

FCC Test Report

Equipment : Personal Computer
Brand Name : SONY
Model No. : SVT112A4LL
FCC ID : AK8SVT112A4LL
Standard : 47 CFR FCC Part 15.247
Operating Band : 5725 MHz – 5850 MHz
Equipment Class : DTS
Applicant : Sony Corporation
Manufacturer : 1-7-1 Konan, Minato-ku, Tokyo 108-0075, Japan

The product sample received on Aug. 29, 2013 and completely tested on Nov. 07, 2013. We, SPORTON, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2009 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC., the test report shall not be reproduced except in full.

Reviewed by:

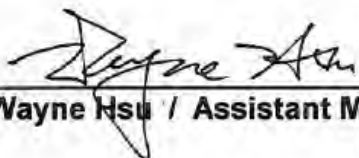

Wayne Hsu / Assistant Manager

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Summary of Test Result

Conformance Test Specifications					
Report Clause	Ref. Std. Clause	Description	Measured	Limit	Result
1.1.2	15.203	Antenna Requirement	Antenna connector mechanism complied	FCC 15.203	Complied
3.1	15.207	AC Power-line Conducted Emissions	[dBuV]: 0.1996860MHz 42.59 (Margin 11.03dB) - AV 57.89 (Margin 5.73dB) - QP	FCC 15.207	Complied
3.2	15.247(a)	Bandwidth	6dB Bandwidth [MHz] 20M:16.45 40M:29.68 80M: 61.36	≥500kHz	Complied
3.3	15.247(b)	RF Output Power (Maximum Peak Conducted Output Power)	Power [dBm]:20.10	Power [dBm]:30	Complied
3.4	15.247(d)	Power Spectral Density	PSD [dBm/100kHz]:-14.86	PSD [dBm/MHz]:17 replace 8dBm/3kHz	Complied
3.5	15.247(c)	Transmitter Bandedge Emissions	Non-Restricted Bands: 5863.330MHz: 29.41dB	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]: 378.230MHz 40.20 (Margin 5.80dB) - PK	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 RF General Information

RF General Information						
Frequency Range (MHz)	IEEE Std. 802.11	Ch. Freq. (MHz)	Channel Number	Transmit Chains (N _{TX})	RF Output Power (dBm)	Co-location
5725-5850	a	5745-5825	149-165 [5]	1	19.99	Yes
5725-5850	n(HT20)	5745-5825	149-165 [5]	1	19.95	Yes
5725-5850	n(HT20)	5745-5825	149-165 [5]	2	17.06	Yes
5725-5850	n(HT40)	5755-5795	151-159 [2]	1	20.10	Yes
5725-5850	n(HT40)	5755-5795	151-159 [2]	2	17.02	Yes
5725-5850	ac(VHT20)	5745-5825	149-165 [5]	1	19.93	Yes
5725-5850	ac(VHT20)	5745-5825	149-165 [5]	2	16.97	Yes
5725-5850	ac(VHT40)	5755-5795	151-159 [2]	1	19.96	Yes
5725-5850	ac(VHT40)	5755-5795	151-159 [2]	2	17.07	Yes
5725-5850	ac(VHT80)	5775	155 [1]	1	17.56	Yes
5725-5850	ac(VHT80)	5775	155 [1]	2	17.03	Yes

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

1.1.2 Antenna Information

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

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

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

1.1.3 Type of EUT

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

1.1.4 Test Signal Duty Cycle

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

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

1.1.5 EUT Operational Condition

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

1.2 Accessories

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

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

1.3 Support Equipment

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

1.4 Testing Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ◆ 47 CFR FCC Part 15
- ◆ ANSI C63.10-2009
- ◆ FCC KDB 558074
- ◆ FCC KDB 789033
- ◆ FCC KDB 644545 D01
- ◆ FCC KDB 644545 D02
- ◆ FCC KDB 662911

1.5 Testing Location Information

Testing Location			
☒	HWA YA	ADD : No. 52, Hwa Ya 1 st Rd., Hwa Ya Technology Park, Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.	
		TEL : 886-3-327-3456	FAX : 886-3-327-0973
Test Condition	Test Site No.	Test Engineer	Test Environment
AC Conduction	CO04-HY	Zeus	24°C / 46%
RF Conducted	TH06-HY	Shiming	24.3°C / 62%
Radiated Emission	03CH03-HY	Leo	24°C / 56%

1.6 Measurement Uncertainty

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

Measurement Uncertainty		
Test Item		Uncertainty
AC power-line conducted emissions		±2.26 dB
Emission bandwidth, 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 _{TX})	Data Rate / MCS	Worst Data Rate / MCS
11a,6-54Mbps	1	6-54Mbps	6 Mbps
HT20,M0-7	1	M0-7	MCS 0
HT20,M8-15	2	M8-15	MCS 8
HT40,M0-7	1	M0-7	MCS 0
HT40,M8-15	2	M8-15	MCS 8
VHT20,M0-8	1	M0-8	MCS 0
VHT20,M10-18	2	M10-18	MCS 10
VHT40,M0-9	1	M0-8	MCS 0
VHT40,M10-19	2	M10-19	MCS 10
VHT80,M0-9	1	M0-9	MCS 0
VHT80,M10-19	2	M10-19	MCS 10

2.2 The Worst Case Power Setting Parameter

The Worst Case Power Setting Parameter (5725-5850MHz band)							
Test Software Version	DRTU_1.7.0-803						
Modulation Mode	N _{TX}	Test Frequency (MHz)					
		NCB: 20MHz			NCB: 40MHz		NCB: 80MHz
		5745	5785	5825	5755	5795	5775
11a,6-54Mbps	1	31.5	31.5	31.5	-	-	-
HT20,M0-7	1	31.5	31.5	31.5	-	-	-
HT20,M8-15	2	26.5,26.5	26.5,27	26.5,27.5	-	-	-
HT40,M0-7	1	-	-	-	31.5	32	-
HT40,M8-15	2	-	-	-	26.5,26.5	26.5,27	-
VHT20,M0-8	1	31.5	31.5	31.5	-	-	-
VHT20,M10-18	2	26.5,26.5	26.5,27	26.5,27.5	-	-	-
VHT40,M0-9	1	-	-	-	31.5	32	-
VHT40,M10-19	2	-	-	-	26.5,27	27,27.5	-
VHT80,M0-9	1	-	-	-	-	-	29.5
VHT80,M10-19	2	-	-	-	-	-	27,27.5

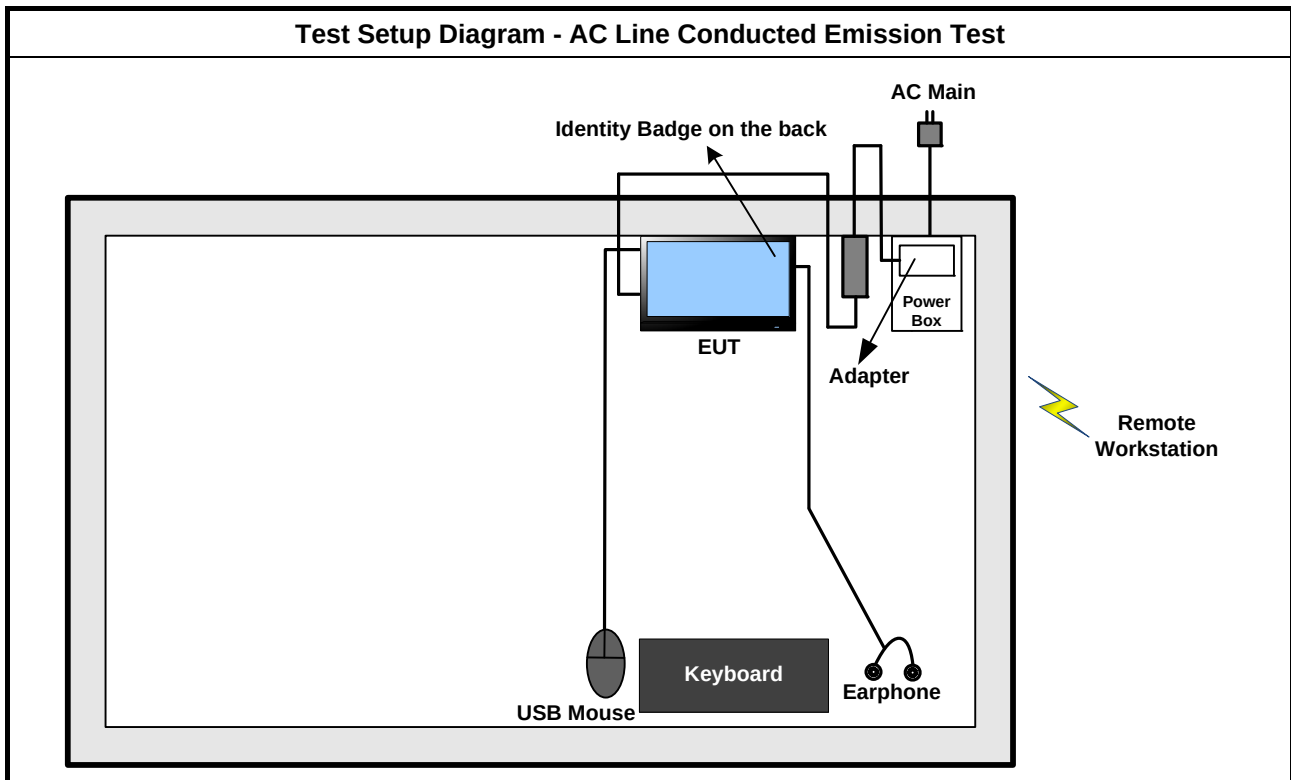
2.3 The Worst Case Measurement Configuration

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

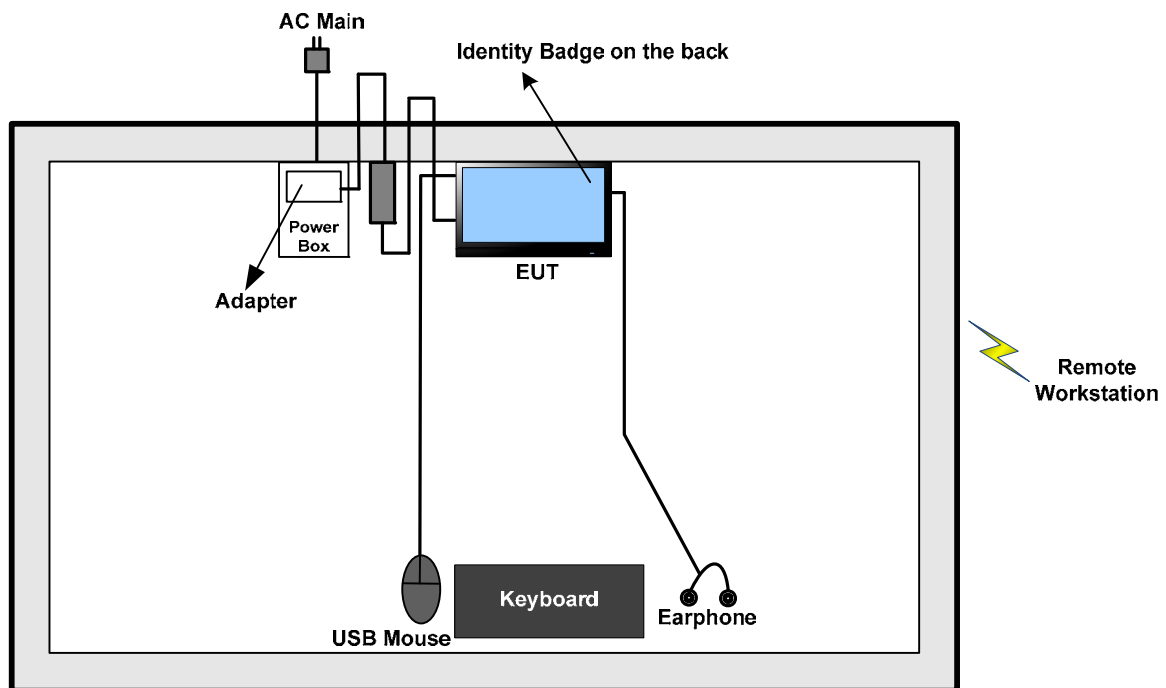
The Worst Case Mode for Following Conformance Tests	
Tests Item	RF Output Power, Power Spectral Density, 6 dB Bandwidth
Test Condition	Conducted measurement at transmit chains
Modulation Mode	11a, HT20, HT40, VHT20, VHT40, VHT80

The Worst Case Mode for Following Conformance Tests			
Tests Item	Transmitter Radiated Unwanted Emissions Transmitter Radiated Bandedge Emissions		
Test Condition	Radiated measurement		
User Position	☐ EUT will be placed in fixed position.		
	☒ EUT will be placed in mobile position and operating multiple positions. EUT shall be performed two orthogonal planes. The worst planes is Z.		
	☐ EUT will be a hand-held or body-worn battery-powered devices and operating multiple positions. EUT shall be performed two or three orthogonal planes.		
Operating Mode	☒ 1. AC Power & Radio link		
Modulation Mode	11a, HT20, HT40, VHT20, VHT40, VHT80		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			

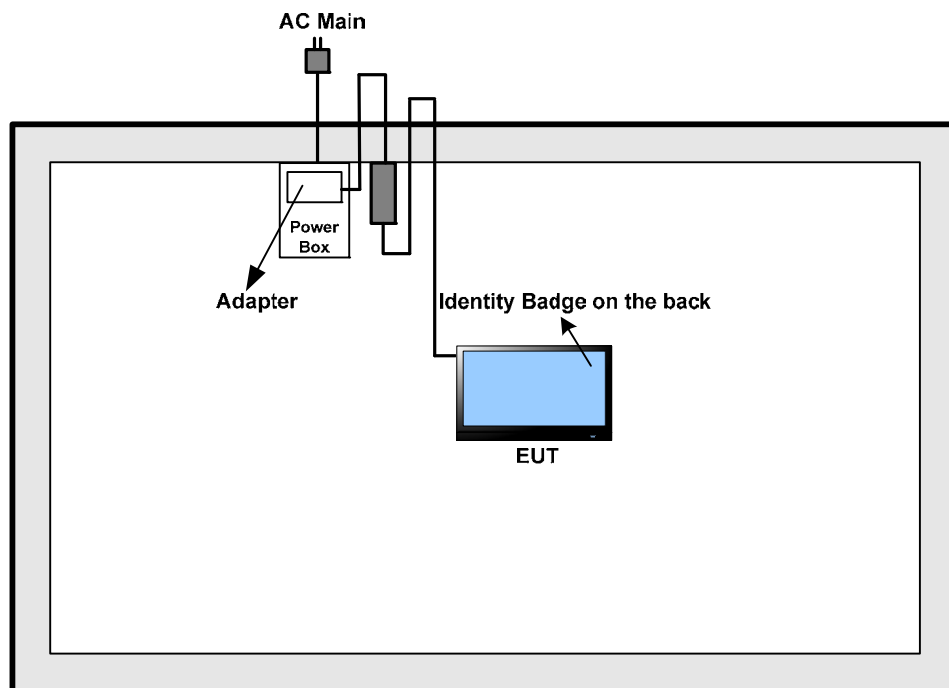
2.4 Test Setup Diagram



Test Setup Diagram - Radiated Below 1GHz Test



Test Setup Diagram - Radiated Above 1GHz Test



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

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

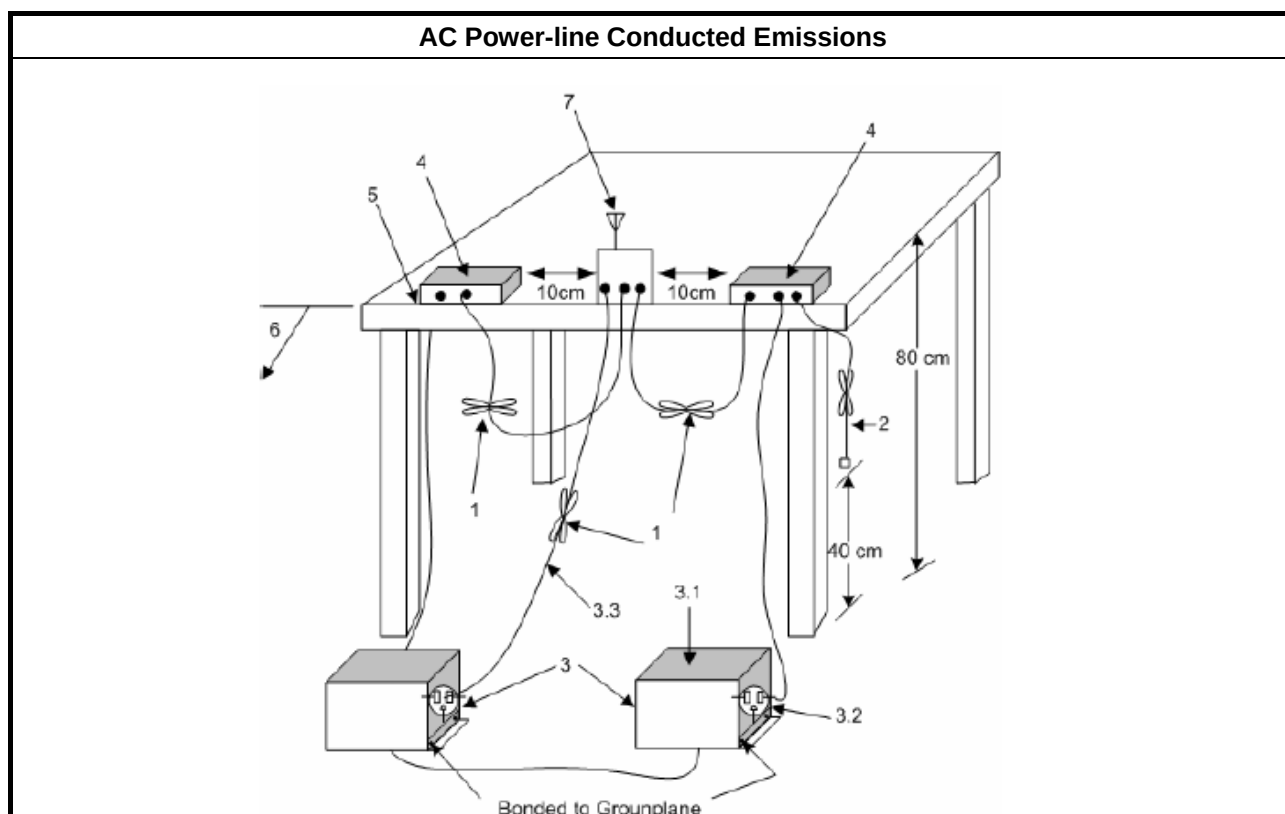
3.1.2 Measuring Instruments

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

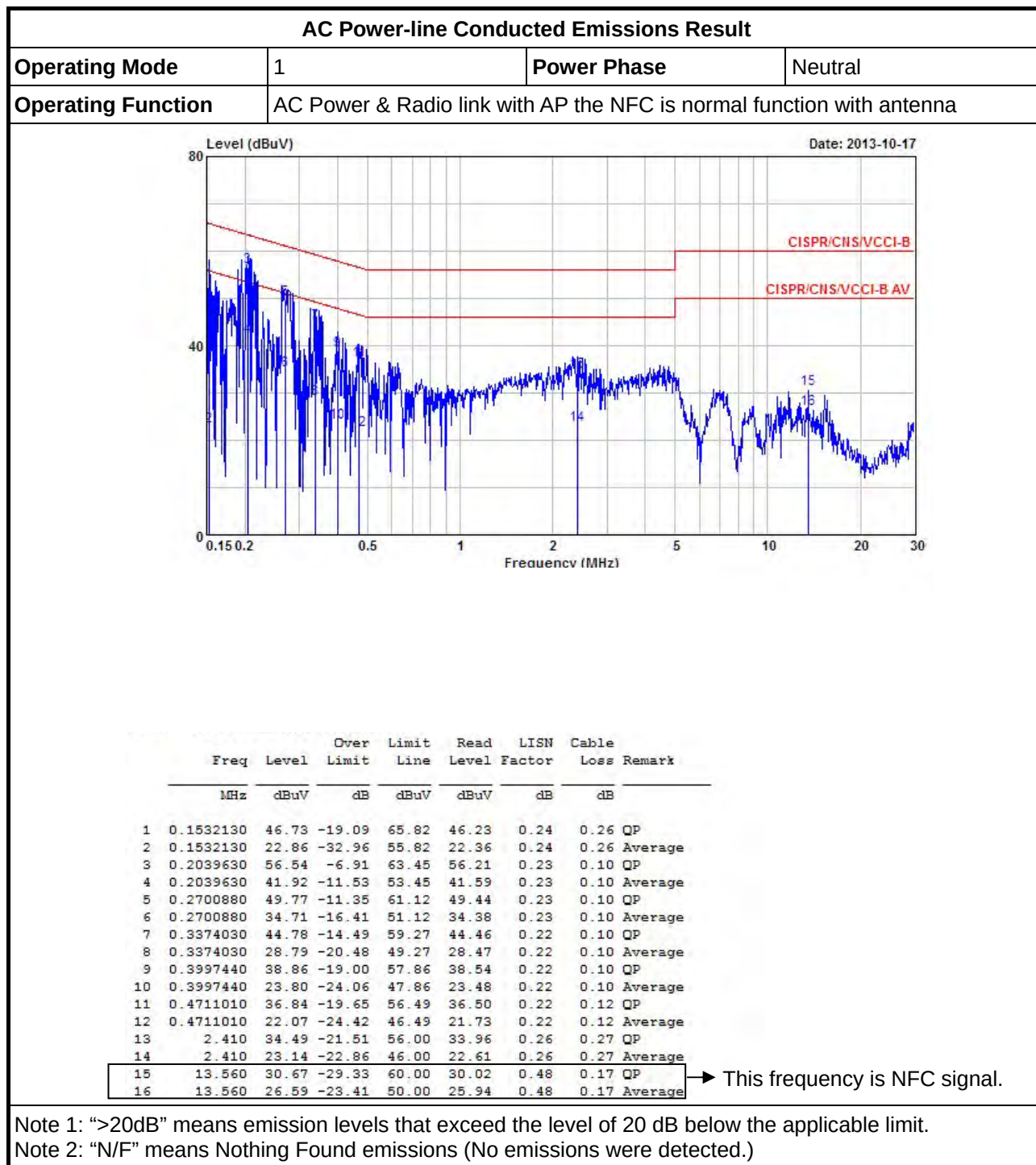
3.1.3 Test Procedures

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

3.1.4 Test Setup

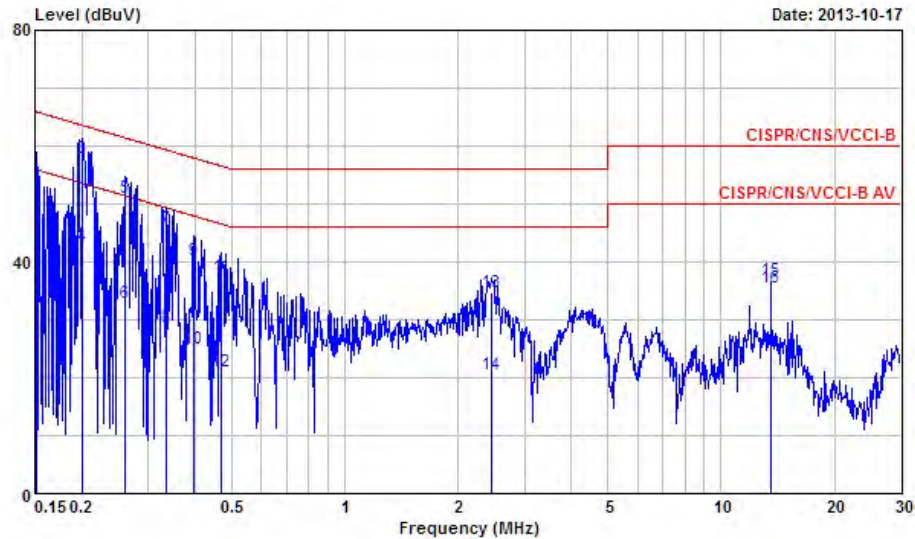


3.1.5 Test Result of AC Power-line Conducted Emissions



AC Power-line Conducted Emissions Result

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



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

→ This frequency is NFC signal.

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

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

3.2 6dB Bandwidth

3.2.1 6dB Bandwidth Limit

6dB Bandwidth Limit	
Systems using digital modulation techniques:	
☒	6 dB bandwidth $\geq$ 500 kHz.

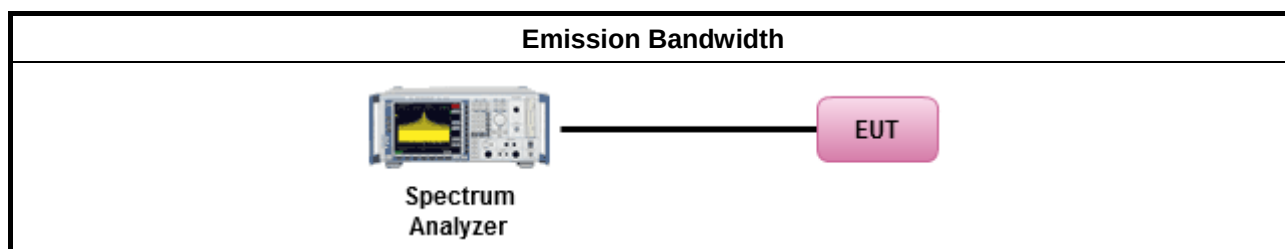
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
☒	For the emission bandwidth shall be measured using one of the options below:
☒	Refer as FCC KDB 558074, clause 8.1 Option 1 for 6 dB bandwidth measurement.
☐	Refer as FCC KDB 558074, clause 8.2 Option 2 for 6 dB bandwidth measurement.
☐	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.
☒	For conducted measurement.
☐	The EUT supports single transmit chain and measurements performed on this transmit chain.
☒	The EUT supports diversity transmitting and the results on transmit chain port 1 is the worst case.
☒	The EUT supports multiple transmit chains using options given below:
☐	Option 1: Multiple transmit chains measurements need to be performed on one of the active transmit chains (antenna outputs). All measurement had be performed on transmit chains 1.
☒	Option 2: Multiple transmit chains measurements need to be performed on each transmit chains individually (antenna outputs). All measurement had be performed on all transmit chains.

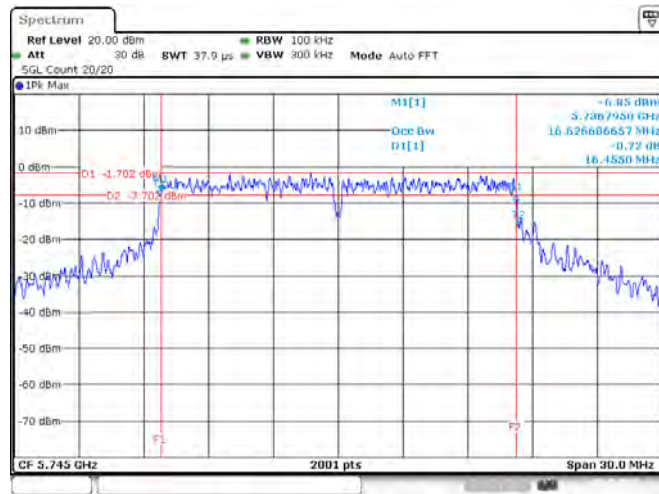
3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Emission Bandwidth Result						
Condition			Emission Bandwidth (MHz)			
Modulation Mode	N _{TX}	Freq. (MHz)	99% Bandwidth		6dB Bandwidth	
			Chain Port 1	Chain Port 2	Chain Port 1	Chain Port 2
11a	1	5745	16.62	-	16.45	-
11a	1	5785	16.55	-	16.56	-
11a	1	5825	16.53	-	16.53	-
HT20,M0-7	1	5745	17.75	-	17.77	-
HT20,M0-7	1	5785	17.69	-	17.73	-
HT20,M0-7	1	5825	17.70	-	17.70	-
HT20,M8-15	2	5745	17.73	17.70	17.80	17.62
HT20,M8-15	2	5785	17.66	17.75	17.67	17.71
HT20,M8-15	2	5825	17.70	17.75	17.74	17.79
HT40,M0-7	1	5755	36.06	-	36.32	-
HT40,M0-7	1	5795	36.06	-	36.32	-
HT40,M8-15	2	5755	35.98	35.90	35.40	33.80
HT40,M8-15	2	5795	35.90	36.02	36.32	35.96
VHT20,M0-8	1	5745	17.76	-	17.77	-
VHT20,M0-8	1	5785	17.76	-	17.79	-
VHT20,M0-8	1	5825	17.76	-	17.77	-
VHT20,M10-18	2	5745	17.67	17.72	17.74	17.68
VHT20,M10-18	2	5785	17.72	17.67	17.79	17.53
VHT20,M10-18	2	5825	17.70	17.66	17.80	17.65
VHT40,M0-9	1	5755	36.06	-	36.36	-
VHT40,M0-9	1	5795	36.06	-	36.28	-
VHT40,M10-19	2	5755	35.86	35.82	29.68	30.72
VHT40,M10-19	2	5795	35.98	36.02	35.72	36.32
VHT80,M0-9	1	5775	75.08	-	75.04	-
VHT80,M10-19	2	5775	74.84	75.08	61.36	75.04
Limit			N/A		≥500 kHz	
Result			Complied			
Note 1: N _{TX} = Number of Transmit Chains						

Worst Emission 6dB Bandwidth Plots



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3.3 RF Output Power

3.3.1 RF Output Power Limit

RF Output Power Limit	
Maximum Peak Conducted Output Power or Maximum Conducted Output Power Limit	
☒ 5725-5850 MHz Band:	
☒	If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)
☒	Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ dBm
☐	Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30$ dBm
e.i.r.p. Power Limit:	
☒ 5725-5850 MHz Band	
☒	Point-to-multipoint systems (P2M): $P_{eirp} \leq 36$ dBm (4 W)
☐	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.	

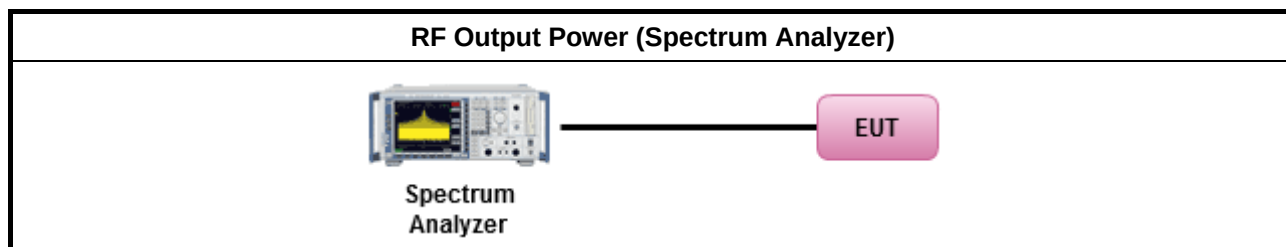
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
☒	Maximum Peak Conducted Output Power
☐	Refer as FCC KDB 558074, clause 9.1.1 Option 1 (RBW ≥ EBW method).
☒	Refer as FCC KDB 558074, clause 9.1.2 Option 2 (integrated band power method).
☐	Refer as FCC KDB 558074, clause 9.1.3 Option 2 (peak power meter for VBW ≥ DTS BW)
☒	Maximum Conducted Output Power
	[duty cycle ≥ 98% or external video / power trigger]
☒	Refer as FCC KDB 558074, clause 9.2.2.2 Method AVGSA-1 (spectral trace averaging).
☐	Refer as FCC KDB 558074, clause 9.2.2.3 Method AVGSA-1 Alt. (slow sweep speed)
	duty cycle < 98% and average over on/off periods with duty factor
☐	Refer as FCC KDB 558074, clause 9.2.2.4 Method AVGSA-2 (spectral trace averaging).
☐	Refer as FCC KDB 558074, clause 9.2.2.5 Method AVGSA-2 Alt. (slow sweep speed)
	RF power meter and average over on/off periods with duty factor or gated trigger
☐	Refer as FCC KDB 558074, clause 9.2.3 Method AVGPM (using an RF average power meter).
☒	For conducted measurement.
☐	The EUT supports single transmit chain and measurements performed on this transmit chain.
☒	The EUT supports diversity transmitting and the results on transmit chain port 1 is the worst case.
☒	The EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
☒	If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup



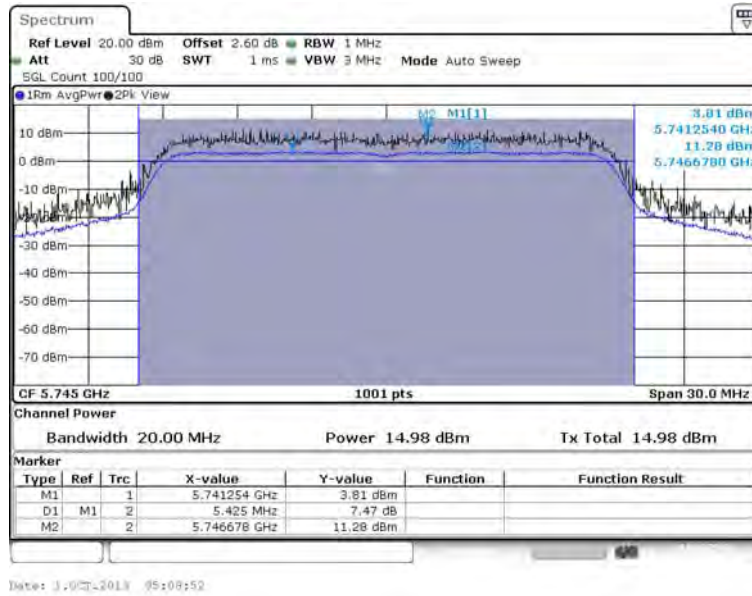
3.3.5 Test Result of Maximum Peak Conducted Output Power

Maximum Peak Conducted Output Power Result									
Condition			RF Output Power (dBm)						
Modulation Mode	N _{TX}	Freq. (MHz)	Chain Port 1	Chain Port 2	Sum Chain	Power Limit	DG (dBi)	EIRP Power	EIRP Limit
11a	1	5745	19.89	-	19.89	30.00	-0.65	19.24	36.00
11a	1	5785	19.88	-	19.88	30.00	-0.65	19.23	36.00
11a	1	5825	19.99	-	19.99	30.00	-0.65	19.34	36.00
HT20,M0-7	1	5745	19.95	-	19.95	30.00	-0.65	19.30	36.00
HT20,M0-7	1	5785	19.87	-	19.87	30.00	-0.65	19.22	36.00
HT20,M0-7	1	5825	19.85	-	19.85	30.00	-0.65	19.20	36.00
HT20,M8-15	2	5745	13.99	14.10	17.06	30.00	-1.03	16.02	36.00
HT20,M8-15	2	5785	13.93	14.11	17.03	30.00	-1.03	16.00	36.00
HT20,M8-15	2	5825	13.77	13.72	16.76	30.00	-1.03	15.72	36.00
HT40,M0-7	1	5755	19.86	-	19.86	30.00	-0.65	19.21	36.00
HT40,M0-7	1	5795	20.10	-	20.10	30.00	-0.65	19.45	36.00
HT40,M8-15	2	5755	14.06	13.95	17.02	30.00	-1.03	15.98	36.00
HT40,M8-15	2	5795	13.68	13.69	16.70	30.00	-1.03	15.66	36.00
VHT20,M0-8	1	5745	19.93	-	19.93	30.00	-0.65	19.28	36.00
VHT20,M0-8	1	5785	19.85	-	19.85	30.00	-0.65	19.20	36.00
VHT20,M0-8	1	5825	19.90	-	19.90	30.00	-0.65	19.25	36.00
VHT20,M10-18	2	5745	14.03	13.89	16.97	30.00	-1.03	15.94	36.00
VHT20,M10-18	2	5785	13.84	14.02	16.94	30.00	-1.03	15.91	36.00
VHT20,M10-18	2	5825	13.87	13.78	16.84	30.00	-1.03	15.80	36.00
VHT40,M0-9	1	5755	19.90	-	19.90	30.00	-0.65	19.25	36.00
VHT40,M0-9	1	5795	19.96	-	19.96	30.00	-0.65	19.31	36.00
VHT40,M10-19	2	5755	13.90	14.21	17.07	30.00	-1.03	16.04	36.00
VHT40,M10-19	2	5795	14.11	14.00	17.07	30.00	-1.03	16.03	36.00
VHT80,M0-9	1	5775	17.56	-	17.56	30.00	-0.65	16.91	36.00
VHT80,M10-19	2	5775	13.98	14.06	17.03	30.00	-1.03	16.00	36.00
Result									

3.3.6 Test Result of Maximum Conducted Output Power

Maximum Conducted Output Power Result									
Condition			RF Output Power (dBm)						
Modulation Mode	N _{TX}	Freq. (MHz)	Chain Port 1	Chain Port 2	Sum Chain	Power Limit	DG (dBi)	EIRP Power	EIRP Limit
11a	1	5745	14.90	-	14.90	30.00	-0.65	14.25	36.00
11a	1	5785	14.96	-	14.96	30.00	-0.65	14.31	36.00
11a	1	5825	14.92	-	14.92	30.00	-0.65	14.27	36.00
HT20,M0-7	1	5745	14.96	-	14.96	30.00	-0.65	14.31	36.00
HT20,M0-7	1	5785	14.87	-	14.87	30.00	-0.65	14.22	36.00
HT20,M0-7	1	5825	14.89	-	14.89	30.00	-0.65	14.24	36.00
HT20,M8-15	2	5745	9.01	8.91	11.97	30.00	-1.03	10.94	36.00
HT20,M8-15	2	5785	8.90	9.05	11.98	30.00	-1.03	10.95	36.00
HT20,M8-15	2	5825	8.95	8.68	11.83	30.00	-1.03	10.79	36.00
HT40,M0-7	1	5755	14.86	-	14.86	30.00	-0.65	14.21	36.00
HT40,M0-7	1	5795	14.95	-	14.95	30.00	-0.65	14.30	36.00
HT40,M8-15	2	5755	8.94	8.74	11.85	30.00	-1.03	10.82	36.00
HT40,M8-15	2	5795	8.73	8.70	11.72	30.00	-1.03	10.69	36.00
VHT20,M0-8	1	5745	15.02	-	15.02	30.00	-0.65	14.37	36.00
VHT20,M0-8	1	5785	14.88	-	14.88	30.00	-0.65	14.23	36.00
VHT20,M0-8	1	5825	14.86	-	14.86	30.00	-0.65	14.21	36.00
VHT20,M10-18	2	5745	8.98	8.91	11.95	30.00	-1.03	10.92	36.00
VHT20,M10-18	2	5785	8.85	8.98	11.92	30.00	-1.03	10.89	36.00
VHT20,M10-18	2	5825	8.89	8.61	11.76	30.00	-1.03	10.73	36.00
VHT40,M0-9	1	5755	14.87	-	14.87	30.00	-0.65	14.22	36.00
VHT40,M0-9	1	5795	14.95	-	14.95	30.00	-0.65	14.30	36.00
VHT40,M10-19	2	5755	8.81	9.07	11.95	30.00	-1.03	10.92	36.00
VHT40,M10-19	2	5795	9.05	8.87	11.97	30.00	-1.03	10.94	36.00
VHT80,M0-9	1	5775	12.49	-	12.49	30.00	-0.65	11.84	36.00
VHT80,M10-19	2	5775	8.93	8.98	11.97	30.00	-1.03	10.94	36.00
Result									

5725-5825MHz - Worst RF Output Power Plots



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

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

Power Spectral Density Limit	
☒	Power Spectral Density (PSD) $\leq$ 8 dBm/3kHz

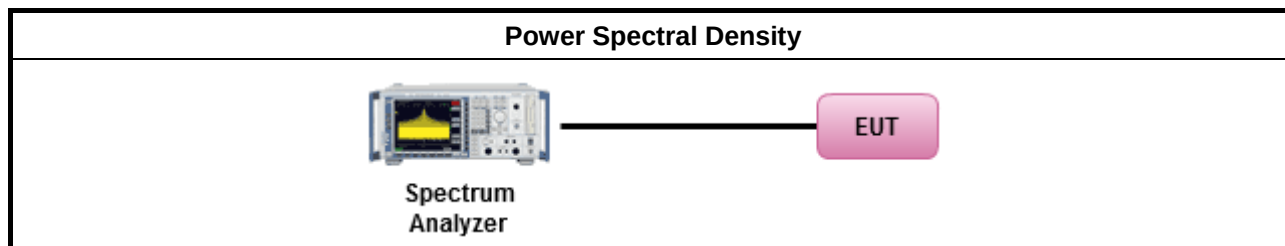
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method	
☒	Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).
☒	Refer as FCC KDB 558074, clause 10.2 Method PKPSD (RBW=3-100kHz;detector=peak).. [duty cycle $\geq$ 98% or external video / power trigger]
☒	Refer as FCC KDB 558074, clause 10.3 Method AVGPS-1 (spectral trace averaging).
☐	Refer as FCC KDB 558074, clause 10.4 Method AVGPS-1 Alt. (slow sweep speed) duty cycle < 98% and average over on/off periods with duty factor
☐	Refer as FCC KDB 558074, clause 10.5 Method AVGPS-2 (spectral trace averaging).
☐	Refer as FCC KDB 558074, clause 10.6 Method AVGPS-2 Alt. (slow sweep speed)
☒	For conducted measurement.
☐	The EUT supports single transmit chain and measurements performed on this transmit chain.
☒	The EUT supports diversity transmitting and the results on transmit chain port 1 is the worst case.
☒	The EUT supports multiple transmit chains using options given below:
☒	Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power 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 _{TX} 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.
☐	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.

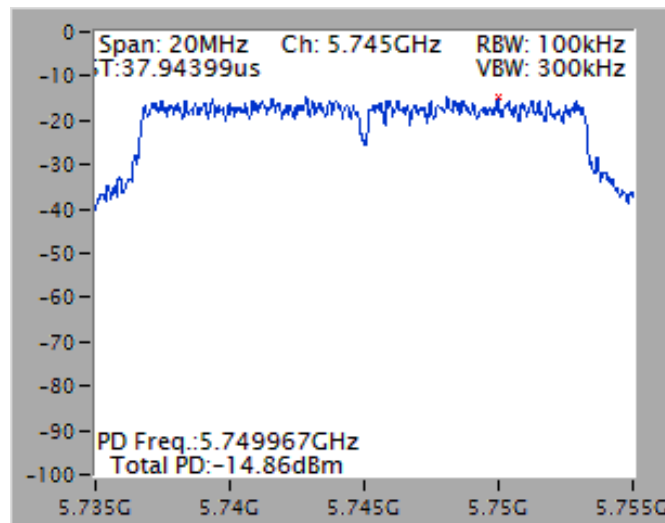
3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

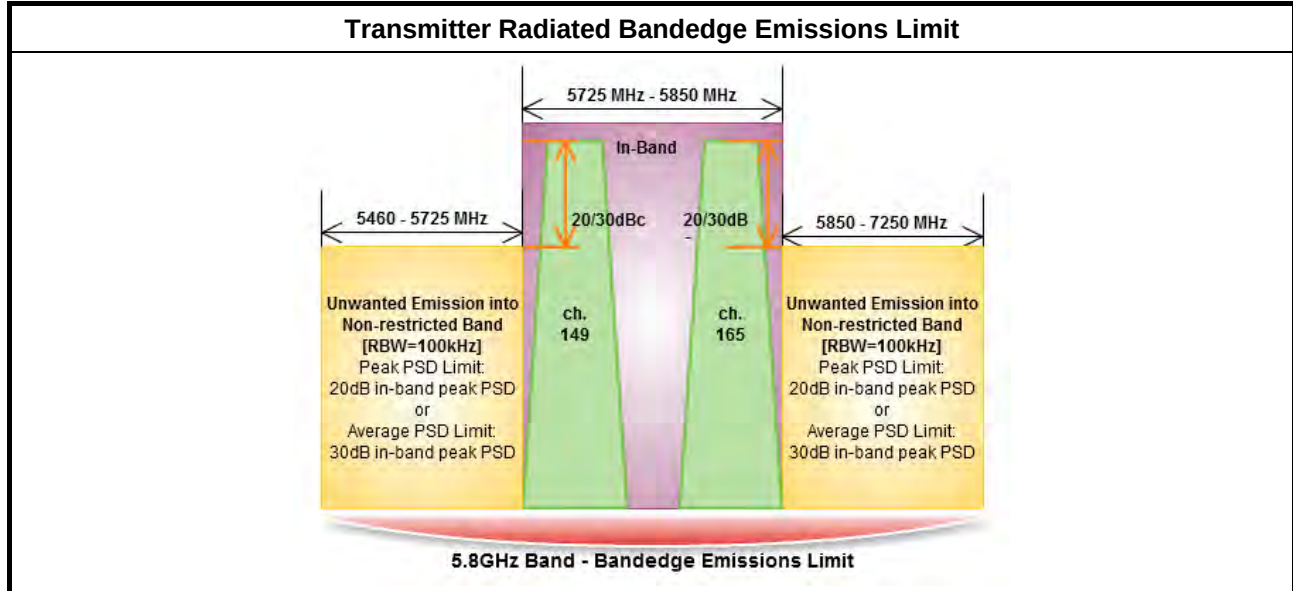
Power Spectral Density Result				
Condition			Power Spectral Density	
Modulation Mode	N _{TX}	Freq. (MHz)	Power Spectral Density (dBm/100kHz)	Power Limit (dBm/3kHz)
11a	1	5745	-14.86	8.00
11a	1	5785	-15.20	8.00
11a	1	5825	-15.46	8.00
HT20,M0-7	1	5745	-15.07	8.00
HT20,M0-7	1	5785	-15.41	8.00
HT20,M0-7	1	5825	-15.16	8.00
HT20,M8-15	2	5745	-17.79	8.00
HT20,M8-15	2	5785	-18.32	8.00
HT20,M8-15	2	5825	-18.12	8.00
HT40,M0-7	1	5755	-17.53	8.00
HT40,M0-7	1	5795	-16.90	8.00
HT40,M8-15	2	5755	-20.39	8.00
HT40,M8-15	2	5795	-20.11	8.00
VHT20,M0-8	1	5745	-15.32	8.00
VHT20,M0-8	1	5785	-15.30	8.00
VHT20,M0-8	1	5825	-15.75	8.00
VHT20,M10-18	2	5745	-18.66	8.00
VHT20,M10-18	2	5785	-18.35	8.00
VHT20,M10-18	2	5825	-18.33	8.00
VHT40,M0-9	1	5755	-17.06	8.00
VHT40,M0-9	1	5795	-17.55	8.00
VHT40,M10-19	2	5755	-19.98	8.00
VHT40,M10-19	2	5795	-19.85	8.00
VHT80,M0-9	1	5775	-18.98	8.00
VHT80,M10-19	2	5775	-21.90	8.00
Result			Complied	

Worst Power Spectral Density Plots



3.5 Transmitter Bandedge Emissions

3.5.1 Transmitter Radiated Bandedge Emissions Limit



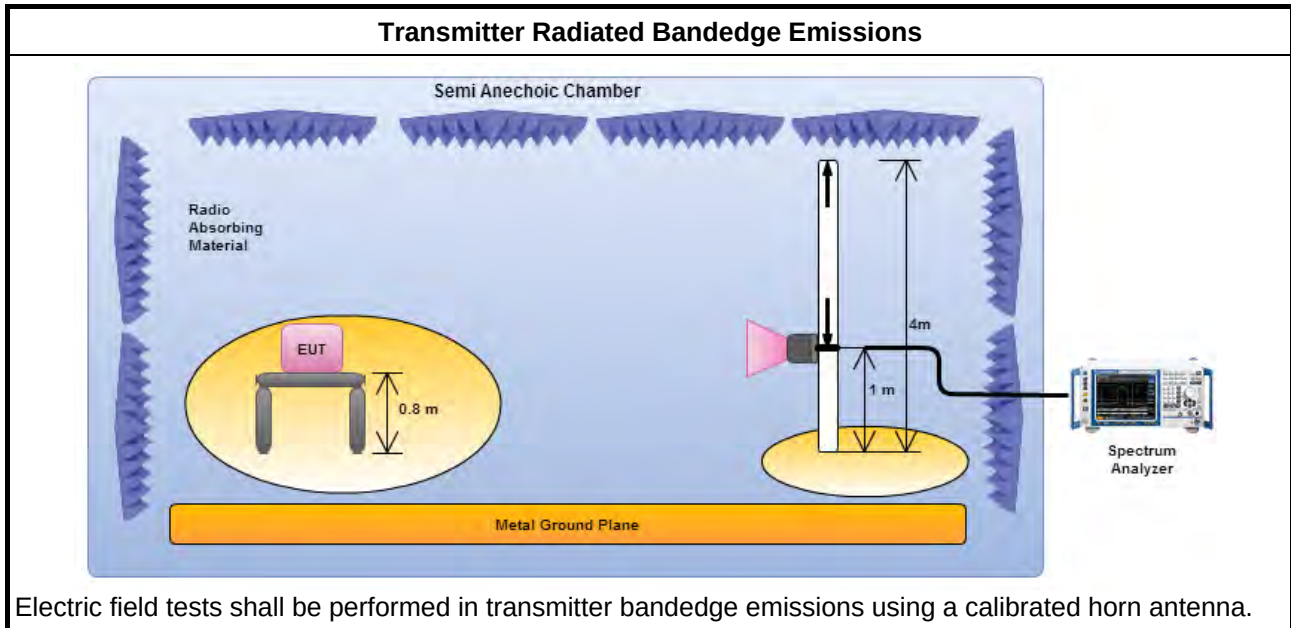
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method	
☒	The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].
☒	Refer as ANSI C63.10, clause 6.9.2.2 bandedge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.
☒	For the transmitter unwanted emissions shall be measured using following options below:
☒	Refer as FCC KDB 558074, clause 11 for unwanted emissions into non-restricted bands.
☒	Refer as FCC KDB 558074, clause 12 for unwanted emissions into restricted bands.
☐	Refer as FCC KDB 558074, clause 12.2.5.1 Option 1 (trace averaging for duty cycle $\geq 98\%$)
☐	Refer as FCC KDB 558074, clause 12.2.5.2 Option 2 (trace averaging + duty factor).
☐	Refer as FCC KDB 558074, clause 12.2.5.3 Option 3 (Reduced VBW $\geq 1/T$).
☒	Refer as ANSI C63.10, clause 4.2.3.2.3 (Reduced VBW). VBW $\geq 1/T$, where T is pulse time.
☐	Refer as ANSI C63.10, clause 4.2.3.2.4 average value of pulsed emissions.
☒	Refer as FCC KDB 558074, clause 11.3 and 12.2.4 measurement procedure peak limit.
☒	For the transmitter bandedge emissions shall be measured using following options below:
☐	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).
☒	Refer as ANSI C63.10, clause 6.9.2 for band-edge testing.
☐	Refer as ANSI C63.10, clause 6.9.3 for marker-delta method for band-edge measurements.
☒	For radiated measurement, refer as FCC KDB 558074, clause 12.2.7 and ANSI C63.10, clause 6.6. Test distance is 1m.
☒	Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements). Measurements in the bandedge are typically made at a closer distance 1m, because the instrumentation noise floor is typically close to the radiated emission limit.

3.5.4 Test Setup



3.5.5 Transmitter Radiated Bandedge Emissions

5725-5850MHz Transmitter Radiated Bandedge Emissions								
Modulation	N _{TX}	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	5720	110.33	5862.620	68.88	41.45	20	H
11a	1	5825	108.90	5855.750	70.30	38.60	20	H
HT20,M0-7	1	5720	109.45	5861.900	69.13	40.32	20	H
HT20,M0-7	1	5825	108.55	5851.330	69.97	38.58	20	H
HT20,M8-15	2	5720	106.72	5866.940	69.32	37.40	20	H
HT20,M8-15	2	5825	103.73	5851.030	69.44	34.29	20	H
HT40,M0-7	1	5710	107.58	5866.040	69.97	37.61	20	H
HT40,M0-7	1	5795	106.97	5859.500	69.08	37.89	20	H
HT40,M8-15	2	5710	103.30	5857.580	68.97	34.33	20	H
HT40,M8-15	2	5795	101.57	5868.600	69.17	32.40	20	H
VHT20,M0-8	1	5720	110.41	5857.580	69.13	41.28	20	H
VHT20,M0-8	1	5825	108.26	5855.650	69.07	39.19	20	H
VHT20,M10-18	2	5720	105.92	5864.600	69.72	36.20	20	H
VHT20,M10-18	2	5825	103.81	5857.850	69.29	34.52	20	H
VHT40,M0-9	1	5710	108.03	5855.240	68.01	40.02	20	H
VHT40,M0-9	1	5795	106.92	5861.100	69.85	37.07	20	H
VHT40,M10-19	2	5710	102.43	5861.720	68.31	34.12	20	H
VHT40,M10-19	2	5795	102.25	5864.300	69.12	33.13	20	H
VHT80,M0-9	1	5775	101.73	5863.540	69.41	32.32	20	H
VHT80,M10-19	2	5775	98.18	5863.330	68.77	29.41	20	H
Note 1: Measurement worst emissions of receive antenna polarization								

3.6 Transmitter 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.

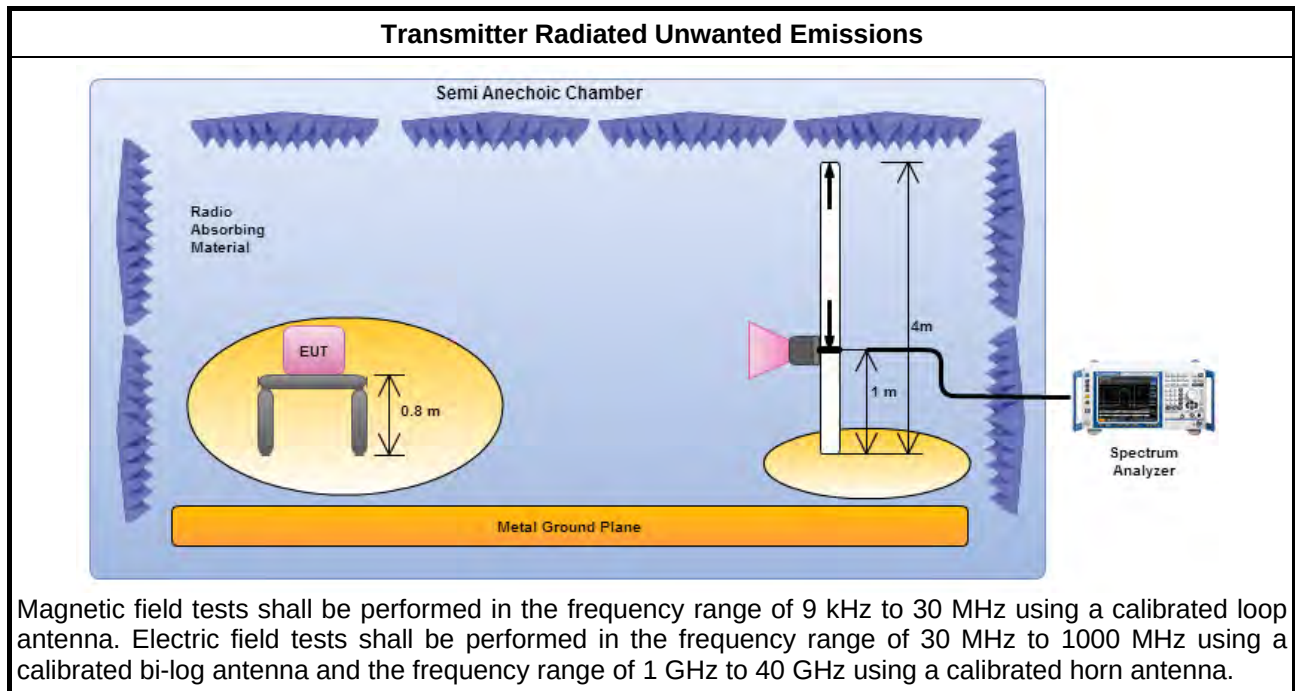
3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

Test Method	
☒	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).
☒	The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].
☒	For the transmitter unwanted emissions shall be measured using following options below:
☒	Refer as FCC KDB 558074, clause 11 for unwanted emissions into non-restricted bands.
☒	Refer as FCC KDB 558074, clause 12 for unwanted emissions into restricted bands.
☐	Refer as FCC KDB 558074, clause 12.2.5.1 Option 1 (trace averaging for duty cycle $\geq 98\%$)
☐	Refer as FCC KDB 558074, clause 12.2.5.2 Option 2 (trace averaging + duty factor).
☐	Refer as FCC KDB 558074, clause 12.2.5.3 Option 3 (Reduced VBW $\geq 1/T$).
☒	Refer as ANSI C63.10, clause 4.2.3.2.3 (Reduced VBW). VBW $\geq 1/T$, where T is pulse time.
☐	Refer as ANSI C63.10, clause 4.2.3.2.4 average value of pulsed emissions.
☒	Refer as FCC KDB 558074, clause 11.3 and 12.2.4 measurement procedure peak limit.
☒	Refer as FCC KDB 558074, clause 12.2.3 measurement procedure Quasi-Peak limit.
☒	For radiated measurement, refer as FCC KDB 558074, clause 12.2.7.
☒	Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.
☒	Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
☒	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz. For 1 GHz to 5 GHz, test distance is 3m; For 5 GHz to 40 GHz, test distance is 1m.
☒	The any unwanted emissions level shall not exceed the fundamental emission level.
☒	All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

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)

Transmitter Radiated Unwanted Emissions (Below 1GHz)										
Operating Mode		1				Polarization			V	
Operating Function		AC Power & Radio link								
Level (dBuV/m) 80 30 -20 Date: 2013-11-07 HCC IC, FCC-B -A/B										
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Remark	Rnt	Table
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor		Pos	Pos
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	39.700	29.23	-10.77	40.00	42.84	13.08	0.91	27.60 Peak	---	---
2	125.060	27.79	-15.71	43.50	40.93	12.49	1.66	27.29 Peak	---	---
3	250.190	33.97	-12.03	46.00	45.76	12.73	2.31	26.83 Peak	---	---
4	378.230	33.37	-12.63	46.00	42.82	14.85	2.89	27.19 Peak	---	---
5	568.350	36.11	-9.89	46.00	42.22	18.26	3.59	27.96 Peak	---	---
6	948.590	33.64	-12.36	46.00	35.40	20.85	4.80	27.41 Peak	---	---

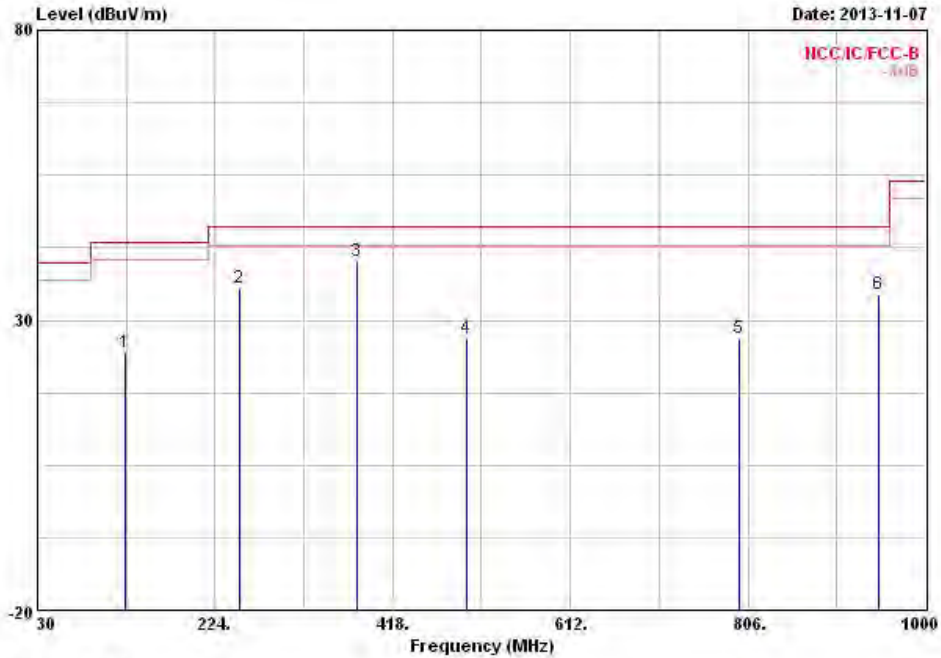
Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

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

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

Transmitter Radiated Unwanted Emissions (Below 1GHz)

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



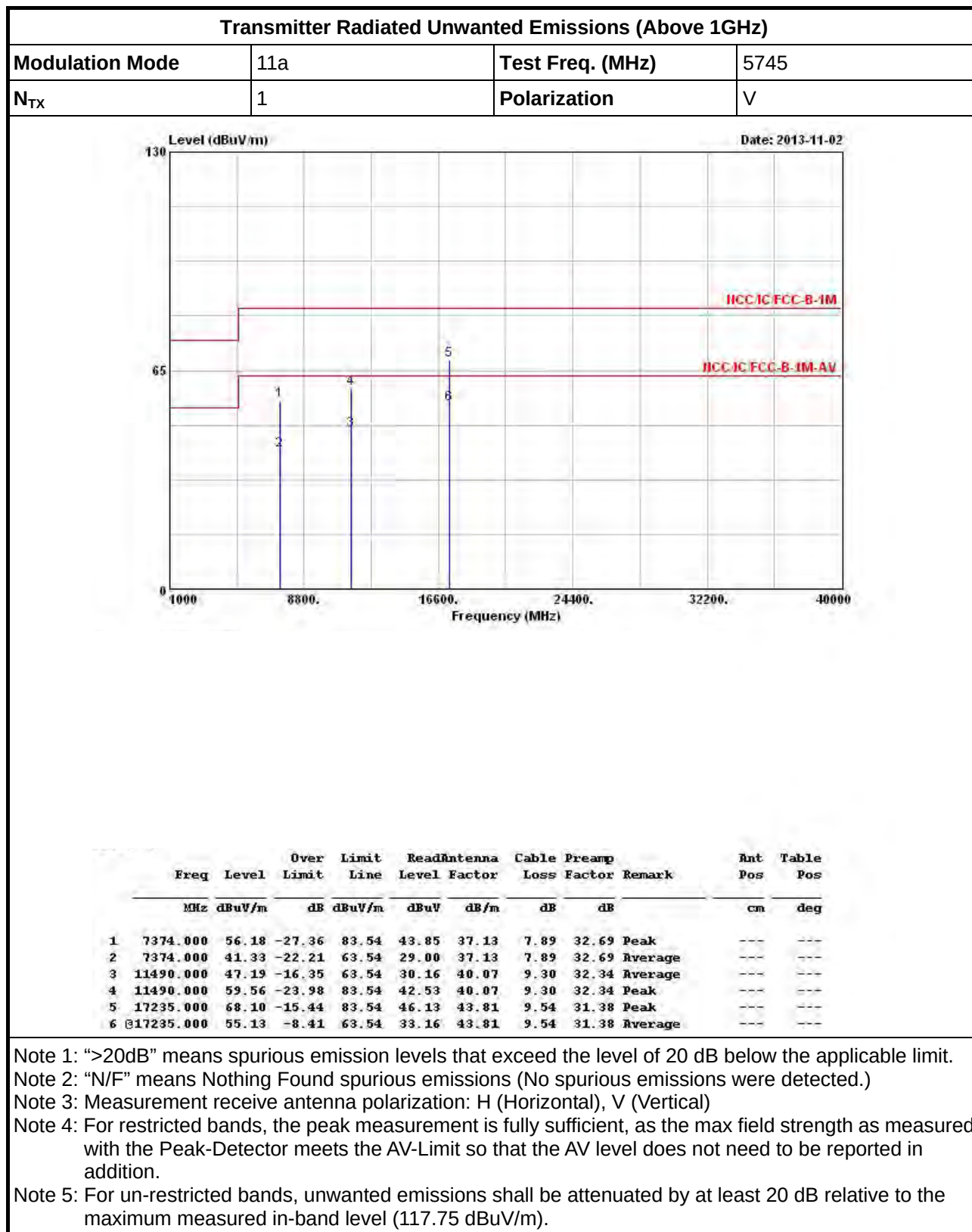
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	125.060	24.31	-19.19	43.50	37.45	12.49	1.66	27.29 Peak	---	---
2	250.190	35.44	-10.56	46.00	47.23	12.73	2.31	26.83 Peak	---	---
3	378.230	40.20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

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

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

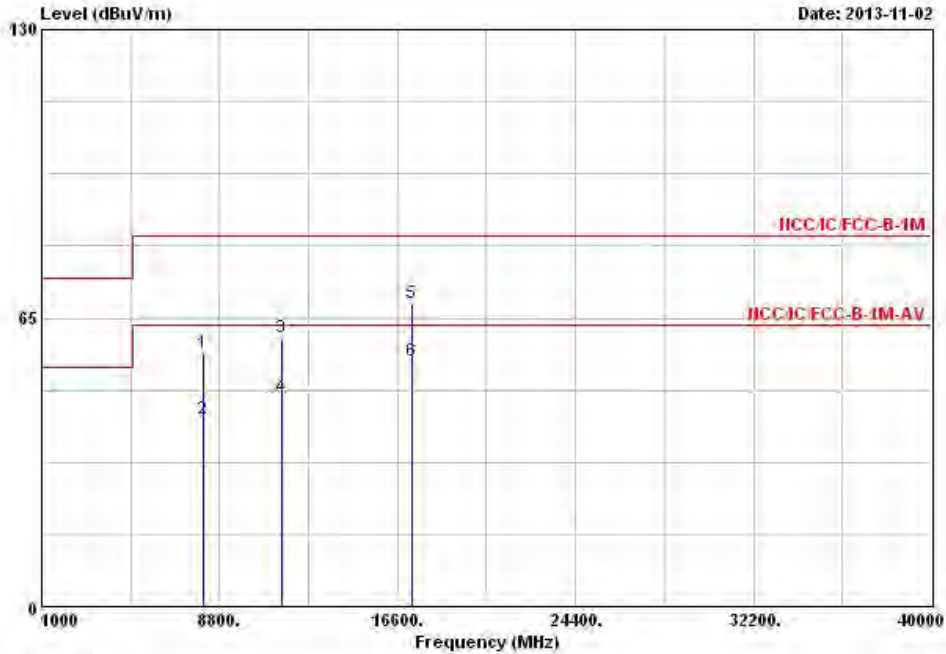
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

3.6.7 Transmitter Radiated Unwanted Emissions (Above 1GHz)



Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a	Test Freq. (MHz)	5745
N _{TX}	1	Polarization	H



	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
			dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8082.000	57.20	-26.34	83.54	44.04	37.96	8.00	32.80	Peak	---	---
2	8082.000	42.20	-21.34	63.54	29.04	37.96	8.00	32.80	Average	---	---
3	11490.000	60.56	-22.98	83.54	43.53	40.07	9.30	32.34	Peak	---	---
4	11490.000	47.35	-16.19	63.54	30.32	40.07	9.30	32.34	Average	---	---
5	17235.000	68.20	-15.34	83.54	46.23	43.81	9.54	31.38	Peak	---	---
6	17235.000	55.16	-8.38	63.54	33.19	43.81	9.54	31.38	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.)

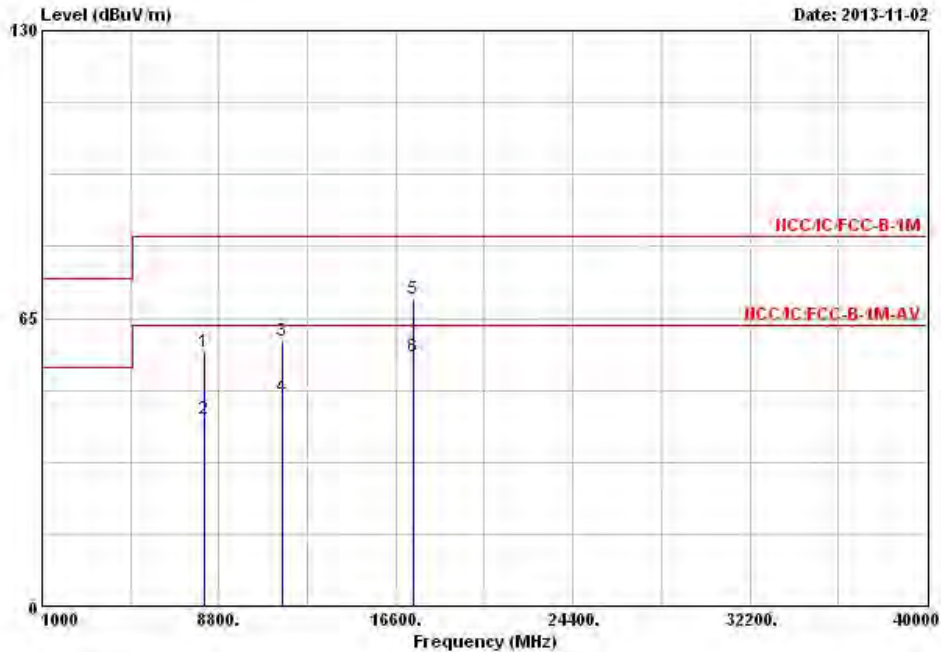
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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 (117.75 dBuV/m).

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a	Test Freq. (MHz)	5785
N _{TX}	1	Polarization	V



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8160.000	57.42	-26.12	83.54	44.18	38.08	7.96	32.80	Peak	---
2	8160.000	42.27	-21.27	63.54	29.03	38.08	7.96	32.80	Average	---
3	11570.000	59.92	-23.62	83.54	42.88	40.04	9.35	32.35	Peak	---
4	11570.000	47.38	-16.16	63.54	30.34	40.04	9.35	32.35	Average	---
5	17355.000	69.35	-14.19	83.54	46.37	44.81	9.58	31.41	Peak	---
6	17355.000	56.26	-7.28	63.54	33.28	44.81	9.58	31.41	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.)

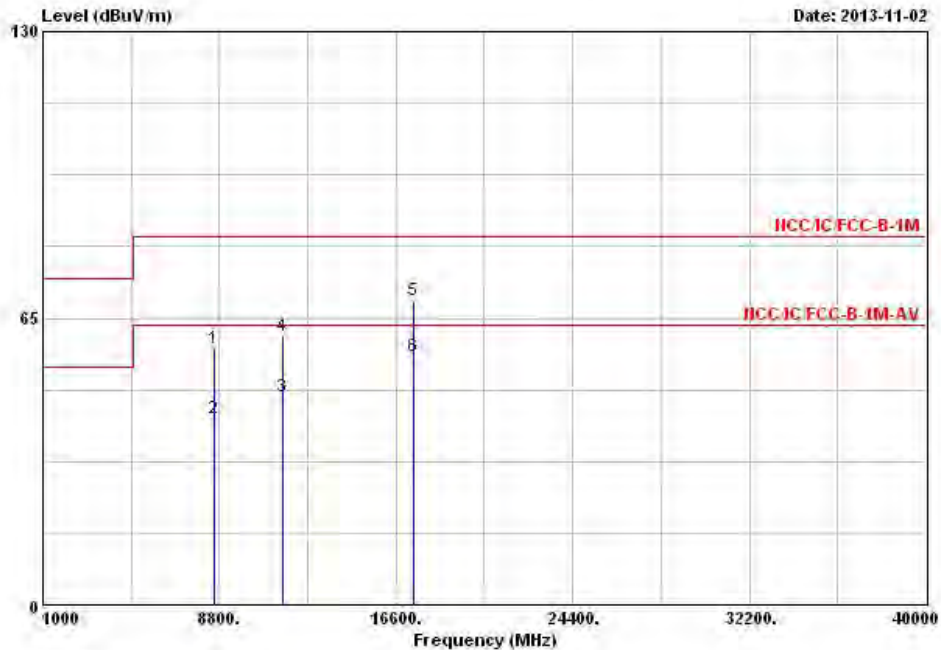
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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 (117.48 dBuV/m).

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a	Test Freq. (MHz)	5785
N _{TX}	1	Polarization	H



	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8568.000	57.97	-25.57	83.54	44.24	38.62	7.95	32.84	Peak	---	---
2	8568.000	42.33	-21.21	63.54	28.60	38.62	7.95	32.84	Average	---	---
3	11570.000	47.26	-16.28	63.54	30.22	40.04	9.35	32.35	Average	---	---
4	11570.000	60.83	-22.71	83.54	43.79	40.04	9.35	32.35	Peak	---	---
5	17355.000	69.01	-14.53	83.54	46.03	44.81	9.58	31.41	Peak	---	---
6	17355.000	56.26	-7.28	63.54	33.28	44.81	9.58	31.41	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.)

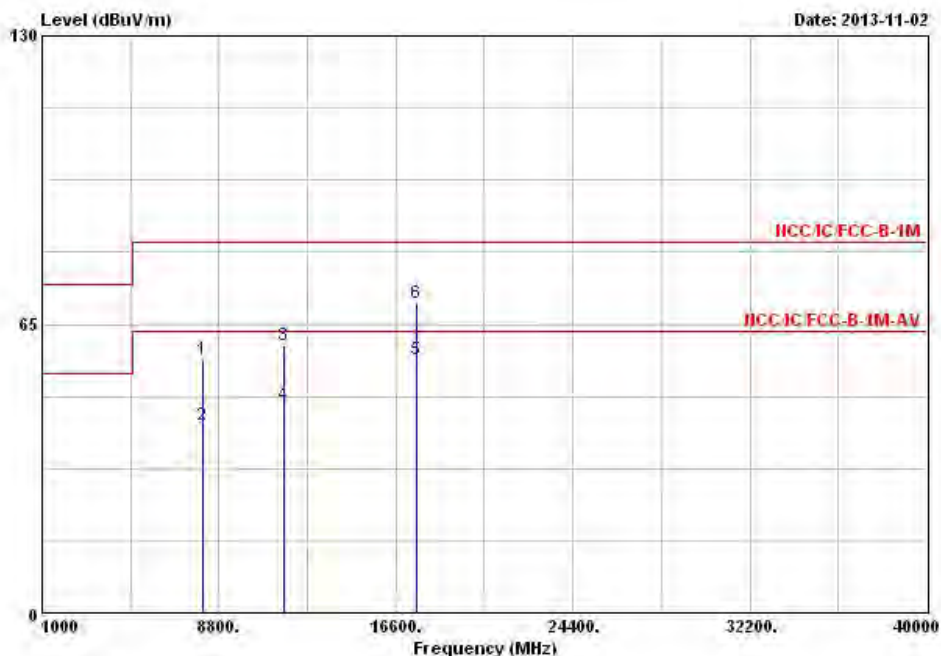
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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 (117.48 dBuV/m).

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a	Test Freq. (MHz)	5825
N _{TX}	1	Polarization	V



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8094.000	57.07	-26.47	83.54	43.91	37.96	8.00	32.80	Peak	---
2	8094.000	42.17	-21.37	63.54	29.01	37.96	8.00	32.80	Average	---
3	11650.000	60.14	-23.40	83.54	43.10	39.99	9.41	32.36	Peak	---
4	11650.000	46.86	-16.68	63.54	29.82	39.99	9.41	32.36	Average	---
5	17475.000	57.19	-6.35	63.54	33.21	45.81	9.62	31.45	Average	---
6	17475.000	69.86	-13.68	83.54	45.88	45.81	9.62	31.45	Peak	---

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

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

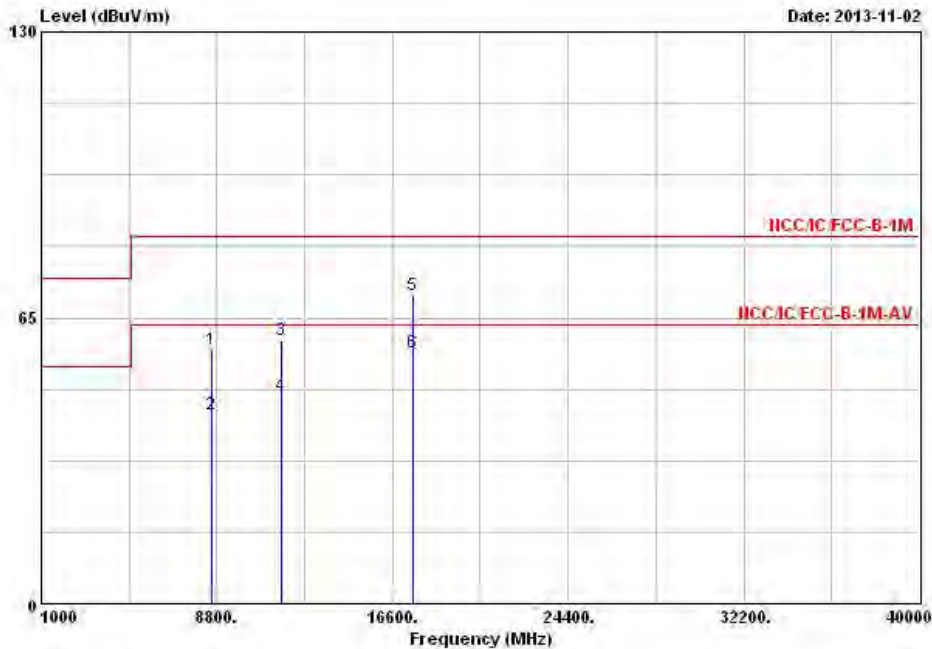
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (117.10 dBuV/m).

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a	Test Freq. (MHz)	5825
N_{TX}	1	Polarization	H



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp			Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8586.000	57.71	-25.83	83.54	43.92	38.60	8.03	32.84	Peak	---	---
2	8586.000	42.81	-20.73	63.54	29.02	38.60	8.03	32.84	Average	---	---
3	11650.000	59.88	-23.66	83.54	42.84	39.99	9.41	32.36	Peak	---	---
4	11650.000	47.36	-16.18	63.54	30.32	39.99	9.41	32.36	Average	---	---
5	17475.000	70.17	-13.37	83.54	46.19	45.81	9.62	31.45	Peak	---	---
6	17475.000	57.22	-6.32	63.54	33.24	45.81	9.62	31.45	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.)

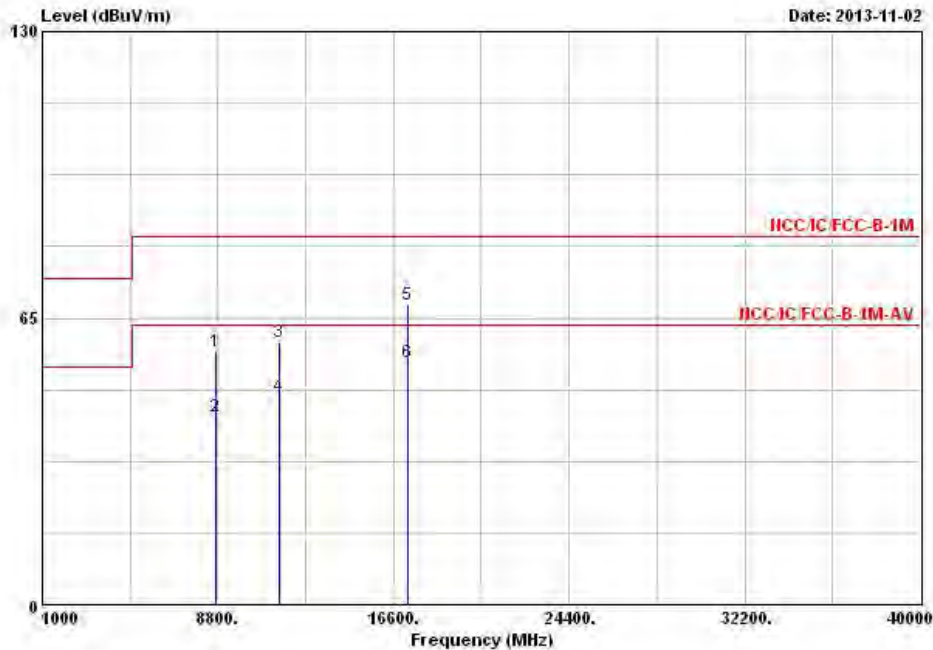
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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 (117.10 dBuV/m).

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5745
N_{TX}	1	Polarization	V



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	Remark	Rnt Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8724.000	57.37	-26.17	83.54	43.55	38.44	8.27	32.89	Peak	---
2	8724.000	42.75	-20.79	63.54	28.93	38.44	8.27	32.89	Average	---
3	11490.000	59.65	-23.89	83.54	42.62	40.07	9.30	32.34	Peak	---
4	11490.000	47.18	-16.36	63.54	30.15	40.07	9.30	32.34	Average	---
5	17235.000	67.90	-15.64	83.54	45.93	43.81	9.54	31.38	Peak	---
6	17235.000	55.06	-8.48	63.54	33.09	43.81	9.54	31.38	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.)

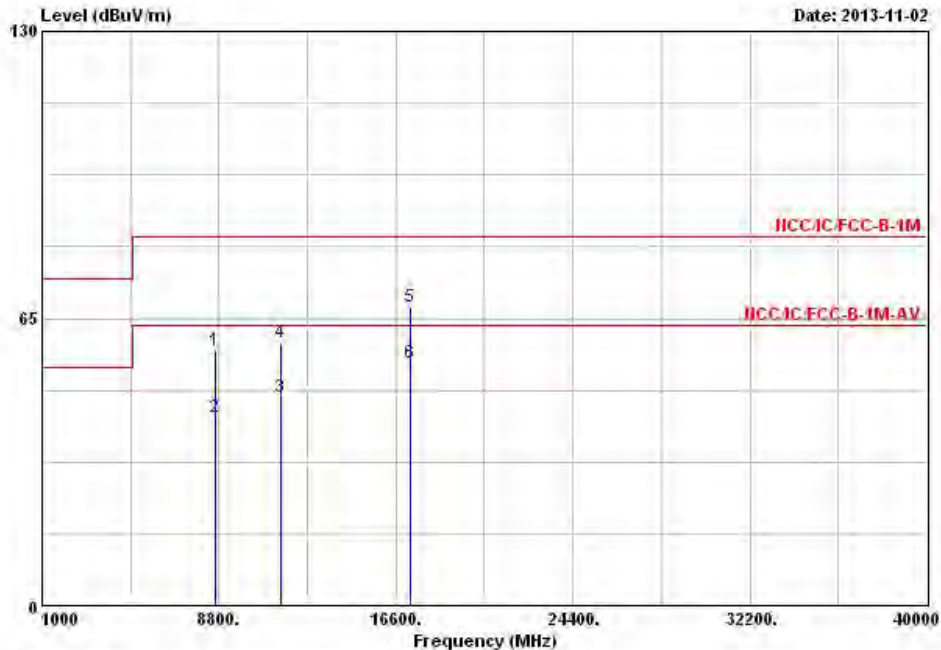
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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 (117.07 dBuV/m).

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5745
N_{TX}	1	Polarization	H



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8616.000	57.78	-25.76	83.54	44.04	38.56	8.03	32.85	Peak	---
2	8616.000	42.61	-20.93	63.54	28.87	38.56	8.03	32.85	Average	---
3	11490.000	47.13	-16.41	63.54	30.10	40.07	9.30	32.34	Average	---
4	11490.000	59.64	-23.90	83.54	42.61	40.07	9.30	32.34	Peak	---
5	17235.000	67.73	-15.81	83.54	45.76	43.81	9.54	31.38	Peak	---
6	17235.000	55.07	-8.47	63.54	33.10	43.81	9.54	31.38	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.)

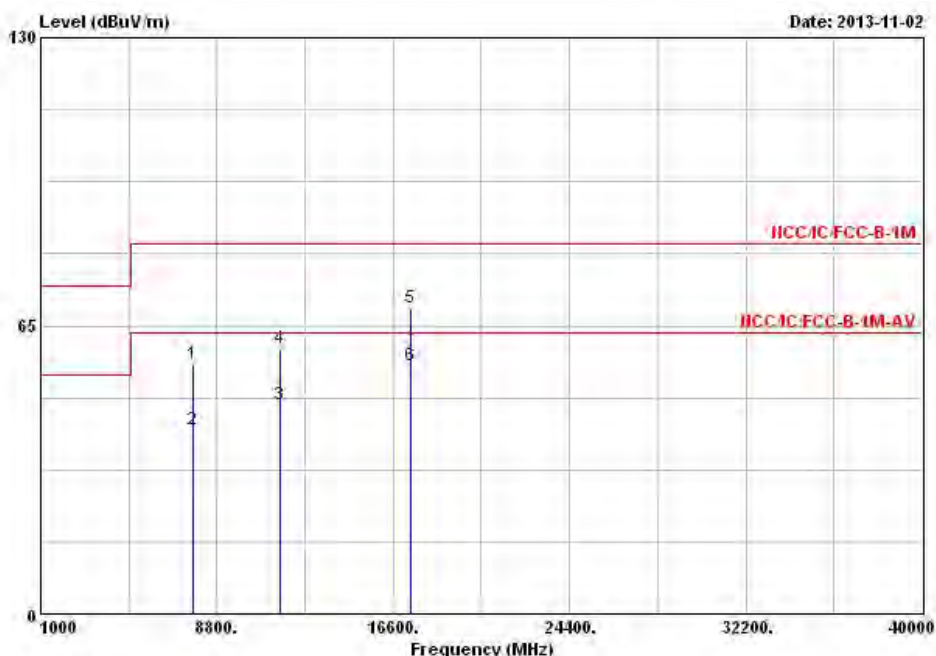
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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 (117.07 dBuV/m).

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5785
N _{TX}	1	Polarization	V



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	7770.000	56.53	-27.01	83.54	43.69	37.57	8.03	32.76	Peak	---
2	7770.000	41.74	-21.80	63.54	28.90	37.57	8.03	32.76	Average	---
3	11570.000	47.30	-16.24	63.54	30.26	40.04	9.35	32.35	Average	---
4	11570.000	59.86	-23.68	83.54	42.82	40.04	9.35	32.35	Peak	---
5	17355.000	68.97	-14.57	83.54	45.99	44.81	9.58	31.41	Peak	---
6	17355.000	56.08	-7.46	63.54	33.10	44.81	9.58	31.41	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.)

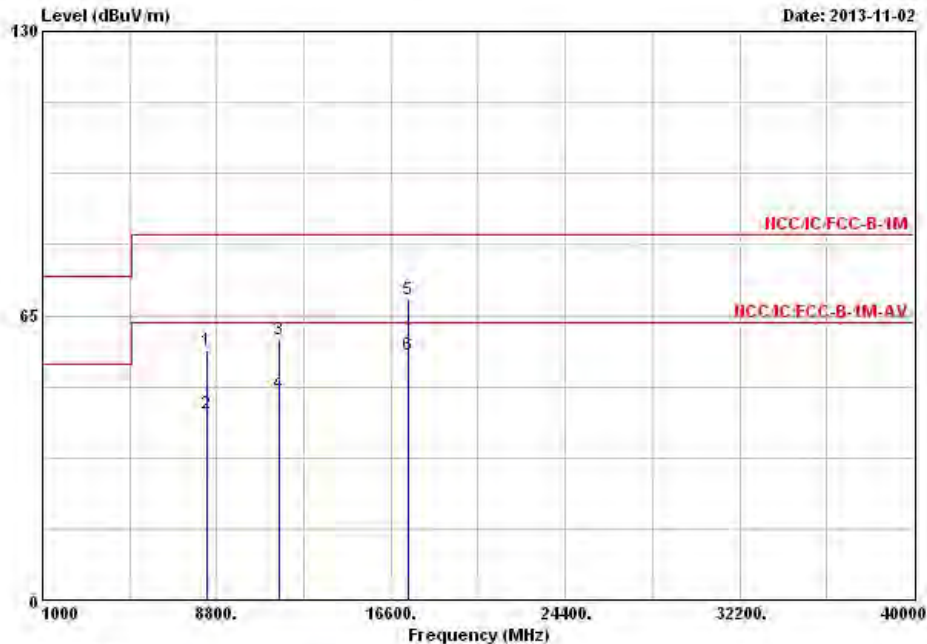
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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 (116.86 dBuV/m).

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5785
N _{TX}	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	8328.000	57.06	-26.48	83.54	43.61	38.39	7.87	32.81	Peak	---	---
2	8328.000	42.47	-21.07	63.54	29.02	38.39	7.87	32.81	Average	---	---
3	11570.000	59.60	-23.94	83.54	42.56	40.04	9.35	32.35	Peak	---	---
4	11570.000	47.37	-16.17	63.54	30.33	40.04	9.35	32.35	Average	---	---
5	17355.000	68.74	-14.80	83.54	45.76	44.81	9.58	31.41	Peak	---	---
6	17355.000	56.08	-7.46	63.54	33.10	44.81	9.58	31.41	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.)

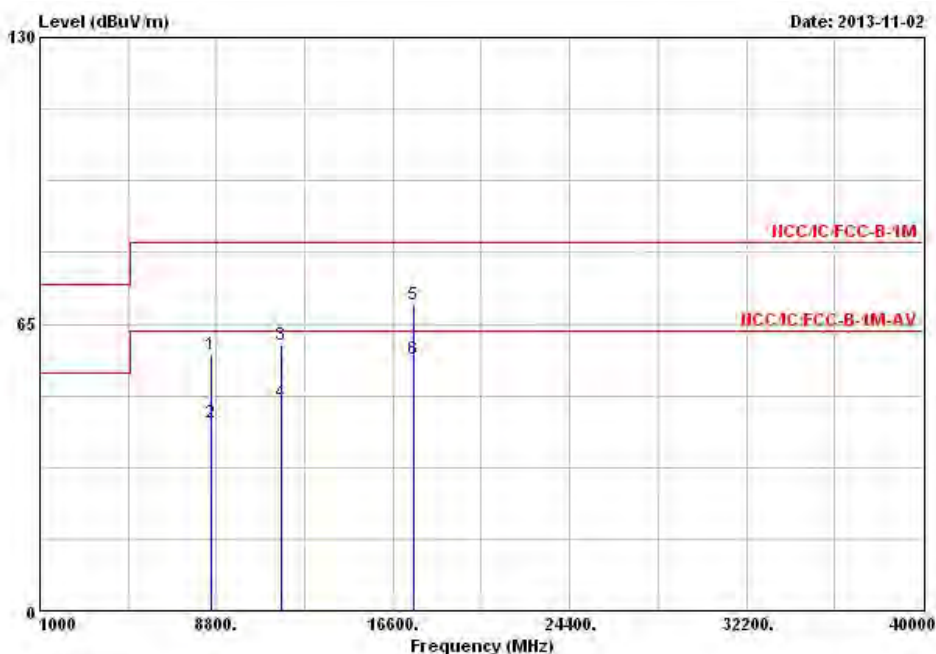
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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 (116.86 dBuV/m).

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5825
N_{TX}	1	Polarization	V



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Rnt	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8574.000	58.26	-25.28	83.54	44.55	38.60	7.95	32.84	Peak	---
2	8574.000	42.60	-20.94	63.54	28.89	38.60	7.95	32.84	Average	---
3	11650.000	60.24	-23.30	83.54	43.20	39.99	9.41	32.36	Peak	---
4	11650.000	47.23	-16.31	63.54	30.19	39.99	9.41	32.36	Average	---
5	17475.000	69.32	-14.22	83.54	45.34	45.81	9.62	31.45	Peak	---
6	17475.000	57.10	-6.44	63.54	33.12	45.81	9.62	31.45	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.)

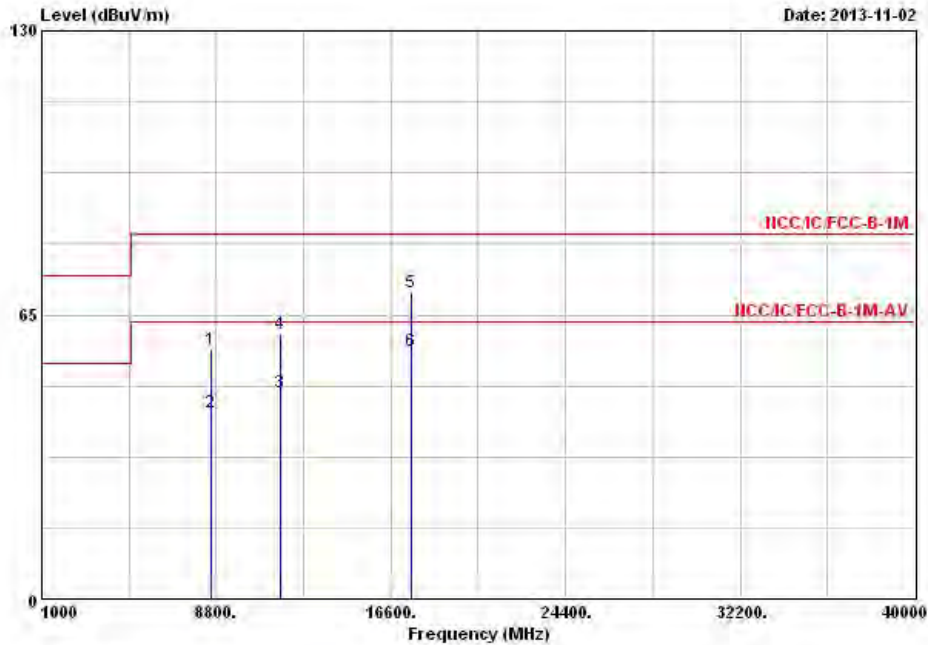
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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 (116.54 dBuV/m).

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5825
N _{TX}	1	Polarization	H



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8568.000	57.12	-26.42	83.54	43.39	38.62	7.95	32.84	Peak	---
2	8568.000	42.64	-20.90	63.54	28.91	38.62	7.95	32.84	Average	---
3	11650.000	47.17	-16.37	63.54	30.13	39.99	9.41	32.36	Average	---
4	11650.000	60.55	-22.99	83.54	43.51	39.99	9.41	32.36	Peak	---
5	17475.000	70.26	-13.28	83.54	46.28	45.81	9.62	31.45	Peak	---
6	17475.000	56.68	-6.86	63.54	32.70	45.81	9.62	31.45	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.)

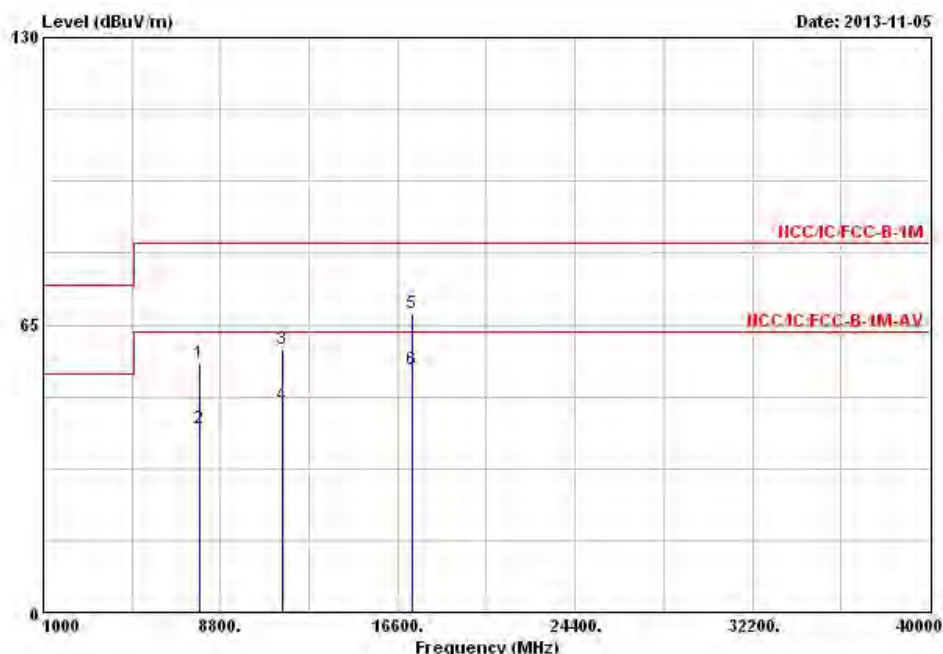
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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 (116.54 dBuV/m).

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5745
N_{TX}	2	Polarization	V



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	7866.000	56.28	-27.26	83.54	43.34	37.67	8.05	32.78	Peak	---
2	7866.000	41.68	-21.86	63.54	28.74	37.67	8.05	32.78	Average	---
3	11490.000	59.68	-23.86	83.54	42.65	40.07	9.30	32.34	Peak	---
4	11490.000	46.80	-16.74	63.54	29.77	40.07	9.30	32.34	Average	---
5	17235.000	67.70	-15.84	83.54	45.73	43.81	9.54	31.38	Peak	---
6	17235.000	54.80	-8.74	63.54	32.83	43.81	9.54	31.38	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.)

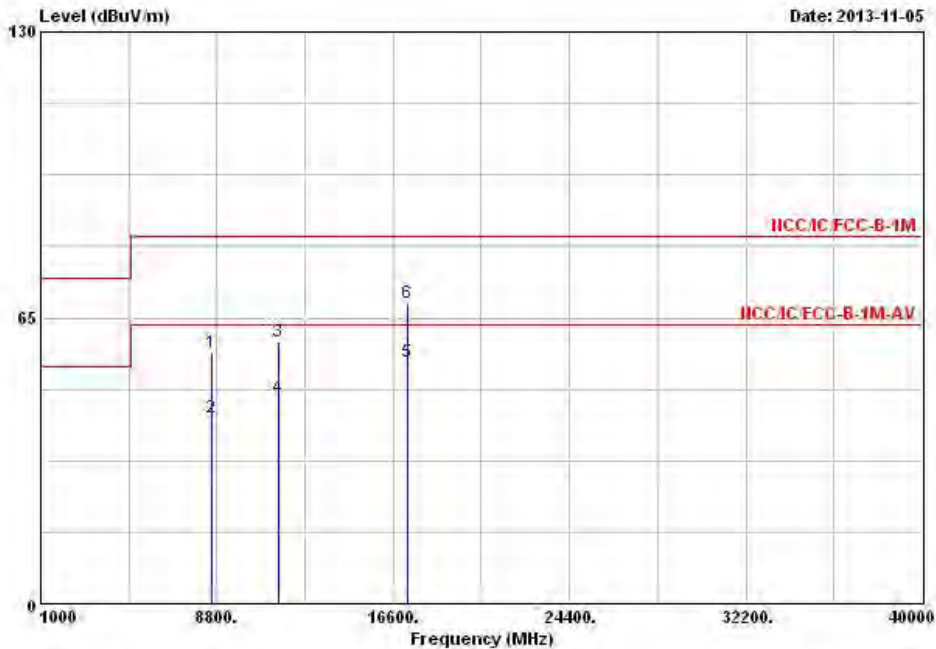
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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 (112.14 dBuV/m).

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5745
N_{TX}	2	Polarization	H



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp			Rnt	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8574.000	57.23	-26.31	83.54	43.52	38.60	7.95	32.84	Peak	---	---
2	8574.000	42.45	-21.09	63.54	28.74	38.60	7.95	32.84	Average	---	---
3	11490.000	59.61	-23.93	83.54	42.58	40.07	9.30	32.34	Peak	---	---
4	11490.000	46.75	-16.79	63.54	29.72	40.07	9.30	32.34	Average	---	---
5	17235.000	54.80	-8.74	63.54	32.83	43.81	9.54	31.38	Average	---	---
6	17235.000	68.41	-15.13	83.54	46.44	43.81	9.54	31.38	Peak	---	---

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

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

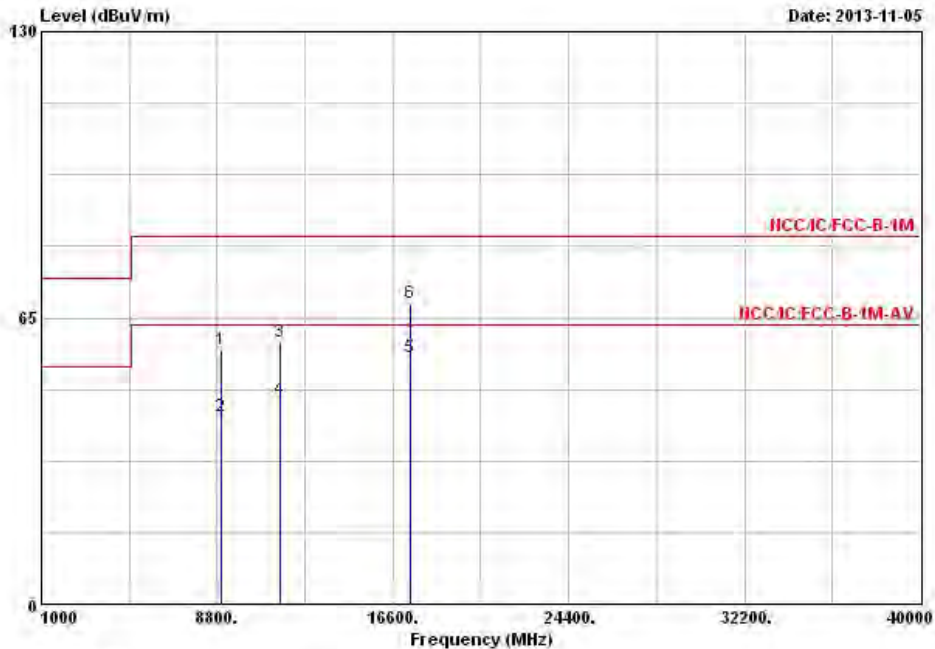
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (112.14 dBuV/m).

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5785
N_{TX}	2	Polarization	V



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Rnt	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8970.000	57.84	-25.70	83.54	43.92	38.14	8.75	32.97	Peak	---
2	8970.000	42.60	-20.94	63.54	28.68	38.14	8.75	32.97	Average	---
3	11570.000	59.50	-24.04	83.54	42.46	40.04	9.35	32.35	Peak	---
4	11570.000	46.61	-16.93	63.54	29.57	40.04	9.35	32.35	Average	---
5	17355.000	55.84	-7.70	63.54	32.86	44.81	9.58	31.41	Average	---
6	17355.000	68.30	-15.24	83.54	45.32	44.81	9.58	31.41	Peak	---

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

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

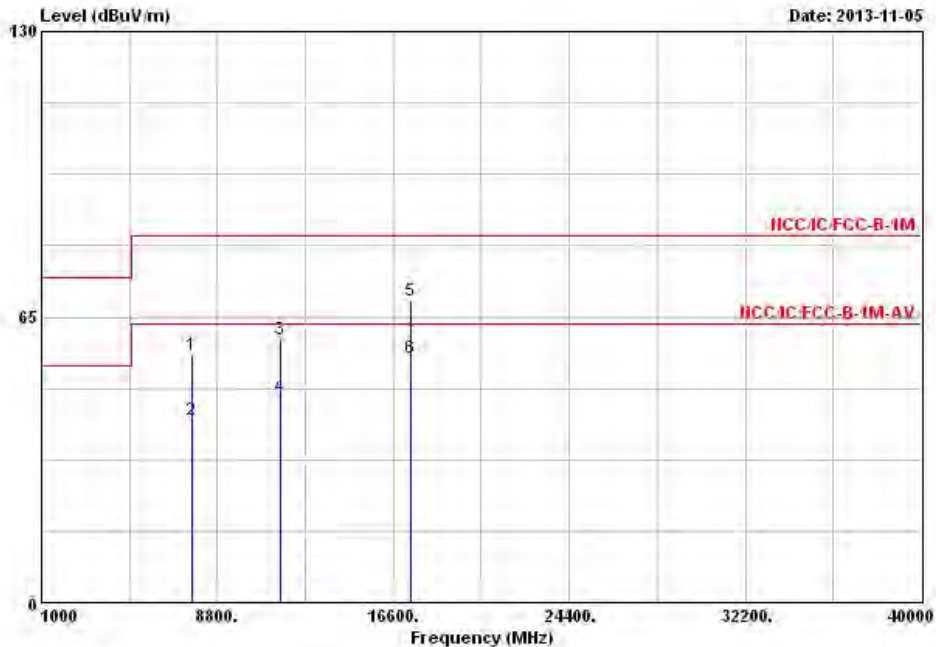
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-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 (111.21 dBuV/m).

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5785
N_{TX}	2	Polarization	H



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	7650.000	56.42	-27.12	83.54	43.70	37.45	8.01	32.74	Peak	---	---
2	7650.000	41.43	-22.11	63.54	28.71	37.45	8.01	32.74	Average	---	---
3	11570.000	59.74	-23.80	83.54	42.70	40.04	9.35	32.35	Peak	---	---
4	11570.000	46.74	-16.80	63.54	29.70	40.04	9.35	32.35	Average	---	---
5	17355.000	68.66	-14.88	83.54	45.68	44.81	9.58	31.41	Peak	---	---
6	17355.000	55.80	-7.74	63.54	32.82	44.81	9.58	31.41	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.)

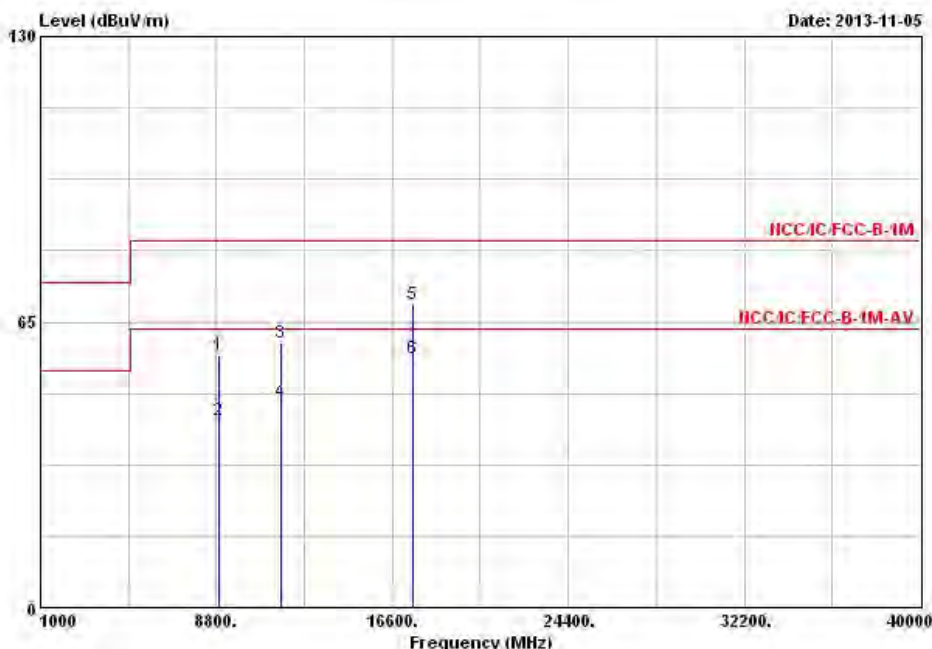
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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 (111.21 dBuV/m).

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5825
N_{TX}	2	Polarization	V



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8898.000	57.31	-26.23	83.54	43.37	38.22	8.67	32.95	Peak	---	---
2	8898.000	42.66	-20.88	63.54	28.72	38.22	8.67	32.95	Average	---	---
3	11650.000	60.27	-23.27	83.54	43.23	39.99	9.41	32.36	Peak	---	---
4	11650.000	46.68	-16.86	63.54	29.64	39.99	9.41	32.36	Average	---	---
5	17475.000	69.11	-14.43	83.54	45.13	45.81	9.62	31.45	Peak	---	---
6	17475.000	56.87	-6.67	63.54	32.89	45.81	9.62	31.45	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.)

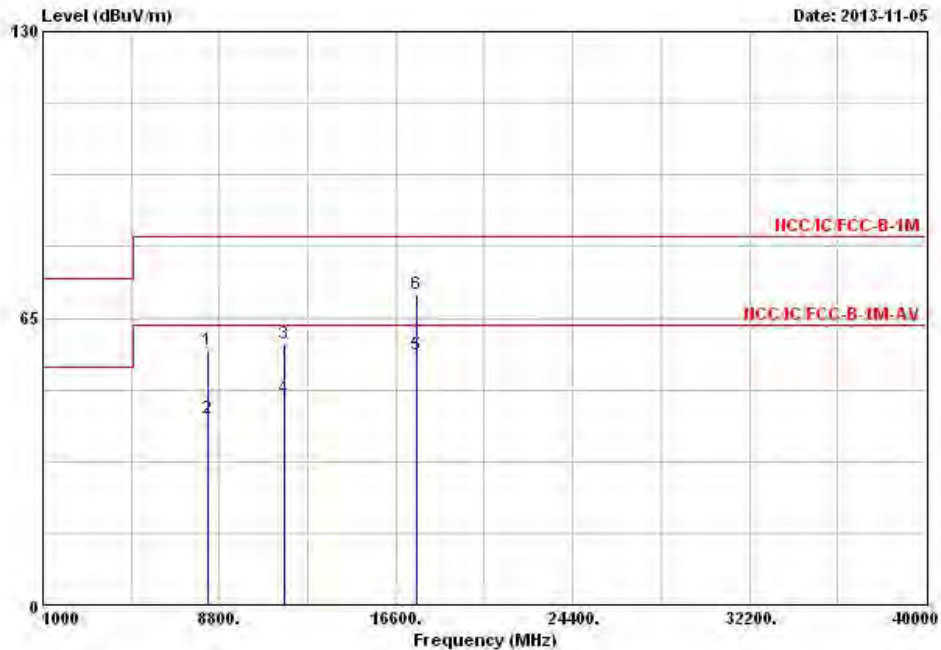
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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 (111.09 dBuV/m).

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT20	Test Freq. (MHz)	5825
N _{TX}	2	Polarization	H



	Freq	Level	Limit	Line	Level Factor	Loss Factor	Remark	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	deg
1	8322.000	57.73	-25.81	83.54	44.28	38.39	7.87 32.81	Peak
2	8322.000	42.18	-21.36	63.54	28.73	38.39	7.87 32.81	Average
3	11650.000	59.28	-24.26	83.54	42.24	39.99	9.41 32.36	Peak
4	11650.000	46.71	-16.83	63.54	29.67	39.99	9.41 32.36	Average
5	17475.000	56.78	-6.76	63.54	32.80	45.81	9.62 31.45	Average
6	17475.000	70.50	-13.04	83.54	46.52	45.81	9.62 31.45	Peak

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

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

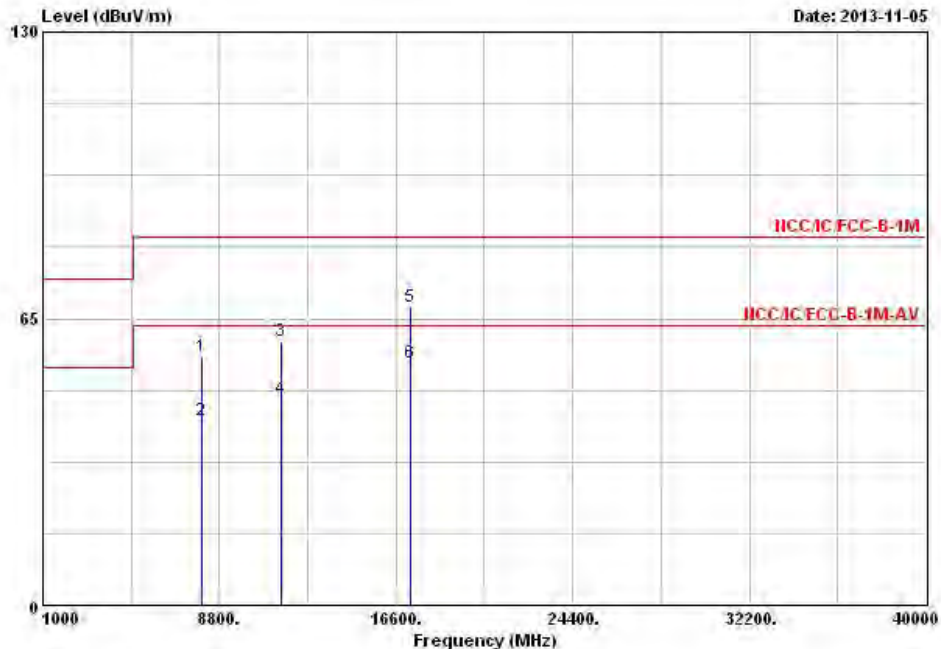
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (111.09 dBuV/m).

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT40	Test Freq. (MHz)	5755
N_{TX}	1	Polarization	V



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8022.000	56.20	-27.34	83.54	43.12	37.83	8.05	32.80	Peak	---
2	8022.000	41.80	-21.74	63.54	28.72	37.83	8.05	32.80	Average	---
3	11510.000	59.76	-23.78	83.54	42.70	40.10	9.30	32.34	Peak	---
4	11510.000	46.74	-16.80	63.54	29.68	40.10	9.30	32.34	Average	---
5	17265.000	67.51	-16.03	83.54	45.26	44.09	9.55	31.39	Peak	---
6	17265.000	54.99	-8.55	63.54	32.74	44.09	9.55	31.39	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.)

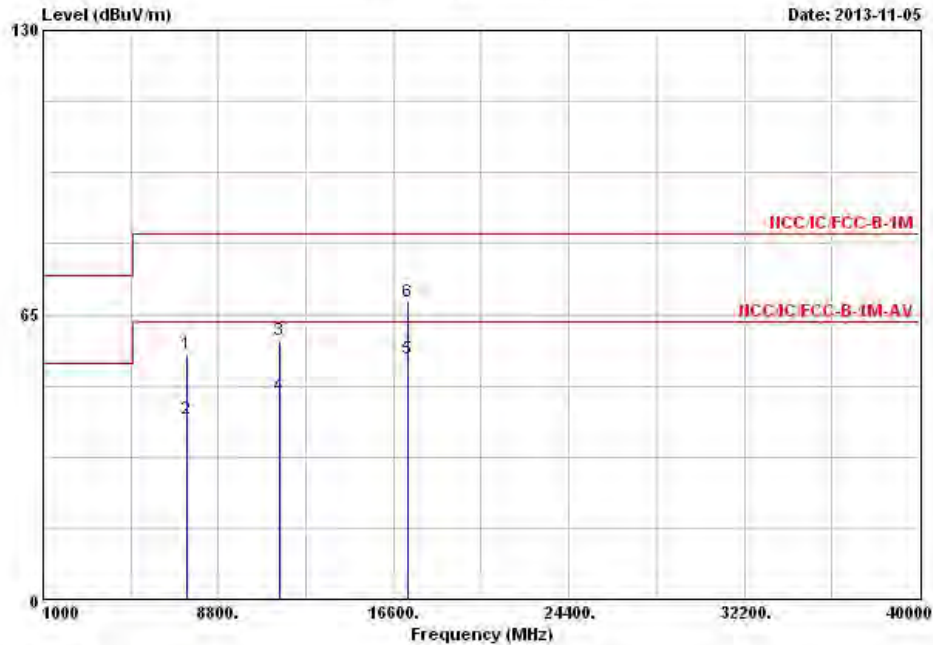
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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 (114.62 dBuV/m).

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT40	Test Freq. (MHz)	5755
N_{TX}	1	Polarization	H



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	7416.000	56.19	-27.35	83.54	43.77	37.18	7.94	32.70	Peak	---	---
2	7416.000	41.07	-22.47	63.54	28.65	37.18	7.94	32.70	Average	---	---
3	11510.000	59.27	-24.27	83.54	42.21	40.10	9.30	32.34	Peak	---	---
4	11510.000	46.67	-16.87	63.54	29.61	40.10	9.30	32.34	Average	---	---
5	17265.000	55.04	-8.50	63.54	32.79	44.09	9.55	31.39	Average	---	---
6	17265.000	67.86	-15.68	83.54	45.61	44.09	9.55	31.39	Peak	---	---

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

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

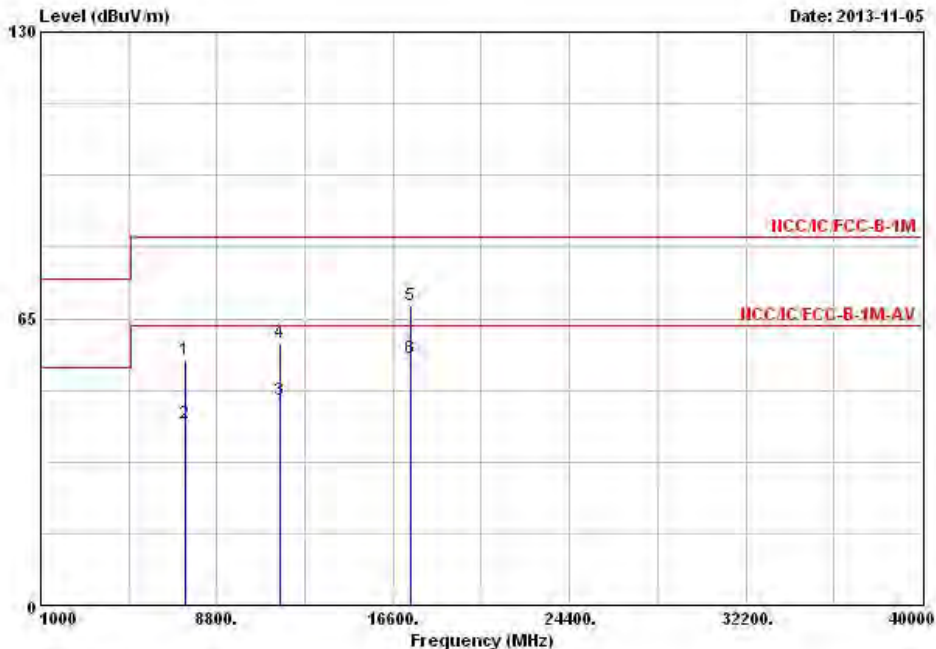
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (114.62 dBuV/m).

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT40	Test Freq. (MHz)	5795
N_{TX}	1	Polarization	V



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	7422.000	55.79	-27.75	83.54	43.35	37.20	7.94	32.70	Peak	---
2	7422.000	41.07	-22.47	63.54	28.63	37.20	7.94	32.70	Average	---
3	11590.000	46.57	-16.97	63.54	29.51	40.03	9.38	32.35	Average	---
4	11590.000	59.49	-24.05	83.54	42.43	40.03	9.38	32.35	Peak	---
5	17385.000	68.00	-15.54	83.54	44.74	45.10	9.59	31.43	Peak	---
6	17385.000	56.00	-7.54	63.54	32.74	45.10	9.59	31.43	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.)

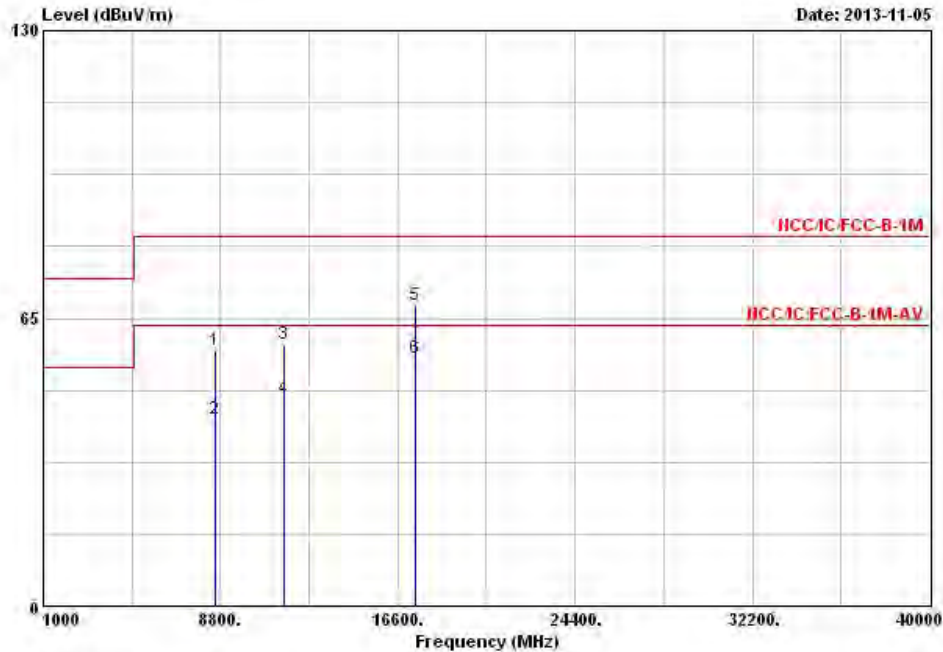
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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 (115.11 dBuV/m).

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT40	Test Freq. (MHz)	5795
N _{TX}	1	Polarization	H



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8580.000	57.79	-25.75	83.54	44.08	38.60	7.95	32.84	Peak	---
2	8580.000	42.32	-21.22	63.54	28.61	38.60	7.95	32.84	Average	---
3	11590.000	59.09	-24.45	83.54	42.03	40.03	9.38	32.35	Peak	---
4	11590.000	46.71	-16.83	63.54	29.65	40.03	9.38	32.35	Average	---
5	17385.000	67.97	-15.57	83.54	44.71	45.10	9.59	31.43	Peak	---
6	17385.000	56.01	-7.53	63.54	32.75	45.10	9.59	31.43	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.)

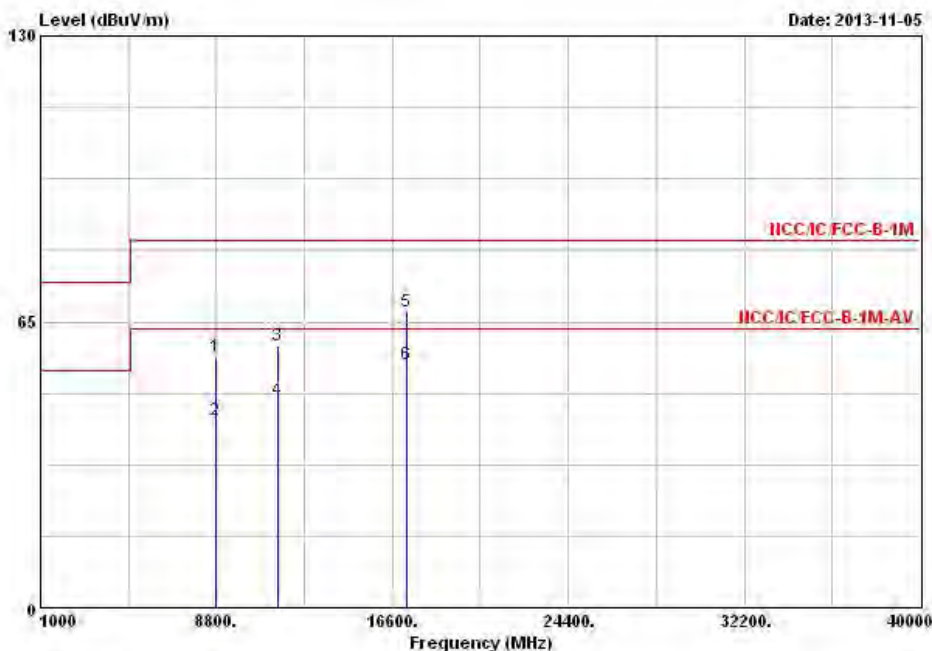
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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 (115.11 dBuV/m).

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT40	Test Freq. (MHz)	5755
N _{TX}	2	Polarization	V



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8802.000	56.99	-26.55	83.54	43.13	38.34	8.43	32.91	Peak	---
2	8802.000	42.68	-20.86	63.54	28.82	38.34	8.43	32.91	Average	---
3	11510.000	59.69	-23.85	83.54	42.63	40.10	9.30	32.34	Peak	---
4	11510.000	47.04	-16.50	63.54	29.98	40.10	9.30	32.34	Average	---
5	17265.000	67.40	-16.14	83.54	45.15	44.09	9.55	31.39	Peak	---
6	17265.000	55.16	-8.38	63.54	32.91	44.09	9.55	31.39	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.)

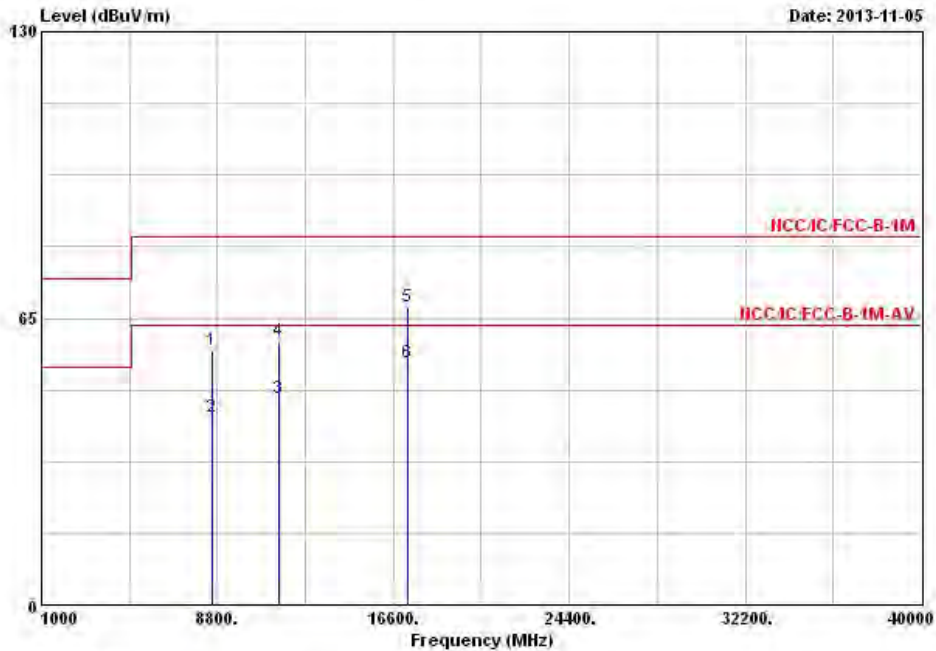
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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 (110.19 dBuV/m).

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT40	Test Freq. (MHz)	5755
N _{TX}	2	Polarization	H



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp			
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark	Ant	Table
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8580.000	57.87	-25.67	83.54	44.16	38.60	7.95	32.84	Peak	---
2	8580.000	42.46	-21.08	63.54	28.75	38.60	7.95	32.84	Average	---
3	11510.000	46.75	-16.79	63.54	29.69	40.10	9.30	32.34	Average	---
4	11510.000	59.77	-23.77	83.54	42.71	40.10	9.30	32.34	Peak	---
5	17265.000	67.57	-15.97	83.54	45.32	44.09	9.55	31.39	Peak	---
6	17265.000	55.12	-8.42	63.54	32.87	44.09	9.55	31.39	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.)

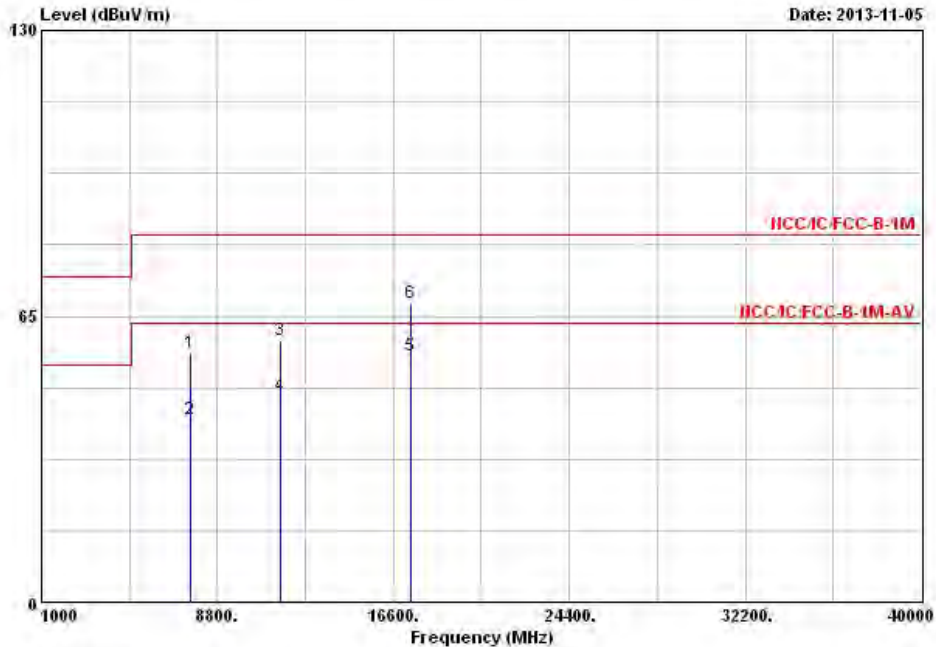
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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 (110.19 dBuV/m).

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT40	Test Freq. (MHz)	5795
N _{TX}	2	Polarization	V



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Rnt	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	7596.000	56.59	-26.95	83.54	43.94	37.40	7.99	32.74	Peak	---
2	7596.000	41.40	-22.14	63.54	28.75	37.40	7.99	32.74	Average	---
3	11590.000	59.69	-23.85	83.54	42.63	40.03	9.38	32.35	Peak	---
4	11590.000	46.80	-16.74	63.54	29.74	40.03	9.38	32.35	Average	---
5	17385.000	56.18	-7.36	63.54	32.92	45.10	9.59	31.43	Average	---
6	17385.000	68.15	-15.39	83.54	44.89	45.10	9.59	31.43	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.)

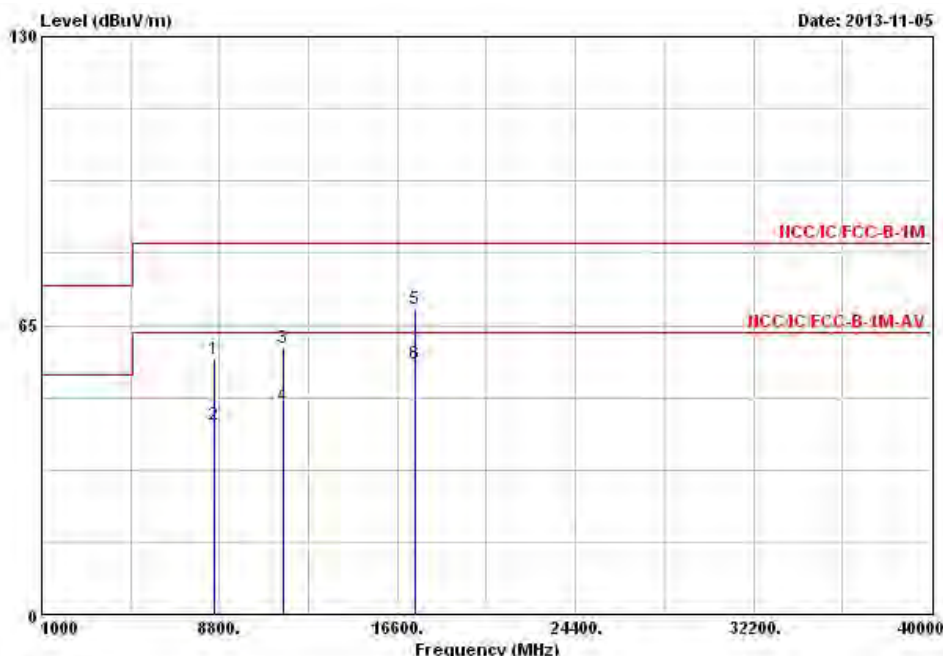
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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 (109.11 dBuV/m).

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	HT40	Test Freq. (MHz)	5795
N _{TX}	2	Polarization	H



	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
			dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8580.000	57.45	-26.09	83.54	43.74	38.60	7.95	32.84	Peak	---	---
2	8580.000	42.46	-21.08	63.54	28.75	38.60	7.95	32.84	Average	---	---
3	11590.000	59.85	-23.69	83.54	42.79	40.03	9.38	32.35	Peak	---	---
4	11590.000	46.91	-16.63	63.54	29.85	40.03	9.38	32.35	Average	---	---
5	17385.000	68.78	-14.76	83.54	45.52	45.10	9.59	31.43	Peak	---	---
6	17385.000	56.28	-7.26	63.54	33.02	45.10	9.59	31.43	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.)

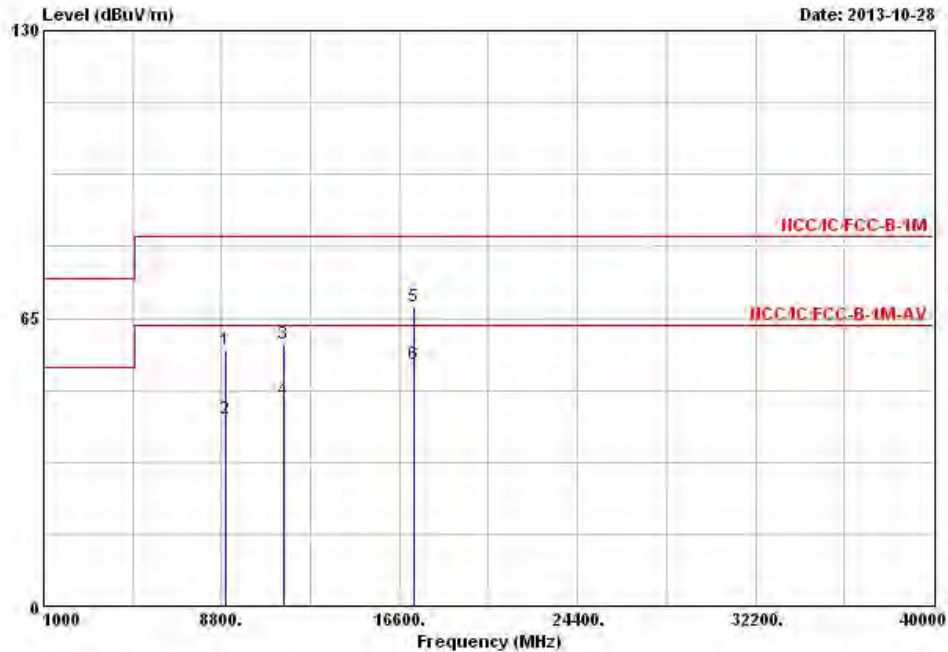
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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 (109.11 dBuV/m).

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT20	Test Freq. (MHz)	5745
N_{TX}	1	Polarization	V



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8976.000	57.61	-25.93	83.54	43.61	38.14	8.83	32.97	Peak	---
2	8976.000	42.34	-21.20	63.54	28.34	38.14	8.83	32.97	Average	---
3	11490.000	59.36	-24.18	83.54	42.33	40.07	9.30	32.34	Peak	---
4	11490.000	46.52	-17.02	63.54	29.49	40.07	9.30	32.34	Average	---
5	17235.000	67.63	-15.91	83.54	45.66	43.81	9.54	31.38	Peak	---
6	17235.000	54.44	-9.10	63.54	32.47	43.81	9.54	31.38	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.)

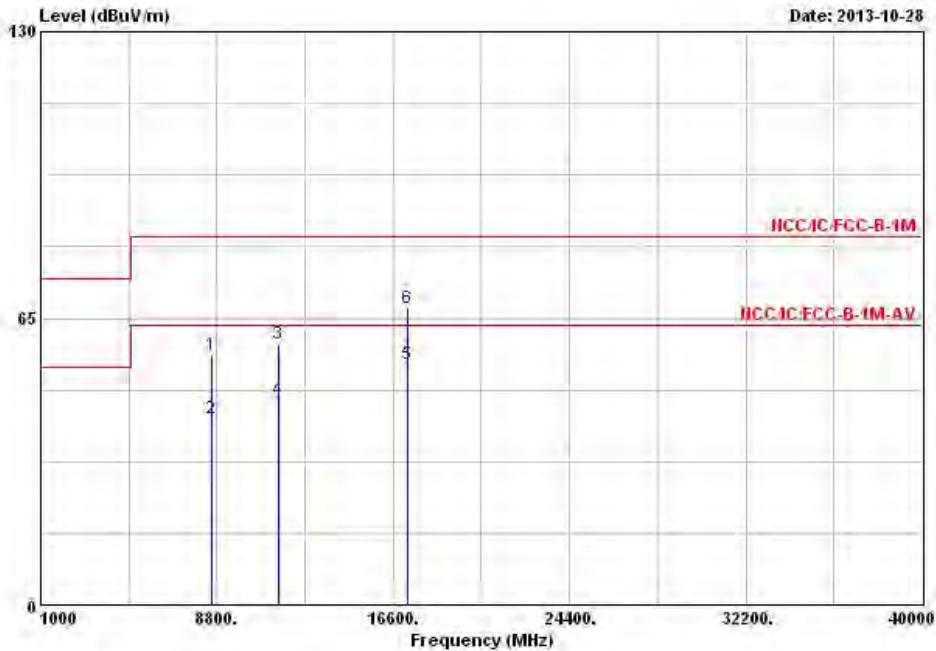
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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 (116.73 dBuV/m).

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT20	Test Freq. (MHz)	5745
N _{TX}	1	Polarization	H



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark	Pos	Pos
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8586.000	56.76	-26.78	83.54	42.97	38.60	8.03	32.84	Peak	---
2	8586.000	42.10	-21.44	63.54	28.31	38.60	8.03	32.84	Average	---
3	11490.000	59.17	-24.37	83.54	42.14	40.07	9.30	32.34	Peak	---
4	11490.000	46.63	-16.91	63.54	29.60	40.07	9.30	32.34	Average	---
5	17235.000	54.45	-9.09	63.54	32.48	43.81	9.54	31.38	Average	---
6	17235.000	67.34	-16.20	83.54	45.37	43.81	9.54	31.38	Peak	---

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

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

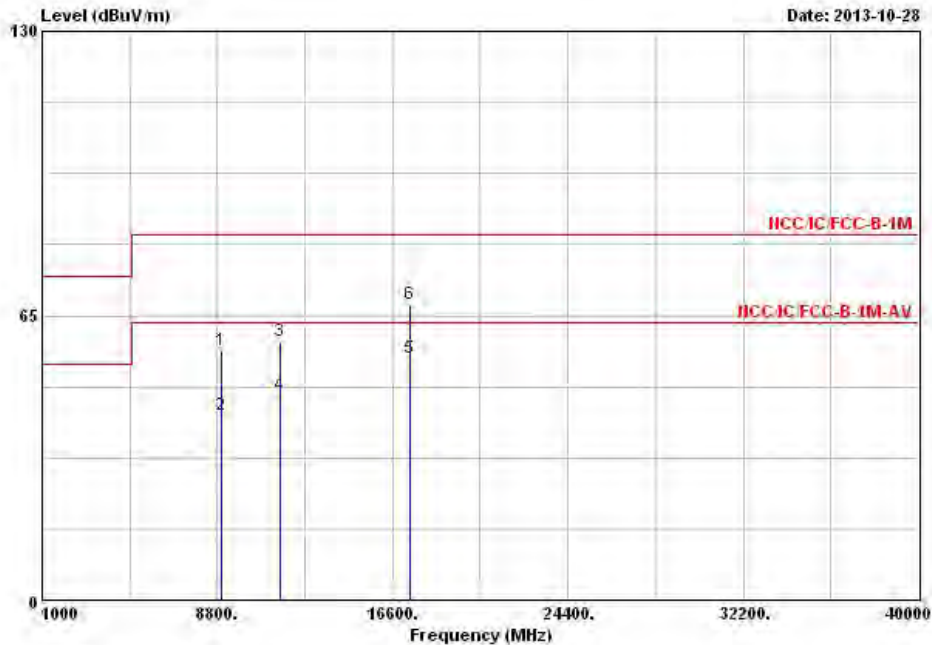
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (116.73 dBuV/m).

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT20	Test Freq. (MHz)	5785
N_{TX}	1	Polarization	V



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Rnt	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8952.000	57.17	-26.37	83.54	43.22	38.16	8.75	32.96	Peak	---
2	8952.000	42.27	-21.27	63.54	28.32	38.16	8.75	32.96	Average	---
3	11570.000	59.22	-24.32	83.54	42.18	40.04	9.35	32.35	Peak	---
4	11570.000	46.76	-16.78	63.54	29.72	40.04	9.35	32.35	Average	---
5	17355.000	55.42	-8.12	63.54	32.44	44.81	9.58	31.41	Average	---
6	17355.000	67.73	-15.81	83.54	44.75	44.81	9.58	31.41	Peak	---

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

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

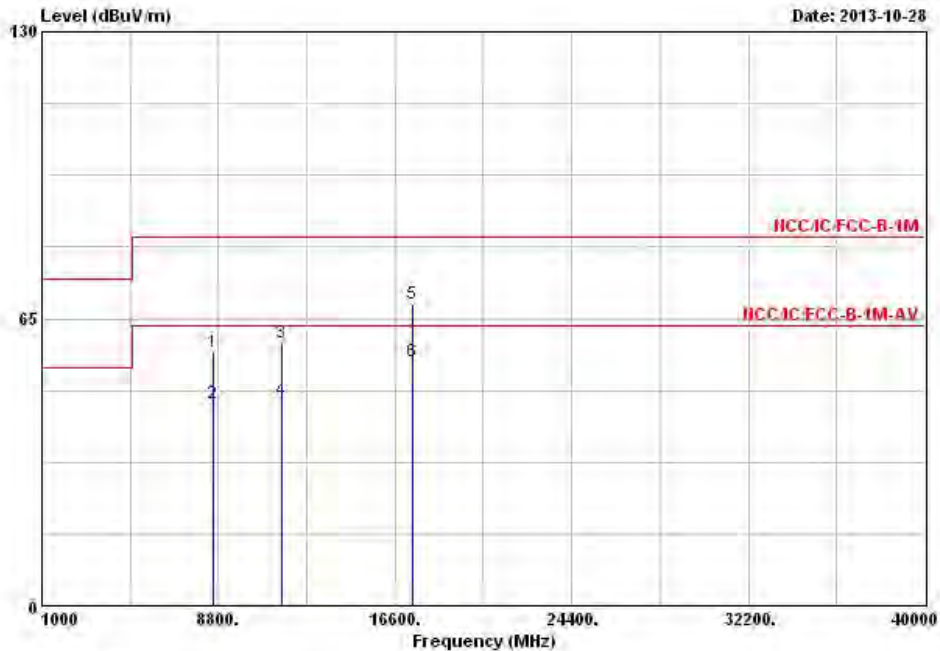
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-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 (116.38 dBuV/m).

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT20	Test Freq. (MHz)	5785
N _{TX}	1	Polarization	H



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Rnt	Table
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark	Pos	Pos
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8568.000	57.45	-26.09	83.54	43.72	38.62	7.95	32.84	Peak	---
2	8568.000	45.77	-17.77	63.54	32.04	38.62	7.95	32.84	Average	---
3	11570.000	59.62	-23.92	83.54	42.58	40.04	9.35	32.35	Peak	---
4	11570.000	46.59	-16.95	63.54	29.55	40.04	9.35	32.35	Average	---
5	17355.000	68.39	-15.15	83.54	45.41	44.81	9.58	31.41	Peak	---
6	17355.000	55.47	-8.07	63.54	32.49	44.81	9.58	31.41	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.)

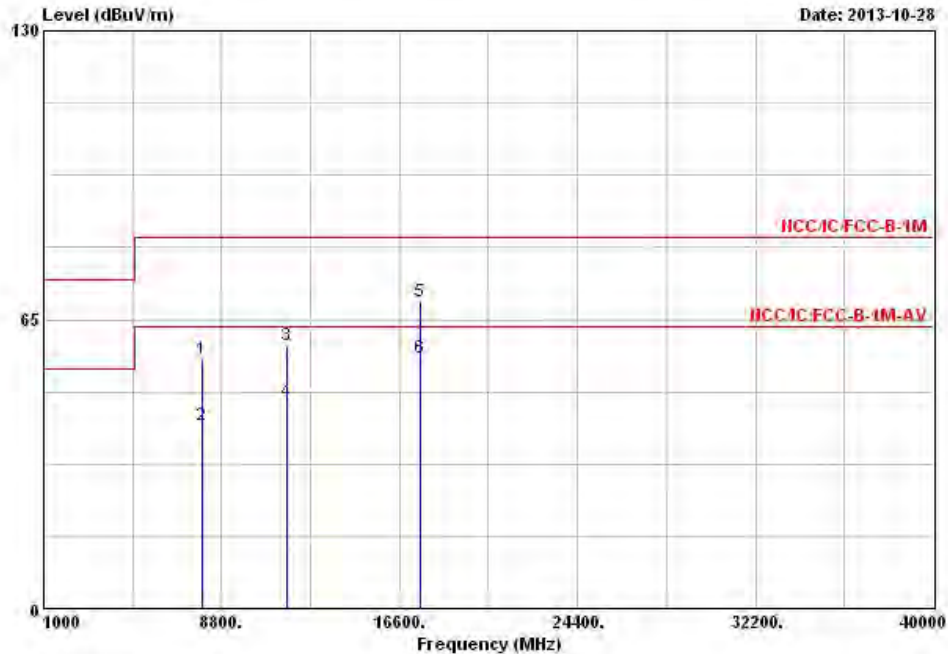
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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 (116.38 dBuV/m).

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT20	Test Freq. (MHz)	5825
N_{TX}	1	Polarization	V



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	7968.000	55.85	-27.69	83.54	42.80	37.77	8.07	32.79	Peak	---
2	7968.000	41.30	-22.24	63.54	28.25	37.77	8.07	32.79	Average	---
3	11650.000	59.26	-24.28	83.54	42.22	39.99	9.41	32.36	Peak	---
4	11650.000	46.61	-16.93	63.54	29.57	39.99	9.41	32.36	Average	---
5	17475.000	68.90	-14.64	83.54	44.92	45.81	9.62	31.45	Peak	---
6	17475.000	56.52	-7.02	63.54	32.54	45.81	9.62	31.45	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.)

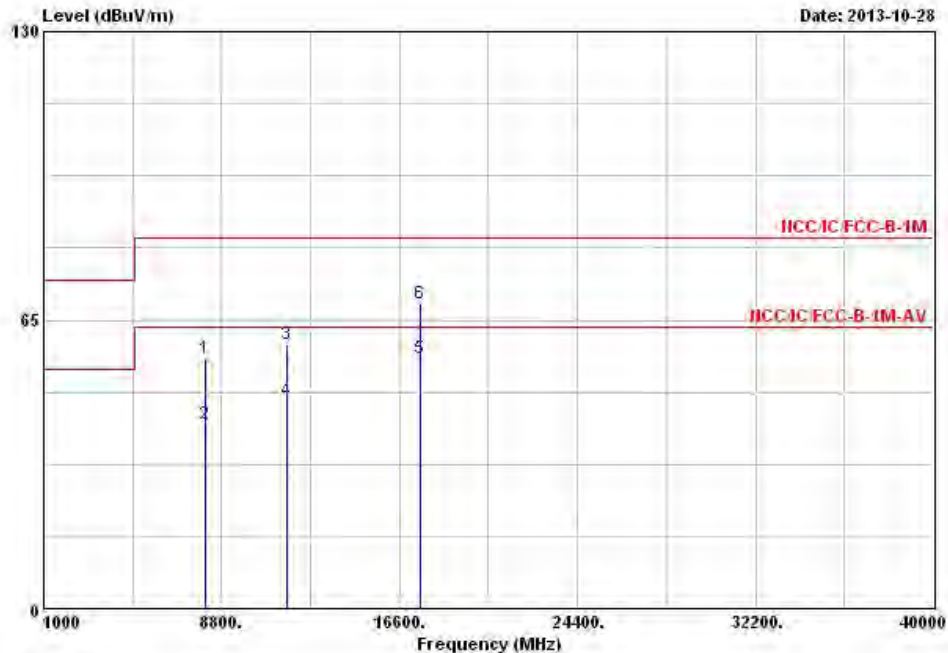
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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 (116.46 dBuV/m).

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT20	Test Freq. (MHz)	5825
N_{TX}	1	Polarization	H



	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8076.000	56.33	-27.21	83.54	43.19	37.92	8.02	32.80	Peak	---	---
2	8076.000	41.40	-22.14	63.54	28.26	37.92	8.02	32.80	Average	---	---
3	11650.000	59.50	-24.04	83.54	42.46	39.99	9.41	32.36	Peak	---	---
4	11650.000	46.73	-16.81	63.54	29.69	39.99	9.41	32.36	Average	---	---
5	17475.000	56.54	-7.00	63.54	32.56	45.81	9.62	31.45	Average	---	---
6	17475.000	68.80	-14.74	83.54	44.82	45.81	9.62	31.45	Peak	---	---

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

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

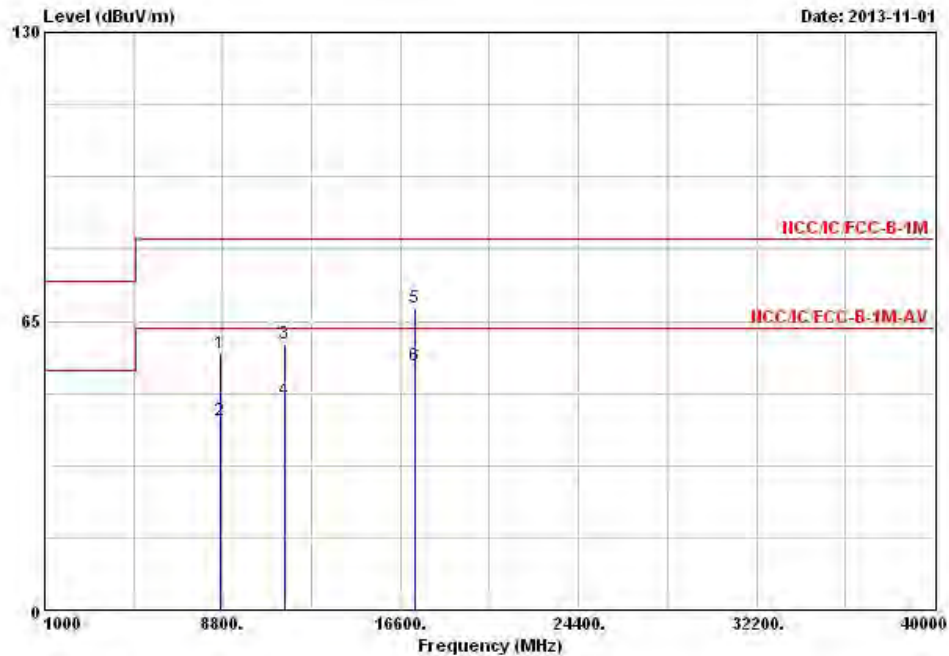
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (116.46 dBuV/m).

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT20	Test Freq. (MHz)	5745
N_{TX}	2	Polarization	V



	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8670.000	57.65	-25.89	83.54	43.83	38.50	8.19	32.87	Peak	---	---
2	8670.000	42.79	-20.75	63.54	28.97	38.50	8.19	32.87	Average	---	---
3	11490.000	60.03	-23.51	83.54	43.00	40.07	9.30	32.34	Peak	---	---
4	11490.000	47.27	-16.27	63.54	30.24	40.07	9.30	32.34	Average	---	---
5	17235.000	67.85	-15.69	83.54	45.88	43.81	9.54	31.38	Peak	---	---
6	17235.000	55.08	-8.46	63.54	33.11	43.81	9.54	31.38	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.)

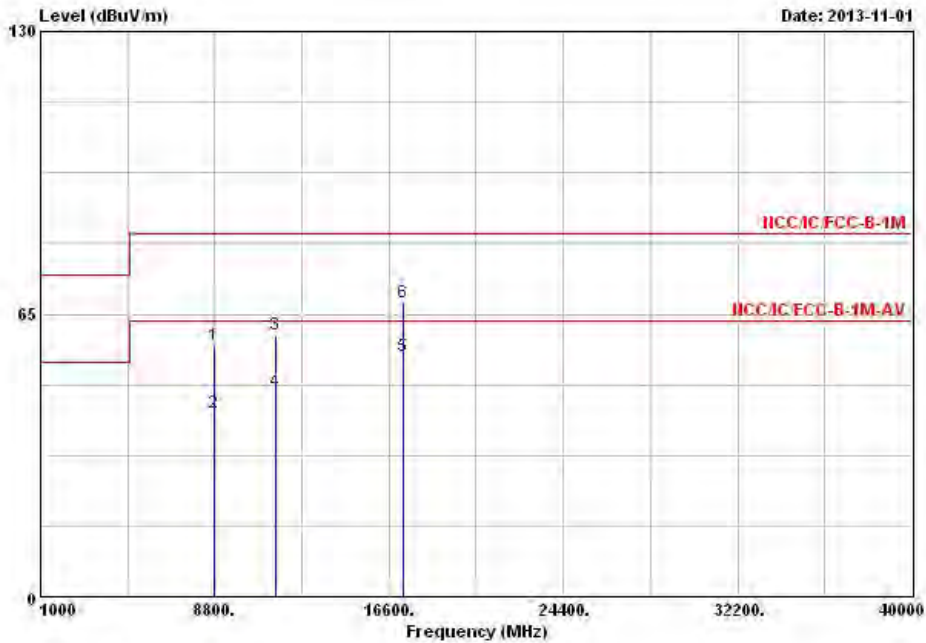
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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 (111.36 dBuV/m).

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT20	Test Freq. (MHz)	5745
N _{TX}	2	Polarization	H



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8766.000	57.68	-25.86	83.54	43.85	38.38	8.35	32.90	Peak	---
2	8766.000	42.38	-21.16	63.54	28.55	38.38	8.35	32.90	Average	---
3	11490.000	60.25	-23.29	83.54	43.22	40.07	9.30	32.34	Peak	---
4	11490.000	47.26	-16.28	63.54	30.23	40.07	9.30	32.34	Average	---
5	17235.000	55.19	-8.35	63.54	33.22	43.81	9.54	31.38	Average	---
6	17235.000	67.61	-15.93	83.54	45.64	43.81	9.54	31.38	Peak	---

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

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

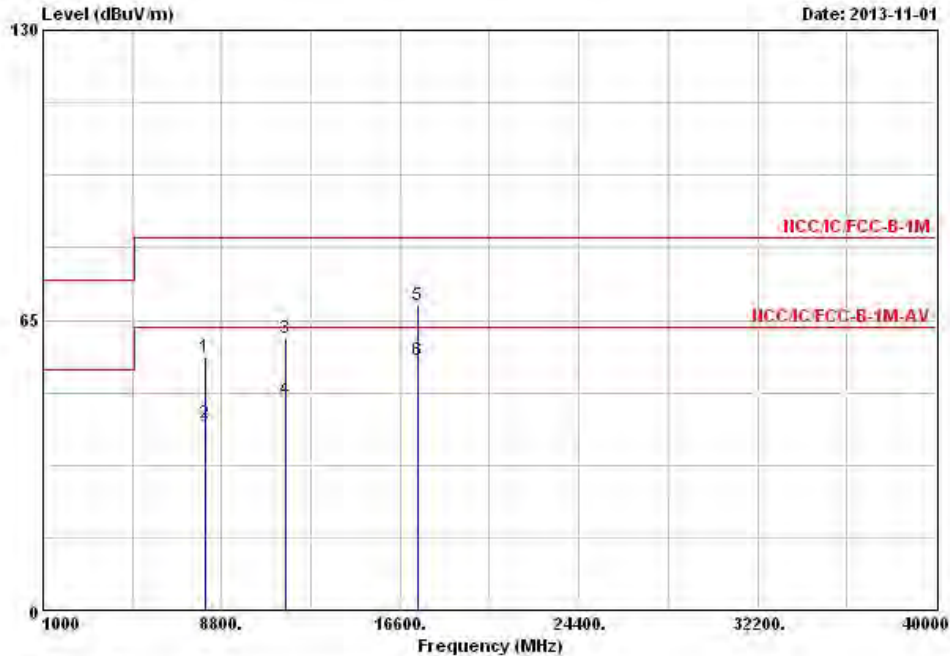
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (111.36 dBuV/m).

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT20	Test Freq. (MHz)	5785
N _{TX}	2	Polarization	V



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8076.000	56.84	-26.70	83.54	43.70	37.92	8.02	32.80	Peak	---
2	8076.000	42.06	-21.48	63.54	28.92	37.92	8.02	32.80	Average	---
3	11570.000	60.94	-22.60	83.54	43.90	40.04	9.35	32.35	Peak	---
4	11570.000	47.25	-16.29	63.54	30.21	40.04	9.35	32.35	Average	---
5	17355.000	68.30	-15.24	83.54	45.32	44.81	9.58	31.41	Peak	---
6	17355.000	56.16	-7.38	63.54	33.18	44.81	9.58	31.41	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.)

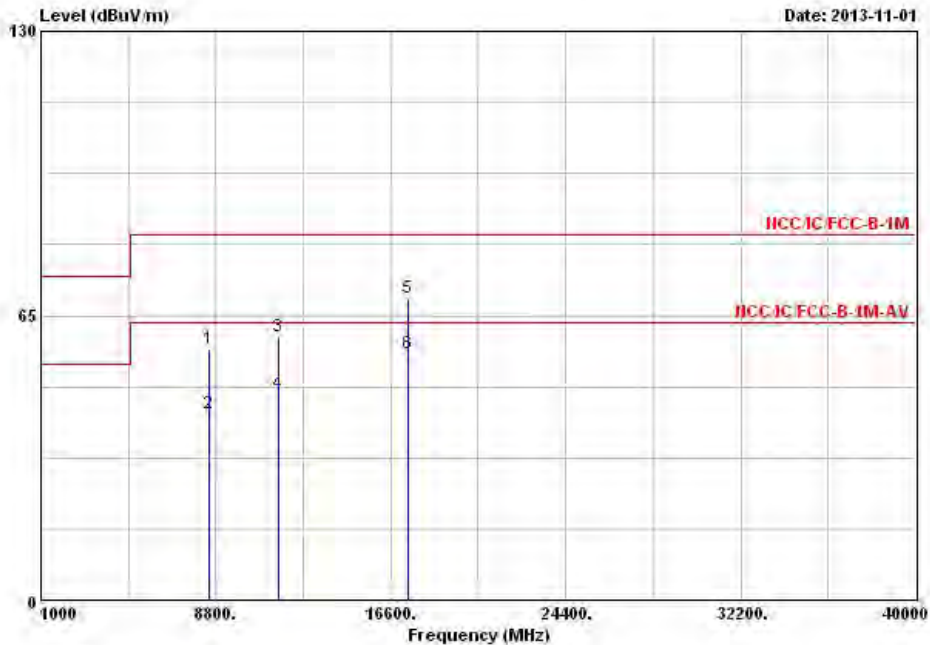
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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 (110.28 dBuV/m).

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT20	Test Freq. (MHz)	5785
N_{TX}	2	Polarization	H



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp			
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		
1	8526.000	57.43	-26.11	83.54	43.72	38.66	7.87	32.82	Peak	---
2	8526.000	42.71	-20.83	63.54	29.00	38.66	7.87	32.82	Average	---
3	11570.000	60.39	-23.15	83.54	43.35	40.04	9.35	32.35	Peak	---
4	11570.000	47.19	-16.35	63.54	30.15	40.04	9.35	32.35	Average	---
5	17355.000	69.16	-14.38	83.54	46.18	44.81	9.58	31.41	Peak	---
6	17355.000	56.24	-7.30	63.54	33.26	44.81	9.58	31.41	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.)

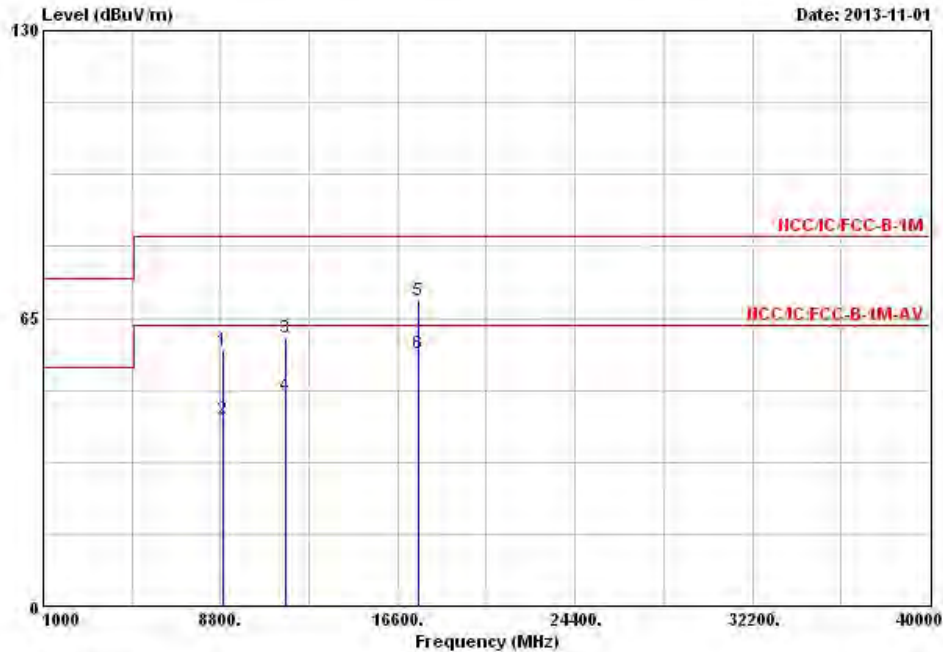
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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 (110.28 dBuV/m).

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT20	Test Freq. (MHz)	5825
N_{TX}	2	Polarization	V



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8910.000	57.91	-25.63	83.54	43.97	38.22	8.67	32.95	Peak	---
2	8910.000	42.44	-21.10	63.54	28.50	38.22	8.67	32.95	Average	---
3	11650.000	60.63	-22.91	83.54	43.59	39.99	9.41	32.36	Peak	---
4	11650.000	47.46	-16.08	63.54	30.42	39.99	9.41	32.36	Average	---
5	17475.000	69.02	-14.52	83.54	45.04	45.81	9.62	31.45	Peak	---
6	17475.000	57.13	-6.41	63.54	33.15	45.81	9.62	31.45	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.)

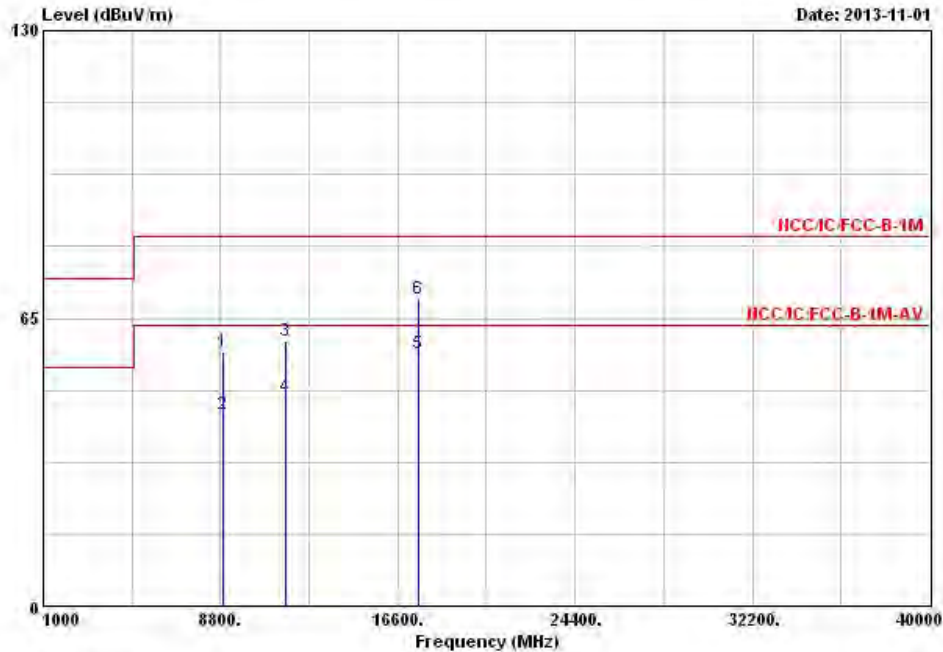
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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 (110.66 dBuV/m).

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT20	Test Freq. (MHz)	5825
N _{TX}	2	Polarization	H



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8910.000	57.51	-26.03	83.54	43.57	38.22	8.67	32.95	Peak	---
2	8910.000	43.20	-20.34	63.54	29.26	38.22	8.67	32.95	Average	---
3	11650.000	60.04	-23.50	83.54	43.00	39.99	9.41	32.36	Peak	---
4	11650.000	47.21	-16.33	63.54	30.17	39.99	9.41	32.36	Average	---
5	17475.000	57.15	-6.39	63.54	33.17	45.81	9.62	31.45	Average	---
6	17475.000	69.23	-14.31	83.54	45.25	45.81	9.62	31.45	Peak	---

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

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

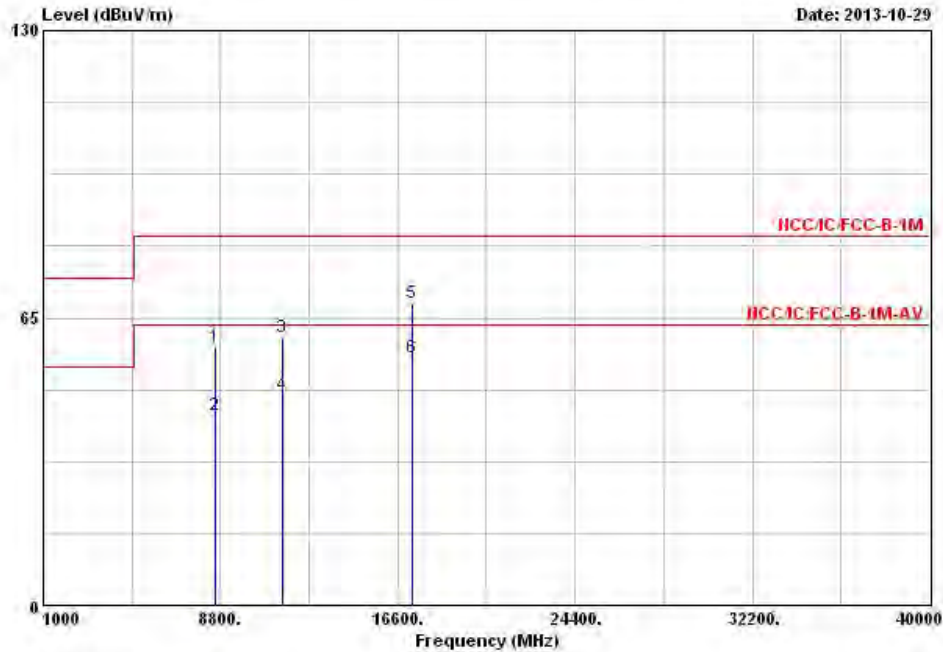
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (110.66 dBuV/m).

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT40	Test Freq. (MHz)	5755
N _{TX}	1	Polarization	V



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8562.000	58.46	-25.08	83.54	44.73	38.62	7.95	32.84	Peak	---	---
2	8562.000	43.03	-20.51	63.54	29.30	38.62	7.95	32.84	Average	---	---
3	11510.000	60.62	-22.92	83.54	43.56	40.10	9.30	32.34	Peak	---	---
4	11510.000	47.68	-15.86	63.54	30.62	40.10	9.30	32.34	Average	---	---
5	17265.000	68.41	-15.13	83.54	46.16	44.09	9.55	31.39	Peak	---	---
6	17265.000	55.89	-7.65	63.54	33.64	44.09	9.55	31.39	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.)

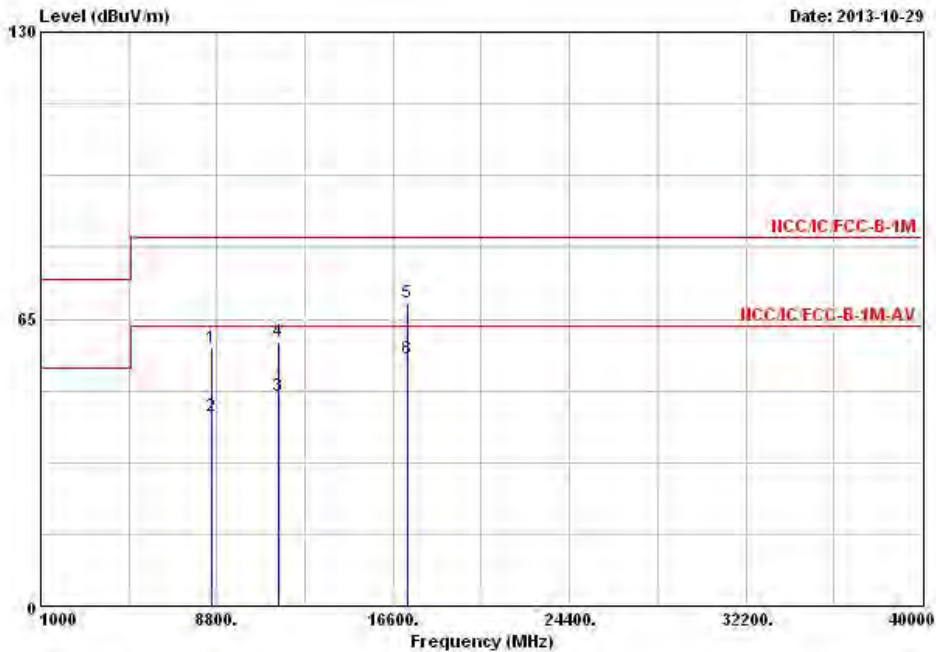
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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 (115.16 dBuV/m).

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT40	Test Freq. (MHz)	5755
N_{TX}	1	Polarization	H



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8574.000	58.39	-25.15	83.54	44.68	38.60	7.95	32.84	Peak	---
2	8574.000	42.98	-20.56	63.54	29.27	38.60	7.95	32.84	Average	---
3	@11510.000	47.71	-15.83	63.54	30.65	40.10	9.30	32.34	Average	---
4	11510.000	59.82	-23.72	83.54	42.76	40.10	9.30	32.34	Peak	---
5	@17265.000	68.63	-14.91	83.54	46.38	44.09	9.55	31.39	Peak	---
6	@17265.000	55.91	-7.63	63.54	33.66	44.09	9.55	31.39	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.)

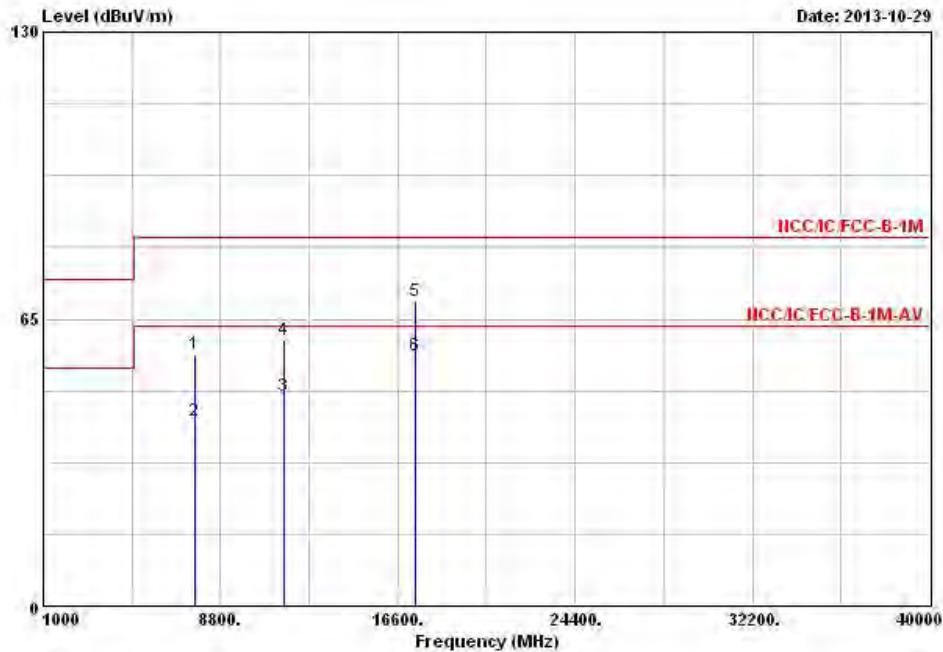
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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 (115.16 dBuV/m).

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT40	Test Freq. (MHz)	5795
N_{TX}	1	Polarization	V



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	7650.000	57.02	-26.52	83.54	44.30	37.45	8.01	32.74	Peak	---
2	7650.000	41.86	-21.68	63.54	29.14	37.45	8.01	32.74	Average	---
3	@11590.000	47.64	-15.90	63.54	30.58	40.03	9.38	32.35	Average	---
4	11590.000	60.29	-23.25	83.54	43.23	40.03	9.38	32.35	Peak	---
5	@17385.000	69.18	-14.36	83.54	45.92	45.10	9.59	31.43	Peak	---
6	@17385.000	56.84	-6.70	63.54	33.58	45.10	9.59	31.43	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.)

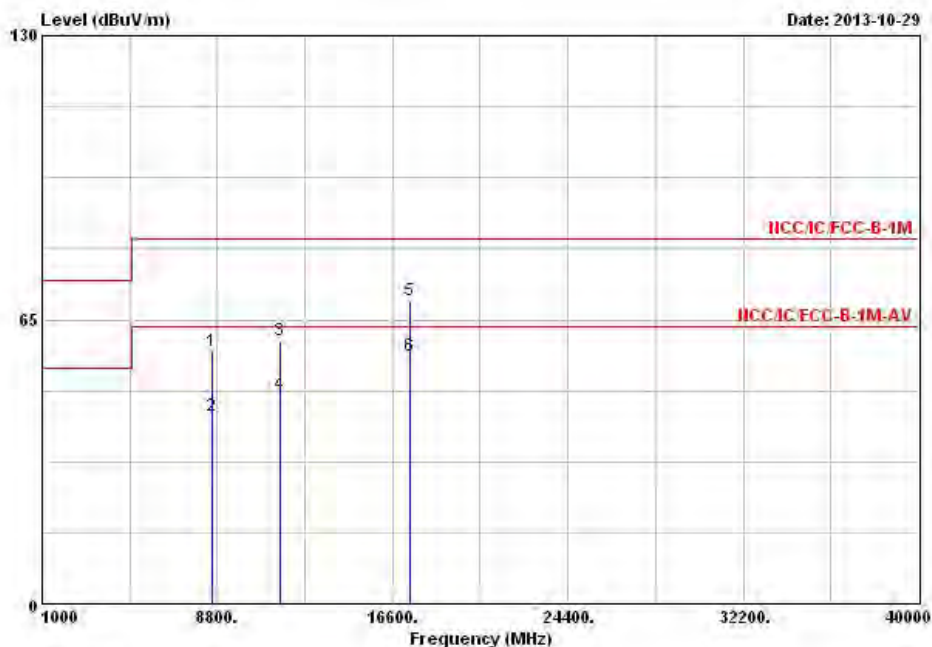
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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 (115.06 dBuV/m).

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT40	Test Freq. (MHz)	5795
N_{TX}	1	Polarization	H



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8556.000	57.85	-25.69	83.54	44.09	38.64	7.95	32.83	Peak	---
2	8556.000	43.08	-20.46	63.54	29.32	38.64	7.95	32.83	Average	---
3	11590.000	60.29	-23.25	83.54	43.23	40.03	9.38	32.35	Peak	---
4	11590.000	47.77	-15.77	63.54	30.71	40.03	9.38	32.35	Average	---
5	17385.000	69.50	-14.04	83.54	46.24	45.10	9.59	31.43	Peak	---
6	17385.000	56.88	-6.66	63.54	33.62	45.10	9.59	31.43	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.)

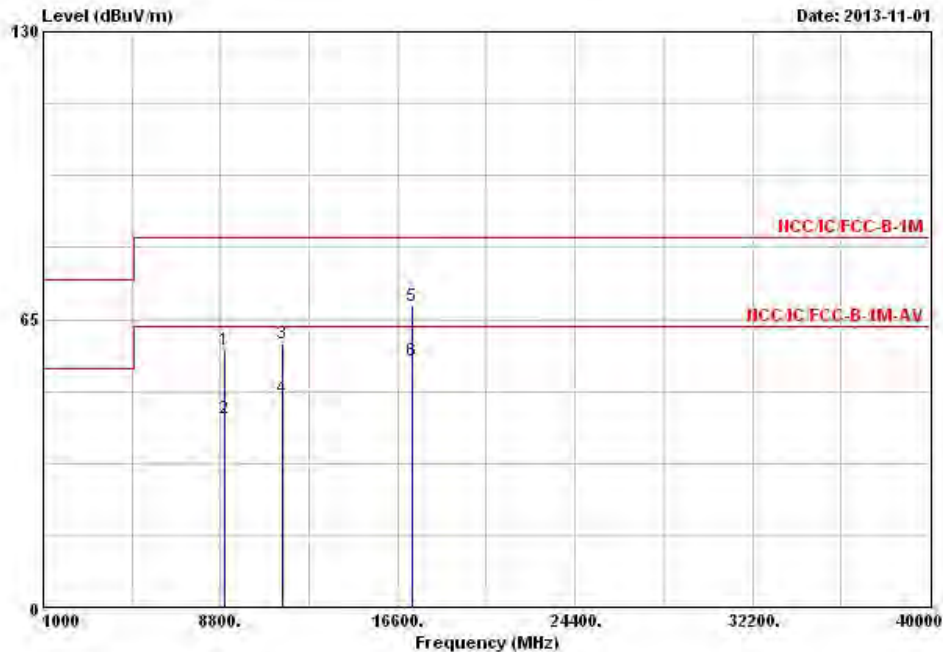
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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 (115.06 dBuV/m).

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT40	Test Freq. (MHz)	5755
N _{TX}	2	Polarization	V



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8982.000	58.13	-25.41	83.54	44.15	38.12	8.83	32.97	Peak	---
2	8982.000	42.58	-20.96	63.54	28.60	38.12	8.83	32.97	Average	---
3	11510.000	59.71	-23.83	83.54	42.65	40.10	9.30	32.34	Peak	---
4	11510.000	47.37	-16.17	63.54	30.31	40.10	9.30	32.34	Average	---
5	17265.000	67.99	-15.55	83.54	45.74	44.09	9.55	31.39	Peak	---
6	17265.000	55.50	-8.04	63.54	33.25	44.09	9.55	31.39	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.)

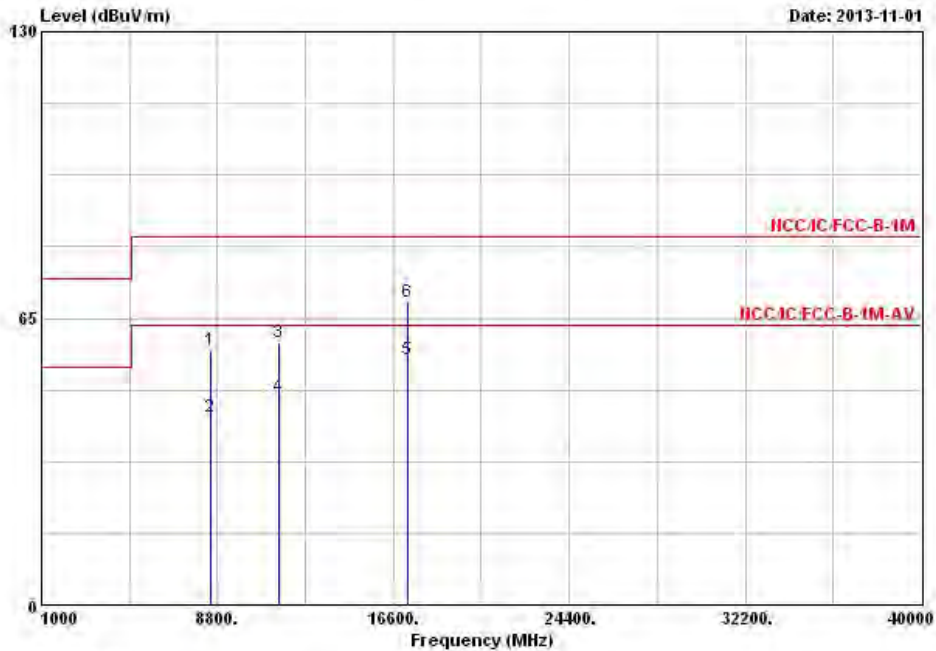
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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 (109.27 dBuV/m).

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT40	Test Freq. (MHz)	5755
N _{TX}	2	Polarization	H



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Rnt	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8490.000	57.74	-25.80	83.54	44.06	38.70	7.79	32.81	Peak	---
2	8490.000	42.68	-20.86	63.54	29.00	38.70	7.79	32.81	Average	---
3	11510.000	59.57	-23.97	83.54	42.51	40.10	9.30	32.34	Peak	---
4	11510.000	47.32	-16.22	63.54	30.26	40.10	9.30	32.34	Average	---
5	17265.000	55.54	-8.00	63.54	33.29	44.09	9.55	31.39	Average	---
6	17265.000	68.76	-14.78	83.54	46.51	44.09	9.55	31.39	Peak	---

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

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

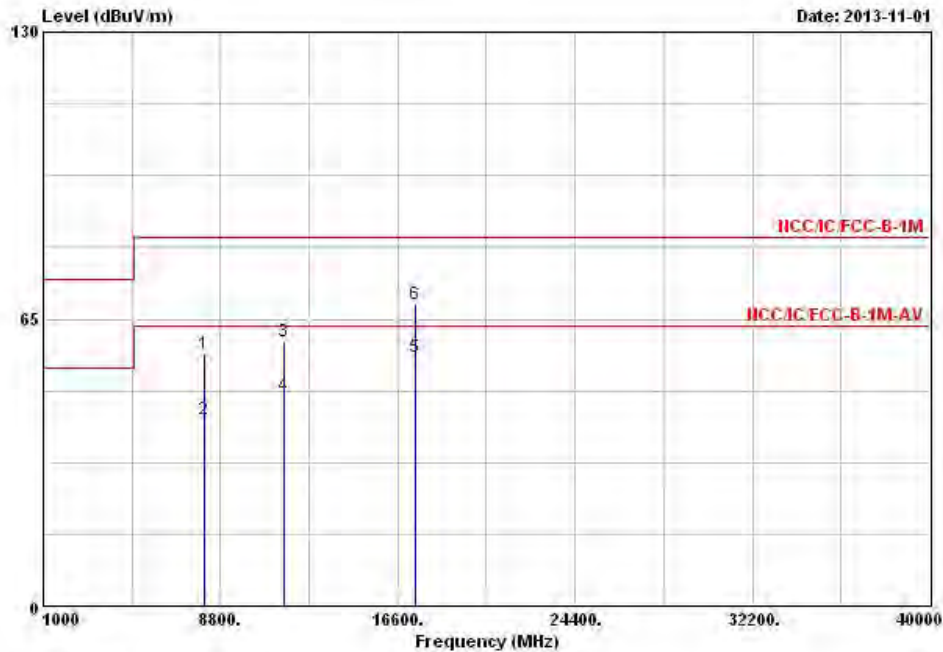
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level (109.27 dBuV/m).

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT40	Test Freq. (MHz)	5795
N_{TX}	2	Polarization	V



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8058.000	57.03	-26.51	83.54	43.92	37.89	8.02	32.80	Peak	---
2	8058.000	42.42	-21.12	63.54	29.31	37.89	8.02	32.80	Average	---
3	11590.000	59.90	-23.64	83.54	42.84	40.03	9.38	32.35	Peak	---
4	@11590.000	47.61	-15.93	63.54	30.55	40.03	9.38	32.35	Average	---
5	@17385.000	56.50	-7.04	63.54	33.24	45.10	9.59	31.43	Average	---
6	@17385.000	68.51	-15.03	83.54	45.25	45.10	9.59	31.43	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.)

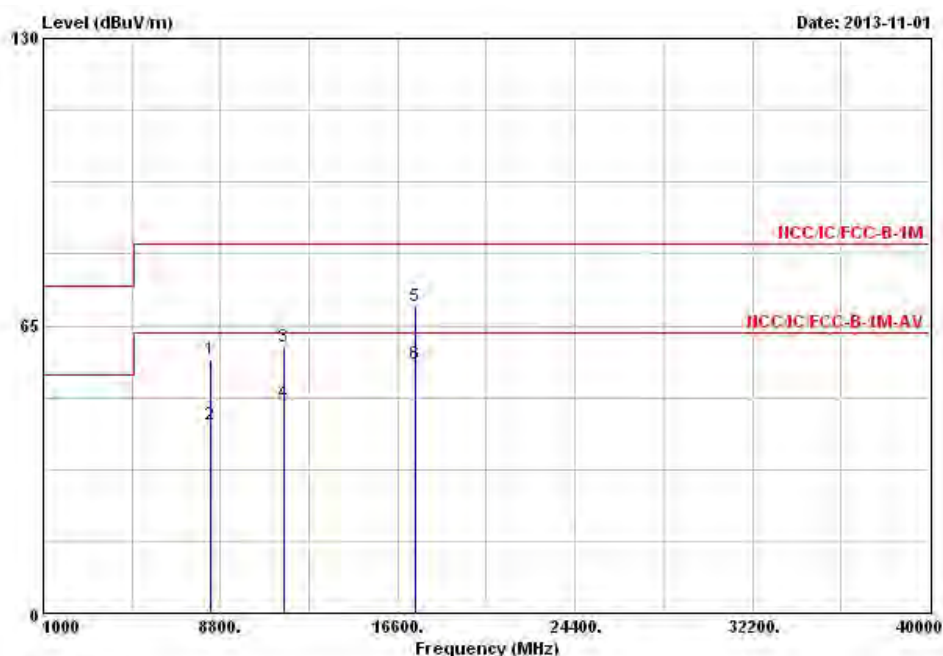
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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 (108.76 dBuV/m).

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT40	Test Freq. (MHz)	5795
N _{TX}	2	Polarization	H



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8346.000	57.54	-26.00	83.54	44.06	38.42	7.87	32.81	Peak	---
2	8346.000	42.64	-20.90	63.54	29.16	38.42	7.87	32.81	Average	---
3	11590.000	60.25	-23.29	83.54	43.19	40.03	9.38	32.35	Peak	---
4	@11590.000	47.43	-16.11	63.54	30.37	40.03	9.38	32.35	Average	---
5	@17385.000	69.52	-14.02	83.54	46.26	45.10	9.59	31.43	Peak	---
6	@17385.000	56.50	-7.04	63.54	33.24	45.10	9.59	31.43	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.)

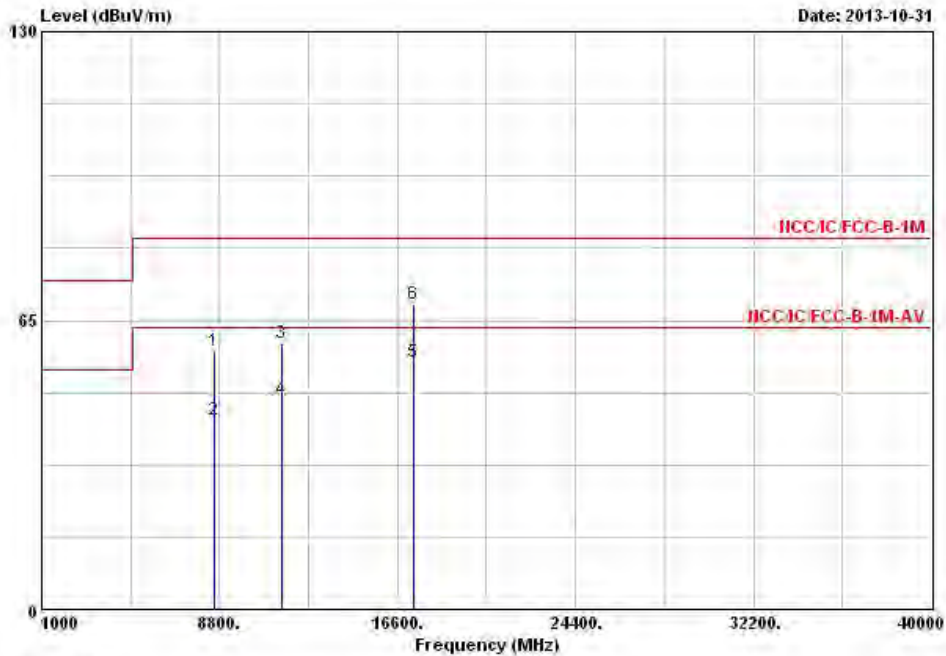
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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 (108.76 dBuV/m).

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT80	Test Freq. (MHz)	5775
N_{TX}	1	Polarization	V



	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8556.000	58.17	-25.37	83.54	44.41	38.64	7.95	32.83	Peak	---	---
2	8556.000	42.71	-20.83	63.54	28.95	38.64	7.95	32.83	Average	---	---
3	11550.000	59.85	-23.69	83.54	42.79	40.06	9.35	32.35	Peak	---	---
4	11550.000	47.17	-16.37	63.54	30.11	40.06	9.35	32.35	Average	---	---
5	17325.000	55.83	-7.71	63.54	33.14	44.52	9.58	31.41	Average	---	---
6	17325.000	68.53	-15.01	83.54	45.84	44.52	9.58	31.41	Peak	---	---

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

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

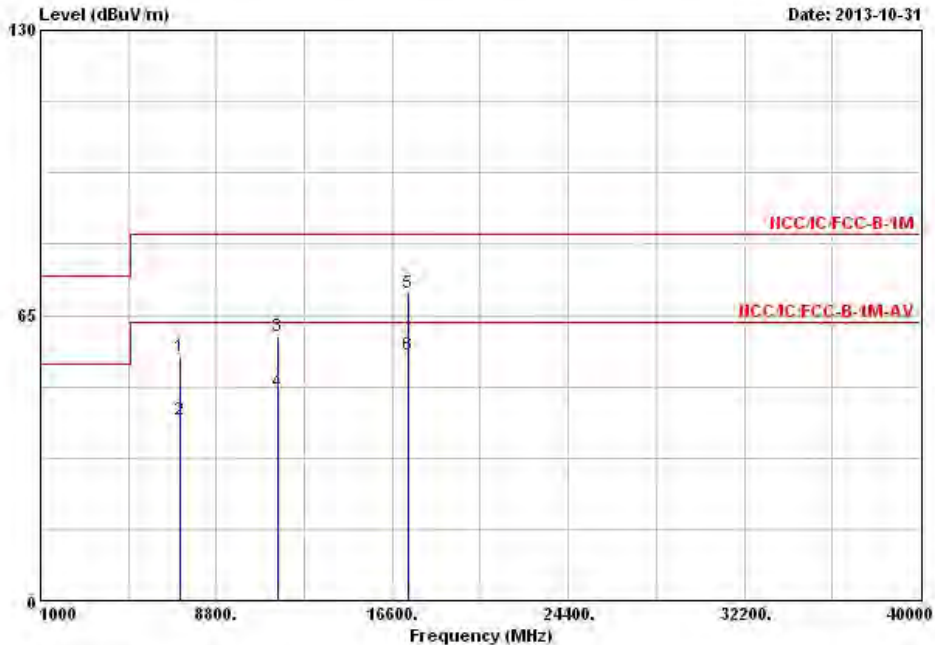
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-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 (109.48 dBuV/m).

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT80	Test Freq. (MHz)	5775
N _{TX}	1	Polarization	H



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	7188.000	55.58	-27.96	83.54	43.54	36.87	7.81	32.64	Peak	---
2	7188.000	41.16	-22.38	63.54	29.12	36.87	7.81	32.64	Average	---
3	11550.000	60.17	-23.37	83.54	43.11	40.06	9.35	32.35	Peak	---
4	11550.000	47.61	-15.93	63.54	30.55	40.06	9.35	32.35	Average	---
5	17325.000	69.98	-13.56	83.54	47.29	44.52	9.58	31.41	Peak	---
6	17325.000	55.97	-7.57	63.54	33.28	44.52	9.58	31.41	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.)

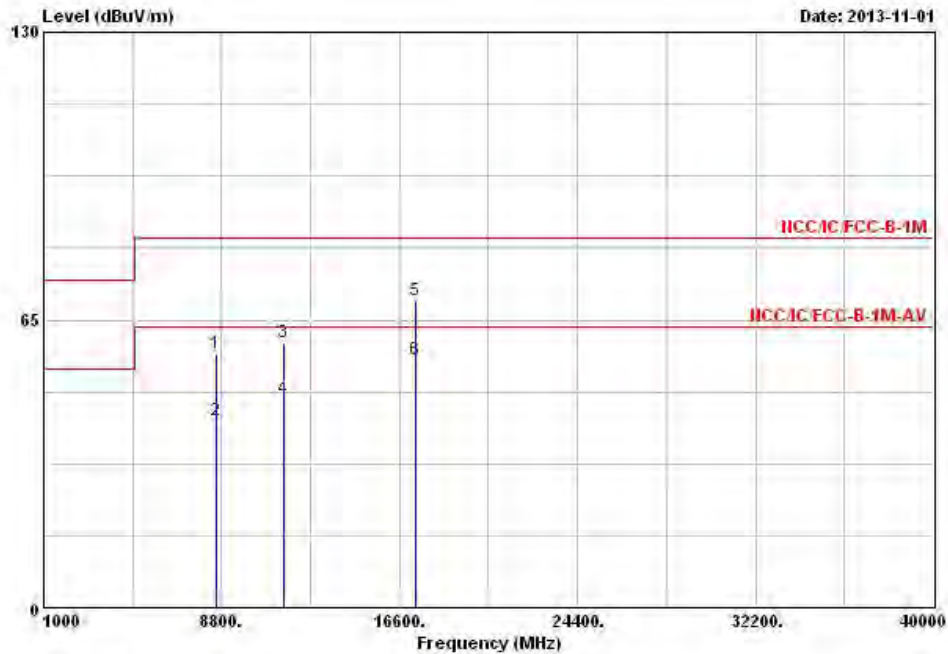
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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 (109.48 dBuV/m).

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT80	Test Freq. (MHz)	5775
N _{TX}	2	Polarization	V



	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	8574.000	57.32	-26.22	83.54	43.61	38.60	7.95	32.84	Peak	---	---
2	8574.000	42.44	-21.10	63.54	28.73	38.60	7.95	32.84	Average	---	---
3	11550.000	59.77	-23.77	83.54	42.71	40.06	9.35	32.35	Peak	---	---
4	@11550.000	47.07	-16.47	63.54	30.01	40.06	9.35	32.35	Average	---	---
5	@17325.000	69.24	-14.30	83.54	46.55	44.52	9.58	31.41	Peak	---	---
6	@17325.000	55.99	-7.55	63.54	33.30	44.52	9.58	31.41	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.)

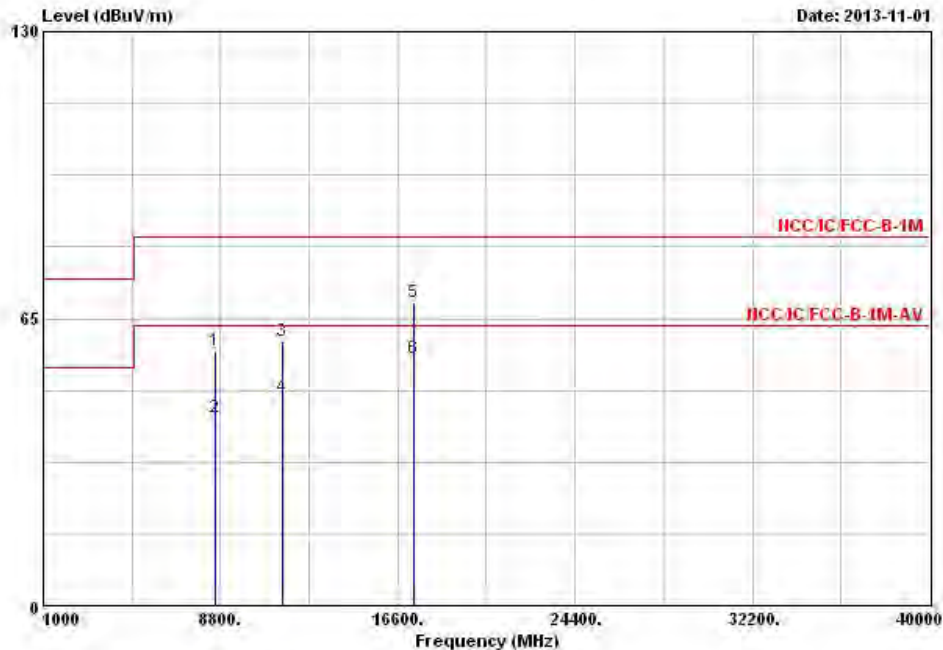
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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 (105.80 dBuV/m).

Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT80	Test Freq. (MHz)	5775
N_{TX}	2	Polarization	H



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		Rnt	Table
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	8580.000	57.86	-25.68	83.54	44.15	38.60	7.95	32.84	Peak	---
2	8580.000	42.58	-20.96	63.54	28.87	38.60	7.95	32.84	Average	---
3	11550.000	59.79	-23.75	83.54	42.73	40.06	9.35	32.35	Peak	---
4	11550.000	47.27	-16.27	63.54	30.21	40.06	9.35	32.35	Average	---
5	17325.000	68.82	-14.72	83.54	46.13	44.52	9.58	31.41	Peak	---
6	17325.000	55.88	-7.66	63.54	33.19	44.52	9.58	31.41	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 (105.80 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	Nov. 09, 2012	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 (TH06-HY)
AC Power Source	G.W	APS-9102	EL920581	AC 0V ~ 300V	Jul. 16, 2013	Conducted (TH06-HY)
Temp. and Humidity Chamber	Giant Force	GTH-225-20-S	MAB0103-001	-20 ~ 100℃	Nov. 21, 2012	Conducted (TH06-HY)
RF Cable-0.5m	HUBER+SUHNER	SUCOFLEX_103	10715/4	30MHz ~ 26.5GHz	Dec. 04.2012	Conducted (TH06-HY)
RF Cable-1m	HUBER+SUHNER	SUCOFLEX_104	324530/4	30MHz ~ 26.5GHz	Dec. 04, 2012	Conducted (TH06-HY)
RF Cable-1m	HUBER+SUHNER	SUCOFLEX_104	324530/4	30MHz ~ 26.5GHz	Dec. 04, 2012	Conducted (TH06-HY)
RF Cable-1m	HUBER+SUHNER	SUCOFLEX_104	324557/4	30MHz ~ 26.5GHz	Dec. 04, 2012	Conducted (TH06-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	03CH03-HY	30MHz ~ 1GHz 3m	Dec. 01, 2012	Radiation (03CH03-HY)
Amplifier	HP	8447D	2944A08033	10kHz ~ 1.3GHz	May. 03, 2013	Radiation (03CH03-HY)
Amplifier	Agilent	8449B	3008A02120	1GHz ~ 26.5GHz	Aug. 20, 2013	Radiation (03CH03-HY)
Amplifier	EM	EM18G40G	060604	18GHz ~ 40GHz	Oct. 17, 2013	Radiation (03CH03-HY)
Spectrum Analyzer	R&S	FSP30	100023	9kHz ~ 30GHz	Jul. 20, 2013	Radiation (03CH03-HY)
Spectrum Analyzer	R&S	FSP40	100004	9kHz ~ 40GHz	Mar. 11, 2013	Radiation (03CH03-HY)
Bilog Antenna	SCHAFFNER	CBL 6112D	22237	30MHz ~ 1GHz	Sep. 21, 2013	Radiation (03CH03-HY)
Horn Antenna	EMCO	3115	6741	1GHz ~ 18GHz	May 31, 2013	Radiation (03CH03-HY)
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170154	15GHz ~ 40GHz	Jan. 08, 2013	Radiation (03CH03-HY)
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz ~ 1GHz	Jan. 17, 2013	Radiation (03CH03-HY)
RF Cable-high	SUHNER	SUCOFLEX 106	03CH03-HY	1GHz ~ 40GHz	Jan. 17, 2013	Radiation (03CH03-HY)
Turn Table	EM Electronics	EM Electronics	060615	0 ~ 360 degree	N/A	Radiation (03CH03-HY)
Antenna Mast	MF	MF-7802	MF780208179	1 ~ 4 m	N/A	Radiation (03CH03-HY)

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

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Loop Antenna	TESEQ	HLA 6120	31244	9kHz ~ 30MHz	Dec. 02, 2012	Radiation (03CH03-HY)

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