32	-20.22	63.54	30.01	40.43	7.99	35.11	Average	---	---

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

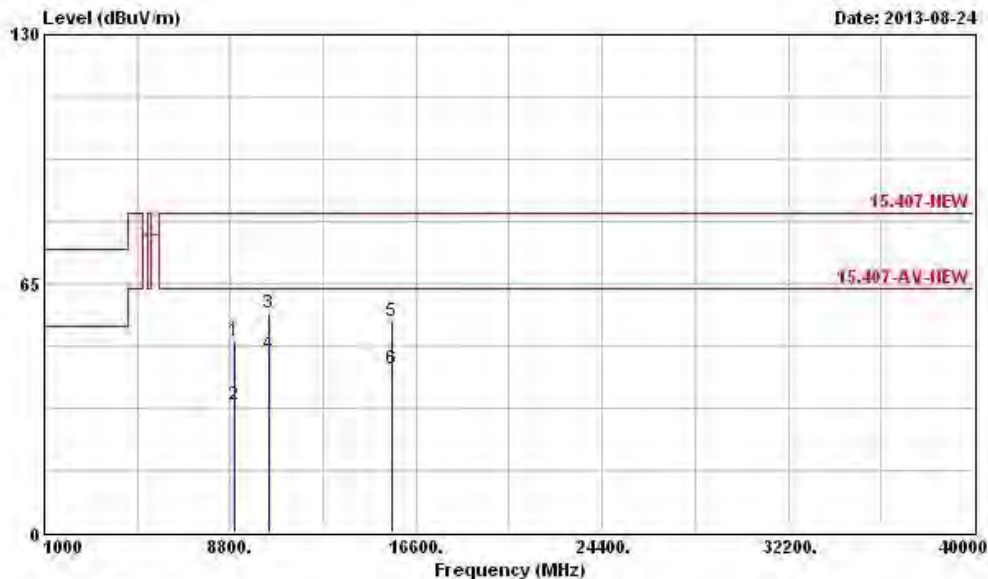
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

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	8981.000	49.83	-33.71	83.54	43.38	35.88	5.98	35.41	Peak	---	---
2	8981.000	33.27	-30.27	63.54	26.82	35.88	5.98	35.41	Average	---	---
3	10400.000	57.45	-26.09	83.54	48.84	37.54	6.35	35.28	Peak	---	---
4	10400.000	46.56	-16.98	63.54	37.95	37.54	6.35	35.28	Average	---	---
5	15600.000	55.02	-28.52	83.54	41.74	40.50	7.96	35.18	Peak	---	---
6	15600.000	42.80	-20.74	63.54	29.52	40.50	7.96	35.18	Average	---	---

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

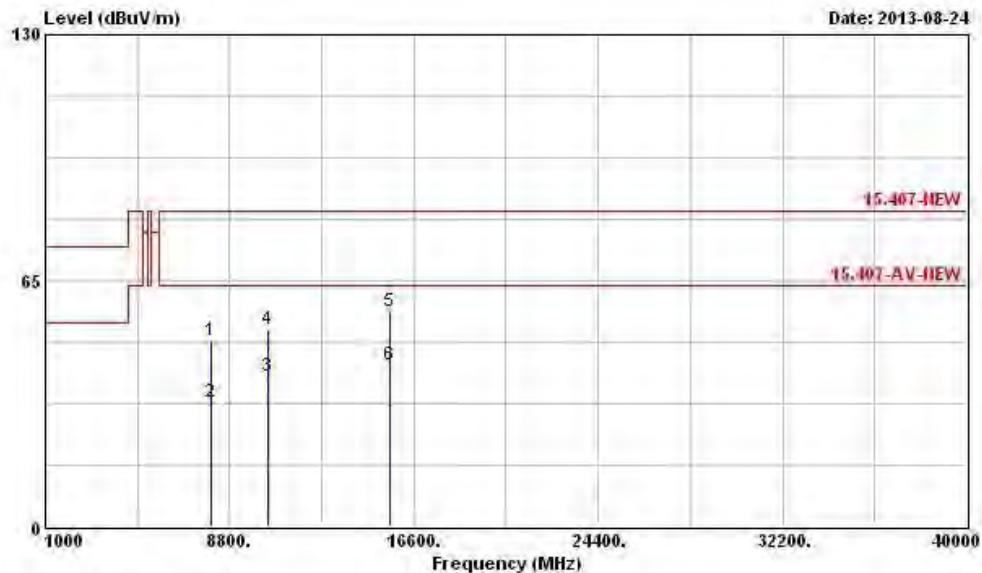
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)

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



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level Factor	Cable Loss	Preamp Factor	Remark	Rnt Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8046.000	48.99	-34.55	83.54	43.69	35.32	5.33	35.35 Peak	---	---
2	8046.000	33.02	-30.52	63.54	27.72	35.32	5.33	35.35 Average	---	---
3	10400.000	39.76	-23.78	63.54	31.15	37.54	6.35	35.28 Average	---	---
4	10400.000	51.96	-31.58	83.54	43.35	37.54	6.35	35.28 Peak	---	---
5	15600.000	56.96	-26.58	83.54	43.68	40.50	7.96	35.18 Peak	---	---
6	15600.000	42.82	-20.72	63.54	29.54	40.50	7.96	35.18 Average	---	---

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

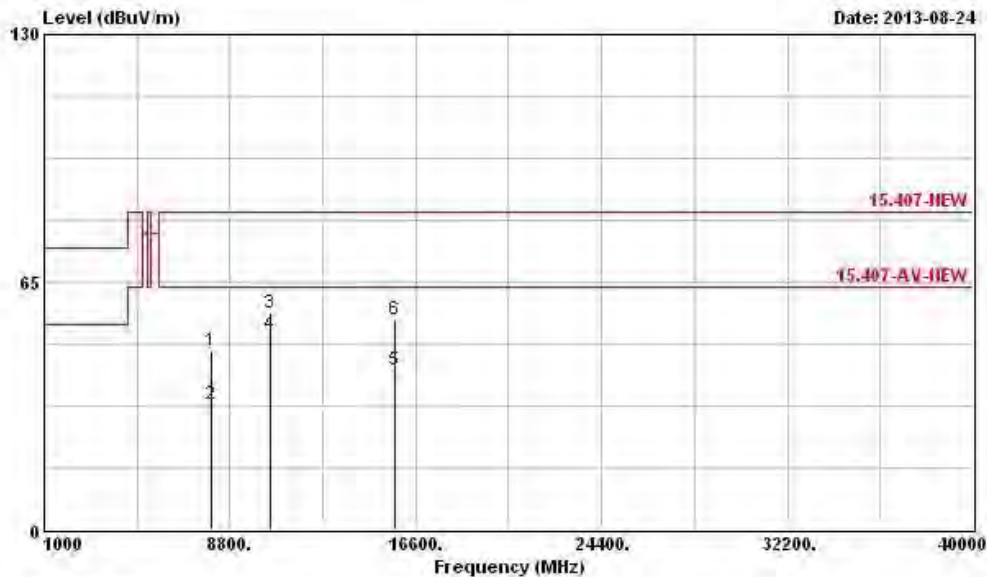
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)

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



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamplifier	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8013.000	46.99	-36.55	83.54	41.71	35.31	5.32	35.35	Peak	---	---
2	8013.000	32.73	-30.81	63.54	27.45	35.31	5.32	35.35	Average	---	---
3	10480.000	56.69	-26.85	83.54	48.02	37.59	6.30	35.22	Peak	---	---
4	10480.000	51.31	-12.23	63.54	42.64	37.59	6.30	35.22	Average	---	---
5	15720.000	42.11	-21.43	63.54	28.91	40.62	7.86	35.28	Average	---	---
6	15720.000	55.23	-28.31	83.54	42.03	40.62	7.86	35.28	Peak	---	---

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

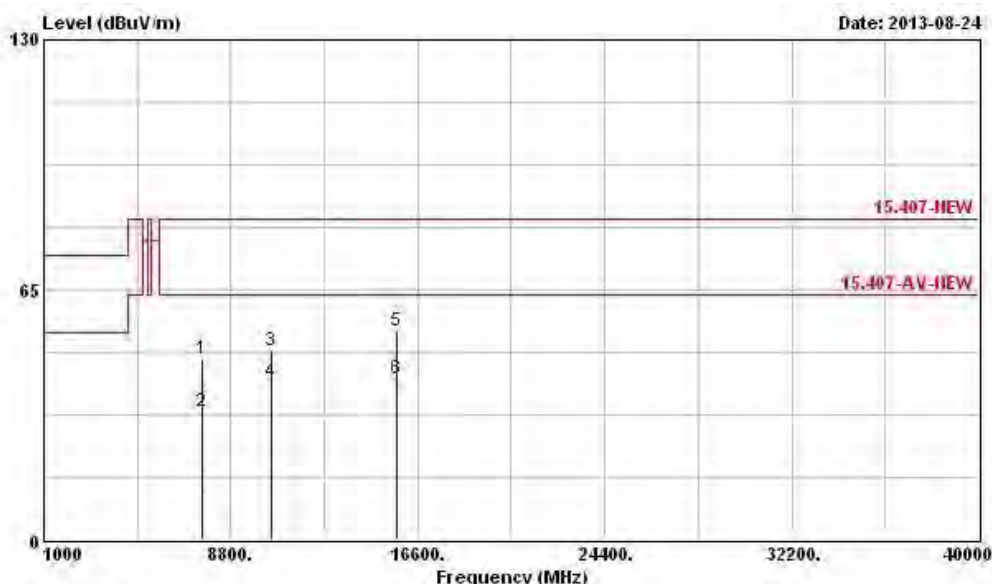
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5240
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	7606.000	47.04	-36.50	83.54	41.35	35.30	5.64	35.25	Peak	---	---
2	7606.000	33.49	-30.05	63.54	27.80	35.30	5.64	35.25	Average	---	---
3	10480.000	49.28	-34.26	83.54	40.61	37.59	6.30	35.22	Peak	---	---
4	10480.000	41.17	-22.37	63.54	32.50	37.59	6.30	35.22	Average	---	---
5	15720.000	54.45	-29.09	83.54	41.25	40.62	7.86	35.28	Peak	---	---
6	15720.000	41.91	-21.63	63.54	28.71	40.62	7.86	35.28	Average	---	---

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

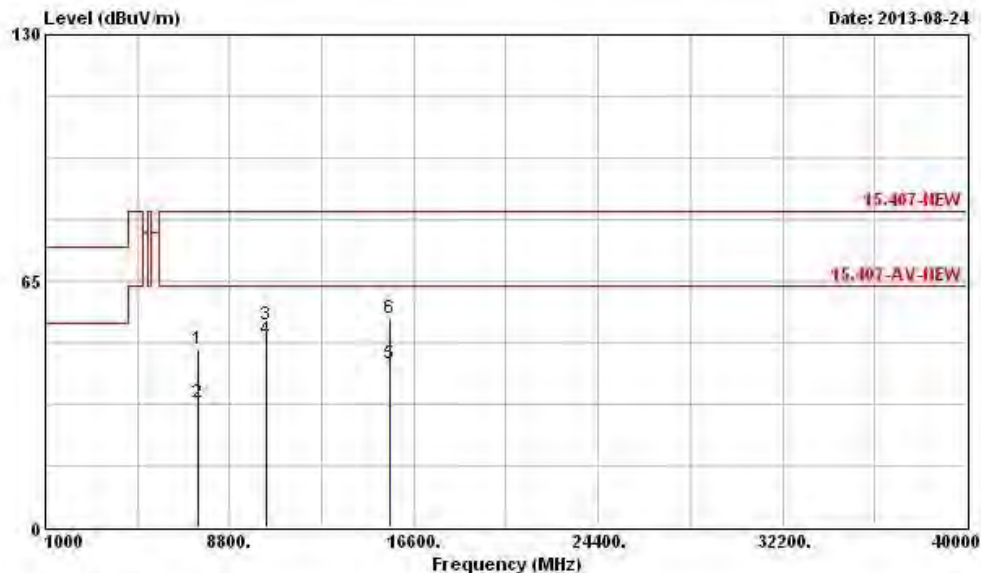
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)

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



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Rnt	Table
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark	Pos	Pos
			dB	dBuV/m	dBuV	dB/m	dB		cm	deg
1	7495.000	47.07	-36.47	83.54	41.28	35.30	5.71	35.22 Peak	---	---
2	7495.000	32.94	-30.60	63.54	27.15	35.30	5.71	35.22 Average	---	---
3	10380.000	53.39	-30.15	83.54	44.81	37.53	6.35	35.30 Peak	---	---
4	10380.000	49.69	-13.85	63.54	41.11	37.53	6.35	35.30 Average	---	---
5	15570.000	43.12	-20.42	63.54	29.82	40.47	7.96	35.13 Average	---	---
6	15570.000	55.27	-28.27	83.54	41.97	40.47	7.96	35.13 Peak	---	---

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

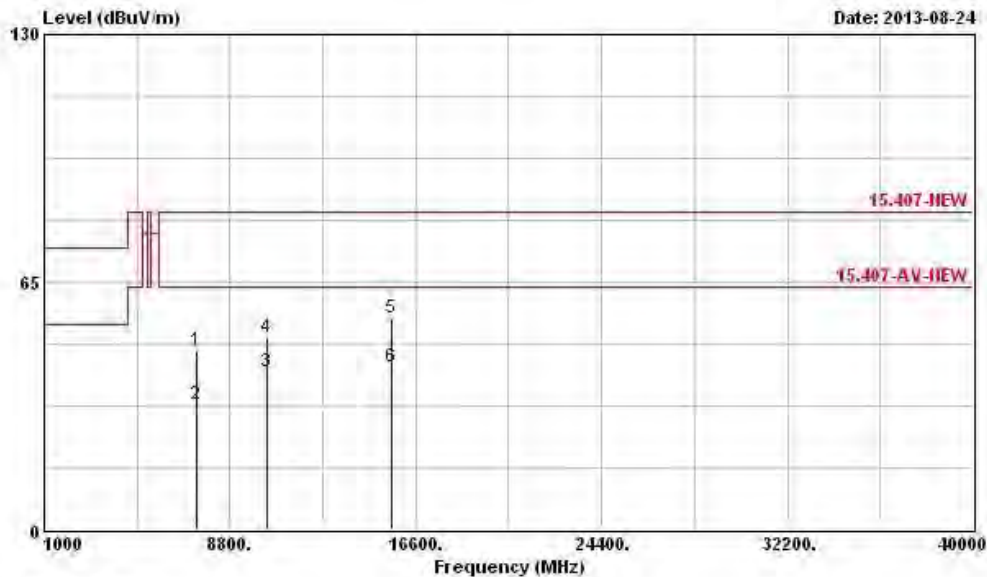
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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

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

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	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	7387.000	46.93	-36.61	83.54	41.25	35.30	5.57	35.19	Peak	---	---
2	7387.000	33.05	-30.49	63.54	27.37	35.30	5.57	35.19	Average	---	---
3	10380.000	41.35	-22.19	63.54	32.77	37.53	6.35	35.30	Average	---	---
4	10380.000	50.58	-32.96	83.54	42.00	37.53	6.35	35.30	Peak	---	---
5	15570.000	55.77	-27.77	83.54	42.47	40.47	7.96	35.13	Peak	---	---
6	15570.000	42.95	-20.59	63.54	29.65	40.47	7.96	35.13	Average	---	---

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

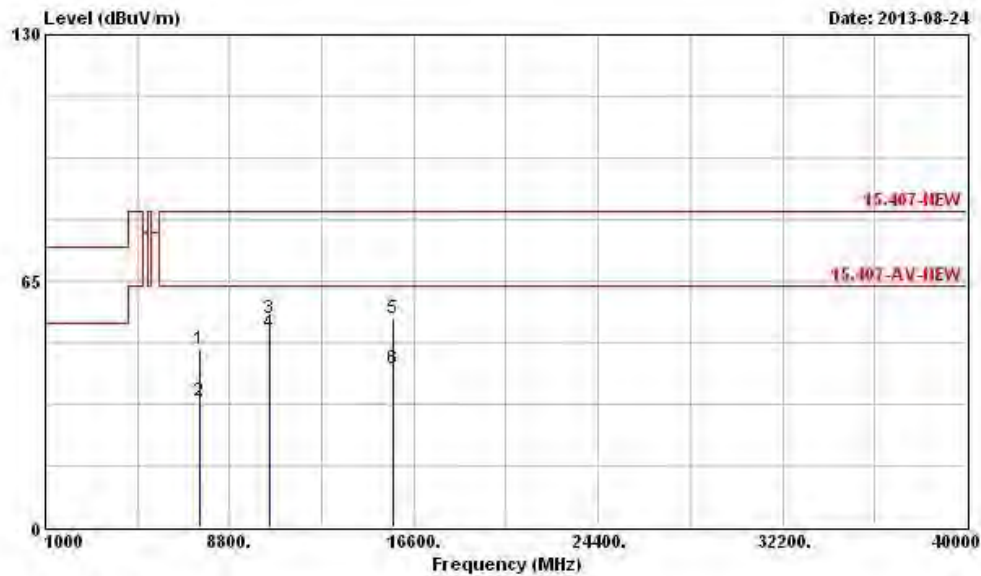
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT40	Test Freq. (MHz)	5230
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
			dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	7558.000	46.98	-36.56	83.54	41.23	35.30	5.68	35.23	Peak	---	---
2	7558.000	33.22	-30.32	63.54	27.47	35.30	5.68	35.23	Average	---	---
3	10460.000	55.11	-28.43	83.54	46.48	37.57	6.30	35.24	Peak	---	---
4	10460.000	51.30	-12.24	63.54	42.67	37.57	6.30	35.24	Average	---	---
5	15690.000	55.00	-28.54	83.54	41.81	40.59	7.86	35.26	Peak	---	---
6	15690.000	41.96	-21.58	63.54	28.77	40.59	7.86	35.26	Average	---	---

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

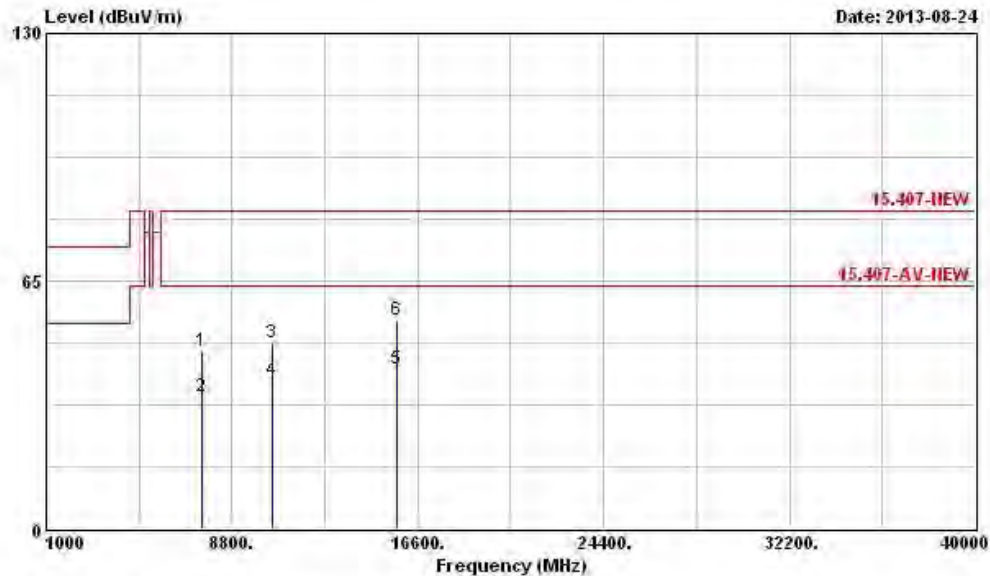
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)

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



	Freq	Level	Over Limit	Limit Line	Read Antenna 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	7531.000	46.71	-36.83	83.54	40.93	35.30	5.71	35.23	Peak	---	---
2	7531.000	34.47	-29.07	63.54	28.69	35.30	5.71	35.23	Average	---	---
3	10460.000	48.76	-34.78	83.54	40.13	37.57	6.30	35.24	Peak	---	---
4	10460.000	38.81	-24.73	63.54	30.18	37.57	6.30	35.24	Average	---	---
5	15690.000	41.88	-21.66	63.54	28.69	40.59	7.86	35.26	Average	---	---
6	15690.000	54.83	-28.71	83.54	41.64	40.59	7.86	35.26	Peak	---	---

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

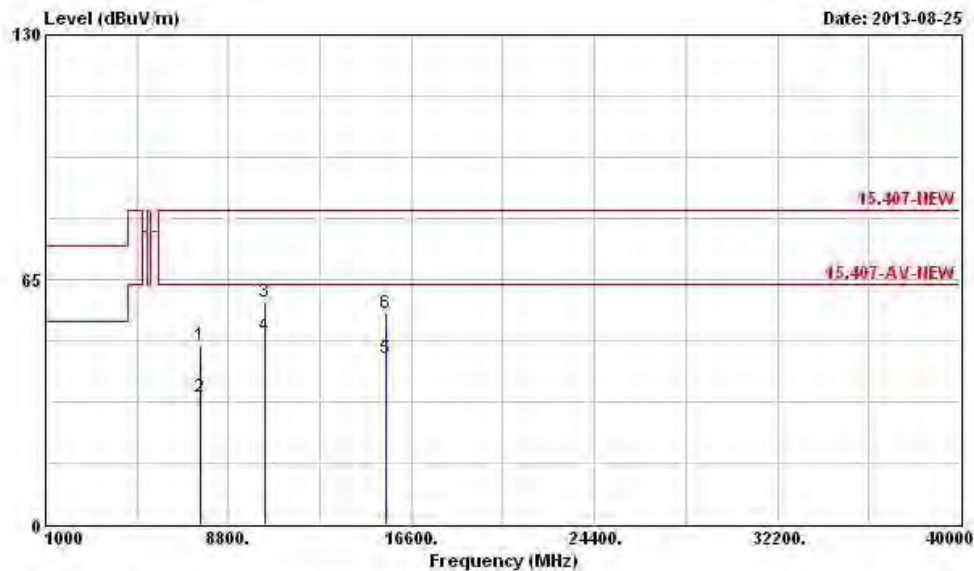
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)

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



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	dB	dBuV/m	Level	Loss	Factor	Remark	Pos	Pos
					Factor				cm	deg
1	7590.000	47.39	-36.15	83.54	41.69	35.30	5.64	35.24 Peak	---	---
2	7590.000	33.91	-29.63	63.54	28.21	35.30	5.64	35.24 Average	---	---
3	10360.000	58.93	-24.61	83.54	50.35	37.52	6.38	35.32 Peak	---	---
4	10360.000	50.12	-13.42	63.54	41.54	37.52	6.38	35.32 Average	---	---
5	15540.000	43.98	-19.56	63.54	30.67	40.43	7.99	35.11 Average	---	---
6	15540.000	56.04	-27.50	83.54	42.73	40.43	7.99	35.11 Peak	---	---

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

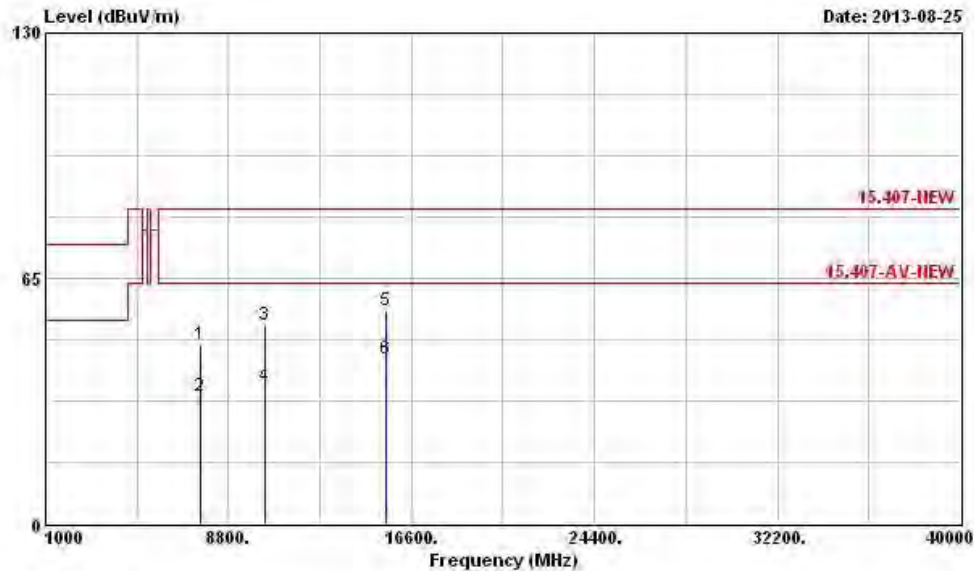
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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

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

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	7590.000	47.61	-35.93	83.54	41.91	35.30	5.64	35.24	Peak	---	---
2	7590.000	33.89	-29.65	63.54	28.19	35.30	5.64	35.24	Average	---	---
3	10360.000	52.42	-31.12	83.54	43.84	37.52	6.38	35.32	Peak	---	---
4	10360.000	36.42	-27.12	63.54	27.84	37.52	6.38	35.32	Average	---	---
5	15540.000	56.30	-27.24	83.54	42.99	40.43	7.99	35.11	Peak	---	---
6	15540.000	43.79	-19.75	63.54	30.48	40.43	7.99	35.11	Average	---	---

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

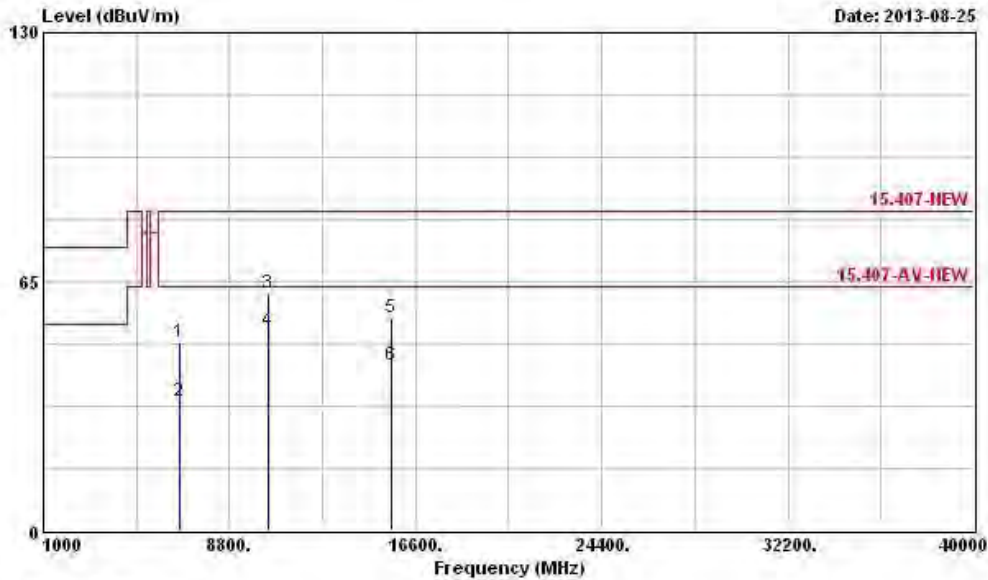
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)

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



	Freq	Level	Over Limit	Limit Line	Read Antenna Level	Antenna Factor	Cable Loss	Preamp	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	6700.000	49.08	-34.46	83.54	43.65	35.24	5.20	35.01	Peak	---	---
2	6700.000	33.85	-29.69	63.54	28.42	35.24	5.20	35.01	Average	---	---
3	10400.000	62.08	-21.46	83.54	53.47	37.54	6.35	35.28	Peak	---	---
4	10400.000	52.03	-11.51	63.54	43.42	37.54	6.35	35.28	Average	---	---
5	15600.000	55.76	-27.78	83.54	42.48	40.50	7.96	35.18	Peak	---	---
6	15600.000	43.29	-20.25	63.54	30.01	40.50	7.96	35.18	Average	---	---

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

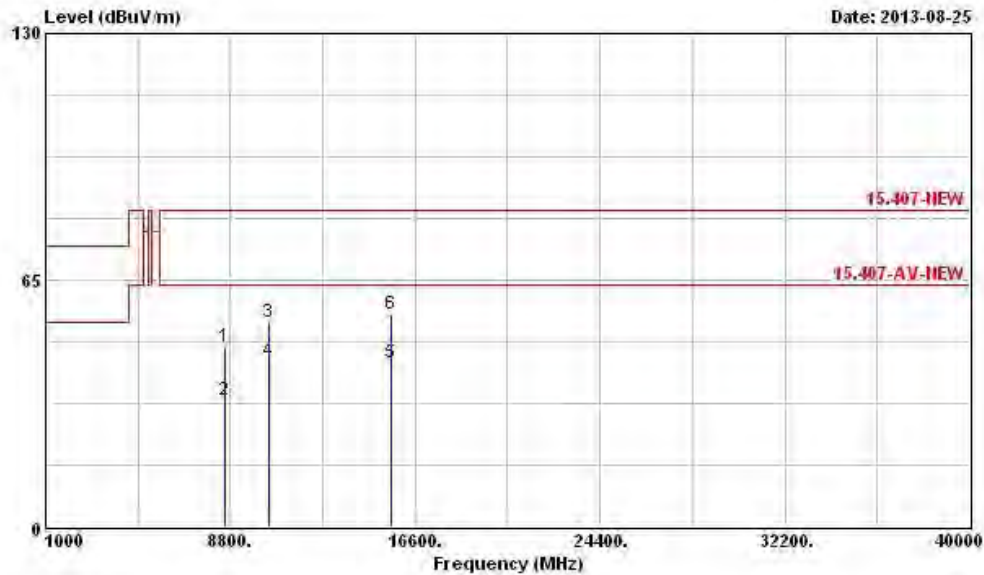
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

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	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	8590.000	47.56	-35.98	83.54	41.67	35.65	5.58	35.34	Peak	---	---
2	8590.000	33.15	-30.39	63.54	27.26	35.65	5.58	35.34	Average	---	---
3	10400.000	53.86	-29.68	83.54	45.25	37.54	6.35	35.28	Peak	---	---
4	10400.000	43.47	-20.07	63.54	34.86	37.54	6.35	35.28	Average	---	---
5	15600.000	43.22	-20.32	63.54	29.94	40.50	7.96	35.18	Average	---	---
6	15600.000	55.97	-27.57	83.54	42.69	40.50	7.96	35.18	Peak	---	---

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

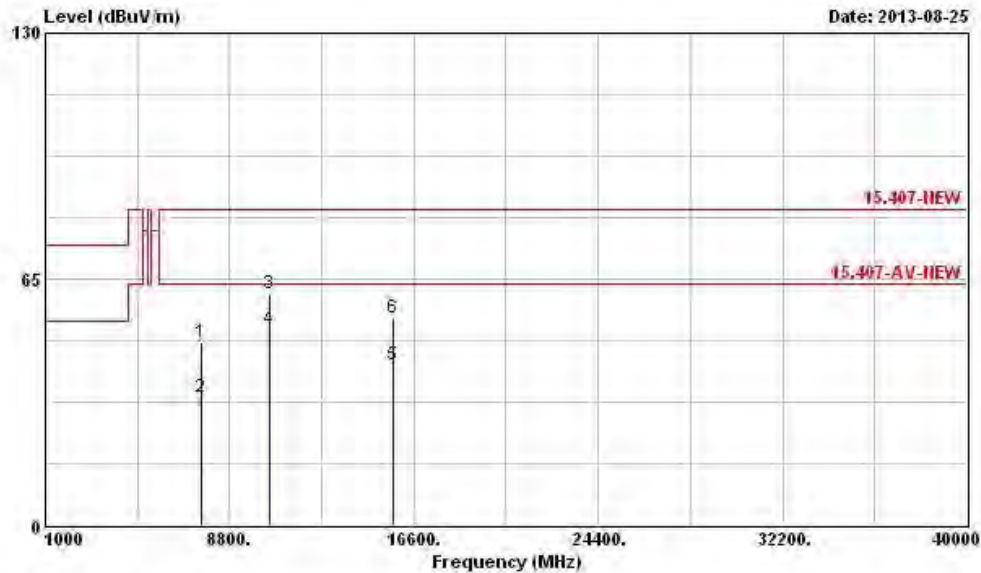
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

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



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamplifier	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	7620.000	48.29	-35.25	83.54	42.63	35.30	5.61	35.25	Peak	---	---
2	7620.000	33.91	-29.63	63.54	28.25	35.30	5.61	35.25	Average	---	---
3	10480.000	60.99	-22.55	83.54	52.32	37.59	6.30	35.22	Peak	---	---
4	10480.000	51.78	-11.76	63.54	43.11	37.59	6.30	35.22	Average	---	---
5	15720.000	42.38	-21.16	63.54	29.18	40.62	7.86	35.28	Average	---	---
6	15720.000	54.87	-28.67	83.54	41.67	40.62	7.86	35.28	Peak	---	---

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

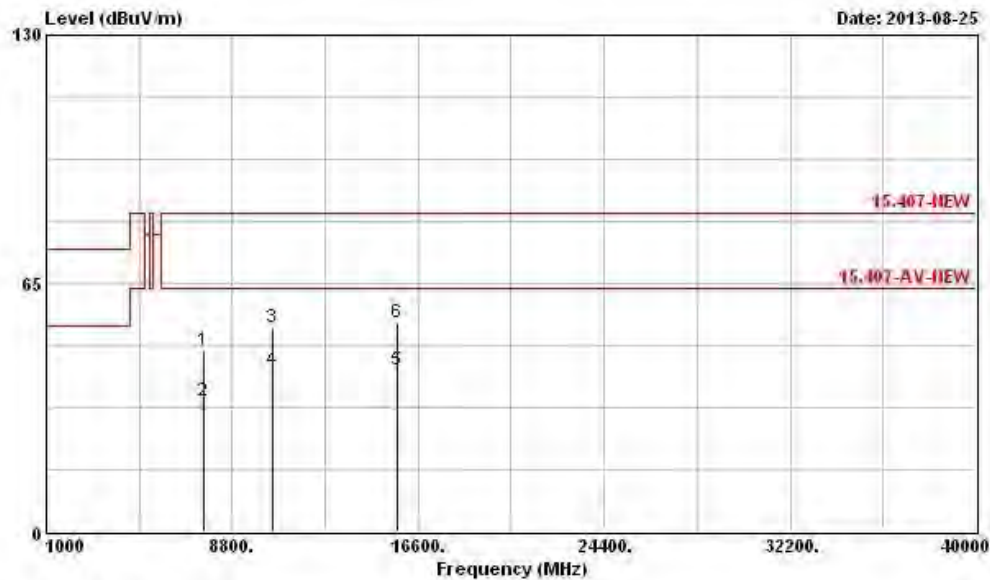
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5240
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	7590.000	47.41	-36.13	83.54	41.71	35.30	5.64	35.24	Peak	---	---
2	7590.000	34.01	-29.53	63.54	28.31	35.30	5.64	35.24	Average	---	---
3	10480.000	53.43	-30.11	83.54	44.76	37.59	6.30	35.22	Peak	---	---
4	10480.000	42.41	-21.13	63.54	33.74	37.59	6.30	35.22	Average	---	---
5	15720.000	42.33	-21.21	63.54	29.13	40.62	7.86	35.28	Average	---	---
6	15720.000	54.75	-28.79	83.54	41.55	40.62	7.86	35.28	Peak	---	---

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

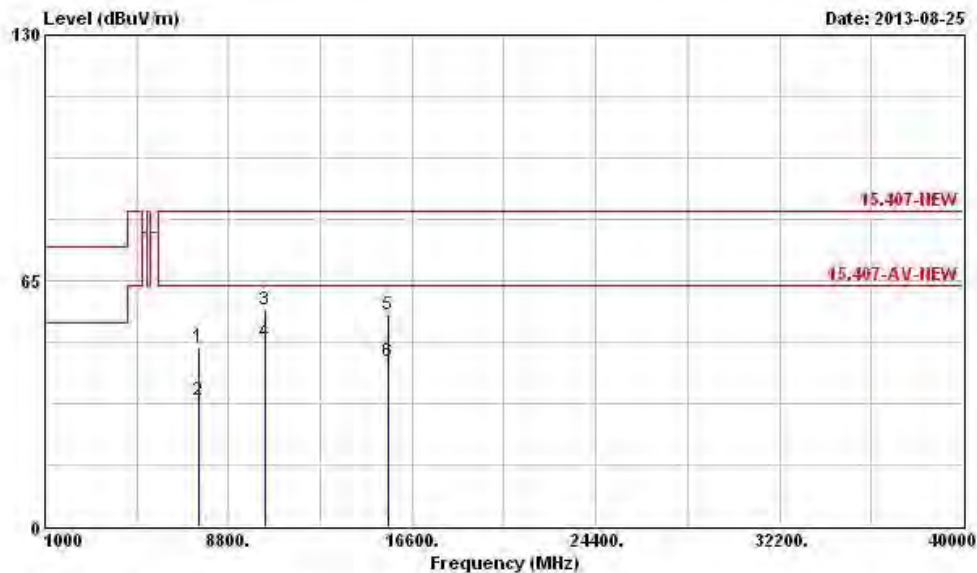
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)

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

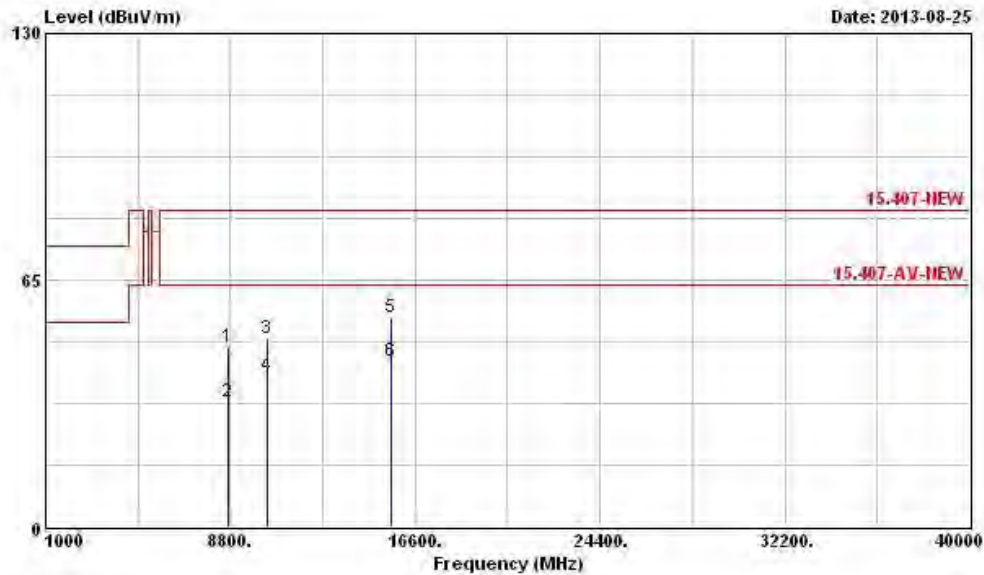


	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	7550.000	47.52	-36.02	83.54	41.77	35.30	5.68	35.23	Peak	---	---
2	7550.000	33.55	-29.99	63.54	27.80	35.30	5.68	35.23	Average	---	---
3	10380.000	57.31	-26.23	83.54	48.73	37.53	6.35	35.30	Peak	---	---
4	10380.000	48.64	-14.90	63.54	40.06	37.53	6.35	35.30	Average	---	---
5	15570.000	55.82	-27.72	83.54	42.52	40.47	7.96	35.13	Peak	---	---
6	15570.000	43.48	-20.06	63.54	30.18	40.47	7.96	35.13	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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT40	Test Freq. (MHz)	5190
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	8738.000	47.66	-35.88	83.54	41.58	35.74	5.70	35.36	Peak	---	---
2	8738.000	32.82	-30.72	63.54	26.74	35.74	5.70	35.36	Average	---	---
3	10380.000	49.79	-33.75	83.54	41.21	37.53	6.35	35.30	Peak	---	---
4	10380.000	39.63	-23.91	63.54	31.05	37.53	6.35	35.30	Average	---	---
5	15570.000	55.16	-28.38	83.54	41.86	40.47	7.96	35.13	Peak	---	---
6	15570.000	43.58	-19.96	63.54	30.28	40.47	7.96	35.13	Average	---	---

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

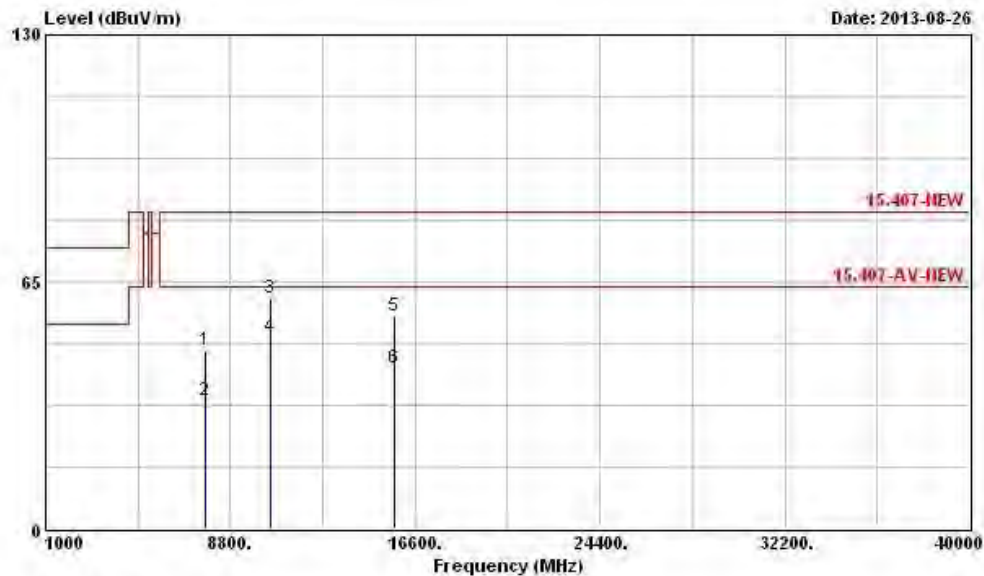
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)

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



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamplifier	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	7737.000	47.12	-36.42	83.54	41.59	35.30	5.51	35.28	Peak	---	---
2	7737.000	33.72	-29.82	63.54	28.19	35.30	5.51	35.28	Average	---	---
3	10460.000	60.88	-22.66	83.54	52.25	37.57	6.30	35.24	Peak	---	---
4	10460.000	50.35	-13.19	63.54	41.72	37.57	6.30	35.24	Average	---	---
5	15690.000	56.06	-27.48	83.54	42.87	40.59	7.86	35.26	Peak	---	---
6	15690.000	42.47	-21.07	63.54	29.28	40.59	7.86	35.26	Average	---	---

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

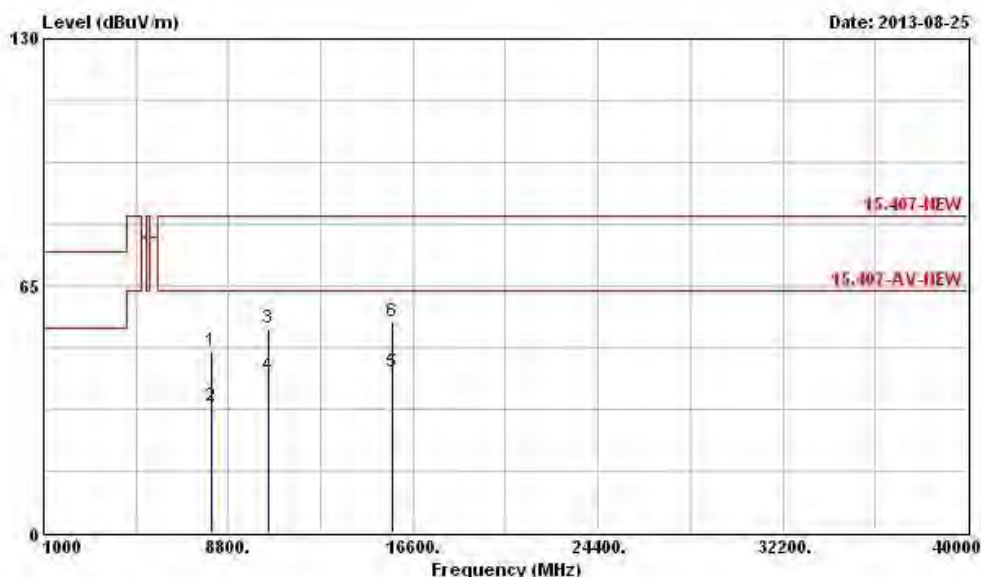
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)

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



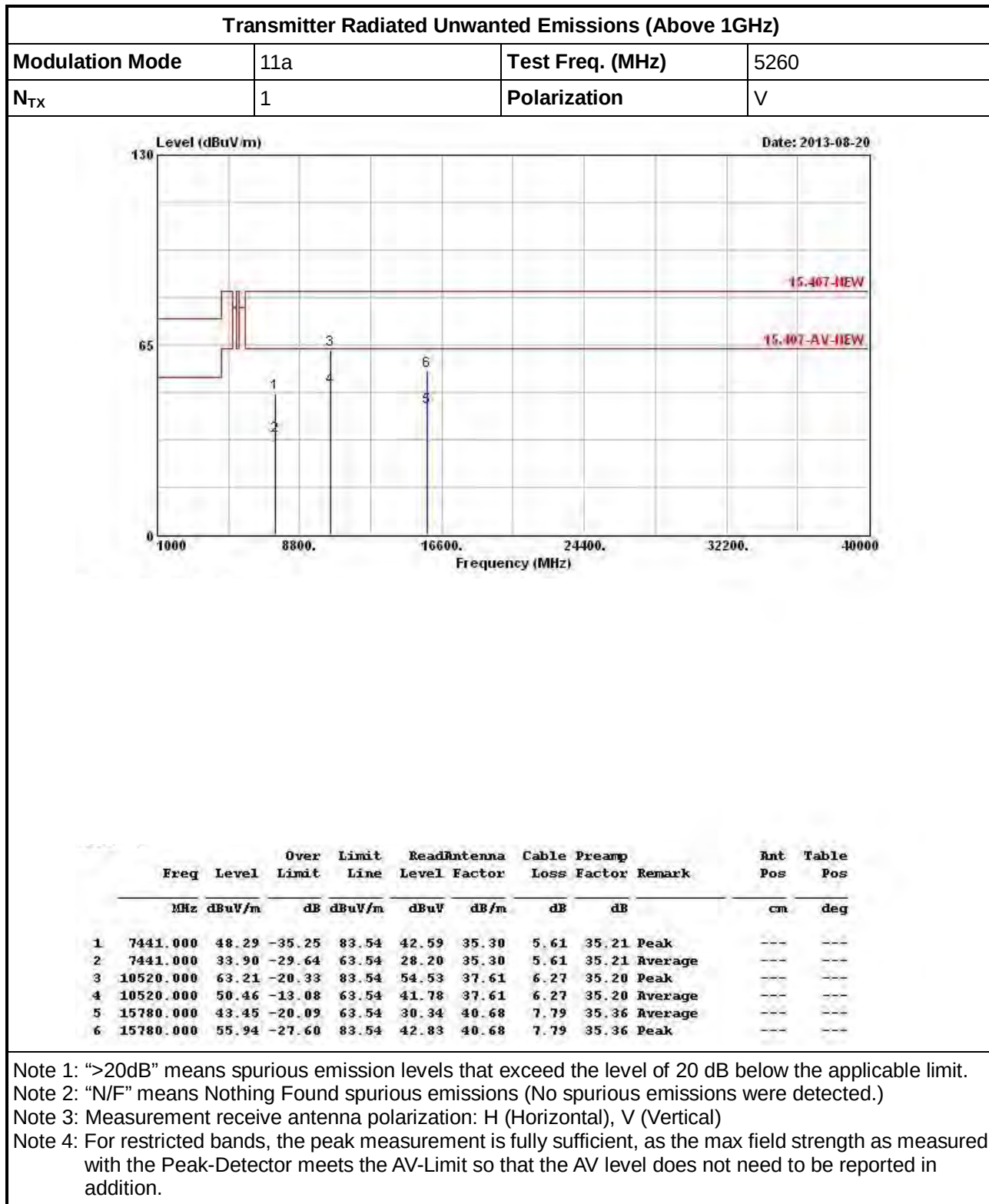
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamplifier	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8089.000	47.78	-35.76	83.54	42.43	35.35	5.35	35.35	Peak	---	---
2	8089.000	33.40	-30.14	63.54	28.05	35.35	5.35	35.35	Average	---	---
3	10460.000	53.83	-29.71	83.54	45.20	37.57	6.30	35.24	Peak	---	---
4	10460.000	41.49	-22.05	63.54	32.86	37.57	6.30	35.24	Average	---	---
5	15690.000	42.42	-21.12	63.54	29.23	40.59	7.86	35.26	Average	---	---
6	15690.000	55.44	-28.10	83.54	42.25	40.59	7.86	35.26	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.)

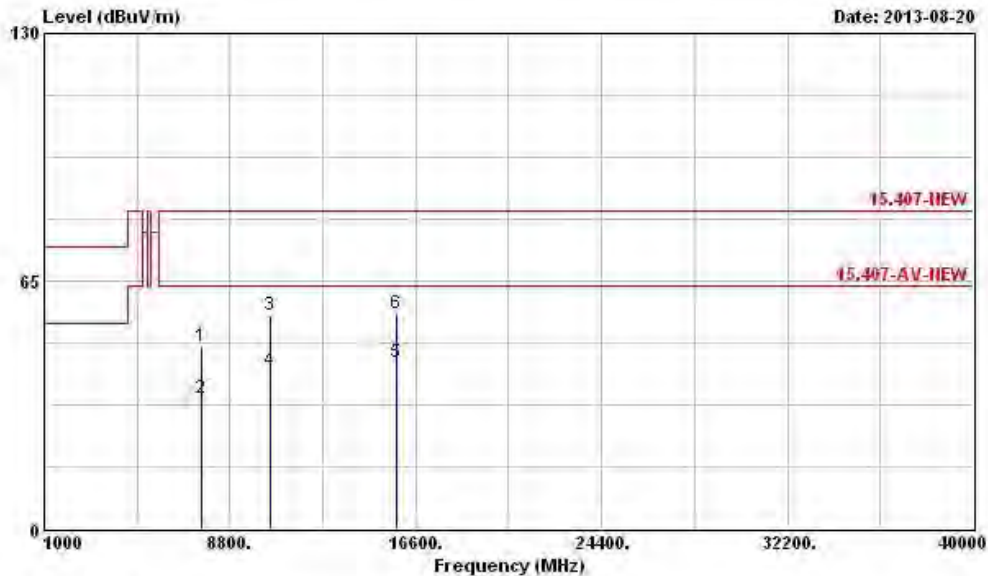
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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.

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	Limit Line	Read Antenna 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	7573.000	47.83	-35.71	83.54	42.13	35.30	5.64	35.24	Peak	---	---
2	7573.000	34.35	-29.19	63.54	28.65	35.30	5.64	35.24	Average	---	---
3	10520.000	56.16	-27.38	83.54	47.48	37.61	6.27	35.20	Peak	---	---
4	10520.000	41.61	-21.93	63.54	32.93	37.61	6.27	35.20	Average	---	---
5	15780.000	43.53	-20.01	63.54	30.42	40.68	7.79	35.36	Average	---	---
6	15780.000	56.31	-27.23	83.54	43.20	40.68	7.79	35.36	Peak	---	---

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

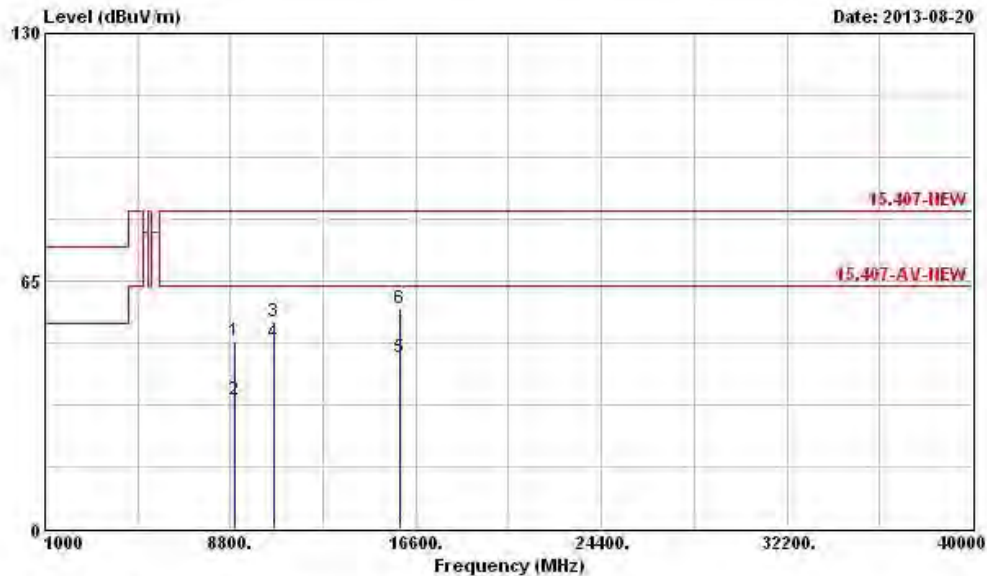
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a	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	8981.000	49.08	-34.46	83.54	42.63	35.88	5.98	35.41	Peak	---	---
2	8981.000	33.94	-29.60	63.54	27.49	35.88	5.98	35.41	Average	---	---
3	10600.000	54.22	-29.32	83.54	45.43	37.66	6.27	35.14	Peak	---	---
4	10600.000	48.77	-14.77	63.54	39.98	37.66	6.27	35.14	Average	---	---
5	15900.000	44.84	-18.70	63.54	31.81	40.80	7.69	35.46	Average	---	---
6	15900.000	57.85	-25.69	83.54	44.82	40.80	7.69	35.46	Peak	---	---

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

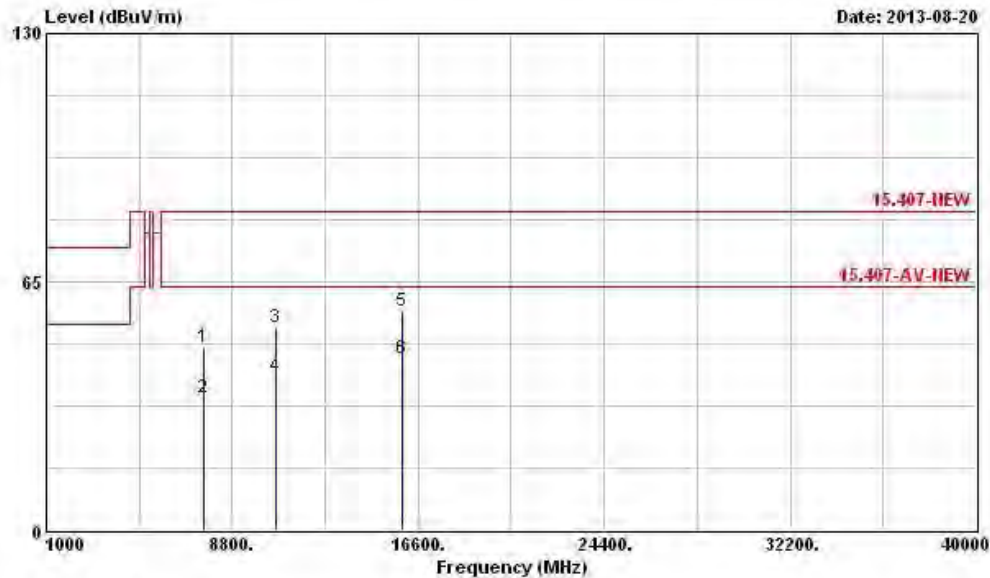
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a	Test Freq. (MHz)	5300
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	7606.000	47.73	-35.81	83.54	42.04	35.30	5.64	35.25	Peak	---	---
2	7606.000	34.51	-29.03	63.54	28.82	35.30	5.64	35.25	Average	---	---
3	10600.000	52.87	-30.67	83.54	44.08	37.66	6.27	35.14	Peak	---	---
4	10600.000	40.23	-23.31	63.54	31.44	37.66	6.27	35.14	Average	---	---
5	15900.000	57.48	-26.06	83.54	44.45	40.80	7.69	35.46	Peak	---	---
6	15900.000	44.89	-18.65	63.54	31.86	40.80	7.69	35.46	Average	---	---

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

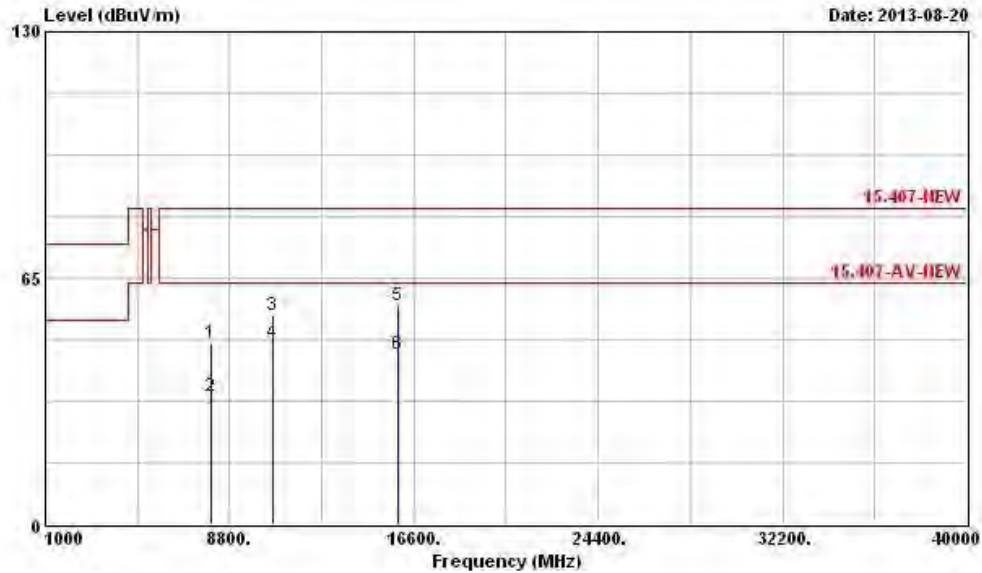
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

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		Rnt	Table
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark	Pos	Pos
			dB	dBuV/m	dBuV	dB/m	dB		cm	deg
1	8046.000	47.72	-35.82	83.54	42.42	35.32	5.33	35.35 Peak	---	---
2	8046.000	33.82	-29.72	63.54	28.52	35.32	5.33	35.35 Average	---	---
3	10640.000	54.96	-28.58	83.54	46.12	37.68	6.26	35.10 Peak	---	---
4	10640.000	47.79	-15.75	63.54	38.95	37.68	6.26	35.10 Average	---	---
5	15960.000	57.54	-26.00	83.54	44.58	40.87	7.62	35.53 Peak	---	---
6	15960.000	44.91	-18.63	63.54	31.95	40.87	7.62	35.53 Average	---	---

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

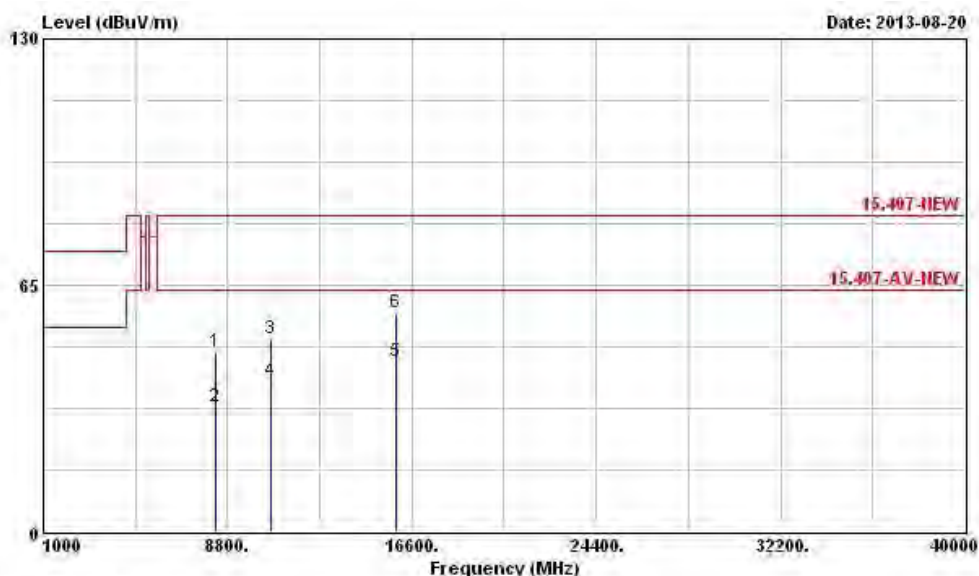
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)

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



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Loss	Preamp Factor	Remark	Rnt Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8310.000	47.64	-35.90	83.54	42.08	35.49	5.40	35.33 Peak	---	---
2	8310.000	33.09	-30.45	63.54	27.53	35.49	5.40	35.33 Average	---	---
3	10640.000	50.83	-32.71	83.54	41.99	37.68	6.26	35.10 Peak	---	---
4	10640.000	39.60	-23.94	63.54	30.76	37.68	6.26	35.10 Average	---	---
5	15960.000	44.83	-18.71	63.54	31.87	40.87	7.62	35.53 Average	---	---
6	15960.000	57.94	-25.60	83.54	44.98	40.87	7.62	35.53 Peak	---	---

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

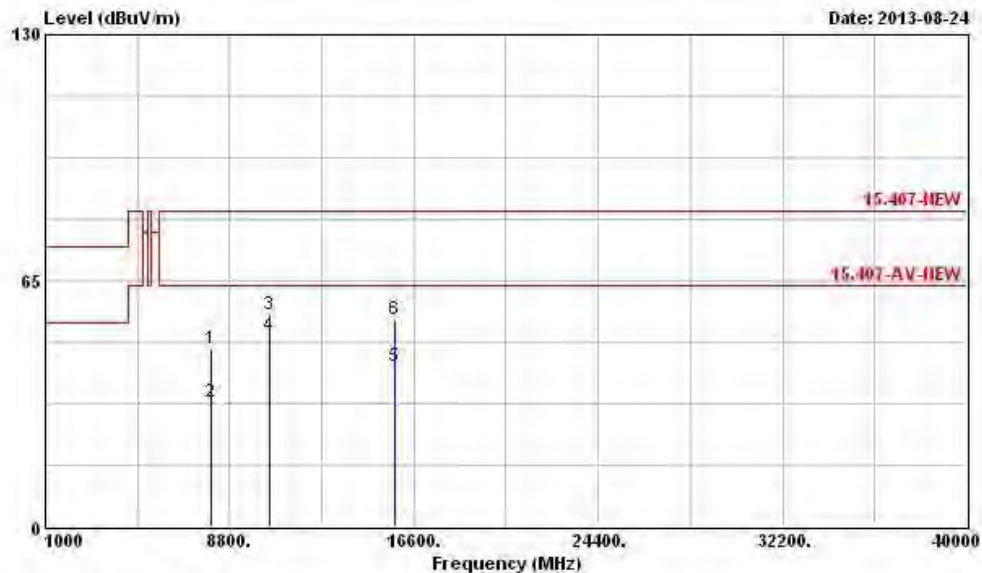
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)

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



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level Factor	Cable Loss	Preamp Factor	Remark	Rnt Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8046.000	47.04	-36.50	83.54	41.74	35.32	5.33	35.35 Peak	---	---
2	8046.000	32.99	-30.55	63.54	27.69	35.32	5.33	35.35 Average	---	---
3	10520.000	55.89	-27.65	83.54	47.21	37.61	6.27	35.20 Peak	---	---
4	10520.000	50.31	-13.23	63.54	41.63	37.61	6.27	35.20 Average	---	---
5	15780.000	42.32	-21.22	63.54	29.21	40.68	7.79	35.36 Average	---	---
6	15780.000	54.84	-28.70	83.54	41.73	40.68	7.79	35.36 Peak	---	---

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

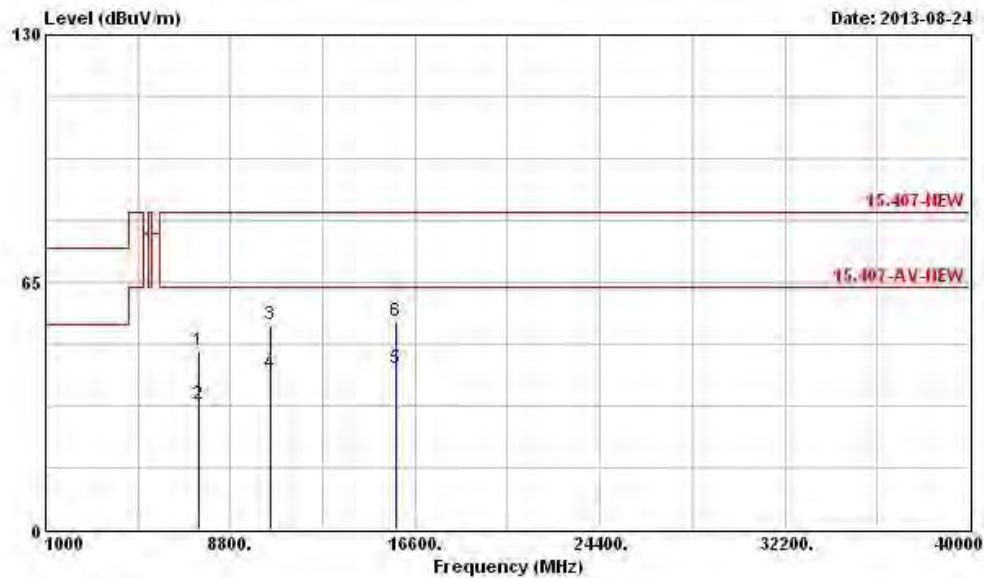
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

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



	Freq	Level	Over Limit	Limit Line	Read Antenna Level	Antenna Factor	Cable Loss	Preamplifier	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	7441.000	46.84	-36.70	83.54	41.14	35.30	5.61	35.21	Peak	---	---
2	7441.000	32.93	-30.61	63.54	27.23	35.30	5.61	35.21	Average	---	---
3	10520.000	53.68	-29.86	83.54	45.00	37.61	6.27	35.20	Peak	---	---
4	10520.000	41.26	-22.28	63.54	32.58	37.61	6.27	35.20	Average	---	---
5	15780.000	42.34	-21.20	63.54	29.23	40.68	7.79	35.36	Average	---	---
6	15780.000	54.73	-28.81	83.54	41.62	40.68	7.79	35.36	Peak	---	---

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

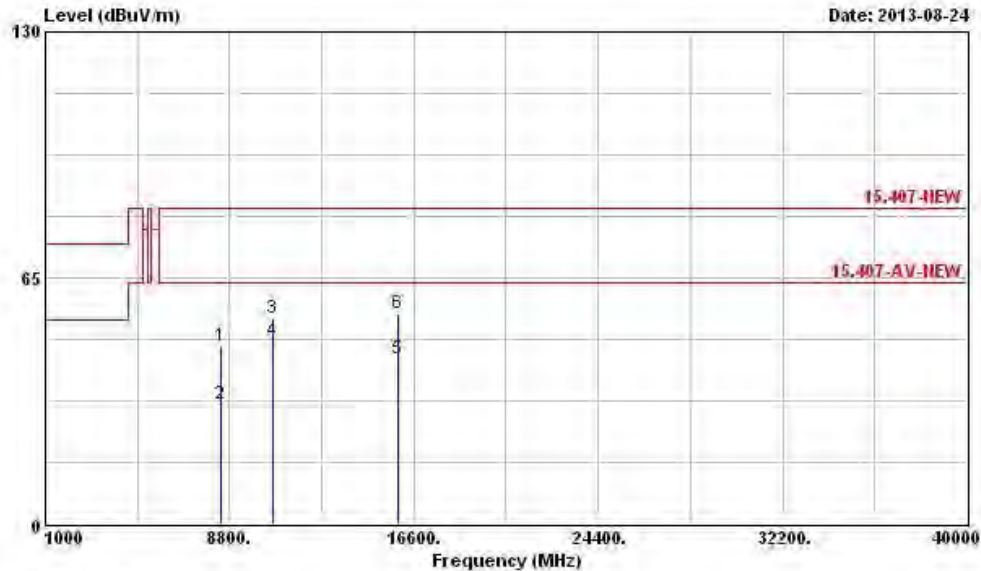
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

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



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Rnt	Table
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark	Pos	Pos
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8442.000	47.02	-36.52	83.54	41.32	35.57	5.45	35.32 Peak	---	---
2	8442.000	31.81	-31.73	63.54	26.11	35.57	5.45	35.32 Average	---	---
3	10600.000	54.25	-29.29	83.54	45.46	37.66	6.27	35.14 Peak	---	---
4	10600.000	48.39	-15.15	63.54	39.60	37.66	6.27	35.14 Average	---	---
5	15900.000	43.83	-19.71	63.54	30.80	40.80	7.69	35.46 Average	---	---
6	15900.000	55.75	-27.79	83.54	42.72	40.80	7.69	35.46 Peak	---	---

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

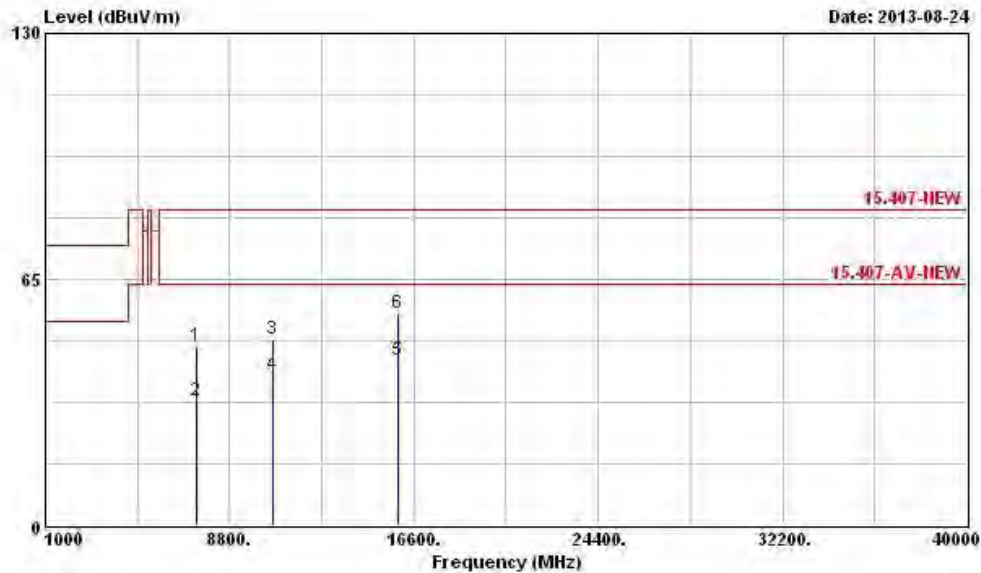
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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

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

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	Remark	Pos	Pos
			dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	7385.000	47.30	-36.24	83.54	41.62	35.30	5.57	35.19	Peak	---	---
2	7385.000	33.00	-30.54	63.54	27.32	35.30	5.57	35.19	Average	---	---
3	10600.000	49.19	-34.35	83.54	40.40	37.66	6.27	35.14	Peak	---	---
4	10600.000	39.87	-23.67	63.54	31.08	37.66	6.27	35.14	Average	---	---
5	15900.000	43.79	-19.75	63.54	30.76	40.80	7.69	35.46	Average	---	---
6	15900.000	56.11	-27.43	83.54	43.08	40.80	7.69	35.46	Peak	---	---

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

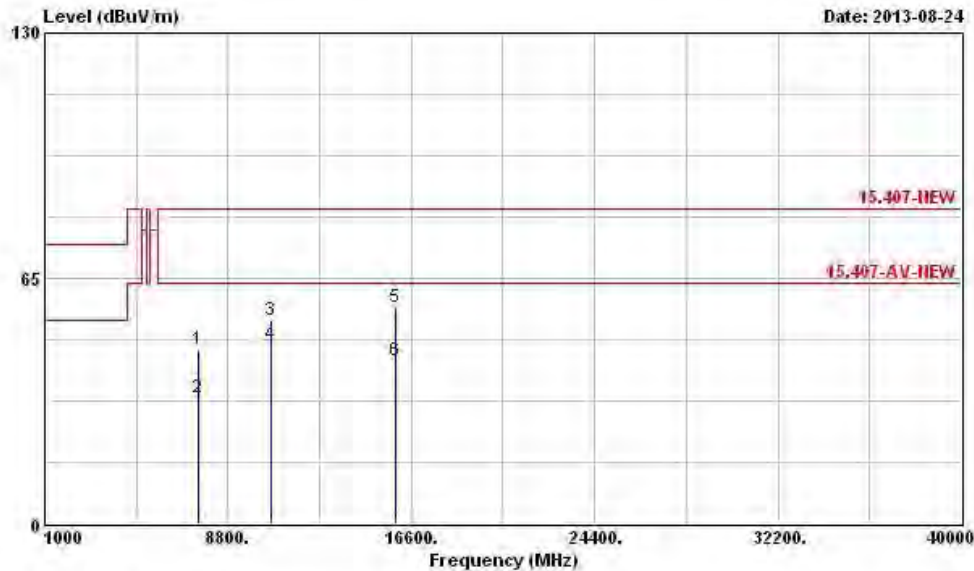
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5320
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	7561.000	46.37	-37.17	83.54	40.62	35.30	5.68	35.23	Peak	---	---
2	7561.000	33.16	-30.38	63.54	27.41	35.30	5.68	35.23	Average	---	---
3	10640.000	53.91	-29.63	83.54	45.07	37.68	6.26	35.10	Peak	---	---
4	10640.000	47.53	-16.01	63.54	38.69	37.68	6.26	35.10	Average	---	---
5	15960.000	57.20	-26.34	83.54	44.24	40.87	7.62	35.53	Peak	---	---
6	15960.000	43.38	-20.16	63.54	30.42	40.87	7.62	35.53	Average	---	---

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

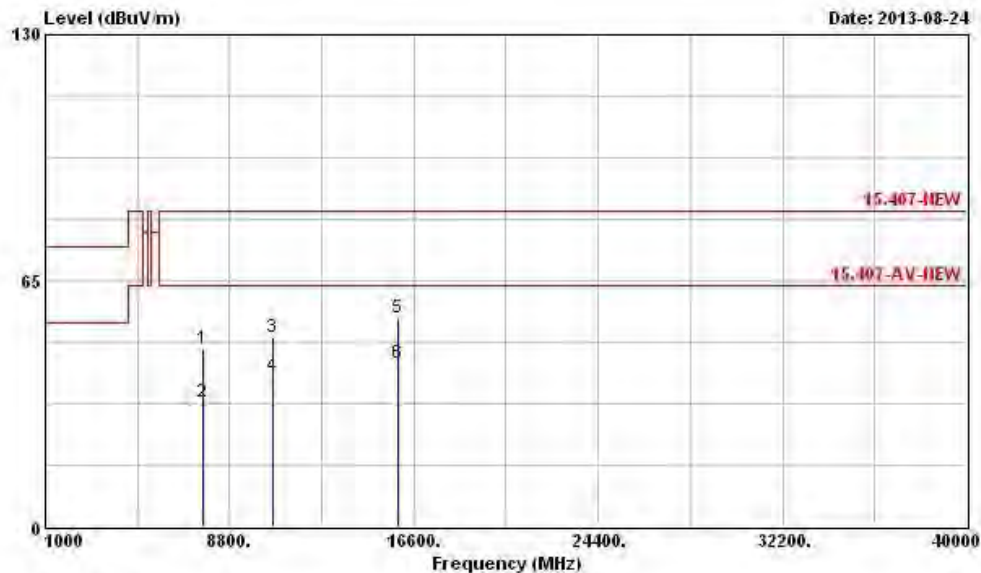
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

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	Pos	Pos
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	7693.000	46.91	-36.63	83.54	41.34	35.30	5.54	35.27	Peak	---
2	7693.000	32.96	-30.58	63.54	27.39	35.30	5.54	35.27	Average	---
3	10640.000	50.00	-33.54	83.54	41.16	37.68	6.26	35.10	Peak	---
4	10640.000	39.74	-23.80	63.54	30.90	37.68	6.26	35.10	Average	---
5	15960.000	55.30	-28.24	83.54	42.34	40.87	7.62	35.53	Peak	---
6	15960.000	43.37	-20.17	63.54	30.41	40.87	7.62	35.53	Average	---

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

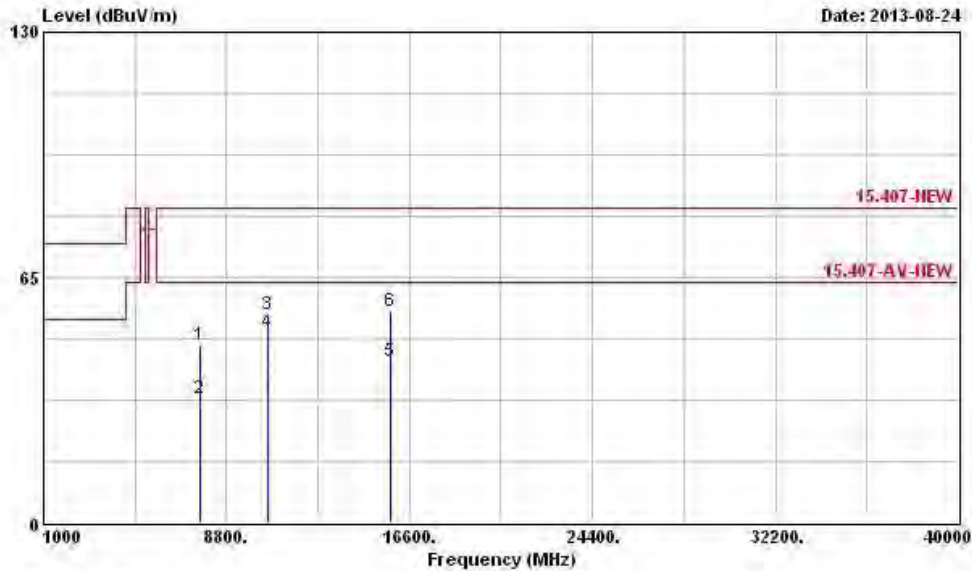
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)

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



	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	7702.000	47.14	-36.40	83.54	41.57	35.30	5.54	35.27	Peak	---	---
2	7702.000	33.01	-30.53	63.54	27.44	35.30	5.54	35.27	Average	---	---
3	10540.000	55.37	-28.17	83.54	46.66	37.62	6.27	35.18	Peak	---	---
4	10540.000	50.26	-13.28	63.54	41.55	37.62	6.27	35.18	Average	---	---
5	15810.000	42.93	-20.61	63.54	29.84	40.71	7.76	35.38	Average	---	---
6	15810.000	56.01	-27.53	83.54	42.92	40.71	7.76	35.38	Peak	---	---

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

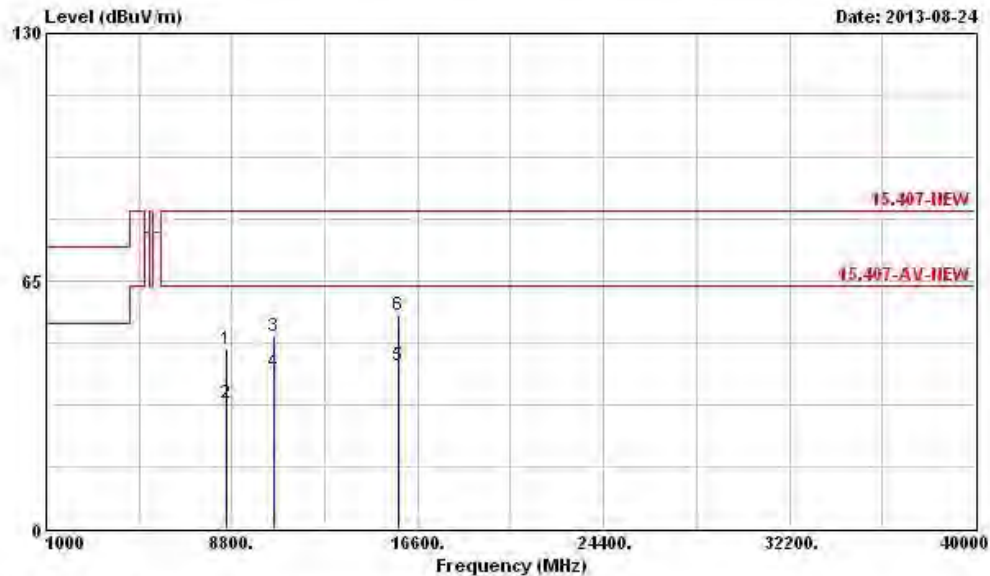
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)

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



	Freq	Level	Over Limit	Limit Line	Read Antenna 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	8566.000	46.90	-36.64	83.54	41.05	35.64	5.54	35.33	Peak	---	---
2	8566.000	33.01	-30.53	63.54	27.16	35.64	5.54	35.33	Average	---	---
3	10540.000	50.48	-33.06	83.54	41.77	37.62	6.27	35.18	Peak	---	---
4	10540.000	41.20	-22.34	63.54	32.49	37.62	6.27	35.18	Average	---	---
5	15810.000	42.97	-20.57	63.54	29.88	40.71	7.76	35.38	Average	---	---
6	15810.000	56.03	-27.51	83.54	42.94	40.71	7.76	35.38	Peak	---	---

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

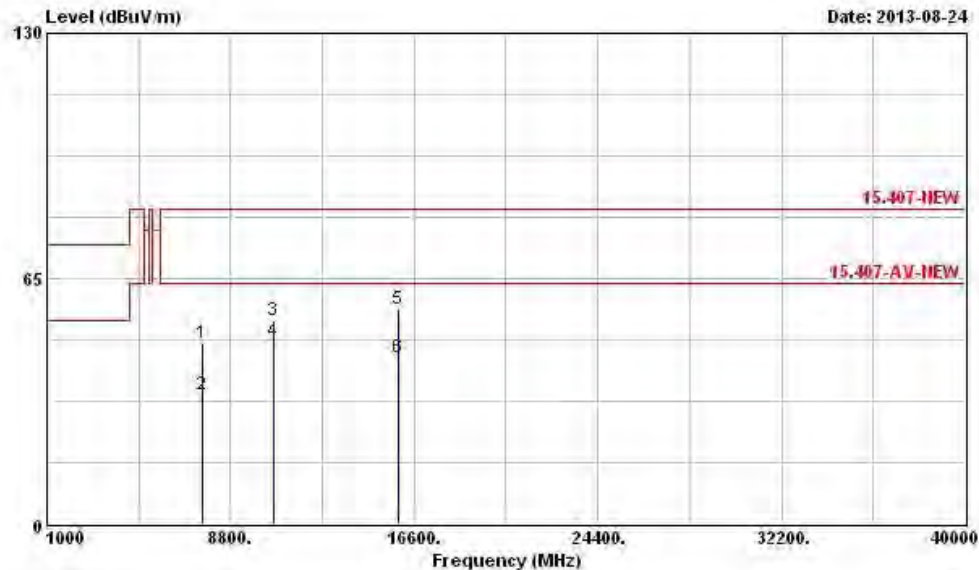
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT40	Test Freq. (MHz)	5310
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	7605.000	47.73	-35.81	83.54	42.04	35.30	5.64	35.25	Peak	---	---
2	7605.000	34.25	-29.29	63.54	28.56	35.30	5.64	35.25	Average	---	---
3	10620.000	53.72	-29.82	83.54	44.91	37.67	6.26	35.12	Peak	---	---
4	10620.000	48.37	-15.17	63.54	39.56	37.67	6.26	35.12	Average	---	---
5	15930.000	57.00	-26.54	83.54	43.99	40.83	7.66	35.48	Peak	---	---
6	15930.000	43.89	-19.65	63.54	30.88	40.83	7.66	35.48	Average	---	---

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

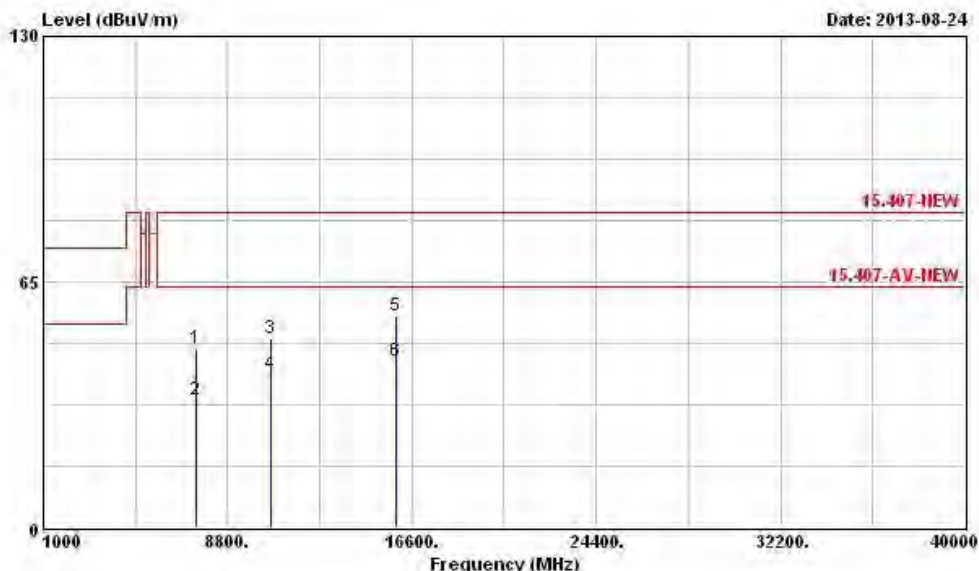
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

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	7462.000	47.31	-36.23	83.54	41.56	35.30	5.66	35.21	Peak	---	---
2	7462.000	33.67	-29.87	63.54	27.92	35.30	5.66	35.21	Average	---	---
3	10620.000	50.01	-33.53	83.54	41.20	37.67	6.26	35.12	Peak	---	---
4	10620.000	40.57	-22.97	63.54	31.76	37.67	6.26	35.12	Average	---	---
5	15930.000	55.98	-27.56	83.54	42.97	40.83	7.66	35.48	Peak	---	---
6	15930.000	43.92	-19.62	63.54	30.91	40.83	7.66	35.48	Average	---	---

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

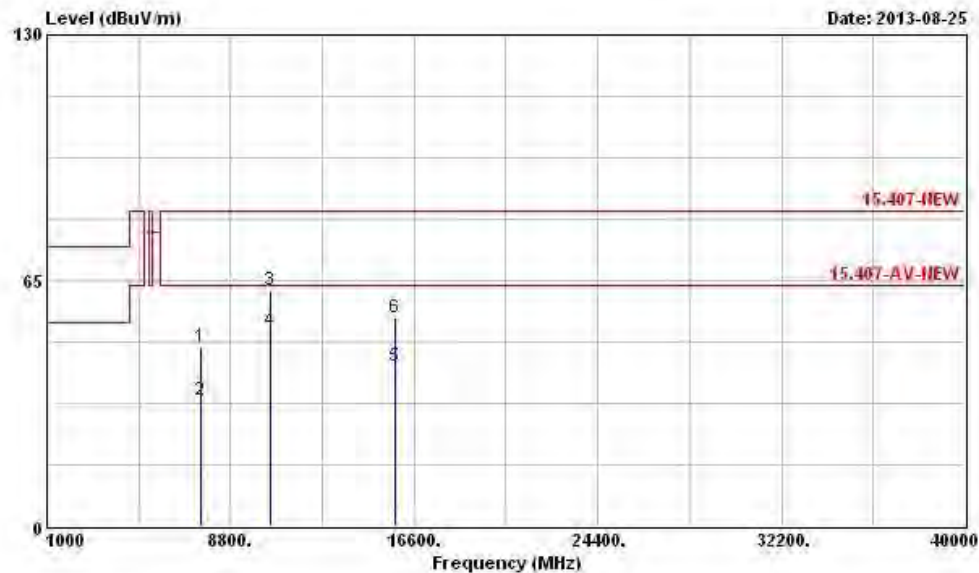
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5260
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	7500.000	47.31	-36.23	83.54	41.52	35.30	5.71	35.22	Peak	---	---
2	7500.000	33.35	-30.19	63.54	27.56	35.30	5.71	35.22	Average	---	---
3	10520.000	62.47	-21.07	83.54	53.79	37.61	6.27	35.20	Peak	---	---
4	10520.000	51.79	-11.75	63.54	43.11	37.61	6.27	35.20	Average	---	---
5	15780.000	42.33	-21.21	63.54	29.22	40.68	7.79	35.36	Average	---	---
6	15780.000	54.98	-28.56	83.54	41.87	40.68	7.79	35.36	Peak	---	---

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

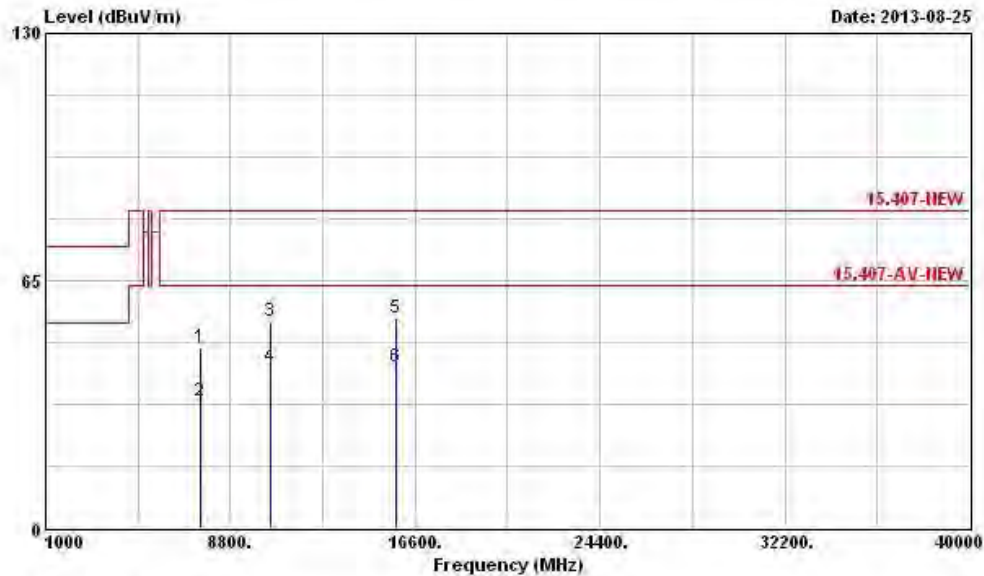
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5260
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	7510.000	47.47	-36.07	83.54	41.68	35.30	5.71	35.22	Peak	---	---
2	7510.000	33.31	-30.23	63.54	27.52	35.30	5.71	35.22	Average	---	---
3	10520.000	54.20	-29.34	83.54	45.52	37.61	6.27	35.20	Peak	---	---
4	10520.000	42.28	-21.26	63.54	33.60	37.61	6.27	35.20	Average	---	---
5	15780.000	54.96	-28.58	83.54	41.85	40.68	7.79	35.36	Peak	---	---
6	15780.000	42.41	-21.13	63.54	29.30	40.68	7.79	35.36	Average	---	---

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

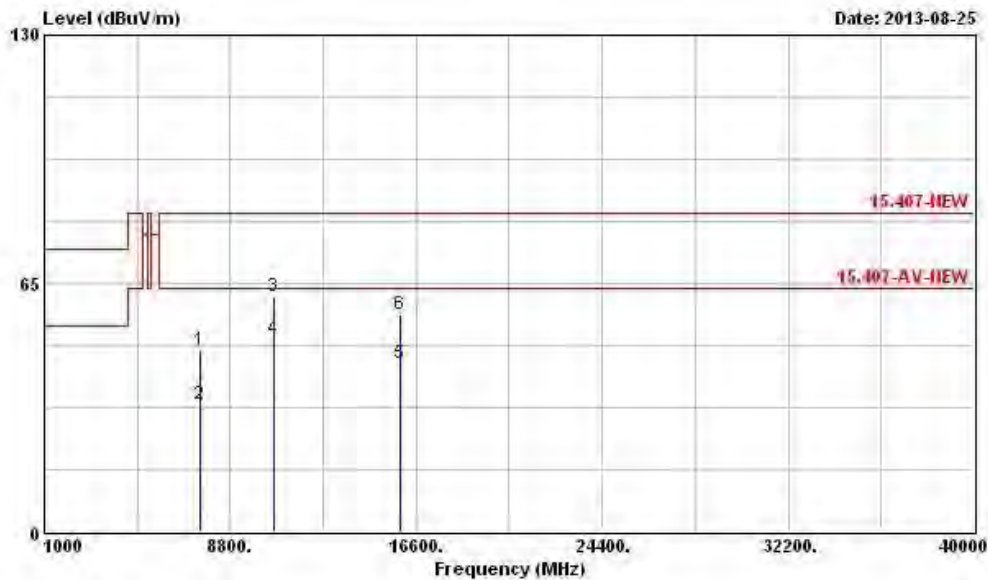
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

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	7510.000	47.60	-35.94	83.54	41.81	35.30	5.71	35.22	Peak	---	---
2	7510.000	33.41	-30.13	63.54	27.62	35.30	5.71	35.22	Average	---	---
3	10600.000	61.77	-21.77	83.54	52.98	37.66	6.27	35.14	Peak	---	---
4	10600.000	50.52	-13.02	63.54	41.73	37.66	6.27	35.14	Average	---	---
5	15900.000	43.93	-19.61	63.54	30.90	40.80	7.69	35.46	Average	---	---
6	15900.000	56.96	-26.58	83.54	43.93	40.80	7.69	35.46	Peak	---	---

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

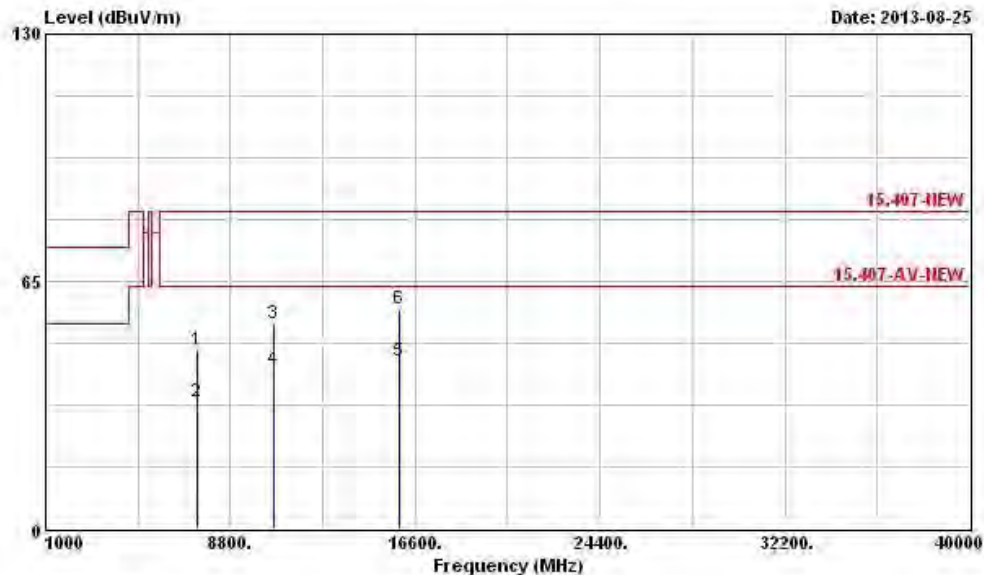
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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

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

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	Preamplifier	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	7380.000	47.13	-36.41	83.54	41.45	35.30	5.57	35.19	Peak	---	---
2	7380.000	33.49	-30.05	63.54	27.81	35.30	5.57	35.19	Average	---	---
3	10600.000	53.88	-29.66	83.54	45.09	37.66	6.27	35.14	Peak	---	---
4	10600.000	41.75	-21.79	63.54	32.96	37.66	6.27	35.14	Average	---	---
5	15900.000	43.96	-19.58	63.54	30.93	40.80	7.69	35.46	Average	---	---
6	15900.000	57.70	-25.84	83.54	44.67	40.80	7.69	35.46	Peak	---	---

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

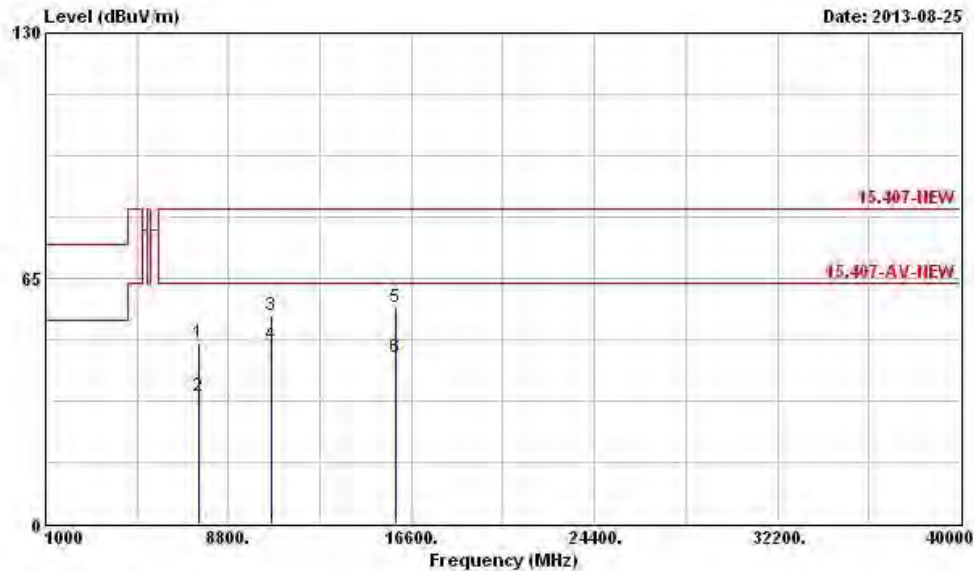
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

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

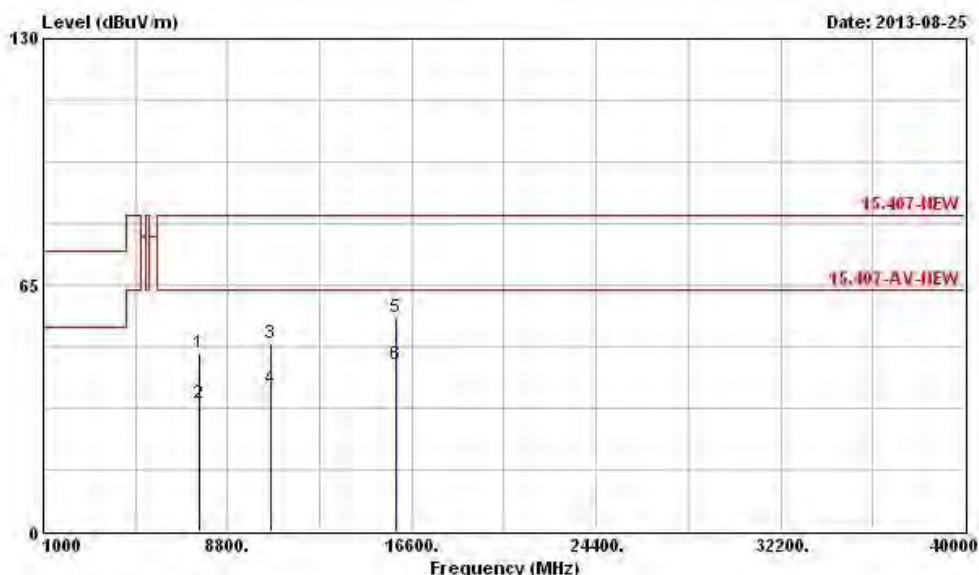


	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	7500.000	47.87	-35.67	83.54	42.08	35.30	5.71	35.22	Peak	---	---
2	7500.000	33.80	-29.74	63.54	28.01	35.30	5.71	35.22	Average	---	---
3	10640.000	54.97	-28.57	83.54	46.13	37.68	6.26	35.10	Peak	---	---
4	10640.000	47.34	-16.20	63.54	38.50	37.68	6.26	35.10	Average	---	---
5	15960.000	57.43	-26.11	83.54	44.47	40.87	7.62	35.53	Peak	---	---
6	15960.000	43.99	-19.55	63.54	31.03	40.87	7.62	35.53	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.

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		Rnt	Table
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark	Pos	Pos
			dB	dBuV/m	dBuV	dB/m	dB		cm	deg
1	7580.000	46.83	-36.71	83.54	41.13	35.30	5.64	35.24 Peak	---	---
2	7580.000	33.75	-29.79	63.54	28.05	35.30	5.64	35.24 Average	---	---
3	10640.000	49.77	-33.77	83.54	40.93	37.68	6.26	35.10 Peak	---	---
4	10640.000	37.72	-25.82	63.54	28.88	37.68	6.26	35.10 Average	---	---
5	15960.000	56.41	-27.13	83.54	43.45	40.87	7.62	35.53 Peak	---	---
6	15960.000	43.93	-19.61	63.54	30.97	40.87	7.62	35.53 Average	---	---

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

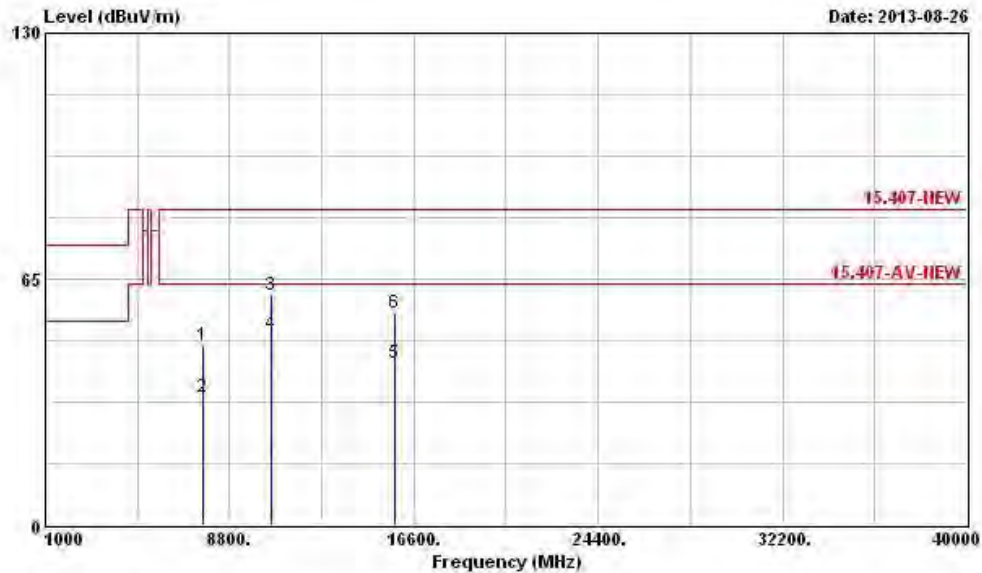
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)

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



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamplifier	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	7649.000	47.44	-36.10	83.54	41.79	35.30	5.61	35.26	Peak	---	---
2	7649.000	33.82	-29.72	63.54	28.17	35.30	5.61	35.26	Average	---	---
3	10540.000	60.69	-22.85	83.54	51.98	37.62	6.27	35.18	Peak	---	---
4	10540.000	50.52	-13.02	63.54	41.81	37.62	6.27	35.18	Average	---	---
5	15810.000	42.94	-20.60	63.54	29.85	40.71	7.76	35.38	Average	---	---
6	15810.000	55.94	-27.60	83.54	42.85	40.71	7.76	35.38	Peak	---	---

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

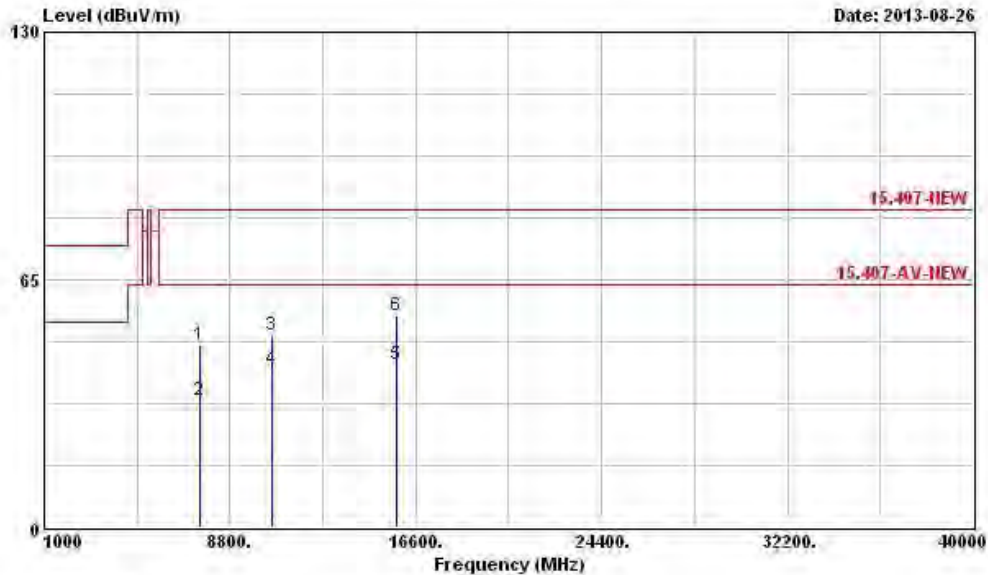
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

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	7561.000	47.69	-35.85	83.54	41.94	35.30	5.68	35.23	Peak	---	---
2	7561.000	33.53	-30.01	63.54	27.78	35.30	5.68	35.23	Average	---	---
3	10540.000	50.65	-32.89	83.54	41.94	37.62	6.27	35.18	Peak	---	---
4	10540.000	41.51	-22.03	63.54	32.80	37.62	6.27	35.18	Average	---	---
5	15810.000	42.90	-20.64	63.54	29.81	40.71	7.76	35.38	Average	---	---
6	15810.000	55.47	-28.07	83.54	42.38	40.71	7.76	35.38	Peak	---	---

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

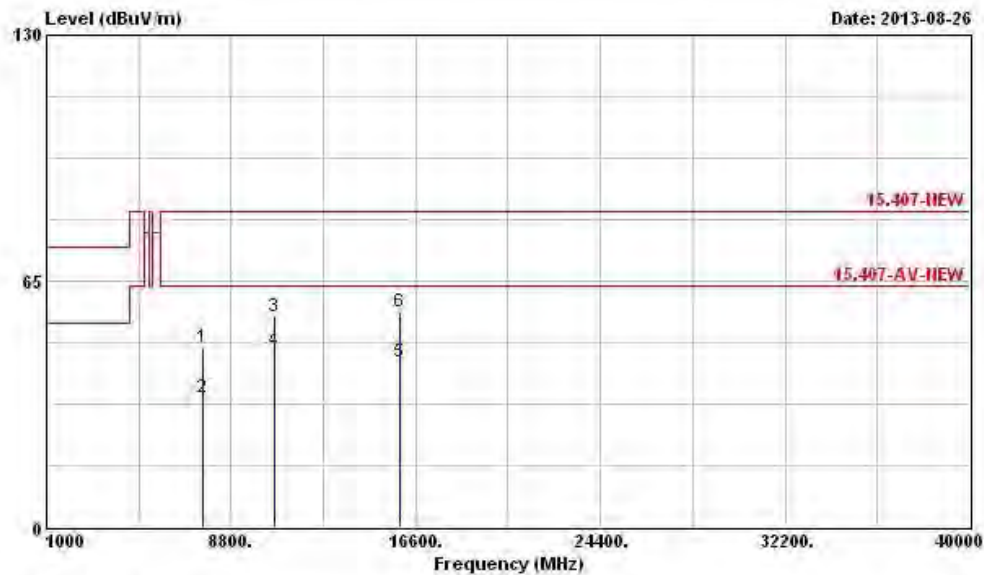
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT40	Test Freq. (MHz)	5310
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	7605.000	47.56	-35.98	83.54	41.87	35.30	5.64	35.25	Peak	---	---
2	7605.000	34.05	-29.49	63.54	28.36	35.30	5.64	35.25	Average	---	---
3	10620.000	55.73	-27.81	83.54	46.92	37.67	6.26	35.12	Peak	---	---
4	10620.000	46.73	-16.81	63.54	37.92	37.67	6.26	35.12	Average	---	---
5	15930.000	43.70	-19.84	63.54	30.69	40.83	7.66	35.48	Average	---	---
6	15930.000	56.70	-26.84	83.54	43.69	40.83	7.66	35.48	Peak	---	---

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

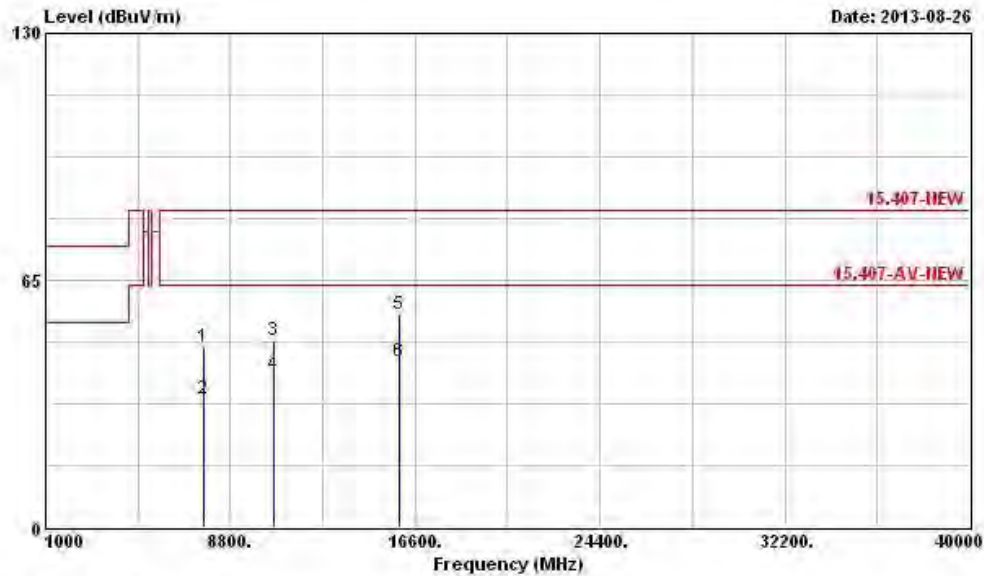
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)

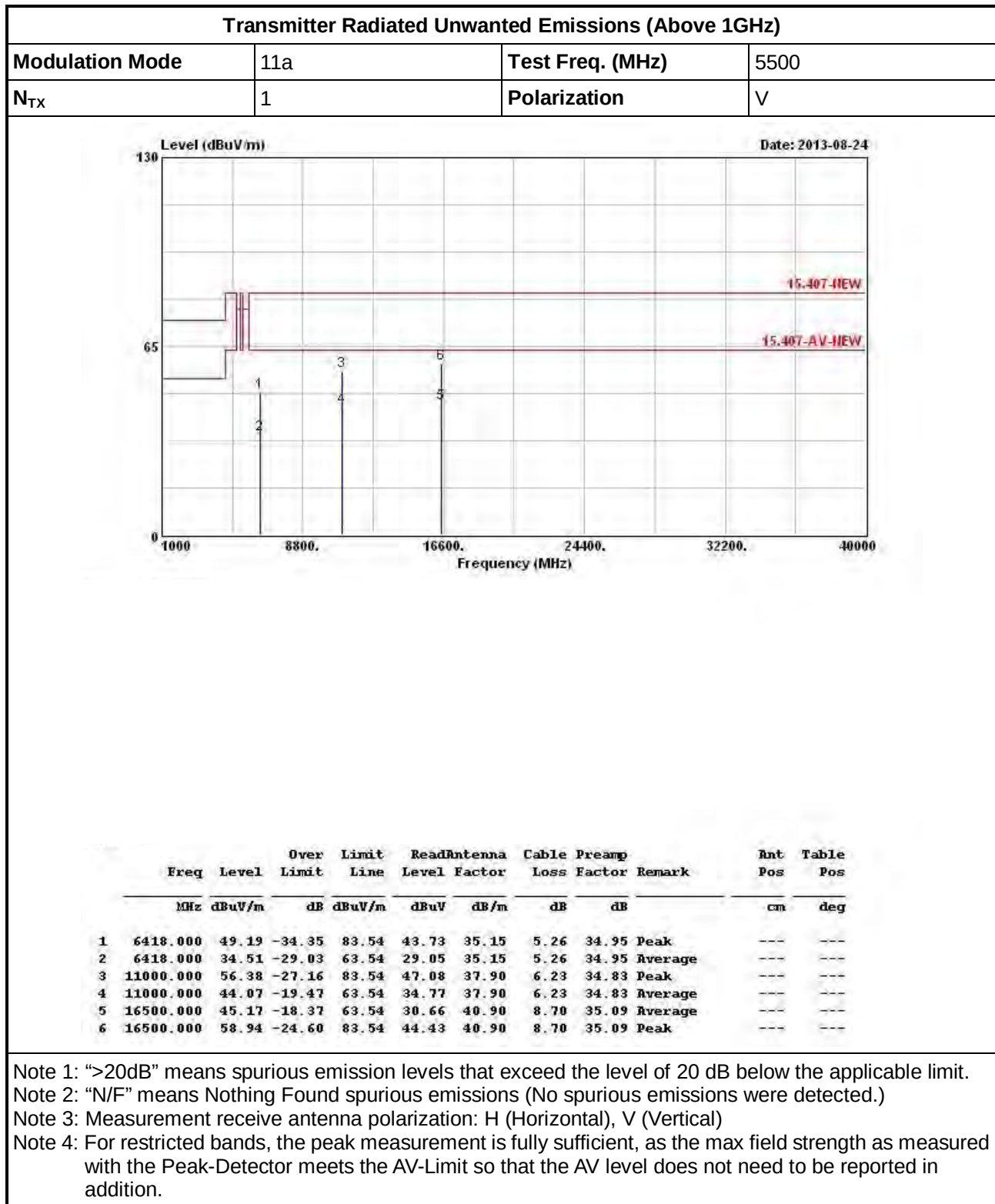
Modulation Mode	HT40	Test Freq. (MHz)	5310
N_{TX}	2	Polarization	H



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	7682.000	47.46	-36.08	83.54	41.85	35.30	5.58	35.27 Peak	---	---
2	7682.000	33.74	-29.80	63.54	28.13	35.30	5.58	35.27 Average	---	---
3	10620.000	49.23	-34.31	83.54	40.42	37.67	6.26	35.12 Peak	---	---
4	10620.000	40.20	-23.34	63.54	31.39	37.67	6.26	35.12 Average	---	---
5	15930.000	55.89	-27.65	83.54	42.88	40.83	7.66	35.48 Peak	---	---
6	15930.000	43.67	-19.87	63.54	30.66	40.83	7.66	35.48 Average	---	---

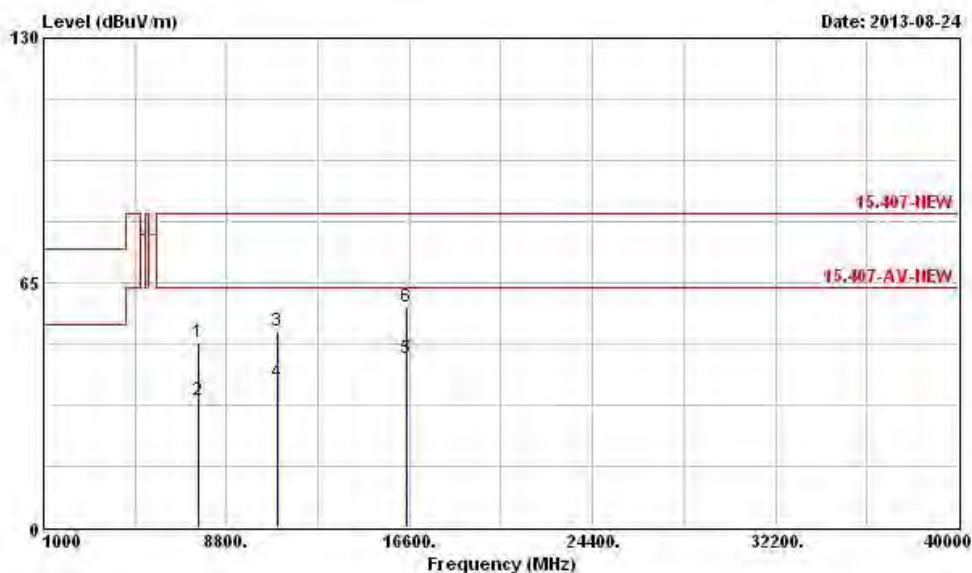
Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
 Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
 Note 4: For restricted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

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



Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a	Test Freq. (MHz)	5500
N_{TX}	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	7573.000	49.26	-34.28	83.54	43.56	35.30	5.64	35.24	Peak	---	---
2	7573.000	33.59	-29.95	63.54	27.89	35.30	5.64	35.24	Average	---	---
3	11000.000	52.01	-31.53	83.54	42.71	37.90	6.23	34.83	Peak	---	---
4	11000.000	38.45	-25.09	63.54	29.15	37.90	6.23	34.83	Average	---	---
5	16500.000	45.01	-18.53	63.54	30.50	40.90	8.70	35.09	Average	---	---
6	16500.000	58.60	-24.94	83.54	44.09	40.90	8.70	35.09	Peak	---	---

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

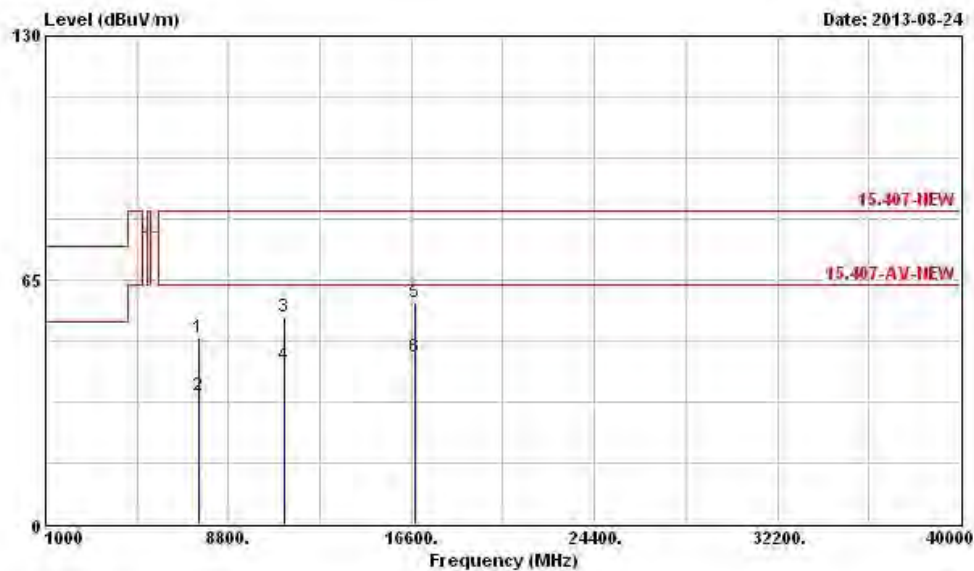
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a	Test Freq. (MHz)	5580
N_{TX}	1	Polarization	V



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp			Ant	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	7518.000	49.63	-33.91	83.54	43.85	35.30	5.71	35.23	Peak	---	---
2	7518.000	34.10	-29.44	63.54	28.32	35.30	5.71	35.23	Average	---	---
3	11160.000	55.37	-28.17	83.54	45.89	38.03	6.28	34.83	Peak	---	---
4	11160.000	42.28	-21.26	63.54	32.80	38.03	6.28	34.83	Average	---	---
5	16740.000	58.89	-24.65	83.54	43.73	40.90	8.86	34.60	Peak	---	---
6	16740.000	44.46	-19.08	63.54	29.30	40.90	8.86	34.60	Average	---	---

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

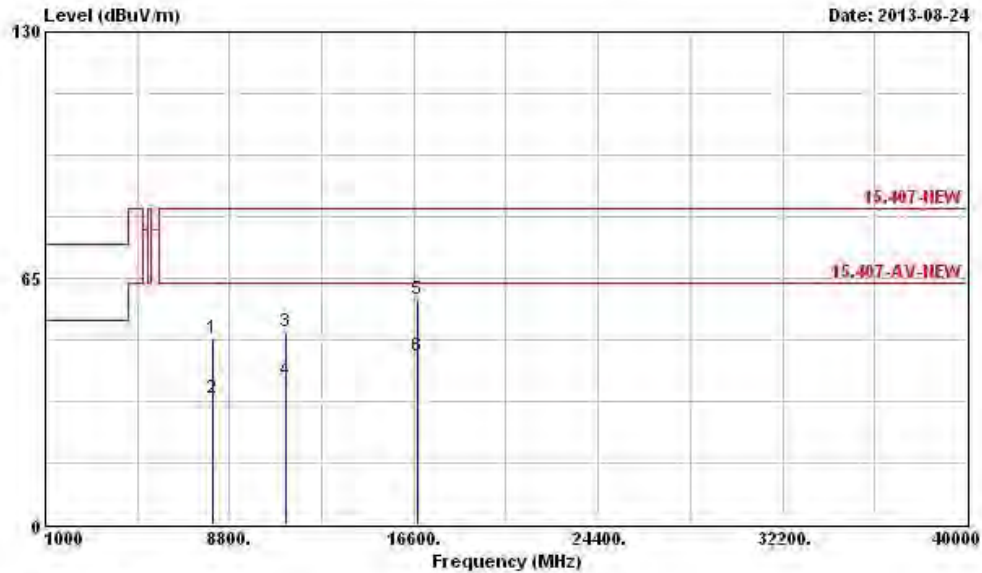
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a	Test Freq. (MHz)	5580
N_{TX}	1	Polarization	H



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamplifier	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8101.000	49.19	-34.35	83.54	43.83	35.36	5.35	35.35	Peak	---	---
2	8101.000	33.35	-30.19	63.54	27.99	35.36	5.35	35.35	Average	---	---
3	11160.000	50.88	-32.66	83.54	41.40	38.03	6.28	34.83	Peak	---	---
4	11160.000	37.98	-25.56	63.54	28.50	38.03	6.28	34.83	Average	---	---
5	16740.000	59.28	-24.26	83.54	44.12	40.90	8.86	34.60	Peak	---	---
6	16740.000	44.55	-18.99	63.54	29.39	40.90	8.86	34.60	Average	---	---

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

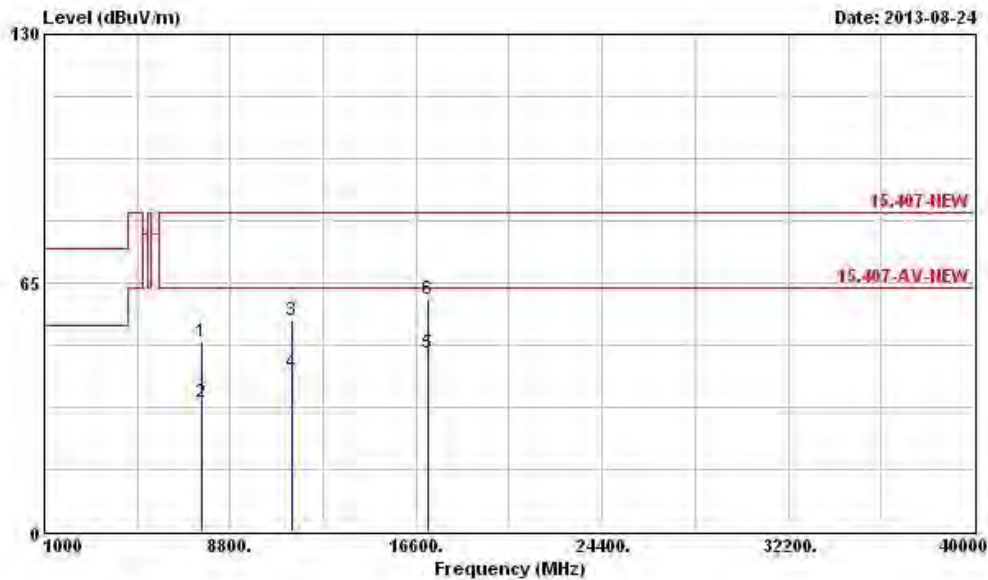
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a	Test Freq. (MHz)	5700
N_{TX}	1	Polarization	V



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	7594.000	49.67	-33.87	83.54	43.98	35.30	5.64	35.25	Peak	---	---
2	7594.000	33.87	-29.67	63.54	28.18	35.30	5.64	35.25	Average	---	---
3	11400.000	55.01	-28.53	83.54	45.28	38.22	6.34	34.83	Peak	---	---
4	11400.000	41.61	-21.93	63.54	31.88	38.22	6.34	34.83	Average	---	---
5	17100.000	46.52	-17.02	63.54	30.68	40.92	8.98	34.06	Average	---	---
6	17100.000	60.62	-22.92	83.54	44.78	40.92	8.98	34.06	Peak	---	---

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

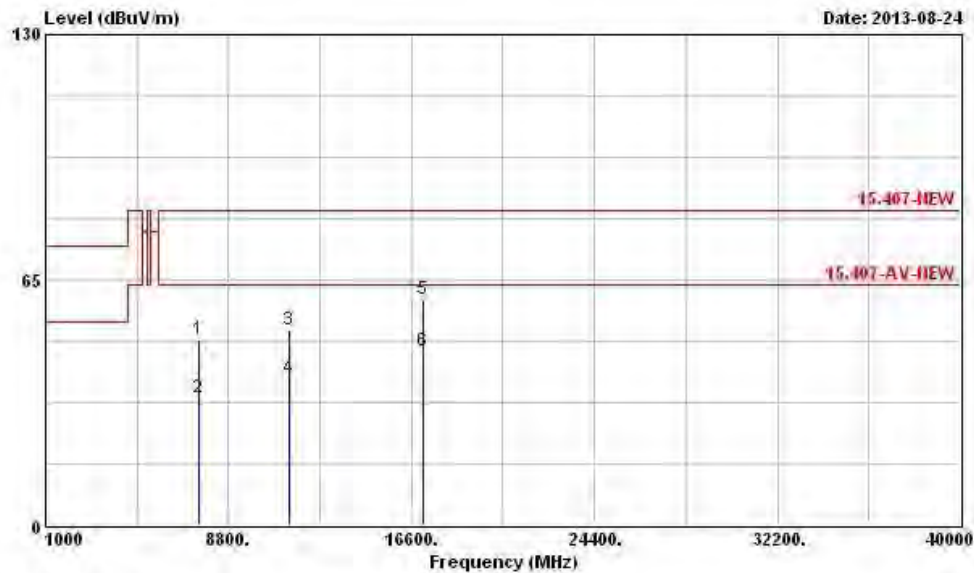
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a	Test Freq. (MHz)	5700
N_{TX}	1	Polarization	H



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamplifier	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	7561.000	49.08	-34.46	83.54	43.33	35.30	5.68	35.23	Peak	---	---
2	7561.000	33.73	-29.81	63.54	27.98	35.30	5.68	35.23	Average	---	---
3	11400.000	51.95	-31.59	83.54	42.22	38.22	6.34	34.83	Peak	---	---
4	11400.000	39.05	-24.49	63.54	29.32	38.22	6.34	34.83	Average	---	---
5	17100.000	59.97	-23.57	83.54	44.13	40.92	8.98	34.06	Peak	---	---
6	17100.000	46.34	-17.20	63.54	30.50	40.92	8.98	34.06	Average	---	---

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

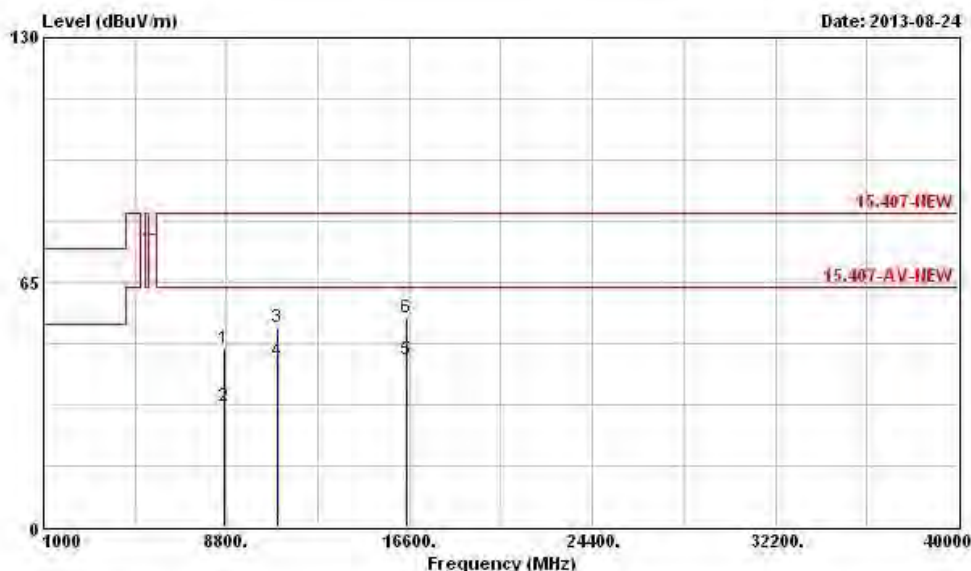
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5500
N _{TX}	1	Polarization	V



	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	8738.000	47.35	-36.19	83.54	41.27	35.74	5.70	35.36	Peak	---
2	8738.000	32.13	-31.41	63.54	26.05	35.74	5.70	35.36	Average	---
3	11000.000	53.17	-30.37	83.54	43.87	37.90	6.23	34.83	Peak	---
4	11000.000	44.03	-19.51	63.54	34.73	37.90	6.23	34.83	Average	---
5	16500.000	44.26	-19.28	63.54	29.75	40.90	8.70	35.09	Average	---
6	16500.000	55.55	-27.99	83.54	41.04	40.90	8.70	35.09	Peak	---

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

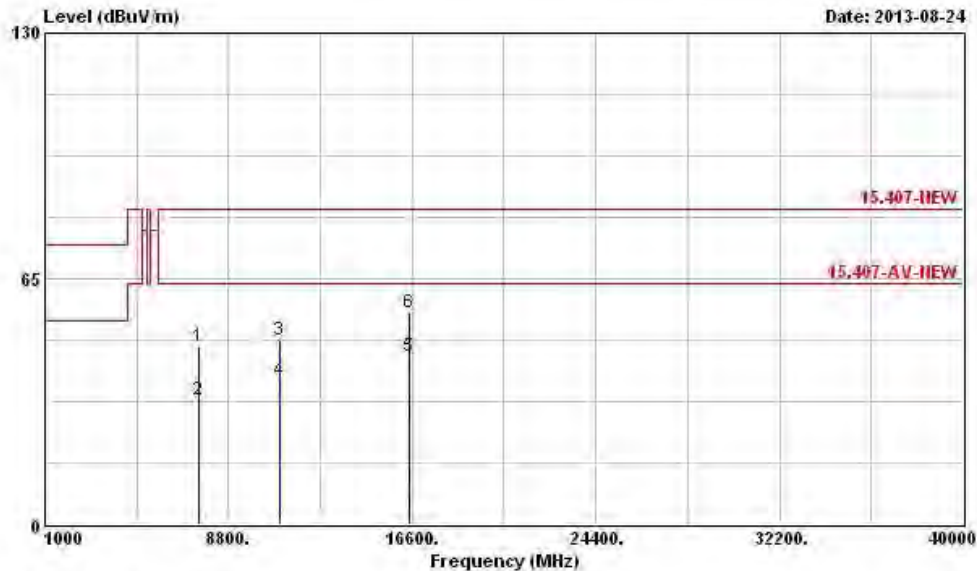
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5500
N_{TX}	1	Polarization	H



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamplifier	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	7517.000	47.23	-36.31	83.54	41.45	35.30	5.71	35.23	Peak	---	---
2	7517.000	32.94	-30.60	63.54	27.16	35.30	5.71	35.23	Average	---	---
3	11000.000	48.96	-34.58	83.54	39.66	37.90	6.23	34.83	Peak	---	---
4	11000.000	38.03	-25.51	63.54	28.73	37.90	6.23	34.83	Average	---	---
5	16500.000	44.30	-19.24	63.54	29.79	40.90	8.70	35.09	Average	---	---
6	16500.000	56.07	-27.47	83.54	41.56	40.90	8.70	35.09	Peak	---	---

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

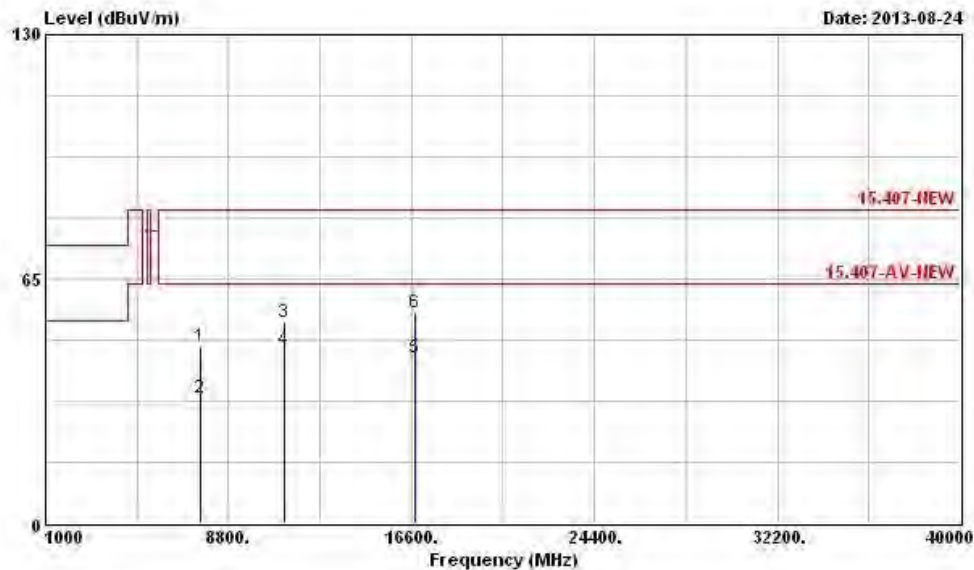
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5580
N_{TX}	1	Polarization	V



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamplifier Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	7605.000	47.00	-36.54	83.54	41.31	35.30	5.64	35.25	Peak	---	---
2	7605.000	33.53	-30.01	63.54	27.84	35.30	5.64	35.25	Average	---	---
3	11160.000	53.34	-30.20	83.54	43.86	38.03	6.28	34.83	Peak	---	---
4	11160.000	46.21	-17.33	63.54	36.73	38.03	6.28	34.83	Average	---	---
5	16740.000	43.91	-19.63	63.54	28.75	40.90	8.86	34.60	Average	---	---
6	16740.000	55.94	-27.60	83.54	40.78	40.90	8.86	34.60	Peak	---	---

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

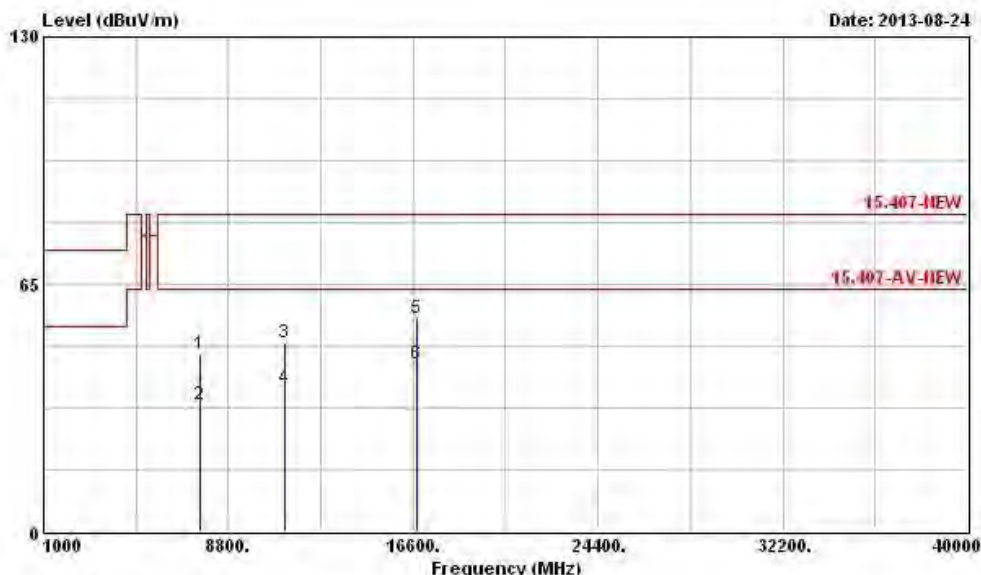
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5580
N_{TX}	1	Polarization	H



	Freq	Level	Over Limit	Limit Line	Read Antenna Level	Antenna Factor	Cable Loss	Preamplifier	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	7605.000	46.74	-36.80	83.54	41.05	35.30	5.64	35.25	Peak	---	---
2	7605.000	33.53	-30.01	63.54	27.84	35.30	5.64	35.25	Average	---	---
3	11160.000	49.41	-34.13	83.54	39.93	38.03	6.28	34.83	Peak	---	---
4	11160.000	37.66	-25.88	63.54	28.18	38.03	6.28	34.83	Average	---	---
5	16740.000	56.03	-27.51	83.54	40.87	40.90	8.86	34.60	Peak	---	---
6	16740.000	44.00	-19.54	63.54	28.84	40.90	8.86	34.60	Average	---	---

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

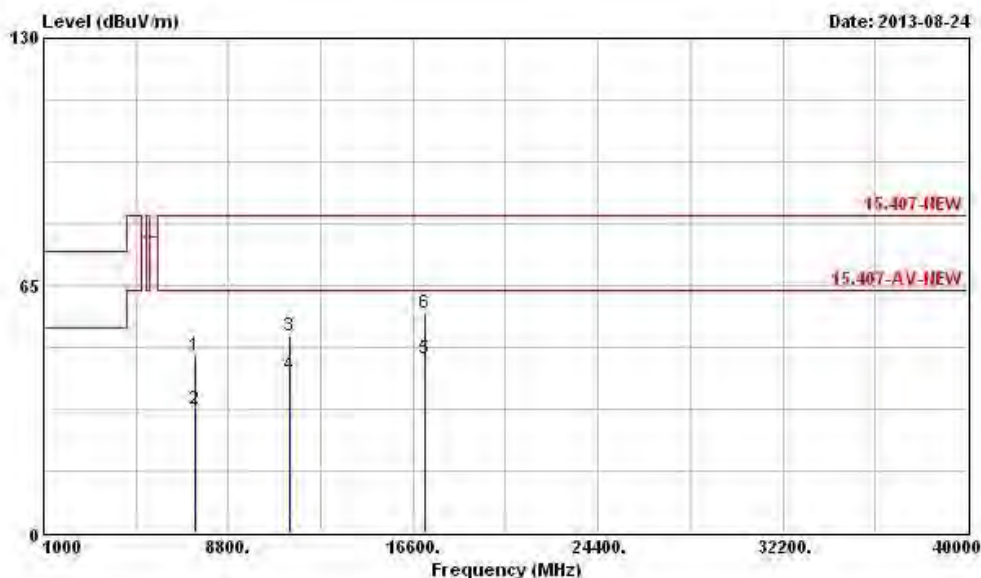
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5700
N_{TX}	1	Polarization	V



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamplifier Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	7418.000	46.58	-36.96	83.54	40.87	35.30	5.61	35.20 Peak	---	---
2	7418.000	32.33	-31.21	63.54	26.62	35.30	5.61	35.20 Average	---	---
3	11400.000	51.75	-31.79	83.54	42.02	38.22	6.34	34.83 Peak	---	---
4	11400.000	41.51	-22.03	63.54	31.78	38.22	6.34	34.83 Average	---	---
5	17100.000	45.63	-17.91	63.54	29.79	40.92	8.98	34.06 Average	---	---
6	17100.000	57.71	-25.83	83.54	41.87	40.92	8.98	34.06 Peak	---	---

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

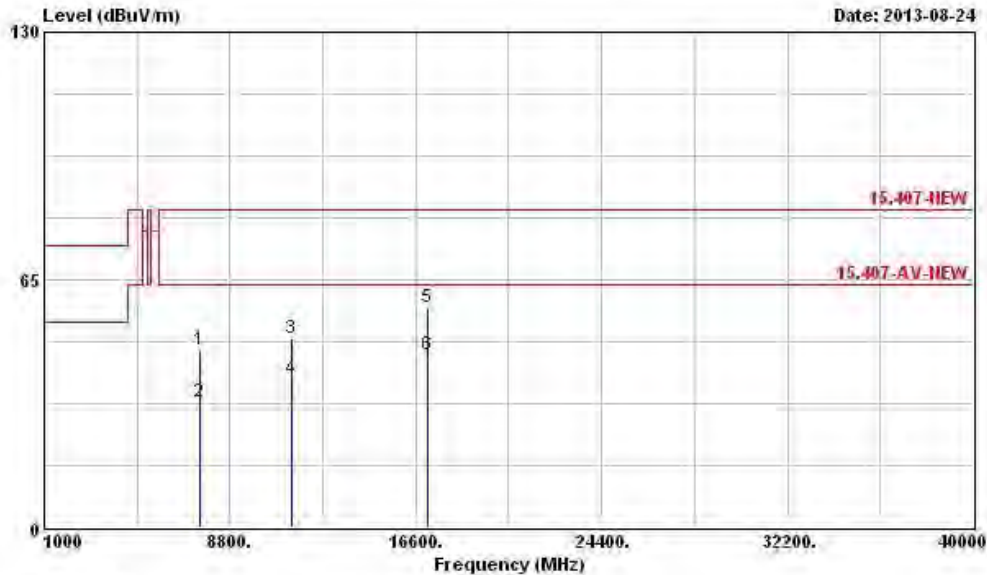
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5700
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	7517.000	46.76	-36.78	83.54	40.98	35.30	5.71	35.23	Peak	---	---
2	7517.000	32.97	-30.57	63.54	27.19	35.30	5.71	35.23	Average	---	---
3	11400.000	49.57	-33.97	83.54	39.84	38.22	6.34	34.83	Peak	---	---
4	11400.000	38.72	-24.82	63.54	28.99	38.22	6.34	34.83	Average	---	---
5	17100.000	57.68	-25.86	83.54	41.84	40.92	8.98	34.06	Peak	---	---
6	17100.000	45.41	-18.13	63.54	29.57	40.92	8.98	34.06	Average	---	---

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

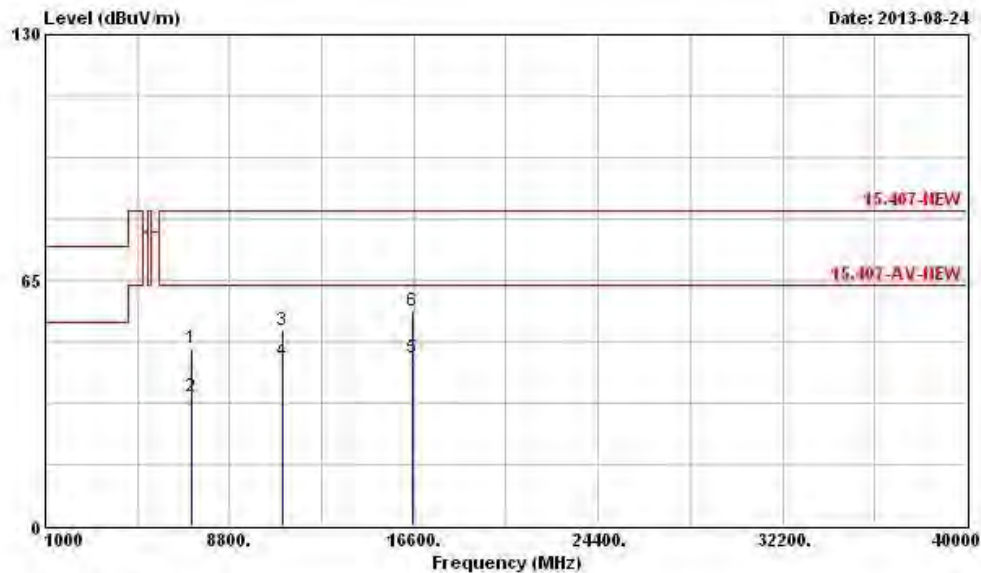
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT40	Test Freq. (MHz)	5510
N_{TX}	1	Polarization	V

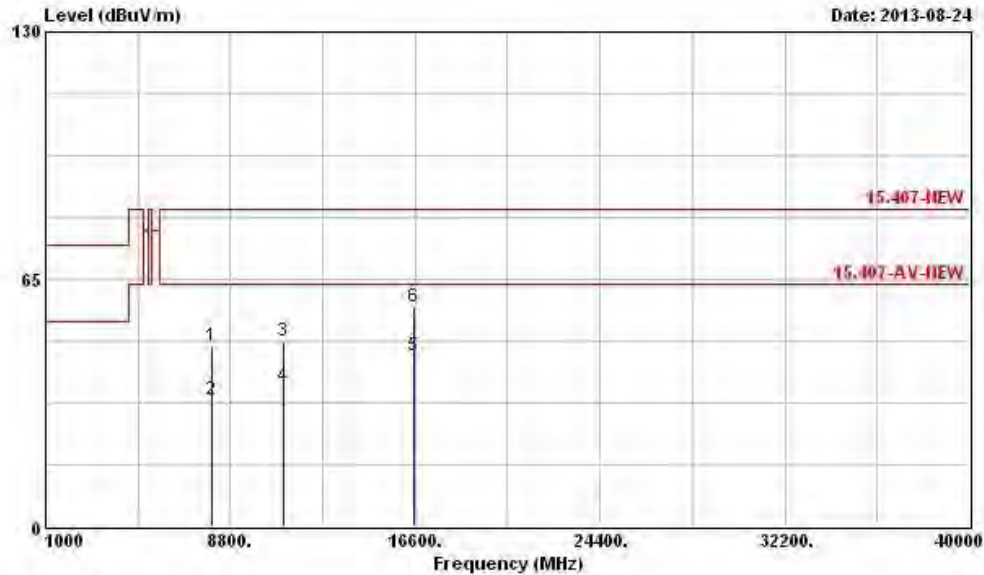


	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark	Pos	Pos
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	7180.000	47.03	-36.51	83.54	41.59	35.30	5.28	35.14 Peak	---	---
2	7180.000	34.12	-29.42	63.54	28.68	35.30	5.28	35.14 Average	---	---
3	11020.000	51.80	-31.74	83.54	42.48	37.91	6.24	34.83 Peak	---	---
4	11020.000	43.77	-19.77	63.54	34.45	37.91	6.24	34.83 Average	---	---
5	16530.000	44.38	-19.16	63.54	29.79	40.90	8.73	35.04 Average	---	---
6	16530.000	56.85	-26.69	83.54	42.26	40.90	8.73	35.04 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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT40	Test Freq. (MHz)	5510
N_{TX}	1	Polarization	H



	Freq	Level	Over Limit	Limit Line	Read Antenna Level	Antenna Factor	Cable Loss	Preamplifier	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8034.000	47.41	-36.13	83.54	42.12	35.32	5.32	35.35	Peak	---	---
2	8034.000	33.38	-30.16	63.54	28.09	35.32	5.32	35.35	Average	---	---
3	11020.000	48.84	-34.70	83.54	39.52	37.91	6.24	34.83	Peak	---	---
4	11020.000	36.75	-26.79	63.54	27.43	37.91	6.24	34.83	Average	---	---
5	16530.000	45.06	-18.48	63.54	30.47	40.90	8.73	35.04	Average	---	---
6	16530.000	57.75	-25.79	83.54	43.16	40.90	8.73	35.04	Peak	---	---

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

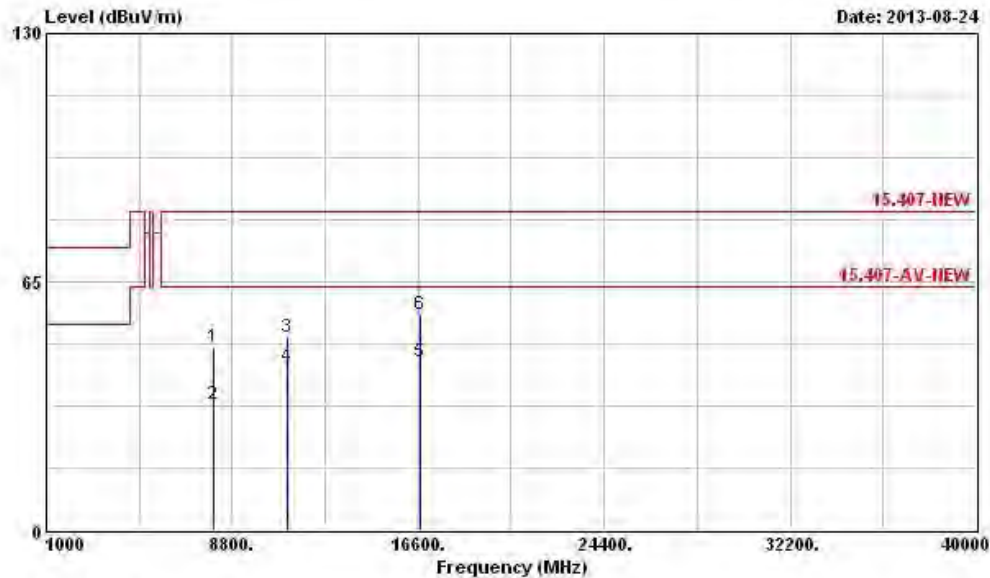
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT40	Test Freq. (MHz)	5550
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	8020.000	47.69	-35.85	83.54	42.41	35.31	5.32	35.35	Peak	---	---
2	8020.000	32.82	-30.72	63.54	27.54	35.31	5.32	35.35	Average	---	---
3	11100.000	50.45	-33.09	83.54	41.04	37.98	6.26	34.83	Peak	---	---
4	11100.000	42.90	-20.64	63.54	33.49	37.98	6.26	34.83	Average	---	---
5	16650.000	44.08	-19.46	63.54	29.14	40.90	8.80	34.76	Average	---	---
6	16650.000	56.24	-27.30	83.54	41.30	40.90	8.80	34.76	Peak	---	---

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

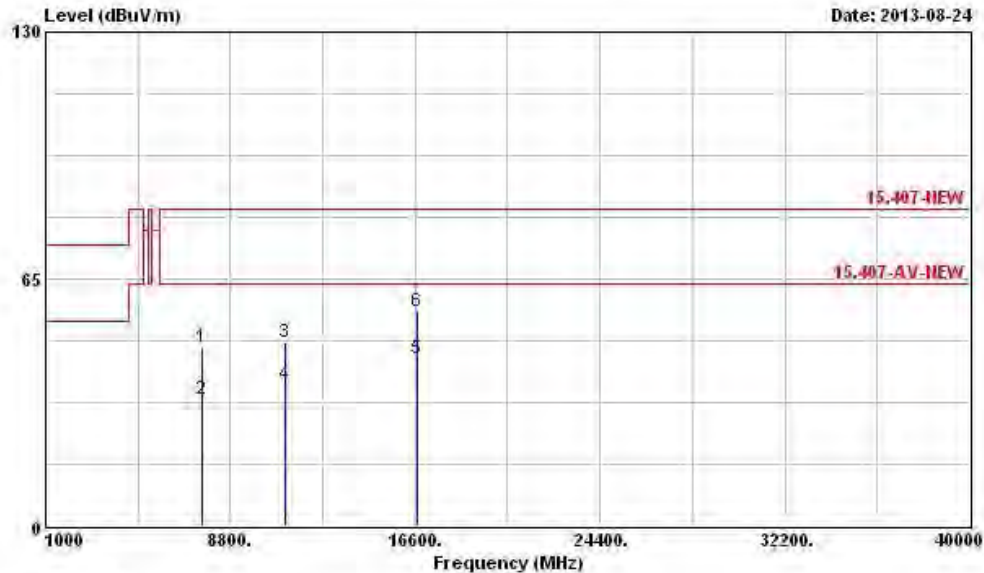
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT40	Test Freq. (MHz)	5550
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	7620.000	47.15	-36.39	83.54	41.49	35.30	5.61	35.25	Peak	---	---
2	7620.000	33.55	-29.99	63.54	27.89	35.30	5.61	35.25	Average	---	---
3	11100.000	48.35	-35.19	83.54	38.94	37.98	6.26	34.83	Peak	---	---
4	11100.000	37.10	-26.44	63.54	27.69	37.98	6.26	34.83	Average	---	---
5	16650.000	43.97	-19.57	63.54	29.03	40.90	8.80	34.76	Average	---	---
6	16650.000	56.59	-26.95	83.54	41.65	40.90	8.80	34.76	Peak	---	---

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

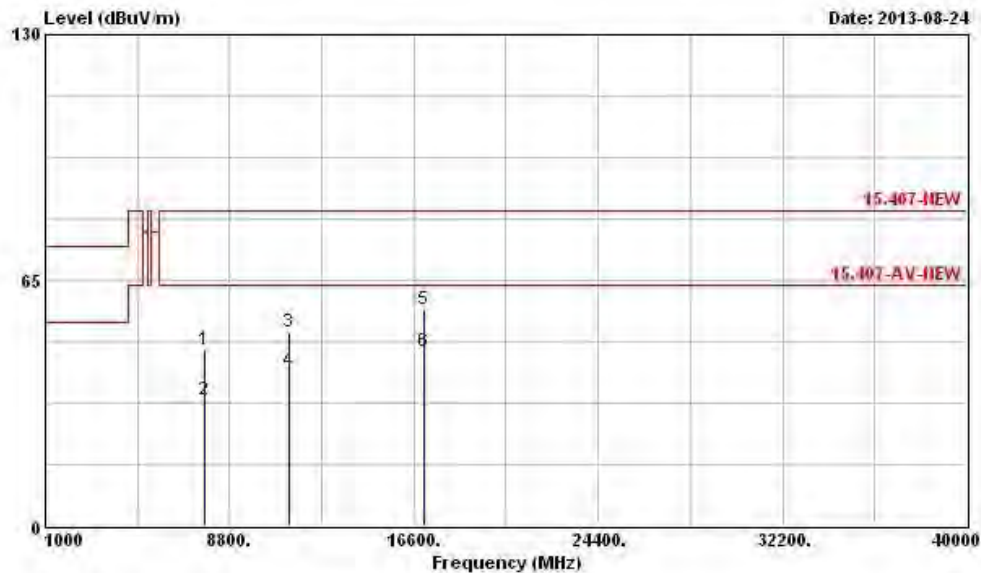
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT40	Test Freq. (MHz)	5670
N_{TX}	1	Polarization	V



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level Factor	Cable Loss Factor	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	7726.000	46.60	-36.94	83.54	41.04	35.30	5.54	35.28	Peak	---
2	7726.000	33.28	-30.26	63.54	27.72	35.30	5.54	35.28	Average	---
3	11340.000	51.22	-32.32	83.54	41.56	38.17	6.32	34.83	Peak	---
4	11340.000	41.02	-22.52	63.54	31.36	38.17	6.32	34.83	Average	---
5	17010.000	57.48	-26.06	83.54	41.64	40.90	8.99	34.05	Peak	---
6	17010.000	46.01	-17.53	63.54	30.17	40.90	8.99	34.05	Average	---

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

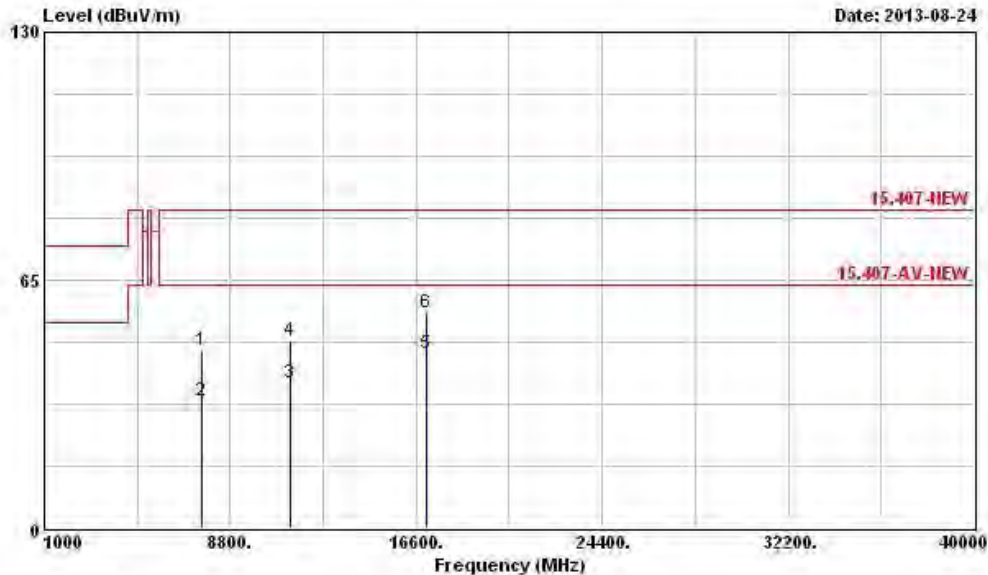
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT40	Test Freq. (MHz)	5670
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	7620.000	46.80	-36.74	83.54	41.14	35.30	5.61	35.25	Peak	---	---
2	7620.000	33.52	-30.02	63.54	27.86	35.30	5.61	35.25	Average	---	---
3	11340.000	38.02	-25.52	63.54	28.36	38.17	6.32	34.83	Average	---	---
4	11340.000	49.11	-34.43	83.54	39.45	38.17	6.32	34.83	Peak	---	---
5	17010.000	45.95	-17.59	63.54	30.11	40.90	8.99	34.05	Average	---	---
6	17010.000	56.27	-27.27	83.54	40.43	40.90	8.99	34.05	Peak	---	---

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

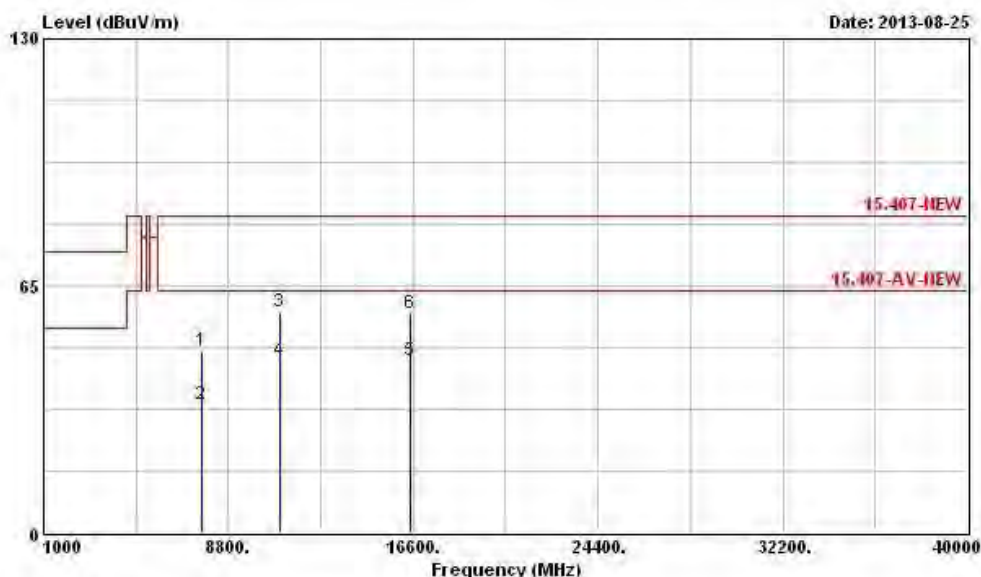
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5500
N_{TX}	2	Polarization	V



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamplifier	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	7660.000	47.86	-35.68	83.54	42.24	35.30	5.58	35.26	Peak	---	---
2	7660.000	33.81	-29.73	63.54	28.19	35.30	5.58	35.26	Average	---	---
3	11000.000	57.96	-25.58	83.54	48.66	37.90	6.23	34.83	Peak	---	---
4	11000.000	45.28	-18.26	63.54	35.98	37.90	6.23	34.83	Average	---	---
5	16500.000	45.18	-18.36	63.54	30.67	40.90	8.70	35.09	Average	---	---
6	16500.000	57.84	-25.70	83.54	43.33	40.90	8.70	35.09	Peak	---	---

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

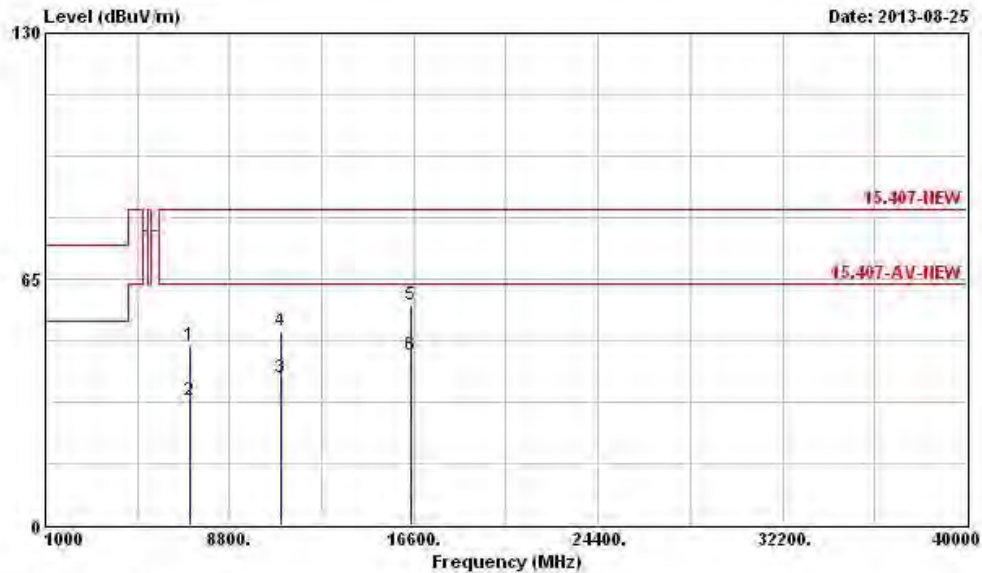
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5500
N_{TX}	2	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	7110.000	47.63	-35.91	83.54	42.22	35.30	5.23	35.12 Peak	---	---
2	7110.000	32.90	-30.64	63.54	27.49	35.30	5.23	35.12 Average	---	---
3	11000.000	39.00	-24.54	63.54	29.70	37.90	6.23	34.83 Average	---	---
4	11000.000	51.11	-32.43	83.54	41.81	37.90	6.23	34.83 Peak	---	---
5	16500.000	58.11	-25.43	83.54	43.60	40.90	8.70	35.09 Peak	---	---
6	16500.000	45.07	-18.47	63.54	30.56	40.90	8.70	35.09 Average	---	---

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

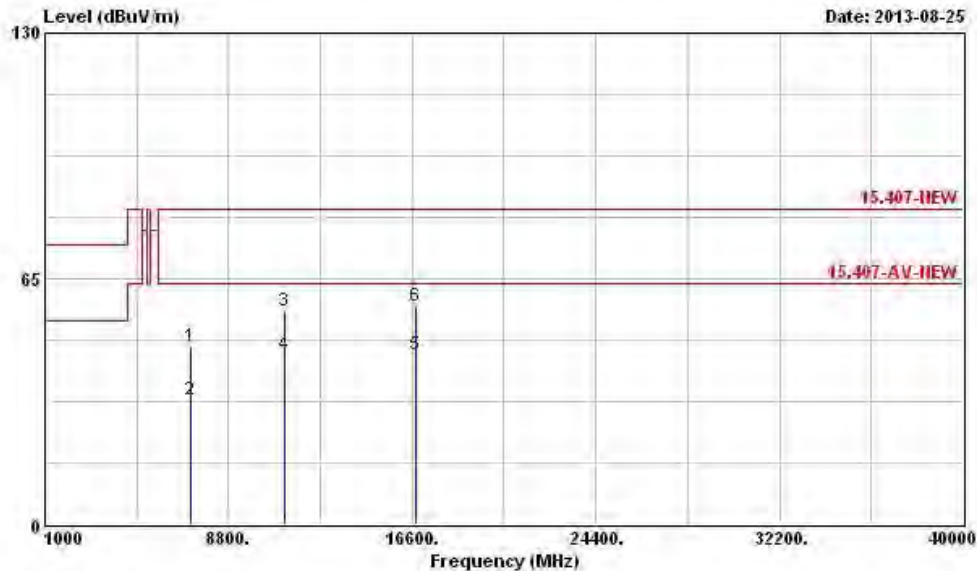
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5580
N_{TX}	2	Polarization	V

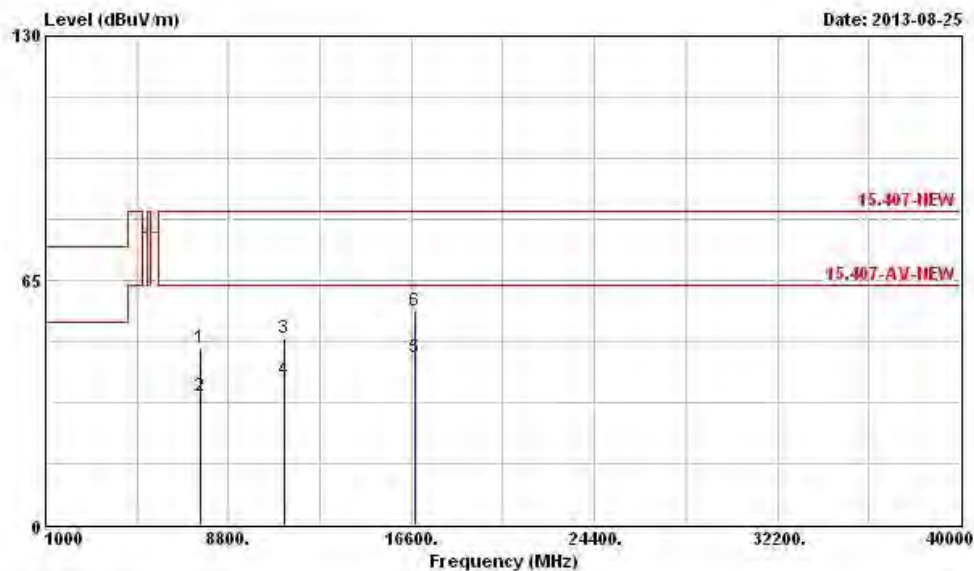


	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	7180.000	47.23	-36.31	83.54	41.79	35.30	5.28	35.14	Peak	---	---
2	7180.000	32.86	-30.68	63.54	27.42	35.30	5.28	35.14	Average	---	---
3	11160.000	56.55	-26.99	83.54	47.07	38.03	6.28	34.83	Peak	---	---
4	11160.000	44.78	-18.76	63.54	35.30	38.03	6.28	34.83	Average	---	---
5	16740.000	44.76	-18.78	63.54	29.60	40.90	8.86	34.60	Average	---	---
6	16740.000	57.55	-25.99	83.54	42.39	40.90	8.86	34.60	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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5580
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	7620.000	47.11	-36.43	83.54	41.45	35.30	5.61	35.25	Peak	---	---
2	7620.000	34.04	-29.50	63.54	28.38	35.30	5.61	35.25	Average	---	---
3	11160.000	49.49	-34.05	83.54	40.01	38.03	6.28	34.83	Peak	---	---
4	11160.000	38.56	-24.98	63.54	29.08	38.03	6.28	34.83	Average	---	---
5	16740.000	44.67	-18.87	63.54	29.51	40.90	8.86	34.60	Average	---	---
6	16740.000	57.03	-26.51	83.54	41.87	40.90	8.86	34.60	Peak	---	---

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

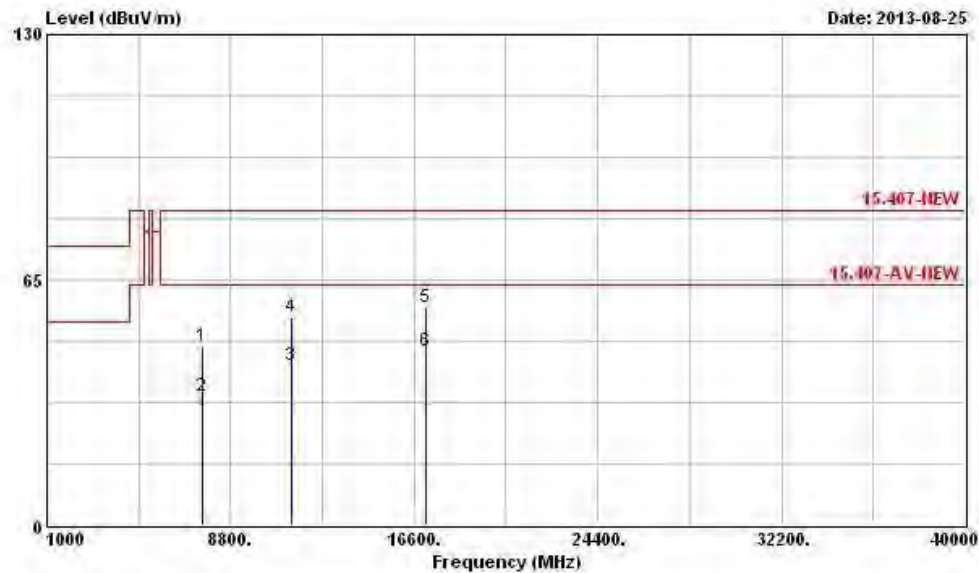
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5700
N_{TX}	2	Polarization	V



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamplifier	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	7620.000	47.51	-36.03	83.54	41.85	35.30	5.61	35.25	Peak	---	---
2	7620.000	34.09	-29.45	63.54	28.43	35.30	5.61	35.25	Average	---	---
3	11400.000	42.42	-21.12	63.54	32.69	38.22	6.34	34.83	Average	---	---
4	11400.000	55.17	-28.37	83.54	45.44	38.22	6.34	34.83	Peak	---	---
5	17100.000	57.94	-25.60	83.54	42.10	40.92	8.98	34.06	Peak	---	---
6	17100.000	46.10	-17.44	63.54	30.26	40.92	8.98	34.06	Average	---	---

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

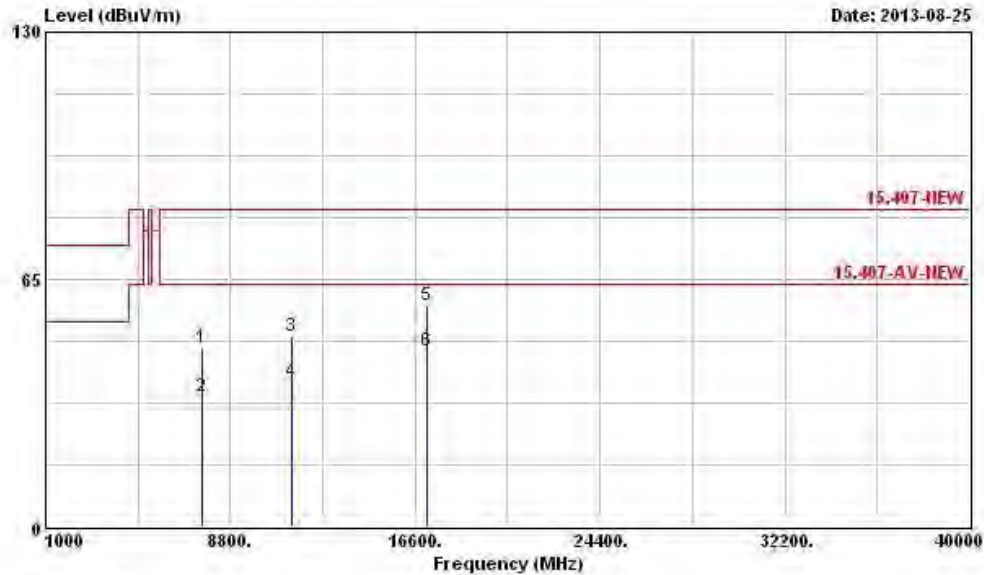
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5700
N_{TX}	2	Polarization	H



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	7605.000	47.23	-36.31	83.54	41.54	35.30	5.64	35.25 Peak	---	---
2	7605.000	34.00	-29.54	63.54	28.31	35.30	5.64	35.25 Average	---	---
3	11400.000	49.93	-33.61	83.54	40.20	38.22	6.34	34.83 Peak	---	---
4	11400.000	38.18	-25.36	63.54	28.45	38.22	6.34	34.83 Average	---	---
5	17100.000	58.27	-25.27	83.54	42.43	40.92	8.98	34.06 Peak	---	---
6	17100.000	46.07	-17.47	63.54	30.23	40.92	8.98	34.06 Average	---	---

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

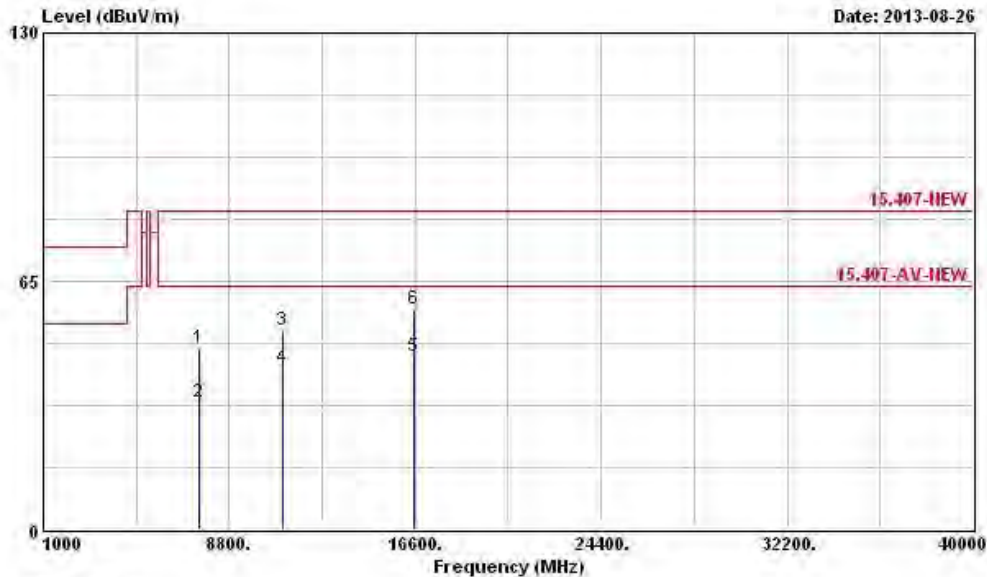
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT40	Test Freq. (MHz)	5510
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	7561.000	47.51	-36.03	83.54	41.76	35.30	5.68	35.23	Peak	---	---
2	7561.000	33.54	-30.00	63.54	27.79	35.30	5.68	35.23	Average	---	---
3	11020.000	52.28	-31.26	83.54	42.96	37.91	6.24	34.83	Peak	---	---
4	11020.000	42.21	-21.33	63.54	32.89	37.91	6.24	34.83	Average	---	---
5	16530.000	45.13	-18.41	63.54	30.54	40.90	8.73	35.04	Average	---	---
6	16530.000	57.54	-26.00	83.54	42.95	40.90	8.73	35.04	Peak	---	---

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

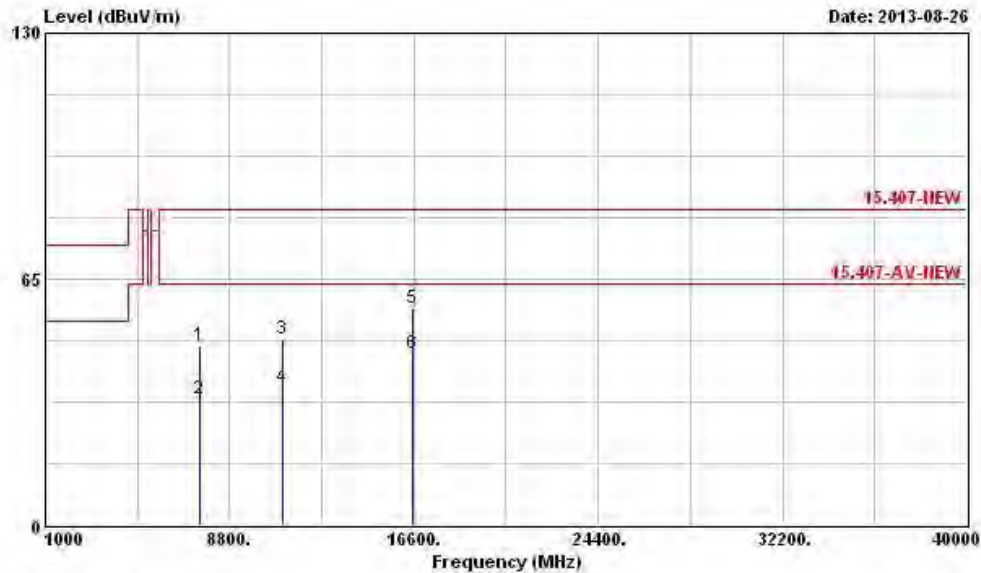
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT40	Test Freq. (MHz)	5510
N_{TX}	2	Polarization	H



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamplifier	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	7561.000	47.38	-36.16	83.54	41.63	35.30	5.68	35.23	Peak	---	---
2	7561.000	33.53	-30.01	63.54	27.78	35.30	5.68	35.23	Average	---	---
3	11020.000	49.13	-34.41	83.54	39.81	37.91	6.24	34.83	Peak	---	---
4	11020.000	36.54	-27.00	63.54	27.22	37.91	6.24	34.83	Average	---	---
5	16530.000	57.31	-26.23	83.54	42.72	40.90	8.73	35.04	Peak	---	---
6	16530.000	45.20	-18.34	63.54	30.61	40.90	8.73	35.04	Average	---	---

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

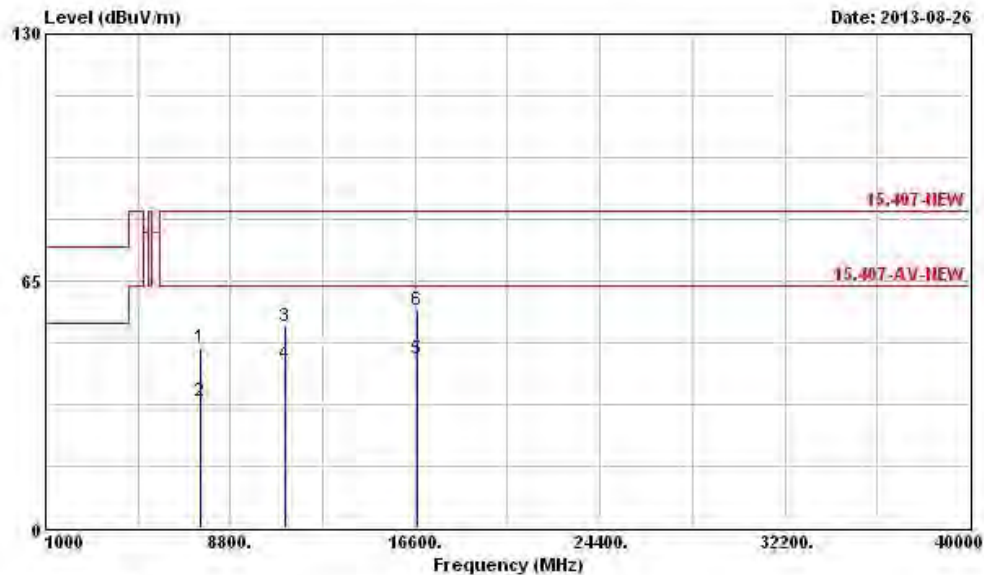
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT40	Test Freq. (MHz)	5550
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	7561.000	47.45	-36.09	83.54	41.70	35.30	5.68	35.23	Peak	---	---
2	7561.000	33.55	-29.99	63.54	27.80	35.30	5.68	35.23	Average	---	---
3	11100.000	53.04	-30.50	83.54	43.63	37.98	6.26	34.83	Peak	---	---
4	11100.000	43.20	-20.34	63.54	33.79	37.98	6.26	34.83	Average	---	---
5	16650.000	44.65	-18.89	63.54	29.71	40.90	8.80	34.76	Average	---	---
6	16650.000	57.44	-26.10	83.54	42.50	40.90	8.80	34.76	Peak	---	---

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

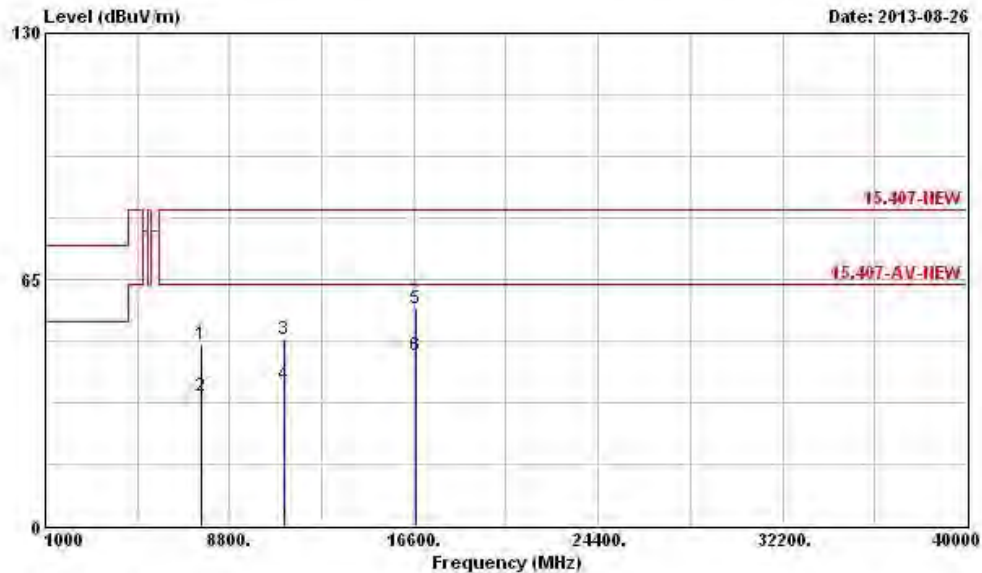
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT40	Test Freq. (MHz)	5550
N_{TX}	2	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	7605.000	47.84	-35.70	83.54	42.15	35.30	5.64	35.25	Peak	---
2	7605.000	34.06	-29.48	63.54	28.37	35.30	5.64	35.25	Average	---
3	11100.000	49.27	-34.27	83.54	39.86	37.98	6.26	34.83	Peak	---
4	11100.000	37.39	-26.15	63.54	27.98	37.98	6.26	34.83	Average	---
5	16650.000	57.23	-26.31	83.54	42.29	40.90	8.80	34.76	Peak	---
6	16650.000	44.74	-18.80	63.54	29.80	40.90	8.80	34.76	Average	---

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

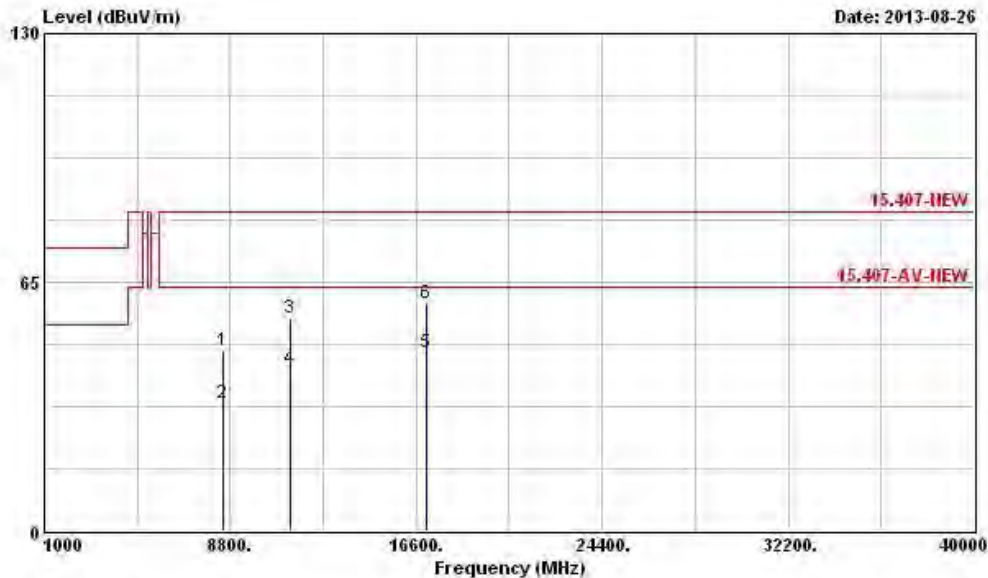
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT40	Test Freq. (MHz)	5670
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	8529.000	47.10	-36.44	83.54	41.30	35.62	5.50	35.32	Peak	---	---
2	8529.000	33.23	-30.31	63.54	27.43	35.62	5.50	35.32	Average	---	---
3	11340.000	55.57	-27.97	83.54	45.91	38.17	6.32	34.83	Peak	---	---
4	11340.000	42.40	-21.14	63.54	32.74	38.17	6.32	34.83	Average	---	---
5	17010.000	46.48	-17.06	63.54	30.64	40.90	8.99	34.05	Average	---	---
6	17010.000	59.59	-23.95	83.54	43.75	40.90	8.99	34.05	Peak	---	---

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

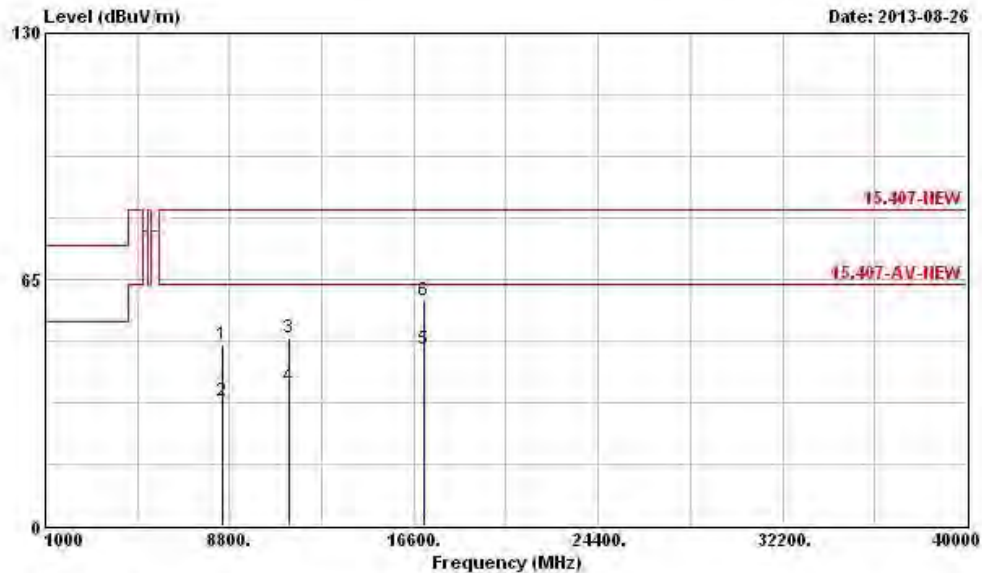
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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.

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT40	Test Freq. (MHz)	5670
N_{TX}	2	Polarization	H



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	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	8529.000	47.85	-35.69	83.54	42.05	35.62	5.50	35.32	Peak	---
2	8529.000	33.11	-30.43	63.54	27.31	35.62	5.50	35.32	Average	---
3	11340.000	49.48	-34.06	83.54	39.82	38.17	6.32	34.83	Peak	---
4	11340.000	36.88	-26.66	63.54	27.22	38.17	6.32	34.83	Average	---
5	17010.000	46.55	-16.99	63.54	30.71	40.90	8.99	34.05	Average	---
6	17010.000	59.26	-24.28	83.54	43.42	40.90	8.99	34.05	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.

3.8 Frequency Stability

3.8.1 Frequency Stability Limit

Frequency Stability Limit	
UNII Devices	
☒	In-band emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.
LE-LAN Devices	
☒	N/A
IEEE Std. 802.11n-2009	
☒	The transmitter center frequency tolerance shall be ± 20 ppm maximum for the 5 GHz band and ± 25 ppm maximum for the 2.4 GHz band.

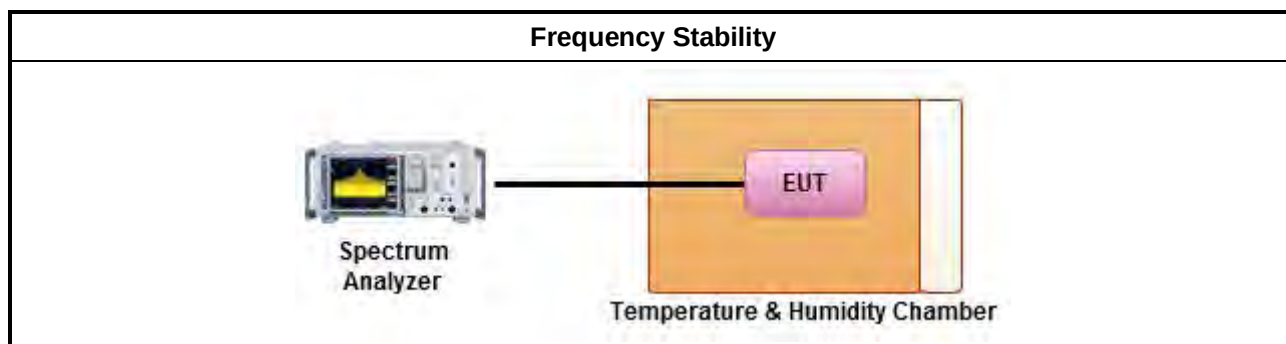
3.8.2 Measuring Instruments

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

3.8.3 Test Procedures

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

3.8.4 Test Setup



3.8.5 Test Result of Frequency Stability

Frequency Stability Result			
Mode		Frequency Stability (ppm)	
Condition	Freq. (MHz)	Test Frequency (MHz)	Frequency Stability (ppm)
T _{20°C} Vmax	5180	5179.98177	-3.5193
T _{20°C} Vmin	5180	5179.98177	-3.5193
T _{50°C} Vnom	5180	5179.98394	-3.1004
T _{40°C} Vnom	5180	5179.97656	-4.5251
T _{30°C} Vnom	5180	5179.97525	-4.7780
T _{20°C} Vnom	5180	5179.98177	-3.5193
T _{10°C} Vnom	5180	5179.98958	-2.0116
T _{0°C} Vnom	5180	5179.99566	-0.8378
Limit (ppm)		20	
Result		Complied	
Note 1: Measure at 85 % [Vmin] and 115 % [Vmax] of the nominal voltage [Vnom]. Note 2: The nominal voltage refer test report clause 1.1.5 for EUT operational condition.			

4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
EMC Receiver	R&S	ESCS 30	100174	9kHz ~ 2.75GHz	Mar. 26, 2013	Conduction (CO04-HY)
LISN	SCHWARZBECK MESS-ELEKTRONIK	NSLK 8127	8127-477	9kHz ~ 30MHz	Jan. 21, 2013	Conduction (CO04-HY)
LISN (Support Unit)	EMCO	3810/2NM	9703-1839	9kHz ~ 30MHz	Apr. 18, 2013	Conduction (CO04-HY)
RF Cable-CON	HUBER+SUHNER	RG213/U	7.61183201e+012	9kHz ~ 30MHz	Nov. 09, 2012	Conduction (CO04-HY)

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

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Spectrum Analyzer	R&S	FSP 40	100305	9KHz~40GHz	Mar. 20, 2013	Conducted (TH01-HY)
AC Power Source	G.W	APS-9102	EL920581	AC 0V ~ 300V	Jul. 16, 2013	Conducted (TH01-HY)
Temp. and Humidity Chamber	Giant Force	GTH-225-20-SP-SD	MAA1112-007	-20 ~ 100℃	Nov. 21, 2012	Conducted (TH01-HY)
RF Cable-2m	HUBER+SUHNER	SUCOFLEX_104	SN 345675/4	1GHz ~ 26.5GHz	Dec. 04, 2012	Conducted (TH01-HY)
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_103	10712/4	1GHz ~ 33GHz	Dec. 04, 2012	Conducted (TH01-HY)

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



Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Spectrum Analyzer	R&S	FSP40	100593	9kHz ~ 40GHz	Sep. 14, 2012	Radiation (03CH02-HY)
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz ~ 1GHz 3m	May 11, 2013	Radiation (03CH02-HY)
Amplifier	Agilent	8447D	2944A11146	100kHz ~ 1.3GHz	Jul 17, 2013	Radiation (03CH02-HY)
Amplifier	Agilent	8449B	3008A02364	1GHz ~ 26.5GHz	May. 06, 2013	Radiation (03CH02-HY)
Horn Antenna	ETS-LINDGREN	3117	00091920	1GHz ~ 18GHz	Nov. 16, 2012	Radiation (03CH02-HY)
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170154	15GHz ~ 40GHz	Jan. 08, 2013	Radiation (03CH02-HY)
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz ~ 1GHz	Nov. 10, 2012	Radiation (03CH02-HY)
RF Cable-high	SUHNER	SUCOFLEX106	03CH02-HY	1GHz ~ 40GHz	Mar. 05, 2013	Radiation (03CH02-HY)
Bilog Antenna	SCHAFFNER	CBL61128	2723	30MHz ~ 2GHz	Oct. 22, 2012	Radiation (03CH02-HY)
Turn Table	Chaintek Instruments	3000	MF7802058	0~ 360 degree	N/A	Radiation (03CH02-HY)
Antenna Mast	MF	MF7802	MF780208205	1 ~ 4 m	N/A	Radiation (03CH02-HY)

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

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Amplifier	MITEQ	AMF-6F-260400	9121372	26.5GHz ~ 40GHz	Apr. 19, 2013	Radiation (03CH02-HY)
Loop Antenna	TESEQ	HLA 6120	31244	9 kHz - 30 MHz	Dec. 02, 2012	Radiation (03CH02-HY)

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