

# FCC Test Report

Equipment : 802.11 a/n/ac Module  
Brand Name : Senao  
Model No. : PCE4551AH  
FCC ID : U2M-PCE4551AH  
Standard : 47 CFR FCC Part 15.247  
Operating Band : 5725 MHz – 5850 MHz  
FCC Classification : DTS  
Applicant : Senao Networks, Inc.  
Manufacturer : 3F, No. 529, Chung Cheng Rd., Hsintien, Taipei, Taiwan

The product sample received on Jul. 03, 2013 and completely tested on Aug. 13, 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:



Gary Chang / 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]:0.484MHz 35.72 (Margin 10.55dB) - AV 43.70 (Margin 12.57dB) - QP	FCC 15.207	Complied
3.2	15.247(a)	6dB Bandwidth	6dB Bandwidth [MHz] 20M:17.62 / 40M:36.29 80M: 75.59	≥500kHz	Complied
3.3	15.247(b)	RF Output Power (Maximum Conducted (Average) Output Power)	Power [dBm]:29.83	Power [dBm]:30	Complied
3.4	15.247(e)	Power Spectral Density	PSD [dBm/3kHz]:1.23	PSD [dBm/3kHz]:8	Complied
3.5	15.247(d)	Emissions in non-restricted frequency bands	Out-of -band emissions are 20dB below the highest power	Non-Restricted Bands: > 20 dBc Restricted Bands: FCC 15.209	Complied
3.6	15.247(d)	Transmitter Radiated Unwanted Emissions	Restricted Bands [dBuV/m at 3m]:11570.00 & 11650.00MHz 52.71 (Margin 1.29dB) - AV	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 <sub>TX</sub> )	RF Output Power (dBm)	Co-location
5725-5850	a	5745-5825	149-165 [5]	3	29.75	N/A
5725-5850	n(HT20)	5745-5825	149-165 [5]	3	29.75	N/A
5725-5850	n(HT40)	5755-5795	151-159 [2]	3	29.63	N/A
5725-5850	ac(VHT20)	5745-5825	149-165 [5]	3	29.83	N/A
5725-5850	ac(VHT40)	5755-5795	151-159 [2]	3	29.73	N/A
5725-5850	ac(VHT80)	5775	155 [1]	3	29.50	N/A

Note 1: RF output power specifies that Maximum Conducted (Average) 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	
<input type="checkbox"/>	Equipment placed on the market without antennas
<input type="checkbox"/>	Integral antenna (antenna permanently attached)
<input type="checkbox"/>	Temporary RF connector provided
<input type="checkbox"/>	No temporary RF connector provided Transmit chains bypass antenna and soldered temporary RF connector provided for connected measurement. In case of conducted measurements the transmitter shall be connected to the measuring equipment via a suitable attenuator and correct for all losses in the RF path.
<input checked="" type="checkbox"/>	External antenna (dedicated antennas)
<input type="checkbox"/>	Single power level with corresponding antenna(s).
<input checked="" type="checkbox"/>	Multiple power level and corresponding antenna(s).
<input checked="" type="checkbox"/>	RF connector provided
<input checked="" type="checkbox"/>	Unique antenna connector. (e.g., MMCX, U.FL, IPX, and RP-SMA, RP-N type...)
<input type="checkbox"/>	Standard antenna connector. (e.g., SMA, N, BNC, and TNC type...)

Antenna General Information				
No.	Ant. Cat.	Ant. Type	Connector	Gain (dBi)
1	External	Dipole	UFL	3
2	External	Dipole	UFL	5.5
3	Integral	PIFA	UFL	6
4	Integral	PIFA	UFL	5.5
Note: 1. The antennas are professionally installed. 2. Two PIFA antennas with the same power setting, 6dBi one with the highest gain was chosen for final test.				

### 1.1.3 Type of EUT

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

### 1.1.4 Test Signal Duty Cycle

Operated Mode for Worst Duty Cycle	
<input type="checkbox"/> Operated normally mode for worst duty cycle	
<input checked="" type="checkbox"/> Operated test mode for worst duty cycle	
Test Signal Duty Cycle (x)	Power Duty Factor [dB] – (10 log 1/x)
<input checked="" type="checkbox"/> 98.26% - IEEE 802.11a	0.08
<input checked="" type="checkbox"/> 98.16% - IEEE 802.11n (VHT20)	0.08
<input checked="" type="checkbox"/> 95.91% - IEEE 802.11n (VHT40)	0.18
<input checked="" type="checkbox"/> 90.45% - IEEE 802.11ac (VHT80)	0.44

### 1.1.5 EUT Operational Condition

<b>Supply Voltage</b>	<input type="checkbox"/> AC mains	<input checked="" type="checkbox"/> DC	
<b>Type of DC Source</b>	<input type="checkbox"/> Internal DC supply	<input type="checkbox"/> External DC adapter	<input checked="" type="checkbox"/> Host

## 1.2 Support Equipment

Support Equipment				
No.	Equipment	Brand Name	Model Name	Serial No.
1	Notebook	DELL	E5420	DoC
2	Extender card	Senao	adapter	NA
3	Carrier board	Senao	IAP6200AG-0 0.2 LFP	NA

## 1.3 Testing Applied Standards

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

- ♦ 47 CFR FCC Part 15
- ♦ ANSI C63.10-2009
- ♦ FCC KDB 558074 v03r01
- ♦ FCC KDB 662911 v02
- ♦ FCC KDB 412172 v01

## 1.4 Testing Location Information

Testing Location				
<input checked="" type="checkbox"/>	Sporton Lab	ADD : No. 52, Hwa Ya 1st Rd., Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.		
		TEL : 886-3-327-3456	FAX : 886-3-318-0055	
<input checked="" type="checkbox"/>	ICC Lab	ADD : No.3-1, Lane 6, Wen San 3rd St., Kwei Shan Hsiang, Tao Yuan Hsein 333, Taiwan (R.O.C.)		
		TEL : 886-3-271-8666	FAX : 886-3-318-0155	
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-HY	Mark Liao	22.1°C / 61%	Aug. 12, 2013
*AC Conduction	CO01-WS	Skys Huang	23°C / 58%	Aug. 13, 2013
*Radiated Emission	03CH01-WS	Aska Huang	25°C / 65%	Jul. 27 ~ Jul. 30, 2013
Test site registered number [657002] with FCC.				
Test site registered number [10807A-1] with IC.				

Note: \* Sporton Lab subcontracts this test item to ICC lab (TAF: 2732).

ICC lab is a TAF accreditation test firm and also is an approved provider of Sporton lab.

## 1.5 Measurement Uncertainty

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

Measurement Uncertainty			
Test Item		Uncertainty	Limit
AC power-line conducted emissions		±2.26 dB	N/A
Emission bandwidth, 6dB bandwidth		±1.42 %	N/A
RF output power, conducted		±0.63 dB	N/A
Power density, conducted		±0.81 dB	N/A
All emissions, radiated	30 – 1000 MHz	±3.9 dB	N/A
	Above 1GHz	±4.2 dB	N/A
Temperature		±0.8 °C	N/A
Humidity		±3 %	N/A
DC and low frequency voltages		±3 %	N/A
Time		±1.42 %	N/A
Duty Cycle		±1.42 %	N/A



## 2 Test Configuration of EUT

### 2.1 The Worst Case Modulation Configuration

Worst Modulation Used for Conformance Testing			
Modulation Mode	Transmit Chains (N <sub>TX</sub> )	Data Rate / MCS	Worst Data Rate / MCS
11a	3	6-54Mbps	6 Mbps
HT20	3	M0-23	M0
HT40	3	M0-23	M0
VHT20	3	M0-9	M0
VHT40	3	M0-9	M0
VHT80	3	M0-9	M0

### 2.2 The Worst Case Power Setting Parameter

The Worst Case Power Setting Parameter (5725-5850MHz band)							
Operating Mode	1 (Ant. 1, 3dBi Dipole antenna)						
Test Software Version	art2, Version: 4_9_425						
Modulation Mode	N <sub>TX</sub>	Test Frequency (MHz)					
		NCB: 20MHz			NCB: 40MHz		NCB: 80MHz
		5745	5785	5825	5755	5795	5775
11a,6-54Mbps	3	23	23	23	---	---	---
HT20,M0-23	3	23	23	23	---	---	---
HT40,M0-23	3	---	---	---	23	23	---
VHT20,M0-9	3	23	23	23	---	---	---
VHT40,M0-9	3	---	---	---	23	23	---
VHT80,M0-9	3	---	---	---	---	---	16.5

The Worst Case Power Setting Parameter (5725-5850MHz band)							
<b>Operating Mode</b>	2 (Ant. 2, 5.5dBi Dipole antenna)						
<b>Test Software Version</b>	art2, Version: 4_9_425						
Modulation Mode	N <sub>TX</sub>	Test Frequency (MHz)					
		NCB: 20MHz			NCB: 40MHz		NCB: 80MHz
		5745	5785	5825	5755	5795	5775
11a,6-54Mbps	3	23	23	23	---	---	---
HT20,M0-23	3	23	23	23	---	---	---
HT40,M0-23	3	---	---	---	23	23	---
VHT20,M0-9	3	23	23	23	---	---	---
VHT40,M0-9	3	---	---	---	23	23	---
VHT80,M0-9	3	---	---	---	---	---	16.5




The Worst Case Power Setting Parameter (5725-5850MHz band)							
<b>Operating Mode</b>	3 (Ant. 3, 6dBi PIFA antenna)						
<b>Test Software Version</b>	art2, Version: 4_9_425						
Modulation Mode	N <sub>TX</sub>	Test Frequency (MHz)					
		NCB: 20MHz			NCB: 40MHz		NCB: 80MHz
		5745	5785	5825	5755	5795	5775
11a,6-54Mbps	3	20.5	20.5	20	---	---	---
HT20,M0-23	3	20.5	20.5	20	---	---	---
HT40,M0-23	3	---	---	---	21	21.5	---
VHT20,M0-9	3	20.5	20.5	20	---	---	---
VHT40,M0-9	3	---	---	---	21	21.5	---
VHT80,M0-9	3	---	---	---	---	---	16.5

## 2.3 The Worst Case Measurement Configuration

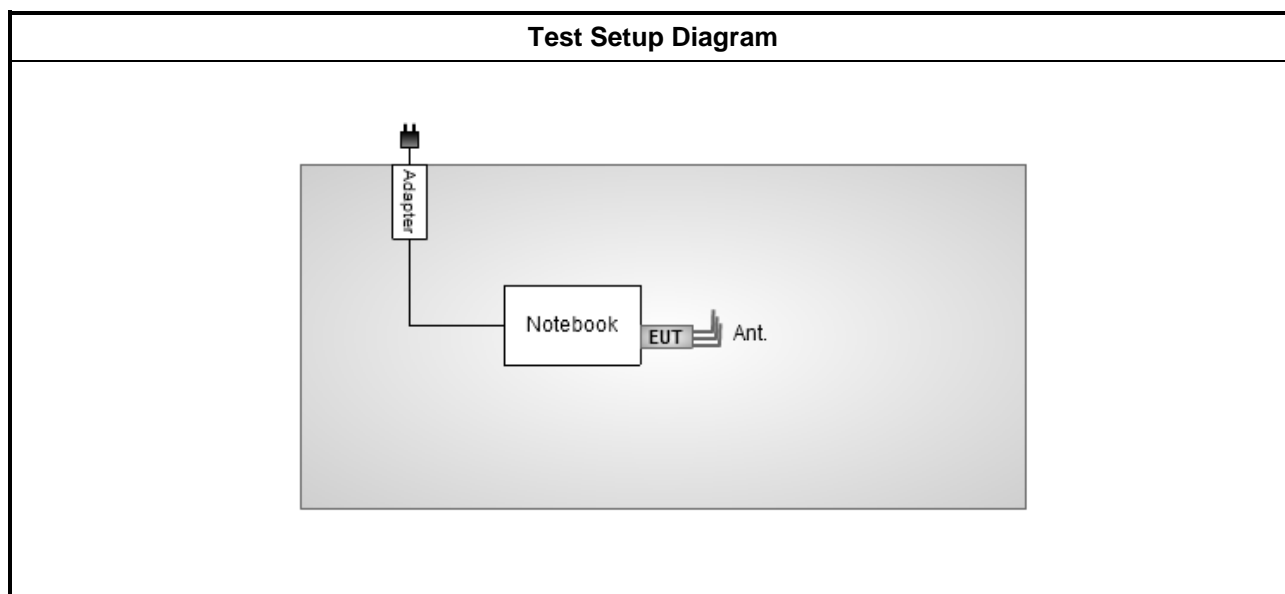
The Worst Case Mode for Following Conformance Tests	
<b>Tests Item</b>	AC power-line conducted emissions
<b>Condition</b>	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
<b>Operating Mode</b>	Operating Mode Description
1	DC Power & Radio link (WLAN), Ant 1
2	DC Power & Radio link (WLAN), Ant 2
3	DC Power & Radio link (WLAN), Ant 3

The Worst Case Mode for Following Conformance Tests	
<b>Tests Item</b>	RF Output Power
<b>Test Condition</b>	Conducted measurement at transmit chains
<b>Modulation Mode</b>	11a, HT20, HT40, VHT20, VHT40, VHT80
<b>Operating Mode</b>	Operating Mode Description
1	DC Power & Radio link (WLAN), Dipole antenna
3	DC Power & Radio link (WLAN), PIFA antenna
<b>Note:</b> 1. Power setting of operating mode 1 and 2 is same. Therefore, antenna port conducted measurement is only performed for operating mode 1.	

The Worst Case Mode for Following Conformance Tests	
<b>Tests Item</b>	Power Spectral Density, 6 dB Bandwidth
<b>Test Condition</b>	Conducted measurement at transmit chains
<b>Modulation Mode</b>	11a, VHT20, VHT40, VHT80
<b>Operating Mode</b>	Operating Mode Description
1	DC Power & Radio link (WLAN), Ant 1
3	DC Power & Radio link (WLAN), Ant 3
<b>Note:</b> 1. 802.11n/ac modulation modes consist of HT20, HT40, VHT20, VHT40 and T80. After pretested, VHT20, VHT40, and VHT80 were the worst cases and were selected for final test. 2. Power setting of operating mode 1 and 2 is same. Therefore, antenna port conducted measurement is only performed for operating mode 1.	

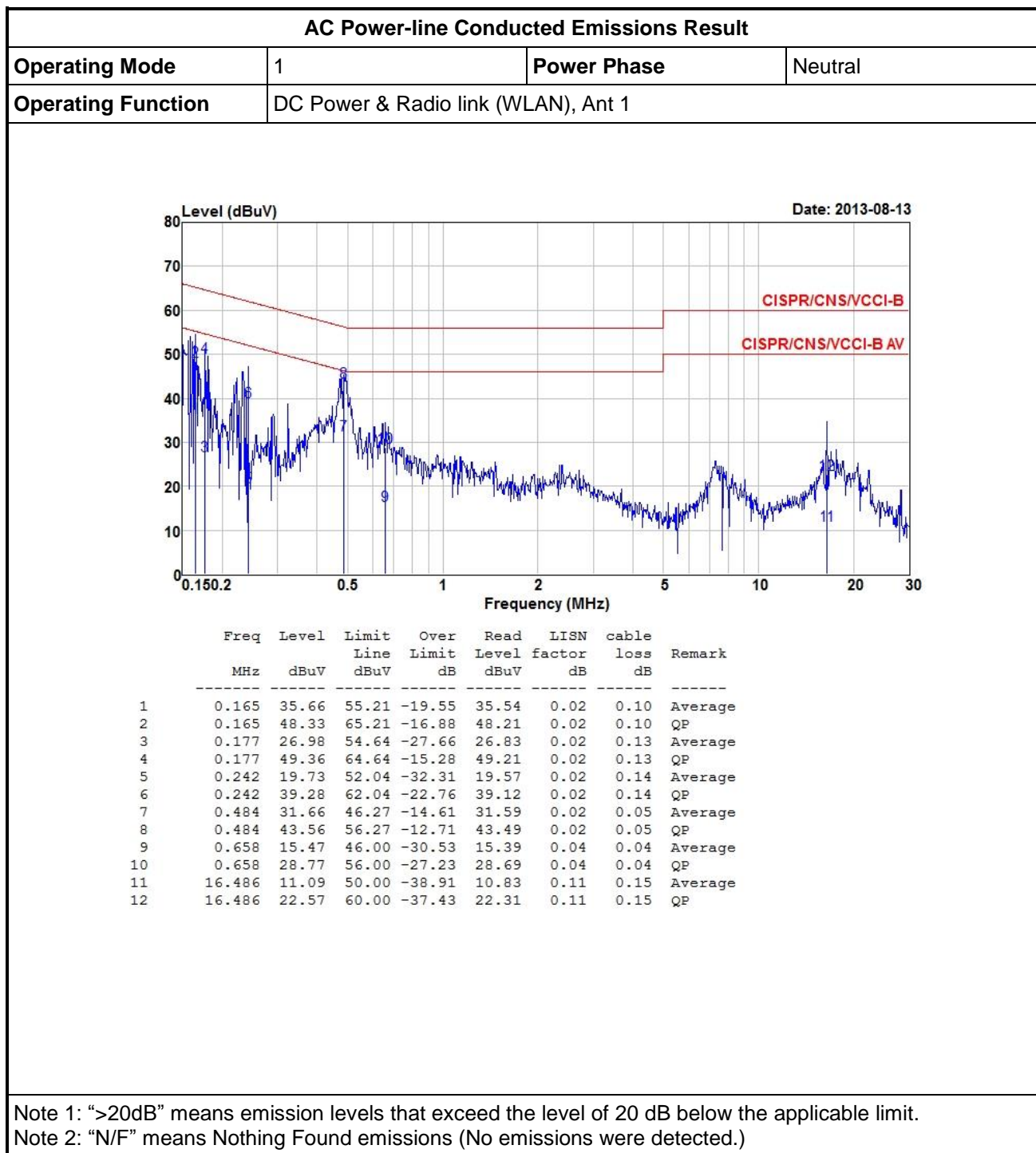
The Worst Case Mode for Following Conformance Tests			
<b>Tests Item</b>	Transmitter Radiated Unwanted Emissions		
<b>Test Condition</b>	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.		
<b>User Position</b>	<input type="checkbox"/> EUT will be placed in fixed position.		
	<input type="checkbox"/> EUT will be placed in mobile position and operating multiple positions. EUT shall be performed two orthogonal planes. The worst planes is X.		
	<input checked="" type="checkbox"/> EUT will be operating multiple positions. The dipole antenna of EUT was pre-tested on the positioned of each 3 axis. The worst plane is Y.		
<b>Operating Mode&lt; 1GHz</b>	<input checked="" type="checkbox"/> 1. DC Power & Radio link (WLAN), Ant 1		
	<input checked="" type="checkbox"/> 2. DC Power & Radio link (WLAN), Ant 2		
	<input checked="" type="checkbox"/> 3. DC Power & Radio link (WLAN), Ant 3		
<b>Modulation Mode</b>	11a, VHT20, VHT40, VHT80		
<b>Orthogonal Planes of EUT</b>	<b>X Plane</b>	<b>Y Plane</b>	<b>Z Plane</b>
			
<b>Note:</b> 1. 802.11n/ac modulation modes consist of HT20, HT40, VHT20, VHT40 and VHT80. After pretested, VHT20, VHT40, and VHT80 were the worst cases and were selected for final test.			

## 2.4 Test Setup Diagram



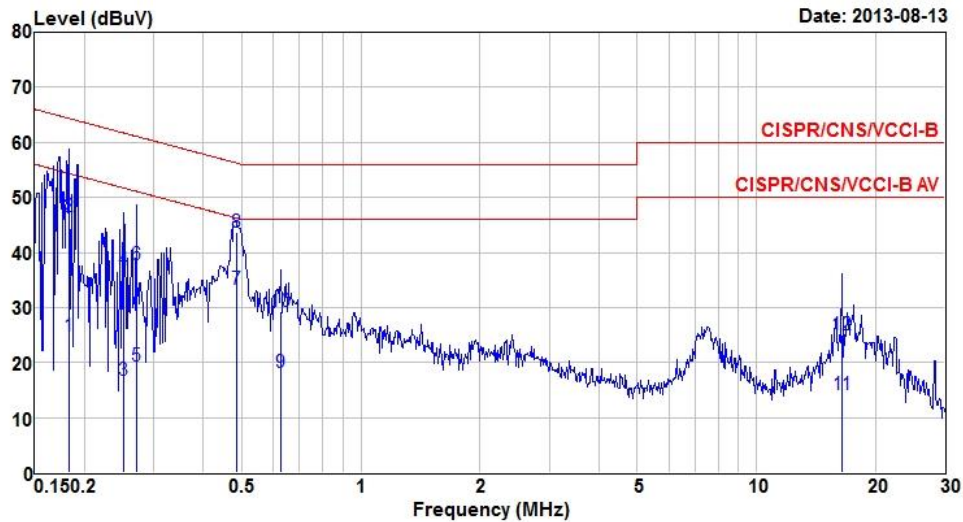


### 3.1.5 Test Result of AC Power-line Conducted Emissions



**AC Power-line Conducted Emissions Result**

Operating Mode	1	Power Phase	Line
Operating Function	DC Power & Radio link (WLAN), Ant 1		

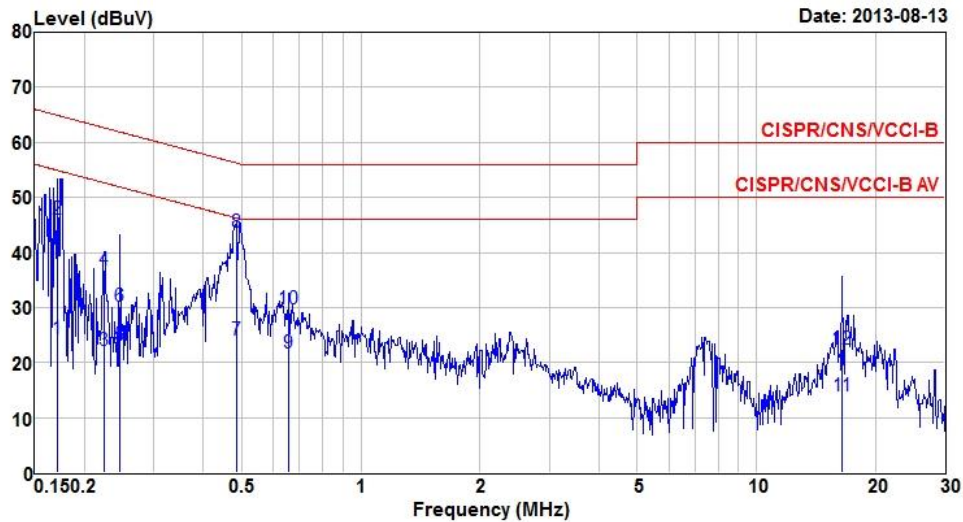


	Freq	Level	Limit	Over	Read	LISN	cable	Remark
	MHz	dBuV	Line	Limit	Level	factor	loss	
			dBuV	dB	dBuV	dB	dB	
1	0.183	24.74	54.33	-29.59	24.56	0.03	0.15	Average
2	0.183	46.62	64.33	-17.71	46.44	0.03	0.15	QP
3	0.251	16.74	51.73	-34.99	16.57	0.03	0.14	Average
4	0.251	36.86	61.73	-24.87	36.69	0.03	0.14	QP
5	0.270	19.29	51.12	-31.83	19.14	0.03	0.12	Average
6	0.270	37.88	61.12	-23.24	37.73	0.03	0.12	QP
7	0.484	33.19	46.27	-13.08	33.11	0.03	0.05	Average
8	0.484	43.75	56.27	-12.52	43.67	0.03	0.05	QP
9	0.627	18.17	46.00	-27.83	18.09	0.03	0.05	Average
10	0.627	29.37	56.00	-26.63	29.29	0.03	0.05	QP
11	16.486	14.24	50.00	-35.76	13.98	0.11	0.15	Average
12	16.486	24.98	60.00	-35.02	24.72	0.11	0.15	QP

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

**AC Power-line Conducted Emissions Result**

Operating Mode	2	Power Phase	Neutral
Operating Function	DC Power & Radio link (WLAN), Ant 2		



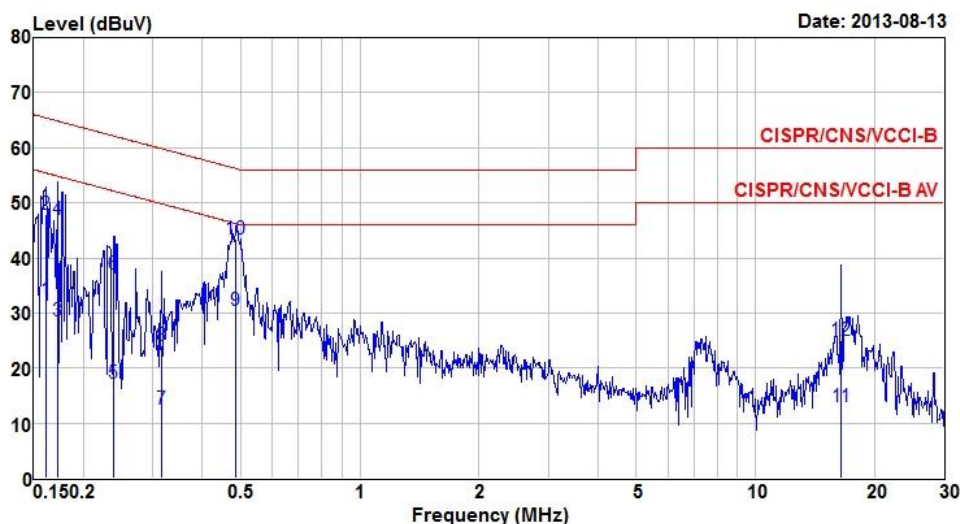
	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	LISN factor dB	cable loss dB	Remark
1	0.171	24.31	54.90	-30.59	24.18	0.02	0.11	Average
2	0.171	46.03	64.90	-18.87	45.90	0.02	0.11	QP
3	0.224	22.30	52.66	-30.36	22.12	0.02	0.16	Average
4	0.224	36.78	62.66	-25.88	36.60	0.02	0.16	QP
5	0.246	23.15	51.91	-28.76	22.99	0.02	0.14	Average
6	0.246	30.26	61.91	-31.65	30.10	0.02	0.14	QP
7	0.484	24.16	46.27	-22.11	24.09	0.02	0.05	Average
8	0.484	43.62	56.27	-12.65	43.55	0.02	0.05	QP
9	0.658	21.67	46.00	-24.33	21.59	0.04	0.04	Average
10	0.658	29.82	56.00	-26.18	29.74	0.04	0.04	QP
11	16.486	13.87	50.00	-36.13	13.61	0.11	0.15	Average
12	16.486	22.39	60.00	-37.61	22.13	0.11	0.15	QP

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



**AC Power-line Conducted Emissions Result**

Operating Mode	2	Power Phase	Line
Operating Function	DC Power & Radio link (WLAN), Ant 2		



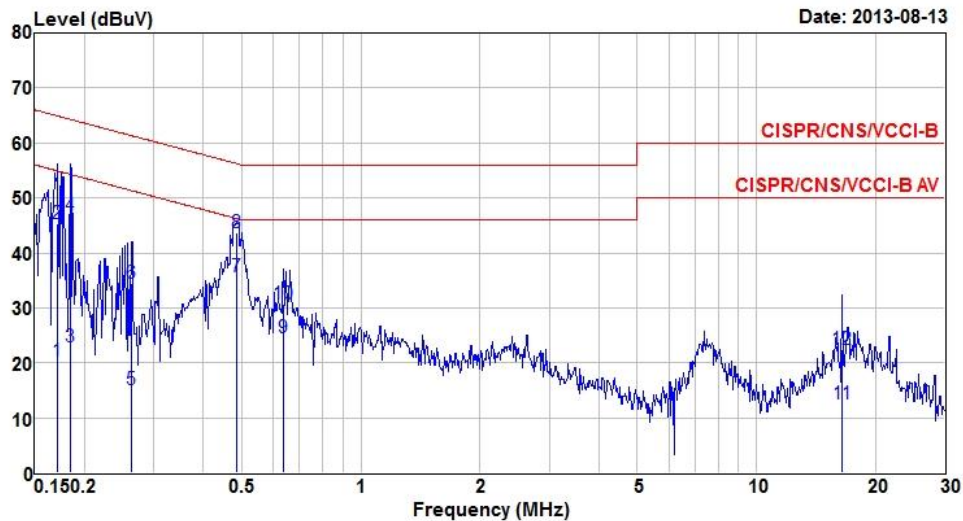
	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	LISN factor dB	cable loss dB	Remark
1	0.161	32.30	55.43	-23.13	32.18	0.03	0.09	Average
2	0.161	47.80	65.43	-17.63	47.68	0.03	0.09	QP
3	0.172	28.68	54.86	-26.18	28.53	0.03	0.12	Average
4	0.172	46.88	64.86	-17.98	46.73	0.03	0.12	QP
5	0.239	17.23	52.13	-34.90	17.05	0.03	0.15	Average
6	0.239	37.13	62.13	-25.00	36.95	0.03	0.15	QP
7	0.315	12.62	49.84	-37.22	12.49	0.03	0.10	Average
8	0.315	24.13	59.84	-35.71	24.00	0.03	0.10	QP
9	0.486	30.56	46.23	-15.67	30.48	0.03	0.05	Average
10	0.486	43.46	56.23	-12.77	43.38	0.03	0.05	QP
11	16.486	13.01	50.00	-36.99	12.75	0.11	0.15	Average
12	16.486	25.06	60.00	-34.94	24.80	0.11	0.15	QP

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

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

**AC Power-line Conducted Emissions Result**

Operating Mode	3	Power Phase	Neutral
Operating Function	DC Power & Radio link (WLAN), Ant 3		

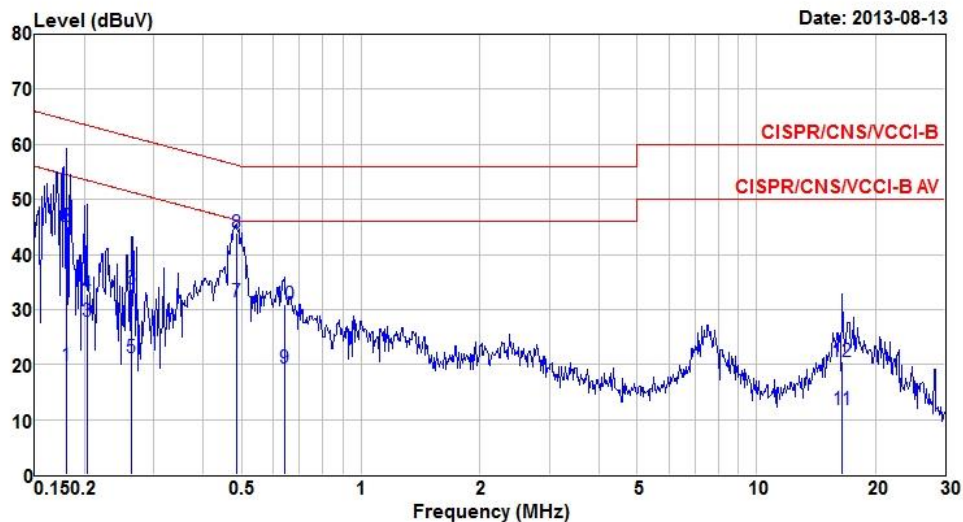


	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	LISN factor dB	cable loss dB	Remark
1	0.171	20.27	54.90	-34.63	20.14	0.02	0.11	Average
2	0.171	45.30	64.90	-19.60	45.17	0.02	0.11	QP
3	0.184	22.89	54.28	-31.39	22.72	0.02	0.15	Average
4	0.184	46.75	64.28	-17.53	46.58	0.02	0.15	QP
5	0.263	15.03	51.34	-36.31	14.88	0.02	0.13	Average
6	0.263	34.46	61.34	-26.88	34.31	0.02	0.13	QP
7	0.484	35.72	46.27	-10.55	35.65	0.02	0.05	Average
8	0.484	43.70	56.27	-12.57	43.63	0.02	0.05	QP
9	0.637	24.52	46.00	-21.48	24.46	0.02	0.04	Average
10	0.637	30.74	56.00	-25.26	30.68	0.02	0.04	QP
11	16.486	12.45	50.00	-37.55	12.19	0.11	0.15	Average
12	16.486	22.39	60.00	-37.61	22.13	0.11	0.15	QP

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

**AC Power-line Conducted Emissions Result**

Operating Mode	3	Power Phase	Line
Operating Function	DC Power & Radio link (WLAN), Ant 3		



	Freq	Level	Limit	Over	Read	LISN	cable	Remark
	MHz	dBuV	Line	Limit	Level	factor	loss	
			dBuV	dB	dBuV	dB	dB	
1	0.181	19.81	54.46	-34.65	19.64	0.03	0.14	Average
2	0.181	45.05	64.46	-19.41	44.88	0.03	0.14	QP
3	0.203	27.87	53.49	-25.62	27.66	0.03	0.18	Average
4	0.203	32.75	63.49	-30.74	32.54	0.03	0.18	QP
5	0.263	21.26	51.34	-30.08	21.10	0.03	0.13	Average
6	0.263	33.68	61.34	-27.66	33.52	0.03	0.13	QP
7	0.484	31.44	46.27	-14.83	31.36	0.03	0.05	Average
8	0.484	43.79	56.27	-12.48	43.71	0.03	0.05	QP
9	0.641	19.38	46.00	-26.62	19.31	0.03	0.04	Average
10	0.641	30.88	56.00	-25.12	30.81	0.03	0.04	QP
11	16.486	11.87	50.00	-38.13	11.61	0.11	0.15	Average
12	16.486	20.59	60.00	-39.41	20.33	0.11	0.15	QP

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

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

## 3.2 6dB Bandwidth

### 3.2.1 6dB Bandwidth Limit

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

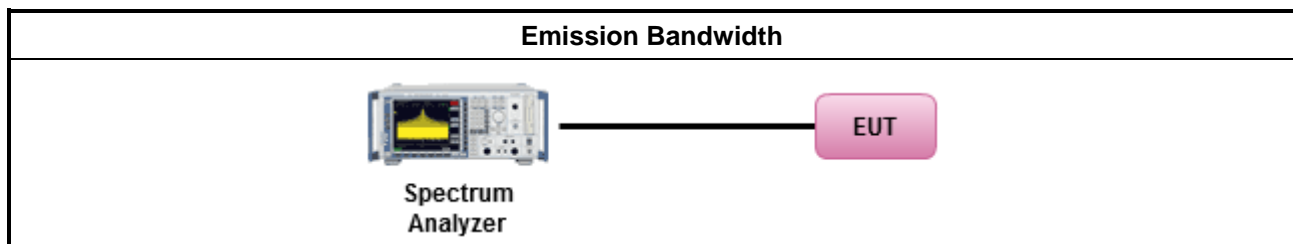
### 3.2.2 Measuring Instruments

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

### 3.2.3 Test Procedures

Test Method	
<input checked="" type="checkbox"/>	For the emission bandwidth shall be measured using one of the options below:
<input checked="" type="checkbox"/>	Refer as FCC KDB 558074 v03r01, clause 8.1 Option 1 for 6 dB bandwidth measurement.
<input type="checkbox"/>	Refer as FCC KDB 558074 v03r01, clause 8.2 Option 2 for 6 dB bandwidth measurement.
<input type="checkbox"/>	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.
<input checked="" type="checkbox"/>	For conducted measurement.
<input type="checkbox"/>	The EUT supports single transmit chain and measurements performed on this transmit chain.
<input type="checkbox"/>	The EUT supports diversity transmitting and the results on transmit chain port 1 is the worst case.
<input checked="" type="checkbox"/>	The EUT supports multiple transmit chains using options given below:
<input type="checkbox"/>	Option 1: Multiple transmit chains measurements need to be performed on one of the active transmit chains (antenna outputs). All measurement had be performed on transmit chains 1.
<input checked="" type="checkbox"/>	Option 2: Multiple transmit chains measurements need to be performed on each transmit chains individually (antenna outputs). All measurement had be performed on all transmit chains.

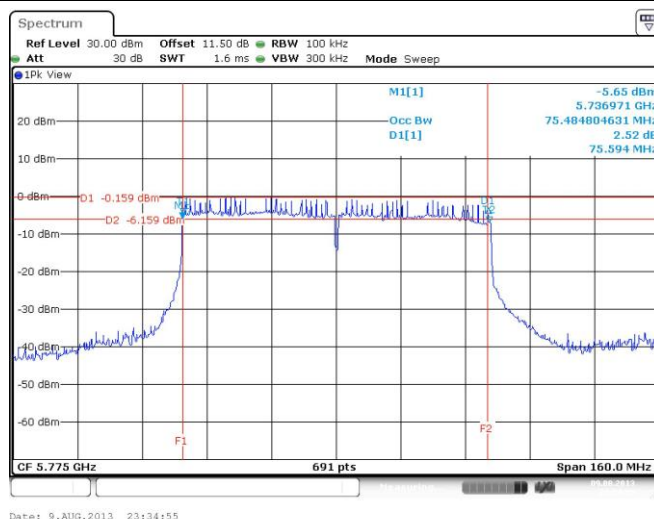
### 3.2.4 Test Setup



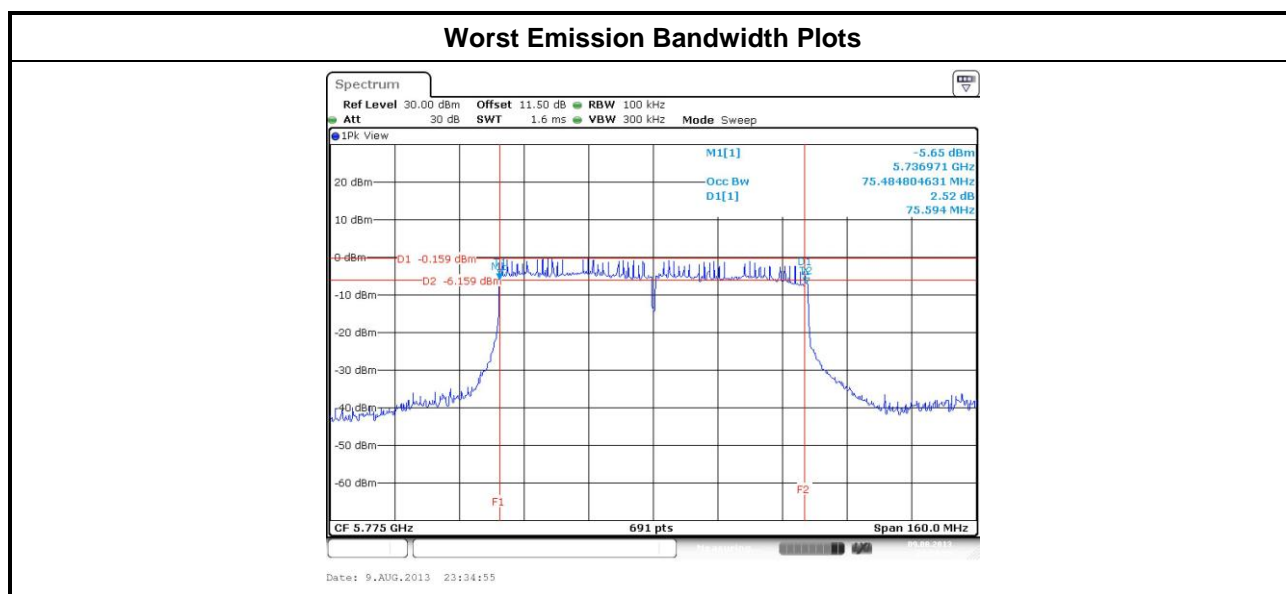
### 3.2.5 Test Result of Emission Bandwidth

Operating Mode			1							
Emission Bandwidth Result										
Condition			Emission Bandwidth (MHz)							
Modulation Mode	N <sub>TX</sub>	Freq. (MHz)	99% Bandwidth				6dB Bandwidth			
			Chain-Port 1	Chain-Port 2	Chain-Port 3	Chain-Port 4	Chain-Port 1	Chain-Port 2	Chain-Port 3	Chain-Port 4
11a	3	5745	22.11	25.53	24.72	---	16.35	16.35	16.35	---
11a	3	5785	19.97	23.10	24.20	---	16.35	16.35	16.35	---
11a	3	5825	21.01	24.95	24.78	---	16.35	16.35	16.35	---
VHT20	3	5745	22.17	26.16	25.35	---	17.51	17.57	17.28	---
VHT20	3	5785	20.90	24.20	25.30	---	17.62	16.99	17.33	---
VHT20	3	5825	21.65	25.18	25.64	---	17.28	17.51	17.57	---
VHT40	3	5755	46.77	52.68	48.39	---	35.83	35.71	35.71	---
VHT40	3	5795	44.23	50.13	49.55	---	35.83	35.94	35.71	---
VHT80	3	5775	76.18	76.41	76.18	---	75.36	75.59	75.36	---
Limit			N/A				≥500 kHz			
Result			Complied							
Note 1: N <sub>TX</sub> = Number of Transmit Chains										

#### Worst Emission Bandwidth Plots



Operating Mode			3							
Emission Bandwidth Result										
Condition			Emission Bandwidth (MHz)							
Modulation Mode	N <sub>TX</sub>	Freq. (MHz)	99% Bandwidth				6dB Bandwidth			
			Chain-Port 1	Chain-Port 2	Chain-Port 3	Chain-Port 4	Chain-Port 1	Chain-Port 2	Chain-Port 3	Chain-Port 4
11a	3	5745	17.48	18.47	18.12	---	16.35	16.35	16.35	---
11a	3	5785	17.42	17.71	17.95	---	16.35	16.35	16.35	---
11a	3	5825	17.25	17.89	17.77	---	16.35	16.35	16.35	---
VHT20	3	5745	18.58	19.10	19.22	---	17.57	17.57	17.57	---
VHT20	3	5785	18.41	18.87	19.22	---	17.57	17.57	17.62	---
VHT20	3	5825	18.41	18.76	19.28	---	17.57	17.57	17.57	---
VHT40	3	5755	39.25	42.84	39.71	---	35.83	36.06	35.71	---
VHT40	3	5795	39.59	43.18	41.22	---	36.06	36.29	36.29	---
VHT80	3	5775	76.18	76.41	76.18	---	75.36	75.59	75.36	---
Limit			N/A				≥500 kHz			
Result			Complied							
Note 1: N <sub>TX</sub> = Number of Transmit Chains										



### 3.3 RF Output Power

#### 3.3.1 RF Output Power Limit

RF Output Power Limit	
<b>Maximum Peak Conducted Output Power or Maximum Conducted Output Power Limit (for ac(VHT80) only)</b>	
<input checked="" type="checkbox"/> 5725-5850 MHz Band:	
<input checked="" type="checkbox"/>	If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)
<input checked="" type="checkbox"/>	Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ dBm
<input type="checkbox"/>	Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30$ dBm
<b>e.i.r.p. Power Limit:</b>	
<input checked="" type="checkbox"/> 5725-5850 MHz Band	
<input checked="" type="checkbox"/>	Point-to-multipoint systems (P2M): $P_{eirp} \leq 36$ dBm (4 W)
<input type="checkbox"/>	Point-to-point systems (P2P): N/A
$P_{Out}$ = maximum peak conducted output power or maximum conducted output power in dBm, $G_{TX}$ = the maximum transmitting antenna directional gain in dBi. $P_{eirp}$ = e.i.r.p. Power in dBm.	

#### 3.3.2 Measuring Instruments

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

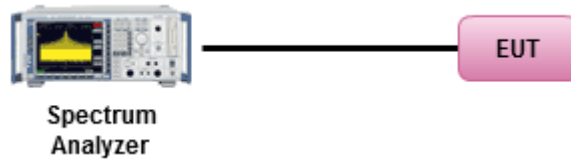
### 3.3.3 Test Procedures

Test Method	
<input checked="" type="checkbox"/>	Maximum Peak Conducted Output Power
<input type="checkbox"/>	Refer as FCC KDB 558074 v03r01, clause 9.1.1 (RBW $\geq$ DTS BW).
<input checked="" type="checkbox"/>	Refer as FCC KDB 558074 v03r01, clause 9.1.2 (Integrated band power method). For 11ac VHT80 mode
<input checked="" type="checkbox"/>	Refer as FCC KDB 558074 v03r01, clause 9.1.3 (Peak power meter) For all modes except 11ac VHT80
<input checked="" type="checkbox"/>	Maximum Conducted Output Power ( Reference only)
<input type="checkbox"/>	Refer as FCC KDB 558074 v03r01, clause 9.2.1.2 Method AVGSA-1 (spectral trace averaging).
<input type="checkbox"/>	Refer as FCC KDB 558074 v03r01, clause 9.2.1.3 Method AVGSA-1 Alt. (slow sweep speed)
<input type="checkbox"/>	Refer as FCC KDB 558074 v03r01, clause 9.2.1.4 Method AVGSA-2 (spectral trace averaging).
<input type="checkbox"/>	Refer as FCC KDB 558074 v03r01, clause 9.2.1.5 Method AVGSA-2 Alt. (slow sweep speed)
	RF power meter and average over on/off periods with duty factor or gated trigger
<input checked="" type="checkbox"/>	Refer as FCC KDB 558074 v03r01, clause 9.2.2 Method AVGPM-G (using a gated RF average power meter)
<input checked="" type="checkbox"/>	For conducted measurement.
<input type="checkbox"/>	The EUT supports single transmit chain and measurements performed on this transmit chain.
<input type="checkbox"/>	The EUT supports diversity transmitting and the results on transmit chain port 1 is the worst case.
<input checked="" type="checkbox"/>	The EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
<input checked="" type="checkbox"/>	If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

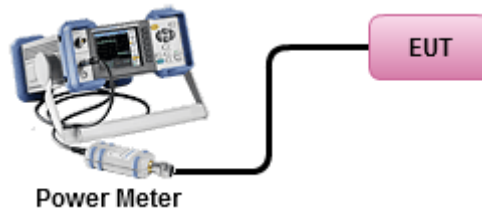


### 3.3.4 Test Setup

#### RF Output Power (Spectrum Analyzer), for 11ac VHT 80



#### RF Output Power (Power Meter), for all modes except 11ac VHT80.



### 3.3.5 Directional Gain for Power Measurement

Operating Mode		1			
Directional Gain (DG) Result					
Transmit Chains No.		1	2	3	-
Maximum $G_{ANT}$ (dBi)		3	3	3	-
Modulation Mode	DG (dBi)	$N_{TX}$	$N_{SS}$	STBC	Array Gain (dB)
11a,6-54Mbps	3	3	1	-	-
HT20,M0-23	3	3	1	-	-
HT40,M0-23	3	3	1	-	-
VHT20,M0-9	3	3	1	-	-
VHT40,M0-9	3	3	1	-	-
VHT80,M0-9	3	3	1	-	-
Note 1: For CDD transmissions, directional gain is calculated as power measurements: Directional Gain (DG) = $G_{ANT}$ + Array Gain, where Array Gain is as follows: Array Gain = 0 dB (i.e., no array gain) for $N_{TX} \leq 4$ ; Array Gain = 0 dB (i.e., no array gain) for channel widths $\geq 40$ MHz for any $N_{TX}$ ;					

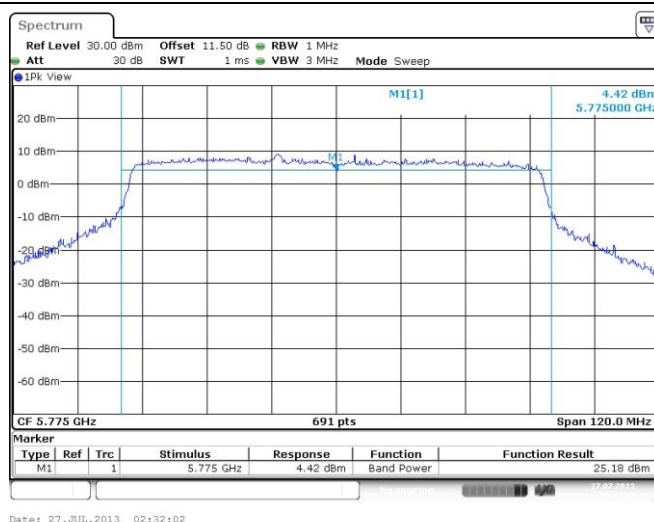
Operating Mode		3			
Directional Gain (DG) Result					
Transmit Chains No.		1	2	3	-
Maximum G <sub>ANT</sub> (dBi)		6	6	6	-
Modulation Mode	DG (dBi)	N <sub>TX</sub>	N <sub>SS</sub>	STBC	Array Gain (dB)
11a,6-54Mbps	6	3	1	-	-
HT20,M0-23	6	3	1	-	-
HT40,M0-23	6	3	1	-	-
VHT20,M0-9	6	3	1	-	-
VHT40,M0-9	6	3	1	-	-
VHT80,M0-9	6	3	1	-	-
Note 1: For CDD transmissions, directional gain is calculated as power measurements: Directional Gain (DG) = G <sub>ANT</sub> + Array Gain, where Array Gain is as follows: Array Gain = 0 dB (i.e., no array gain) for N <sub>TX</sub> ≤ 4; Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any N <sub>TX</sub> ;					

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

Operating Mode			1									
Condition			RF Output Power (dBm)									
Modulation Mode	N <sub>TX</sub>	Freq. (MHz)	Chain Port 1	Chain Port 2	Chain Port 3	Chain Port 4	Sum Chain	Power Limit	DG (dBi)	EIRP Power	EIRP Limit	
11a	3	5745	24.69	24.80	25.10	---	29.64	30.00	3.00	32.64	36.00	
11a	3	5785	24.71	24.81	25.25	---	29.70	30.00	3.00	32.70	36.00	
11a	3	5825	24.78	24.89	25.26	---	29.75	30.00	3.00	32.75	36.00	
HT20	3	5745	24.81	24.87	25.23	---	29.75	30.00	3.00	32.75	36.00	
HT20	3	5785	24.63	24.81	25.19	---	29.65	30.00	3.00	32.65	36.00	
HT20	3	5825	24.71	24.87	25.23	---	29.71	30.00	3.00	32.71	36.00	
HT40	3	5755	24.52	24.81	25.08	---	29.58	30.00	3.00	32.58	36.00	
HT40	3	5795	24.62	24.83	25.11	---	29.63	30.00	3.00	32.63	36.00	
VHT20	3	5745	24.83	24.92	25.28	---	29.79	30.00	3.00	32.79	36.00	
VHT20	3	5785	24.89	24.98	25.29	---	29.83	30.00	3.00	32.83	36.00	
VHT20	3	5825	24.76	24.91	25.29	---	29.76	30.00	3.00	32.76	36.00	
VHT40	3	5755	24.69	24.88	25.18	---	29.69	30.00	3.00	32.69	36.00	
VHT40	3	5795	24.70	24.92	25.23	---	29.73	30.00	3.00	32.73	36.00	
Result			Complied									

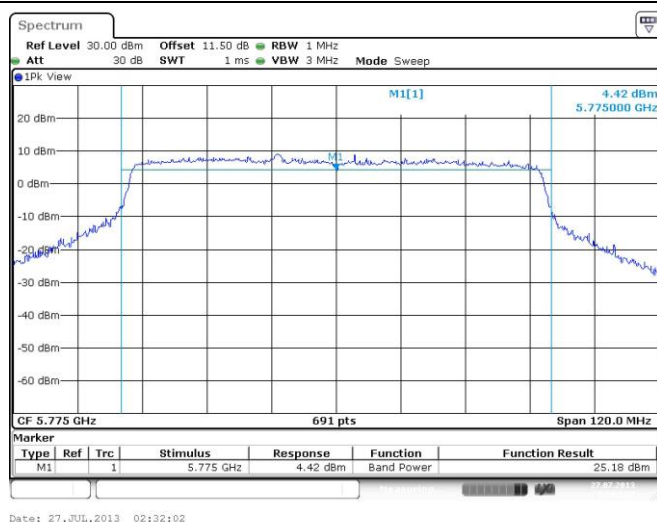
Condition			RF Output Power (dBm)								
Modulation Mode	N <sub>TX</sub>	Freq. (MHz)	Chain Port 1	Chain Port 2	Chain Port 3	Chain Port 4	Sum Chain	Power Limit	DG (dBi)	EIRP Power	EIRP Limit
VHT80	3	5775	24.05	24.88	25.18	---	29.50	30.00	3.00	32.50	36.00
Result			Complied								

#### Worst RF Output Power Plots



Operating Mode			3								
Condition			RF Output Power (dBm)								
Modulation Mode	N <sub>TX</sub>	Freq. (MHz)	Chain Port 1	Chain Port 2	Chain Port 3	Chain Port 4	Sum Chain	Power Limit	DG (dBi)	EIRP Power	EIRP Limit
11a	3	5745	23.79	24.12	24.27	-	28.84	30.00	6.00	34.84	36.00
11a	3	5785	23.68	23.97	24.31	-	28.77	30.00	6.00	34.77	36.00
11a	3	5825	23.65	24.08	24.33	-	28.80	30.00	6.00	34.80	36.00
HT20	3	5745	23.59	24.03	24.31	-	28.76	30.00	6.00	34.76	36.00
HT20	3	5785	23.66	23.94	24.27	-	28.74	30.00	6.00	34.74	36.00
HT20	3	5825	23.57	23.98	24.36	-	28.75	30.00	6.00	34.75	36.00
HT40	3	5755	23.76	23.85	24.28	-	28.74	30.00	6.00	34.74	36.00
HT40	3	5795	23.91	24.17	24.53	-	28.98	30.00	6.00	34.98	36.00
VHT20	3	5745	23.66	24.09	24.43	-	28.84	30.00	6.00	34.84	36.00
VHT20	3	5785	23.71	23.99	24.35	-	28.80	30.00	6.00	34.80	36.00
VHT20	3	5825	23.62	24.05	24.47	-	28.83	30.00	6.00	34.83	36.00
VHT40	3	5755	23.82	23.97	24.36	-	28.83	30.00	6.00	34.83	36.00
VHT40	3	5795	23.99	24.19	24.65	-	29.06	30.00	6.00	35.06	36.00
Result			Complied								

Condition			RF Output Power (dBm)								
Modulation Mode	N <sub>TX</sub>	Freq. (MHz)	Chain Port 1	Chain Port 2	Chain Port 3	Chain Port 4	Sum Chain	Power Limit	DG (dBi)	EIRP Power	EIRP Limit
VHT80	3	5775	24.05	24.88	25.18	---	29.50	30.00	6.00	35.50	36.00
Result			Complied								

**Worst RF Output Power Plots**


**3.3.7 Test Result of Maximum Conducted (Average) Output Power**

Condition			RF Output Power (dBm)							
Operating Mode			1				3			
Modulation Mode	N <sub>TX</sub>	Freq. (MHz)	Chain Port 1	Chain Port 2	Chain Port 3	Sum Chain	Chain Port 1	Chain Port 2	Chain Port 3	Sum Chain
11a	3	5745	21.62	22.12	22.48	26.86	19.37	19.95	19.88	24.51
11a	3	5785	21.38	22.03	22.59	26.80	19.16	19.63	19.77	24.30
11a	3	5825	21.56	22.34	22.55	26.94	18.92	19.68	19.76	24.24
HT20	3	5745	22.08	22.70	22.87	27.33	19.11	19.78	19.96	24.40
HT20	3	5785	21.87	22.60	22.73	27.18	18.99	19.52	19.65	24.17
HT20	3	5825	21.90	22.70	22.92	27.30	18.78	19.54	19.68	24.12
HT40	3	5755	21.38	22.06	22.21	26.67	19.47	19.68	19.83	24.43
HT40	3	5795	21.40	22.08	22.20	26.68	19.51	19.99	20.15	24.66
VHT20	3	5745	21.64	22.38	22.50	26.96	19.14	19.87	20.01	24.46
VHT20	3	5785	21.61	22.26	22.43	26.89	19.08	19.56	19.74	24.24
VHT20	3	5825	21.56	22.29	22.54	26.92	18.82	19.63	19.73	24.18
VHT40	3	5755	21.28	21.89	22.03	26.52	19.53	19.81	19.95	24.54
VHT40	3	5795	21.22	21.94	22.01	26.51	19.53	20.09	20.24	24.74
VHT80	3	5775	15.35	16.10	16.18	20.66	15.35	16.10	16.18	20.66
<b>Result</b>			<b>Complied</b>							

Note: Average power is for reference only

### 3.4 Power Spectral Density

#### 3.4.1 Power Spectral Density Limit

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

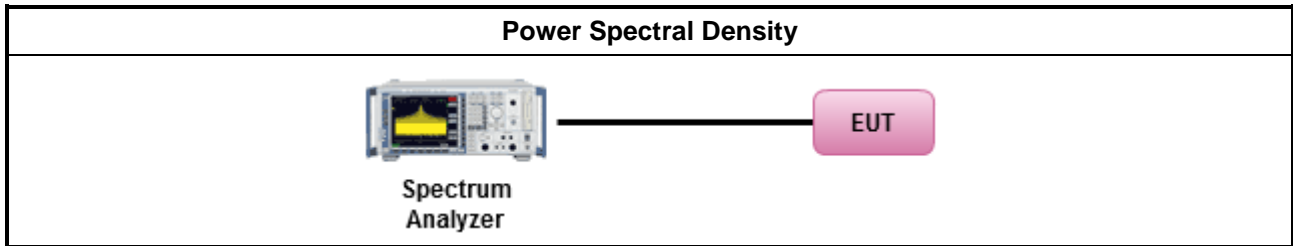
#### 3.4.2 Measuring Instruments

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

#### 3.4.3 Test Procedures

Test Method	
<input checked="" type="checkbox"/>	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).
<input checked="" type="checkbox"/>	Refer as FCC KDB 558074 v03r01, clause 10.2 Method PKPSD (RBW=3kHz; detector=peak)..
<input type="checkbox"/>	Refer as FCC KDB 558074 v03r01, clause 10.3 Method AVGPSD-1 (spectral trace averaging).
<input type="checkbox"/>	Refer as FCC KDB 558074 v03r01, clause 10.4 Method AVGPSD-1 Alt. (slow sweep speed)
<input type="checkbox"/>	Refer as FCC KDB 558074 v03r01, clause 10.5 Method AVGPSD-2 (spectral trace averaging).
<input type="checkbox"/>	Refer as FCC KDB 558074 v03r01, clause 10.6 Method AVGPSD-2 Alt. (slow sweep speed)
<input checked="" type="checkbox"/>	For conducted measurement.
<input type="checkbox"/>	The EUT supports single transmit chain and measurements performed on this transmit chain.
<input type="checkbox"/>	The EUT supports diversity transmitting and the results on transmit chain port 1 is the worst case.
<input checked="" type="checkbox"/>	The EUT supports multiple transmit chains using options given below:
<input checked="" type="checkbox"/>	Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the N <sub>TX</sub> output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
<input type="checkbox"/>	Option 2: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.

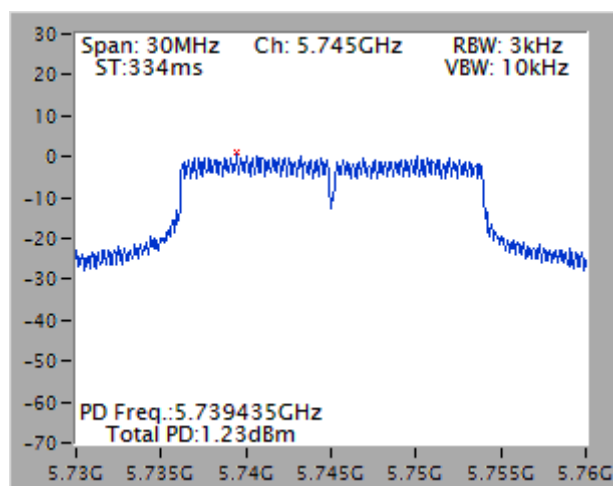
### 3.4.4 Test Setup



### 3.4.5 Test Result of Power Spectral Density

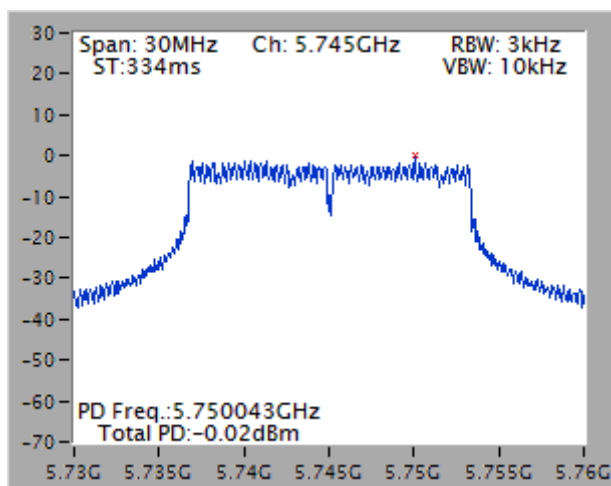
Operating Mode			1	
Power Spectral Density Result				
Condition			Power Spectral Density (dBm/3kHz)	
Modulation Mode	N <sub>TX</sub>	Freq. (MHz)	Sum Chain	Power Limit
11a	3	5745	0.24	6.23
11a	3	5785	0.17	6.23
11a	3	5825	0.62	6.23
VHT20	3	5745	1.23	6.23
VHT20	3	5785	0.29	6.23
VHT20	3	5825	0.13	6.23
VHT40	3	5755	-2.67	6.23
VHT40	3	5795	-2.27	6.23
VHT80	3	5775	-11.23	6.23
Result			Complied	
Note 1: PSD = sum each transmit chains by bin-to-bin PSD				
Note 2: Directional gain = 3 + 10 * log(3/1) = 7.77 dBi > 6dBi, limit shall be reduced to 8 dBm – (7.77 dBi – 6dBi) = 6.23 dBm				

#### Worst Power Spectral Density Plots





Operating Mode			3	
Power Spectral Density Result				
Condition			Power Spectral Density (dBm/3kHz)	
Modulation Mode	N <sub>TX</sub>	Freq. (MHz)	Sum Chain	Power Limit
11a	3	5745	-0.02	3.23
11a	3	5785	-1.43	3.23
11a	3	5825	-0.95	3.23
HT20	3	5745	-1.45	3.23
HT20	3	5785	-1.59	3.23
HT20	3	5825	-1.53	3.23
HT40	3	5755	-4.19	3.23
HT40	3	5795	-3.70	3.23
VHT80	3	5775	-11.23	3.23
Result			Complied	
Note 1: PSD = sum each transmit chains by bin-to-bin PSD				
Note 2: Directional gain = 6 + 10 * log(3/1) = 10.77 dBi > 6dBi, limit shall be reduced to 8 dBm – (10.77 dBi – 6dBi) = 3.23 dBm				

**Worst Power Spectral Density Plots**


### 3.5 Emissions in non-restricted frequency bands

#### 3.5.1 Emissions in non-restricted frequency bands limit

Peak power in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz

#### 3.5.2 Measuring Instruments

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

#### 3.5.3 Test Procedures

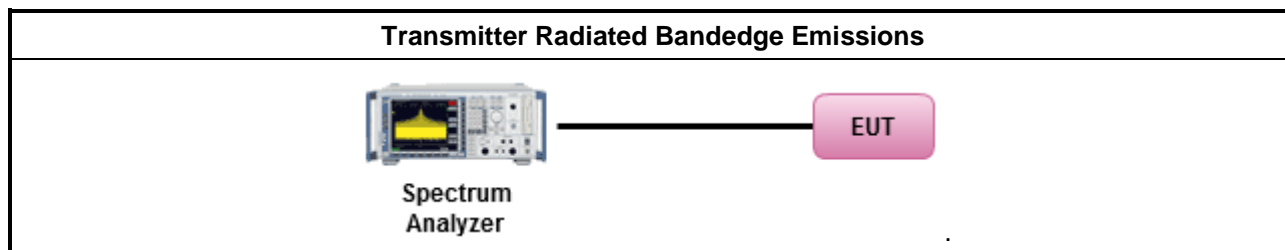
##### Reference level measurement

1. Set RBW=100kHz, VBW = 300kHz , Detector = Peak, Sweep time = Auto
2. Trace = max hold , Allow Trace to fully stabilize
3. Use the peak marker function to determine the maximum PSD level

##### Emission level measurement

1. Set RBW=100kHz, VBW = 300kHz , Detector = Peak, Sweep time = Auto
2. Trace = max hold , Allow Trace to fully stabilize
3. Scan Frequency range is up to 40GHz
4. Use the peak marker function to determine the maximum amplitude level

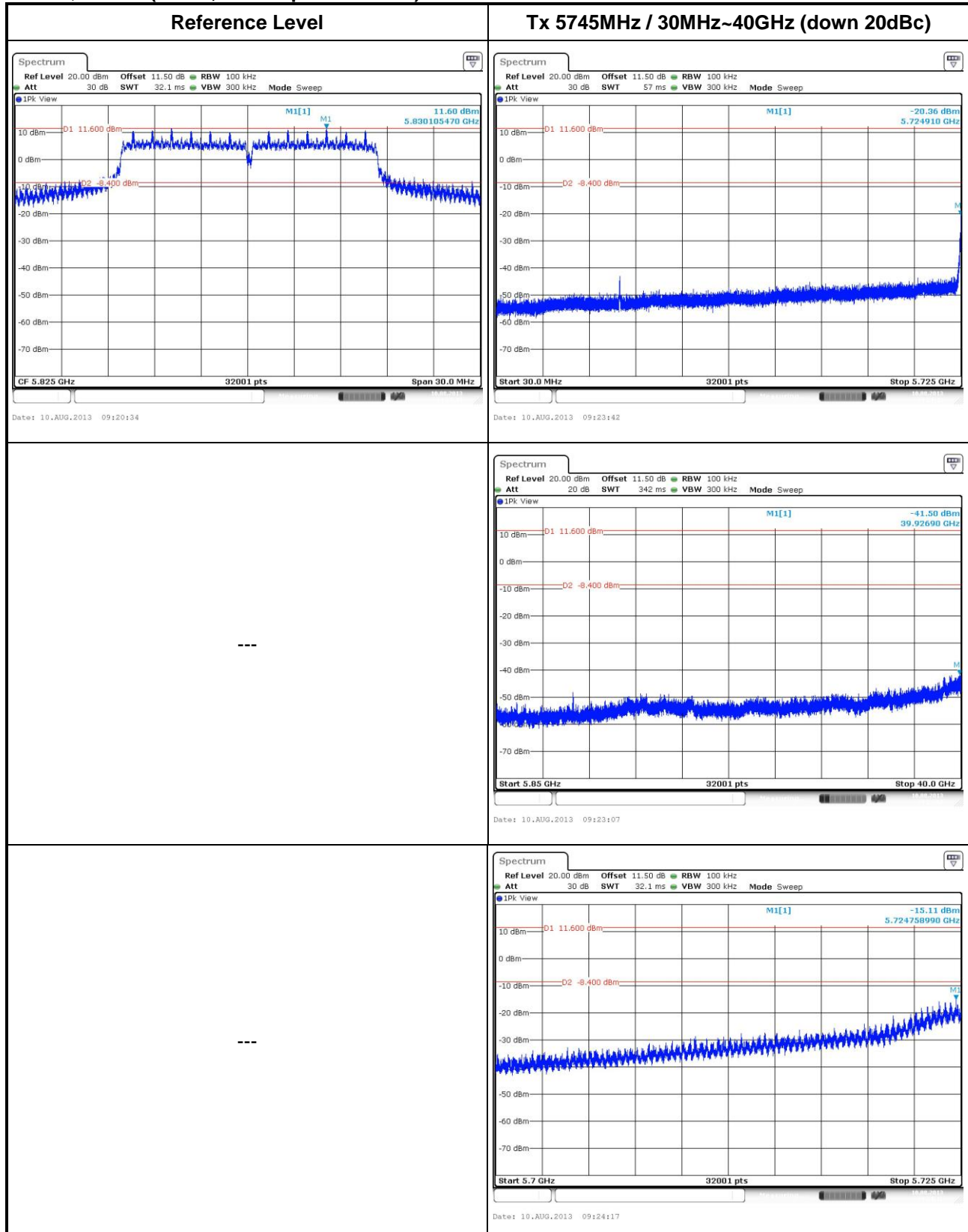
#### 3.5.4 Test Setup



#### 3.5.5 Test Result of Emissions in non-restricted frequency bands

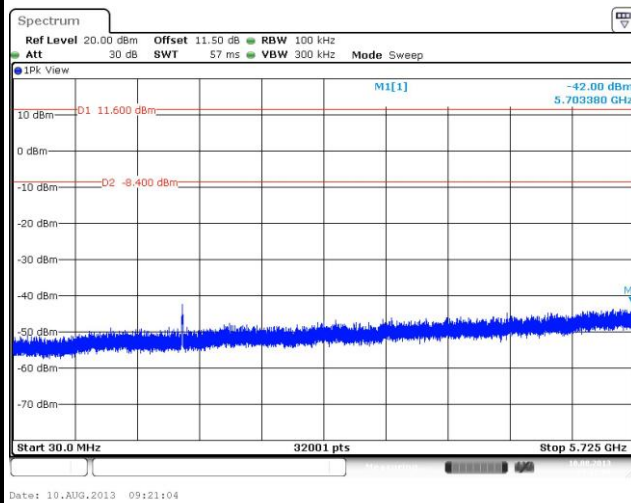
This test item is performed on each TX output individually without summing or adding  $10 \log(N_{ANT})$  since measurements are made relative to the in-band emissions on the individual outputs. Only worst test result of each operating mode is presented.

## 802.11a, Mode 1 (Ant. 1, 3dBi Dipole antenna)

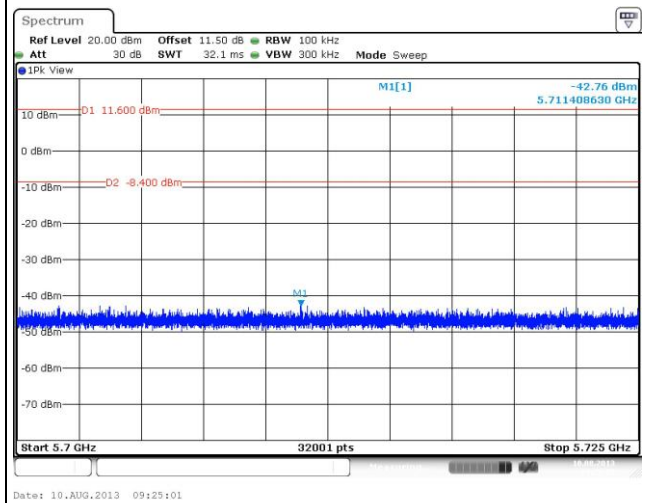
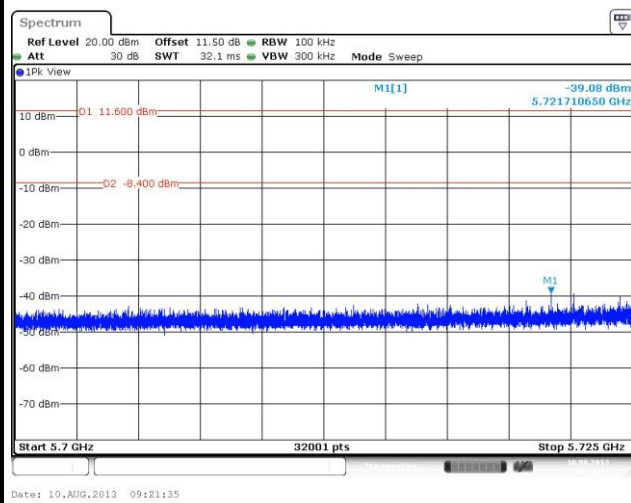
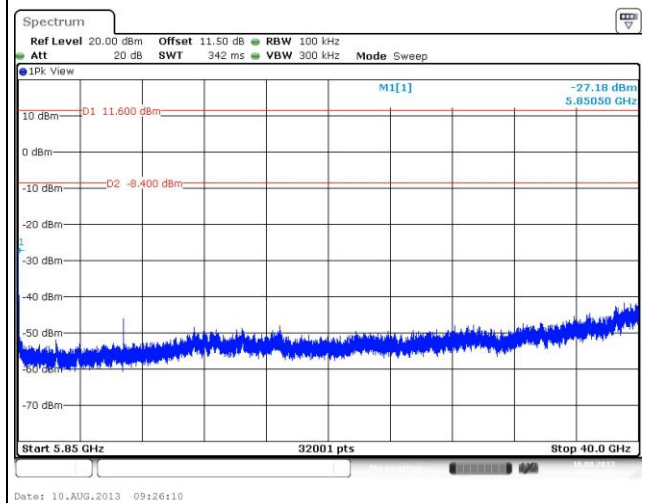
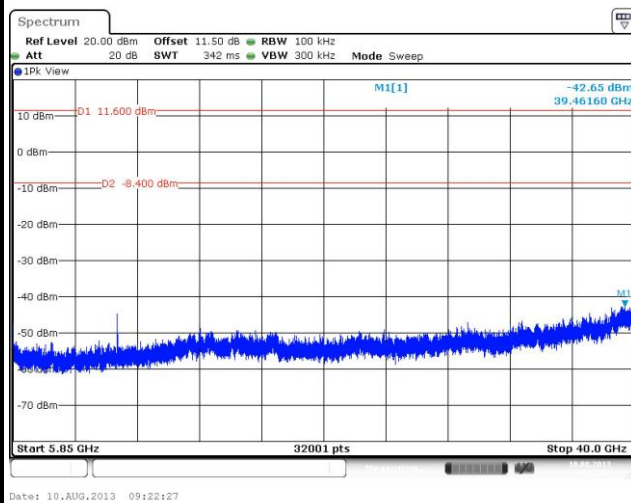
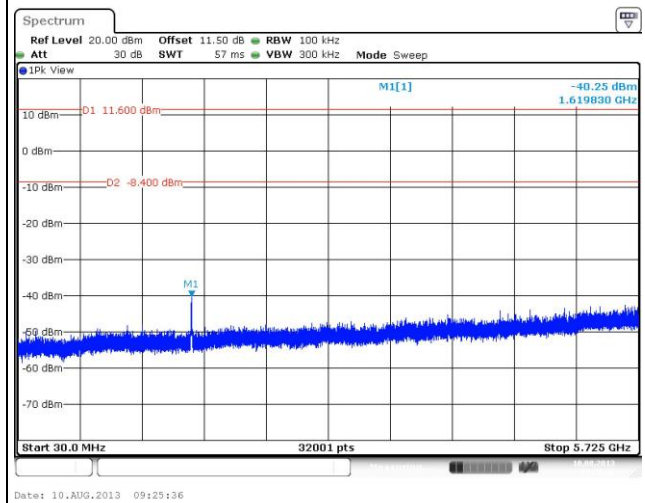




Tx 5785MHz / 30MHz~40GHz (down 20dBc)

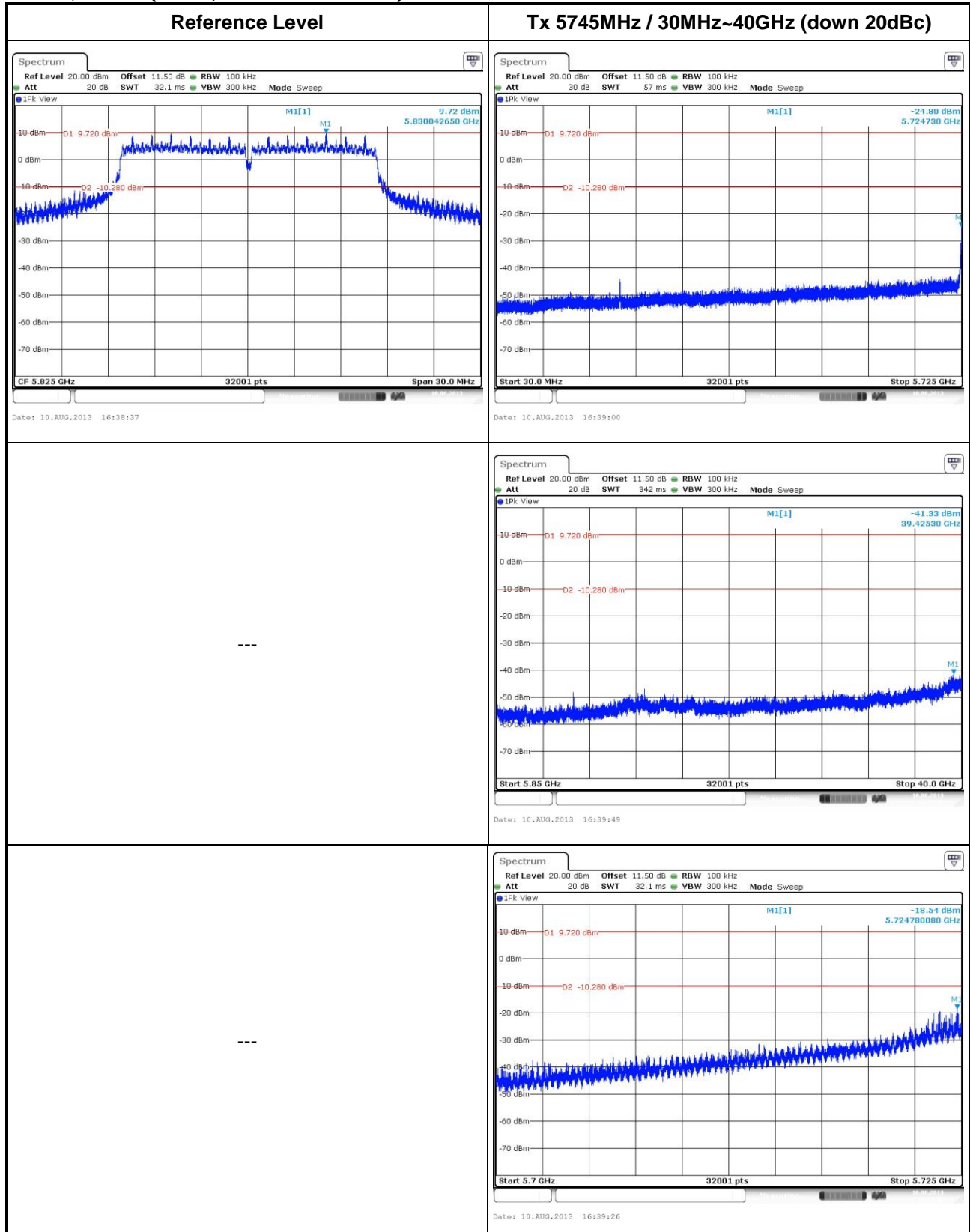


Tx 5825MHz / 30MHz~40GHz (down 20dBc)

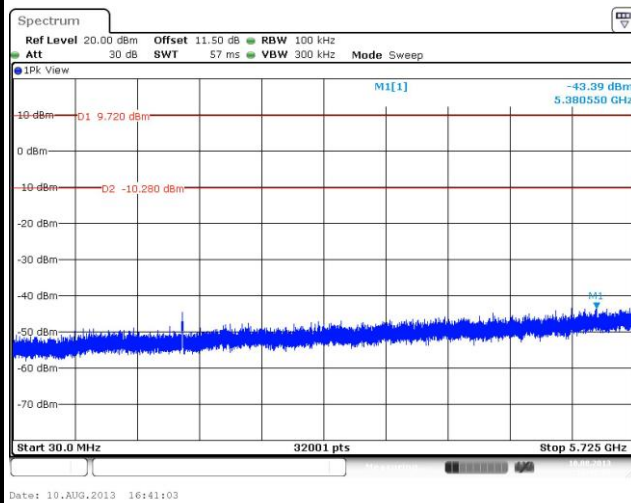




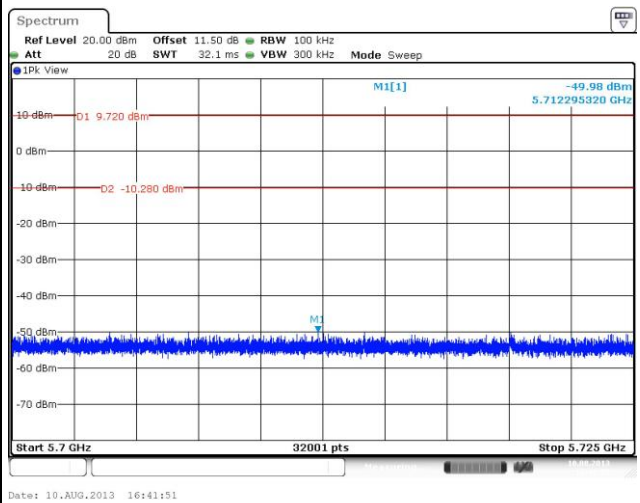
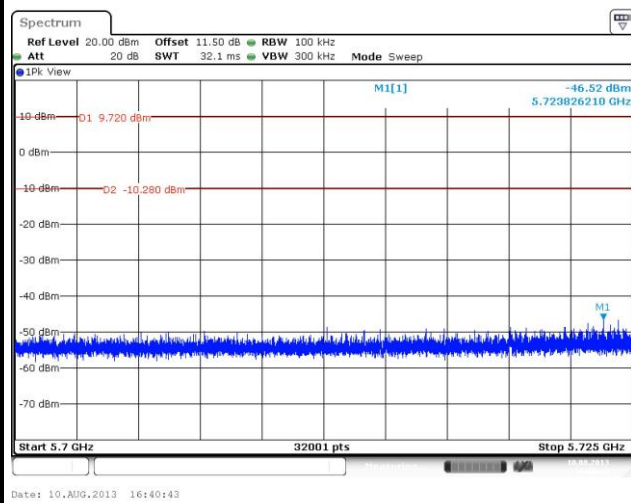
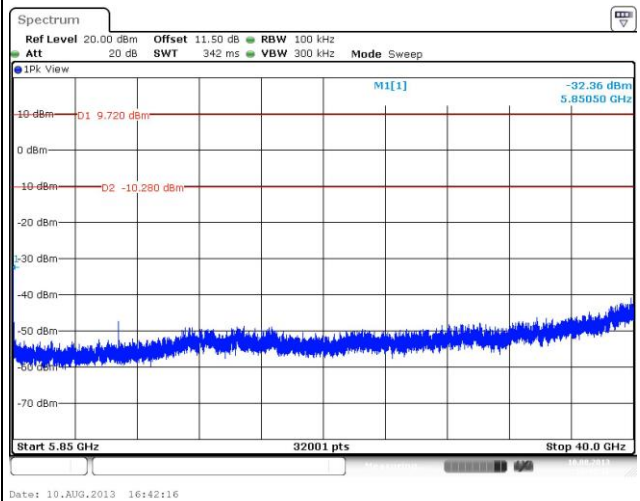
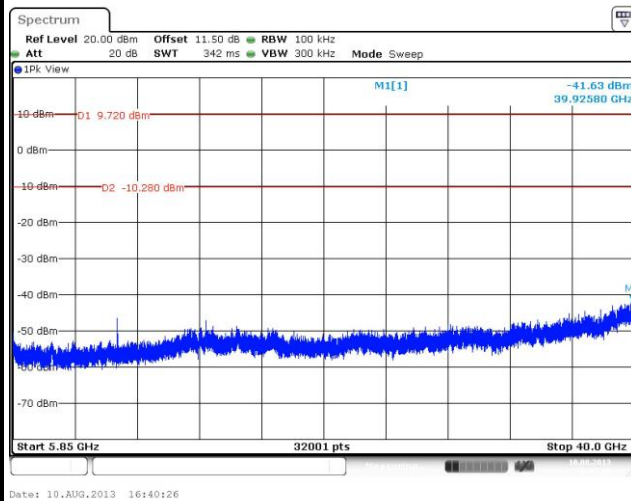
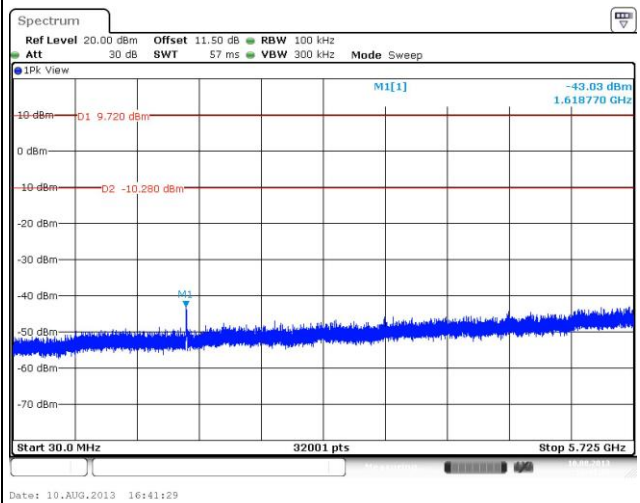
802.11a, Mode 3 (Ant. 3, 6dBi PIFA antenna)



## Tx 5785MHz / 30MHz~40GHz (down 20dBc)

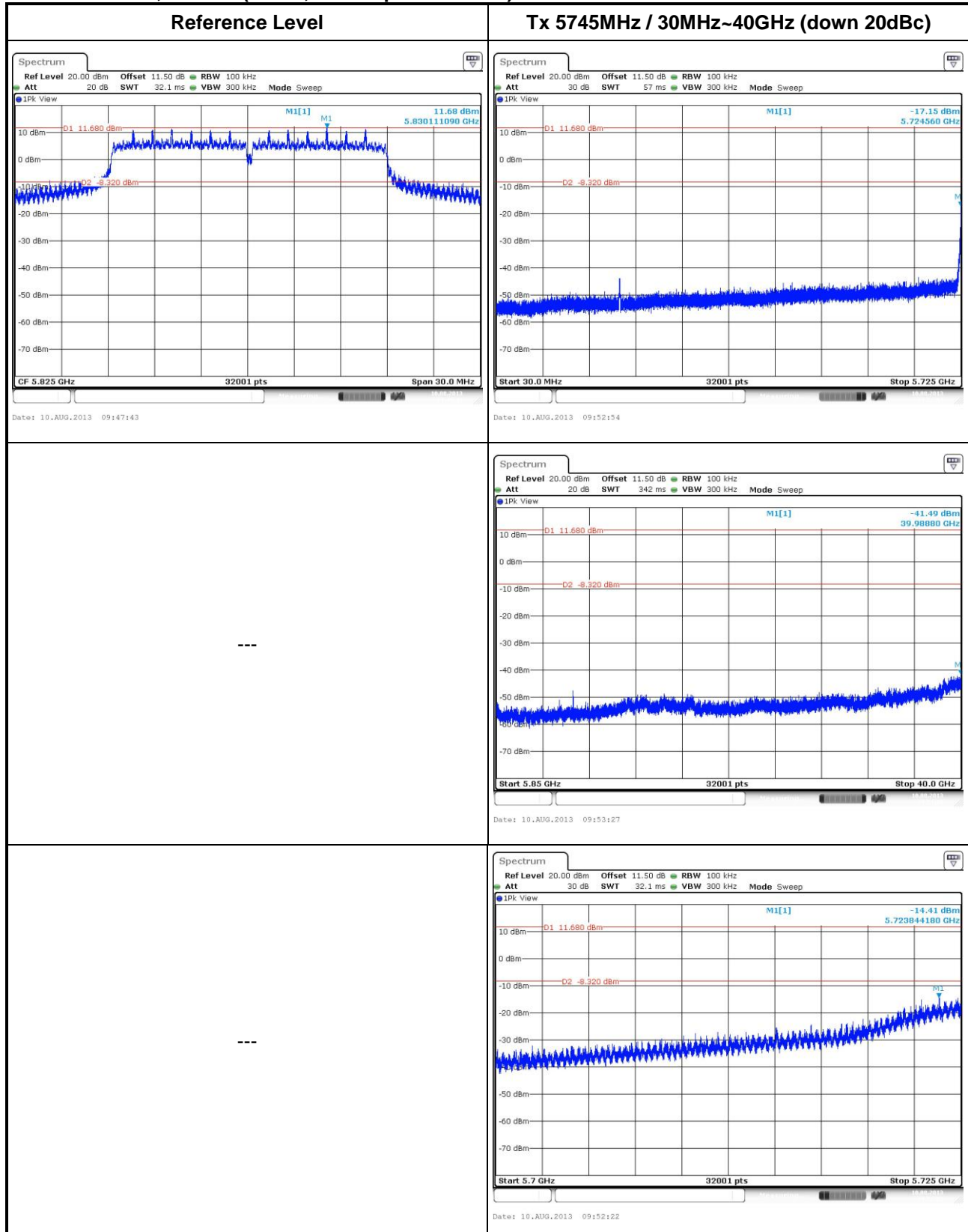


## Tx 5825MHz / 30MHz~40GHz (down 20dBc)

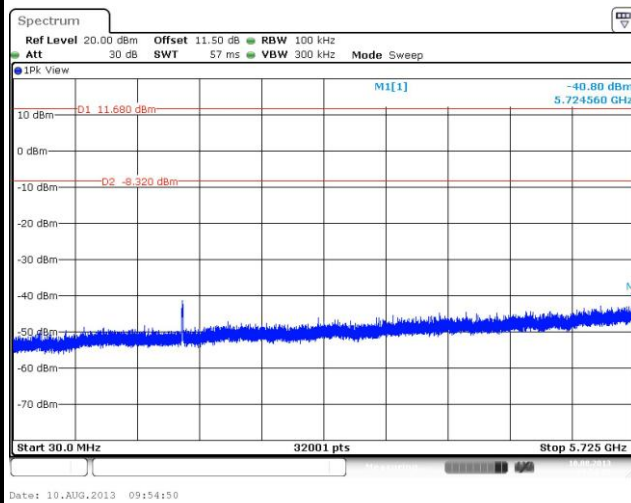




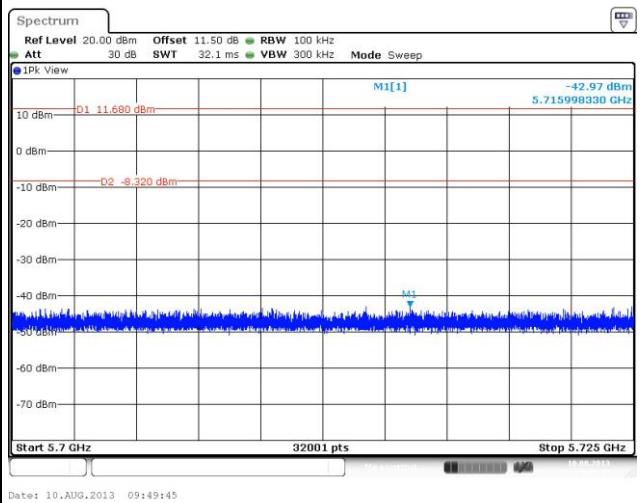
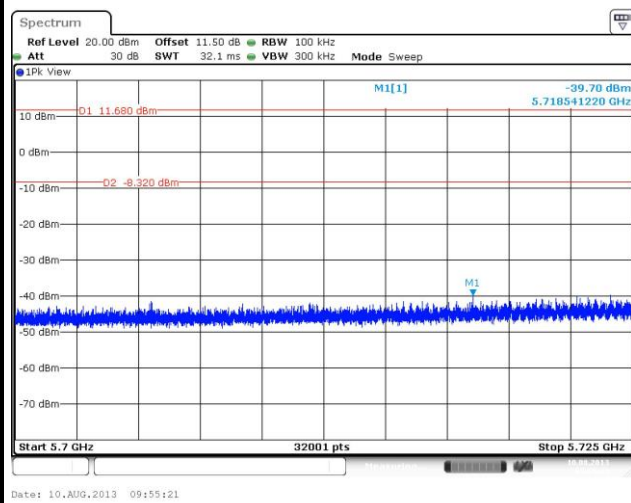
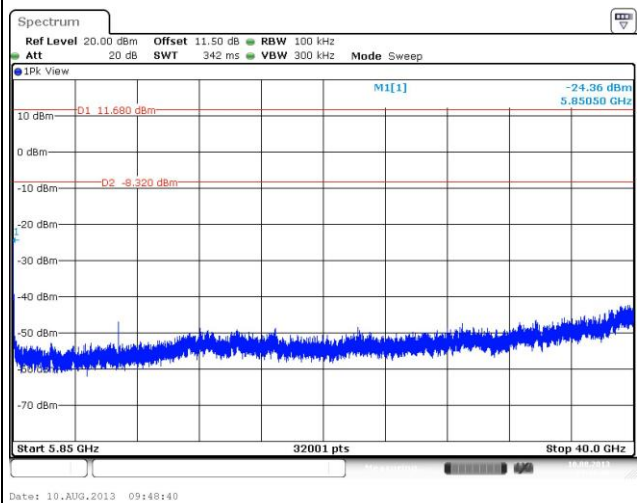
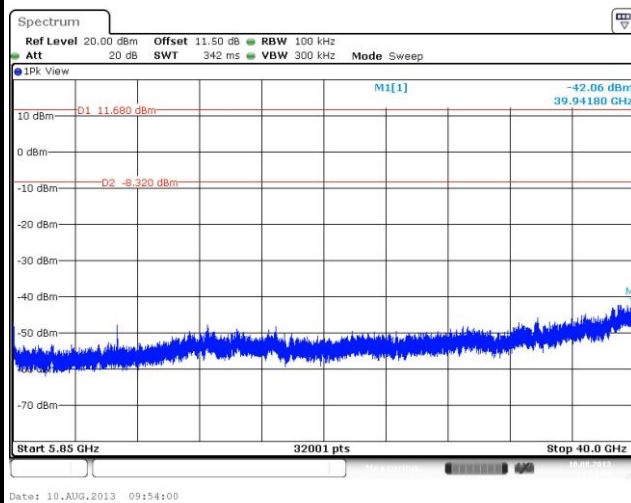
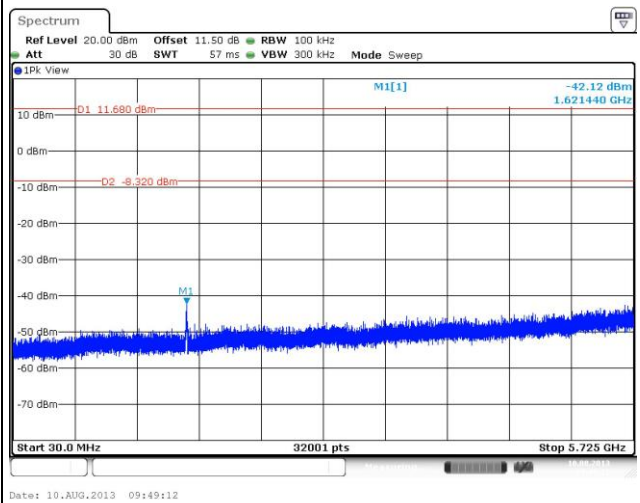
## 802.11ac VHT20, Mode 1 (Ant. 1, 3dBi Dipole antenna)



## Tx 5785MHz / 30MHz~40GHz (down 20dBc)

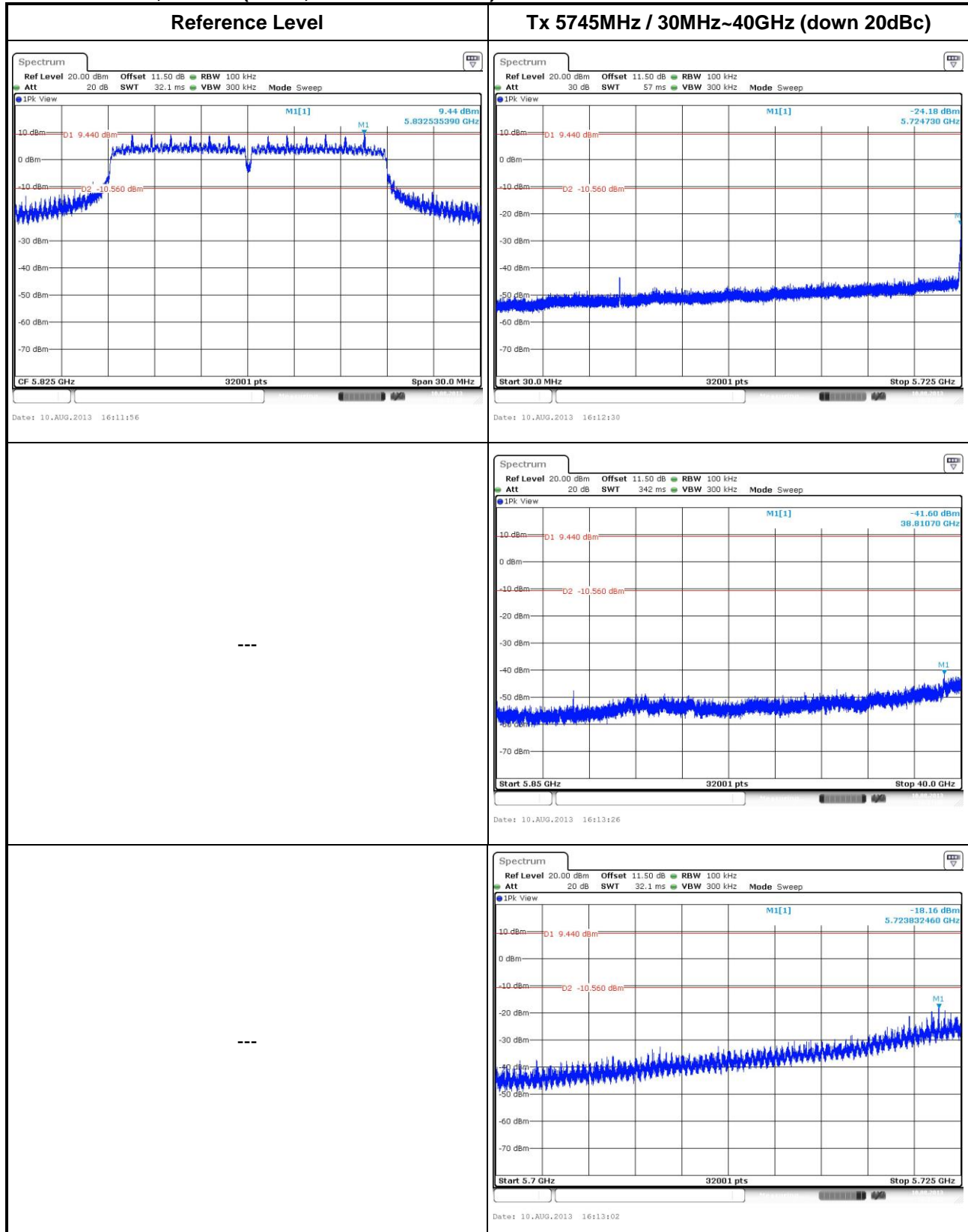


## Tx 5825MHz / 30MHz~40GHz (down 20dBc)

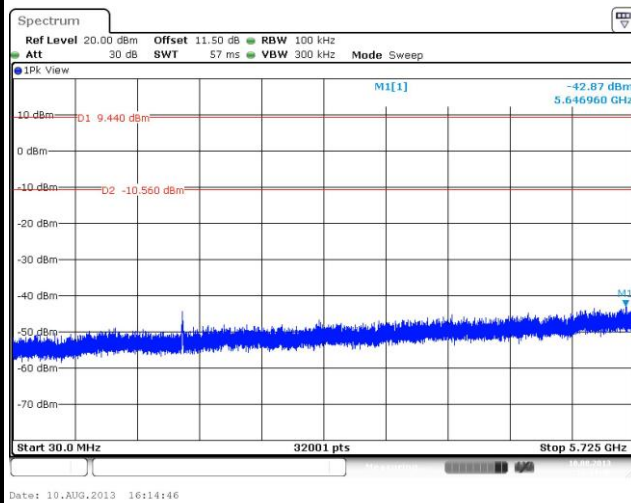




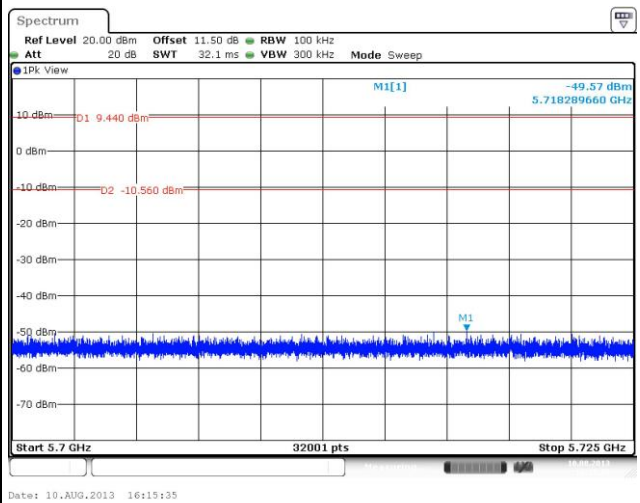
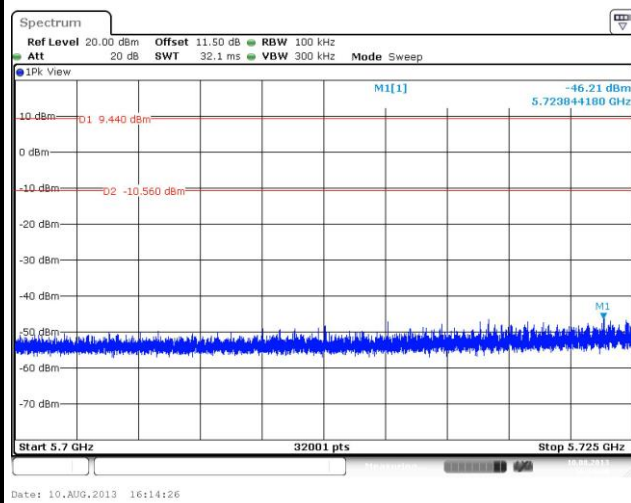
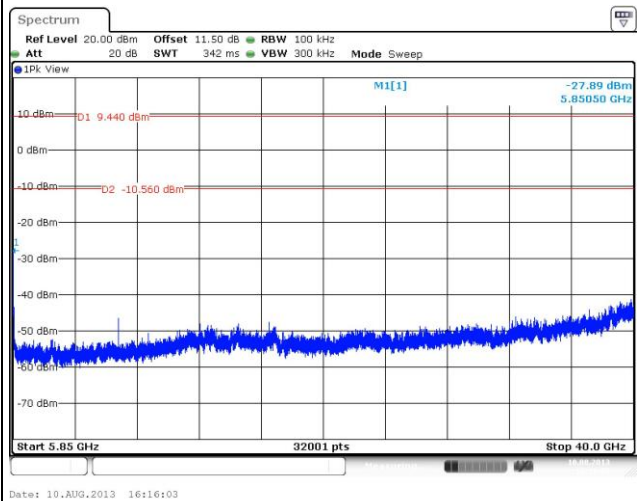
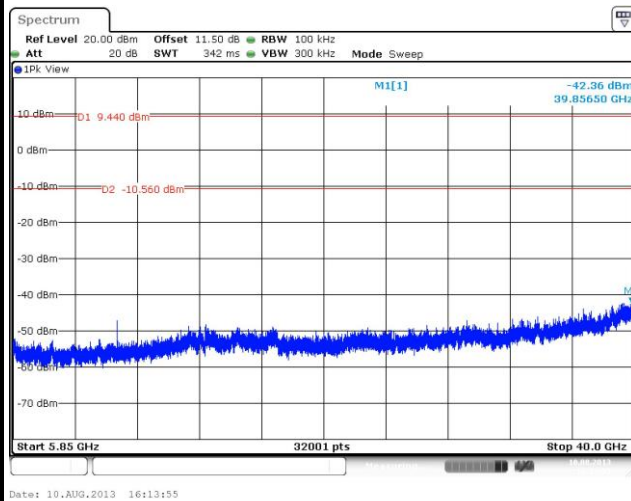
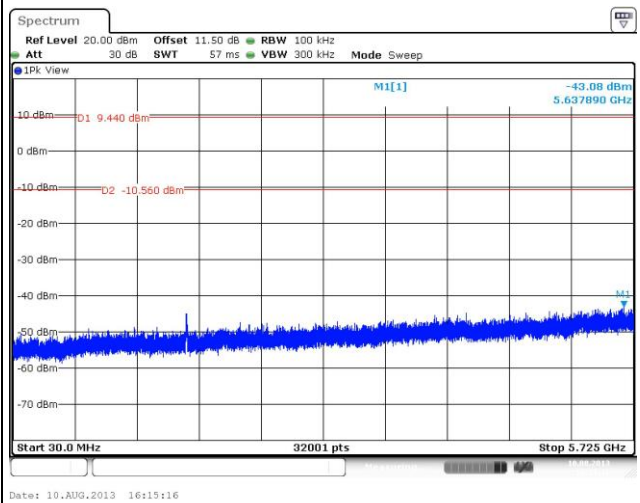
## 802.11ac VHT20, Mode 3 (Ant. 3, 6dBi PIFA antenna)



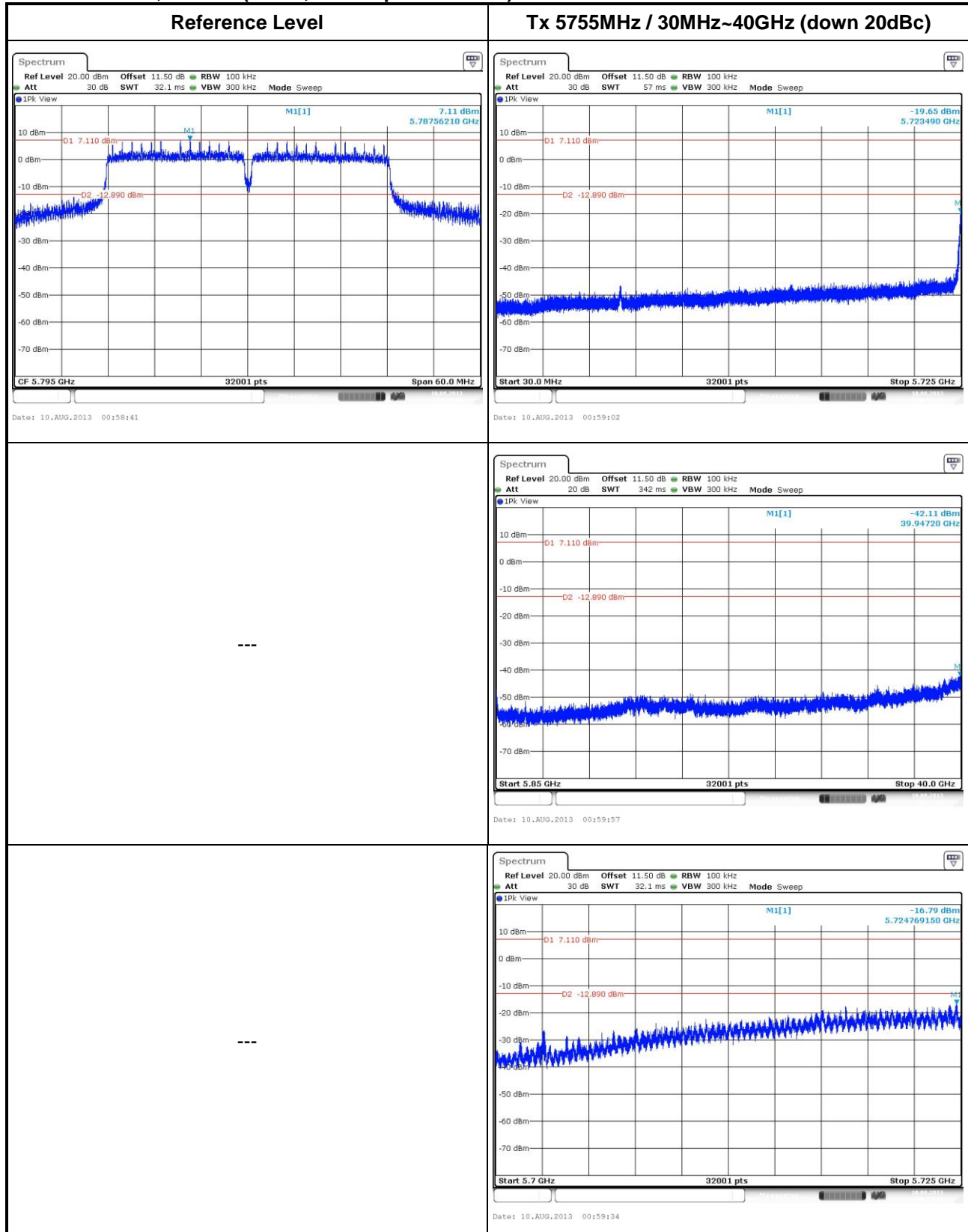
## Tx 5785MHz / 30MHz~40GHz (down 20dBc)



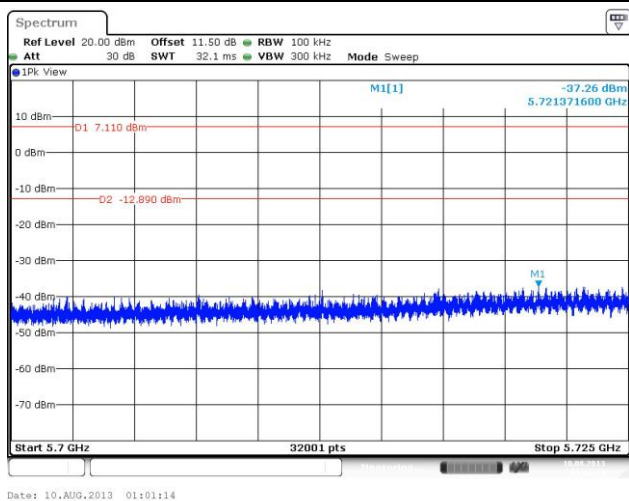
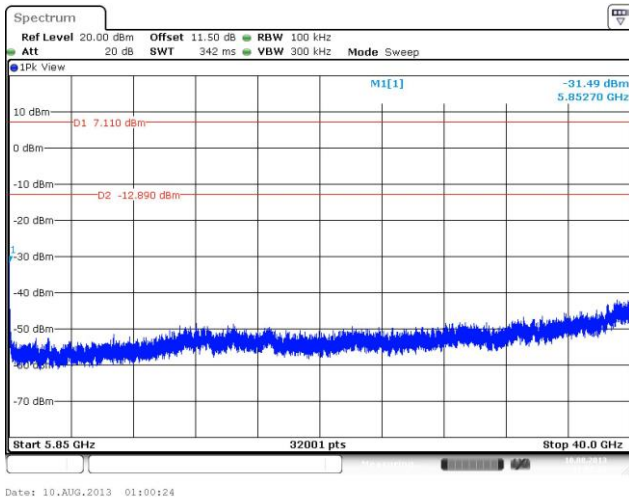
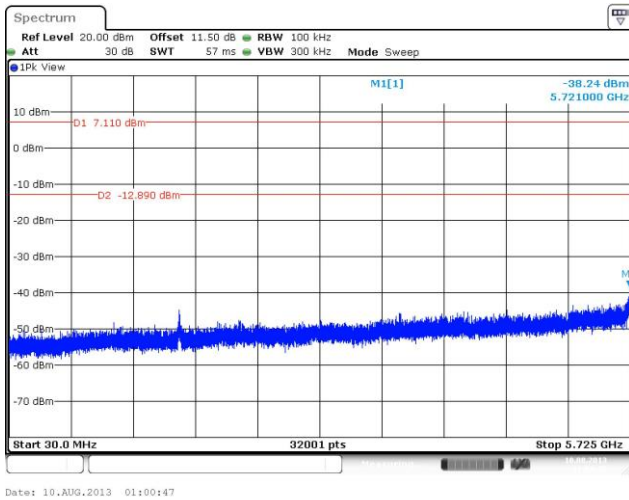
## Tx 5825MHz / 30MHz~40GHz (down 20dBc)



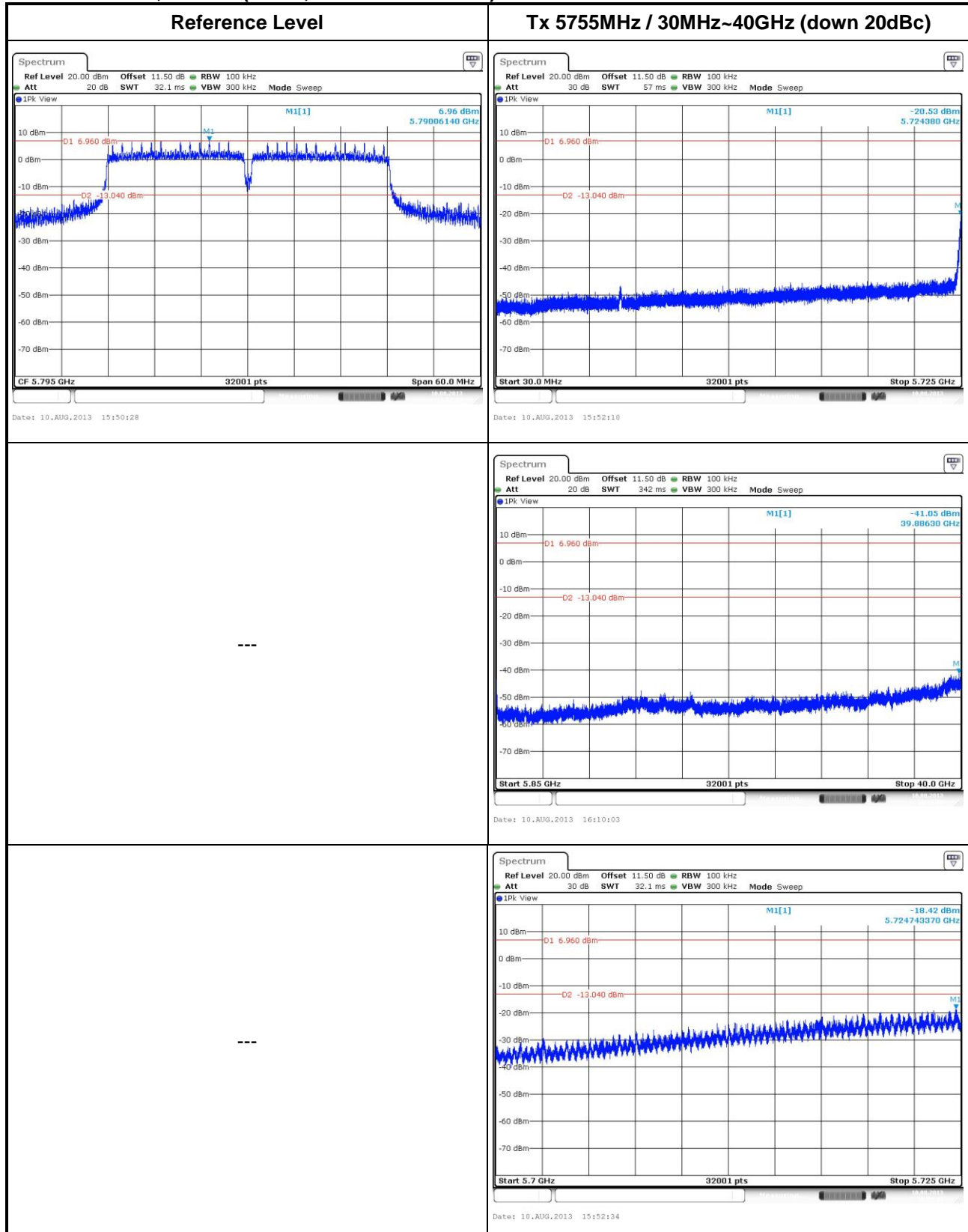
## 802.11ac VHT40, Mode 1 (Ant. 1, 3dBi Dipole antenna)



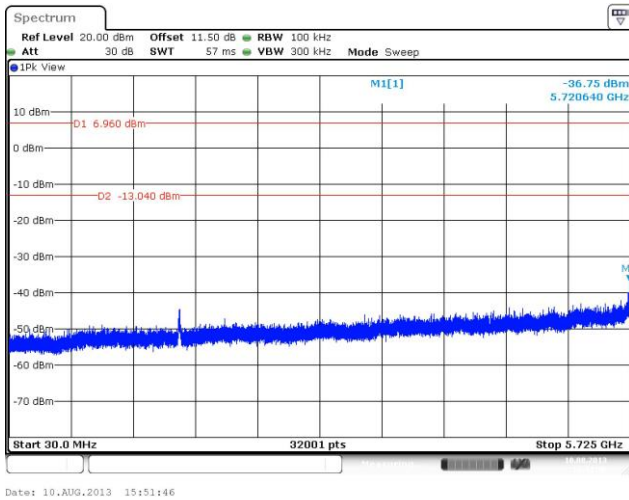
## Tx 5795MHz / 30MHz~40GHz (down 20dBc)



## 802.11ac VHT40, Mode 3 (Ant. 3, 6dBi PIFA antenna)

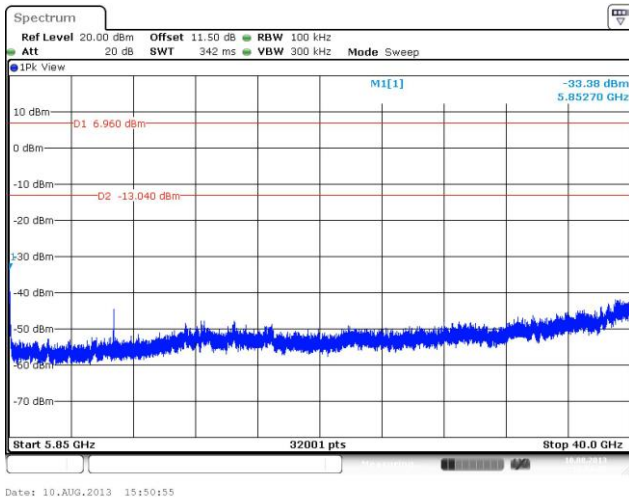


## Tx 5795MHz / 30MHz~40GHz (down 20dBc)

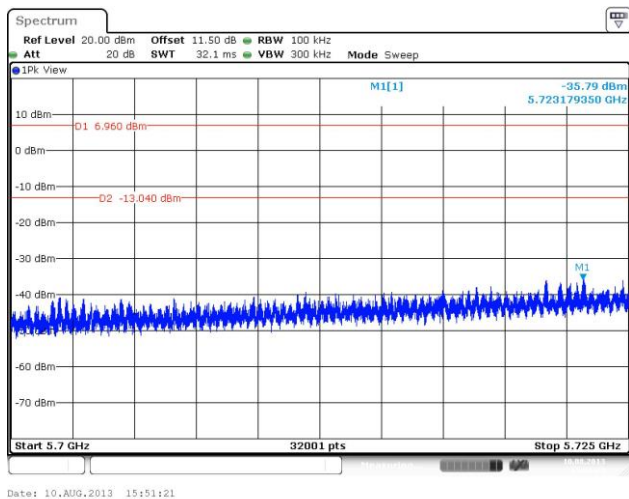


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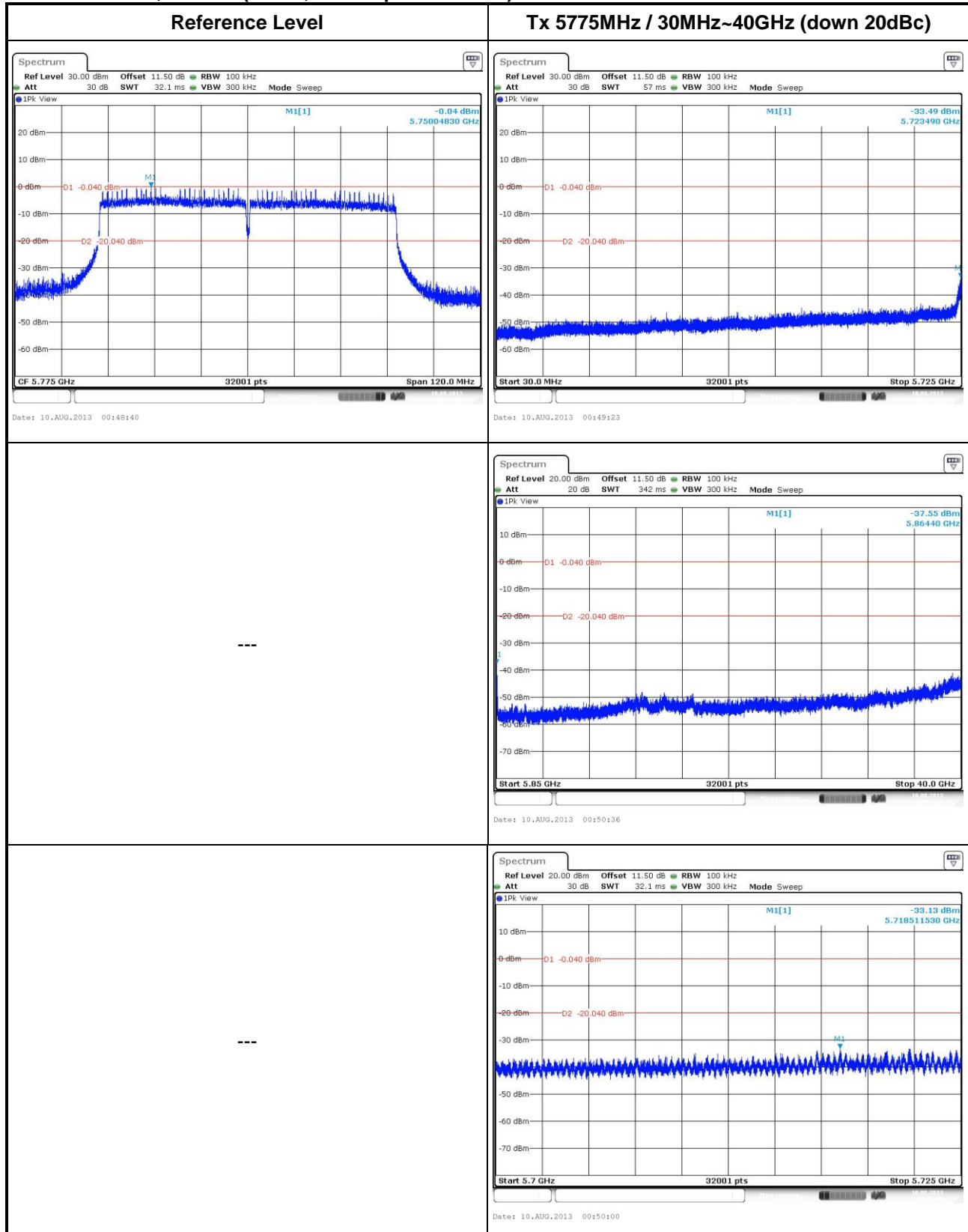
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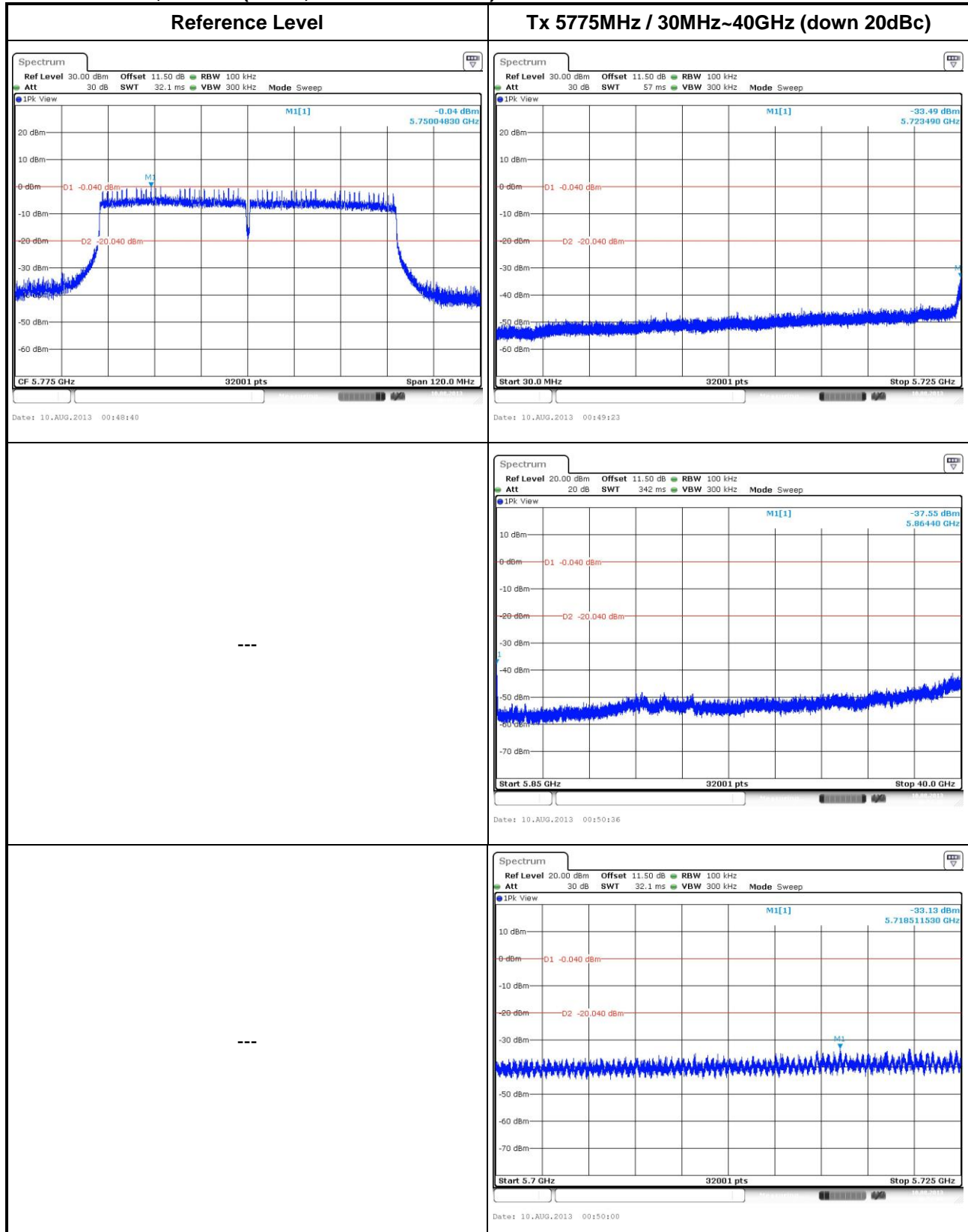
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### 802.11ac VHT80, Mode 1 (Ant. 1, 3dBi Dipole antenna)



## 802.11ac VHT80, Mode 3 (Ant. 3, 6dBi PIFA antenna)





### 3.6 Transmitter Radiated Unwanted Emissions

#### 3.6.1 Transmitter Radiated Unwanted Emissions Limit

Restricted Band Emissions Limit			
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

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

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

Un-restricted Band Emissions Limit	
RF output power procedure	Limit (dB)
Peak output power procedure	20
Average output power procedure	30

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

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

#### 3.6.2 Measuring Instruments

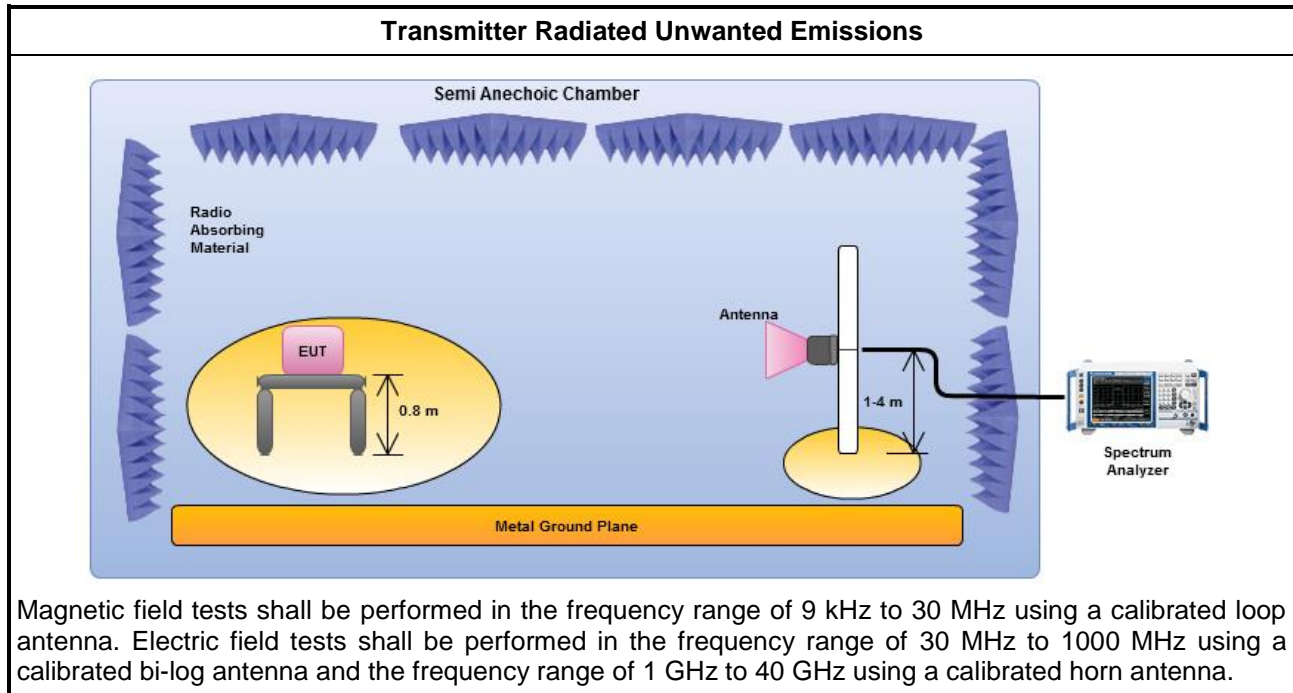
Refer a test equipment and calibration data table in this test report.

### 3.6.3 Test Procedures

Test Method	
<input checked="" type="checkbox"/>	Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).
<input type="checkbox"/>	Measurements in the frequency range 10 GHz - 18GHz are typically made at a closer distance 1m, because the instrumentation noise floor is typically close to the radiated emission limit.
<input type="checkbox"/>	Measurements in the frequency range above 18 GHz - 25GHz are typically made at a closer distance 0.5m, because the instrumentation noise floor is typically close to the radiated emission limit.
<input checked="" type="checkbox"/>	The average emission levels shall be measured in [duty cycle $\geq 98$ or duty factor].
<input checked="" type="checkbox"/>	For the transmitter unwanted emissions shall be measured using following options below:
<input checked="" type="checkbox"/>	Refer as FCC KDB 558074 v03r01, clause 11 for unwanted emissions into non-restricted bands.
<input checked="" type="checkbox"/>	Refer as FCC KDB 558074 v03r01, clause 12 for unwanted emissions into restricted bands.
<input type="checkbox"/>	Refer as FCC KDB 558074 v03r01, clause 12.2.4.1 Option 1 (trace averaging for duty cycle $\geq 98\%$ )
<input type="checkbox"/>	Refer as FCC KDB 558074 v03r01, clause 12.2.4.2 Option 2 (trace averaging + duty factor).
<input checked="" type="checkbox"/>	Refer as FCC KDB 558074 v03r01, clause 12.2.4.3 Option 3 (Reduced VBW $\geq 1/T$ ).
<input type="checkbox"/>	Refer as ANSI C63.10, clause 4.2.3.2.3 (Reduced VBW). VBW $\geq 1/T$ , where T is pulse time.
<input type="checkbox"/>	Refer as ANSI C63.10, clause 4.2.3.2.4 average value of pulsed emissions.
<input checked="" type="checkbox"/>	Refer as FCC KDB 558074 v03r01, 12.2.3 measurement procedure peak limit.
<input type="checkbox"/>	Refer as FCC KDB 558074 v03r01, clause 12.2.2 measurement procedure Quasi-Peak limit.
<input checked="" type="checkbox"/>	For radiated measurement, refer as FCC KDB 558074 v03r01, clause 12.2.6.
<input checked="" type="checkbox"/>	Refer as ANSI C63.10, clause 6.4 for radiated emissions from below 30 MHz.
<input checked="" type="checkbox"/>	Refer as ANSI C63.10, clause 6.5 for radiated emissions from 30 MHz to 1000 MHz.
<input checked="" type="checkbox"/>	Refer as ANSI C63.10, clause 6.6 for radiated emissions from above 1 GHz.

Test Method	
<input type="checkbox"/>	For conducted and cabinet radiation measurement, refer as FCC KDB 558074 v03r01, clause 12.2
<input type="checkbox"/>	For conducted unwanted emissions into non-restricted bands (relative emission limits). Devices with multiple transmit chains: Refer as FCC KDB 662911, when testing out-of-band and spurious emissions against relative emission limits, tests may be performed on each output individually without summing or adding 10 log(N) if the measurements are made relative to the in-band emissions on the individual outputs.
<input type="checkbox"/>	For conducted unwanted emissions into restricted bands (absolute emission limits). Devices with multiple transmit chains using options given below: (1) Measure and sum the spectra across the outputs or (2) Measure and add 10 log(N) dB

### 3.6.4 Test Setup

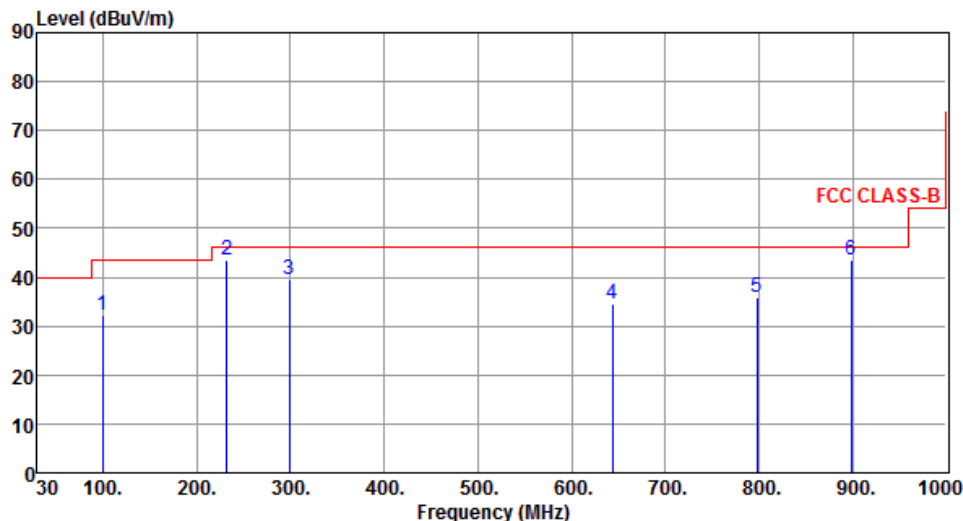


Note: The test distance is 3m.

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

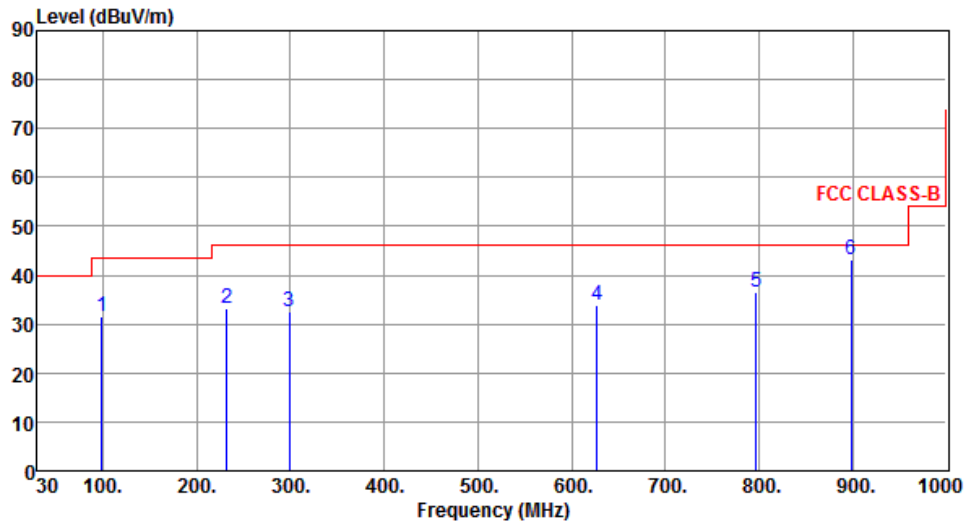
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

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

Transmitter Radiated Unwanted Emissions (Below 1GHz)																																																																															
Operating Mode	1			Polarization			V																																																																								
Operating Function	DC Power & Radio link (WLAN), Ant 1																																																																														
<div><div><div>Level (dBUV/m)</div><div></div></div><table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBUV/m</th><th>Limit dBUV/m</th><th>Margin dB</th><th>SA reading dBUV</th><th>Factor dB</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>99.84</td><td>32.13</td><td>43.50</td><td>-11.37</td><td>53.77</td><td>-21.64</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>2</td><td>231.76</td><td>43.47</td><td>46.00</td><td>-2.53</td><td>62.19</td><td>-18.72</td><td>QP</td><td>---</td><td>---</td></tr><tr><td>3</td><td>298.69</td><td>39.49</td><td>46.00</td><td>-6.51</td><td>55.75</td><td>-16.26</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>4</td><td>644.01</td><td>34.56</td><td>46.00</td><td>-11.44</td><td>43.68</td><td>-9.12</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>5</td><td>798.24</td><td>35.88</td><td>46.00</td><td>-10.12</td><td>42.65</td><td>-6.77</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>6</td><td>898.15</td><td>43.59</td><td>46.00</td><td>-2.41</td><td>49.13</td><td>-5.54</td><td>QP</td><td>---</td><td>---</td></tr></tbody></table></div>											Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg	1	99.84	32.13	43.50	-11.37	53.77	-21.64	Peak	---	---	2	231.76	43.47	46.00	-2.53	62.19	-18.72	QP	---	---	3	298.69	39.49	46.00	-6.51	55.75	-16.26	Peak	---	---	4	644.01	34.56	46.00	-11.44	43.68	-9.12	Peak	---	---	5	798.24	35.88	46.00	-10.12	42.65	-6.77	Peak	---	---	6	898.15	43.59	46.00	-2.41	49.13	-5.54	QP	---	---
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg																																																																						
1	99.84	32.13	43.50	-11.37	53.77	-21.64	Peak	---	---																																																																						
2	231.76	43.47	46.00	-2.53	62.19	-18.72	QP	---	---																																																																						
3	298.69	39.49	46.00	-6.51	55.75	-16.26	Peak	---	---																																																																						
4	644.01	34.56	46.00	-11.44	43.68	-9.12	Peak	---	---																																																																						
5	798.24	35.88	46.00	-10.12	42.65	-6.77	Peak	---	---																																																																						
6	898.15	43.59	46.00	-2.41	49.13	-5.54	QP	---	---																																																																						
<div>Note 1: "&gt;20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit. Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.) Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)</div>																																																																															

## Transmitter Radiated Unwanted Emissions (Below 1GHz)

Operating Mode	1	Polarization	H
Operating Function	DC Power & Radio link (WLAN), Ant 1		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	98.87	31.67	43.50	-11.83	53.44	-21.77	Peak	---	---
2	231.76	33.20	46.00	-12.80	51.92	-18.72	Peak	---	---
3	298.69	32.63	46.00	-13.37	48.89	-16.26	Peak	---	---
4	627.52	33.96	46.00	-12.04	43.31	-9.35	Peak	---	---
5	797.27	36.63	46.00	-9.37	43.42	-6.79	Peak	---	---
6	898.15	43.19	46.00	-2.81	48.73	-5.54	QP	---	---

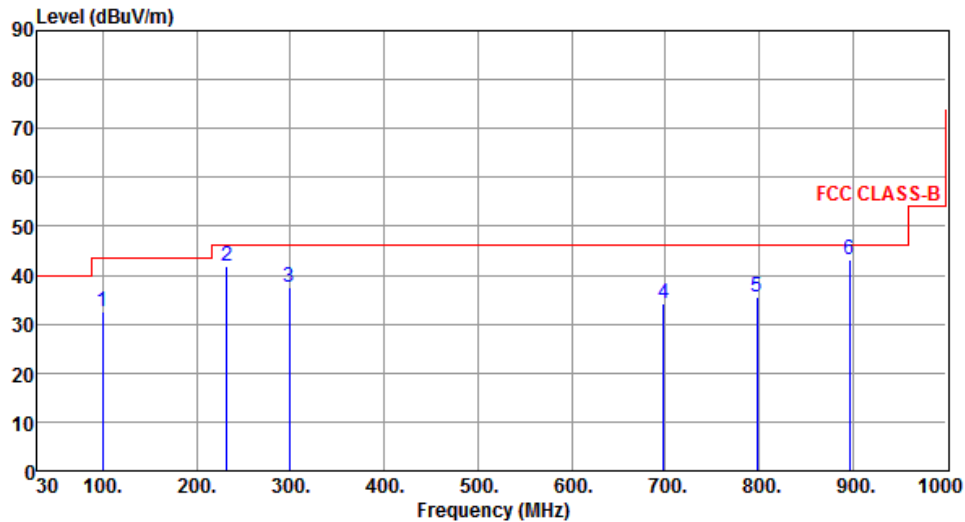
Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

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	2	Polarization	V
Operating Function	DC Power & Radio link (WLAN), Ant 2		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	99.84	32.41	43.50	-11.09	54.05	-21.64	Peak	---	---
2	231.76	41.89	46.00	-4.11	60.61	-18.72	Peak	---	---
3	298.69	37.47	46.00	-8.53	53.73	-16.26	Peak	---	---
4	698.33	34.31	46.00	-11.69	42.58	-8.27	Peak	---	---
5	798.24	35.65	46.00	-10.35	42.42	-6.77	Peak	---	---
6	896.21	43.22	46.00	-2.78	48.78	-5.56	QP	---	---

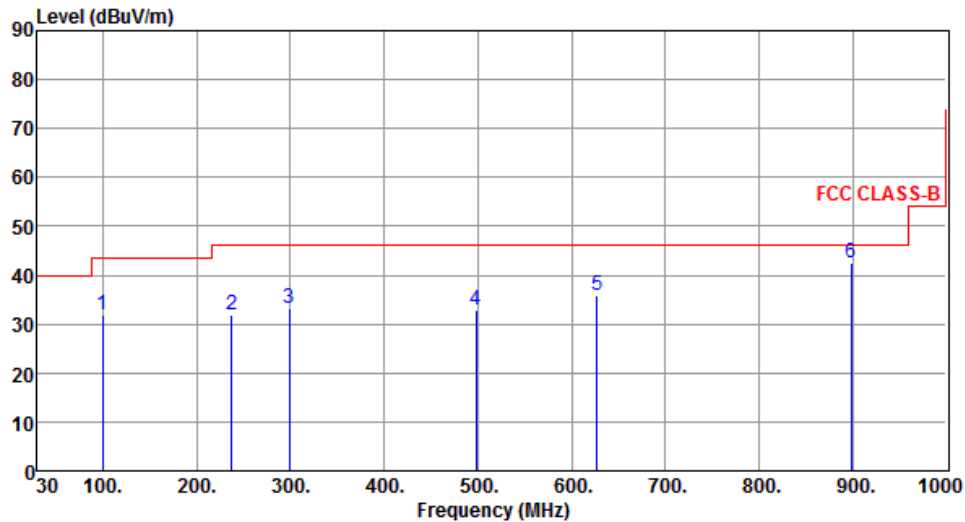
Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

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	2	Polarization	H
Operating Function	DC Power & Radio link (WLAN), Ant 2		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	99.84	31.76	43.50	-11.74	53.40	-21.64	Peak	---	---
2	237.58	31.86	46.00	-14.14	50.15	-18.29	Peak	---	---
3	298.69	33.16	46.00	-12.84	49.42	-16.26	Peak	---	---
4	498.51	33.03	46.00	-12.97	44.73	-11.70	Peak	---	---
5	627.52	35.95	46.00	-10.05	45.30	-9.35	Peak	---	---
6	898.15	42.35	46.00	-3.65	47.89	-5.54	Peak	---	---

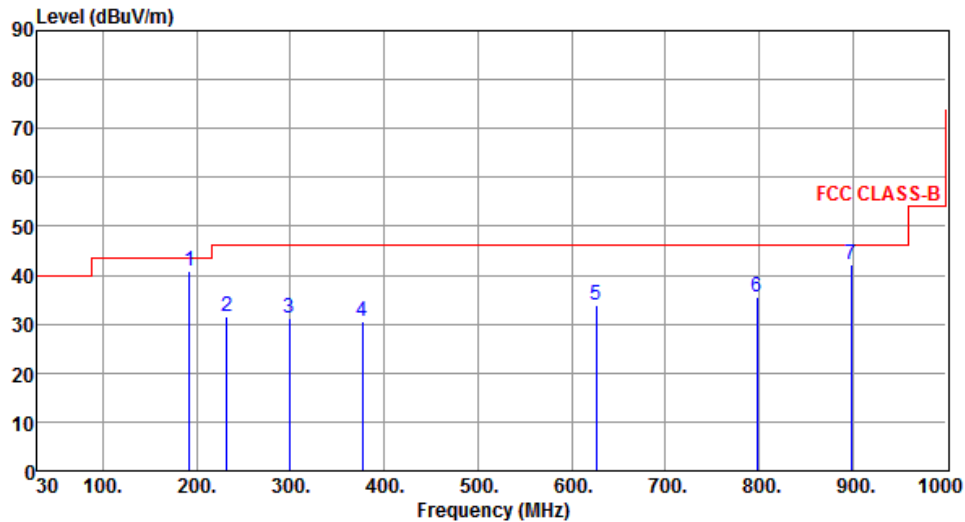
Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.

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

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

## Transmitter Radiated Unwanted Emissions (Below 1GHz)

Operating Mode	3	Polarization	V
Operating Function	DC Power & Radio link (WLAN), Ant 3		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	191.99	40.85	43.50	-2.65	59.98	-19.13	QP	---	---
2	231.76	31.51	46.00	-14.49	50.23	-18.72	Peak	---	---
3	298.69	31.15	46.00	-14.85	47.41	-16.26	Peak	---	---
4	377.26	30.60	46.00	-15.40	44.83	-14.23	Peak	---	---
5	626.55	33.92	46.00	-12.08	43.28	-9.36	Peak	---	---
6	798.24	35.61	46.00	-10.39	42.38	-6.77	Peak	---	---
7	898.15	42.11	46.00	-3.89	47.65	-5.54	Peak	---	---

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

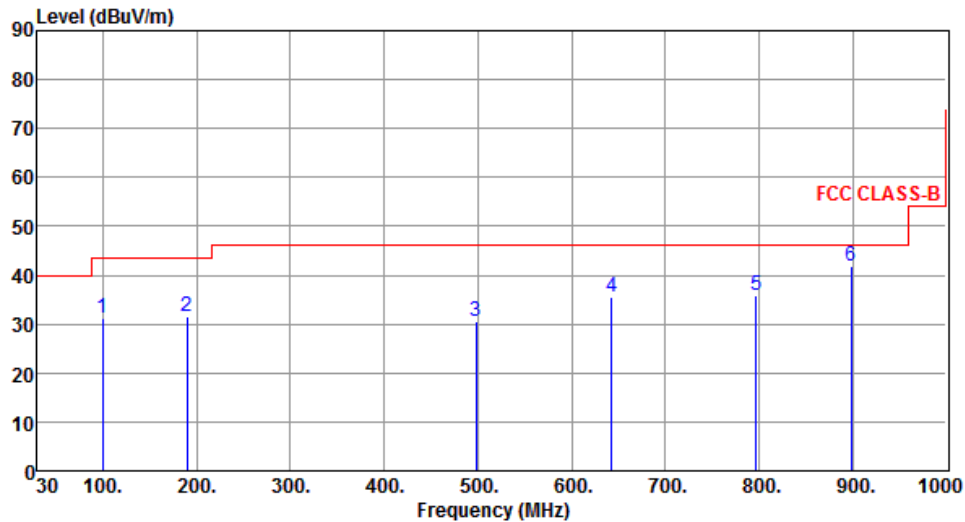
Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)

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



## Transmitter Radiated Unwanted Emissions (Below 1GHz)

Operating Mode	3	Polarization	H
Operating Function	DC Power & Radio link (WLAN), Ant 3		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	99.84	31.09	43.50	-12.41	52.73	-21.64	Peak	---	---
2	190.05	31.71	43.50	-11.79	50.80	-19.09	Peak	---	---
3	498.51	30.71	46.00	-15.29	42.41	-11.70	Peak	---	---
4	643.04	35.67	46.00	-10.33	44.80	-9.13	Peak	---	---
5	797.27	35.88	46.00	-10.12	42.67	-6.79	Peak	---	---
6	898.15	41.85	46.00	-4.15	47.39	-5.54	Peak	---	---

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

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

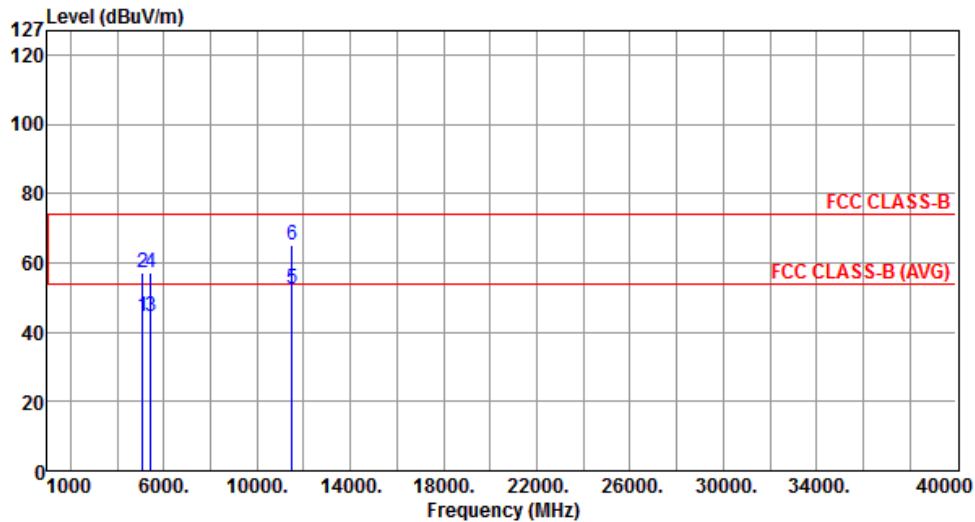
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)									
Modulation Mode	11a				Test Freq. (MHz)	5745			
Operating Mode	1				Polarization	V			
<div><div><div>Level (dBUV/m)</div><div><div><div><div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div>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## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a	Test Freq. (MHz)	5745
Operating Mode	1	Polarization	H



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	44.34	54.00	-9.66	39.51	4.83	Average	---	---
2	5097.00	57.35	74.00	-16.65	52.52	4.83	Peak	---	---
3	5427.00	44.35	54.00	-9.65	39.21	5.14	Average	---	---
4	5427.00	56.95	74.00	-17.05	51.81	5.14	Peak	---	---
5	11490.00	52.61	54.00	-1.39	37.64	14.97	Average	---	---
6	11490.00	65.11	74.00	-8.89	50.14	14.97	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.)

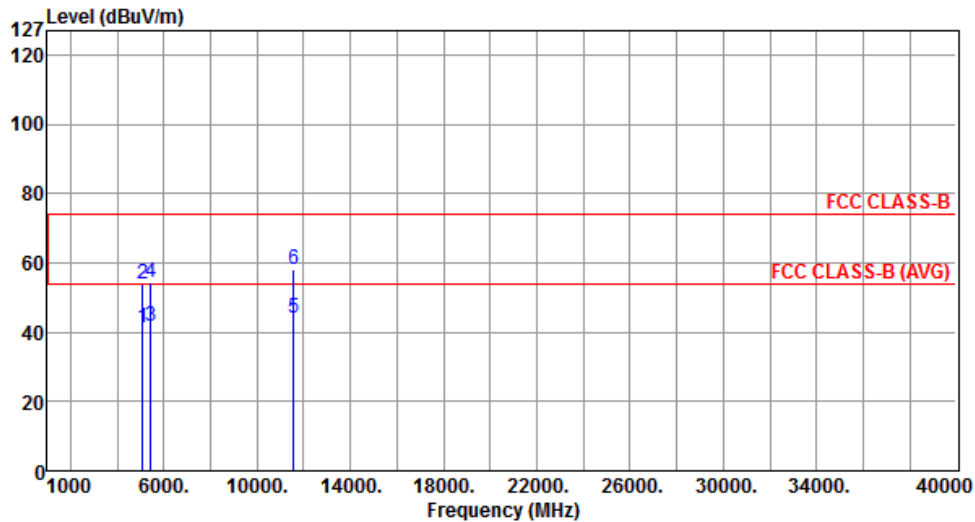
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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.

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

<b>Modulation Mode</b>	11a	<b>Test Freq. (MHz)</b>	5785
<b>Operating Mode</b>	1	<b>Polarization</b>	V



	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	41.38	54.00	-12.62	36.55	4.83	Average	---	---
2	5097.00	53.85	74.00	-20.15	49.02	4.83	Peak	---	---
3	5427.00	41.49	54.00	-12.51	36.35	5.14	Average	---	---
4	5427.00	54.17	74.00	-19.83	49.03	5.14	Peak	---	---
5	11570.00	43.98	54.00	-10.02	29.11	14.87	Average	---	---
6	11570.00	58.05	74.00	-15.95	43.18	14.87	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.)

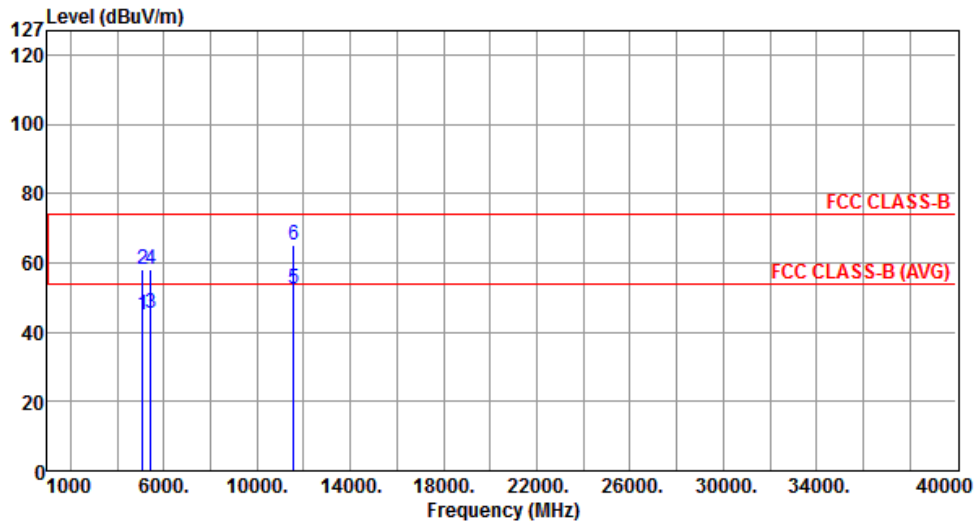
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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.

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a	Test Freq. (MHz)	5785
Operating Mode	1	Polarization	H



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	44.91	54.00	-9.09	40.08	4.83	Average	---	---
2	5097.00	57.89	74.00	-16.11	53.06	4.83	Peak	---	---
3	5427.00	45.37	54.00	-8.63	40.23	5.14	Average	---	---
4	5427.00	58.09	74.00	-15.91	52.95	5.14	Peak	---	---
5	11570.00	52.36	54.00	-1.64	37.49	14.87	Average	---	---
6	11570.00	65.31	74.00	-8.69	50.44	14.87	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.)

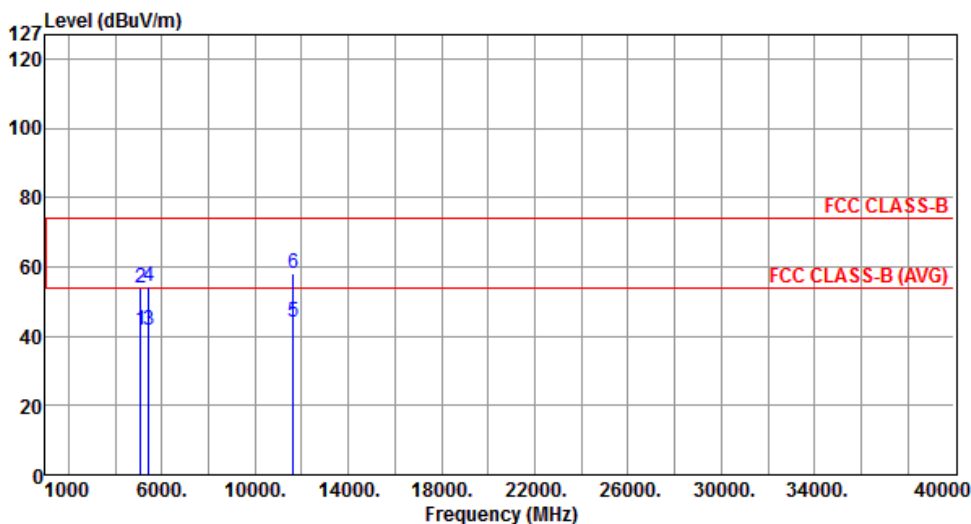
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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.

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a	Test Freq. (MHz)	5825
Operating Mode	1	Polarization	V



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	41.66	54.00	-12.34	36.83	4.83	Average	---	---
2	5097.00	53.91	74.00	-20.09	49.08	4.83	Peak	---	---
3	5427.00	41.58	54.00	-12.42	36.44	5.14	Average	---	---
4	5427.00	54.26	74.00	-19.74	49.12	5.14	Peak	---	---
5	11650.00	44.10	54.00	-9.90	29.34	14.76	Average	---	---
6	11650.00	58.09	74.00	-15.91	43.33	14.76	Peak	---	---

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

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

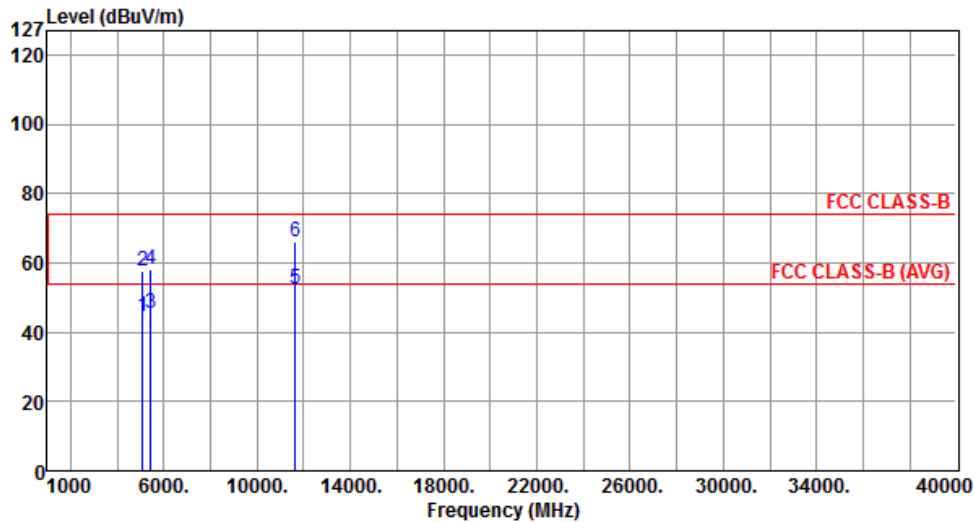
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

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

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a	Test Freq. (MHz)	5825
Operating Mode	1	Polarization	H



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	44.73	54.00	-9.27	39.90	4.83	Average	---	---
2	5097.00	57.81	74.00	-16.19	52.98	4.83	Peak	---	---
3	5427.00	45.44	54.00	-8.56	40.30	5.14	Average	---	---
4	5427.00	58.22	74.00	-15.78	53.08	5.14	Peak	---	---
5	11650.00	52.40	54.00	-1.60	37.64	14.76	Average	---	---
6	11650.00	66.10	74.00	-7.90	51.34	14.76	Peak	---	---

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

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

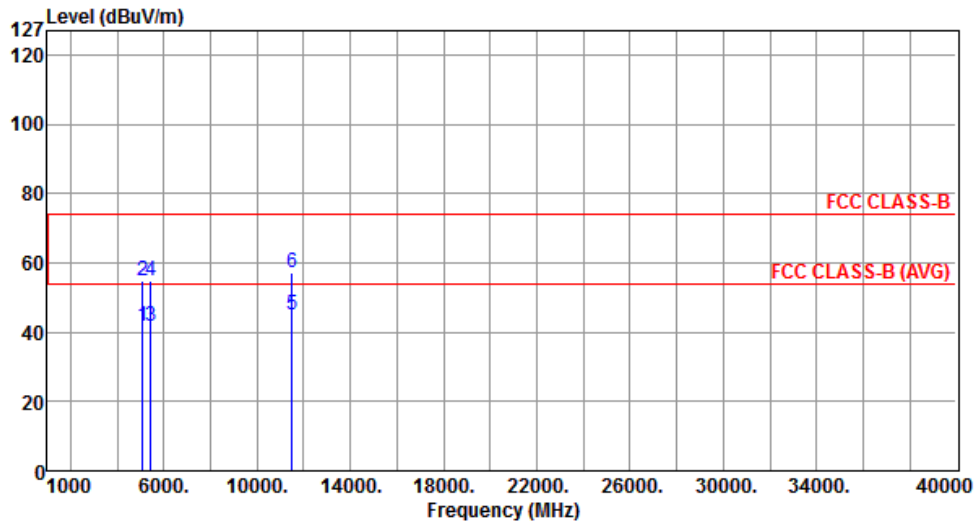
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

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

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

<b>Modulation Mode</b>	11a	<b>Test Freq. (MHz)</b>	5745
<b>Operating Mode</b>	2	<b>Polarization</b>	V



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	41.58	54.00	-12.42	36.75	4.83	Average	---	---
2	5097.00	54.98	74.00	-19.02	50.15	4.83	Peak	---	---
3	5427.00	41.63	54.00	-12.37	36.49	5.14	Average	---	---
4	5427.00	54.82	74.00	-19.18	49.68	5.14	Peak	---	---
5	11490.00	44.89	54.00	-9.11	29.92	14.97	Average	---	---
6	11490.00	57.37	74.00	-16.63	42.40	14.97	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)

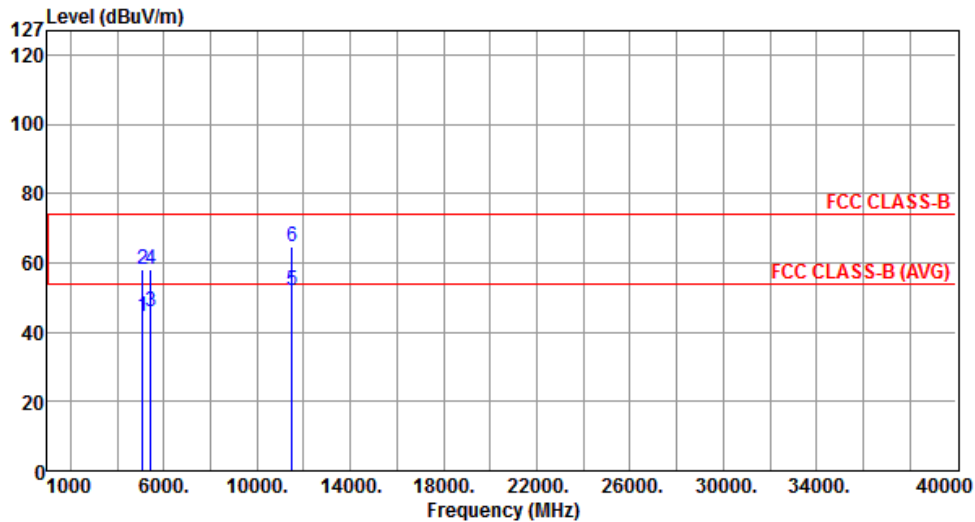
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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



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

<b>Modulation Mode</b>	11a	<b>Test Freq. (MHz)</b>	5745
<b>Operating Mode</b>	2	<b>Polarization</b>	H



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	44.39	54.00	-9.61	39.56	4.83	Average	---	---
2	5097.00	57.96	74.00	-16.04	53.13	4.83	Peak	---	---
3	5427.00	45.92	54.00	-8.08	40.78	5.14	Average	---	---
4	5427.00	58.15	74.00	-15.85	53.01	5.14	Peak	---	---
5	11490.00	52.24	54.00	-1.76	37.27	14.97	Average	---	---
6	11490.00	64.67	74.00	-9.33	49.70	14.97	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.)

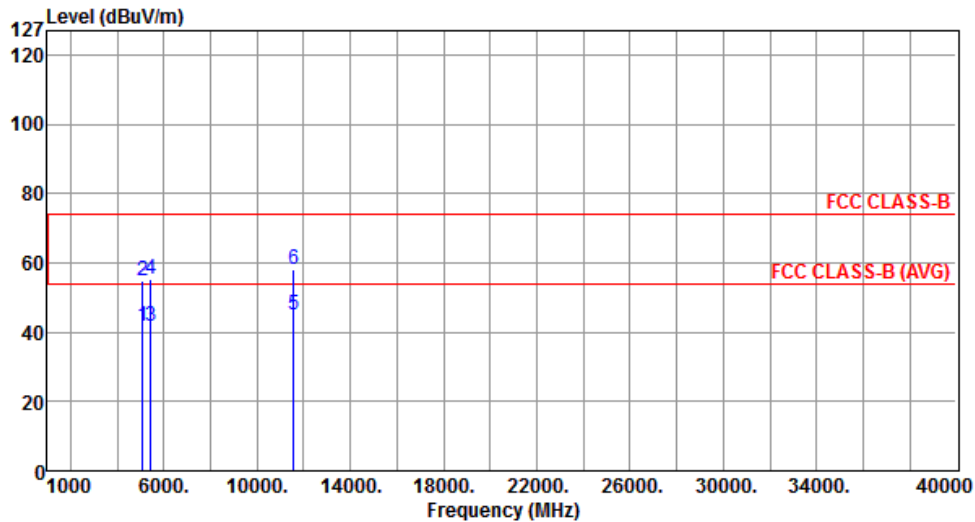
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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.

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a	Test Freq. (MHz)	5785
Operating Mode	2	Polarization	V



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	41.64	54.00	-12.36	36.81	4.83	Average	---	---
2	5097.00	54.80	74.00	-19.20	49.97	4.83	Peak	---	---
3	5427.00	41.78	54.00	-12.22	36.64	5.14	Average	---	---
4	5427.00	55.26	74.00	-18.74	50.12	5.14	Peak	---	---
5	11570.00	44.97	54.00	-9.03	30.10	14.87	Average	---	---
6	11570.00	57.96	74.00	-16.04	43.09	14.87	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.)

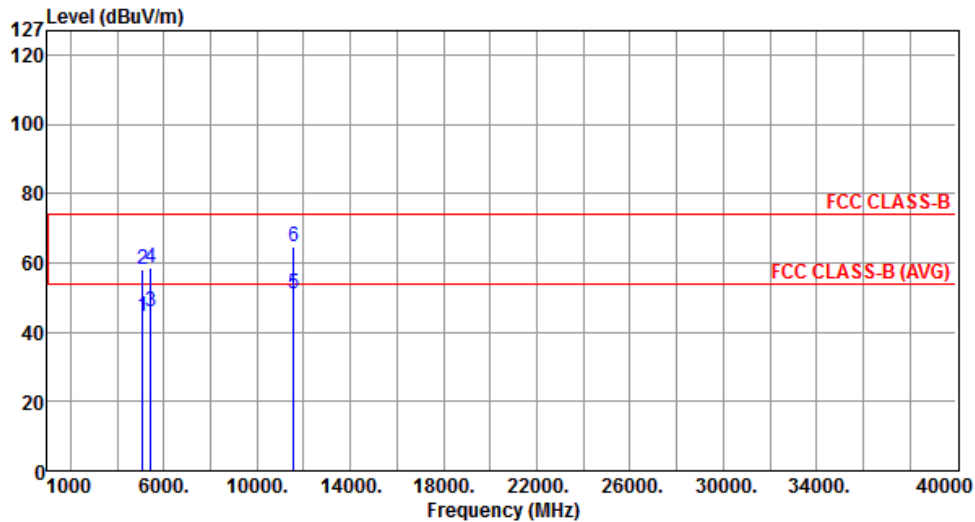
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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.

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a	Test Freq. (MHz)	5785
Operating Mode	2	Polarization	H



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	44.40	54.00	-9.60	39.57	4.83	Average	---	---
2	5097.00	57.96	74.00	-16.04	53.13	4.83	Peak	---	---
3	5427.00	46.06	54.00	-7.94	40.92	5.14	Average	---	---
4	5427.00	58.47	74.00	-15.53	53.33	5.14	Peak	---	---
5	11570.00	51.28	54.00	-2.72	36.41	14.87	Average	---	---
6	11570.00	64.53	74.00	-9.47	49.66	14.87	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.)

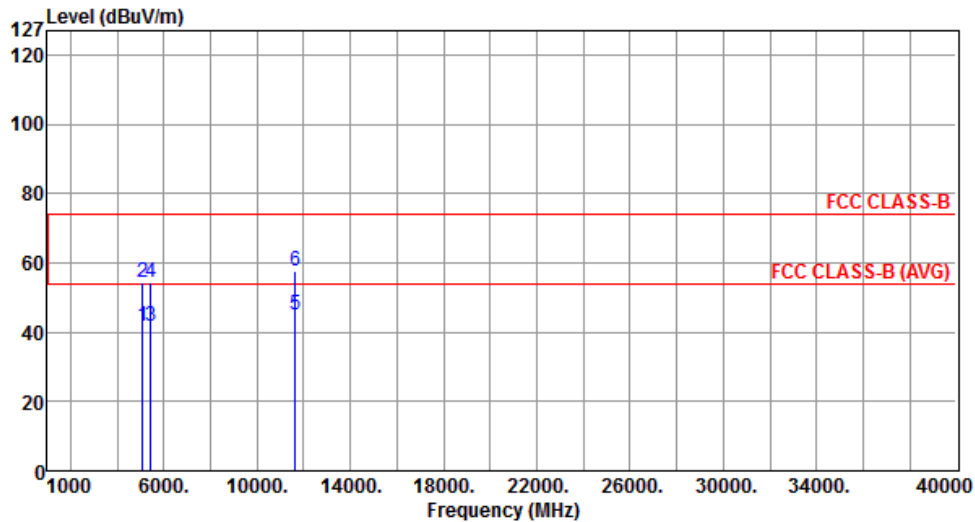
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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.

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a	Test Freq. (MHz)	5825
Operating Mode	2	Polarization	V



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	41.82	54.00	-12.18	36.99	4.83	Average	---	---
2	5097.00	54.54	74.00	-19.46	49.71	4.83	Peak	---	---
3	5427.00	41.65	54.00	-12.35	36.51	5.14	Average	---	---
4	5427.00	54.40	74.00	-19.60	49.26	5.14	Peak	---	---
5	11650.00	44.89	54.00	-9.11	30.13	14.76	Average	---	---
6	11650.00	57.62	74.00	-16.38	42.86	14.76	Peak	---	---

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

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

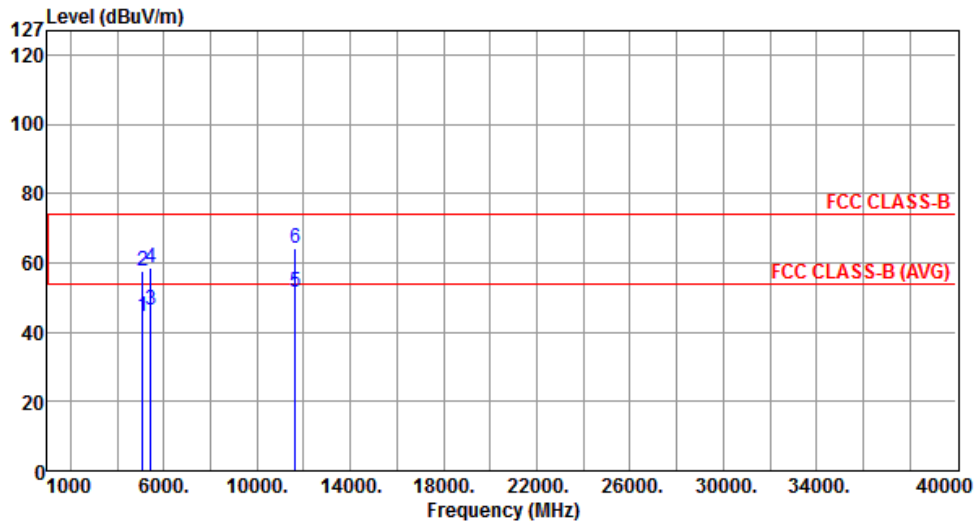
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

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

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a	Test Freq. (MHz)	5825
Operating Mode	2	Polarization	H



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	44.57	54.00	-9.43	39.74	4.83	Average	---	---
2	5097.00	57.62	74.00	-16.38	52.79	4.83	Peak	---	---
3	5427.00	46.23	54.00	-7.77	41.09	5.14	Average	---	---
4	5427.00	58.55	74.00	-15.45	53.41	5.14	Peak	---	---
5	11650.00	51.50	54.00	-2.50	36.74	14.76	Average	---	---
6	11650.00	64.23	74.00	-9.77	49.47	14.76	Peak	---	---

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

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

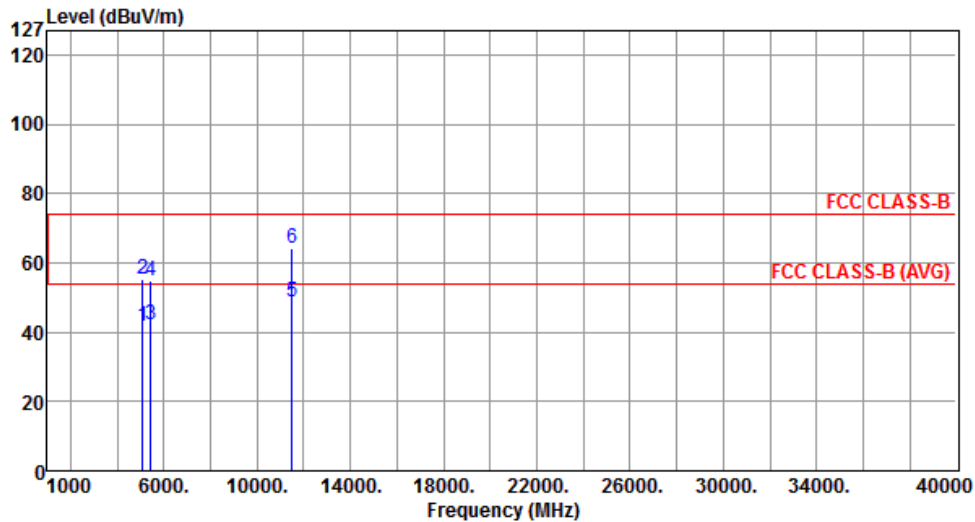
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

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

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

<b>Modulation Mode</b>	11a	<b>Test Freq. (MHz)</b>	5745
<b>Operating Mode</b>	3	<b>Polarization</b>	V



	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	41.76	54.00	-12.24	36.93	4.83	Average	---	---
2	5097.00	55.23	74.00	-18.77	50.40	4.83	Peak	---	---
3	5427.00	42.24	54.00	-11.76	37.10	5.14	Average	---	---
4	5427.00	54.91	74.00	-19.09	49.77	5.14	Peak	---	---
5	11490.00	48.60	54.00	-5.40	33.63	14.97	Average	---	---
6	11490.00	64.04	74.00	-9.96	49.07	14.97	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.)

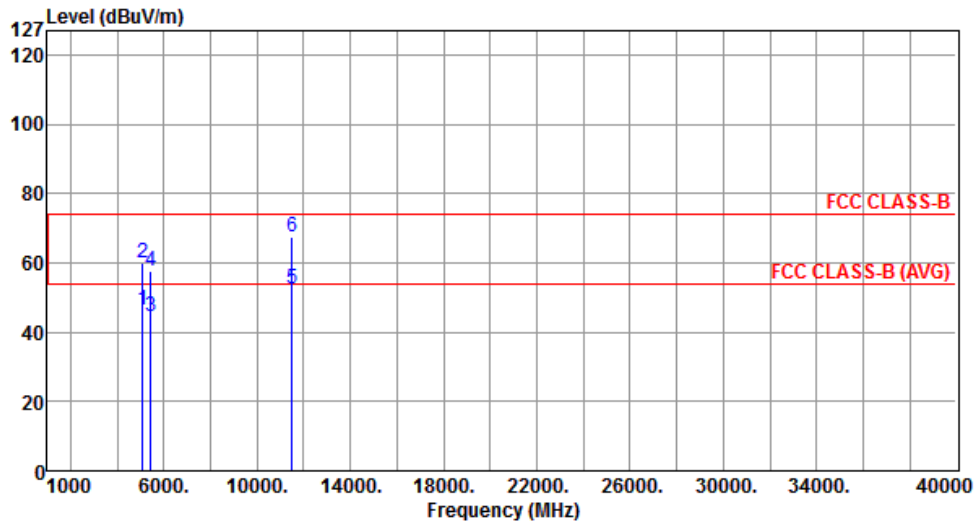
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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.

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

<b>Modulation Mode</b>	11a	<b>Test Freq. (MHz)</b>	5745
<b>Operating Mode</b>	3	<b>Polarization</b>	H



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	46.46	54.00	-7.54	41.63	4.83	Average	---	---
2	5097.00	60.10	74.00	-13.90	55.27	4.83	Peak	---	---
3	5427.00	44.37	54.00	-9.63	39.23	5.14	Average	---	---
4	5427.00	57.60	74.00	-16.40	52.46	5.14	Peak	---	---
5	11490.00	52.53	54.00	-1.47	37.56	14.97	Average	---	---
6	11490.00	67.61	74.00	-6.39	52.64	14.97	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.)

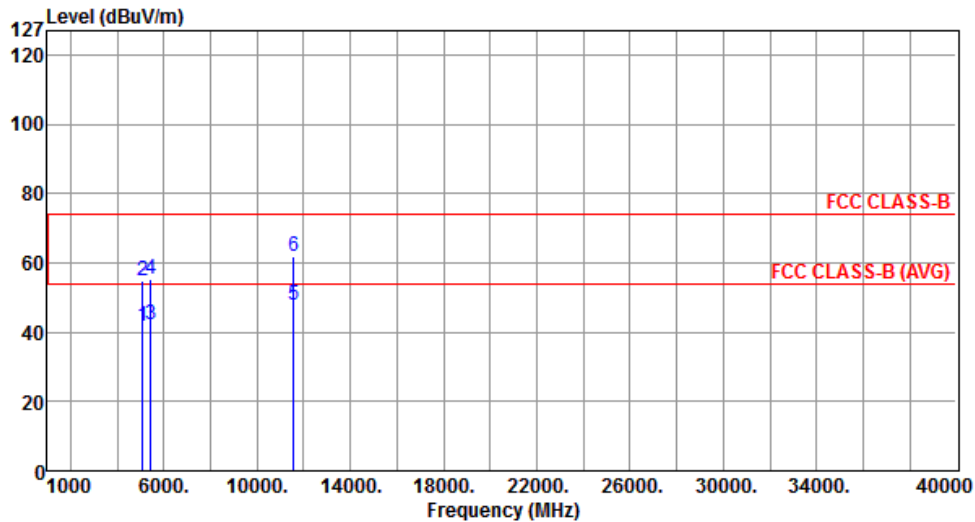
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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.

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a	Test Freq. (MHz)	5785
Operating Mode	3	Polarization	V



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	41.67	54.00	-12.33	36.84	4.83	Average	---	---
2	5097.00	55.06	74.00	-18.94	50.23	4.83	Peak	---	---
3	5427.00	42.30	54.00	-11.70	37.16	5.14	Average	---	---
4	5427.00	55.16	74.00	-18.84	50.02	5.14	Peak	---	---
5	11570.00	47.78	54.00	-6.22	32.91	14.87	Average	---	---
6	11570.00	61.90	74.00	-12.10	47.03	14.87	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)

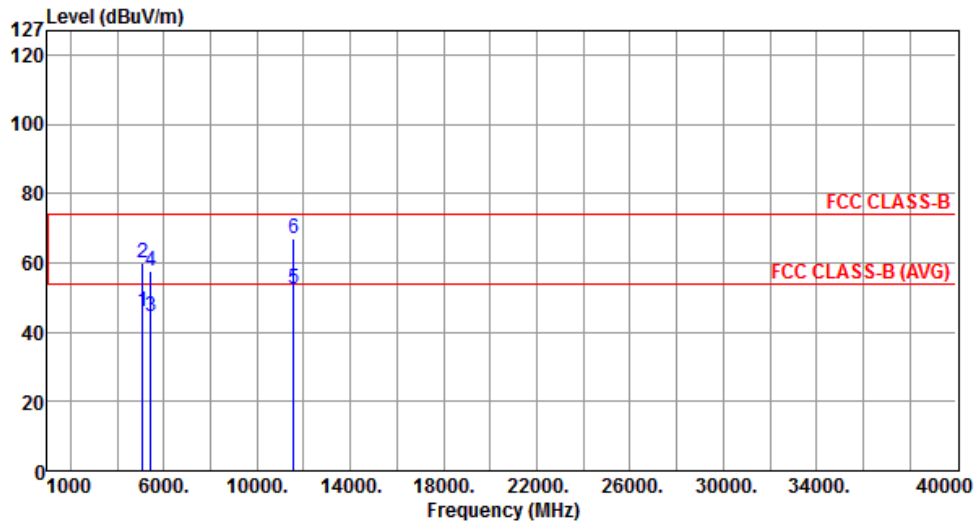
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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



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

<b>Modulation Mode</b>	11a	<b>Test Freq. (MHz)</b>	5785
<b>Operating Mode</b>	3	<b>Polarization</b>	H



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	46.07	54.00	-7.93	41.24	4.83	Average	---	---
2	5097.00	60.20	74.00	-13.80	55.37	4.83	Peak	---	---
3	5427.00	44.62	54.00	-9.38	39.48	5.14	Average	---	---
4	5427.00	57.87	74.00	-16.13	52.73	5.14	Peak	---	---
5	11570.00	52.71	54.00	-1.29	37.84	14.87	Average	---	---
6	11570.00	67.08	74.00	-6.92	52.21	14.87	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.)

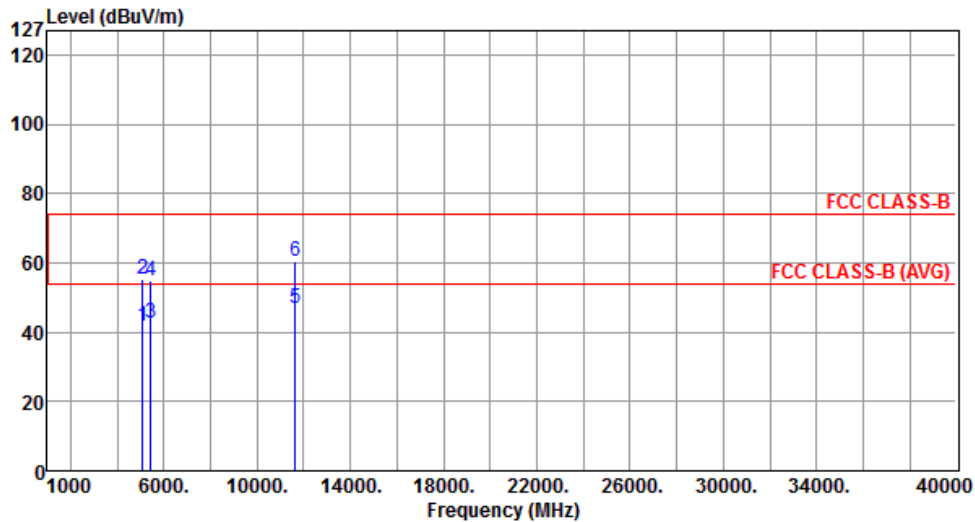
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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.

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

<b>Modulation Mode</b>	11a	<b>Test Freq. (MHz)</b>	5825
<b>Operating Mode</b>	3	<b>Polarization</b>	V



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	41.67	54.00	-12.33	36.84	4.83	Average	---	---
2	5097.00	55.19	74.00	-18.81	50.36	4.83	Peak	---	---
3	5427.00	42.78	54.00	-11.22	37.64	5.14	Average	---	---
4	5427.00	54.66	74.00	-19.34	49.52	5.14	Peak	---	---
5	11650.00	46.71	54.00	-7.29	31.95	14.76	Average	---	---
6	11650.00	60.68	74.00	-13.32	45.92	14.76	Peak	---	---

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

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

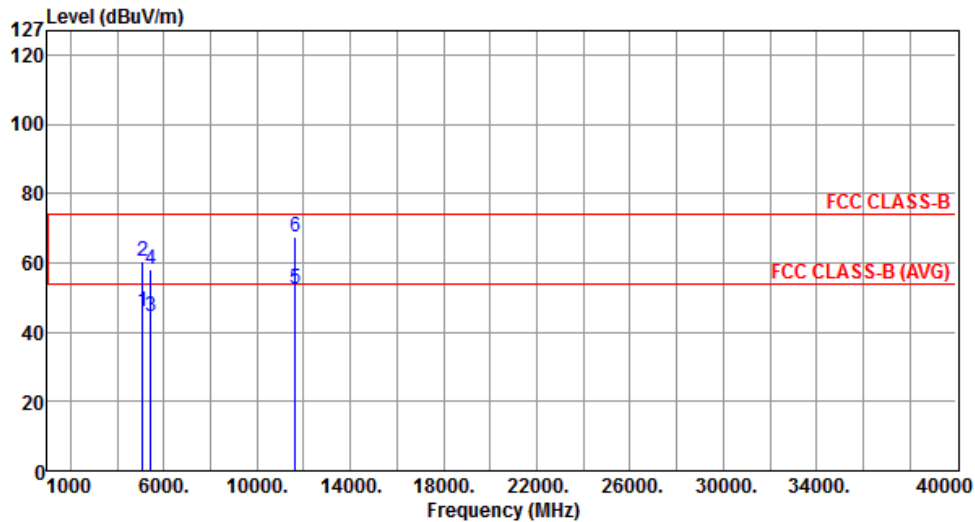
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

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

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	11a	Test Freq. (MHz)	5825
Operating Mode	3	Polarization	H



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	46.13	54.00	-7.87	41.30	4.83	Average	---	---
2	5097.00	60.49	74.00	-13.51	55.66	4.83	Peak	---	---
3	5427.00	44.62	54.00	-9.38	39.48	5.14	Average	---	---
4	5427.00	58.12	74.00	-15.88	52.98	5.14	Peak	---	---
5	11650.00	52.71	54.00	-1.29	37.95	14.76	Average	---	---
6	11650.00	67.61	74.00	-6.39	52.85	14.76	Peak	---	---

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

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

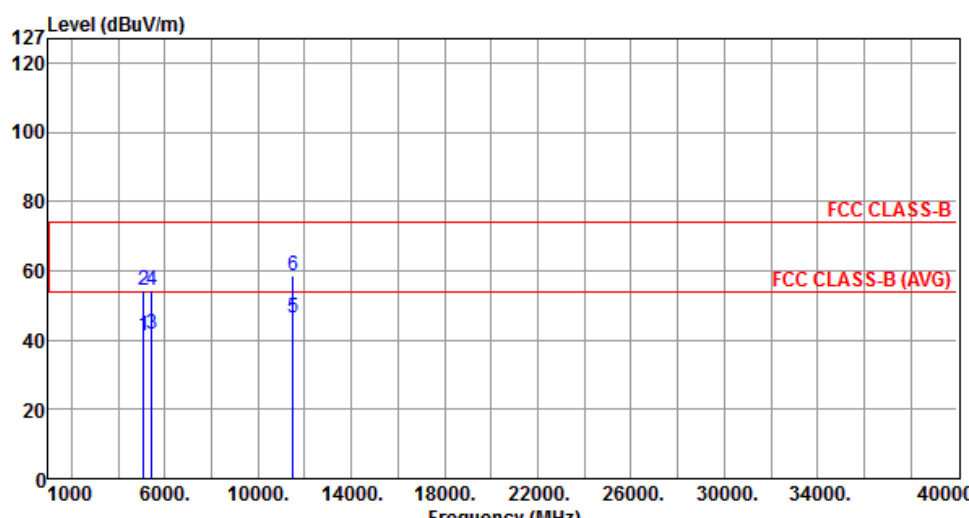
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

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

**3.6.8 Transmitter Radiated Unwanted Emissions (Above 1GHz) for VHT20**

Transmitter Radiated Unwanted Emissions (Above 1GHz)									
Modulation Mode	VHT20				Test Freq. (MHz)	5745			
Operating Mode	1				Polarization	V			

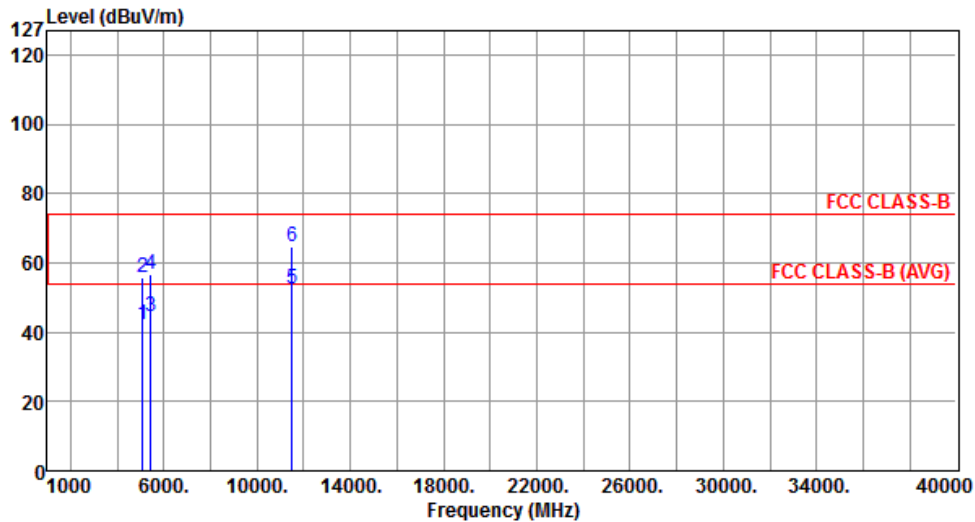
  


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	41.23	54.00	-12.77	36.40	4.83	Average	---	---
2	5097.00	54.55	74.00	-19.45	49.72	4.83	Peak	---	---
3	5427.00	41.63	54.00	-12.37	36.49	5.14	Average	---	---
4	5427.00	54.26	74.00	-19.74	49.12	5.14	Peak	---	---
5	11490.00	46.20	54.00	-7.80	31.23	14.97	Average	---	---
6	11490.00	58.49	74.00	-15.51	43.52	14.97	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.

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT20	Test Freq. (MHz)	5745
Operating Mode	1	Polarization	H



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	42.35	54.00	-11.65	37.52	4.83	Average	---	---
2	5097.00	55.61	74.00	-18.39	50.78	4.83	Peak	---	---
3	5427.00	44.57	54.00	-9.43	39.43	5.14	Average	---	---
4	5427.00	56.82	74.00	-17.18	51.68	5.14	Peak	---	---
5	11490.00	52.56	54.00	-1.44	37.59	14.97	Average	---	---
6	11490.00	64.89	74.00	-9.11	49.92	14.97	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.)

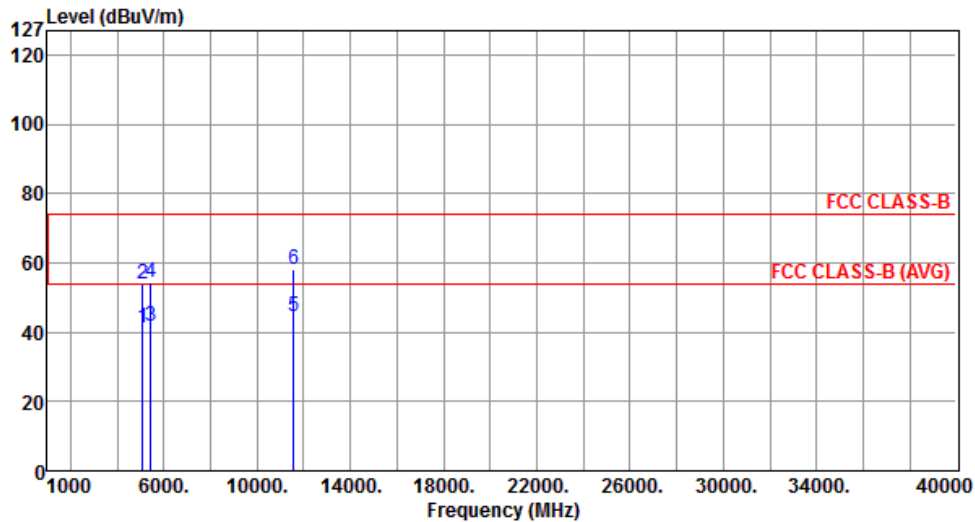
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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.

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

<b>Modulation Mode</b>	VHT20	<b>Test Freq. (MHz)</b>	5785
<b>Operating Mode</b>	1	<b>Polarization</b>	V



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	41.31	54.00	-12.69	36.48	4.83	Average	---	---
2	5097.00	53.92	74.00	-20.08	49.09	4.83	Peak	---	---
3	5427.00	41.57	54.00	-12.43	36.43	5.14	Average	---	---
4	5427.00	54.26	74.00	-19.74	49.12	5.14	Peak	---	---
5	11570.00	44.30	54.00	-9.70	29.43	14.87	Average	---	---
6	11570.00	58.05	74.00	-15.95	43.18	14.87	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.)

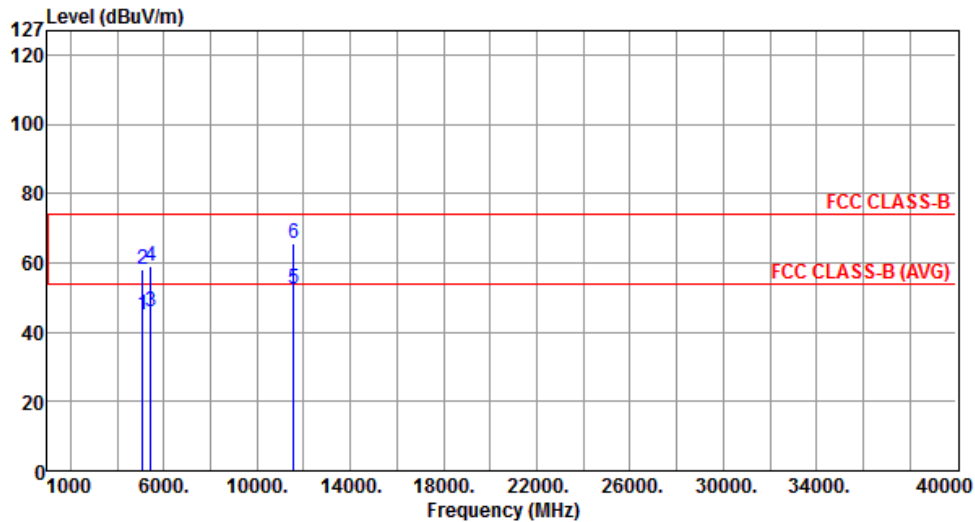
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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.

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

<b>Modulation Mode</b>	VHT20	<b>Test Freq. (MHz)</b>	5785
<b>Operating Mode</b>	1	<b>Polarization</b>	H



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	44.85	54.00	-9.15	40.02	4.83	Average	---	---
2	5097.00	57.94	74.00	-16.06	53.11	4.83	Peak	---	---
3	5427.00	45.82	54.00	-8.18	40.68	5.14	Average	---	---
4	5427.00	58.85	74.00	-15.15	53.71	5.14	Peak	---	---
5	11570.00	52.41	54.00	-1.59	37.54	14.87	Average	---	---
6	11570.00	65.50	74.00	-8.50	50.63	14.87	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.)

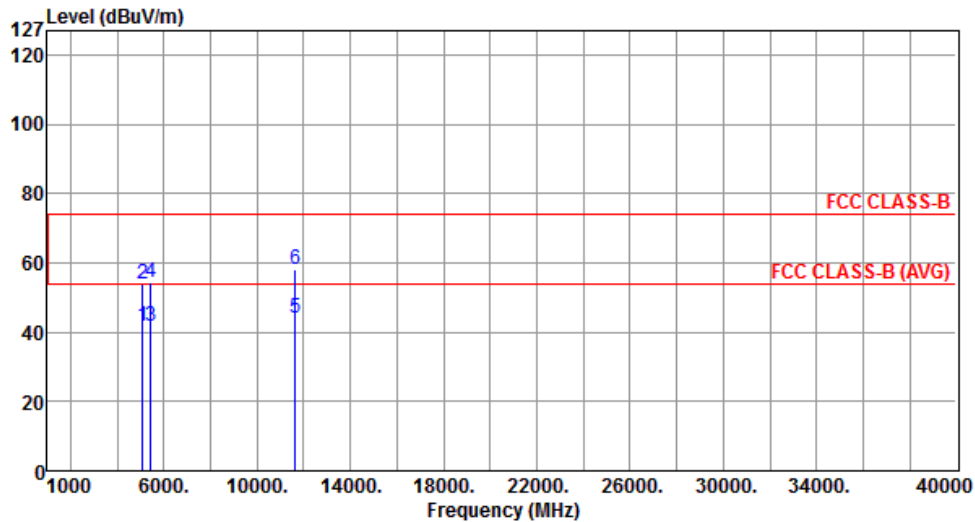
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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.

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT20	Test Freq. (MHz)	5825
Operating Mode	1	Polarization	V



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	41.58	54.00	-12.42	36.75	4.83	Average	---	---
2	5097.00	53.82	74.00	-20.18	48.99	4.83	Peak	---	---
3	5427.00	41.62	54.00	-12.38	36.48	5.14	Average	---	---
4	5427.00	54.37	74.00	-19.63	49.23	5.14	Peak	---	---
5	11650.00	44.28	54.00	-9.72	29.52	14.76	Average	---	---
6	11650.00	58.26	74.00	-15.74	43.50	14.76	Peak	---	---

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

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

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

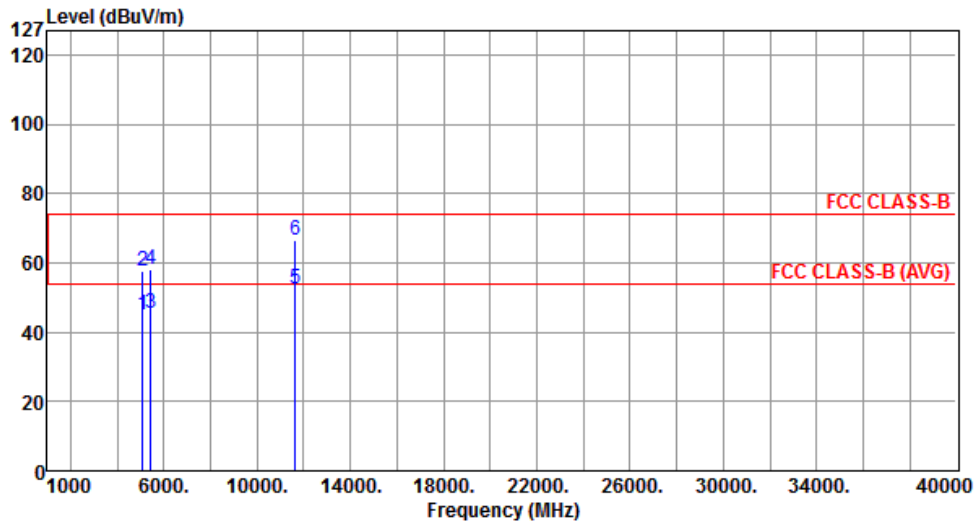
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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



## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT20	Test Freq. (MHz)	5825
Operating Mode	1	Polarization	H



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	44.76	54.00	-9.24	39.93	4.83	Average	---	---
2	5097.00	57.83	74.00	-16.17	53.00	4.83	Peak	---	---
3	5427.00	45.46	54.00	-8.54	40.32	5.14	Average	---	---
4	5427.00	58.34	74.00	-15.66	53.20	5.14	Peak	---	---
5	11650.00	52.48	54.00	-1.52	37.72	14.76	Average	---	---
6	11650.00	66.42	74.00	-7.58	51.66	14.76	Peak	---	---

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

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

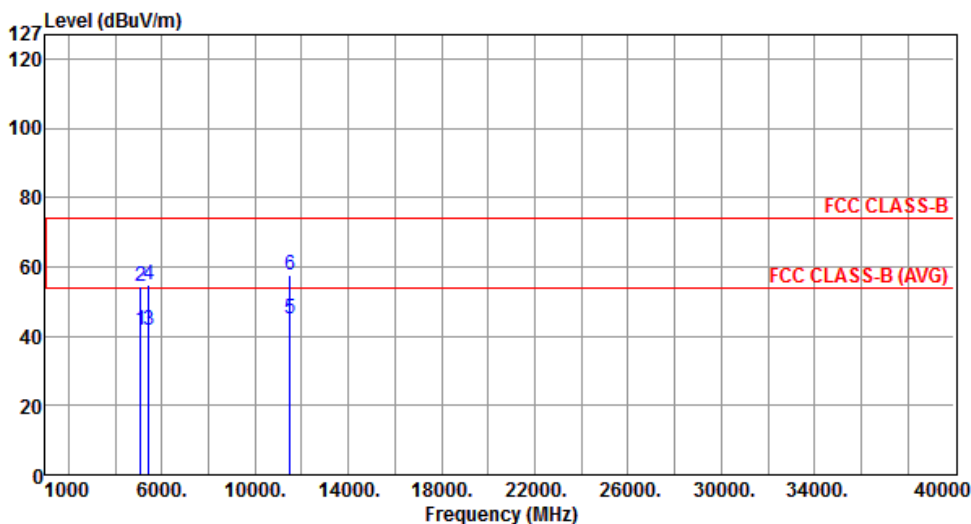
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

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

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

<b>Modulation Mode</b>	VHT20	<b>Test Freq. (MHz)</b>	5745
<b>Operating Mode</b>	2	<b>Polarization</b>	V



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	41.62	54.00	-12.38	36.79	4.83	Average	---	---
2	5097.00	54.57	74.00	-19.43	49.74	4.83	Peak	---	---
3	5427.00	41.72	54.00	-12.28	36.58	5.14	Average	---	---
4	5427.00	54.99	74.00	-19.01	49.85	5.14	Peak	---	---
5	11490.00	44.86	54.00	-9.14	29.89	14.97	Average	---	---
6	11490.00	57.43	74.00	-16.57	42.46	14.97	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.)

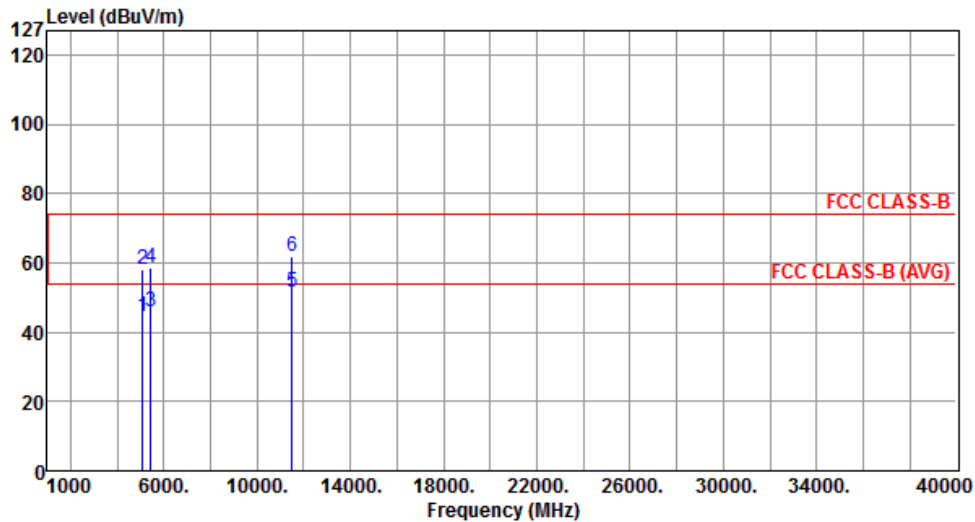
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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.

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

<b>Modulation Mode</b>	VHT20	<b>Test Freq. (MHz)</b>	5745
<b>Operating Mode</b>	2	<b>Polarization</b>	H



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	44.44	54.00	-9.56	39.61	4.83	Average	---	---
2	5097.00	58.24	74.00	-15.76	53.41	4.83	Peak	---	---
3	5427.00	45.89	54.00	-8.11	40.75	5.14	Average	---	---
4	5427.00	58.36	74.00	-15.64	53.22	5.14	Peak	---	---
5	11490.00	51.32	54.00	-2.68	36.35	14.97	Average	---	---
6	11490.00	61.64	74.00	-12.36	46.67	14.97	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.)

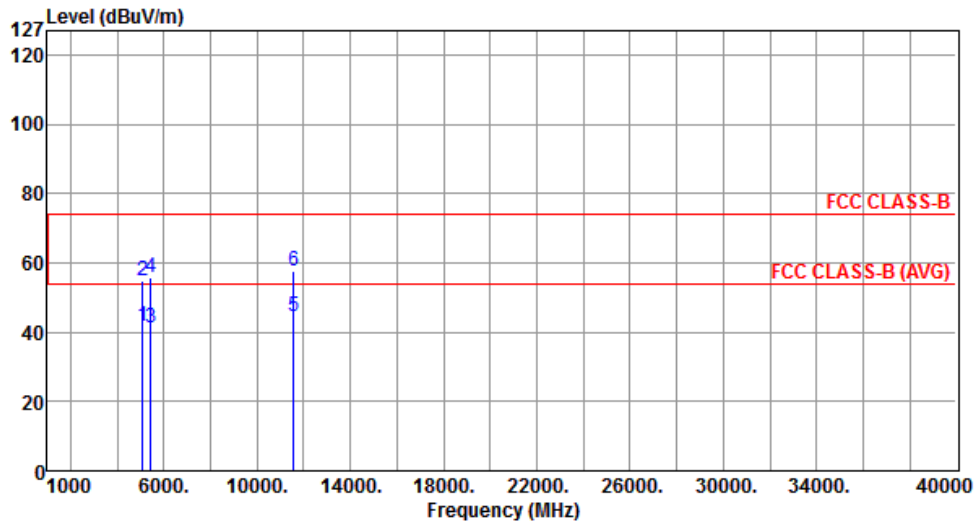
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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.

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

<b>Modulation Mode</b>	VHT20	<b>Test Freq. (MHz)</b>	5785
<b>Operating Mode</b>	2	<b>Polarization</b>	V



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	41.82	54.00	-12.18	36.99	4.83	Average	---	---
2	5097.00	54.66	74.00	-19.34	49.83	4.83	Peak	---	---
3	5427.00	41.39	54.00	-12.61	36.25	5.14	Average	---	---
4	5427.00	55.62	74.00	-18.38	50.48	5.14	Peak	---	---
5	11570.00	44.73	54.00	-9.27	29.86	14.87	Average	---	---
6	11570.00	57.78	74.00	-16.22	42.91	14.87	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.)

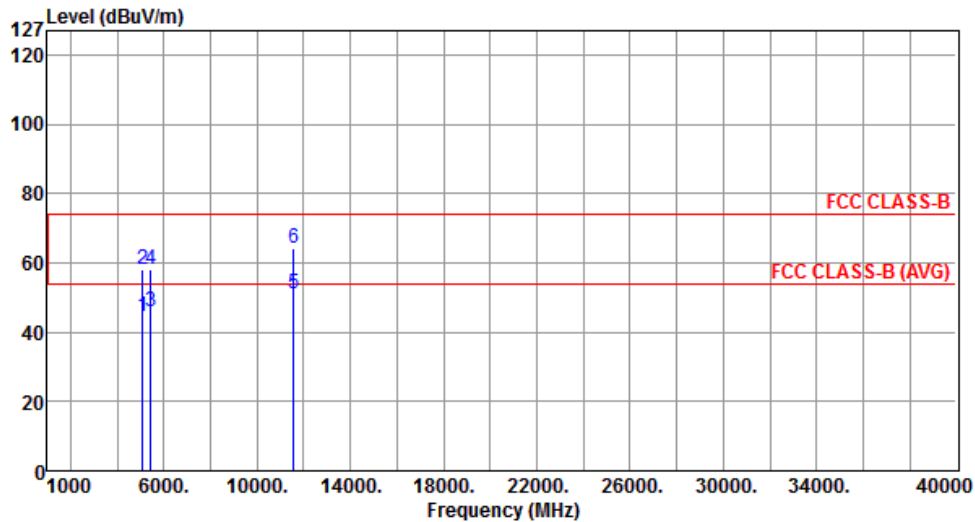
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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.

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT20	Test Freq. (MHz)	5785
Operating Mode	2	Polarization	H



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	44.58	54.00	-9.42	39.75	4.83	Average	---	---
2	5097.00	58.08	74.00	-15.92	53.25	4.83	Peak	---	---
3	5427.00	45.99	54.00	-8.01	40.85	5.14	Average	---	---
4	5427.00	58.26	74.00	-15.74	53.12	5.14	Peak	---	---
5	11570.00	51.31	54.00	-2.69	36.44	14.87	Average	---	---
6	11570.00	64.15	74.00	-9.85	49.28	14.87	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.)

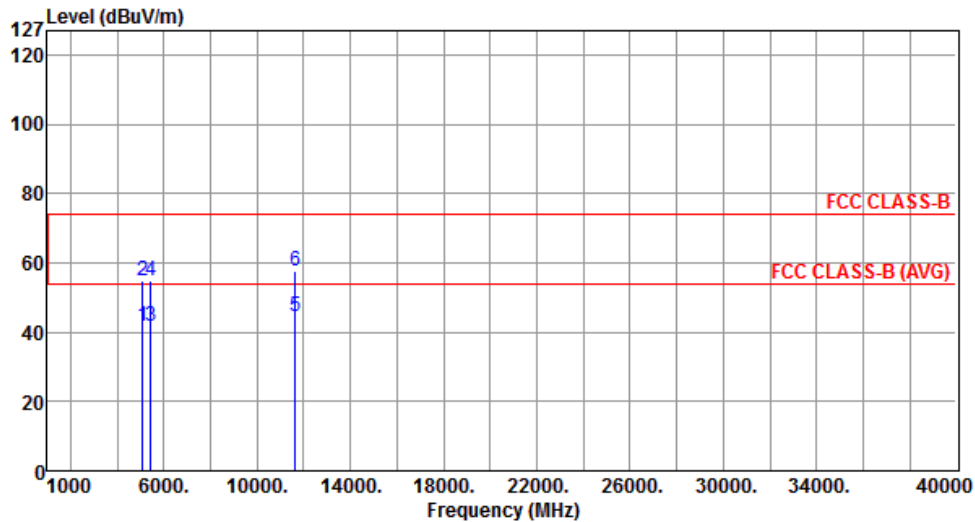
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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.

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

<b>Modulation Mode</b>	VHT20	<b>Test Freq. (MHz)</b>	5825
<b>Operating Mode</b>	2	<b>Polarization</b>	V



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	41.73	54.00	-12.27	36.90	4.83	Average	---	---
2	5097.00	54.67	74.00	-19.33	49.84	4.83	Peak	---	---
3	5427.00	41.78	54.00	-12.22	36.64	5.14	Average	---	---
4	5427.00	54.77	74.00	-19.23	49.63	5.14	Peak	---	---
5	11650.00	44.60	54.00	-9.40	29.84	14.76	Average	---	---
6	11650.00	57.65	74.00	-16.35	42.89	14.76	Peak	---	---

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

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

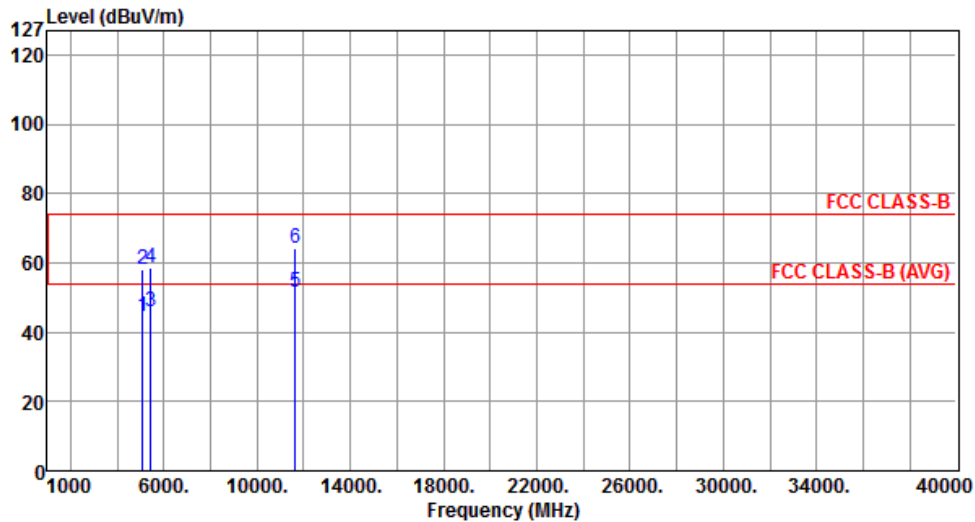
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

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

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

<b>Modulation Mode</b>	VHT20	<b>Test Freq. (MHz)</b>	5825
<b>Operating Mode</b>	2	<b>Polarization</b>	H



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	44.64	54.00	-9.36	39.81	4.83	Average	---	---
2	5097.00	57.98	74.00	-16.02	53.15	4.83	Peak	---	---
3	5427.00	45.99	54.00	-8.01	40.85	5.14	Average	---	---
4	5427.00	58.69	74.00	-15.31	53.55	5.14	Peak	---	---
5	11650.00	51.34	54.00	-2.66	36.58	14.76	Average	---	---
6	11650.00	64.10	74.00	-9.90	49.34	14.76	Peak	---	---

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

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

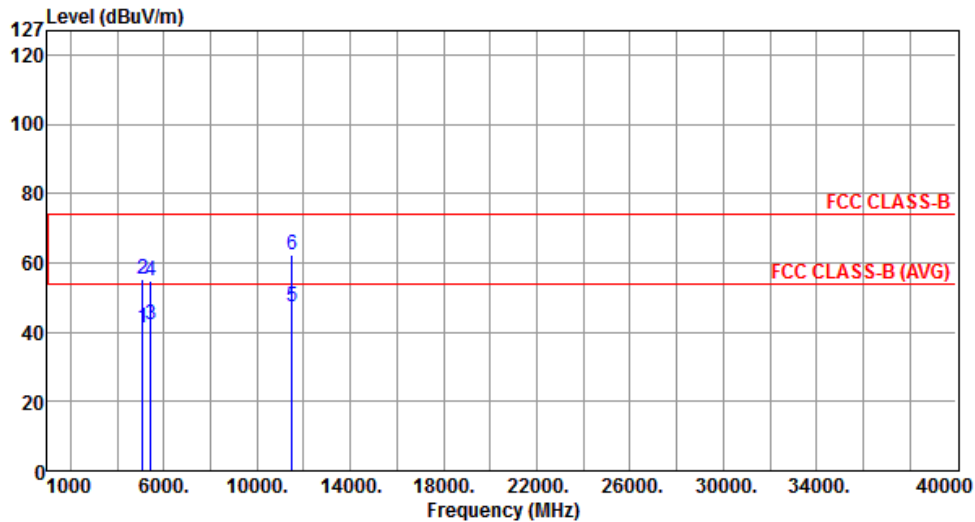
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

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

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT20	Test Freq. (MHz)	5745
Operating Mode	3	Polarization	V



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	41.36	54.00	-12.64	36.53	4.83	Average	---	---
2	5097.00	55.50	74.00	-18.50	50.67	4.83	Peak	---	---
3	5427.00	42.17	54.00	-11.83	37.03	5.14	Average	---	---
4	5427.00	54.79	74.00	-19.21	49.65	5.14	Peak	---	---
5	11490.00	47.45	54.00	-6.55	32.48	14.97	Average	---	---
6	11490.00	62.36	74.00	-11.64	47.39	14.97	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)

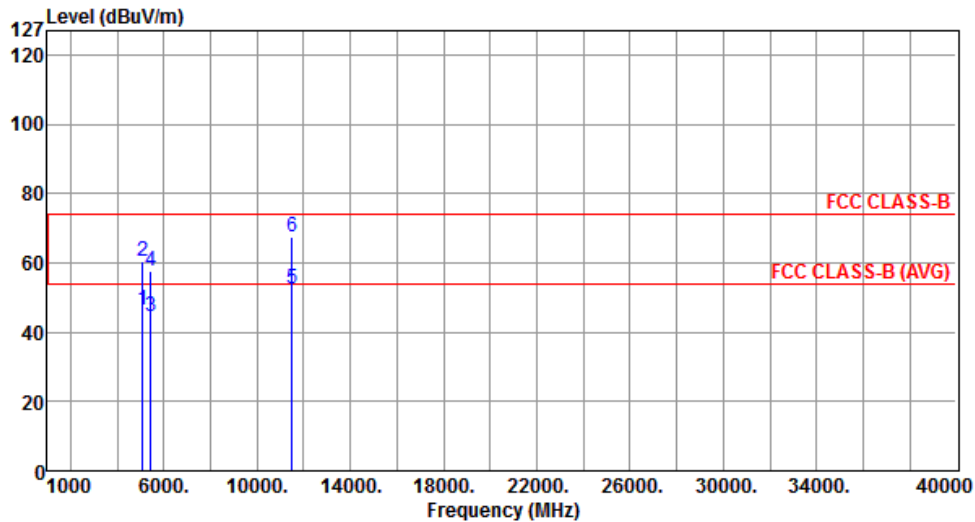
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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



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

<b>Modulation Mode</b>	VHT20	<b>Test Freq. (MHz)</b>	5745
<b>Operating Mode</b>	3	<b>Polarization</b>	H



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	46.39	54.00	-7.61	41.56	4.83	Average	---	---
2	5097.00	60.30	74.00	-13.70	55.47	4.83	Peak	---	---
3	5427.00	44.32	54.00	-9.68	39.18	5.14	Average	---	---
4	5427.00	57.77	74.00	-16.23	52.63	5.14	Peak	---	---
5	11490.00	52.48	54.00	-1.52	37.51	14.97	Average	---	---
6	11490.00	67.54	74.00	-6.46	52.57	14.97	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.)

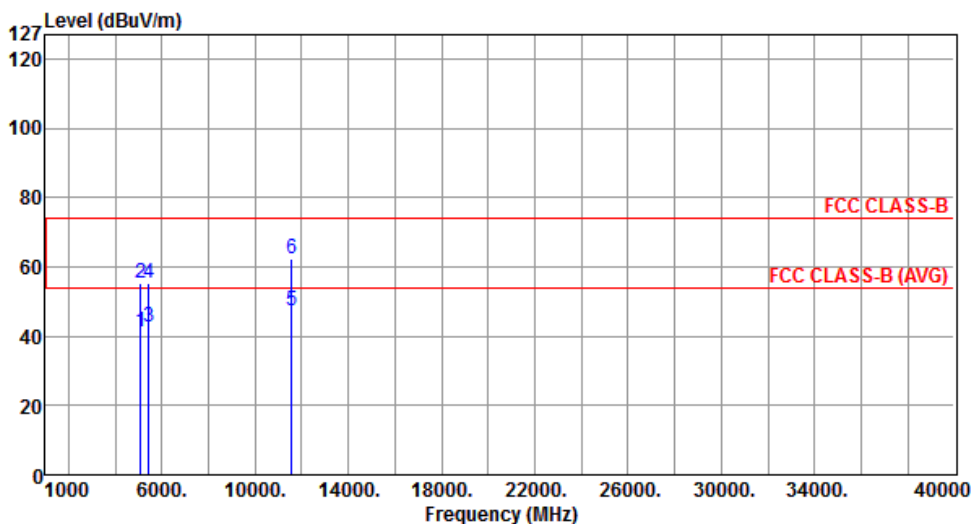
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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.

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

<b>Modulation Mode</b>	VHT20	<b>Test Freq. (MHz)</b>	5785
<b>Operating Mode</b>	3	<b>Polarization</b>	V



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	41.41	54.00	-12.59	36.58	4.83	Average	---	---
2	5097.00	55.26	74.00	-18.74	50.43	4.83	Peak	---	---
3	5427.00	42.45	54.00	-11.55	37.31	5.14	Average	---	---
4	5427.00	55.30	74.00	-18.70	50.16	5.14	Peak	---	---
5	11570.00	47.55	54.00	-6.45	32.68	14.87	Average	---	---
6	11570.00	62.11	74.00	-11.89	47.24	14.87	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.)

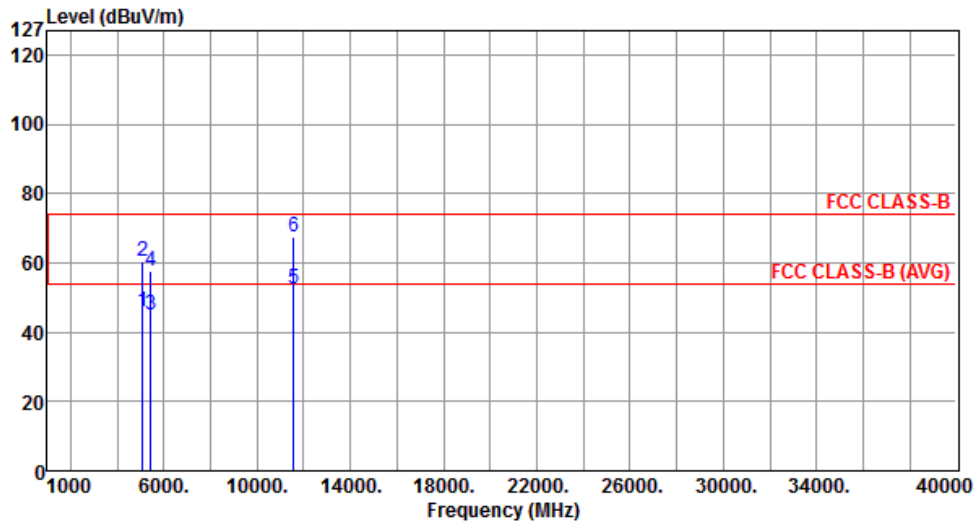
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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.

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT20	Test Freq. (MHz)	5785
Operating Mode	3	Polarization	H



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	46.13	54.00	-7.87	41.30	4.83	Average	---	---
2	5097.00	60.30	74.00	-13.70	55.47	4.83	Peak	---	---
3	5427.00	44.76	54.00	-9.24	39.62	5.14	Average	---	---
4	5427.00	57.59	74.00	-16.41	52.45	5.14	Peak	---	---
5	11570.00	52.45	54.00	-1.55	37.58	14.87	Average	---	---
6	11570.00	67.55	74.00	-6.45	52.68	14.87	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.)

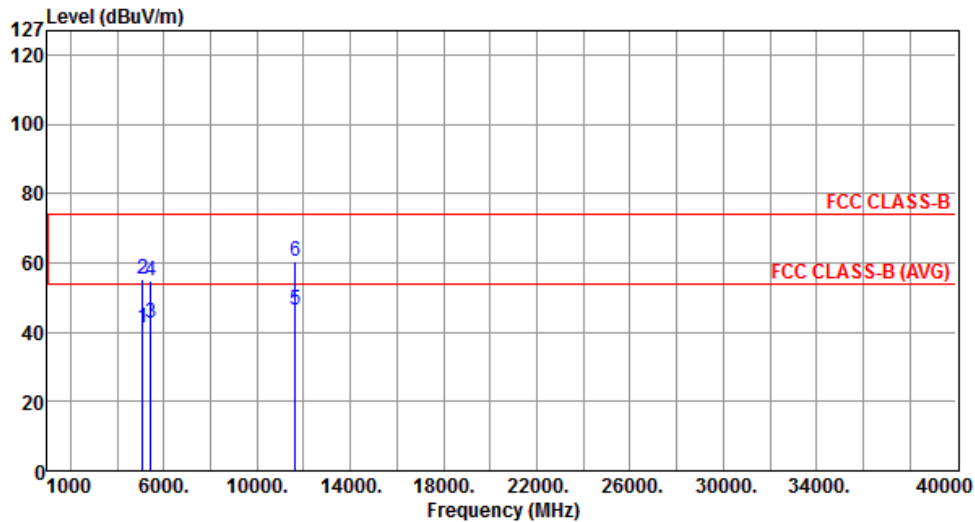
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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.

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT20	Test Freq. (MHz)	5825
Operating Mode	3	Polarization	V



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	41.35	54.00	-12.65	36.52	4.83	Average	---	---
2	5097.00	55.30	74.00	-18.70	50.47	4.83	Peak	---	---
3	5427.00	42.45	54.00	-11.55	37.31	5.14	Average	---	---
4	5427.00	54.92	74.00	-19.08	49.78	5.14	Peak	---	---
5	11650.00	46.37	54.00	-7.63	31.61	14.76	Average	---	---
6	11650.00	60.61	74.00	-13.39	45.85	14.76	Peak	---	---

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

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

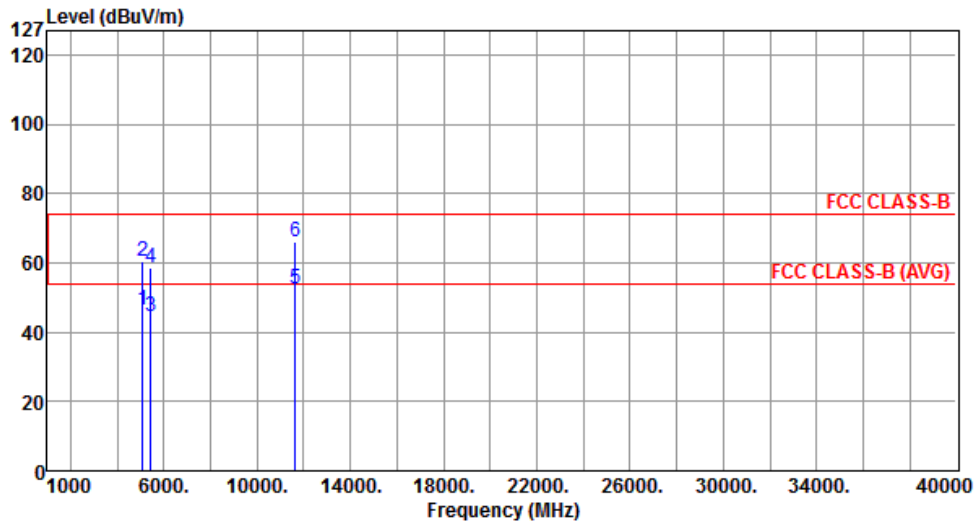
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

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

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

<b>Modulation Mode</b>	VHT20	<b>Test Freq. (MHz)</b>	5825
<b>Operating Mode</b>	3	<b>Polarization</b>	H



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	46.37	54.00	-7.63	41.54	4.83	Average	---	---
2	5097.00	60.56	74.00	-13.44	55.73	4.83	Peak	---	---
3	5427.00	44.41	54.00	-9.59	39.27	5.14	Average	---	---
4	5427.00	58.40	74.00	-15.60	53.26	5.14	Peak	---	---
5	11650.00	52.38	54.00	-1.62	37.62	14.76	Average	---	---
6	11650.00	66.09	74.00	-7.91	51.33	14.76	Peak	---	---

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

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

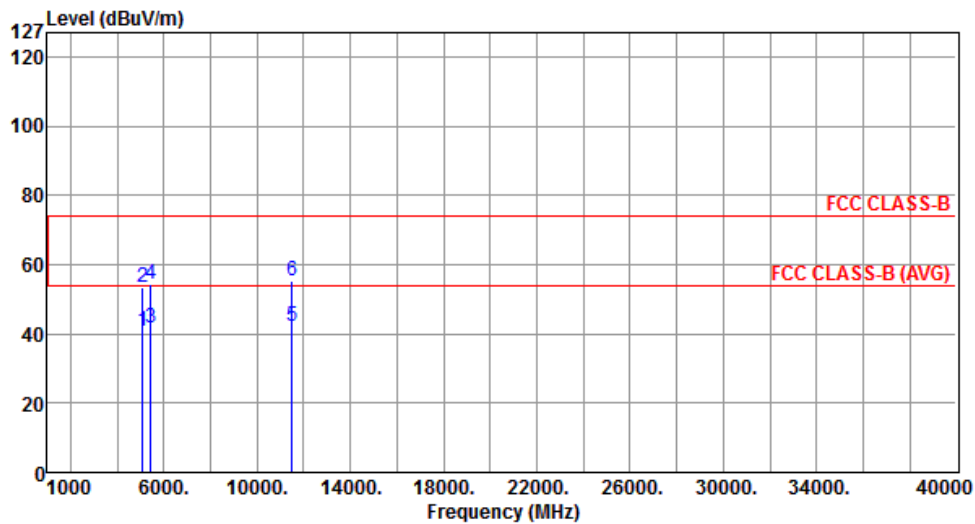
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Modulation Mode	VHT40	Test Freq. (MHz)	5755
Operating Mode	1	Polarization	V



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	40.98	54.00	-13.02	36.15	4.83	Average	---	---
2	5097.00	53.48	74.00	-20.52	48.65	4.83	Peak	---	---
3	5427.00	41.61	54.00	-12.39	36.47	5.14	Average	---	---
4	5427.00	54.43	74.00	-19.57	49.29	5.14	Peak	---	---
5	11510.00	42.18	54.00	-11.82	27.22	14.96	Average	---	---
6	11510.00	55.48	74.00	-18.52	40.52	14.96	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.)

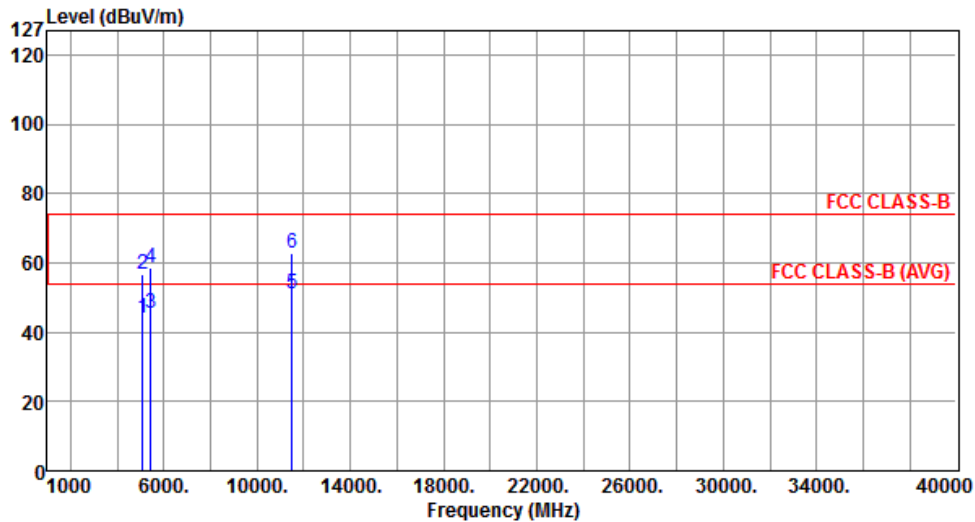
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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.

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

<b>Modulation Mode</b>	VHT40	<b>Test Freq. (MHz)</b>	5755
<b>Operating Mode</b>	1	<b>Polarization</b>	H



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	44.11	54.00	-9.89	39.28	4.83	Average	---	---
2	5097.00	56.67	74.00	-17.33	51.84	4.83	Peak	---	---
3	5427.00	45.48	54.00	-8.52	40.34	5.14	Average	---	---
4	5427.00	58.72	74.00	-15.28	53.58	5.14	Peak	---	---
5	11510.00	51.15	54.00	-2.85	36.19	14.96	Average	---	---
6	11510.00	62.98	74.00	-11.02	48.02	14.96	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.)

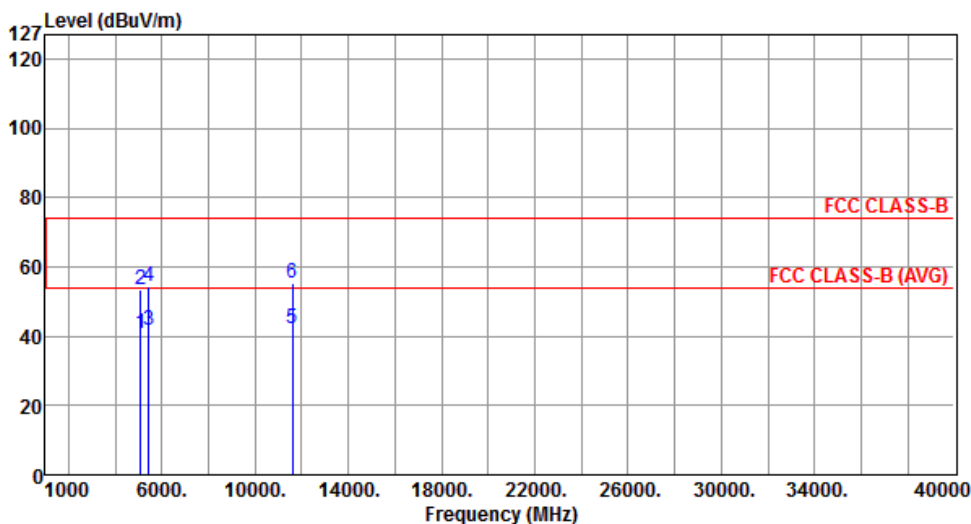
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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.

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

<b>Modulation Mode</b>	VHT40	<b>Test Freq. (MHz)</b>	5795
<b>Operating Mode</b>	1	<b>Polarization</b>	V



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	40.85	54.00	-13.15	36.02	4.83	Average	---	---
2	5097.00	53.57	74.00	-20.43	48.74	4.83	Peak	---	---
3	5427.00	41.65	54.00	-12.35	36.51	5.14	Average	---	---
4	5427.00	54.58	74.00	-19.42	49.44	5.14	Peak	---	---
5	11590.00	42.31	54.00	-11.69	27.47	14.84	Average	---	---
6	11590.00	55.53	74.00	-18.47	40.69	14.84	Peak	---	---

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

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

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

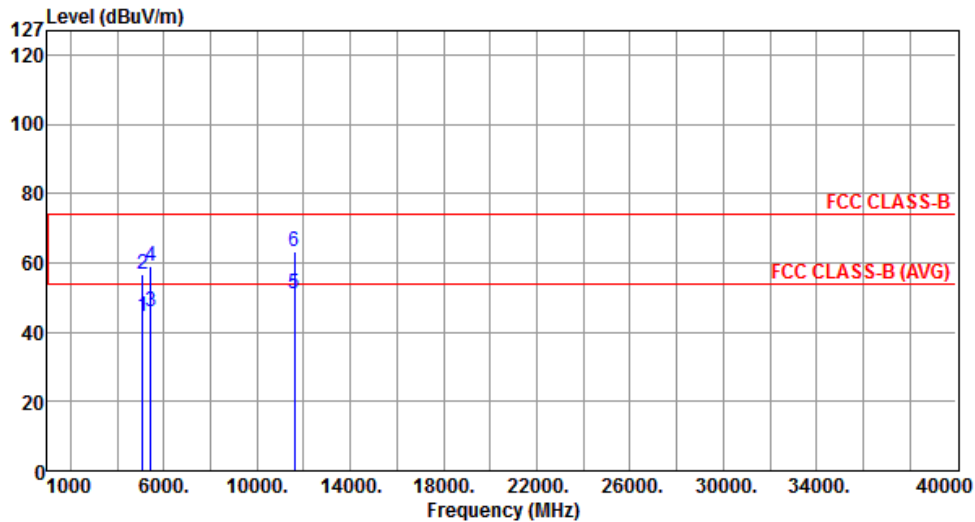
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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



## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT40	Test Freq. (MHz)	5795
Operating Mode	1	Polarization	H



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	44.55	54.00	-9.45	39.72	4.83	Average	---	---
2	5097.00	56.78	74.00	-17.22	51.95	4.83	Peak	---	---
3	5427.00	45.88	54.00	-8.12	40.74	5.14	Average	---	---
4	5427.00	58.82	74.00	-15.18	53.68	5.14	Peak	---	---
5	11590.00	51.04	54.00	-2.96	36.20	14.84	Average	---	---
6	11590.00	63.22	74.00	-10.78	48.38	14.84	Peak	---	---

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

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

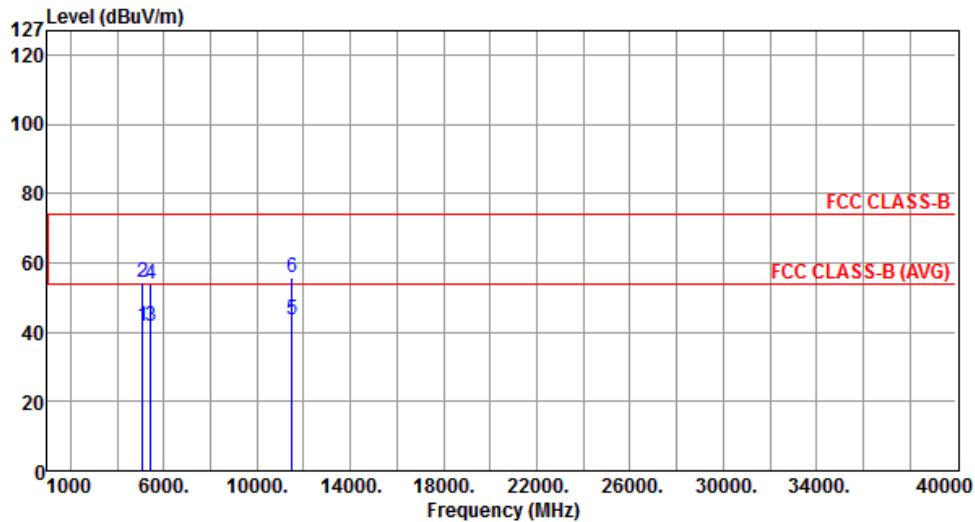
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

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

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

<b>Modulation Mode</b>	VHT40	<b>Test Freq. (MHz)</b>	5755
<b>Operating Mode</b>	2	<b>Polarization</b>	V



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	41.68	54.00	-12.32	36.85	4.83	Average	---	---
2	5097.00	54.35	74.00	-19.65	49.52	4.83	Peak	---	---
3	5427.00	41.87	54.00	-12.13	36.73	5.14	Average	---	---
4	5427.00	53.96	74.00	-20.04	48.82	5.14	Peak	---	---
5	11510.00	43.57	54.00	-10.43	28.61	14.96	Average	---	---
6	11510.00	55.63	74.00	-18.37	40.67	14.96	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.)

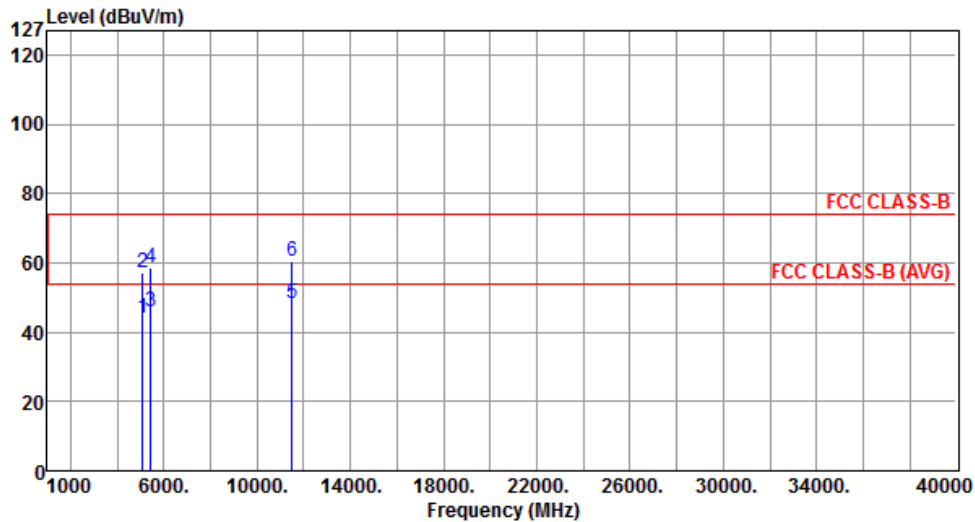
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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.

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT40	Test Freq. (MHz)	5755
Operating Mode	2	Polarization	H



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	44.14	54.00	-9.86	39.31	4.83	Average	---	---
2	5097.00	57.40	74.00	-16.60	52.57	4.83	Peak	---	---
3	5427.00	45.94	54.00	-8.06	40.80	5.14	Average	---	---
4	5427.00	58.38	74.00	-15.62	53.24	5.14	Peak	---	---
5	11510.00	48.31	54.00	-5.69	33.35	14.96	Average	---	---
6	11510.00	60.59	74.00	-13.41	45.63	14.96	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.)

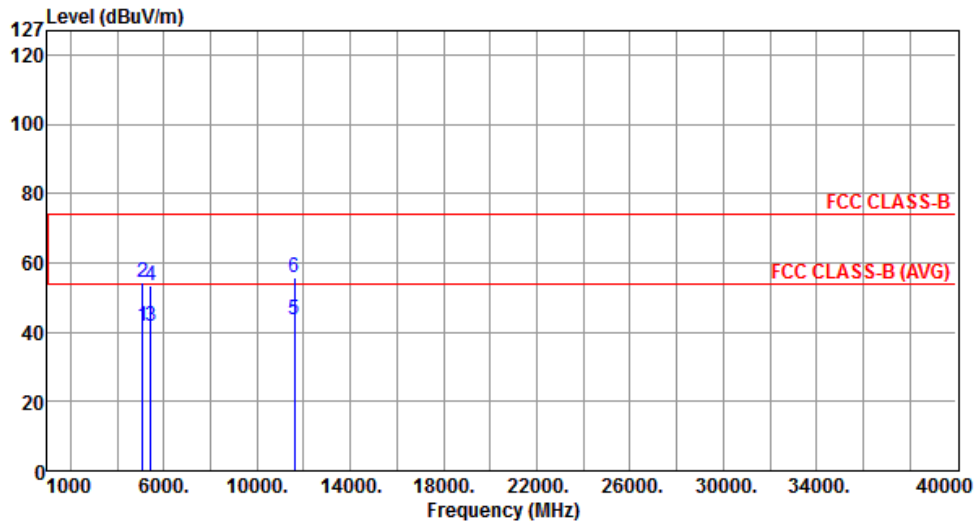
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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.

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

<b>Modulation Mode</b>	VHT40	<b>Test Freq. (MHz)</b>	5795
<b>Operating Mode</b>	2	<b>Polarization</b>	V



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	41.82	54.00	-12.18	36.99	4.83	Average	---	---
2	5097.00	54.51	74.00	-19.49	49.68	4.83	Peak	---	---
3	5427.00	41.75	54.00	-12.25	36.61	5.14	Average	---	---
4	5427.00	53.55	74.00	-20.45	48.41	5.14	Peak	---	---
5	11590.00	43.62	54.00	-10.38	28.78	14.84	Average	---	---
6	11590.00	55.75	74.00	-18.25	40.91	14.84	Peak	---	---

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

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

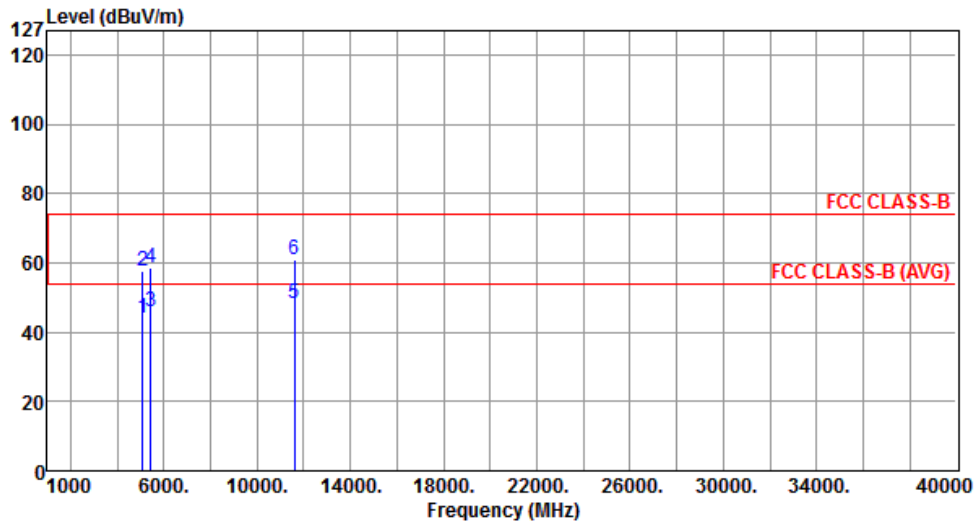
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

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

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT40	Test Freq. (MHz)	5795
Operating Mode	2	Polarization	H



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	44.27	54.00	-9.73	39.44	4.83	Average	---	---
2	5097.00	57.46	74.00	-16.54	52.63	4.83	Peak	---	---
3	5427.00	45.72	54.00	-8.28	40.58	5.14	Average	---	---
4	5427.00	58.69	74.00	-15.31	53.55	5.14	Peak	---	---
5	11590.00	48.26	54.00	-5.74	33.42	14.84	Average	---	---
6	11590.00	60.77	74.00	-13.23	45.93	14.84	Peak	---	---

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

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

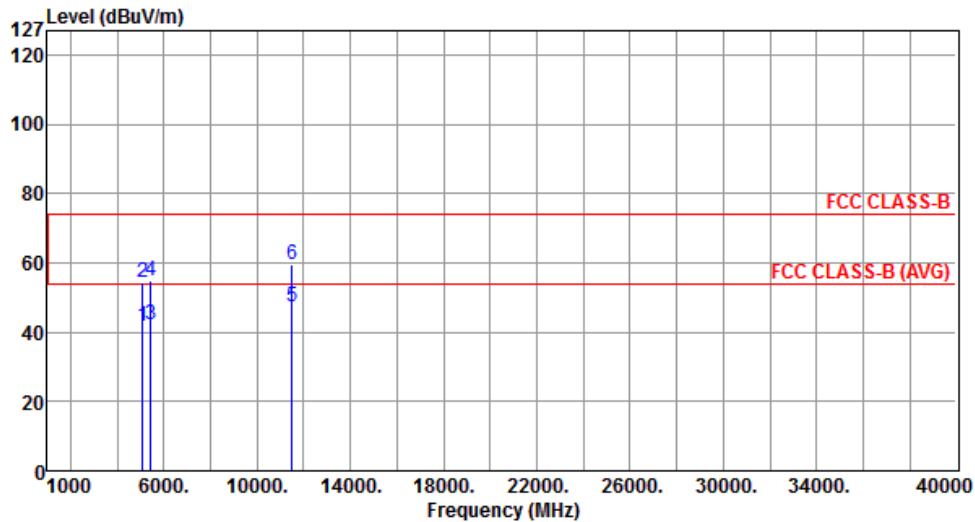
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

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

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

<b>Modulation Mode</b>	VHT40	<b>Test Freq. (MHz)</b>	5755
<b>Operating Mode</b>	3	<b>Polarization</b>	V



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	41.66	54.00	-12.34	36.83	4.83	Average	---	---
2	5097.00	54.35	74.00	-19.65	49.52	4.83	Peak	---	---
3	5427.00	42.14	54.00	-11.86	37.00	5.14	Average	---	---
4	5427.00	54.97	74.00	-19.03	49.83	5.14	Peak	---	---
5	11510.00	47.32	54.00	-6.68	32.36	14.96	Average	---	---
6	11510.00	59.67	74.00	-14.33	44.71	14.96	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.)

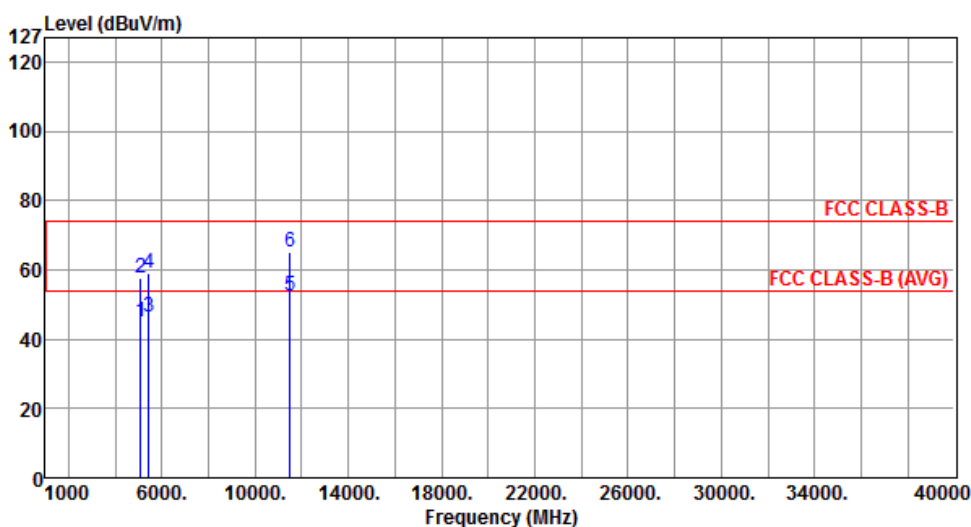
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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.

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

<b>Modulation Mode</b>	VHT40	<b>Test Freq. (MHz)</b>	5755
<b>Operating Mode</b>	3	<b>Polarization</b>	H



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	45.15	54.00	-8.85	40.32	4.83	Average	---	---
2	5097.00	57.67	74.00	-16.33	52.84	4.83	Peak	---	---
3	5427.00	46.41	54.00	-7.59	41.27	5.14	Average	---	---
4	5427.00	59.18	74.00	-14.82	54.04	5.14	Peak	---	---
5	11510.00	52.63	54.00	-1.37	37.67	14.96	Average	---	---
6	11510.00	65.15	74.00	-8.85	50.19	14.96	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.)

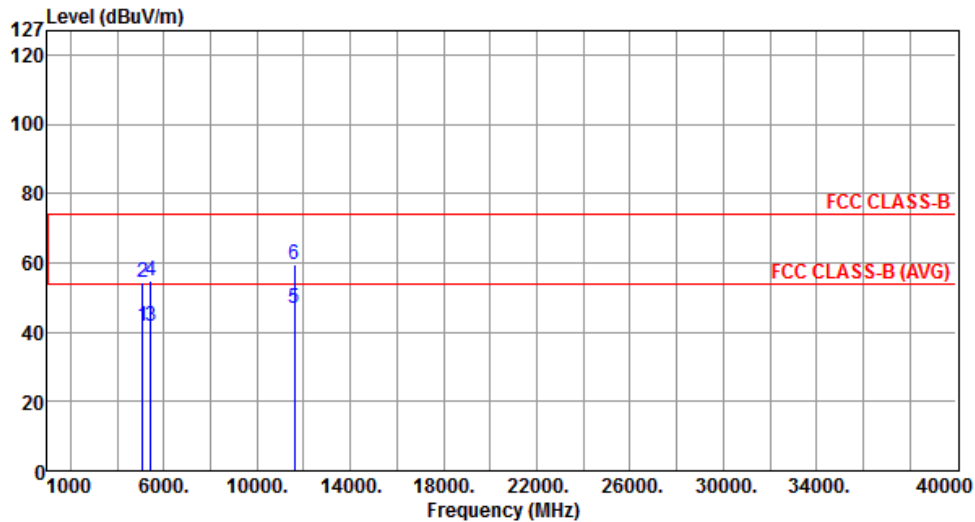
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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.

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

<b>Modulation Mode</b>	VHT40	<b>Test Freq. (MHz)</b>	5795
<b>Operating Mode</b>	3	<b>Polarization</b>	V



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	41.57	54.00	-12.43	36.74	4.83	Average	---	---
2	5097.00	54.22	74.00	-19.78	49.39	4.83	Peak	---	---
3	5427.00	41.89	54.00	-12.11	36.75	5.14	Average	---	---
4	5427.00	54.88	74.00	-19.12	49.74	5.14	Peak	---	---
5	11590.00	47.06	54.00	-6.94	32.22	14.84	Average	---	---
6	11590.00	59.47	74.00	-14.53	44.63	14.84	Peak	---	---

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

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

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

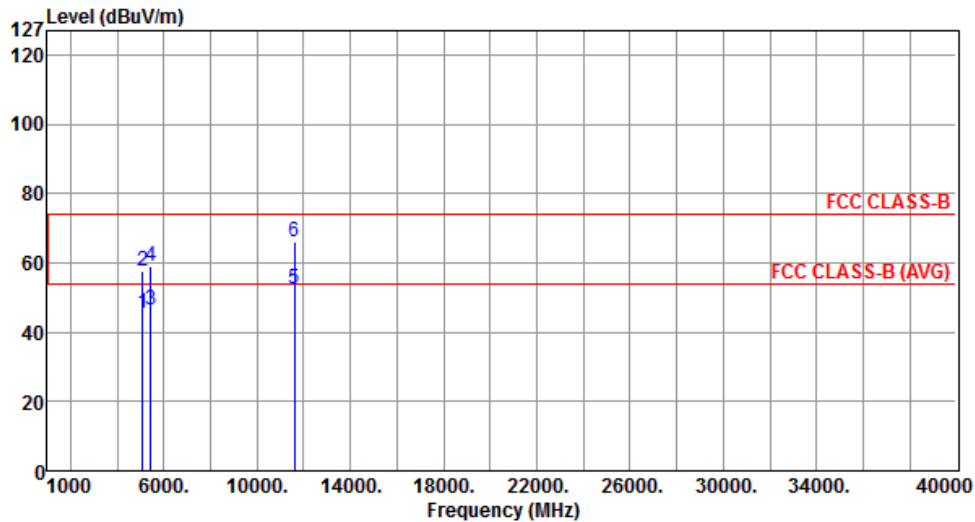
Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.

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



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

<b>Modulation Mode</b>	VHT40	<b>Test Freq. (MHz)</b>	5795
<b>Operating Mode</b>	3	<b>Polarization</b>	H



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	45.23	54.00	-8.77	40.40	4.83	Average	---	---
2	5097.00	57.82	74.00	-16.18	52.99	4.83	Peak	---	---
3	5427.00	46.23	54.00	-7.77	41.09	5.14	Average	---	---
4	5427.00	58.88	74.00	-15.12	53.74	5.14	Peak	---	---
5	11590.00	52.66	54.00	-1.34	37.82	14.84	Average	---	---
6	11590.00	66.23	74.00	-7.77	51.39	14.84	Peak	---	---

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

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

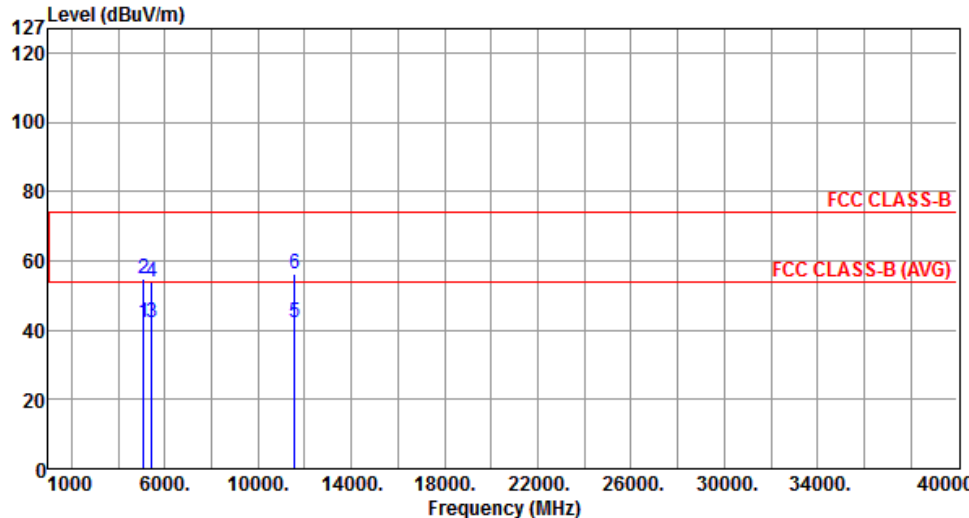
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

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

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)									
Modulation Mode	VHT80				Test Freq. (MHz)	5775			
Operating Mode	1				Polarization	V			

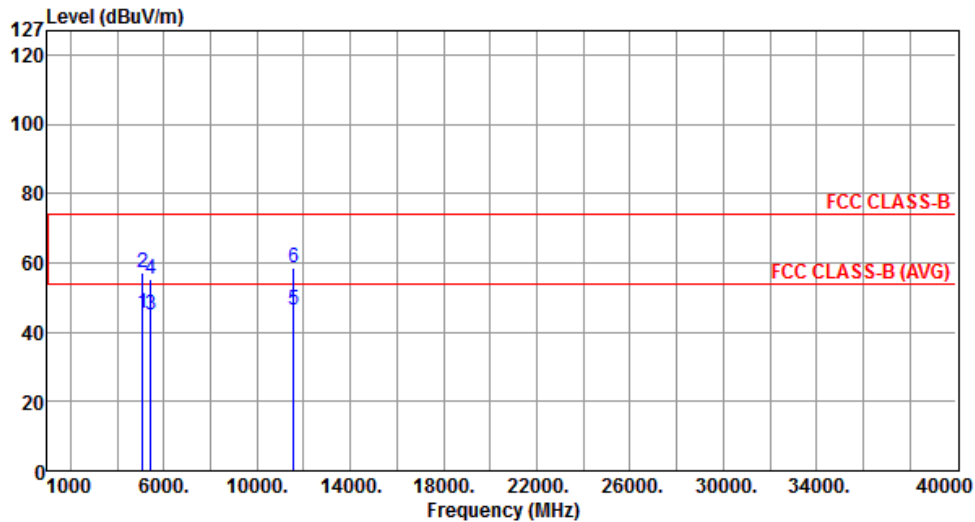
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	42.04	54.00	-11.96	37.21	4.83	Average	---	---
2	5097.00	54.72	74.00	-19.28	49.89	4.83	Peak	---	---
3	5427.00	42.20	54.00	-11.80	37.06	5.14	Average	---	---
4	5427.00	54.13	74.00	-19.87	48.99	5.14	Peak	---	---
5	11550.00	42.28	54.00	-11.72	27.38	14.90	Average	---	---
6	11550.00	56.25	74.00	-17.75	41.35	14.90	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.

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

<b>Modulation Mode</b>	VHT80	<b>Test Freq. (MHz)</b>	5775
<b>Operating Mode</b>	1	<b>Polarization</b>	H



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	45.23	54.00	-8.77	40.40	4.83	Average	---	---
2	5097.00	57.09	74.00	-16.91	52.26	4.83	Peak	---	---
3	5427.00	45.01	54.00	-8.99	39.87	5.14	Average	---	---
4	5427.00	55.49	74.00	-18.51	50.35	5.14	Peak	---	---
5	11550.00	46.25	54.00	-7.75	31.35	14.90	Average	---	---
6	11550.00	58.72	74.00	-15.28	43.82	14.90	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.)

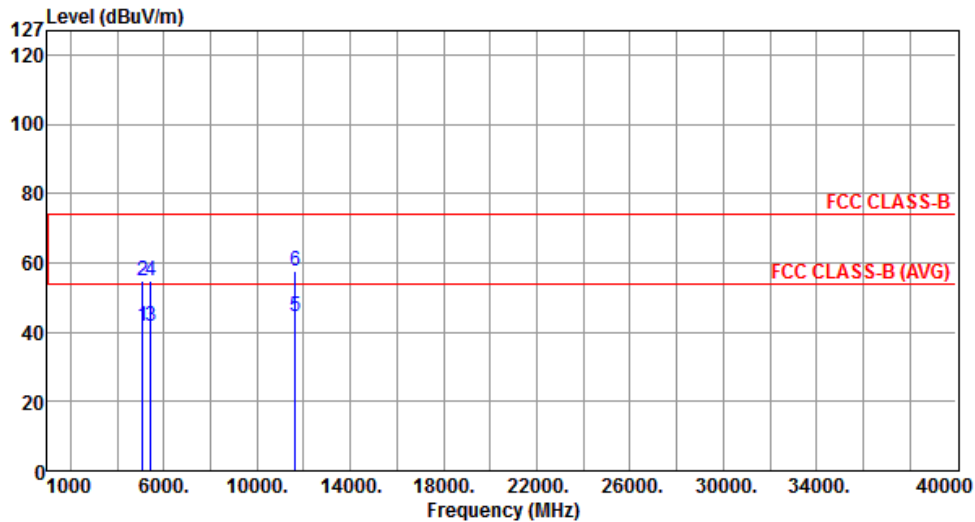
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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.

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT80	Test Freq. (MHz)	5775
Operating Mode	2	Polarization	V



	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	41.73	54.00	-12.27	36.90	4.83	Average	---	---
2	5097.00	54.67	74.00	-19.33	49.84	4.83	Peak	---	---
3	5427.00	41.78	54.00	-12.22	36.64	5.14	Average	---	---
4	5427.00	54.77	74.00	-19.23	49.63	5.14	Peak	---	---
5	11650.00	44.60	54.00	-9.40	29.84	14.76	Average	---	---
6	11650.00	57.65	74.00	-16.35	42.89	14.76	Peak	---	---

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

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

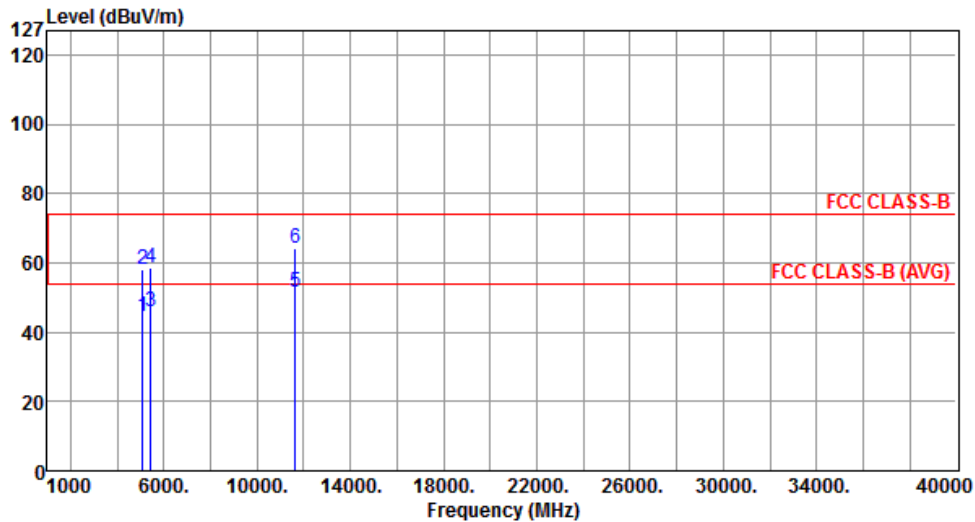
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

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

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT80	Test Freq. (MHz)	5775
Operating Mode	2	Polarization	H



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	44.64	54.00	-9.36	39.81	4.83	Average	---	---
2	5097.00	57.98	74.00	-16.02	53.15	4.83	Peak	---	---
3	5427.00	45.99	54.00	-8.01	40.85	5.14	Average	---	---
4	5427.00	58.69	74.00	-15.31	53.55	5.14	Peak	---	---
5	11650.00	51.34	54.00	-2.66	36.58	14.76	Average	---	---
6	11650.00	64.10	74.00	-9.90	49.34	14.76	Peak	---	---

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

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

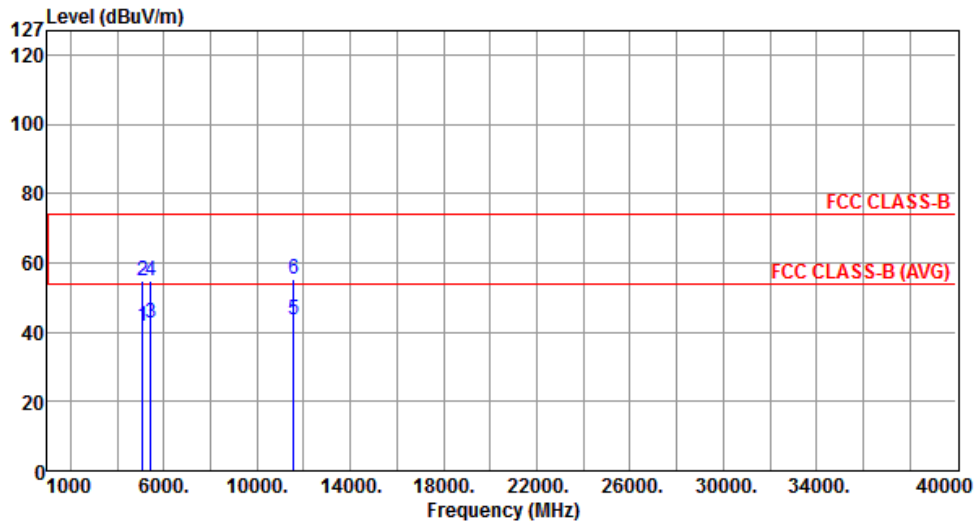
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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

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

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT80	Test Freq. (MHz)	5775
Operating Mode	3	Polarization	V



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	41.86	54.00	-12.14	37.03	4.83	Average	---	---
2	5097.00	54.61	74.00	-19.39	49.78	4.83	Peak	---	---
3	5427.00	42.56	54.00	-11.44	37.42	5.14	Average	---	---
4	5427.00	54.74	74.00	-19.26	49.60	5.14	Peak	---	---
5	11550.00	43.38	54.00	-10.62	28.48	14.90	Average	---	---
6	11550.00	55.27	74.00	-18.73	40.37	14.90	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.)

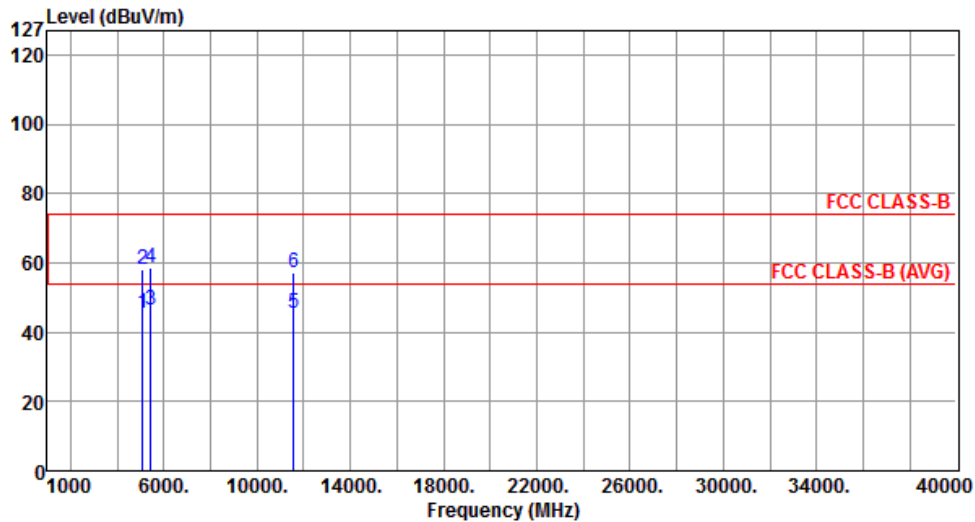
Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

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.

## Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation Mode	VHT80	Test Freq. (MHz)	5775
Operating Mode	3	Polarization	H



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5097.00	45.44	54.00	-8.56	40.61	4.83	Average	---	---
2	5097.00	58.24	74.00	-15.76	53.41	4.83	Peak	---	---
3	5427.00	46.19	54.00	-7.81	41.05	5.14	Average	---	---
4	5427.00	58.53	74.00	-15.47	53.39	5.14	Peak	---	---
5	11550.00	45.26	54.00	-8.74	30.36	14.90	Average	---	---
6	11550.00	57.01	74.00	-16.99	42.11	14.90	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.

## 4 Test Equipment and Calibration Data

<b>Test Item</b>	Conducted Emission				
<b>Test Site</b>	Conduction room 1 / (CO01-WS)				
<b>Instrument</b>	<b>Manufacturer</b>	<b>Model No.</b>	<b>Serial No.</b>	<b>Calibration Date</b>	<b>Calibration Until</b>
EMC Receiver	R&S	ESCS 30	100169	Oct. 02, 2012	Oct. 01, 2013
LISN	SCHWARZBECK MESS-ELEKTRONIK	Schwarzbeck 8127	8127-667	Dec. 04, 2012	Dec. 03, 2013
LISN (Support Unit)	SCHWARZBECK MESS-ELEKTRONIK	Schwarzbeck 8127	8127-666	Dec. 04, 2012	Dec. 03, 2013
RF Cable-CON	Woken	CFD200-NL	CFD200-NL-001	Dec. 25, 2012	Dec. 24, 2013
50 ohm terminal	NA	50	01	Apr. 22, 2013	Apr. 21, 2014
50 ohm terminal	NA	50	02	Apr. 22, 2013	Apr. 21, 2014
50 ohm terminal	NA	50	03	Apr. 22, 2013	Apr. 21, 2014
50 ohm terminal (Support Unit)	NA	50	04	Apr. 22, 2013	Apr. 21, 2014
Note: Calibration Interval of instruments listed above is one year.					

<b>Test Item</b>	Radiated Emission above 1GHz				
<b>Test Site</b>	966 chamber1 / (03CH01-WS)				
<b>Instrument</b>	<b>Manufacturer</b>	<b>Model No.</b>	<b>Serial No.</b>	<b>Calibration Date</b>	<b>Calibration Until</b>
3m semi-anechoic chamber	CHAMPRO	SAC-03	03CH01-WS	Jan. 04, 2013	Jan. 03, 2014
Spectrum Analyzer	R&S	FSV40	101498	Jan. 24, 2013	Jan. 23, 2014
Receiver	R&S	ESR3	101658	Jan. 28, 2013	Jan. 27, 2014
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-522	Jan. 11, 2013	Jan. 10, 2014
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1096	Feb. 18, 2013	Feb. 17, 2014
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Jan. 14, 2013	Jan. 13, 2014
Amplifier	Burgeon	BPA-530	100219	Nov. 28, 2012	Nov. 27, 2013
Amplifier	Agilent	83017A	MY39501308	Dec. 18, 2012	Dec. 17, 2013
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16014/4	Dec. 25, 2012	Dec. 24, 2013
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16019/4	Dec. 25, 2012	Dec. 24, 2013
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16139/4	Dec. 25, 2012	Dec. 24, 2013
RF Cable-R03m	Woken	CFD400NL-LW	CFD400NL-001	Dec. 25, 2012	Dec. 24, 2013
RF Cable-R10m	Woken	CFD400NL-LW	CFD400NL-002	Dec. 25, 2012	Dec. 24, 2013
control	EM Electronics	EM1000	60612	N/A	N/A
Note: Calibration Interval of instruments listed above is one year.					

Loop Antenna	R&S	HFH2-Z2	100330	Nov. 15, 2012	Nov. 14, 2014
Amplifier	MITEQ	AMF-6F-260400	9121372	Apr. 19, 2013	Apr. 18, 2015
Note: Calibration Interval of instruments listed above is two year.					





<b>Test Item</b>	RF Conducted				
<b>Test Site</b>	TH01-HY				
<b>Instrument</b>	<b>Manufacturer</b>	<b>Model No.</b>	<b>Serial No.</b>	<b>Calibration Date</b>	<b>Calibration Until</b>
Spectrum Analyzer	R&S	FSV 40	101063	Feb. 18, 2013	Feb. 17, 2014
Spectrum Analyzer	R&S	FSP 40	100305	Mar. 20, 2013	Mar. 19, 2014
Temp. and Humidity Chamber	Giant Force	GTH-225-20-SP-SD	MAA1112-007	Nov. 21, 2012	Nov. 20, 2013
Signal Generator	R&S	SMB100A	175727	Jan. 14, 2013	Jan. 14, 2014
Power Sensor	Anritsu	MA2411B	0917017	Feb. 02, 2013	Feb. 01, 2014
Power Meter	Anritsu	ML2495A	0949003	Feb. 02, 2013	Feb. 01, 2014
Note: Calibration Interval of instruments listed above is one year.					