



# FCC Test Report

Equipment : Linksys Smart Wi-Fi Router AC1200  
Brand Name : LINKSYS  
Model No. : EA6350 V3  
FCC ID : Q87-EA6350V3  
Standard : 47 CFR FCC Part 15.407  
Operating Band : 5150 MHz – 5250 MHz  
5725 MHz – 5850 MHz  
Applicant : Linksys LLC  
121 Theory Drive, Irvine, CA 92617, USA  
Manufacturer : Linksys LLC  
121 Theory Drive, Irvine, CA 92617, USA  
Function :  Outdoor;  Indoor;  Fixed P2P  
 Portable Client

The product sample received on Jul. 14, 2016 and completely tested on Aug. 09, 2016. We, SPORTON, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 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.

  
Sam Chen  
SPORTON INTERNATIONAL INC.





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### Summary of Test Result

Conformance Test Specifications			
Report Clause	Ref. Std. Clause	Description	Result
1.1.2	15.203	Antenna Requirement	Complied
3.1	15.207	AC Power-line Conducted Emissions	Complied
3.2	15.407(a)	Emission Bandwidth	Complied
3.3	15.407(a)	Maximum Conducted Output Power	Complied
3.4	15.407(a)	Peak Power Spectral Density	Complied
3.5	15.407(b)	Unwanted Emissions	Complied
3.6	15.407(g)	Frequency Stability	Complied



### Revision History

Report No.	Version	Description	Issued Date
FR671111AB	Rev. 01	Initial issue of report	Aug. 19, 2016



# 1 General Description

## 1.1 Information

### 1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5150-5250	a, n (HT20), ac (VHT20)	5180-5240	36-48 [4]
5725-5850		5745-5825	149-165 [5]
5150-5250	n (HT40), ac (VHT40)	5190-5230	38-46 [2]
5725-5850		5755-5795	151-159 [2]
5150-5250	ac (VHT80)	5210	42 [1]
5725-5850		5775	155 [1]

Band	Mode	BWch (MHz)	Nant
5.2G	11a	20	1
5.8G	11a	20	1
5.2G	HT20	20	2
5.8G	HT20	20	2
5.2G	VHT20	20	2
5.8G	VHT20	20	2
5.2G	HT40	40	2
5.8G	HT40	40	2
5.2G	VHT40	40	2
5.8G	VHT40	40	2
5.2G	VHT80	80	2
5.8G	VHT80	80	2

Note:

- 5.2G/5.2G-I(IC) is the 5.2GHz Band (5.15-5.25GHz).
- 5.8G/5.8G-I(IC) is the 5.8GHz Band (5.725-5.850GHz).
- 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20, VHT40 and VHT80 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- BWch is the nominal channel bandwidth.
- Nss-Min is the minimum number of spatial streams.
- Nant is the number of outputs. e.g., 2(2,3) means have 2 outputs for port 2 and port 3. 2 means have 2 outputs for port 1 and port 2.

1.1.2 Antenna Information

Ant.	Brand Holder	Part No.	Antenna Type	Connector	Gain (dBi)	
					2.4GHz	5GHz
1	ARISTOTLE ENTERPRISES	RFA-25-F70-70B-230	PIFA Antenna	I-PEX	1.7	4.0
2	ARISTOTLE ENTERPRISES	RFA-25-F70-70-115	Dipole Antenna	I-PEX	2.0	5.0

Note: The EUT has two antennas.

<For 2.4GHz Band>

For IEEE 802.11b/g mode<1TX/1RX>:

Only Chain 1 can be used as transmitting antenna and receiving antenna.

For IEEE 802.11n/ac mode<2TX/2RX>:

Chain 1 and Chain 2 will transmit/receive the same signal simultaneously.

Chain 1 and Chain 2 can be used as transmitting/receiving antennas.

<For 5GHz Band>

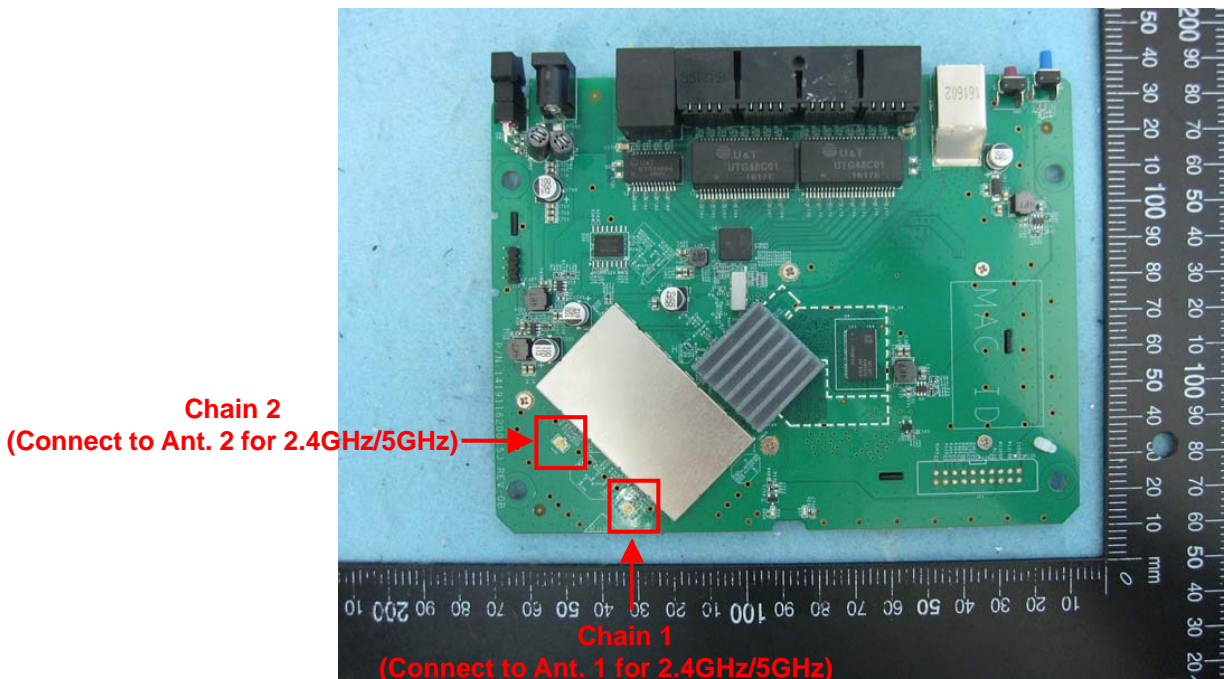
For IEEE 802.11a mode <1TX/1RX>:

Only Chain 1 can be used as transmitting antenna and receiving antenna.

For IEEE 802.11n/ac mode <2TX/2RX>:

Chain 1 and Chain 2 will transmit/receive the same signal simultaneously.

Chain 1 and Chain 2 can be used as transmitting/receiving antennas.





### 1.2 Testing Applied Standards

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

- ◆ 47 CFR FCC Part 15
- ◆ ANSI C63.10-2013
- ◆ FCC KDB 789033 D02 v01r02
- ◆ FCC KDB 644545 D03 v01 KDB644545
- ◆ FCC KDB 662911 D01 v02r01

### 1.3 Testing Location Information

Testing Location		
<input type="checkbox"/>	HWA YA	ADD : No. 52, Hwa Ya 1st Rd., Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C. TEL : 886-3-327-3456 FAX : 886-3-318-0055
<input checked="" type="checkbox"/>	JHUBEI	ADD : No.8, Lane 724, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C. TEL : 886-3-656-9065 FAX : 886-3-656-9085

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-CB	Gary Chu	24°C / 54%	Aug. 09, 2016
Radiated	03CH01-CB	Peter wu	22°C / 59%	Jul. 19, 2016~Aug. 01, 2016
AC Conduction	CO01-CB	Hank Yang	23°C / 57%	Jul. 18, 2016

Test site Designation No. TW0006 with FCC  
Test site registered number IC 4086D with Industry Canada.



### 1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.2 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.7 dB	Confidence levels of 95%





## 2. Test Configuration of EUT

### 2.1 Test Channel Mode

Band	Mode	BWch (MHz)	Nss-Min	Nant	Ch. (MHz)	Range	Power Setting
5.2G	11a	20	1	1	5180	L	23.5
5.2G	11a	20	1	1	5200	M	25
5.2G	11a	20	1	1	5240	H	25
5.2G	VHT20	20	1,(M0)	2	5180	L	23.5
5.2G	VHT20	20	1,(M0)	2	5200	M	25
5.2G	VHT20	20	1,(M0)	2	5240	H	25
5.2G	VHT40	40	1,(M0)	2	5190	L	20.5
5.2G	VHT40	40	1,(M0)	2	5230	H	24
5.2G	VHT80	80	1,(M0)	2	5210	S	16.5
5.8G	11a	20	1	1	5745	L	25
5.8G	11a	20	1	1	5785	M	25
5.8G	11a	20	1	1	5825	H	25
5.8G	VHT20	20	1,(M0)	2	5745	L	22
5.8G	VHT20	20	1,(M0)	2	5785	M	23
5.8G	VHT20	20	1,(M0)	2	5825	H	23.5
5.8G	VHT40	40	1,(M0)	2	5755	L	23.5
5.8G	VHT40	40	1,(M0)	2	5795	H	23.5
5.8G	VHT80	80	1,(M0)	2	5775	S	22



## 2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Mode	Normal Link
1	EUT Normal Link

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Maximum Conducted Output Power Peak Power Spectral Density Frequency Stability
Test Condition	Conducted measurement at transmit chains

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	Normal Link
1	Place EUT in Z axis
Operating Mode > 1GHz	CTX
1	Place EUT in Z axis

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	Normal Link
1	WLAN 2.4GHz + WLAN 5GHz
Refer to Sporton Test Report No.: FA671111 for Co-location RF Exposure Evaluation and Appendix G for Radiated Emission Co-location.	

Note 1: The EUT can only use Z axis position.

Note 2: VHT20/VHT40 covers HT20/HT40, due to same modulation. The power setting for 802.11n HT20 and HT40 are the same or lower than 802.11ac VHT20 and VHT40.



### 2.3 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

### 2.4 Accessories

Accessories			
Equipment Name	Brand Name	Model Name	Rating
Adapter	APD	WA-24Q12FU	Input: 100-240V~50-60Hz 0.7A Max. Output: 12V, 2A

### 2.5 Support Equipment

For Test Site No: CO01-CB

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB*4	DELL	E6430	DoC
2	Flash Disk3.0	Transcend	JetFlash-700	DoC

For Test Site No: 03CH01-CB (below 1GHz)

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB*4	DELL	E4300	DoC
2	Flash Disk3.0	Transcend	JetFlash-700	DoC

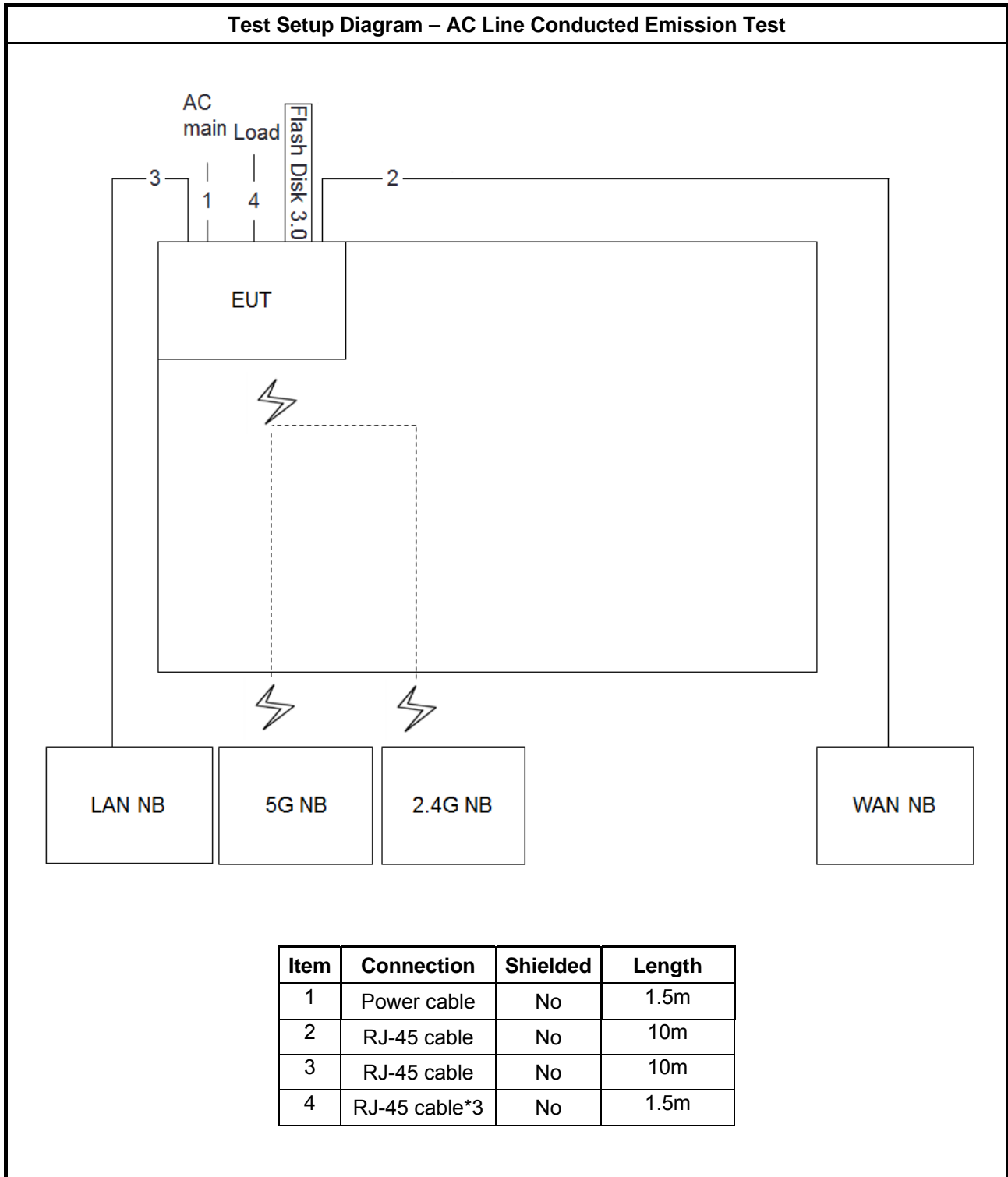
For Test Site No: 03CH01-CB (above 1GHz)

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB	DELL	E4300	DoC

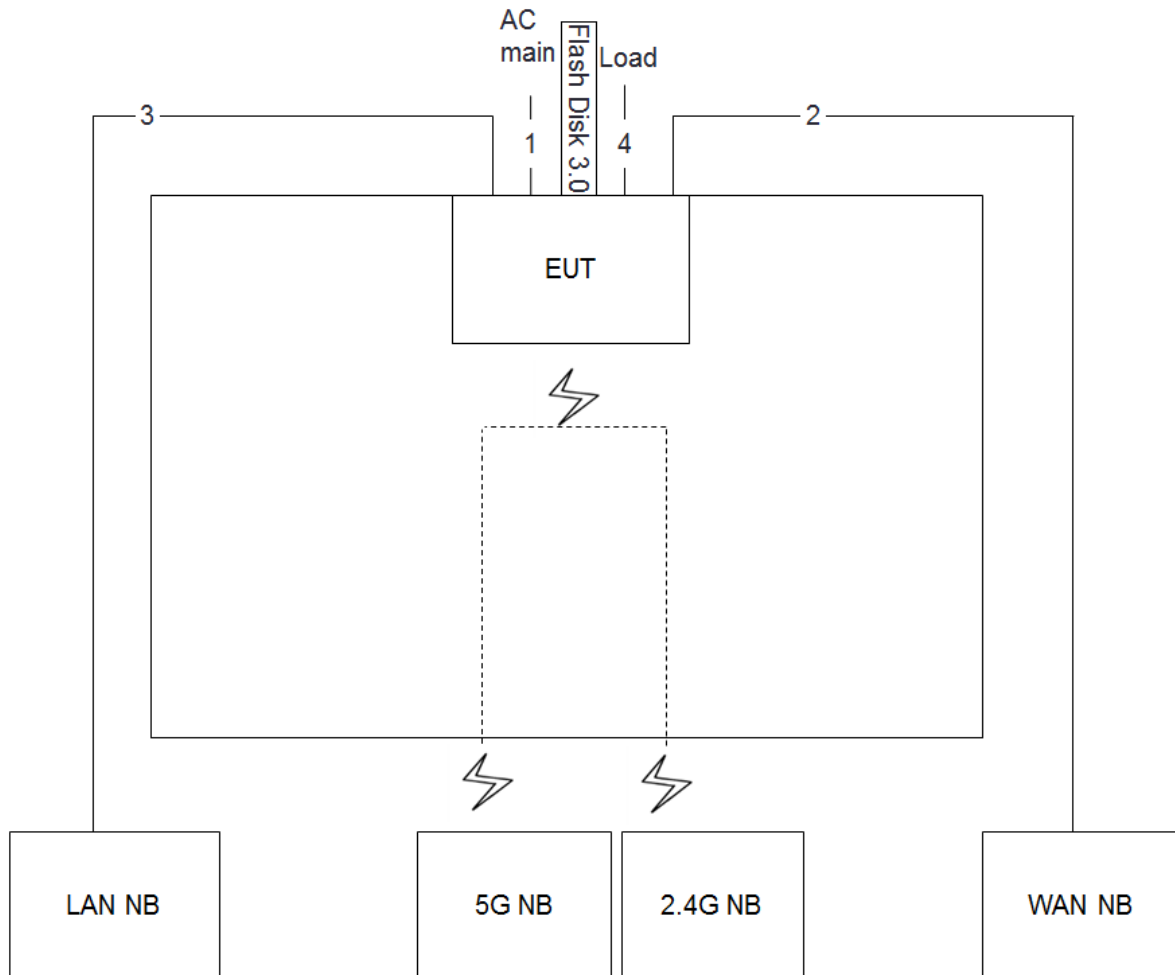
For Test Site No: TH01-CB

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB	DELL	E4300	DoC

## 2.6 Test Setup Diagram

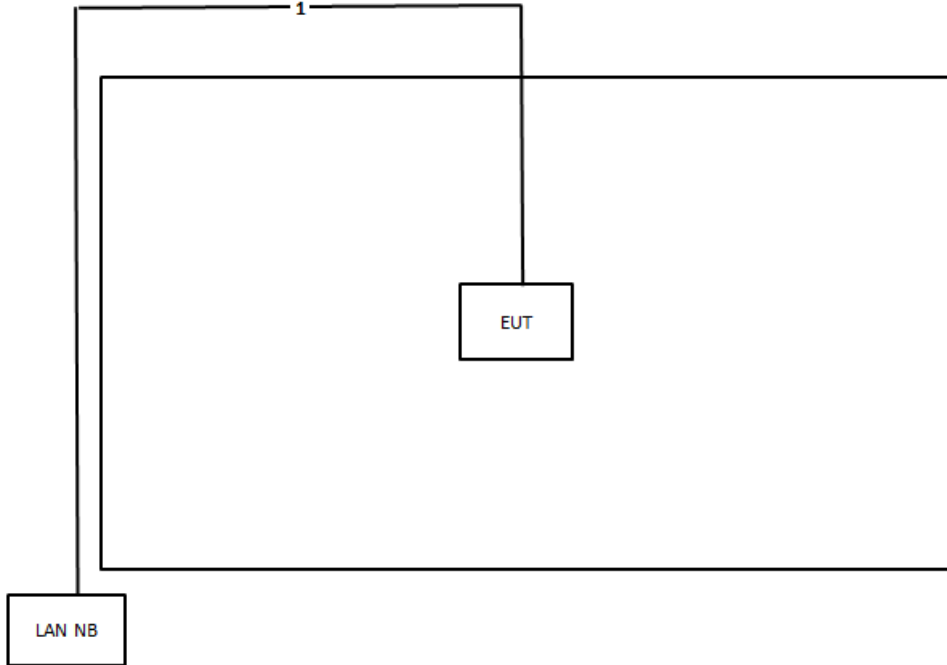


Test Setup Diagram - Radiated Test < 1GHz



Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	10m
4	RJ-45 cable*3	No	1.5m

Test Setup Diagram - Radiated Test > 1GHz



Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable	No	10m

### 3. Transmitter Test Result

#### 3.1 AC Power-line Conducted Emissions

##### 3.1.1 AC Power-line Conducted Emissions Limit

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

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

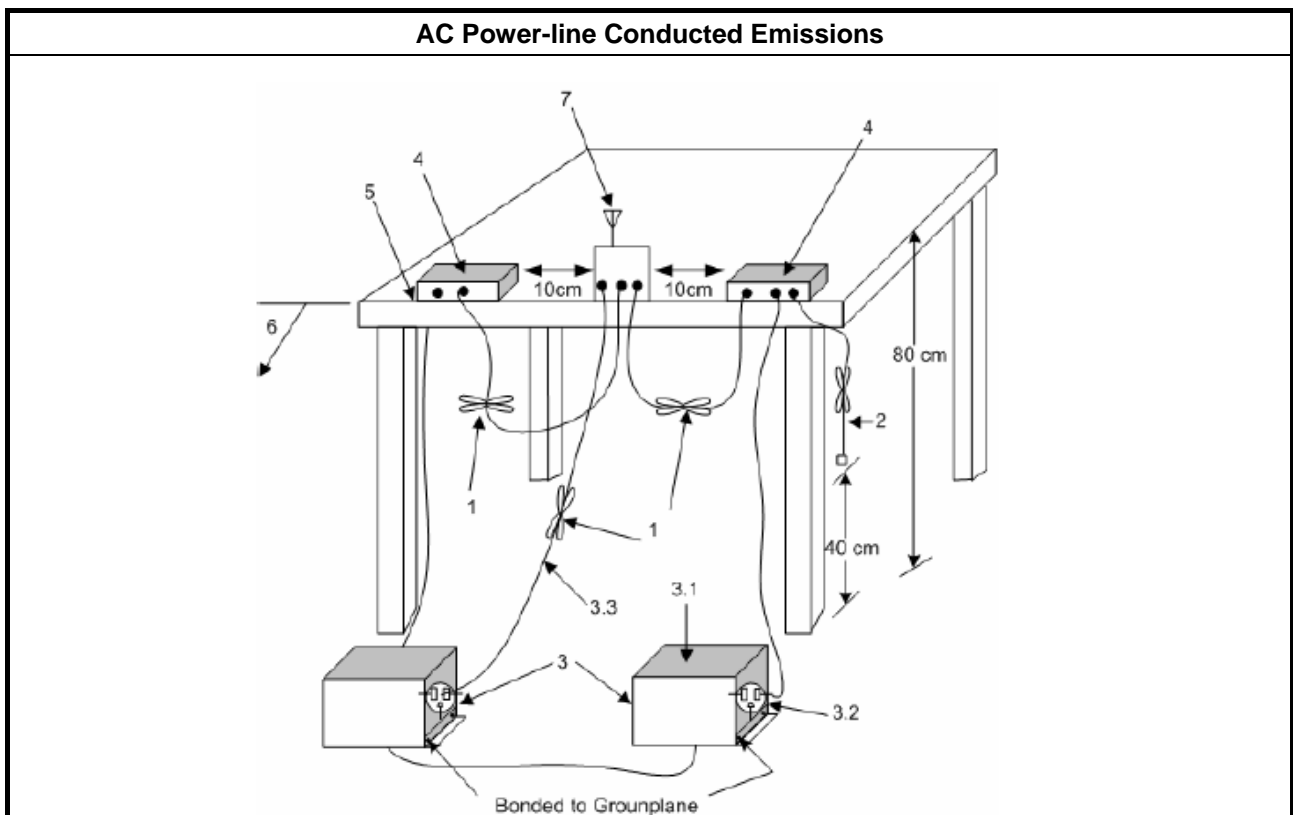
##### 3.1.2 Measuring Instruments

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

##### 3.1.3 Test Procedures

Test Method
<input checked="" type="checkbox"/> Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

##### 3.1.4 Test Setup





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

Refer as Appendix A



### 3.2 Emission Bandwidth

#### 3.2.1 Emission Bandwidth Limit

Emission Bandwidth Limit	
<b>UNII Devices</b>	
<input checked="" type="checkbox"/>	For the 5.15-5.25 GHz band, N/A
<input type="checkbox"/>	For the 5.25-5.35 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
<input type="checkbox"/>	For the 5.47-5.725 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
<input checked="" type="checkbox"/>	For the 5.725-5.85 GHz band, 6 dB emission bandwidth $\geq$ 500kHz.
<b>LE-LAN Devices</b>	
<input type="checkbox"/>	For the band 5.15-5.25 GHz, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
<input type="checkbox"/>	For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
<input type="checkbox"/>	For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
<input type="checkbox"/>	For the 5.725-5.85 GHz band, 6 dB emission bandwidth $\geq$ 500kHz.

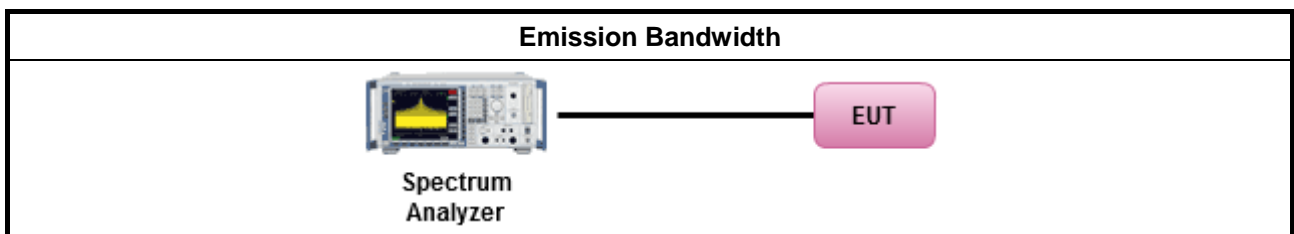
#### 3.2.2 Measuring Instruments

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

#### 3.2.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> <li>▪ For the emission bandwidth shall be measured using one of the options below:</li> </ul>	
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02 v01r02, clause C for EBW and clause D for OBW measurement.
<input type="checkbox"/>	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.
<input checked="" type="checkbox"/>	Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.

#### 3.2.4 Test Setup



#### 3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B



### 3.3 Maximum Conducted Output Power

#### 3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
<b>UNII Devices</b>	
<input checked="" type="checkbox"/> For the 5.15-5.25 GHz band:	
	<ul style="list-style-type: none"> <li>▪ Outdoor AP: the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 1 W. If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)</math>. e.i.r.p. at any elevation angle above 30 degrees <math>\leq 125</math>mW [21dBm]</li> <li>▪ Indoor AP: the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 1 W. If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)</math></li> <li>▪ Point-to-point AP: the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 1 W. If <math>G_{TX} &gt; 23</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 23)</math>.</li> <li>▪ Mobile or Portable Client: the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 250 mW. If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 24 - (G_{TX} - 6)</math>.</li> </ul>
<input type="checkbox"/> For the 5.25-5.35 GHz band, the maximum conducted output power ( $P_{Out}$ ) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$ .	
<input type="checkbox"/> For the 5.47-5.725 GHz band, the maximum conducted output power ( $P_{Out}$ ) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$ .	
<input checked="" type="checkbox"/> For the 5.725-5.85 GHz band:	
	<ul style="list-style-type: none"> <li>▪ Point-to-multipoint systems (P2M): the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 1 W. If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)</math>.</li> <li>▪ Point-to-point systems (P2P): the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 1 W.</li> </ul>
<b>LE-LAN Devices</b>	
<input type="checkbox"/> For the 5.15-5.25 GHz band, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.	
<input type="checkbox"/> For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz	
<input type="checkbox"/> For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz	
<input checked="" type="checkbox"/> For the 5.725-5.85 GHz band:	
	<ul style="list-style-type: none"> <li>▪ Point-to-multipoint systems (P2M): the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 1 W. If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)</math>.</li> <li>▪ Point-to-point systems (P2P): the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 1 W.</li> </ul>
$P_{Out}$ = maximum conducted output power in dBm, $G_{TX}$ = the maximum transmitting antenna directional gain in dBi.	

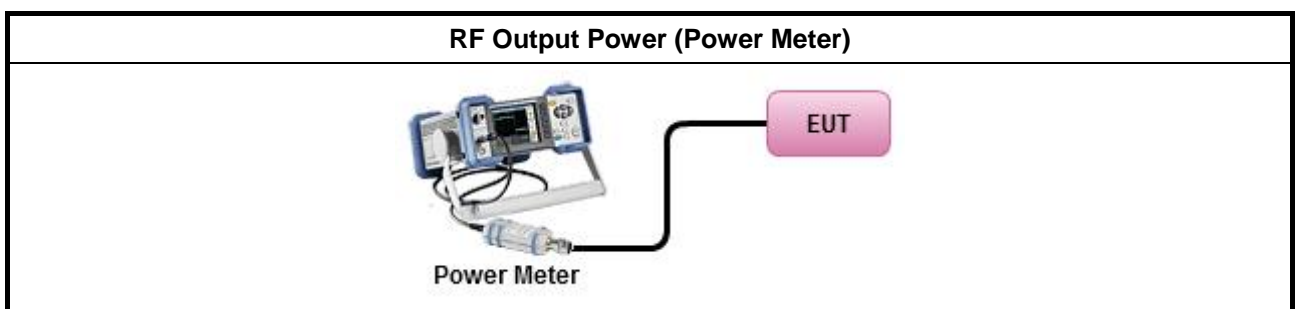
### 3.3.2 Measuring Instruments

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

### 3.3.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> <li>Maximum Conducted Output Power</li> </ul>	
[duty cycle ≥ 98% or external video / power trigger]	
<input type="checkbox"/>	Refer as FCC KDB 789033 D02 v01r02, clause E Method SA-1 (spectral trace averaging).
<input type="checkbox"/>	Refer as FCC KDB 789033 D02 v01r02, clause E Method SA-1 Alt. (RMS detection with slow sweep speed)
duty cycle < 98% and average over on/off periods with duty factor	
<input type="checkbox"/>	Refer as FCC KDB 789033 D02 v01r02, clause E Method SA-2 (spectral trace averaging).
<input type="checkbox"/>	Refer as FCC KDB 789033 D02 v01r02, 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	
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02 v01r02, clause E Method PM-G (using an RF average power meter).
<ul style="list-style-type: none"> <li>For conducted measurement.</li> </ul>	
<ul style="list-style-type: none"> <li>If 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.</li> </ul>	
<ul style="list-style-type: none"> <li>If multiple transmit chains, EIRP calculation could be following as methods:  <math display="block">P_{total} = P_1 + P_2 + \dots + P_n</math>                     (calculated in linear unit [mW] and transfer to log unit [dBm])  <math display="block">EIRP_{total} = P_{total} + DG</math> </li> </ul>	

### 3.3.4 Test Setup



### 3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

### 3.4 Peak Power Spectral Density

#### 3.4.1 Peak Power Spectral Density Limit

Peak Power Spectral Density Limit	
<b>UNII Devices</b>	
<input checked="" type="checkbox"/> For the 5.15-5.25 GHz band:	
<input type="checkbox"/>	<ul style="list-style-type: none"> <li>▪ Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 17 - (G_{TX} - 6)</math>.</li> <li>▪ Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 17 - (G_{TX} - 6)</math>.</li> <li>▪ Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If <math>G_{TX} &gt; 23</math> dBi, then <math>P_{Out} = 17 - (G_{TX} - 23)</math>.</li> <li>▪ Mobile or Portable Client: the peak power spectral density (PPSD) <math>\leq 11</math> dBm/MHz. If <math>G_{TX} &gt; 6</math> dBi, then <math>PPSD = 11 - (G_{TX} - 6)</math>.</li> </ul>
<input type="checkbox"/> For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) $\leq 11$ dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$ .	
<input type="checkbox"/> For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) $\leq 11$ dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$ .	
<input checked="" type="checkbox"/> For the 5.725-5.85 GHz band:	
<input type="checkbox"/>	<ul style="list-style-type: none"> <li>▪ Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) <math>\leq 30</math> dBm/500kHz. If <math>G_{TX} &gt; 6</math> dBi, then <math>PPSD = 30 - (G_{TX} - 6)</math>.</li> <li>▪ Point-to-point systems (P2P): the peak power spectral density (PPSD) <math>\leq 30</math> dBm/500kHz.</li> </ul>
<b>LE-LAN Devices</b>	
<input type="checkbox"/> For the 5.15-5.25 GHz band, the peak power spectral density (PPSD) $\leq 4$ dBm/MHz and the e.i.r.p. peak power spectral density (PPSD) $\leq 10$ dBm/MHz.	
<input type="checkbox"/> For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) $\leq 11$ dBm/MHz and the e.i.r.p. peak power spectral density (PPSD) $\leq 17$ dBm/MHz.	
<input type="checkbox"/>	<ul style="list-style-type: none"> <li>▪ e.i.r.p. greater than 200 mW shall comply with the following e.i.r.p. at different elevations, where <math>\theta</math> is the angle above the local horizontal plane (of the Earth) as shown below:            -13 dBW/MHz for <math>0^\circ \leq \theta &lt; 8^\circ</math> ; -13 - 0.716 (<math>\theta-8</math>) dBW/MHz for <math>8^\circ \leq \theta &lt; 40^\circ</math>            -35.9 - 1.22 (<math>\theta-40</math>) dBW/MHz for <math>40^\circ \leq \theta \leq 45^\circ</math> ; -42 dBW/MHz for <math>\theta &gt; 45^\circ</math></li> </ul>
<input type="checkbox"/> For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the peak power spectral density (PPSD) $\leq 11$ dBm/MHz and the e.i.r.p. peak power spectral density (PPSD) $\leq 17$ dBm/MHz.	
<input checked="" type="checkbox"/> For the 5.725-5.85 GHz band:	
<input type="checkbox"/>	<ul style="list-style-type: none"> <li>▪ Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) <math>\leq 30</math> dBm/500kHz. If <math>G_{TX} &gt; 6</math> dBi, then <math>PPSD = 30 - (G_{TX} - 6)</math>.</li> <li>▪ Point-to-point systems (P2P): the peak power spectral density (PPSD) <math>\leq 30</math> dBm/500kHz.</li> </ul>
<p><b>PPSD</b> = peak power spectral density that he same method as used to determine the conducted output power shall be used to determine the power spectral density. And power spectral density in dBm/MHz  <b>G<sub>TX</sub></b> = the maximum transmitting antenna directional gain in dBi.</p>	

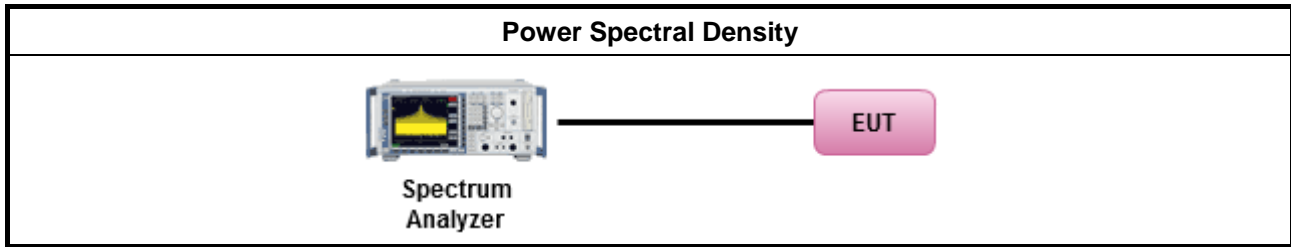
#### 3.4.2 Measuring Instruments

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

### 3.4.2 Test Procedures

Test Method	
<ul style="list-style-type: none"> <li>▪ 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:</li> </ul>	
<input type="checkbox"/>	Refer as FCC KDB 789033 D02 v01r02, F5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth [duty cycle ≥ 98% or external video / power trigger]
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02 v01r02, clause E Method SA-1 (spectral trace averaging).
<input type="checkbox"/>	Refer as FCC KDB 789033 D02 v01r02, clause E Method SA-1 Alt. (RMS detection with slow sweep speed)
duty cycle < 98% and average over on/off periods with duty factor	
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02 v01r02, clause E Method SA-2 (spectral trace averaging).
<input type="checkbox"/>	Refer as FCC KDB 789033 D02 v01r02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
<ul style="list-style-type: none"> <li>▪ For conducted measurement.</li> </ul>	
<ul style="list-style-type: none"> <li>▪ If the EUT supports multiple transmit chains using options given below:</li> </ul>	
<input checked="" type="checkbox"/>	Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
<input type="checkbox"/>	Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,
<input type="checkbox"/>	Option 3: 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.
<ul style="list-style-type: none"> <li>▪ If multiple transmit chains, EIRP PPSD calculation could be following as methods:  <math>PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n</math>            (calculated in linear unit [mW] and transfer to log unit [dBm])  <math>EIRP_{total} = PPSD_{total} + DG</math></li> </ul>	

### 3.4.3 Test Setup



### 3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix D



### 3.5 Unwanted Emissions

#### 3.5.1 Transmitter Radiated Unwanted Emissions Limit

Unwanted emissions below 1 GHz and restricted band emissions above 1GHz limit			
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

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

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

Un-restricted band emissions above 1GHz Limit	
Operating Band	Limit
5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.725 - 5.85 GHz	all emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

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



### 3.5.2 Measuring Instruments

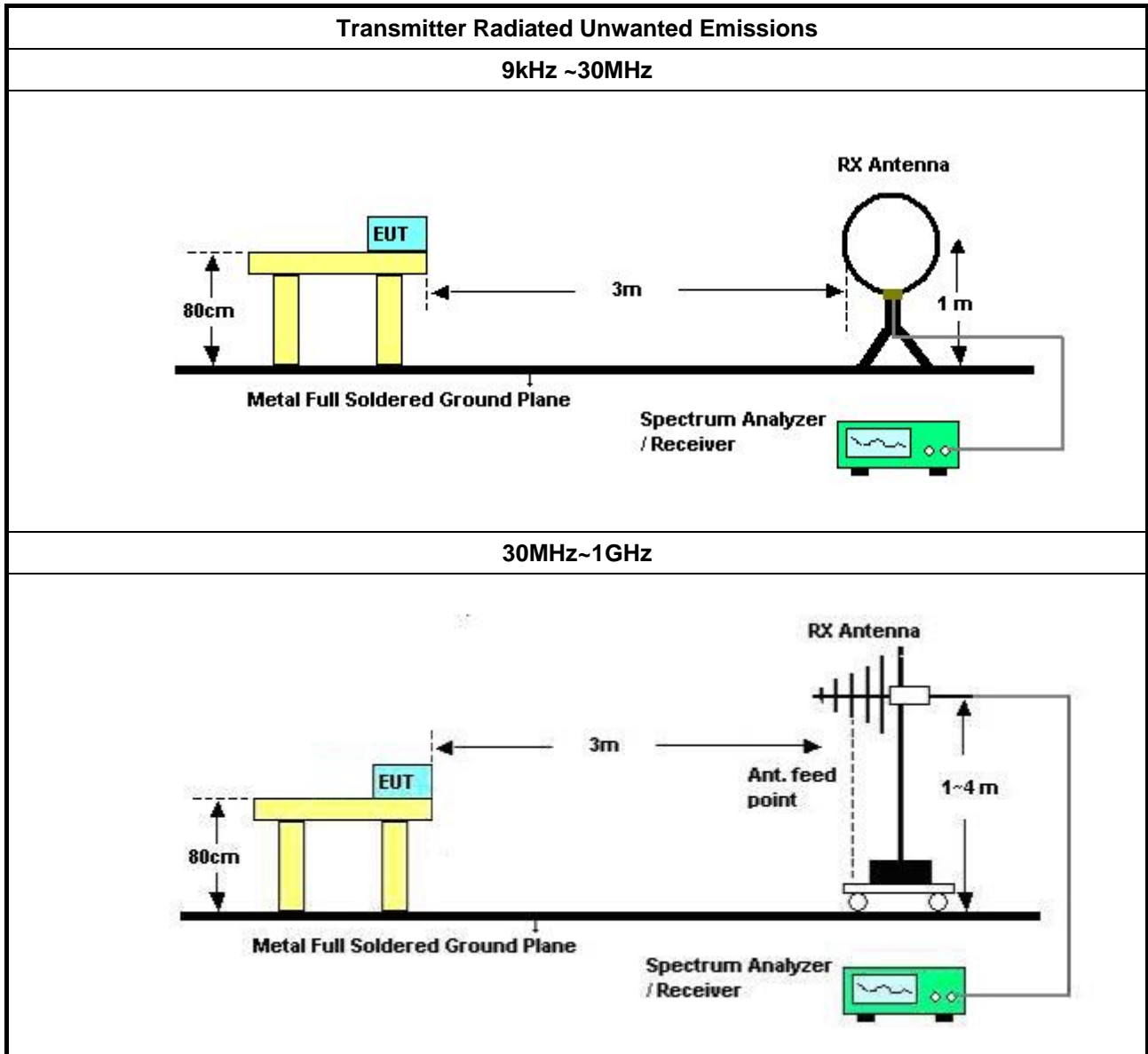
Refer a test equipment and calibration data table in this test report.

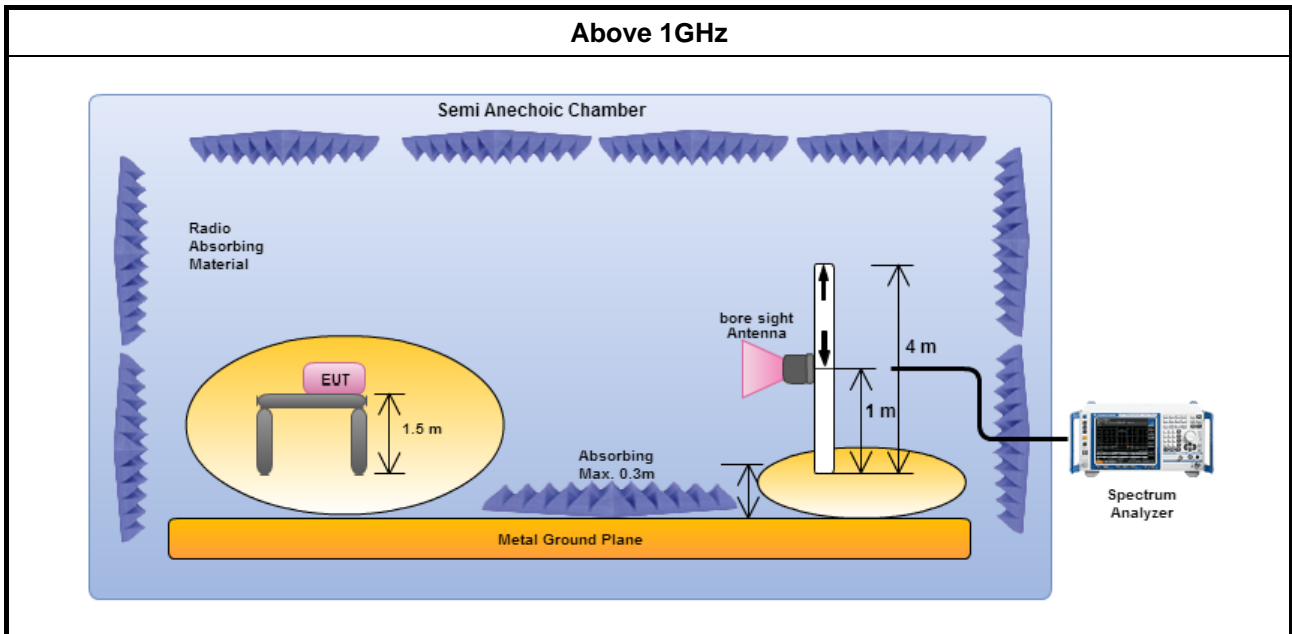
### 3.5.3 Test Procedures

Test Method													
	<ul style="list-style-type: none"> <li>▪ 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).</li> </ul>												
	<ul style="list-style-type: none"> <li>▪ The average emission levels shall be measured in [duty cycle <math>\geq</math> 98 or duty factor].</li> </ul>												
	<ul style="list-style-type: none"> <li>▪ For the transmitter unwanted emissions shall be measured using following options below:</li> </ul>												
	<ul style="list-style-type: none"> <li>▪ Refer as FCC KDB 789033 D02 v01r02, clause H)2) for unwanted emissions into non-restricted bands.</li> </ul>												
	<ul style="list-style-type: none"> <li>▪ Refer as FCC KDB 789033 D02 v01r02, clause H)1) for unwanted emissions into restricted bands.</li> </ul>												
	<table border="0" style="width: 100%;"> <tr> <td style="width: 20px;"><input type="checkbox"/></td> <td>Refer as FCC KDB 789033 D02 v01r02, H)6) Method AD (Trace Averaging).</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>Refer as FCC KDB 789033 D02 v01r02, H)6) Method VB (Reduced VBW).</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Refer as ANSI C63.10, clause 4.2.3.2.3 (Reduced VBW). VBW <math>\geq</math> 1/T, where T is pulse time.</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Refer as ANSI C63.10, clause 4.2.3.2.4 average value of pulsed emissions.</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>Refer as FCC KDB 789033 D02 v01r02, clause H)5) measurement procedure peak limit.</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Refer as ANSI C63.10, clause 4.2.3.2.2 measurement procedure peak limit.</td> </tr> </table>	<input type="checkbox"/>	Refer as FCC KDB 789033 D02 v01r02, H)6) Method AD (Trace Averaging).	<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02 v01r02, H)6) Method VB (Reduced VBW).	<input type="checkbox"/>	Refer as ANSI C63.10, clause 4.2.3.2.3 (Reduced VBW). VBW $\geq$ 1/T, where T is pulse time.	<input type="checkbox"/>	Refer as ANSI C63.10, clause 4.2.3.2.4 average value of pulsed emissions.	<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02 v01r02, clause H)5) measurement procedure peak limit.	<input type="checkbox"/>	Refer as ANSI C63.10, clause 4.2.3.2.2 measurement procedure peak limit.
<input type="checkbox"/>	Refer as FCC KDB 789033 D02 v01r02, H)6) Method AD (Trace Averaging).												
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02 v01r02, H)6) Method VB (Reduced VBW).												
<input type="checkbox"/>	Refer as ANSI C63.10, clause 4.2.3.2.3 (Reduced VBW). VBW $\geq$ 1/T, where T is pulse time.												
<input type="checkbox"/>	Refer as ANSI C63.10, clause 4.2.3.2.4 average value of pulsed emissions.												
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02 v01r02, clause H)5) measurement procedure peak limit.												
<input type="checkbox"/>	Refer as ANSI C63.10, clause 4.2.3.2.2 measurement procedure peak limit.												
	<ul style="list-style-type: none"> <li>▪ For radiated measurement.</li> </ul>												
	<ul style="list-style-type: none"> <li>▪ Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.</li> </ul>												
	<ul style="list-style-type: none"> <li>▪ Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.</li> </ul>												
	<ul style="list-style-type: none"> <li>▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.</li> </ul>												
	<ul style="list-style-type: none"> <li>▪ The any unwanted emissions level shall not exceed the fundamental emission level.</li> </ul>												
	<ul style="list-style-type: none"> <li>▪ All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.</li> </ul>												



### 3.5.4 Test Setup





### 3.5.6 Transmitter 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.

### 3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

### 3.6 Frequency Stability

#### 3.6.1 Frequency Stability Limit

Frequency Stability Limit
<b>UNII Devices</b>
<ul style="list-style-type: none"> <li>In-band emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.</li> </ul>
<b>LE-LAN Devices</b>
<ul style="list-style-type: none"> <li>N/A</li> </ul>
<b>IEEE Std. 802.11</b>
<ul style="list-style-type: none"> <li>The transmitter center frequency tolerance shall be <math>\pm 20</math> ppm maximum for the 5 GHz band and <math>\pm 25</math> ppm maximum for the 2.4 GHz band.</li> </ul>

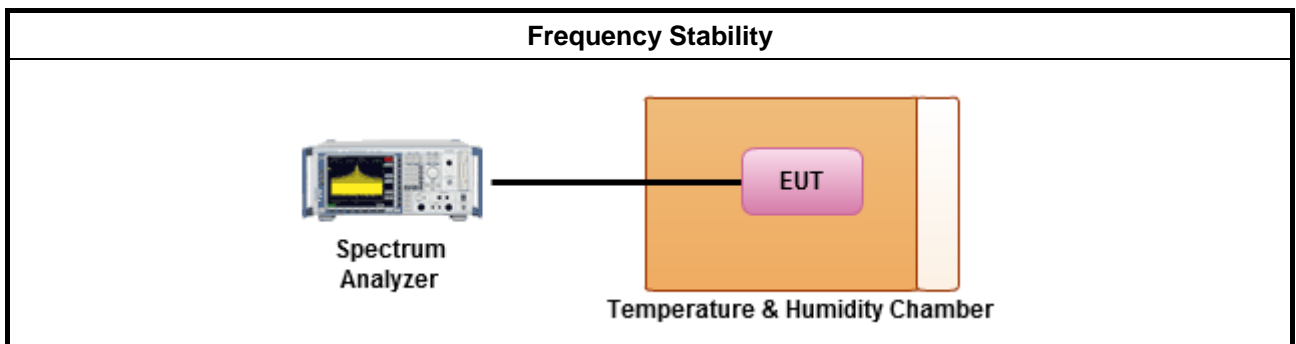
#### 3.6.2 Measuring Instruments

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

#### 3.6.3 Test Procedures

Test Method
<ul style="list-style-type: none"> <li>Refer as ANSI C63.10, clause 6.8 for frequency stability tests</li> </ul>
<ul style="list-style-type: none"> <li>Frequency stability with respect to ambient temperature</li> </ul>
<ul style="list-style-type: none"> <li>Frequency stability when varying supply voltage</li> </ul>
<ul style="list-style-type: none"> <li>Extreme temperature is <math>-30^{\circ}\text{C}\sim 50^{\circ}\text{C}</math>.</li> </ul>

#### 3.6.4 Test Setup



#### 3.6.5 Test Result of Frequency Stability

Refer as Appendix F



### 4. Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.45GHz	Jan. 27, 2016	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Dec. 08, 2015	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Dec. 23, 2015	Conduction (CO01-CB)
COND Cable	Woken	Cable	01	150kHz ~ 30MHz	May 24, 2016	Conduction (CO01-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	Conduction (CO01-CB)
BILOG ANTENNA	TESEQ	CBL6112D	37880	20MHz ~ 2GHz	Sep. 03, 2015	Radiation (03CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 16, 2016*	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Oct. 22, 2015	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2015	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 25, 2016	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8447D	2944A10991	0.1MHz ~ 1.3GHz	Mar. 15, 2016	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 18, 2016	Radiation (03CH01-CB)
Pre-Amplifier	WM	TF-130N-R1	923365	26GHz ~ 40GHz	Nov. 13, 2015	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Oct. 27, 2015	Radiation (03CH01-CB)
EMI Test	R&S	ESCS	100355	9kHz ~ 2.75GHz	May 16, 2016	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-1	N/A	30 MHz ~ 1 GHz	Nov. 02, 2015	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Nov. 02, 2015	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-17	N/A	1 GHz ~ 18 GHz	Nov. 02, 2015	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G-1	N/A	18GHz ~ 40 GHz	Nov. 02, 2015	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G-2	N/A	18GHz ~ 40 GHz	Nov. 02, 2015	Radiation (03CH01-CB)
Test Software	Audix	E3	6.2009-I0-7	N/A	N/A	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 09, 2015	Conducted (TH01-CB)
Temp. and Humidity Chamber	Ten Billion	TTH-D3SP	TBN-931011	-30~100 degree	Jun. 03, 2016	Conducted (TH01-CB)

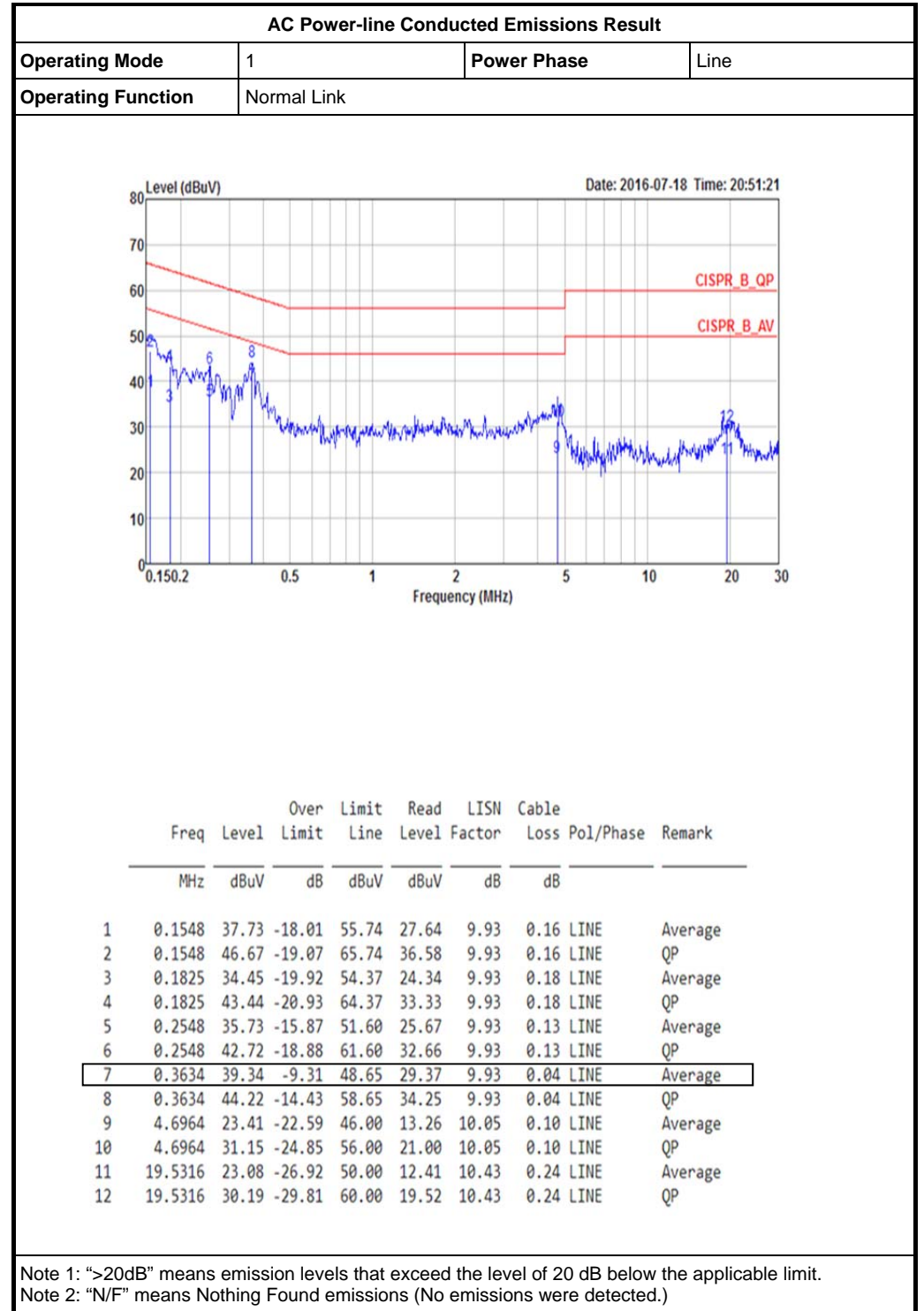
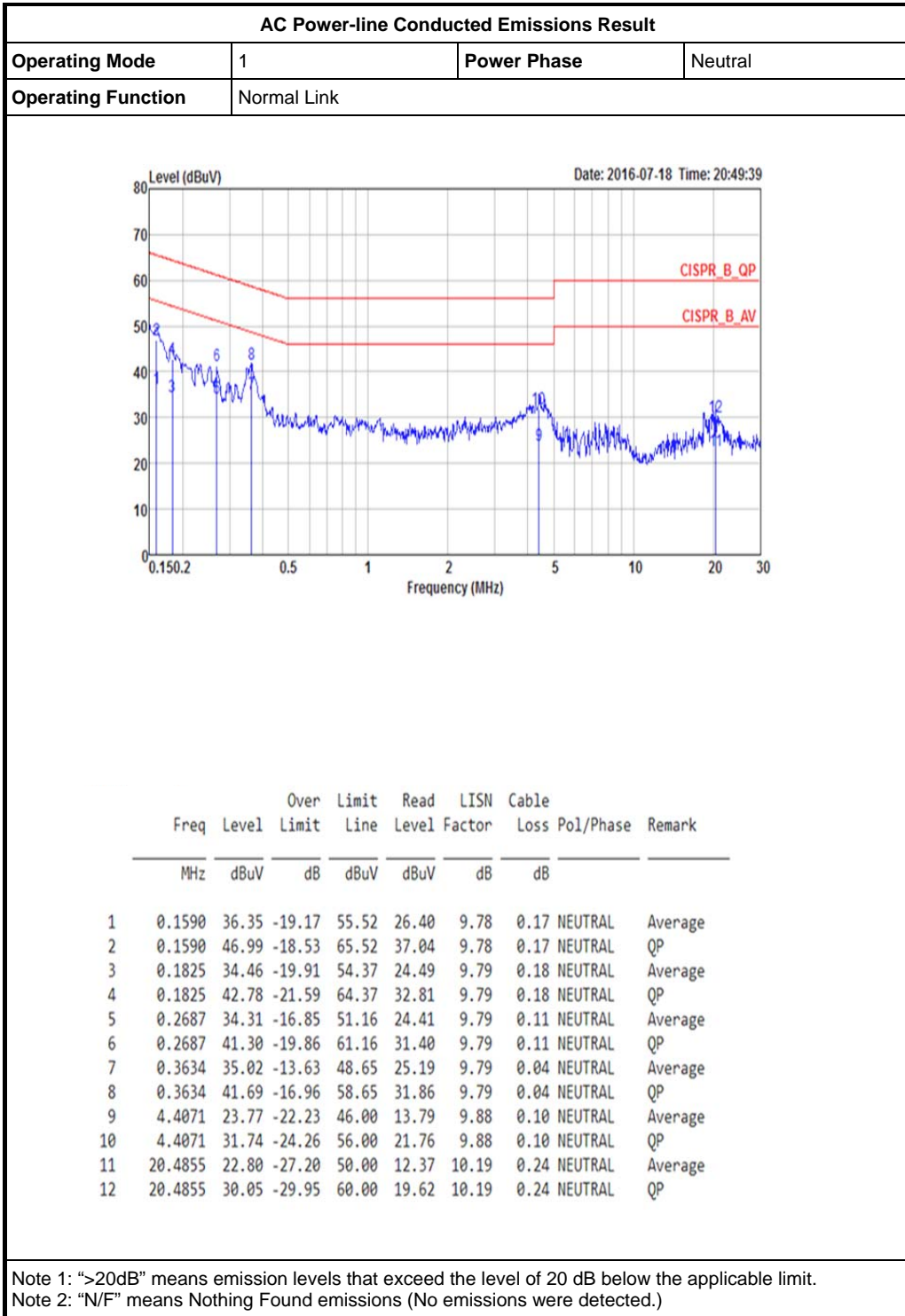


Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
RF Cable-high	Woken	RG402	High Cable-6	1 GHz – 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-7	1 GHz – 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-8	1 GHz – 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-9	1 GHz – 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 26.5 GHz	Nov. 02, 2015	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 02, 2015	Conducted (TH01-CB)

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

“\*” Calibration Interval of instruments listed above is two years.

N.C.R. means Non-Calibration required.





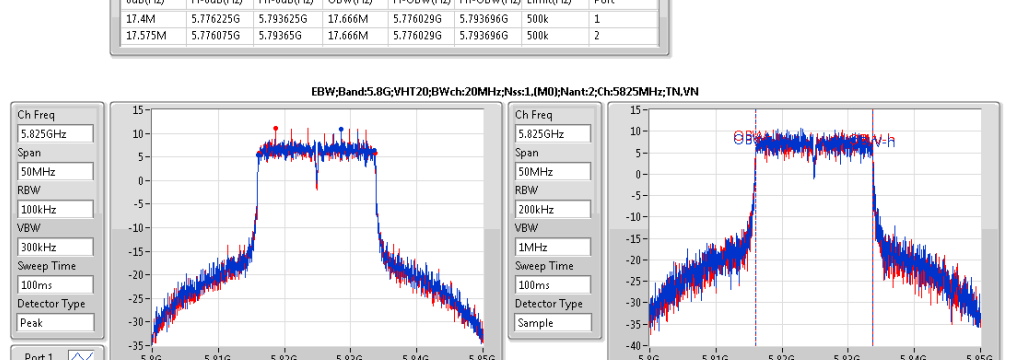
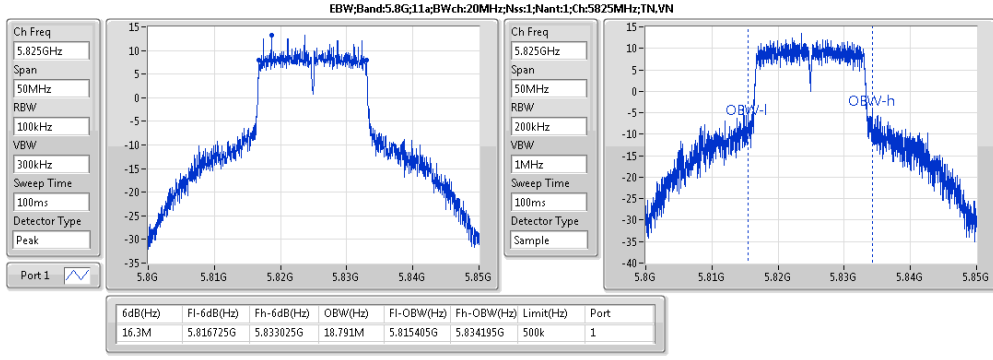
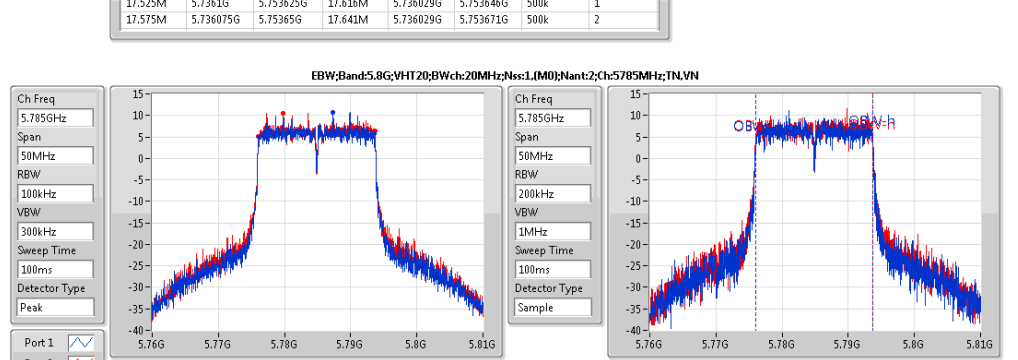
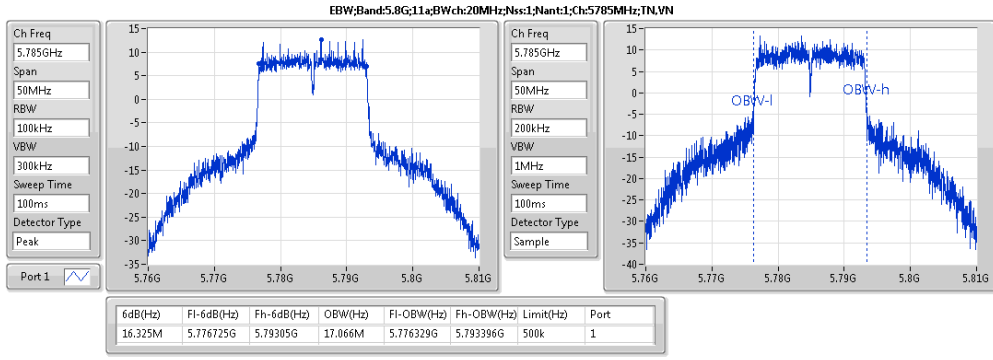
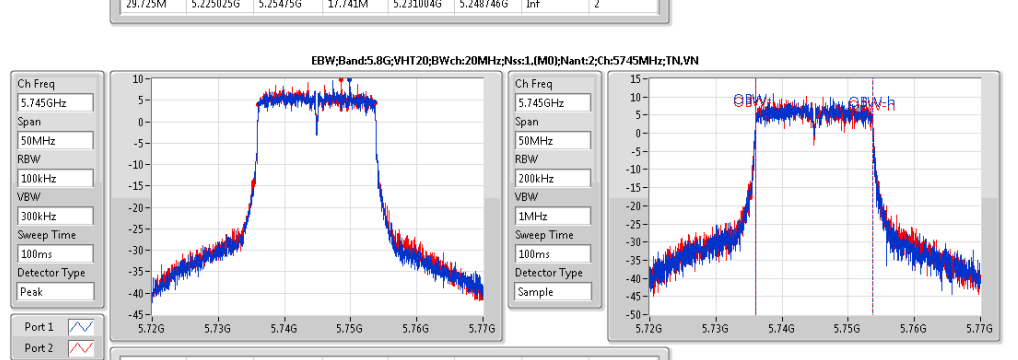
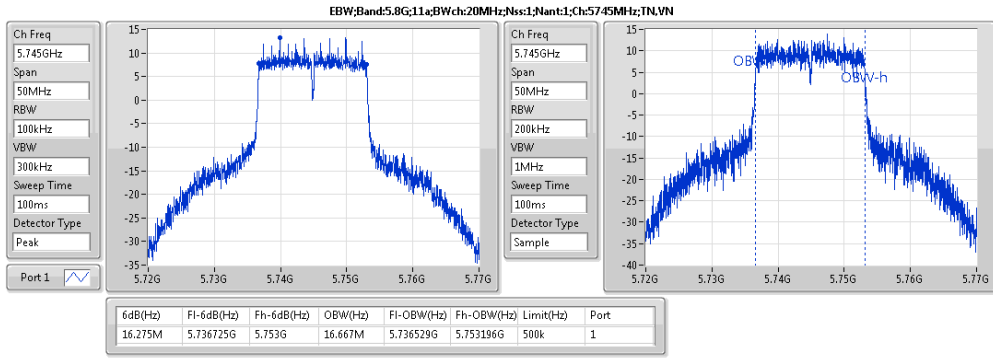
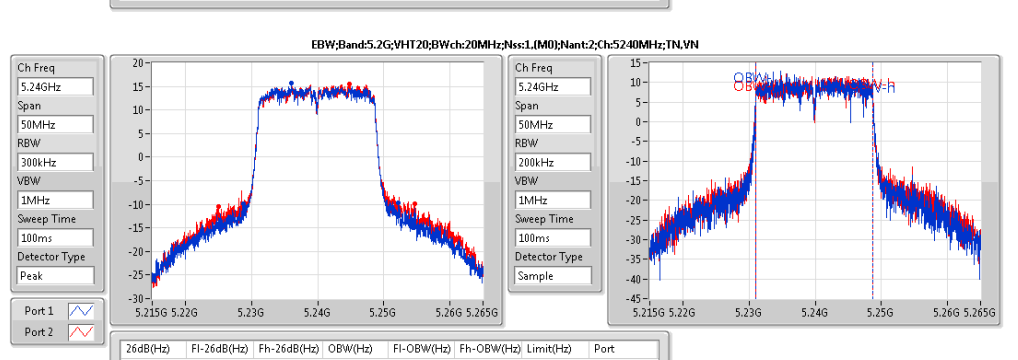
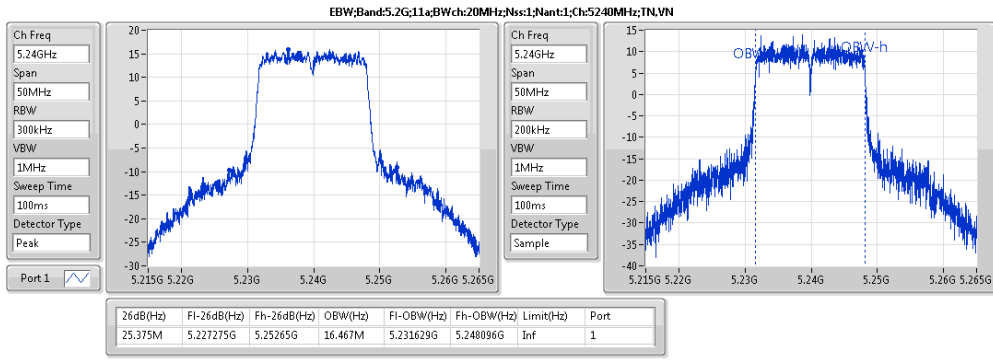
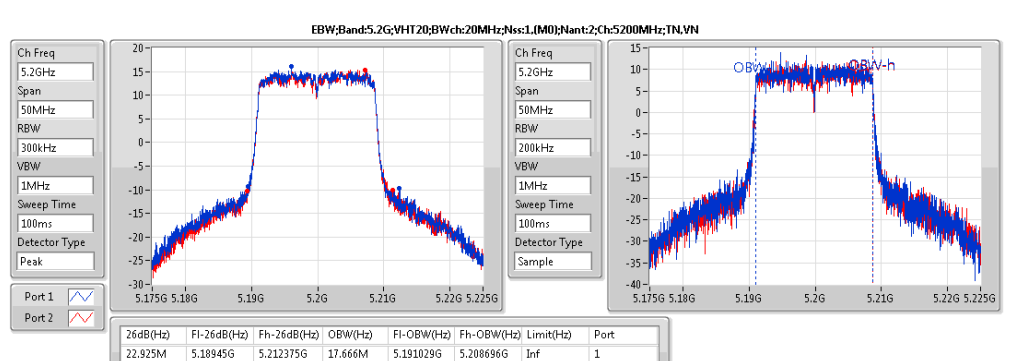
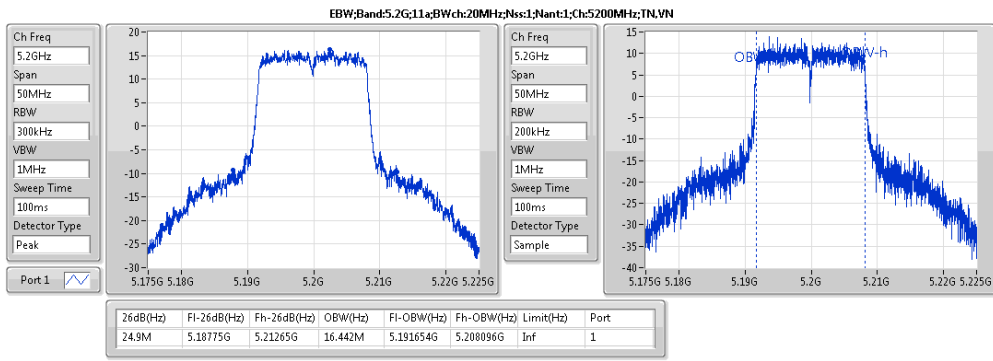
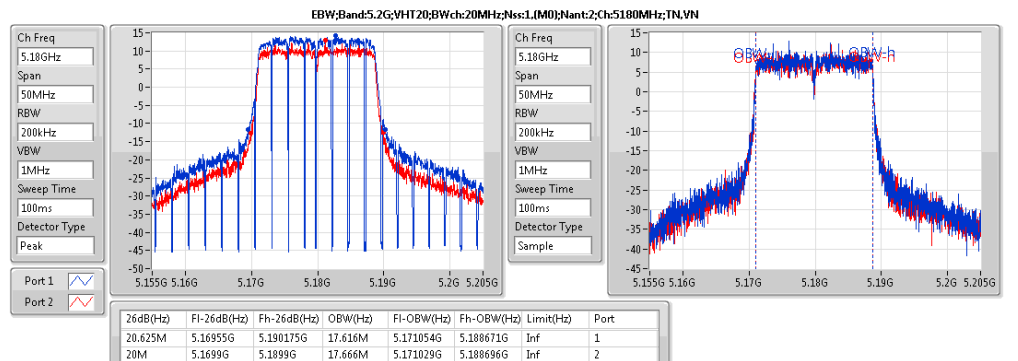
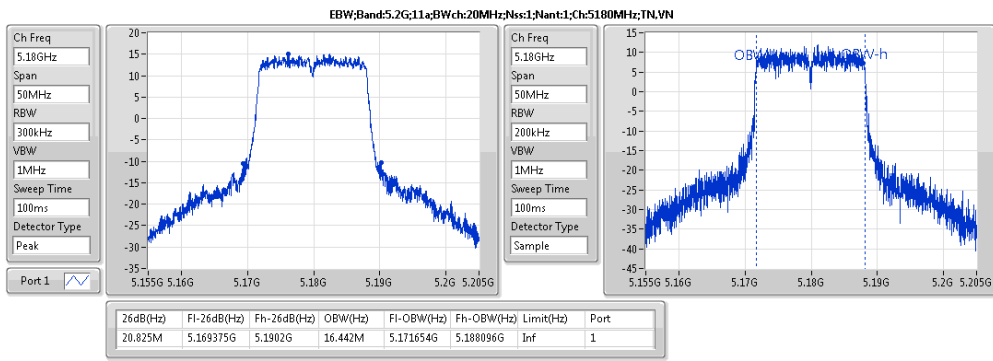
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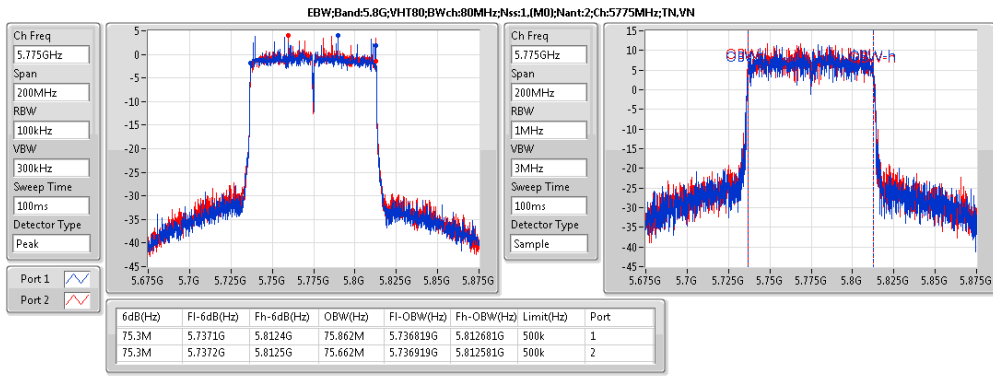
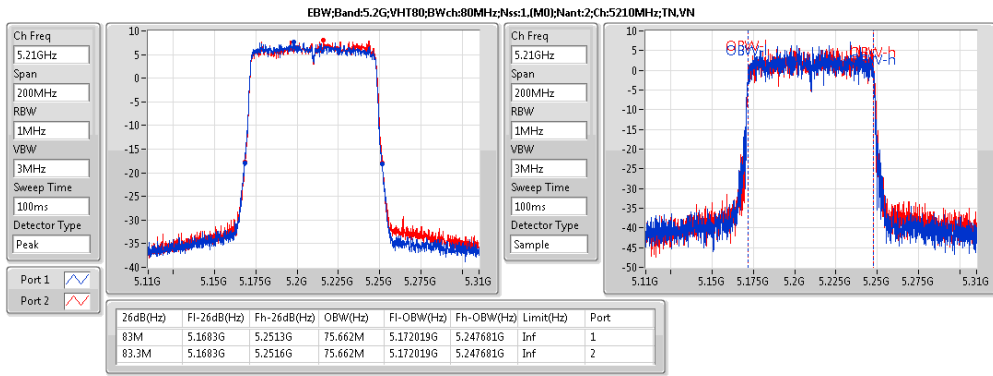
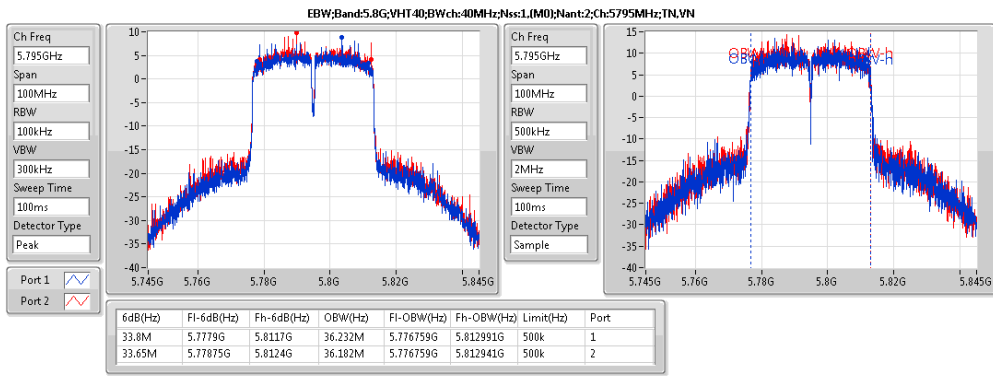
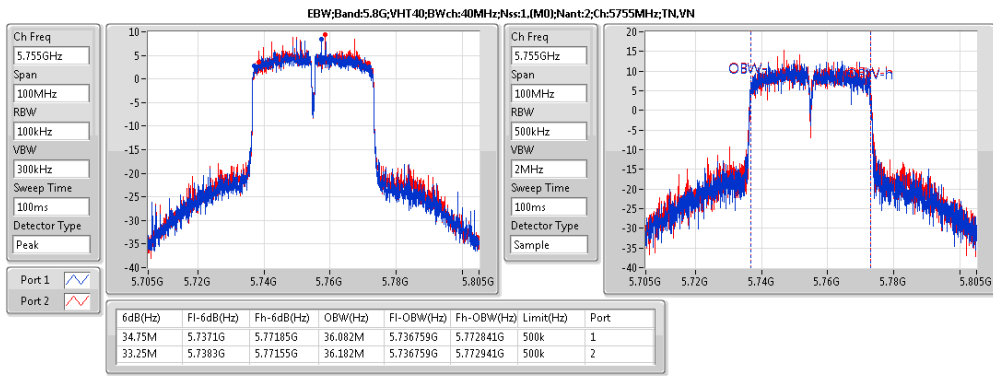
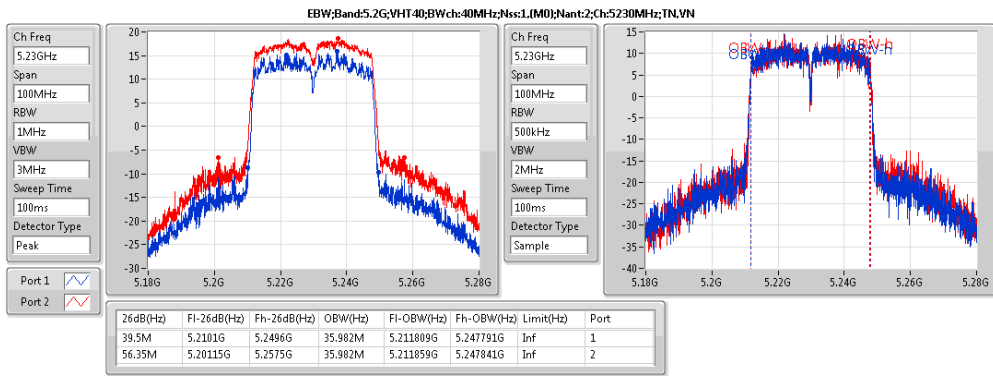
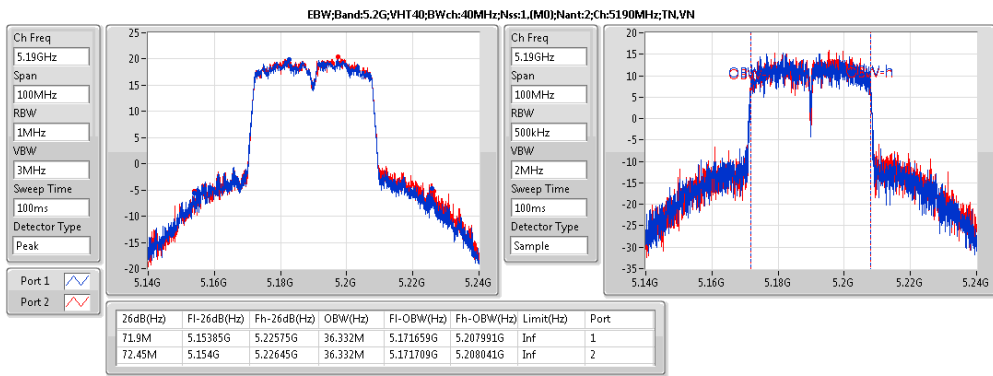
Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.2G;11a:Nss1:Ntx1	25.375M	16.467M	16M5D1D	20.825M	16.442M
5.8G;11a:Nss1:Ntx1	16.325M	18.791M	18M8D1D	16.275M	16.667M
5.2G;VHT20:Nss1,(M0):Ntx2	29.725M	17.741M	17M7D1D	20M	17.616M
5.8G;VHT20:Nss1,(M0):Ntx2	17.575M	17.716M	17M7D1D	17.4M	17.616M
5.2G;VHT40:Nss1,(M0):Ntx2	72.45M	36.332M	36M3D1D	39.5M	35.982M
5.8G;VHT40:Nss1,(M0):Ntx2	34.75M	36.232M	36M2D1D	33.25M	36.082M
5.2G;VHT80:Nss1,(M0):Ntx2	83.3M	75.662M	75M7D1D	83M	75.662M
5.8G;VHT80:Nss1,(M0):Ntx2	75.3M	75.862M	75M9D1D	75.3M	75.662M

**Result**

Mode	Result	Limit	P1-N dB (Hz)	P1-OBW (Hz)	P2-N dB (Hz)	P2-OBW (Hz)
5.2G:11a:Nss1:Ntx1:5180;TN,VN	Pass	Inf	20.825M	16.442M		
5.2G:11a:Nss1:Ntx1:5200;TN,VN	Pass	Inf	24.9M	16.442M		
5.2G:11a:Nss1:Ntx1:5240;TN,VN	Pass	Inf	25.375M	16.467M		
5.8G:11a:Nss1:Ntx1:5745;TN,VN	Pass	500k	16.275M	16.667M		
5.8G:11a:Nss1:Ntx1:5785;TN,VN	Pass	500k	16.325M	17.066M		
5.8G:11a:Nss1:Ntx1:5825;TN,VN	Pass	500k	16.3M	18.791M		
5.2G:VHT20:Nss1,(M0):Ntx2:5180;TN,VN	Pass	Inf	20.625M	17.616M	20M	17.666M
5.2G:VHT20:Nss1,(M0):Ntx2:5200;TN,VN	Pass	Inf	22.925M	17.666M	21.95M	17.691M
5.2G:VHT20:Nss1,(M0):Ntx2:5240;TN,VN	Pass	Inf	23.475M	17.691M	29.725M	17.741M
5.8G:VHT20:Nss1,(M0):Ntx2:5745;TN,VN	Pass	500k	17.525M	17.616M	17.575M	17.641M
5.8G:VHT20:Nss1,(M0):Ntx2:5785;TN,VN	Pass	500k	17.4M	17.666M	17.575M	17.666M
5.8G:VHT20:Nss1,(M0):Ntx2:5825;TN,VN	Pass	500k	17.55M	17.691M	17.55M	17.716M
5.2G:VHT40:Nss1,(M0):Ntx2:5190;TN,VN	Pass	Inf	71.9M	36.332M	72.45M	36.332M
5.2G:VHT40:Nss1,(M0):Ntx2:5230;TN,VN	Pass	Inf	39.5M	35.982M	56.35M	35.982M
5.8G:VHT40:Nss1,(M0):Ntx2:5755;TN,VN	Pass	500k	34.75M	36.082M	33.25M	36.182M
5.8G:VHT40:Nss1,(M0):Ntx2:5795;TN,VN	Pass	500k	33.8M	36.232M	33.65M	36.182M
5.2G:VHT80:Nss1,(M0):Ntx2:5210;TN,VN	Pass	Inf	83M	75.662M	83.3M	75.662M
5.8G:VHT80:Nss1,(M0):Ntx2:5775;TN,VN	Pass	500k	75.3M	75.862M	75.3M	75.662M









Summary

Mode	Sum (dBm)	Sum (W)	EIRP (dBm)	EIRP (W)
5.2G:11a:Nss1:Ntx1	25.68	0.36983	29.68	0.92897
5.8G:11a:Nss1:Ntx1	25.63	0.36559	29.63	0.91833
5.2G:VHT20:Nss1,(M0):Ntx2	28.46	0.70146	33.46	2.2182
5.8G:VHT20:Nss1,(M0):Ntx2	27.22	0.52723	32.22	1.66725
5.2G:VHT40:Nss1,(M0):Ntx2	27.89	0.61518	32.89	1.94536
5.8G:VHT40:Nss1,(M0):Ntx2	27.62	0.5781	32.62	1.8281
5.2G:VHT80:Nss1,(M0):Ntx2	20.33	0.10789	25.33	0.34119
5.8G:VHT80:Nss1,(M0):Ntx2	25.71	0.37239	30.71	1.17761

**Result**

Mode	Result	DG (dBi)	EIRP (dBm)	EIRP Lim. (dBm)	Sum (dBm)	Sum Lim. (dBm)	P1 (dBm)	P2 (dBm)
5.2G;11a:Nss1:Ntx1:5180;TN,VN	Pass	4.00	28.46	36.00	24.46	30.00	24.46	
5.2G;11a:Nss1:Ntx1:5200;TN,VN	Pass	4.00	29.68	36.00	25.68	30.00	25.68	
5.2G;11a:Nss1:Ntx1:5240;TN,VN	Pass	4.00	29.53	36.00	25.53	30.00	25.53	
5.8G;11a:Nss1:Ntx1:5745;TN,VN	Pass	4.00	29.63	36.00	25.63	30.00	25.63	
5.8G;11a:Nss1:Ntx1:5785;TN,VN	Pass	4.00	29.55	36.00	25.55	30.00	25.55	
5.8G;11a:Nss1:Ntx1:5825;TN,VN	Pass	4.00	29.57	36.00	25.57	30.00	25.57	
5.2G;VHT20:Nss1,(M0):Ntx2:5180;TN,VN	Pass	5.00	32.21	36.00	27.21	30.00	24.38	24.02
5.2G;VHT20:Nss1,(M0):Ntx2:5200;TN,VN	Pass	5.00	33.46	36.00	28.46	30.00	25.61	25.29
5.2G;VHT20:Nss1,(M0):Ntx2:5240;TN,VN	Pass	5.00	33.45	36.00	28.45	30.00	25.47	25.41
5.8G;VHT20:Nss1,(M0):Ntx2:5745;TN,VN	Pass	5.00	30.78	36.00	25.78	30.00	22.76	22.77
5.8G;VHT20:Nss1,(M0):Ntx2:5785;TN,VN	Pass	5.00	31.72	36.00	26.72	30.00	23.64	23.77
5.8G;VHT20:Nss1,(M0):Ntx2:5825;TN,VN	Pass	5.00	32.22	36.00	27.22	30.00	24.24	24.17
5.2G;VHT40:Nss1,(M0):Ntx2:5190;TN,VN	Pass	5.00	29.49	36.00	24.49	30.00	21.53	21.43
5.2G;VHT40:Nss1,(M0):Ntx2:5230;TN,VN	Pass	5.00	32.89	36.00	27.89	30.00	24.95	24.81
5.8G;VHT40:Nss1,(M0):Ntx2:5755;TN,VN	Pass	5.00	32.50	36.00	27.5	30.00	24.44	24.53
5.8G;VHT40:Nss1,(M0):Ntx2:5795;TN,VN	Pass	5.00	32.62	36.00	27.62	30.00	24.47	24.75
5.2G;VHT80:Nss1,(M0):Ntx2:5210;TN,VN	Pass	5.00	25.33	36.00	20.33	30.00	17.35	17.28
5.8G;VHT80:Nss1,(M0):Ntx2:5775;TN,VN	Pass	5.00	30.71	36.00	25.71	30.00	22.67	22.73

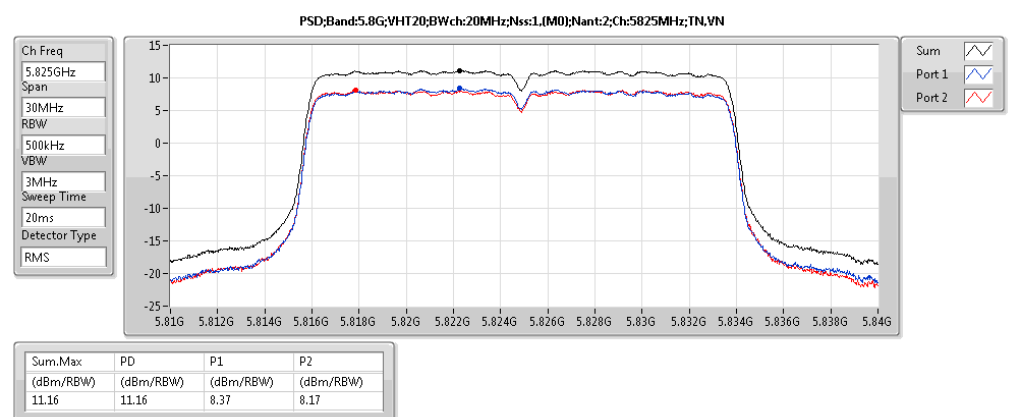
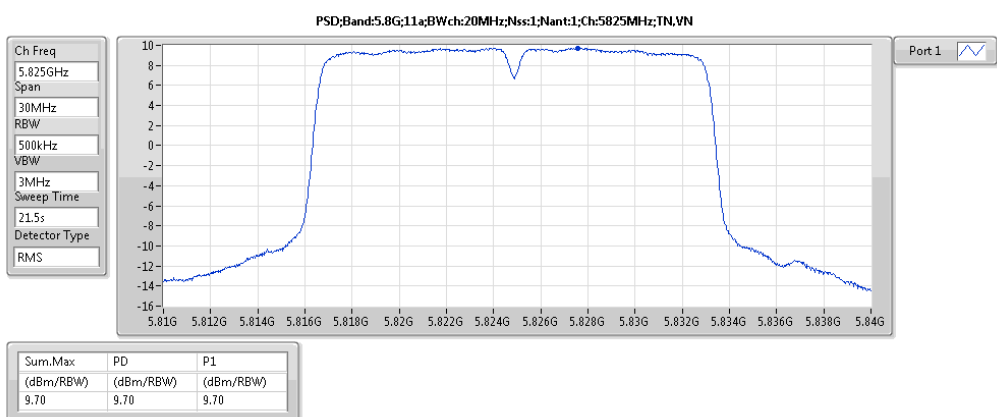
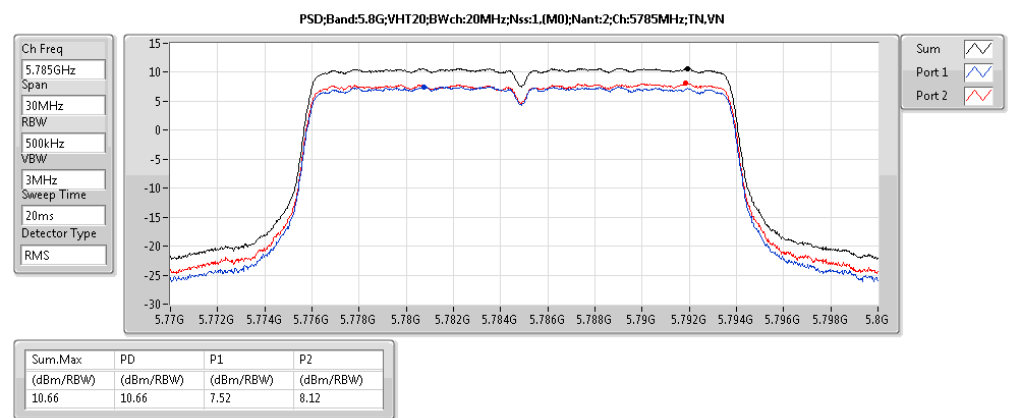
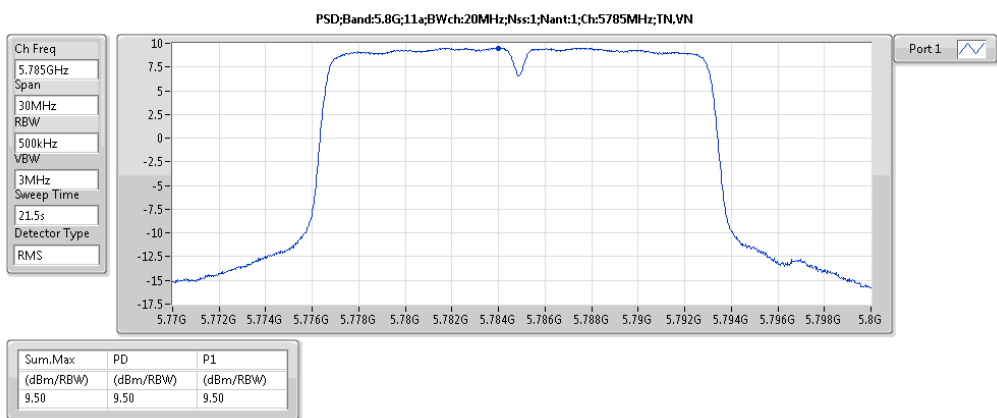
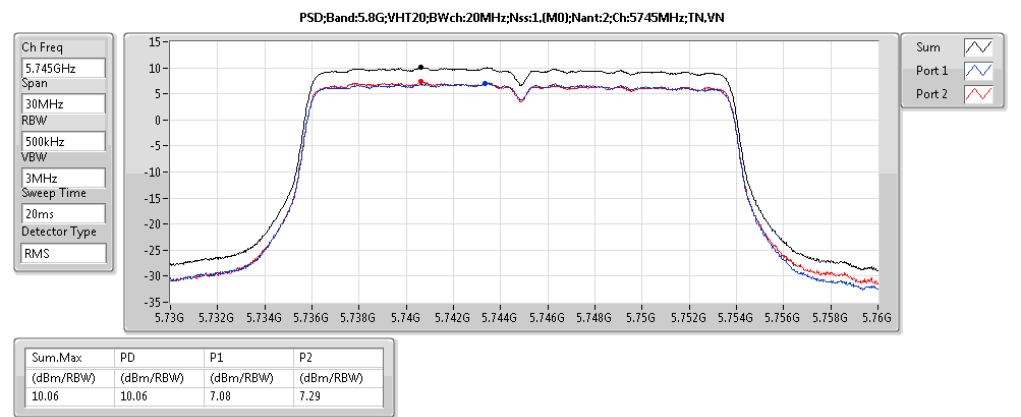
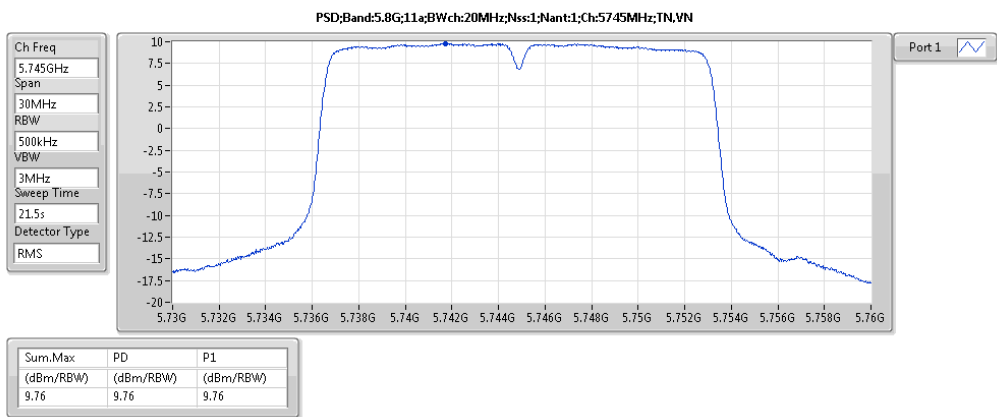
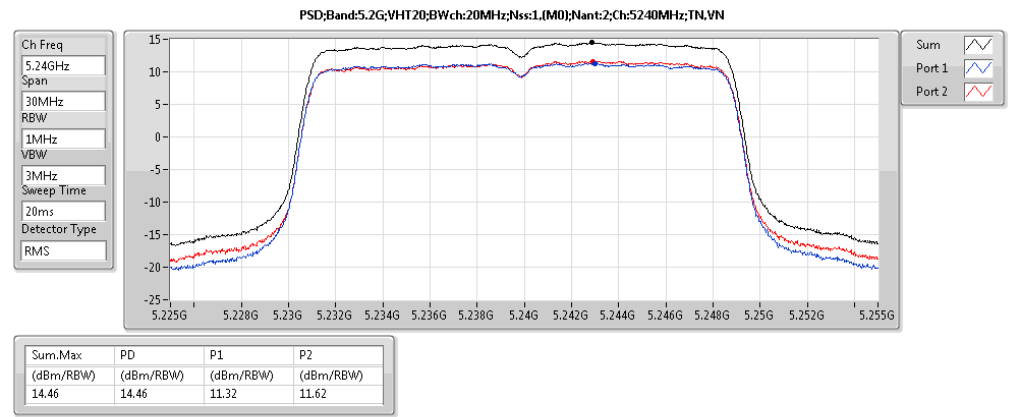
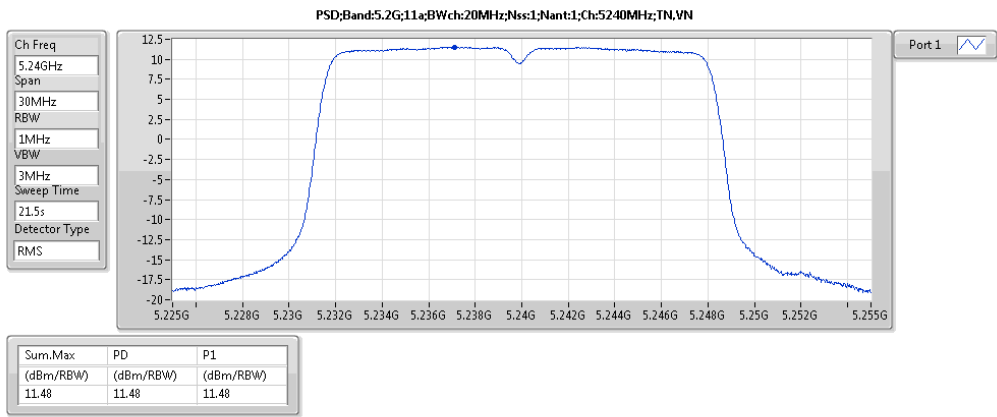
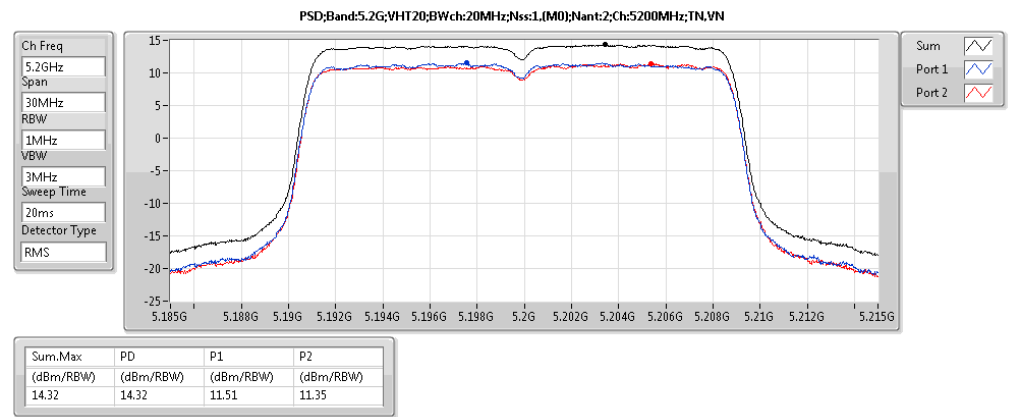
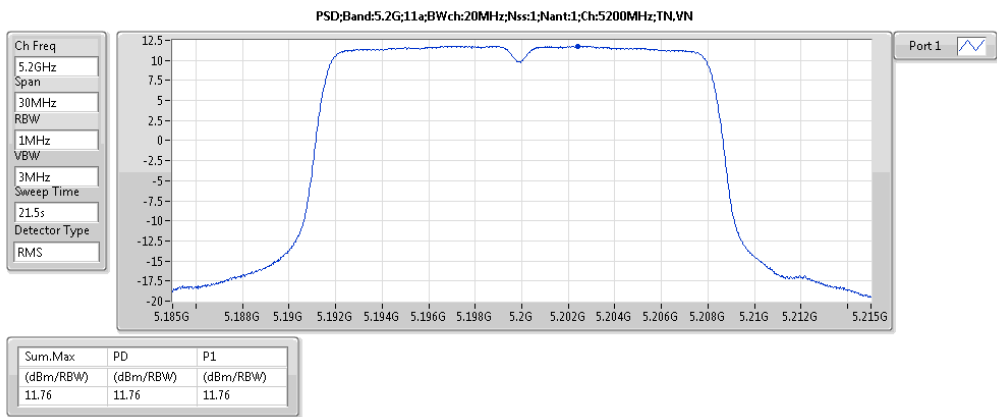
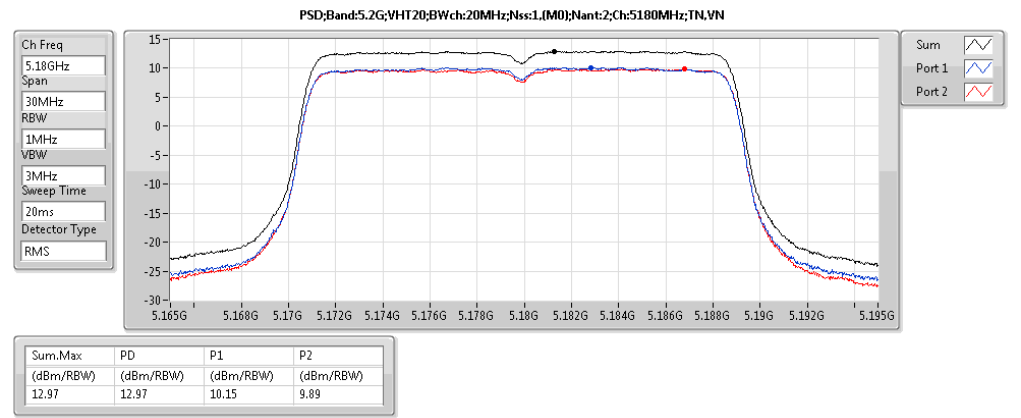
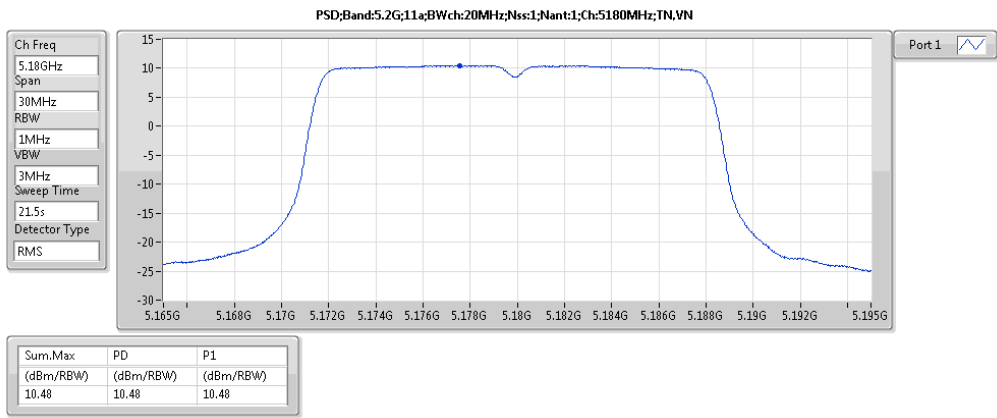


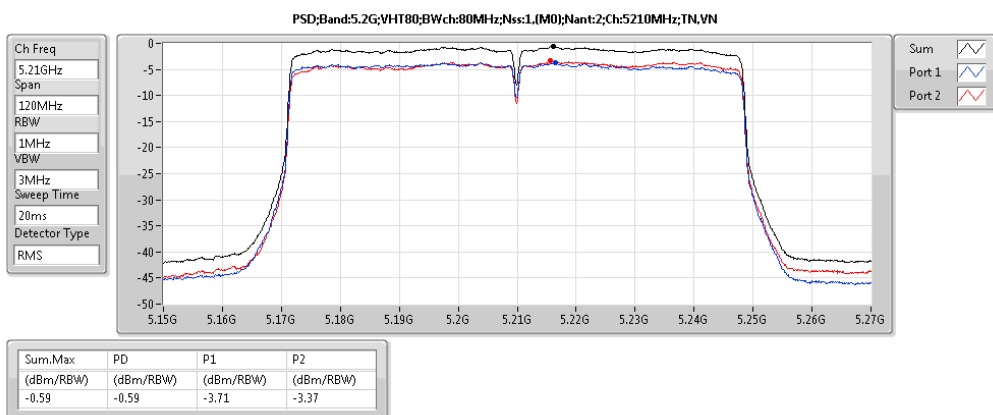
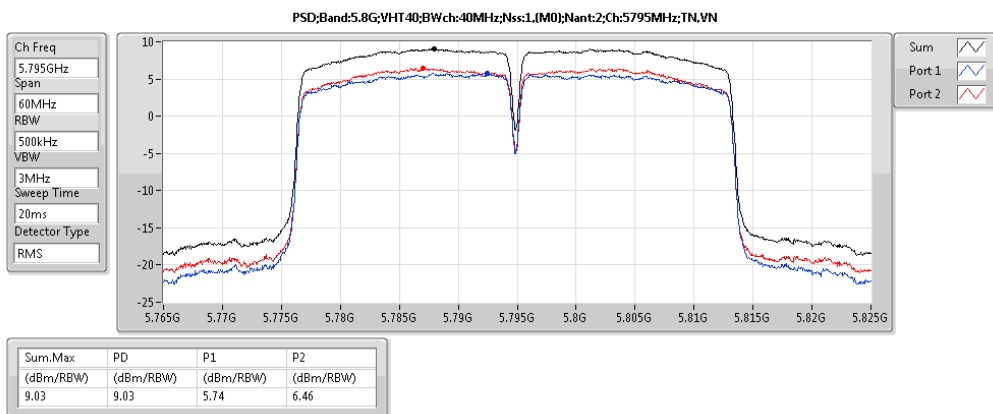
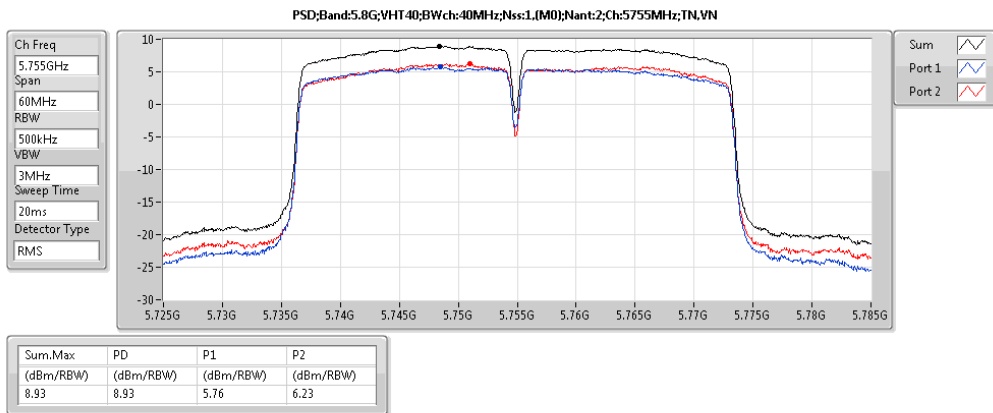
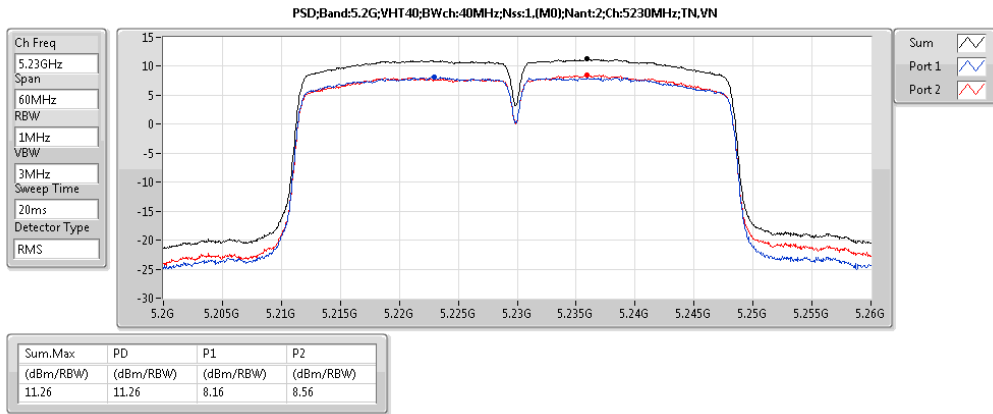
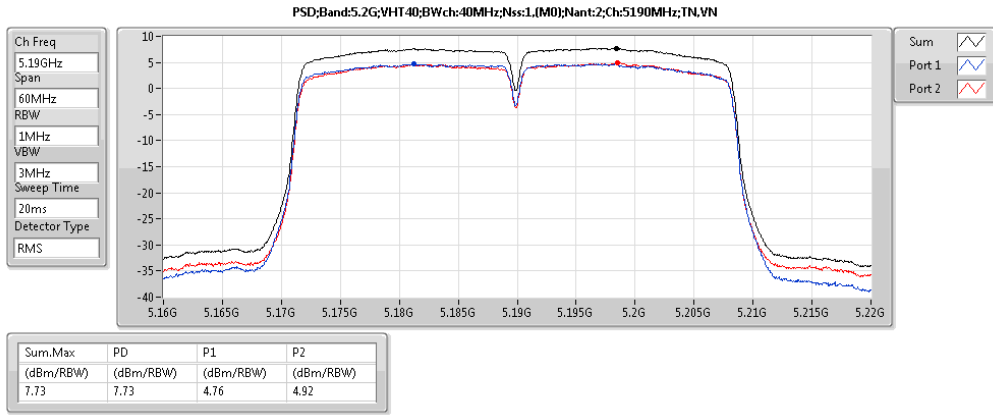
Summary

Mode	PD (dBm/RBW)	EIRP.PD (dBm/RBW)
5.2G;11a;Nss1;Ntx1	11.76	15.76
5.8G;11a;Nss1;Ntx1	9.76	13.76
5.2G;VHT20;Nss1,(M0);Ntx2	14.46	21.98
5.8G;VHT20;Nss1,(M0);Ntx2	11.16	18.68
5.2G;VHT40;Nss1,(M0);Ntx2	11.26	18.78
5.8G;VHT40;Nss1,(M0);Ntx2	9.03	16.55
5.2G;VHT80;Nss1,(M0);Ntx2	-0.59	6.93
5.8G;VHT80;Nss1,(M0);Ntx2	3.06	10.58

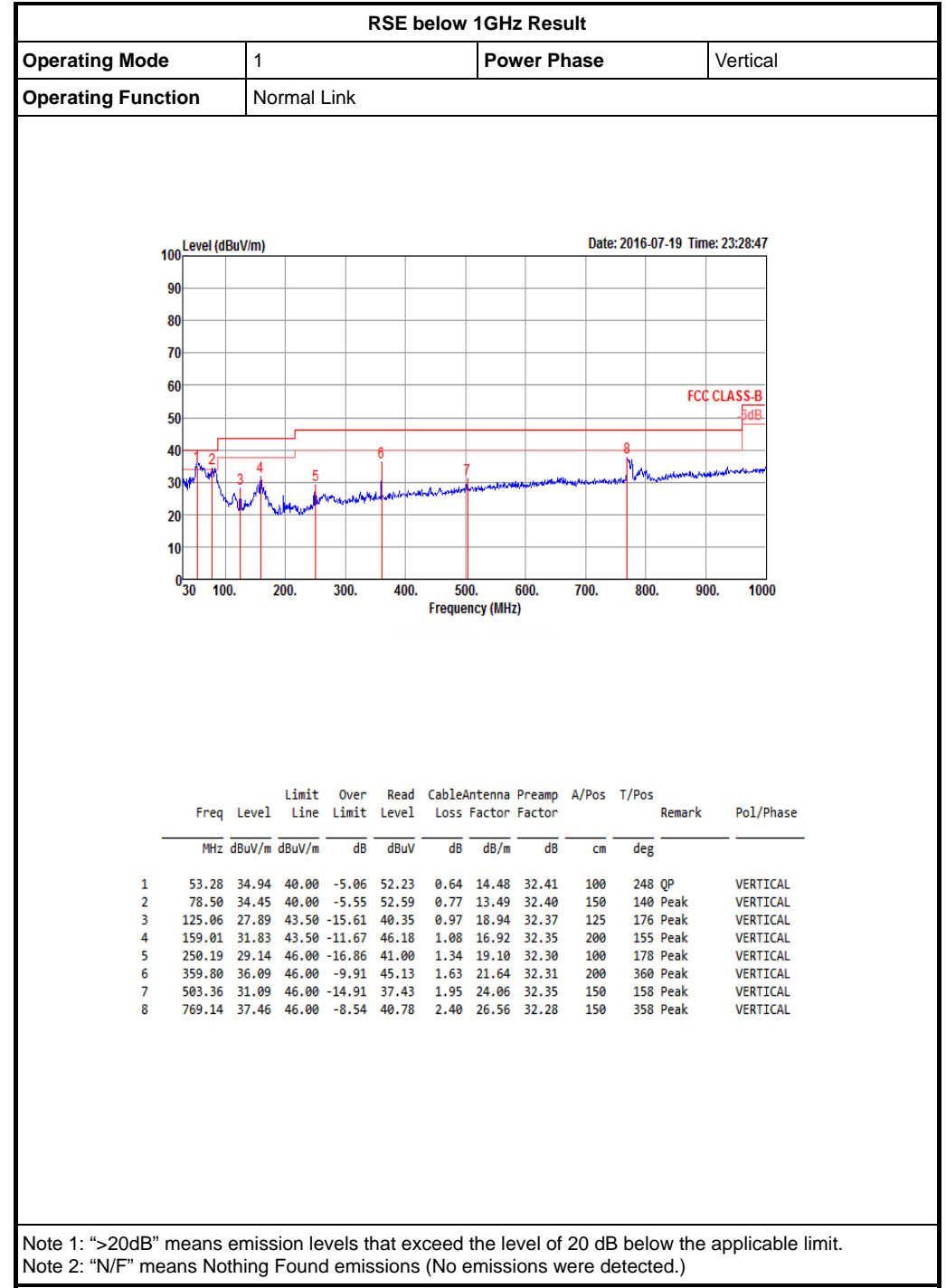
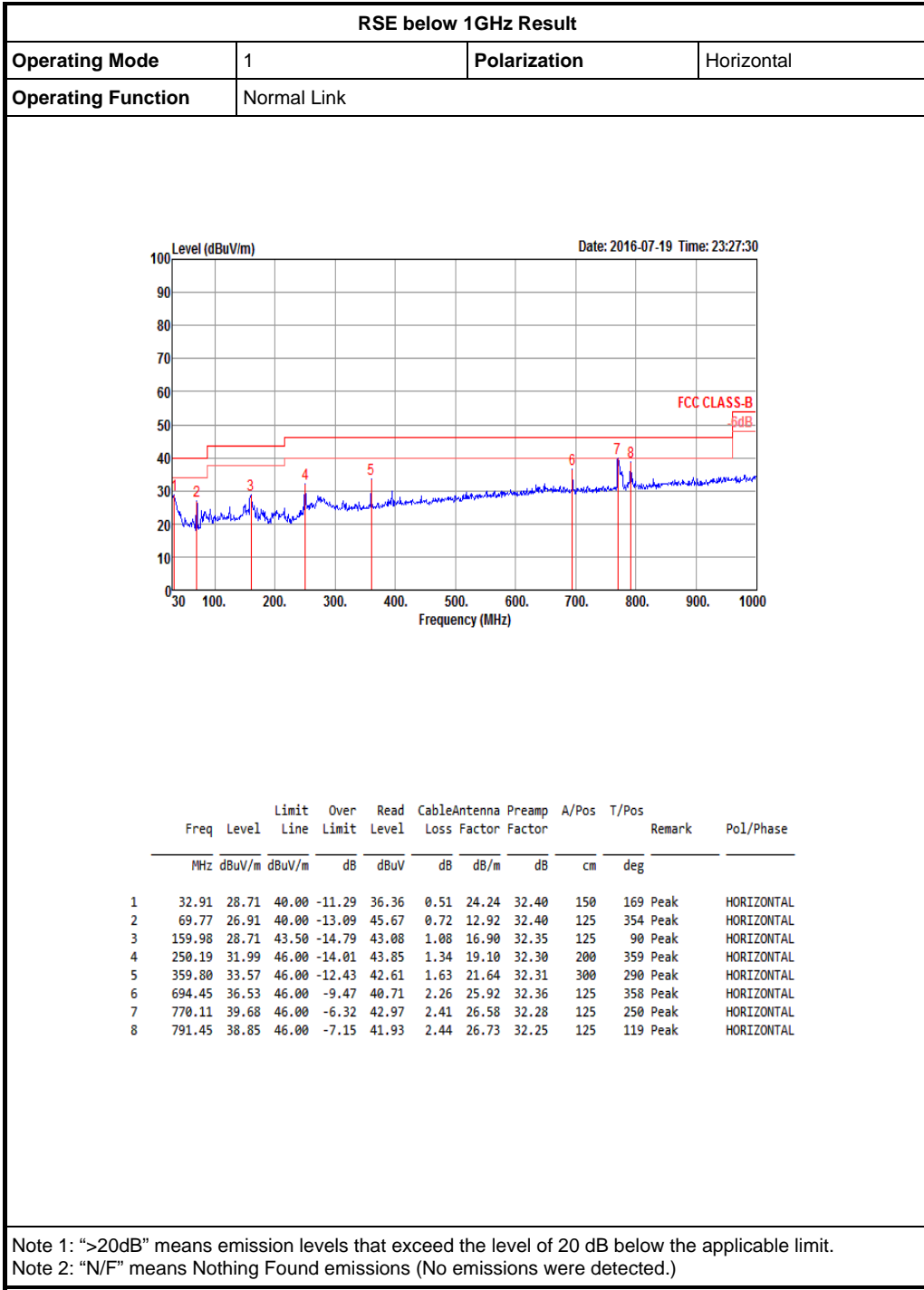
Result

Mode	Result	Meas.RBW (Hz)	Lim.RBW (Hz)	BWCF (dB)	DG (dBi)	Sum.Max (dBm/RBW)	PD (dBm/RBW)	PD.Limit (dBm/RBW)	EIRP.PD (dBm/RBW)	EIRP.PD.Li m (dBm/RBW)	P1 (dBm/RBW)	P2 (dBm/RBW)
5.2G:11a:Nss1:Ntx1:5180:TN,VN	Pass	1M	1M	0.00	4.00	10.48	10.48	17.00	14.48	Inf	10.48	
5.2G:11a:Nss1:Ntx1:5200:TN,VN	Pass	1M	1M	0.00	4.00	11.76	11.76	17.00	15.76	Inf	11.76	
5.2G:11a:Nss1:Ntx1:5240:TN,VN	Pass	1M	1M	0.00	4.00	11.48	11.48	17.00	15.48	Inf	11.48	
5.8G:11a:Nss1:Ntx1:5745:TN,VN	Pass	500k	500k	0.00	4.00	9.76	9.76	30.00	13.76	36.00	9.76	
5.8G:11a:Nss1:Ntx1:5785:TN,VN	Pass	500k	500k	0.00	4.00	9.50	9.50	30.00	13.50	36.00	9.50	
5.8G:11a:Nss1:Ntx1:5825:TN,VN	Pass	500k	500k	0.00	4.00	9.70	9.70	30.00	13.70	36.00	9.70	
5.2G:VHT20:Nss1,(M0):Ntx2:5180:TN,VN	Pass	1M	1M	0.00	7.52	12.97	12.97	15.48	20.49	Inf	10.15	9.89
5.2G:VHT20:Nss1,(M0):Ntx2:5200:TN,VN	Pass	1M	1M	0.00	7.52	14.32	14.32	15.48	21.84	Inf	11.51	11.35
5.2G:VHT20:Nss1,(M0):Ntx2:5240:TN,VN	Pass	1M	1M	0.00	7.52	14.46	14.46	15.48	21.98	Inf	11.32	11.62
5.8G:VHT20:Nss1,(M0):Ntx2:5745:TN,VN	Pass	500k	500k	0.00	7.52	10.06	10.06	28.48	17.58	34.48	7.08	7.29
5.8G:VHT20:Nss1,(M0):Ntx2:5785:TN,VN	Pass	500k	500k	0.00	7.52	10.66	10.66	28.48	18.18	34.48	7.52	8.12
5.8G:VHT20:Nss1,(M0):Ntx2:5825:TN,VN	Pass	500k	500k	0.00	7.52	11.16	11.16	28.48	18.68	34.48	8.37	8.17
5.2G:VHT40:Nss1,(M0):Ntx2:5190:TN,VN	Pass	1M	1M	0.00	7.52	7.73	7.73	15.48	15.25	Inf	4.76	4.92
5.2G:VHT40:Nss1,(M0):Ntx2:5230:TN,VN	Pass	1M	1M	0.00	7.52	11.26	11.26	15.48	18.78	Inf	8.16	8.56
5.8G:VHT40:Nss1,(M0):Ntx2:5755:TN,VN	Pass	500k	500k	0.00	7.52	8.93	8.93	28.48	16.45	34.48	5.76	6.23
5.8G:VHT40:Nss1,(M0):Ntx2:5795:TN,VN	Pass	500k	500k	0.00	7.52	9.03	9.03	28.48	16.55	34.48	5.74	6.46
5.2G:VHT80:Nss1,(M0):Ntx2:5210:TN,VN	Pass	1M	1M	0.00	7.52	-0.59	-0.59	15.48	6.93	Inf	-3.71	-3.37
5.8G:VHT80:Nss1,(M0):Ntx2:5775:TN,VN	Pass	500k	500k	0.00	7.52	3.06	3.06	28.48	10.58	34.48	-0.14	0.55











Radiated Emissions (1GHz~40GHz)

Configurations	IEEE 802.11a CH 36 / Chain 1
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15538.35	44.47	54.00	-9.53	27.77	12.06	38.13	33.49	158	332	Average	HORIZONTAL
2	15538.56	58.33	74.00	-15.67	41.63	12.06	38.13	33.49	158	332	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15540.38	44.75	54.00	-9.25	28.05	12.06	38.13	33.49	192	273	Average	VERTICAL
2	15540.83	58.08	74.00	-15.92	41.38	12.06	38.13	33.49	192	273	Peak	VERTICAL

Configurations	IEEE 802.11a CH 40 / Chain 1
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15599.86	46.45	54.00	-7.55	29.84	12.09	38.05	33.53	154	109	Average	HORIZONTAL
2	15600.35	58.46	74.00	-15.54	41.85	12.09	38.05	33.53	188	109	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15599.91	47.12	54.00	-6.88	30.51	12.09	38.05	33.53	118	24	Average	VERTICAL
2	15600.82	61.04	74.00	-12.96	44.48	12.11	37.98	33.53	118	24	Peak	VERTICAL

Configurations	IEEE 802.11a CH 48 / Chain 1
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Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15719.14	59.04	74.00	-14.96	42.72	12.15	37.84	33.67	158	265	Peak	HORIZONTAL
2	15719.21	46.62	54.00	-7.38	30.30	12.15	37.84	33.67	158	265	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15719.40	60.80	74.00	-13.20	44.48	12.15	37.84	33.67	122	26	Peak	VERTICAL
2	15720.10	46.84	54.00	-7.16	30.52	12.15	37.84	33.67	122	26	Average	VERTICAL



<b>Configurations</b>	IEEE 802.11a CH 149 / Chain 1
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**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11489.96	47.76	54.00	-6.24	31.64	10.10	39.20	33.18	104	233	Average	HORIZONTAL
2	11490.21	61.05	74.00	-12.95	44.93	10.10	39.20	33.18	104	233	Peak	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11489.31	62.12	74.00	-11.88	46.00	10.10	39.20	33.18	116	313	Peak	VERTICAL
2	11489.94	49.26	54.00	-4.74	33.14	10.10	39.20	33.18	116	313	Average	VERTICAL

<b>Configurations</b>	IEEE 802.11a CH 157 / Chain 1
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**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11569.81	46.97	54.00	-7.03	30.84	10.13	39.20	33.20	116	234	Average	HORIZONTAL
2	11570.19	60.13	74.00	-13.87	44.00	10.13	39.20	33.20	116	234	Peak	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11569.71	48.39	54.00	-5.61	32.26	10.13	39.20	33.20	114	314	Average	VERTICAL
2	11570.49	61.93	74.00	-12.07	45.80	10.13	39.20	33.20	114	314	Peak	VERTICAL

<b>Configurations</b>	IEEE 802.11a CH 165 / Chain 1
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**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11647.24	58.17	74.00	-15.83	42.03	10.16	39.20	33.22	121	108	Peak	HORIZONTAL
2	11649.81	45.84	54.00	-8.16	29.70	10.16	39.20	33.22	121	108	Average	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11649.20	61.42	74.00	-12.58	45.28	10.16	39.20	33.22	108	316	Peak	VERTICAL
2	11649.81	48.11	54.00	-5.89	31.97	10.16	39.20	33.22	108	316	Average	VERTICAL



<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2
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**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15539.42	58.17	74.00	-15.83	41.47	12.06	38.13	33.49	189	143	Peak	HORIZONTAL
2	15540.86	44.37	54.00	-9.63	27.67	12.06	38.13	33.49	189	143	Average	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15539.68	44.86	54.00	-9.14	28.16	12.06	38.13	33.49	156	243	Average	VERTICAL
2	15540.52	58.28	74.00	-15.72	41.58	12.06	38.13	33.49	156	243	Peak	VERTICAL

<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2
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**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15600.38	58.41	74.00	-15.59	41.80	12.09	38.05	33.53	172	314	Peak	HORIZONTAL
2	15600.56	44.36	54.00	-9.64	27.80	12.11	37.98	33.53	172	314	Average	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15599.29	45.52	54.00	-8.48	28.91	12.09	38.05	33.53	211	223	Average	VERTICAL
2	15600.04	58.73	74.00	-15.27	42.12	12.09	38.05	33.53	211	223	Peak	VERTICAL

<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2
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**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15719.90	58.20	74.00	-15.80	41.88	12.15	37.84	33.67	138	241	Peak	HORIZONTAL
2	15721.03	45.70	54.00	-8.30	29.38	12.15	37.84	33.67	138	241	Average	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15719.09	59.64	74.00	-14.36	43.32	12.15	37.84	33.67	300	260	Peak	VERTICAL
2	15720.58	46.40	54.00	-7.60	30.08	12.15	37.84	33.67	300	260	Average	VERTICAL



<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2
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**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11489.26	62.14	74.00	-11.86	46.02	10.10	39.20	33.18	110	233	Peak	HORIZONTAL
2	11489.58	48.29	54.00	-5.71	32.17	10.10	39.20	33.18	110	233	Average	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11490.30	50.74	54.00	-3.26	34.62	10.10	39.20	33.18	113	314	Average	VERTICAL
2	11492.45	66.60	74.00	-7.40	50.48	10.10	39.20	33.18	113	314	Peak	VERTICAL

<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2
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**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11566.71	47.42	54.00	-6.58	31.29	10.13	39.20	33.20	104	235	Average	HORIZONTAL
2	11569.41	61.87	74.00	-12.13	45.74	10.13	39.20	33.20	104	235	Peak	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11569.20	64.82	74.00	-9.18	48.69	10.13	39.20	33.20	101	318	Peak	VERTICAL

<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2
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**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11649.52	47.14	54.00	-6.86	31.00	10.16	39.20	33.22	107	234	Average	HORIZONTAL
2	11649.79	60.92	74.00	-13.08	44.78	10.16	39.20	33.22	107	234	Peak	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11649.31	65.02	74.00	-8.98	48.88	10.16	39.20	33.22	100	315	Peak	VERTICAL
2	11650.02	50.75	54.00	-3.25	34.61	10.16	39.20	33.22	100	315	Average	VERTICAL



<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2
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**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15569.62	58.29	74.00	-15.71	41.68	12.09	38.05	33.53	161	139	Peak	HORIZONTAL
2	15570.10	44.64	54.00	-9.36	28.03	12.09	38.05	33.53	161	139	Average	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15569.39	44.86	54.00	-9.14	28.25	12.09	38.05	33.53	188	265	Average	VERTICAL
2	15569.61	57.64	74.00	-16.36	41.03	12.09	38.05	33.53	188	265	Peak	VERTICAL

<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2
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**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15690.00	45.27	54.00	-8.73	28.85	12.13	37.91	33.62	183	114	Average	HORIZONTAL
2	15690.74	58.71	74.00	-15.29	42.29	12.13	37.91	33.62	183	114	Peak	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15689.58	58.68	74.00	-15.32	42.26	12.13	37.91	33.62	149	218	Peak	VERTICAL
2	15690.41	44.91	54.00	-9.09	28.49	12.13	37.91	33.62	149	218	Average	VERTICAL



<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2
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**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11509.74	59.67	74.00	-14.33	43.56	10.10	39.20	33.19	269	234 Peak	HORIZONTAL
2	11509.97	46.79	54.00	-7.21	30.68	10.10	39.20	33.19	269	234 Average	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11510.96	64.27	74.00	-9.73	48.16	10.10	39.20	33.19	108	315 Peak	VERTICAL
2	11513.62	50.84	54.00	-3.16	34.73	10.10	39.20	33.19	108	315 Average	VERTICAL

<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 / Chain 1 + Chain 2
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**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11589.17	61.06	74.00	-12.94	44.92	10.15	39.20	33.21	107	233 Peak	HORIZONTAL
2	11589.21	47.63	54.00	-6.37	31.49	10.15	39.20	33.21	107	233 Average	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	11589.04	63.89	74.00	-10.11	47.75	10.15	39.20	33.21	108	315 Peak	VERTICAL
2	11589.94	50.79	54.00	-3.21	34.65	10.15	39.20	33.21	108	315 Average	VERTICAL



<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2
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**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15629.98	57.84	74.00	-16.16	41.33	12.11	37.98	33.58	162	289	Peak	HORIZONTAL
2	15630.83	44.96	54.00	-9.04	28.45	12.11	37.98	33.58	162	289	Average	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	15630.14	57.88	74.00	-16.12	41.37	12.11	37.98	33.58	177	352	Peak	VERTICAL
2	15630.27	44.67	54.00	-9.33	28.16	12.11	37.98	33.58	177	352	Average	VERTICAL

<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2
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**Horizontal**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11549.26	45.20	54.00	-8.80	29.08	10.12	39.20	33.20	116	233	Average	HORIZONTAL
2	11550.07	58.28	74.00	-15.72	42.16	10.12	39.20	33.20	116	233	Peak	HORIZONTAL

**Vertical**

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	11548.64	61.50	74.00	-12.50	45.38	10.12	39.20	33.20	100	313	Peak	VERTICAL
2	11549.89	48.05	54.00	-5.95	31.93	10.12	39.20	33.20	100	313	Average	VERTICAL

Note:

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

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

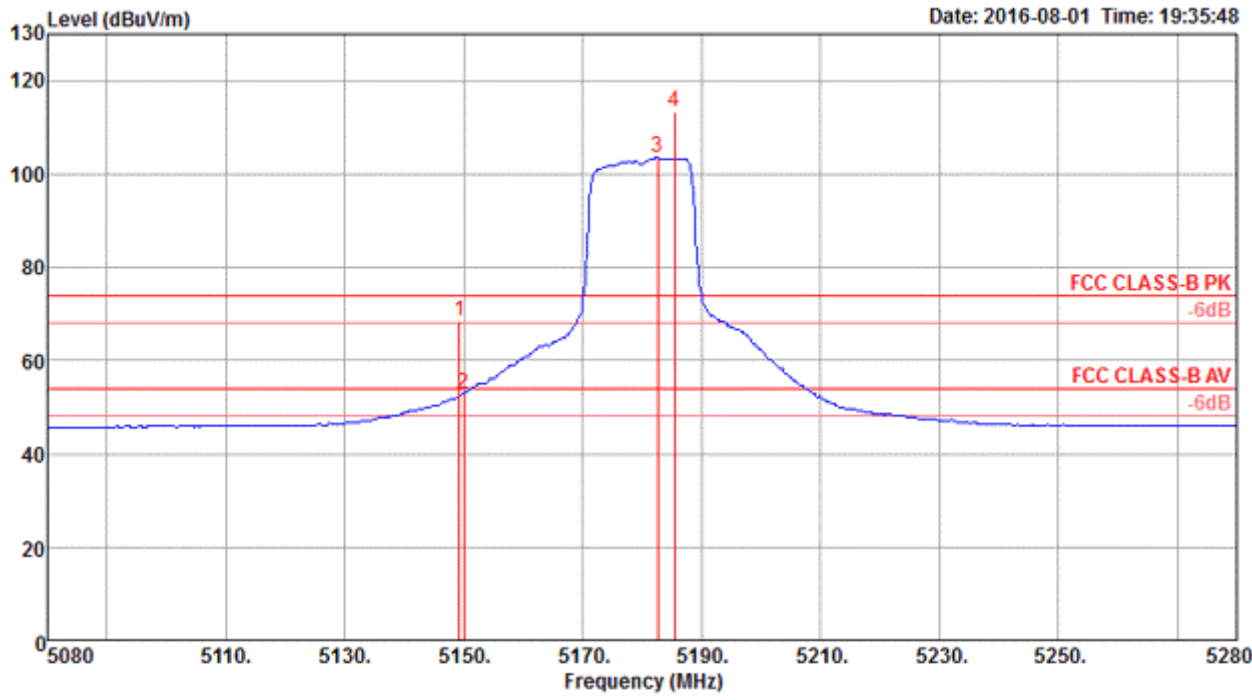




Band Edge Emissions

Configurations	IEEE 802.11a CH 36, 40, 48 / Chain 1
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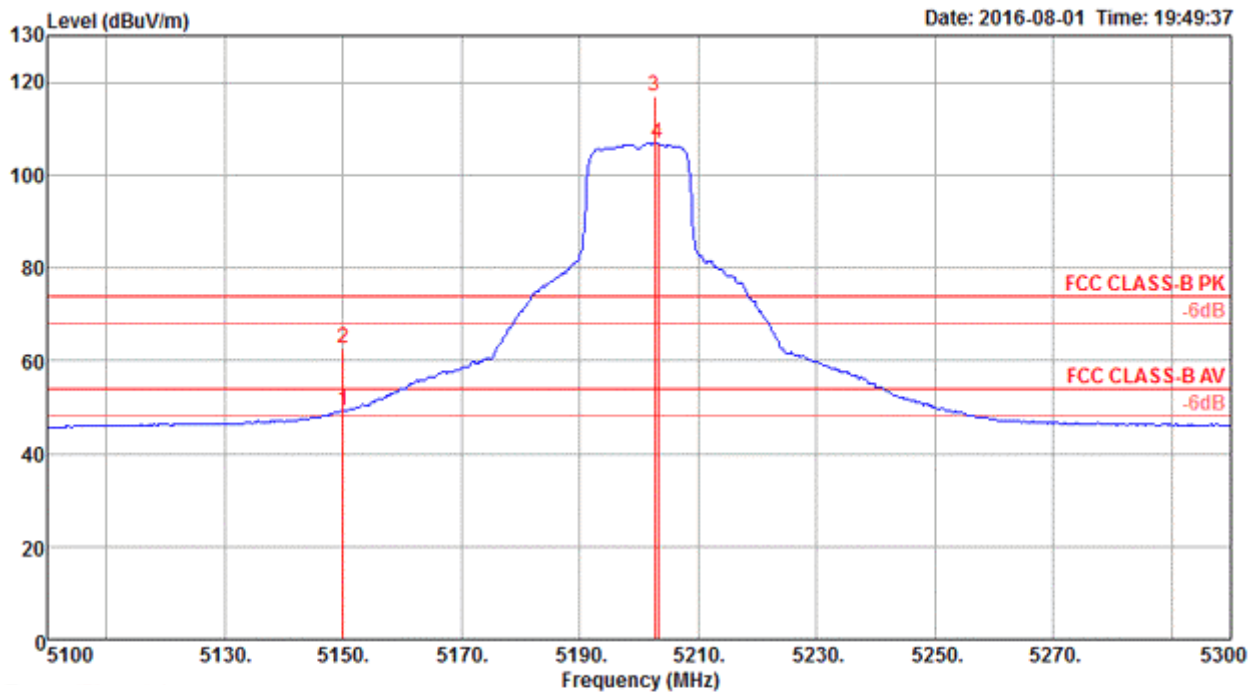
Channel 36



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5149.23	68.54	74.00	-5.46	61.28	6.44	33.74	32.92	200	224	Peak	VERTICAL
2	5150.00	52.89	54.00	-1.11	45.63	6.44	33.74	32.92	200	224	Average	VERTICAL
3	5182.56	103.46			96.12	6.47	33.79	32.92	200	224	Average	VERTICAL
4	5185.45	113.44			106.10	6.47	33.79	32.92	200	224	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

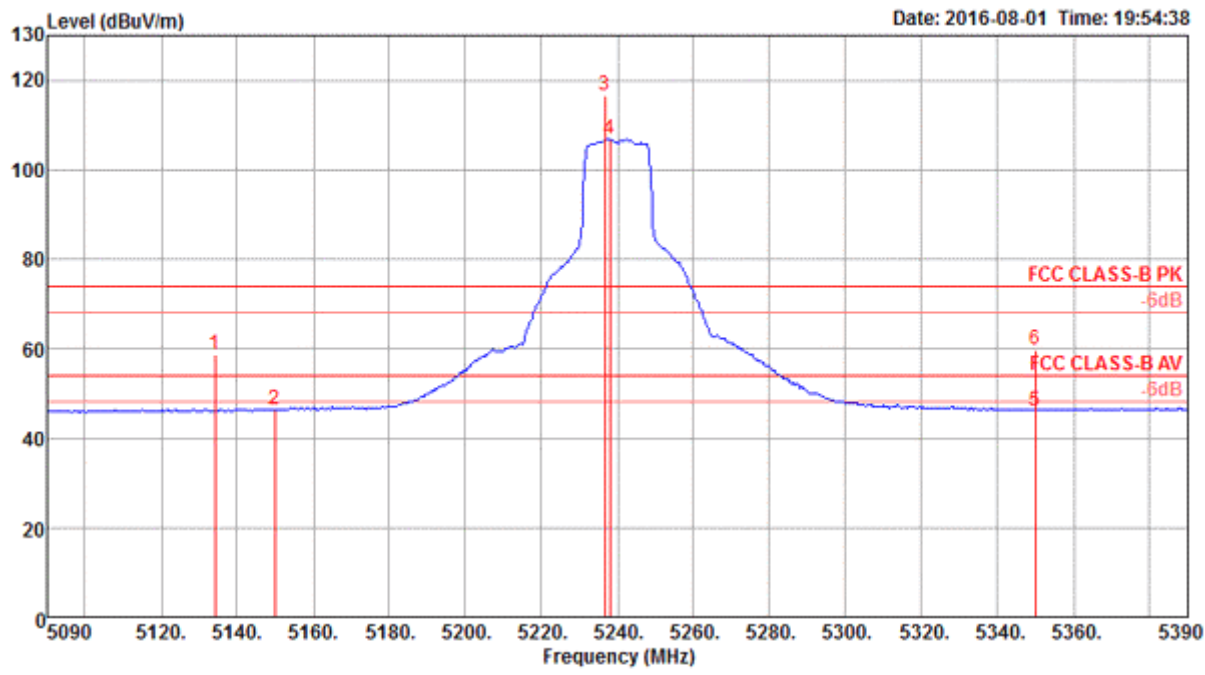
Channel 40



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5150.00	49.15	54.00	-4.85	41.89	6.44	33.74	32.92	200	230	Average	VERTICAL
2	5150.00	62.71	74.00	-11.29	55.45	6.44	33.74	32.92	200	230	Peak	VERTICAL
3	5202.56	116.98			109.57	6.49	33.84	32.92	200	230	Peak	VERTICAL
4	5203.21	106.74			99.33	6.49	33.84	32.92	200	230	Average	VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.

Channel 48



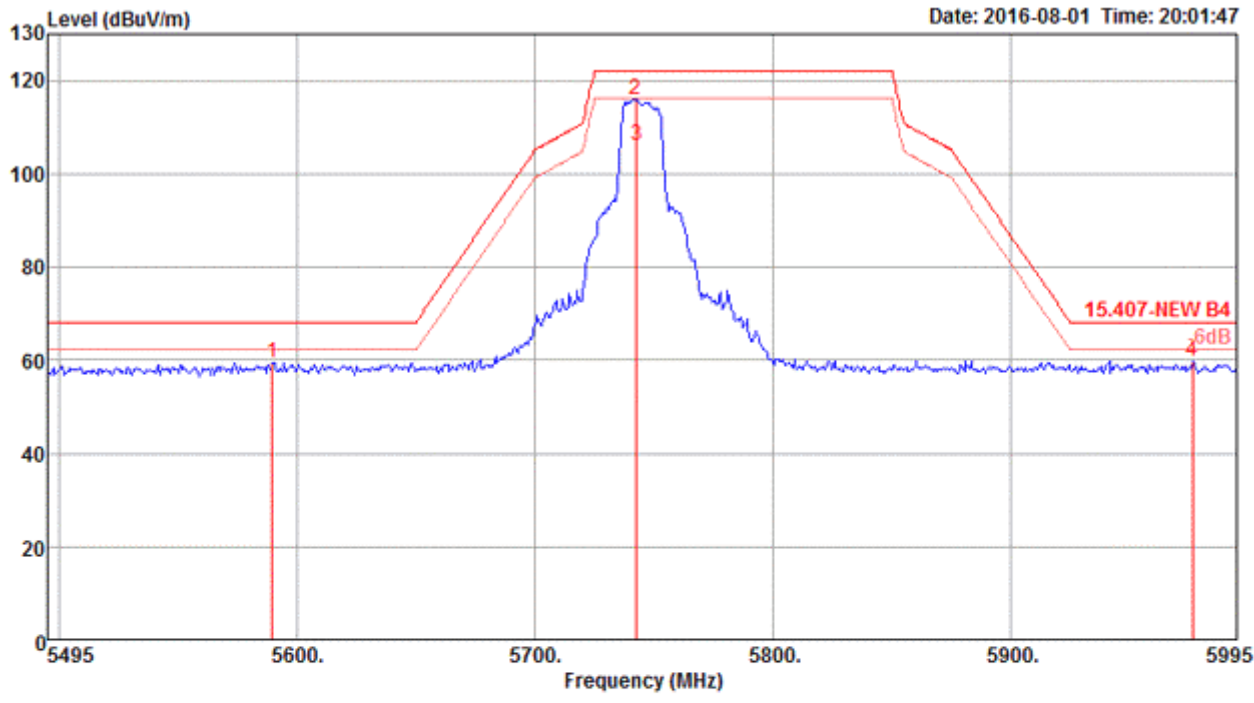
	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5134.23	58.83	74.00	-15.17	51.60	6.43	33.72	32.92	198	72 Peak	VERTICAL
2	5150.00	46.36	54.00	-7.64	39.10	6.44	33.74	32.92	198	72 Average	VERTICAL
3	5236.64	116.48			108.99	6.52	33.89	32.92	198	72 Peak	VERTICAL
4	5238.08	106.74			99.25	6.52	33.89	32.92	198	72 Average	VERTICAL
5	5350.00	46.08	54.00	-7.92	38.33	6.61	34.06	32.92	198	72 Average	VERTICAL
6	5350.00	59.90	74.00	-14.10	52.15	6.61	34.06	32.92	198	72 Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.



<b>Configurations</b>	IEEE 802.11a CH 149, 157, 165 / Chain 1
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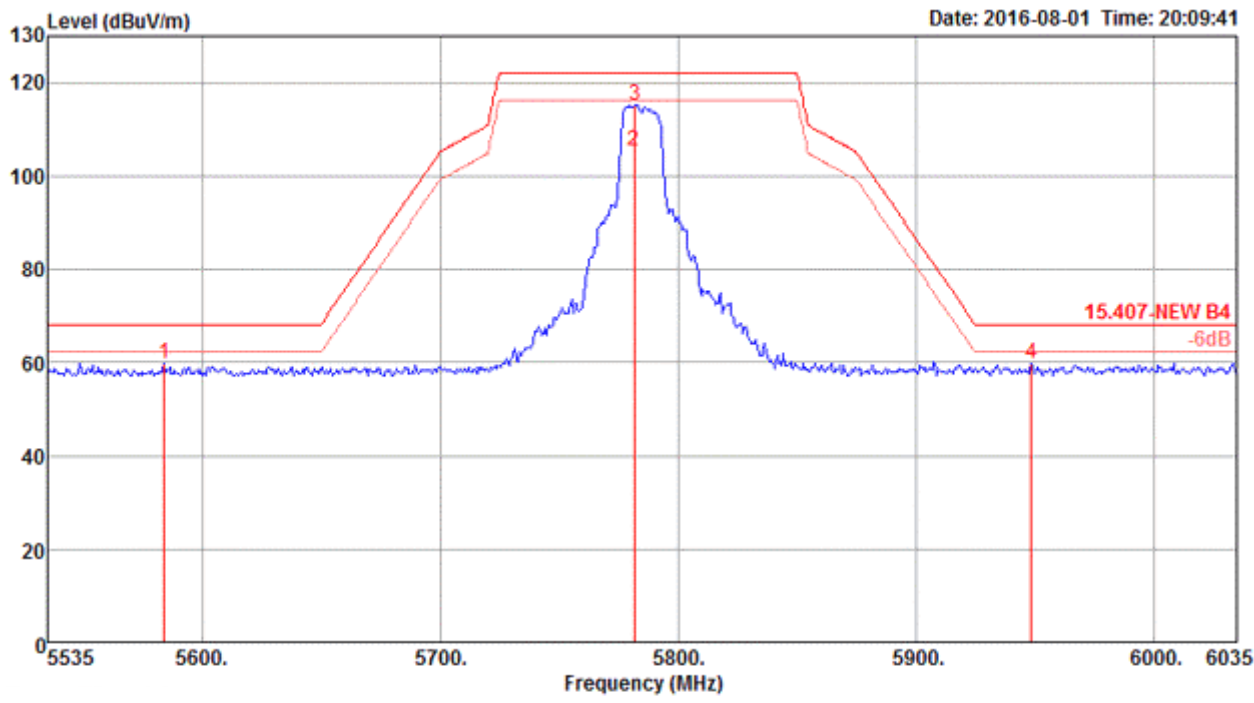
Channel 149



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5589.50	59.31	68.20	-8.89	51.17	6.74	34.35	32.95	157	24 Peak	VERTICAL
2	5742.50	115.79			107.43	6.90	34.45	32.99	157	24 Peak	VERTICAL
3	5742.60	106.10			97.74	6.90	34.45	32.99	157	24 Average	VERTICAL
4	5976.50	59.76	68.20	-8.44	51.23	7.00	34.59	33.06	157	24 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5745 MHz.

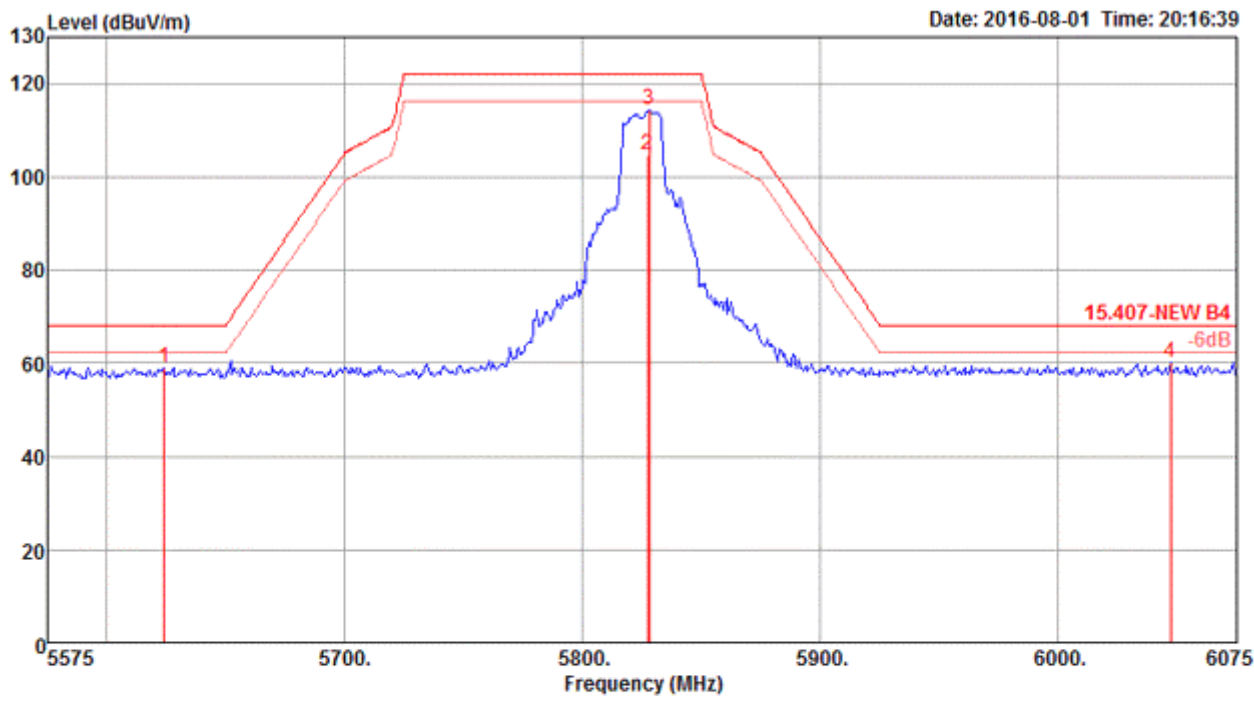
Channel 157



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5584.00	59.68	68.20	-8.52	51.54	6.74	34.35	32.95	177	109	Peak	VERTICAL
2	5781.80	105.44			97.04	6.93	34.47	33.00	177	109	Average	VERTICAL
3	5782.00	115.11			106.71	6.93	34.47	33.00	177	109	Peak	VERTICAL
4	5948.50	59.68	68.20	-8.52	51.17	6.99	34.57	33.05	177	109	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165



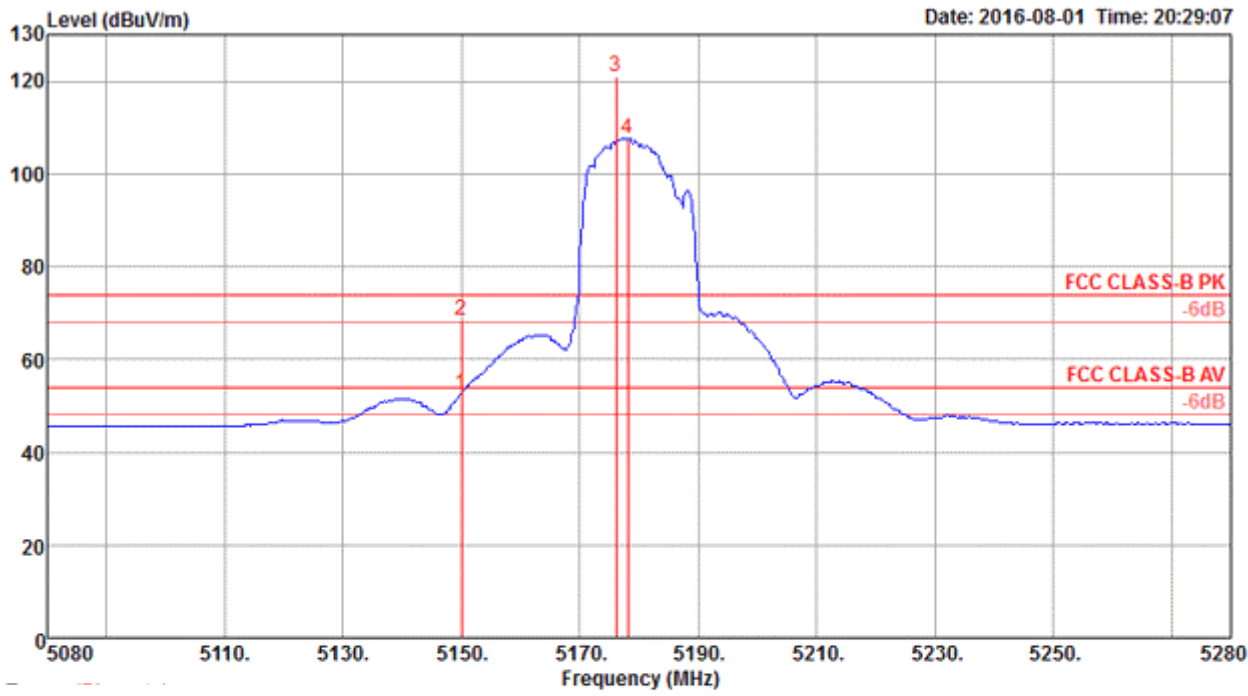
	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5624.00	59.01	68.20	-9.19	50.81	6.78	34.38	32.96	114	148	Peak	VERTICAL
2	5827.40	104.61			96.17	6.96	34.50	33.02	114	148	Average	VERTICAL
3	5828.00	114.43			105.99	6.96	34.50	33.02	114	148	Peak	VERTICAL
4	6047.00	59.98	68.20	-8.22	51.38	7.05	34.61	33.06	114	148	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5825 MHz.



<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 36, 40, 48 / Chain 1 + Chain 2
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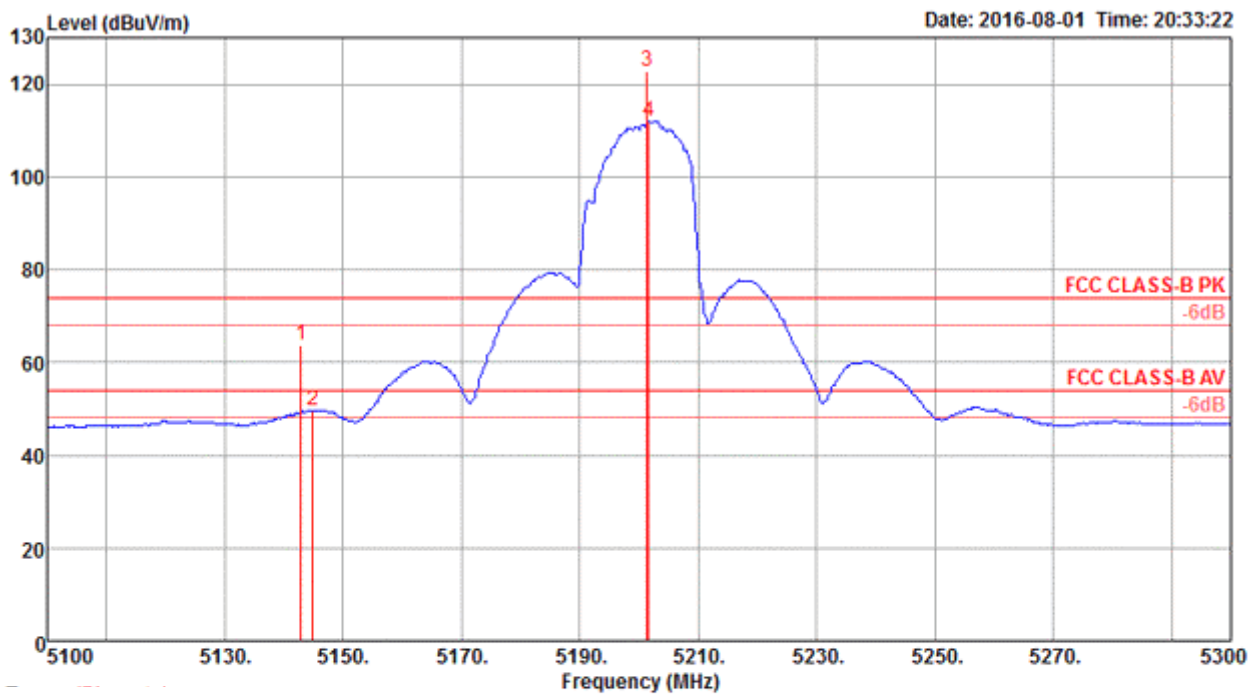
Channel 36



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5150.00	52.54	54.00	-1.46	45.28	6.44	33.74	32.92	196	332 Average	VERTICAL
2	5150.00	68.26	74.00	-5.74	61.00	6.44	33.74	32.92	196	332 Peak	VERTICAL
3	5176.15	120.95			113.61	6.47	33.79	32.92	196	332 Peak	VERTICAL
4	5178.08	107.57			100.23	6.47	33.79	32.92	196	332 Average	VERTICAL

Item 3, 4 are the fundamental frequency at 5180 MHz.

Channel 40

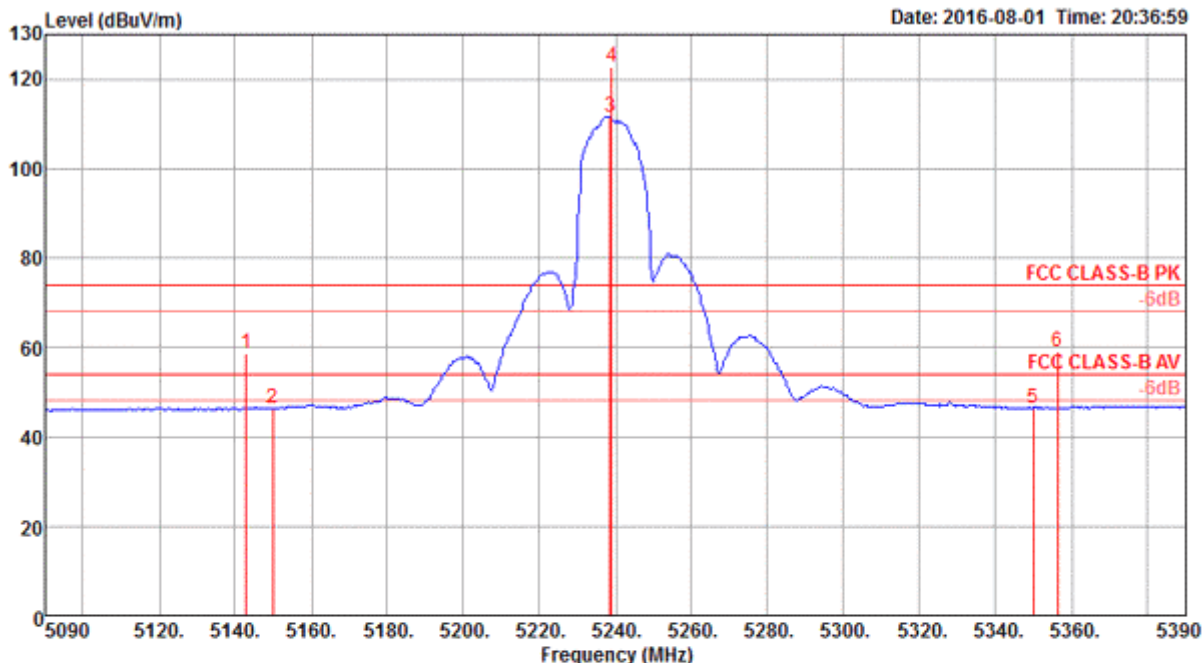


	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5142.95	63.86	74.00	-10.14	56.60	6.44	33.74	32.92	121	13 Peak	VERTICAL
2	5144.87	49.56	54.00	-4.44	42.30	6.44	33.74	32.92	121	13 Average	VERTICAL
3	5201.28	122.77			115.39	6.48	33.82	32.92	121	13 Peak	VERTICAL
4	5201.60	111.76			104.35	6.49	33.84	32.92	121	13 Average	VERTICAL

Item 3, 4 are the fundamental frequency at 5200 MHz.



Channel 48



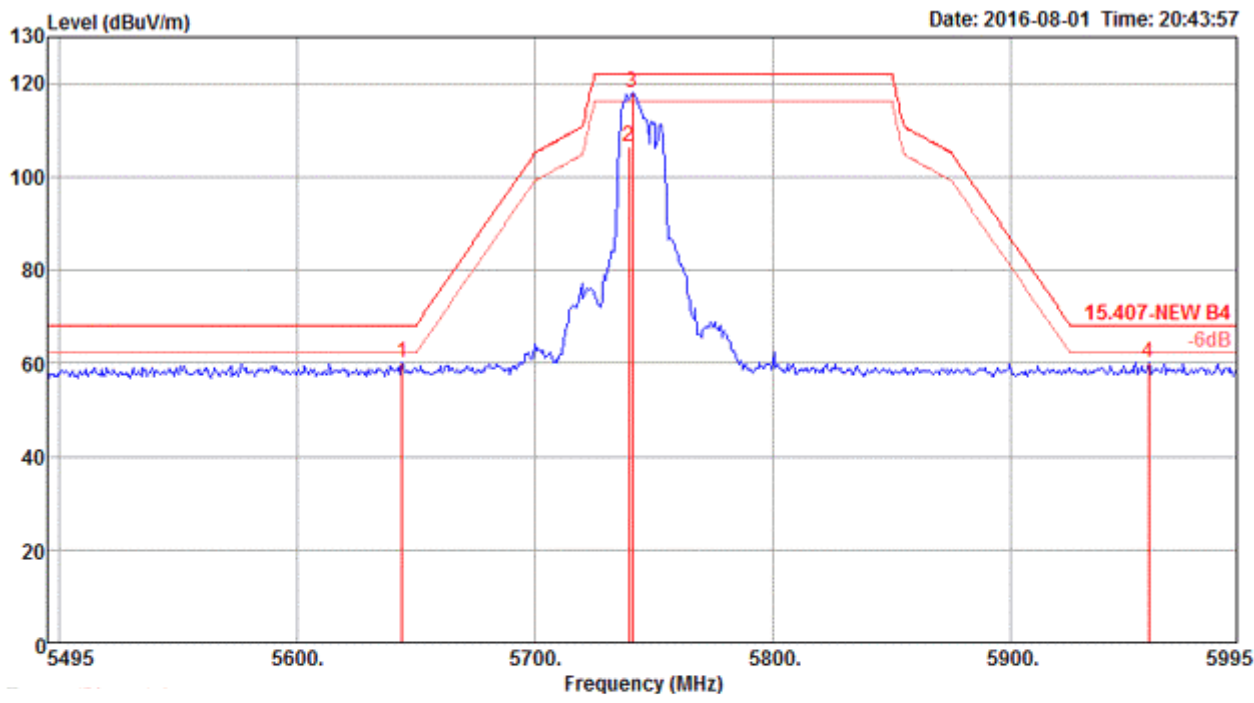
	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5142.79	58.53	74.00	-15.47	51.27	6.44	33.74	32.92	106	186 Peak	VERTICAL
2	5150.00	46.27	54.00	-7.73	39.01	6.44	33.74	32.92	106	186 Average	VERTICAL
3	5238.56	111.55			104.06	6.52	33.89	32.92	106	186 Average	VERTICAL
4	5239.04	122.78			115.29	6.52	33.89	32.92	106	186 Peak	VERTICAL
5	5350.00	46.38	54.00	-7.62	38.63	6.61	34.06	32.92	106	186 Average	VERTICAL
6	5356.25	58.99	74.00	-15.01	51.21	6.62	34.08	32.92	106	186 Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5240 MHz.



<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT20 CH 149, 157, 165 / Chain 1 + Chain 2
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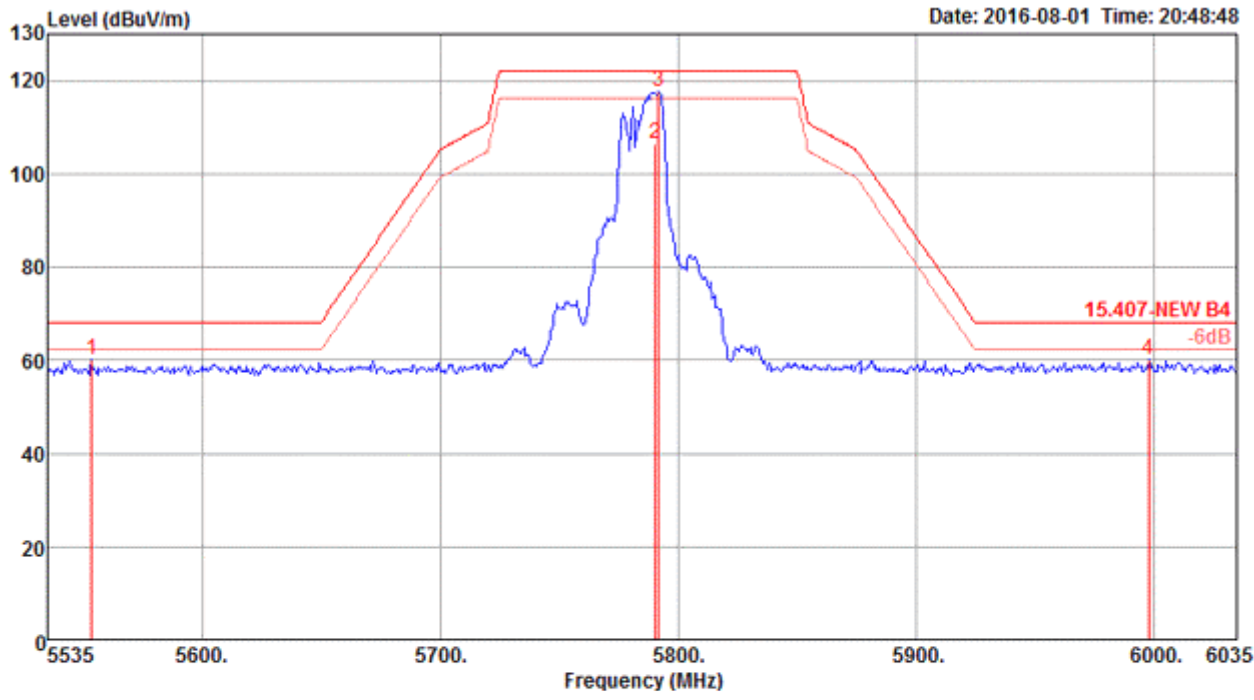
Channel 149



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	PoI/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5644.00	60.22	68.20	-7.98	52.00	6.80	34.39	32.97	197	60 Peak	VERTICAL
2	5739.39	106.56			98.20	6.90	34.45	32.99	197	60 Average	VERTICAL
3	5741.00	117.99			109.63	6.90	34.45	32.99	197	60 Peak	VERTICAL
4	5958.00	60.24	68.20	-7.96	51.73	6.99	34.57	33.05	197	60 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5745 MHz.

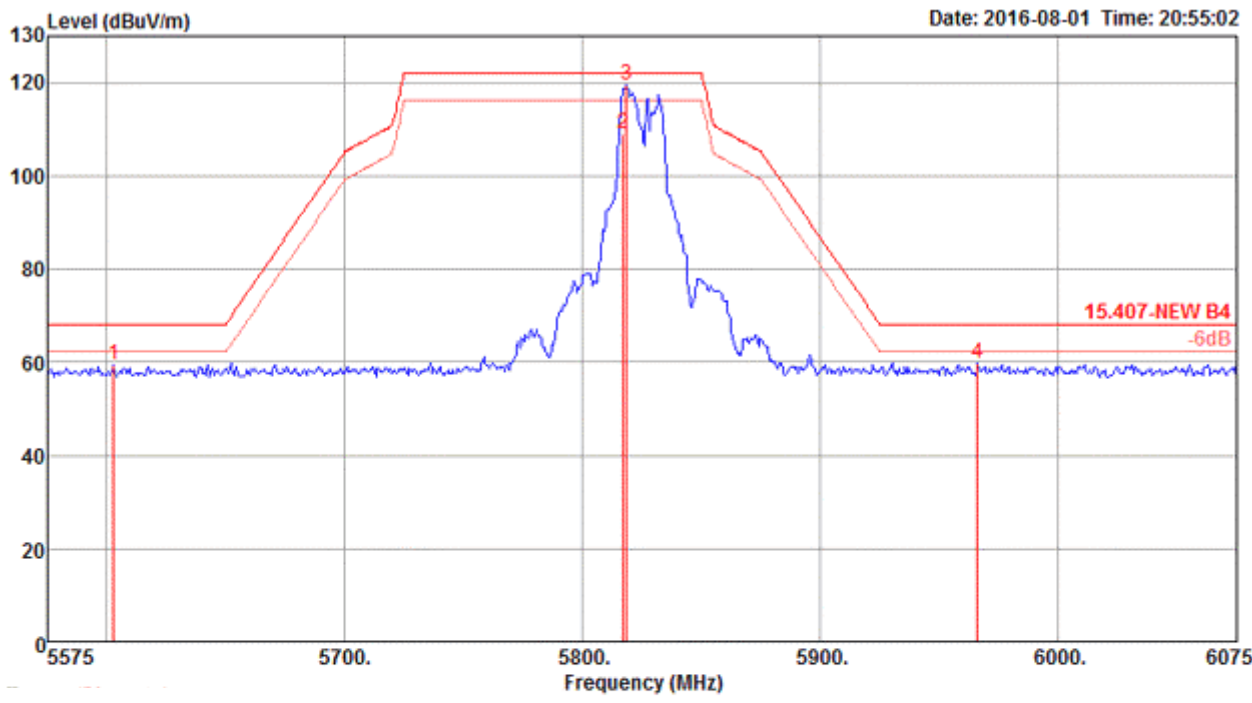
Channel 157



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5553.50	60.04	68.20	-8.16	51.92	6.73	34.33	32.94	197	140	Peak	VERTICAL
2	5790.61	106.35			97.93	6.95	34.48	33.01	197	140	Average	VERTICAL
3	5792.00	117.69			109.27	6.95	34.48	33.01	197	140	Peak	VERTICAL
4	5998.00	59.93	68.20	-8.27	51.39	7.00	34.60	33.06	197	140	Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5785 MHz.

Channel 165



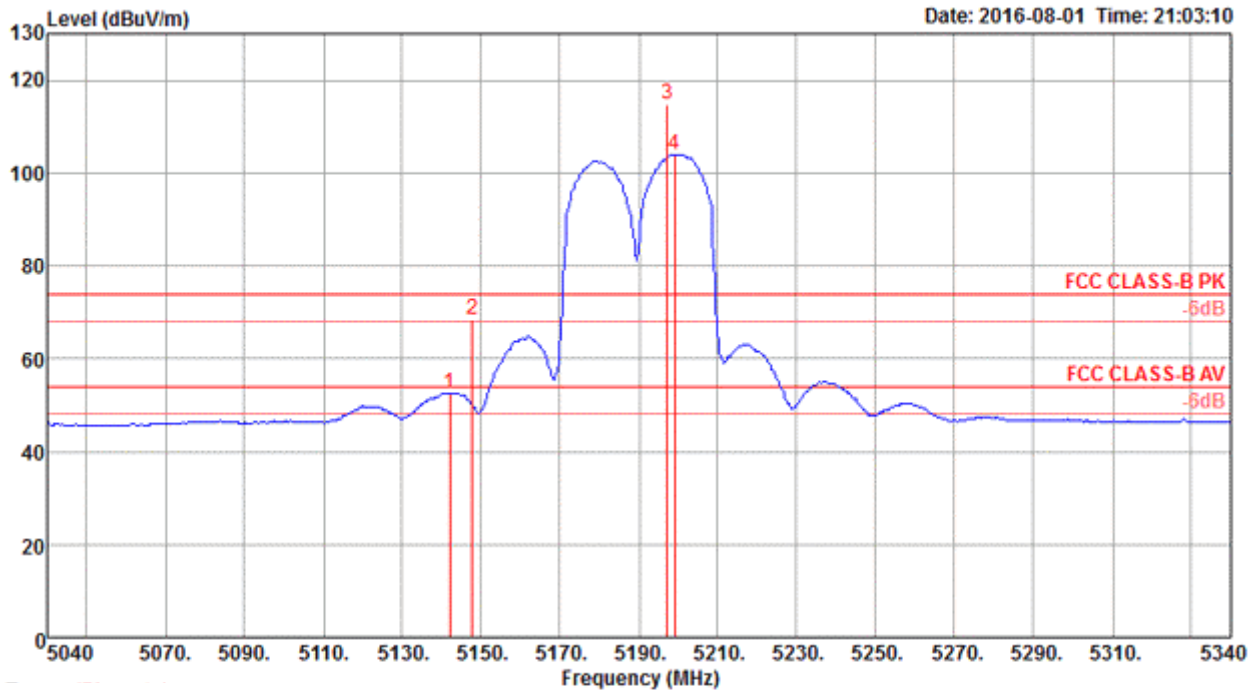
	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5603.00	59.35	68.20	-8.85	51.20	6.75	34.36	32.96	123	54 Peak	VERTICAL
2	5816.99	108.82			100.39	6.95	34.49	33.01	123	54 Average	VERTICAL
3	5818.50	119.57			111.14	6.95	34.49	33.01	123	54 Peak	VERTICAL
4	5966.00	59.62	68.20	-8.58	51.10	6.99	34.58	33.05	123	54 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5825 MHz.



<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 38, 46 / Chain 1 + Chain 2
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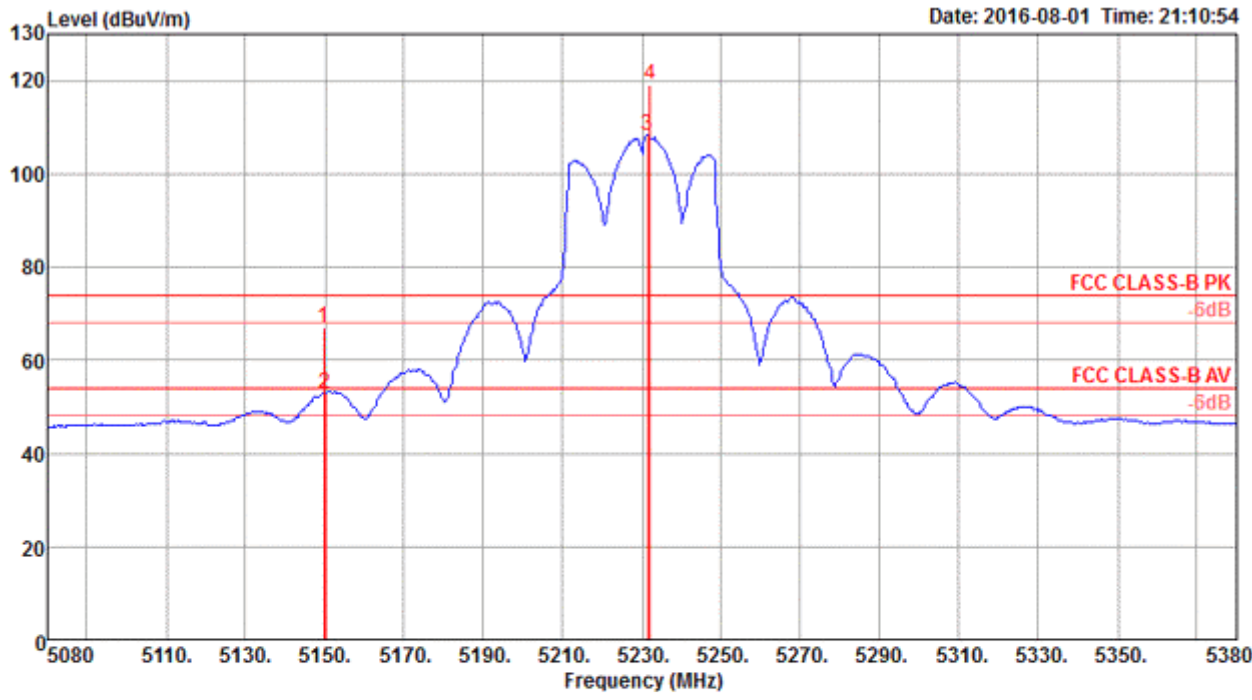
Channel 38



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5141.92	52.64	54.00	-1.36	45.38	6.44	33.74	32.92	145	1 Average	VERTICAL
2	5147.69	68.36	74.00	-5.64	61.10	6.44	33.74	32.92	145	1 Peak	VERTICAL
3	5197.21	114.92			107.54	6.48	33.82	32.92	145	1 Peak	VERTICAL
4	5199.14	104.06			96.68	6.48	33.82	32.92	145	1 Average	VERTICAL

Item 3, 4 are the fundamental frequency at 5190 MHz.

Channel 46



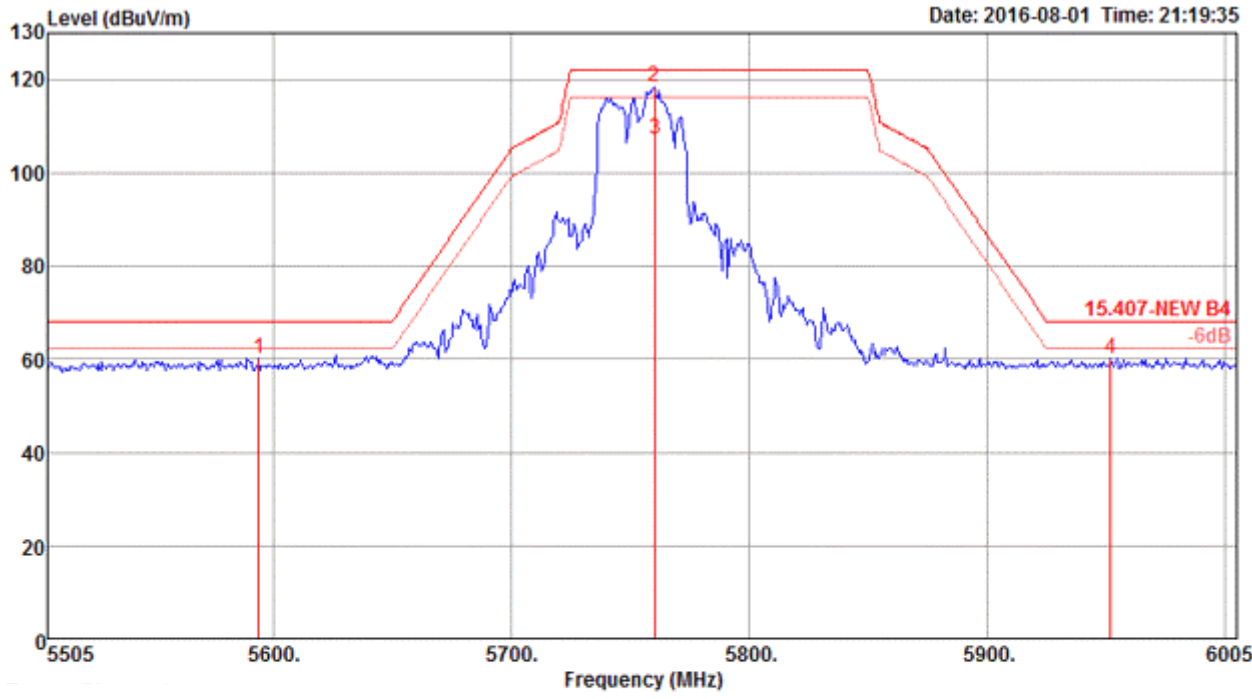
	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	5149.71	67.05	74.00	-6.95	59.79	6.44	33.74	32.92	121	184	Peak	VERTICAL
3	5231.44	108.15			100.70	6.51	33.86	32.92	121	184	Average	VERTICAL
4	5231.92	119.15			111.66	6.52	33.89	32.92	121	184	Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5230 MHz.



<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT40 CH 151, 159 / Chain 1 + Chain 2
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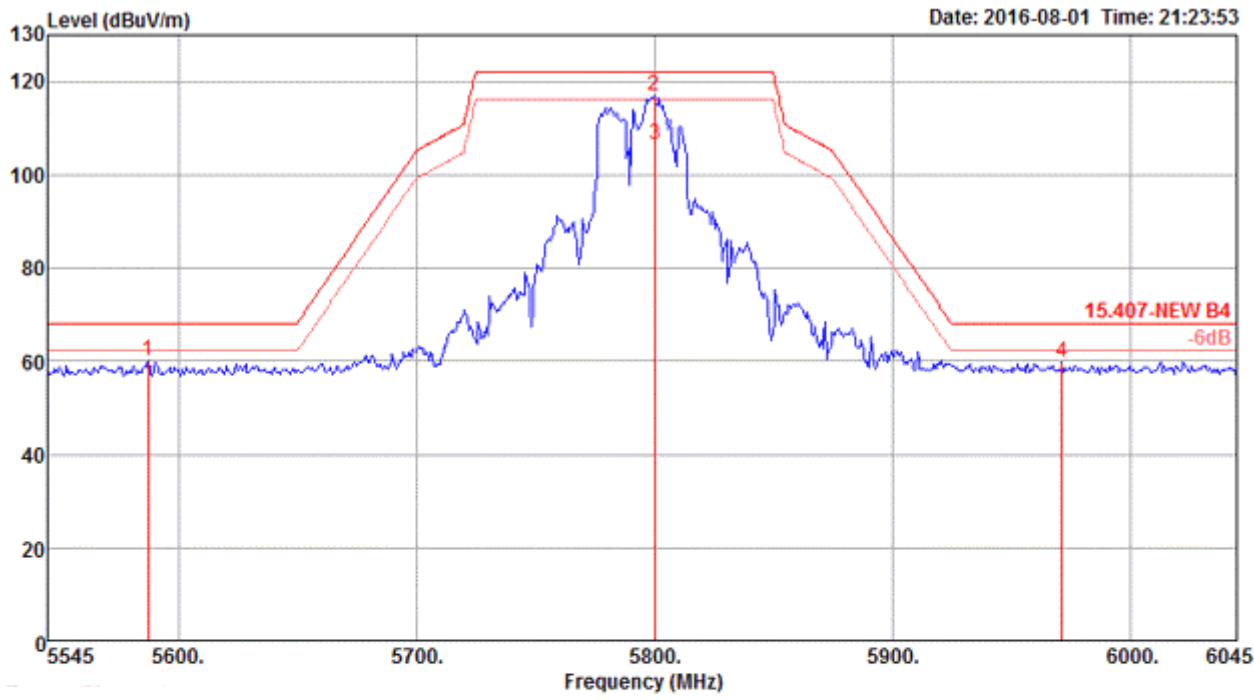
**Channel 151**



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5594.00	60.18	68.20	-8.02	52.02	6.75	34.36	32.95	116	7 Peak	VERTICAL
2	5760.00	118.35			109.97	6.92	34.46	33.00	116	7 Peak	VERTICAL
3	5760.61	107.18			98.80	6.92	34.46	33.00	116	7 Average	VERTICAL
4	5952.00	60.17	68.20	-8.03	51.66	6.99	34.57	33.05	116	7 Peak	VERTICAL

Item 2, 3 are the fundamental frequency at 5755 MHz.

Channel 159



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5587.50	60.00	68.20	-8.20	51.86	6.74	34.35	32.95	197	104 Peak	VERTICAL
2	5800.00	116.86			108.44	6.95	34.48	33.01	197	104 Peak	VERTICAL
3	5800.61	106.40			97.98	6.95	34.48	33.01	197	104 Average	VERTICAL
4	5971.50	59.88	68.20	-8.32	51.36	6.99	34.58	33.05	197	104 Peak	VERTICAL

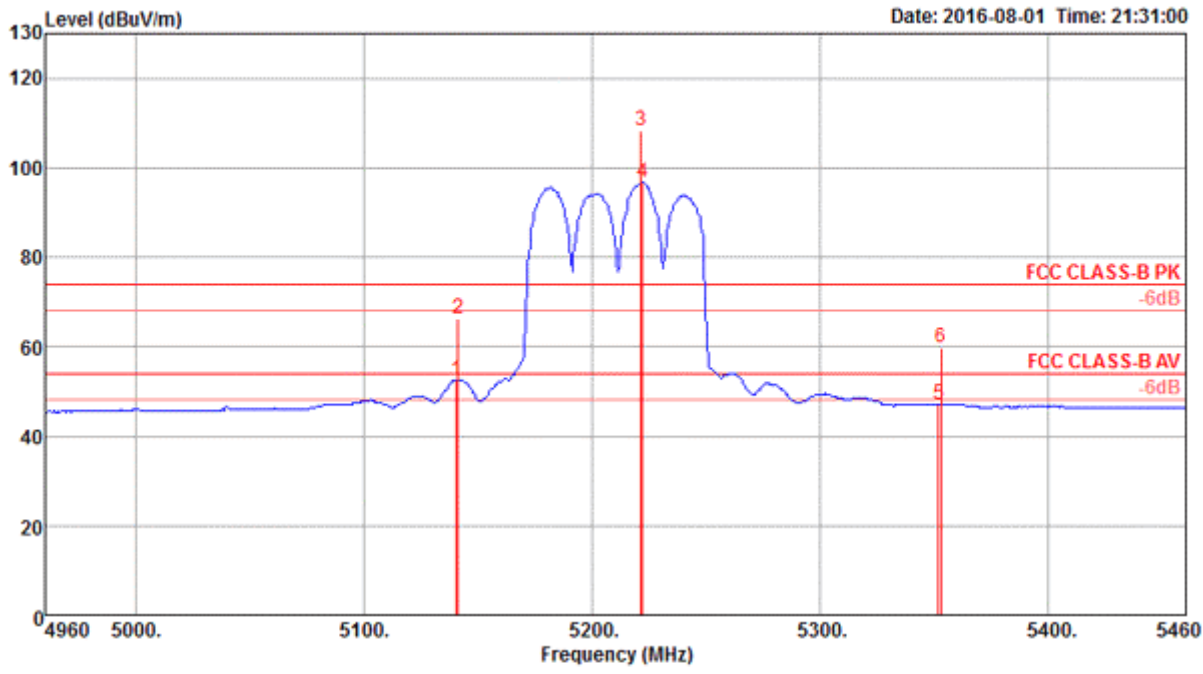
Item 2, 3 are the fundamental frequency at 5795 MHz.





<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 / Chain 1 + Chain 2
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Channel 42



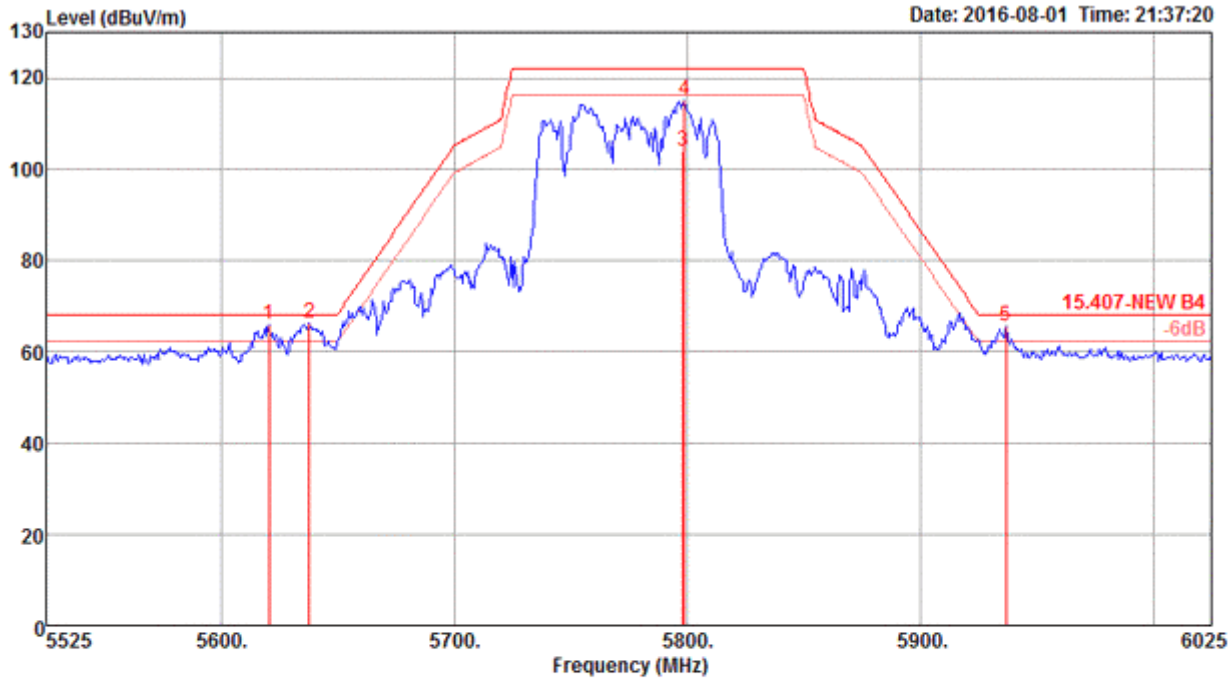
	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5140.29	52.54	54.00	-1.46	45.31	6.43	33.72	32.92	122	7 Average	VERTICAL
2	5141.09	66.26	74.00	-7.74	59.03	6.43	33.72	32.92	122	7 Peak	VERTICAL
3	5221.22	108.17			100.72	6.51	33.86	32.92	122	7 Peak	VERTICAL
4	5222.02	96.73			89.28	6.51	33.86	32.92	122	7 Average	VERTICAL
5	5351.83	47.06	54.00	-6.94	39.31	6.61	34.06	32.92	122	7 Average	VERTICAL
6	5352.63	59.88	74.00	-14.12	52.13	6.61	34.06	32.92	122	7 Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5210 MHz.



<b>Configurations</b>	IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 / Chain 1 + Chain 2
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Channel 155



	Freq	Level	Limit	Over	Read	CableAntenna	Preamp	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg	
1	5620.50	65.90	68.20	-2.30	57.72	6.77	34.37	32.96	126	7 Peak	VERTICAL
2	5638.00	66.36	68.20	-1.84	58.17	6.78	34.38	32.97	126	7 Peak	VERTICAL
3	5798.24	103.92			95.50	6.95	34.48	33.01	126	7 Average	VERTICAL
4	5799.00	114.99			106.57	6.95	34.48	33.01	126	7 Peak	VERTICAL
5	5937.00	65.43	68.20	-2.77	56.94	6.98	34.56	33.05	126	7 Peak	VERTICAL

Item 3, 4 are the fundamental frequency at 5775 MHz.

Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m)

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

Mode: 20 MHz / Chain 2

Voltage vs. Frequency Stability

Voltage (V)	Measurement Frequency (MHz)			
	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5199.9884	5199.9876	5199.9870	5199.9864
110.00	5199.9879	5199.9873	5199.9871	5199.9870
93.50	5199.9872	5199.9862	5199.9852	5199.9848
Max. Deviation (MHz)	0.0128	0.0138	0.0148	0.0152
Max. Deviation (ppm)	2.46	2.65	2.85	2.92
Result	Pass			

Temperature vs. Frequency Stability

Temperature (°C)	Measurement Frequency (MHz)			
	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5199.9925	5199.9917	5199.9914	5199.9911
-20	5199.9907	5199.9900	5199.9899	5199.9889
-10	5199.9897	5199.9894	5199.9884	5199.9881
0	5199.9892	5199.9887	5199.9885	5199.9881
10	5199.9887	5199.9881	5199.9875	5199.9865
20	5199.9879	5199.9878	5199.9868	5199.9859
30	5199.9877	5199.9873	5199.9872	5199.9868
40	5199.9861	5199.9853	5199.9845	5199.9838
50	5199.9849	5199.9843	5199.9838	5199.9833
Max. Deviation (MHz)	0.0151	0.0157	0.0162	0.0167
Max. Deviation (ppm)	2.90	3.02	3.12	3.21
Result	Pass			

Voltage vs. Frequency Stability

Voltage (V)	Measurement Frequency (MHz)			
	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5784.9884	5784.9878	5784.9871	5784.9864
110.00	5784.9879	5784.9873	5784.9872	5784.9862
93.50	5784.9877	5784.9873	5784.9868	5784.9861
Max. Deviation (MHz)	0.0123	0.0127	0.0132	0.0139
Max. Deviation (ppm)	2.13	2.20	2.28	2.40
Result	Pass			

Temperature vs. Frequency Stability

Temperature (°C)	Measurement Frequency (MHz)			
	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5784.9903	5784.9901	5784.9895	5784.9893
-20	5784.9897	5784.9893	5784.9888	5784.9878
-10	5784.9890	5784.9888	5784.9881	5784.9872
0	5784.9889	5784.9886	5784.9885	5784.9878
10	5784.9882	5784.9879	5784.9874	5784.9871
20	5784.9879	5784.9873	5784.9864	5784.9857
30	5784.9877	5784.9873	5784.9867	5784.9864
40	5784.9871	5784.9866	5784.9861	5784.9856
50	5784.9855	5784.9847	5784.9838	5784.9828
Max. Deviation (MHz)	0.0145	0.0153	0.0162	0.0172
Max. Deviation (ppm)	2.51	2.64	2.80	2.97
Result	Pass			

Mode: 40 MHz / Chain 2

Voltage vs. Frequency Stability

Voltage (V)	Measurement Frequency (MHz)			
	5190 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5189.9886	5189.9880	5189.9879	5189.9876
110.00	5189.9879	5189.9870	5189.9864	5189.9860
93.50	5189.9878	5189.9876	5189.9874	5189.9869
Max. Deviation (MHz)	0.0122	0.0130	0.0136	0.0140
Max. Deviation (ppm)	2.35	2.50	2.62	2.70
Result	Pass			

Temperature vs. Frequency Stability

Temperature (°C)	Measurement Frequency (MHz)			
	5190 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5189.9939	5189.9931	5189.9929	5189.9924
-20	5189.9931	5189.9921	5189.9918	5189.9914
-10	5189.9921	5189.9918	5189.9909	5189.9903
0	5189.9907	5189.9898	5189.9896	5189.9894
10	5189.9894	5189.9887	5189.9880	5189.9870
20	5189.9879	5189.9878	5189.9871	5189.9870
30	5189.9877	5189.9873	5189.9867	5189.9861
40	5189.9868	5189.9866	5189.9858	5189.9857
50	5189.9864	5189.9862	5189.9859	5189.9851
Max. Deviation (MHz)	0.0136	0.0138	0.0142	0.0149
Max. Deviation (ppm)	2.62	2.66	2.74	2.87
Result	Pass			

Voltage vs. Frequency Stability

Voltage (V)	Measurement Frequency (MHz)			
	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5754.9884	5754.9876	5754.9873	5754.9864
110.00	5754.9879	5754.9878	5754.9873	5754.9869
93.50	5754.9874	5754.9865	5754.9864	5754.9858
Max. Deviation (MHz)	0.0126	0.0135	0.0136	0.0142
Max. Deviation (ppm)	2.19	2.35	2.36	2.47
Result	Pass			

Temperature vs. Frequency Stability

Temperature (°C)	Measurement Frequency (MHz)			
	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5754.9927	5754.9924	5754.9915	5754.9912
-20	5754.9918	5754.9913	5754.9907	5754.9900
-10	5754.9917	5754.9908	5754.9904	5754.9900
0	5754.9903	5754.9901	5754.9895	5754.9889
10	5754.9883	5754.9880	5754.9876	5754.9869
20	5754.9879	5754.9878	5754.9868	5754.9863
30	5754.9877	5754.9875	5754.9869	5754.9862
40	5754.9869	5754.9865	5754.9857	5754.9848
50	5754.9860	5754.9854	5754.9851	5754.9843
Max. Deviation (MHz)	0.0140	0.0146	0.0149	0.0157
Max. Deviation (ppm)	2.43	2.54	2.59	2.73
Result	Pass			

Mode: 80 MHz / Chain 2

**Voltage vs. Frequency Stability**

Voltage	Measurement Frequency (MHz)			
	5210 MHz			
(V)	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5209.9887	5209.9881	5209.9875	5209.9866
110.00	5209.9879	5209.9877	5209.9872	5209.9868
93.50	5209.9871	5209.9865	5209.9859	5209.9850
Max. Deviation (MHz)	0.0129	0.0135	0.0141	0.0150
Max. Deviation (ppm)	2.48	2.59	2.71	2.88
Result	Pass			

**Temperature vs. Frequency Stability**

Temperature	Measurement Frequency (MHz)			
	5210 MHz			
(°C)	0 Minute	2 Minute	5 Minute	10 Minute
-30	5209.9922	5209.9913	5209.9908	5209.9901
-20	5209.9907	5209.9906	5209.9898	5209.9891
-10	5209.9904	5209.9902	5209.9899	5209.9889
0	5209.9900	5209.9891	5209.9886	5209.9879
10	5209.9896	5209.9886	5209.9876	5209.9868
20	5209.9879	5209.9873	5209.9870	5209.9860
30	5209.9877	5209.9869	5209.9859	5209.9855
40	5209.9859	5209.9849	5209.9839	5209.9835
50	5209.9854	5209.9845	5209.9837	5209.9828
Max. Deviation (MHz)	0.0146	0.0155	0.0163	0.0172
Max. Deviation (ppm)	2.80	2.98	3.13	3.30
Result	Pass			

**Voltage vs. Frequency Stability**

Voltage	Measurement Frequency (MHz)			
	5775 MHz			
(V)	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5774.9884	5774.9882	5774.9876	5774.9873
110.00	5774.9879	5774.9876	5774.9872	5774.9868
93.50	5774.9870	5774.9861	5774.9858	5774.9853
Max. Deviation (MHz)	0.0130	0.0139	0.0142	0.0147
Max. Deviation (ppm)	2.25	2.41	2.46	2.55
Result	Pass			

**Temperature vs. Frequency Stability**

Temperature	Measurement Frequency (MHz)			
	5775 MHz			
(°C)	0 Minute	2 Minute	5 Minute	10 Minute
-30	5774.9920	5774.9914	5774.9910	5774.9907
-20	5774.9912	5774.9910	5774.9909	5774.9907
-10	5774.9900	5774.9899	5774.9894	5774.9884
0	5774.9897	5774.9893	5774.9883	5774.9877
10	5774.9885	5774.9878	5774.9870	5774.9860
20	5774.9879	5774.9878	5774.9868	5774.9863
30	5774.9877	5774.9872	5774.9866	5774.9865
40	5774.9857	5774.9851	5774.9846	5774.9841
50	5774.9842	5774.9836	5774.9835	5774.9826
Max. Deviation (MHz)	0.0158	0.0164	0.0165	0.0174
Max. Deviation (ppm)	2.74	2.84	2.86	3.01
Result	Pass			

