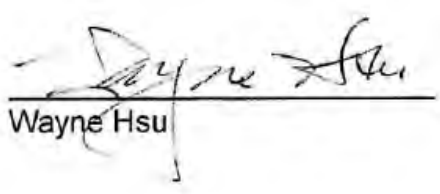
FCC / IC Radio Test Report

Application Manufacturer	:	**Qualcomm Atheros, Inc. 1700 Technology Drive, San Jose, CA95110**
Equipment	:	**Dual Band 2x2 MIMO 802.11ac/abgn WLAN plus BT**
Brand Name	:	**Qualcomm Atheros**
Model No.	:	**QCWB342**
FCC ID	:	**PPD-QCWB342**
IC ID	:	**4104A-QCWB342**
Standard	:	**47 CFR FCC Part 15.407 RSS-210 Issue 8**
Operating Band	:	**5150 MHz – 5250 MHz 5250 MHz – 5350 MHz 5470 MHz – 5725 MHz**

The product sample received on Feb. 20, 2013 and completely tested on May 17, 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:



Testing Laboratory
1190

Table of Contents

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	According to FCC 15.203	Complied
3.1	15.407(a) / RSS-210 A9.2	Emission Bandwidth	11a: 33.15 MHz HT20: 26.70 MHz HT40: 52.48 MHz VHT20: 25.27 MHz VHT40: 91.60 MHz VHT80: 109.30 MHz	Information only	Complied
3.13.2	15.407(a) / RSS-210 A9.2	Peak Power Spectral Density	5150-5250MHz: 3.86 dBm/MHz 5250-5350MHz: 8.12 dBm/MHz 5470-5725MHz: 8.09 dBm/MHz	5150-5250MHz:4 5250-5350MHz:11 5470-5725MHz:11	Complied
3.3	15.407(a) / RSS-210 A9.2	RF Output Power (Maximum Conducted Output Power)	5150-5250MHz: 16.37 dBm/MHz 5250-5350MHz: 18.08 dBm/MHz 5470-5725MHz: 18.30 dBm/MHz	5150-5250MHz:17 5250-5350MHz:24 5470-5725MHz:24	Complied
3.4	15.407(a)	Peak Excursion	9.36 dB	13 dB	Complied
3.5	15.407(b) / RSS-210 A9.2	Transmitter Band Edge Emissions	5350.00 MHz -27.08 dBm - PK -41.66 dBm - AV	According to FCC 15.209 / RSS-Gen 6.1	Complied
3.6	15.407(b) / RSS-210 A9.2	Transmitter Unwanted Emissions	10476.600 MHz -32.32 dBm - PK -42.50 dBm - AV	According to FCC 15.209 / RSS-Gen 6.1	Complied
3.7	15.207 / RSS-Gen 7.2.4	AC Power-line Conducted Emissions	17.110 MHz 36.91 dBuV - AV 42.70 dBuV - QP	According to 15.207 / RSS-Gen 7.2.4	Complied

Revision History

Report No.	Version	Description	Issued Date
FR322814AN	Rev. 01	Initial issue of report	May 24, 2013
FR322814AN	Rev. 02	Add channel (5610MHz) in Band 3 for IEEE 802.11 ac VHT80 to section 1.1.1 .	Jun. 05, 2013
FR322814AN	Rev. 03	Addition information operating passive scan frequency bands in clause 1.1.1.	Jul. 03, 2013

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Freq. (MHz)	Channel Number	Transmit Chains (N_{TX})	RF Output Power (dBm)	Co-location
5150-5250	a	5180, 5200, 5220, 5240	4	2	14.56	N/A
	n(HT20)	5180, 5200, 5220, 5240	4	2	15.29	N/A
	n(HT40)	5190, 5230	2	2	16.24	N/A
	ac(VHT20)	5180, 5200, 5220, 5240	4	2	15.31	N/A
	ac(VHT40)	5190, 5230	2	2	16.22	N/A
	ac(VHT80)	5210	1	2	12.50	N/A
5250-5350	a	5260, 5280, 5300, 5320	4	2	18.08	N/A
	n(HT20)	5260, 5280, 5300, 5320	4	2	17.14	N/A
	n(HT40)	5270, 5310	2	2	16.21	N/A
	ac(VHT20)	5260, 5280, 5300, 5320	4	2	17.23	N/A
	ac(VHT40)	5270, 5310	2	2	16.01	N/A
	ac(VHT80)	5290	1	2	11.43	N/A
5470-5725	a	5500, 5520, 5540, 5560, 5580, 5600, 5620, 5640, 5660, 5680, 5700, 5720	12	2	18.24	N/A
	n(HT20)	5500, 5520, 5540, 5560, 5580, 5600, 5620, 5640, 5660, 5680, 5700, 5720	12	2	17.24	N/A
	n(HT40)	5510, 5550, 5590, 5630, 5670, 5710	6	2	16.23	N/A
	ac(VHT20)	5500, 5520, 5540, 5560, 5580, 5600, 5620, 5640, 5660, 5680, 5700, 5720	12	2	17.18	N/A
	ac(VHT40)	5510, 5550, 5590, 5630, 5670, 5710	6	2	16.24	N/A
	ac(VHT80)	5530, 5610, 5690	3	2	14.05	N/A

Note 1: RF output power specifies these are Maximum Conducted Output Power.
Note 2: 802.11a/n uses a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
Note 3: 802.11ac uses a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
Note 4: Co-location, Co-location is generally defined as simultaneously transmitting (co-transmitting) antennas within 20 cm of each other. (i.e., EUT has simultaneously co-transmitting that operating 2.4GHz and 5GHz.
Note 5 : For FCC: The listed channels in the DFS band (5250~5350MHz and 5470~5725MHz) are passive scan only.
Note 6 : For IC: The listed channels in the DFS band (5250~5350MHz and 5470~5725MHz) are passive scan only. The device will not operate in 5600~5650MHz band.

1.1.2 WLAN/ BT coexistence mode

- 1X1 WLAN + BT: WLAN/BT concurrent at different antenna port and 18MHz separation between WLAN and BT fundamental.
- 2X2 WLAN + BT: 5GHz 802.11a/an (or 11ac) transmit concurrent with BT. - 2.4GHz WLAN + BT is timely shared coexistence.

1.1.3 Antenna Information

Antenna Category		
☒	External antenna (dedicated antennas)	
	☒ RF connector provided	
		☒ Unique antenna connector. (e.g., MMCX, U.FL, IPX, and RP-SMA, RP-N type…)
		☐ Standard antenna connector. (e.g., SMA, N, BNC, and TNC type…)

Antenna General Information			
No.	**Ant. Type**	**Frequency Band**	**Maximum Gain (dBi)**
1	PIFA	5150 MHz ~ 5250 MHz	3.08
		5250 MHz ~ 5350 MHz	3.08
		5470 MHz ~ 5725 MHz	4.76

Frequency Band (5250 MHz ~ 5350 MHz)						
Directional Gain (DG) Result						
Transmit Chains No.	1		2			
Maximum G_{ANT} (dBi)	3.08		3.08			
Modulation Mode	**N_{TX}**	**N_{SS} (Min.)**	**Array Gain (dB)**	**Power DG (dBi) Note[4]**	**Array Gain (dB)**	**PSD DG (dBi) Note[5]**
11a,6-54Mbps	2	1	0	3.08	3.01	6.09
HT20,M0-15	2	1	0	3.08	3.01	6.09
HT40,M0-M15	2	1	0	3.08	3.01	6.09
VHT20,M10-18	2	1	0	3.08	3.01	6.09
VHT40,M0-19	2	1	0	3.08	3.01	6.09
VHT80,M0-19	2	1	0	3.08	3.01	6.09

Note 1: For all transmitter outputs with equal antenna gains, directional gain is to be computed as follows:
Any transmit signals are correlated, Directional Gain = $G_{ANT} + 10 \log(N_{TX})$
All transmit signals are completely uncorrelated, Directional Gain = G_{ANT}
Note 2: For all transmitter outputs with unequal antenna gains, directional gain is to be computed as follows:
Any transmit signals are correlated, Directional Gain =$10 \log[(10^{G1/20} + \ldots + 10^{GN/20})^2 / N_{TX}]$
All transmit signals are completely uncorrelated, Directional Gain = $10 \log[(10^{G1/10} + \ldots + 10^{GN/10})/N_{TX}]$
Note 3: For Spatial Multiplexing, Directional Gain (DG) = $G_{ANT} + 10 \log(N_{TX}/N_{SS})$,
where Nss = the number of independent spatial streams data.
Note 4: 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 ≥ 40 MHz for any N_{TX};
Note 5: For power spectral density (PSD) measurements on all devices,
Array Gain = $10 \log(N_{ANT}/N_{SS})$ dB.

Frequency Band (5400 MHz ~ 5725 MHz)						
Directional Gain (DG) Result						
Transmit Chains No.	1		2			
Maximum G_{ANT} (dBi)	4.76		4.76			
Modulation Mode	**N_{TX}**	**N_{SS} (Min.)**	**Array Gain (dB)**	**Power DG (dBi) Note[4]**	**Array Gain (dB)**	**PSD DG (dBi) Note[5]**
11a,6-54Mbps	2	1	0	4.76	3.01	7.77
HT20,M0-15	2	1	0	4.76	3.01	7.77
HT40,M0-M15	2	1	0	4.76	3.01	7.77
VHT20,M10-18	2	1	0	4.76	3.01	7.77
VHT40,M0-19	2	1	0	4.76	3.01	7.77
VHT80,M0-19	2	1	0	4.76	3.01	7.77

Note 1: For all transmitter outputs with equal antenna gains, directional gain is to be computed as follows:
Any transmit signals are correlated, Directional Gain = $G_{ANT} + 10 \log(N_{TX})$
All transmit signals are completely uncorrelated, Directional Gain = G_{ANT}
Note 2: For all transmitter outputs with unequal antenna gains, directional gain is to be computed as follows:
Any transmit signals are correlated, Directional Gain =$10 \log[(10^{G1/20} + \ldots + 10^{GN/20})^2 / N_{TX}]$
All transmit signals are completely uncorrelated, Directional Gain = $10 \log[(10^{G1/10} + \ldots + 10^{GN/10})/N_{TX}]$
Note 3: For Spatial Multiplexing, Directional Gain (DG) = $G_{ANT} + 10 \log(N_{TX}/N_{SS})$,
where Nss = the number of independent spatial streams data.
Note 4: 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 ≥ 40 MHz for any N_{TX};
Note 5: For power spectral density (PSD) measurements on all devices,
Array Gain = $10 \log(N_{ANT}/N_{SS})$ dB.

1.1.4 Test Signal Duty Cycle

Operated Mode for Duty Cycle	
☐ Operated normally mode for duty cycle	
☒ Operated test mode for duty cycle	
Test Signal Duty Cycle (x)	**Power Duty Factor [dB] – (10 log 1/x)**
☒ 98.56% - IEEE 802.11a	0.06
☒ 98.45% - IEEE 802.11n (HT20)	0.07
☒ 96.97% - IEEE 802.11n (HT40)	0.13
☒ 98.26% - IEEE 802.11ac (VHT20)	0.08
☒ 98.58% - IEEE 802.11ac (VHT40)	0.06
☒ 94.12% - IEEE 802.11ac (VHT80)	0.26

1.1.5 EUT Operational Condition

Supply Voltage	☐ AC mains	☒ DC	
Type of DC Source	☐ Internal DC supply	☒ Host	☐ Battery

1.2 Support Equipment

Support Equipment - Conducted Emissions				
No.	**Equipment**	**Brand Name**	**Model Name**	**Serial No.**
1	Notebook	DELL	VOSTR3450	DoC
2	(USB) Mouse	Microsoft	1113	DoC
3	(USB) Printer	EPSON	C61	DoC
4	Bluetooth Earphone	SONY	HBH-PV702	--
5	Test Fixture	--	--	--
6	Wireless AP (Remote Workstation)	D-LINK	DNS-G120	DoC

Support Equipment - Radiated Emissions				
No.	**Equipment**	**Brand Name**	**Model Name**	**Serial No.**
1	Notebook	DELL	E5520	DoC
2	Test Fixture	--	--	--
3	50Ω Terminal	--	--	--

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 Subpar E 15.407
- RSS-210 Issue 8
- RSS-GEN Issue 3
- ANSI C63.10-2009
- FCC KDB 789033
- FCC KDB 662911
- FCC KDB 412172
- FCC KDB 644545 D01

1.4 Testing Location Information

Testing Location					
☒	HWA YA	ADD : No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C. TEL : 886-3-327-3456 FAX : 886-3-327-0973			
Test Condition		**Test Site No.**	**Test Engineer**	**Test Environment**	**Test Date**
AC Conduction		CO04-HY	Zeus	19.8°C / 61%	May 17, 2013
RF Conducted		TH01-HY	Ian	24.7°C / 64%	Apr. 24, 2013~ May 03, 2013
Radiated Emission		03CH02-HY	Hsiao	23.9°C / 64%	Apr. 26, 2013~ May 18, 2013

1.5 Measurement Uncertainty

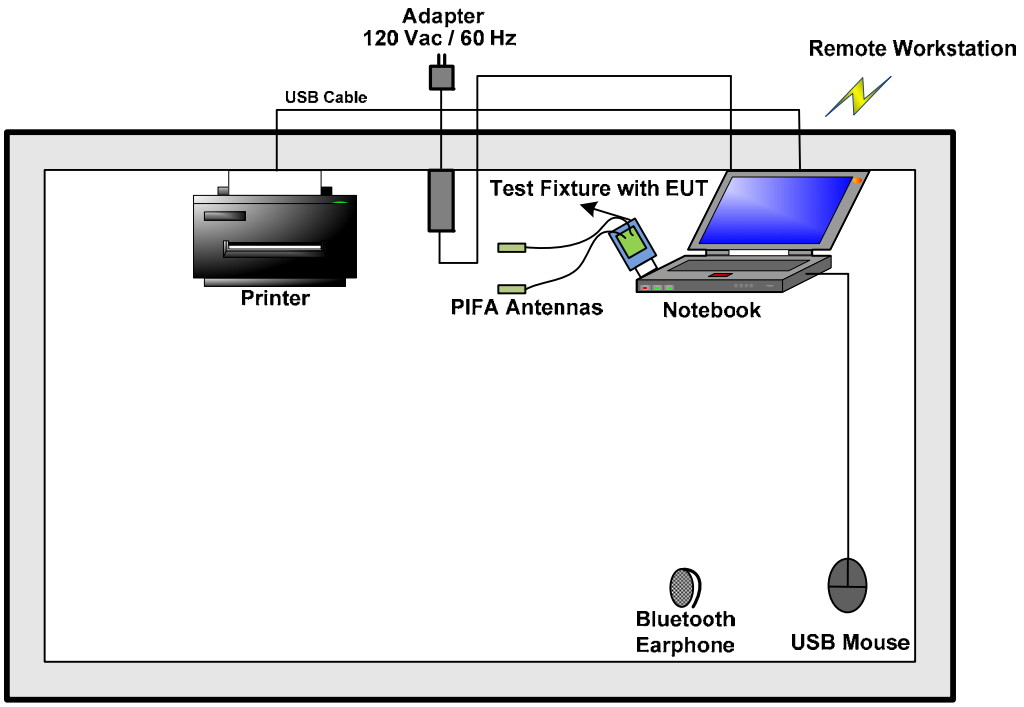
ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)

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

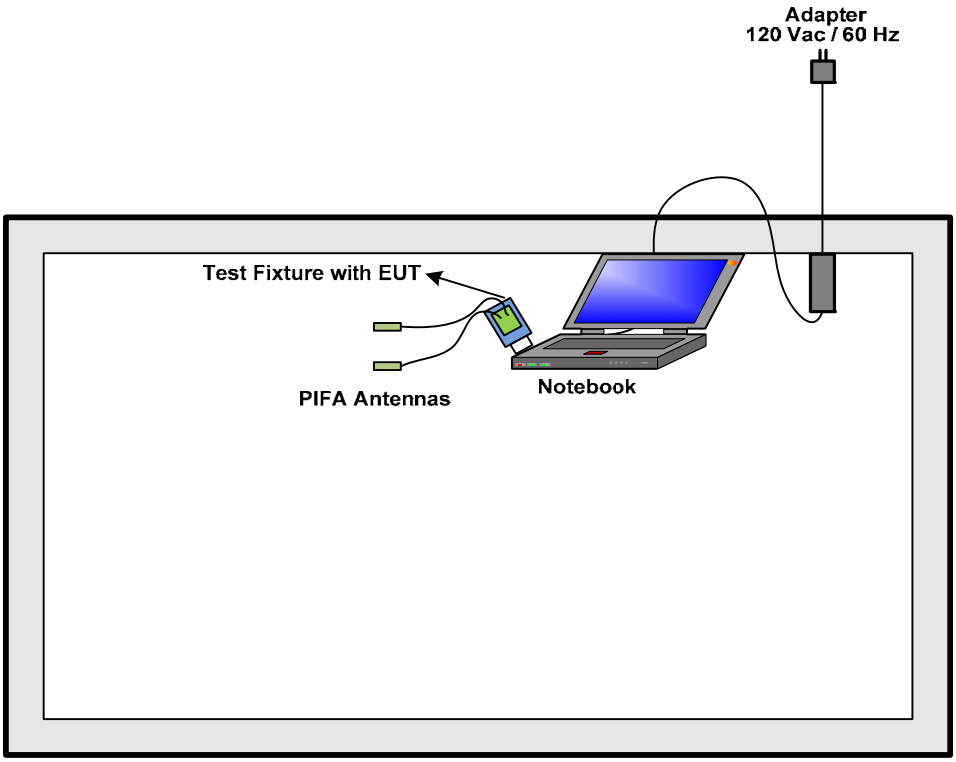
2 Test Configuration of EUT

2.1 Test Setup Diagram

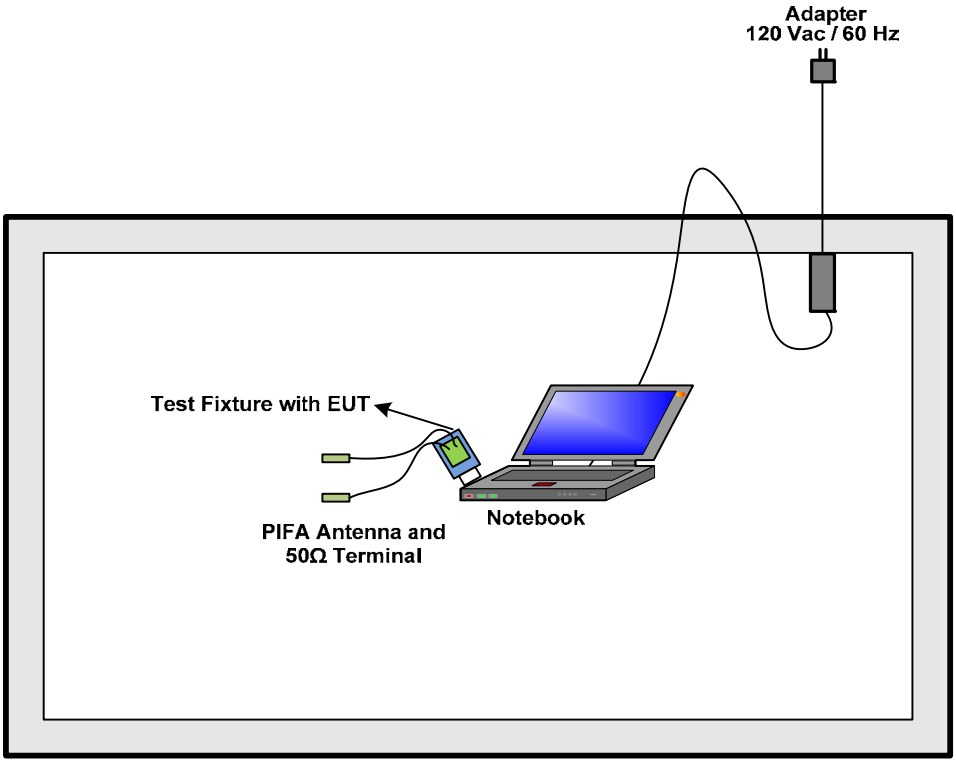
Test Setup Diagram – AC Line Conducted Emission Test



Test Setup Diagram - Radiated Test (Below 1GHz)



Test Setup Diagram - Radiated Test (Above 1GHz)



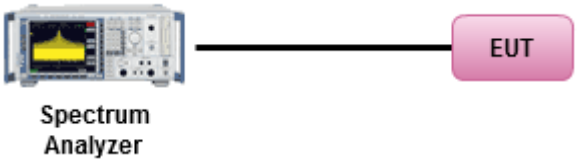
3 Transmitter Test Result

3.1 Emission Bandwidth

3.1.1 Test Procedures

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

3.1.2 Test Setup

Emission Bandwidth


3.1.3 Test Result of Emission Bandwidth

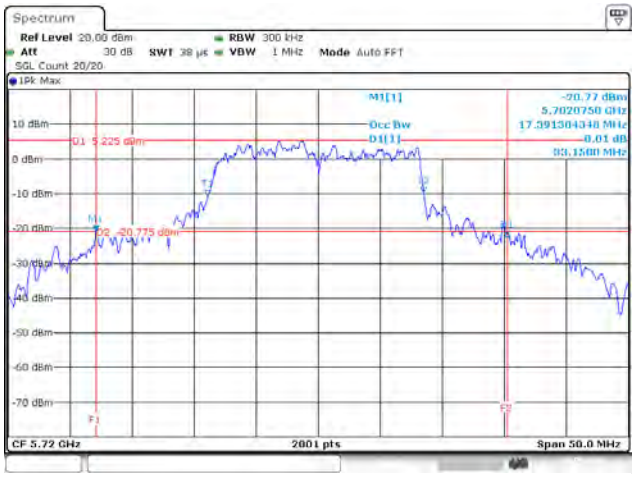
UNII Emission Bandwidth Result (5150-5250MHz band)								
Condition			Emission Bandwidth (MHz)					
Modulation Mode	N_{TX}	Freq. (MHz)	99% Bandwidth		26dB Bandwidth		Power Limit	
			Chain- Port 1	Chain- Port 2	Chain- Port 1	Chain- Port 2	99% BW	26dB BW
11a_6Mbps	2	5180	16.86	16.84	24.25	23.67	16.26	17.74
11a_6Mbps	2	5220	16.61	16.64	20.92	22.70	16.20	17.21
11a_6Mbps	2	5240	16.79	16.81	21.40	20.62	16.25	17.14
HT-20_MCS0	2	5180	18.11	17.71	23.47	23.32	16.48	17.68
HT-20_MCS0	2	5220	17.71	17.71	23.00	23.35	16.48	17.62
HT-20_MCS0	2	5240	17.94	18.04	23.35	23.90	16.54	17.68
HT-40_MCS0	2	5190	36.74	37.02	50.20	50.36	19.65	21.01
HT-40_MCS0	2	5230	36.94	36.82	49.64	50.48	19.66	20.96
VHT-20_MCS0	2	5180	18.09	18.06	24.72	25.20	16.57	17.93
VHT-20_MCS0	2	5220	17.69	17.64	22.37	22.80	16.46	17.50
VHT-20_MCS0	2	5240	17.86	17.96	23.92	23.17	16.52	17.65
VHT-40_MCS0	2	5190	37.06	36.98	50.60	49.76	19.68	20.97
VHT-40_MCS0	2	5230	36.78	37.06	48.12	48.92	19.66	20.82
VHT-80_MCS0	2	5210	76.04	76.28	102.24	101.36	22.81	24.06
Result			Complied					

UNII Emission Bandwidth Result (5250-5350MHz band)								
Condition			Emission Bandwidth (MHz)					
Modulation Mode	N_{TX}	Freq. (MHz)	99% Bandwidth		26dB Bandwidth		Power Limit	
			Chain- Port 1	Chain- Port 2	Chain- Port 1	Chain- Port 2	99% BW	26dB BW
11a_6Mbps	2	5260	16.71	17.01	26.35	25.60	23.23	25.08
11a_6Mbps	2	5300	17.39	17.19	28.17	26.82	23.35	25.28
11a_6Mbps	2	5320	17.66	18.49	29.85	29.70	23.47	25.73
HT-20_MCS0	2	5260	17.74	17.99	23.00	22.82	23.49	24.58
HT-20_MCS0	2	5300	17.96	17.96	25.15	25.10	23.54	25.00
HT-20_MCS0	2	5320	18.34	18.16	25.87	26.12	23.59	25.13
HT-40_MCS0	2	5270	37.10	37.02	51.92	52.40	26.68	28.15
HT-40_MCS0	2	5310	36.90	36.94	48.48	48.48	26.67	27.86
VHT-20_MCS0	2	5260	17.81	17.94	22.85	22.90	23.51	24.59
VHT-20_MCS0	2	5300	17.94	18.11	23.20	23.25	23.54	24.65
VHT-20_MCS0	2	5320	17.96	17.99	24.37	24.15	23.54	24.83
VHT-40_MCS0	2	5270	36.90	36.82	51.44	51.32	26.66	28.10
VHT-40_MCS0	2	5310	36.98	36.94	50.72	51.44	26.67	28.05
VHT-80_MCS0	2	5290	76.12	76.20	95.28	95.76	29.81	30.79
Result			Complied					

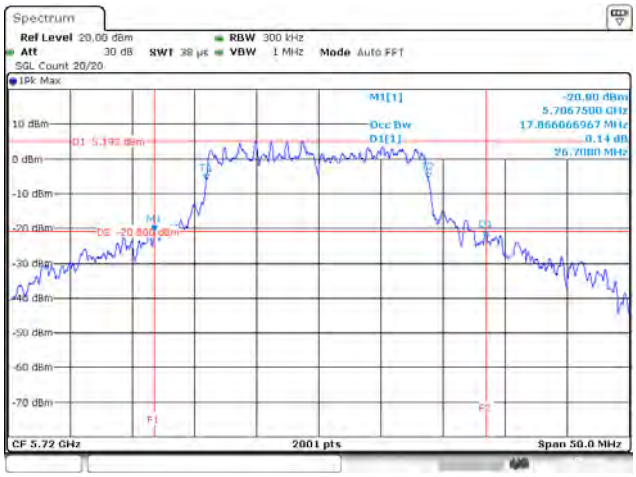
UNII Emission Bandwidth Result (5470-5725MHz band)								
Condition			Emission Bandwidth (MHz)					
Modulation Mode	N_{TX}	Freq. (MHz)	99% Bandwidth		26dB Bandwidth		Power Limit	
			Chain- Port 1	Chain- Port 2	Chain- Port 1	Chain- Port 2	99% BW	26dB BW
11a_6Mbps	2	5500	16.99	16.66	24.45	23.62	23.22	24.73
11a_6Mbps	2	5580	16.66	16.71	21.47	22.57	23.22	24.32
11a_6Mbps	2	5700	16.84	16.91	22.10	23.95	23.26	24.44
11a_6Mbps	2	5720	17.39	17.24	33.15	33.07	23.37	26.19
HT-20_MCS0	2	5500	17.66	18.09	23.62	23.90	23.47	24.73
HT-20_MCS0	2	5580	18.26	17.71	25.30	24.00	23.48	24.80
HT-20_MCS0	2	5700	17.99	17.89	24.25	24.77	23.53	24.85
HT-20_MCS0	2	5720	17.86	18.01	26.70	26.70	23.52	25.27
HT-40_MCS0	2	5510	36.78	36.74	47.88	48.36	26.65	27.80
HT-40_MCS0	2	5550	36.90	36.78	48.28	48.52	26.66	27.84
HT-40_MCS0	2	5670	36.82	36.86	51.04	51.48	26.66	28.08
HT-40_MCS0	2	5710	36.94	36.78	52.48	51.24	26.66	28.10
VHT-20_MCS0	2	5500	18.69	18.64	24.97	25.27	23.70	24.97
VHT-20_MCS0	2	5580	17.89	18.14	23.42	23.12	23.53	24.64
VHT-20_MCS0	2	5700	17.91	17.76	23.42	23.57	23.49	24.70
VHT-20_MCS0	2	5720	17.91	18.04	23.95	22.62	23.53	24.54
VHT-40_MCS0	2	5510	36.78	36.66	48.40	47.48	26.64	27.77
VHT-40_MCS0	2	5550	36.78	36.82	49.56	49.08	26.66	27.91
VHT-40_MCS0	2	5670	36.78	36.78	48.28	48.28	26.66	27.84
VHT-40_MCS0	2	5710	51.82	53.37	90.10	91.60	28.14	30.55
VHT-80_MCS0	2	5530	76.04	76.20	101.04	100.32	29.81	31.01
VHT-80_MCS0	2	5690	76.16	76.26	109.30	109.10	29.82	31.38
Result			Complied					

Worst Emission Bandwidth Plots

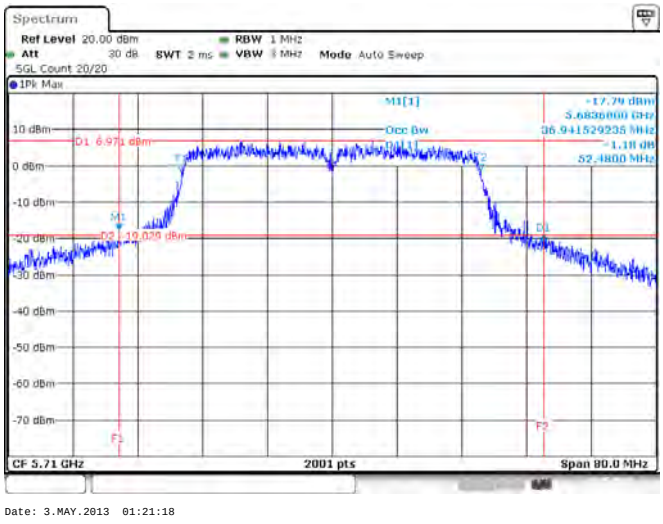
11a



HT20

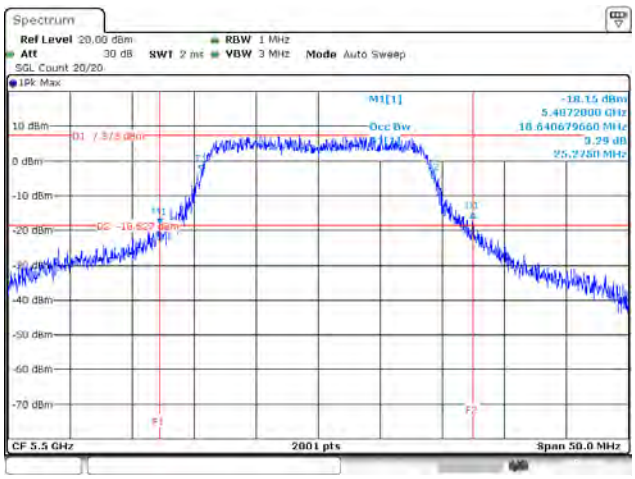


HT40



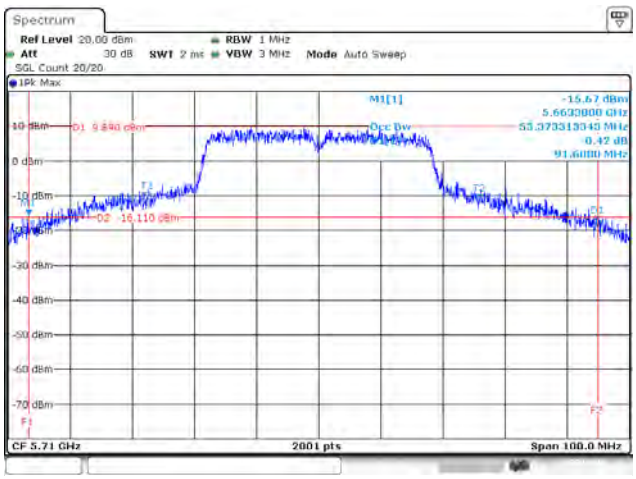
Worst Emission Bandwidth Plots

VHT20



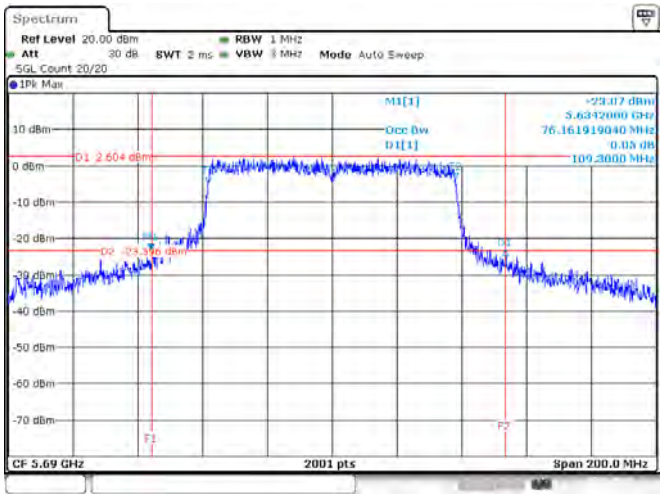
Date: 22.APR.2013 10:21:00

VHT40



Date: 24.APR.2013 15:40:37

VHT80



Date: 25.APR.2013 18:10:53

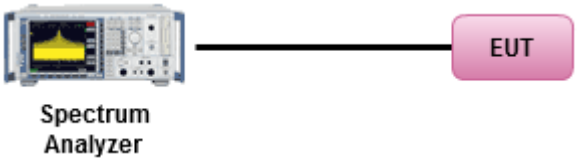
3.2 Peak Power Spectral Density

3.2.1 Test Procedures

Test Method		
☒	Peak power spectral density procedures that the same method as used to determine the conducted output power shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options:	
	☐	Refer as FCC KDB 789033, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth
	[duty cycle ≥ 98% or external video / power trigger]	
	☒	Refer as FCC KDB 789033, clause E Method SA-1 (spectral trace averaging).
	☐	Refer as FCC KDB 789033, clause E Method SA-1 Alt. (RMS detection with slow sweep speed)
	duty cycle < 98% and average over on/off periods with duty factor	
	☒	Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).
	☐	Refer as FCC KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
☒	For conducted measurement.	
	☐	The EUT supports single transmit chain and measurements performed on this transmit chain.
	☐	The EUT supports diversity transmitting and the results on transmit chain port 1 is the worst case.
	☒	The EUT supports multiple transmit chains using options given below:
		☒ Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
		☐ Option 2: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.
	☒	If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \ldots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$
	☒	Each individually PPSD plots refer as test report clause 3.3.5 with each individually PPSD plots.

3.2.2 Test Setup

Power Spectral Density

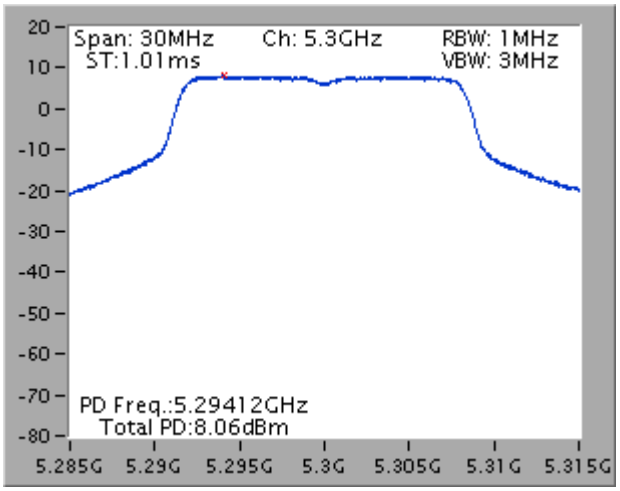
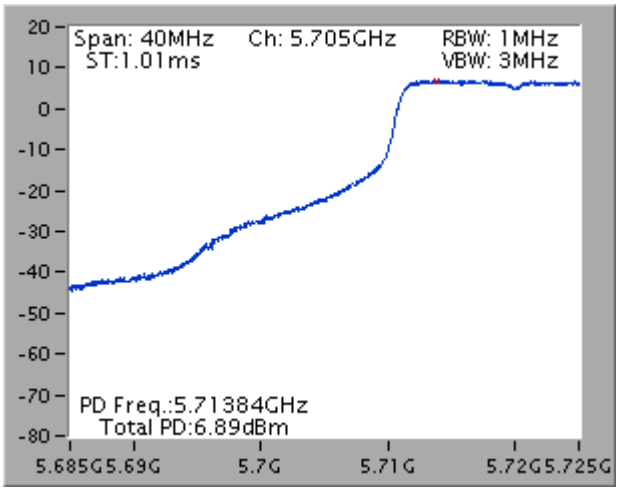
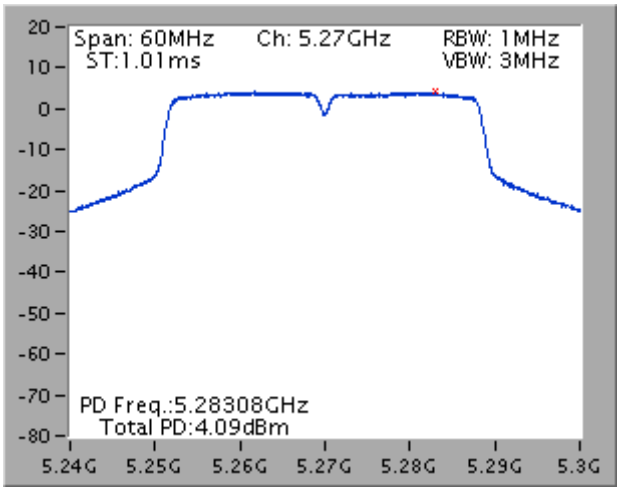


3.2.3 Test Result of Peak Power Spectral Density

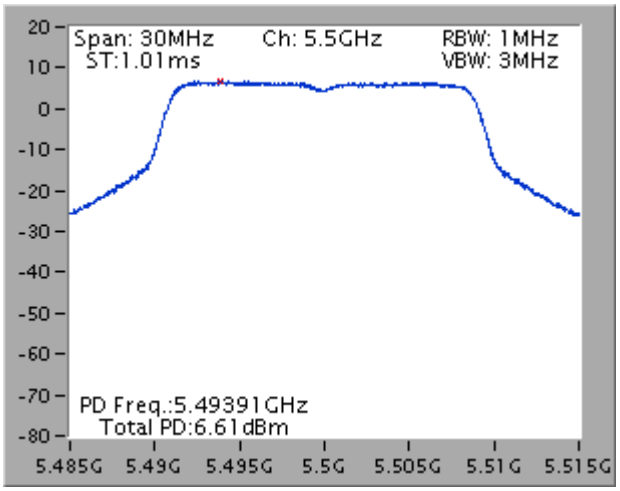
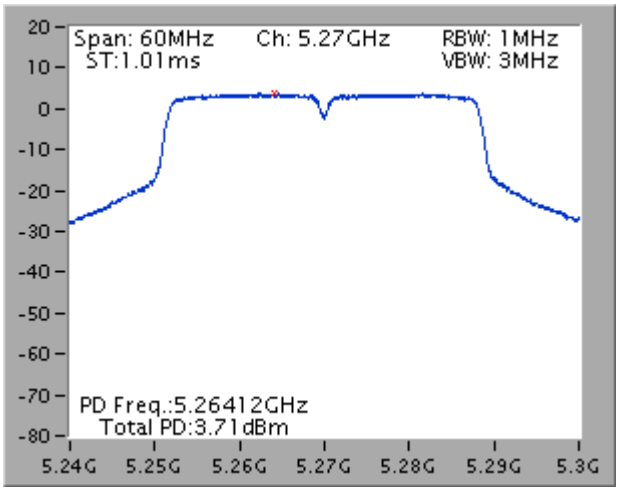
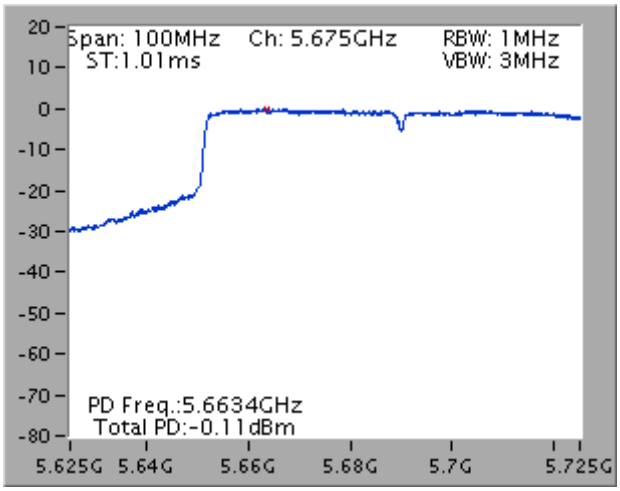
Peak Power Spectral Density Result (5150-5250MHz band)							
Condition			Peak Power Spectral Density (dBm/MHz)				
Modulation Mode	N_{TX}	Freq. (MHz)	Sum Chain	PSD Limit	DG (dBi)	EIRP PSD	EIRP Limit
11a_6Mbps	2	5180	3.32	3.91	6.09	9.41	10.00
11a_6Mbps	2	5220	3.37	3.91	6.09	9.46	10.00
11a_6Mbps	2	5240	3.86	3.91	6.09	9.95	10.00
HT-20_MCS0	2	5180	3.58	3.91	6.09	9.67	10.00
HT-20_MCS0	2	5220	3.85	3.91	6.09	9.94	10.00
HT-20_MCS0	2	5240	3.74	3.91	6.09	9.83	10.00
HT-40_MCS0	2	5190	1.03	3.91	6.09	7.12	10.00
HT-40_MCS0	2	5230	1.69	3.91	6.09	7.78	10.00
VHT-20_MCS0	2	5180	3.51	3.91	6.09	9.60	10.00
VHT-20_MCS0	2	5220	3.80	3.91	6.09	9.89	10.00
VHT-20_MCS0	2	5240	3.57	3.91	6.09	9.66	10.00
VHT-40_MCS0	2	5190	0.45	3.91	6.09	6.54	10.00
VHT-40_MCS0	2	5230	1.90	3.91	6.09	7.99	10.00
VHT-80_MCS0	2	5210	-5.29	3.91	6.09	0.80	10.00
Result			Complied				

Peak Power Spectral Density Result (5250-5350MHz band)							
Condition			Peak Power Spectral Density (dBm/MHz)				
Modulation Mode	N_{TX}	Freq. (MHz)	Sum Chain	PSD Limit	DG (dBi)	EIRP PSD	EIRP Limit
11a_6Mbps	2	5260	7.82	10.91	6.09	13.91	17.00
11a_6Mbps	2	5300	8.12	10.91	6.09	14.21	17.00
11a_6Mbps	2	5320	7.97	10.91	6.09	14.06	17.00
HT-20_MCS0	2	5260	6.45	10.91	6.09	12.54	17.00
HT-20_MCS0	2	5300	6.10	10.91	6.09	12.19	17.00
HT-20_MCS0	2	5320	6.04	10.91	6.09	12.13	17.00
HT-40_MCS0	2	5270	4.22	10.91	6.09	10.31	17.00
HT-40_MCS0	2	5310	-0.22	10.91	6.09	5.87	17.00
VHT-20_MCS0	2	5260	6.28	10.91	6.09	12.37	17.00
VHT-20_MCS0	2	5300	6.07	10.91	6.09	12.16	17.00
VHT-20_MCS0	2	5320	6.15	10.91	6.09	12.24	17.00
VHT-40_MCS0	2	5270	3.77	10.91	6.09	9.86	17.00
VHT-40_MCS0	2	5310	-0.21	10.91	6.09	5.88	17.00
VHT-80_MCS0	2	5290	-6.05	10.91	6.09	0.04	17.00
Result			Complied				

Peak Power Spectral Density Result (5470-5725MHz band)							
Condition			Peak Power Spectral Density (dBm/MHz)				
Modulation Mode	N_{TX}	Freq. (MHz)	Sum Chain	PSD Limit	DG (dBi)	EIRP PSD	EIRP Limit
11a_6Mbps	2	5500	7.19	9.23	7.77	14.96	17.00
11a_6Mbps	2	5580	7.34	9.23	7.77	15.11	17.00
11a_6Mbps	2	5700	6.92	9.23	7.77	14.69	17.00
11a_6Mbps	2	5720	8.09	9.23	7.77	15.86	17.00
HT-20_MCS0	2	5500	5.87	9.23	7.77	13.64	17.00
HT-20_MCS0	2	5580	6.71	9.23	7.77	14.48	17.00
HT-20_MCS0	2	5700	6.73	9.23	7.77	14.50	17.00
HT-20_MCS0	2	5720	6.96	9.23	7.77	14.73	17.00
HT-40_MCS0	2	5510	-1.38	9.23	7.77	6.39	17.00
HT-40_MCS0	2	5550	3.68	9.23	7.77	11.45	17.00
HT-40_MCS0	2	5670	3.31	9.23	7.77	11.08	17.00
HT-40_MCS0	2	5710	2.96	9.23	7.77	10.73	17.00
VHT-20_MCS0	2	5500	6.69	9.23	7.77	14.46	17.00
VHT-20_MCS0	2	5580	6.67	9.23	7.77	14.44	17.00
VHT-20_MCS0	2	5700	6.66	9.23	7.77	14.43	17.00
VHT-20_MCS0	2	5720	6.56	9.23	7.77	14.33	17.00
VHT-40_MCS0	2	5510	-2.13	9.23	7.77	5.64	17.00
VHT-40_MCS0	2	5550	3.41	9.23	7.77	11.18	17.00
VHT-40_MCS0	2	5670	3.40	9.23	7.77	11.17	17.00
VHT-40_MCS0	2	5710	3.29	9.23	7.77	11.06	17.00
VHT-80_MCS0	2	5530	-7.53	9.23	7.77	0.24	17.00
VHT-80_MCS0	2	5690	0.15	9.23	7.77	7.92	17.00
Result			Complied				

Worst Power Spectral Density Plots	
11a	**HT20**
	
HT40	
	

Note 1: Power Density Plots w/o Duty Factor

Worst Power Spectral Density Plots	
VHT20	VHT40
	
VHT80	
	

Note 1: Power Density Plots w/o Duty Factor

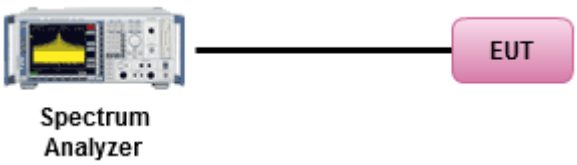
3.3 RF Output Power

3.3.1 Test Procedures

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

3.3.2 Test Setup

RF Output Power (Spectrum Analyzer)



3.3.3 Test Result of Maximum Average Conducted Output Power

Maximum Average Conducted Output Power (5150-5250MHz band)									
Condition			RF Output Power (dBm)						
Modulation Mode	N_{TX}	Freq. (MHz)	Chain Port 1	Chain Port 2	Sum Chain	Power Limit	DG (dBi)	EIRP Power	EIRP Limit
11a_6Mbps	2	5180	11.10	11.79	14.47	17.00	3.08	17.55	22.26
11a_6Mbps	2	5220	11.71	11.37	14.56	17.00	3.08	17.64	22.20
11a_6Mbps	2	5240	11.33	11.44	14.40	17.00	3.08	17.48	22.25
HT-20_MCS0	2	5180	11.76	12.42	15.11	17.00	3.08	18.19	22.48
HT-20_MCS0	2	5220	12.12	12.43	15.29	17.00	3.08	18.37	22.48
HT-20_MCS0	2	5240	11.95	12.13	15.05	17.00	3.08	18.13	22.54
HT-40_MCS0	2	5190	12.51	12.52	15.53	17.00	3.08	18.61	23.00
HT-40_MCS0	2	5230	13.30	13.15	16.24	17.00	3.08	19.32	23.00
VHT-20_MCS0	2	5180	11.72	12.02	14.88	17.00	3.08	17.96	22.57
VHT-20_MCS0	2	5220	12.30	12.31	15.31	17.00	3.08	18.39	22.46
VHT-20_MCS0	2	5240	12.33	11.49	14.94	17.00	3.08	18.02	22.52
VHT-40_MCS0	2	5190	11.90	12.31	15.12	17.00	3.08	18.20	23.00
VHT-40_MCS0	2	5230	13.38	13.02	16.22	17.00	3.08	19.30	23.00
VHT-80_MCS0	2	5210	9.58	9.40	12.50	17.00	3.08	15.58	23.00
Result			Complied						

Maximum Average Conducted Output Power (5250-5350MHz band)									
Condition			RF Output Power (dBm)						
Modulation Mode	N_{TX}	Freq. (MHz)	Chain Port 1	Chain Port 2	Sum Chain	Power Limit	DG (dBi)	EIRP Power	EIRP Limit
11a_6Mbps	2	5260	15.52	14.40	18.01	24.00	3.08	21.09	29.23
11a_6Mbps	2	5300	15.54	14.53	18.08	24.00	3.08	21.16	29.35
11a_6Mbps	2	5320	15.25	14.26	17.80	24.00	3.08	20.88	29.47
HT-20_MCS0	2	5260	14.58	13.49	17.08	24.00	3.08	20.16	29.49
HT-20_MCS0	2	5300	14.49	13.75	17.14	24.00	3.08	20.22	29.54
HT-20_MCS0	2	5320	14.42	13.69	17.08	24.00	3.08	20.16	29.59
HT-40_MCS0	2	5270	13.75	12.55	16.21	24.00	3.08	19.29	30.00
HT-40_MCS0	2	5310	11.89	10.77	14.38	24.00	3.08	17.46	30.00
VHT-20_MCS0	2	5260	14.63	13.56	17.13	24.00	3.08	20.21	29.51
VHT-20_MCS0	2	5300	14.69	13.69	17.23	24.00	3.08	20.31	29.54
VHT-20_MCS0	2	5320	14.63	13.76	17.22	24.00	3.08	20.30	29.54
VHT-40_MCS0	2	5270	13.42	12.52	16.01	24.00	3.08	19.09	30.00
VHT-40_MCS0	2	5310	12.84	11.86	15.39	24.00	3.08	18.47	30.00
VHT-80_MCS0	2	5290	8.61	8.21	11.43	24.00	3.08	14.51	30.00
Result			Complied						

Maximum Average Conducted Output Power (5470-5725MHz band)									
Condition			RF Output Power (dBm)						
Modulation Mode	N_{TX}	Freq. (MHz)	Chain Port 1	Chain Port 2	Sum Chain	Power Limit	DG (dBi)	EIRP Power	EIRP Limit
11a_6Mbps	2	5500	15.11	14.98	18.06	24.00	4.76	22.82	29.22
11a_6Mbps	2	5580	15.02	15.42	18.24	24.00	4.76	23.00	29.22
11a_6Mbps	2	5700	14.67	15.47	18.10	24.00	4.76	22.86	29.26
11a_6Mbps	2	5720	16.03	14.17	18.21	24.00	4.76	22.97	29.37
HT-20_MCS0	2	5500	14.01	14.03	17.03	24.00	4.76	21.79	29.47
HT-20_MCS0	2	5580	13.82	14.57	17.22	24.00	4.76	21.98	29.48
HT-20_MCS0	2	5700	13.77	14.48	17.15	24.00	4.76	21.91	29.53
HT-20_MCS0	2	5720	15.09	13.15	17.24	24.00	4.76	22.00	29.52
HT-40_MCS0	2	5510	9.89	9.99	12.95	24.00	4.76	17.71	30.00
HT-40_MCS0	2	5550	12.55	13.41	16.02	24.00	4.76	20.78	30.00
HT-40_MCS0	2	5670	12.85	13.23	16.06	24.00	4.76	20.82	30.00
HT-40_MCS0	2	5710	14.13	12.05	16.23	24.00	4.76	20.99	30.00
VHT-20_MCS0	2	5500	13.96	14.29	17.13	24.00	4.76	21.91	29.70
VHT-20_MCS0	2	5580	13.70	14.60	17.18	24.00	4.76	21.94	29.53
VHT-20_MCS0	2	5700	13.52	14.47	17.03	24.00	4.76	21.79	29.49
VHT-20_MCS0	2	5720	13.57	14.36	16.99	24.00	4.76	21.75	29.53
VHT-40_MCS0	2	5510	9.25	9.36	12.32	24.00	4.76	17.08	30.00
VHT-40_MCS0	2	5550	12.67	13.73	16.24	24.00	4.76	21.00	30.00
VHT-40_MCS0	2	5670	12.77	13.51	16.17	24.00	4.76	20.93	30.00
VHT-40_MCS0	2	5710	11.77	13.83	15.93	24.00	4.76	20.69	30.00
VHT-80_MCS0	2	5530	6.80	6.67	9.75	24.00	4.76	14.51	30.00
VHT-80_MCS0	2	5690	10.46	11.54	14.05	24.00	4.76	18.81	30.00
Result			Complied						

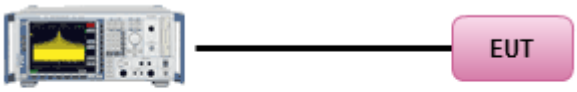
3.4 Peak Excursion

3.4.1 Test Procedures

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

3.4.2 Test Setup

Peak Excursion



3.4.3 Test Result of Peak Excursion

UNII Peak Excursion Result (5150-5250MHz band)								
Condition			Peak Excursion (dB)					
Modulation Mode	N_{TX}	Freq. (MHz)	BPSK	QPSK	16QAM	64QAM	256QAM	Limit
11a_6Mbps	2	5180	8.21	6.95	7.05	7.85	-	13.0
HT-20_MCS0	2	5180	7.98	7.65	7.82	8.20	-	13.0
HT-40_MCS0	2	5190	8.15	7.91	8.52	9.07	-	13.0
VHT-20_MCS0	2	5180	7.69	7.25	8.50	8.52	7.86	13.0
VHT-40_MCS0	2	5190	7.89	7.64	8.07	8.40	7.23	13.0
VHT-80_MCS0	2	5210	7.72	8.62	8.14	9.24	9.36	13.0
Result			Complied					

3.5 Transmitter Band Edge Emissions

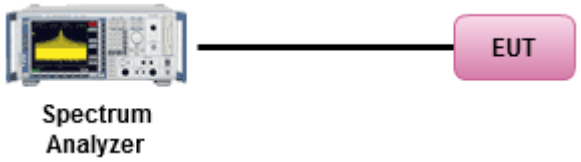
3.5.1 Test Procedures

Test Method		
☒	Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements). Measurements in the bandedge are typically made at a closer distance 1m, because the instrumentation noise floor is typically close to the radiated emission limit.	
☒	The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].	
☒	Refer as ANSI C63.10, clause 6.9.2.2 bandedge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
☐	If EUT operate in adjacent contiguous bands, bandedge testing performed at the lowest frequency channel at lower-band and highest frequency channel at higher-band. Transmitter in-band emissions will consist of adjacent contiguous bands (e.g., IEEE 802.11ac VHT160 The lowest frequency channel at lower-band and highest frequency channel at higher-band in-band emissions will consist of two adjacent contiguous bands.)	
	☐	Operating in 5.15-5.25 GHz band (lower-band) and 5.25-5.35 GHz band (higher-band).
	☐	Operating in 5.47-5.725 GHz band (lower-band) and 5.725-5.825 GHz band (higher-band).
☐	If EUT operate in individual non-contiguous bands, bandedge testing performed at the lowest frequency channel and highest frequency channel within lower-band and higher-band. (e.g., (e.g., IEEE 802.11ac VHT160)	
	☐	Operating in 5.25-5.35 GHz band (lower-band) and 5.47-5.725 GHz band (higher-band).
	☐	Operating in 5.15-5.25 GHz band (lower-band) and 5.725-5.825 GHz band (higher-band).
☒	For the transmitter unwanted emissions shall be measured using following options below:	
	☒	Refer as FCC KDB 789033, clause H)2) for unwanted emissions into non-restricted bands.
	☒	Refer as FCC KDB 789033, clause H)1) for unwanted emissions into restricted bands.
		☐ Refer as FCC KDB 789033, H)6) Method AD (Trace Averaging).
		☒ Refer as FCC KDB 789033, H)6) Method VB (Reduced VBW).
		☐ Refer as ANSI C63.10, clause 4.2.3.2.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.
		☐ Refer as ANSI C63.10, clause 4.2.3.2.4 average value of pulsed emissions.
		☒ Refer as FCC KDB 789033, clause H)5) measurement procedure peak limit.
		☐ Refer as ANSI C63.10, clause 4.2.3.2.2 measurement procedure peak limit.
☒	For the transmitter bandedge emissions shall be measured using following options below:	
	☐	Refer as FCC KDB 789033, clause H)3)d) for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).
	☒	Refer as ANSI C63.10, clause 6.9.2 for band-edge testing.
	☐	Refer as ANSI C63.10, clause 6.9.3 for marker-delta method for band-edge measurements.
☒	For radiated measurement, refer as ANSI C63.10, clause 6.5 for radiated emissions from above 1 GHz.	

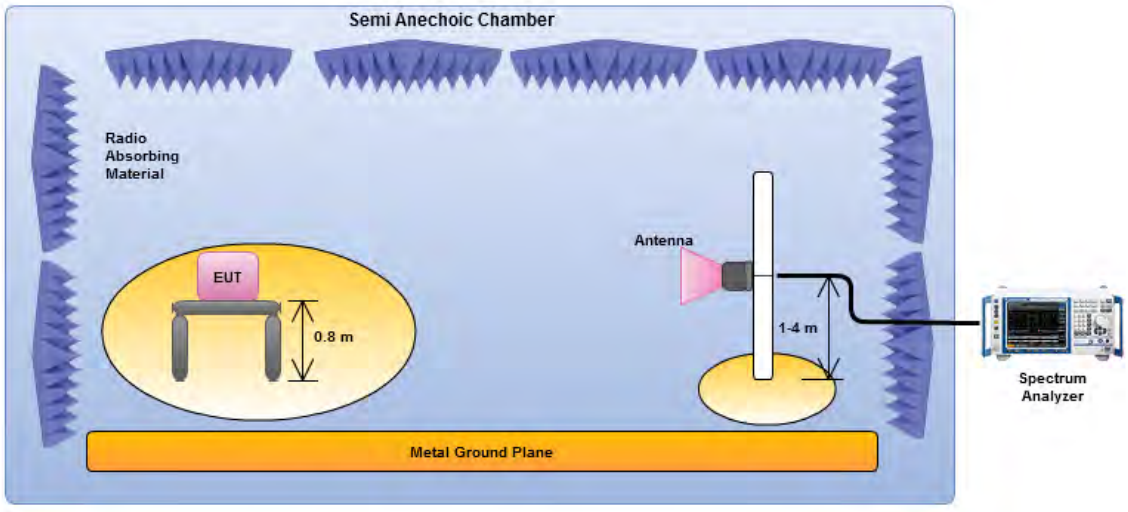
Test Method	
☒	For conducted and cabinet radiation measurement, refer as FCC KDB 789033, clause H)3).
☒	For conducted unwanted emissions into non-restricted bands (relative emission limits). Devices with multiple transmit chains: Refer as FCC KDB 662911, when testing out-of-band and spurious emissions 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.
☒	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
☒	For FCC KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred.

3.5.2 Test Setup

Transmitter Conducted Band Edge Emissions



Transmitter Radiated Band Edge Emissions



3.5.3 Test Result of Transmitter Conducted Band Edge Emissions-11a_6Mbps

Antenna-ports conducted measurements are used as an alternative to radiated measurements for demonstrating compliance in the restricted frequency bands; in the meanwhile, an additional radiated test with 50ohm terminator for cabinet spurious emission is also performed.

Transmitter Conducted Band Edge Emissions (5150-5250MHz band)						
Modulation	11a_6Mbps	**Test Frequency**	5180 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
5145.10	-	-	6.09	-32.00	-21.2	Peak
5150.00	-	-	6.09	-44.65	-41.2	Average

Transmitter Radiated Band Edge Emissions (5150-5250MHz band)	
Operating Mode	11a_6Mbps

5180MHz

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	5147.900	76.20	-7.34	83.54	37.37	34.46	4.37	0.00	Peak	---	---
2 @	5177.500	118.66			79.79	34.47	4.40	0.00	Peak	---	---
1 @	5150.000	60.63	-2.91	63.54	21.80	34.46	4.37	0.00	Average	---	---
2 @	5183.900	107.36			68.49	34.47	4.40	0.00	Average	---	---

The item 2 is Fundamental Emissions.

Note:
Emission level (dBuV/m) = 20 log Emission level (uV/m).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Transmitter Conducted Band Edge Emissions (5250-5350MHz band)						
Modulation	11a_6Mbps	**Test Frequency**	5260 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
5353.25	-	-	6.09	-27.08	-21.2	Peak
5350.00	-	-	6.09	-41.66	-41.2	Average

Transmitter Radiated Band Edge Emission (5250-5350MHz band)	
Operating Mode	11a_6Mbps

5320 MHz

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	5316.090	120.94			81.85	34.53	4.56	0.00	Peak	---	---
2	5350.010	78.84	-4.70	83.54	39.71	34.54	4.59	0.00	Peak	---	---
1 @	5316.860	109.54			70.45	34.53	4.56	0.00	Average	---	---
2 @	5350.000	61.64	-1.90	63.54	22.51	34.54	4.59	0.00	Average	---	---

The item 1 is Fundamental Emissions.

Note:
Emission level (dBuV/m) = 20 log Emission level (uV/m).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Transmitter Conducted Band Edge Emissions (5470-5725MHz band)						
Modulation	11a_6Mbps	**Test Frequency**	5500 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
5469.85	-	-	7.77	-25.97 Note[1]	-21.2	Peak
5469.60	-	-	7.77	-38.43 Note[1]	-41.2	Average
Note[1]: Using conducted method with composite antenna gain to test unwanted emissions in restricted bands may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance was demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred. The result does show it is compliant. Please refer to radiated section.						

Transmitter Conducted Band Edge Emissions (5470-5725MHz band)						
Modulation	11a_6Mbps	**Test Frequency**	5700 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
5727.40	-	-	7.77	-28.15	-21.2	Peak
5725.00	-	-	7.77	-42.40	-41.2	Average

Transmitter Radiated Band Edge Emissions (5470-5725MHz band)

Operating Mode	11a_6Mbps

5500MHz

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	5466.640	79.58	-3.96	83.54	40.28	34.59	4.71	0.00	Peak	---	---
2 @	5494.160	121.86			82.56	34.59	4.71	0.00	Peak	---	---
1 @	5469.280	62.15	-1.39	63.54	22.85	34.59	4.71	0.00	Average	---	---
2 @	5493.600	110.65			71.35	34.59	4.71	0.00	Average	---	---

The item 2 is Fundamental Emissions.

5700 MHz

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	5704.280	118.64			78.93	34.72	4.99	0.00	Peak	---	---
2 @	5727.320	76.29	-1.55	77.84	36.57	34.73	4.99	0.00	Peak	---	---
1 @	5705.540	107.40			67.69	34.72	4.99	0.00	Average	---	---
2	5725.400	58.22	-19.62	77.84	18.50	34.73	4.99	0.00	Average	---	---

The item 1 is Fundamental Emissions.

Note:
Emission level (dBuV/m) = 20 log Emission level (uV/m).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

3.5.4 Test Result of Transmitter Conducted Band Edge Emissions-HT-20_MCS0

Antenna-ports conducted measurements are used as an alternative to radiated measurements for demonstrating compliance in the restricted frequency bands; in the meanwhile, an additional radiated test with 50ohm terminator for cabinet spurious emission is also performed.

Transmitter Conducted Band Edge Emissions (5150-5250MHz band)						
Modulation	HT-20_MCS0	**Test Frequency**	5180 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
5149.45	-	-	6.09	-30.31	-21.2	Peak
5150.00	-	-	6.09	-42.42	-41.2	Average

Transmitter Radiated Band Edge Emissions (5150-5250MHz band)	
Operating Mode	HT-20_MCS0

5180MHz

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	5149.500	80.28	-3.26	83.54	41.45	34.46	4.37	0.00	Peak	---	---
2 @	5182.600	120.62			81.75	34.47	4.40	0.00	Peak	---	---
1 @	5149.900	61.92	-1.62	63.54	23.09	34.46	4.37	0.00	Average	---	---
2 @	5183.900	108.96			70.09	34.47	4.40	0.00	Average	---	---

The item 2 is Fundamental Emissions.

Note:
Emission level (dBuV/m) = 20 log Emission level (uV/m).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Transmitter Conducted Band Edge Emissions (5250-5350MHz band)						
Modulation	HT-20_MCS0	**Test Frequency**	5320 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
5352.00	-	-	6.09	-28.24	-21.2	Peak
5350.20	-	-	6.09	-43.03	-41.2	Average

Transmitter Radiated Band Edge Emissions (5250-5350MHz band)	
Operating Mode	HT-20_MCS0

5320 MHz

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	5325.540	123.32			84.23	34.53	4.56	0.00	Peak	---	---
2 @	5357.180	78.55	-4.99	83.54	39.42	34.54	4.59	0.00	Peak	---	---
1 @	5324.490	111.39			72.30	34.53	4.56	0.00	Average	---	---
2 @	5350.000	62.05	-1.49	63.54	22.92	34.54	4.59	0.00	Average	---	---

The item 1 is Fundamental Emissions.

Note:
Emission level (dBuV/m) = 20 log Emission level (uV/m).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Transmitter Conducted Band Edge Emissions (5470-5725MHz band)						
Modulation	HT-20_MCS0	**Test Frequency**	5500 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
5465.55	-	-	7.77	-26.30 Note[1]	-21.2	Peak
5470.00	-	-	7.77	-39.59 Note[1]	-41.2	Average
Note[1]: Using conducted method with composite antenna gain to test unwanted emissions in restricted bands may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance was demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred. The result does show it is compliant. Please refer to radiated section.						

Transmitter Conducted Band Edge Emissions (5470-5725MHz band)						
Modulation	HT-20_MCS0	**Test Frequency**	5700 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
5725.10	-	-	7.77	-26.02 Note[1]	-21.2	Peak
5725.00	-	-	7.77	-40.83 Note[1]	-41.2	Average
Note[1]: Using conducted method with composite antenna gain to test unwanted emissions in restricted bands may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance was demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred. The result does show it is compliant. Please refer to radiated section.						

Transmitter Radiated Band Edge Emissions (5470-5725MHz band)	
Operating Mode	HT-20_MCS0

5500MHz

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	5469.520	78.15	-5.39	83.54	38.85	34.59	4.71	0.00	Peak	---	---
2 @	5495.120	121.73			82.43	34.59	4.71	0.00	Peak	---	---
1 @	5470.000	61.90	-1.64	63.54	22.60	34.59	4.71	0.00	Average	---	---
2 @	5496.080	110.15			70.85	34.59	4.71	0.00	Average	---	---

The item 2 is Fundamental Emissions.

5700 MHz

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	5703.800	119.30	41.46	77.84	79.59	34.72	4.99	0.00	Peak	---	---
2 @	5728.820	76.78			37.06	34.73	4.99	0.00	Peak	---	---
1 @	5705.960	107.78	29.94	77.84	68.07	34.72	4.99	0.00	Average	---	---
2	5725.000	59.95			20.23	34.73	4.99	0.00	Average	---	---

The item 2 is Fundamental Emissions.

Note:
Emission level (dBuV/m) = 20 log Emission level (uV/m).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

3.5.5 Test Result of Transmitter Conducted Band Edge Emissions-HT-40_MCS0

Antenna-ports conducted measurements are used as an alternative to radiated measurements for demonstrating compliance in the restricted frequency bands; in the meanwhile, an additional radiated test with 50ohm terminator for cabinet spurious emission is also performed.

Transmitter Conducted Band Edge Emissions (5150-5250MHz band)						
Modulation	HT-40_MCS0	**Test Frequency**	5190 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
5146.10	-	-	6.09	-21.79 Note[1]	-21.2	Peak
5149.90	-	-	6.09	-33.46 Note[1]	-41.2	Average

Note[1]: Using conducted method with composite antenna gain to test unwanted emissions in restricted bands may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance was demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred. The result does show it is compliant. Please refer to radiated section.

Transmitter Radiated Band Edge Emissions (5150-5250MHz band)	
Operating Mode	HT-40_MCS0

5190MHz

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	5149.610	78.65	-4.89	83.54	39.82	34.46	4.37	0.00	Peak	---	---
2 @	5183.820	112.07			73.20	34.47	4.40	0.00	Peak	---	---
1	5150.000	62.50	-1.04	63.54	23.67	34.46	4.37	0.00	Average	---	---
2 X	5187.780	99.62			60.75	34.47	4.40	0.00	Average	---	---

The item 2 is Fundamental Emissions.

Note:
Emission level (dBuV/m) = 20 log Emission level (uV/m).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Transmitter Conducted Band Edge Emissions (5250-5350MHz band)						
Modulation	HT-40_MCS0	**Test Frequency**	5310 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
5350.20	-	-	6.09	-26.23 Note[1]	-21.2	Peak
5350.15	-	-	6.09	-38.36 Note[1]	-41.2	Average

Note[1]: Using conducted method with composite antenna gain to test unwanted emissions in restricted bands may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance was demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred. The result does show it is compliant. Please refer to radiated section.

Transmitter Radiated Band Edge Emissions (5250-5350MHz band)	
Operating Mode	HT-40_MCS0

5310 MHz

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	5317.990	113.94			74.85	34.53	4.56	0.00	Peak	---	---
2	5350.660	76.11	-7.43	83.54	36.98	34.54	4.59	0.00	Peak	---	---
1 @	5297.110	101.65			62.61	34.52	4.52	0.00	Average	---	---
2 @	5350.030	61.98	-1.56	63.54	22.85	34.54	4.59	0.00	Average	---	---

The item 1 is Fundamental Emissions.

Note:
Emission level (dBuV/m) = 20 log Emission level (uV/m).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Transmitter Conducted Band Edge Emissions (5470-5725MHz band)						
Modulation	HT-40_MCS0	**Test Frequency**	5510 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
5469.50	-	-	7.77	-24.03 Note[1]	-21.2	Peak
5469.95	-	-	7.77	-36.14 Note[1]	-41.2	Average
Note[1]: Using conducted method with composite antenna gain to test unwanted emissions in restricted bands may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance was demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred. The result does show it is compliant. Please refer to radiated section.						

Transmitter Conducted Band Edge Emissions (5470-5725MHz band)						
Modulation	HT-40_MCS0	**Test Frequency**	5670 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
5727.75	-	-	7.77	-29.41	-21.2	Peak
5725.15	-	-	7.77	-43.34	-41.2	Average

Transmitter Radiated Band Edge Emissions (5470-5725MHz band)

Operating Mode	HT-40_MCS0

5510MHz

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	5469.500	76.80	-6.74	83.54	37.50	34.59	4.71	0.00	Peak	---	---
2 @	5507.400	112.56			73.21	34.60	4.75	0.00	Peak	---	---
1 @	5469.500	62.51	-1.03	63.54	23.21	34.59	4.71	0.00	Average	---	---
2 @	5494.600	100.56			61.26	34.59	4.71	0.00	Average	---	---

The item 2 is Fundamental Emissions.

5670 MHz

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	5664.700	117.53	-----	-----	77.89	34.69	4.95	0.00	Peak	---	---
2 @	5726.200	76.22	-1.62	77.84	36.50	34.73	4.99	0.00	Peak	---	---
1 @	5663.500	105.22			65.58	34.69	4.95	0.00	Average	---	---
2	5725.000	58.32	-19.52	77.84	18.60	34.73	4.99	0.00	Average	---	---

The item 1 is Fundamental Emissions.

Note:
Emission level (dBuV/m) = 20 log Emission level (uV/m).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

3.5.6 Test Result of Transmitter Conducted Band Edge Emissions-VHT-20_MCS0

Antenna-ports conducted measurements are used as an alternative to radiated measurements for demonstrating compliance in the restricted frequency bands; in the meanwhile, an additional radiated test with 50ohm terminator for cabinet spurious emission is also performed.

Transmitter Conducted Band Edge Emissions (5150-5250MHz band)						
Modulation	VHT-20_MCS0	**Test Frequency**	5180 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
5149.05	-	-	6.09	-28.12 Note[1]	-21.2	Peak
5149.35	-	-	6.09	-41.18 Note[1]	-41.2	Average
Note[1]: Using conducted method with composite antenna gain to test unwanted emissions in restricted bands may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance was demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred. The result does show it is compliant. Please refer to radiated section.						

Transmitter Radiated Band Edge Emissions (5150-5250MHz band)	
Operating Mode	VHT-20_MCS0

5180MHz

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	5148.700	78.16	-5.38	83.54	39.33	34.46	4.37	0.00	Peak	---	---
2 @	5184.700	120.16			81.29	34.47	4.40	0.00	Peak	---	---
1 @	5149.900	61.73	-1.81	63.54	22.90	34.46	4.37	0.00	Average	---	---
2 @	5187.000	108.76			69.89	34.47	4.40	0.00	Average	---	---

The item 2 is Fundamental Emissions.

Note:
Emission level (dBuV/m) = 20 log Emission level (uV/m).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Transmitter Conducted Band Edge Emissions (5250-5350MHz band)						
Modulation	VHT-20_MCS0	**Test Frequency**	5320 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
5350.20	-	-	6.09	-27.90	-21.2	Peak
5351.25	-	-	6.09	-43.49	-41.2	Average

Transmitter Radiated Band Edge Emissions (5250-5350MHz band)	
Operating Mode	VHT-20_MCS0

5320 MHz

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	5317.140	123.10			84.01	34.53	4.56	0.00	Peak	---	---
2 @	5350.810	79.94	-3.60	83.54	40.81	34.54	4.59	0.00	Peak	---	---
1 @	5316.650	111.30			72.21	34.53	4.56	0.00	Average	---	---
2 @	5350.000	61.86	-1.68	63.54	22.73	34.54	4.59	0.00	Average	---	---

The item 1 is Fundamental Emissions.

Note:
Emission level (dBuV/m) = 20 log Emission level (uV/m).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Transmitter Conducted Band Edge Emissions (5470-5725MHz band)						
Modulation	VHT-20_MCS0	**Test Frequency**	5500 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
5470.00	-	-	7.77	-25.11 Note[1]	-21.2	Peak
5469.50	-	-	7.77	-37.18 Note[1]	-41.2	Average
Note[1]: Using conducted method with composite antenna gain to test unwanted emissions in restricted bands may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance was demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred. The result does show it is compliant. Please refer to radiated section.						

Transmitter Conducted Band Edge Emissions (5470-5725MHz band)						
Modulation	VHT-20_MCS0	**Test Frequency**	5700 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
5725.40	-	-	7.77	-27.71	-21.2	Peak
5725.05	-	-	7.77	-42.10	-41.2	Average

Transmitter Radiated Band Edge Emissions (5470-5725MHz band)

Operating Mode	VHT-20_MCS0

5500MHz

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	5464.080	78.30	-5.24	83.54	39.04	34.59	4.67	0.00	Peak	---	---
2 @	5496.160	122.01			82.71	34.59	4.71	0.00	Peak	---	---
1 @	5464.080	78.30	-5.24	83.54	39.04	34.59	4.67	0.00	Peak	---	---
2 @	5496.160	122.01			82.71	34.59	4.71	0.00	Peak	---	---

The item 2 is Fundamental Emissions.

5700 MHz

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	5703.620	119.44			79.73	34.72	4.99	0.00	Peak	---	---
2 @	5725.940	76.62	-1.22	77.84	36.90	34.73	4.99	0.00	Peak	---	---
1 @	5703.080	107.84			68.13	34.72	4.99	0.00	Average	---	---
2	5725.000	59.99	-17.85	77.84	20.27	34.73	4.99	0.00	Average	---	---

The item 1 is Fundamental Emissions.

Note:
Emission level (dBuV/m) = 20 log Emission level (uV/m).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

3.5.7 Test Result of Transmitter Conducted Unwanted Emissions-VHT-40_MCS0

Antenna-ports conducted measurements are used as an alternative to radiated measurements for demonstrating compliance in the restricted frequency bands; in the meanwhile, an additional radiated test with 50ohm terminator for cabinet spurious emission is also performed.

Transmitter Conducted Band Edge Emissions (5150-5250MHz band)						
Modulation	VHT-40_MCS0	**Test Frequency**	5190 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
5148.60	-	-	6.09	-21.27 Note[1]	-21.2	Peak
5150.00	-	-	6.09	-32.53 Note[1]	-41.2	Average
Note[1]: Using conducted method with composite antenna gain to test unwanted emissions in restricted bands may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance was demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred. The result does show it is compliant. Please refer to radiated section.						

Transmitter Radiated Band Edge Emissions (5150-5250MHz band)	
Operating Mode	VHT-40_MCS0

5190MHz

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	5148.730	76.59	-6.95	83.54	37.76	34.46	4.37	0.00	Peak	---	---
2 @	5178.100	112.05			73.18	34.47	4.40	0.00	Peak	---	---
1 @	5149.940	62.40	-1.14	63.54	23.57	34.46	4.37	0.00	Average	---	---
2 @	5177.330	100.09			61.22	34.47	4.40	0.00	Average	---	---

The item 2 is Fundamental Emissions.

Note:
Emission level (dBuV/m) = 20 log Emission level (uV/m).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Transmitter Conducted Band Edge Emissions (5250-5350MHz band)						
Modulation	VHT-40_MCS0	**Test Frequency**	5310 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
5351.45	-	-	6.09	-26.68 Note[1]	-21.2	Peak
5350.10	-	-	6.09	-38.19 Note[1]	-41.2	Average

Note[1]: Using conducted method with composite antenna gain to test unwanted emissions in restricted bands may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance was demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred. The result does show it is compliant. Please refer to radiated section.

Transmitter Radiated Band Edge Emissions (5250-5350MHz band)	
Operating Mode	VHT-40_MCS0

5310 MHz

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	5320.510	113.05			73.96	34.53	4.56	0.00	Peak	---	---
2	5351.020	76.08	-7.46	83.54	36.95	34.54	4.59	0.00	Peak	---	---
1 @	5325.550	100.69			61.60	34.53	4.56	0.00	Average	---	---
2 @	5350.000	61.37	-2.17	63.54	22.24	34.54	4.59	0.00	Average	---	---

The item 1 is Fundamental Emissions.

Note:
Emission level (dBuV/m) = 20 log Emission level (uV/m).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Transmitter Conducted Band Edge Emissions (5470-5725MHz band)						
Modulation	VHT-40_MCS0	**Test Frequency**	5510 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
5468.45	-	-	7.77	-24.74 Note[1]	-21.2	Peak
5469.25	-	-	7.77	-36.16 Note[1]	-41.2	Average

Note[1]: Using conducted method with composite antenna gain to test unwanted emissions in restricted bands may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance was demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred. The result does show it is compliant. Please refer to radiated section.

Transmitter Conducted Band Edge Emissions (5470-5725MHz band)						
Modulation	VHT-40_MCS0	**Test Frequency**	5670 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
5728.65	-	-	7.77	-28.88	-21.2	Peak
5725.15	-	-	7.77	-41.91	-41.2	Average

Transmitter Radiated Band Edge Emissions (5470-5725MHz band)

Operating Mode	VHT-40_MCS0

5510MHz

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	5469.800	77.31	-6.23	83.54	38.01	34.59	4.71	0.00	Peak	---	---
2 @	5508.300	113.11			73.76	34.60	4.75	0.00	Peak	---	---
1 @	5470.000	62.52	-1.02	63.54	23.22	34.59	4.71	0.00	Average	---	---
2 @	5496.600	100.77			61.46	34.60	4.71	0.00	Average	---	---

The item 2 is Fundamental Emissions.

5670 MHz

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	5664.200	117.74			78.10	34.69	4.95	0.00	Peak	---	---
2 @	5725.500	75.89	-1.95	77.84	36.17	34.73	4.99	0.00	Peak	---	---
1 @	5681.800	105.20			65.55	34.70	4.95	0.00	Average	---	---
2	5725.000	58.31	-19.53	77.84	18.59	34.73	4.99	0.00	Average	---	---

The item 1 is Fundamental Emissions.

Note:
Emission level (dBuV/m) = 20 log Emission level (uV/m).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

3.5.8 Test Result of Transmitter Conducted Unwanted Emissions-VHT-80_MCS0

Antenna-ports conducted measurements are used as an alternative to radiated measurements for demonstrating compliance in the restricted frequency bands; in the meanwhile, an additional radiated test with 50ohm terminator for cabinet spurious emission is also performed.

Transmitter Conducted Band Edge Emissions (5150-5250MHz band)						
Modulation	VHT-80_MCS0	**Test Frequency**	5210 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
5139.00	-	-	6.09	-21.77 Note[1]	-21.2	Peak
5149.65	-	-	6.09	-33.59 Note[1]	-41.2	Average
10458.30	-43.85	-42.07	7.77	-32.10	-21.2	Peak
10466.40	-53.69	-53.69	7.77	-42.92	-41.2	Average
Note[1]: Using conducted method with composite antenna gain to test unwanted emissions in restricted bands may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance was demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred. The result does show it is compliant. Please refer to radiated section.						

Transmitter Radiaed Band Edge Emissions (5150-5250MHz band)	
Operating Mode	VHT-80_MCS0

5210MHz

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	5148.900	76.22	-7.32	83.54	37.39	34.46	4.37	0.00	Peak	---	---
2 @	5199.000	105.59			66.67	34.48	4.44	0.00	Peak	---	---
3	5388.600	69.86	-13.68	83.54	30.68	34.55	4.63	0.00	Peak	---	---
1 @	5150.000	61.69	-1.85	63.54	22.86	34.46	4.37	0.00	Average	---	---
2 @	5241.000	91.71			52.74	34.49	4.48	0.00	Average	---	---
3	5386.500	56.64	-6.90	63.54	17.50	34.55	4.59	0.00	Average	---	---

The item 2 is Fundamental Emissions.

Note:
Emission level (dBuV/m) = 20 log Emission level (uV/m).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Transmitter Conducted Band Edge Emissions (5250-5350MHz band)						
Modulation	VHT-80_MCS0	**Test Frequency**	5290 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
5351.25	-	-	6.09	-23.12 Note[1]	-21.2	Peak
5350.30	-	-	6.09	-35.52 Note[1]	-41.2	Average

Note[1]: Using conducted method with composite antenna gain to test unwanted emissions in restricted bands may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance was demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred. The result does show it is compliant. Please refer to radiated section.

Transmitter Radiated Band Edge Emissions (5250-5350MHz band)	
Operating Mode	VHT-80_MCS0

5290 MHz

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	5112.600	70.11	-13.43	83.54	31.33	34.45	4.33	0.00	Peak	---	---
2 @	5311.800	107.40			68.31	34.53	4.56	0.00	Peak	---	---
3	5350.200	76.76	-6.78	83.54	37.63	34.54	4.59	0.00	Peak	---	---
1	5104.500	56.27	-7.27	63.54	17.50	34.44	4.33	0.00	Average	---	---
2 @	5307.300	93.01			53.97	34.52	4.52	0.00	Average	---	---
3 @	5350.000	62.35	-1.19	63.54	23.22	34.54	4.59	0.00	Average	---	---

The item 2 is Fundamental Emissions.

Note:
Emission level (dBuV/m) = 20 log Emission level (uV/m).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Transmitter Conducted Band Edge Emissions (5470-5725MHz band)						
Modulation	VHT-80_MCS0	**Test Frequency**	5530 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
5469.65	-	-	7.77	-23.47 Note[1]	-21.2	Peak
5469.75	-	-	7.77	-34.19 Note[1]	-41.2	Average

Note[1]: Using conducted method with composite antenna gain to test unwanted emissions in restricted bands may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance was demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred. The result does show it is compliant. Please refer to radiated section.

Transmitter Radiated Band Edge Emissions (5470-5725MHz band)	
Operating Mode	VHT-80_MCS0

5530 MHz

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	5467.760	76.77	-6.77	83.54	37.47	34.59	4.71	0.00	Peak	---	---
2 @	5518.000	107.11			67.75	34.61	4.75	0.00	Peak	---	---
3	5744.240	70.10	-7.74	77.84	30.32	34.74	5.04	0.00	Peak	---	---
1 @	5470.000	62.35	-1.19	63.54	23.05	34.59	4.71	0.00	Average	---	---
2 @	5505.200	92.28			52.93	34.60	4.75	0.00	Average	---	---
3	5730.160	57.19	-20.65	77.84	17.47	34.73	4.99	0.00	Average	---	---

The item 2 is Fundamental Emissions.

Note:
Emission level (dBuV/m) = 20 log Emission level (uV/m).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

3.6 Transmitter Unwanted Emissions

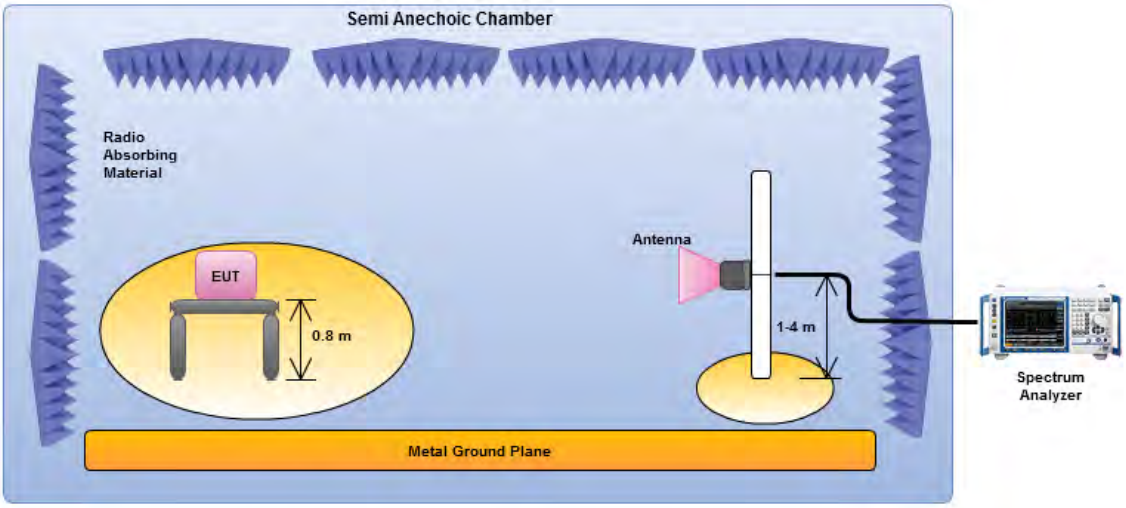
3.6.1 Test Procedures

Test Method		
☒	Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).	
	☒	Measurements in the frequency range 5 GHz - 10GHz are typically made at a closer distance 1.5m, because the instrumentation noise floor is typically close to the radiated emission limit.
	☒	Measurements in the frequency range 10 GHz - 18GHz are typically made at a closer distance 1m, because the instrumentation noise floor is typically close to the radiated emission limit.
	☒	Measurements in the frequency range above 18 GHz - 40GHz are typically made at a closer distance 0.5m, because the instrumentation noise floor is typically close to the radiated emission limit.
☒	The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].	
☒	For the transmitter unwanted emissions shall be measured using following options below:	
	☒	Refer as FCC KDB 789033, clause H)2) for unwanted emissions into non-restricted bands.
	☒	Refer as FCC KDB 789033, clause H)1) for unwanted emissions into restricted bands.
		☐ Refer as FCC KDB 789033, H)6) Method AD (Trace Averaging).
		☒ Refer as FCC KDB 789033, H)6) Method VB (Reduced VBW).
		☐ Refer as ANSI C63.10, clause 4.2.3.2.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.
		☐ Refer as ANSI C63.10, clause 4.2.3.2.4 average value of pulsed emissions.
		☒ Refer as FCC KDB 789033, clause H)5) measurement procedure peak limit.
		☐ Refer as ANSI C63.10, clause 4.2.3.2.2 measurement procedure peak limit.
☒	For radiated measurement.	
	☒	Refer as ANSI C63.10, clause 6.4 for radiated emissions from below 30 MHz.
	☒	Refer as ANSI C63.10, clause 6.5 for radiated emissions from 30 MHz to 1000 MHz.
	☒	Refer as ANSI C63.10, clause 6.6 for radiated emissions from above 1 GHz.

Test Method	
☒	For conducted and cabinet radiation measurement, refer as FCC KDB 789033, clause H)3).
☐	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.
☒	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
☒	For FCC KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred.

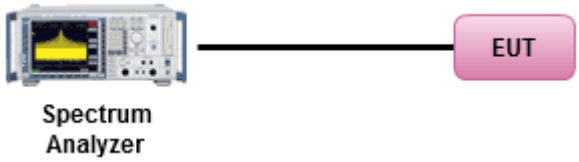
3.6.2 Test Setup

Transmitter Radiated Unwanted Emissions



Magnetic field tests shall be performed in the frequency range of 9 kHz to 30 MHz using a calibrated loop antenna. Electric field tests shall be performed in the frequency range of 30 MHz to 1000 MHz using a calibrated bi-log antenna and the frequency range of 1 GHz to 40 GHz using a calibrated horn antenna.

Transmitter Conducted Unwanted Emissions

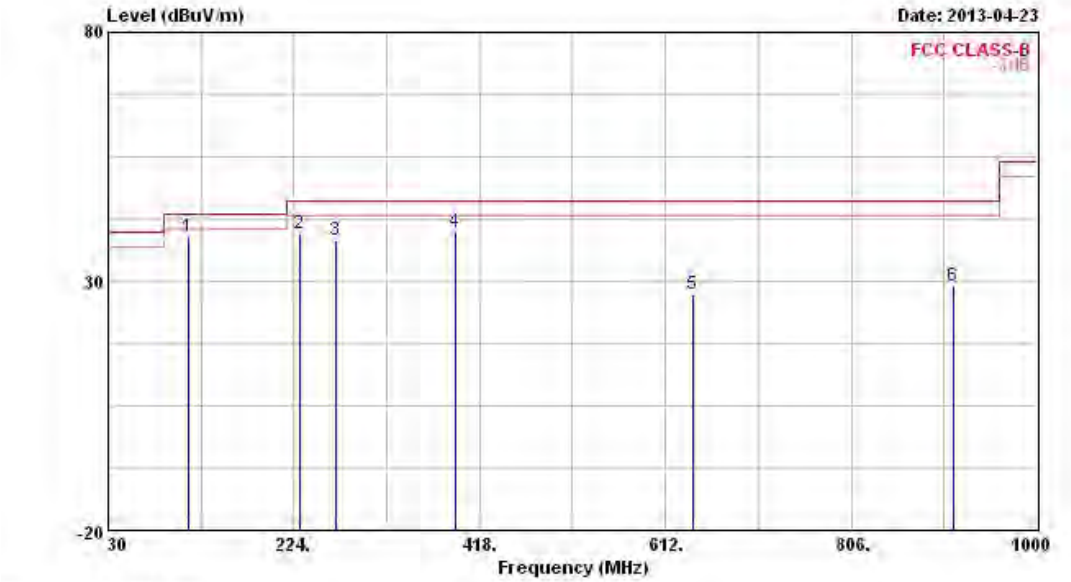


3.6.3 Transmitter Radiated Unwanted Emissions (Below 30MHz)

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

3.6.4 Transmitter Unwanted Emissions (Below 1GHz)

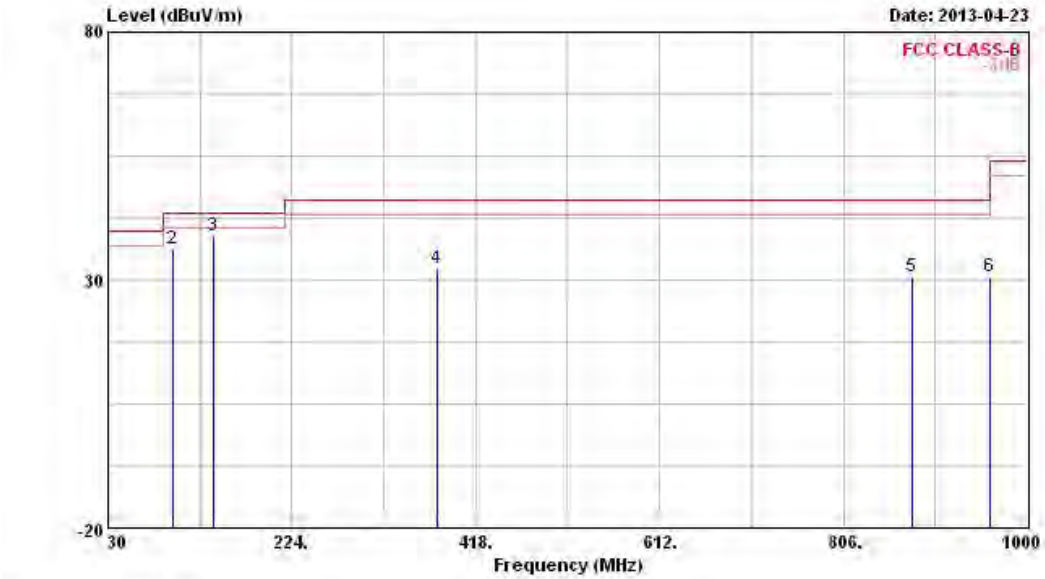
Transmitter Radiated Unwanted Emissions (Below 1GHz)			
Operating Mode	11a_6Mbps	**Polarization**	H
Operating Frequency	5200 MHz	**Configuration**	With PIFA Ant.



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	113.420	38.95	-4.55	43.50	52.50	12.80	1.50	27.85	Peak	---	---
2	230.790	39.45	-6.55	46.00	52.22	12.37	2.27	27.41	Peak	---	---
3	268.620	38.35	-7.65	46.00	49.94	13.26	2.45	27.30	Peak	---	---
4	392.780	39.96	-6.04	46.00	49.74	15.15	2.96	27.89	Peak	---	---
5	641.100	27.40	-18.60	46.00	32.41	19.63	3.87	28.51	Peak	---	---
6	912.700	28.88	-17.12	46.00	31.59	20.34	4.66	27.71	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)

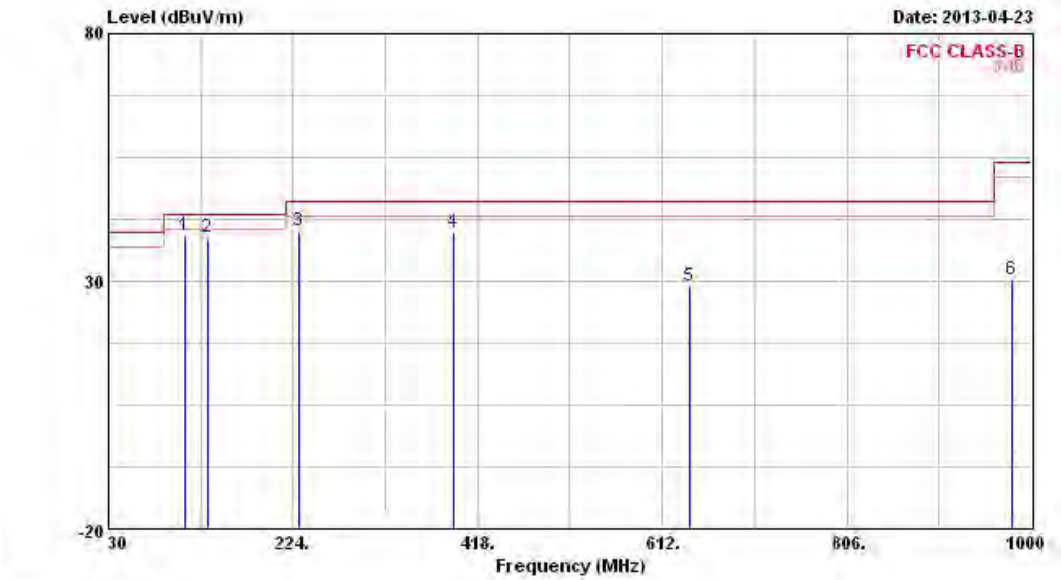
Transmitter Radiated Unwanted Emissions (Below 1GHz)			
Operating Mode	11a_6Mbps	**Polarization**	V
Operating Frequency	5200 MHz	**Configuration**	With PIFA Ant.



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	30.000	34.02	-5.98	40.00	45.00	16.22	0.78	27.98	Peak	---	---
2	98.870	36.15	-7.35	43.50	51.65	11.01	1.39	27.90	Peak	---	---
3 @	141.550	38.74	-4.76	43.50	52.98	11.78	1.71	27.73	Peak	---	---
4	377.260	32.29	-13.71	46.00	42.26	14.90	2.91	27.78	Peak	---	---
5	877.780	30.58	-15.42	46.00	33.77	20.08	4.57	27.84	Peak	---	---
6	960.230	30.59	-23.41	54.00	31.72	21.52	4.85	27.50	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)

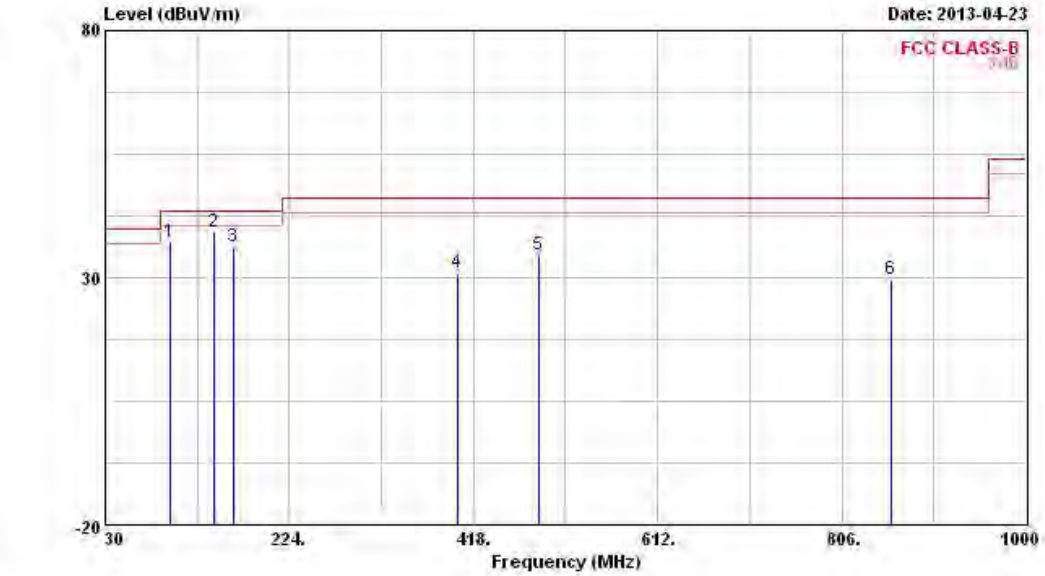
Transmitter Radiated Unwanted Emissions (Below 1GHz)			
Operating Mode	11a_6Mbps	**Polarization**	H
Operating Frequency	5300 MHz	**Configuration**	With PIFA Ant.



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	110.510	39.15	-4.35	43.50	53.07	12.46	1.48	27.86	Peak	---	---
2 @	134.760	38.92	-4.58	43.50	52.61	12.41	1.66	27.76	Peak	---	---
3	229.820	40.13	-5.87	46.00	52.95	12.33	2.26	27.41	Peak	---	---
4	392.780	39.97	-6.03	46.00	49.75	15.15	2.96	27.89	Peak	---	---
5	641.100	28.89	-17.11	46.00	33.90	19.63	3.87	28.51	Peak	---	---
6	979.630	30.18	-23.82	54.00	30.70	22.00	4.90	27.42	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)

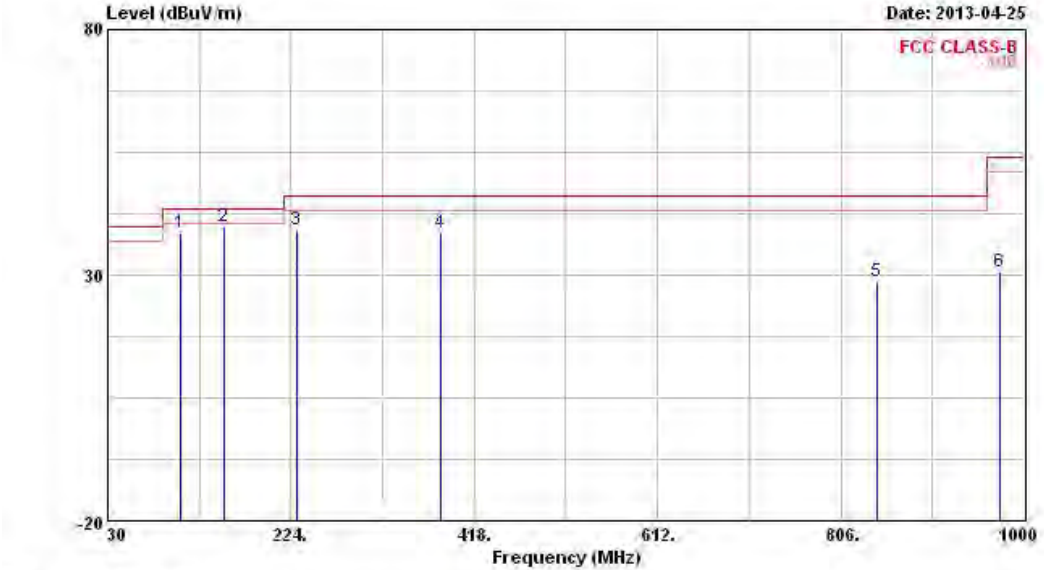
Transmitter Radiated Unwanted Emissions (Below 1GHz)			
Operating Mode	11a_6Mbps	**Polarization**	V
Operating Frequency	5300 MHz	**Configuration**	With PIFA Ant.



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	98.870	37.16	-6.34	43.50	52.66	11.01	1.39	27.90	Peak	---	---
2 @	144.460	39.08	-4.42	43.50	53.68	11.40	1.72	27.72	Peak	---	---
3	164.830	36.34	-7.16	43.50	51.82	10.34	1.82	27.64	Peak	---	---
4	400.540	30.88	-15.12	46.00	40.58	15.27	2.98	27.95	Peak	---	---
5	486.870	34.66	-11.34	46.00	42.68	17.02	3.36	28.40	Peak	---	---
6	858.380	29.79	-16.21	46.00	33.02	20.13	4.54	27.90	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)

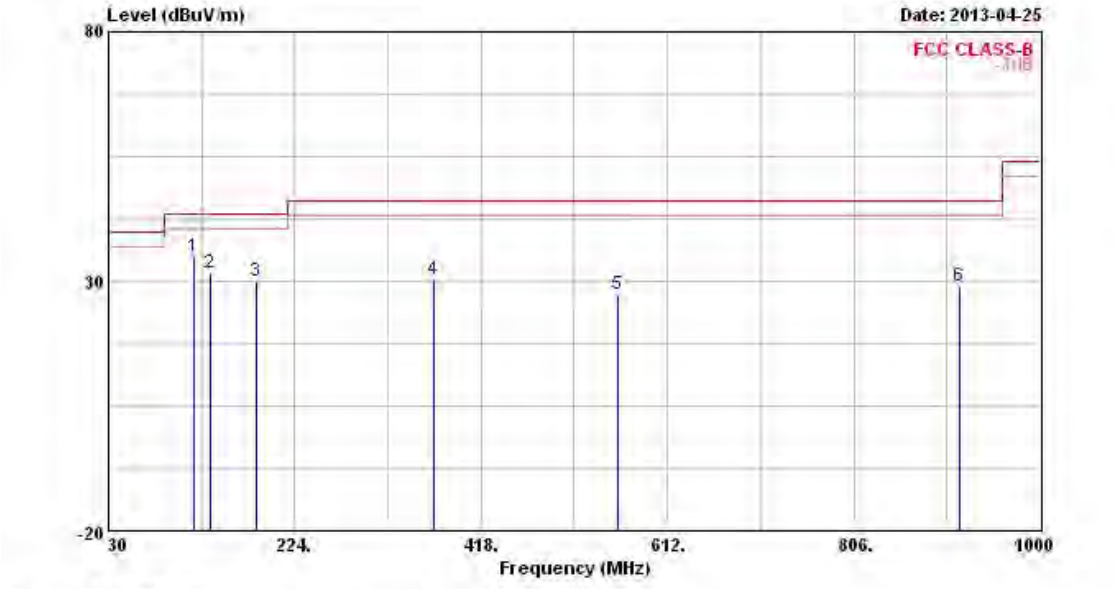
Transmitter Radiated Unwanted Emissions (Below 1GHz)			
Operating Mode	11a_6Mbps	**Polarization**	H
Operating Frequency	5580 MHz	**Configuration**	With PIFA Ant.



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	106.630	38.60	-4.90	43.50	53.02	11.99	1.46	27.87	Peak	---	---
2 @	153.190	39.80	-3.70	43.50	55.04	10.70	1.75	27.69	Peak	---	---
3	230.790	39.06	-6.94	46.00	51.83	12.37	2.27	27.41	Peak	---	---
4	382.110	38.65	-7.35	46.00	48.57	14.98	2.92	27.82	Peak	---	---
5	843.830	28.52	-17.48	46.00	31.80	20.16	4.51	27.95	Peak	---	---
6	974.780	30.73	-23.27	54.00	31.40	21.88	4.89	27.44	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)

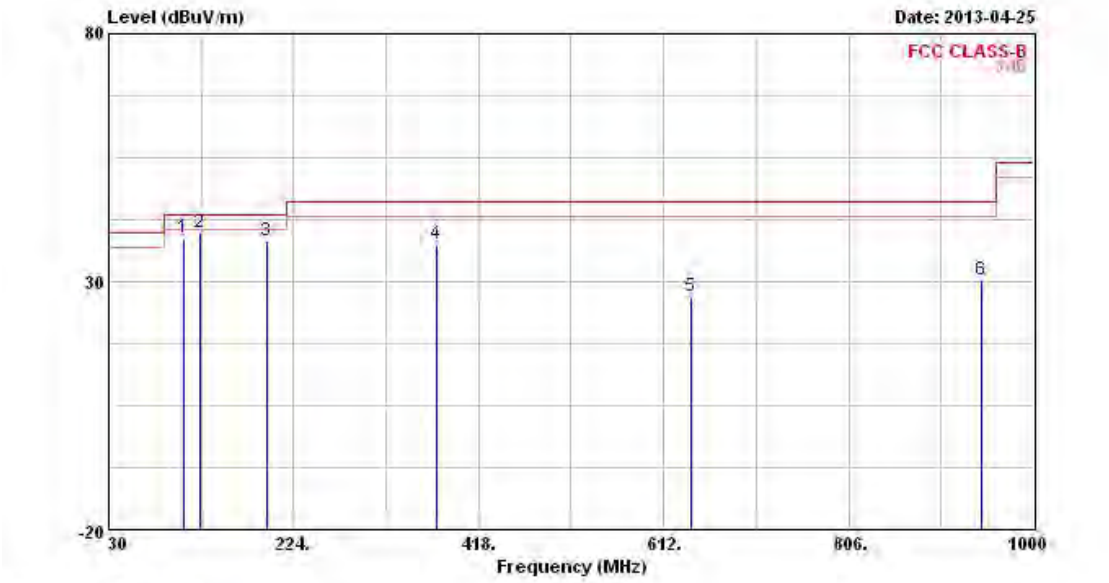
Transmitter Radiated Unwanted Emissions (Below 1GHz)			
Operating Mode	11a_6Mbps	**Polarization**	V
Operating Frequency	5580 MHz	**Configuration**	With PIFA Ant.



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	118.270	34.89	-8.61	43.50	47.80	13.38	1.54	27.83	Peak	---	---
2	136.700	31.54	-11.96	43.50	45.35	12.26	1.68	27.75	Peak	---	---
3	184.230	30.16	-13.34	43.50	45.55	10.19	1.98	27.56	Peak	---	---
4	369.500	30.23	-15.77	46.00	40.29	14.78	2.88	27.72	Peak	---	---
5	559.620	27.51	-18.49	46.00	33.47	19.00	3.57	28.53	Peak	---	---
6	916.580	29.09	-16.91	46.00	31.67	20.44	4.68	27.70	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)

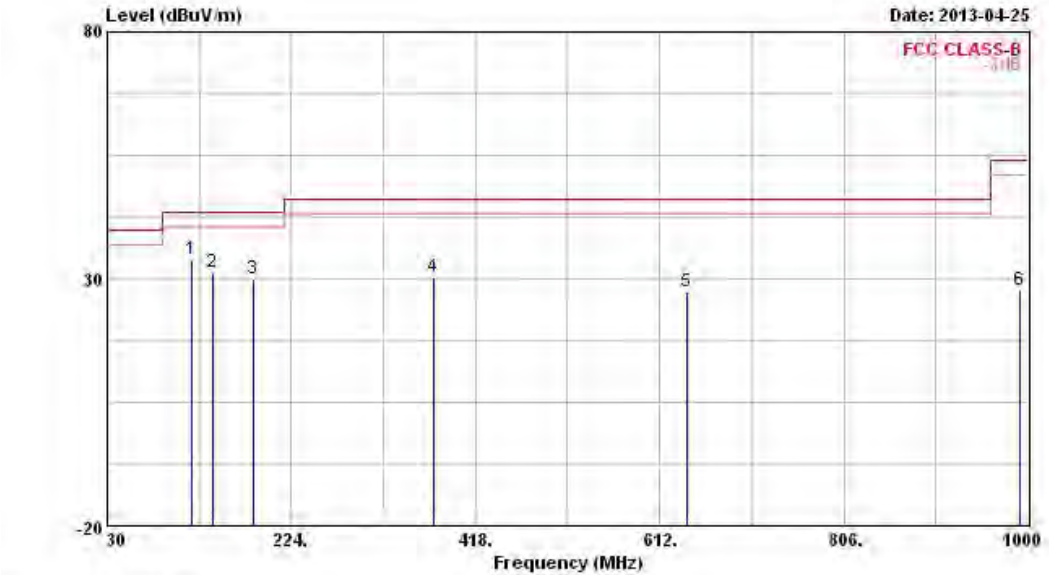
Transmitter Radiated Unwanted Emissions (Below 1GHz)			
Operating Mode	HT-20_MCS0	**Polarization**	H
Operating Frequency	5200 MHz	**Configuration**	With PIFA Ant.



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	108.570	38.73	-4.77	43.50	52.92	12.22	1.46	27.87	Peak	---	---
2 @	126.030	39.82	-3.68	43.50	52.92	13.10	1.60	27.80	Peak	---	---
3 @	195.870	38.24	-5.26	43.50	52.65	11.06	2.05	27.52	Peak	---	---
4	374.350	37.52	-8.48	46.00	47.52	14.86	2.90	27.76	Peak	---	---
5	641.100	27.09	-18.91	46.00	32.10	19.63	3.87	28.51	Peak	---	---
6	944.710	30.44	-15.56	46.00	32.08	21.13	4.80	27.57	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)

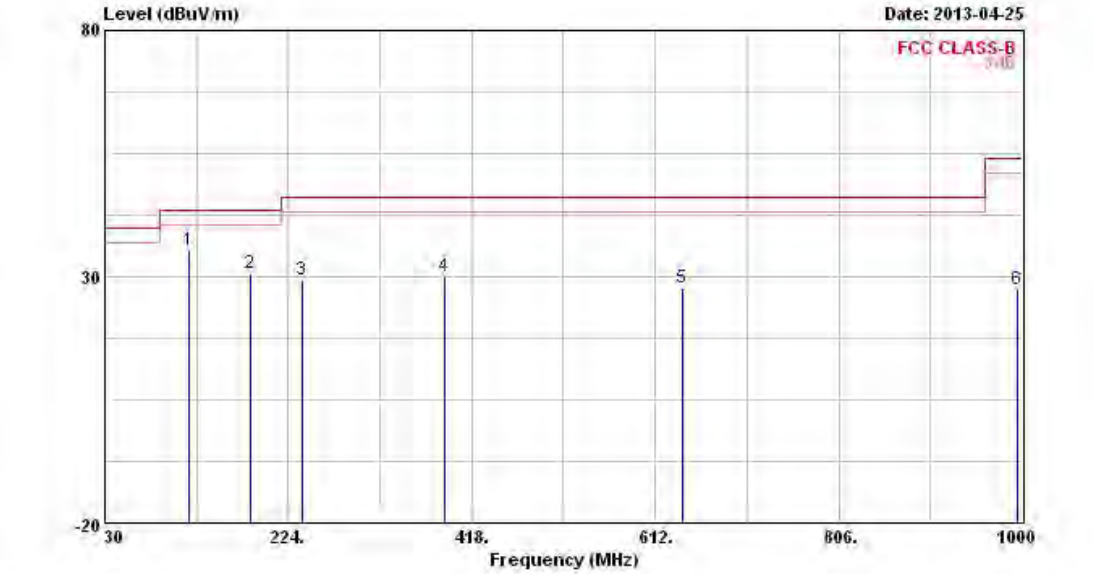
Transmitter Radiated Unwanted Emissions (Below 1GHz)			
Operating Mode	HT-20_MCS0	**Polarization**	V
Operating Frequency	5200 MHz	**Configuration**	With PIFA Ant.



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	118.270	34.05	-9.45	43.50	46.96	13.38	1.54	27.83	Peak	---	---
2	141.550	31.18	-12.32	43.50	45.42	11.78	1.71	27.73	Peak	---	---
3	184.230	29.86	-13.64	43.50	45.25	10.19	1.98	27.56	Peak	---	---
4	374.350	30.20	-15.80	46.00	40.20	14.86	2.90	27.76	Peak	---	---
5	641.100	27.48	-18.52	46.00	32.49	19.63	3.87	28.51	Peak	---	---
6	991.270	27.86	-26.14	54.00	28.01	22.28	4.94	27.37	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)

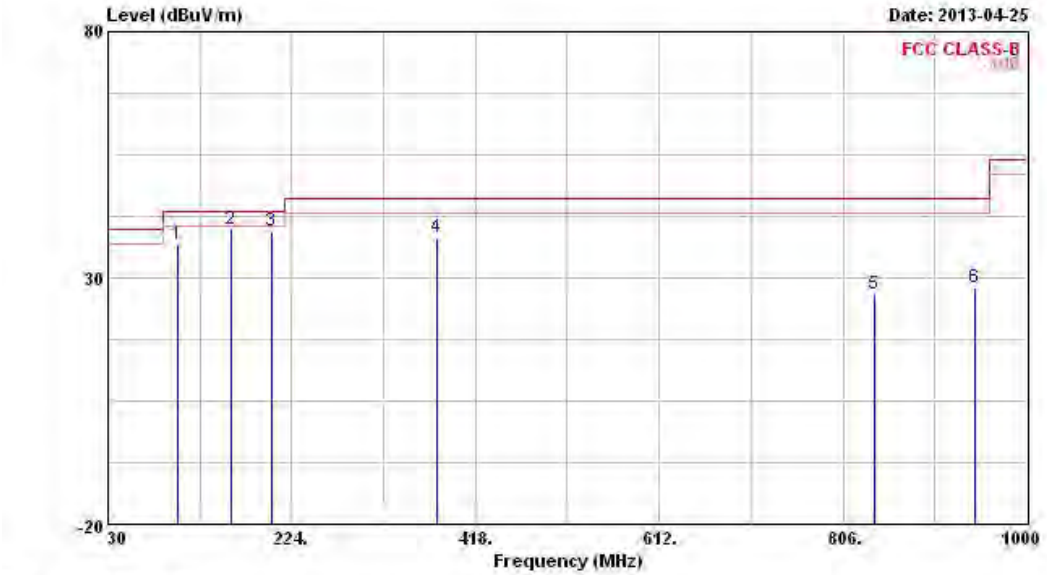
Transmitter Radiated Unwanted Emissions (Below 1GHz)			
Operating Mode	HT-20_MCS0	**Polarization**	H
Operating Frequency	5300 MHz	**Configuration**	With PIFA Ant.



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	118.270	35.22	-8.28	43.50	48.13	13.38	1.54	27.83	Peak	---	---
2	184.230	30.81	-12.69	43.50	46.20	10.19	1.98	27.56	Peak	---	---
3	238.550	29.48	-16.52	46.00	41.93	12.62	2.32	27.39	Peak	---	---
4	388.900	29.84	-16.16	46.00	39.67	15.09	2.94	27.86	Peak	---	---
5	641.100	27.73	-18.27	46.00	32.74	19.63	3.87	28.51	Peak	---	---
6	995.150	27.41	-26.59	54.00	27.43	22.38	4.95	27.35	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)

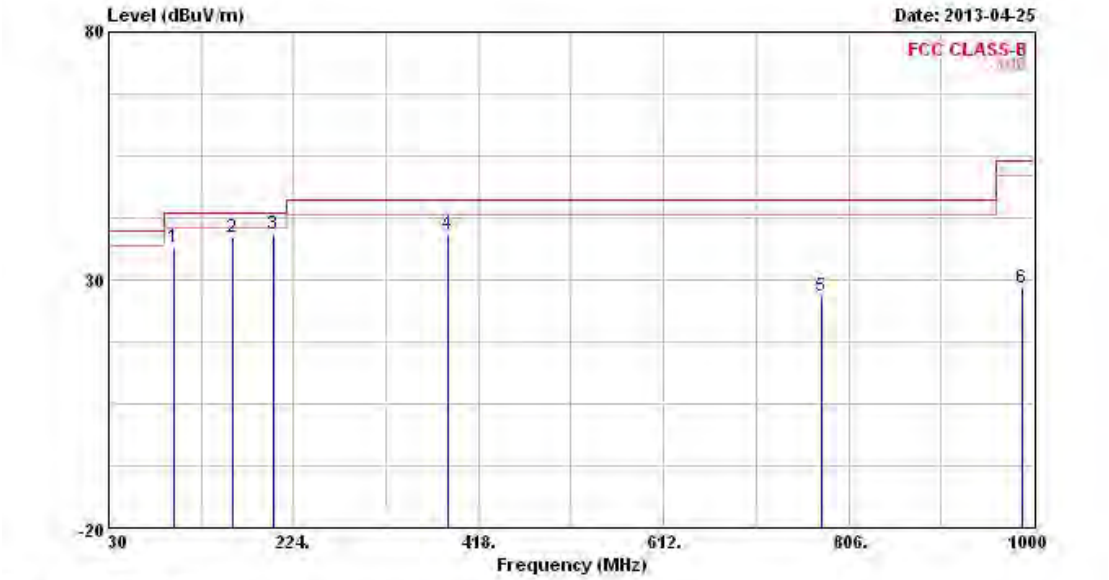
Transmitter Radiated Unwanted Emissions (Below 1GHz)			
Operating Mode	HT-20_MCS0	**Polarization**	V
Operating Frequency	5300 MHz	**Configuration**	With PIFA Ant.



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	102.750	36.82	-6.68	43.50	51.76	11.53	1.42	27.89	Peak	---	---
2 @	159.980	39.92	-3.58	43.50	55.25	10.55	1.78	27.66	Peak	---	---
3 @	202.660	39.39	-4.11	43.50	53.34	11.45	2.09	27.49	Peak	---	---
4	377.260	38.27	-7.73	46.00	48.24	14.90	2.91	27.78	Peak	---	---
5	838.980	26.77	-19.23	46.00	30.06	20.18	4.50	27.97	Peak	---	---
6	944.710	28.19	-17.81	46.00	29.83	21.13	4.80	27.57	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)

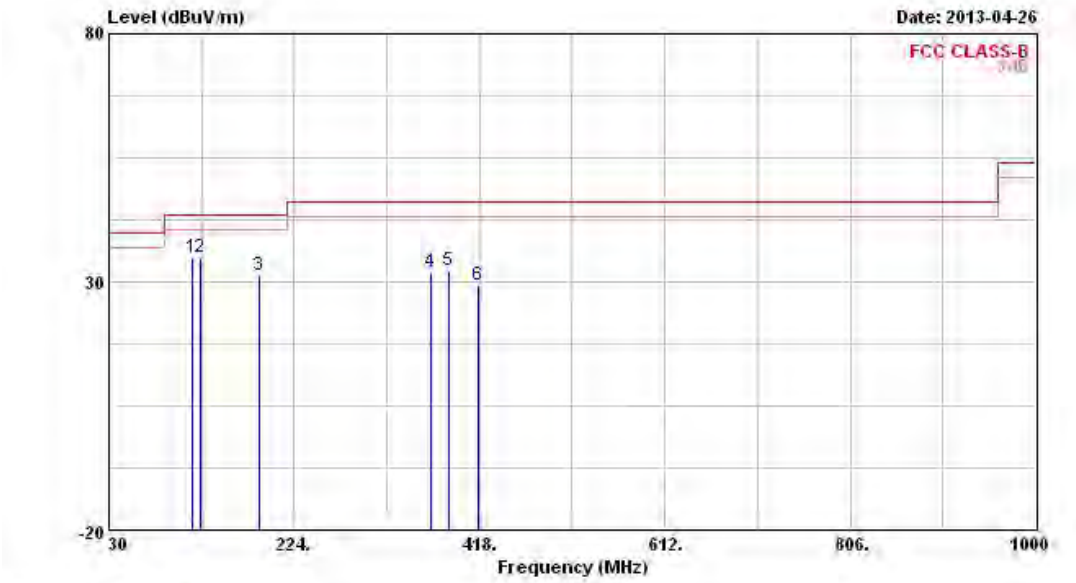
Transmitter Radiated Unwanted Emissions (Below 1GHz)			
Operating Mode	HT-20_MCS0	**Polarization**	H
Operating Frequency	5580 MHz	**Configuration**	With PIFA Ant.



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	98.870	36.53	-6.97	43.50	52.03	11.01	1.39	27.90	Peak	---	---
2 @	159.980	38.55	-4.95	43.50	53.88	10.55	1.78	27.66	Peak	---	---
3 @	203.630	39.19	-4.31	43.50	53.10	11.48	2.10	27.49	Peak	---	---
4	385.020	39.35	-6.65	46.00	49.22	15.03	2.93	27.83	Peak	---	---
5	777.870	26.79	-19.21	46.00	30.70	19.95	4.31	28.17	Peak	---	---
6	987.390	28.24	-25.76	54.00	28.51	22.19	4.92	27.38	Peak	---	---

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

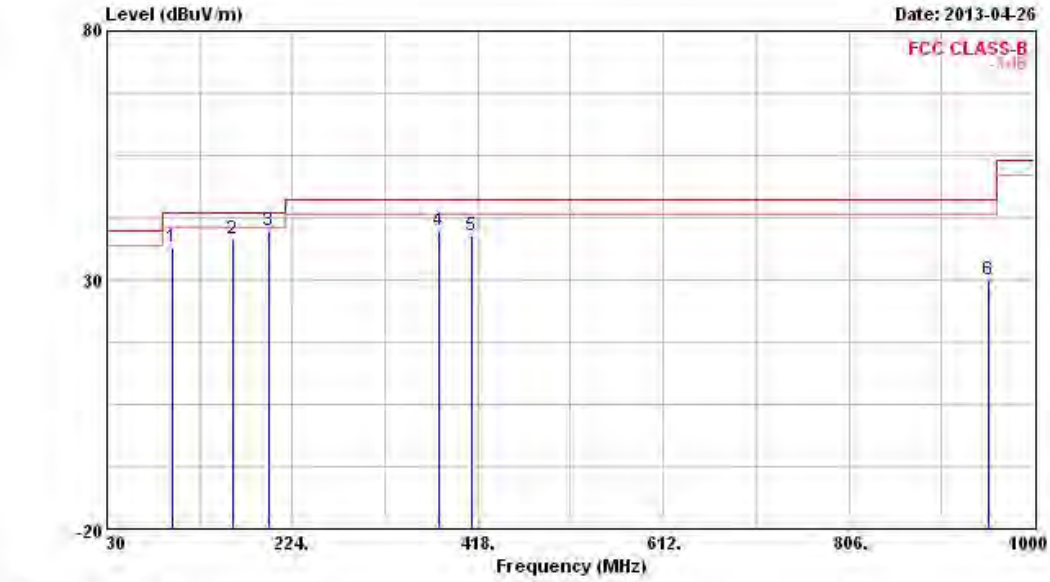
Transmitter Radiated Unwanted Emissions (Below 1GHz)			
Operating Mode	HT-20_MCS0	**Polarization**	V
Operating Frequency	5580 MHz	**Configuration**	With PIFA Ant.



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	117.300	34.88	-8.62	43.50	47.91	13.27	1.53	27.83	Peak	---	---
2	125.060	34.83	-8.67	43.50	47.86	13.18	1.59	27.80	Peak	---	---
3	187.140	31.34	-12.16	43.50	46.49	10.41	1.99	27.55	Peak	---	---
4	366.590	31.92	-14.08	46.00	42.01	14.74	2.87	27.70	Peak	---	---
5	385.990	32.20	-13.80	46.00	42.06	15.04	2.94	27.84	Peak	---	---
6	417.030	29.35	-16.65	46.00	38.74	15.61	3.04	28.04	Peak	---	---

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

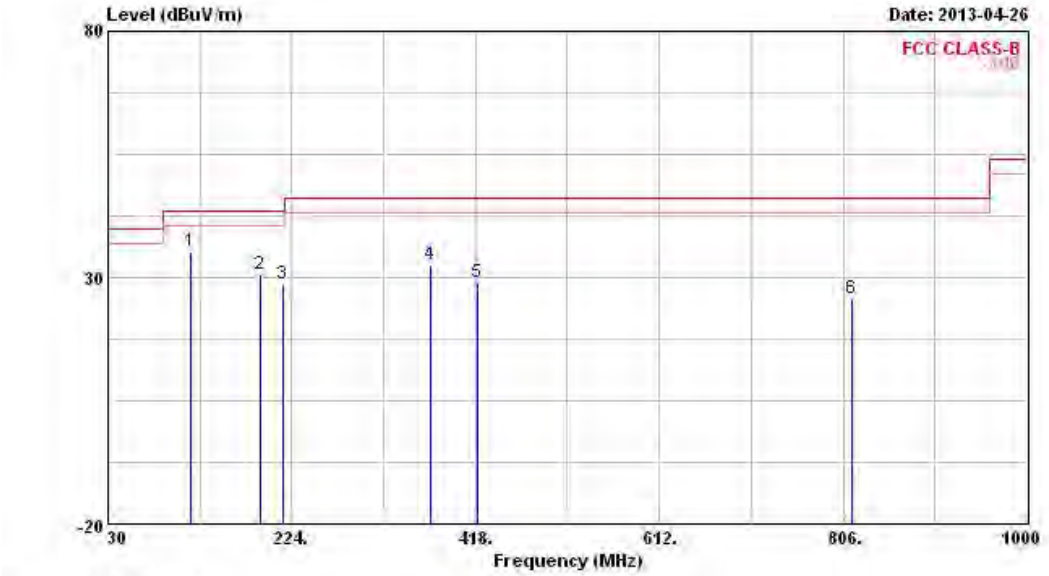
Transmitter Radiated Unwanted Emissions (Below 1GHz)			
Operating Mode	HT-40_MCS0	**Polarization**	H
Operating Frequency	5190 MHz	**Configuration**	With PIFA Ant.



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	98.870	36.62	-6.88	43.50	52.12	11.01	1.39	27.90	Peak	---	---
2 @	160.950	38.24	-5.26	43.50	53.60	10.51	1.79	27.66	Peak	---	---
3 @	198.780	39.75	-3.75	43.50	53.92	11.28	2.06	27.51	Peak	---	---
4	377.260	39.72	-6.28	46.00	49.69	14.90	2.91	27.78	Peak	---	---
5	412.180	38.82	-7.18	46.00	48.29	15.51	3.03	28.01	Peak	---	---
6	952.470	30.11	-15.89	46.00	31.50	21.32	4.83	27.54	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)

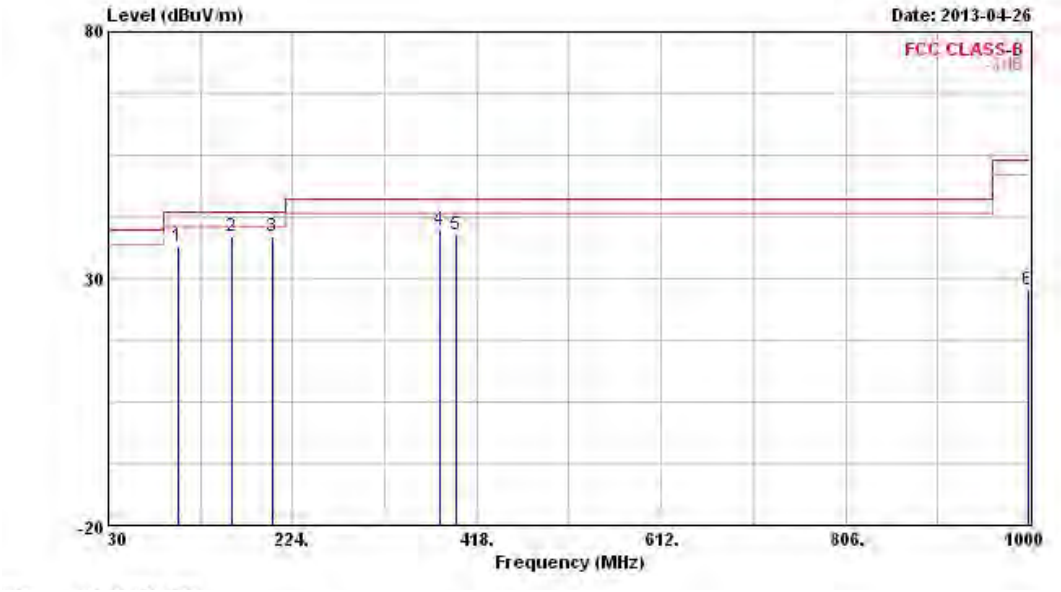
Transmitter Radiated Unwanted Emissions (Below 1GHz)			
Operating Mode	HT-40_MCS0	**Polarization**	V
Operating Frequency	5190 MHz	**Configuration**	With PIFA Ant.



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	117.300	35.21	-8.29	43.50	48.24	13.27	1.53	27.83	Peak	---	---
2	191.020	30.69	-12.81	43.50	45.51	10.70	2.02	27.54	Peak	---	---
3	215.270	28.81	-14.69	43.50	42.23	11.86	2.17	27.45	Peak	---	---
4	370.470	32.48	-13.52	46.00	42.52	14.80	2.89	27.73	Peak	---	---
5	419.940	28.88	-17.12	46.00	38.21	15.66	3.06	28.05	Peak	---	---
6	815.700	25.82	-20.18	46.00	29.18	20.23	4.45	28.04	Peak	---	---

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

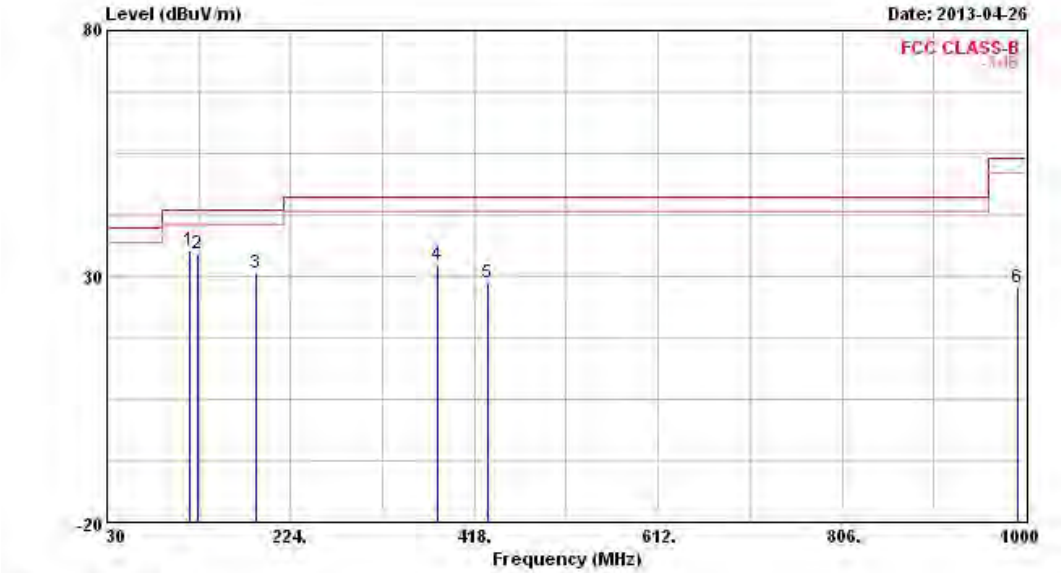
Transmitter Radiated Unwanted Emissions (Below 1GHz)			
Operating Mode	HT-40_MCS0	**Polarization**	H
Operating Frequency	5270 MHz	**Configuration**	With PIFA Ant.



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	102.750	36.42	-7.08	43.50	51.36	11.53	1.42	27.89	Peak	---	---
2 @	159.980	38.64	-4.86	43.50	53.97	10.55	1.78	27.66	Peak	---	---
3 @	203.630	38.57	-4.93	43.50	52.48	11.48	2.10	27.49	Peak	---	---
4	378.230	39.85	-6.15	46.00	49.81	14.92	2.91	27.79	Peak	---	---
5	395.690	39.01	-6.99	46.00	48.76	15.19	2.97	27.91	Peak	---	---
6	998.060	27.78	-26.22	54.00	27.71	22.45	4.96	27.34	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)

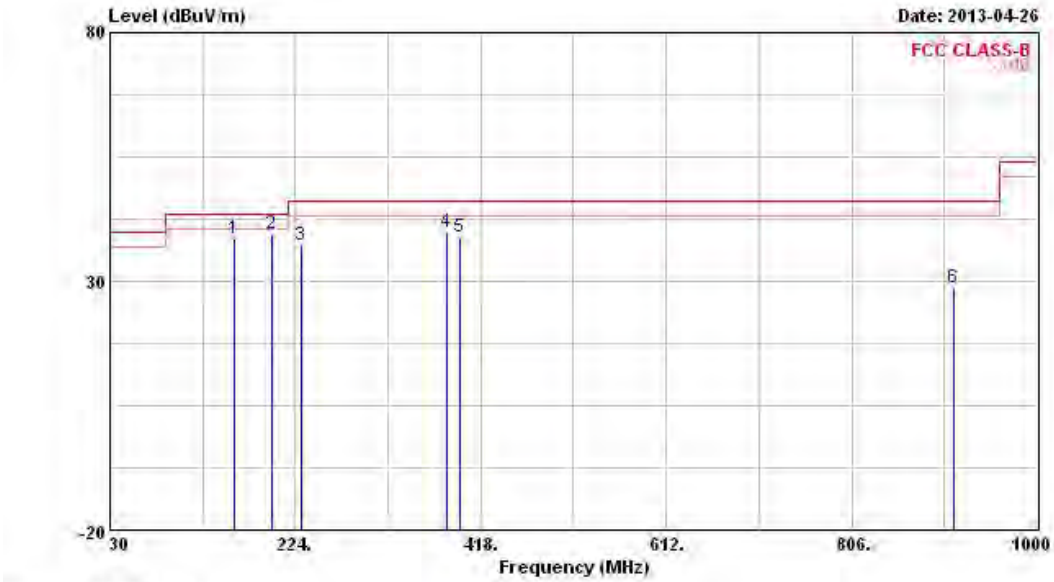
Transmitter Radiated Unwanted Emissions (Below 1GHz)			
Operating Mode	HT-40_MCS0	**Polarization**	V
Operating Frequency	5270 MHz	**Configuration**	With PIFA Ant.



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	117.300	35.21	-8.29	43.50	48.24	13.27	1.53	27.83	Peak	---	---
2	125.060	34.61	-8.89	43.50	47.64	13.18	1.59	27.80	Peak	---	---
3	187.140	30.57	-12.93	43.50	45.72	10.41	1.99	27.55	Peak	---	---
4	378.230	32.14	-13.86	46.00	42.10	14.92	2.91	27.79	Peak	---	---
5	431.580	28.68	-17.32	46.00	37.80	15.90	3.10	28.12	Peak	---	---
6	991.270	27.56	-26.44	54.00	27.71	22.28	4.94	27.37	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)

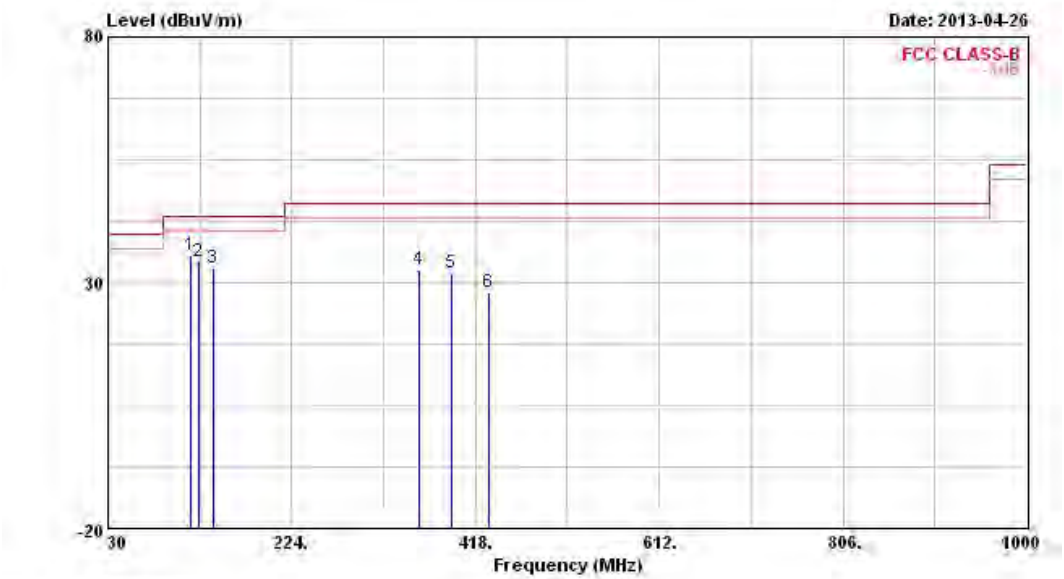
Transmitter Radiated Unwanted Emissions (Below 1GHz)			
Operating Mode	HT-40_MCS0	**Polarization**	H
Operating Frequency	5550 MHz	**Configuration**	With PIFA Ant.



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	159.980	38.41	-5.09	43.50	53.74	10.55	1.78	27.66	Peak	---	---
2 @	198.780	39.46	-4.04	43.50	53.63	11.28	2.06	27.51	Peak	---	---
3	229.820	37.19	-8.81	46.00	50.01	12.33	2.26	27.41	Peak	---	---
4	382.110	39.95	-6.05	46.00	49.87	14.98	2.92	27.82	Peak	---	---
5	396.660	38.72	-7.28	46.00	48.46	15.21	2.97	27.92	Peak	---	---
6	912.700	28.79	-17.21	46.00	31.50	20.34	4.66	27.71	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)

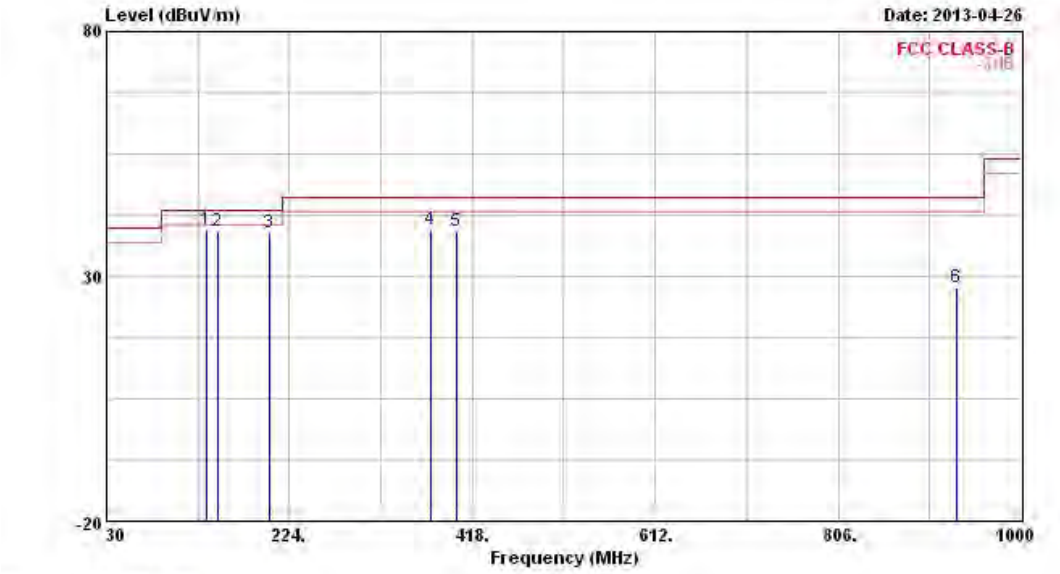
Transmitter Radiated Unwanted Emissions (Below 1GHz)			
Operating Mode	HT-40_MCS0	**Polarization**	V
Operating Frequency	5550 MHz	**Configuration**	With PIFA Ant.



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	117.300	35.46	-8.04	43.50	48.49	13.27	1.53	27.83	Peak	---	---
2	125.060	34.33	-9.17	43.50	47.36	13.18	1.59	27.80	Peak	---	---
3	141.550	32.85	-10.65	43.50	47.09	11.78	1.71	27.73	Peak	---	---
4	358.830	32.62	-13.38	46.00	42.80	14.61	2.85	27.64	Peak	---	---
5	392.780	31.97	-14.03	46.00	41.75	15.15	2.96	27.89	Peak	---	---
6	431.580	28.05	-17.95	46.00	37.17	15.90	3.10	28.12	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)

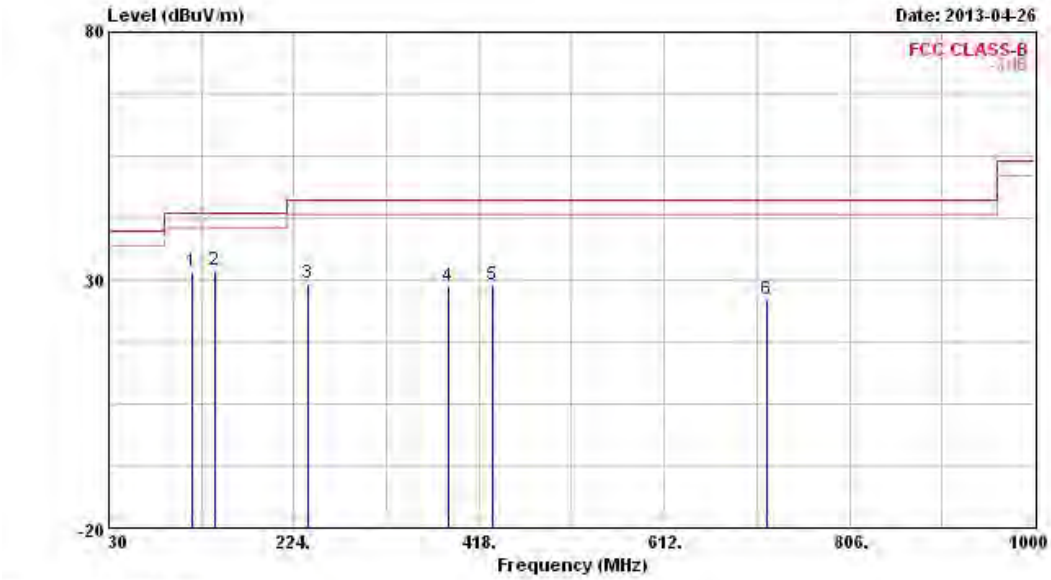
Transmitter Radiated Unwanted Emissions (Below 1GHz)			
Operating Mode	VHT-20_MCS0	**Polarization**	H
Operating Frequency	5200 MHz	**Configuration**	With PIFA Ant.



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	135.730	39.38	-4.12	43.50	53.13	12.34	1.67	27.76	Peak	---	---
2 @	148.340	39.21	-4.29	43.50	54.29	10.90	1.73	27.71	Peak	---	---
3 @	203.630	38.78	-4.72	43.50	52.69	11.48	2.10	27.49	Peak	---	---
4	374.350	39.49	-6.51	46.00	49.49	14.86	2.90	27.76	Peak	---	---
5	400.540	39.05	-6.95	46.00	48.75	15.27	2.98	27.95	Peak	---	---
6	932.100	27.75	-18.25	46.00	29.81	20.82	4.75	27.63	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)

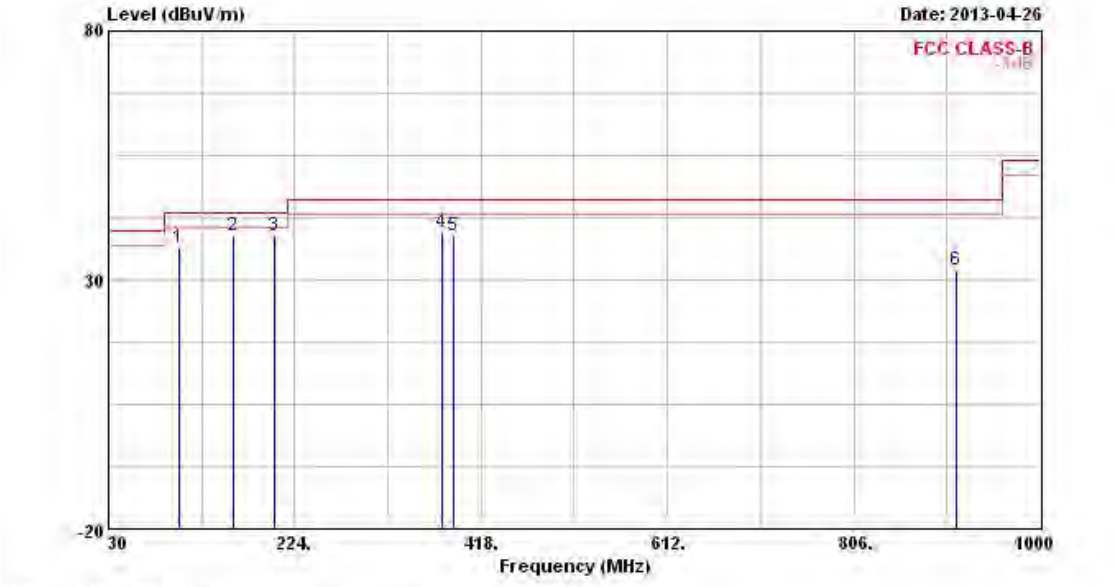
Transmitter Radiated Unwanted Emissions (Below 1GHz)			
Operating Mode	VHT-20_MCS0	**Polarization**	V
Operating Frequency	5200 MHz	**Configuration**	With PIFA Ant.



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	117.300	31.68	-11.82	43.50	44.71	13.27	1.53	27.83	Peak	---	---
2	141.550	31.92	-11.58	43.50	46.16	11.78	1.71	27.73	Peak	---	---
3	238.550	29.48	-16.52	46.00	41.93	12.62	2.32	27.39	Peak	---	---
4	385.020	28.59	-17.41	46.00	38.46	15.03	2.93	27.83	Peak	---	---
5	431.580	28.89	-17.11	46.00	38.01	15.90	3.10	28.12	Peak	---	---
6	719.670	26.09	-19.91	46.00	31.24	19.13	4.08	28.36	Peak	---	---

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

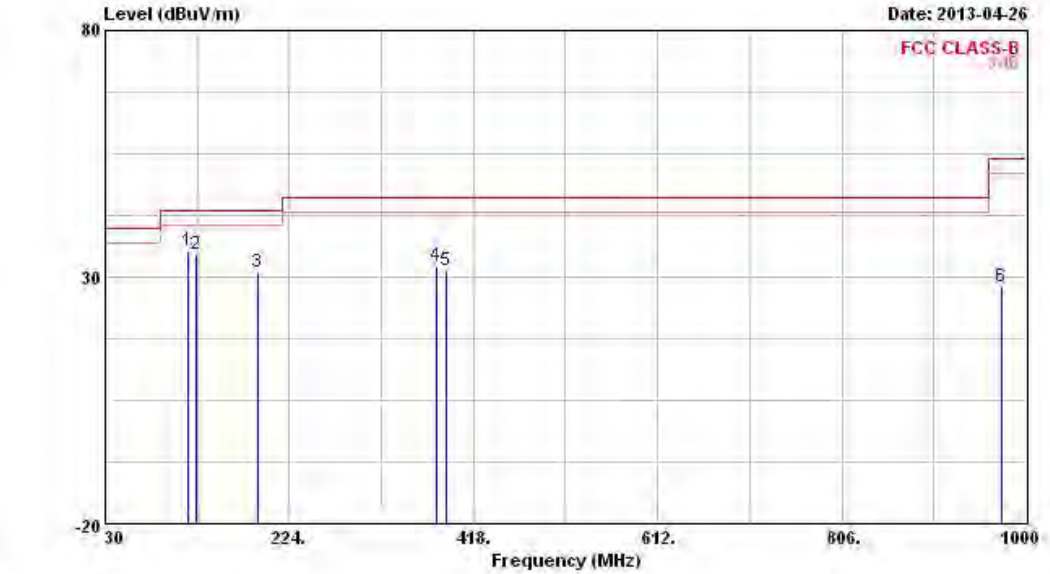
Transmitter Radiated Unwanted Emissions (Below 1GHz)			
Operating Mode	VHT-20_MCS0	**Polarization**	H
Operating Frequency	5300 MHz	**Configuration**	With PIFA Ant.



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	102.750	36.53	-6.97	43.50	51.47	11.53	1.42	27.89	Peak	---	---
2 @	159.980	38.74	-4.76	43.50	54.07	10.55	1.78	27.66	Peak	---	---
3 @	203.630	38.92	-4.58	43.50	52.83	11.48	2.10	27.49	Peak	---	---
4	377.260	39.47	-6.53	46.00	49.44	14.90	2.91	27.78	Peak	---	---
5	388.900	38.99	-7.01	46.00	48.82	15.09	2.94	27.86	Peak	---	---
6	912.700	31.85	-14.15	46.00	34.56	20.34	4.66	27.71	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)

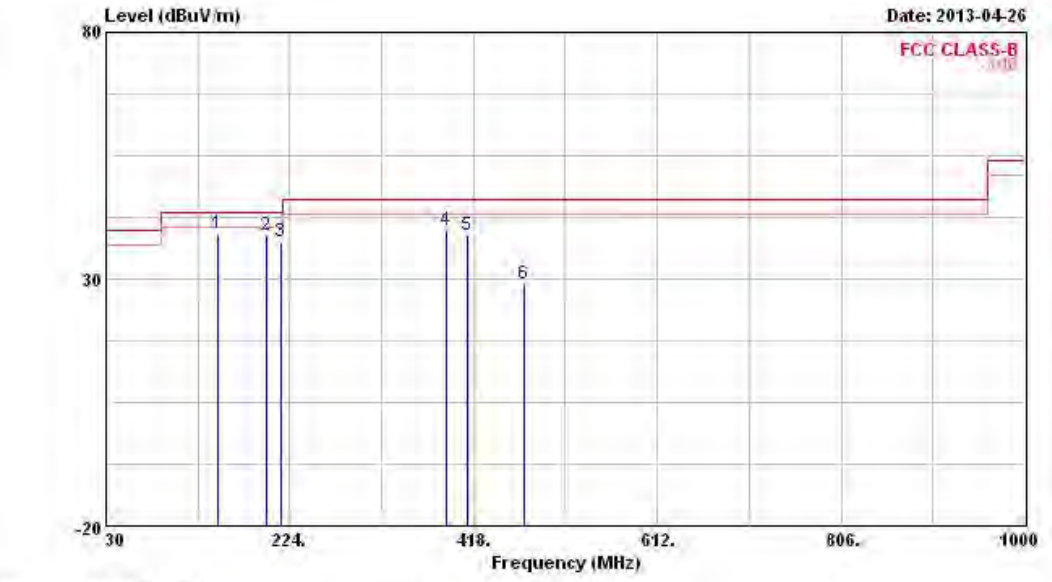
Transmitter Radiated Unwanted Emissions (Below 1GHz)			
Operating Mode	VHT-20_MCS0	**Polarization**	V
Operating Frequency	5300 MHz	**Configuration**	With PIFA Ant.



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	117.300	35.30	-8.20	43.50	48.33	13.27	1.53	27.83	Peak	---	---
2	125.060	34.45	-9.05	43.50	47.48	13.18	1.59	27.80	Peak	---	---
3	191.020	30.94	-12.56	43.50	45.76	10.70	2.02	27.54	Peak	---	---
4	378.230	32.30	-13.70	46.00	42.26	14.92	2.91	27.79	Peak	---	---
5	388.900	31.41	-14.59	46.00	41.24	15.09	2.94	27.86	Peak	---	---
6	974.780	28.06	-25.94	54.00	28.73	21.88	4.89	27.44	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)

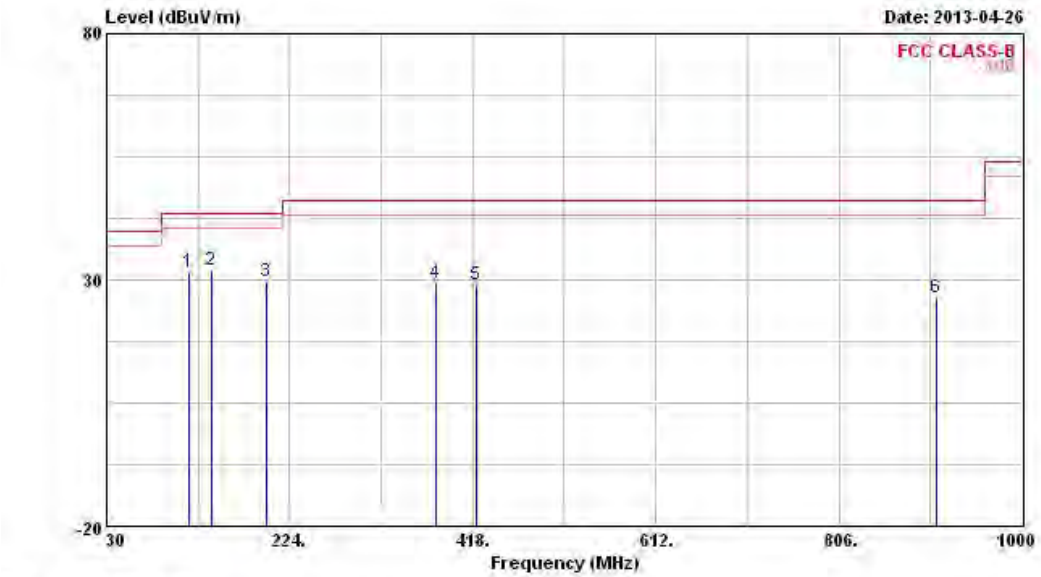
Transmitter Radiated Unwanted Emissions (Below 1GHz)			
Operating Mode	VHT-20_MCS0	**Polarization**	H
Operating Frequency	5580 MHz	**Configuration**	With PIFA Ant.



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	148.340	39.28	-4.22	43.50	54.36	10.90	1.73	27.71	Peak	---	---
2 @	198.780	38.79	-4.71	43.50	52.96	11.28	2.06	27.51	Peak	---	---
3	215.270	37.59	-5.91	43.50	51.01	11.86	2.17	27.45	Peak	---	---
4	388.900	39.84	-6.16	46.00	49.67	15.09	2.94	27.86	Peak	---	---
5	412.180	38.84	-7.16	46.00	48.31	15.51	3.03	28.01	Peak	---	---
6	471.350	28.88	-17.12	46.00	37.22	16.71	3.28	28.33	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)

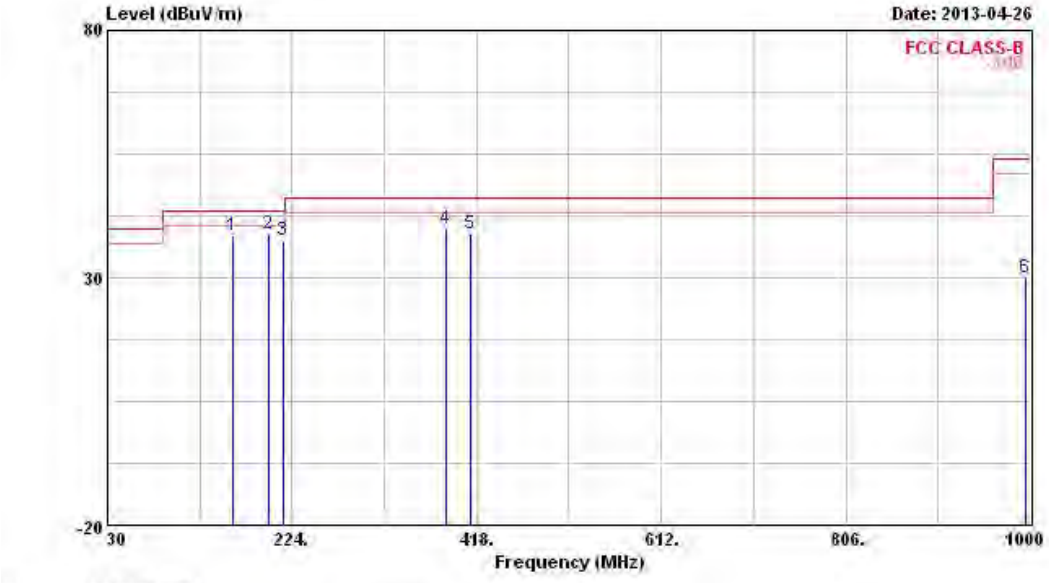
Transmitter Radiated Unwanted Emissions (Below 1GHz)			
Operating Mode	VHT-20_MCS0	**Polarization**	V
Operating Frequency	5580 MHz	**Configuration**	With PIFA Ant.



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	117.300	31.61	-11.89	43.50	44.64	13.27	1.53	27.83	Peak	---	---
2	141.550	31.83	-11.67	43.50	46.07	11.78	1.71	27.73	Peak	---	---
3	198.780	29.56	-13.94	43.50	43.73	11.28	2.06	27.51	Peak	---	---
4	378.230	29.42	-16.58	46.00	39.38	14.92	2.91	27.79	Peak	---	---
5	420.910	28.85	-17.15	46.00	38.17	15.68	3.06	28.06	Peak	---	---
6	909.790	26.37	-19.63	46.00	29.17	20.27	4.65	27.72	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)

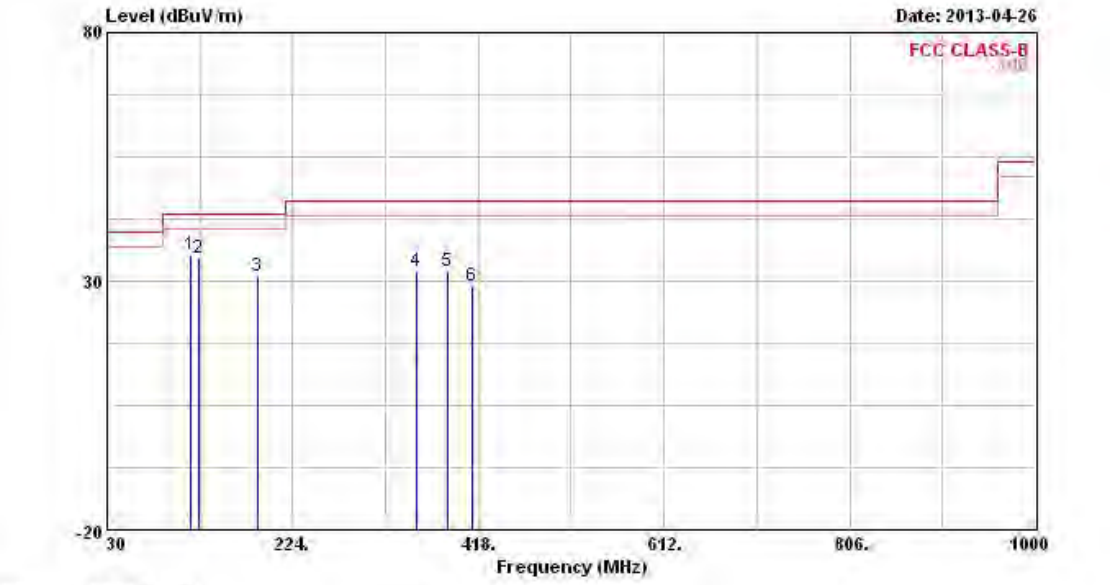
Transmitter Radiated Unwanted Emissions (Below 1GHz)			
Operating Mode	VHT-40_MCS0	**Polarization**	H
Operating Frequency	5190 MHz	**Configuration**	With PIFA Ant.



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	160.950	38.59	-4.91	43.50	53.95	10.51	1.79	27.66	Peak	---	---
2 @	198.780	38.88	-4.62	43.50	53.05	11.28	2.06	27.51	Peak	---	---
3	215.270	37.44	-6.06	43.50	50.86	11.86	2.17	27.45	Peak	---	---
4	385.020	39.71	-6.29	46.00	49.58	15.03	2.93	27.83	Peak	---	---
5	412.180	38.73	-7.27	46.00	48.20	15.51	3.03	28.01	Peak	---	---
6	995.150	29.93	-24.07	54.00	29.95	22.38	4.95	27.35	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)

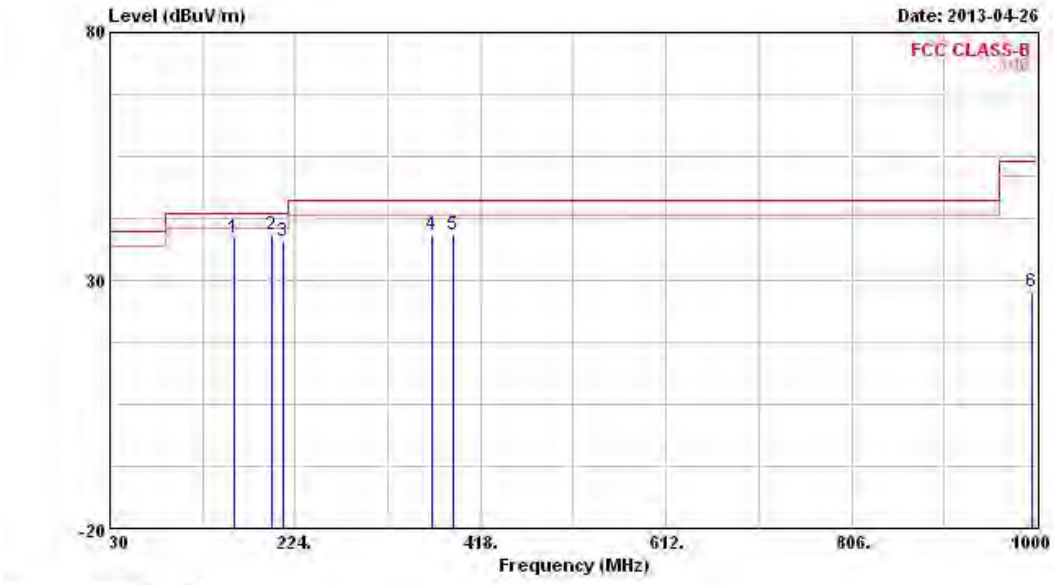
Transmitter Radiated Unwanted Emissions (Below 1GHz)			
Operating Mode	VHT-40_MCS0	**Polarization**	V
Operating Frequency	5190 MHz	**Configuration**	With PIFA Ant.



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	117.300	35.13	-8.37	43.50	48.16	13.27	1.53	27.83	Peak	---	---
2	125.060	34.62	-8.88	43.50	47.65	13.18	1.59	27.80	Peak	---	---
3	187.140	31.11	-12.39	43.50	46.26	10.41	1.99	27.55	Peak	---	---
4	353.980	31.98	-14.02	46.00	42.21	14.54	2.83	27.60	Peak	---	---
5	385.020	31.88	-14.12	46.00	41.75	15.03	2.93	27.83	Peak	---	---
6	412.180	29.01	-16.99	46.00	38.48	15.51	3.03	28.01	Peak	---	---

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

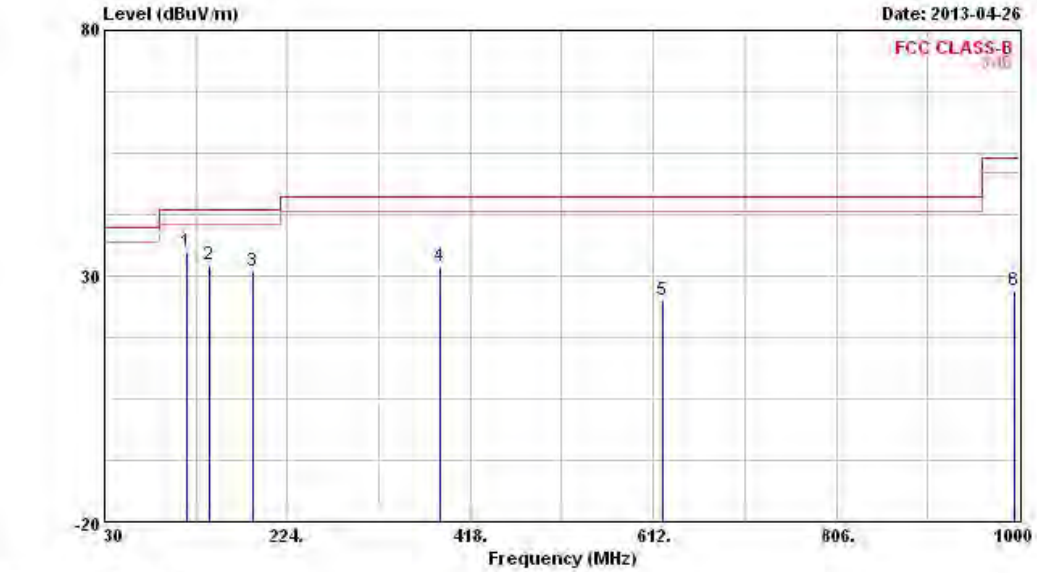
Transmitter Radiated Unwanted Emissions (Below 1GHz)			
Operating Mode	VHT-40_MCS0	**Polarization**	H
Operating Frequency	5270 MHz	**Configuration**	With PIFA Ant.



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	159.980	38.39	-5.11	43.50	53.72	10.55	1.78	27.66	Peak	---	---
2 @	198.780	39.08	-4.42	43.50	53.25	11.28	2.06	27.51	Peak	---	---
3 @	211.390	37.82	-5.68	43.50	51.42	11.73	2.14	27.47	Peak	---	---
4	366.590	39.34	-6.66	46.00	49.43	14.74	2.87	27.70	Peak	---	---
5	388.900	39.12	-6.88	46.00	48.95	15.09	2.94	27.86	Peak	---	---
6	995.150	27.78	-26.22	54.00	27.80	22.38	4.95	27.35	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)

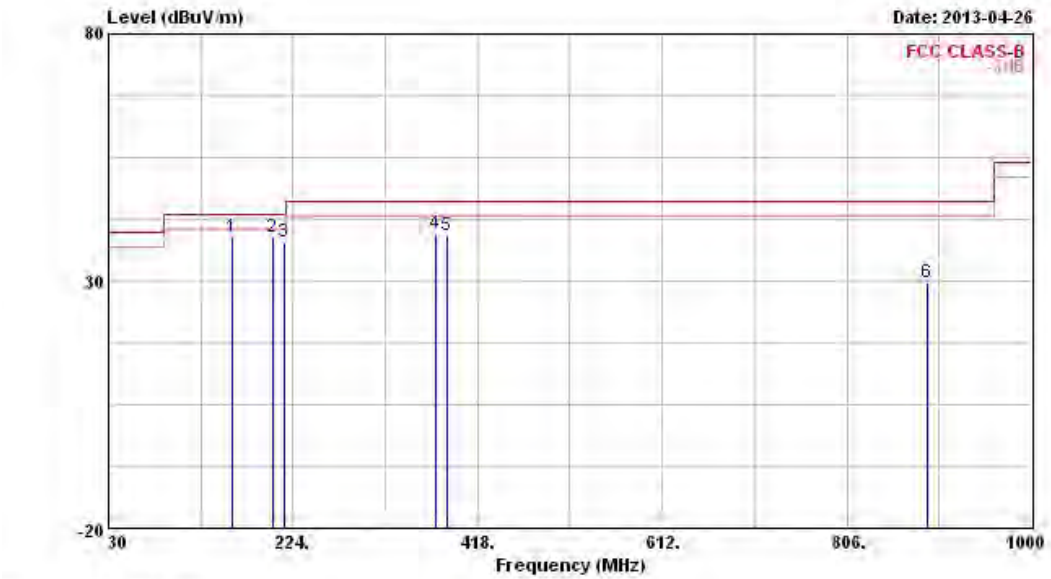
Transmitter Radiated Unwanted Emissions (Below 1GHz)			
Operating Mode	VHT-40_MCS0	**Polarization**	V
Operating Frequency	5270 MHz	**Configuration**	With PIFA Ant.



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	117.300	34.90	-8.60	43.50	47.93	13.27	1.53	27.83	Peak	---	---
2	141.550	32.38	-11.12	43.50	46.62	11.78	1.71	27.73	Peak	---	---
3	187.140	31.04	-12.46	43.50	46.19	10.41	1.99	27.55	Peak	---	---
4	385.990	31.99	-14.01	46.00	41.85	15.04	2.94	27.84	Peak	---	---
5	622.670	24.92	-21.08	46.00	29.78	19.88	3.79	28.53	Peak	---	---
6	995.150	27.07	-26.93	54.00	27.09	22.38	4.95	27.35	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)

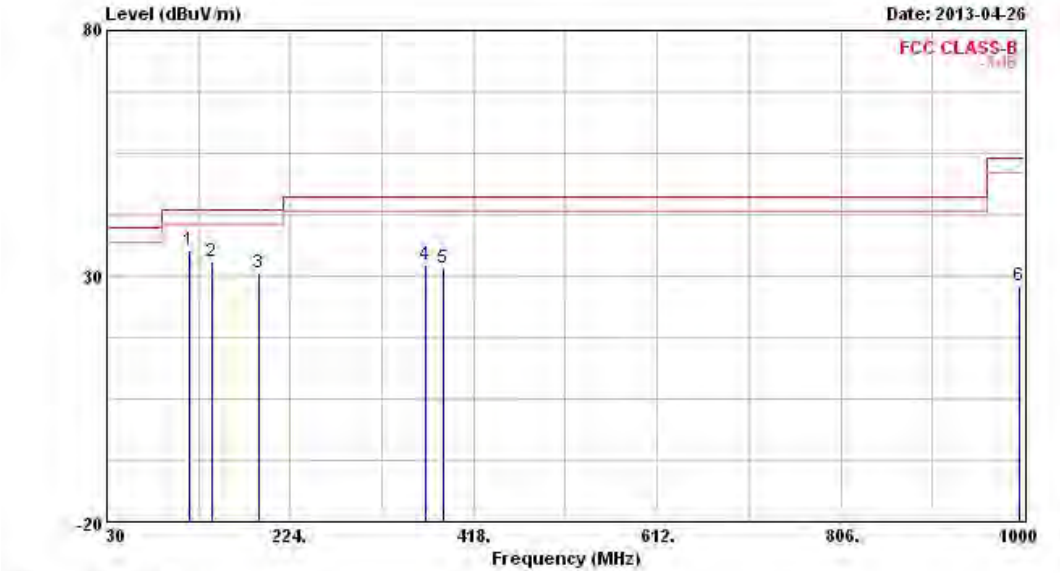
Transmitter Radiated Unwanted Emissions (Below 1GHz)			
Operating Mode	VHT-40_MCS0	**Polarization**	H
Operating Frequency	5550 MHz	**Configuration**	With PIFA Ant.



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	159.980	38.76	-4.74	43.50	54.09	10.55	1.78	27.66	Peak	---	---
2 @	203.630	38.97	-4.53	43.50	52.88	11.48	2.10	27.49	Peak	---	---
3 @	215.270	37.83	-5.67	43.50	51.25	11.86	2.17	27.45	Peak	---	---
4	374.350	39.67	-6.33	46.00	49.67	14.86	2.90	27.76	Peak	---	---
5	385.020	39.36	-6.64	46.00	49.23	15.03	2.93	27.83	Peak	---	---
6	890.390	29.57	-16.43	46.00	32.73	20.05	4.59	27.80	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)

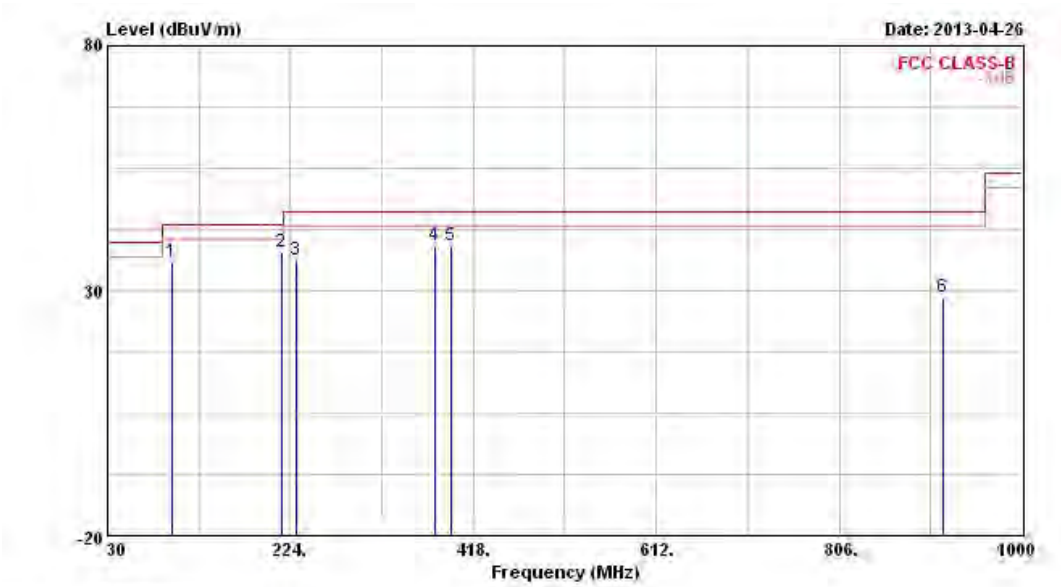
Transmitter Radiated Unwanted Emissions (Below 1GHz)			
Operating Mode	VHT-40_MCS0	**Polarization**	V
Operating Frequency	5550 MHz	**Configuration**	With PIFA Ant.



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	117.300	35.33	-8.17	43.50	48.36	13.27	1.53	27.83	Peak	---	---
2	141.550	32.80	-10.70	43.50	47.04	11.78	1.71	27.73	Peak	---	---
3	191.020	30.73	-12.77	43.50	45.55	10.70	2.02	27.54	Peak	---	---
4	366.590	32.21	-13.79	46.00	42.30	14.74	2.87	27.70	Peak	---	---
5	385.990	31.78	-14.22	46.00	41.64	15.04	2.94	27.84	Peak	---	---
6	995.150	27.89	-26.11	54.00	27.91	22.38	4.95	27.35	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)

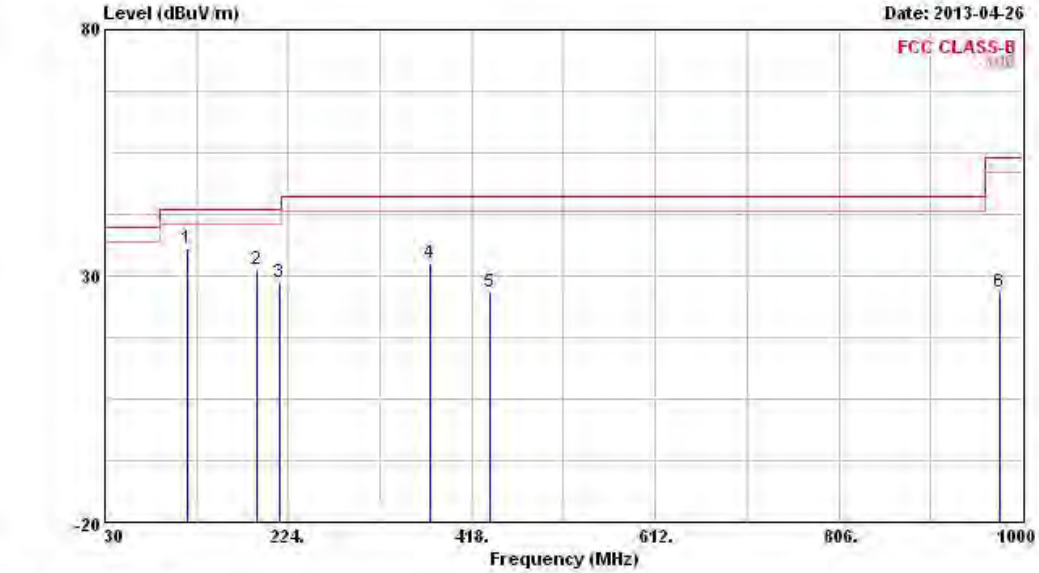
Transmitter Radiated Unwanted Emissions (Below 1GHz)			
Operating Mode	VHT-80_MCS0	**Polarization**	H
Operating Frequency	5210 MHz	**Configuration**	With PIFA Ant.



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	98.870	35.93	-7.57	43.50	51.43	11.01	1.39	27.90	Peak	---	---
2	215.270	37.87	-5.63	43.50	51.29	11.86	2.17	27.45	Peak	---	---
3	229.820	36.37	-9.63	46.00	49.19	12.33	2.26	27.41	Peak	---	---
4	377.260	39.31	-6.69	46.00	49.28	14.90	2.91	27.78	Peak	---	---
5	393.750	39.27	-6.73	46.00	49.05	15.16	2.96	27.90	Peak	---	---
6	916.580	28.81	-17.19	46.00	31.39	20.44	4.68	27.70	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)

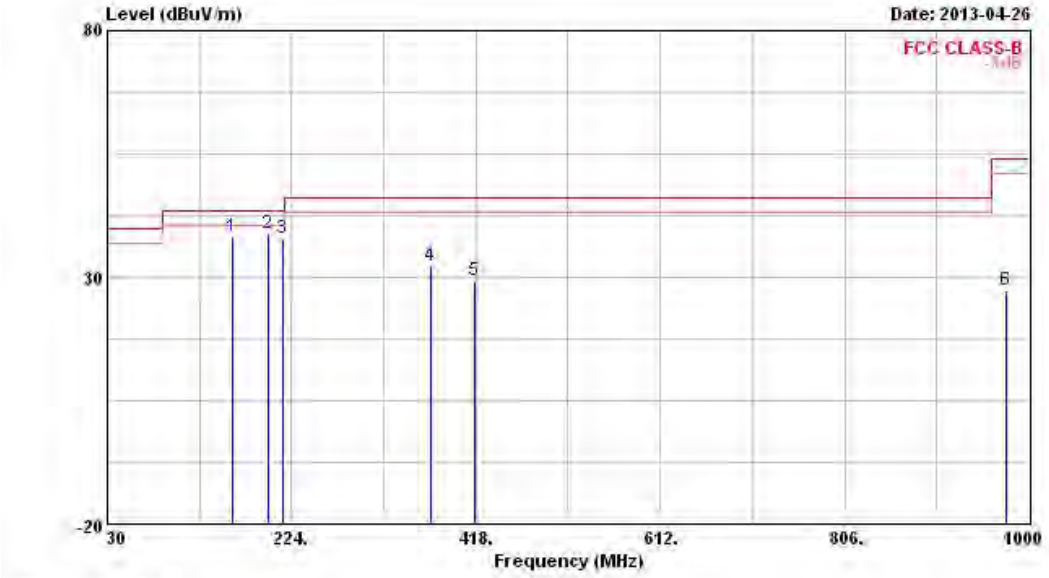
Transmitter Radiated Unwanted Emissions (Below 1GHz)			
Operating Mode	VHT-80_MCS0	**Polarization**	V
Operating Frequency	5210 MHz	**Configuration**	With PIFA Ant.



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	117.300	35.73	-7.77	43.50	48.76	13.27	1.53	27.83	Peak	---	---
2	191.020	31.30	-12.20	43.50	46.12	10.70	2.02	27.54	Peak	---	---
3	215.270	28.53	-14.97	43.50	41.95	11.86	2.17	27.45	Peak	---	---
4	374.350	32.61	-13.39	46.00	42.61	14.86	2.90	27.76	Peak	---	---
5	436.430	26.76	-19.24	46.00	35.78	16.00	3.12	28.14	Peak	---	---
6	975.750	26.86	-27.14	54.00	27.50	21.90	4.89	27.43	Peak	---	---

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

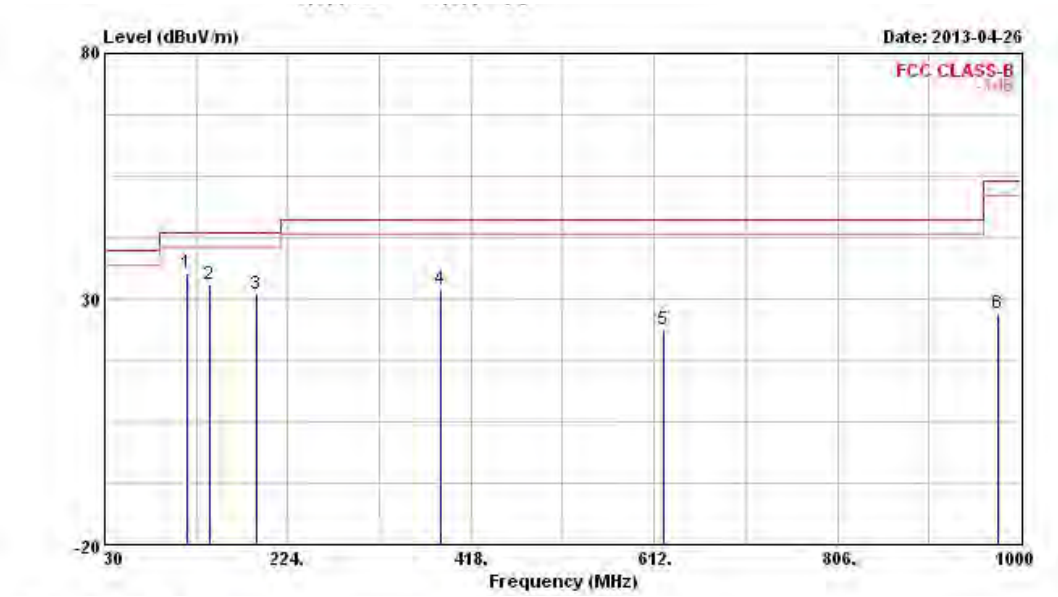
Transmitter Radiated Unwanted Emissions (Below 1GHz)			
Operating Mode	VHT-80_MCS0	**Polarization**	H
Operating Frequency	5290 MHz	**Configuration**	With PIFA Ant.



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1 @	160.950	38.24	-5.26	43.50	53.60	10.51	1.79	27.66	Peak	---	---
2 @	198.780	38.83	-4.67	43.50	53.00	11.28	2.06	27.51	Peak	---	---
3 @	215.270	37.87	-5.63	43.50	51.29	11.86	2.17	27.45	Peak	---	---
4	370.470	32.22	-13.78	46.00	42.26	14.80	2.89	27.73	Peak	---	---
5	417.030	29.23	-16.77	46.00	38.62	15.61	3.04	28.04	Peak	---	---
6	975.750	27.22	-26.78	54.00	27.86	21.90	4.89	27.43	Peak	---	---

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

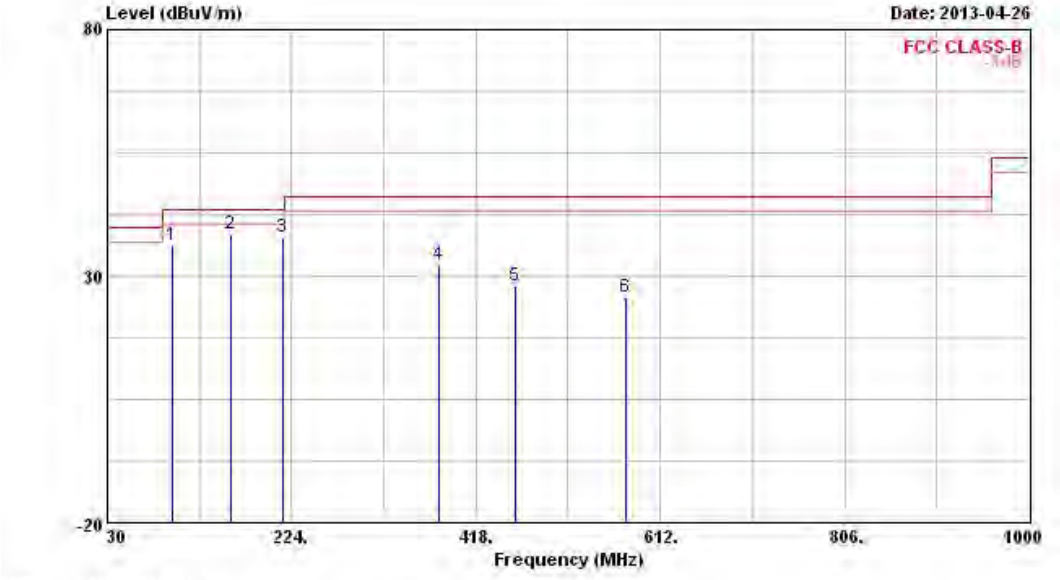
Transmitter Radiated Unwanted Emissions (Below 1GHz)			
Operating Mode	VHT-80_MCS0	**Polarization**	V
Operating Frequency	5290 MHz	**Configuration**	With PIFA Ant.



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	117.300	35.39	-8.11	43.50	48.42	13.27	1.53	27.83	Peak	---	---
2	141.550	32.85	-10.65	43.50	47.09	11.78	1.71	27.73	Peak	---	---
3	191.020	31.07	-12.43	43.50	45.89	10.70	2.02	27.54	Peak	---	---
4	385.020	32.10	-13.90	46.00	41.97	15.03	2.93	27.83	Peak	---	---
5	622.670	23.71	-22.29	46.00	28.57	19.88	3.79	28.53	Peak	---	---
6	975.750	27.19	-26.81	54.00	27.83	21.90	4.89	27.43	Peak	---	---

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

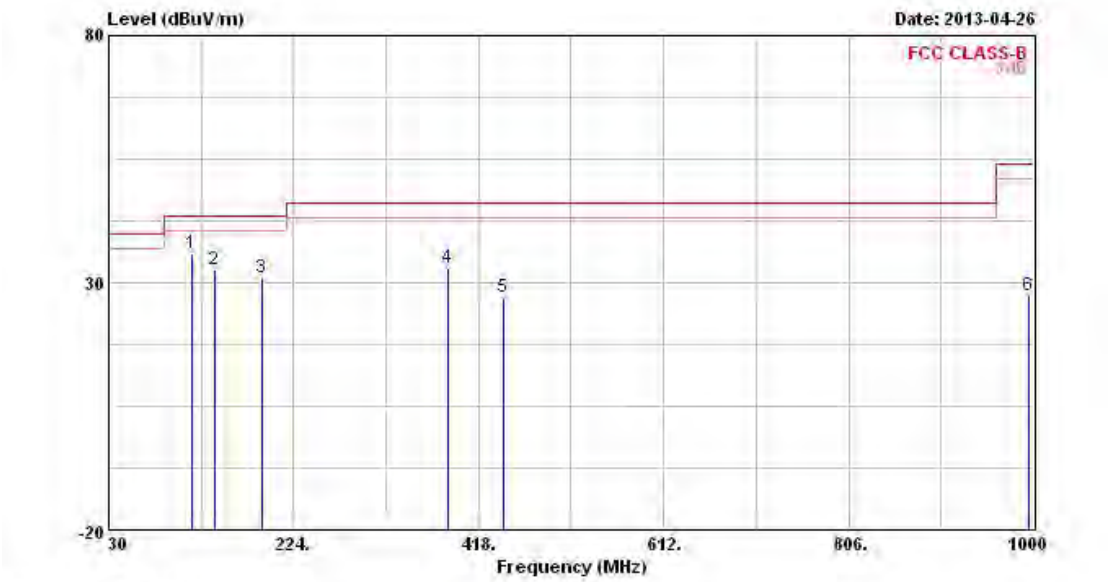
Transmitter Radiated Unwanted Emissions (Below 1GHz)			
Operating Mode	VHT-80_MCS0	**Polarization**	H
Operating Frequency	5530 MHz	**Configuration**	With PIFA Ant.



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	98.870	36.41	-7.09	43.50	51.91	11.01	1.39	27.90	Peak	---	---
2 @	159.980	38.57	-4.93	43.50	53.90	10.55	1.78	27.66	Peak	---	---
3 @	215.270	37.76	-5.74	43.50	51.18	11.86	2.17	27.45	Peak	---	---
4	378.230	32.35	-13.65	46.00	42.31	14.92	2.91	27.79	Peak	---	---
5	459.710	28.13	-17.87	46.00	36.71	16.47	3.22	28.27	Peak	---	---
6	575.140	25.71	-20.29	46.00	31.18	19.45	3.62	28.54	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	VHT-80_MCS0	**Polarization**	V
Operating Frequency	5530 MHz	**Configuration**	With PIFA Ant.



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	117.300	35.87	-7.63	43.50	48.90	13.27	1.53	27.83	Peak	---	---
2	141.550	32.56	-10.94	43.50	46.80	11.78	1.71	27.73	Peak	---	---
3	191.020	31.03	-12.47	43.50	45.85	10.70	2.02	27.54	Peak	---	---
4	385.020	32.93	-13.07	46.00	42.80	15.03	2.93	27.83	Peak	---	---
5	443.220	26.97	-19.03	46.00	35.87	16.14	3.14	28.18	Peak	---	---
6	994.180	27.48	-26.52	54.00	27.52	22.36	4.95	27.35	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)

3.6.5 Transmitter Unwanted Emissions (Above 1GHz)

Antenna-ports conducted measurements are used as an alternative to radiated measurements for demonstrating compliance in the restricted frequency bands; in the meanwhile, an additional radiated test with 50ohm terminator for cabinet spurious emission is also performed.

Transmitter Conducted Unwanted Emissions (5150-5250MHz band)						
Modulation	11a_6Mbps	**Test Frequency**	5180 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10481.20	-43.86	-41.74	7.77	-31.90	-21.2	Peak
10463.20	-53.97	-53.44	7.77	-42.93	-41.2	Average

Transmitter Conducted Unwanted Emissions (5150-5250MHz band)						
Modulation	11a_6Mbps	**Test Frequency**	5200 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10369.60	-41.26	-45.75	7.77	-32.18	-21.2	Peak
10441.60	-53.56	-53.56	7.77	-42.79	-41.2	Average

Transmitter Conducted Unwanted Emissions (5150-5250MHz band)						
Modulation	11a_6Mbps	**Test Frequency**	5240 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10489.70	-44.70	-40.80	7.77	-31.56	-21.2	Peak
10483.90	-53.38	-53.64	7.77	-42.74	-41.2	Average

Transmitter Conducted Unwanted Emissions (5250-5350MHz band)						
Modulation	11a_6Mbps	**Test Frequency**	5260 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10465.60	-43.12	-43.04	7.77	-32.31	-21.2	Peak
10481.20	-53.65	-53.65	7.77	-42.88	-41.2	Average

Transmitter Conducted Unwanted Emissions (5250-5350MHz band)						
Modulation	11a_6Mbps	**Test Frequency**	5300 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10440.60	-41.23	-44.46	7.77	-31.78	-21.2	Peak
10454.40	-53.47	-54.00	7.77	-42.96	-41.2	Average

Transmitter Conducted Unwanted Emissions (5250-5350MHz band)						
Modulation	11a_6Mbps	**Test Frequency**	5320 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10482.40	-41.87	-44.02	7.77	-32.04	-21.2	Peak
10452.50	-53.74	-53.48	7.77	-42.84	-41.2	Average

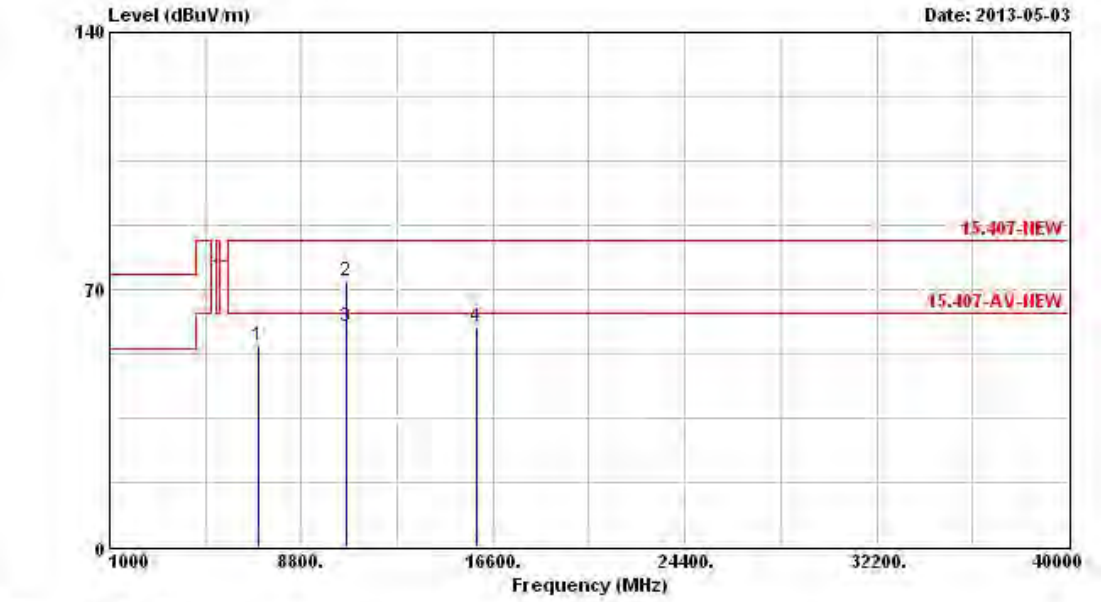
Transmitter Conducted Unwanted Emissions (5470-5725MHz band)						
Modulation	11a_6Mbps	**Test Frequency**	5500 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10459.90	-45.07	-41.49	7.77	-32.15	-21.2	Peak
10444.20	-53.54	-53.79	7.77	-42.89	-41.2	Average

Transmitter Conducted Unwanted Emissions (5470-5725MHz band)						
Modulation	11a_6Mbps	**Test Frequency**	5580 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10457.90	-41.75	-44.80	7.77	-32.24	-21.2	Peak
10476.60	-53.66	-53.66	7.77	-42.89	-41.2	Average

Transmitter Conducted Unwanted Emissions (5470-5725MHz band)						
Modulation	11a_6Mbps	**Test Frequency**	5700 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10475.90	-42.16	-43.16	7.77	-31.86	-21.2	Peak
10463.50	-53.19	-53.97	7.77	-42.79	-41.2	Average

Transmitter Conducted Unwanted Emissions (5470-5725MHz band)						
Modulation	11a_6Mbps	**Test Frequency**	5720 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10393.70	-42.03	-43.90	7.77	-32.09	-21.2	Peak
10476.80	-53.66	-53.40	7.77	-42.76	-41.2	Average

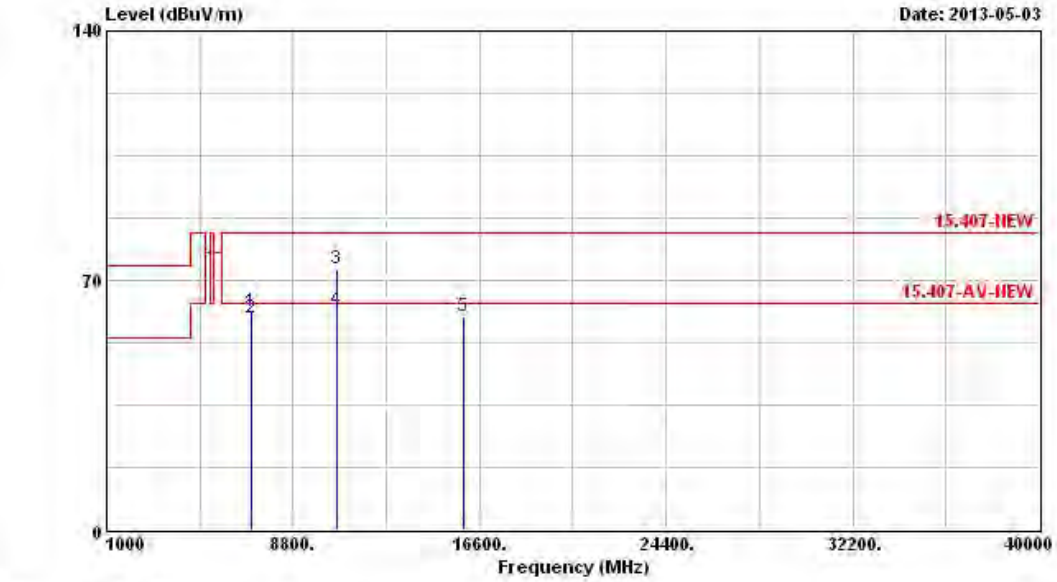
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Operating Mode	11a_6Mbps	**Polarization**	H
Operating Frequency	5300 MHz	**Configuration**	With 50Ω Terminated



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	7044.000	55.00	-8.54	63.54	49.10	35.30	5.70	35.10	PK	---	---
2	10600.000	72.19	-11.35	83.54	63.15	37.66	6.52	35.14	Peak	---	---
3	10600.000	59.92	-3.62	63.54	50.88	37.66	6.52	35.14	Average	---	---
4	15900.000	59.89	-3.65	63.54	46.26	40.80	8.29	35.46	PK	---	---

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Operating Mode	11a_6Mbps	**Polarization**	V
Operating Frequency	5300 MHz	**Configuration**	With 50Ω Terminated



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	7044.000	61.39	-22.15	83.54	55.49	35.30	5.70	35.10	Peak	---	---
2	7044.000	59.40	-4.14	63.54	53.50	35.30	5.70	35.10	Average	---	---
3	10600.000	73.05	-10.49	83.54	64.01	37.66	6.52	35.14	Peak	---	---
4	10600.000	61.87	-1.67	63.54	52.83	37.66	6.52	35.14	Average	---	---
5	15900.000	59.72	-3.82	63.54	46.09	40.80	8.29	35.46	PK	---	---

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

Transmitter Conducted Unwanted Emissions (5150-5250MHz band)						
Modulation	HT-20_MCS0	**Test Frequency**	5180 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10476.80	-42.57	-41.95	7.77	-31.48	-21.2	Peak
10445.50	-53.52	-53.78	7.77	-42.88	-41.2	Average

Transmitter Conducted Unwanted Emissions (5150-5250MHz band)						
Modulation	HT-20_MCS0	**Test Frequency**	5200 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10426.30	-42.18	-42.31	7.77	-31.47	-21.2	Peak
10465.30	-53.70	-53.70	7.77	-42.93	-41.2	Average

Transmitter Conducted Unwanted Emissions (5150-5250MHz band)						
Modulation	HT-20_MCS0	**Test Frequency**	5240 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10475.50	-42.94	-43.24	7.77	-32.32	-21.2	Peak
10476.60	-53.15	-53.40	7.77	-42.50	-41.2	Average

Transmitter Conducted Unwanted Emissions (5250-5350MHz band)						
Modulation	HT-20_MCS0	**Test Frequency**	5260 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10446.70	-42.97	-43.58	7.77	-32.49	-21.2	Peak
10466.40	-53.96	-53.18	7.77	-42.78	-41.2	Average

Transmitter Conducted Unwanted Emissions (5250-5350MHz band)						
Modulation	HT-20_MCS0	**Test Frequency**	5300 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10437.30	-43.98	-42.35	7.77	-32.32	-21.2	Peak
10439.10	-53.58	-53.84	7.77	-42.94	-41.2	Average

Transmitter Conducted Unwanted Emissions (5250-5350MHz band)						
Modulation	HT-20_MCS0	**Test Frequency**	5320 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10486.40	-44.62	-41.28	7.77	-31.87	-21.2	Peak
10460.90	-53.71	-53.71	7.77	-42.94	-41.2	Average

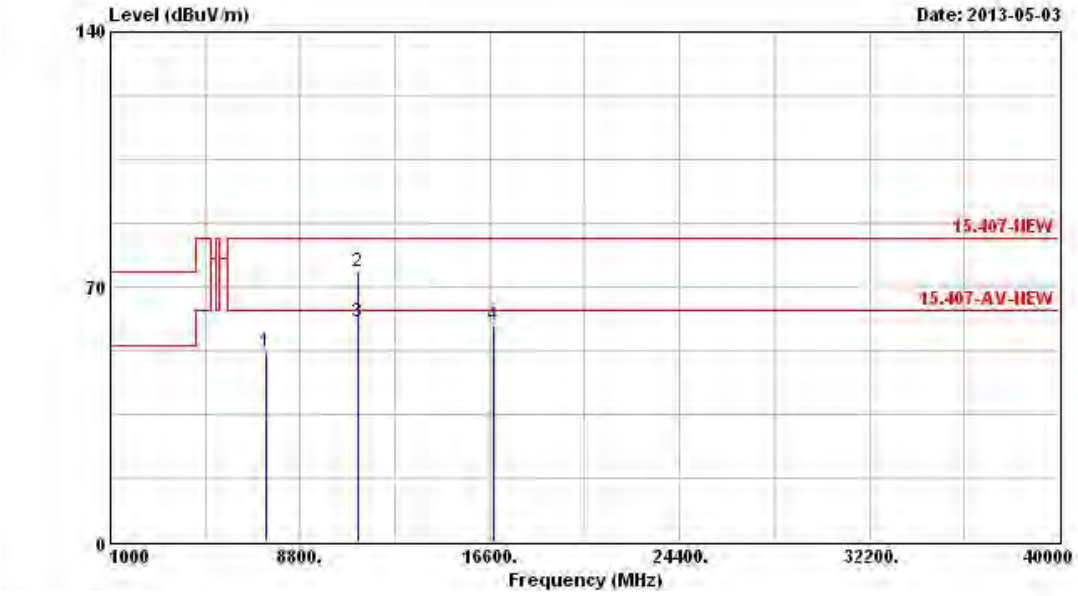
Transmitter Conducted Unwanted Emissions (5470-5725MHz band)						
Modulation	HT-20_MCS0	**Test Frequency**	5500 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10403.20	-43.51	-42.45	7.77	-32.18	-21.2	Peak
10438.60	-53.84	-53.59	7.77	-42.94	-41.2	Average

Transmitter Conducted Unwanted Emissions (5470-5725MHz band)						
Modulation	HT-20_MCS0	**Test Frequency**	5580 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10428.10	-42.36	-43.82	7.77	-32.26	-21.2	Peak
10480.20	-53.39	-53.92	7.77	-42.88	-41.2	Average

Transmitter Conducted Unwanted Emissions (5470-5725MHz band)						
Modulation	HT-20_MCS0	**Test Frequency**	5700 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10452.80	-40.62	-45.19	7.77	-31.56	-21.2	Peak
10486.80	-53.63	-53.63	7.77	-42.86	-41.2	Average

Transmitter Conducted Unwanted Emissions (5470-5725MHz band)						
Modulation	HT-20_MCS0	**Test Frequency**	5720 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10443.40	-44.70	-41.45	7.76	-32.01	-21.2	Peak
10430.30	-53.41	-53.92	7.76	-42.89	-41.2	Average

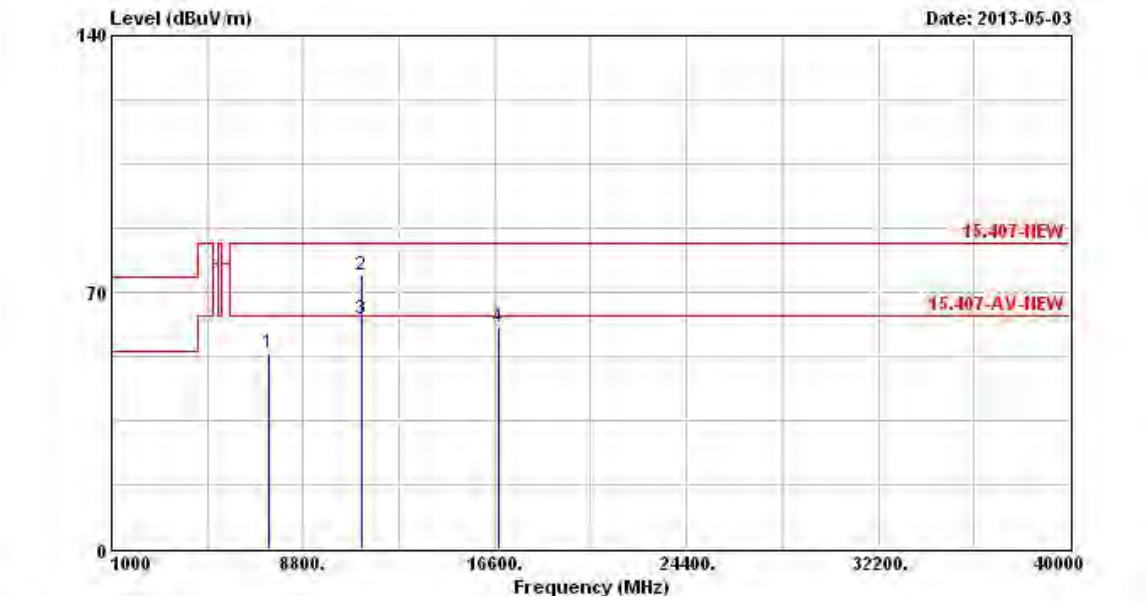
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Operating Mode	HT-20_MCS0	**Polarization**	H
Operating Frequency	5580 MHz	**Configuration**	With 50Ω Terminated



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	7428.000	52.08	-11.46	63.54	46.27	35.30	5.71	35.20	PK	---	---
2	11160.000	73.98	-9.56	83.54	64.29	38.03	6.49	34.83	Peak	---	---
3	11160.000	60.48	-3.06	63.54	50.79	38.03	6.49	34.83	Average	---	---
4	16740.000	59.58	-3.96	63.54	45.00	40.90	8.28	34.60	PK	---	---

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Operating Mode	HT-20_MCS0	**Polarization**	V
Operating Frequency	5580 MHz	**Configuration**	With 50Ω Terminated



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	7428.000	53.58	-9.96	63.54	47.77	35.30	5.71	35.20	PK	---	---
2	11172.000	74.76	-8.78	83.54	65.07	38.03	6.49	34.83	Peak	---	---
3	11172.000	62.48	-1.06	63.54	52.79	38.03	6.49	34.83	Average	---	---
4	16740.000	60.22	-3.32	63.54	45.64	40.90	8.28	34.60	PK	---	---

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

Transmitter Conducted Unwanted Emissions (5150-5250MHz band)						
Modulation	HT-40_MCS0	**Test Frequency**	5190 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10489.70	-45.17	-41.78	7.77	-32.38	-21.2	Peak
10447.30	-53.51	-53.77	7.77	-42.87	-41.2	Average

Transmitter Conducted Unwanted Emissions (5150-5250MHz band)						
Modulation	HT-40_MCS0	**Test Frequency**	5230 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10348.90	-44.32	-42.32	7.77	-32.44	-21.2	Peak
10439.80	-53.32	-53.83	7.77	-42.80	-41.2	Average

Transmitter Conducted Unwanted Emissions (5250-5350MHz band)						
Modulation	HT-40_MCS0	**Test Frequency**	5270 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10455.40	-44.62	-41.28	7.77	-31.87	-21.2	Peak
10460.90	-53.71	-53.71	7.77	-42.94	-41.2	Average

Transmitter Conducted Unwanted Emissions (5250-5350MHz band)						
Modulation	HT-40_MCS0	**Test Frequency**	5310 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10450.40	-44.64	-42.03	7.77	-32.37	-21.2	Peak
10458.00	-53.46	-53.99	7.77	-42.95	-41.2	Average

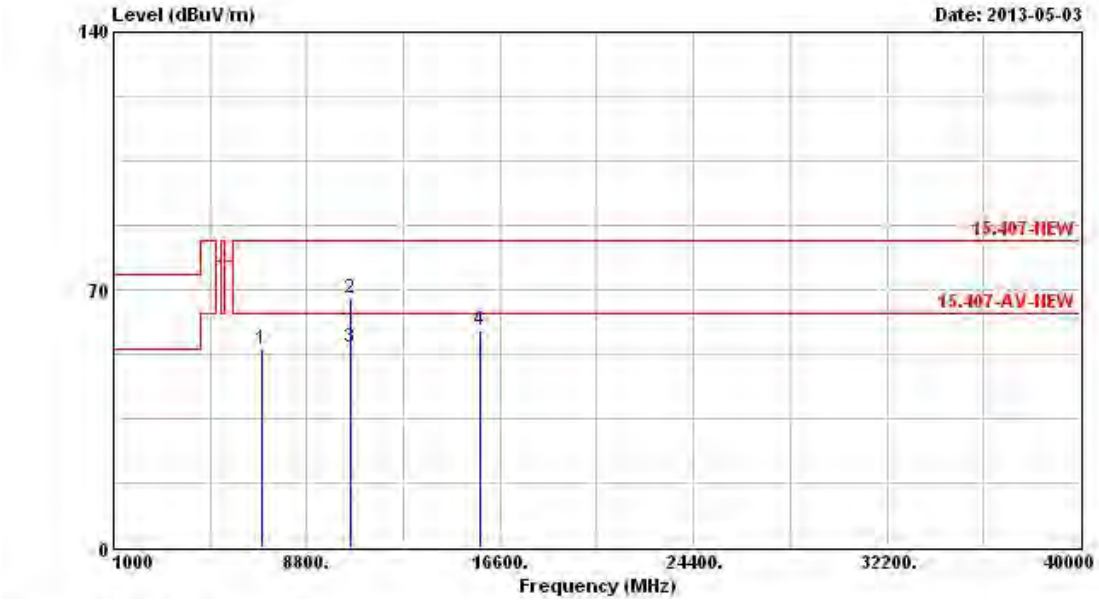
Transmitter Conducted Unwanted Emissions (5470-5725MHz band)						
Modulation	HT-40_MCS0	**Test Frequency**	5510 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10449.40	-44.92	-41.52	7.77	-32.13	-21.2	Peak
10461.50	-53.45	-53.98	7.77	-42.94	-41.2	Average

Transmitter Conducted Unwanted Emissions (5470-5725MHz band)						
Modulation	HT-40_MCS0	**Test Frequency**	5550 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10465.30	-44.78	-42.19	7.77	-32.52	-21.2	Peak
10459.90	-53.71	-53.45	7.77	-42.81	-41.2	Average

Transmitter Conducted Unwanted Emissions (5470-5725MHz band)						
Modulation	HT-40_MCS0	**Test Frequency**	5670 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10301.90	-41.72	-44.55	7.77	-32.14	-21.2	Peak
10461.80	-53.45	-53.97	7.77	-42.93	-41.2	Average

Transmitter Conducted Unwanted Emissions (5470-5725MHz band)						
Modulation	HT-40_MCS0	**Test Frequency**	5710 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10443.20	-43.30	-42.57	7.76	-32.15	-21.2	Peak
10451.60	-53.74	-53.74	7.76	-42.97	-41.2	Average

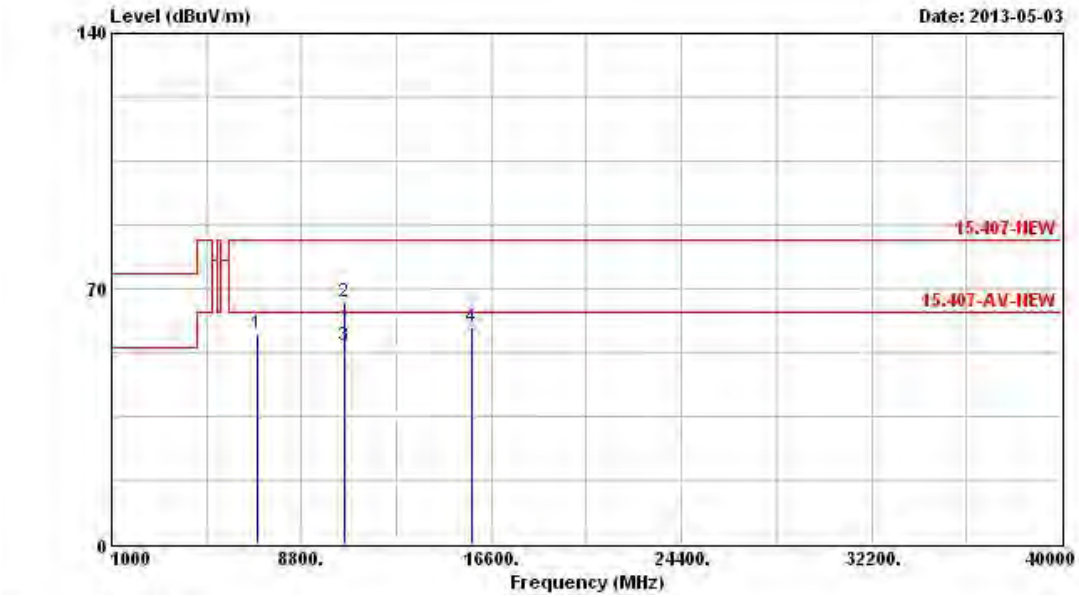
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Operating Mode	HT-40_MCS0	**Polarization**	H
Operating Frequency	5270 MHz	**Configuration**	With 50Ω Terminated



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	6996.000	53.70	-9.84	63.54	47.79	35.30	5.70	35.09	PK	---	---
2	10540.000	67.51	-16.03	83.54	58.54	37.62	6.53	35.18	Peak	---	---
3	10540.000	54.32	-9.22	63.54	45.35	37.62	6.53	35.18	Average	---	---
4	15810.000	59.10	-4.44	63.54	45.55	40.71	8.22	35.38	PK	---	---

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Operating Mode	HT-40_MCS0	**Polarization**	V
Operating Frequency	5270 MHz	**Configuration**	With 50Ω Terminated



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	6996.000	57.45	-6.09	63.54	51.54	35.30	5.70	35.09	PK	---	---
2	10540.000	66.30	-17.24	83.54	57.33	37.62	6.53	35.18	Peak	---	---
3	10540.000	54.34	-9.20	63.54	45.37	37.62	6.53	35.18	Average	---	---
4	15810.000	59.41	-4.13	63.54	45.86	40.71	8.22	35.38	PK	---	---

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

Transmitter Conducted Unwanted Emissions (5150-5250MHz band)						
Modulation	VHT-20_MCS0	**Test Frequency**	5180 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10377.20	-44.79	-41.64	7.77	-32.17	-21.2	Peak
10477.30	-53.66	-53.66	7.77	-42.89	-41.2	Average

Transmitter Conducted Unwanted Emissions (5150-5250MHz band)						
Modulation	VHT-20_MCS0	**Test Frequency**	5200 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10449.60	-44.73	-41.52	7.77	-32.06	-21.2	Peak
10398.50	-53.95	-53.45	7.77	-42.92	-41.2	Average

Transmitter Conducted Unwanted Emissions (5150-5250MHz band)						
Modulation	VHT-20_MCS0	**Test Frequency**	5240 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10463.10	-44.43	-41.48	7.77	-31.94	-21.2	Peak
10474.50	-53.41	-53.16	7.77	-42.51	-41.2	Average

Transmitter Conducted Unwanted Emissions (5250-5350MHz band)						
Modulation	VHT-20_MCS0	**Test Frequency**	5260 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10384.70	-43.69	-42.18	7.77	-32.10	-21.2	Peak
10477.60	-53.66	-53.93	7.77	-43.02	-41.2	Average

Transmitter Conducted Unwanted Emissions (5250-5350MHz band)						
Modulation	VHT-20_MCS0	**Test Frequency**	5300 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10434.90	-42.44	-41.41	7.77	-31.12	-21.2	Peak
10444.30	-53.79	-53.53	7.77	-42.89	-41.2	Average

Transmitter Conducted Unwanted Emissions (5250-5350MHz band)						
Modulation	VHT-20_MCS0	**Test Frequency**	5320 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10480.10	-42.35	-43.23	7.77	-32.00	-21.2	Peak
10485.60	-53.90	-53.38	7.77	-42.86	-41.2	Average

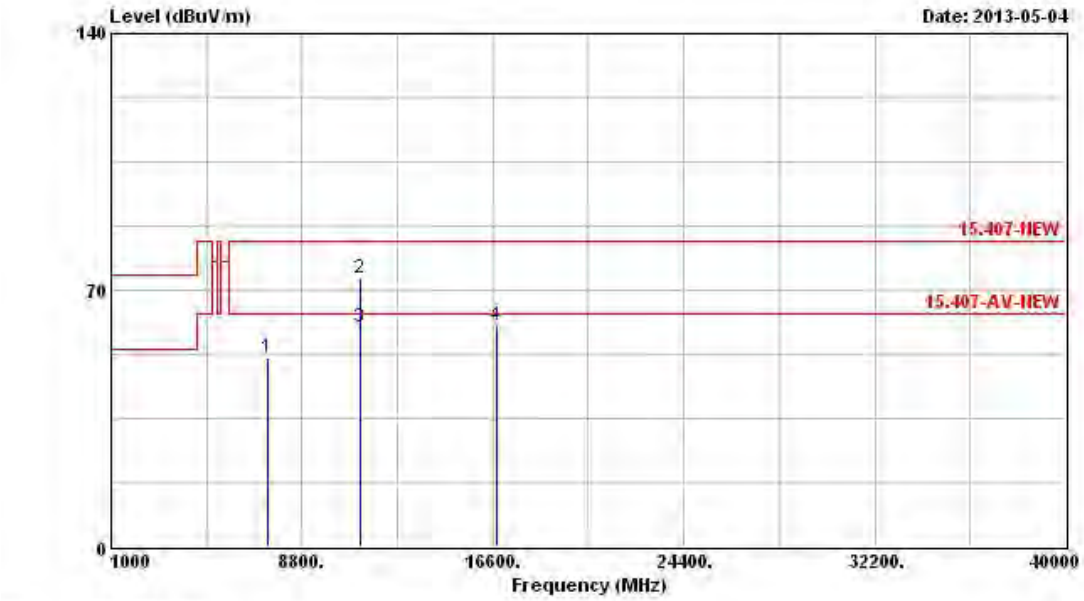
Transmitter Conducted Unwanted Emissions (5470-5725MHz band)						
Modulation	VHT-20_MCS0	**Test Frequency**	5500 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10417.30	-43.38	-42.94	7.77	-32.38	-21.2	Peak
10441.90	-53.56	53.82	7.77	-42.92	-41.2	Average

Transmitter Conducted Unwanted Emissions (5470-5725MHz band)						
Modulation	VHT-20_MCS0	**Test Frequency**	5580 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10315.30	-41.49	-44.26	7.77	-31.89	-21.2	Peak
10479.10	-53.66	-53.66	7.77	-42.89	-41.2	Average

Transmitter Conducted Unwanted Emissions (5470-5725MHz band)						
Modulation	VHT-20_MCS0	**Test Frequency**	5700 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10494.40	-44.51	-41.64	7.77	-32.07	-21.2	Peak
10438.70	-53.84	-53.33	7.77	-42.81	-41.2	Average

Transmitter Conducted Unwanted Emissions (5470-5725MHz band)						
Modulation	VHT-20_MCS0	**Test Frequency**	5720 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10458.70	-42.34	-42.21	7.77	-31.50	-21.2	Peak
10486.30	-53.63	-53.63	7.77	-42.86	-41.2	Average

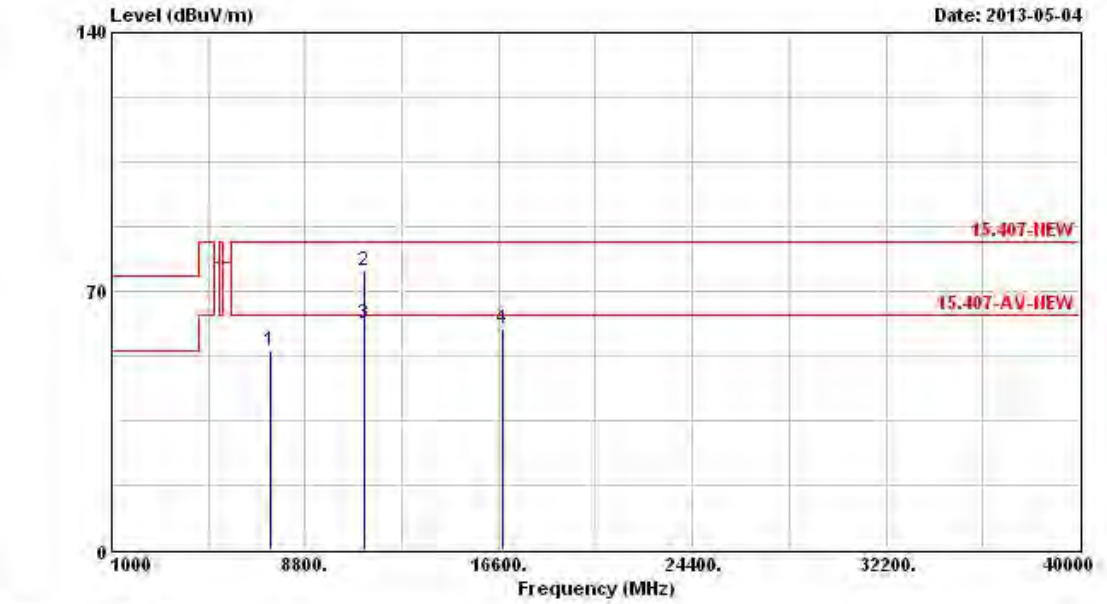
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Operating Mode	VHT-20_MCS0	**Polarization**	H
Operating Frequency	5580 MHz	**Configuration**	With 50Ω Terminated



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	7428.000	51.51	-12.03	63.54	45.70	35.30	5.71	35.20	PK	---	---
2	11160.000	73.12	-10.42	83.54	63.43	38.03	6.49	34.83	Peak	---	---
3	11160.000	59.97	-3.57	63.54	50.28	38.03	6.49	34.83	Average	---	---
4	16740.000	60.15	-3.39	63.54	45.57	40.90	8.28	34.60	PK	---	---

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Operating Mode	VHT-20_MCS0	**Polarization**	V
Operating Frequency	5580 MHz	**Configuration**	With 50Ω Terminated



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	7428.000	53.69	-9.85	63.54	47.88	35.30	5.71	35.20	PK	---	---
2	11160.000	75.53	-8.01	83.54	65.84	38.03	6.49	34.83	Peak	---	---
3	11160.000	61.45	-2.09	63.54	51.76	38.03	6.49	34.83	Average	---	---
4	16740.000	59.84	-3.70	63.54	45.26	40.90	8.28	34.60	PK	---	---

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

Transmitter Conducted Unwanted Emissions (5150-5250MHz band)						
Modulation	VHT-40_MCS0	**Test Frequency**	5190 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10477.50	-42.50	-43.31	7.77	-32.12	-21.2	Peak
10456.60	-53.99	-53.21	7.77	-42.81	-41.2	Average

Transmitter Conducted Unwanted Emissions (5150-5250MHz band)						
Modulation	VHT-40_MCS0	**Test Frequency**	5230 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10458.70	-43.21	-43.14	7.77	-32.40	-21.2	Peak
10455.30	-53.47	-53.47	7.77	-42.70	-41.2	Average

Transmitter Conducted Unwanted Emissions (5250-5350MHz band)						
Modulation	VHT-40_MCS0	**Test Frequency**	5270 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10418.10	-43.45	-42.86	7.77	-32.37	-21.2	Peak
10439.70	-53.58	-53.84	7.77	-42.94	-41.2	Average

Transmitter Conducted Unwanted Emissions (5250-5350MHz band)						
Modulation	VHT-40_MCS0	**Test Frequency**	5310 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10466.20	-42.05	-44.24	7.77	-32.24	-21.2	Peak
10459.90	-53.45	-53.71	7.77	-42.81	-41.2	Average

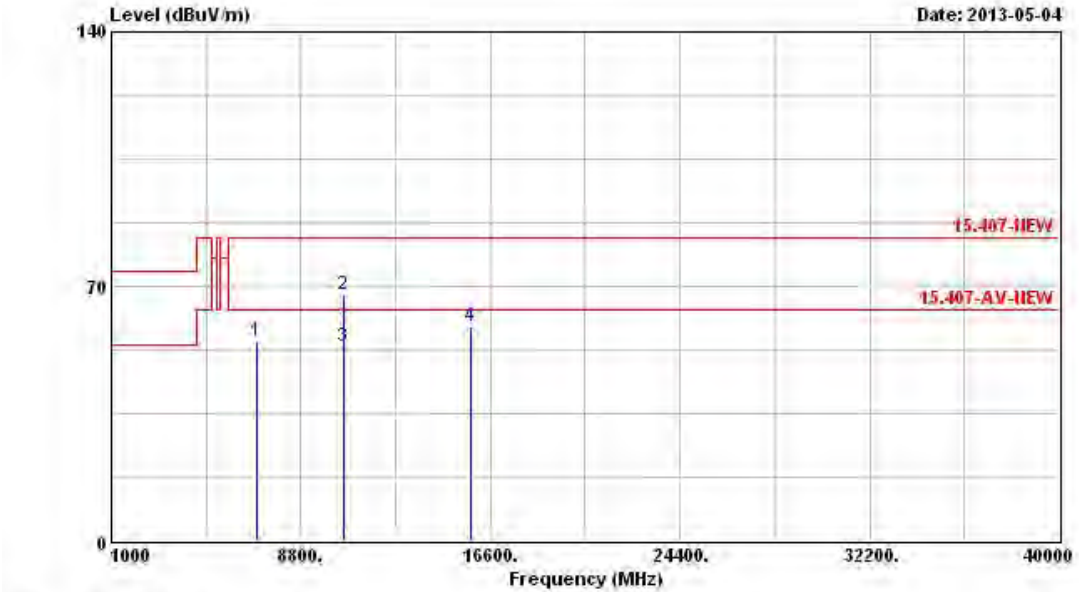
Transmitter Conducted Unwanted Emissions (5470-5725MHz band)						
Modulation	VHT-40_MCS0	**Test Frequency**	5510 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10367.70	-44.00	-42.22	7.77	-32.25	-21.2	Peak
10439.50	-53.84	-53.58	7.77	-42.94	-41.2	Average

Transmitter Conducted Unwanted Emissions (5470-5725MHz band)						
Modulation	VHT-40_MCS0	**Test Frequency**	5550 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10432.00	-43.32	42.53	7.77	-32.14	-21.2	Peak
10436.10	-53.61	-53.87	7.77	-42.97	-41.2	Average

Transmitter Conducted Unwanted Emissions (5470-5725MHz band)						
Modulation	VHT-40_MCS0	**Test Frequency**	5670 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10447.10	-42.53	-43.98	7.77	-32.42	-21.2	Peak
10440.80	-53.57	-53.83	7.77	-42.93	-41.2	Average

Transmitter Conducted Unwanted Emissions (5470-5725MHz band)						
Modulation	VHT-40_MCS0	**Test Frequency**	5710 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10370.90	-42.19	-43.38	7.77	-31.97	-21.2	Peak
10482.30	-53.39	-53.91	7.77	-42.87	-41.2	Average

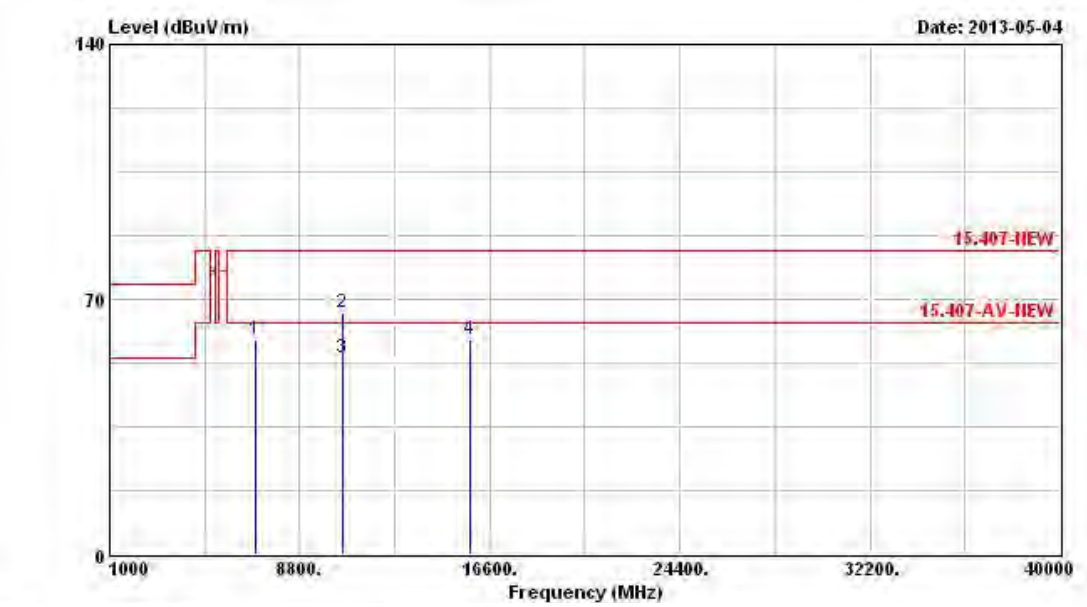
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Operating Mode	VHT-40_MCS0	**Polarization**	H
Operating Frequency	5270 MHz	**Configuration**	With 50Ω Terminated



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	6996.000	54.63	-8.91	63.54	48.72	35.30	5.70	35.09	PK	---	---
2	10540.000	67.76	-15.78	83.54	58.79	37.62	6.53	35.18	Peak	---	---
3	10540.000	53.43	-10.11	63.54	44.46	37.62	6.53	35.18	Average	---	---
4	15810.000	58.88	-4.66	63.54	45.33	40.71	8.22	35.38	PK	---	---

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Operating Mode	VHT-40_MCS0	**Polarization**	V
Operating Frequency	5270 MHz	**Configuration**	With 50Ω Terminated



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	6996.000	58.75	-4.79	63.54	52.84	35.30	5.70	35.09	PK	---	---
2	10540.000	66.53	-17.01	83.54	57.56	37.62	6.53	35.18	Peak	---	---
3	10540.000	53.77	-9.77	63.54	44.80	37.62	6.53	35.18	Average	---	---
4	15810.000	58.90	-4.64	63.54	45.35	40.71	8.22	35.38	PK	---	---

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

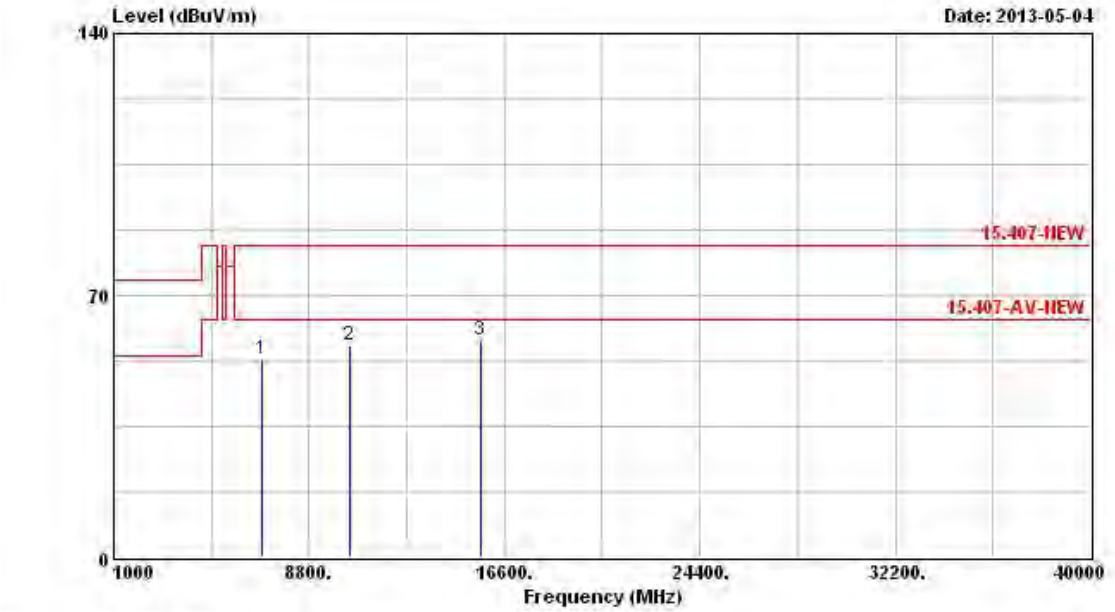
Transmitter Conducted Unwanted Emissions (5150-5250MHz band)						
Modulation	VHT-80_MCS0	**Test Frequency**	5210 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10459.90	-43.44	-42.62	7.77	-32.24	-21.2	Peak
10446.80	-53.51	-53.77	7.77	-42.87	-41.2	Average

Transmitter Conducted Unwanted Emissions (5250-5350MHz band)						
Modulation	VHT-80_MCS0	**Test Frequency**	5290 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10458.30	-43.85	-42.07	7.77	-32.10	-21.2	Peak
10466.40	-53.69	-53.69	7.77	-42.92	-41.2	Average

Transmitter Conducted Unwanted Emissions (5470-5725MHz band)						
Modulation	VHT-80_MCS0	**Test Frequency**	5530 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10450.80	-44.46	-41.96	7.77	-32.26	-21.2	Peak
10462.60	-53.45	-53.71	7.77	-42.81	-41.2	Average
Note[1]: Using conducted method with composite antenna gain to test unwanted emissions in restricted bands may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance was demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred. The result does show it is compliant. Please refer to radiated section 3.6 in this report.						

Transmitter Conducted Unwanted Emissions (5470-5725MHz band)						
Modulation	VHT-80_MCS0	**Test Frequency**	5690 MHz		**NTX**	2
Frequency (MHz)	**Chain 0 Test Level (dBm)**	**Chain 1 Test Level (dBm)**	**DG (dBi)**	**EIRP Level (dBm)**	**Limit (dBm)**	**Level Type**
10431.50	-42.13	-44.12	7.77	-32.24	-21.2	Peak
10488.10	-53.90	-53.63	7.77	-42.99	-41.2	Average

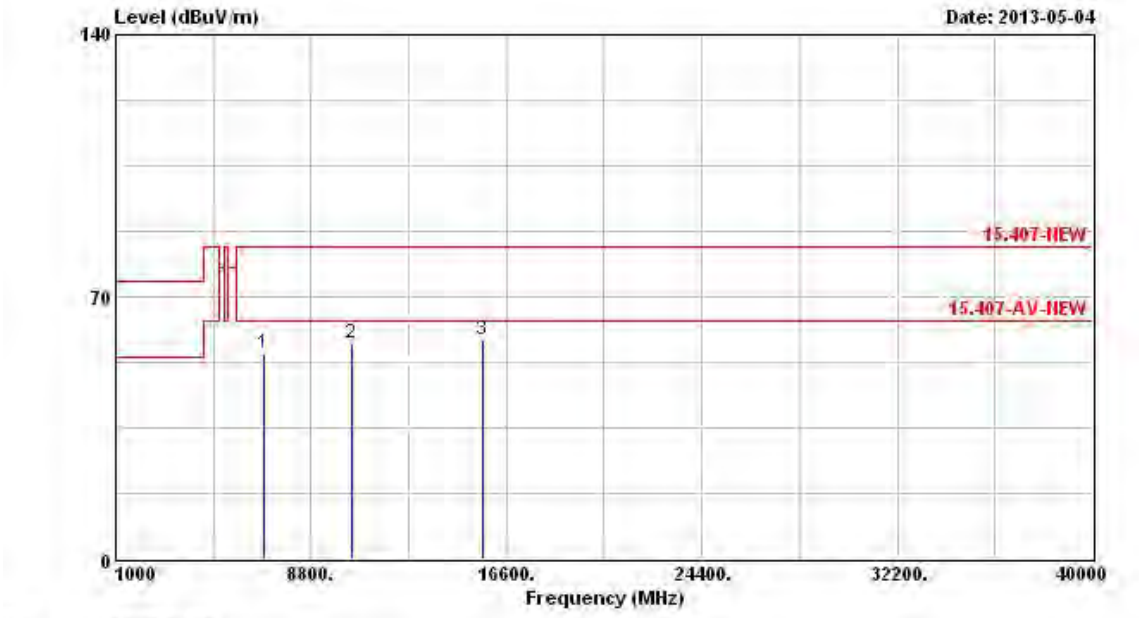
Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Operating Mode	VHT-80_MCS0	**Polarization**	H
Operating Frequency	5210 MHz	**Configuration**	With 50Ω Terminated



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	6936.000	52.75	-10.79	63.54	46.84	35.29	5.70	35.08	PK	---	---
2	10420.000	56.47	-7.07	63.54	47.74	37.55	6.46	35.28	PK	---	---
3	15630.000	58.13	-5.41	63.54	44.77	40.54	8.03	35.21	PK	---	---

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

Transmitter Radiated Unwanted Emissions (Above 1GHz)			
Operating Mode	VHT-80_MCS0	**Polarization**	H
Operating Frequency	5210 MHz	**Configuration**	With 50Ω Terminated



	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	6936.000	55.00	-8.54	63.54	49.09	35.29	5.70	35.08	PK	---	---
2	10440.000	57.56	-5.98	63.54	48.80	37.56	6.46	35.26	PK	---	---
3	15630.000	58.65	-4.89	63.54	45.29	40.54	8.03	35.21	PK	---	---

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

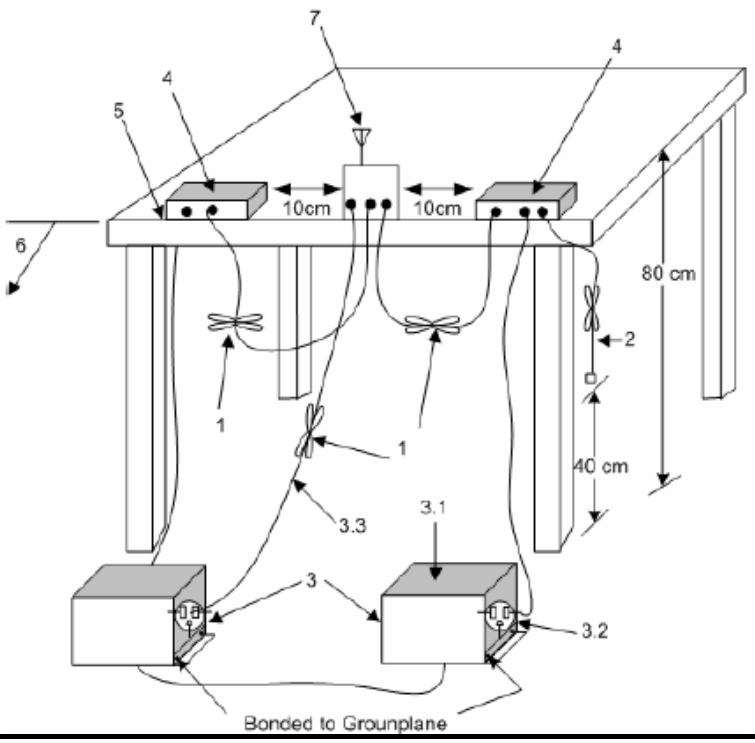
3.7 AC Power-line Conducted Emissions

3.7.1 Test Procedures

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

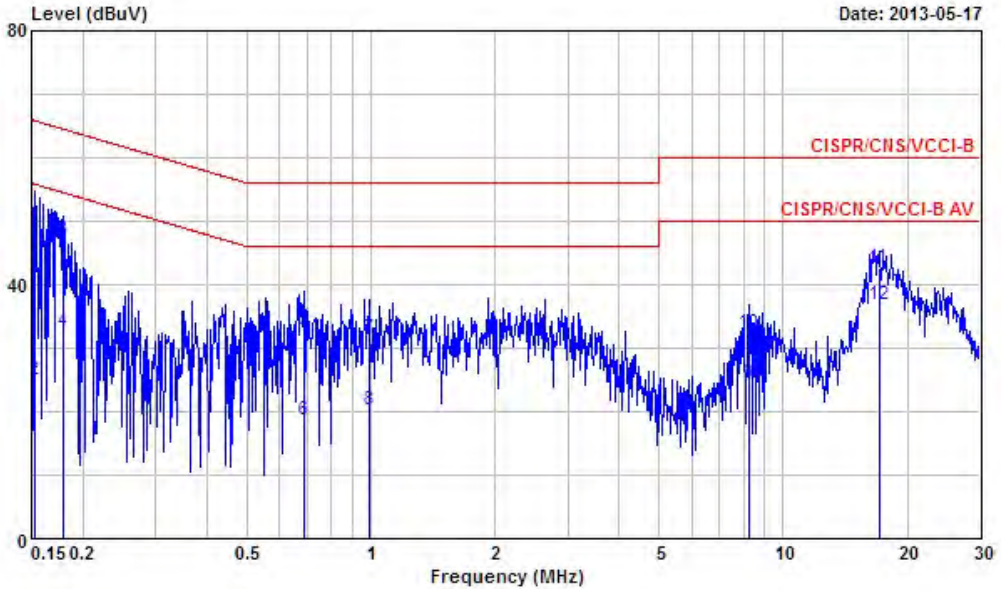
3.7.2 Test Setup

AC Power-line Conducted Emissions



3.7.3 Test Result of AC Power-line Conducted Emissions

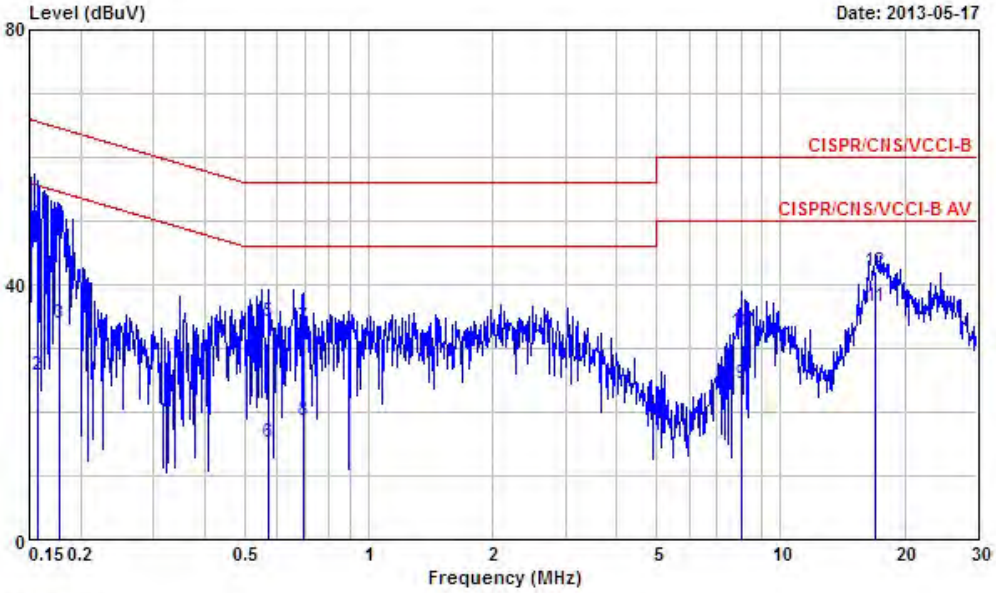
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	Normal link		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.1524030	49.36	-16.51	65.87	48.86	0.24	0.26	QP
2	0.1524030	24.88	-30.99	55.87	24.38	0.24	0.26	Average
3	0.1786590	47.23	-17.32	64.55	46.83	0.23	0.17	QP
4	0.1786590	32.54	-22.01	54.55	32.14	0.23	0.17	Average
5	0.6862570	32.98	-23.02	56.00	32.59	0.23	0.16	QP
6	0.6862570	18.63	-27.37	46.00	18.24	0.23	0.16	Average
7	0.9891400	31.52	-24.48	56.00	31.09	0.23	0.20	QP
8	0.9891400	20.38	-25.62	46.00	19.95	0.23	0.20	Average
9	8.240	24.38	-25.62	50.00	23.87	0.39	0.12	Average
10	8.240	32.41	-27.59	60.00	31.90	0.39	0.12	QP
11	17.110	42.70	-17.30	60.00	41.97	0.53	0.20	QP
12	17.110	36.91	-13.09	50.00	36.18	0.53	0.20	Average

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

AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Line
Operating Function	Normal link		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.1564950	49.79	-15.86	65.65	49.44	0.11	0.24	QP
2	0.1564950	25.81	-29.84	55.65	25.46	0.11	0.24	Average
3	0.1777150	33.84	-20.75	54.59	33.56	0.11	0.17	Average
4	0.1777150	48.56	-16.03	64.59	48.28	0.11	0.17	QP
5	0.5731280	34.18	-21.82	56.00	33.94	0.10	0.14	QP
6	0.5731280	15.30	-30.70	46.00	15.06	0.10	0.14	Average
7	0.6972520	33.33	-22.67	56.00	33.06	0.11	0.16	QP
8	0.6972520	18.59	-27.41	46.00	18.32	0.11	0.16	Average
9	8.020	24.58	-25.42	50.00	24.24	0.22	0.12	Average
10	8.020	32.58	-27.42	60.00	32.24	0.22	0.12	QP
11	17.020	36.57	-13.43	50.00	36.08	0.29	0.20	Average
12	17.020	42.06	-17.94	60.00	41.57	0.29	0.20	QP

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

4 Test Equipment and Calibration Data

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

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

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Spectrum Analyzer	R&S	FSP 40	100305	9KHz~40GHz	Mar. 20, 2013	Conducted (TH01-HY)
AC Power Source	G.W	APS-9102	EL920581	AC 0V ~ 300V	Jul. 02, 2012	Conducted (TH01-HY)
Temp. and Humidity Chamber	Giant Force	GTH-225-20-SP-SD	MAA1112-007	-20 ~ 100℃	Nov. 21, 2012	Conducted (TH01-HY)
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	Jun. 26, 2012	Conducted (TH01-HY)
Power Sensor	Anritsu	MA2411B	0917017	300MHz ~ 40GHz	Feb. 02, 2013	Conducted (TH01-HY)
Power Meter	Anritsu	ML2495A	0949003	300MHz ~ 40GHz	Feb. 02, 2013	Conducted (TH01-HY)
RF Cable-2m	HUBER+SUHNER	SUCOFLEX_104	SN 345675/4	1GHz ~ 26.5GHz	NA	Conducted (TH01-HY)
RF Cable-3m	HUBER+SUHNER	SUCOFLEX_104	SN 345669/4	1GHz ~ 26.5GHz	NA	Conducted (TH01-HY)

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

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Spectrum Analyzer	R&S	FSP40	100593	9kHz ~ 40GHz	Sep. 14, 2012	Radiation (03CH02-HY)
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz ~ 1GHz 3m	May 10, 2012	Radiation (03CH02-HY)
Amplifier	Agilent	8447D	2944A11146	100kHz ~ 1.3GHz	Jul. 23, 2012	Radiation (03CH02-HY)
Amplifier	Agilent	8449B	3008A02373	1GHz ~ 26.5GHz	Aug. 10, 2012	Radiation (03CH02-HY)
Horn Antenna	ETS-LINDGREN	3117	00091920	1GHz ~ 18GHz	Nov. 16, 2012	Radiation (03CH02-HY)
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170154	15GHz ~ 40GHz	Jan. 08, 2013	Radiation (03CH02-HY)
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz ~ 1GHz	Nov. 10, 2012	Radiation (03CH02-HY)
RF Cable-high	SUHNER	SUCOFLEX106	03CH02-HY	1GHz ~ 40GHz	Mar. 05, 2013	Radiation (03CH02-HY)
Bilog Antenna	SCHAFFNER	CBL61128	2723	30MHz ~ 2GHz	Oct. 22, 2012	Radiation (03CH02-HY)
Turn Table	HD	DS 420	420/649/00	0~ 360 degree	N/A	Radiation (03CH02-HY)
Antenna Mast	HD	MA 240	240/559/00	1 ~ 4 m	N/A	Radiation (03CH02-HY)

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

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Loop Antenna	TESEQ	HLA 6120	31244	9 kHz - 30 MHz	Dec. 02, 2012	Radiation (03CH02-HY)

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