

# FCC Test Report

**Equipment** : 11ac Wireless Dual-Band USB Adapter  
**Brand Name** : EDIMAX  
**Model No.** : EW-7811UTC / EW-7811UAC / EW-7811DAC /  
GWU-H811UTC / GWU-H811UAC  
**FCC ID** : NDD9578111305  
**Standard** : 47 CFR FCC Part 15.247  
**Operating Band** : 5725 MHz – 5850 MHz  
**FCC Classification** : DTS  
**Applicant** : EDIMAX TECHNOLOGY CO., LTD.  
**Manufacturer** : No.3,Wu-Chuan 3rd Road,Wu-Ku Industrial Park,  
New Taipei City, Taiwan  
**Multiple Listing** : Please refer to section 1.1.1

The product sample received on Aug. 15, 2013 and completely tested on Nov. 25, 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

## Table of Contents

<b>1</b>	<b>GENERAL DESCRIPTION .....</b>	<b>5</b>
1.1	Information.....	5
1.2	Testing Applied Standards .....	8
1.3	Testing Location Information .....	8
1.4	Measurement Uncertainty .....	9
<b>2</b>	<b>TEST CONFIGURATION OF EUT .....</b>	<b>10</b>
2.1	The Worst Case Modulation Configuration .....	10
2.2	The Worst Case Power Setting Parameter .....	10
2.3	The Worst Case Measurement Configuration .....	11
2.4	Test Setup Diagram .....	12
<b>3</b>	<b>TRANSMITTER TEST RESULT .....</b>	<b>14</b>
3.1	AC Power-line Conducted Emissions .....	14
3.2	6dB Bandwidth.....	21
3.3	RF Output Power .....	23
3.4	Power Spectral Density .....	27
3.5	Transmitter Radiated Bandedge Emissions .....	29
3.6	Transmitter Radiated Unwanted Emissions .....	33
<b>4</b>	<b>TEST EQUIPMENT AND CALIBRATION DATA.....</b>	<b>126</b>
<b>APPENDIX A. TEST PHOTOS</b>		
<b>APPENDIX B. PHOTOGRAPHS OF EUT</b>		

## Summary of Test Result

Conformance Test Specifications					
Report Clause	Ref. Std. Clause	Description	Measured	Limit	Result
1.1.3	15.203	Antenna Requirement	Antenna connector mechanism complied	FCC 15.203	Complied
3.1	15.207	AC Power-line Conducted Emissions	[dBuV]: 0.1903870MHz 52.77 (Margin 11.25dB) – QP 41.06 (Margin 12.96dB) - AV	FCC 15.207	Complied
3.2	15.247(a)	6dB Bandwidth	6dB Bandwidth [MHz] 20M:16.45 / 40M:36.40 80M: 76.16	≥500kHz	Complied
3.3	15.247(b)	RF Output Power (Maximum Peak Conducted Output Power)	Power [dBm]: 23.48	Power [dBm]:30	Complied
3.4	15.247(d)	Power Spectral Density	PSD [dBm/100kHz]:-13.38	PSD [dBm/3kHz]:8	Complied
3.5	15.247(c)	Transmitter Radiated Bandedge Emissions	Non-Restricted Bands: 5720.23MHz: 24.41 dB	Non-Restricted Bands: > 20 dBc Restricted Bands: FCC 15.209	Complied
3.6	15.247(c)	Transmitter Radiated Unwanted Emissions	Restricted Bands [dBuV/m at 3m]: 39.700MHz 36.64 (Margin 3.36dB) - Peak	Non-Restricted Bands: > 20 dBc Restricted Bands: FCC 15.209	Complied



SPORTON INTERNATIONAL INC.  
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# 1 General Description

## 1.1 Information

### 1.1.1 Table for Multiple Listing

Brand and models that are exactly the same EUT, products with different models only because of market segmentation.

NO.	Brand Name	Model Name
1	Edimax	EW-7811UTC, EW-7811UAC, EW-7811DAC, GWU-H811UTC, GWU-H811UAC
2	Rosewill	AC600UB (#33-166-105)

### 1.1.2 RF General Information

RF General Information					
Frequency Range (MHz)	IEEE Std. 802.11	Ch. Freq. (MHz)	Channel Number	Transmit Chains (N <sub>TX</sub> )	RF Output Power (dBm)
5725-5850	a	5745-5825	149-165 [5]	1	23.48
5725-5850	n(HT20)	5745-5825	149-165 [5]	1	23.09
5725-5850	n(HT40)	5755-5795	151-159 [2]	1	22.81
5725-5850	ac(VHT20)	5745-5825	149-165 [5]	1	23.31
5725-5850	ac(VHT40)	5755-5795	151-159 [2]	1	22.88
5725-5850	ac(VHT80)	5775	155 [1]	1	22.81
<p>Note 1: RF output power specifies that Maximum Peak Conducted Output Power.</p> <p>Note 2: 802.11a/n uses a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.</p> <p>Note 3: 802.11ac uses a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.</p> <p>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.)</p>					

### 1.1.3 Antenna Information

Antenna Category	
<input checked="" type="checkbox"/>	Integral antenna (antenna permanently attached)
<input type="checkbox"/>	Temporary RF connector provided
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	External antenna (dedicated antennas)

Antenna General Information					
No.	Ant. Cat.	Ant. Type	Part No.	Gain (dBi)	Model Name
1	External	Dipole	RFA-25-C57F0-70B-10	6.00	EW-7811UAC, GWU-H811UAC
			EDA-1310-25GC1-A2	4.06	
2	Integral	PIFA	ALU120-222026	4.00	EW-7811UTC, GWU-H811UTC
3	External	Directional Antenna	RFA-25-7-ST73F0-10	7.10	EW-7811DAC

NOTE: The RF Conducted performed the worst configuration for higher gain was test in final test report.

### 1.1.4 Type of EUT

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

**1.1.5 Test Signal Duty Cycle**

Operated Mode for Worst Duty Cycle	
<input type="checkbox"/> Operated normally mode for worst duty cycle	
<input checked="" type="checkbox"/> Operated test mode for worst duty cycle	
Test Signal Duty Cycle (x)	Power Duty Factor [dB] – (10 log 1/x)
<input checked="" type="checkbox"/> 100% - IEEE 802.11a	0
<input checked="" type="checkbox"/> 100% - IEEE 802.11n (HT20)	0
<input checked="" type="checkbox"/> 100% - IEEE 802.11n (HT40)	0
<input checked="" type="checkbox"/> 100% - IEEE 802.11ac (VHT20)	0
<input checked="" type="checkbox"/> 100% - IEEE 802.11ac (VHT40)	0
<input checked="" type="checkbox"/> 100% - IEEE 802.11ac (VHT80)	0

**1.1.6 EUT Operational Condition**

<b>Supply Voltage</b>	<input type="checkbox"/> AC mains	<input checked="" type="checkbox"/> DC	
<b>Type of DC Source</b>	<input type="checkbox"/> Internal DC supply	<input checked="" type="checkbox"/> From System	<input type="checkbox"/> Battery

## 1.2 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 558074
- ◆ FCC KDB 662911

## 1.3 Testing Location Information

Testing Location			
<input checked="" type="checkbox"/>	HWA YA	ADD : No. 52, Hwa Ya 1 <sup>st</sup> Rd., Hwa Ya Technology Park, Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C. TEL : 886-3-327-3456      FAX : 886-3-327-0973	
Test Condition	Test Site No.	Test Engineer	Test Environment
AC Conduction	CO04-HY	Zeus	24°C / 51%
RF Conducted	TH01-HY	Ian	21.9°C / 64%
Radiated Emission	03CH03-HY	Spirit	24°C / 62%



## 1.4 Measurement Uncertainty

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

Measurement Uncertainty		
Test Item		Uncertainty
AC power-line conducted emissions		±2.26 dB
Emission bandwidth, 6dB bandwidth		±1.42 %
RF output power, conducted		±0.63 dB
Power density, conducted		±0.81 dB
Unwanted emissions, conducted	9 – 150 kHz	±0.38 dB
	0.15 – 30 MHz	±0.42 dB
	30 – 1000 MHz	±0.51 dB
	1 – 18 GHz	±0.67 dB
	18 – 40 GHz	±0.83 dB
	40 – 200 GHz	N/A
All emissions, radiated	9 – 150 kHz	±2.49 dB
	0.15 – 30 MHz	±2.28 dB
	30 – 1000 MHz	±2.56 dB
	1 – 18 GHz	±3.59 dB
	18 – 40 GHz	±3.82 dB
	40 – 200 GHz	N/A
Temperature		±0.8 °C
Humidity		±3 %
DC and low frequency voltages		±3 %
Time		±1.42 %
Duty Cycle		±1.42 %

## 2 Test Configuration of EUT

### 2.1 The Worst Case Modulation Configuration

Worst Modulation Used for Conformance Testing			
Modulation Mode	Transmit Chains (N <sub>TX</sub> )	Data Rate / MCS	Worst Data Rate / MCS
11a,6-54Mbps	1	6-54Mbps	6 Mbps
HT20,M0-7	1	M0-7	MCS 0
HT40,M0-7	1	M0-7	MCS 0
VHT20,M0-8	1	M0-8	MCS 0
VHT40,M0-9	1	M0-9	MCS 0
VHT80,M0-9	1	M0-9	MCS 0



### 2.2 The Worst Case Power Setting Parameter

The Worst Case Power Setting Parameter (5725-5850MHz band)							
Test Software Version	WLAN_Test						
Modulation Mode	N <sub>TX</sub>	Test Frequency (MHz)					
		NCB: 20MHz			NCB: 40MHz		NCB: 80MHz
		5745	5785	5825	5755	5795	5775
11a,6-54Mbps	1	53	53	54	-	-	-
HT20,M0-7	1	53	54	54	-	-	-
HT40,M0-7	1	-	-	-	56	56	-
VHT20,M0-8	1	53	54	54	-	-	-
VHT40,M0-9	1	-	-	-	56	56	-
VHT80,M0-9	1	-	-	-	-	-	51

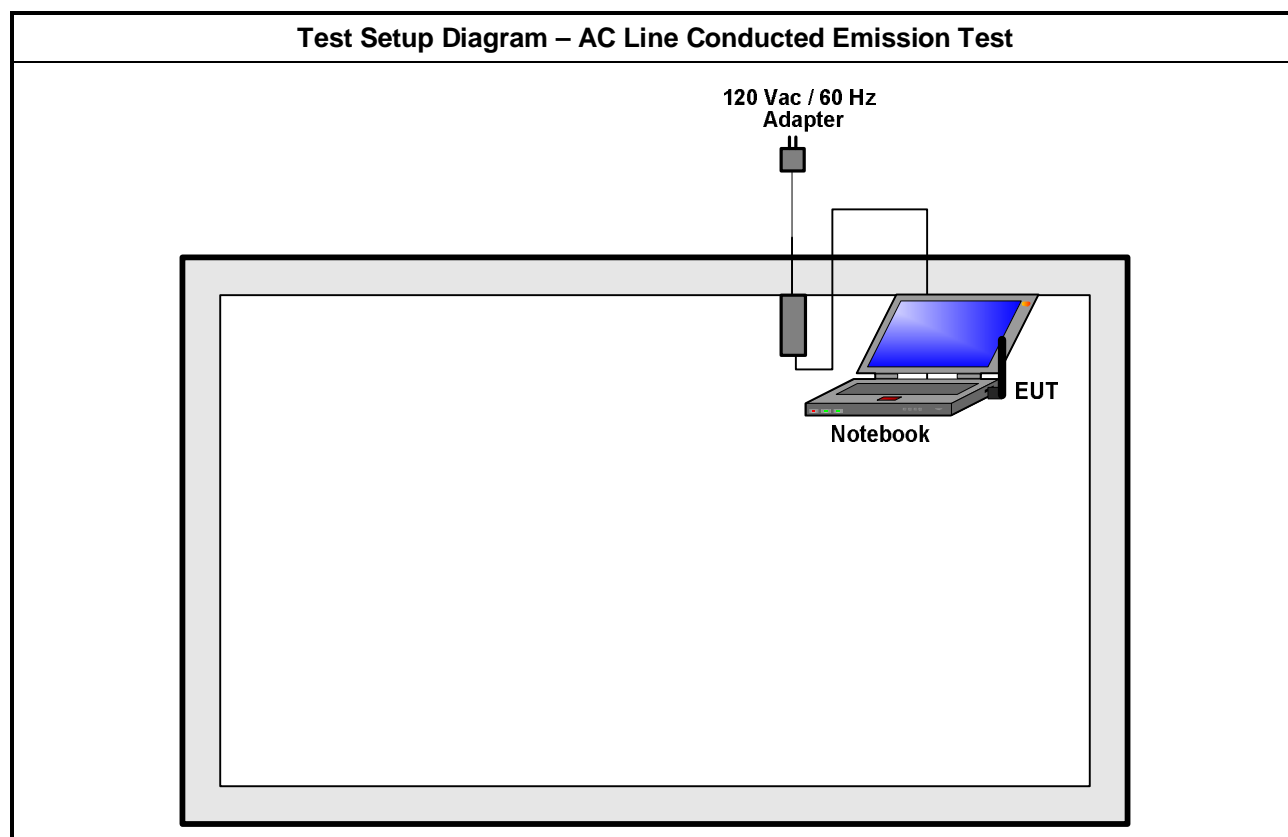
## 2.3 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
<b>Tests Item</b>	AC power-line conducted emissions
<b>Condition</b>	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
<b>Operating Mode</b>	Operating Mode Description
1	Model Name EW-7811UAC, GWU-H811UAC (WiFi link)
2	Model Name EW-7811UTC, GWU-H811UTC (WiFi link)
3	Model Name EW-7811DAC (WiFi link)

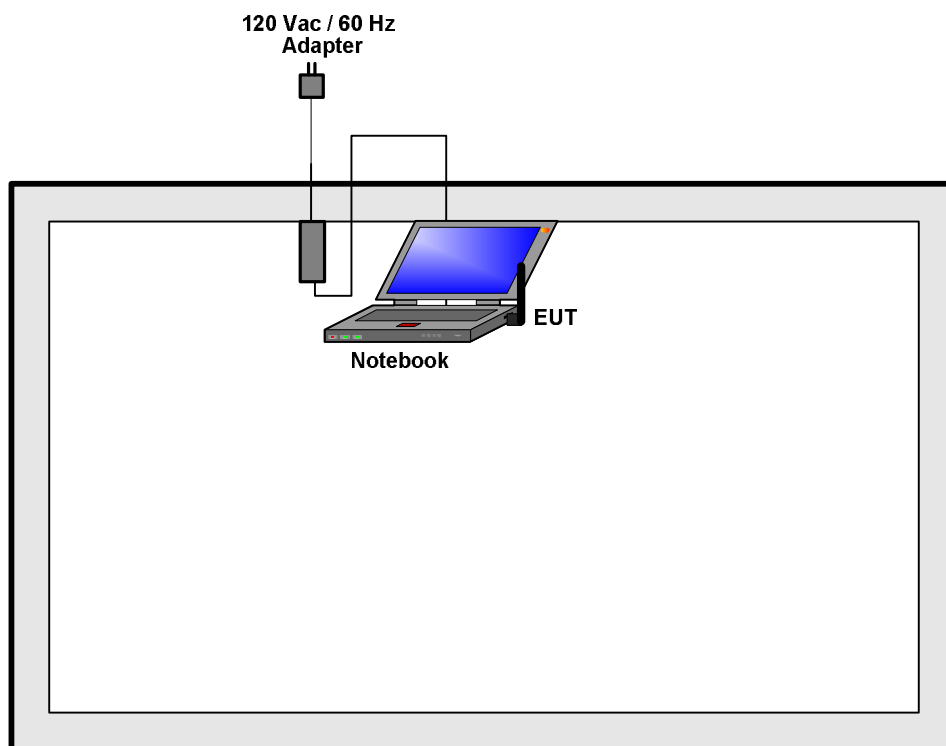
The Worst Case Mode for Following Conformance Tests	
<b>Tests Item</b>	RF Output Power, Power Spectral Density, 6 dB Bandwidth
<b>Test Condition</b>	Conducted measurement at transmit chains
<b>Modulation Mode</b>	11a, HT20, HT40, VHT20, VHT40, VHT80

The Worst Case Mode for Following Conformance Tests		
<b>Tests Item</b>	Transmitter Radiated Unwanted Emissions Transmitter Radiated Bandedge Emissions	
<b>Test Condition</b>	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.	
<b>User Position</b>	<input type="checkbox"/> EUT will be placed in fixed position.	
	<input checked="" type="checkbox"/> EUT will be placed in mobile position and operating multiple positions. EUT shall be performed two orthogonal planes. The worst planes is X.	
	<input type="checkbox"/> 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.	
<b>Operating Mode</b>	<input checked="" type="checkbox"/> 1. Model Name EW-7811UAC, GWU-H811UAC (WiFi link)	
	<input checked="" type="checkbox"/> 2. Model Name EW-7811UTC, GWU-H811UTC (WiFi link)	
	<input checked="" type="checkbox"/> 3. Model Name EW-7811DAC (WiFi link)	
<b>Modulation Mode</b>	11a, HT20, HT40, VHT20, VHT40, VHT80	
<b>Orthogonal Planes of EUT</b>	<b>X Plane</b>	<b>Y Plane</b>
		

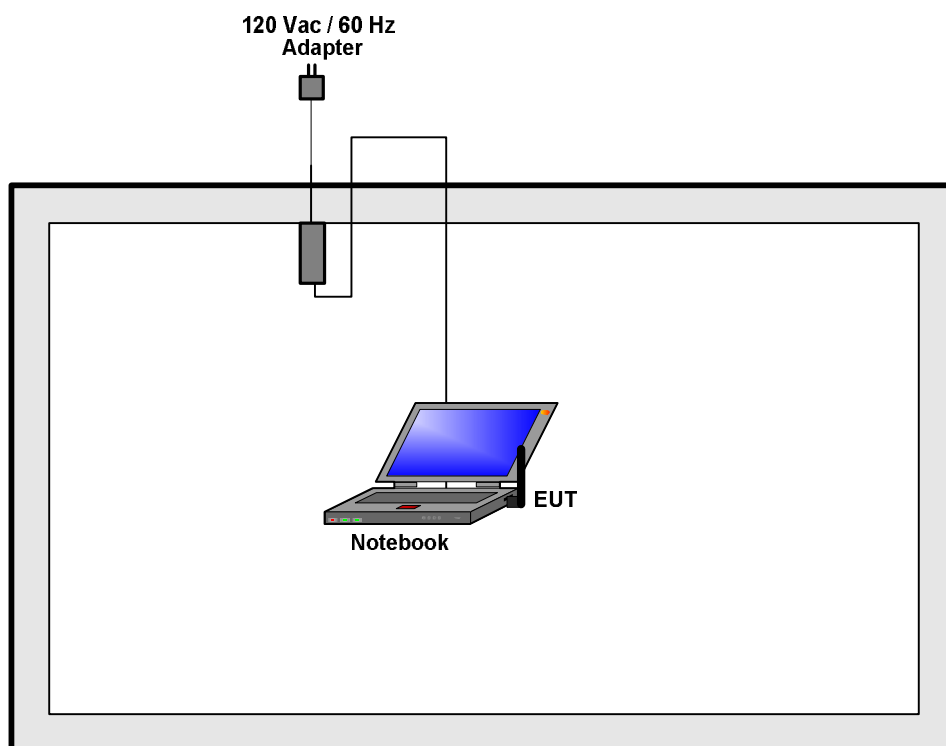
## 2.4 Test Setup Diagram



**Test Setup Diagram - Radiated Test (9kHz~1GHz)**



**Test Setup Diagram - Radiated Test (Above 1GHz)**



### 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.

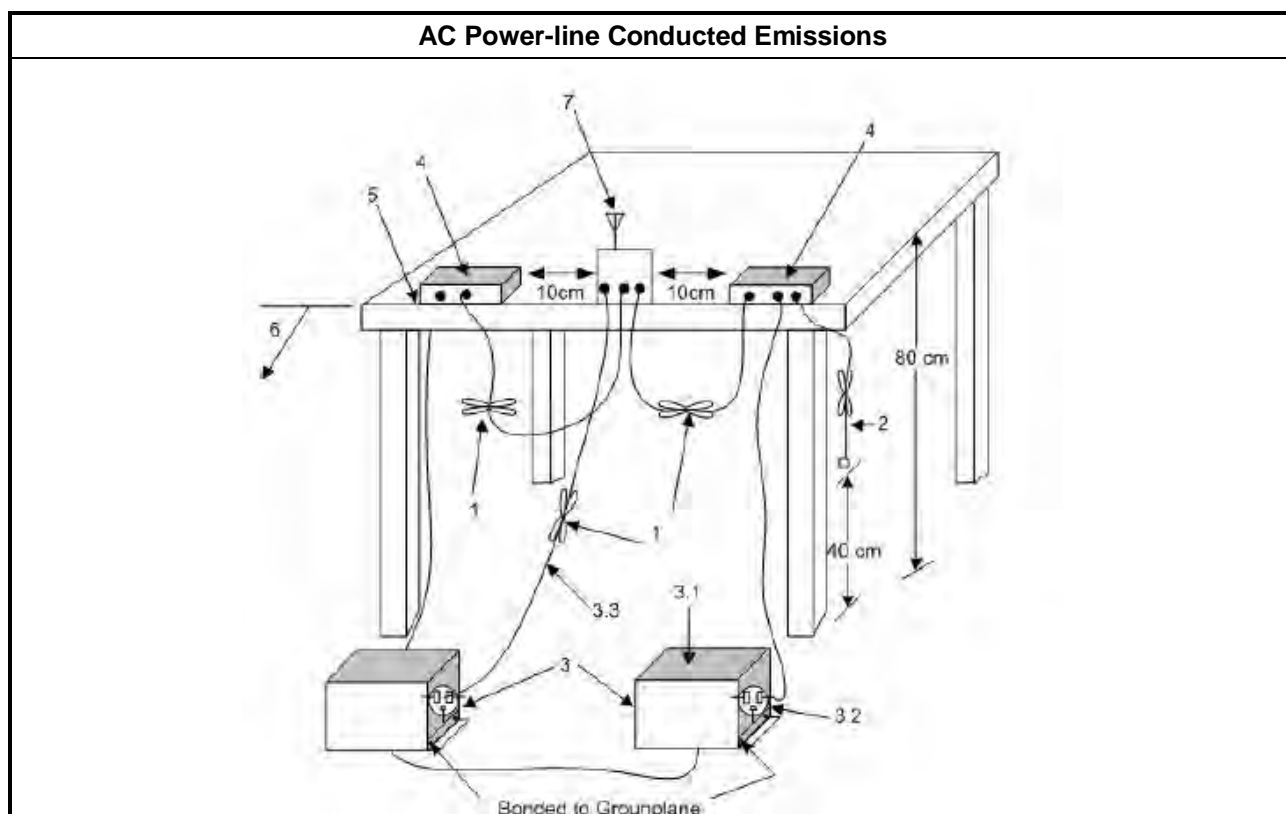
##### 3.1.2 Measuring Instruments

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

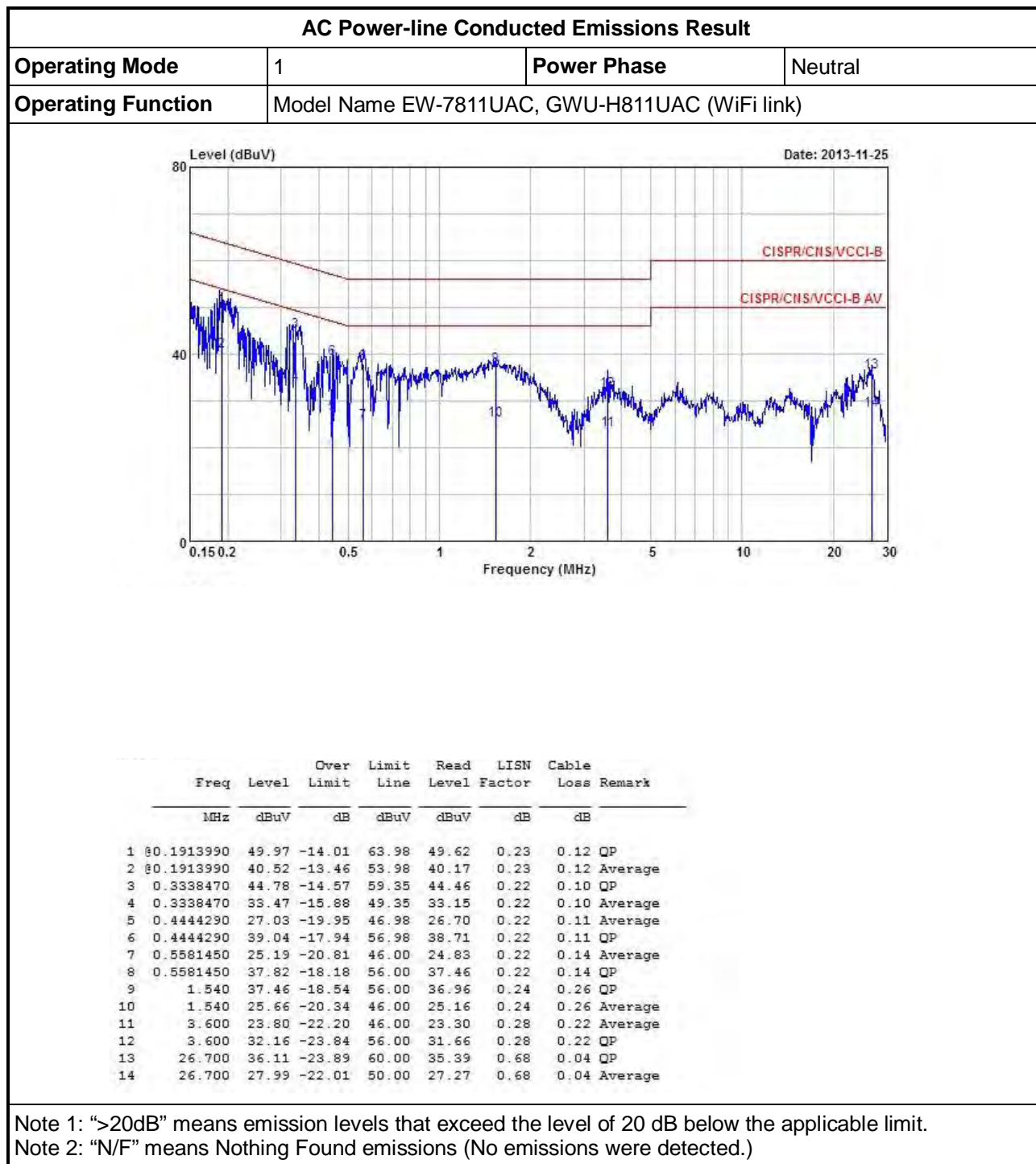
##### 3.1.3 Test Procedures

Test Method
<input checked="" type="checkbox"/> Refer as ANSI C63.10-2009, clause 6.2 for AC power-line conducted emissions.

##### 3.1.4 Test Setup

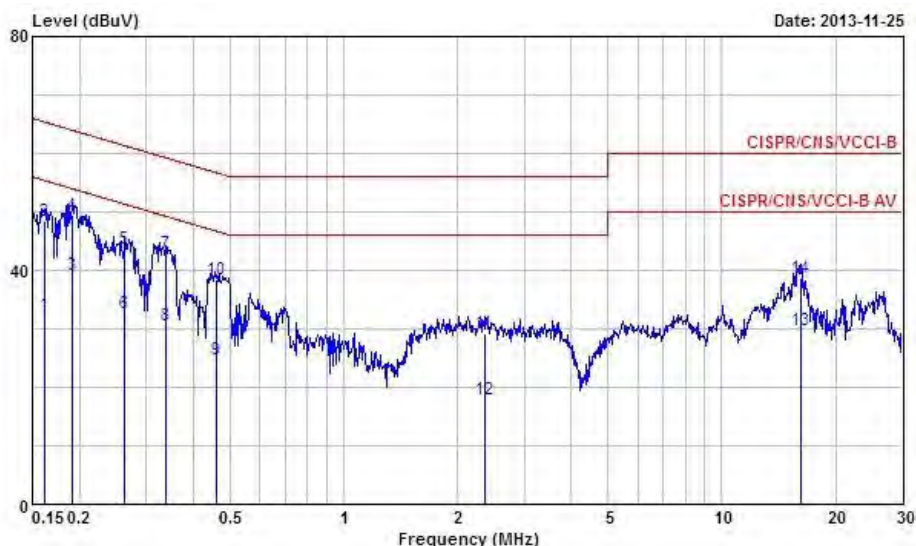


## 3.1.5 Test Result of AC Power-line Conducted Emissions



## AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Line
Operating Function	Model Name EW-7811UAC, GWU-H811UAC (WiFi link)		



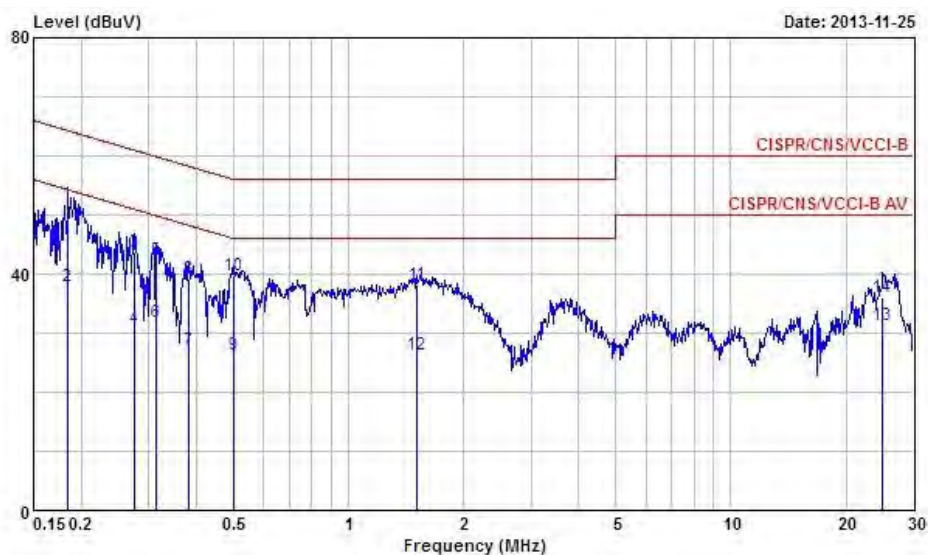
	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1	0.1615500	32.33	-23.05	55.38	32.00	0.11	0.22	Average
2	0.1615500	48.36	-17.02	65.38	48.03	0.11	0.22	QP
3	0.1903870	39.11	-14.91	54.02	38.87	0.11	0.13	Average
4	0.1903870	49.41	-14.61	64.02	49.17	0.11	0.13	QP
5	0.2630270	43.81	-17.53	61.34	43.60	0.11	0.10	QP
6	0.2630270	32.69	-18.65	51.34	32.48	0.11	0.10	Average
7	0.3374030	42.99	-16.28	59.27	42.79	0.10	0.10	QP
8	0.3374030	30.59	-18.68	49.27	30.39	0.10	0.10	Average
9	0.4612220	24.80	-21.87	46.67	24.58	0.10	0.12	Average
10	0.4612220	38.30	-18.37	56.67	38.08	0.10	0.12	QP
11	2.360	29.20	-26.80	56.00	28.79	0.13	0.28	QP
12	2.360	18.00	-28.00	46.00	17.59	0.13	0.28	Average
13	16.140	29.85	-20.15	50.00	29.36	0.29	0.20	Average
14	16.140	38.56	-21.44	60.00	38.07	0.29	0.20	QP

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



## AC Power-line Conducted Emissions Result

Operating Mode	2	Power Phase	Neutral
Operating Function	Model Name EW-7811UTC, GWU-H811UTC (WiFi link)		

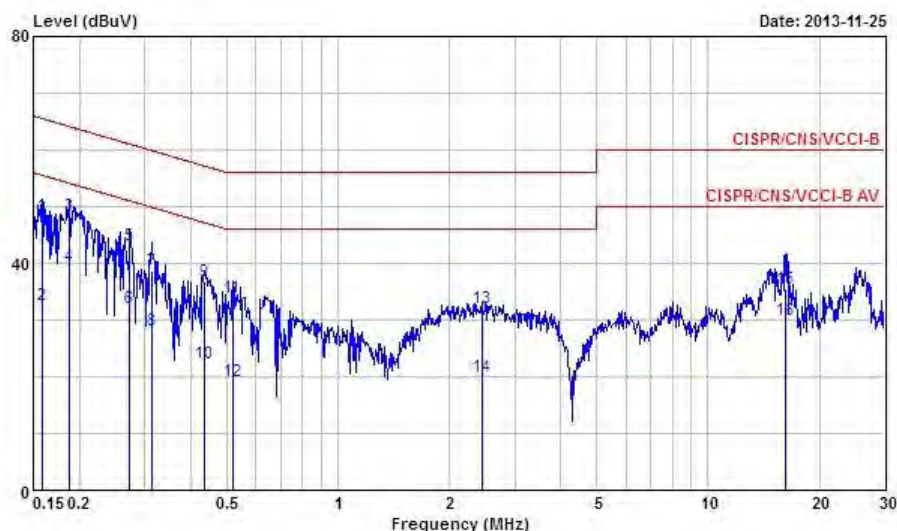


	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1	0.1844300	51.82	-12.46	64.28	51.44	0.23	0.15	QP
2	0.1844300	37.93	-16.35	54.28	37.55	0.23	0.15	Average
3	0.2758730	43.56	-17.38	60.94	43.23	0.23	0.10	QP
4	0.2758730	30.89	-20.05	50.94	30.56	0.23	0.10	Average
5	0.3149460	42.43	-17.41	59.84	42.11	0.22	0.10	QP
6	0.3149460	31.83	-18.01	49.84	31.51	0.22	0.10	Average
7	0.3831540	27.00	-21.21	48.21	26.68	0.22	0.10	Average
8	0.3831540	39.10	-19.11	58.21	38.78	0.22	0.10	QP
9	0.4993730	26.28	-19.73	46.01	25.94	0.22	0.12	Average
10	0.4993730	39.73	-16.28	56.01	39.39	0.22	0.12	QP
11	1.510	38.16	-17.84	56.00	37.66	0.24	0.26	QP
12	1.510	26.37	-19.63	46.00	25.87	0.24	0.26	Average
13	24.920	31.21	-18.79	50.00	30.55	0.65	0.01	Average
14	24.920	36.16	-23.84	60.00	35.50	0.65	0.01	QP

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

## AC Power-line Conducted Emissions Result

Operating Mode	2	Power Phase	Line
Operating Function	Model Name EW-7811UTC, GWU-H811UTC (WiFi link)		

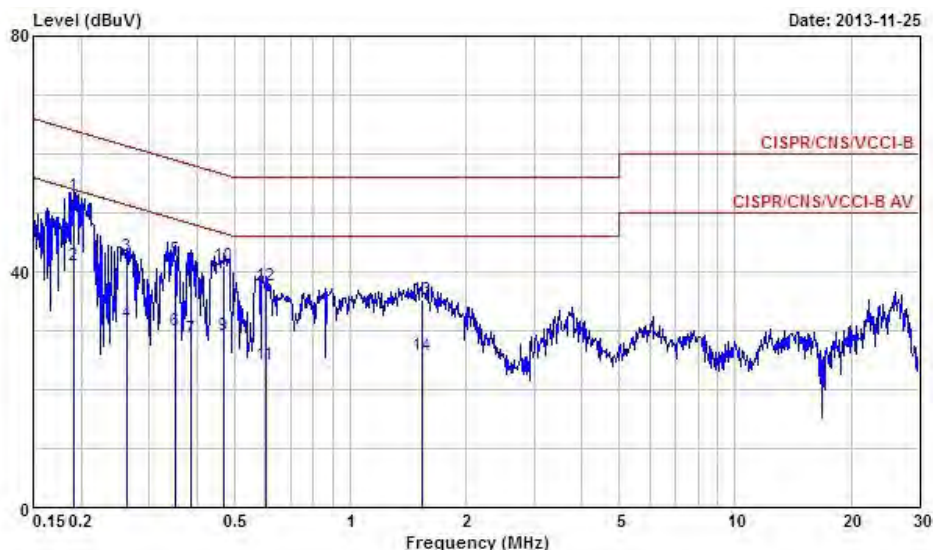


	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1	0.1581620	48.35	-17.21	65.56	48.00	0.11	0.24	QP
2	0.1581620	32.74	-22.82	55.56	32.39	0.11	0.24	Average
3	0.1883800	48.47	-15.64	64.11	48.23	0.11	0.13	QP
4	0.1883800	39.46	-14.65	54.11	39.22	0.11	0.13	Average
5	0.2729650	43.15	-17.88	61.03	42.94	0.11	0.10	QP
6	0.2729650	32.02	-19.01	51.03	31.81	0.11	0.10	Average
7	0.3132810	38.72	-21.16	59.88	38.52	0.10	0.10	QP
8	0.3132810	28.22	-21.66	49.88	28.02	0.10	0.10	Average
9	0.4351090	36.83	-20.32	57.15	36.62	0.10	0.11	QP
10	0.4351090	22.36	-24.79	47.15	22.15	0.10	0.11	Average
11	0.5182420	33.91	-22.09	56.00	33.68	0.10	0.13	QP
12	0.5182420	19.10	-26.90	46.00	18.87	0.10	0.13	Average
13	2.450	32.10	-23.90	56.00	31.69	0.14	0.27	QP
14	2.450	19.90	-26.10	46.00	19.49	0.14	0.27	Average
15	16.140	35.54	-24.46	60.00	35.05	0.29	0.20	QP
16	16.140	29.93	-20.07	50.00	29.44	0.29	0.20	Average

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

## AC Power-line Conducted Emissions Result

Operating Mode	3	Power Phase	Neutral
Operating Function	Model Name EW-7811DAC (WiFi link)		

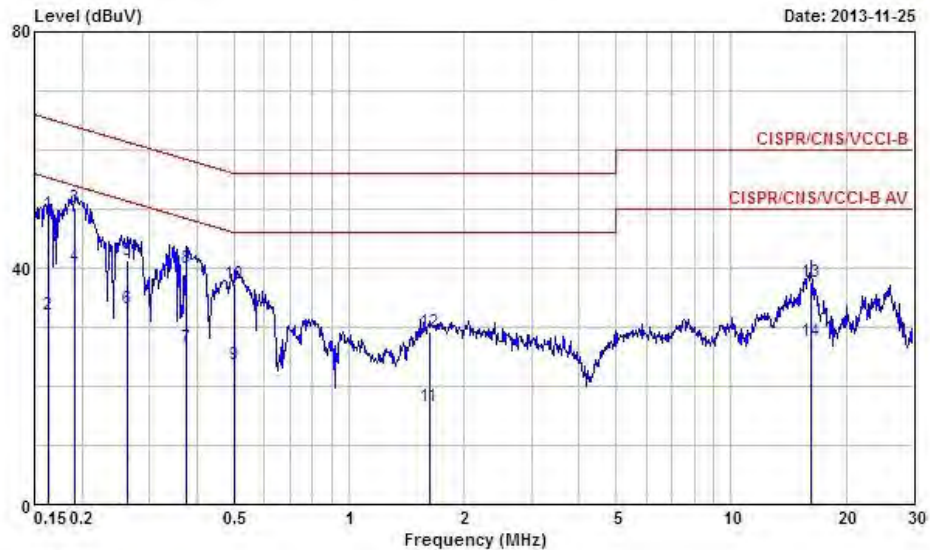


	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1	0.1903870	52.77	-11.25	64.02	52.41	0.23	0.13	QP
2	0.1903870	41.06	-12.96	54.02	40.70	0.23	0.13	Average
3	0.2616370	42.67	-18.71	61.38	42.34	0.23	0.10	QP
4	0.2616370	31.23	-20.15	51.38	30.90	0.23	0.10	Average
5	0.3501520	42.14	-16.82	58.96	41.82	0.22	0.10	QP
6	0.3501520	29.39	-18.97	48.36	29.67	0.22	0.10	Average
7	0.3872360	28.73	-19.39	48.12	28.41	0.22	0.10	Average
8	0.3872360	40.07	-18.05	58.12	39.75	0.22	0.10	QP
9	0.4711010	29.17	-17.32	46.49	28.83	0.22	0.12	Average
10	0.4711010	41.07	-15.42	56.49	40.73	0.22	0.12	QP
11	0.6011200	24.25	-21.75	46.00	23.89	0.22	0.14	Average
12	0.6011200	37.61	-18.39	56.00	37.25	0.22	0.14	QP
13	1.540	35.36	-20.64	56.00	34.86	0.24	0.26	QP
14	1.540	25.79	-20.21	46.00	25.29	0.24	0.26	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	3	Power Phase	Line
Operating Function	Model Name EW-7811DAC (WiFi link)		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.1632710	49.20	-16.10	65.30	48.87	0.11	0.22	QP
2	0.1632710	32.10	-23.20	55.30	31.77	0.11	0.22	Average
3	0.1913990	50.16	-13.82	63.98	49.93	0.11	0.12	QP
4	0.1913990	40.27	-13.71	53.98	40.04	0.11	0.12	Average
5	0.2630270	41.38	-19.96	61.34	41.17	0.11	0.10	QP
6	0.2630270	33.05	-18.29	51.34	32.84	0.11	0.10	Average
7	0.3751190	26.62	-21.77	48.39	26.42	0.10	0.10	Average
8	0.3751190	40.07	-18.32	58.39	39.87	0.10	0.10	QP
9	0.5020260	23.60	-22.40	46.00	23.38	0.10	0.12	Average
10	0.5020260	37.35	-18.65	56.00	37.13	0.10	0.12	QP
11	1.620	16.67	-29.33	46.00	16.28	0.12	0.27	Average
12	1.620	29.13	-26.87	56.00	28.74	0.12	0.27	QP
13	16.230	37.70	-22.30	60.00	37.21	0.29	0.20	QP
14	16.230	27.66	-22.34	50.00	27.17	0.29	0.20	Average

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

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

## 3.2 6dB Bandwidth

### 3.2.1 6dB Bandwidth Limit

6dB Bandwidth Limit
<b>Systems using digital modulation techniques:</b>
<input checked="" type="checkbox"/> 6 dB bandwidth $\geq$ 500 kHz.

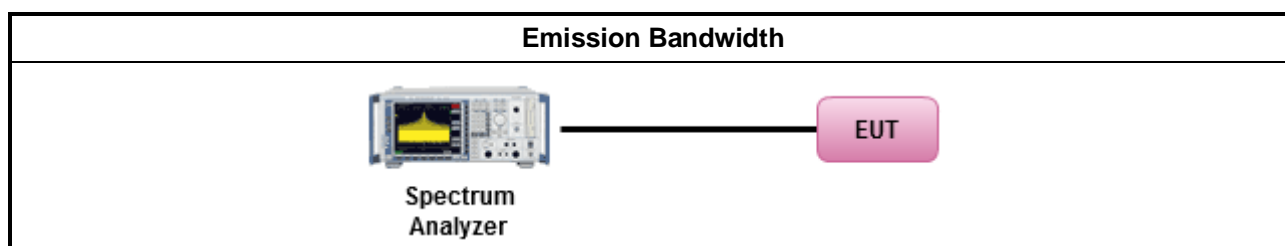
### 3.2.2 Measuring Instruments

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

### 3.2.3 Test Procedures

Test Method
<input checked="" type="checkbox"/> For the emission bandwidth shall be measured using one of the options below:
<input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 7.1 Option 1 for 6 dB bandwidth measurement.
<input type="checkbox"/> Refer as FCC KDB 558074, clause 7.2 Option 2 for 6 dB bandwidth measurement.
<input type="checkbox"/> Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.
<input checked="" type="checkbox"/> For conducted measurement.
<input checked="" type="checkbox"/> The EUT supports single transmit chain and measurements performed on this transmit chain.
<input type="checkbox"/> The EUT supports diversity transmitting and the results on transmit chain port 1 is the worst case.
<input type="checkbox"/> The EUT supports multiple transmit chains using options given below:
<input type="checkbox"/> 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.
<input type="checkbox"/> 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

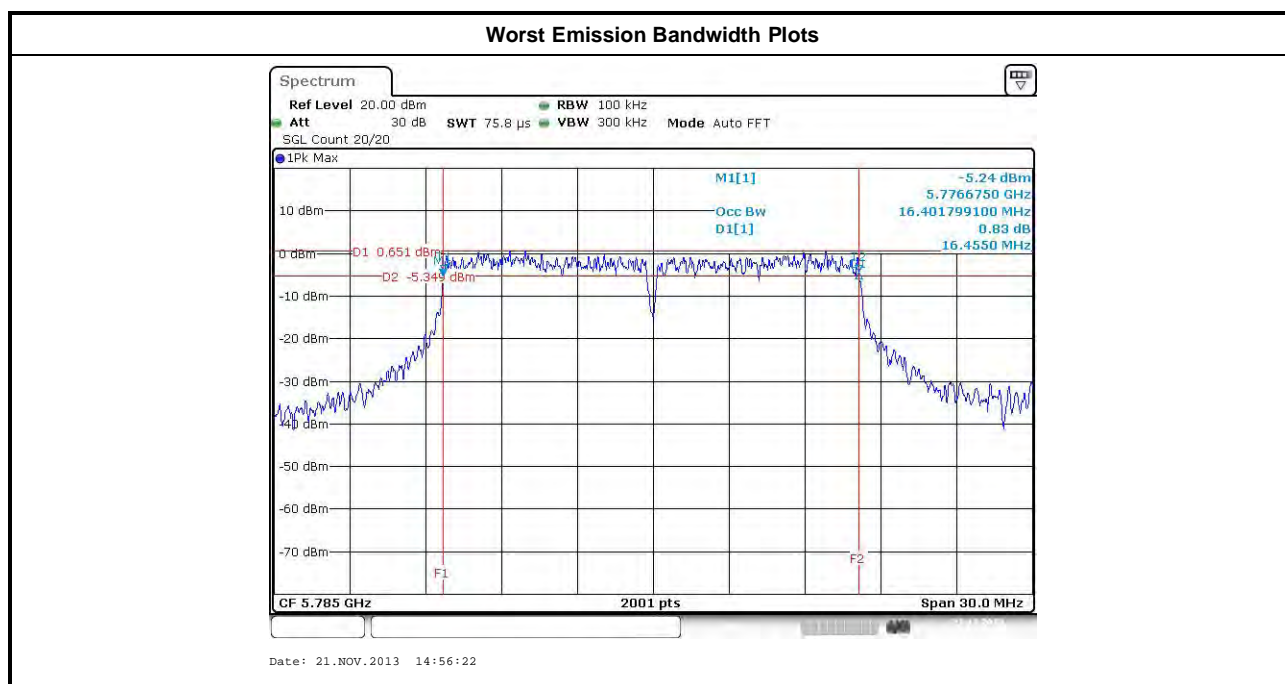




### 3.2.5 Test Result of Emission Bandwidth

Emission Bandwidth Result				
Condition			Emission Bandwidth (MHz)	
Modulation Mode	N <sub>TX</sub>	Freq. (MHz)	99% Bandwidth	6dB Bandwidth
11a	1	5745	16.44	16.54
11a	1	5785	16.40	16.45
11a	1	5825	16.44	16.53
HT20	1	5745	17.67	17.76
HT20	1	5785	17.66	17.74
HT20	1	5825	17.63	17.67
HT40	1	5755	36.22	36.44
HT40	1	5795	36.18	36.48
VHT20	1	5745	17.67	17.77
VHT20	1	5785	17.64	17.71
VHT20	1	5825	17.64	17.64
VHT40	1	5755	36.22	36.40
VHT40	1	5795	36.22	36.48
VHT80	1	5775	75.48	76.16
Limit			N/A	≥500 kHz
Result			Complied	

Note 1: N<sub>TX</sub> = Number of Transmit Chains



### 3.3 RF Output Power

#### 3.3.1 RF Output Power Limit

RF Output Power Limit	
<b>Maximum Peak Conducted Output Power or Maximum Conducted Output Power Limit</b>	
<input checked="" type="checkbox"/> 5725-5850 MHz Band:	
<input checked="" type="checkbox"/>	If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)
<input checked="" type="checkbox"/>	Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ dBm
<input type="checkbox"/>	Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30$ dBm
<b>e.i.r.p. Power Limit:</b>	
<input checked="" type="checkbox"/> 5725-5850 MHz Band	
<input checked="" type="checkbox"/>	Point-to-multipoint systems (P2M): $P_{eirp} \leq 36$ dBm (4 W)
<input type="checkbox"/>	Point-to-point systems (P2P): N/A
$P_{Out}$ = maximum peak conducted output power or maximum conducted output power in dBm, $G_{TX}$ = the maximum transmitting antenna directional gain in dBi. $P_{eirp}$ = e.i.r.p. Power in dBm.	

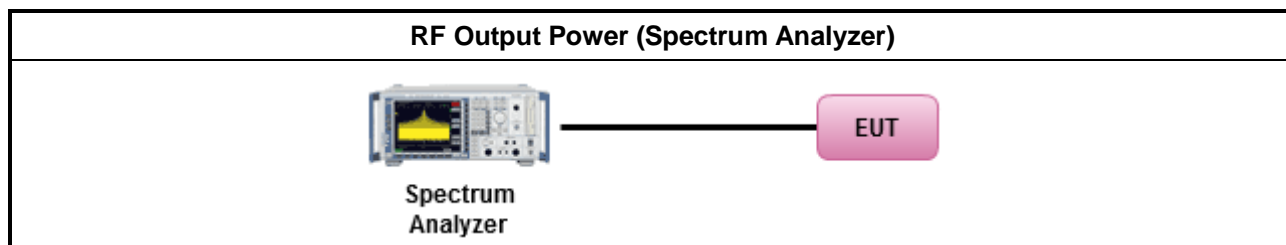
#### 3.3.2 Measuring Instruments

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

### 3.3.3 Test Procedures

Test Method	
<input checked="" type="checkbox"/>	Maximum Peak Conducted Output Power
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 8.1.1 Option 1 (RBW ≥ EBW method).
<input checked="" type="checkbox"/>	Refer as FCC KDB 558074, clause 8.1.2 Option 2 (integrated band power method).
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 8.1.3 Option 2 (peak power meter for VBW ≥ DTS BW)
<input checked="" type="checkbox"/>	Maximum Conducted (Average) Output Power
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 8.2.1 Option 1 (spectral trace averaging).
<input checked="" type="checkbox"/>	Refer as FCC KDB 558074, clause 8.2.2 Option 2 (slow sweep speed).
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 8.2.3 Option 3 (average power meter).
<input checked="" type="checkbox"/>	For conducted measurement.
<input checked="" type="checkbox"/>	The EUT supports single transmit chain and measurements performed on this transmit chain.
<input type="checkbox"/>	The EUT supports diversity transmitting and the results on transmit chain port 1 is the worst case.
<input type="checkbox"/>	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.
<input type="checkbox"/>	If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

### 3.3.4 Test Setup





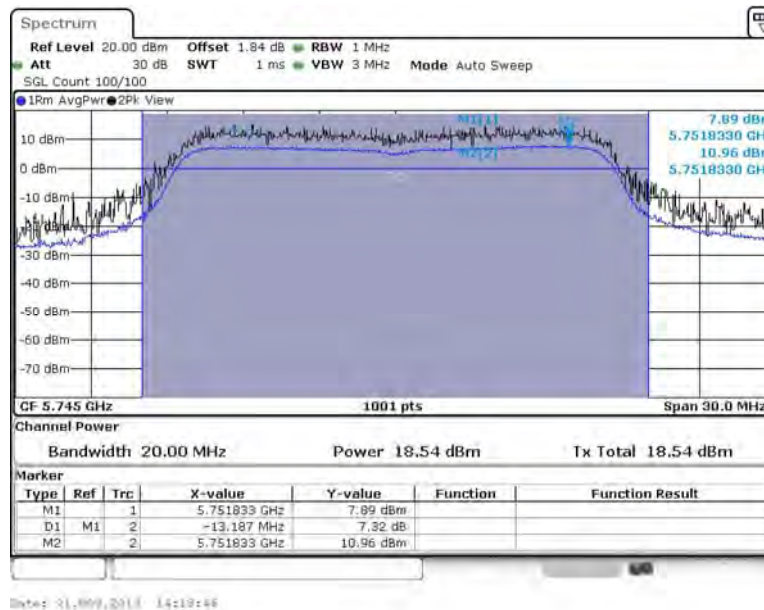
### 3.3.5 Test Result of Maximum Peak Conducted Output Power

Maximum Peak Conducted Output Power Result						
Condition			RF Output Power (dBm)			
Modulation Mode	N <sub>TX</sub>	Freq. (MHz)	Output Power	Power Limit	EIRP Power	EIRP Limit
11a	1	5745	23.48	28.90	30.58	36
11a	1	5785	21.19	28.90	28.29	36
11a	1	5825	20.00	28.90	27.10	36
HT20	1	5745	23.09	28.90	30.19	36
HT20	1	5785	21.74	28.90	28.84	36
HT20	1	5825	20.90	28.90	28.00	36
HT40	1	5755	22.81	28.90	29.91	36
HT40	1	5795	21.95	28.90	29.05	36
VHT20	1	5745	23.31	28.90	30.41	36
VHT20	1	5785	21.58	28.90	28.68	36
VHT20	1	5825	21.36	28.90	28.46	36
VHT40	1	5755	22.88	28.90	29.98	36
VHT40	1	5795	22.08	28.90	29.18	36
VHT80	1	5775	20.81	28.90	27.91	36
Result			Complied			

### 3.3.6 Test Result of Maximum Conducted Output Power

Maximum Conducted Output Power						
Condition			RF Output Power (dBm)			
Modulation Mode	N <sub>TX</sub>	Freq. (MHz)	Output Power	Power Limit	EIRP Power	EIRP Limit
11a	1	5745	18.54	28.90	25.64	36
11a	1	5785	16.34	28.90	23.44	36
11a	1	5825	15.13	28.90	22.23	36
HT20	1	5745	17.81	28.90	24.91	36
HT20	1	5785	16.57	28.90	23.67	36
HT20	1	5825	15.74	28.90	22.84	36
HT40	1	5755	17.93	28.90	25.03	36
HT40	1	5795	17.06	28.90	24.16	36
VHT20	1	5745	18.32	28.90	25.42	36
VHT20	1	5785	16.53	28.90	23.63	36
VHT20	1	5825	16.15	28.90	23.25	36
VHT40	1	5755	17.95	28.90	25.05	36
VHT40	1	5795	17.13	28.90	24.23	36
VHT80	1	5775	15.86	28.90	22.96	36
Result			Complied			

## Worst RF Output Power Plots



### 3.4 Power Spectral Density

#### 3.4.1 Power Spectral Density Limit

Power Spectral Density Limit	
<input checked="" type="checkbox"/>	Power Spectral Density (PSD) $\leq$ 8 dBm/3kHz

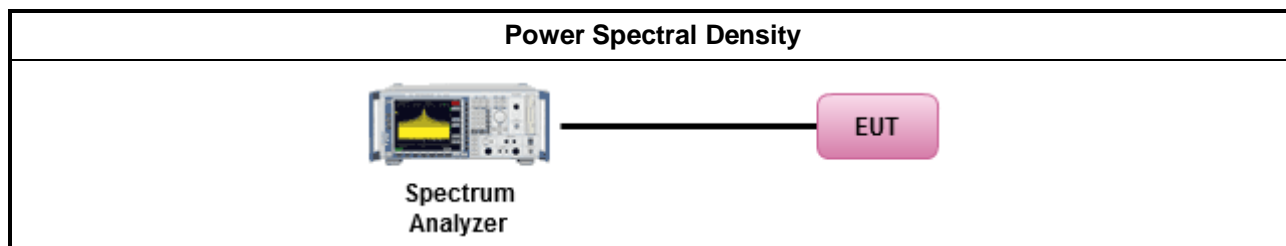
#### 3.4.2 Measuring Instruments

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

#### 3.4.3 Test Procedures

Test Method	
<input checked="" type="checkbox"/>	Power spectral density procedures that the same method as used to determine the conducted output power shall be used to determine the power spectral density. In addition, the use of a peak PSD procedure will always result in a "worst-case" measured level for comparison to the limit. Therefore, whenever the DTS bandwidth exceeds 500 kHz, it is acceptable to utilize the peak PSD procedure to demonstrate compliance to the PSD limit, regardless of how the fundamental output power was measured. For the power spectral density shall be measured using below options:
<input checked="" type="checkbox"/>	Refer as FCC KDB 558074, clause 9.1 Option 1 - (RBW $\geq$ 3kHz; sweep=auto, detector=peak).
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 9.2 Option 2 - (RBW $\geq$ 3kHz; sweep=auto, average=100).
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 9.3 Option 3 - (RBW $\geq$ 3kHz; slow sweep speed).
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 9.4 Alternative 1 (average PSD; Add 10log (1/duty cycle).
<input type="checkbox"/>	RBW>3kHz, add the bandwidth correction factor (BWCF) adjusting in PSD per 3kHz.
<input checked="" type="checkbox"/>	For conducted measurement.
<input checked="" type="checkbox"/>	The EUT supports single transmit chain and measurements performed on this transmit chain.
<input type="checkbox"/>	The EUT supports diversity transmitting and the results on transmit chain port 1 is the worst case.
<input type="checkbox"/>	The EUT supports multiple transmit chains using options given below:
<input type="checkbox"/>	Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the N <sub>TX</sub> output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
<input type="checkbox"/>	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.

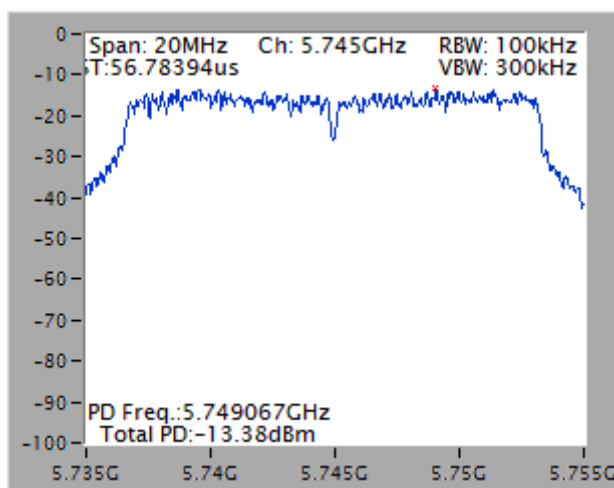
#### 3.4.4 Test Setup



### 3.4.5 Test Result of Power Spectral Density

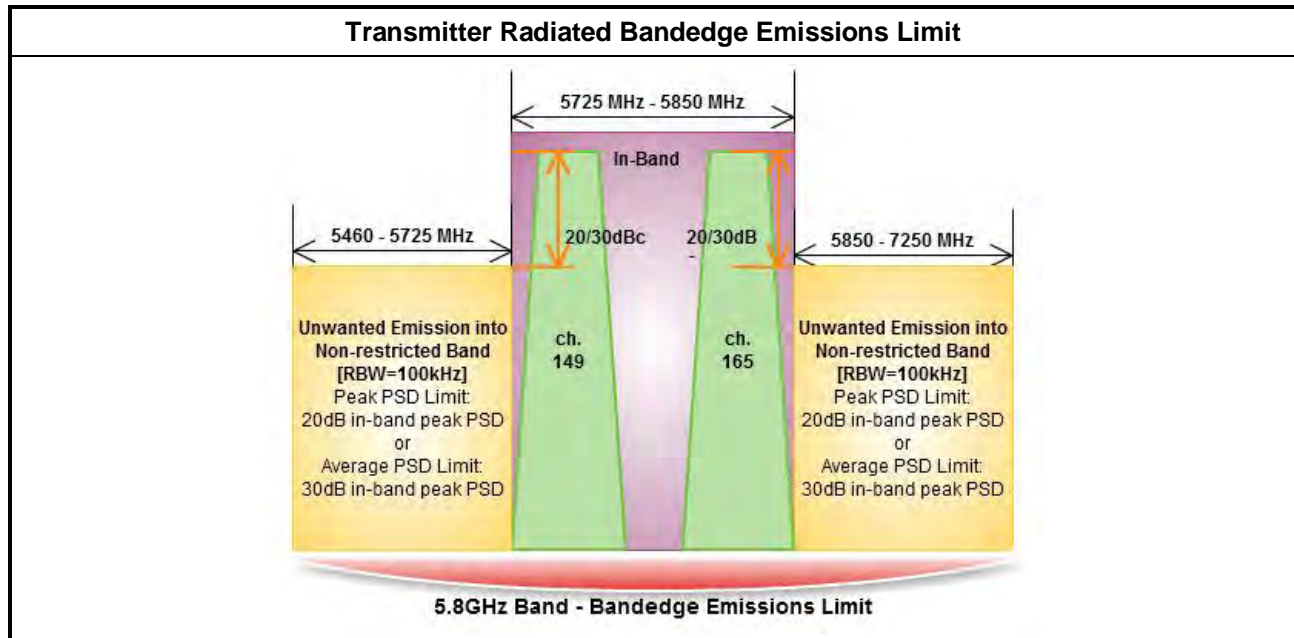
Power Spectral Density Result				
Modulation Mode	N <sub>TX</sub>	Freq. (MHz)	Power Spectral Density (dBm/100kHz)	Power Limit (dBm/3kHz)
11a	1	5745	-13.38	8
11a	1	5785	-13.98	8
11a	1	5825	-14.64	8
HT20	1	5745	-14.15	8
HT20	1	5785	-14.45	8
HT20	1	5825	-14.22	8
HT40	1	5755	-16.37	8
HT40	1	5795	-18.05	8
VHT20	1	5745	-13.80	8
VHT20	1	5785	-14.48	8
VHT20	1	5825	-15.11	8
VHT40	1	5755	-16.88	8
VHT40	1	5795	-17.18	8
VHT80	1	5775	-20.58	8
Result			Complied	

Worst Power Spectral Density Plots



### 3.5 Transmitter Radiated Bandedge Emissions

#### 3.5.1 Transmitter Radiated Bandedge Emissions Limit



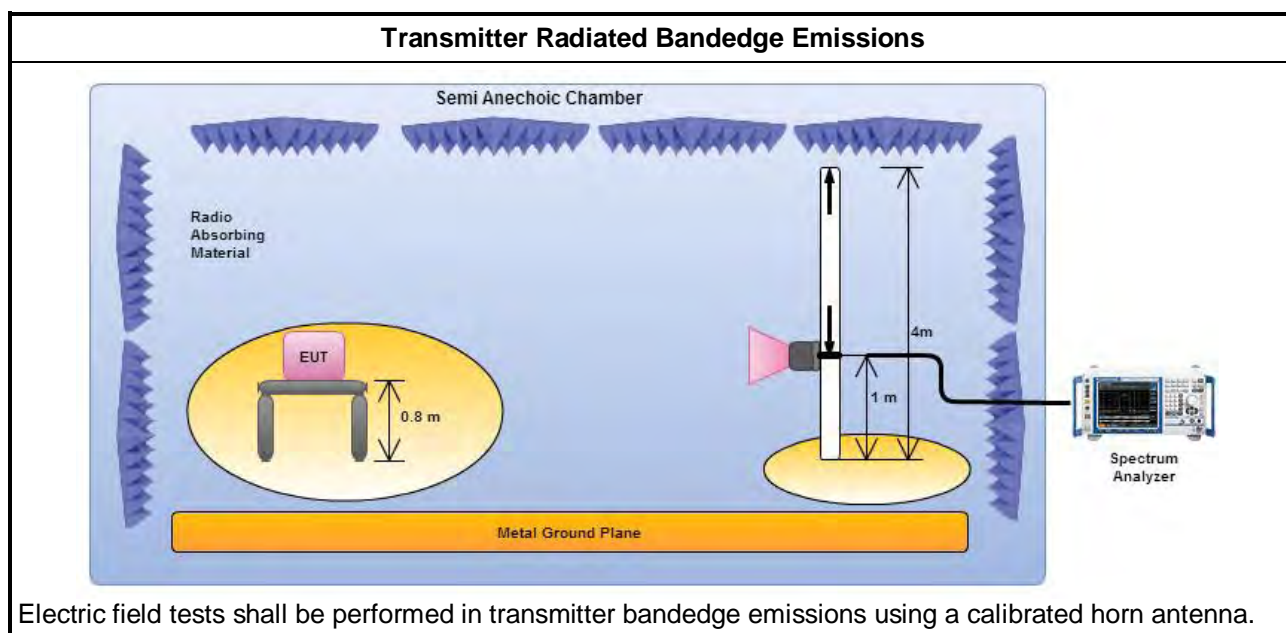
#### 3.5.2 Measuring Instruments

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

### 3.5.3 Test Procedures

Test Method	
<input checked="" type="checkbox"/>	The average emission levels shall be measured in [duty cycle $\geq 98$ or duty factor].
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	For the transmitter unwanted emissions shall be measured using following options below:
<input checked="" type="checkbox"/>	Refer as FCC KDB 558074, clause 11 for unwanted emissions into non-restricted bands.
<input checked="" type="checkbox"/>	Refer as FCC KDB 558074, clause 12 for unwanted emissions into restricted bands.
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 12.2.5.1 Option 1 (trace averaging for duty cycle $\geq 98\%$ )
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 12.2.5.2 Option 2 (trace averaging + duty factor).
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 12.2.5.3 Option 3 (Reduced VBW $\geq 1/T$ ).
<input type="checkbox"/>	Refer as ANSI C63.10, clause 4.2.3.2.3 (Reduced VBW). VBW $\geq 1/T$ , where T is pulse time.
<input checked="" type="checkbox"/>	Refer as ANSI C63.10, clause 4.2.3.2.4 average value of pulsed emissions.
<input checked="" type="checkbox"/>	Refer as FCC KDB 558074, clause 11.3 and 12.2.4 measurement procedure peak limit.
<input checked="" type="checkbox"/>	For the transmitter bandedge emissions shall be measured using following options below:
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 13.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).
<input checked="" type="checkbox"/>	Refer as ANSI C63.10, clause 6.9.2 for band-edge testing.
<input type="checkbox"/>	Refer as ANSI C63.10, clause 6.9.3 for marker-delta method for band-edge measurements.
<input checked="" type="checkbox"/>	For radiated measurement, refer as FCC KDB 558074, clause 12.2.7 and ANSI C63.10, clause 6.6. Test distance is 1m.

### 3.5.4 Test Setup



### 3.5.5 Transmitter Radiated Bandedge Emissions

#### Mode 1

5725-5850MHz Transmitter Radiated Bandedge Emissions								
Modulation	N <sub>TX</sub>	Test Freq. (MHz)	In-band PSD [i] (dBuV/100kHz)	Freq. (MHz)	Out-band PSD [o] (dBuV/100kHz)	[i] – [o] (dB)	Limit (dB)	Pol.
11a	1	5745	105.93	5713.77	68.31	37.62	20	V
11a	1	5825	107.85	5859.11	68.70	39.15	20	V
HT20	1	5745	107.11	5724.41	68.34	38.77	20	V
HT20	1	5825	107.92	5863.79	69.02	38.90	20	V
HT40	1	5755	103.00	5724.20	69.27	33.73	20	V
HT40	1	5795	104.04	5853.90	67.71	36.33	20	V
VHT20	1	5745	108.72	5691.02	68.44	40.28	20	V
VHT20	1	5825	109.31	5853.61	68.09	41.22	20	V
VHT40	1	5755	104.56	5724.20	69.25	35.31	20	V
VHT40	1	5795	105.41	5856.60	69.19	36.22	20	V
VHT80	1	5775	100.26	5715.47	68.50	31.76	20	V

Note 1: Measurement worst emissions of receive antenna polarization

#### Mode 2

5725-5850MHz Transmitter Radiated Bandedge Emissions								
Modulation	N <sub>TX</sub>	Test Freq. (MHz)	In-band PSD [i] (dBuV/100kHz)	Freq. (MHz)	Out-band PSD [o] (dBuV/100kHz)	[i] – [o] (dB)	Limit (dB)	Pol.
11a	1	5745	101.72	5696.13	69.31	32.41	20	V
11a	1	5825	102.41	5852.51	70.02	32.39	20	V
HT20	1	5745	98.14	5692.42	68.05	30.09	20	V
HT20	1	5825	98.20	5856.91	68.33	29.87	20	V
HT40	1	5755	94.84	5724.25	68.47	26.37	20	V
HT40	1	5795	94.92	5869.10	68.38	26.54	20	V
VHT20	1	5745	97.59	5705.93	67.93	29.66	20	V
VHT20	1	5825	98.98	5859.99	68.63	30.35	20	V
VHT40	1	5755	96.74	5706.20	68.89	27.85	20	V
VHT40	1	5795	97.18	5851.10	68.83	28.35	20	V
VHT80	1	5775	94.29	5713.43	68.83	25.46	20	V

Note 1: Measurement worst emissions of receive antenna polarization

**Mode 3**

5725-5850MHz Transmitter Radiated Bandedge Emissions								
Modulation	N <sub>TX</sub>	Test Freq. (MHz)	In-band PSD [i] (dBuV/100kHz)	Freq. (MHz)	Out-band PSD [o] (dBuV/100kHz)	[i] – [o] (dB)	Limit (dB)	Pol.
11a	1	5745	99.24	5699.70	68.29	30.95	20	H
11a	1	5825	100.11	5862.03	67.40	32.71	20	H
HT20	1	5745	99.64	5699.42	68.73	30.91	20	H
HT20	1	5825	100.76	5860.93	67.87	32.89	20	H
HT40	1	5755	96.89	5722.70	68.49	28.40	20	H
HT40	1	5795	96.59	5865.40	68.87	27.72	20	H
VHT20	1	5745	99.36	5723.01	69.42	29.94	20	H
VHT20	1	5825	100.03	5861.97	68.00	32.03	20	H
VHT40	1	5755	97.12	5715.40	68.06	29.06	20	H
VHT40	1	5795	96.39	5850.70	66.91	29.48	20	H
VHT80	1	5775	93.43	5720.23	69.02	24.41	20	H
Note 1: Measurement worst emissions of receive antenna polarization								



### 3.6 Transmitter Radiated Unwanted Emissions

#### 3.6.1 Transmitter Radiated Unwanted Emissions Limit

Restricted Band Emissions 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 Limit	
RF output power procedure	Limit (dB)
Peak output power procedure	20
Average output power procedure	30

Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak PSD level.

Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average PSD level.

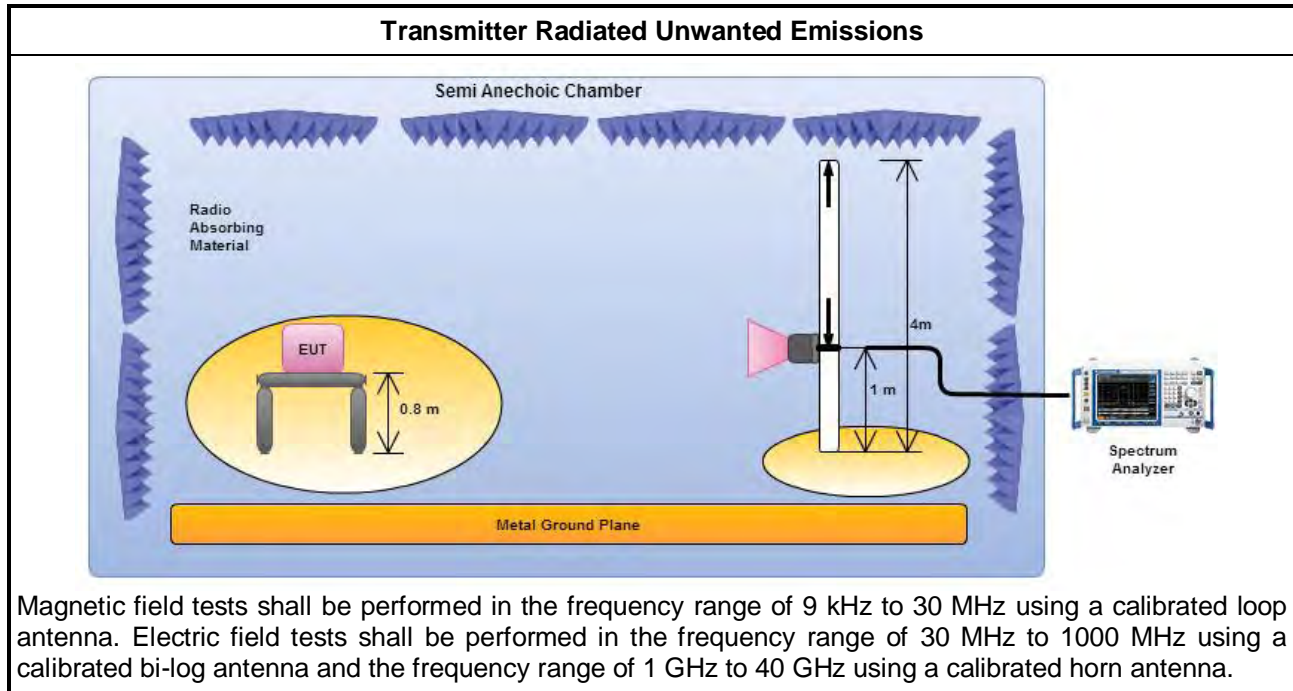
#### 3.6.2 Measuring Instruments

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

### 3.6.3 Test Procedures

Test Method	
<input checked="" type="checkbox"/>	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).
<input type="checkbox"/>	The average emission levels shall be measured in [duty cycle $\geq 98$ or duty factor].
<input checked="" type="checkbox"/>	For the transmitter unwanted emissions shall be measured using following options below:
<input checked="" type="checkbox"/>	Refer as FCC KDB 558074, clause 11 for unwanted emissions into non-restricted bands.
<input checked="" type="checkbox"/>	Refer as FCC KDB 558074, clause 12 for unwanted emissions into restricted bands.
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 12.2.5.1 Option 1 (trace averaging for duty cycle $\geq 98\%$ )
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 12.2.5.2 Option 2 (trace averaging + duty factor).
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 12.2.5.3 Option 3 (Reduced VBW $\geq 1/T$ ).
<input type="checkbox"/>	Refer as ANSI C63.10, clause 4.2.3.2.3 (Reduced VBW). VBW $\geq 1/T$ , where T is pulse time.
<input checked="" type="checkbox"/>	Refer as ANSI C63.10, clause 4.2.3.2.4 average value of pulsed emissions.
<input checked="" type="checkbox"/>	Refer as FCC KDB 558074, clause 11.3 and 12.2.4 measurement procedure peak limit.
<input checked="" type="checkbox"/>	Refer as FCC KDB 558074, clause 12.2.3 measurement procedure Quasi-Peak limit.
<input checked="" type="checkbox"/>	For radiated measurement, refer as FCC KDB 558074, clause 12.2.7.
<input checked="" type="checkbox"/>	Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.
<input checked="" type="checkbox"/>	Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
<input checked="" type="checkbox"/>	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1 GHz and test distance is 3m, above 5GHz and test distance is 1m.
<input checked="" type="checkbox"/>	The any unwanted emissions level shall not exceed the fundamental emission level.
<input checked="" type="checkbox"/>	All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

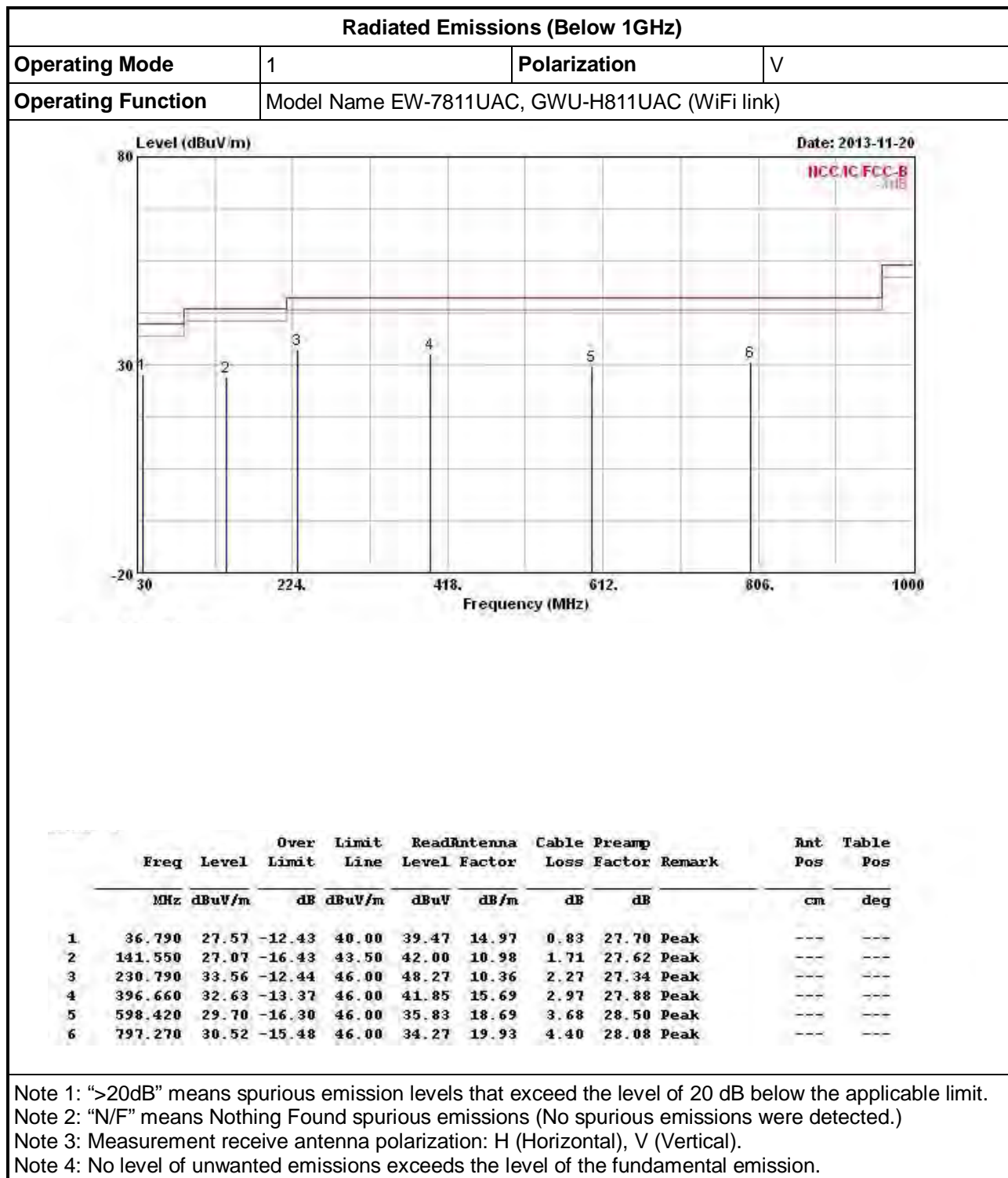
### 3.6.4 Test Setup



### 3.6.5 Transmitter Radiated Unwanted Emissions (Below 30MHz)

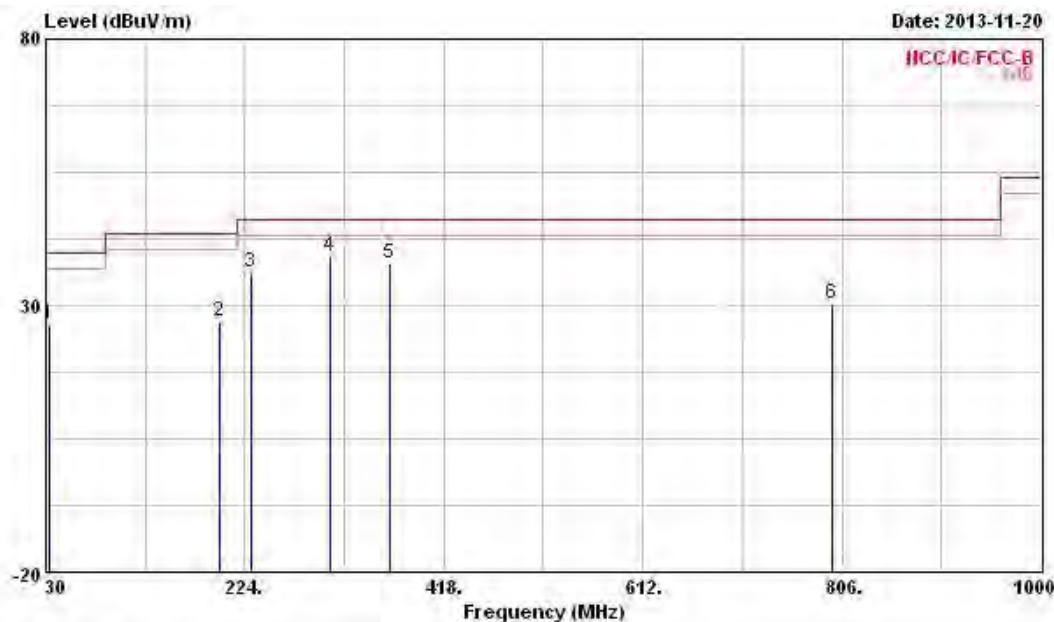
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

## 3.6.6 Transmitter Radiated Unwanted Emissions (Below 1GHz)



## Radiated Emissions (Below 1GHz)

Operating Mode	1	Polarization	H
Operating Function	Model Name EW-7811UAC, GWU-H811UAC (WiFi link)		



	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	32.910	26.46	-13.54	40.00	36.31	17.11	0.79	27.75	Peak	---	---
2	198.780	27.09	-16.41	43.50	43.14	9.32	2.06	27.43	Peak	---	---
3	230.790	36.15	-9.85	46.00	50.86	10.36	2.27	27.34	Peak	---	---
4	307.420	39.36	-6.64	46.00	50.53	13.45	2.59	27.21	Peak	---	---
5	365.620	37.81	-8.19	46.00	47.71	14.88	2.87	27.65	Peak	---	---
6	796.300	30.29	-15.71	46.00	34.03	19.94	4.40	28.08	Peak	---	---

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

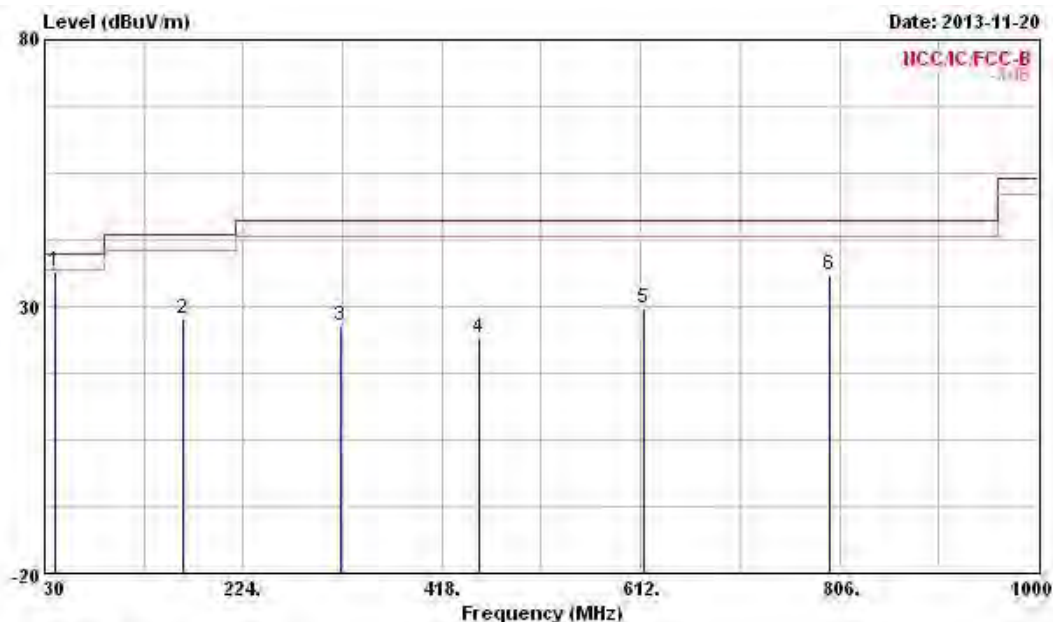
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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

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

## Radiated Emissions (Below 1GHz)

Operating Mode	2	Polarization	V
Operating Function	Model Name EW-7811UTC, GWU-H811UTC (WiFi link)		



	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	39.700	36.64	-3.36	40.00	50.33	13.10	0.87	27.66	Peak	---	---
2	164.830	27.61	-15.89	43.50	43.38	9.95	1.82	27.54	Peak	---	---
3	319.060	26.33	-19.67	46.00	37.26	13.72	2.65	27.30	Peak	---	---
4	454.860	24.23	-21.77	46.00	32.19	17.04	3.19	28.19	Peak	---	---
5	614.910	29.69	-16.31	46.00	35.42	18.99	3.75	28.47	Peak	---	---
6	797.270	36.07	-9.93	46.00	39.82	19.93	4.40	28.08	Peak	---	---

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

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

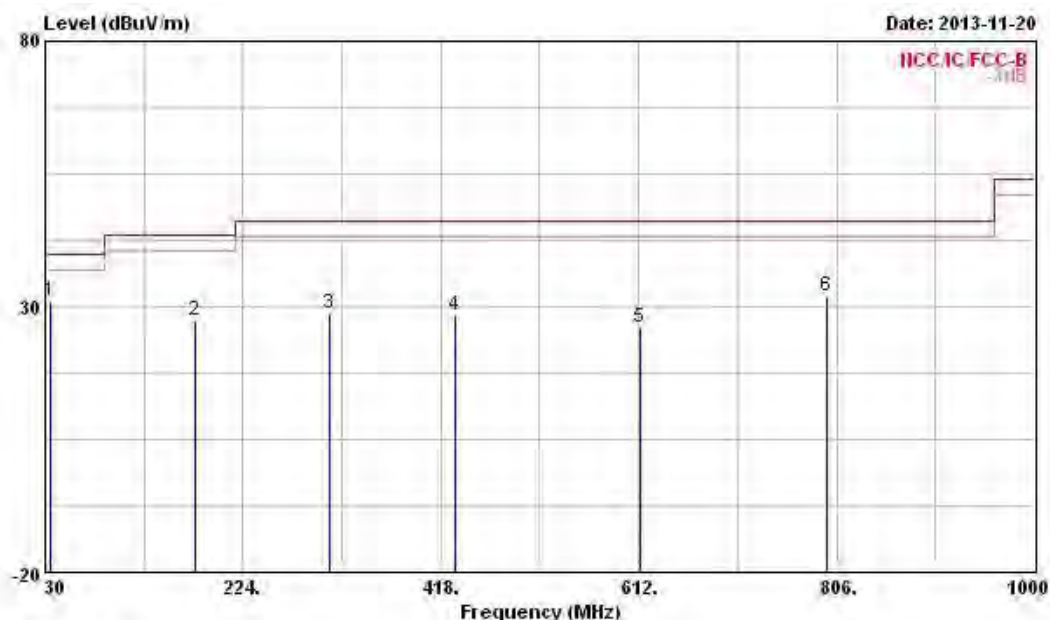
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical).

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



**Radiated Emissions (Below 1GHz)**

<b>Operating Mode</b>	2	<b>Polarization</b>	H
<b>Operating Function</b>	Model Name EW-7811UTC, GWU-H811UTC (WiFi link)		



	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	34.850	30.84	-9.16	40.00	41.55	16.21	0.81	27.73	Peak	---	---
2	176.470	27.23	-16.27	43.50	43.20	9.61	1.92	27.50	Peak	---	---
3	308.390	28.64	-17.36	46.00	39.78	13.48	2.60	27.22	Peak	---	---
4	431.580	28.42	-17.58	46.00	36.67	16.72	3.10	28.07	Peak	---	---
5	613.940	26.21	-19.79	46.00	31.95	18.98	3.75	28.47	Peak	---	---
6	796.300	31.84	-14.16	46.00	35.58	19.94	4.40	28.08	Peak	---	---

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

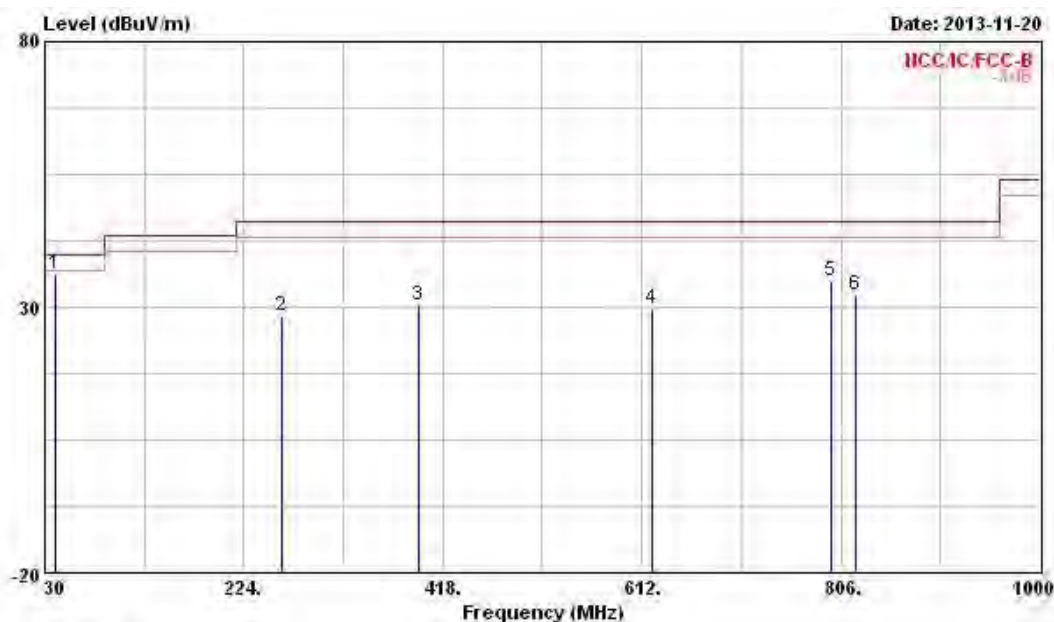
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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

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

## Radiated Emissions (Below 1GHz)

Operating Mode	3	Polarization	V
Operating Function	Model Name EW-7811DAC (WiFi link)		



	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	39.700	36.39	-3.61	40.00	50.08	13.10	0.87	27.66	Peak	---	---
2	260.860	28.35	-17.65	46.00	39.58	13.61	2.42	27.26	Peak	---	---
3	393.750	30.19	-15.81	46.00	39.51	15.57	2.96	27.85	Peak	---	---
4	622.670	29.71	-16.29	46.00	35.28	19.09	3.79	28.45	Peak	---	---
5	797.270	35.07	-10.93	46.00	38.82	19.93	4.40	28.08	Peak	---	---
6	820.550	32.18	-13.82	46.00	35.63	20.10	4.46	28.01	Peak	---	---

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

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

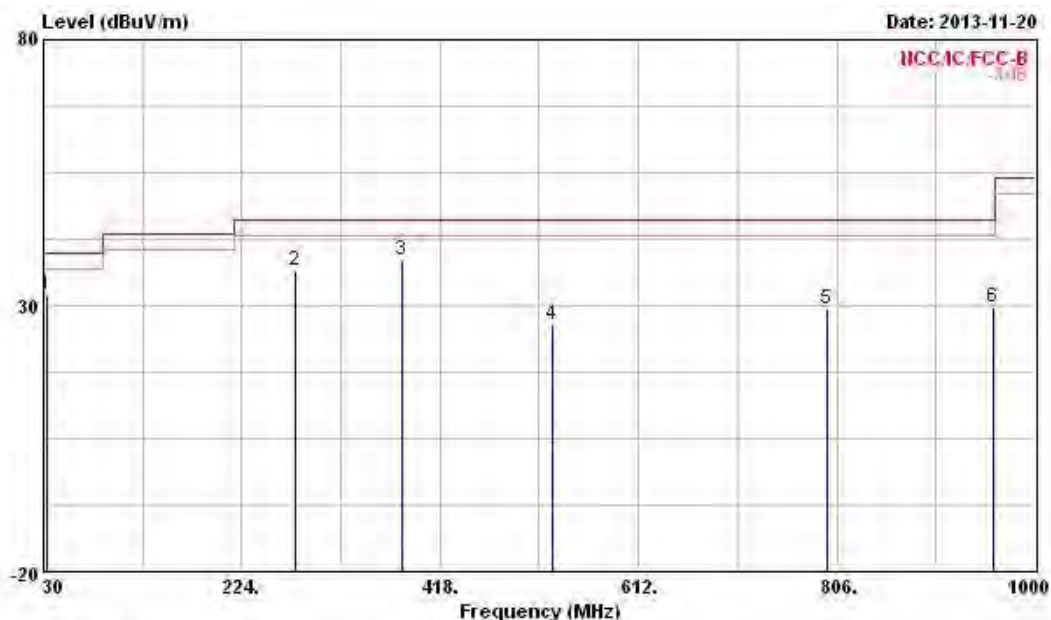
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical).

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



**Radiated Emissions (Below 1GHz)**

<b>Operating Mode</b>	3	<b>Polarization</b>	H
<b>Operating Function</b>	Model Name EW-7811DAC (WiFi 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	32.910	32.06	-7.94	40.00	41.91	17.11	0.79	27.75 Peak	---	---
2	276.380	36.67	-9.33	46.00	48.49	12.93	2.47	27.22 Peak	---	---
3	381.140	38.50	-7.50	46.00	48.22	15.12	2.92	27.76 Peak	---	---
4	528.580	26.22	-19.78	46.00	33.49	17.70	3.49	28.46 Peak	---	---
5	796.300	29.46	-16.54	46.00	33.20	19.94	4.40	28.08 Peak	---	---
6	959.260	29.56	-16.44	46.00	31.43	20.97	4.85	27.69 Peak	---	---

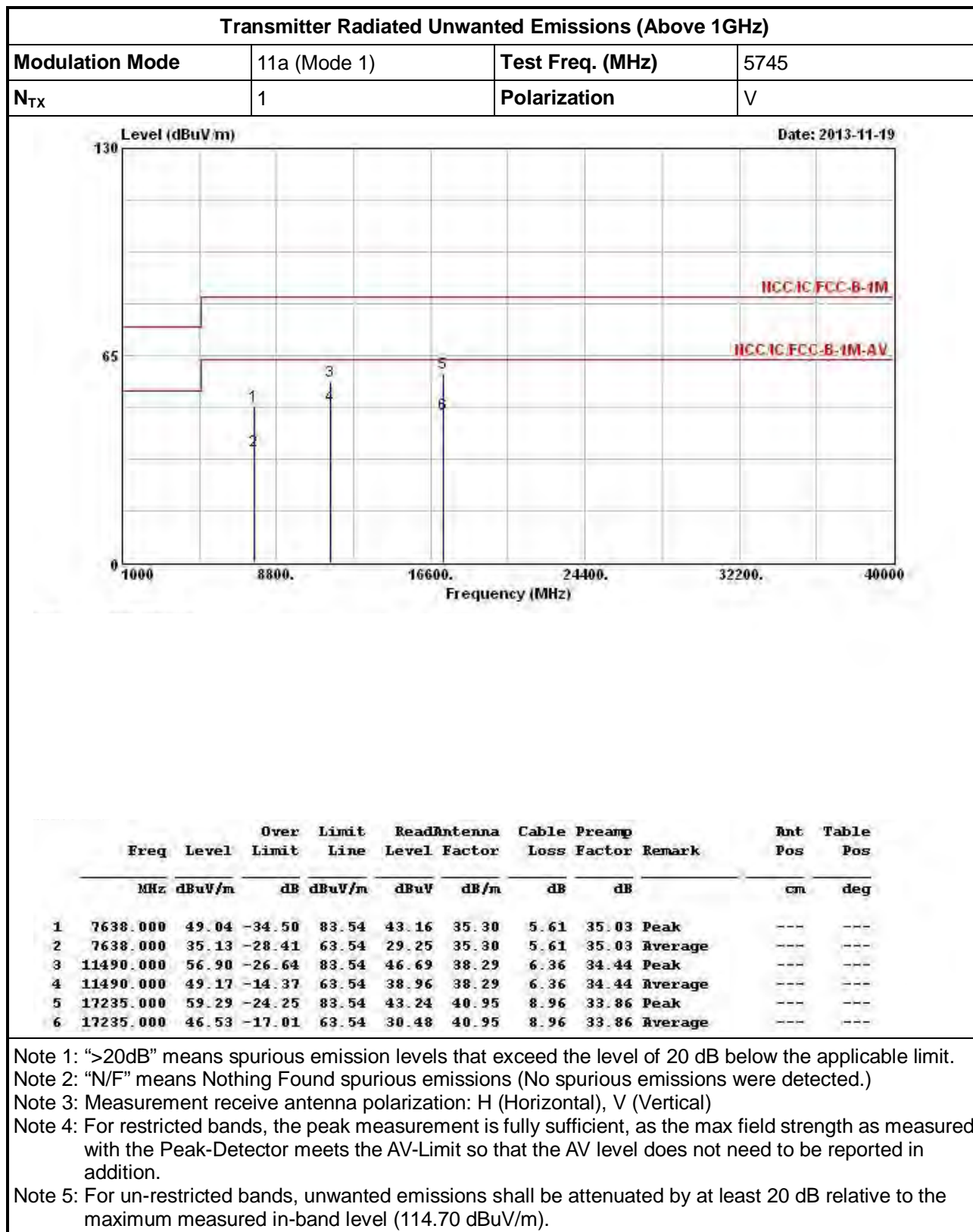
Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

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

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

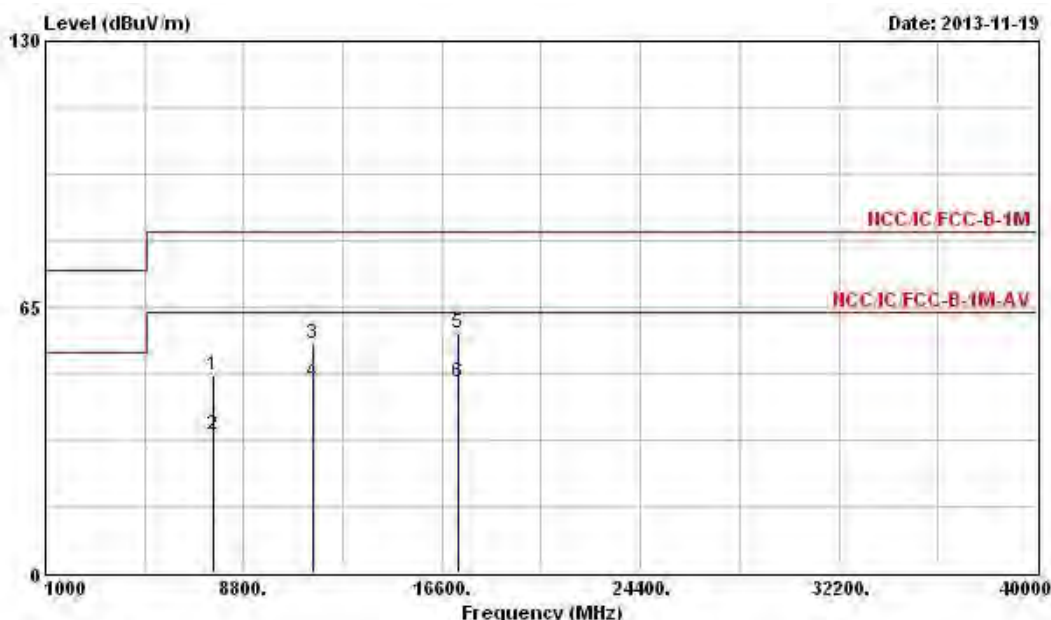
Note 4: No level of unwanted emissions exceeds the level of the fundamental emission.

## 3.6.7 Transmitter Radiated Unwanted Emissions (Above 1GHz) for 11a



## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a (Mode 1)	Test Freq. (MHz)	5745
N <sub>TX</sub>	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	7605.000	48.47	-35.07	83.54	42.55	35.30	5.64	35.02	Peak	---	---
2	7605.000	33.94	-29.60	63.54	28.02	35.30	5.64	35.02	Average	---	---
3	11490.000	55.85	-27.69	83.54	45.64	38.29	6.36	34.44	Peak	---	---
4	11490.000	46.69	-16.85	63.54	36.48	38.29	6.36	34.44	Average	---	---
5	17235.000	58.65	-24.89	83.54	42.60	40.95	8.96	33.86	Peak	---	---
6	17235.000	46.66	-16.88	63.54	30.61	40.95	8.96	33.86	Average	---	---

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

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

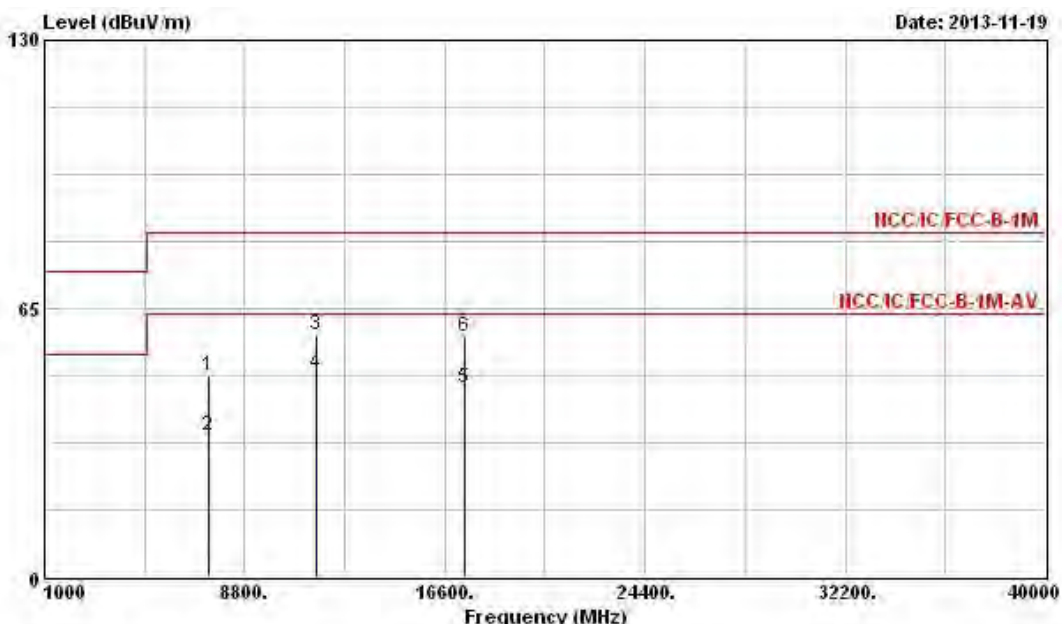
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (114.70 dBuV/m).

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a (Mode 1)	Test Freq. (MHz)	5785
N <sub>TX</sub>	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	7385.000	48.61	-34.93	83.54	42.71	35.30	5.57	34.97	Peak	---	---
2	7385.000	34.37	-29.17	63.54	28.47	35.30	5.57	34.97	Average	---	---
3	11570.000	58.48	-25.06	83.54	48.21	38.36	6.44	34.53	Peak	---	---
4	11570.000	49.03	-14.51	63.54	38.76	38.36	6.44	34.53	Average	---	---
5	17355.000	45.90	-17.64	63.54	29.80	40.97	8.94	33.81	Average	---	---
6	17355.000	58.33	-25.21	83.54	42.23	40.97	8.94	33.81	Peak	---	---

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

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

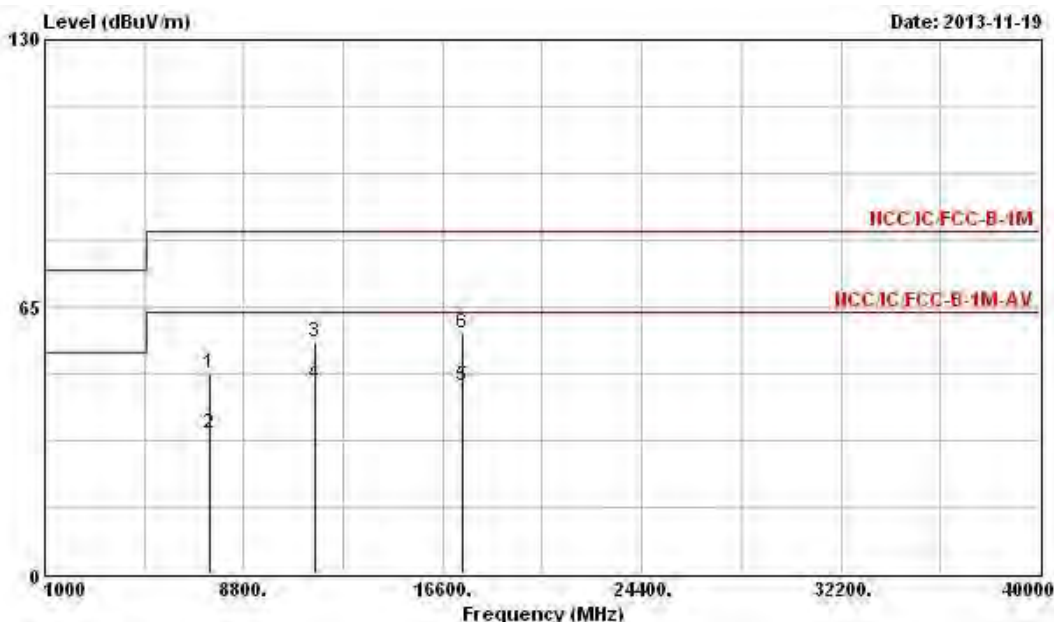
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (117.89 dBuV/m).

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a (Mode 1)	Test Freq. (MHz)	5785
N <sub>TX</sub>	1	Polarization	H



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Loss	Preamplifier	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	7473.000	48.85	-34.69	83.54	42.88	35.30	5.66	34.99 Peak	---	---
2	7473.000	34.35	-29.19	63.54	28.38	35.30	5.66	34.99 Average	---	---
3	11570.000	56.47	-27.07	83.54	46.20	38.36	6.44	34.53 Peak	---	---
4	11570.000	46.31	-17.23	63.54	36.04	38.36	6.44	34.53 Average	---	---
5	17355.000	45.85	-17.69	63.54	29.75	40.97	8.94	33.81 Average	---	---
6	17355.000	58.40	-25.14	83.54	42.30	40.97	8.94	33.81 Peak	---	---

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

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

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

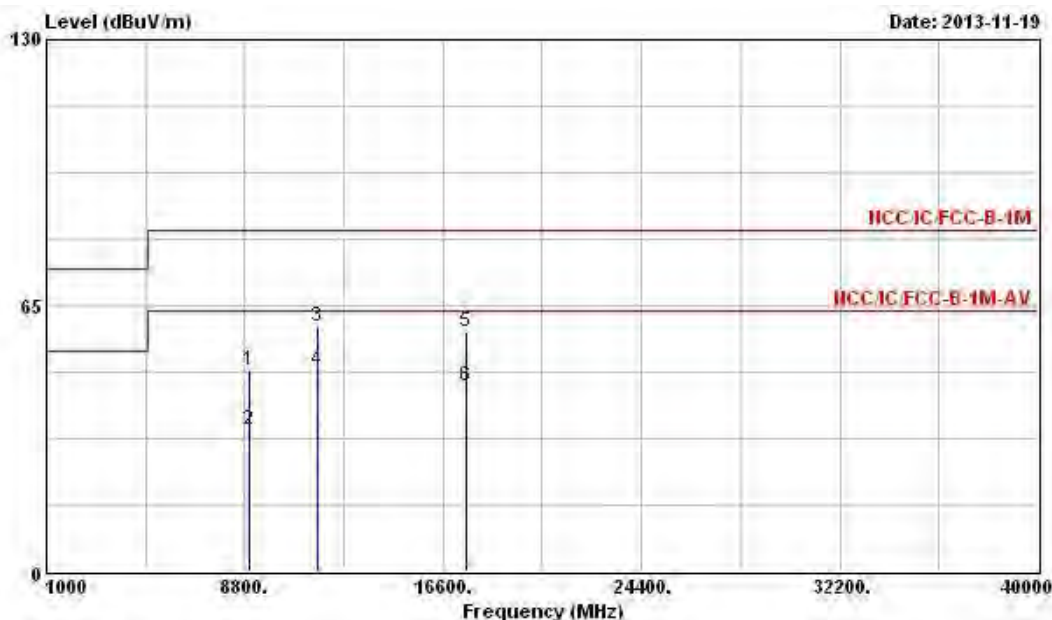
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (117.89 dBuV/m).



## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a (Mode 1)	Test Freq. (MHz)	5825
N <sub>TX</sub>	1	Polarization	V



	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	8969.000	48.97	-34.57	83.54	42.34	35.88	5.94	35.19 Peak	---	---
2	8969.000	34.48	-29.06	63.54	27.85	35.88	5.94	35.19 Average	---	---
3	11650.000	59.96	-23.58	83.54	49.61	38.41	6.52	34.58 Peak	---	---
4	11650.000	49.06	-14.48	63.54	38.71	38.41	6.52	34.58 Average	---	---
5	17475.000	58.75	-24.79	83.54	42.59	40.99	8.92	33.75 Peak	---	---
6	17475.000	45.54	-18.00	63.54	29.38	40.99	8.92	33.75 Average	---	---

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

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

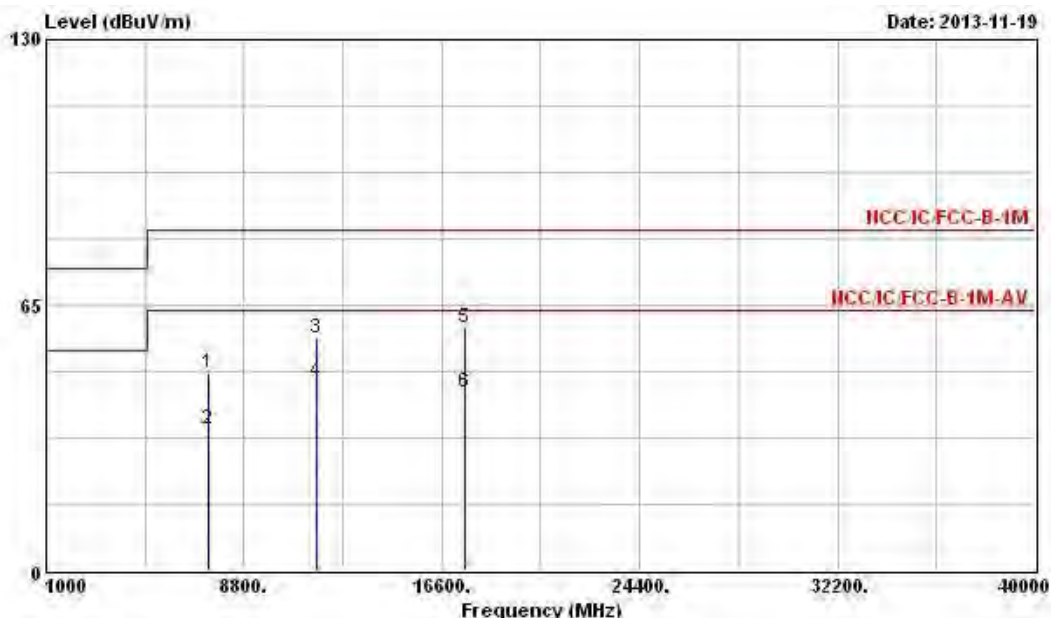
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (117.08 dBuV/m).

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a (Mode 1)	Test Freq. (MHz)	5825
N <sub>TX</sub>	1	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	7418.000	48.11	-35.43	83.54	42.18	35.30	5.61	34.98	Peak	---
2	7418.000	34.54	-29.00	63.54	28.61	35.30	5.61	34.98	Average	---
3	11650.000	56.69	-26.85	83.54	46.34	38.41	6.52	34.58	Peak	---
4	11650.000	46.35	-17.19	63.54	36.00	38.41	6.52	34.58	Average	---
5	17475.000	59.64	-23.90	83.54	43.48	40.99	8.92	33.75	Peak	---
6	17475.000	43.65	-19.89	63.54	27.49	40.99	8.92	33.75	Average	---

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

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

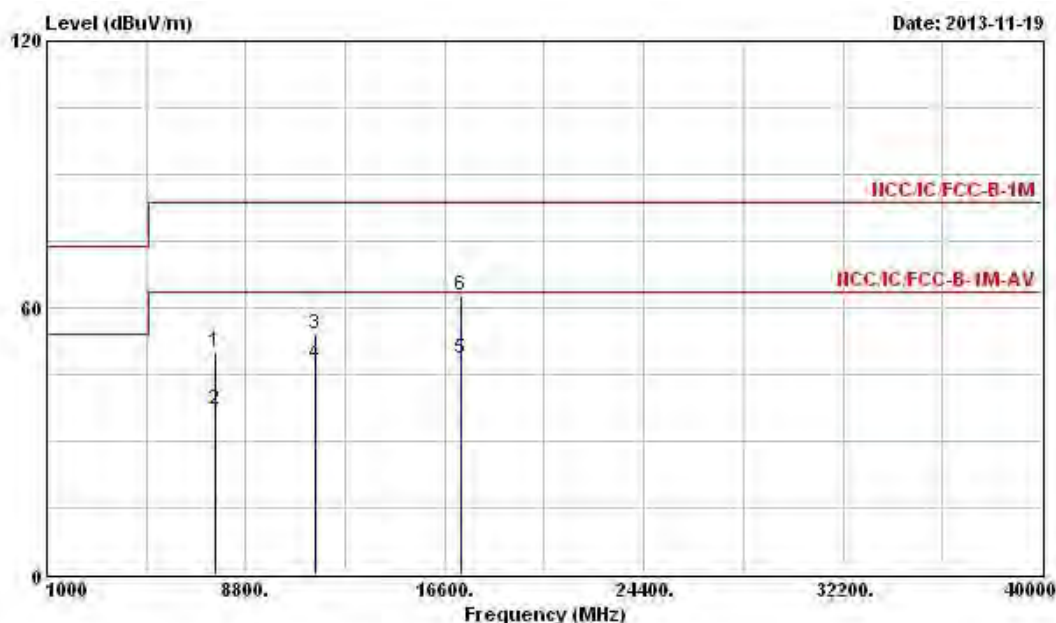
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (117.08 dBuV/m).

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a (Mode 2)	Test Freq. (MHz)	5745
N <sub>TX</sub>	1	Polarization	V



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamplifier Loss	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	7620.000	50.14	-33.40	83.54	44.26	35.30	5.61	35.03 Peak	---	---
2	7620.000	37.02	-26.52	63.54	31.14	35.30	5.61	35.03 Average	---	---
3	11490.000	54.21	-29.33	83.54	44.00	38.29	6.36	34.44 Peak	---	---
4	11490.000	47.41	-16.13	63.54	37.20	38.29	6.36	34.44 Average	---	---
5	17235.000	48.61	-14.93	63.54	32.56	40.95	8.96	33.86 Average	---	---
6	17235.000	62.78	-20.76	83.54	46.73	40.95	8.96	33.86 Peak	---	---

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

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

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

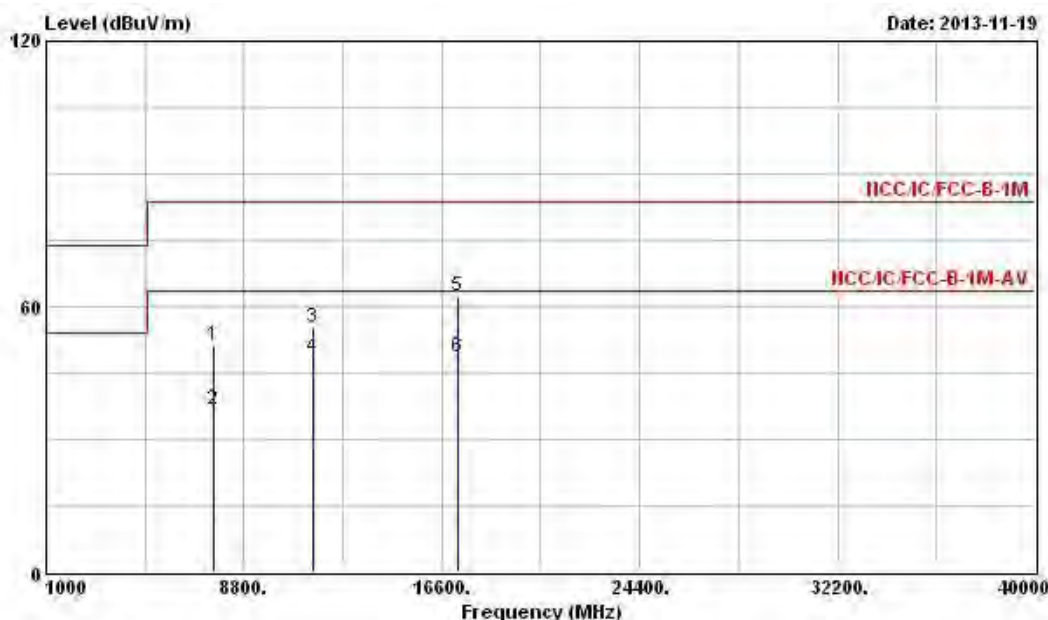
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (111.46 dBuV/m).



## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a (Mode 2)	Test Freq. (MHz)	5745
N <sub>TX</sub>	1	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	7608.000	51.29	-32.25	83.54	45.37	35.30	5.64	35.02	Peak	---
2	7608.000	36.86	-26.68	63.54	30.94	35.30	5.64	35.02	Average	---
3	11490.000	55.12	-28.42	83.54	44.91	38.29	6.36	34.44	Peak	---
4	11490.000	48.71	-14.83	63.54	38.50	38.29	6.36	34.44	Average	---
5	17235.000	62.29	-21.25	83.54	46.24	40.95	8.96	33.86	Peak	---
6	17235.000	48.61	-14.93	63.54	32.56	40.95	8.96	33.86	Average	---

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

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

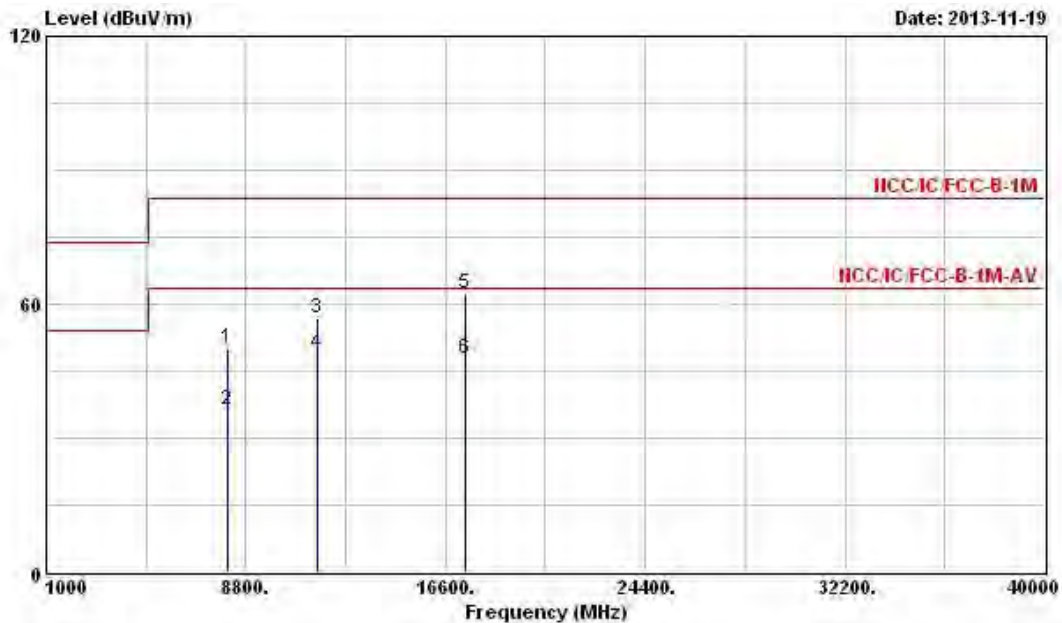
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (111.46 dBuV/m).

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a (Mode 2)	Test Freq. (MHz)	5785
N <sub>TX</sub>	1	Polarization	V

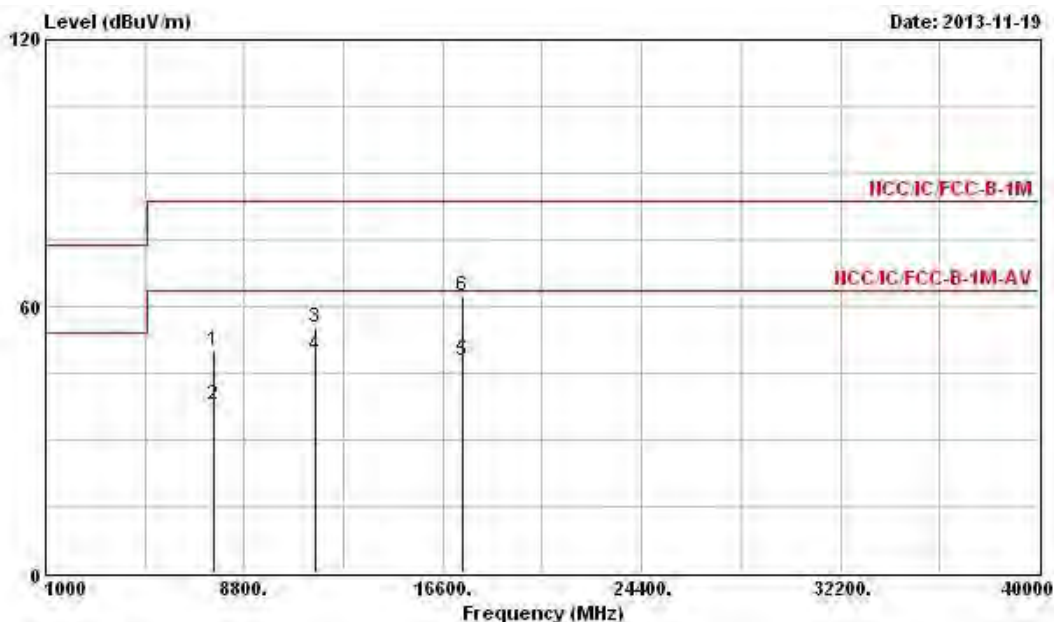


	Freq	Level	Over Limit	Limit Line	Read Antenna Level	Antenna Factor	Cable Loss	Preamplifier	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8052.000	50.28	-33.26	83.54	44.77	35.33	5.33	35.15	Peak	---	---
2	8052.000	36.45	-27.09	63.54	30.94	35.33	5.33	35.15	Average	---	---
3	11570.000	56.79	-26.75	83.54	46.52	38.36	6.44	34.53	Peak	---	---
4	11570.000	48.76	-14.78	63.54	38.49	38.36	6.44	34.53	Average	---	---
5	17355.000	62.53	-21.01	83.54	46.43	40.97	8.94	33.81	Peak	---	---
6	17355.000	47.95	-15.59	63.54	31.85	40.97	8.94	33.81	Average	---	---

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.  
 Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)  
 Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)  
 Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.  
 Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (111.03 dBuV/m).

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a (Mode 2)	Test Freq. (MHz)	5785
N <sub>TX</sub>	1	Polarization	H



	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	7608.000	50.30	-33.24	83.54	44.38	35.30	5.64	35.02	Peak	---	---
2	7608.000	37.88	-25.66	63.54	31.96	35.30	5.64	35.02	Average	---	---
3	11570.000	55.08	-28.46	83.54	44.81	38.36	6.44	34.53	Peak	---	---
4	11570.000	49.04	-14.50	63.54	38.77	38.36	6.44	34.53	Average	---	---
5	17355.000	47.88	-15.66	63.54	31.78	40.97	8.94	33.81	Average	---	---
6	17355.000	62.49	-21.05	83.54	46.39	40.97	8.94	33.81	Peak	---	---

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

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

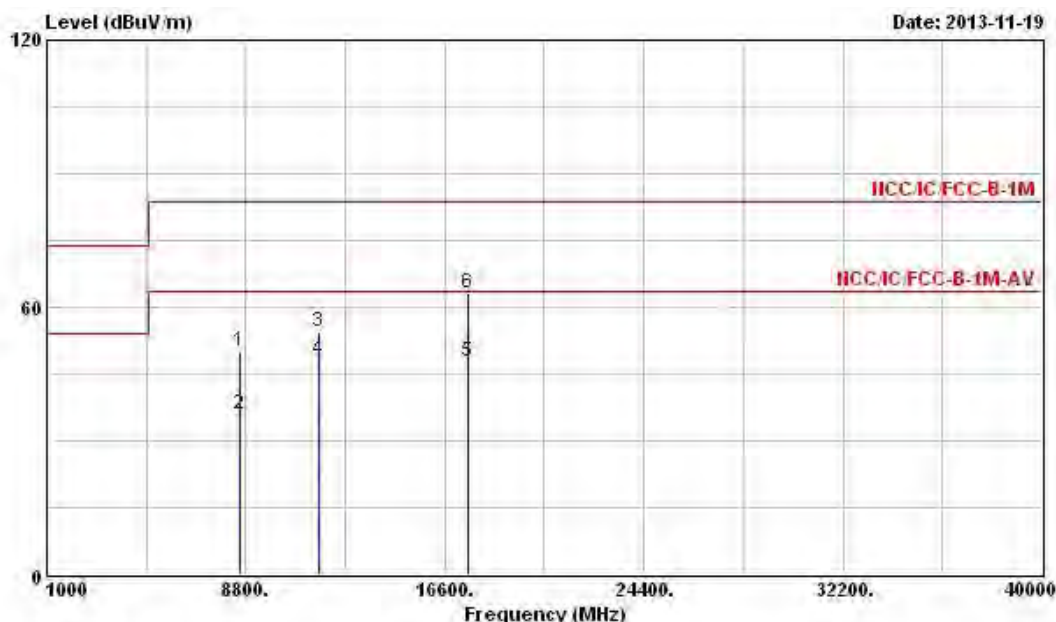
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (111.03 dBuV/m).

### Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a (Mode 2)	Test Freq. (MHz)	5825
N <sub>TX</sub>	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	8532.000	50.20	-33.34	83.54	44.18	35.62	5.50	35.10	Peak	---	---
2	8532.000	36.09	-27.45	63.54	30.07	35.62	5.50	35.10	Average	---	---
3	11650.000	54.28	-29.26	83.54	43.93	38.41	6.52	34.58	Peak	---	---
4	11650.000	48.09	-15.45	63.54	37.74	38.41	6.52	34.58	Average	---	---
5	17475.000	47.73	-15.81	63.54	31.57	40.99	8.92	33.75	Average	---	---
6	17475.000	63.05	-20.49	83.54	46.89	40.99	8.92	33.75	Peak	---	---

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

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

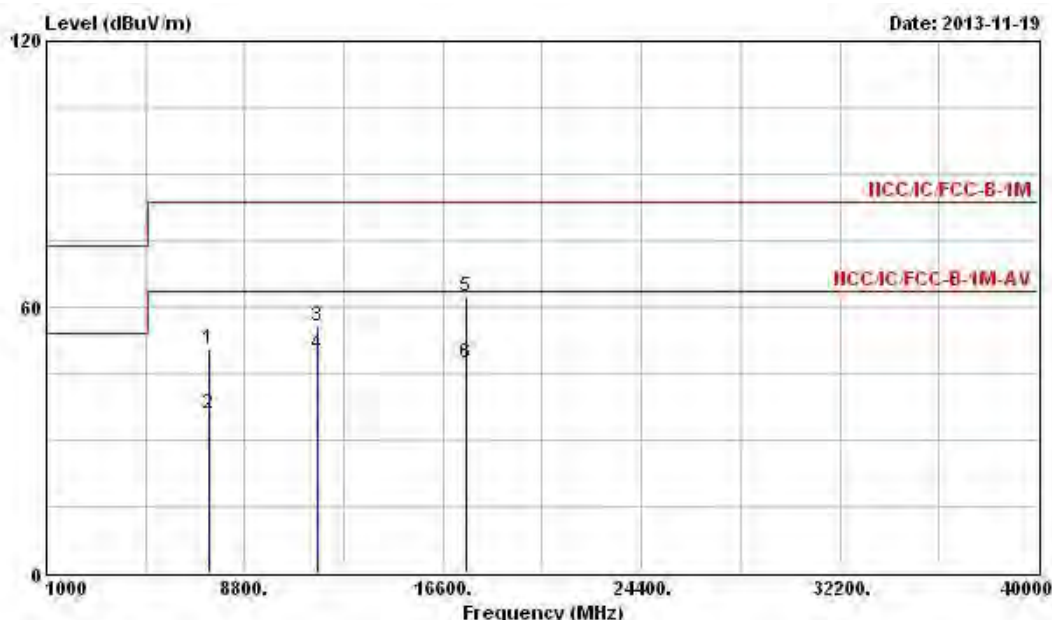
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (111.13 dBuV/m).

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a (Mode 2)	Test Freq. (MHz)	5825
N <sub>TX</sub>	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	7380.000	50.38	-33.16	83.54	44.48	35.30	5.57	34.97	Peak	---	---
2	7380.000	35.94	-27.60	63.54	30.04	35.30	5.57	34.97	Average	---	---
3	11650.000	55.51	-28.03	83.54	45.16	38.41	6.52	34.58	Peak	---	---
4	11650.000	49.33	-14.21	63.54	38.98	38.41	6.52	34.58	Average	---	---
5	17475.000	62.48	-21.06	83.54	46.32	40.99	8.92	33.75	Peak	---	---
6	17475.000	47.54	-16.00	63.54	31.38	40.99	8.92	33.75	Average	---	---

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

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

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

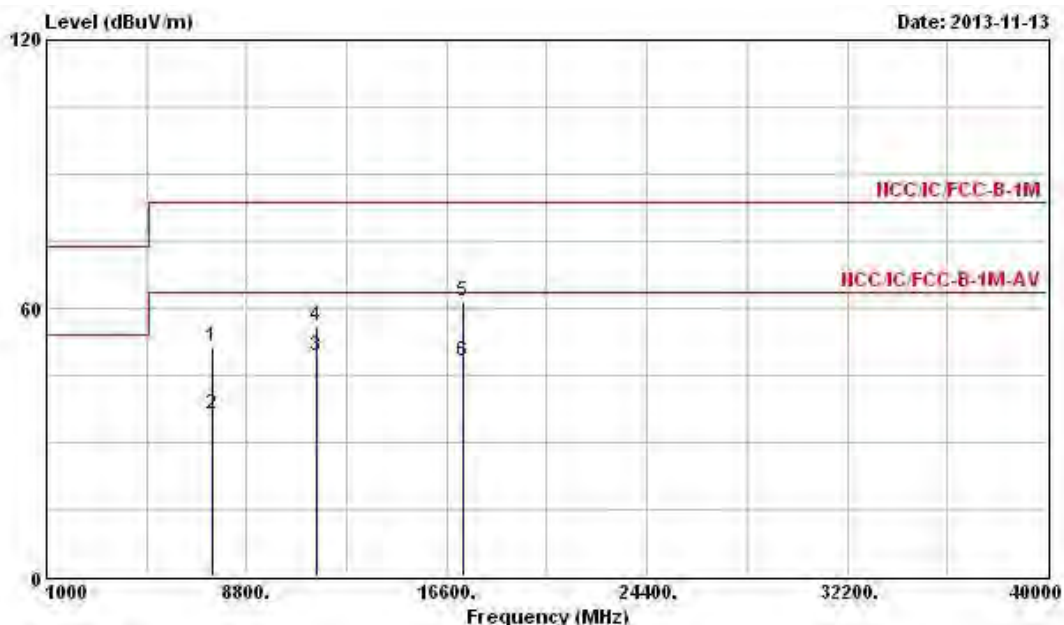
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (111.13 dBuV/m).



## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a (Mode 3)	Test Freq. (MHz)	5745
N <sub>TX</sub>	1	Polarization	V



	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	7464.000	51.18	-32.36	83.54	45.20	35.30	5.66	34.98 Peak	---	---
2	7464.000	36.47	-27.07	63.54	30.49	35.30	5.66	34.98 Average	---	---
3	11490.000	49.30	-14.24	63.54	39.09	38.29	6.36	34.44 Average	---	---
4	11490.000	55.88	-27.66	83.54	45.67	38.29	6.36	34.44 Peak	---	---
5	17235.000	61.77	-21.77	83.54	45.72	40.95	8.96	33.86 Peak	---	---
6	17235.000	48.18	-15.36	63.54	32.13	40.95	8.96	33.86 Average	---	---

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

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

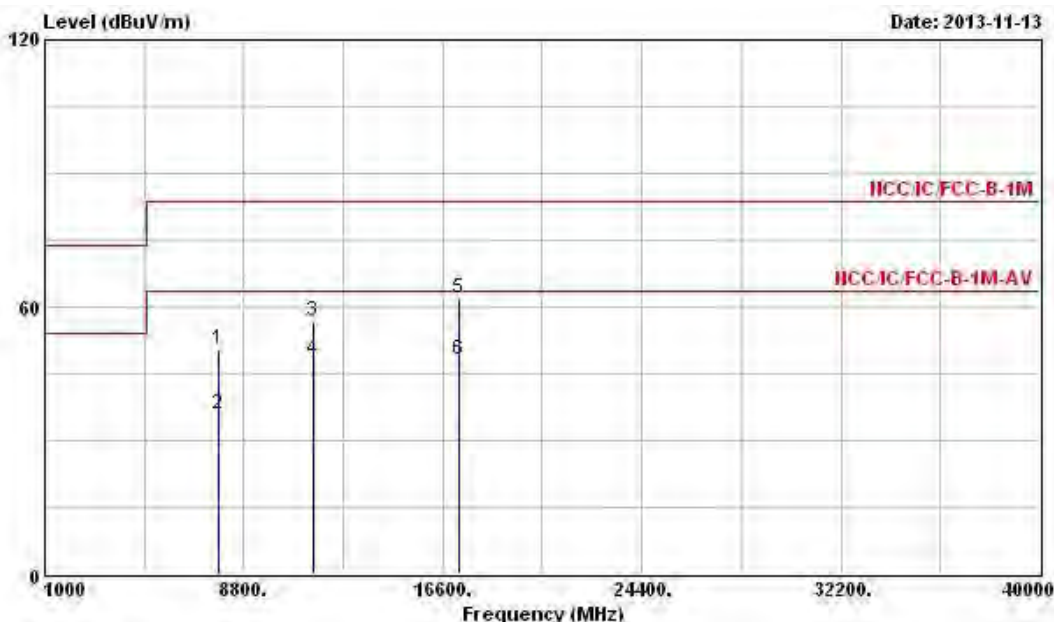
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (108.08 dBuV/m).

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a (Mode 3)	Test Freq. (MHz)	5745
N <sub>TX</sub>	1	Polarization	H



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Loss	Preamplifier	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	7812.000	50.36	-33.18	83.54	44.71	35.30	5.44	35.09	Peak	---
2	7812.000	35.99	-27.55	63.54	30.34	35.30	5.44	35.09	Average	---
3	11490.000	56.84	-26.70	83.54	46.63	38.29	6.36	34.44	Peak	---
4	11490.000	48.17	-15.37	63.54	37.96	38.29	6.36	34.44	Average	---
5	17235.000	62.11	-21.43	83.54	46.06	40.95	8.96	33.86	Peak	---
6	17235.000	48.24	-15.30	63.54	32.19	40.95	8.96	33.86	Average	---

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

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

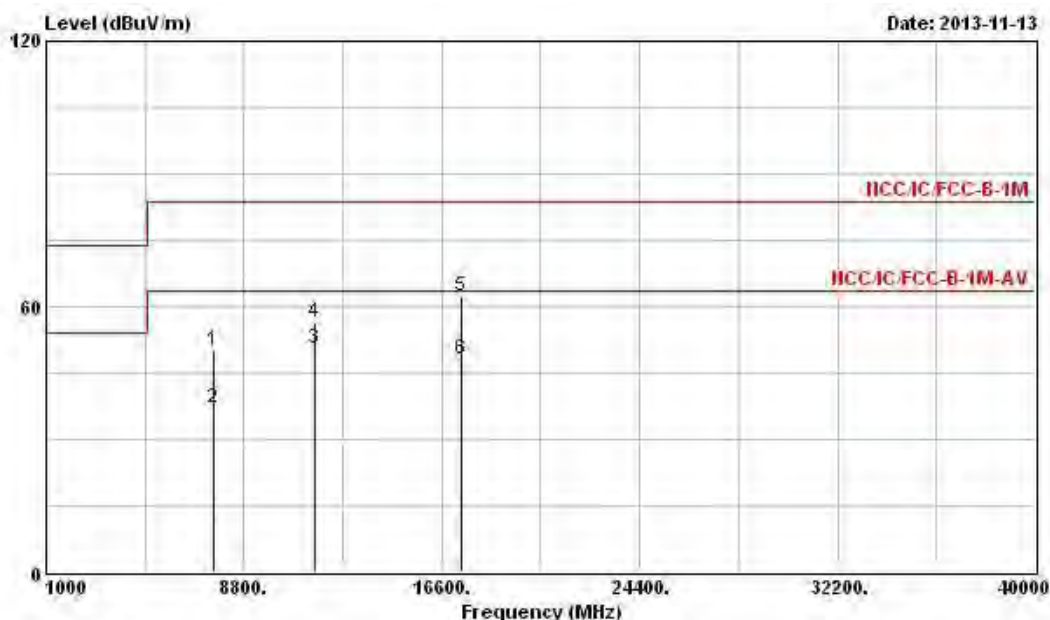
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (108.08 dBuV/m).

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a (Mode 3)	Test Freq. (MHz)	5785
N <sub>TX</sub>	1	Polarization	V



	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	7620.000	50.20	-33.34	83.54	44.32	35.30	5.61	35.03	Peak	---
2	7620.000	37.06	-26.48	63.54	31.18	35.30	5.61	35.03	Average	---
3	11570.000	50.55	-12.99	63.54	40.28	38.36	6.44	34.53	Average	---
4	11570.000	56.56	-26.98	83.54	46.29	38.36	6.44	34.53	Peak	---
5	17355.000	62.54	-21.00	83.54	46.44	40.97	8.94	33.81	Peak	---
6	17355.000	48.05	-15.49	63.54	31.95	40.97	8.94	33.81	Average	---

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

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

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

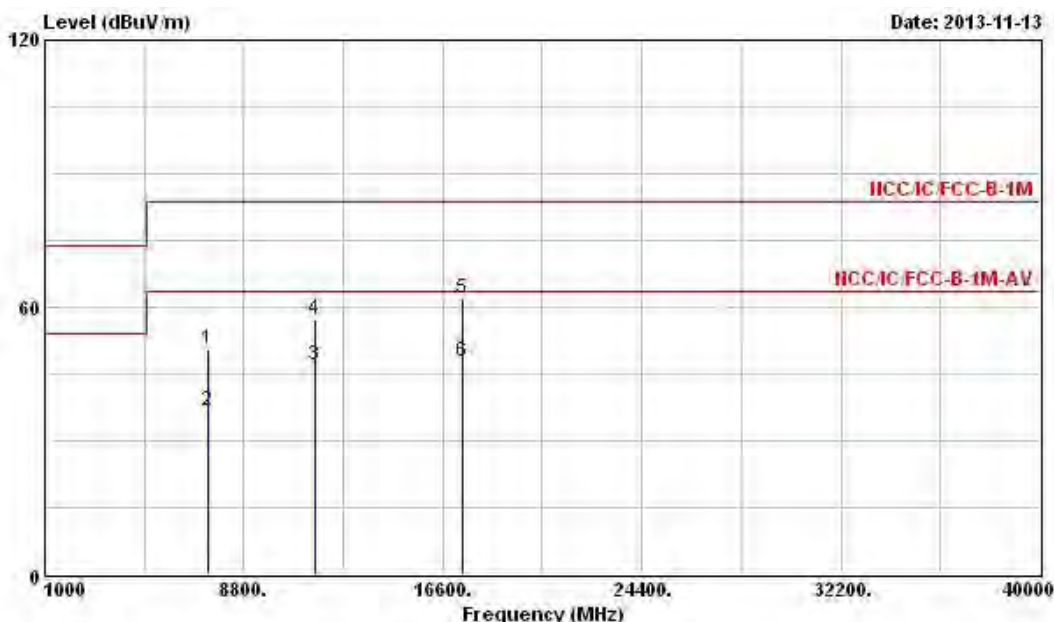
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (108.27 dBuV/m).



## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a (Mode 3)	Test Freq. (MHz)	5785
N <sub>TX</sub>	1	Polarization	H



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	7416.000	50.60	-32.94	83.54	44.67	35.30	5.61	34.98	Peak	---	---
2	7416.000	36.54	-27.00	63.54	30.61	35.30	5.61	34.98	Average	---	---
3	11570.000	47.01	-16.53	63.54	36.74	38.36	6.44	34.53	Average	---	---
4	11570.000	57.27	-26.27	83.54	47.00	38.36	6.44	34.53	Peak	---	---
5	17355.000	61.87	-21.67	83.54	45.77	40.97	8.94	33.81	Peak	---	---
6	17355.000	47.85	-15.69	63.54	31.75	40.97	8.94	33.81	Average	---	---

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

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

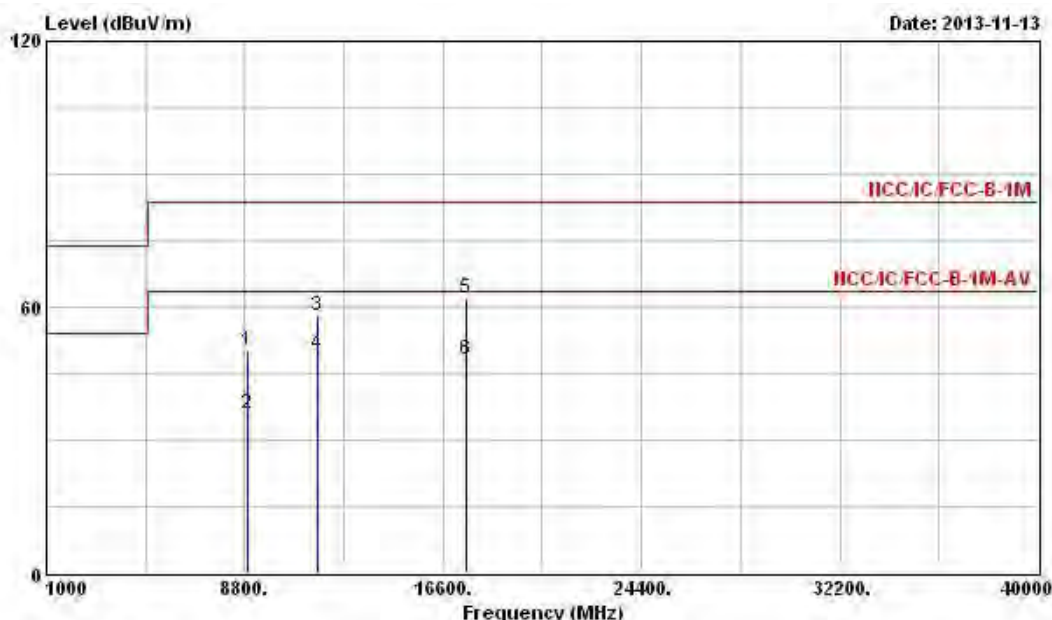
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (108.27 dBuV/m).

### Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a (Mode 3)	Test Freq. (MHz)	5825
N <sub>TX</sub>	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	8904.000	50.18	-33.36	83.54	43.62	35.84	5.90	35.18	Peak	---	---
2	8904.000	35.99	-27.55	63.54	29.43	35.84	5.90	35.18	Average	---	---
3	11650.000	57.84	-25.70	83.54	47.49	38.41	6.52	34.58	Peak	---	---
4	11650.000	49.47	-34.07	83.54	39.12	38.41	6.52	34.58	Peak	---	---
5	17475.000	61.99	-21.55	83.54	45.83	40.99	8.92	33.75	Peak	---	---
6	17475.000	48.16	-15.38	63.54	32.00	40.99	8.92	33.75	Average	---	---

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

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

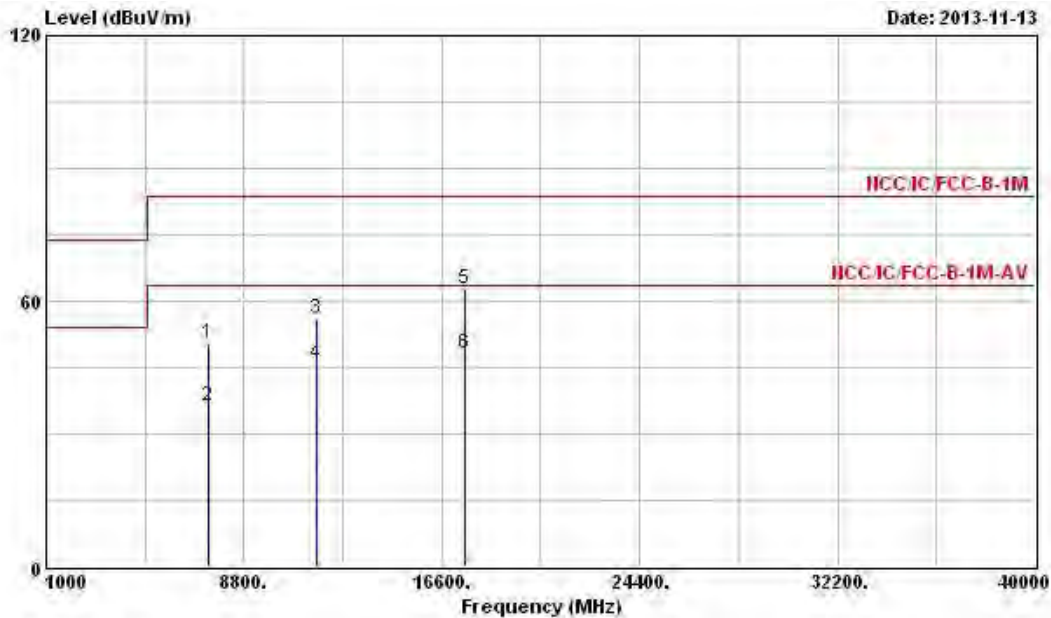
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (108.71 dBuV/m).

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

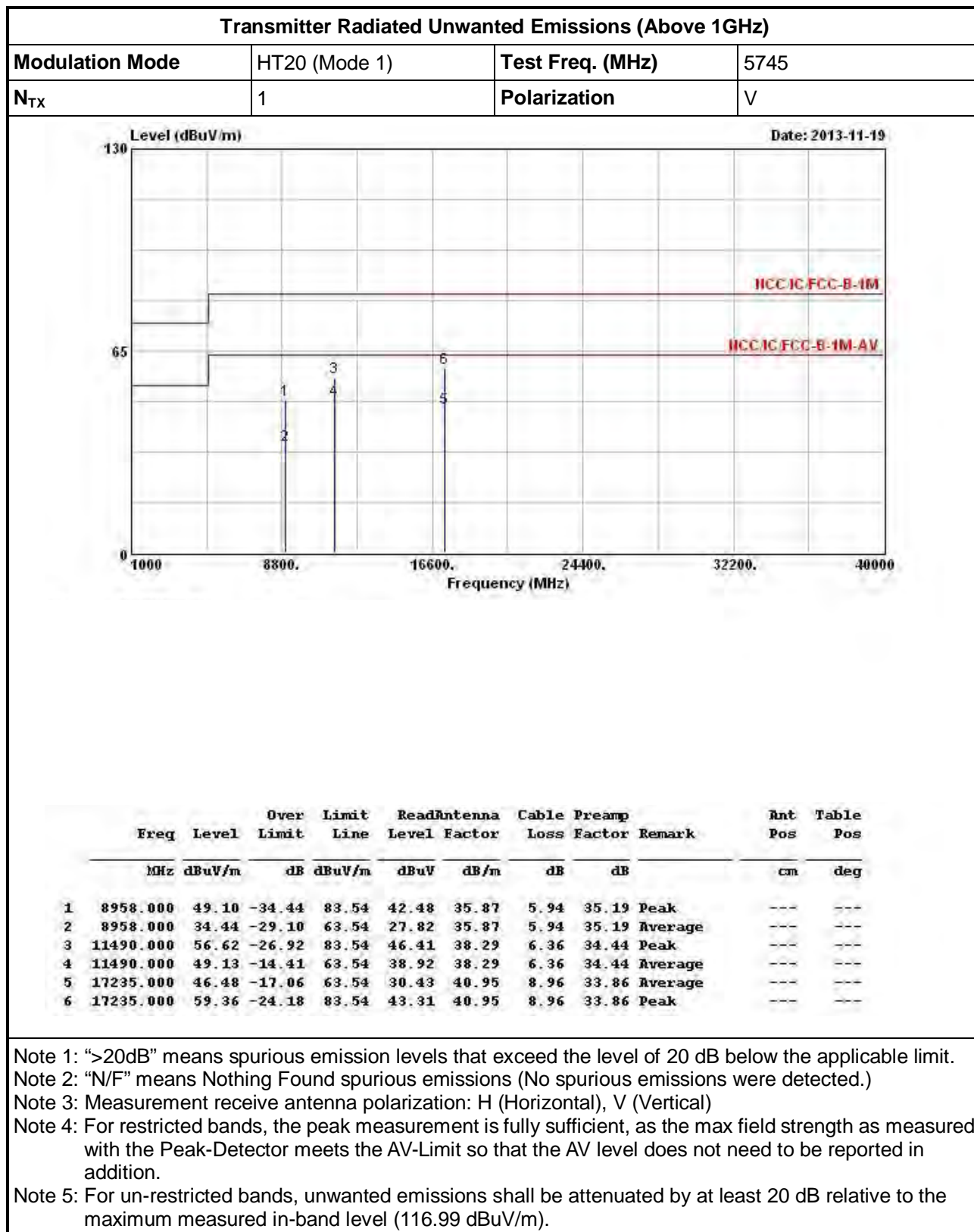
Modulation Mode	11a (Mode 3)	Test Freq. (MHz)	5825
N <sub>TX</sub>	1	Polarization	H



	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	7380.000	50.43	-33.11	83.54	44.53	35.30	5.57	34.97	Peak	---
2	7380.000	36.49	-27.05	63.54	30.59	35.30	5.57	34.97	Average	---
3	11650.000	56.11	-27.43	83.54	45.76	38.41	6.52	34.58	Peak	---
4	11650.000	45.73	-17.81	63.54	35.38	38.41	6.52	34.58	Average	---
5	17475.000	62.80	-20.74	83.54	46.64	40.99	8.92	33.75	Peak	---
6	17475.000	48.19	-15.35	63.54	32.03	40.99	8.92	33.75	Average	---

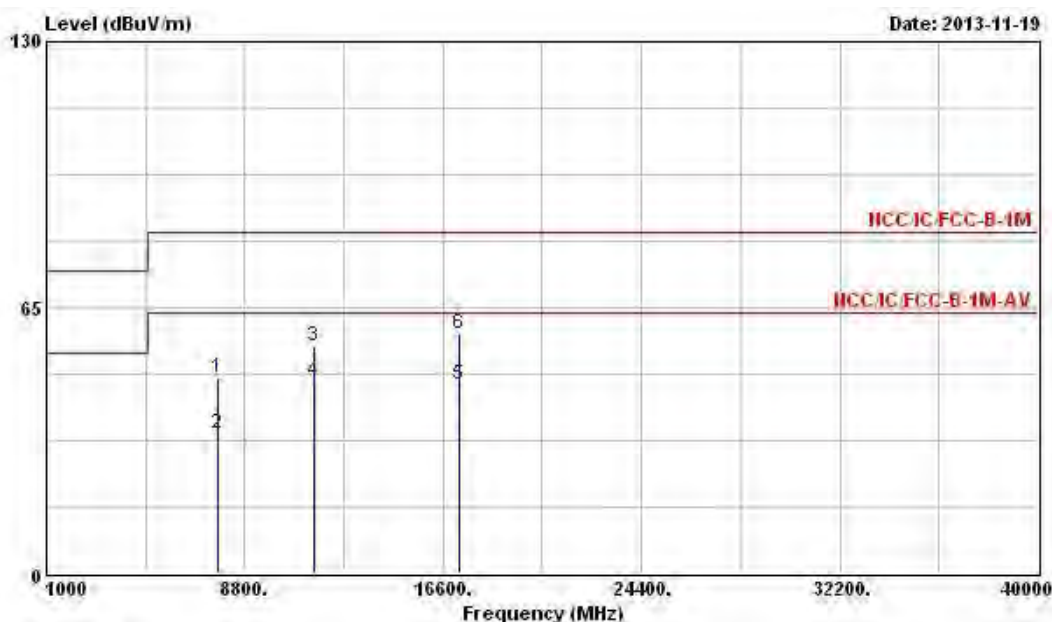
Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.  
 Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)  
 Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)  
 Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.  
 Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (108.71 dBuV/m).

## 3.6.8 Transmitter Radiated Unwanted Emissions (Above 1GHz) for HT20



## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20 (Mode 1)	Test Freq. (MHz)	5745
N <sub>TX</sub>	1	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	7770.000	47.92	-35.62	83.54	42.22	35.30	5.48	35.08 Peak	---	---
2	7770.000	34.31	-29.23	63.54	28.61	35.30	5.48	35.08 Average	---	---
3	11490.000	55.63	-27.91	83.54	45.42	38.29	6.36	34.44 Peak	---	---
4	11490.000	46.95	-16.59	63.54	36.74	38.29	6.36	34.44 Average	---	---
5	17235.000	46.38	-17.16	63.54	30.33	40.95	8.96	33.86 Average	---	---
6	17235.000	58.48	-25.06	83.54	42.43	40.95	8.96	33.86 Peak	---	---

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

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

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

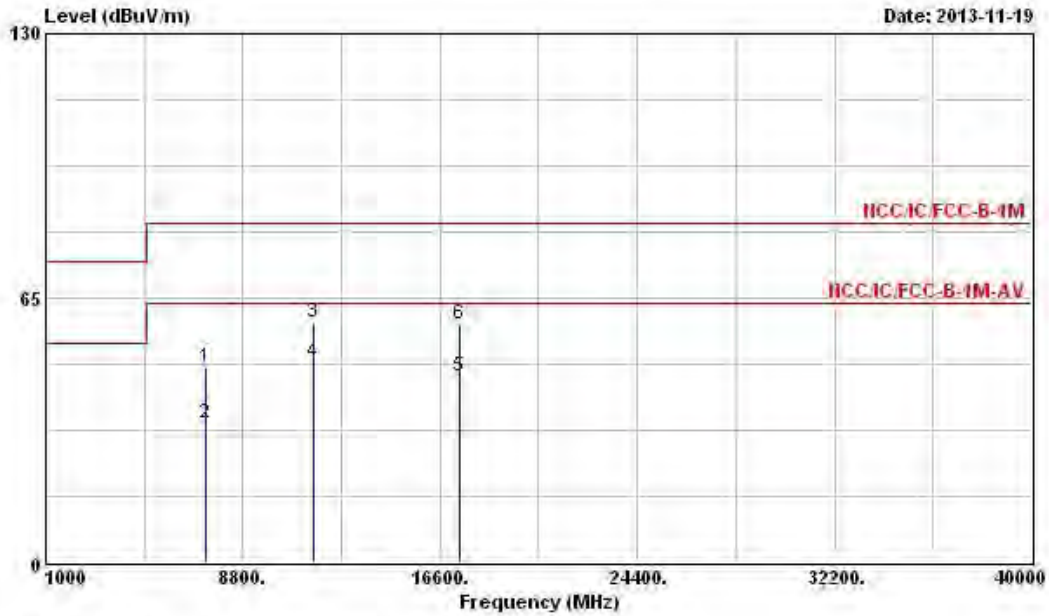
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (116.99 dBuV/m).



## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20 (Mode 1)	Test Freq. (MHz)	5785
N <sub>TX</sub>	1	Polarization	V



	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	7341.000	47.73	-35.81	83.54	41.87	35.30	5.52	34.96	Peak	---
2	7341.000	34.08	-29.46	63.54	28.22	35.30	5.52	34.96	Average	---
3	11570.000	58.82	-24.72	83.54	48.55	38.36	6.44	34.53	Peak	---
4	11570.000	48.98	-14.56	63.54	38.71	38.36	6.44	34.53	Average	---
5	17355.000	45.95	-17.59	63.54	29.85	40.97	8.94	33.81	Average	---
6	17355.000	58.43	-25.11	83.54	42.33	40.97	8.94	33.81	Peak	---

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

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

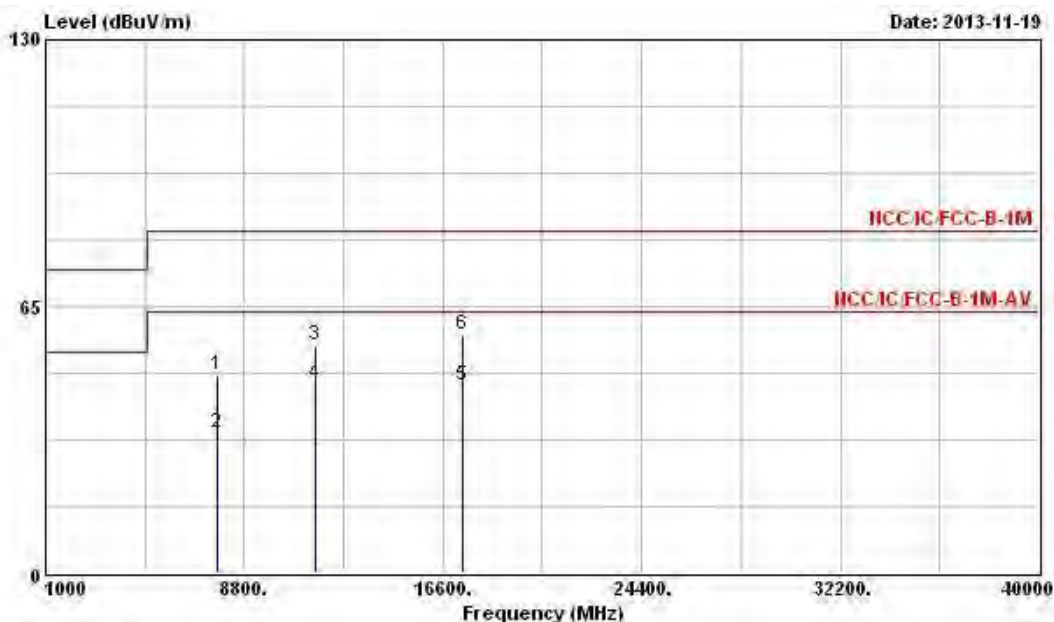
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (117.68 dBuV/m).

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20 (Mode 1)	Test Freq. (MHz)	5785
N <sub>TX</sub>	1	Polarization	H



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	7770.000	48.27	-35.27	83.54	42.57	35.30	5.48	35.08 Peak	---	---
2	7770.000	34.30	-29.24	63.54	28.60	35.30	5.48	35.08 Average	---	---
3	11570.000	55.55	-27.99	83.54	45.28	38.36	6.44	34.53 Peak	---	---
4	11570.000	46.35	-17.19	63.54	36.08	38.36	6.44	34.53 Average	---	---
5	17355.000	45.76	-17.78	63.54	29.66	40.97	8.94	33.81 Average	---	---
6	17355.000	58.17	-25.37	83.54	42.07	40.97	8.94	33.81 Peak	---	---

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

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

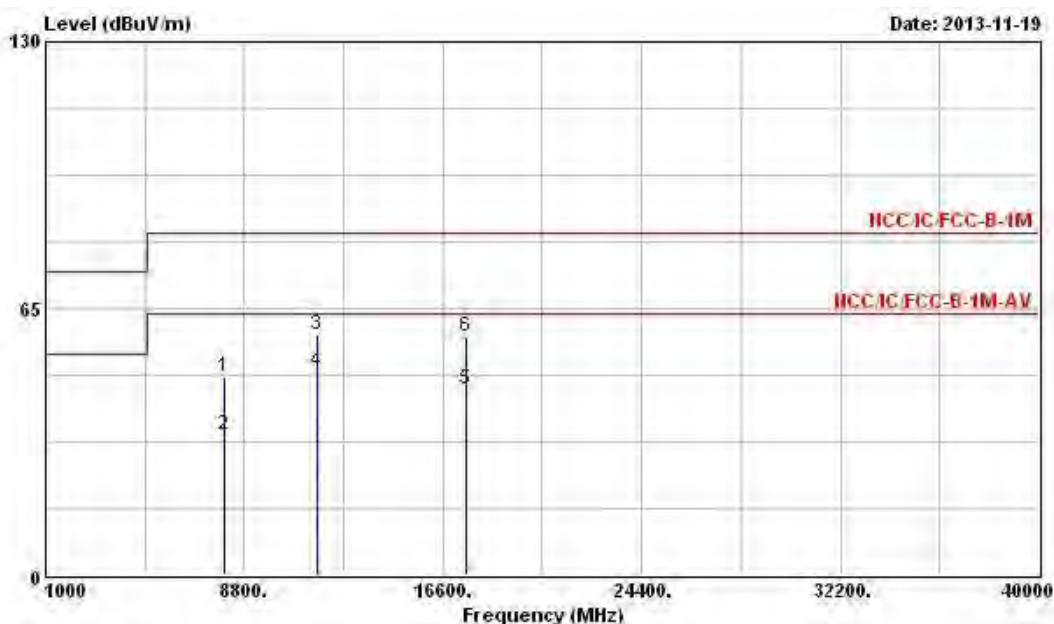
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (117.68 dBuV/m).

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20 (Mode 1)	Test Freq. (MHz)	5825
N <sub>TX</sub>	1	Polarization	V



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8034.000	48.18	-35.36	83.54	42.70	35.32	5.32	35.16	Peak	---	---
2	8034.000	34.14	-29.40	63.54	28.66	35.32	5.32	35.16	Average	---	---
3	11650.000	58.44	-25.10	83.54	48.09	38.41	6.52	34.58	Peak	---	---
4	11650.000	49.55	-13.99	63.54	39.20	38.41	6.52	34.58	Average	---	---
5	17475.000	45.40	-18.14	63.54	29.24	40.99	8.92	33.75	Average	---	---
6	17475.000	58.28	-25.26	83.54	42.12	40.99	8.92	33.75	Peak	---	---

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

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

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

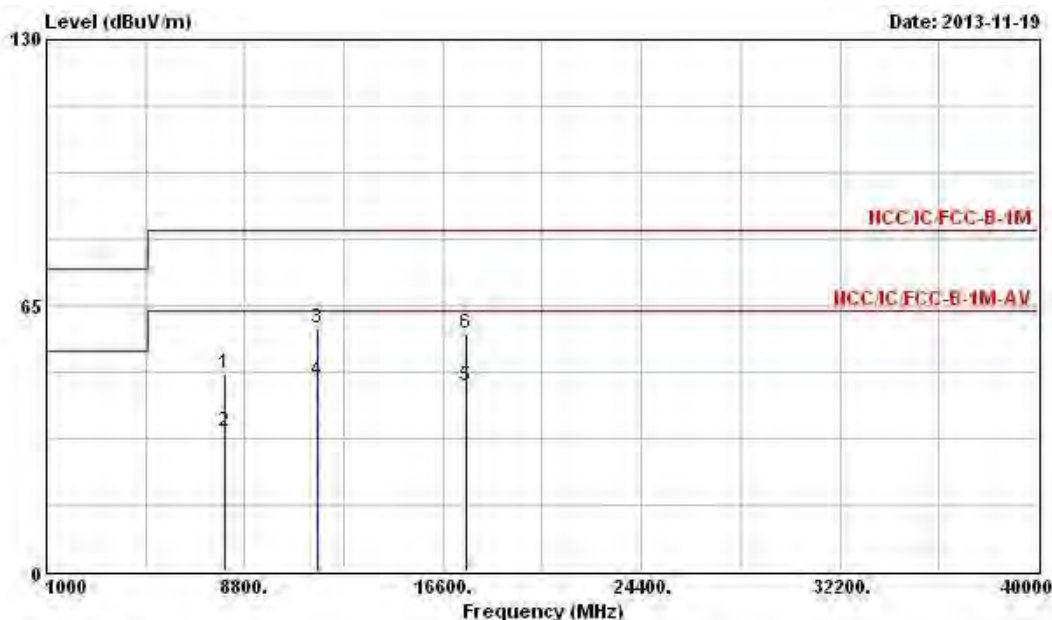
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (110.29 dBuV/m).



## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20 (Mode 1)	Test Freq. (MHz)	5825
N <sub>TX</sub>	1	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	8034.000	48.18	-35.36	83.54	42.70	35.32	5.32	35.16 Peak	---	---
2	8034.000	34.05	-29.49	63.54	28.57	35.32	5.32	35.16 Average	---	---
3	11650.000	59.44	-24.10	83.54	49.09	38.41	6.52	34.58 Peak	---	---
4	11650.000	46.67	-16.87	63.54	36.32	38.41	6.52	34.58 Average	---	---
5	17475.000	45.43	-18.11	63.54	29.27	40.99	8.92	33.75 Average	---	---
6	17475.000	58.28	-25.26	83.54	42.12	40.99	8.92	33.75 Peak	---	---

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

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

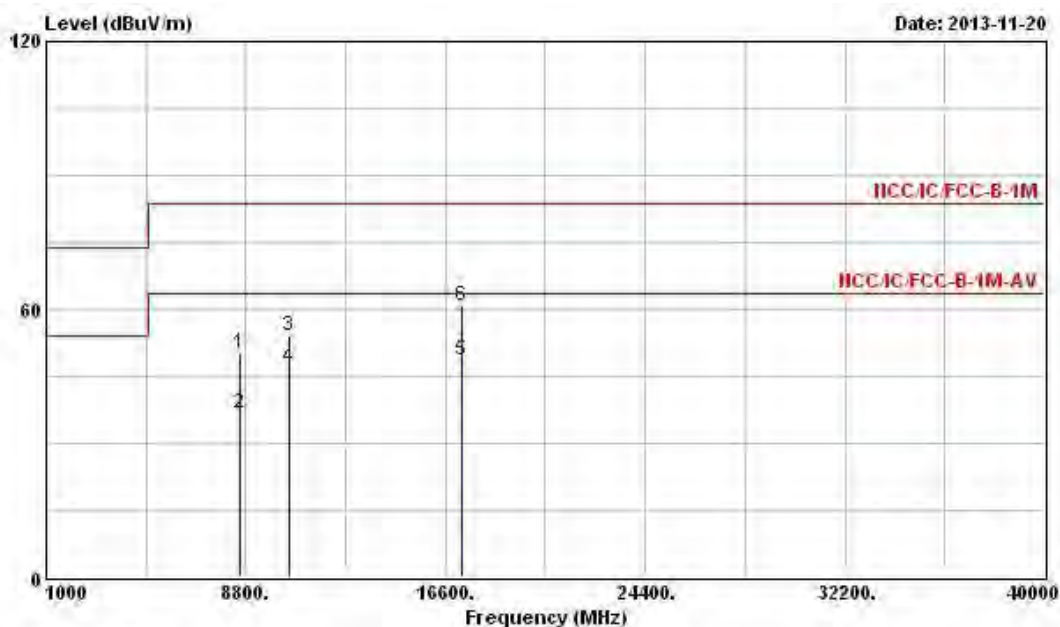
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (110.29 dBuV/m).

**Transmitter Radiated Unwanted Emissions (Above 1GHz)**

<b>Modulation Mode</b>	HT20 (Mode 2)	<b>Test Freq. (MHz)</b>	5745
<b>N<sub>TX</sub></b>	1	<b>Polarization</b>	V



	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	8548.150	50.32	-33.22	83.54	44.25	35.63	5.54	35.10	Peak	---
2	8548.150	36.68	-26.86	63.54	30.61	35.63	5.54	35.10	Average	---
3	10490.000	54.22	-29.32	83.54	45.26	37.59	6.30	34.93	Peak	---
4	10490.000	47.04	-16.50	63.54	38.08	37.59	6.30	34.93	Average	---
5	17235.000	48.72	-14.82	63.54	32.67	40.95	8.96	33.86	Average	---
6	17235.000	60.80	-22.74	83.54	44.75	40.95	8.96	33.86	Peak	---

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

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

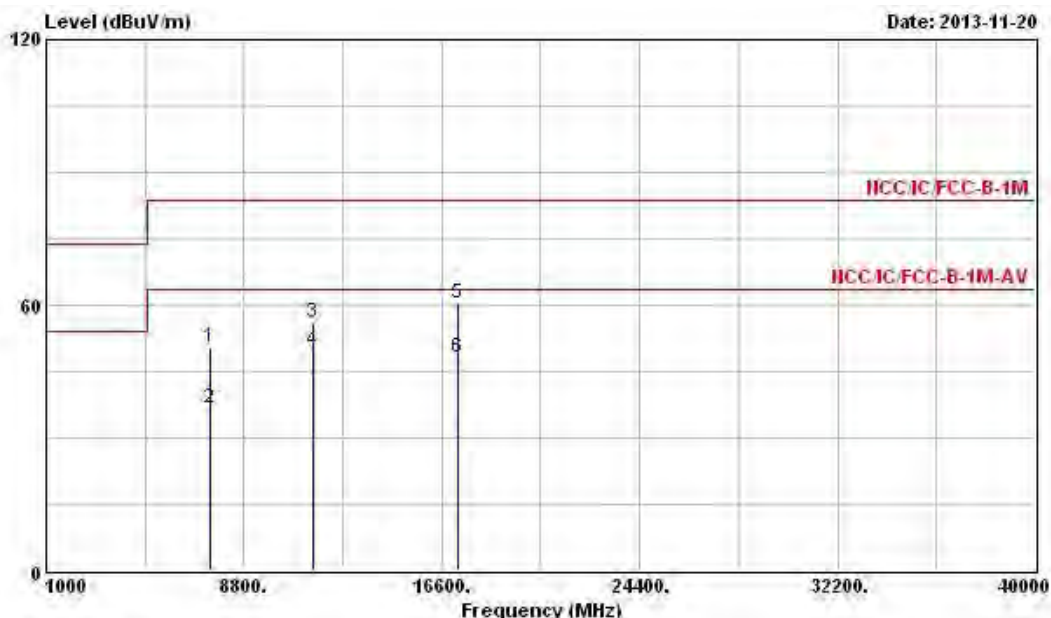
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (108.47 dBuV/m).

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20 (Mode 2)	Test Freq. (MHz)	5745
N <sub>TX</sub>	1	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	7489.950	50.55	-32.99	83.54	44.58	35.30	5.66	34.99	Peak	---
2	7489.950	36.81	-26.73	63.54	30.84	35.30	5.66	34.99	Average	---
3	11490.000	56.17	-27.37	83.54	45.96	38.29	6.36	34.44	Peak	---
4	11490.000	49.79	-13.75	63.54	39.58	38.29	6.36	34.44	Average	---
5	17235.000	60.41	-23.13	83.54	44.36	40.95	8.96	33.86	Peak	---
6	17235.000	48.26	-15.28	63.54	32.21	40.95	8.96	33.86	Average	---

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

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

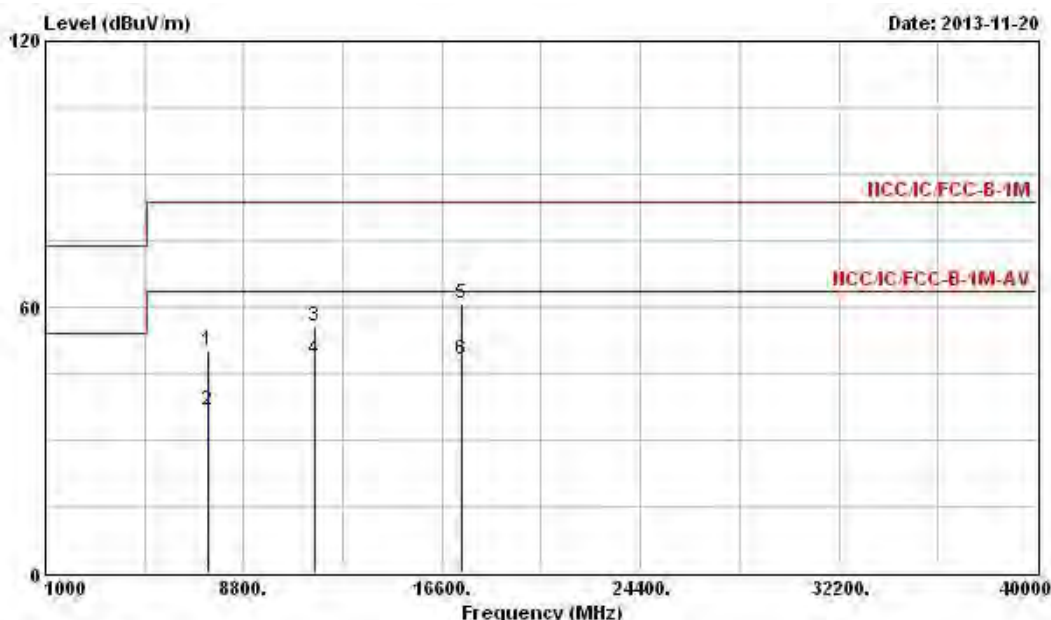
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (108.47 dBuV/m).

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20 (Mode 2)	Test Freq. (MHz)	5785
N <sub>TX</sub>	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	7393.750	50.21	-33.33	83.54	44.31	35.30	5.57	34.97	Peak	---	---
2	7393.750	36.84	-26.70	63.54	30.94	35.30	5.57	34.97	Average	---	---
3	11570.000	55.85	-27.69	83.54	45.58	38.36	6.44	34.53	Peak	---	---
4	11570.000	48.13	-15.41	63.54	37.86	38.36	6.44	34.53	Average	---	---
5	17355.000	60.77	-22.77	83.54	44.67	40.97	8.94	33.81	Peak	---	---
6	17355.000	48.03	-15.51	63.54	31.93	40.97	8.94	33.81	Average	---	---

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

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

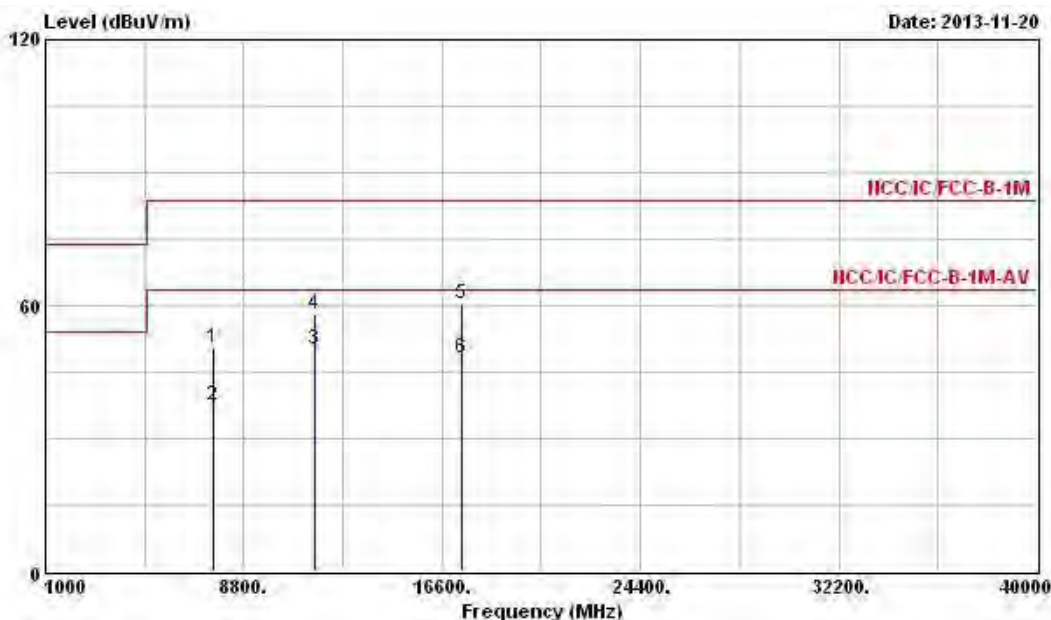
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (105.84 dBuV/m).

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20 (Mode 2)	Test Freq. (MHz)	5785
N <sub>TX</sub>	1	Polarization	H



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	7598.180	50.46	-33.08	83.54	44.54	35.30	5.64	35.02	Peak	---
2	7598.180	37.31	-26.23	63.54	31.39	35.30	5.64	35.02	Average	---
3	11570.000	50.26	-13.28	63.54	39.99	38.36	6.44	34.53	Average	---
4	11570.000	58.09	-25.45	83.54	47.82	38.36	6.44	34.53	Peak	---
5	17355.000	60.58	-22.96	83.54	44.48	40.97	8.94	33.81	Peak	---
6	17355.000	47.98	-15.56	63.54	31.88	40.97	8.94	33.81	Average	---

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

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

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

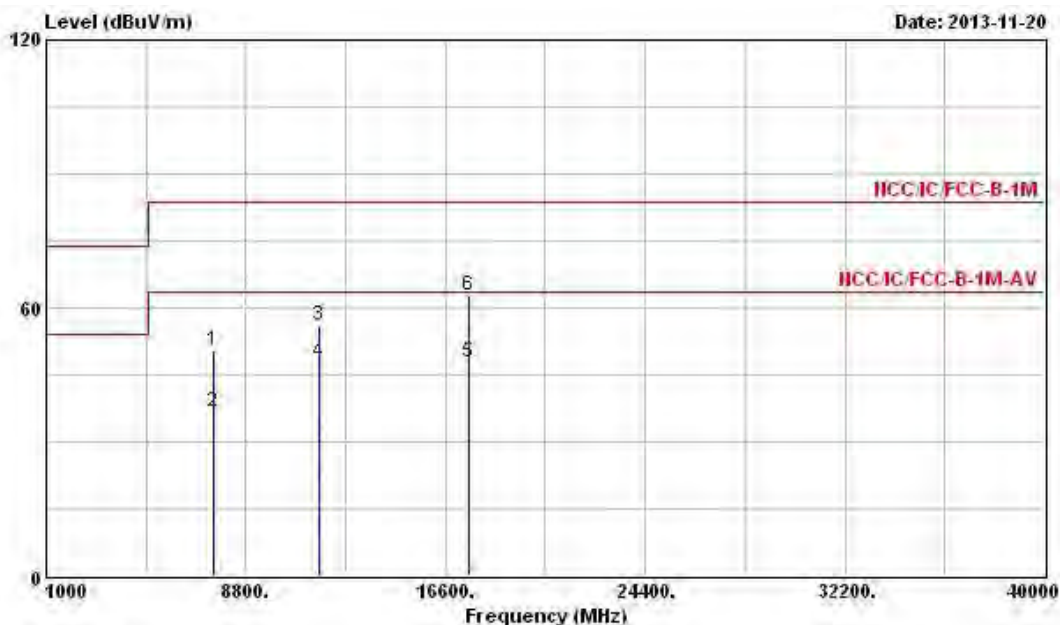
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (105.84 dBuV/m).



## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20 (Mode 2)	Test Freq. (MHz)	5825
N <sub>TX</sub>	1	Polarization	V



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	7524.000	50.72	-32.82	83.54	44.71	35.30	5.71	35.00	Peak	---
2	7524.000	36.57	-26.97	63.54	30.56	35.30	5.71	35.00	Average	---
3	11650.000	56.14	-27.40	83.54	45.79	38.41	6.52	34.58	Peak	---
4	11650.000	47.81	-15.73	63.54	37.46	38.41	6.52	34.58	Average	---
5	17475.000	47.94	-15.60	63.54	31.78	40.99	8.92	33.75	Average	---
6	17475.000	62.64	-20.90	83.54	46.48	40.99	8.92	33.75	Peak	---

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

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

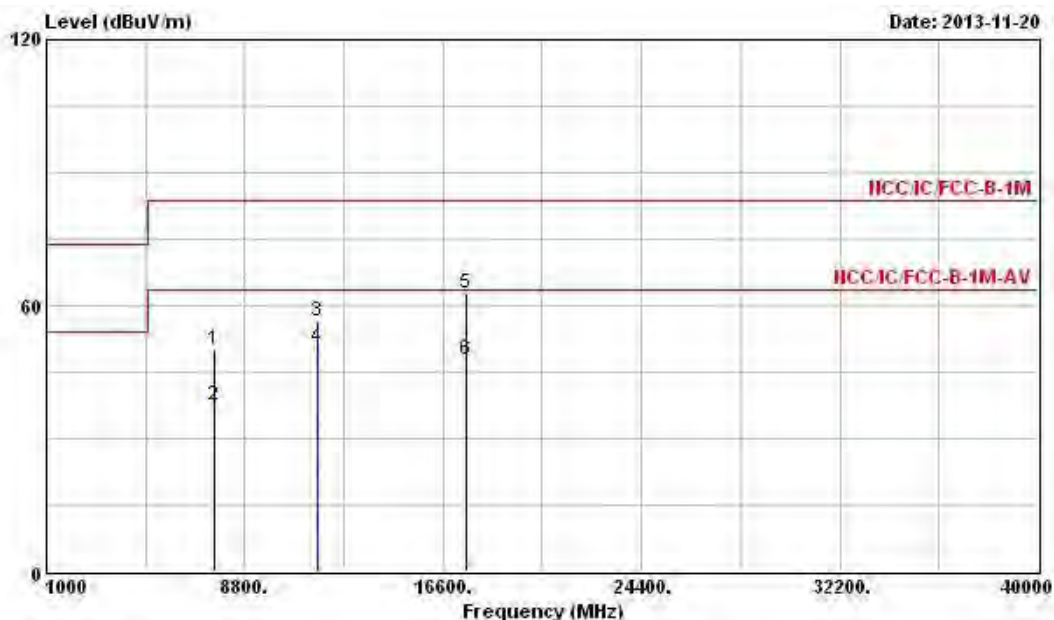
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (106.84 dBuV/m).

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20 (Mode 2)	Test Freq. (MHz)	5825
N <sub>TX</sub>	1	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	7608.000	50.29	-33.25	83.54	44.37	35.30	5.64	35.02	Peak	---
2	7608.000	37.31	-26.23	63.54	31.39	35.30	5.64	35.02	Average	---
3	11650.000	56.59	-26.95	83.54	46.24	38.41	6.52	34.58	Peak	---
4	11650.000	50.57	-12.97	63.54	40.22	38.41	6.52	34.58	Average	---
5	17475.000	62.74	-20.80	83.54	46.58	40.99	8.92	33.75	Peak	---
6	17475.000	47.82	-15.72	63.54	31.66	40.99	8.92	33.75	Average	---

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

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

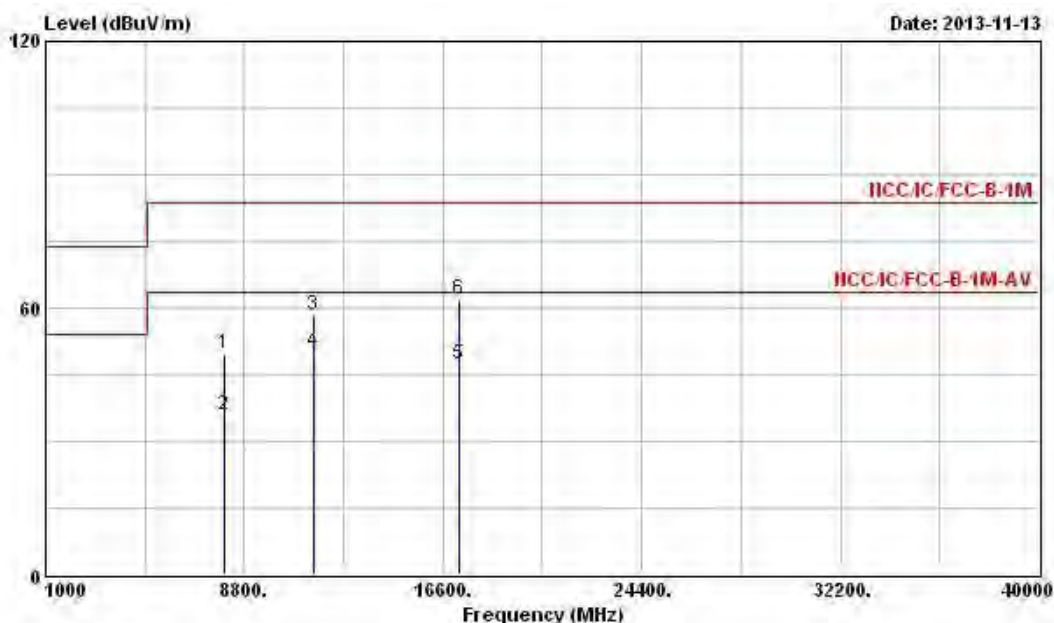
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (106.84 dBuV/m).

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20 (Mode 3)	Test Freq. (MHz)	5745
N <sub>TX</sub>	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	8040.000	49.79	-33.75	83.54	44.30	35.32	5.33	35.16	Peak	---	---
2	8040.000	36.10	-27.44	63.54	30.61	35.32	5.33	35.16	Average	---	---
3	11490.000	58.37	-25.17	83.54	48.16	38.29	6.36	34.44	Peak	---	---
4	11490.000	50.25	-13.29	63.54	40.04	38.29	6.36	34.44	Average	---	---
5	17235.000	47.31	-16.23	63.54	31.26	40.95	8.96	33.86	Average	---	---
6	17235.000	62.00	-21.54	83.54	45.95	40.95	8.96	33.86	Peak	---	---

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

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

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

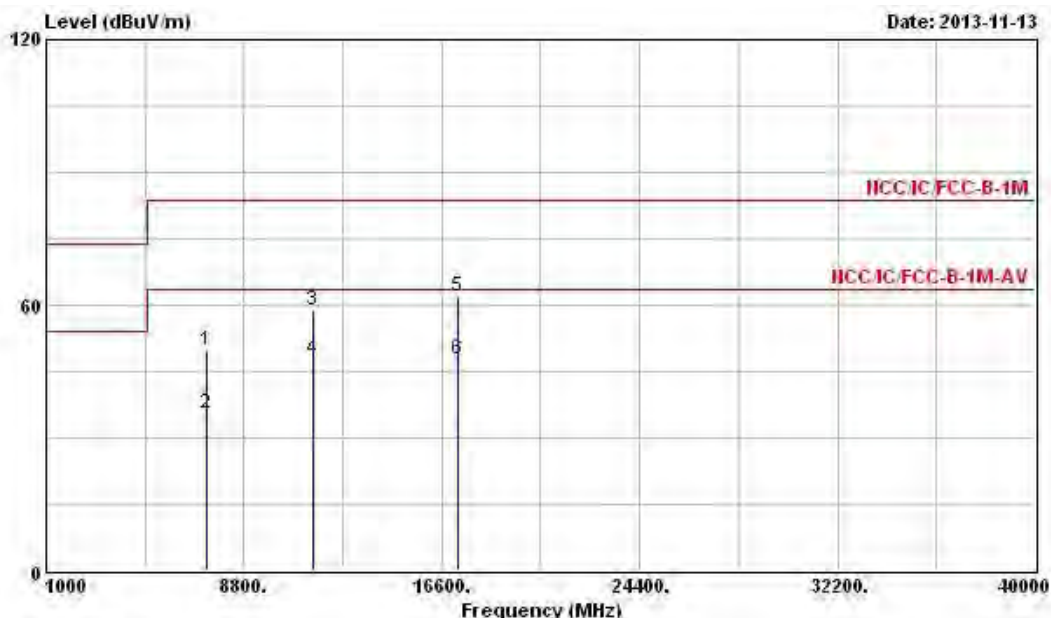
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (108.34 dBuV/m).



## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20 (Mode 3)	Test Freq. (MHz)	5745
N <sub>TX</sub>	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	7332.000	49.89	-33.65	83.54	44.08	35.30	5.47	34.96	Peak	---	---
2	7332.000	35.69	-27.85	63.54	29.88	35.30	5.47	34.96	Average	---	---
3	11490.000	58.66	-24.88	83.54	48.45	38.29	6.36	34.44	Peak	---	---
4	11490.000	47.59	-15.95	63.54	37.38	38.29	6.36	34.44	Average	---	---
5	17235.000	62.03	-21.51	83.54	45.98	40.95	8.96	33.86	Peak	---	---
6	17235.000	47.79	-15.75	63.54	31.74	40.95	8.96	33.86	Average	---	---

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

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

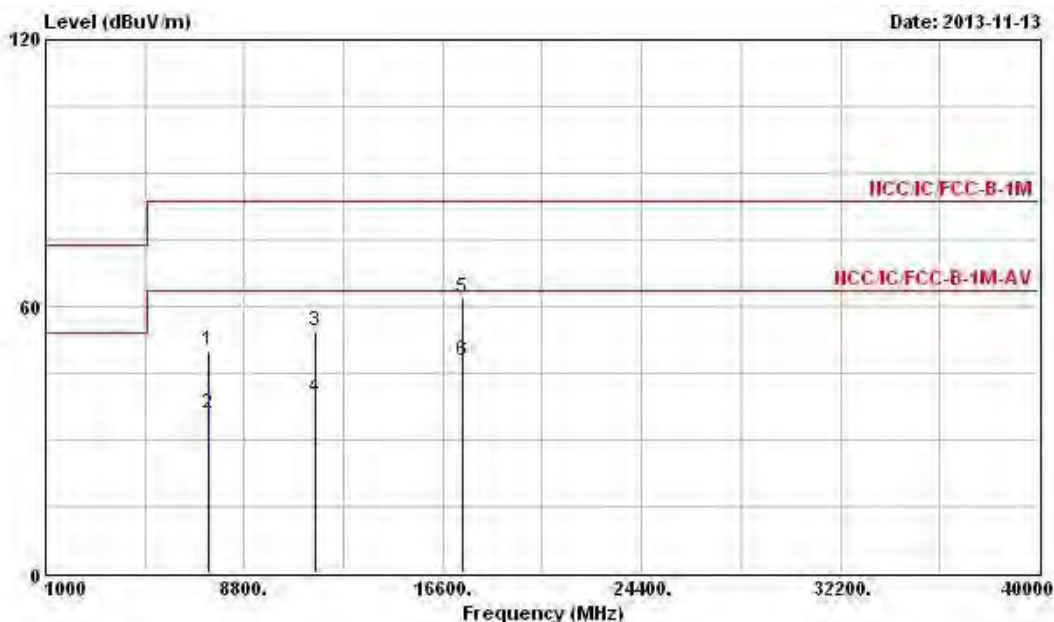
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (108.34 dBuV/m).

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20 (Mode 3)	Test Freq. (MHz)	5785
N <sub>TX</sub>	1	Polarization	V



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	7380.000	50.24	-33.30	83.54	44.34	35.30	5.57	34.97	Peak	---
2	7380.000	35.92	-27.62	63.54	30.02	35.30	5.57	34.97	Average	---
3	11570.000	54.34	-29.20	83.54	44.07	38.36	6.44	34.53	Peak	---
4	11570.000	39.46	-24.08	63.54	29.19	38.36	6.44	34.53	Average	---
5	17355.000	61.98	-21.56	83.54	45.88	40.97	8.94	33.81	Peak	---
6	17355.000	47.65	-15.89	63.54	31.55	40.97	8.94	33.81	Average	---

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

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

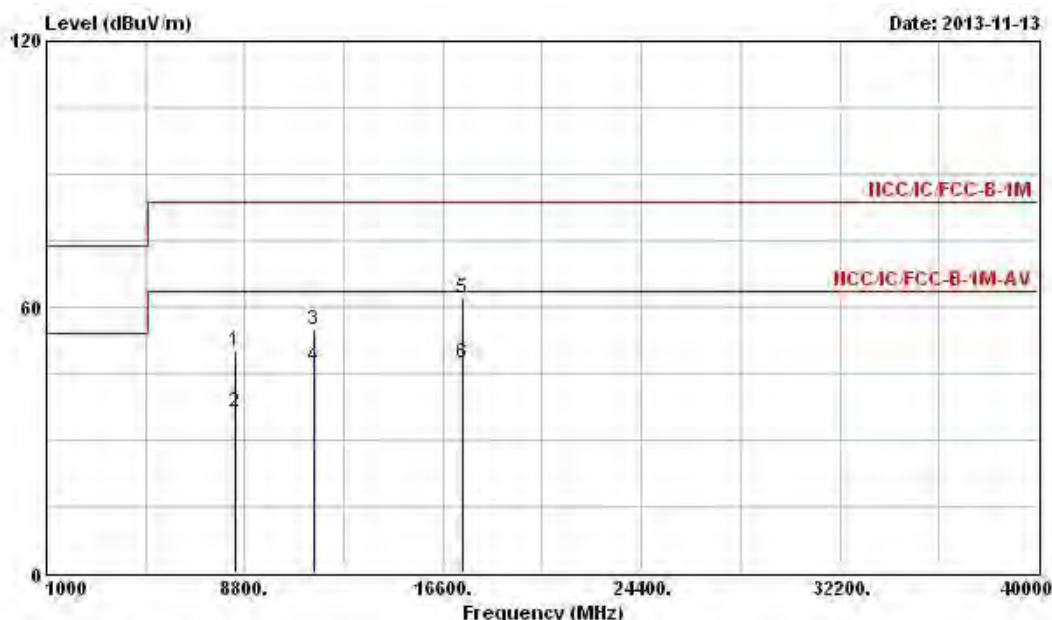
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (108.58 dBuV/m).

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20 (Mode 3)	Test Freq. (MHz)	5785
N <sub>TX</sub>	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	8421.000	50.11	-33.43	83.54	44.21	35.56	5.44	35.10	Peak	---	---
2	8421.000	36.22	-27.32	63.54	30.32	35.56	5.44	35.10	Average	---	---
3	11490.000	54.90	-28.64	83.54	44.69	38.29	6.36	34.44	Peak	---	---
4	11490.000	46.66	-16.88	63.54	36.45	38.29	6.36	34.44	Average	---	---
5	17355.000	62.16	-21.38	83.54	46.06	40.97	8.94	33.81	Peak	---	---
6	17355.000	47.54	-16.00	63.54	31.44	40.97	8.94	33.81	Average	---	---

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

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

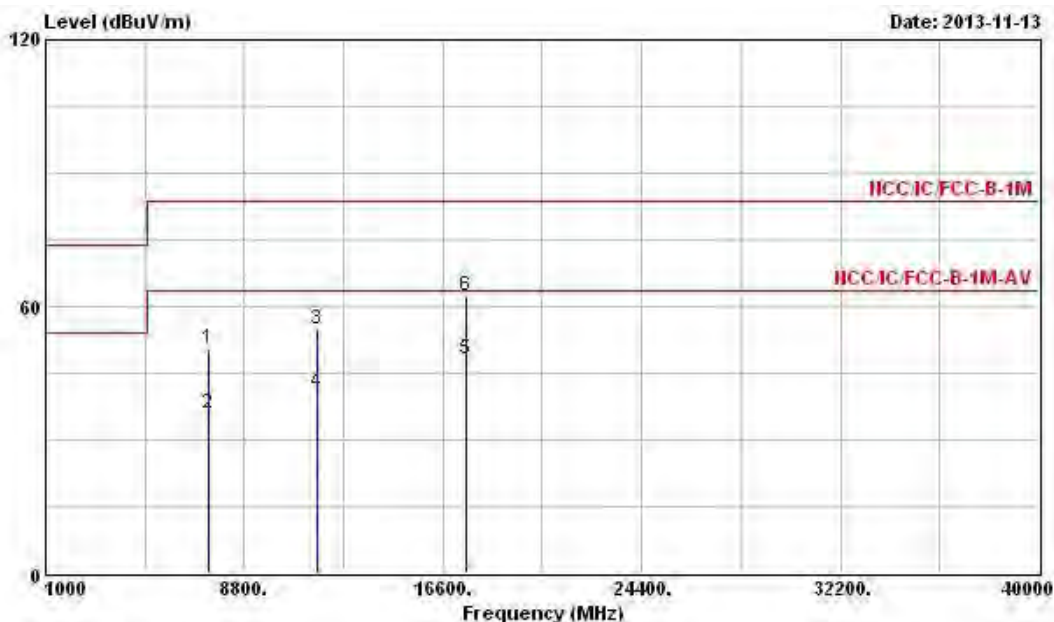
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (108.58 dBuV/m).

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20 (Mode 3)	Test Freq. (MHz)	5825
N <sub>TX</sub>	1	Polarization	V



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	7428.000	50.39	-33.15	83.54	44.46	35.30	5.61	34.98	Peak	---
2	7428.000	35.94	-27.60	63.54	30.01	35.30	5.61	34.98	Average	---
3	11650.000	54.81	-28.73	83.54	44.46	38.41	6.52	34.58	Peak	---
4	11650.000	40.49	-23.05	63.54	30.14	38.41	6.52	34.58	Average	---
5	17475.000	48.03	-15.51	63.54	31.87	40.99	8.92	33.75	Average	---
6	17475.000	62.46	-21.08	83.54	46.30	40.99	8.92	33.75	Peak	---

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

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

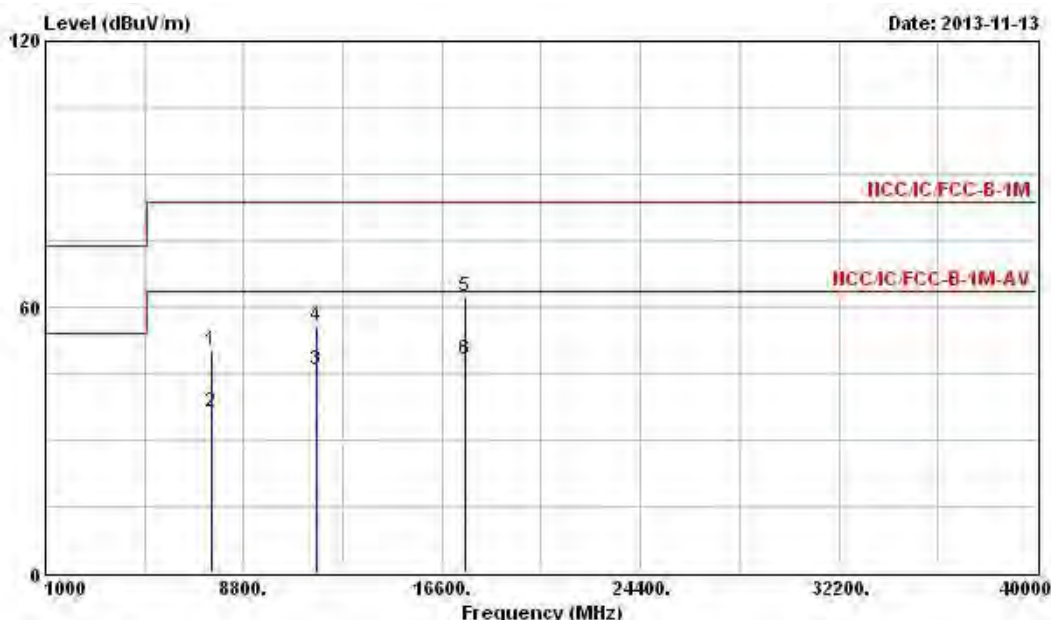
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (108.93 dBuV/m).

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20 (Mode 3)	Test Freq. (MHz)	5825
N <sub>TX</sub>	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	7524.000	50.27	-33.27	83.54	44.26	35.30	5.71	35.00	Peak	---	---
2	7524.000	36.20	-27.34	63.54	30.19	35.30	5.71	35.00	Average	---	---
3	11650.000	45.68	-17.86	63.54	35.33	38.41	6.52	34.58	Average	---	---
4	11650.000	55.60	-27.94	83.54	45.25	38.41	6.52	34.58	Peak	---	---
5	17475.000	62.25	-21.29	83.54	46.09	40.99	8.92	33.75	Peak	---	---
6	17475.000	47.97	-15.57	63.54	31.81	40.99	8.92	33.75	Average	---	---

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

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

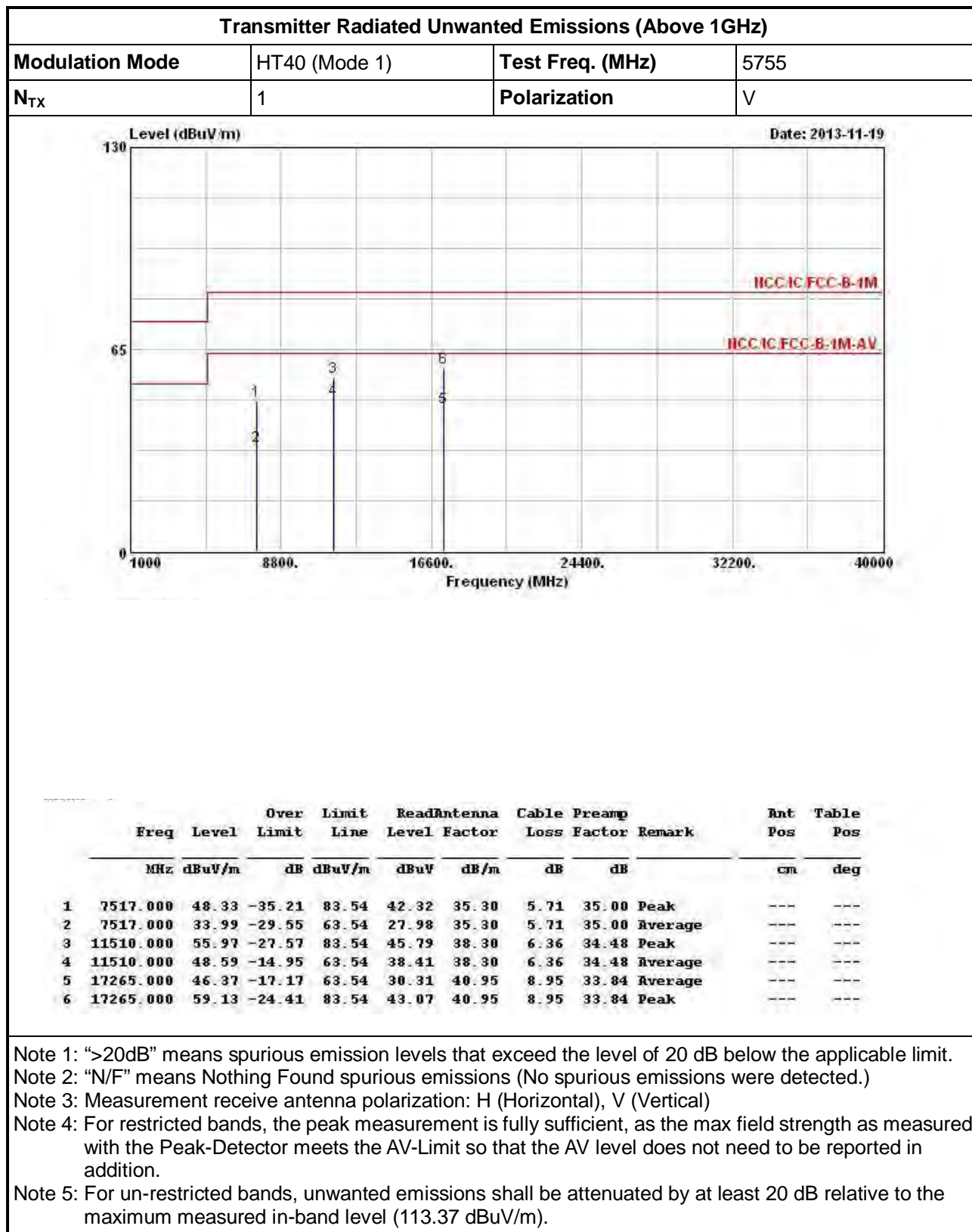
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (108.93 dBuV/m).

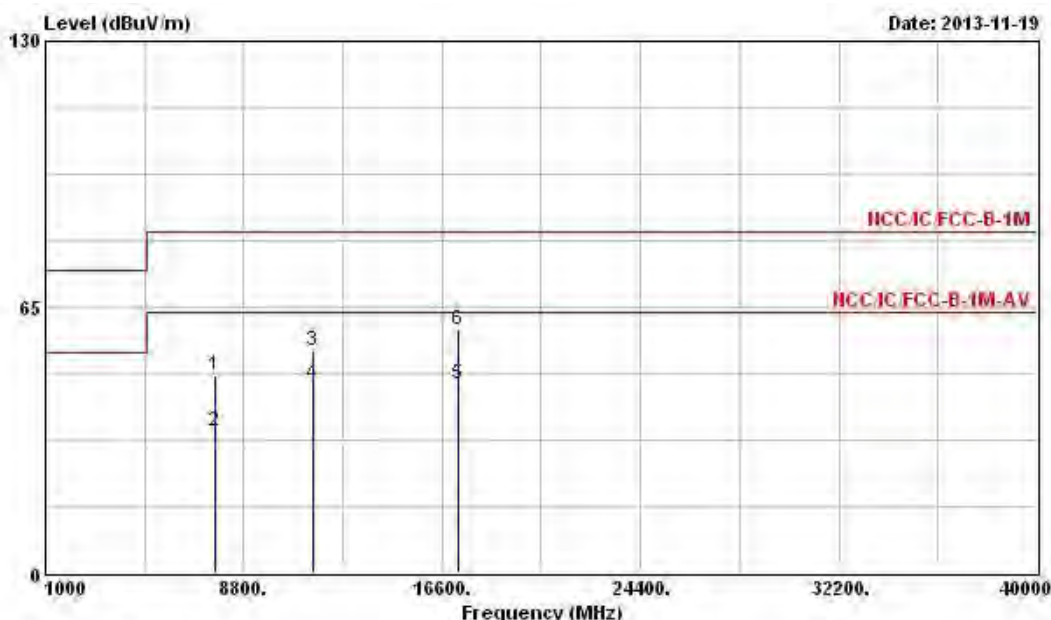


### 3.6.9 Transmitter Radiated Unwanted Emissions (Above 1GHz) for HT40



## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT40 (Mode 1)	Test Freq. (MHz)	5755
N <sub>TX</sub>	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	7649.000	48.11	-35.43	83.54	42.24	35.30	5.61	35.04	Peak	---	---
2	7649.000	34.73	-28.81	63.54	28.86	35.30	5.61	35.04	Average	---	---
3	11510.000	54.49	-29.05	83.54	44.31	38.30	6.36	34.48	Peak	---	---
4	11510.000	46.16	-17.38	63.54	35.98	38.30	6.36	34.48	Average	---	---
5	17265.000	46.38	-17.16	63.54	30.32	40.95	8.95	33.84	Average	---	---
6	17265.000	59.47	-24.07	83.54	43.41	40.95	8.95	33.84	Peak	---	---

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

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

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

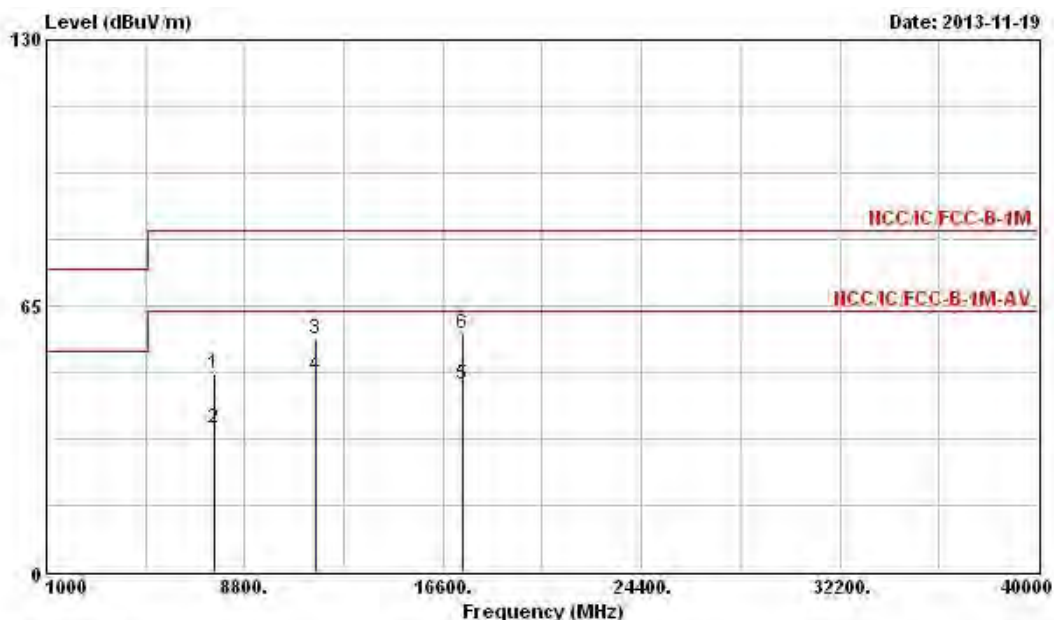
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (113.37 dBuV/m).



## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT40 (Mode 1)	Test Freq. (MHz)	5795
N <sub>TX</sub>	1	Polarization	V



	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	48.19	-35.35	83.54	42.27	35.30	5.64	35.02	Peak	---
2	7605.000	34.95	-28.59	63.54	29.03	35.30	5.64	35.02	Average	---
3	11590.000	56.92	-26.62	83.54	46.60	38.37	6.48	34.53	Peak	---
4	11590.000	47.87	-15.67	63.54	37.55	38.37	6.48	34.53	Average	---
5	17385.000	45.69	-17.85	63.54	29.57	40.98	8.93	33.79	Average	---
6	17385.000	58.15	-25.39	83.54	42.03	40.98	8.93	33.79	Peak	---

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

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

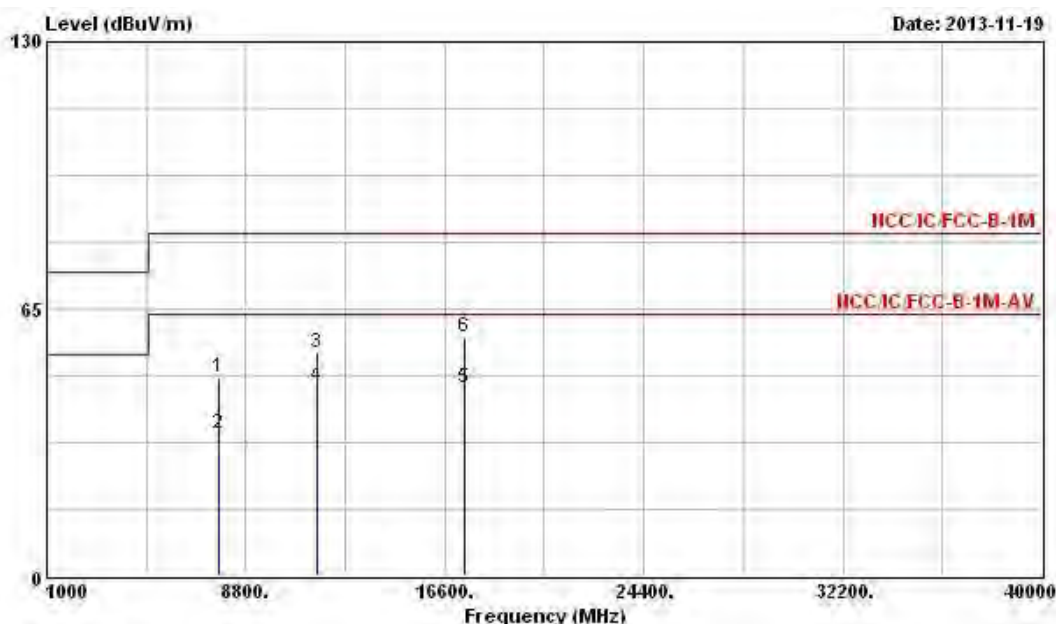
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (114.78 dBuV/m).

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT40 (Mode 1)	Test Freq. (MHz)	5795
N <sub>TX</sub>	1	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	7726.000	48.46	-35.08	83.54	42.69	35.30	5.54	35.07	Peak	---
2	7726.000	34.56	-28.98	63.54	28.79	35.30	5.54	35.07	Average	---
3	11590.000	54.26	-29.28	83.54	43.94	38.37	6.48	34.53	Peak	---
4	11590.000	46.04	-17.50	63.54	35.72	38.37	6.48	34.53	Average	---
5	17385.000	45.75	-17.79	63.54	29.63	40.98	8.93	33.79	Average	---
6	17385.000	58.36	-25.18	83.54	42.24	40.98	8.93	33.79	Peak	---

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

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

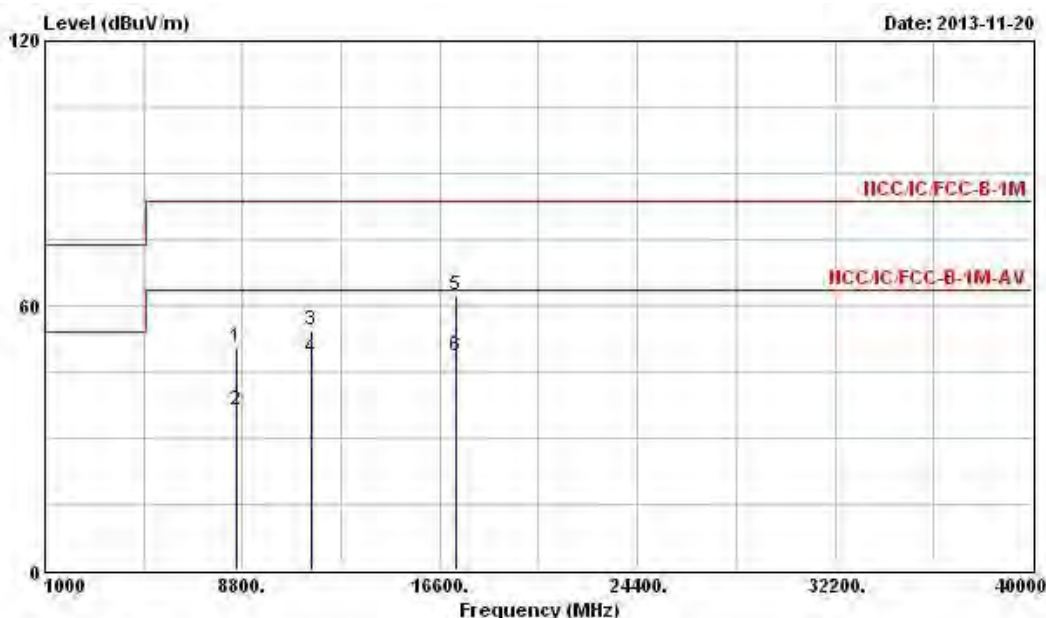
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (114.78 dBuV/m).

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT40 (Mode 2)	Test Freq. (MHz)	5755
N <sub>TX</sub>	1	Polarization	V



	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	8568.000	50.56	-32.98	83.54	44.49	35.64	5.54	35.11	Peak	---
2	8568.000	36.51	-27.03	63.54	30.44	35.64	5.54	35.11	Average	---
3	11510.000	54.30	-29.24	83.54	44.12	38.30	6.36	34.48	Peak	---
4	11510.000	48.09	-15.45	63.54	37.91	38.30	6.36	34.48	Average	---
5	17265.000	62.28	-21.26	83.54	46.22	40.95	8.95	33.84	Peak	---
6	17265.000	48.56	-14.98	63.54	32.50	40.95	8.95	33.84	Average	---

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

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

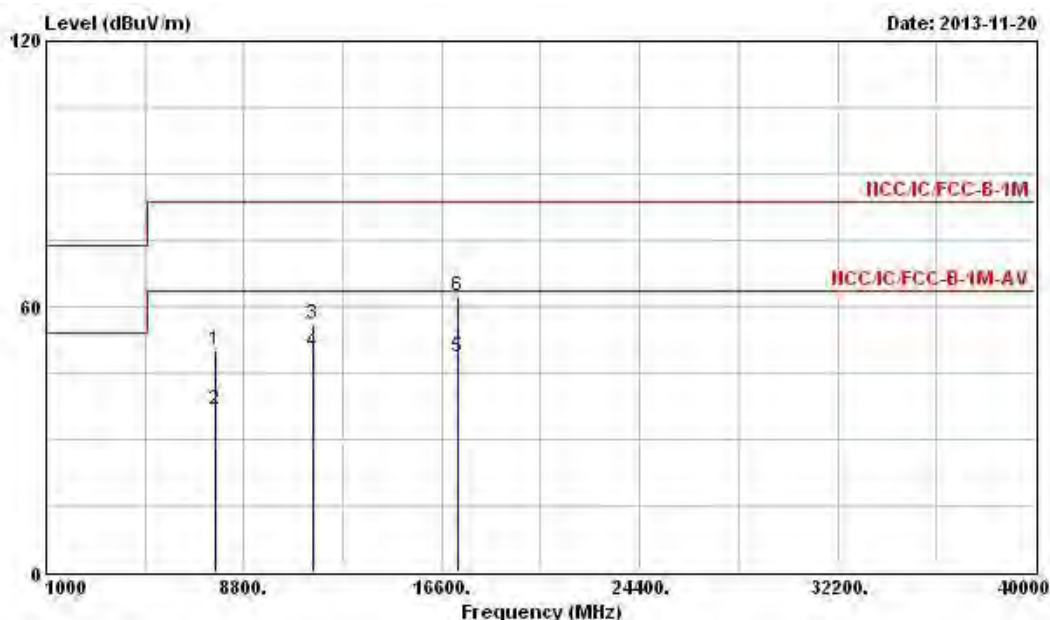
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (104.41 dBuV/m).

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT40 (Mode 2)	Test Freq. (MHz)	5755
N <sub>TX</sub>	1	Polarization	H



			Over	Limit	ReadAntenna		Cable	Preamp		Ant	Table
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	7704.000	50.21	-33.33	83.54	44.43	35.30	5.54	35.06	Peak	---	---
2	7704.000	36.74	-26.80	63.54	30.96	35.30	5.54	35.06	Average	---	---
3	11510.000	56.03	-27.51	83.54	45.85	38.30	6.36	34.48	Peak	---	---
4	11510.000	49.64	-13.90	63.54	39.46	38.30	6.36	34.48	Average	---	---
5	17265.000	48.67	-14.87	63.54	32.61	40.95	8.95	33.84	Average	---	---
6	17265.000	62.33	-21.21	83.54	46.27	40.95	8.95	33.84	Peak	---	---

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

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

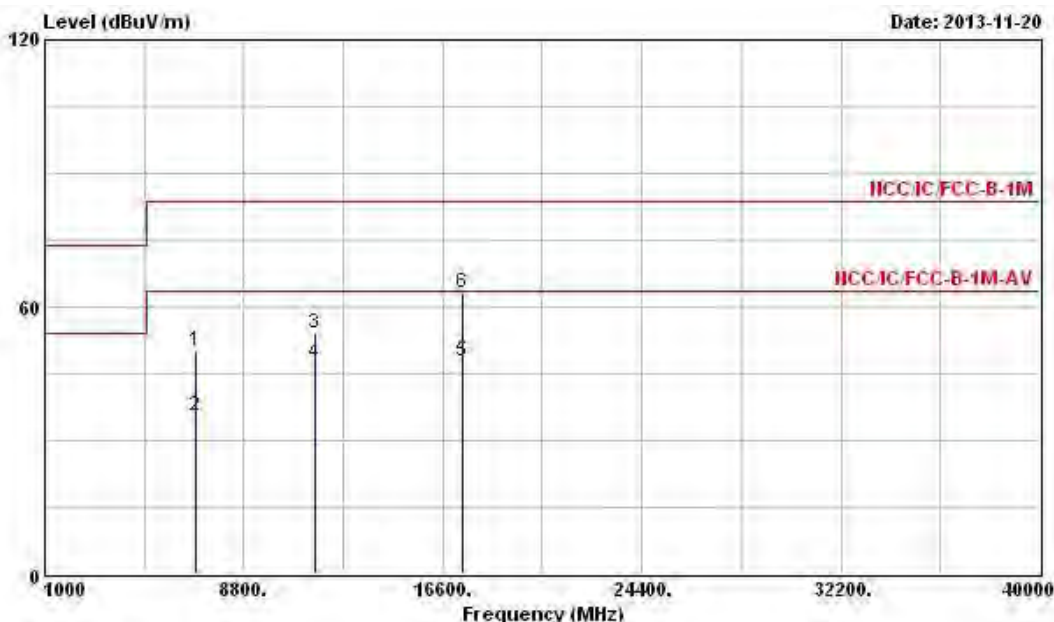
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (104.41 dBuV/m).

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT40 (Mode 2)	Test Freq. (MHz)	5795
N <sub>TX</sub>	1	Polarization	V



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	6900.000	50.16	-33.38	83.54	44.62	35.28	5.13	34.87	Peak	---	---
2	6900.000	35.68	-27.86	63.54	30.14	35.28	5.13	34.87	Average	---	---
3	11590.000	54.20	-29.34	83.54	43.88	38.37	6.48	34.53	Peak	---	---
4	11590.000	47.41	-36.13	83.54	37.09	38.37	6.48	34.53	Peak	---	---
5	17385.000	47.69	-15.85	63.54	31.57	40.98	8.93	33.79	Average	---	---
6	17385.000	63.21	-20.33	83.54	47.09	40.98	8.93	33.79	Peak	---	---

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

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

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

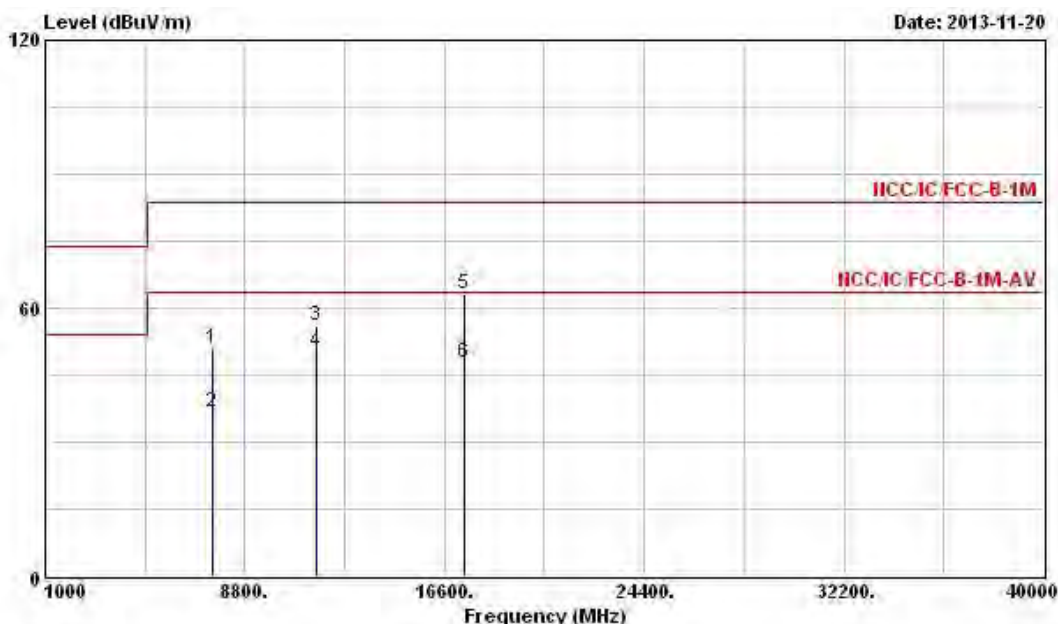
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (103.86 dBuV/m).



## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT40 (Mode 2)	Test Freq. (MHz)	5795
N <sub>TX</sub>	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	7560.000	50.80	-32.74	83.54	44.83	35.30	5.68	35.01	Peak	---	---
2	7560.000	36.81	-26.73	63.54	30.84	35.30	5.68	35.01	Average	---	---
3	11590.000	55.99	-27.55	83.54	45.67	38.37	6.48	34.53	Peak	---	---
4	11590.000	49.95	-13.59	63.54	39.63	38.37	6.48	34.53	Average	---	---
5	17385.000	63.10	-20.44	83.54	46.98	40.98	8.93	33.79	Peak	---	---
6	17385.000	47.79	-15.75	63.54	31.67	40.98	8.93	33.79	Average	---	---

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

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

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

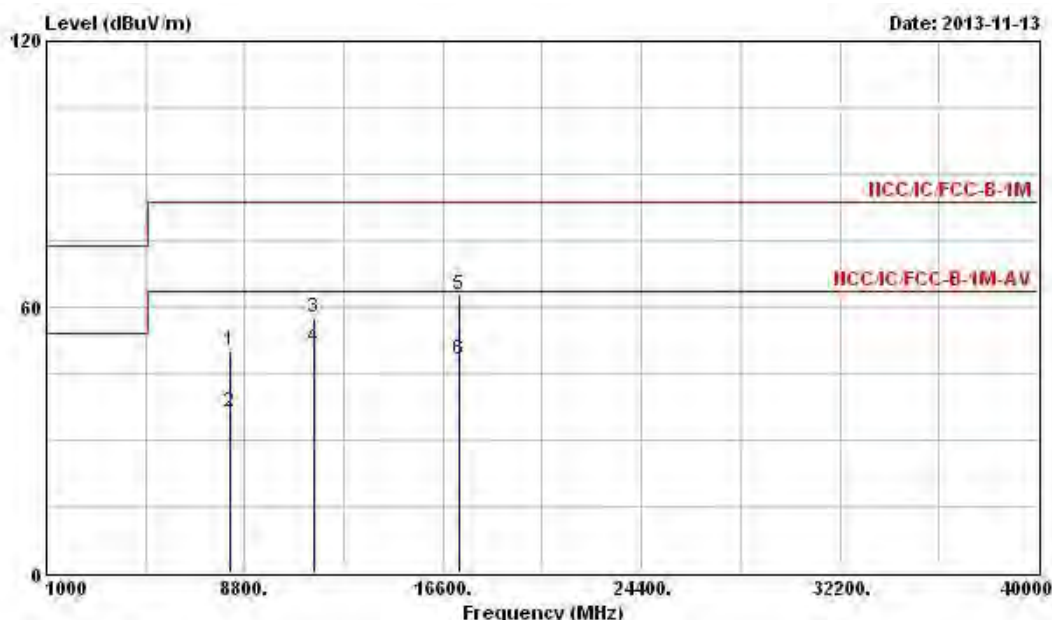
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (103.86 dBuV/m).



## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT40 (Mode 3)	Test Freq. (MHz)	5755
N <sub>TX</sub>	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	8244.000	50.23	-33.31	83.54	44.53	35.44	5.39	35.13	Peak	---	---
2	8244.000	36.13	-27.41	63.54	30.43	35.44	5.39	35.13	Average	---	---
3	11510.000	57.50	-26.04	83.54	47.32	38.30	6.36	34.48	Peak	---	---
4	11510.000	51.03	-12.51	63.54	40.85	38.30	6.36	34.48	Average	---	---
5	17265.000	62.73	-20.81	83.54	46.67	40.95	8.95	33.84	Peak	---	---
6	17265.000	48.25	-15.29	63.54	32.19	40.95	8.95	33.84	Average	---	---

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

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

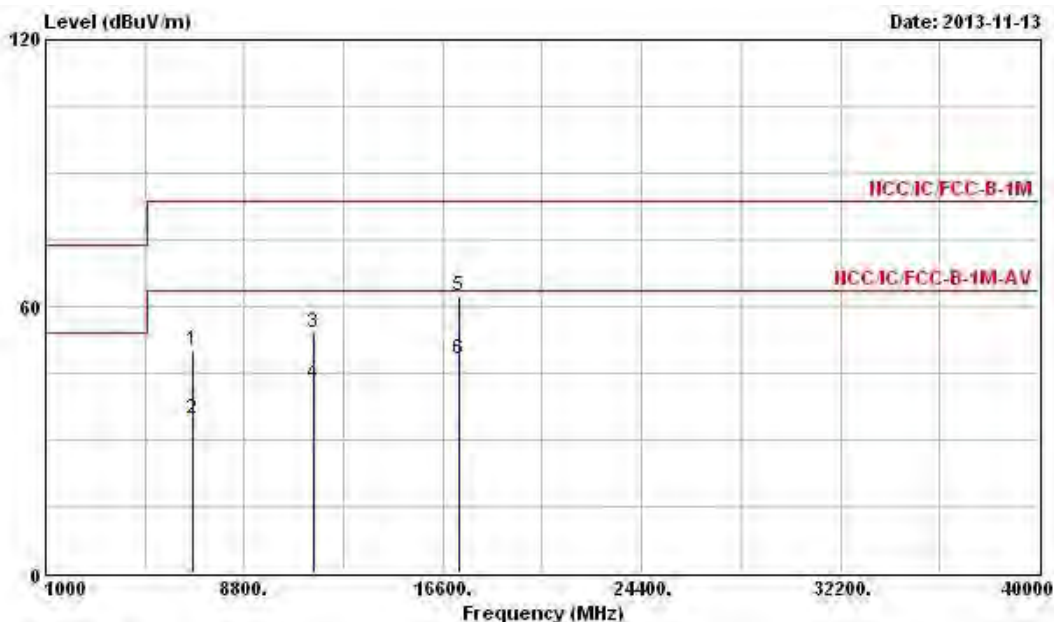
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (105.87 dBuV/m).

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT40 (Mode 3)	Test Freq. (MHz)	5755
N <sub>TX</sub>	1	Polarization	H



	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	6804.000	50.24	-33.30	83.54	44.67	35.26	5.16	34.85	Peak	---	---
2	6804.000	34.73	-28.81	63.54	29.16	35.26	5.16	34.85	Average	---	---
3	11510.000	54.09	-29.45	83.54	43.91	38.30	6.36	34.48	Peak	---	---
4	11510.000	42.56	-20.98	63.54	32.38	38.30	6.36	34.48	Average	---	---
5	17265.000	62.56	-20.98	83.54	46.50	40.95	8.95	33.84	Peak	---	---
6	17265.000	48.14	-15.40	63.54	32.08	40.95	8.95	33.84	Average	---	---

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

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

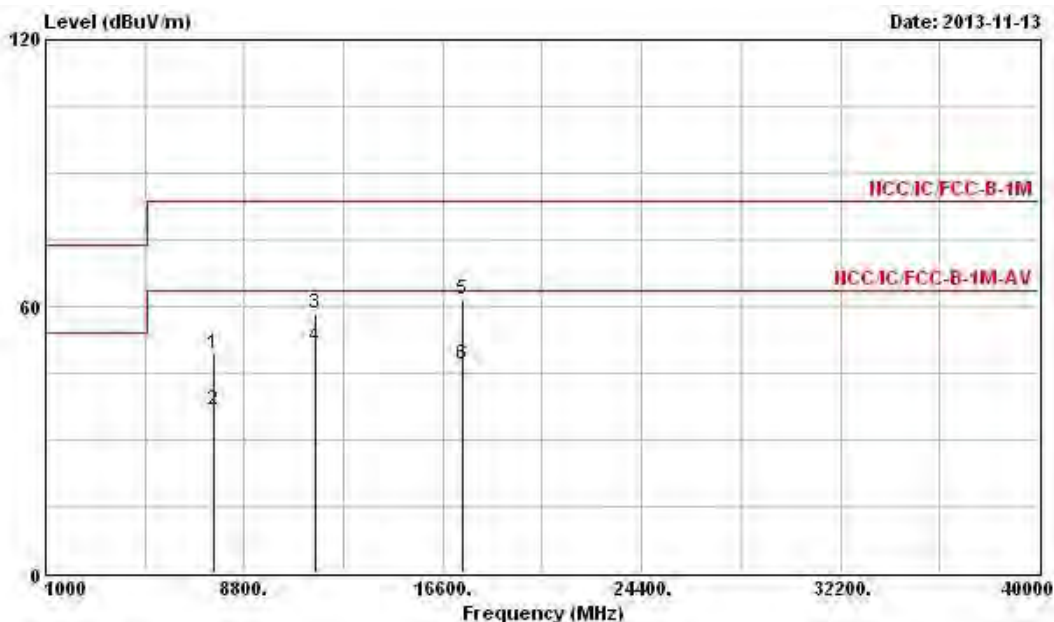
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (105.87 dBuV/m).

### Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT40 (Mode 3)	Test Freq. (MHz)	5795
N <sub>TX</sub>	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	7608.000	49.51	-34.03	83.54	43.59	35.30	5.64	35.02	Peak	---	---
2	7608.000	36.52	-27.02	63.54	30.60	35.30	5.64	35.02	Average	---	---
3	11590.000	58.61	-24.93	83.54	48.29	38.37	6.48	34.53	Peak	---	---
4	11590.000	51.09	-12.45	63.54	40.77	38.37	6.48	34.53	Average	---	---
5	17385.000	61.72	-21.82	83.54	45.60	40.98	8.93	33.79	Peak	---	---
6	17385.000	46.98	-16.56	63.54	30.86	40.98	8.93	33.79	Average	---	---

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

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

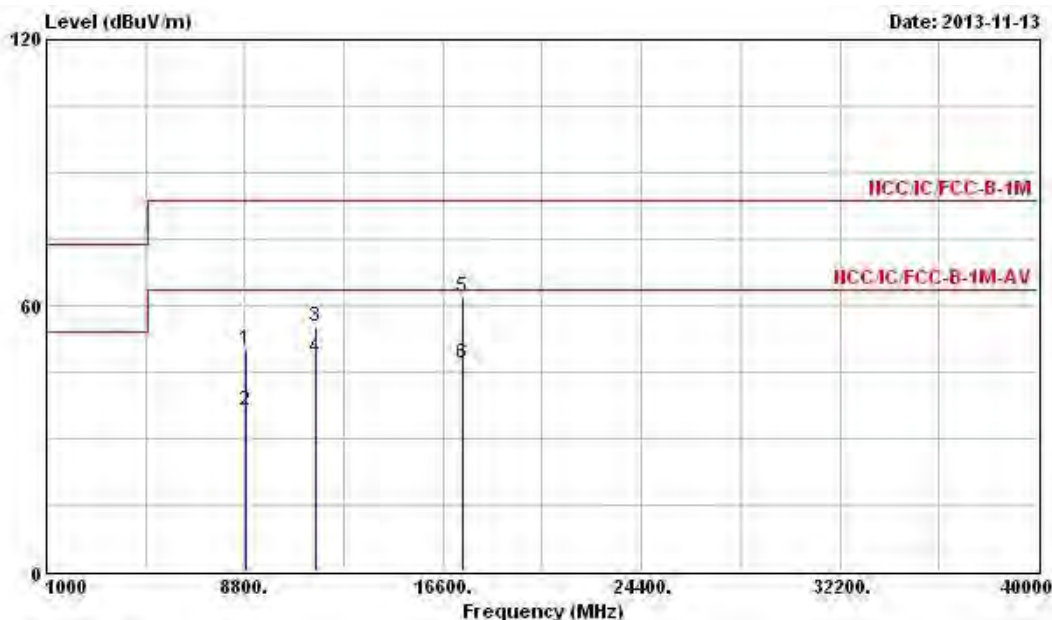
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (105.77 dBuV/m).

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT40 (Mode 3)	Test Freq. (MHz)	5795
N <sub>TX</sub>	1	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	8821.000	50.22	-33.32	83.54	43.77	35.79	5.82	35.16	Peak	---
2	8821.000	36.49	-27.05	63.54	30.04	35.79	5.82	35.16	Average	---
3	11590.000	55.39	-28.15	83.54	45.07	38.37	6.48	34.53	Peak	---
4	11590.000	48.03	-15.51	63.54	37.71	38.37	6.48	34.53	Average	---
5	17385.000	61.78	-21.76	83.54	45.66	40.98	8.93	33.79	Peak	---
6	17385.000	47.16	-16.38	63.54	31.04	40.98	8.93	33.79	Average	---

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

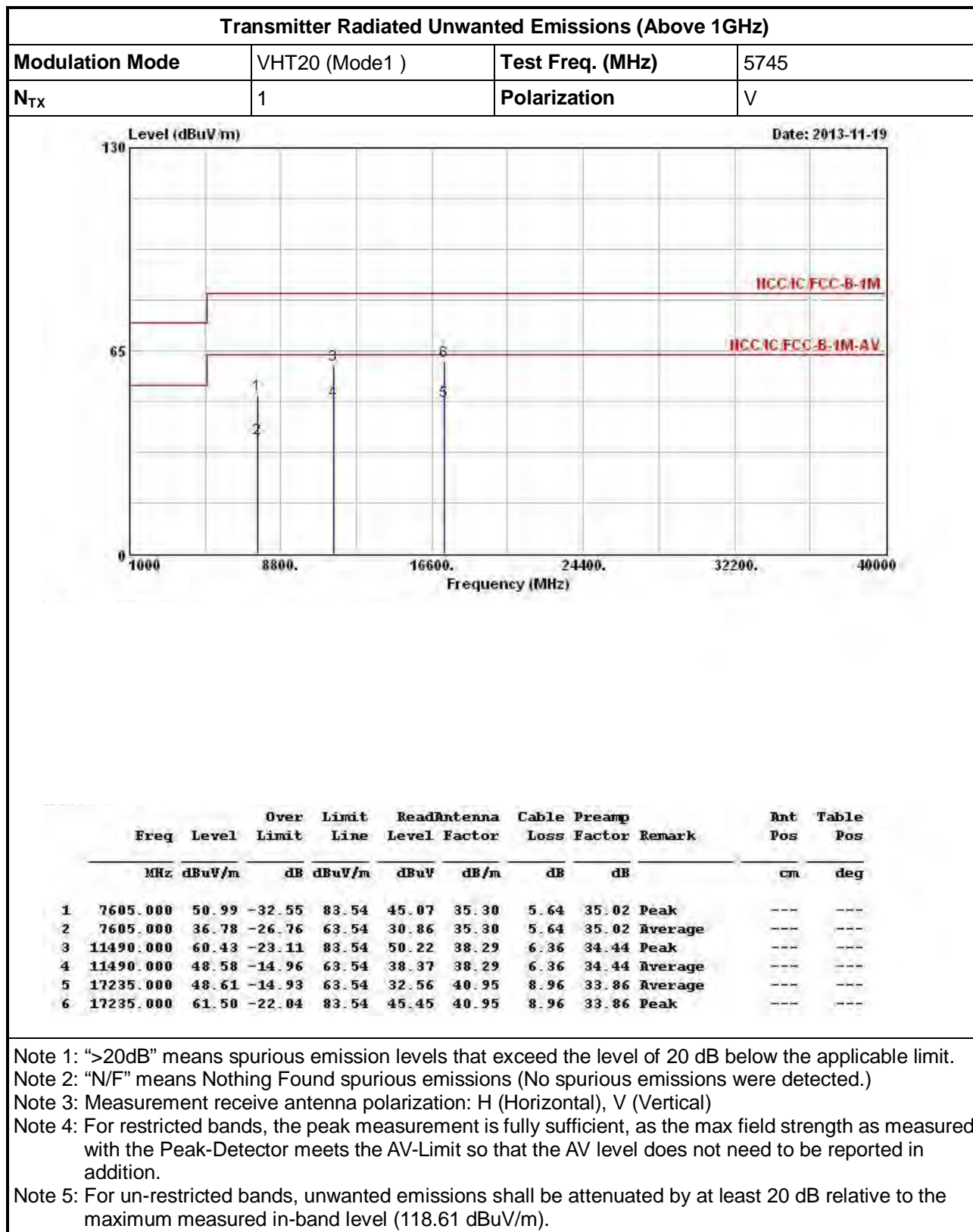
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (105.77 dBuV/m).

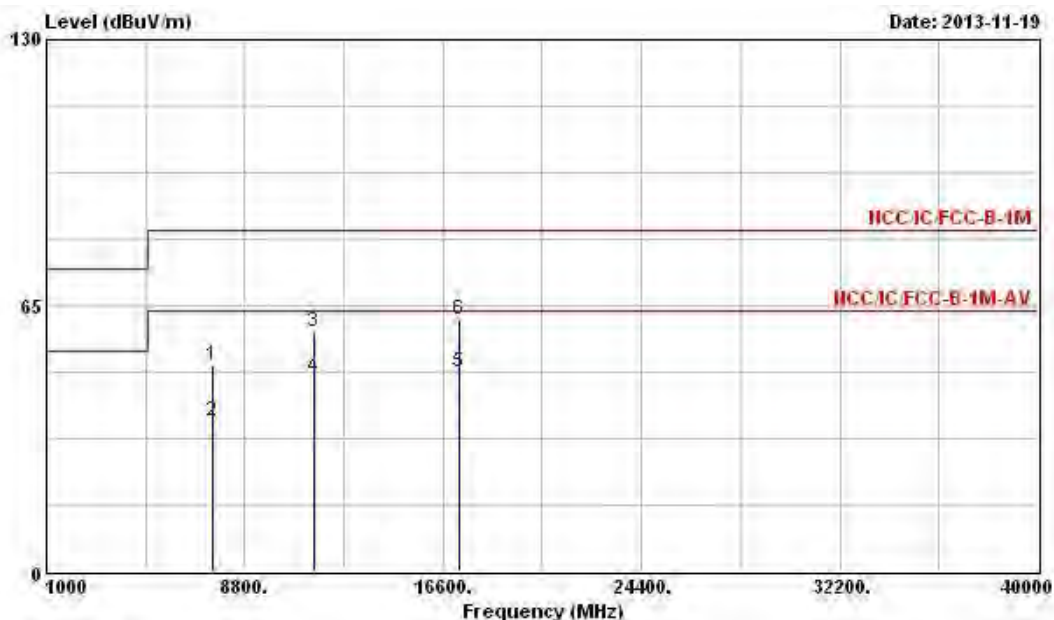
## 3.6.10 Transmitter Radiated Unwanted Emissions (Above 1GHz) for VHT20





## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT20 (Mode1 )	Test Freq. (MHz)	5745
N <sub>TX</sub>	1	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	7561.000	50.40	-33.14	83.54	44.43	35.30	5.68	35.01 Peak	---	---
2	7561.000	36.58	-26.96	63.54	30.61	35.30	5.68	35.01 Average	---	---
3	11490.000	58.64	-24.90	83.54	48.43	38.29	6.36	34.44 Peak	---	---
4	11490.000	47.57	-15.97	63.54	37.36	38.29	6.36	34.44 Average	---	---
5	17235.000	48.59	-14.95	63.54	32.54	40.95	8.96	33.86 Average	---	---
6	17235.000	61.60	-21.94	83.54	45.55	40.95	8.96	33.86 Peak	---	---

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

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

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

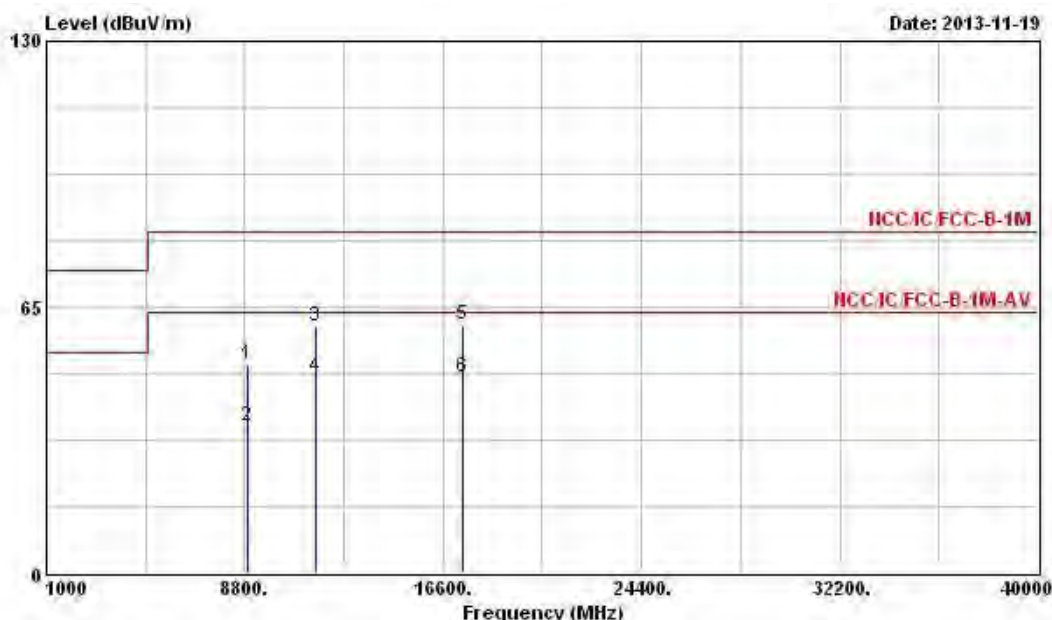
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (118.61 dBuV/m).



## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT20 (Mode1 )	Test Freq. (MHz)	5785
N <sub>TX</sub>	1	Polarization	V



	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	8914.000	50.86	-32.68	83.54	44.29	35.85	5.90	35.18	Peak	---
2	8914.000	36.09	-27.45	63.54	29.52	35.85	5.90	35.18	Average	---
3	11570.000	60.31	-23.23	83.54	50.04	38.36	6.44	34.53	Peak	---
4	11570.000	48.00	-15.54	63.54	37.73	38.36	6.44	34.53	Average	---
5	17355.000	60.65	-22.89	83.54	44.55	40.97	8.94	33.81	Peak	---
6	17355.000	47.94	-15.60	63.54	31.84	40.97	8.94	33.81	Average	---

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

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

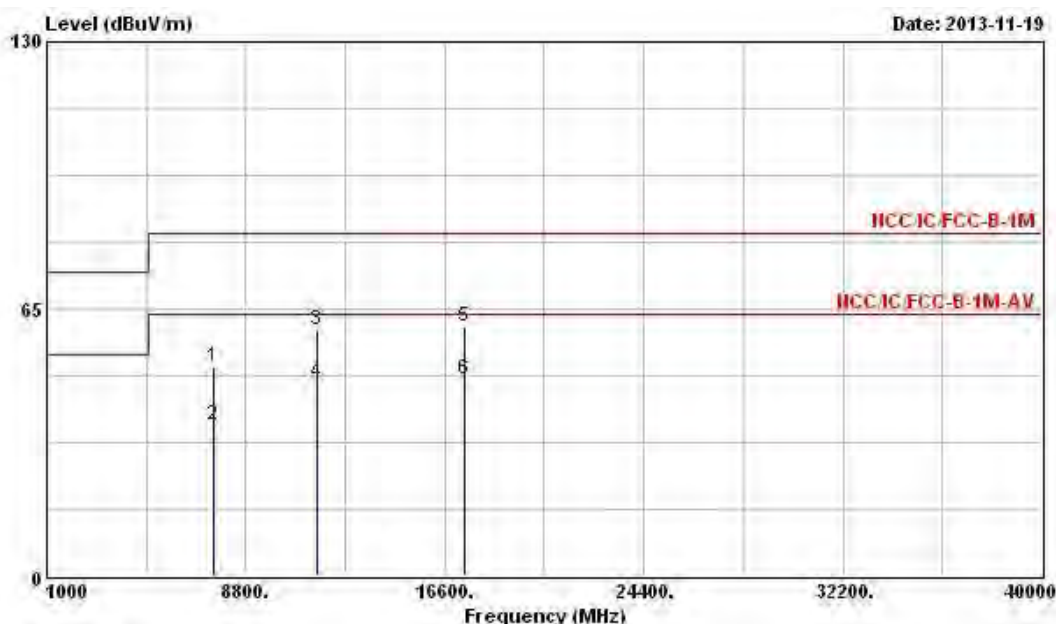
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (118.09 dBuV/m).

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT20 (Mode1 )	Test Freq. (MHz)	5785
N <sub>TX</sub>	1	Polarization	H



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	7550.000	50.94	-32.60	83.54	44.97	35.30	5.68	35.01	Peak	---	---
2	7550.000	36.65	-26.89	63.54	30.68	35.30	5.68	35.01	Average	---	---
3	11570.000	59.94	-23.60	83.54	49.67	38.36	6.44	34.53	Peak	---	---
4	11570.000	47.00	-16.54	63.54	36.73	38.36	6.44	34.53	Average	---	---
5	17355.000	60.67	-22.87	83.54	44.57	40.97	8.94	33.81	Peak	---	---
6	17355.000	48.05	-15.49	63.54	31.95	40.97	8.94	33.81	Average	---	---

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

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

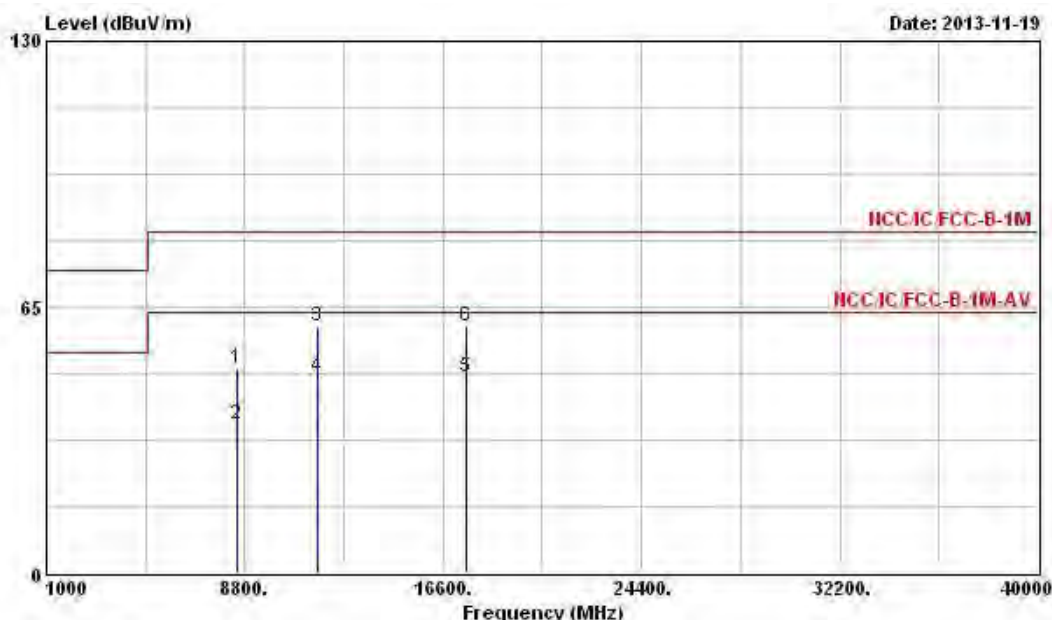
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (118.09 dBuV/m).

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT20 (Mode1 )	Test Freq. (MHz)	5825
N <sub>TX</sub>	1	Polarization	V

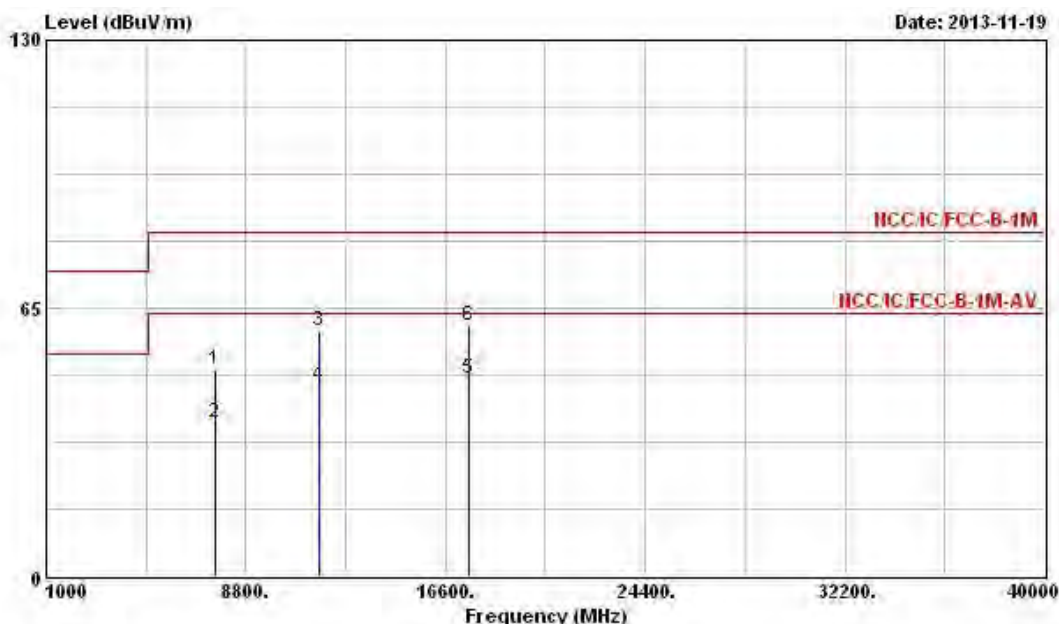


	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8518.000	50.05	-33.49	83.54	44.04	35.61	5.50	35.10	Peak	---
2	8518.000	36.31	-27.23	63.54	30.30	35.61	5.50	35.10	Average	---
3	11650.000	60.34	-23.20	83.54	49.99	38.41	6.52	34.58	Peak	---
4	11650.000	47.98	-15.56	63.54	37.63	38.41	6.52	34.58	Average	---
5	17475.000	47.98	-15.56	63.54	31.82	40.99	8.92	33.75	Average	---
6	17475.000	60.20	-23.34	83.54	44.04	40.99	8.92	33.75	Peak	---

- Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.  
 Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)  
 Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)  
 Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.  
 Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (119.29 dBuV/m).

### Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT20 (Mode1 )	Test Freq. (MHz)	5825
N <sub>TX</sub>	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	7605.000	50.19	-33.35	83.54	44.27	35.30	5.64	35.02	Peak	---	---
2	7605.000	37.07	-26.47	63.54	31.15	35.30	5.64	35.02	Average	---	---
3	11650.000	59.37	-24.17	83.54	49.02	38.41	6.52	34.58	Peak	---	---
4	11650.000	46.33	-17.21	63.54	35.98	38.41	6.52	34.58	Average	---	---
5	17475.000	47.81	-15.73	63.54	31.65	40.99	8.92	33.75	Average	---	---
6	17475.000	60.78	-22.76	83.54	44.62	40.99	8.92	33.75	Peak	---	---

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

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

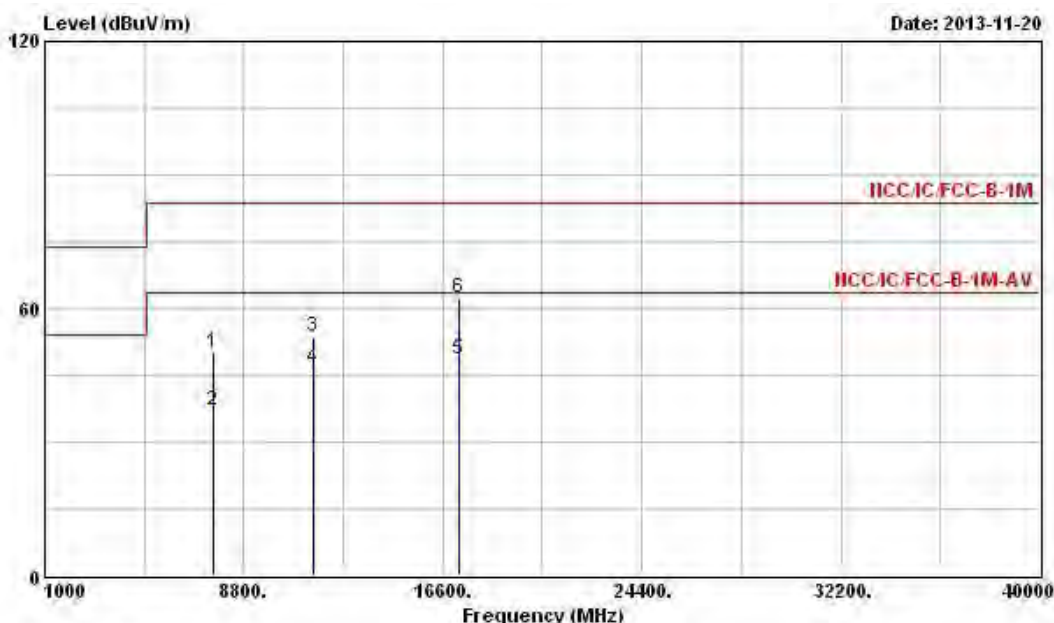
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (119.29 dBuV/m).

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT20 (Mode 2 )	Test Freq. (MHz)	5745
N <sub>TX</sub>	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	7620.000	50.30	-33.24	83.54	44.42	35.30	5.61	35.03	Peak	---	---
2	7620.000	36.99	-26.55	63.54	31.11	35.30	5.61	35.03	Average	---	---
3	11490.000	53.59	-29.95	83.54	43.38	38.29	6.36	34.44	Peak	---	---
4	11490.000	46.53	-17.01	63.54	36.32	38.29	6.36	34.44	Average	---	---
5	17235.000	48.51	-15.03	63.54	32.46	40.95	8.96	33.86	Average	---	---
6	17235.000	62.21	-21.33	83.54	46.16	40.95	8.96	33.86	Peak	---	---

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

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

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

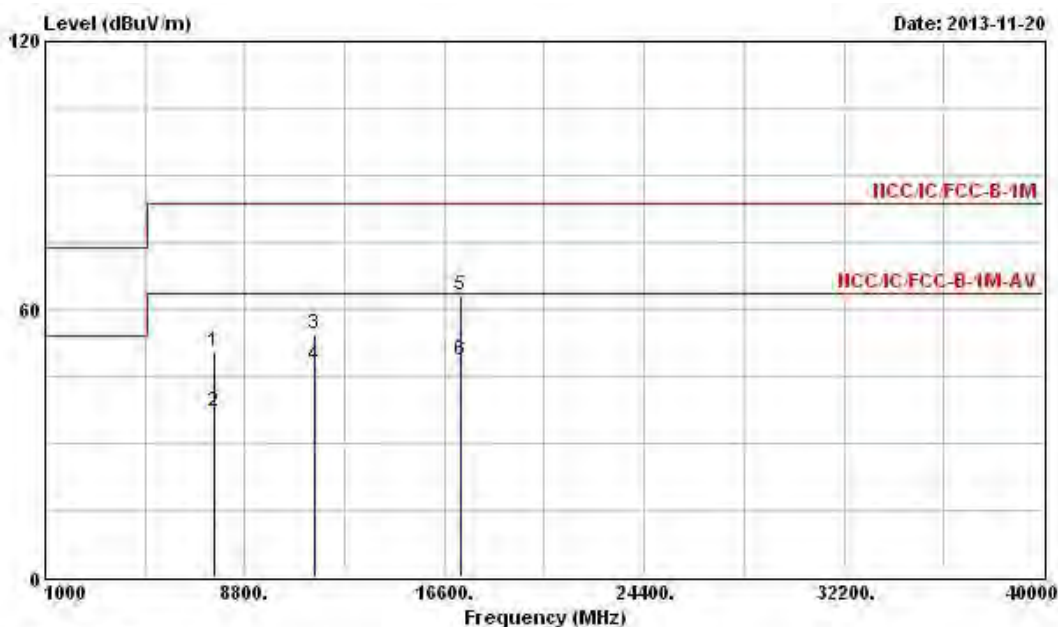
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (106.63 dBuV/m).



### Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT20 (Mode 2 )	Test Freq. (MHz)	5745
N <sub>TX</sub>	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	7608.000	50.58	-32.96	83.54	44.66	35.30	5.64	35.02	Peak	---	---
2	7608.000	37.18	-26.36	63.54	31.26	35.30	5.64	35.02	Average	---	---
3	11490.000	54.43	-29.11	83.54	44.22	38.29	6.36	34.44	Peak	---	---
4	11490.000	47.49	-16.05	63.54	37.28	38.29	6.36	34.44	Average	---	---
5	17235.000	63.09	-20.45	83.54	47.04	40.95	8.96	33.86	Peak	---	---
6	17235.000	48.52	-15.02	63.54	32.47	40.95	8.96	33.86	Average	---	---

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

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

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

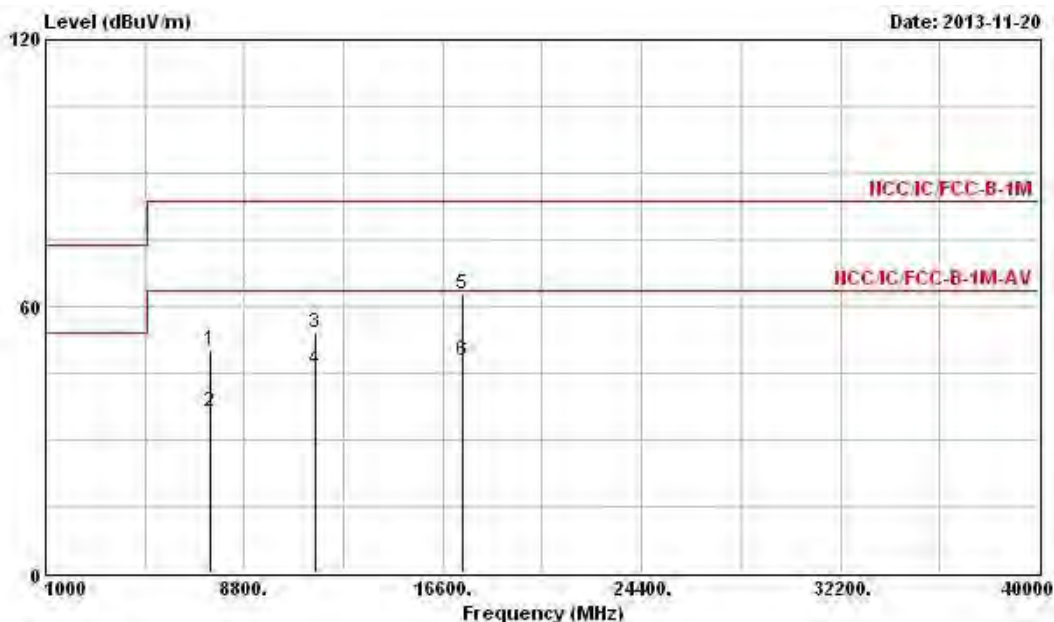
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (106.63 dBuV/m).



## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT20 (Mode 2 )	Test Freq. (MHz)	5785
N <sub>TX</sub>	1	Polarization	V



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	7476.000	50.13	-33.41	83.54	44.16	35.30	5.66	34.99	Peak	---	---
2	7476.000	36.43	-27.11	63.54	30.46	35.30	5.66	34.99	Average	---	---
3	11570.000	54.14	-29.40	83.54	43.87	38.36	6.44	34.53	Peak	---	---
4	11570.000	45.70	-17.84	63.54	35.43	38.36	6.44	34.53	Average	---	---
5	17355.000	62.83	-20.71	83.54	46.73	40.97	8.94	33.81	Peak	---	---
6	17355.000	47.86	-15.68	63.54	31.76	40.97	8.94	33.81	Average	---	---

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

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

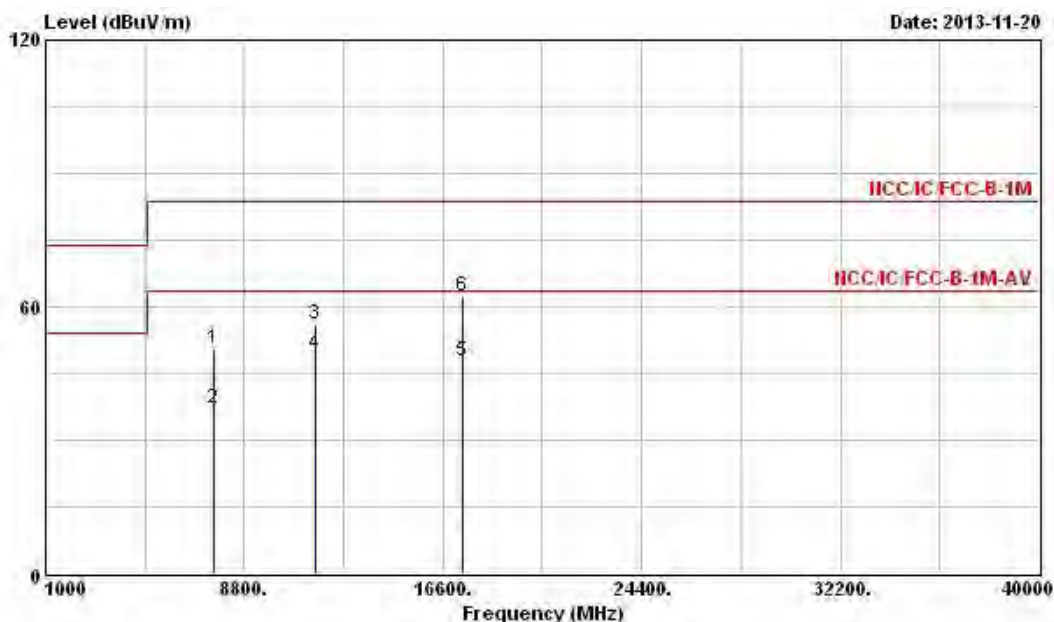
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (107.10 dBuV/m).

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT20 (Mode 2 )	Test Freq. (MHz)	5785
N <sub>TX</sub>	1	Polarization	H



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	7608.000	50.42	-33.12	83.54	44.50	35.30	5.64	35.02	Peak	---
2	7608.000	36.99	-26.55	63.54	31.07	35.30	5.64	35.02	Average	---
3	11570.000	56.06	-27.48	83.54	45.79	38.36	6.44	34.53	Peak	---
4	11570.000	49.37	-14.17	63.54	39.10	38.36	6.44	34.53	Average	---
5	17355.000	47.69	-15.85	63.54	31.59	40.97	8.94	33.81	Average	---
6	17355.000	62.36	-21.18	83.54	46.26	40.97	8.94	33.81	Peak	---

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

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

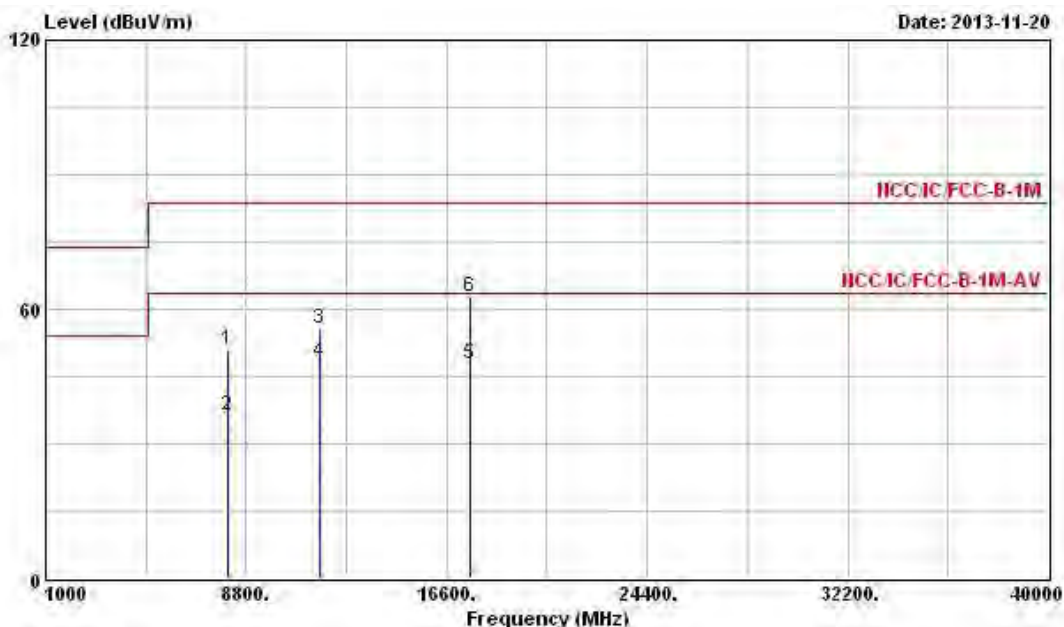
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (107.10 dBuV/m).

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT20 (Mode 2 )	Test Freq. (MHz)	5825
N <sub>TX</sub>	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	8052.000	50.90	-32.64	83.54	45.39	35.33	5.33	35.15	Peak	---	---
2	8052.000	36.31	-27.23	63.54	30.80	35.33	5.33	35.15	Average	---	---
3	11650.000	55.78	-27.76	83.54	45.43	38.41	6.52	34.58	Peak	---	---
4	11650.000	48.22	-15.32	63.54	37.87	38.41	6.52	34.58	Average	---	---
5	17475.000	47.71	-15.83	63.54	31.55	40.99	8.92	33.75	Average	---	---
6	17475.000	62.77	-20.77	83.54	46.61	40.99	8.92	33.75	Peak	---	---

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

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

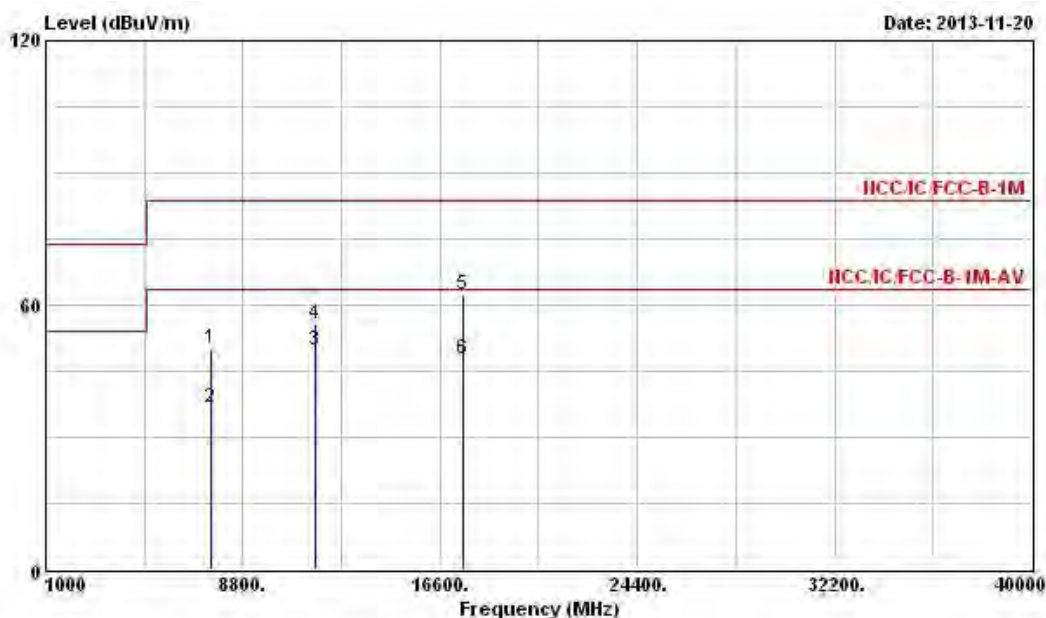
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (107.46 dBuV/m).

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT20 (Mode 2 )	Test Freq. (MHz)	5825
N <sub>TX</sub>	1	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	7524.000	50.25	-33.29	83.54	44.24	35.30	5.71	35.00	Peak	---
2	7524.000	36.69	-26.85	63.54	30.68	35.30	5.71	35.00	Average	---
3	11650.000	49.85	-13.69	63.54	39.50	38.41	6.52	34.58	Average	---
4	11650.000	55.57	-27.97	83.54	45.22	38.41	6.52	34.58	Peak	---
5	17475.000	62.27	-21.27	83.54	46.11	40.99	8.92	33.75	Peak	---
6	17475.000	47.68	-15.86	63.54	31.52	40.99	8.92	33.75	Average	---

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

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

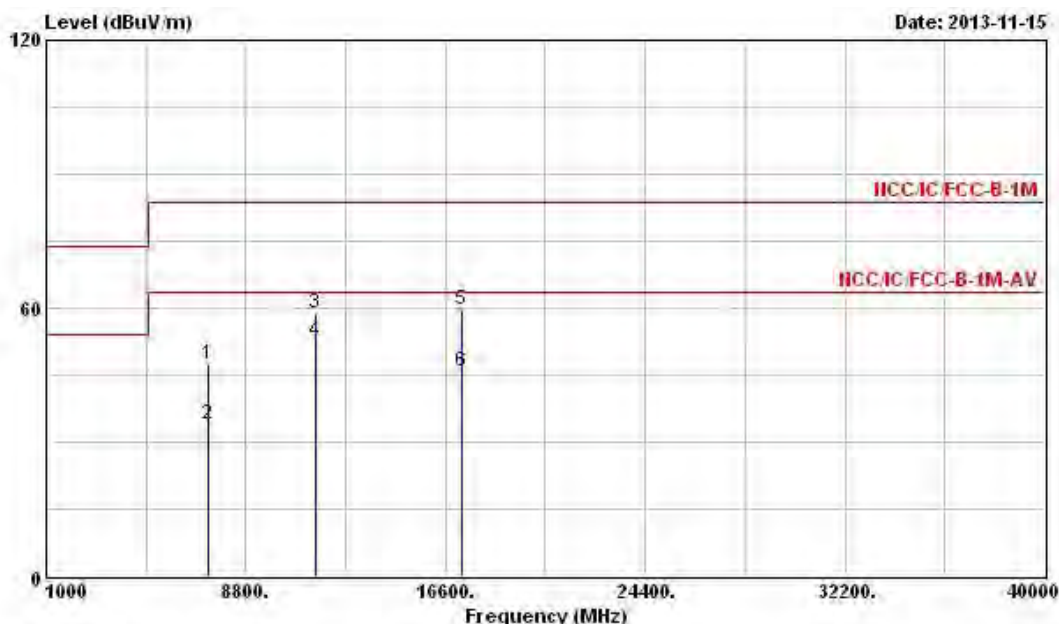
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (107.46 dBuV/m).

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT20 (Mode 3 )	Test Freq. (MHz)	5745
N <sub>TX</sub>	1	Polarization	V



	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	7332.000	47.31	-36.23	83.54	41.50	35.30	5.47	34.96	Peak	---	---
2	7332.000	33.88	-29.66	63.54	28.07	35.30	5.47	34.96	Average	---	---
3	11490.000	58.66	-24.88	83.54	48.45	38.29	6.36	34.44	Peak	---	---
4	11490.000	52.52	-11.02	63.54	42.31	38.29	6.36	34.44	Average	---	---
5	17235.000	59.70	-23.84	83.54	43.65	40.95	8.96	33.86	Peak	---	---
6	17235.000	45.96	-17.58	63.54	29.91	40.95	8.96	33.86	Average	---	---

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

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

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

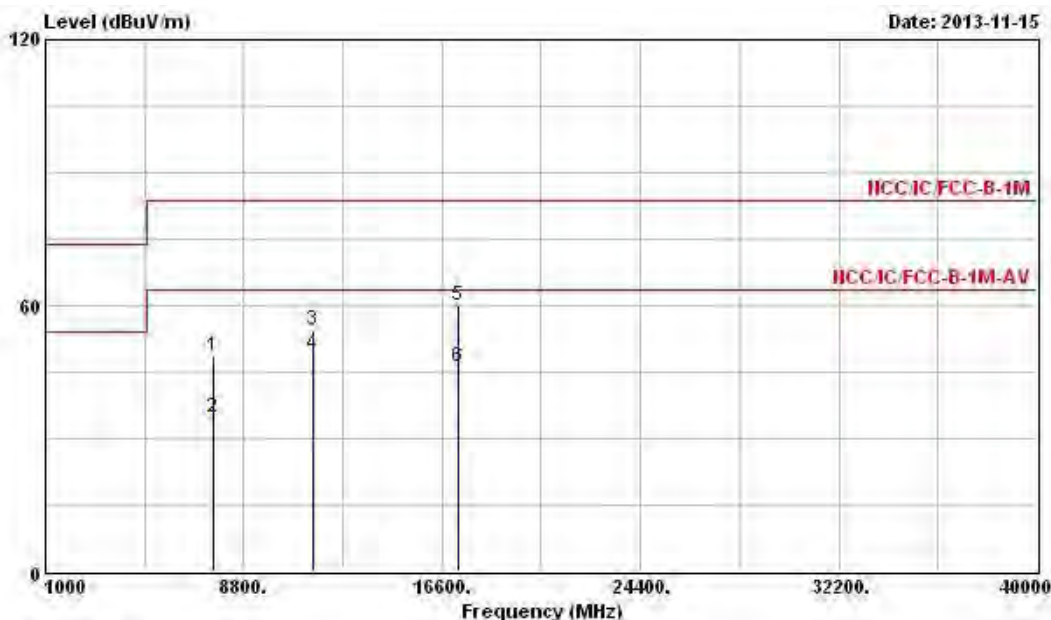
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (108.17 dBuV/m).



## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT20 (Mode 3 )	Test Freq. (MHz)	5745
N <sub>TX</sub>	1	Polarization	H



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	7620.000	48.44	-35.10	83.54	42.56	35.30	5.61	35.03	Peak	---
2	7620.000	34.83	-28.71	63.54	28.95	35.30	5.61	35.03	Average	---
3	11490.000	54.58	-28.96	83.54	44.37	38.29	6.36	34.44	Peak	---
4	11490.000	49.07	-14.47	63.54	38.86	38.29	6.36	34.44	Average	---
5	17235.000	59.99	-23.55	83.54	43.94	40.95	8.96	33.86	Peak	---
6	17235.000	46.14	-17.40	63.54	30.09	40.95	8.96	33.86	Average	---

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

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

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

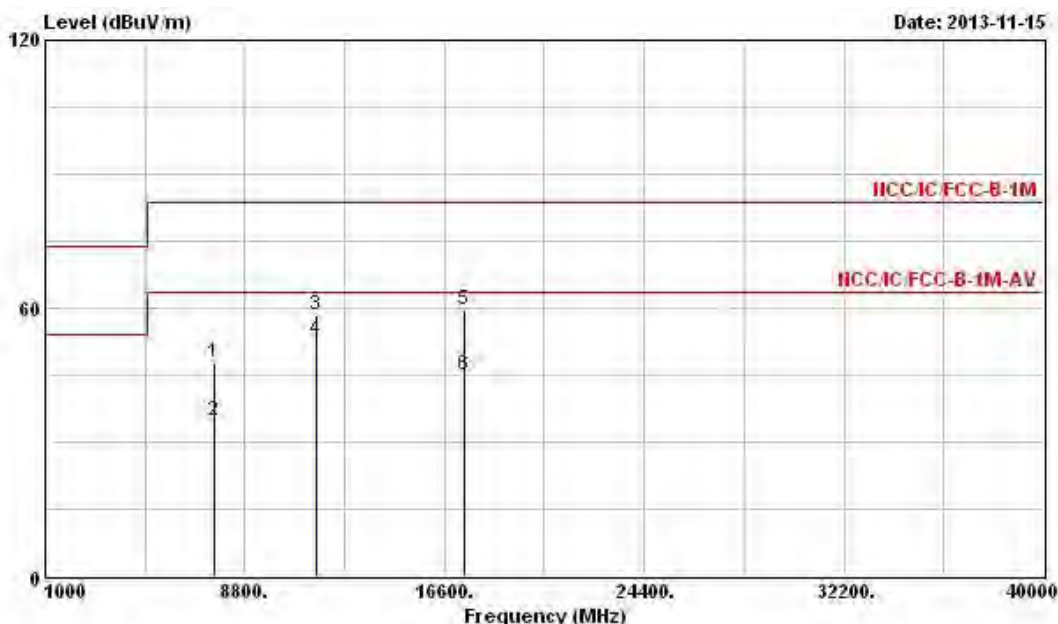
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (108.17 dBuV/m).



### Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT20 (Mode 3 )	Test Freq. (MHz)	5785
N <sub>TX</sub>	1	Polarization	V



	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	7608.000	47.61	-35.93	83.54	41.69	35.30	5.64	35.02	Peak	---	---
2	7608.000	34.79	-28.75	63.54	28.87	35.30	5.64	35.02	Average	---	---
3	11570.000	58.29	-25.25	83.54	48.02	38.36	6.44	34.53	Peak	---	---
4	11570.000	52.73	-10.81	63.54	42.46	38.36	6.44	34.53	Average	---	---
5	17355.000	59.69	-23.85	83.54	43.59	40.97	8.94	33.81	Peak	---	---
6	17355.000	45.17	-18.37	63.54	29.07	40.97	8.94	33.81	Average	---	---

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

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

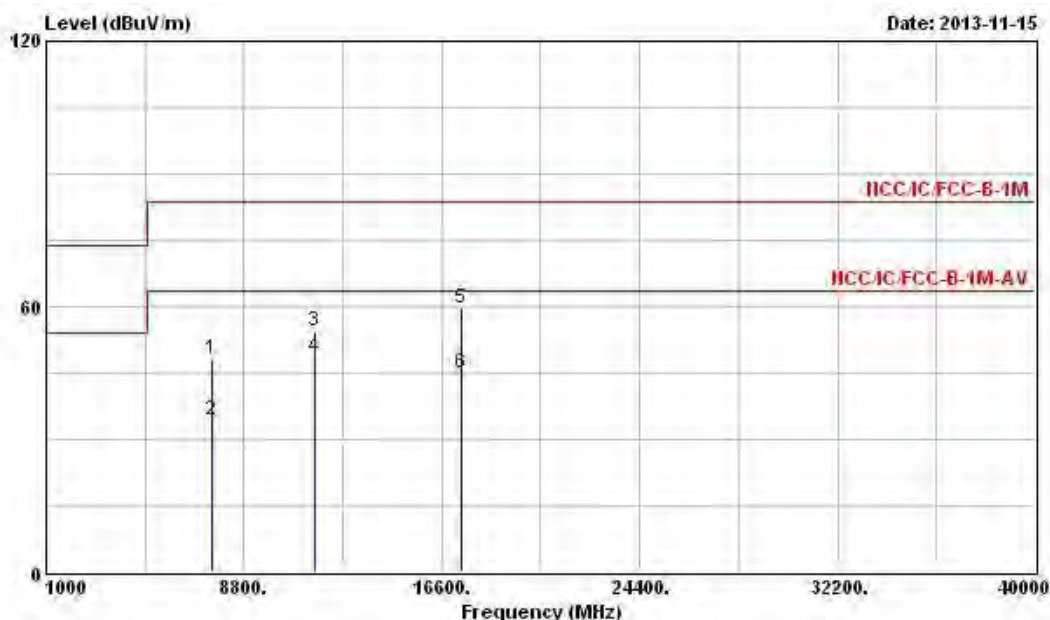
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (108.42 dBuV/m).

### Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT20 (Mode 3 )	Test Freq. (MHz)	5785
N <sub>TX</sub>	1	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	7560.000	48.33	-35.21	83.54	42.36	35.30	5.68	35.01 Peak	---	---
2	7560.000	34.42	-29.12	63.54	28.45	35.30	5.68	35.01 Average	---	---
3	11570.000	54.28	-29.26	83.54	44.01	38.36	6.44	34.53 Peak	---	---
4	11570.000	48.49	-15.05	63.54	38.22	38.36	6.44	34.53 Average	---	---
5	17355.000	59.59	-23.95	83.54	43.49	40.97	8.94	33.81 Peak	---	---
6	17355.000	45.13	-18.41	63.54	29.03	40.97	8.94	33.81 Average	---	---

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

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

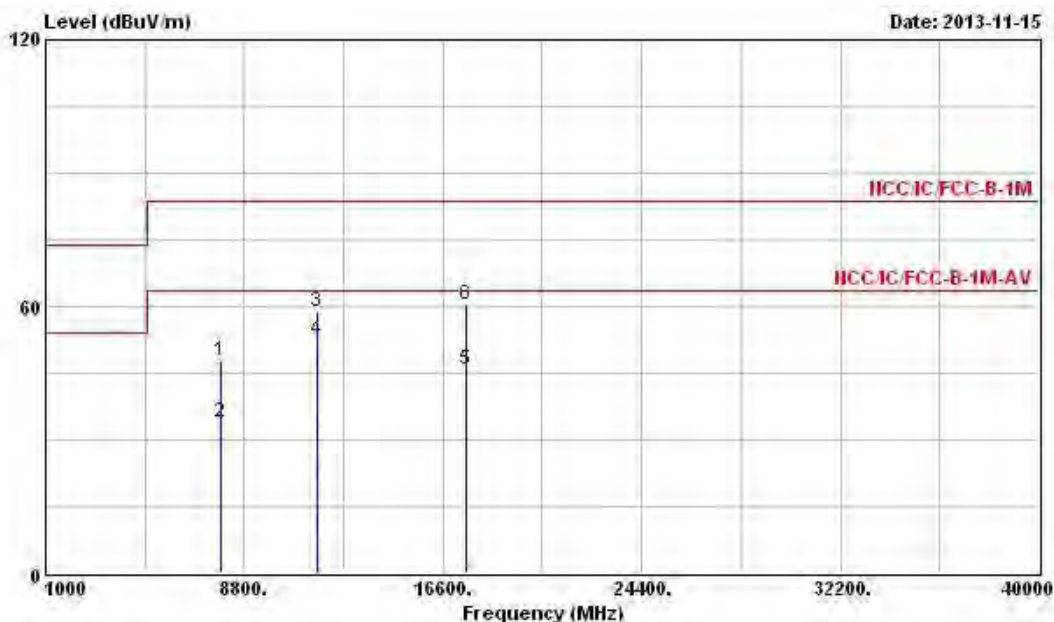
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (108.42 dBuV/m).

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT20 (Mode 3 )	Test Freq. (MHz)	5825
N <sub>TX</sub>	1	Polarization	V



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	7896.000	47.70	-35.84	83.54	42.14	35.30	5.38	35.12 Peak	---	---
2	7896.000	33.83	-29.71	63.54	28.27	35.30	5.38	35.12 Average	---	---
3	11640.000	58.72	-24.82	83.54	48.36	38.41	6.52	34.57 Peak	---	---
4	11640.000	52.50	-11.04	63.54	42.14	38.41	6.52	34.57 Average	---	---
5	17475.000	45.61	-17.93	63.54	29.45	40.99	8.92	33.75 Average	---	---
6	17475.000	60.22	-23.32	83.54	44.06	40.99	8.92	33.75 Peak	---	---

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

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

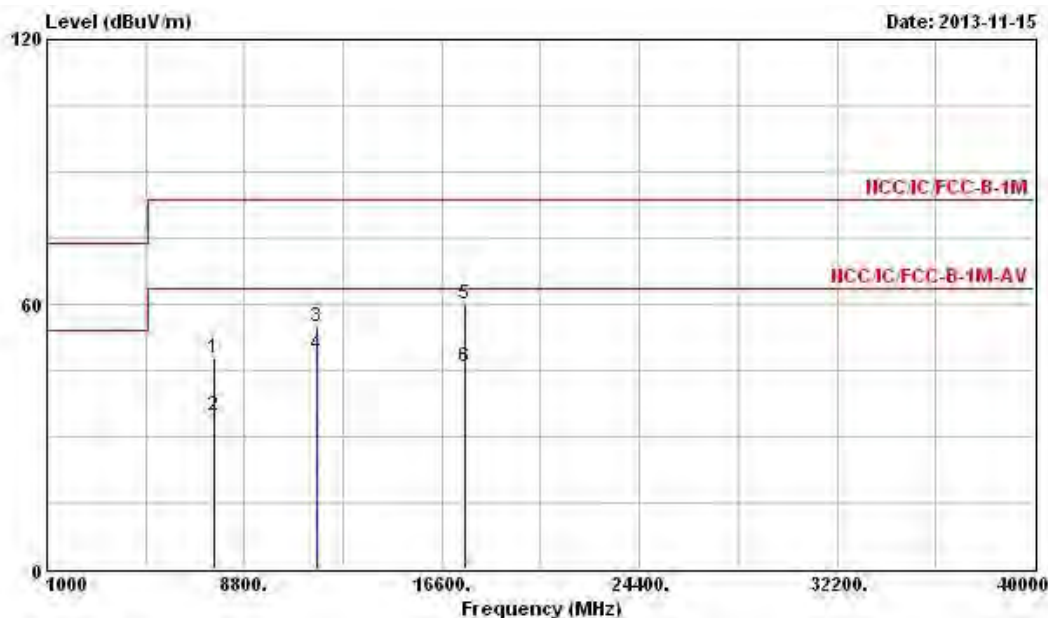
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (108.82 dBuV/m).

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT20 (Mode 3 )	Test Freq. (MHz)	5825
N <sub>TX</sub>	1	Polarization	H



	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	7608.000	47.92	-35.62	83.54	42.00	35.30	5.64	35.02	Peak	---	---
2	7608.000	34.82	-28.72	63.54	28.90	35.30	5.64	35.02	Average	---	---
3	11650.000	54.84	-28.70	83.54	44.49	38.41	6.52	34.58	Peak	---	---
4	11650.000	48.64	-14.90	63.54	38.29	38.41	6.52	34.58	Average	---	---
5	17475.000	60.14	-23.40	83.54	43.98	40.99	8.92	33.75	Peak	---	---
6	17475.000	45.63	-17.91	63.54	29.47	40.99	8.92	33.75	Average	---	---

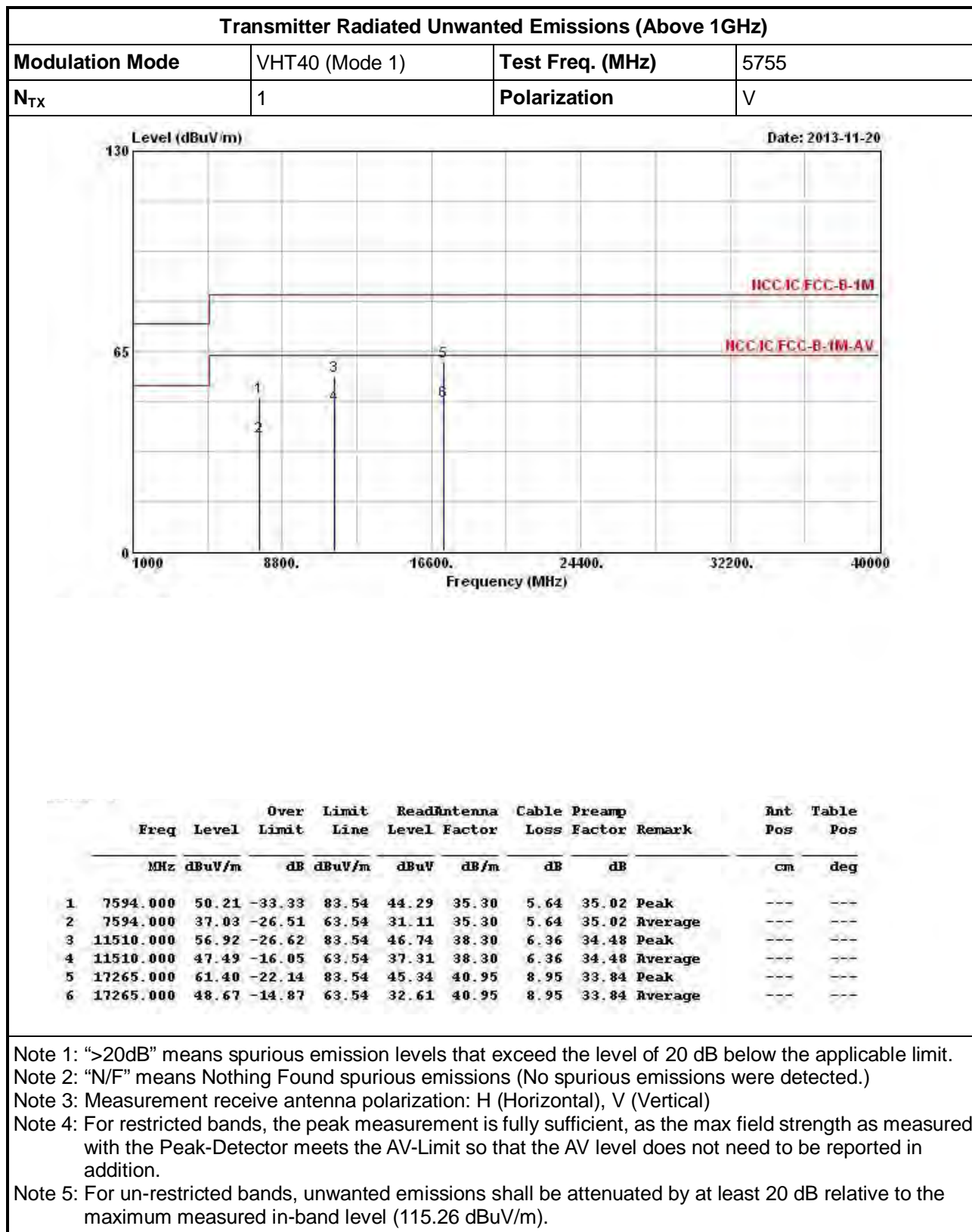
Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

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

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

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

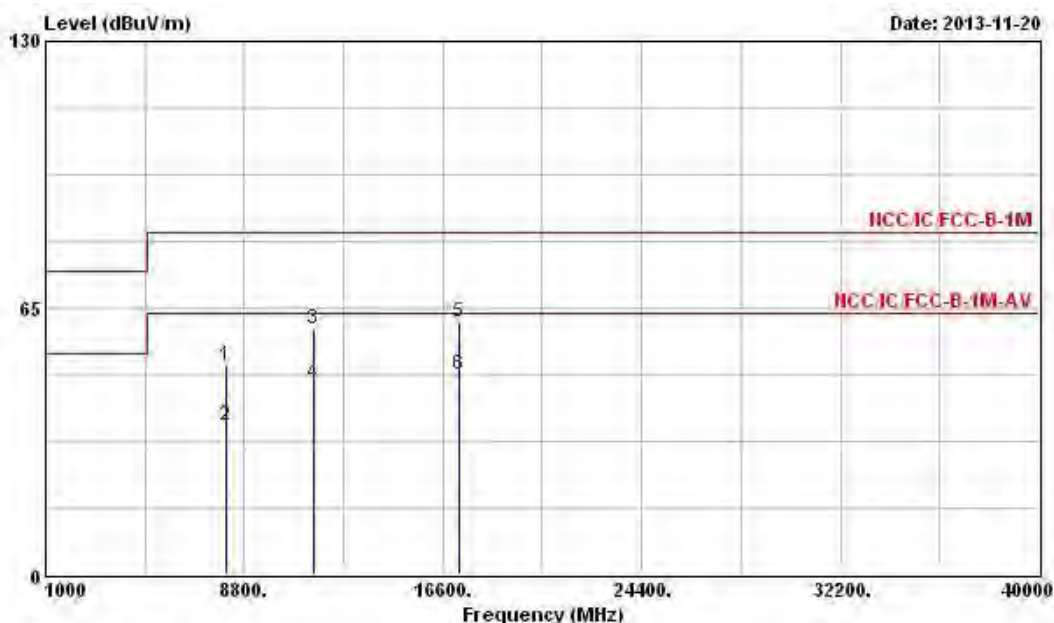
Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (108.82 dBuV/m).

**3.6.11 Transmitter Radiated Unwanted Emissions (Above 1GHz) for VHT40**




## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT40 (Mode 1)	Test Freq. (MHz)	5755
N <sub>TX</sub>	1	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	8100.000	51.01	-32.53	83.54	45.45	35.36	5.35	35.15 Peak	---	---
2	8100.000	36.46	-27.08	63.54	30.90	35.36	5.35	35.15 Average	---	---
3	11510.000	59.70	-23.84	83.54	49.52	38.30	6.36	34.48 Peak	---	---
4	11510.000	46.79	-16.75	63.54	36.61	38.30	6.36	34.48 Average	---	---
5	17265.000	61.65	-21.89	83.54	45.59	40.95	8.95	33.84 Peak	---	---
6	17265.000	48.71	-14.83	63.54	32.65	40.95	8.95	33.84 Average	---	---

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

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

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

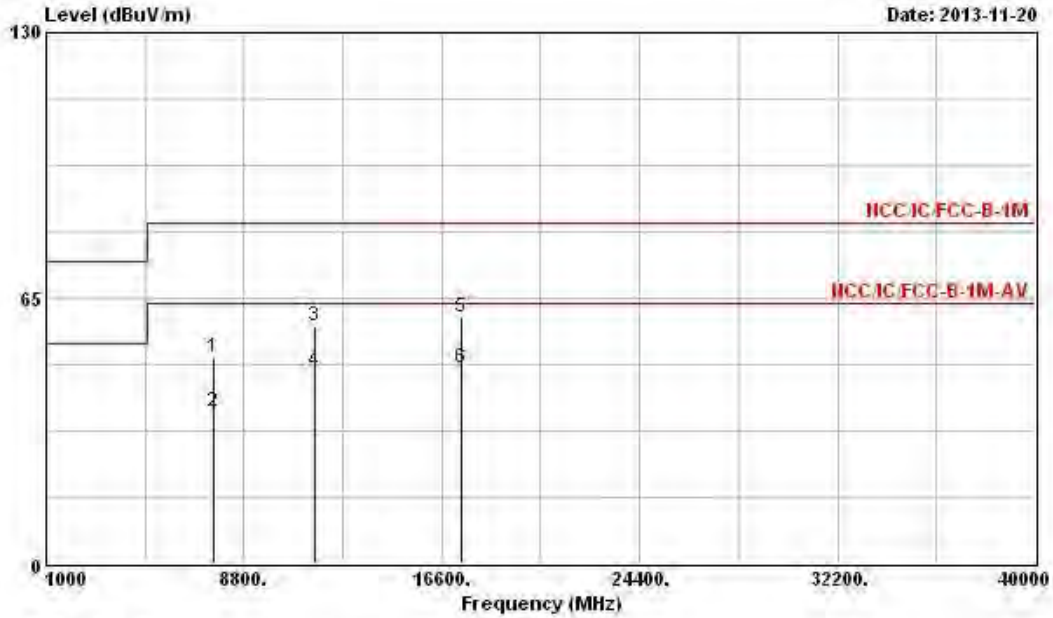
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (115.26 dBuV/m).



## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT40 (Mode 1)	Test Freq. (MHz)	5795
N <sub>TX</sub>	1	Polarization	V

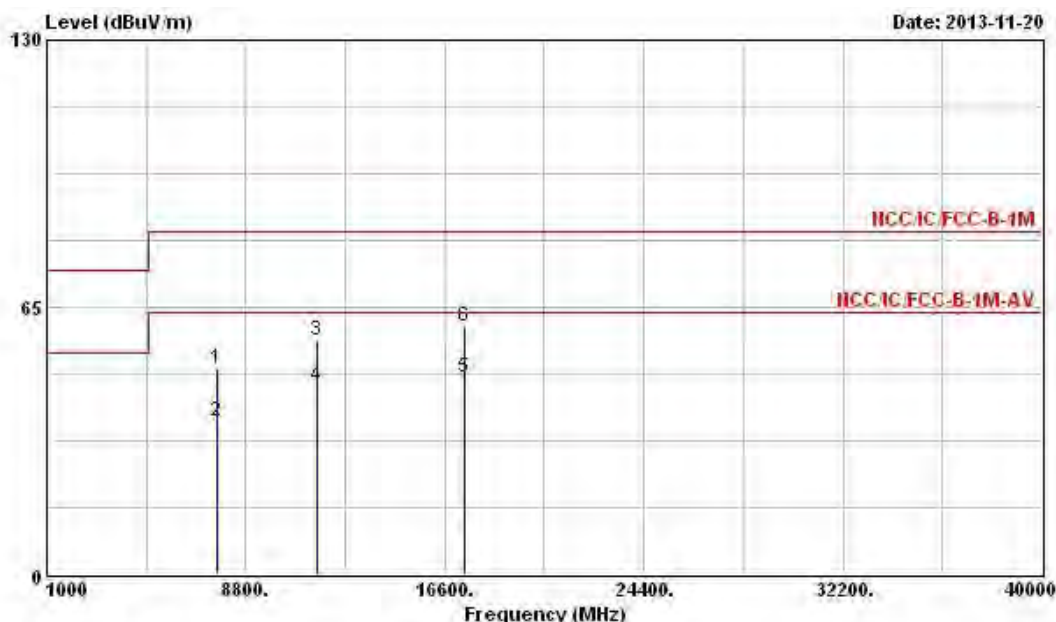


	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	7605.000	50.45	-33.09	83.54	44.53	35.30	5.64	35.02	Peak	---
2	7605.000	37.11	-26.43	63.54	31.19	35.30	5.64	35.02	Average	---
3	11590.000	58.25	-25.29	83.54	47.93	38.37	6.48	34.53	Peak	---
4	11590.000	47.23	-16.31	63.54	36.91	38.37	6.48	34.53	Average	---
5	17385.000	60.43	-23.11	83.54	44.31	40.98	8.93	33.79	Peak	---
6	17385.000	47.96	-15.58	63.54	31.84	40.98	8.93	33.79	Average	---

- Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.  
 Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)  
 Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)  
 Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.  
 Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (115.58 dBuV/m).

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT40 (Mode 1)	Test Freq. (MHz)	5795
N <sub>TX</sub>	1	Polarization	H



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	7638.000	50.20	-33.34	83.54	44.32	35.30	5.61	35.03	Peak	---	---
2	7638.000	37.01	-26.53	63.54	31.13	35.30	5.61	35.03	Average	---	---
3	11590.000	56.99	-26.55	83.54	46.67	38.37	6.48	34.53	Peak	---	---
4	11590.000	45.90	-17.64	63.54	35.58	38.37	6.48	34.53	Average	---	---
5	17385.000	47.88	-15.66	63.54	31.76	40.98	8.93	33.79	Average	---	---
6	17385.000	60.32	-23.22	83.54	44.20	40.98	8.93	33.79	Peak	---	---

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

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

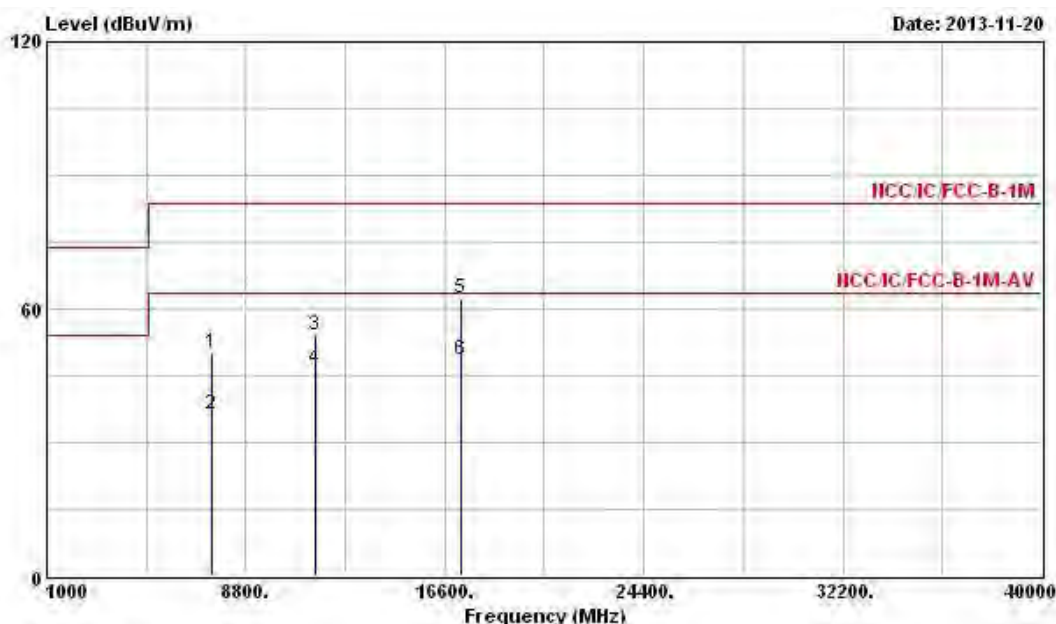
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (115.58 dBuV/m).

**Transmitter Radiated Unwanted Emissions (Above 1GHz)**

<b>Modulation Mode</b>	VHT40 (Mode 2)	<b>Test Freq. (MHz)</b>	5755
<b>N<sub>TX</sub></b>	1	<b>Polarization</b>	V



	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	7476.000	50.21	-33.33	83.54	44.24	35.30	5.66	34.99	Peak	---
2	7476.000	36.29	-27.25	63.54	30.32	35.30	5.66	34.99	Average	---
3	11510.000	54.09	-29.45	83.54	43.91	38.30	6.36	34.48	Peak	---
4	11510.000	46.59	-16.95	63.54	36.41	38.30	6.36	34.48	Average	---
5	17265.000	62.49	-21.05	83.54	46.43	40.95	8.95	33.84	Peak	---
6	17265.000	48.36	-15.18	63.54	32.30	40.95	8.95	33.84	Average	---

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

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

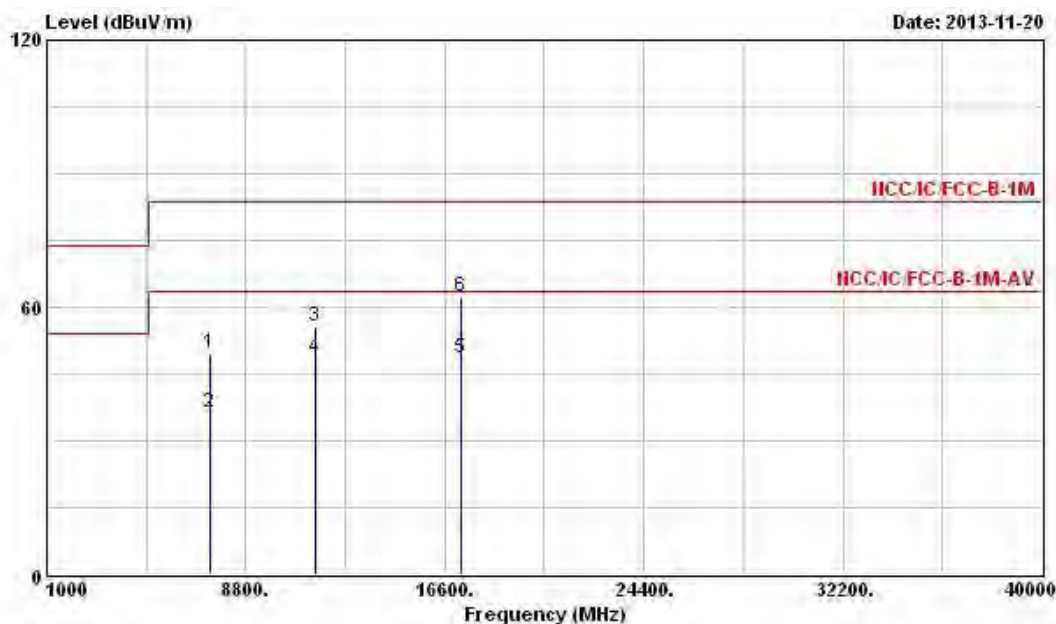
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (108.41 dBuV/m).

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT40 (Mode 2)	Test Freq. (MHz)	5755
N <sub>TX</sub>	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	7416.000	49.78	-33.76	83.54	43.85	35.30	5.61	34.98	Peak	---	---
2	7416.000	36.39	-27.15	63.54	30.46	35.30	5.61	34.98	Average	---	---
3	11510.000	55.51	-28.03	83.54	45.33	38.30	6.36	34.48	Peak	---	---
4	11510.000	48.36	-15.18	63.54	38.18	38.30	6.36	34.48	Average	---	---
5	17265.000	48.37	-15.17	63.54	32.31	40.95	8.95	33.84	Average	---	---
6	17265.000	62.56	-20.98	83.54	46.50	40.95	8.95	33.84	Peak	---	---

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

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

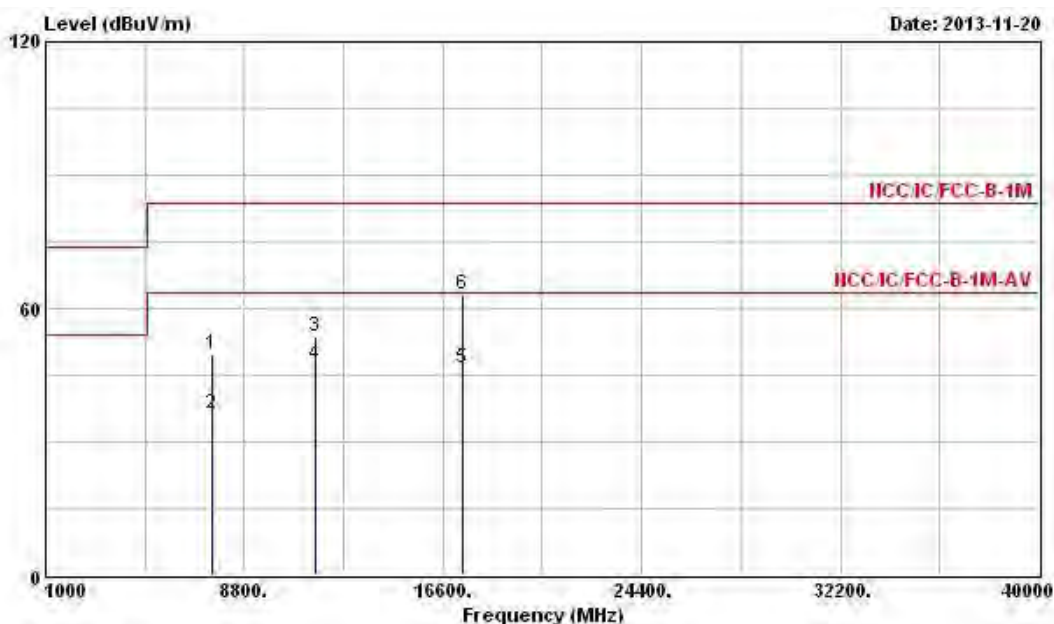
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (108.41 dBuV/m).

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT40 (Mode 2)	Test Freq. (MHz)	5795
N <sub>TX</sub>	1	Polarization	V



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	7524.000	49.87	-33.67	83.54	43.86	35.30	5.71	35.00	Peak	---	---
2	7524.000	36.51	-27.03	63.54	30.50	35.30	5.71	35.00	Average	---	---
3	11590.000	53.57	-29.97	83.54	43.25	38.37	6.48	34.53	Peak	---	---
4	11590.000	47.21	-16.33	63.54	36.89	38.37	6.48	34.53	Average	---	---
5	17385.000	46.45	-17.09	63.54	30.33	40.98	8.93	33.79	Average	---	---
6	17385.000	63.03	-20.51	83.54	46.91	40.98	8.93	33.79	Peak	---	---

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

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

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

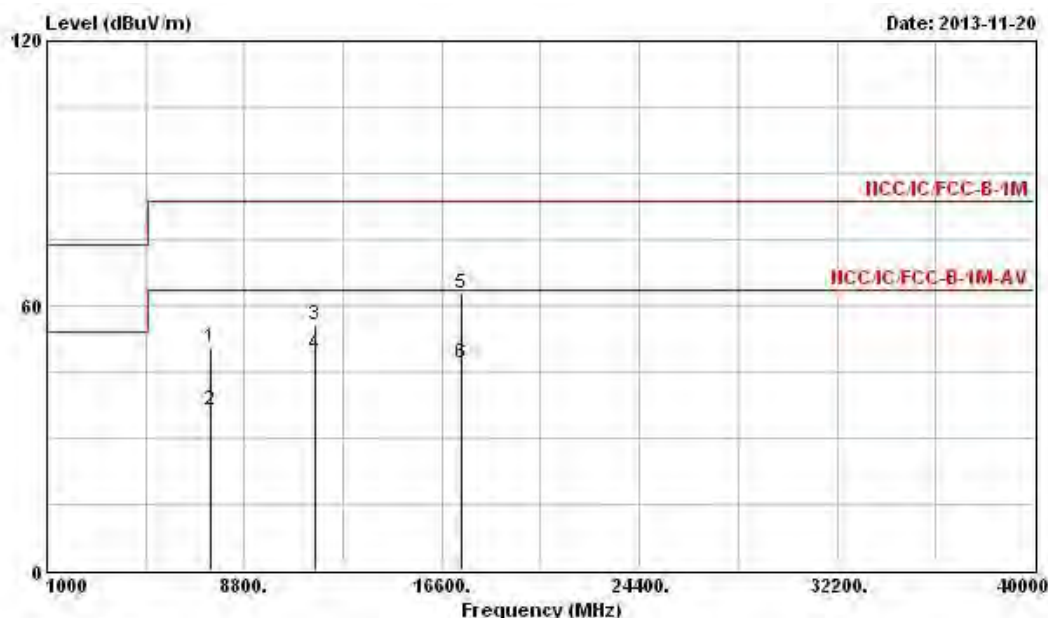
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (108.60 dBuV/m).



## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT40 (Mode 2)	Test Freq. (MHz)	5795
N <sub>TX</sub>	1	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	7464.000	50.45	-33.09	83.54	44.47	35.30	5.66	34.98	Peak	---
2	7464.000	36.31	-27.23	63.54	30.33	35.30	5.66	34.98	Average	---
3	11590.000	55.46	-28.08	83.54	45.14	38.37	6.48	34.53	Peak	---
4	11590.000	48.84	-14.70	63.54	38.52	38.37	6.48	34.53	Average	---
5	17385.000	62.63	-20.91	83.54	46.51	40.98	8.93	33.79	Peak	---
6	17385.000	47.03	-16.51	63.54	30.91	40.98	8.93	33.79	Average	---

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

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

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

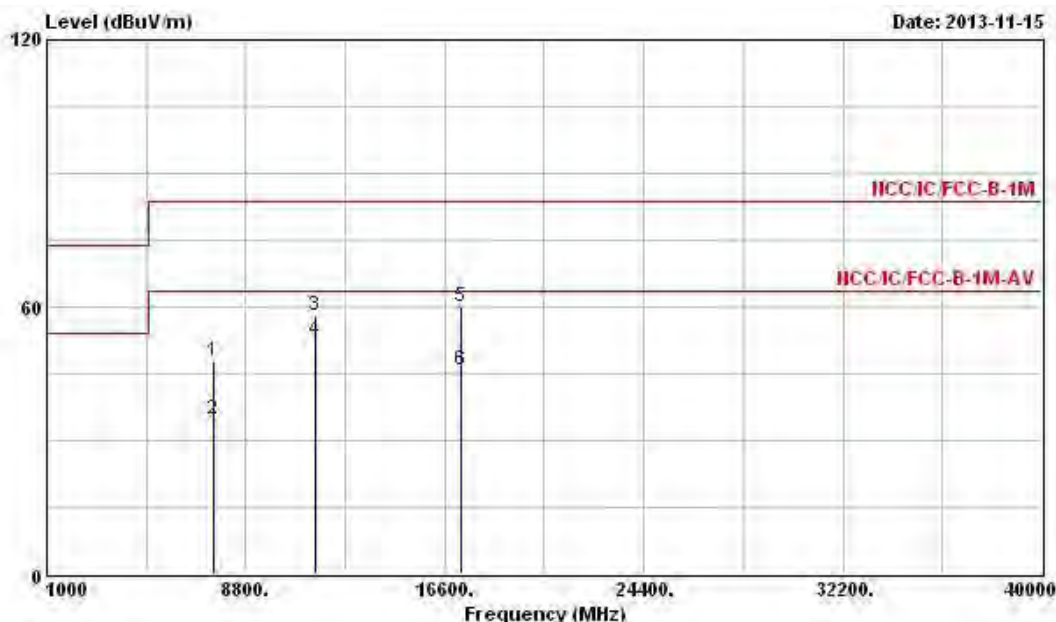
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (108.60 dBuV/m).



## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT40 (Mode 3)	Test Freq. (MHz)	5755
N <sub>TX</sub>	1	Polarization	V



	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	7560.000	47.94	-35.60	83.54	41.97	35.30	5.68	35.01 Peak	---	---
2	7560.000	34.55	-28.99	63.54	28.58	35.30	5.68	35.01 Average	---	---
3	11510.000	58.01	-25.53	83.54	47.83	38.30	6.36	34.48 Peak	---	---
4	11510.000	52.43	-11.11	63.54	42.25	38.30	6.36	34.48 Average	---	---
5	17265.000	59.99	-23.55	83.54	43.93	40.95	8.95	33.84 Peak	---	---
6	17265.000	45.98	-17.56	63.54	29.92	40.95	8.95	33.84 Average	---	---

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

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

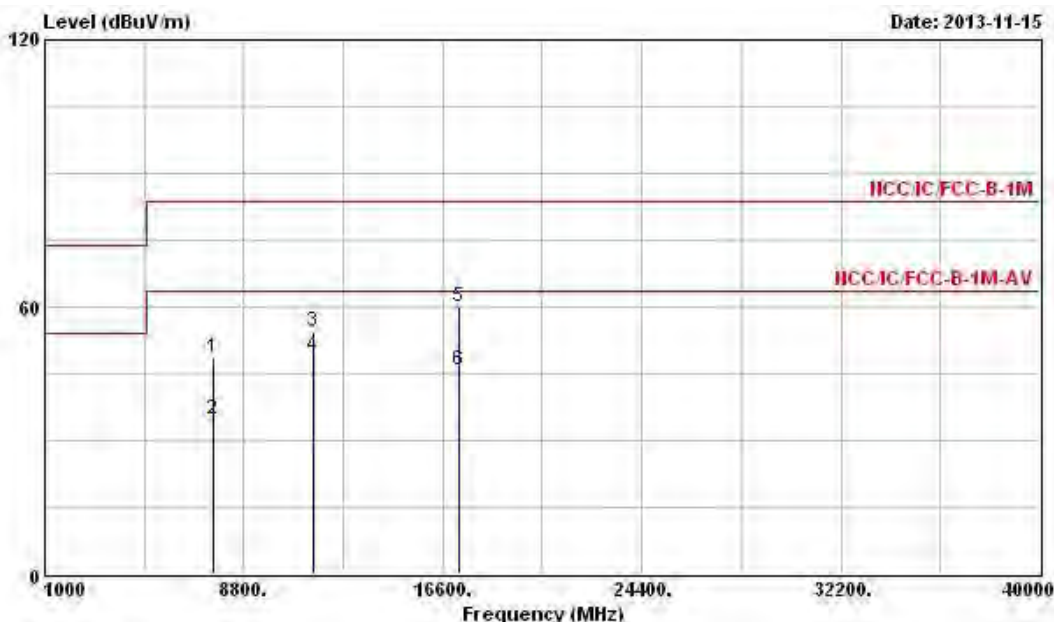
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (105.92 dBuV/m).

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT40 (Mode 3)	Test Freq. (MHz)	5755
N <sub>TX</sub>	1	Polarization	H



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	7608.000	48.59	-34.95	83.54	42.67	35.30	5.64	35.02	Peak	---	---
2	7608.000	34.72	-28.82	63.54	28.80	35.30	5.64	35.02	Average	---	---
3	11510.000	54.39	-29.15	83.54	44.21	38.30	6.36	34.48	Peak	---	---
4	11510.000	48.76	-14.78	63.54	38.58	38.30	6.36	34.48	Average	---	---
5	17265.000	59.82	-23.72	83.54	43.76	40.95	8.95	33.84	Peak	---	---
6	17265.000	45.95	-17.59	63.54	29.89	40.95	8.95	33.84	Average	---	---

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

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

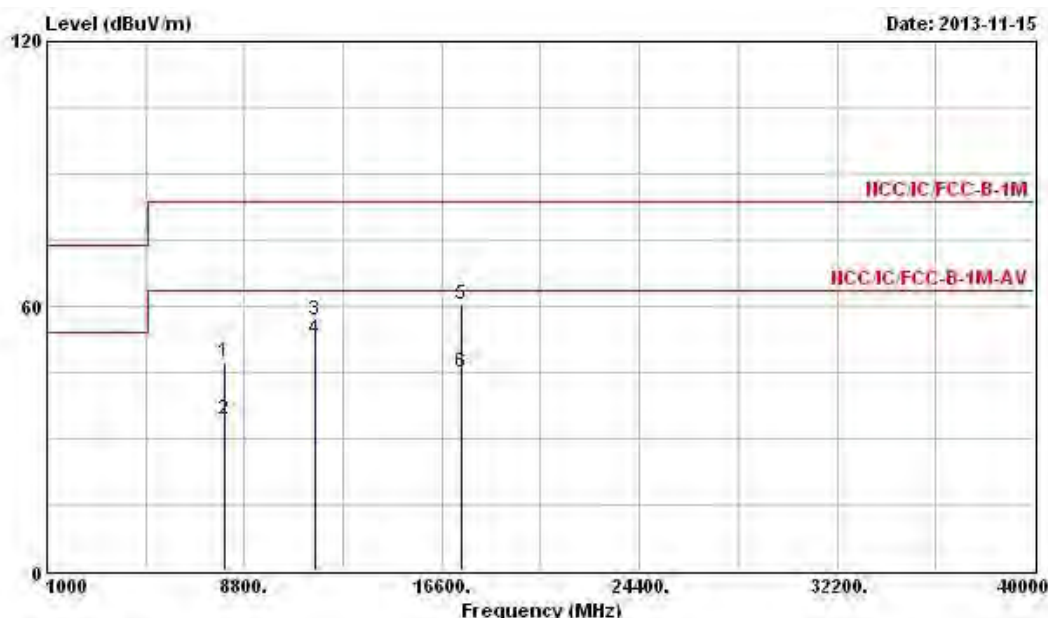
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (105.92 dBuV/m).

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT40 (Mode 3)	Test Freq. (MHz)	5795
N <sub>TX</sub>	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	8040.000	47.42	-36.12	83.54	41.93	35.32	5.33	35.16	Peak	---	---
2	8040.000	34.25	-29.29	63.54	28.76	35.32	5.33	35.16	Average	---	---
3	11590.000	56.93	-26.61	83.54	46.61	38.37	6.48	34.53	Peak	---	---
4	11590.000	52.58	-10.96	63.54	42.26	38.37	6.48	34.53	Average	---	---
5	17385.000	60.30	-23.24	83.54	44.18	40.98	8.93	33.79	Peak	---	---
6	17385.000	45.04	-18.50	63.54	28.92	40.98	8.93	33.79	Average	---	---

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

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

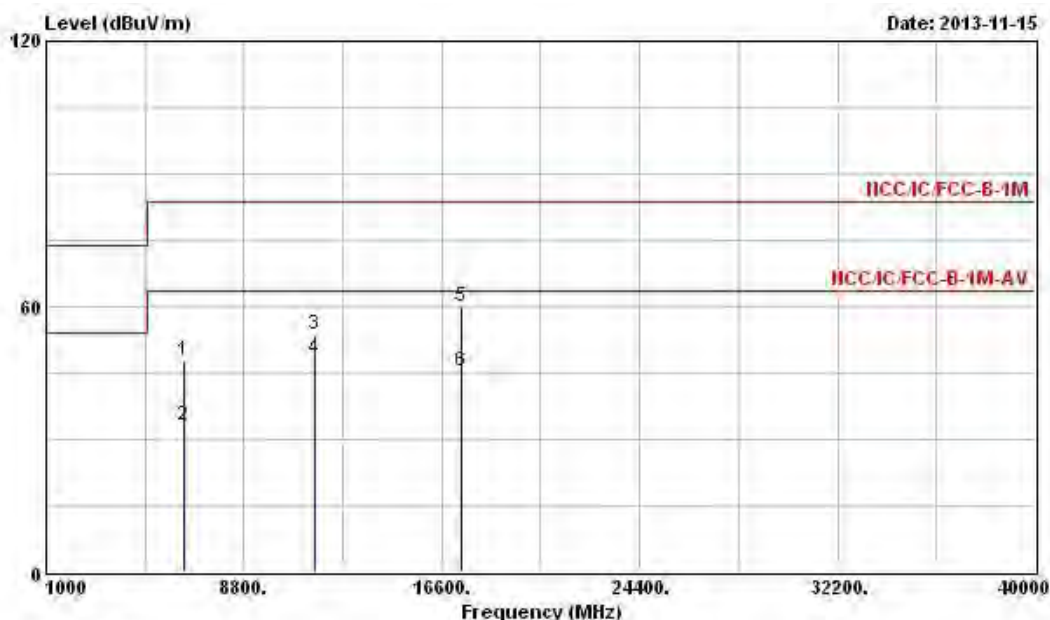
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (105.71 dBuV/m).

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT40 (Mode 3)	Test Freq. (MHz)	5795
N <sub>TX</sub>	1	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	6468.000	47.69	-35.85	83.54	42.01	35.18	5.27	34.77	Peak	---
2	6468.000	33.05	-30.49	63.54	27.37	35.18	5.27	34.77	Average	---
3	11590.000	53.86	-29.68	83.54	43.54	38.37	6.48	34.53	Peak	---
4	11590.000	48.09	-15.45	63.54	37.77	38.37	6.48	34.53	Average	---
5	17385.000	60.05	-23.49	83.54	43.93	40.98	8.93	33.79	Peak	---
6	17385.000	45.32	-18.22	63.54	29.20	40.98	8.93	33.79	Average	---

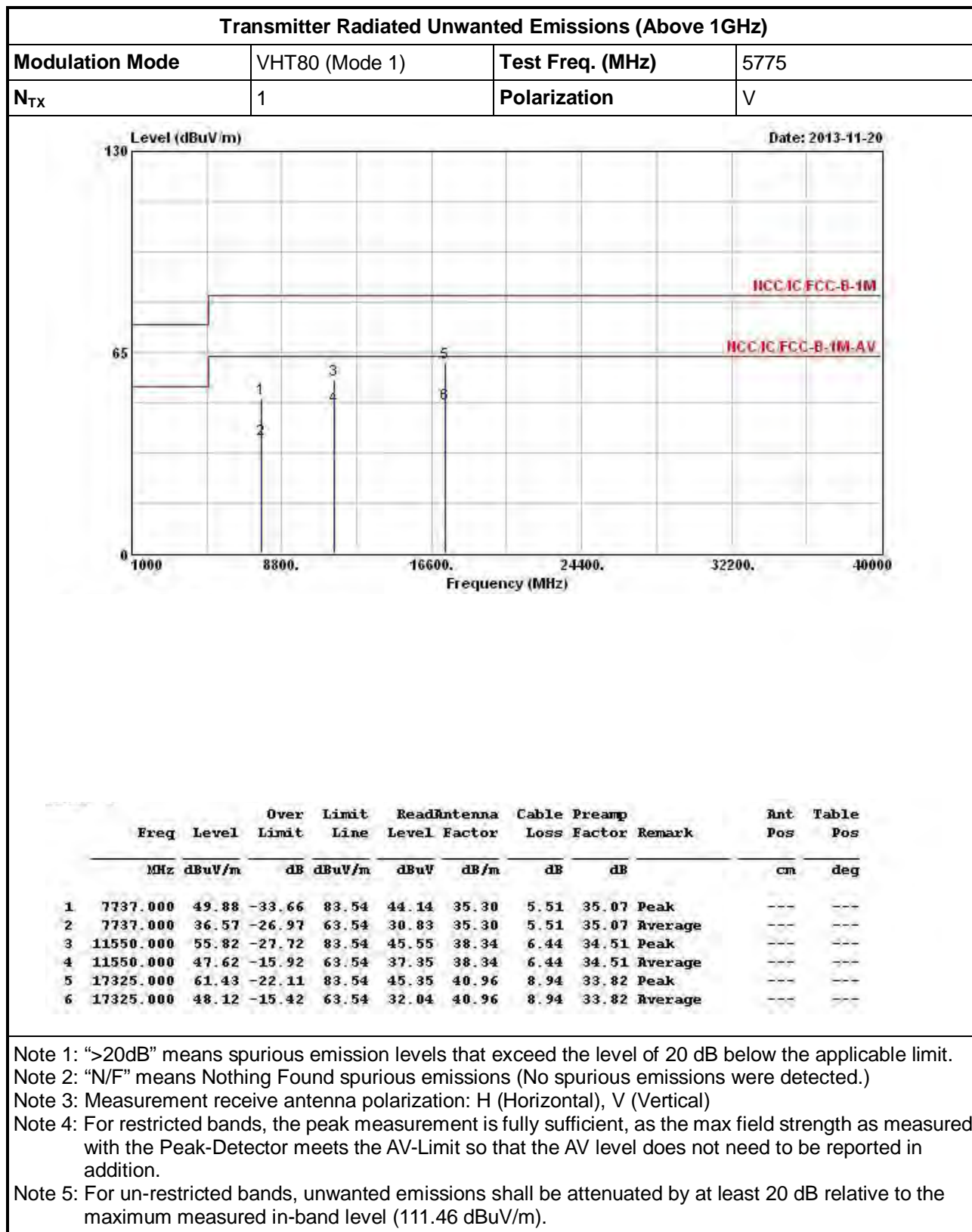
Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

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

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

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

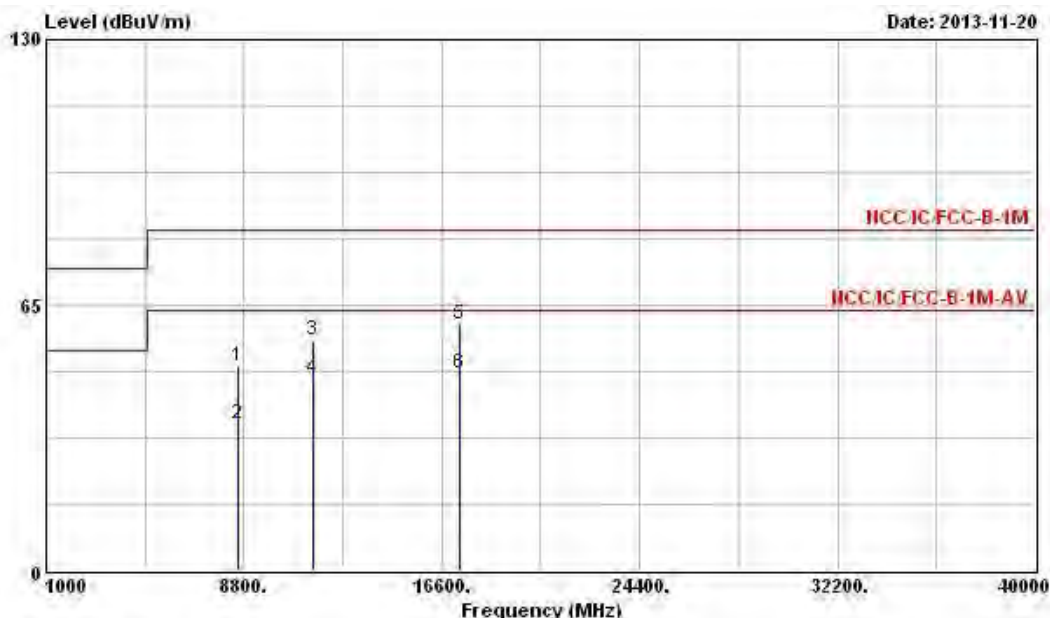
Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (105.71 dBuV/m).

**3.6.12 Transmitter Radiated Unwanted Emissions (Above 1GHz) for VHT80**




## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT80 (Mode 1)	Test Freq. (MHz)	5775
N <sub>TX</sub>	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	8573.000	49.94	-33.60	83.54	43.87	35.64	5.54	35.11	Peak	---	---
2	8573.000	36.11	-27.43	63.54	30.04	35.64	5.54	35.11	Average	---	---
3	11550.000	56.53	-27.01	83.54	46.26	38.34	6.44	34.51	Peak	---	---
4	11550.000	47.00	-16.54	63.54	36.73	38.34	6.44	34.51	Average	---	---
5	17325.000	60.48	-23.06	83.54	44.40	40.96	8.94	33.82	Peak	---	---
6	17325.000	48.23	-15.31	63.54	32.15	40.96	8.94	33.82	Average	---	---

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

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

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

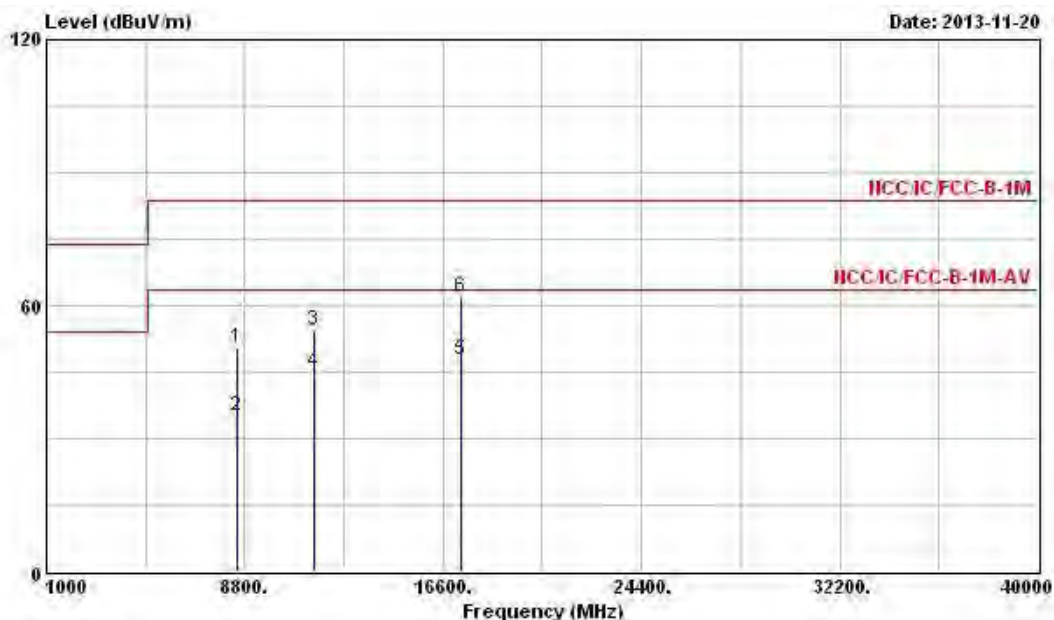
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (111.46 dBuV/m).



## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT80 (Mode 2)	Test Freq. (MHz)	5775
N <sub>TX</sub>	1	Polarization	V



	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	8472.000	50.49	-33.05	83.54	44.53	35.59	5.46	35.09 Peak	---	---
2	8472.000	35.19	-28.35	63.54	29.23	35.59	5.46	35.09 Average	---	---
3	11550.000	54.57	-28.97	83.54	44.30	38.34	6.44	34.51 Peak	---	---
4	11550.000	45.08	-18.46	63.54	34.81	38.34	6.44	34.51 Average	---	---
5	17325.000	47.83	-15.71	63.54	31.75	40.96	8.94	33.82 Average	---	---
6	17325.000	61.82	-21.72	83.54	45.74	40.96	8.94	33.82 Peak	---	---

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

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

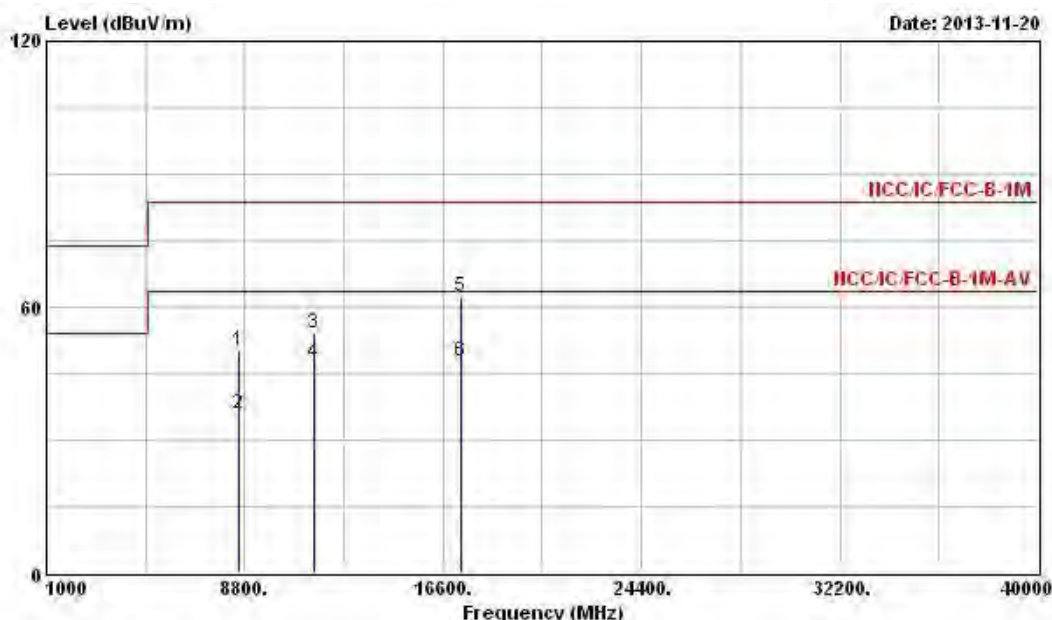
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (106.21 dBuV/m).

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT80 (Mode 2)	Test Freq. (MHz)	5775
N <sub>TX</sub>	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	8532.000	50.26	-33.28	83.54	44.24	35.62	5.50	35.10	Peak	---	---
2	8532.000	36.08	-27.46	63.54	30.06	35.62	5.50	35.10	Average	---	---
3	11550.000	54.16	-29.38	83.54	43.89	38.34	6.44	34.51	Peak	---	---
4	11550.000	47.29	-16.25	63.54	37.02	38.34	6.44	34.51	Average	---	---
5	17325.000	62.43	-21.11	83.54	46.35	40.96	8.94	33.82	Peak	---	---
6	17325.000	47.89	-15.65	63.54	31.81	40.96	8.94	33.82	Average	---	---

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

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

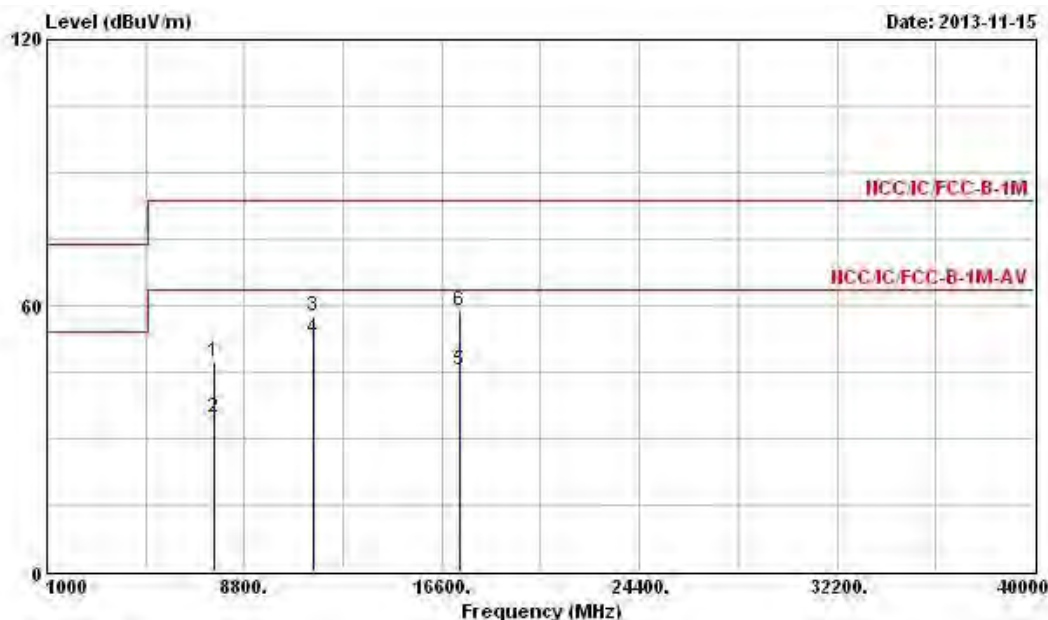
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (106.21 dBuV/m).

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT80 (Mode 3)	Test Freq. (MHz)	5775
N <sub>TX</sub>	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	7608.000	47.39	-36.15	83.54	41.47	35.30	5.64	35.02	Peak	---	---
2	7608.000	34.82	-28.72	63.54	28.90	35.30	5.64	35.02	Average	---	---
3	11550.000	57.45	-26.09	83.54	47.18	38.34	6.44	34.51	Peak	---	---
4	11550.000	52.65	-10.89	63.54	42.38	38.34	6.44	34.51	Average	---	---
5	17325.000	45.47	-18.07	63.54	29.39	40.96	8.94	33.82	Average	---	---
6	17325.000	58.98	-24.56	83.54	42.90	40.96	8.94	33.82	Peak	---	---

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

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

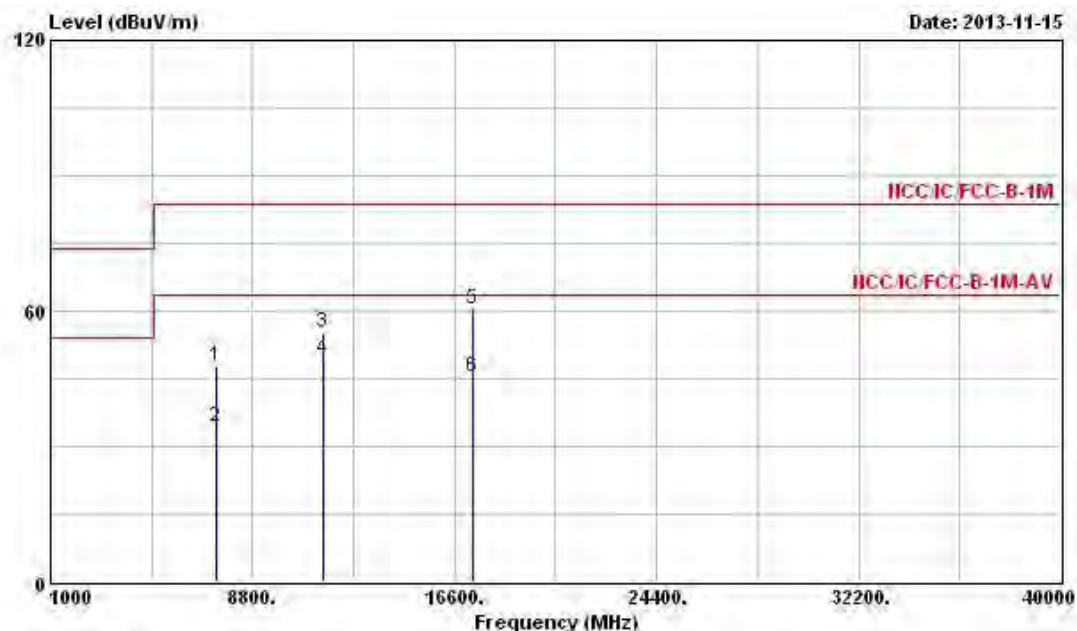
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (101.54 dBuV/m).

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT80 (Mode 3)	Test Freq. (MHz)	5775
N <sub>TX</sub>	1	Polarization	H



	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	7380.000	47.65	-35.89	83.54	41.75	35.30	5.57	34.97	Peak	---	---
2	7380.000	34.41	-29.13	63.54	28.51	35.30	5.57	34.97	Average	---	---
3	11550.000	55.18	-28.36	83.54	44.91	38.34	6.44	34.51	Peak	---	---
4	11550.000	49.23	-14.31	63.54	38.96	38.34	6.44	34.51	Average	---	---
5	17325.000	60.51	-23.03	83.54	44.43	40.96	8.94	33.82	Peak	---	---
6	17325.000	45.48	-18.06	63.54	29.40	40.96	8.94	33.82	Average	---	---

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

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

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

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (101.54 dBuV/m).

## 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)
RF Cable-CON	HUBER+SUHNER	RG213/U	7.61183201e+012	9kHz ~ 30MHz	Oct. 30, 2013	Conduction (CO04-HY)
EMI Filter	LINDGREN	LRE-2030	2651	< 450 Hz	N/A	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	FSV 40	101013	9KHz~40GHz	Jan. 29, 2013	Conducted (TH01-HY)
RF Cable-2m	HUBER+SUHNER	SUCOFLEX_104	SN 345675/4	30MHz ~ 26.5GHz	Dec. 04, 2012	Conducted (TH01-HY)
RF Cable-3m	HUBER+SUHNER	SUCOFLEX_104	SN 345669/4	30MHz ~ 26.5GHz	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
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	3008A02373	1GHz ~ 26.5GHz	Aug. 28, 2013	Radiation (03CH02-HY)
Spectrum Analyzer	R&S	FSP40	100593	9kHz ~ 40GHz	Oct. 03, 2013	Radiation (03CH02-HY)
Bilog Antenna	SCHAFFNER	CBL61128	2723	30MHz ~ 2GHz	Oct. 10, 2013	Radiation (03CH02-HY)
Horn Antenna	ETS-LINDGREN	3115	6744	1GHz ~ 18GHz	Mar. 18, 2013	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. 09, 2013	Radiation (03CH02-HY)
RF Cable-high	SUHNER	SUCOFLEX106	03CH02-HY	1GHz ~ 40GHz	Mar. 05, 2013	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.