



# FCC Test Report

**Equipment** : AC2600 Wi-Fi Range Extender/AC1900 Wi-Fi Range Extender  
**Brand Name** : TP-Link  
**Model No.** : RE650/RE500  
**FCC ID** : TE7RE650  
**Standard** : 47 CFR FCC Part 15.407  
**Operating Band** : 5150 MHz – 5250 MHz  
5725 MHz – 5850 MHz  
**Applicant** : TP-Link Technologies Co., Ltd.  
Building 24 (floors 1,3,4,5) and 28 (floors1-4) Central  
Science and Technology Park,Shennan Rd, Nanshan,  
Shenzhen,China  
**Manufacturer** : TP-Link Technologies Co., Ltd.  
Building 24 (floors 1,3,4,5) and 28 (floors1-4) Central  
Science and Technology Park,Shennan Rd, Nanshan,  
Shenzhen,China  
**Function** :  Outdoor;  Indoor;  Fixed P2P  
 Client

The product sample received on Nov. 07, 2016 and completely tested on Dec. 21, 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.

  
Cliff Chang  
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
FR6N0412AB	Rev. 01	Initial issue of report	Jan. 13, 2017



# 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	4
5.2G	HT20	20	4
5.2G	HT20,BF	20	4
5.2G	VHT20	20	4
5.2G	VHT20,BF	20	4
5.2G	HT40	40	4
5.2G	HT40,BF	40	4
5.2G	VHT40	40	4
5.2G	VHT40,BF	40	4
5.2G	VHT80	80	4
5.2G	VHT80,BF	80	4
5.8G	11a	20	4
5.8G	HT20	20	4
5.8G	HT20,BF	20	4
5.8G	VHT20	20	4
5.8G	VHT20,BF	20	4
5.8G	HT40	40	4
5.8G	HT40,BF	40	4
5.8G	VHT40	40	4
5.8G	VHT40,BF	40	4
5.8G	VHT80	80	4
5.8G	VHT80,BF	80	4

**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.
- ◆ BF is the beamforming function.

**1.1.2 Antenna Information**

Ant.	Brand	P/N	Antenna Type	Connector	Gain (dBi)		
					2.4GHz	5GHz Band 1	5GHz Band 4
1	TP-LINK	3101501019	Omni Antenna	I-PEX	1.45	1.99	1.92
2	TP-LINK	3101501018	Omni Antenna	I-PEX	1.47	1.79	1.79
3	TP-LINK	3101501019	Omni Antenna	I-PEX	1.45	1.99	1.92
4	TP-LINK	3101501018	Omni Antenna	I-PEX	1.47	1.79	1.79

Note: The EUT has four antennas. (4TX/4RX)

Ant. 1~Ant. 4 (P1~P4) could transmit/receive simultaneously.

**1.1.3 Mode Test Duty Cycle**

Mode	DC	T(s)	VBW(Hz) ≥ 1/T
11a	0.896	2.69m	1k
VHT20	0.88	2.513m	1k
VHT20,BF	0.965	116.875u	10k
VHT40	0.789	1.235m	1k
VHT40,BF	0.95	181.875u	10k
VHT80	0.648	595u	3k
VHT80,BF	0.937	115.625u	10k

**1.1.4 EUT Operational Condition**

<b>EUT Power Type</b>	Internal power supply			
<b>Beamforming Function</b>	<input checked="" type="checkbox"/>	With beamforming	<input type="checkbox"/>	Without beamforming
	The product has beamforming function for 802.11n/ac.			



### 1.1.5 Table for Multiple Listing

The EUT has two equipment name and two model numbers which are identical to each other in all aspects except for the following table:

Equipment Name	Model No.	Description
AC2600 Wi-Fi Range Extender	RE650	There is nothing different of two models, just for different marketing use.
AC1900 Wi-Fi Range Extender	RE500	

From the above models, model: RE650 was selected as representative model for the test and its data was recorded in this report.



### 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 v01r03
- ◆ FCC KDB 644545 D03 v01
- ◆ 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	Gino Huang / Eddie Weng	23°C / 58%	Dec. 20, 2016~Dec. 21, 2016
Radiated	03CH01-CB	Jay Luo	22°C / 54%	Nov. 17, 2016~Dec. 12, 2016
AC Conduction	CO01-CB	Kane Liu	23°C / 60%	Nov. 17, 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%
Output Power Measurement	1.33 dB	Confidence levels of 95%
Power Density Measurement	1.27 dB	Confidence levels of 95%
Bandwidth Measurement	$9.74 \times 10^{-8}$	Confidence levels of 95%
Frequency Stability	$6.06 \times 10^{-8}$	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	4	5180	L	19
5.2G	11a	20	1	4	5200	M	1A
5.2G	11a	20	1	4	5240	H	25
5.8G	11a	20	1	4	5745	L	25
5.8G	11a	20	1	4	5785	M	25
5.8G	11a	20	1	4	5825	H	25
5.2G	VHT20	20	1,(M0)	4	5180	L	16
5.2G	VHT20	20	1,(M0)	4	5200	M	1C
5.2G	VHT20	20	1,(M0)	4	5240	H	25
5.8G	VHT20	20	1,(M0)	4	5745	L	25
5.8G	VHT20	20	1,(M0)	4	5785	M	25
5.8G	VHT20	20	1,(M0)	4	5825	H	25
5.2G	VHT40	40	1,(M0)	4	5190	L	0F
5.2G	VHT40	40	1,(M0)	4	5230	H	19
5.8G	VHT40	40	1,(M0)	4	5755	L	25
5.8G	VHT40	40	1,(M0)	4	5795	H	25
5.2G	VHT80	80	1,(M0)	4	5210	S	0D
5.8G	VHT80	80	1,(M0)	4	5775	S	1A
5.2G	VHT20,BF	20	1,(M0)	4	5180	L	18
5.2G	VHT20,BF	20	1,(M0)	4	5200	M	63
5.2G	VHT20,BF	20	1,(M0)	4	5240	H	1E
5.8G	VHT20,BF	20	1,(M0)	4	5745	L	63
5.8G	VHT20,BF	20	1,(M0)	4	5785	M	63
5.8G	VHT20,BF	20	1,(M0)	4	5825	H	1E
5.2G	VHT40,BF	40	1,(M0)	4	5190	L	0E
5.2G	VHT40,BF	40	1,(M0)	4	5230	H	63
5.8G	VHT40,BF	40	1,(M0)	4	5755	L	63
5.8G	VHT40,BF	40	1,(M0)	4	5795	H	63
5.2G	VHT80,BF	80	1,(M0)	4	5210	S	13
5.8G	VHT80,BF	80	1,(M0)	4	5775	S	22

**Note:**

- ♦ Test range channel consist of L (Low Ch.), M (Middle Ch.), H (High Ch.), S (Single Ch.) and C (Straddle Band Ch.).
- ♦ BF is the beamforming function.
- ♦ There are two functions of EUT, one is beamforming function, and the other is non-beamforming function for 802.11n/ac. All test results were recorded in this report.

## 2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
<b>Tests Item</b>	AC power-line conducted emissions
<b>Condition</b>	AC power-line conducted measurement for line and neutral
<b>Operating Mode</b>	Normal Link
1	Repeater mode

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

The Worst Case Mode for Following Conformance Tests	
<b>Tests Item</b>	Unwanted Emissions
<b>Test Condition</b>	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
<b>Operating Mode &lt; 1GHz</b>	Normal Link
1	Repeater mode + EUT X axis
2	Repeater mode + EUT Y axis
3	Repeater mode + EUT Z axis
For operating mode 2 is the worst case and it was record in this test report.	
<b>Operating Mode &gt; 1GHz</b>	CTX
1	EUT X axis
2	EUT Y axis
3	EUT Z axis
Mode 3 has been evaluated to be the worst case after evaluating. Consequently, measurement will follow this same test mode.	



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	Normal Link
1	Repeater mode + EUT X axis (WLAN 2.4GHz + WLAN 5GHz)
2	Repeater mode + EUT Y axis (WLAN 2.4GHz + WLAN 5GHz)
3	Repeater mode + EUT Z axis (WLAN 2.4GHz + WLAN 5GHz)
For operating mode 2 is the worst case and it was record in this test report.	
Refer to Sporton Test Report No.: FA6N0412 for Co-location RF Exposure Evaluation and Appendix G for Radiated Emission Co-location.	

Note: There are two modes of EUT, one is AP mode, and the other is repeater mode.  
Only the most complex mode for repeater mode was performed for all the tests and recorded in this report.



## **2.3 EUT Operation during Test**

For CTX Mode:

For non-beamforming function:

The EUT was programmed to be in continuously transmitting mode.

For beamforming function:

For Conducted Mode:

The EUT was programmed to be in continuously transmitting mode.

For Radiated Mode:

During the test, the following programs under WIN XP were executed.

The program was executed as follows:

1. During the test, the EUT operation to normal function.
2. Executed command fixed test channel under QATool\_Dbg, Telnet.
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by Rx Device and transmit duty cycle no less 98%.

For Normal Link:

During the test, the EUT operation to normal function.



## 2.4 Accessories

N/A

## 2.5 Support Equipment

For Test Site No: CO01-CB

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB*3	DELL	E6430	DoC
2	AP Router	Planex	GW-AP54SGX	KA220030603014-1

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

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB	DELL	E4300	DoC
2	NB*2	Apple	Mac Book	DoC
3	WLAN AP	D-LINK	DIR860L	KA21R860LA1

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

For non-beamforming function:

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

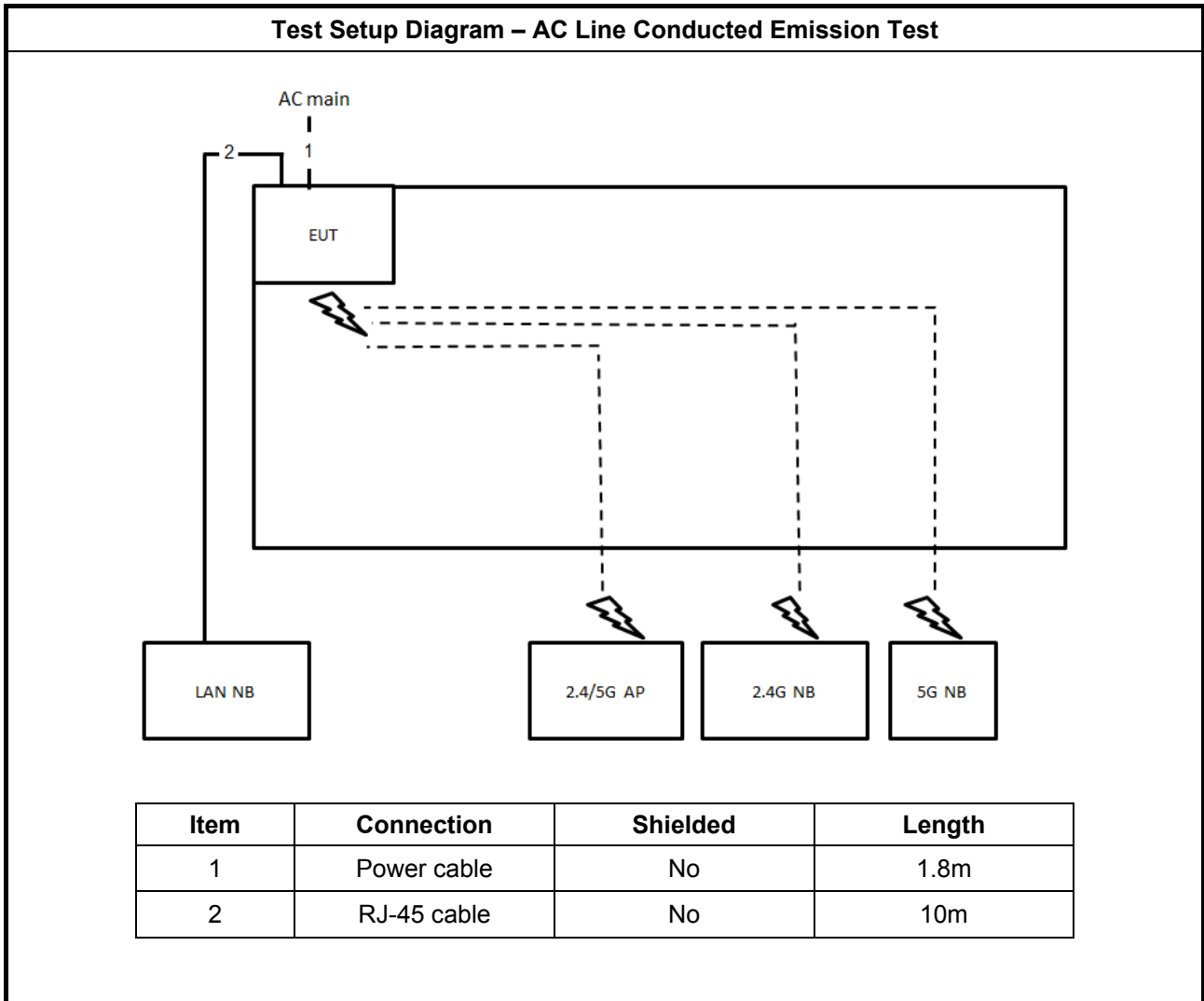
For beamforming function:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB*2	DELL	E4300	DoC
2	AC2600 Wi-Fi Range Extender (Rx Device)	TP-Link	RE650	TE7RE650

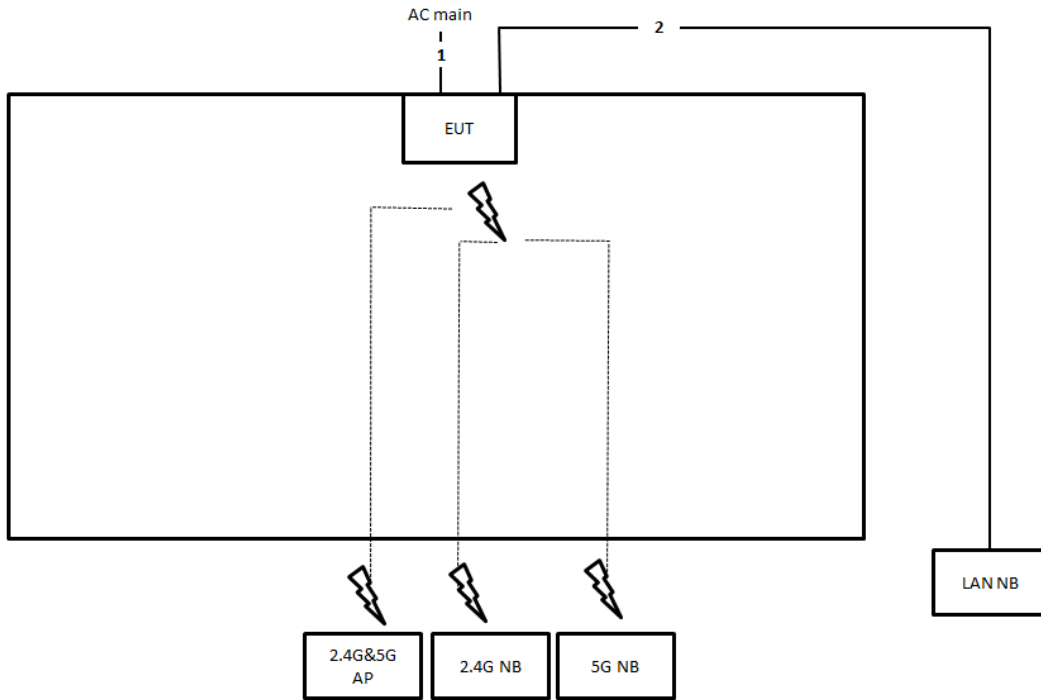
For Test Site No: TH01-CB

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

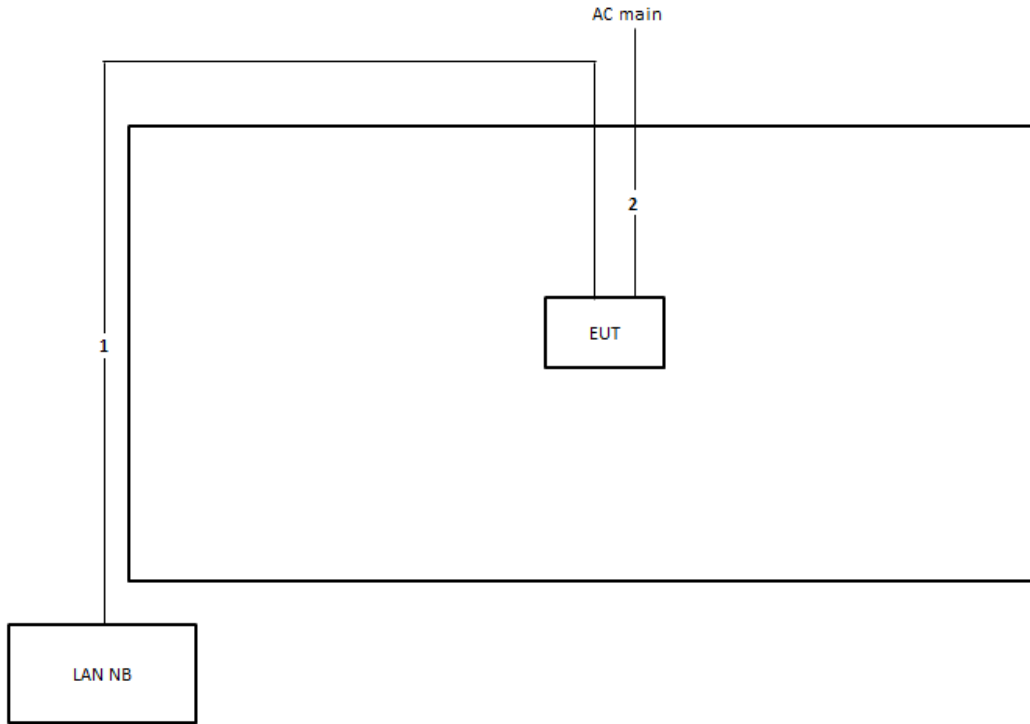


Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable	No	10m



**Test Setup Diagram - Radiated Test > 1GHz**

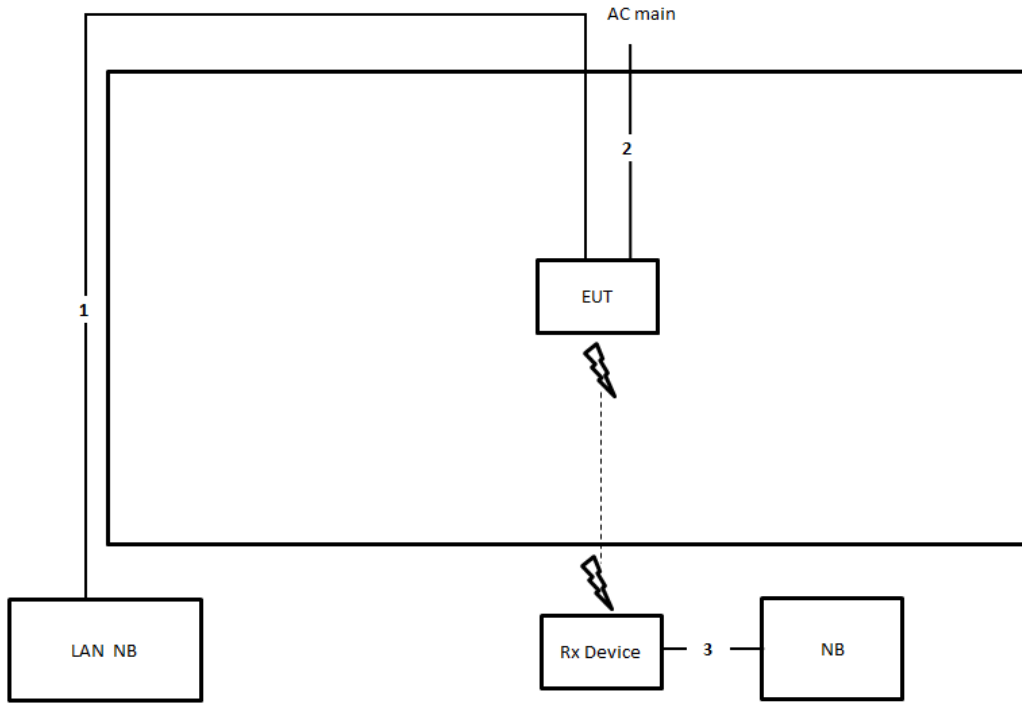
For non-beamforming function:



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

Test Setup Diagram - Radiated Test > 1GHz

For beamforming function:



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

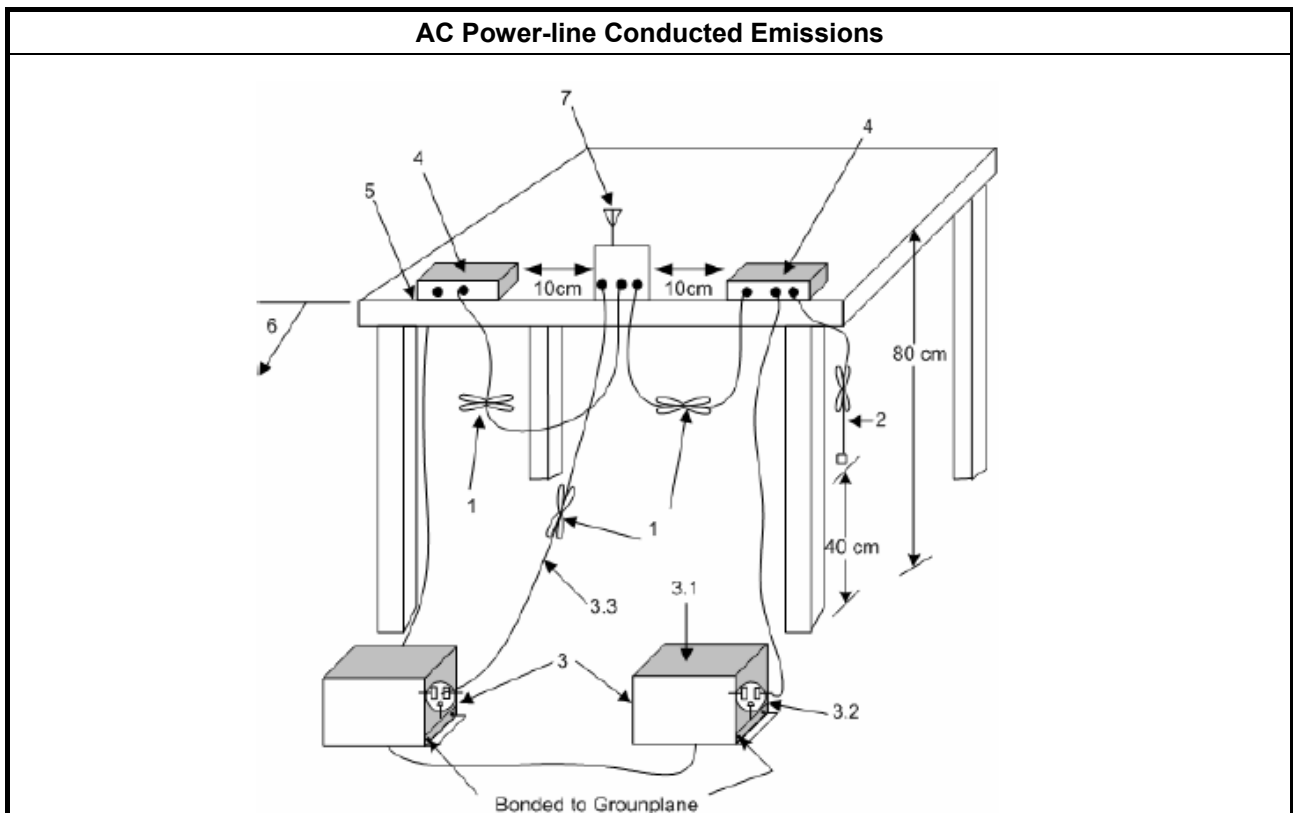
##### 3.1.2 Measuring Instruments

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.

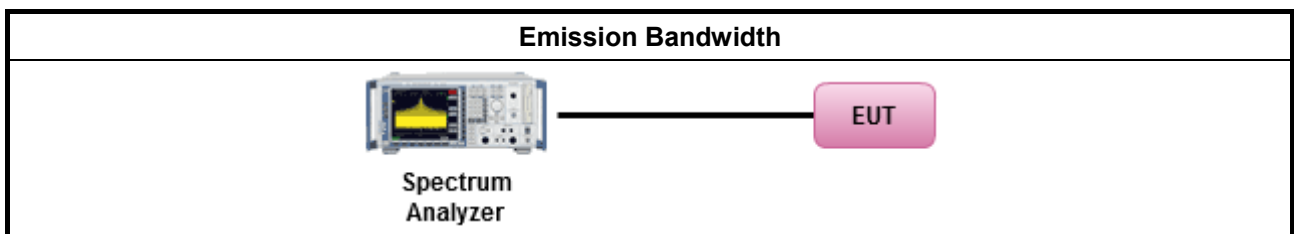
#### 3.2.2 Measuring Instruments

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, 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 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 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><math>P_{Out}</math> = maximum conducted output power in dBm,  <math>G_{TX}</math> = the maximum transmitting antenna directional gain in dBi.</p>	

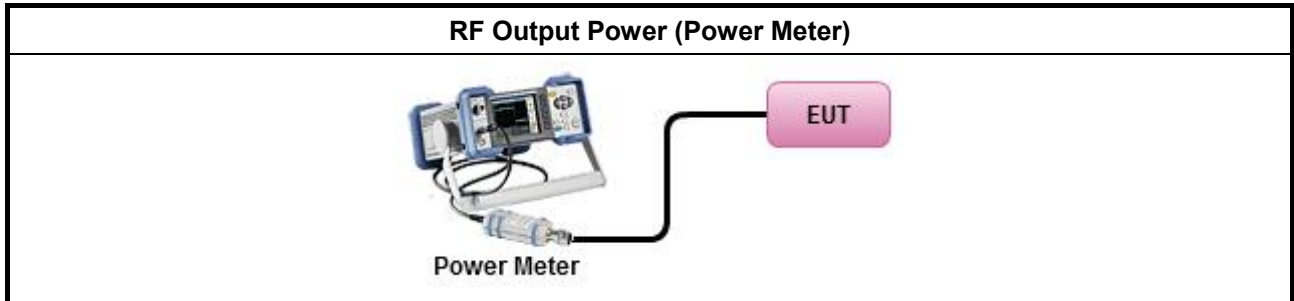
### 3.3.2 Measuring Instruments

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>	
Average over on/off periods with duty factor	
<input type="checkbox"/>	Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).
<input type="checkbox"/>	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	
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033, 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>P_{total} = P_1 + P_2 + \dots + P_n</math>                      (calculated in linear unit [mW] and transfer to log unit [dBm])  <math>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 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><math>G_{TX}</math></b> = the maximum transmitting antenna directional gain in dBi.</p>	

#### 3.4.2 Measuring Instruments

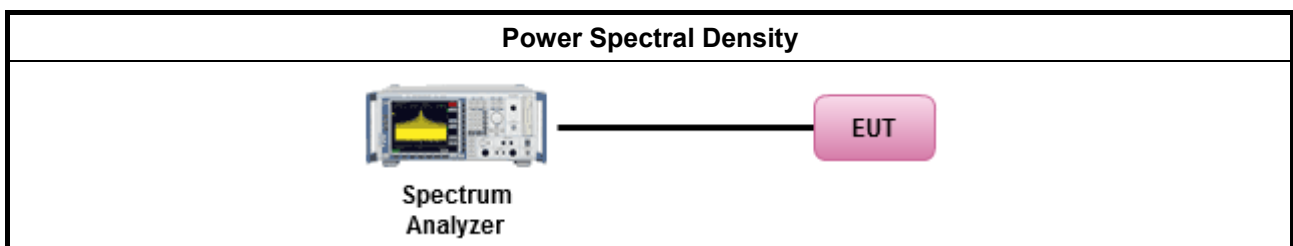
Refer a test equipment and calibration data table in this test report.



### 3.4.3 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, 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, clause E Method SA-1 (spectral trace averaging).
<input type="checkbox"/>	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	
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).
<input type="checkbox"/>	Refer as FCC KDB 789033, 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>	

### 3.4.4 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).



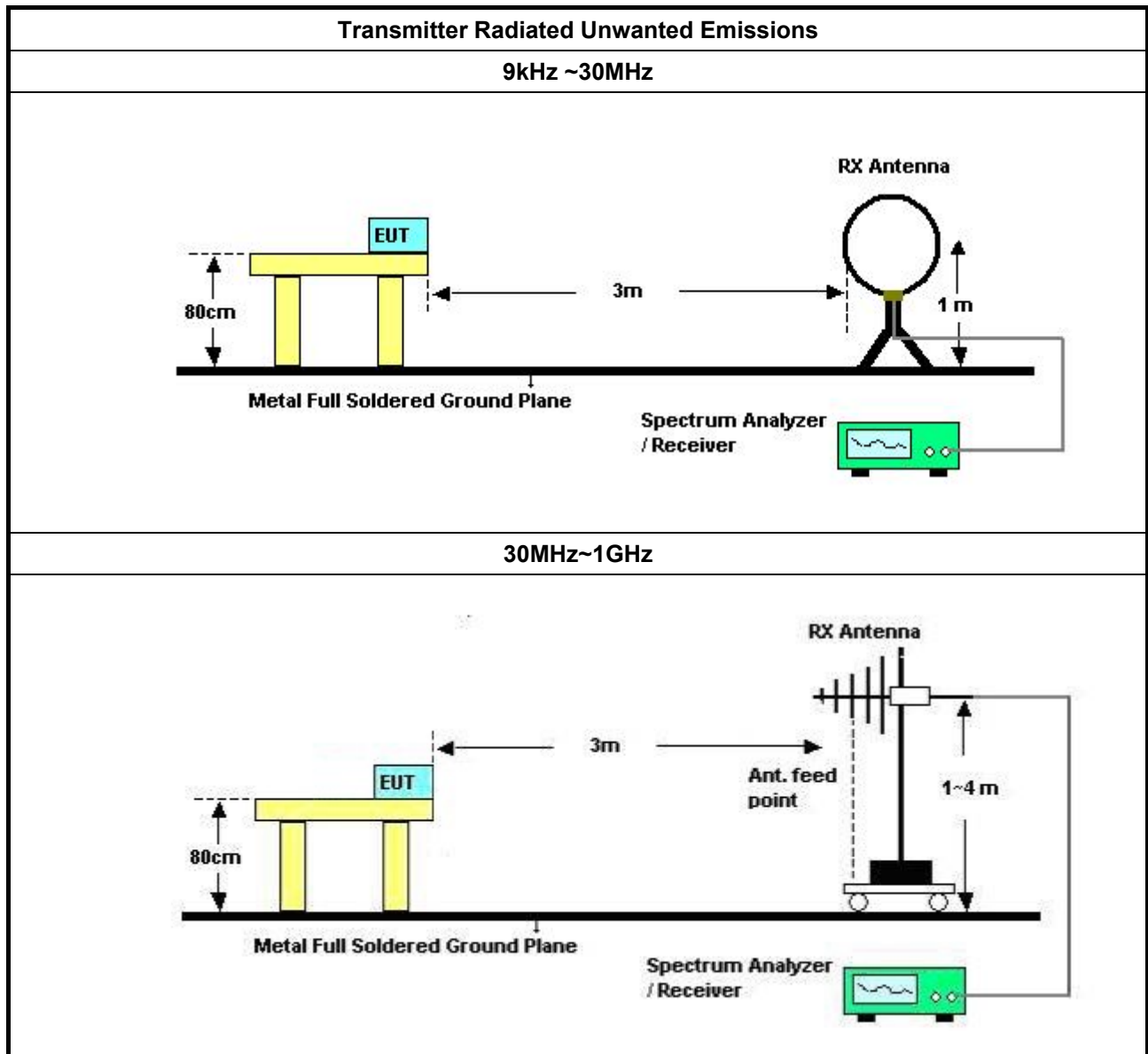
### 3.5.2 Measuring Instruments

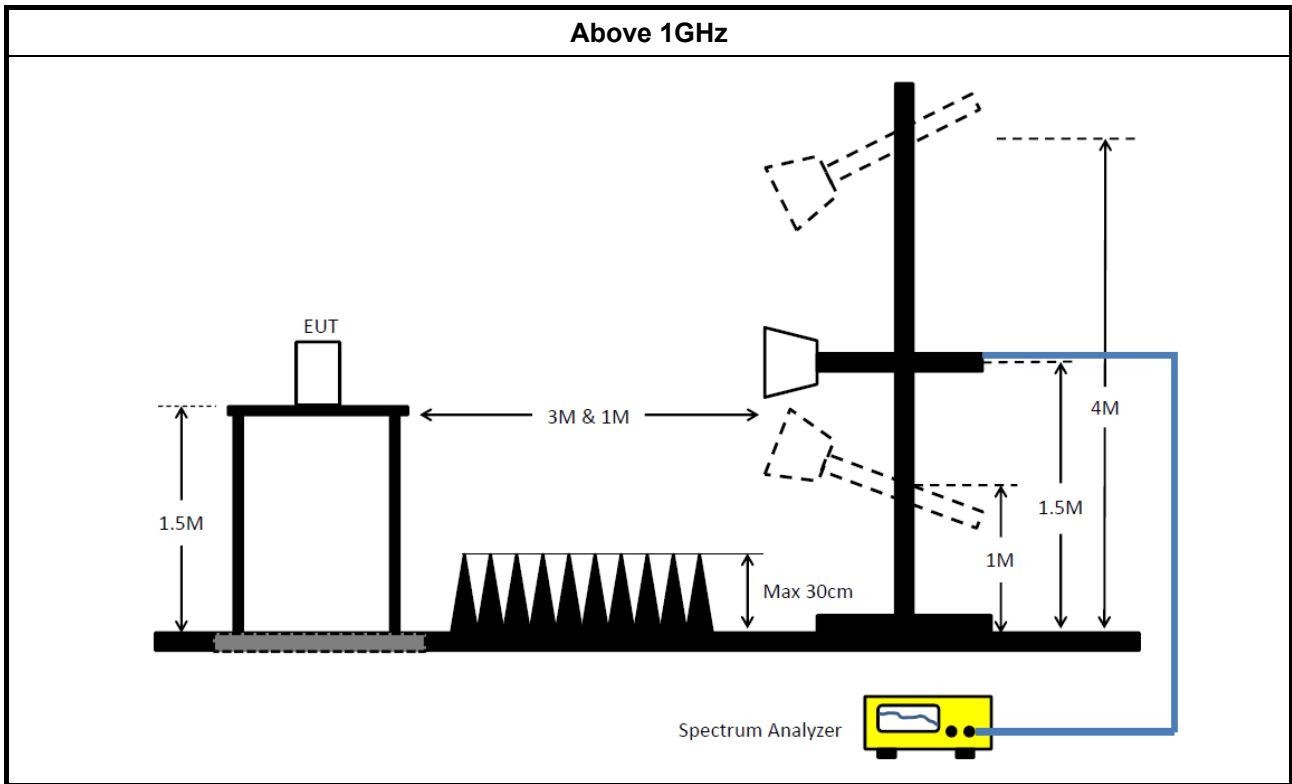
Refer a test equipment and calibration data table in this test report.

### 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:               <ul style="list-style-type: none"> <li>▪ Refer as FCC KDB 789033, clause H)2) for unwanted emissions into non-restricted bands.</li> <li>▪ Refer as FCC KDB 789033, clause H)1) for unwanted emissions into restricted bands.                   <ul style="list-style-type: none"> <li><input type="checkbox"/> Refer as FCC KDB 789033, H)6) Method AD (Trace Averaging).</li> <li><input checked="" type="checkbox"/> Refer as FCC KDB 789033, H)6) Method VB (Reduced VBW).</li> <li><input type="checkbox"/> Refer as ANSI C63.10, clause 4.2.3.2.3 (Reduced VBW). VBW <math>\geq</math> 1/T, where T is pulse time.</li> <li><input type="checkbox"/> Refer as ANSI C63.10, clause 4.2.3.2.4 average value of pulsed emissions.</li> <li><input checked="" type="checkbox"/> Refer as FCC KDB 789033, clause H)5) measurement procedure peak limit.</li> <li><input type="checkbox"/> Refer as ANSI C63.10, clause 4.2.3.2.2 measurement procedure peak limit.</li> </ul> </li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>▪ For radiated measurement.               <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> <li>▪ Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.</li> <li>▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.</li> </ul> </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





### 3.5.5 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.

### 3.5.6 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>

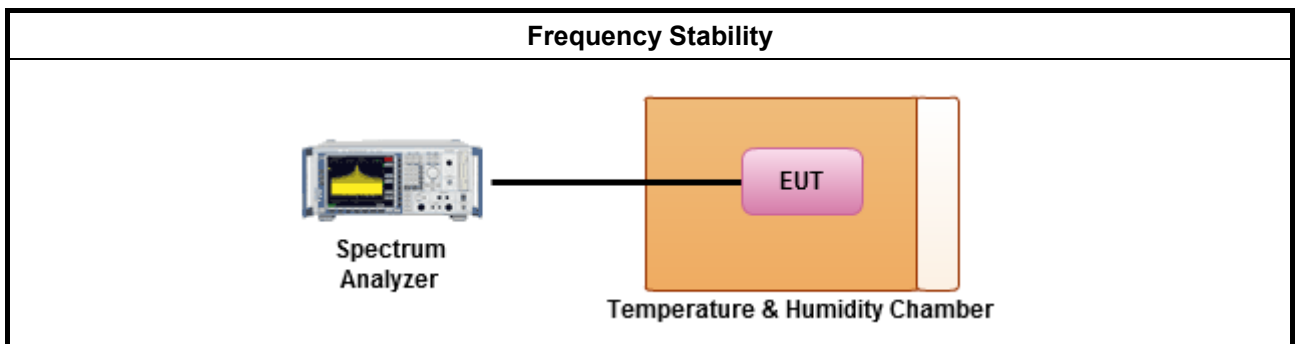
#### 3.6.2 Measuring Instruments

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 0°C~40°C.</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 with 6dB Attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37880 & AT-N0609	20MHz ~ 2GHz	Aug. 30, 2016	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Nov. 10, 2016	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	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jun. 28, 2016	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP-40	100019	9kHz ~ 40GHz	Apr. 21, 2016	Radiation (03CH01-CB)
EMI Test	R&S	ESCS	100355	9kHz ~ 2.75GHz	May 16, 2016	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-16+17	N/A	30 MHz ~ 1 GHz	Oct. 24, 2016	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Oct. 24, 2016	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16+17	N/A	1 GHz ~ 18 GHz	Oct. 24, 2016	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#1	N/A	18GHz ~ 40 GHz	Oct. 24, 2016	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#2	N/A	18GHz ~ 40 GHz	Oct. 24, 2016	Radiation (03CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 16, 2016*	Radiation (03CH01-CB)
Test Software	Audix	E3	6.2009-10-7	N/A	N/A	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	101027	9kHz~40GHz	Jul. 26, 2016	Conducted (TH01-CB)
Temp. and Humidity Chamber	Ten Billion	TTH-D3SP	TBN-931011	-30~100 degree	Jun. 03, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-6	1 GHz – 26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-7	1 GHz –26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)





Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
RF Cable-high	Woken	RG402	High Cable-8	1 GHz ~26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-9	1 GHz ~26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz ~26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 22, 2016	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.

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	Pol/Phase	Remark	
MHz	dBuV	dB	dBuV	dBuV	dB	dB			
1	0.1712	38.94	-15.96	54.90	28.75	10.02	0.17	NEUTRAL	Average
2	0.1712	50.63	-14.27	64.90	40.44	10.02	0.17	NEUTRAL	QP
3	0.2007	40.58	-13.00	53.58	30.47	9.92	0.19	NEUTRAL	Average
4	0.2007	52.33	-11.25	63.58	42.22	9.92	0.19	NEUTRAL	QP
5	0.2353	35.26	-17.00	52.26	25.19	9.92	0.15	NEUTRAL	Average
6	0.2353	46.83	-15.43	62.26	36.76	9.92	0.15	NEUTRAL	QP
7	0.3003	35.76	-14.48	50.24	25.75	9.92	0.09	NEUTRAL	Average
8	0.3003	44.45	-15.79	60.24	34.44	9.92	0.09	NEUTRAL	QP
9	0.6508	33.32	-12.68	46.00	22.99	9.93	0.40	NEUTRAL	Average
10	0.6508	40.20	-15.80	56.00	29.87	9.93	0.40	NEUTRAL	QP
11	0.7010	27.25	-18.75	46.00	16.86	9.93	0.46	NEUTRAL	Average
12	0.7010	34.16	-21.84	56.00	23.77	9.93	0.46	NEUTRAL	QP

Note 1: ">20dB" means emission levels that exceeded 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	Pol/Phase	Remark	
MHz	dBuV	dB	dBuV	dBuV	dB	dB			
1	0.1677	40.50	-14.58	55.08	30.31	10.02	0.17	LINE	Average
2	0.1677	46.28	-18.80	65.08	36.09	10.02	0.17	LINE	QP
3	0.1806	39.63	-14.83	54.46	29.53	9.92	0.18	LINE	Average
4	0.1806	51.01	-13.45	64.46	40.91	9.92	0.18	LINE	QP
5	0.2007	40.33	-13.25	53.58	30.22	9.92	0.19	LINE	Average
6	0.2007	52.12	-11.46	63.58	42.01	9.92	0.19	LINE	QP
7	0.2304	35.70	-16.74	52.44	25.63	9.92	0.15	LINE	Average
8	0.2304	45.59	-16.85	62.44	35.52	9.92	0.15	LINE	QP
9	0.3035	35.72	-14.43	50.15	25.72	9.92	0.08	LINE	Average
10	0.3035	44.75	-15.40	60.15	34.75	9.92	0.08	LINE	QP
11	0.6578	30.00	-16.00	46.00	19.67	9.93	0.40	LINE	Average
12	0.6578	37.51	-18.49	56.00	27.18	9.93	0.40	LINE	QP

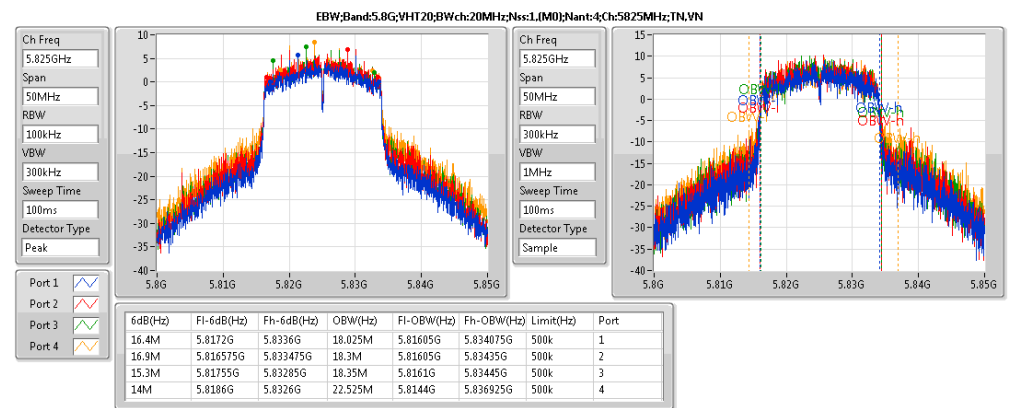
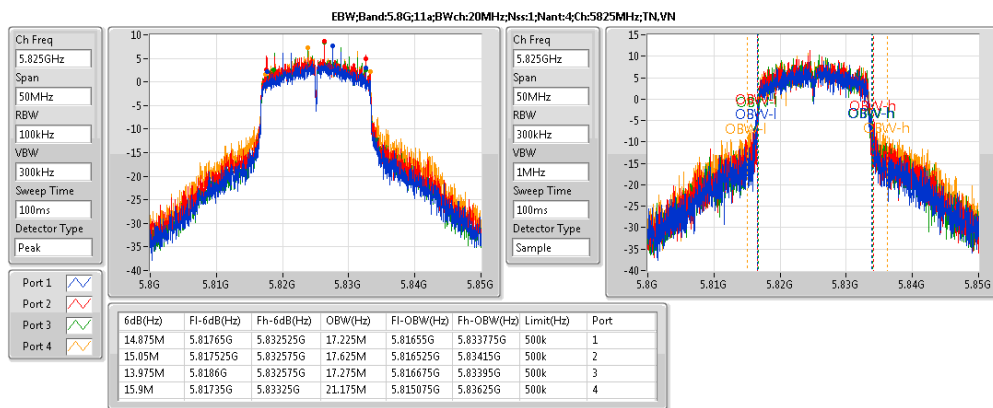
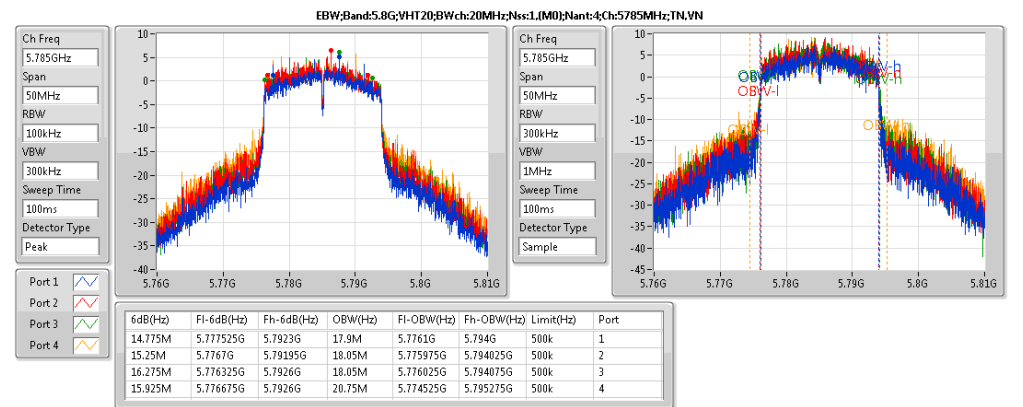
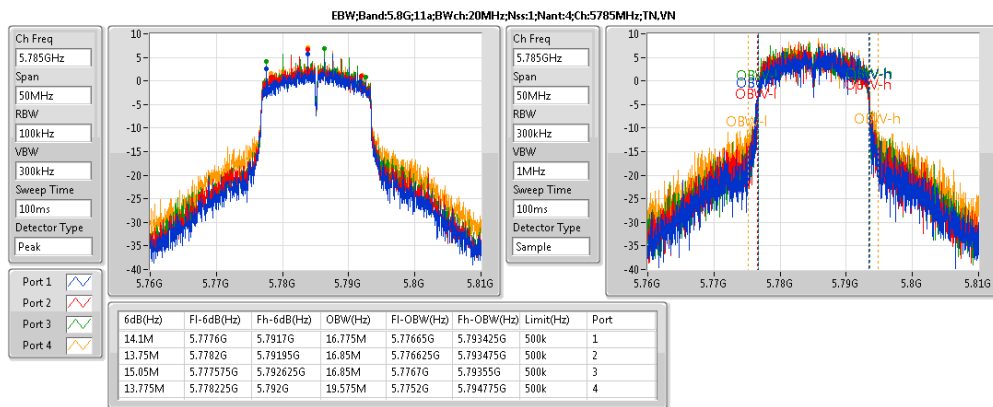
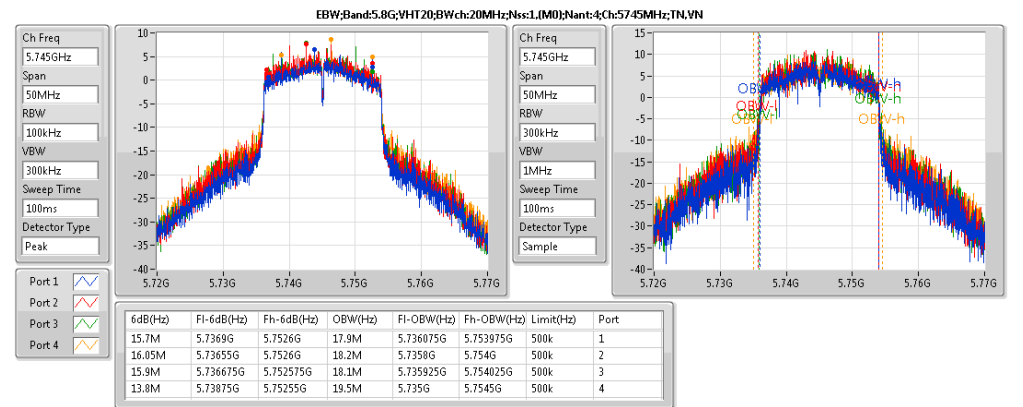
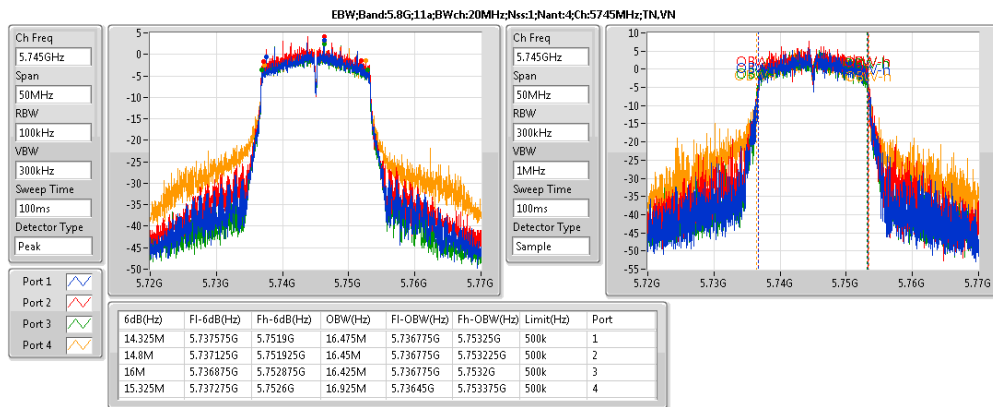
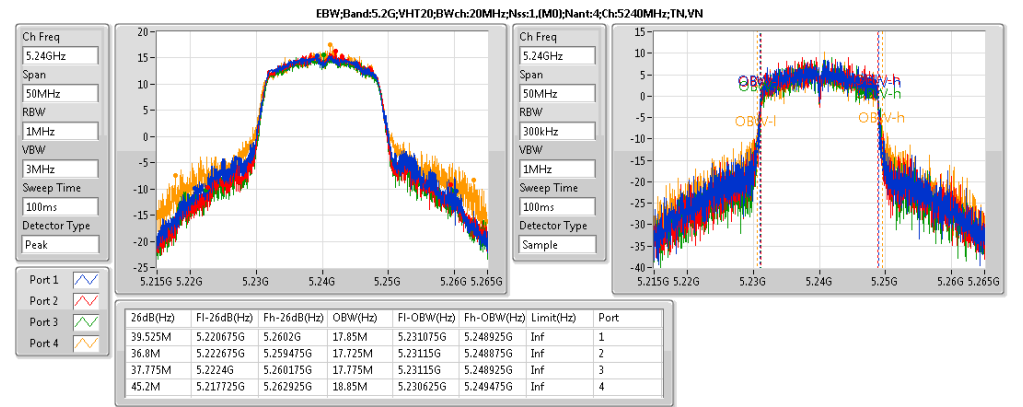
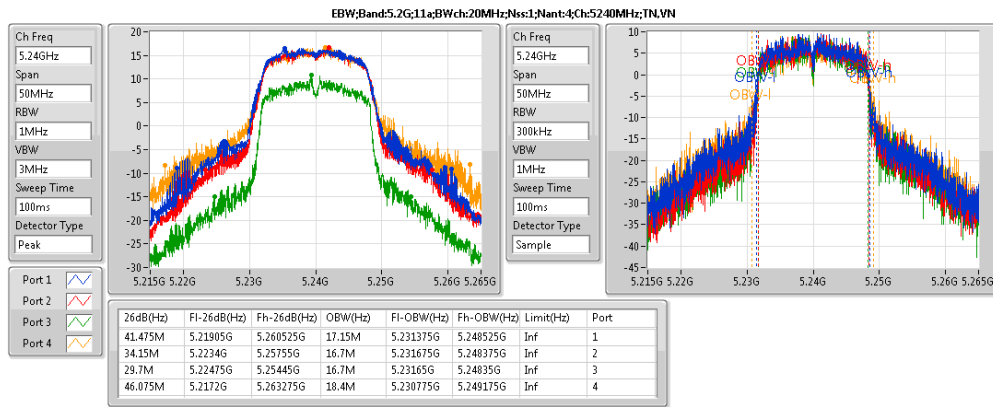
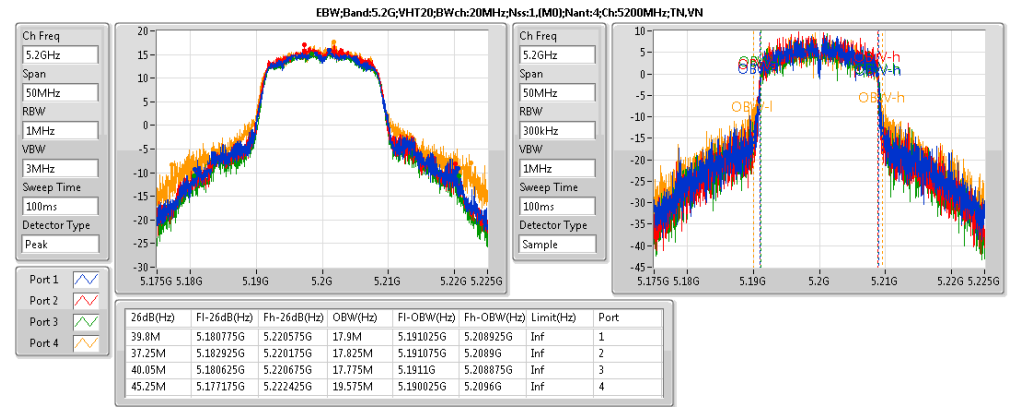
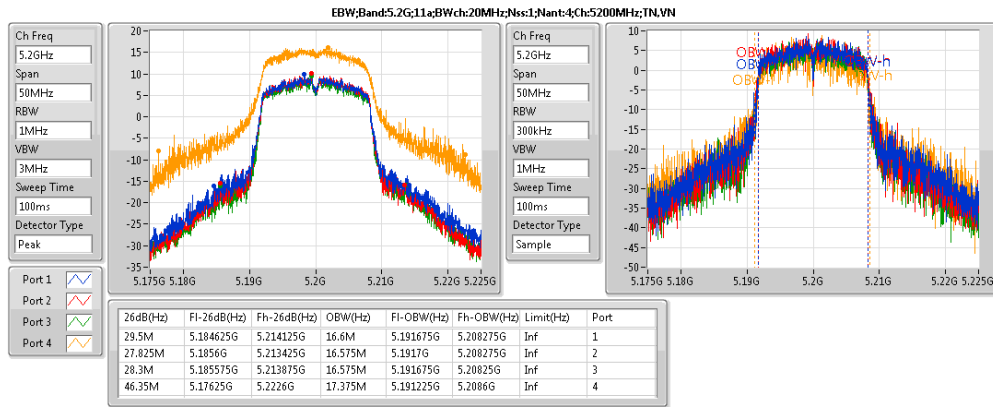
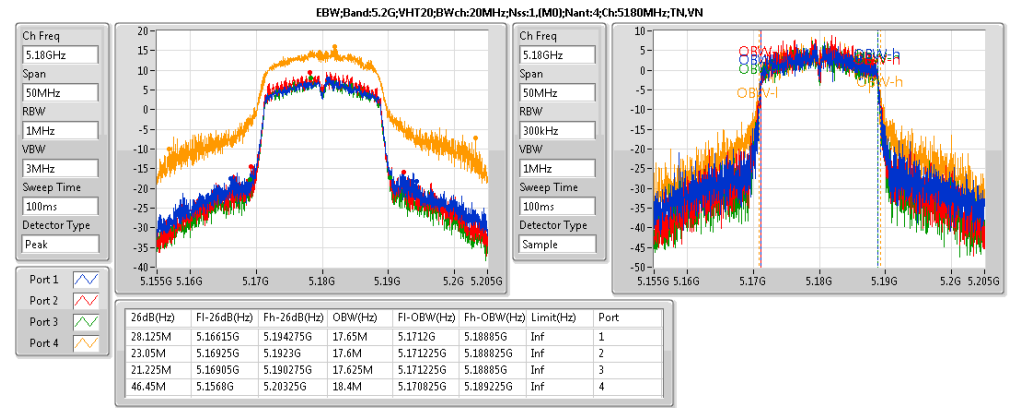
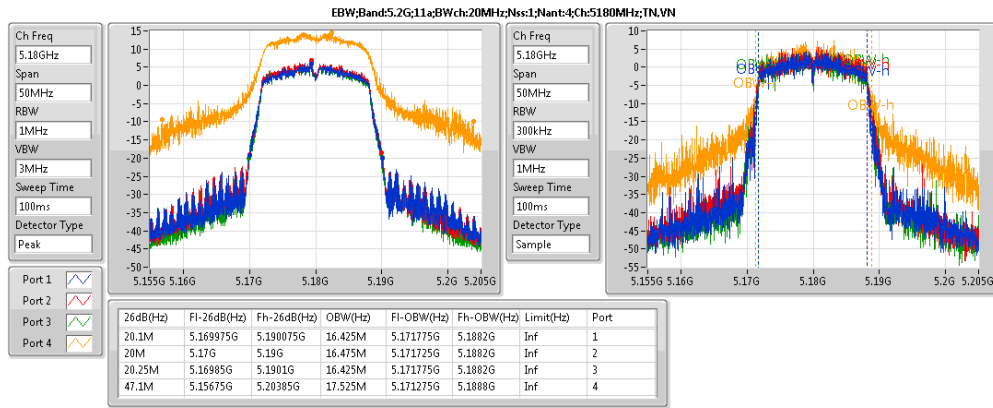
Note 1: ">20dB" means emission levels that exceeded the level of 20 dB below the applicable limit.  
 Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

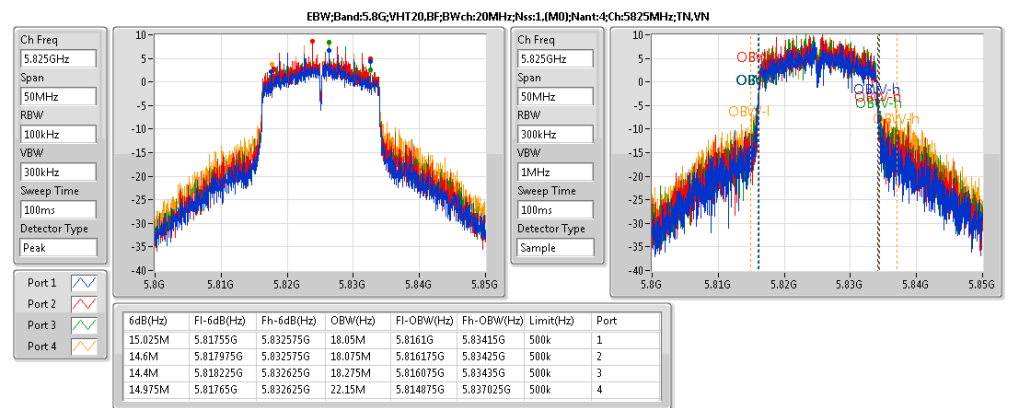
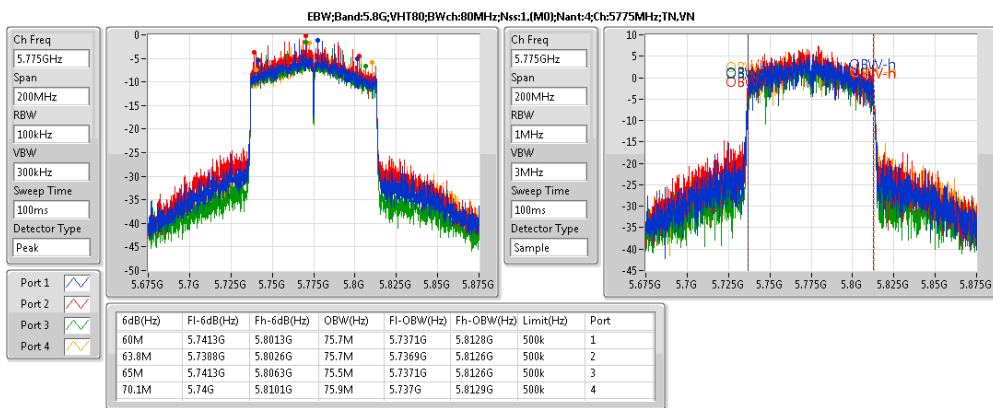
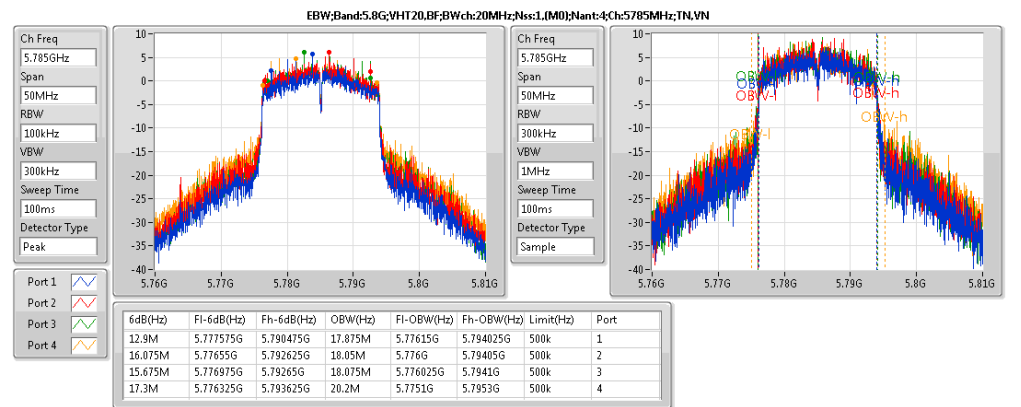
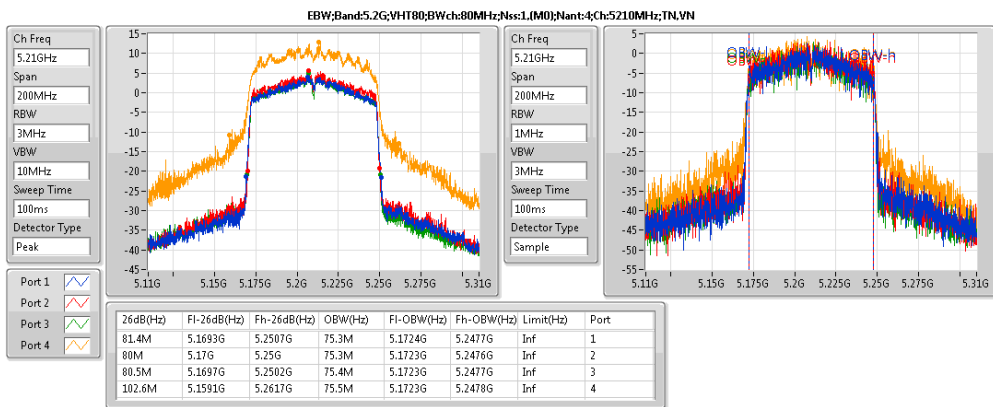
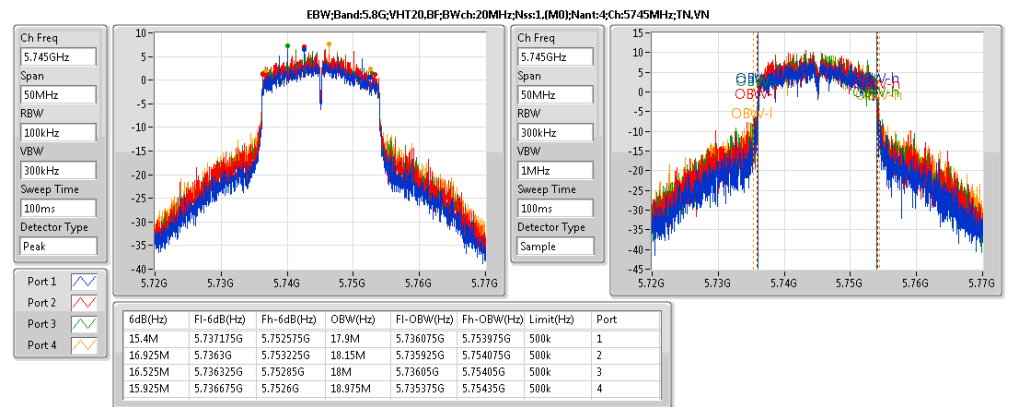
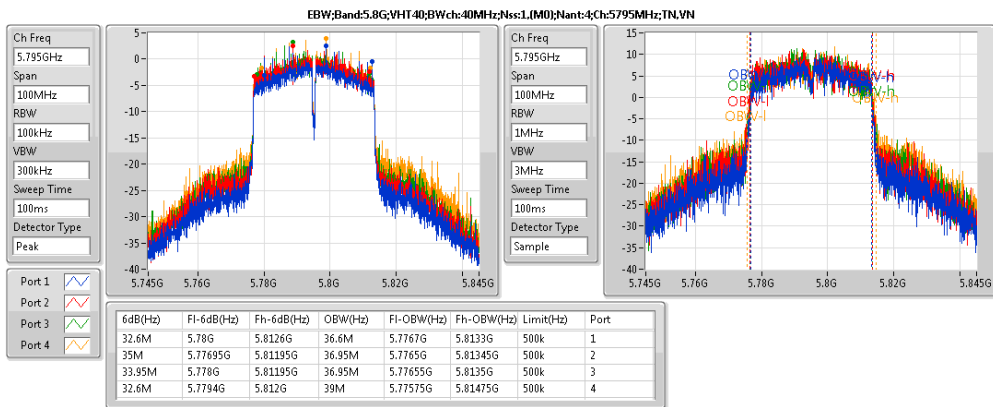
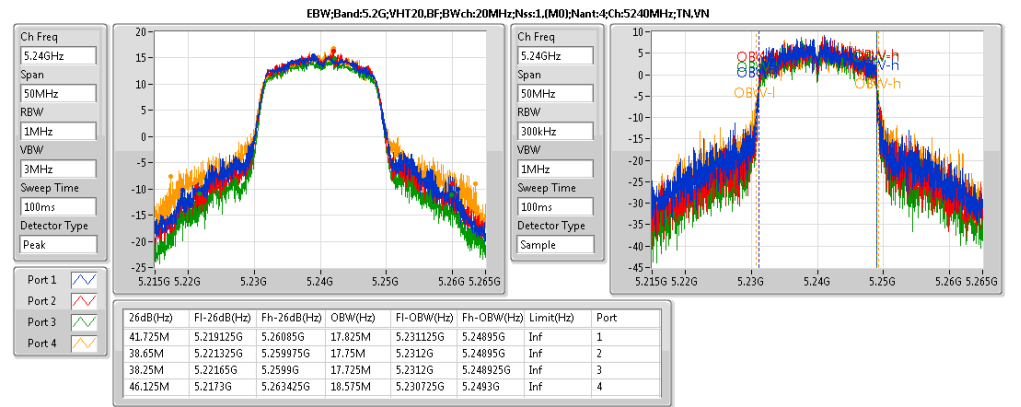
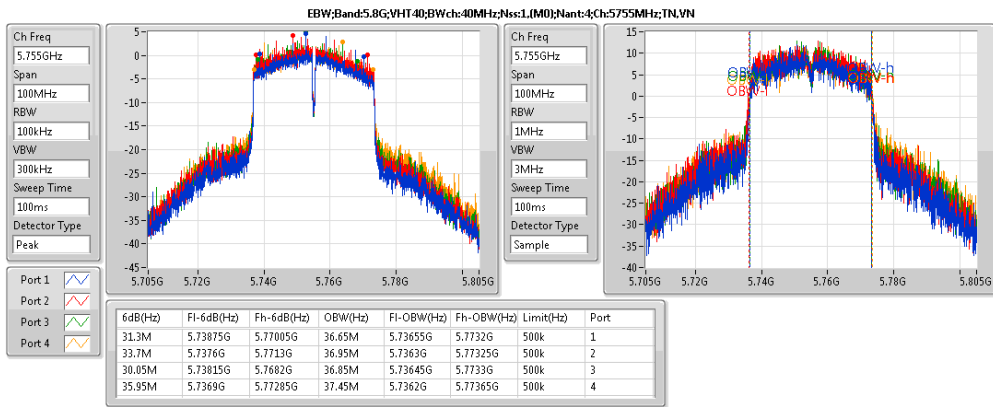
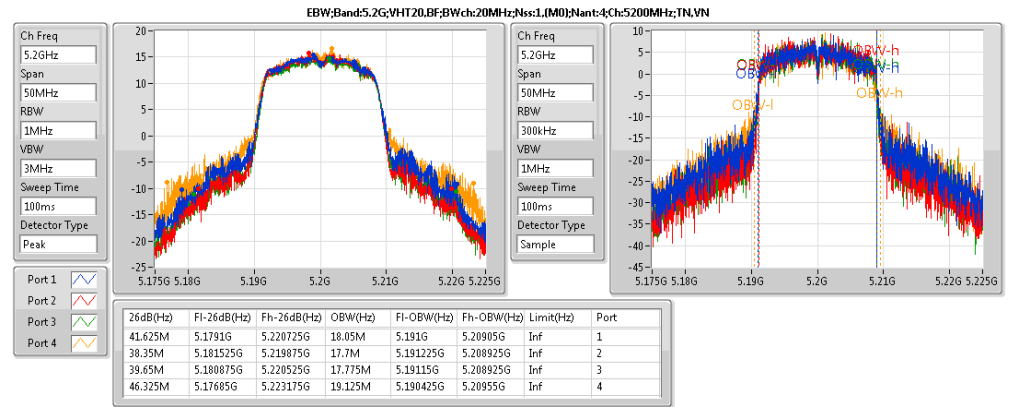
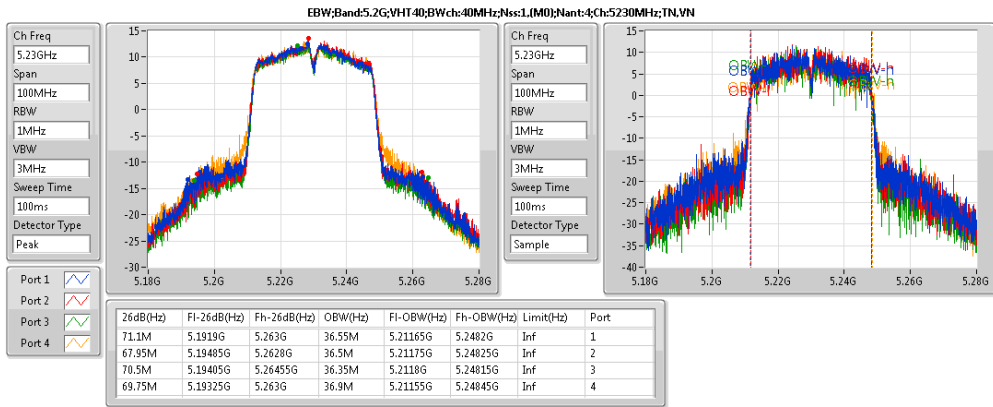
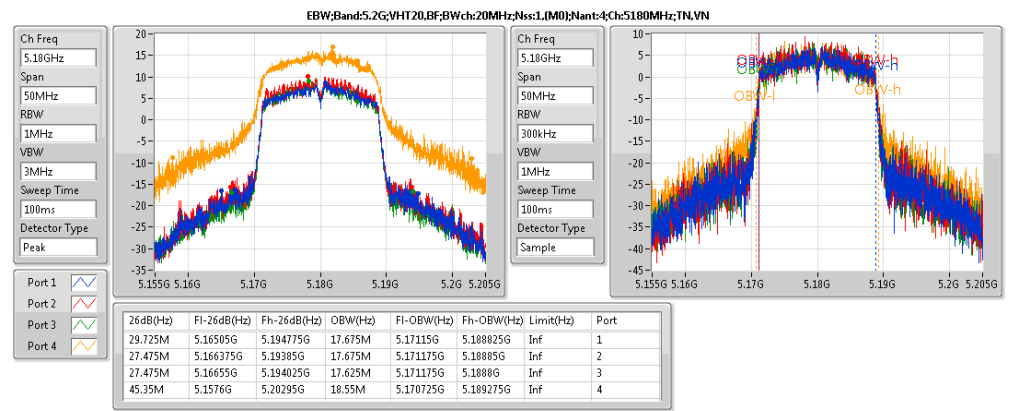
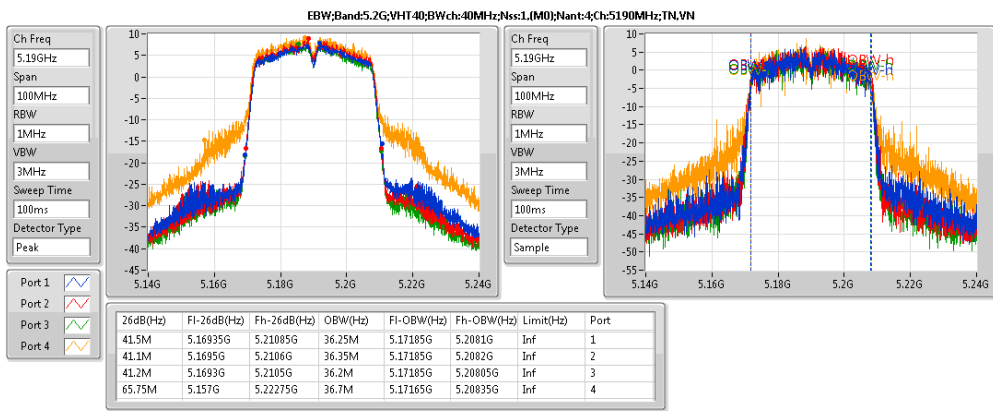
**Summary**

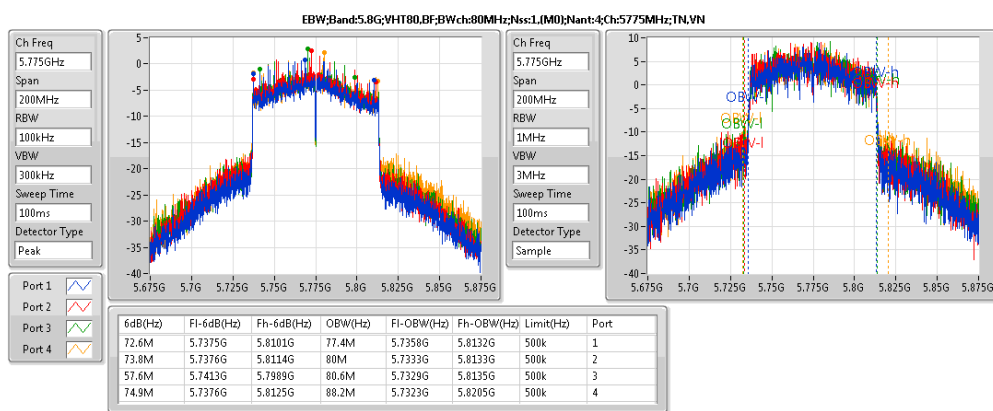
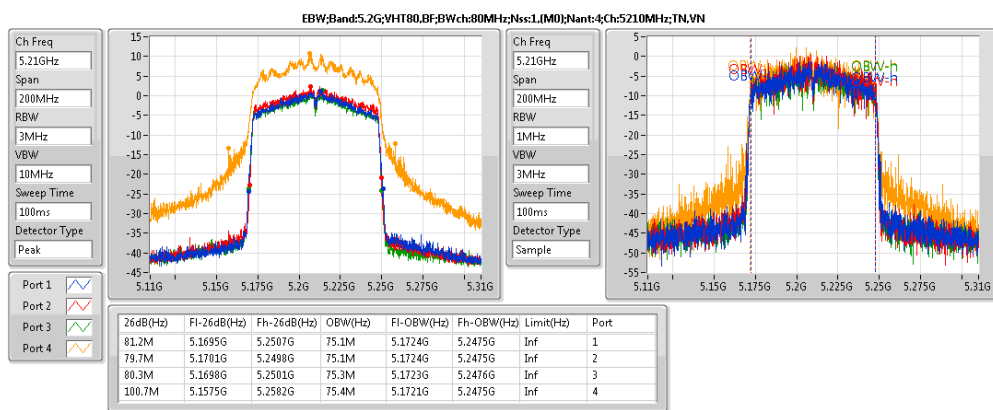
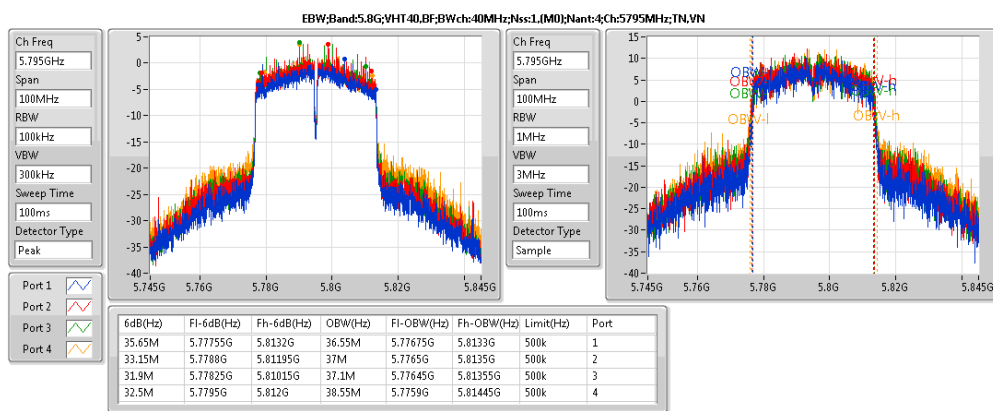
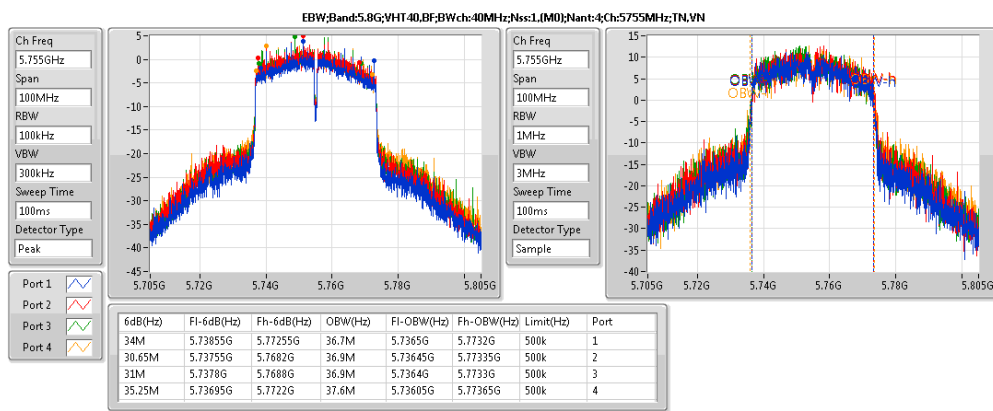
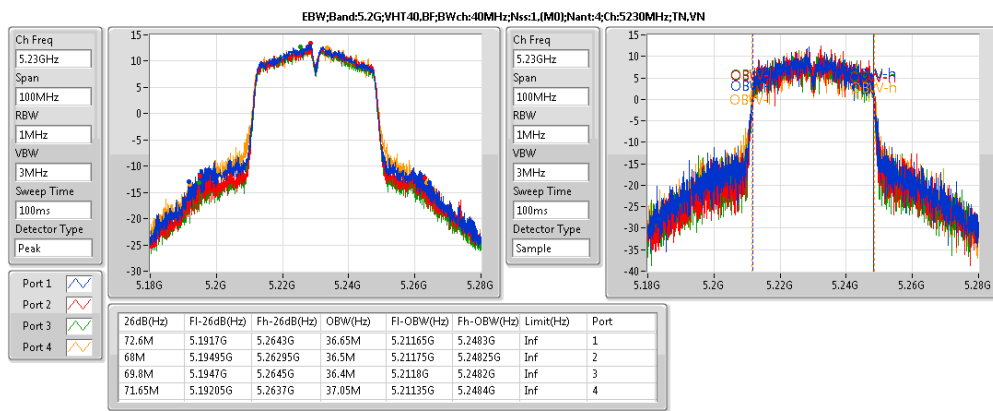
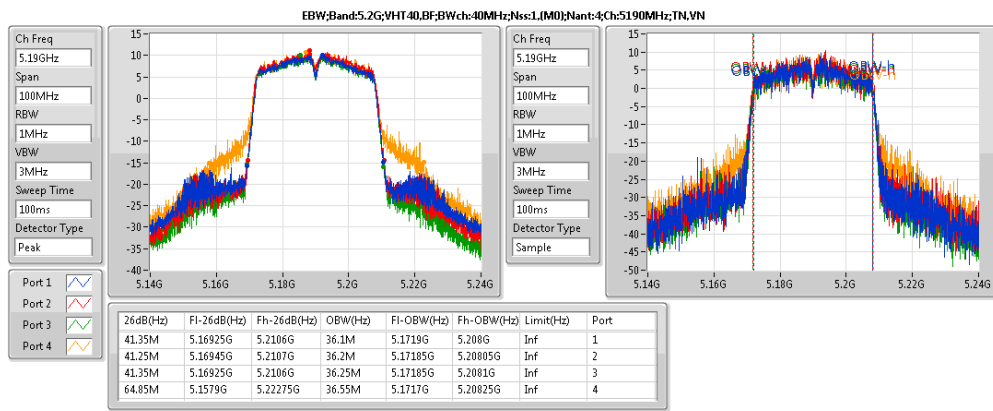
Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.2G;11a:Nss1:Ntx4	47.1M	18.4M	18M4D1D	20M	16.425M
5.8G;11a:Nss1:Ntx4	16M	21.175M	21M2D1D	13.75M	16.425M
5.2G;VHT20:Nss1,(M0):Ntx4	46.45M	19.575M	19M6D1D	21.225M	17.6M
5.8G;VHT20:Nss1,(M0):Ntx4	16.9M	22.525M	22M5D1D	13.8M	17.9M
5.2G;VHT40:Nss1,(M0):Ntx4	71.1M	36.9M	36M9D1D	41.1M	36.2M
5.8G;VHT40:Nss1,(M0):Ntx4	35.95M	39M	39M0D1D	30.05M	36.6M
5.2G;VHT80:Nss1,(M0):Ntx4	102.6M	75.5M	75M5D1D	80M	75.3M
5.8G;VHT80:Nss1,(M0):Ntx4	70.1M	75.9M	75M9D1D	60M	75.5M
5.2G;VHT20,BF:Nss1,(M0):Ntx4	46.325M	19.125M	19M1D1D	27.475M	17.625M
5.8G;VHT20,BF:Nss1,(M0):Ntx4	17.3M	22.15M	22M1D1D	12.9M	17.875M
5.2G;VHT40,BF:Nss1,(M0):Ntx4	72.6M	37.05M	37M0D1D	41.25M	36.1M
5.8G;VHT40,BF:Nss1,(M0):Ntx4	35.65M	38.55M	38M5D1D	30.65M	36.55M
5.2G;VHT80,BF:Nss1,(M0):Ntx4	100.7M	75.4M	75M4D1D	79.7M	75.1M
5.8G;VHT80,BF:Nss1,(M0):Ntx4	74.9M	88.2M	88M2D1D	57.6M	77.4M

**Result**

Mode	Result	Limit (Hz)	P1-N dB (Hz)	P1-OBW (Hz)	P2-N dB (Hz)	P2-OBW (Hz)	P3-N dB (Hz)	P3-OBW (Hz)	P4-N dB (Hz)	P4-OBW (Hz)
5.2G:11a:Nss1:Ntx4:5180	Pass	Inf	20.1M	16.425M	20M	16.475M	20.25M	16.425M	47.1M	17.525M
5.2G:11a:Nss1:Ntx4:5200	Pass	Inf	29.5M	16.6M	27.825M	16.575M	28.3M	16.575M	46.35M	17.375M
5.2G:11a:Nss1:Ntx4:5240	Pass	Inf	41.475M	17.15M	34.15M	16.7M	29.7M	16.7M	46.075M	18.4M
5.8G:11a:Nss1:Ntx4:5745	Pass	500k	14.325M	16.475M	14.8M	16.45M	16M	16.425M	15.325M	16.925M
5.8G:11a:Nss1:Ntx4:5785	Pass	500k	14.1M	16.775M	13.75M	16.85M	15.05M	16.85M	13.775M	19.575M
5.8G:11a:Nss1:Ntx4:5825	Pass	500k	14.875M	17.225M	15.05M	17.625M	13.975M	17.275M	15.9M	21.175M
5.2G:VHT20:Nss1,(M0):Ntx4:5180	Pass	Inf	28.125M	17.65M	23.05M	17.6M	21.225M	17.625M	46.45M	18.4M
5.2G:VHT20:Nss1,(M0):Ntx4:5200	Pass	Inf	39.8M	17.9M	37.25M	17.825M	40.05M	17.775M	45.25M	19.575M
5.2G:VHT20:Nss1,(M0):Ntx4:5240	Pass	Inf	39.525M	17.85M	36.8M	17.725M	37.775M	17.775M	45.2M	18.85M
5.8G:VHT20:Nss1,(M0):Ntx4:5745	Pass	500k	15.7M	17.9M	16.05M	18.2M	15.9M	18.1M	13.8M	19.5M
5.8G:VHT20:Nss1,(M0):Ntx4:5785	Pass	500k	14.775M	17.9M	15.25M	18.05M	16.275M	18.05M	15.925M	20.75M
5.8G:VHT20:Nss1,(M0):Ntx4:5825	Pass	500k	16.4M	18.025M	16.9M	18.3M	15.3M	18.35M	14M	22.525M
5.2G:VHT40:Nss1,(M0):Ntx4:5190	Pass	Inf	41.5M	36.25M	41.1M	36.35M	41.2M	36.2M	65.75M	36.7M
5.2G:VHT40:Nss1,(M0):Ntx4:5230	Pass	Inf	71.1M	36.55M	67.95M	36.5M	70.5M	36.35M	69.75M	36.9M
5.8G:VHT40:Nss1,(M0):Ntx4:5755	Pass	500k	31.3M	36.65M	33.7M	36.95M	30.05M	36.85M	35.95M	37.45M
5.8G:VHT40:Nss1,(M0):Ntx4:5795	Pass	500k	32.6M	36.6M	35M	36.95M	33.95M	36.95M	32.6M	39M
5.2G:VHT80:Nss1,(M0):Ntx4:5210	Pass	Inf	81.4M	75.3M	80M	75.3M	80.5M	75.4M	102.6M	75.5M
5.8G:VHT80:Nss1,(M0):Ntx4:5775	Pass	500k	60M	75.7M	63.8M	75.7M	65M	75.5M	70.1M	75.9M
5.2G:VHT20,BF:Nss1,(M0):Ntx4:5180	Pass	Inf	29.725M	17.675M	27.475M	17.675M	27.475M	17.625M	45.35M	18.55M
5.2G:VHT20,BF:Nss1,(M0):Ntx4:5200	Pass	Inf	41.625M	18.05M	38.35M	17.7M	39.65M	17.775M	46.325M	19.125M
5.2G:VHT20,BF:Nss1,(M0):Ntx4:5240	Pass	Inf	41.725M	17.825M	38.65M	17.75M	38.25M	17.725M	46.125M	18.575M
5.8G:VHT20,BF:Nss1,(M0):Ntx4:5745	Pass	500k	15.4M	17.9M	16.925M	18.15M	16.525M	18M	15.925M	18.975M
5.8G:VHT20,BF:Nss1,(M0):Ntx4:5785	Pass	500k	12.9M	17.875M	16.075M	18.05M	15.675M	18.075M	17.3M	20.2M
5.8G:VHT20,BF:Nss1,(M0):Ntx4:5825	Pass	500k	15.025M	18.05M	14.6M	18.075M	14.4M	18.275M	14.975M	22.15M
5.2G:VHT40,BF:Nss1,(M0):Ntx4:5190	Pass	Inf	41.35M	36.1M	41.25M	36.2M	41.35M	36.25M	64.85M	36.55M
5.2G:VHT40,BF:Nss1,(M0):Ntx4:5230	Pass	Inf	72.6M	36.65M	68M	36.5M	69.8M	36.4M	71.65M	37.05M
5.8G:VHT40,BF:Nss1,(M0):Ntx4:5755	Pass	500k	34M	36.7M	30.65M	36.9M	31M	36.9M	35.25M	37.6M
5.8G:VHT40,BF:Nss1,(M0):Ntx4:5795	Pass	500k	35.65M	36.55M	33.15M	37M	31.9M	37.1M	32.5M	38.55M
5.2G:VHT80,BF:Nss1,(M0):Ntx4:5210	Pass	Inf	81.2M	75.1M	79.7M	75.1M	80.3M	75.3M	100.7M	75.4M
5.8G:VHT80,BF:Nss1,(M0):Ntx4:5775	Pass	500k	72.6M	77.4M	73.8M	80M	57.6M	80.6M	74.9M	88.2M









Summary

Mode	Sum (dBm)	Sum (W)	EIRP (dBm)	EIRP (W)
5.2G:11a:Nss1:Ntx4	25.74	0.37497	27.73	0.59293
5.8G:11a:Nss1:Ntx4	26.61	0.45814	28.53	0.71285
5.2G:VHT20:Nss1,(M0):Ntx4	26.56	0.4529	28.55	0.71614
5.8G:VHT20:Nss1,(M0):Ntx4	26.85	0.48417	28.77	0.75336
5.2G:VHT40:Nss1,(M0):Ntx4	23.34	0.21577	25.33	0.34119
5.8G:VHT40:Nss1,(M0):Ntx4	26.97	0.49774	28.89	0.77446
5.2G:VHT80:Nss1,(M0):Ntx4	16.54	0.04508	18.53	0.07129
5.8G:VHT80:Nss1,(M0):Ntx4	23.46	0.22182	25.38	0.34514
5.2G:VHT20,BF:Nss1,(M0):Ntx4	24.38	0.27416	32.29	1.69434
5.8G:VHT20,BF:Nss1,(M0):Ntx4	24.56	0.28576	32.44	1.75388
5.2G:VHT40,BF:Nss1,(M0):Ntx4	23.75	0.23714	31.66	1.46555
5.8G:VHT40,BF:Nss1,(M0):Ntx4	24.39	0.27479	32.27	1.68655
5.2G:VHT80,BF:Nss1,(M0):Ntx4	17.59	0.05741	25.50	0.35481
5.8G:VHT80,BF:Nss1,(M0):Ntx4	20.36	0.10864	28.24	0.66681



Result

Mode	Result	DG (dBi)	Sum (dBm)	Sum Lim. (dBm)	EIRP (dBm)	EIRP Lim. (dBm)	P1 (dBm)	P2 (dBm)	P3 (dBm)	P4 (dBm)
5.2G:11a:Nss1:Ntx4:5180	Pass	1.99	22.92	30.00	24.91	36.00	16.79	16.77	16.89	17.12
5.2G:11a:Nss1:Ntx4:5200	Pass	1.99	23.22	30.00	25.21	36.00	17.17	17.10	17.27	17.25
5.2G:11a:Nss1:Ntx4:5240	Pass	1.99	25.74	30.00	27.73	36.00	19.51	19.47	19.94	19.92
5.8G:11a:Nss1:Ntx4:5745	Pass	1.92	26.59	30.00	28.51	36.00	21.11	20.98	20.05	20.00
5.8G:11a:Nss1:Ntx4:5785	Pass	1.92	26.61	30.00	28.53	36.00	21.01	21.02	20.39	19.83
5.8G:11a:Nss1:Ntx4:5825	Pass	1.92	25.53	30.00	27.45	36.00	19.26	19.25	19.65	19.83
5.2G:VHT20:Nss1,(M0):Ntx4:5180	Pass	1.99	21.15	30.00	23.14	36.00	15.00	15.05	15.25	15.22
5.2G:VHT20:Nss1,(M0):Ntx4:5200	Pass	1.99	24.35	30.00	26.34	36.00	18.98	18.12	18.08	18.06
5.2G:VHT20:Nss1,(M0):Ntx4:5240	Pass	1.99	26.56	30.00	28.55	36.00	20.38	20.23	20.80	20.74
5.8G:VHT20:Nss1,(M0):Ntx4:5745	Pass	1.92	26.79	30.00	28.71	36.00	21.08	21.13	20.40	20.40
5.8G:VHT20:Nss1,(M0):Ntx4:5785	Pass	1.92	26.68	30.00	28.60	36.00	21.13	21.11	20.15	20.14
5.8G:VHT20:Nss1,(M0):Ntx4:5825	Pass	1.92	26.85	30.00	28.77	36.00	21.19	21.18	20.46	20.42
5.2G:VHT40:Nss1,(M0):Ntx4:5190	Pass	1.99	17.96	30.00	19.95	36.00	11.68	11.65	12.20	12.19
5.2G:VHT40:Nss1,(M0):Ntx4:5230	Pass	1.99	23.34	30.00	25.33	36.00	16.77	16.75	18.29	17.30
5.8G:VHT40:Nss1,(M0):Ntx4:5755	Pass	1.92	26.97	30.00	28.89	36.00	21.57	21.55	20.21	20.26
5.8G:VHT40:Nss1,(M0):Ntx4:5795	Pass	1.92	26.96	30.00	28.88	36.00	21.84	21.58	19.99	20.02
5.2G:VHT80:Nss1,(M0):Ntx4:5210	Pass	1.99	16.54	30.00	18.53	36.00	10.35	10.21	10.49	10.98
5.8G:VHT80:Nss1,(M0):Ntx4:5775	Pass	1.92	23.46	30.00	25.38	36.00	17.4	16.92	17.63	17.77
5.2G:VHT20,BF:Nss1,(M0):Ntx4:5180	Pass	7.91	18.85	28.09	26.76	36.00	12.54	12.95	12.66	13.14
5.2G:VHT20,BF:Nss1,(M0):Ntx4:5200	Pass	7.91	24.20	28.09	32.11	36.00	18.46	18.15	17.73	18.35
5.2G:VHT20,BF:Nss1,(M0):Ntx4:5240	Pass	7.91	24.38	28.09	32.29	36.00	18.44	18.51	18.35	18.13
5.8G:VHT20,BF:Nss1,(M0):Ntx4:5745	Pass	7.88	24.56	28.12	32.44	36.00	18.4	18.82	18.34	18.59
5.8G:VHT20,BF:Nss1,(M0):Ntx4:5785	Pass	7.88	24.29	28.12	32.17	36.00	17.33	18.57	18.17	18.87
5.8G:VHT20,BF:Nss1,(M0):Ntx4:5825	Pass	7.88	24.22	28.12	32.09	36.00	18.18	18.15	18.57	17.85
5.2G:VHT40,BF:Nss1,(M0):Ntx4:5190	Pass	7.91	17.17	28.09	25.08	36.00	10.41	11.28	11.31	11.52
5.2G:VHT40,BF:Nss1,(M0):Ntx4:5230	Pass	7.91	23.75	28.09	31.66	36.00	18.37	17.87	17.14	17.45
5.8G:VHT40,BF:Nss1,(M0):Ntx4:5755	Pass	7.88	24.39	28.12	32.27	36.00	17.99	18.71	18.31	18.45
5.8G:VHT40,BF:Nss1,(M0):Ntx4:5795	Pass	7.88	24.10	28.12	31.97	36.00	17.03	17.96	18.22	18.9
5.2G:VHT80,BF:Nss1,(M0):Ntx4:5210	Pass	7.91	17.59	28.09	25.50	36.00	11.45	11.72	11.42	11.68
5.8G:VHT80,BF:Nss1,(M0):Ntx4:5775	Pass	7.88	20.36	28.12	28.24	36.00	13.95	14.45	14.34	14.59

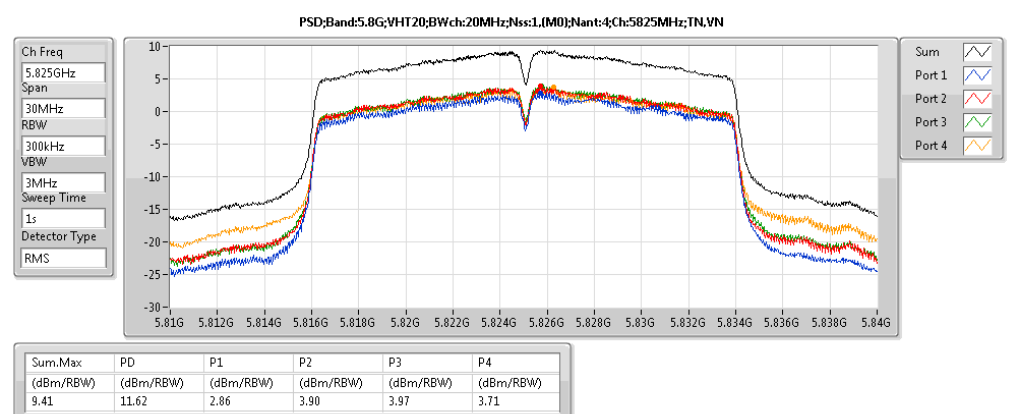
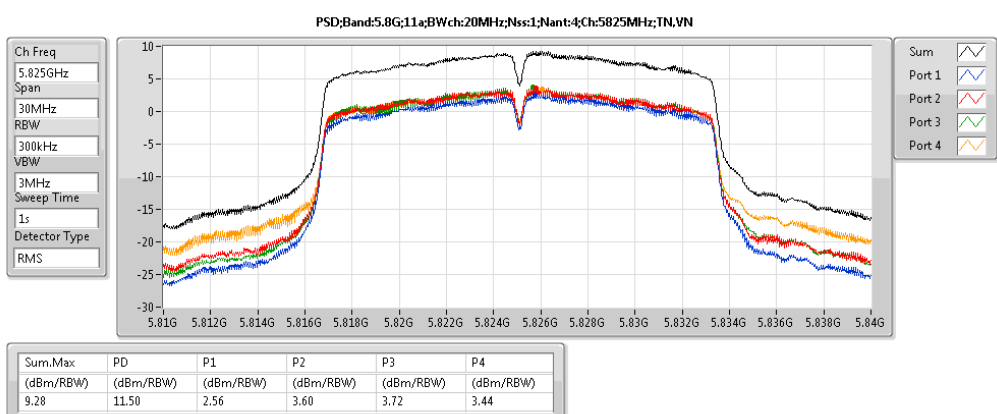
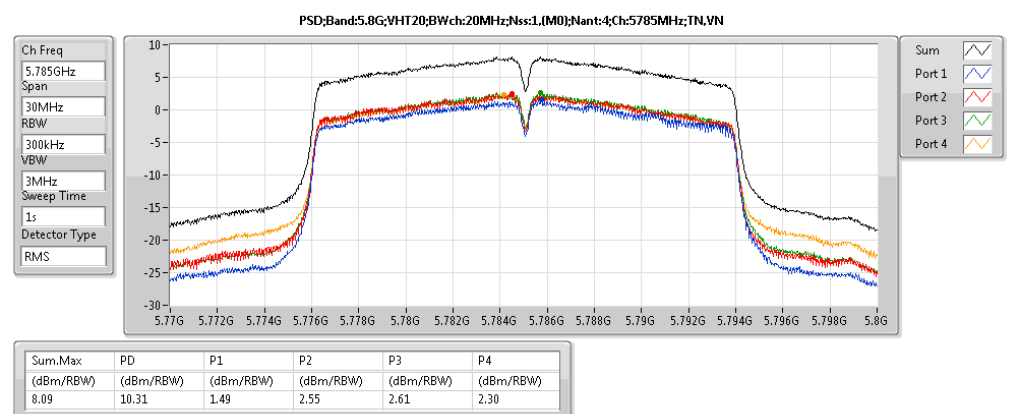
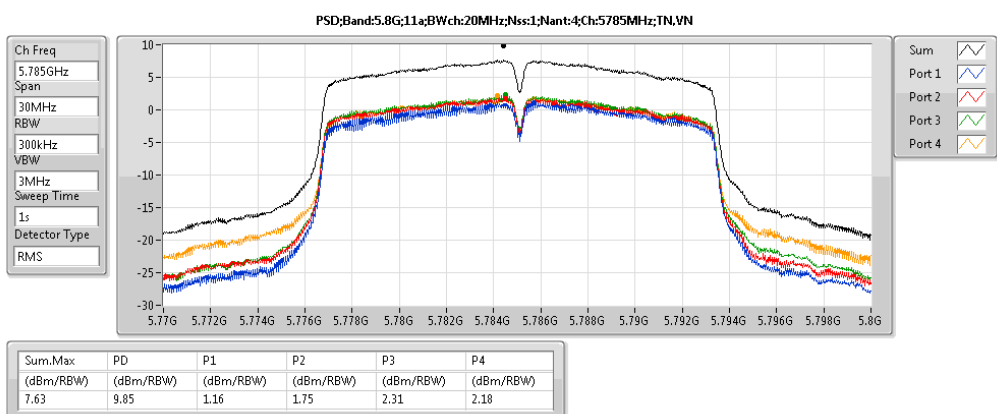
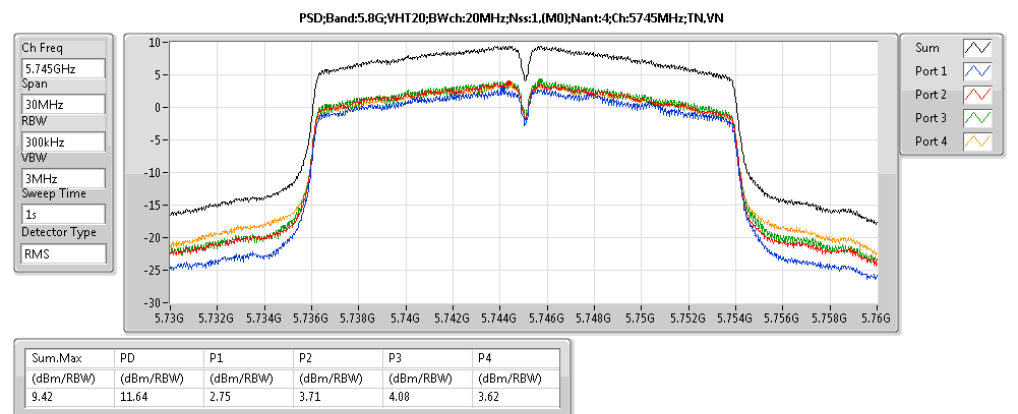
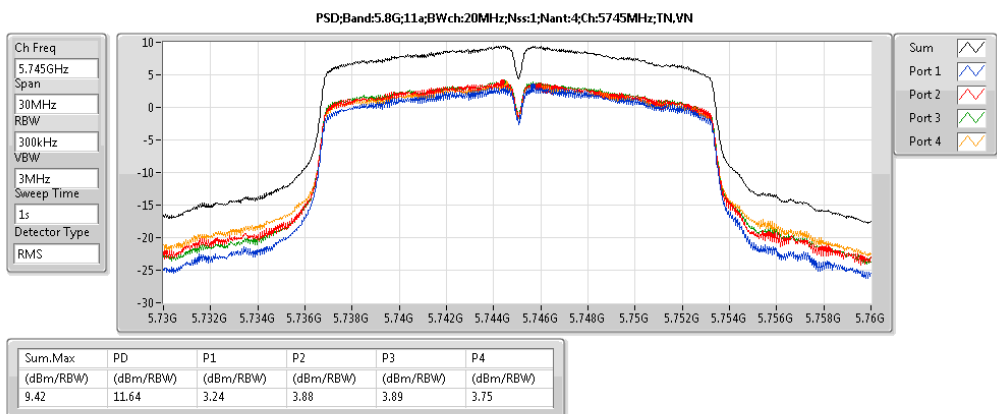
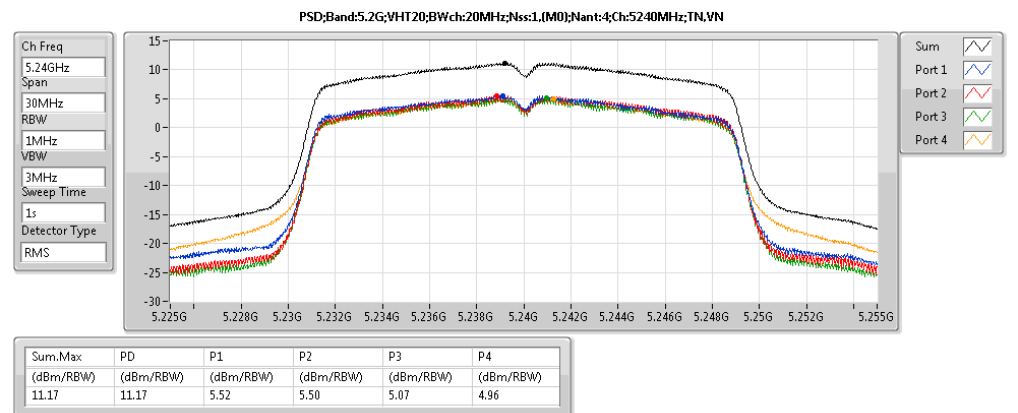
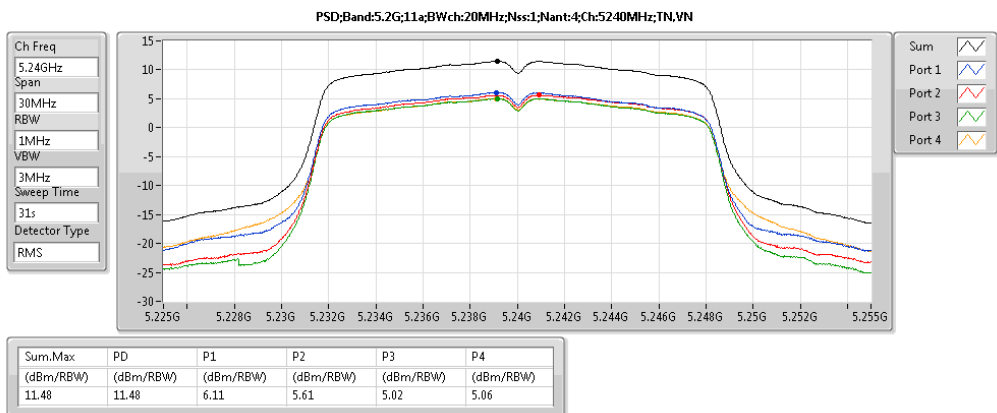
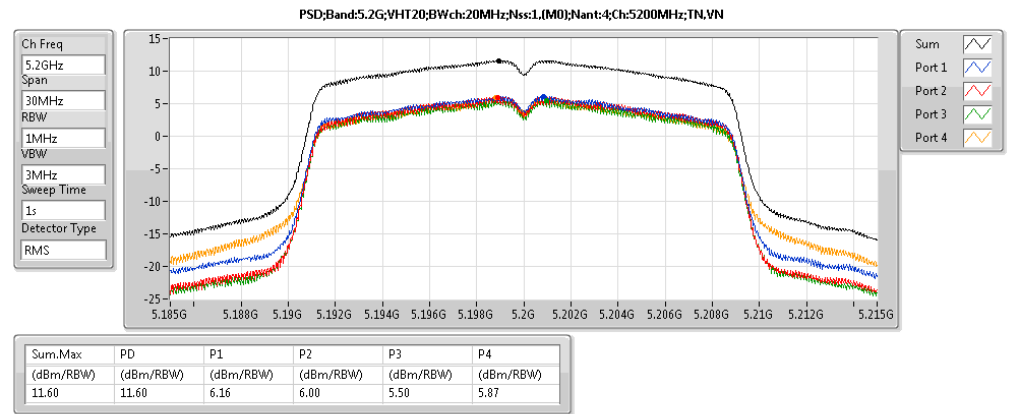
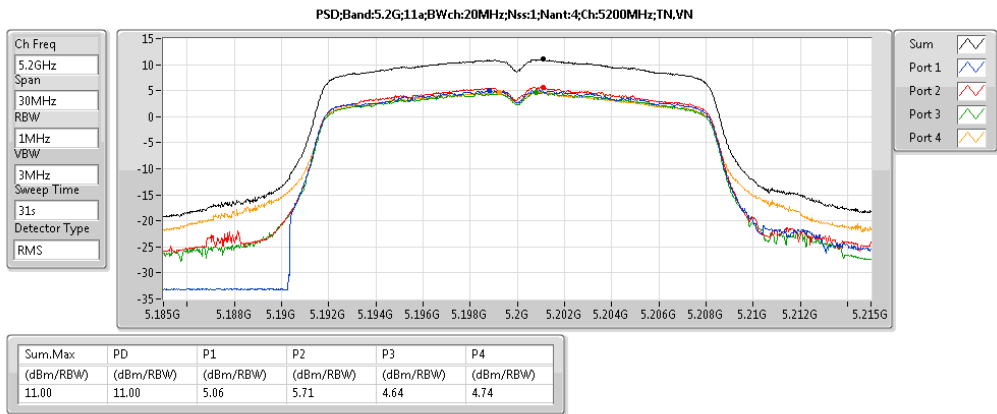
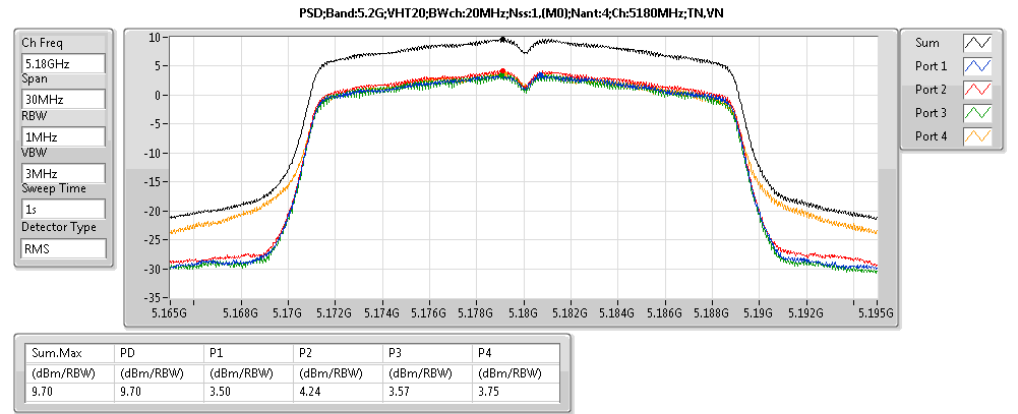
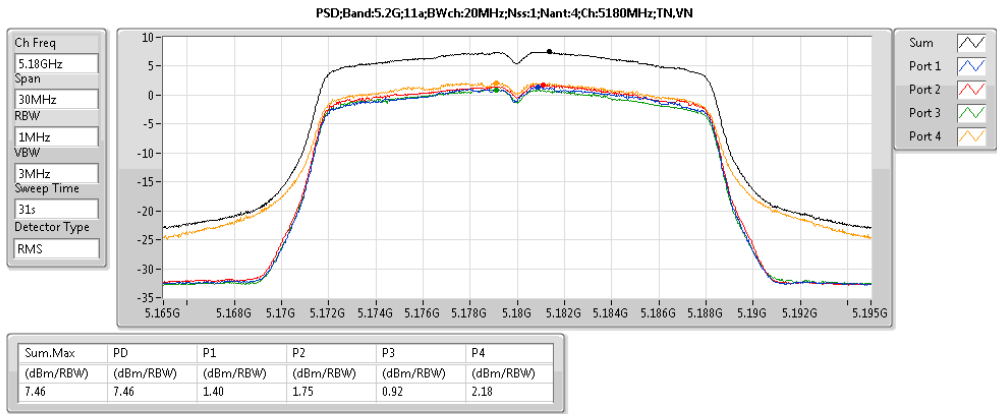


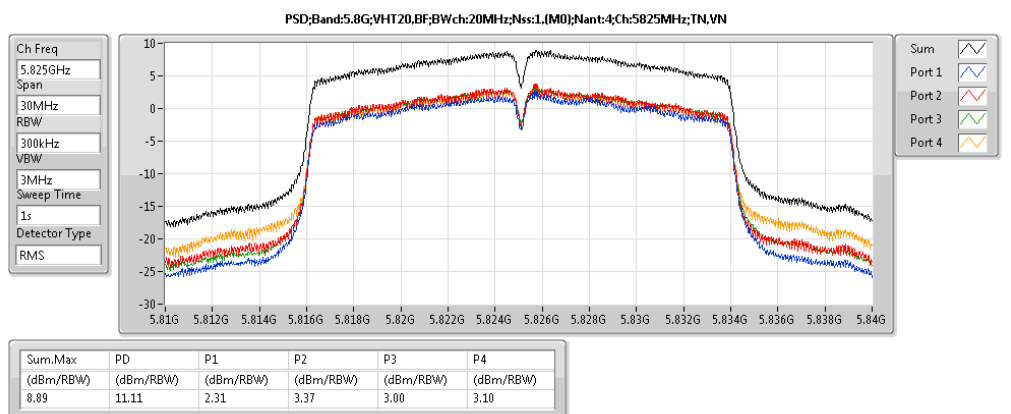
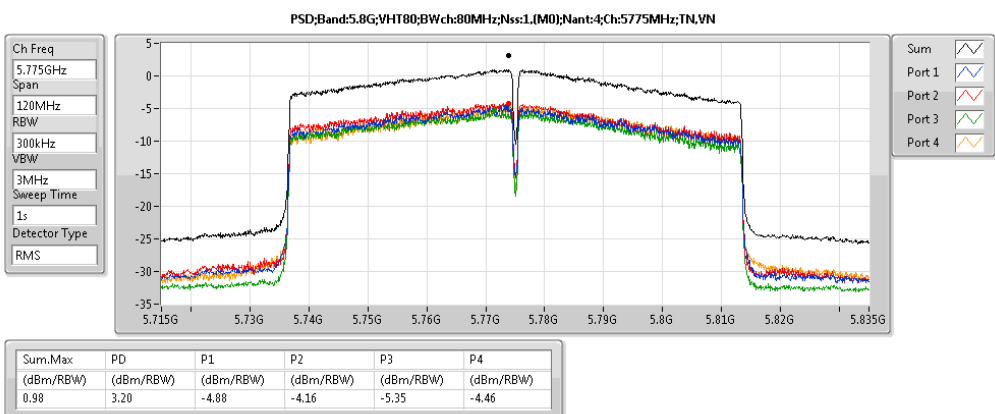
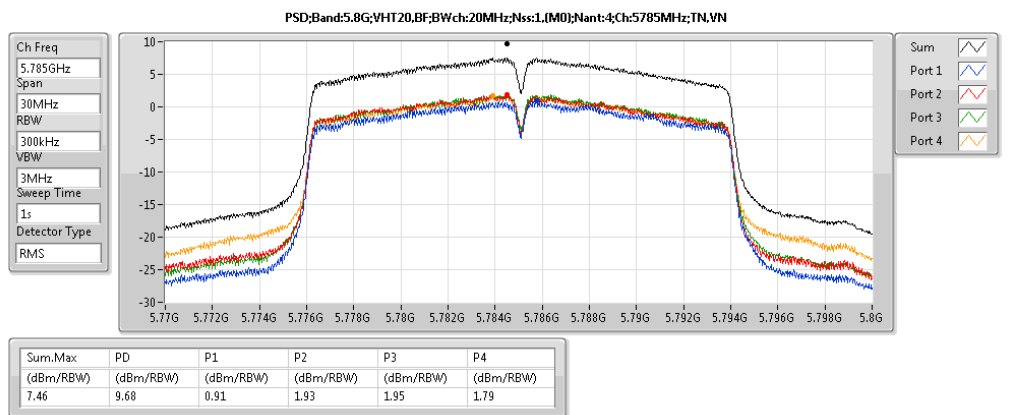
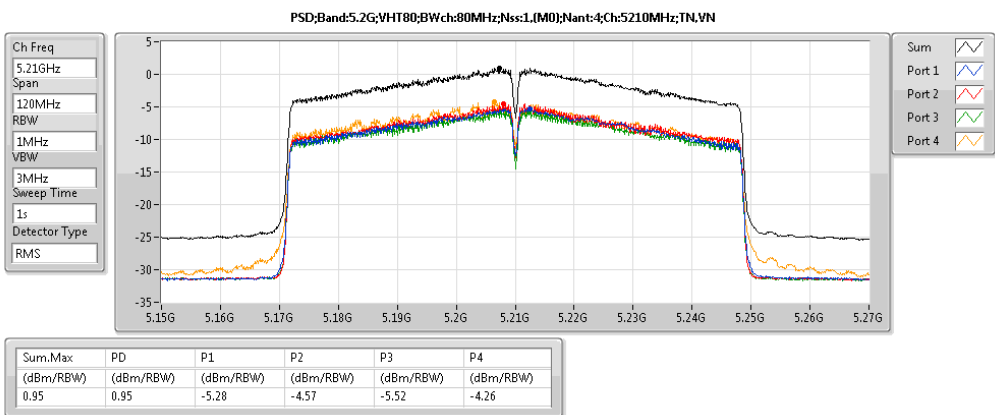
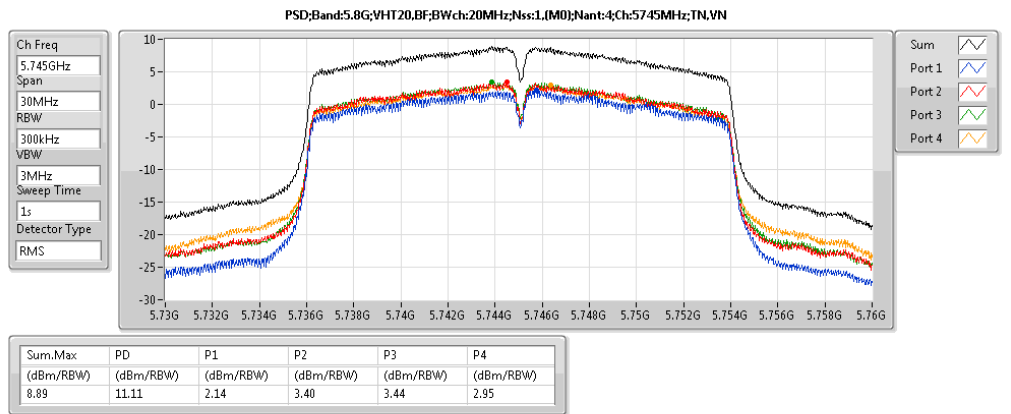
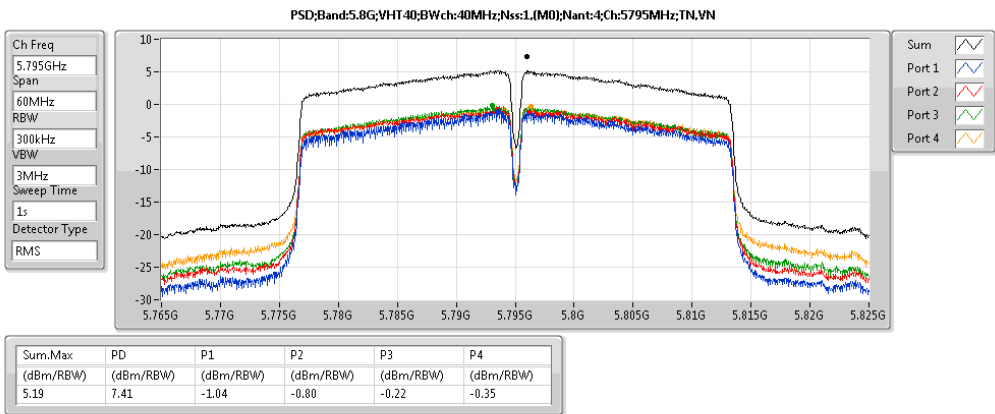
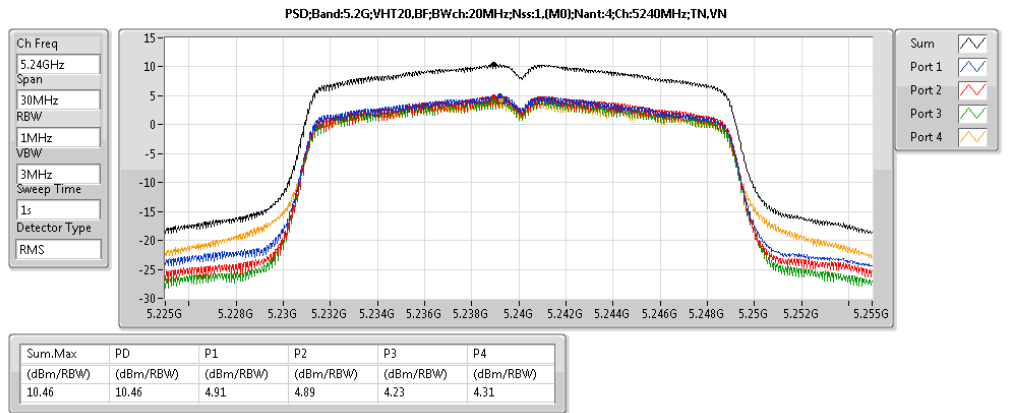
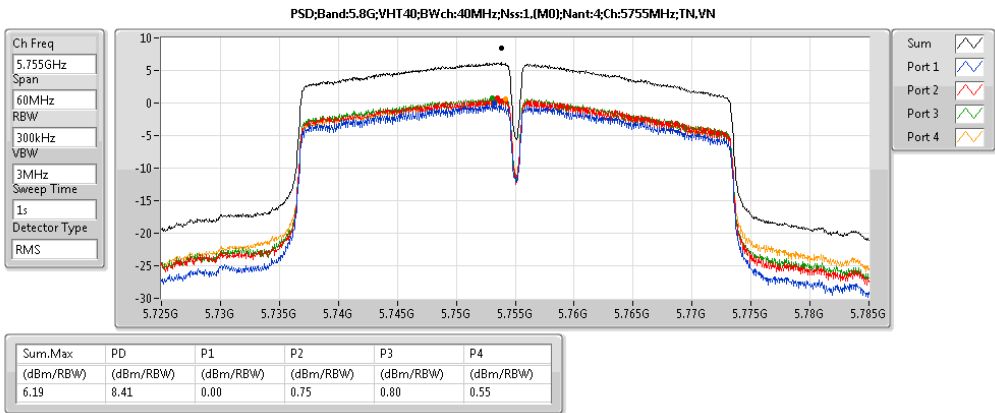
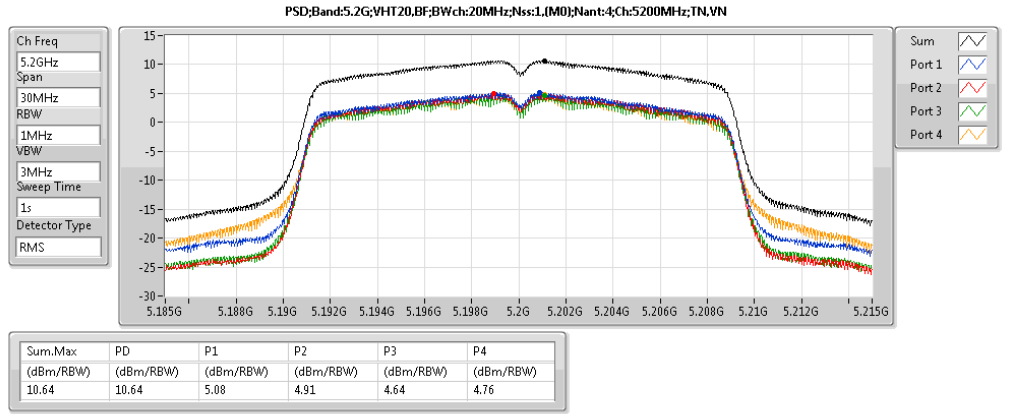
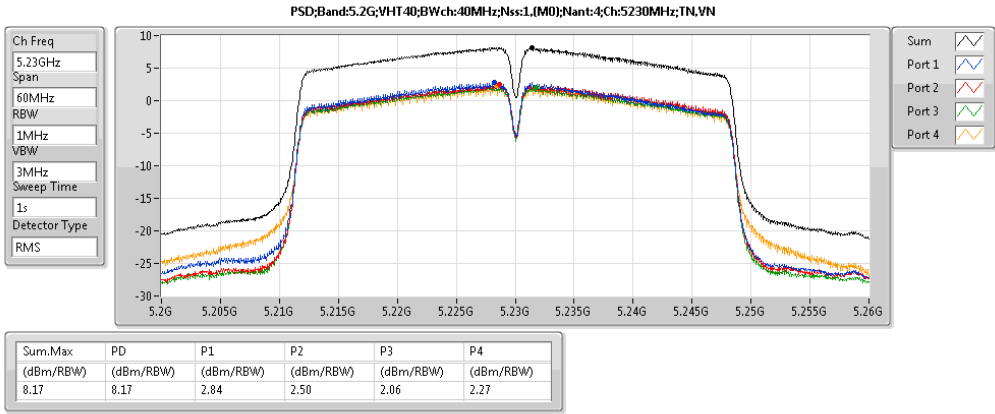
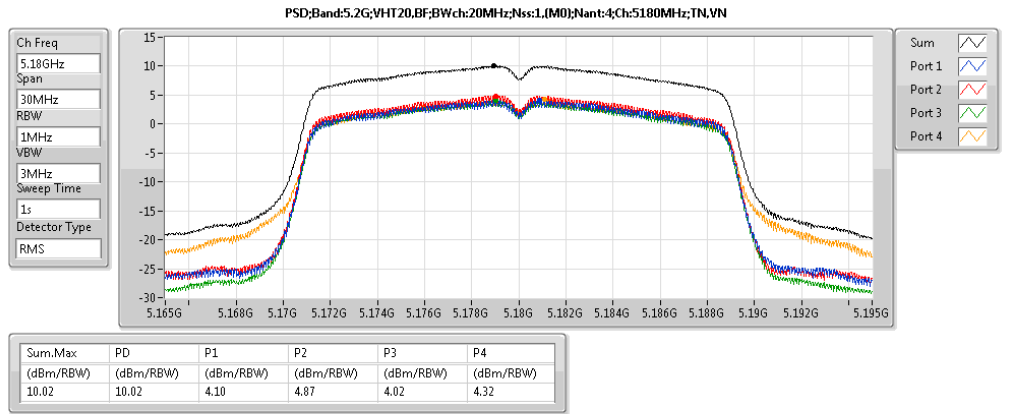
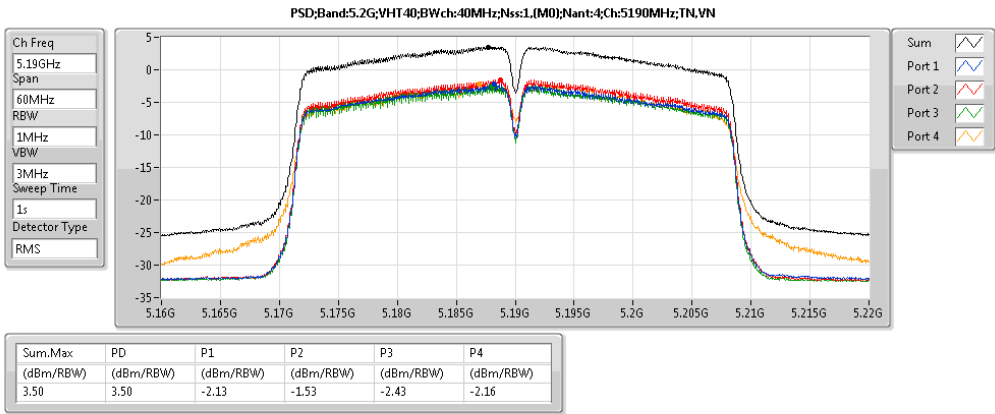
Summary

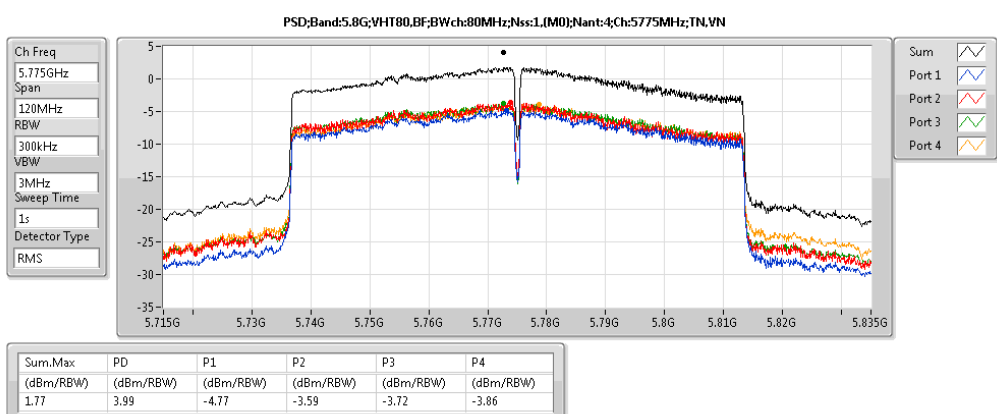
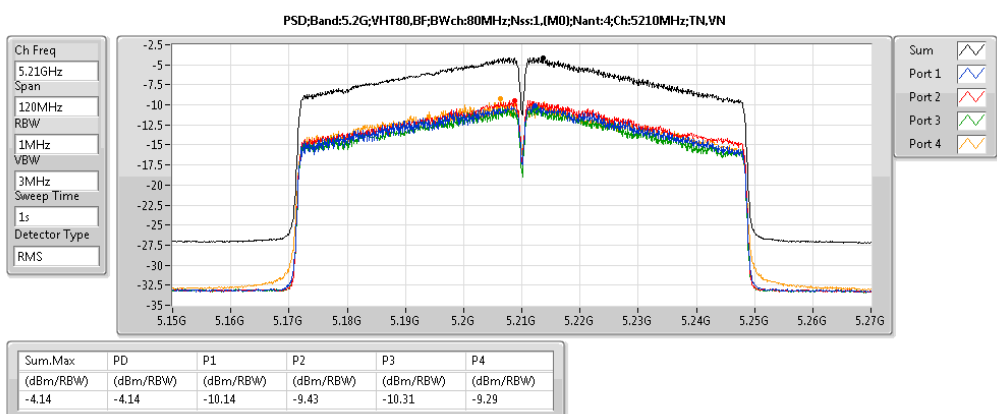
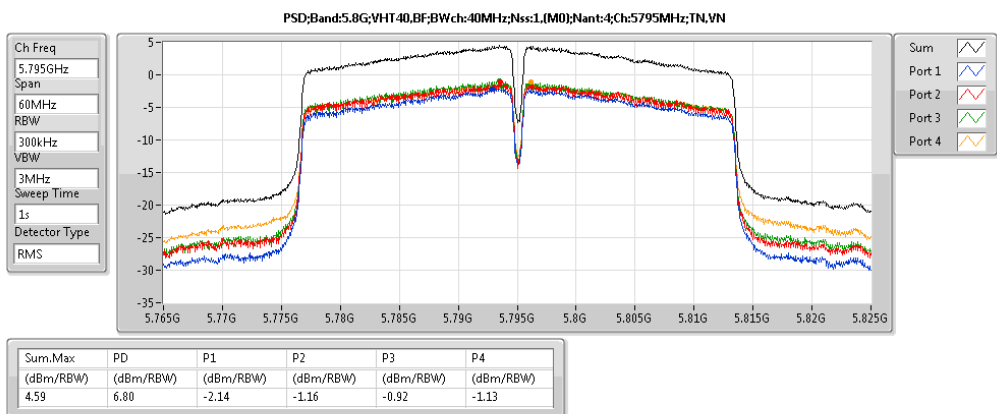
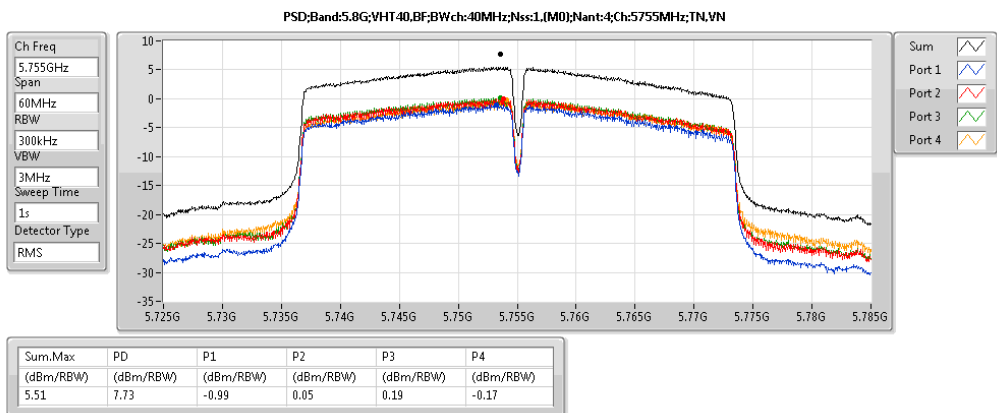
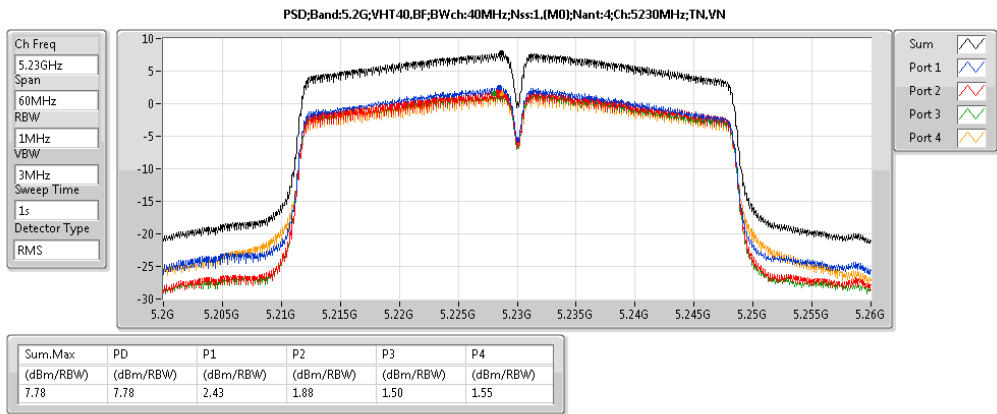
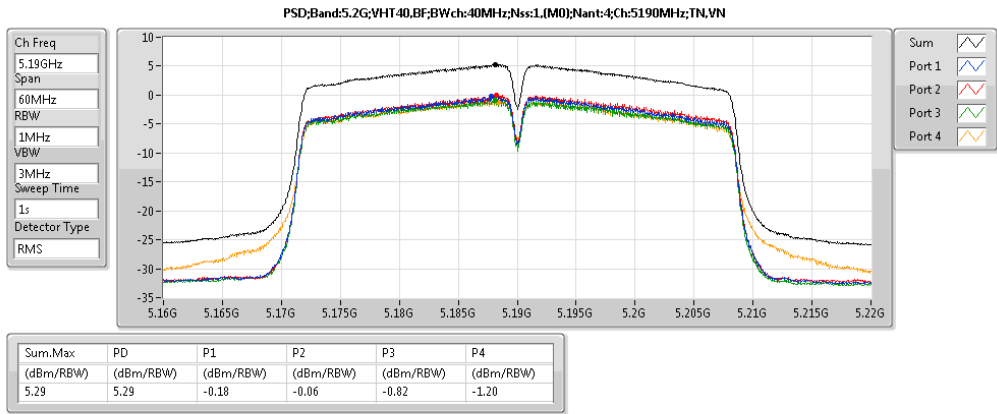
Mode	PD (dBm/RBW)	EIRP.PD (dBm/RBW)
5.2G;11a;Nss1;Ntx4	11.48	19.39
5.8G;11a;Nss1;Ntx4	9.42	19.51
5.2G;VHT20;Nss1,(M0);Ntx4	11.60	19.51
5.8G;VHT20;Nss1,(M0);Ntx4	9.42	19.52
5.2G;VHT40;Nss1,(M0);Ntx4	8.17	16.08
5.8G;VHT40;Nss1,(M0);Ntx4	6.19	16.28
5.2G;VHT80;Nss1,(M0);Ntx4	0.95	8.86
5.8G;VHT80;Nss1,(M0);Ntx4	0.98	11.08
5.2G;VHT20,BF;Nss1,(M0);Ntx4	10.64	18.55
5.8G;VHT20,BF;Nss1,(M0);Ntx4	8.89	18.99
5.2G;VHT40,BF;Nss1,(M0);Ntx4	7.78	15.69
5.8G;VHT40,BF;Nss1,(M0);Ntx4	5.51	15.61
5.2G;VHT80,BF;Nss1,(M0);Ntx4	-4.14	3.77
5.8G;VHT80,BF;Nss1,(M0);Ntx4	1.77	11.87

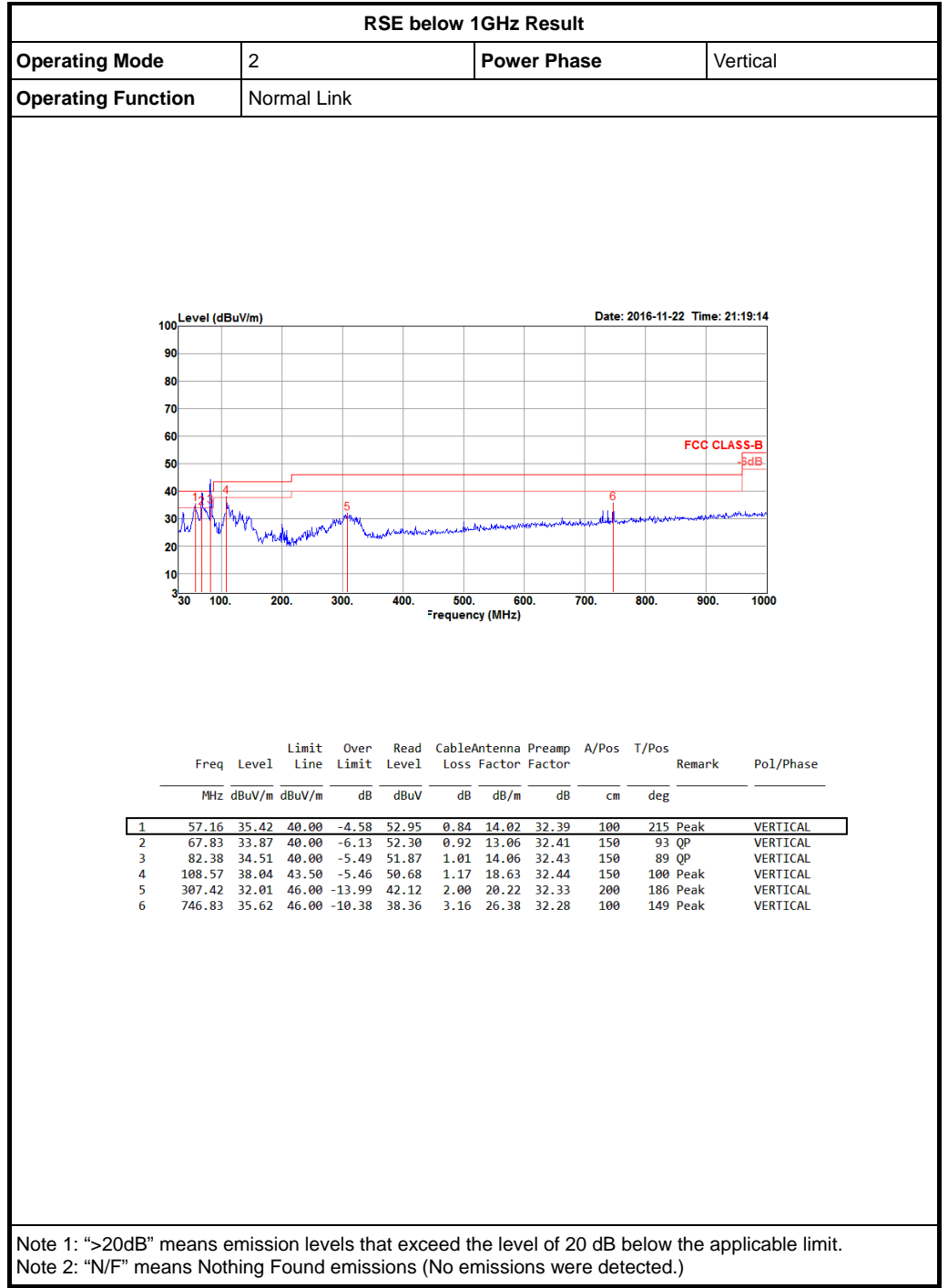
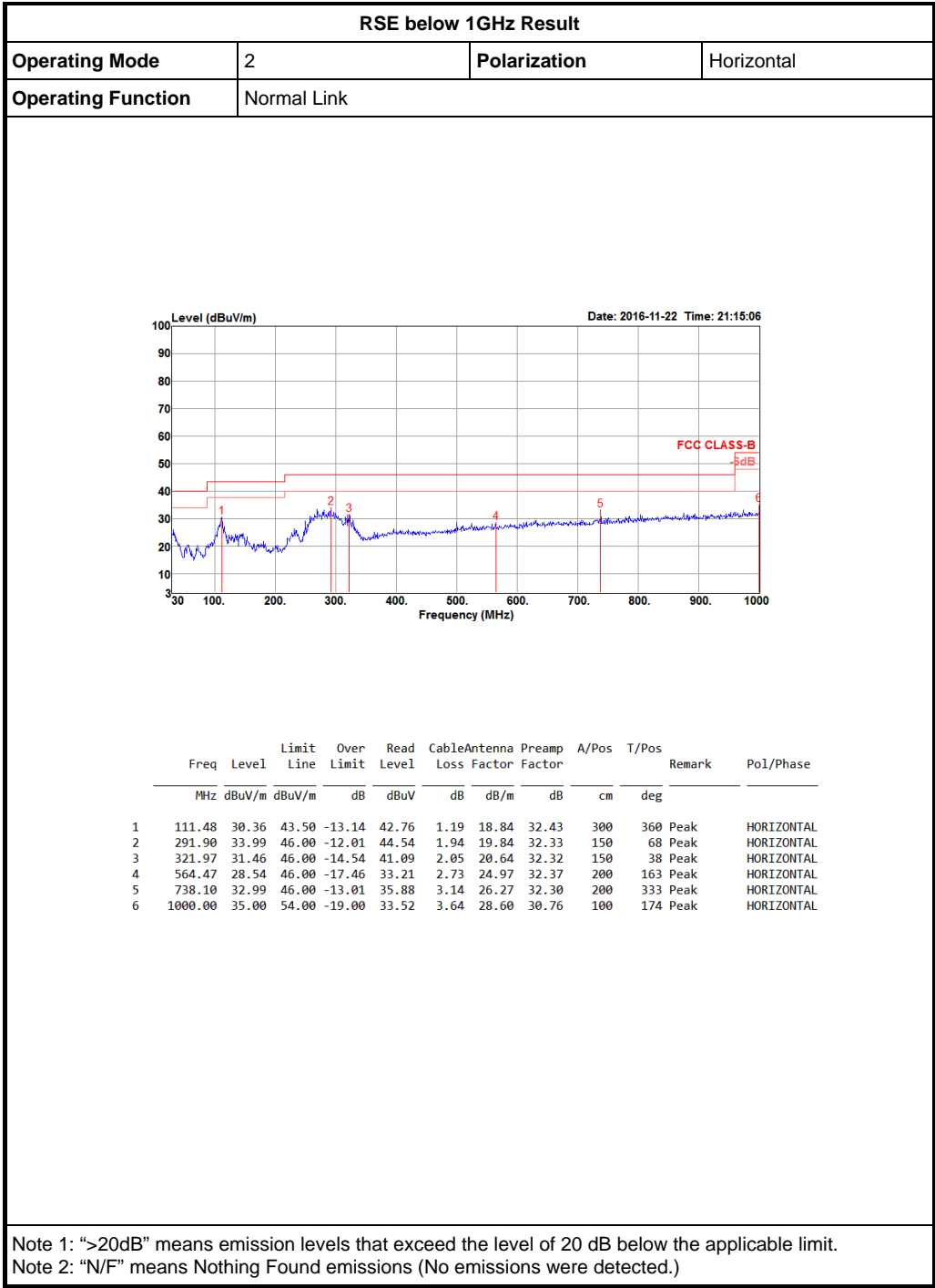
Result

Mode	Result	BWCF (dB)	DG (dBi)	PD (dBm/RBW)	PD.Limit (dBm/RBW)	P1 (dBm/RBW)	P2 (dBm/RBW)	P3 (dBm/RBW)	P4 (dBm/RBW)
5.2G;11a:Nss1:Ntx4:5180	Pass	0.00	7.91	7.46	15.09	1.40	1.75	0.92	2.18
5.2G;11a:Nss1:Ntx4:5200	Pass	0.00	7.91	11.00	15.09	5.06	5.71	4.64	4.74
5.2G;11a:Nss1:Ntx4:5240	Pass	0.00	7.91	11.48	15.09	6.11	5.61	5.02	5.06
5.8G;11a:Nss1:Ntx4:5745	Pass	2.22	7.88	11.64	28.12	3.24	3.88	3.89	3.75
5.8G;11a:Nss1:Ntx4:5785	Pass	2.22	7.88	9.85	28.12	1.16	1.75	2.31	2.18
5.8G;11a:Nss1:Ntx4:5825	Pass	2.22	7.88	11.50	28.12	2.56	3.60	3.72	3.44
5.2G;VHT20:Nss1,(M0):Ntx4:5180	Pass	0.00	7.91	9.70	15.09	3.50	4.24	3.57	3.75
5.2G;VHT20:Nss1,(M0):Ntx4:5200	Pass	0.00	7.91	11.60	15.09	6.16	6.00	5.50	5.87
5.2G;VHT20:Nss1,(M0):Ntx4:5240	Pass	0.00	7.91	11.17	15.09	5.52	5.50	5.07	4.96
5.8G;VHT20:Nss1,(M0):Ntx4:5745	Pass	2.22	7.88	11.64	28.12	2.75	3.71	4.08	3.62
5.8G;VHT20:Nss1,(M0):Ntx4:5785	Pass	2.22	7.88	10.31	28.12	1.49	2.55	2.61	2.30
5.8G;VHT20:Nss1,(M0):Ntx4:5825	Pass	2.22	7.88	11.62	28.12	2.86	3.90	3.97	3.71
5.2G;VHT40:Nss1,(M0):Ntx4:5190	Pass	0.00	7.91	3.50	15.09	-2.13	-1.53	-2.43	-2.16
5.2G;VHT40:Nss1,(M0):Ntx4:5230	Pass	0.00	7.91	8.17	15.09	2.84	2.50	2.06	2.27
5.8G;VHT40:Nss1,(M0):Ntx4:5755	Pass	2.22	7.88	8.41	28.12	0.00	0.75	0.80	0.55
5.8G;VHT40:Nss1,(M0):Ntx4:5795	Pass	2.22	7.88	7.41	28.12	-1.04	-0.80	-0.22	-0.35
5.2G;VHT80:Nss1,(M0):Ntx4:5210	Pass	0.00	7.91	0.95	15.09	-5.28	-4.57	-5.52	-4.26
5.8G;VHT80:Nss1,(M0):Ntx4:5775	Pass	2.22	7.88	3.20	28.12	-4.88	-4.16	-5.35	-4.46
5.2G;VHT20,BF:Nss1,(M0):Ntx4:5180	Pass	0.00	7.91	10.02	15.09	4.10	4.87	4.02	4.32
5.2G;VHT20,BF:Nss1,(M0):Ntx4:5200	Pass	0.00	7.91	10.64	15.09	5.08	4.91	4.64	4.76
5.2G;VHT20,BF:Nss1,(M0):Ntx4:5240	Pass	0.00	7.91	10.46	15.09	4.91	4.89	4.23	4.31
5.8G;VHT20,BF:Nss1,(M0):Ntx4:5745	Pass	2.22	7.88	11.11	28.12	2.14	3.40	3.44	2.95
5.8G;VHT20,BF:Nss1,(M0):Ntx4:5785	Pass	2.22	7.88	9.68	28.12	0.91	1.93	1.95	1.79
5.8G;VHT20,BF:Nss1,(M0):Ntx4:5825	Pass	2.22	7.88	11.11	28.12	2.31	3.37	3.00	3.10
5.2G;VHT40,BF:Nss1,(M0):Ntx4:5190	Pass	0.00	7.91	5.29	15.09	-0.18	-0.06	-0.82	-1.20
5.2G;VHT40,BF:Nss1,(M0):Ntx4:5230	Pass	0.00	7.91	7.78	15.09	2.43	1.88	1.50	1.55
5.8G;VHT40,BF:Nss1,(M0):Ntx4:5755	Pass	2.22	7.88	7.73	28.12	-0.99	0.05	0.19	-0.17
5.8G;VHT40,BF:Nss1,(M0):Ntx4:5795	Pass	2.22	7.88	6.80	28.12	-2.14	-1.16	-0.92	-1.13
5.2G;VHT80,BF:Nss1,(M0):Ntx4:5210	Pass	0.00	7.91	-4.14	15.09	-10.14	-9.43	-10.31	-9.29
5.8G;VHT80,BF:Nss1,(M0):Ntx4:5775	Pass	2.22	7.88	3.99	28.12	-4.77	-3.59	-3.72	-3.86







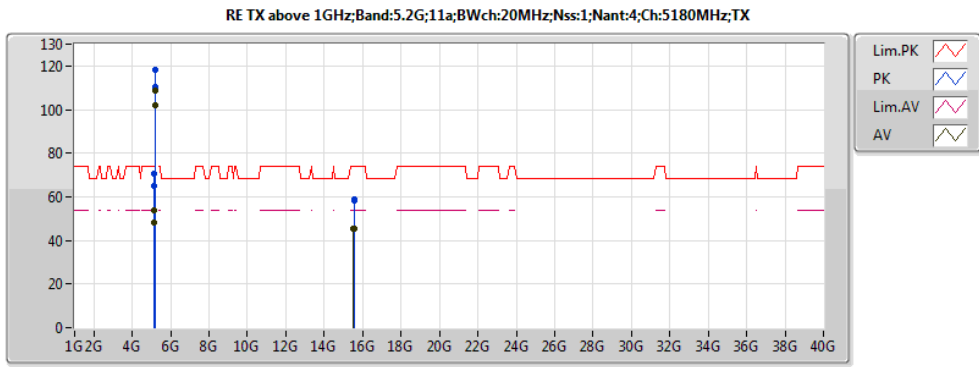




Summary

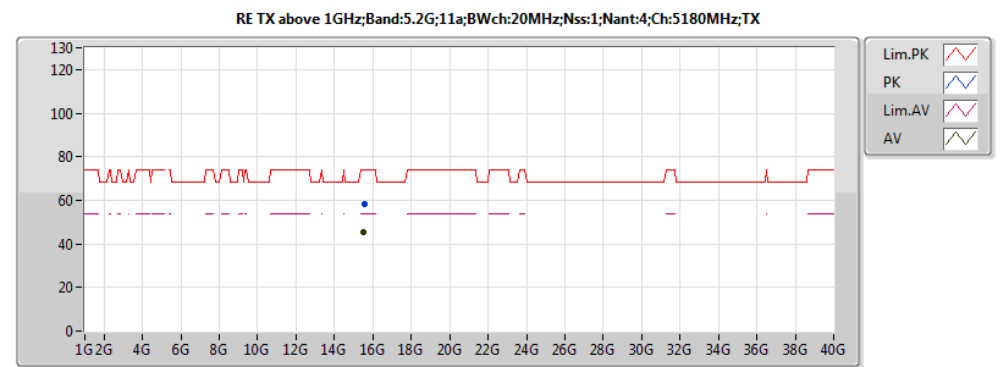
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
5.8G;VHT80;Nss1,(M0);Ntx4;5775	Pass	PK	5.648G	68.10	68.20	-0.10	4.98	3	H	283	1.14	-





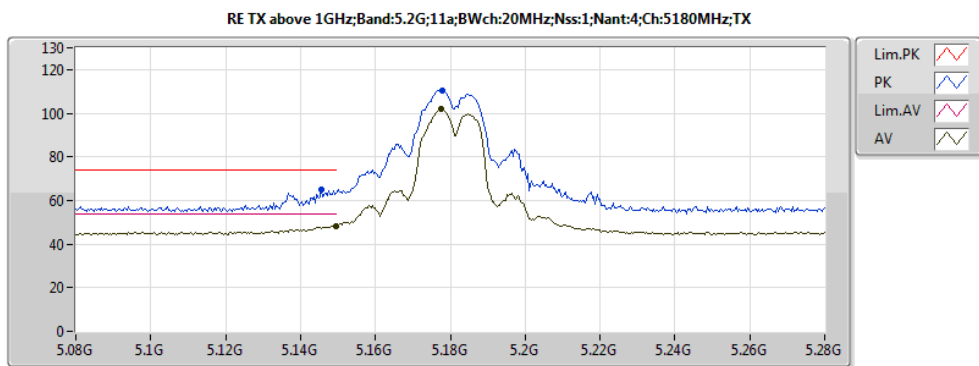
20161128  
EUT Z 4TX NON TXBF  
setting 19  
驗證 sample 1  
01-5-5-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.148G	53.89	54.00	-0.11	3.90	3	H	223	2.28	-
AV	5.1792G	108.50	Inf	-Inf	3.96	3	H	223	2.28	-
PK	5.1392G	70.72	74.00	-3.28	3.88	3	H	223	2.28	-
PK	5.1796G	118.26	Inf	-Inf	3.96	3	H	223	2.28	-
AV	5.1496G	48.28	54.00	-5.72	3.90	3	V	0	2.46	-
AV	5.1776G	101.76	Inf	-Inf	3.96	3	V	0	2.46	-
PK	5.1456G	64.98	74.00	-9.02	3.89	3	V	0	2.46	-
PK	5.178G	110.63	Inf	-Inf	3.96	3	V	0	2.46	-
AV	15.53826G	45.51	54.00	-8.49	13.59	3	H	177	1.49	-
PK	15.54476G	58.70	74.00	-15.30	13.58	3	H	177	1.49	-
AV	15.53526G	45.59	54.00	-8.41	13.59	3	V	277	1.41	-
PK	15.54414G	58.55	74.00	-15.45	13.58	3	V	277	1.41	-



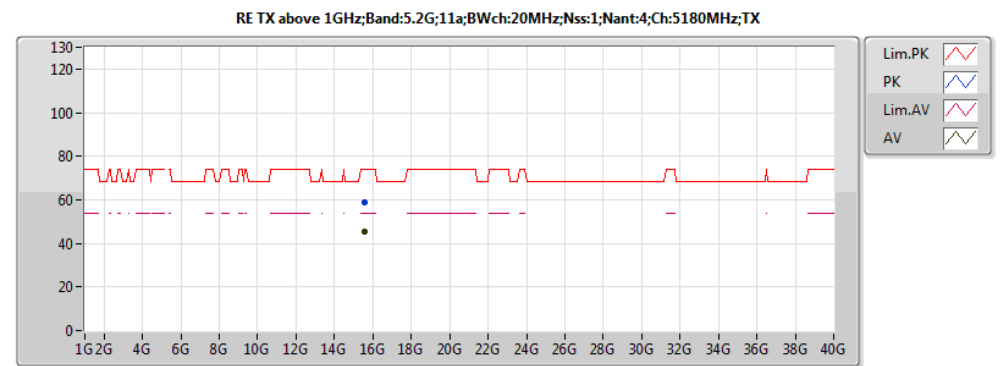
20161128  
EUT Z 4TX NON TXBF  
setting 19  
驗證 sample 1  
01-5-5

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.53526G	45.59	54.00	-8.41	13.59	3	V	277	1.41	-
PK	15.54414G	58.55	74.00	-15.45	13.58	3	V	277	1.41	-



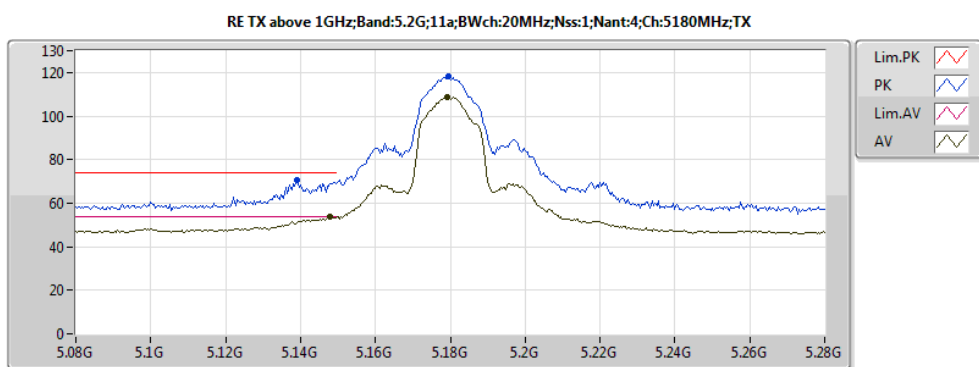
20161128  
EUT Z 4TX NON TXBF  
setting 19  
驗證 sample 1  
01-5-5-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1496G	48.28	54.00	-5.72	3.90	3	V	0	2.46	-
AV	5.1776G	101.76	Inf	-Inf	3.96	3	V	0	2.46	-
PK	5.1456G	64.98	74.00	-9.02	3.89	3	V	0	2.46	-
PK	5.178G	110.63	Inf	-Inf	3.96	3	V	0	2.46	-



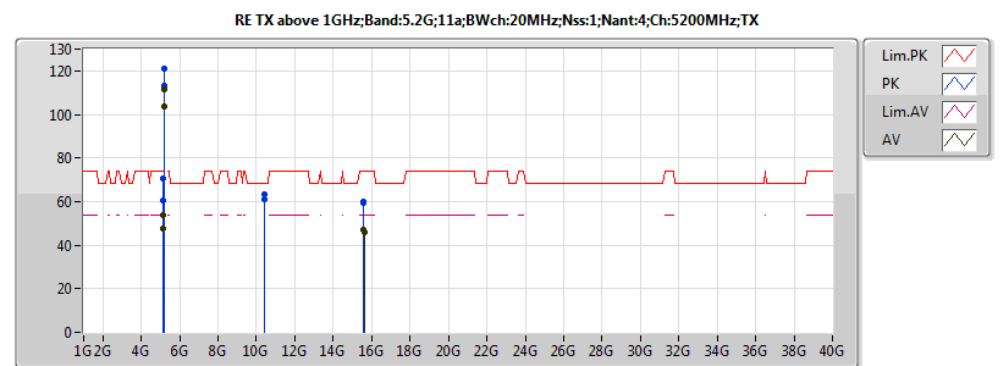
20161128  
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setting 19  
驗證 sample 1  
01-5-5

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.53826G	45.51	54.00	-8.49	13.59	3	H	177	1.49	-
PK	15.54476G	58.70	74.00	-15.30	13.58	3	H	177	1.49	-



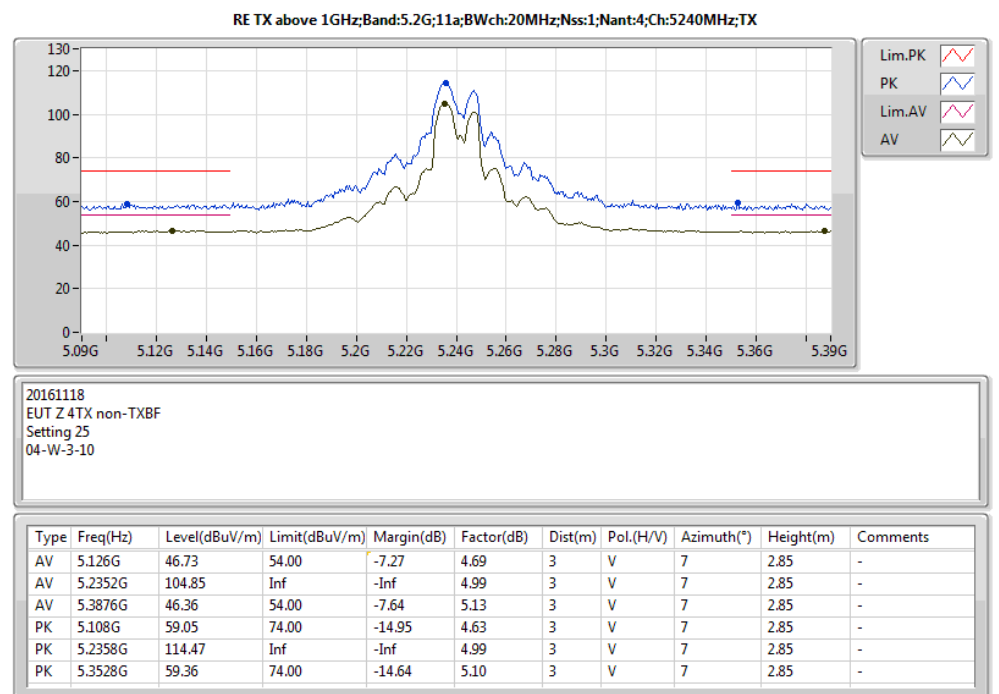
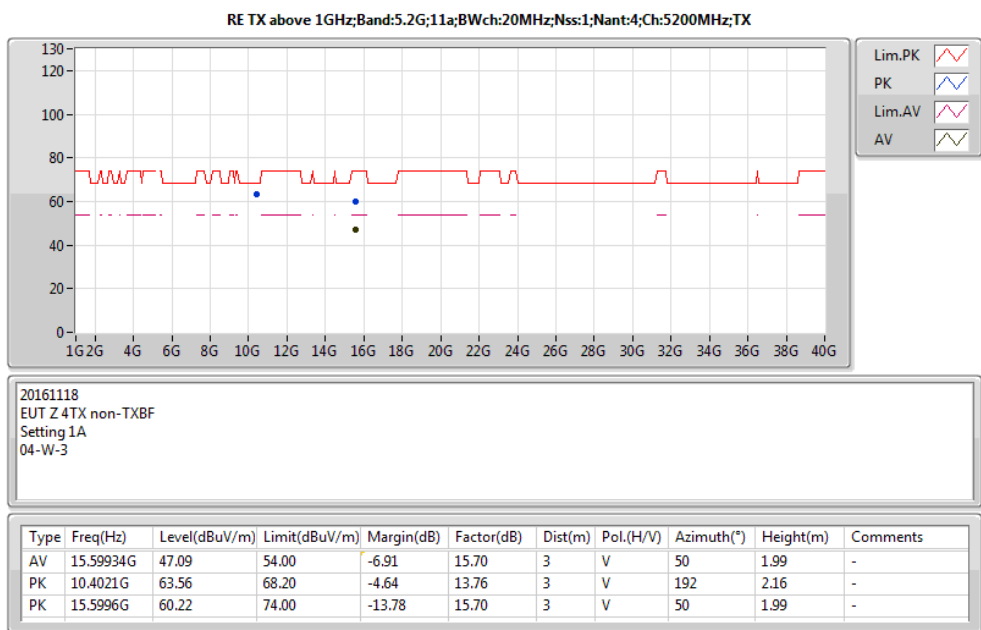
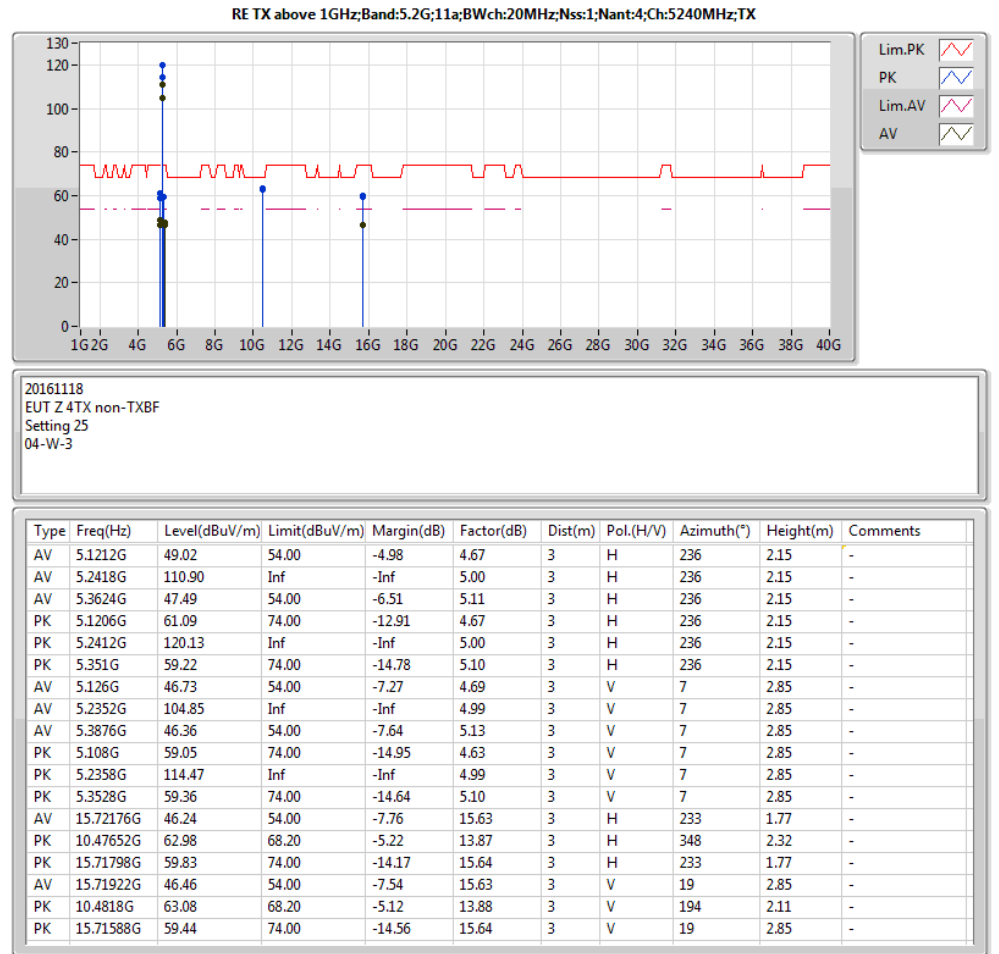
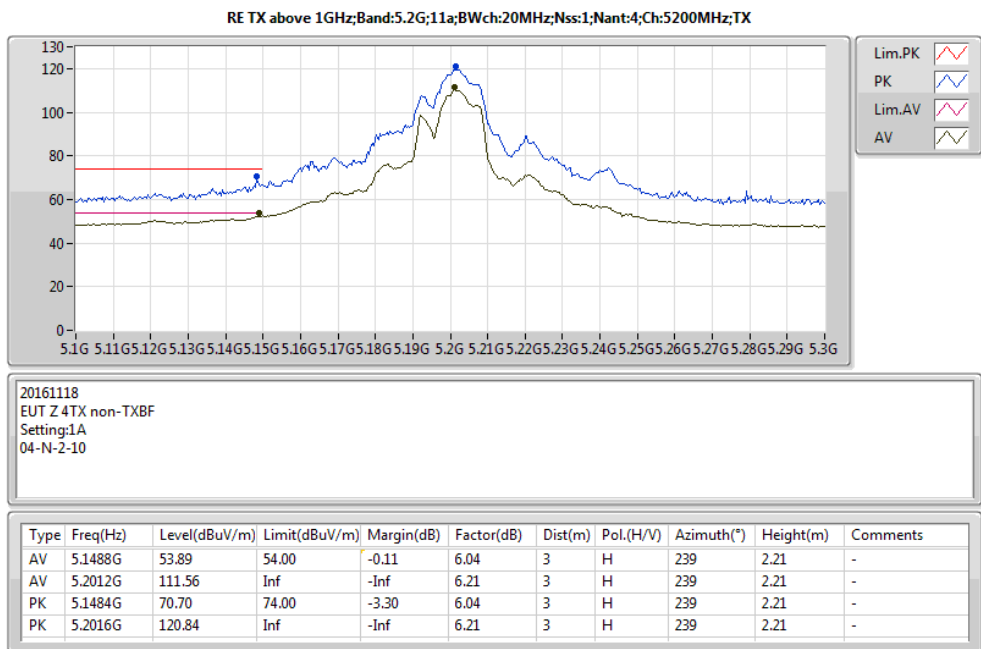
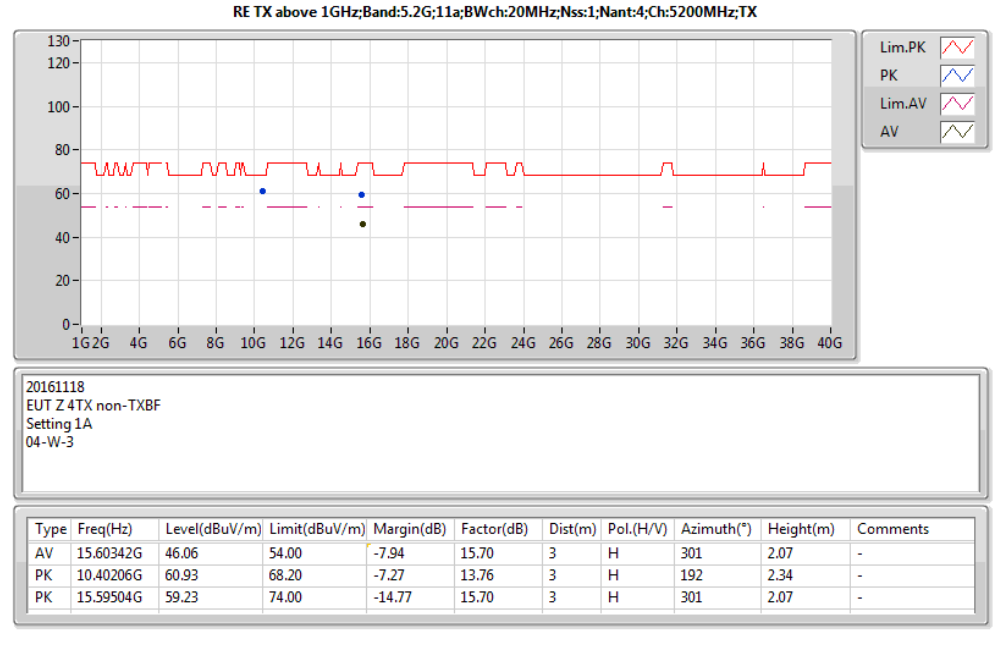
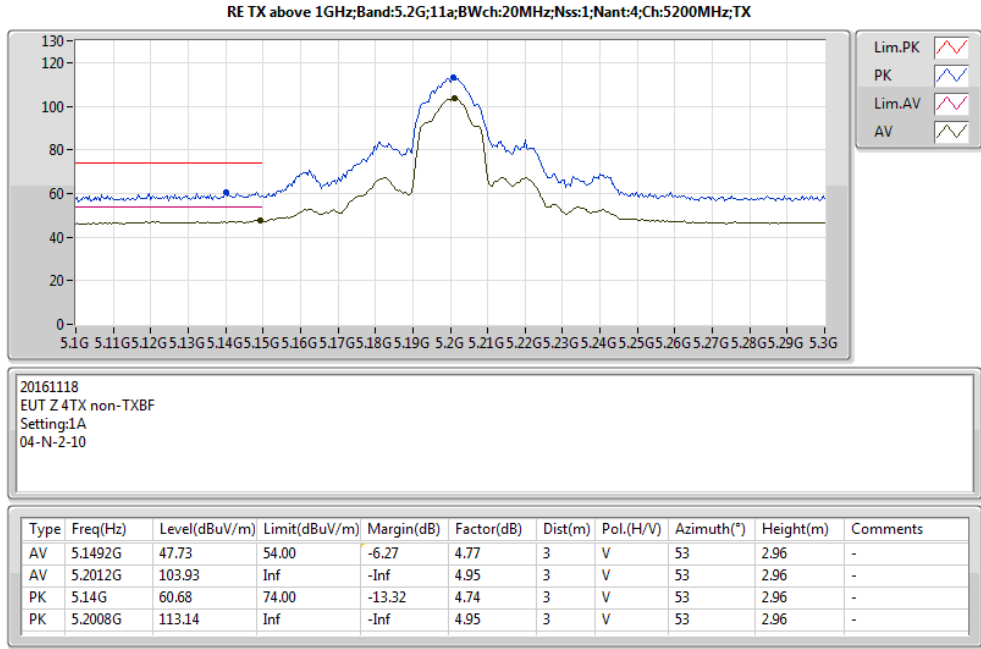
20161128  
EUT Z 4TX NON TXBF  
setting 19  
驗證 sample 1  
01-5-5-10

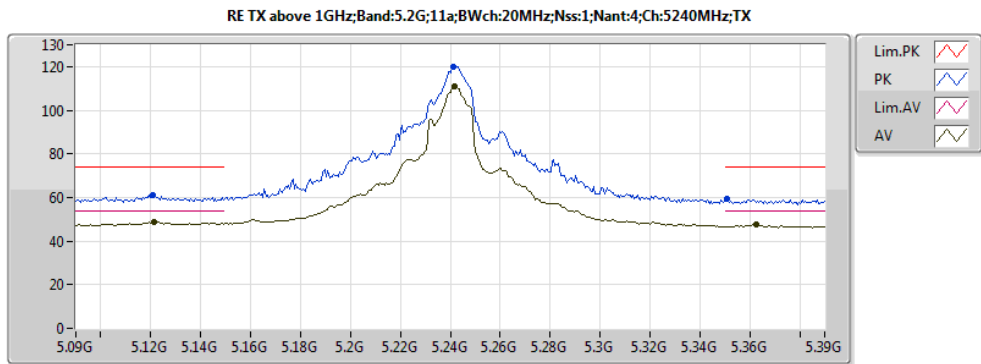
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.148G	53.89	54.00	-0.11	3.90	3	H	223	2.28	-
AV	5.1792G	108.50	Inf	-Inf	3.96	3	H	223	2.28	-
PK	5.1392G	70.72	74.00	-3.28	3.88	3	H	223	2.28	-
PK	5.1796G	118.26	Inf	-Inf	3.96	3	H	223	2.28	-



20161118  
EUT Z 4TX non-TXBF  
Setting 1A  
04-N-2  
04-W-3

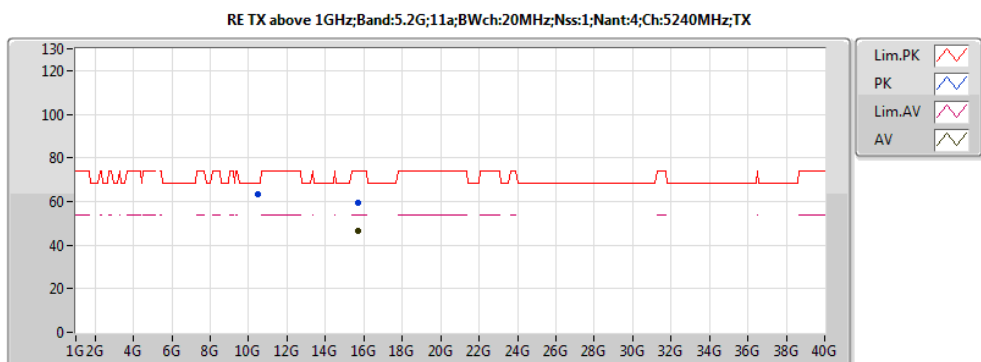
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1488G	53.89	54.00	-0.11	6.04	3	H	239	2.21	-
AV	5.2012G	111.56	Inf	-Inf	6.21	3	H	239	2.21	-
PK	5.1484G	70.70	74.00	-3.30	6.04	3	H	239	2.21	-
PK	5.2016G	120.84	Inf	-Inf	6.21	3	H	239	2.21	-
AV	5.1492G	47.73	54.00	-6.27	4.77	3	V	53	2.96	-
AV	5.2012G	103.93	Inf	-Inf	4.95	3	V	53	2.96	-
PK	5.14G	60.68	74.00	-13.32	4.74	3	V	53	2.96	-
PK	5.2008G	113.14	Inf	-Inf	4.95	3	V	53	2.96	-
AV	15.60342G	46.06	54.00	-7.94	15.70	3	H	301	2.07	-
PK	10.40206G	60.93	68.20	-7.27	13.76	3	H	192	2.34	-
PK	15.5904G	59.23	74.00	-14.77	15.70	3	H	301	2.07	-
AV	15.59934G	47.09	54.00	-6.91	15.70	3	V	50	1.99	-
PK	10.4021G	63.56	68.20	-4.64	13.76	3	V	192	2.16	-
PK	15.5996G	60.22	74.00	-13.78	15.70	3	V	50	1.99	-





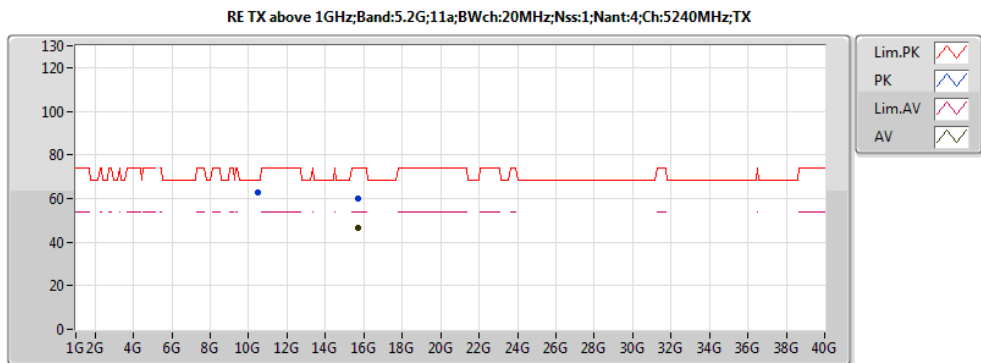
20161118  
EUT Z 4TX non-TXBF  
Setting 25  
04-W-3-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1212G	49.02	54.00	-4.98	4.67	3	H	236	2.15	-
AV	5.2418G	110.90	Inf	-Inf	5.00	3	H	236	2.15	-
AV	5.3624G	47.49	54.00	-6.51	5.11	3	H	236	2.15	-
PK	5.1206G	61.09	74.00	-12.91	4.67	3	H	236	2.15	-
PK	5.2412G	120.13	Inf	-Inf	5.00	3	H	236	2.15	-
PK	5.351G	59.22	74.00	-14.78	5.10	3	H	236	2.15	-



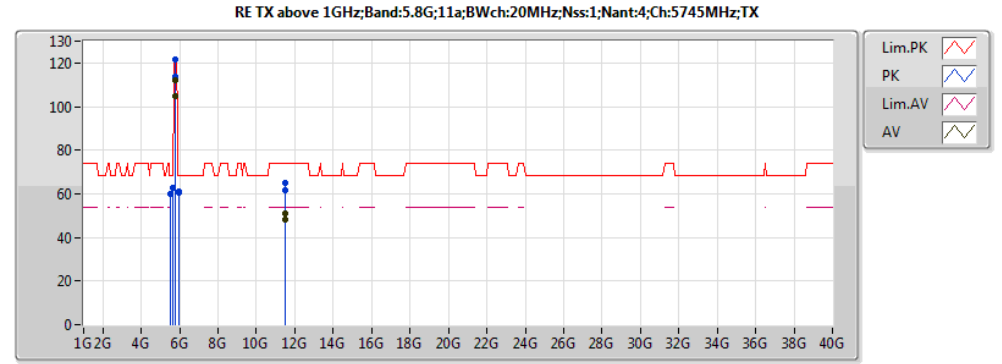
20161118  
EUT Z 4TX non-TXBF  
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Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.71922G	46.46	54.00	-7.54	15.63	3	V	19	2.85	-
PK	10.4818G	63.08	68.20	-5.12	13.88	3	V	194	2.11	-
PK	15.71588G	59.44	74.00	-14.56	15.64	3	V	19	2.85	-



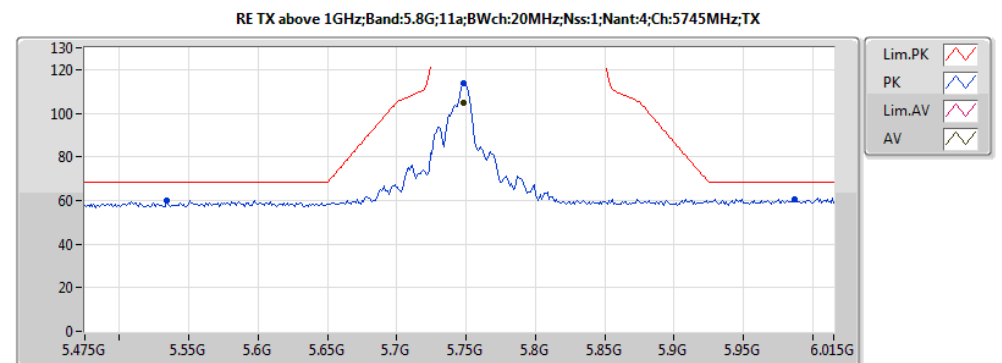
20161118  
EUT Z 4TX non-TXBF  
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Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.72176G	46.24	54.00	-7.76	15.63	3	H	233	1.77	-
PK	10.47652G	62.98	68.20	-5.22	13.87	3	H	348	2.32	-
PK	15.71798G	59.83	74.00	-14.17	15.64	3	H	233	1.77	-



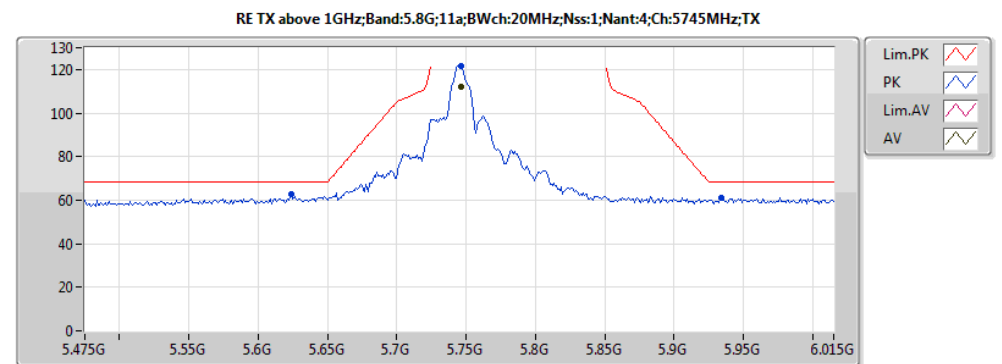
20161118  
EUT Z 4TX non-TXBF  
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Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.74608G	112.08	Inf	-Inf	6.33	3	H	234	2.06	-
PK	5.62404G	62.84	68.20	-5.36	6.18	3	H	234	2.06	-
PK	5.74608G	121.63	Inf	-Inf	6.33	3	H	234	2.06	-
PK	5.934G	61.22	68.20	-6.98	7.17	3	H	234	2.06	-
AV	5.74824G	104.61	Inf	-Inf	6.33	3	V	242	2.10	-
PK	5.5344G	60.17	68.20	-8.03	5.79	3	V	242	2.10	-
PK	5.74824G	113.91	Inf	-Inf	6.33	3	V	242	2.10	-
PK	5.98692G	60.48	68.20	-7.72	7.47	3	V	242	2.10	-
AV	11.49388G	48.09	54.00	-5.91	14.75	3	H	8	1.86	-
PK	11.49508G	61.37	74.00	-12.63	14.75	3	H	8	1.86	-
AV	11.49128G	51.11	54.00	-2.89	14.75	3	V	1	1.76	-
PK	11.49208G	65.26	74.00	-8.74	14.75	3	V	1	1.76	-



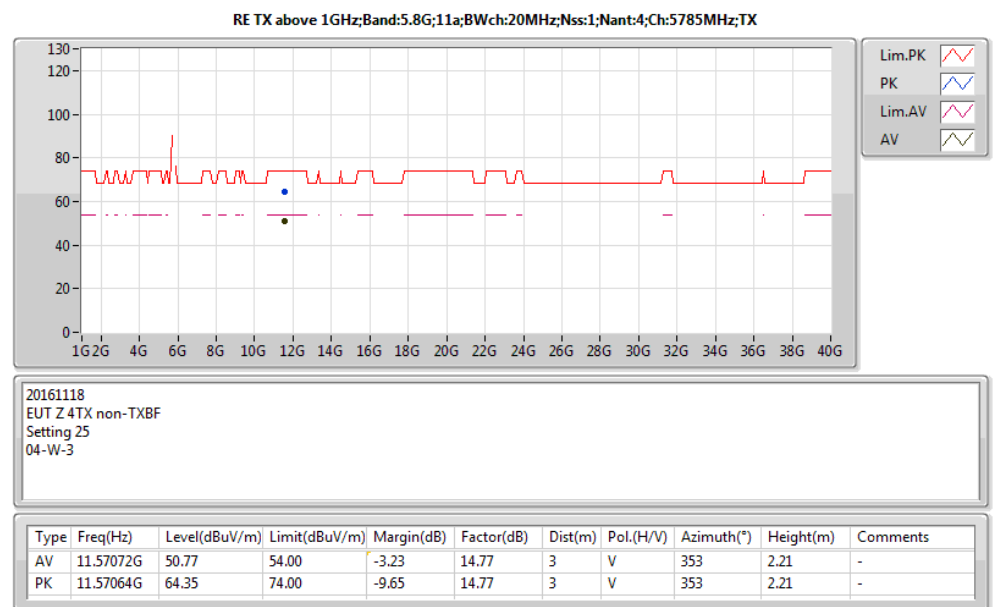
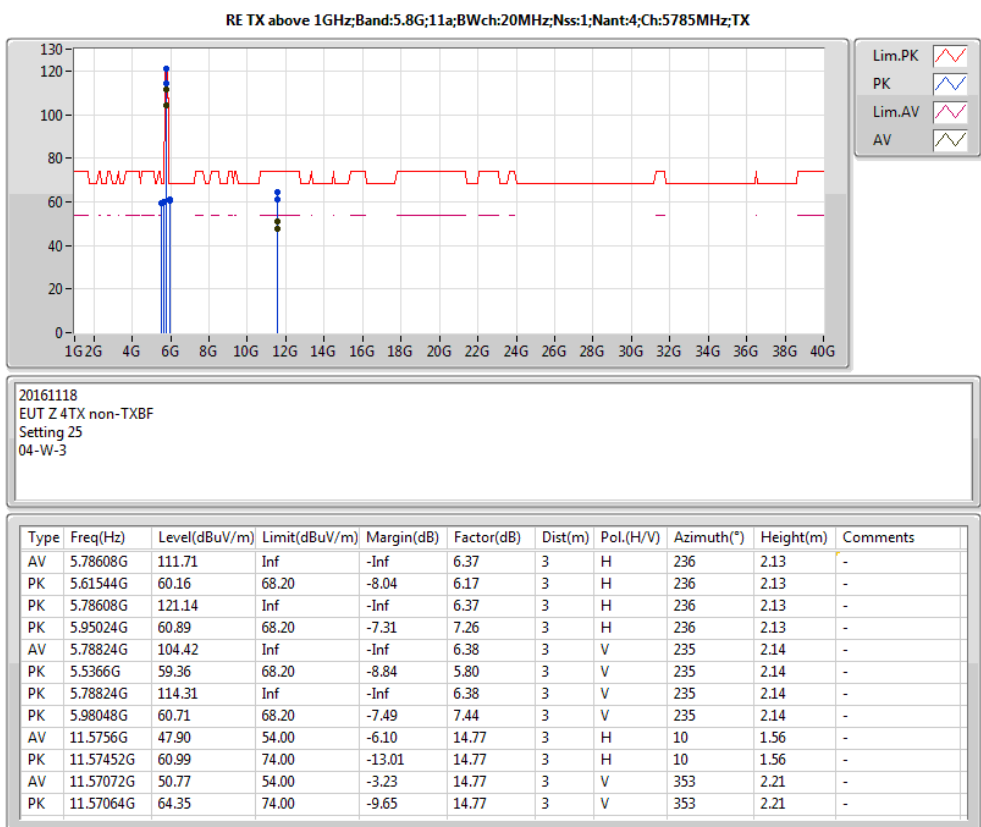
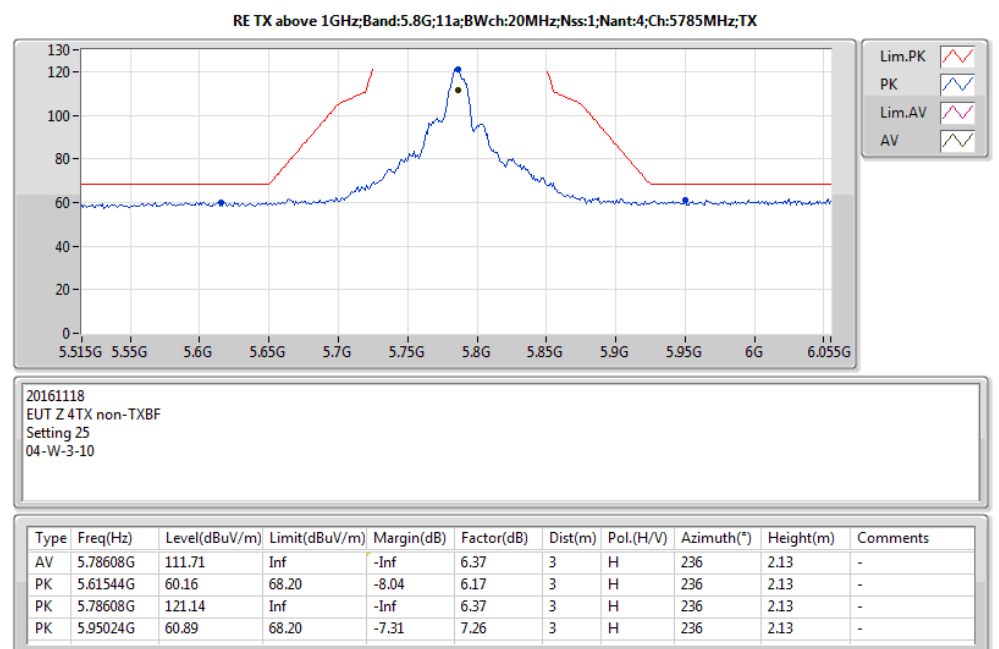
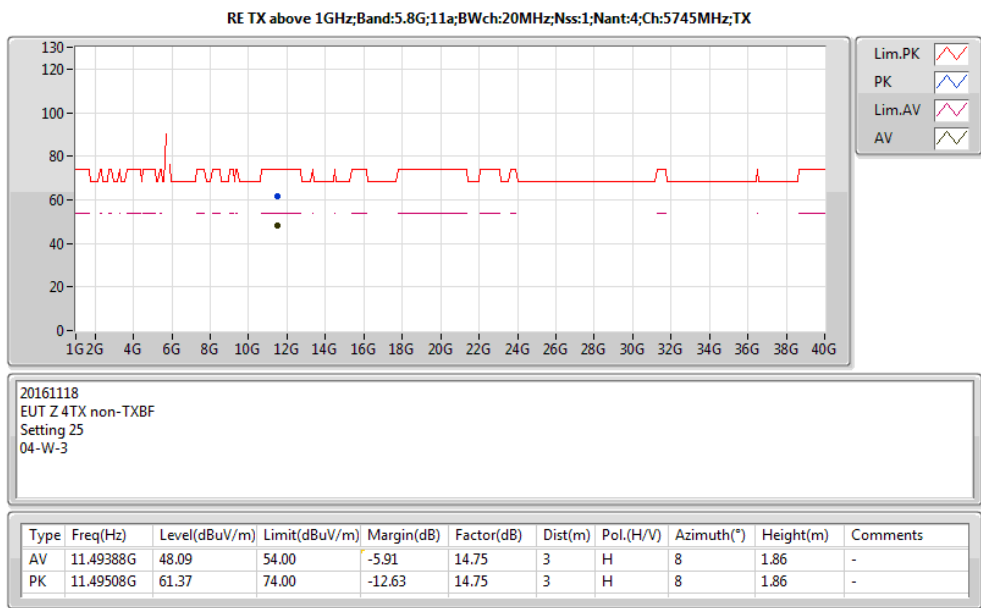
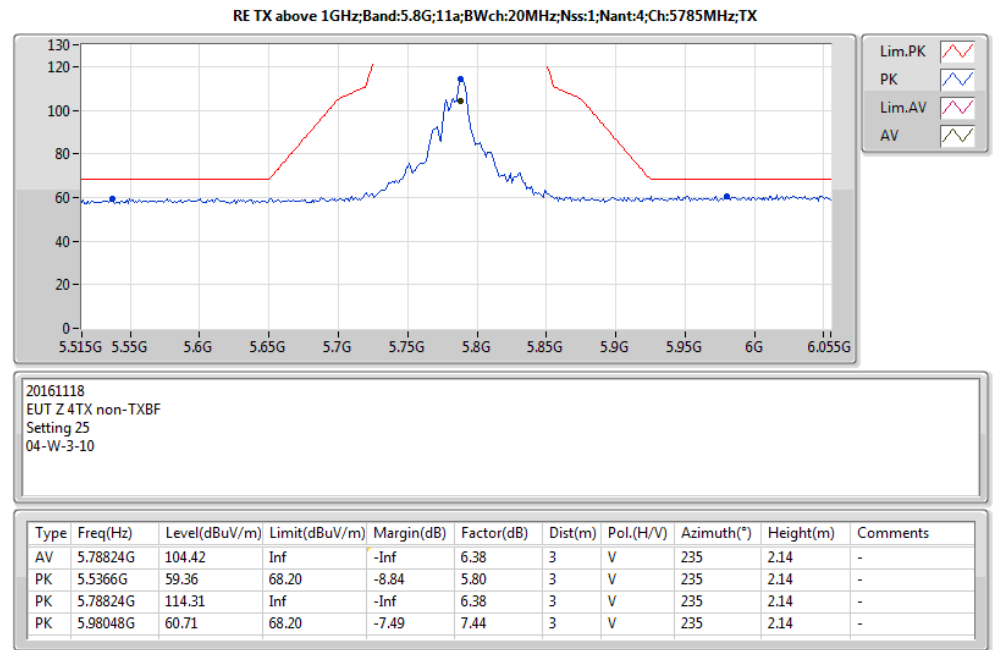
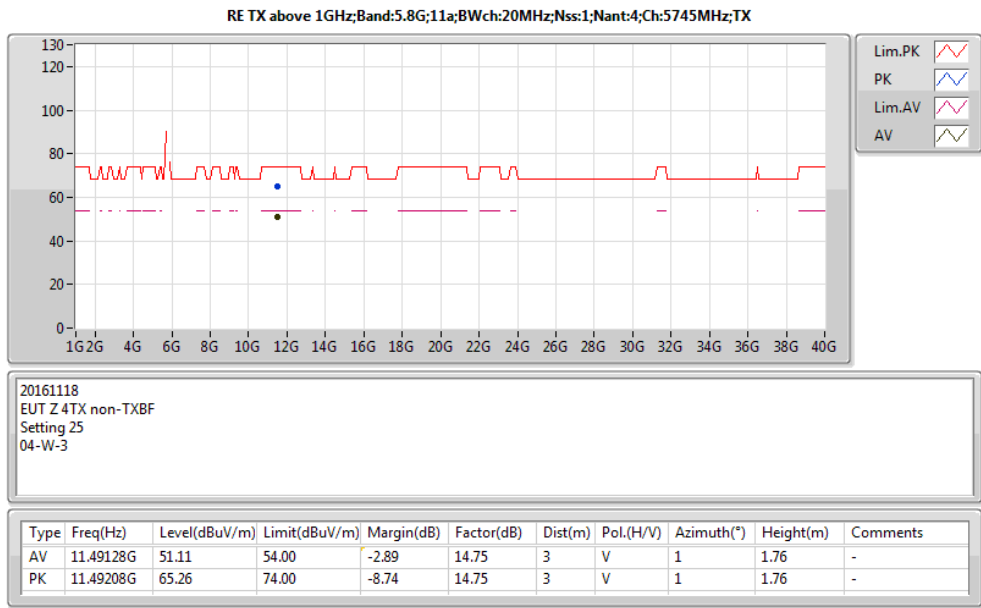
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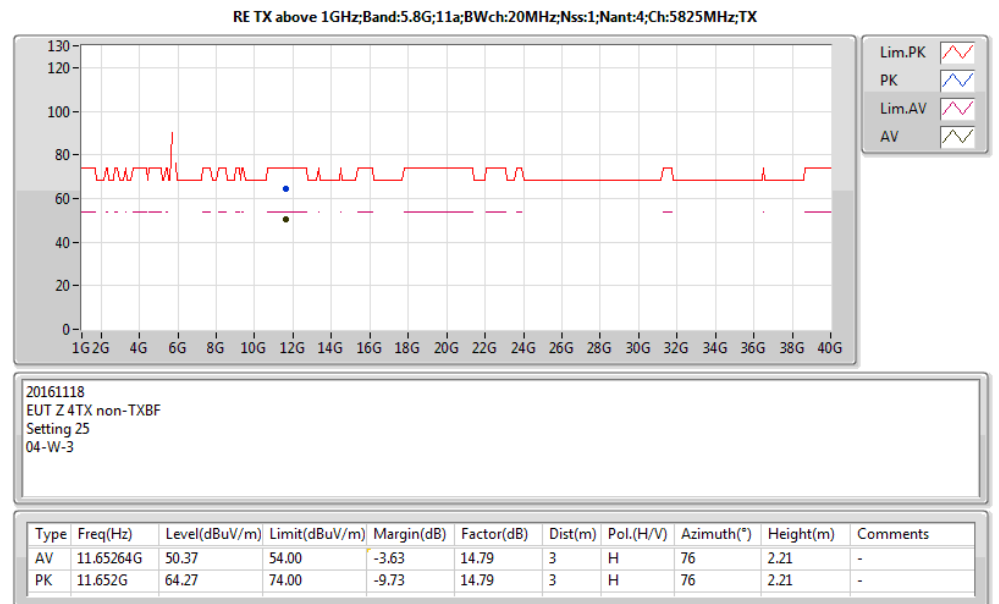
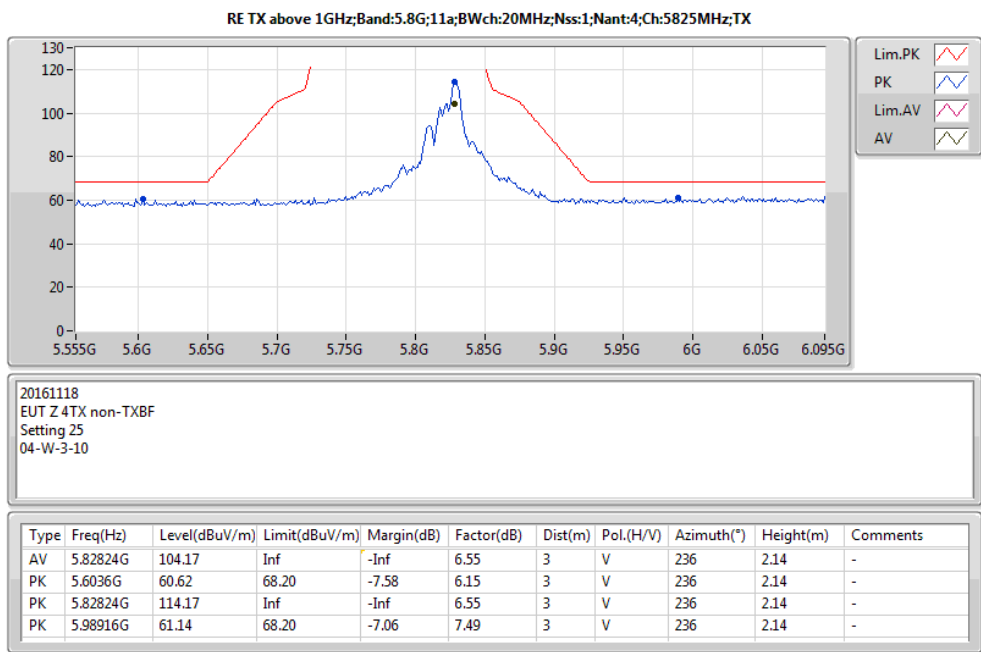
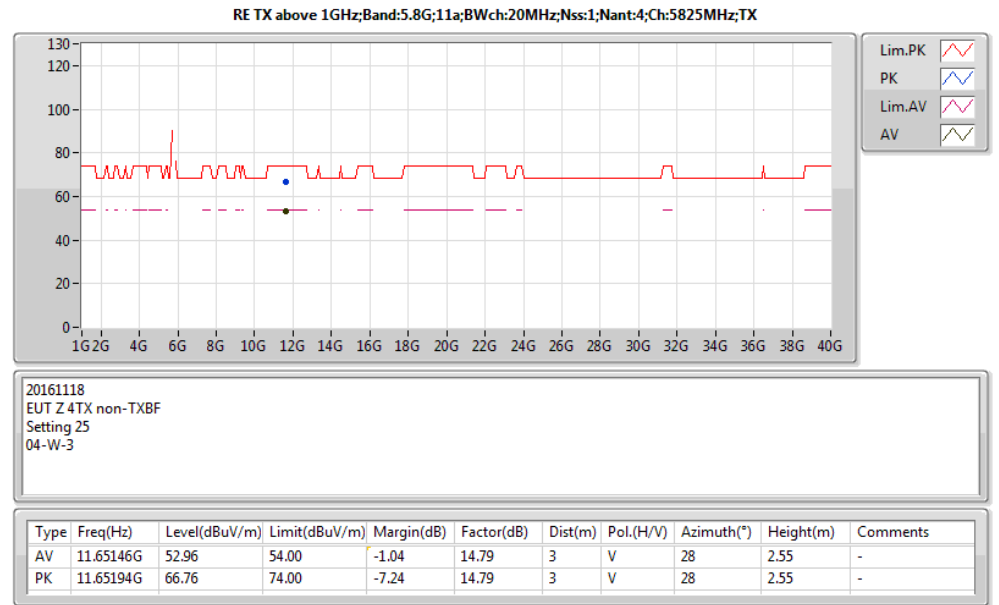
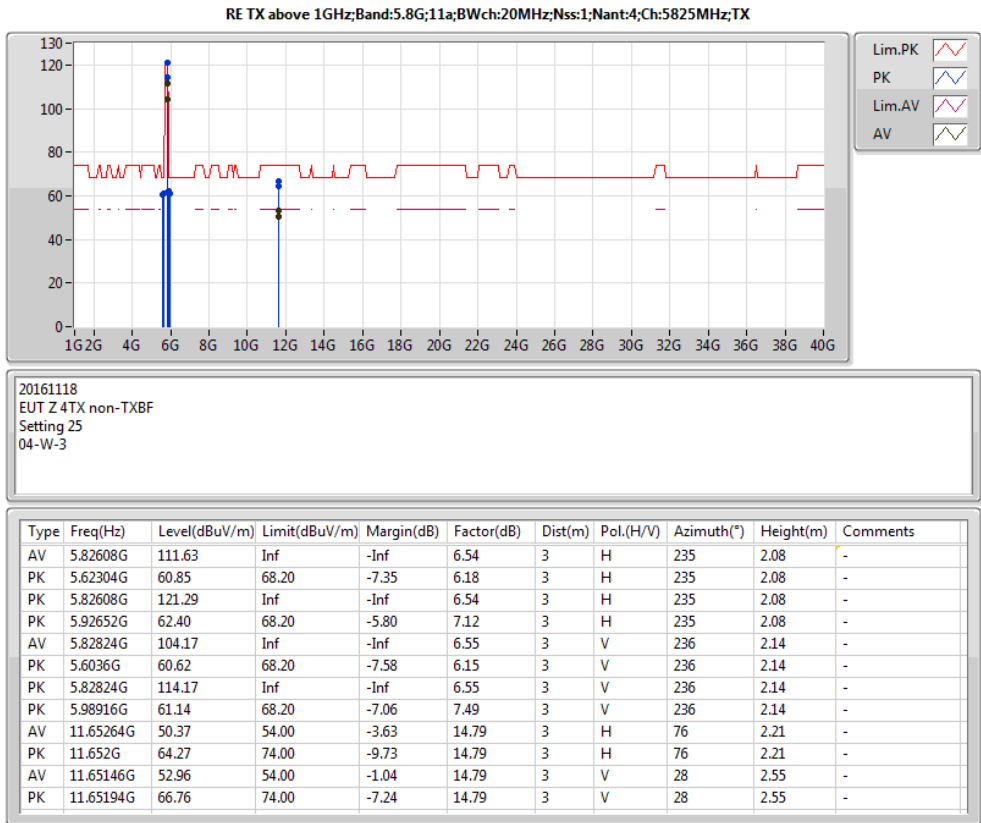
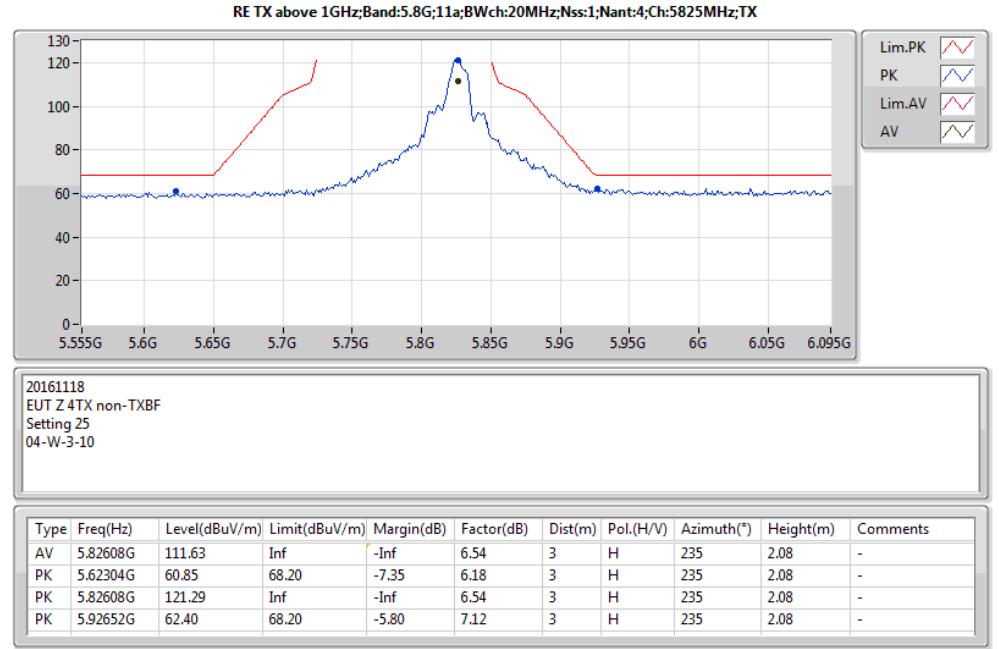
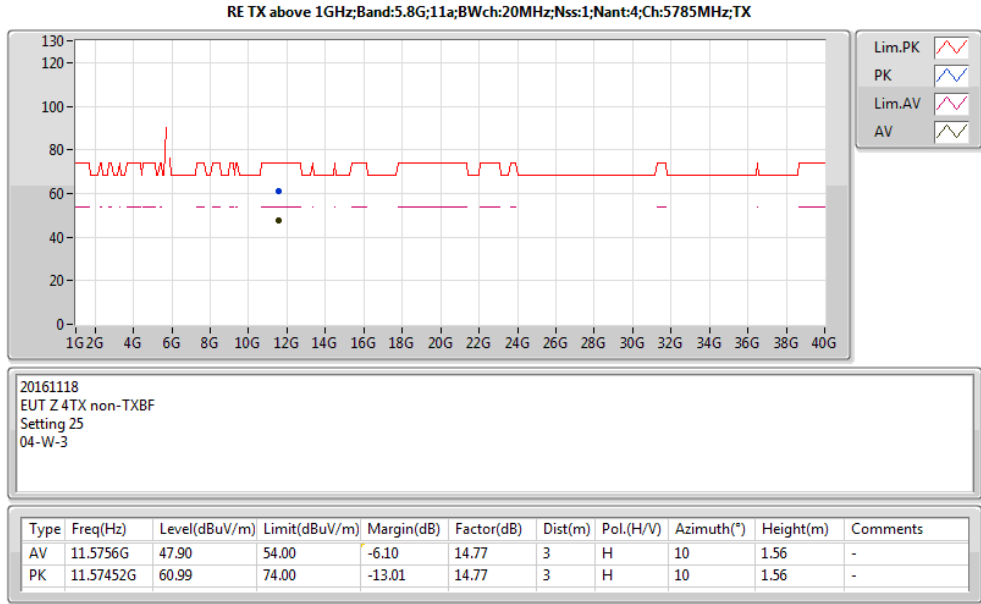
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.74824G	104.61	Inf	-Inf	6.33	3	V	242	2.10	-
PK	5.5344G	60.17	68.20	-8.03	5.79	3	V	242	2.10	-
PK	5.74824G	113.91	Inf	-Inf	6.33	3	V	242	2.10	-
PK	5.98692G	60.48	68.20	-7.72	7.47	3	V	242	2.10	-

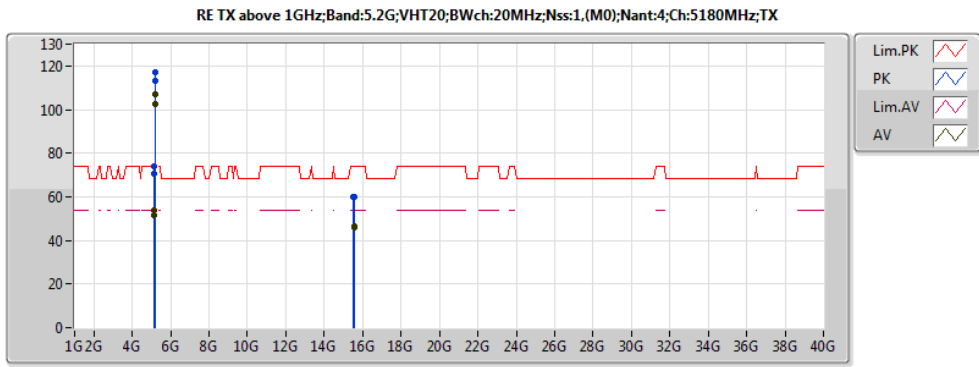


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Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.74608G	112.08	Inf	-Inf	6.33	3	H	234	2.06	-
PK	5.62404G	62.84	68.20	-5.36	6.18	3	H	234	2.06	-
PK	5.74608G	121.63	Inf	-Inf	6.33	3	H	234	2.06	-
PK	5.934G	61.22	68.20	-6.98	7.17	3	H	234	2.06	-

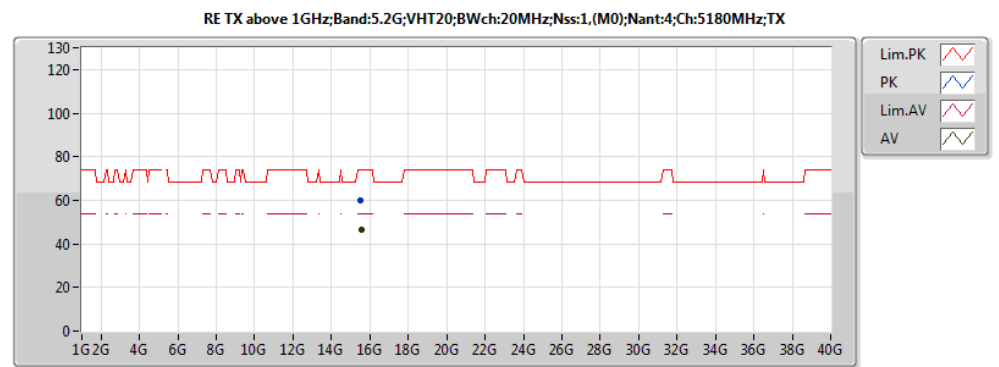






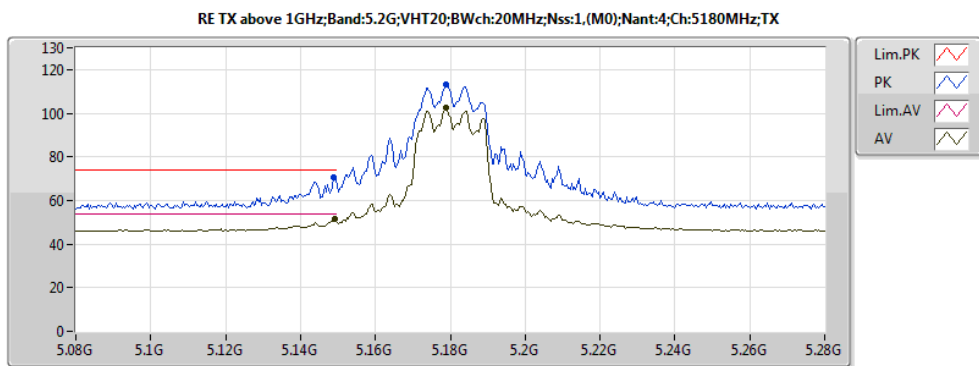
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EUT Z 4TX non-TXBF  
Setting 16  
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Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1484G	53.97	54.00	-0.03	4.77	3	H	239	2.23	-
AV	5.1808G	107.04	Inf	-Inf	4.88	3	H	239	2.23	-
PK	5.146G	73.95	74.00	-0.05	4.76	3	H	239	2.23	-
PK	5.1808G	117.26	Inf	-Inf	4.88	3	H	239	2.23	-
AV	5.1492G	51.70	54.00	-2.30	4.77	3	V	14	2.92	-
AV	5.1788G	102.79	Inf	-Inf	4.88	3	V	14	2.92	-
PK	5.1488G	70.62	74.00	-3.38	4.77	3	V	14	2.92	-
PK	5.1788G	113.27	Inf	-Inf	4.88	3	V	14	2.92	-
AV	15.54066G	46.13	54.00	-7.87	15.73	3	H	159	1.67	-
PK	15.54474G	60.09	74.00	-13.91	15.73	3	H	159	1.67	-
AV	15.54376G	46.33	54.00	-7.67	15.73	3	V	236	1.20	-
PK	15.53694G	59.88	74.00	-14.12	15.73	3	V	236	1.20	-



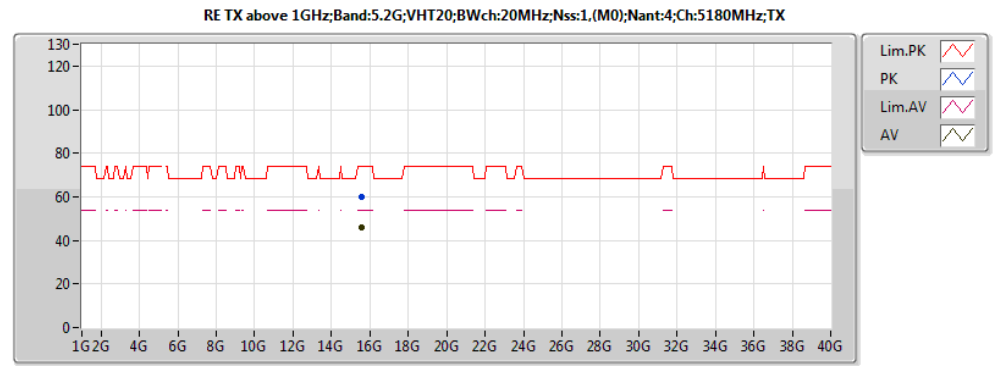
20161118  
EUT Z 4TX non-TXBF  
Setting 16  
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Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.54376G	46.33	54.00	-7.67	15.73	3	V	236	1.20	-
PK	15.53694G	59.88	74.00	-14.12	15.73	3	V	236	1.20	-



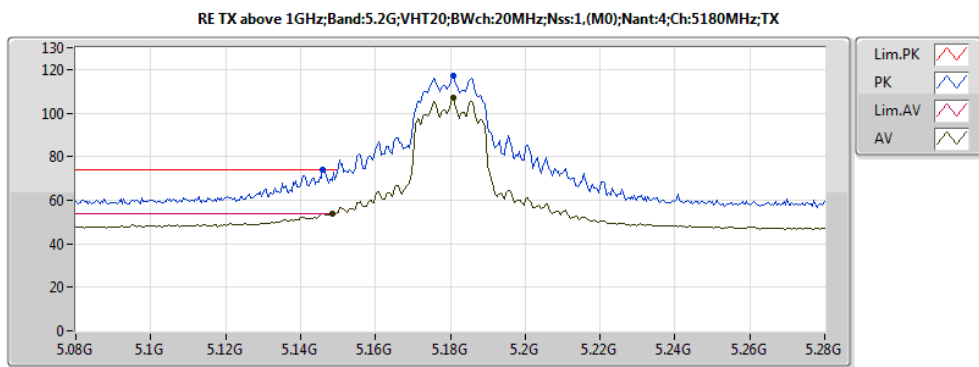
20161118  
EUT Z 4TX non-TXBF  
Setting 16  
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Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1492G	51.70	54.00	-2.30	4.77	3	V	14	2.92	-
AV	5.1788G	102.79	Inf	-Inf	4.88	3	V	14	2.92	-
PK	5.1488G	70.62	74.00	-3.38	4.77	3	V	14	2.92	-
PK	5.1788G	113.27	Inf	-Inf	4.88	3	V	14	2.92	-



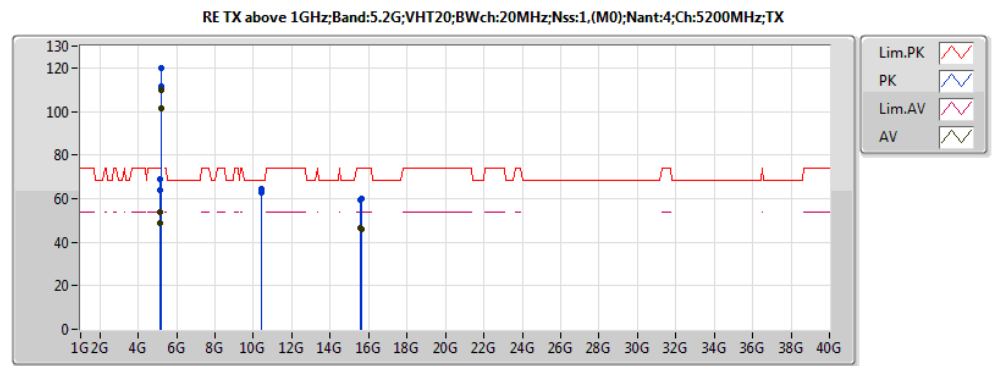
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EUT Z 4TX non-TXBF  
Setting 16  
04-W-3

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.54066G	46.13	54.00	-7.87	15.73	3	H	159	1.67	-
PK	15.54474G	60.09	74.00	-13.91	15.73	3	H	159	1.67	-



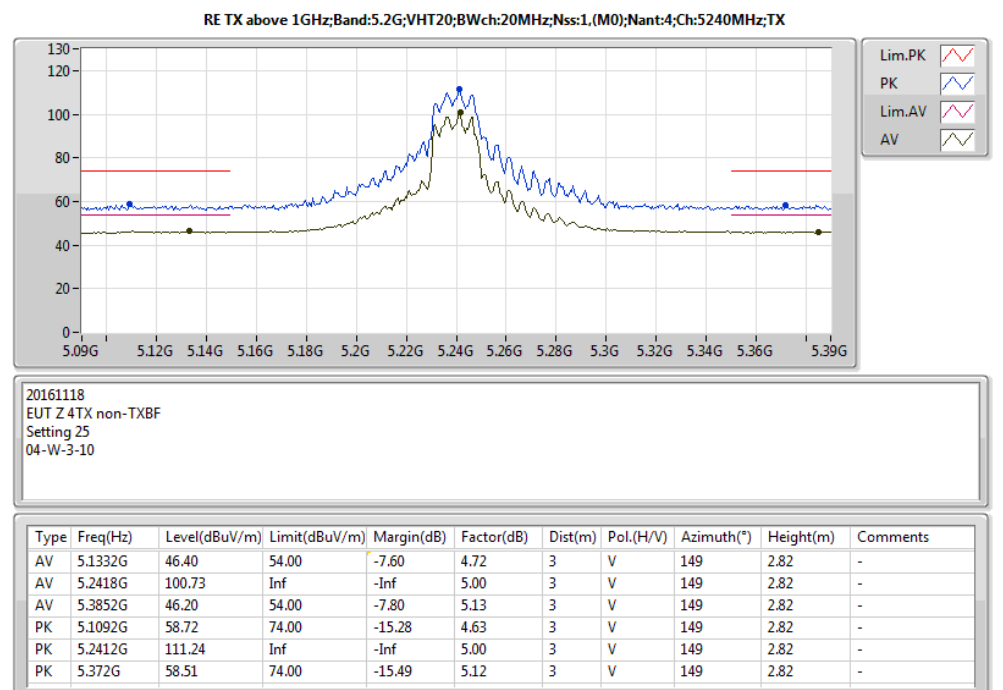
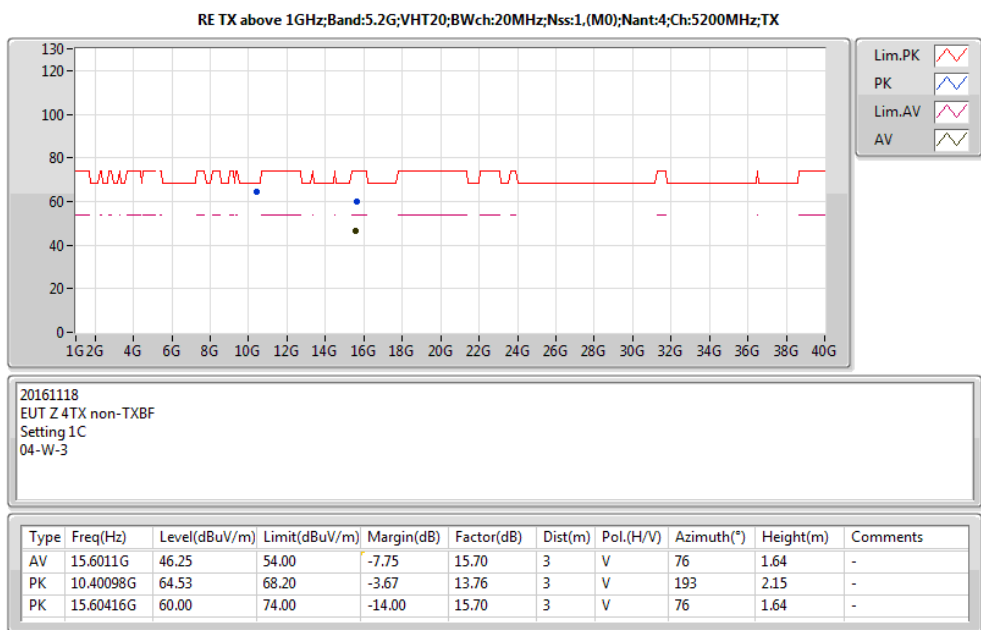
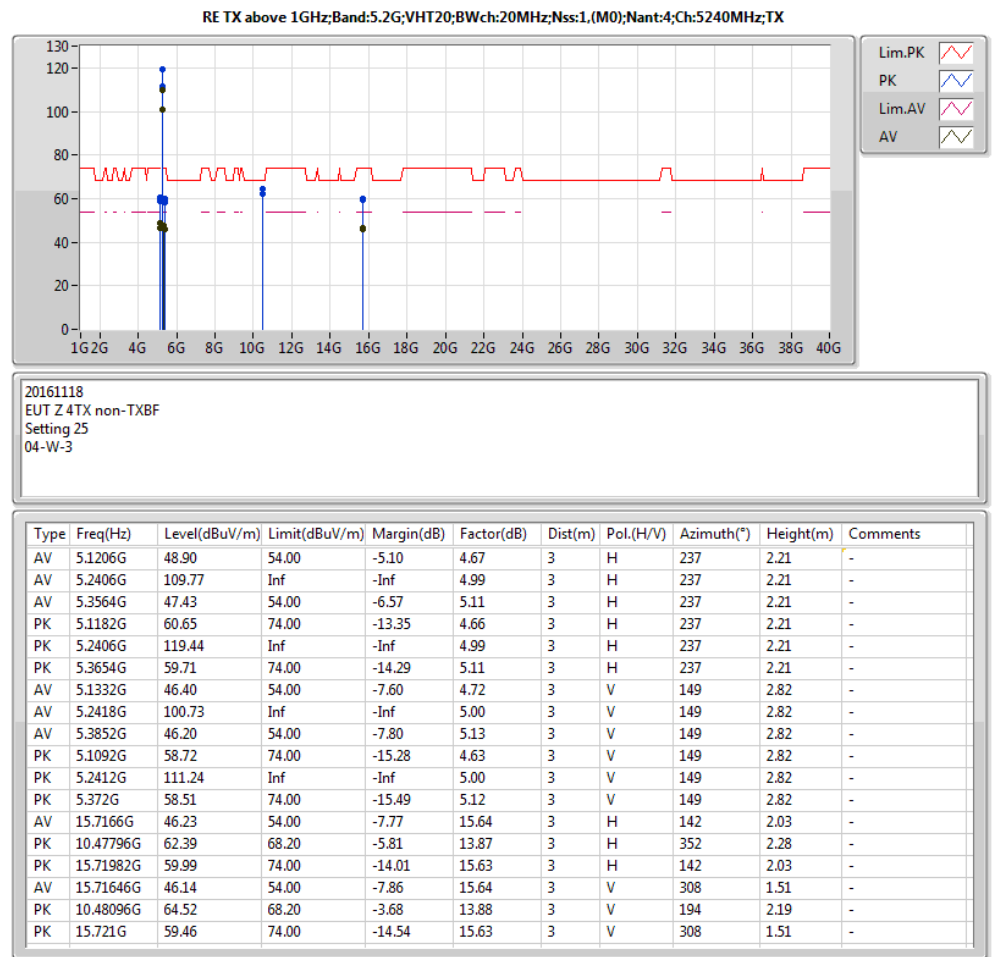
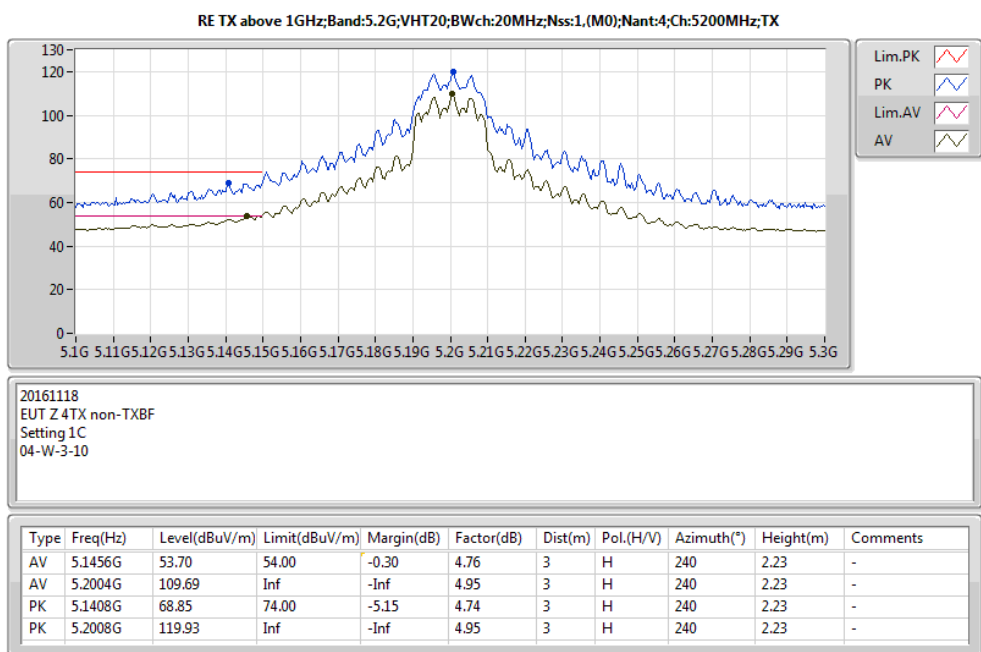
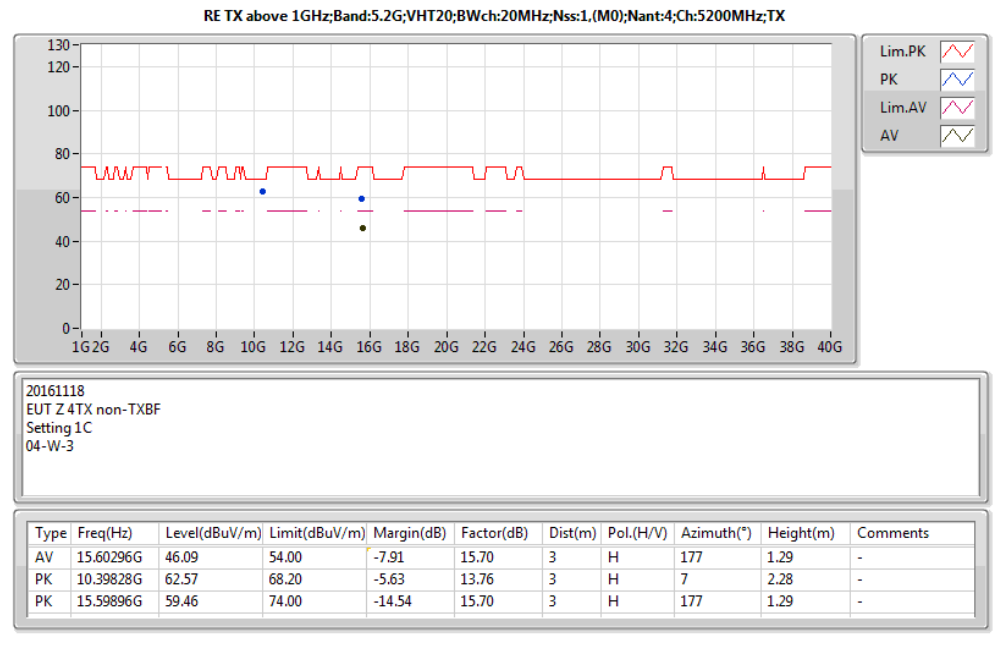
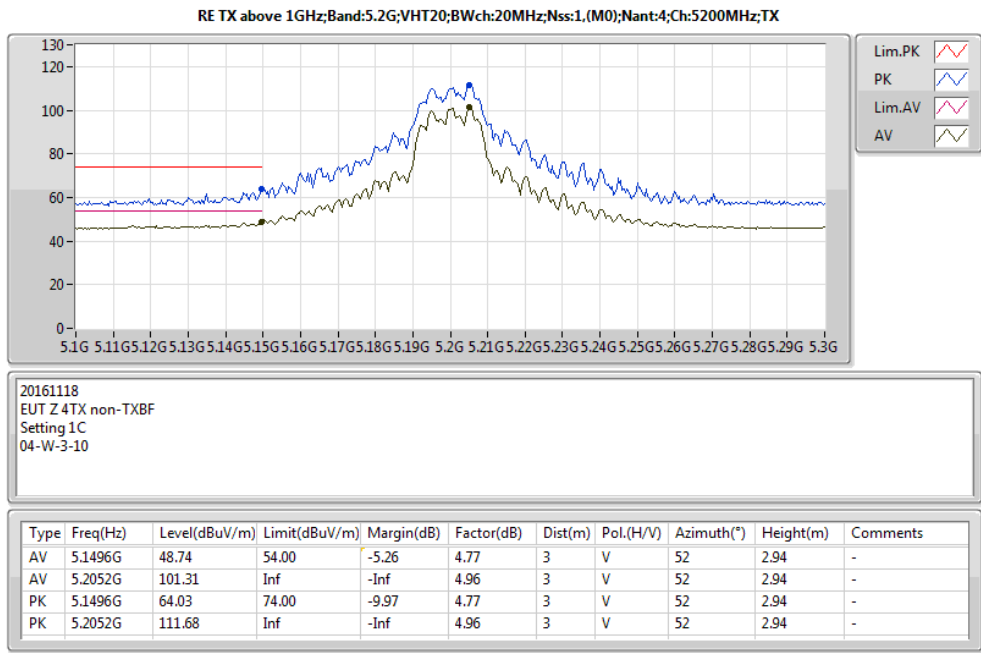
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EUT Z 4TX non-TXBF  
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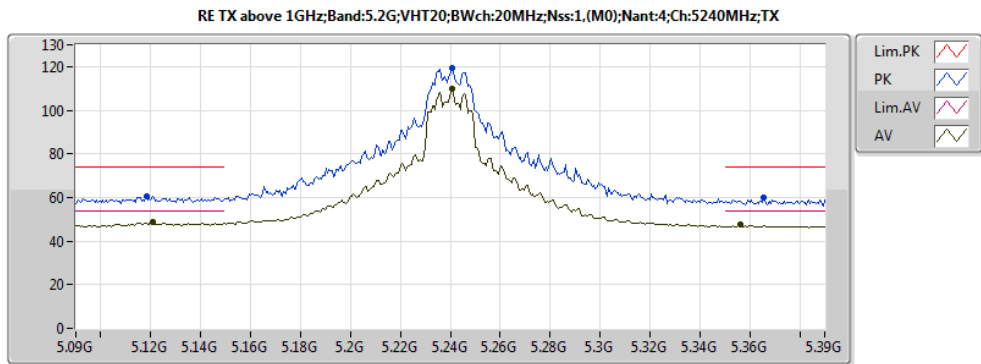
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1484G	53.97	54.00	-0.03	4.77	3	H	239	2.23	-
AV	5.1808G	107.04	Inf	-Inf	4.88	3	H	239	2.23	-
PK	5.146G	73.95	74.00	-0.05	4.76	3	H	239	2.23	-
PK	5.1808G	117.26	Inf	-Inf	4.88	3	H	239	2.23	-



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04-W-3

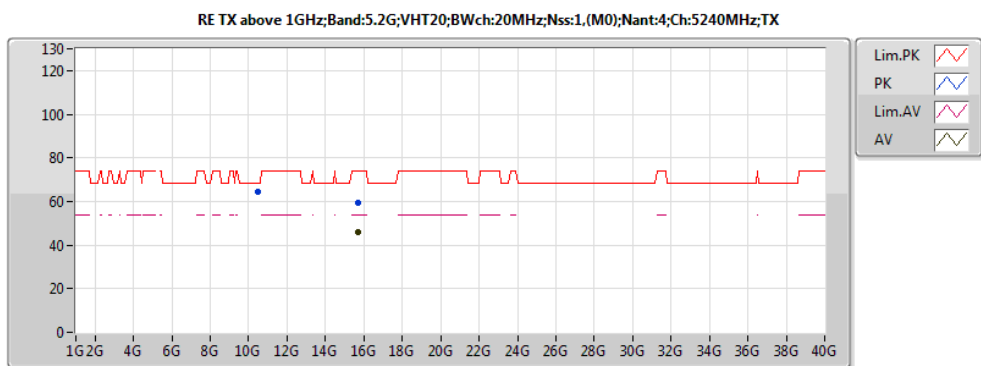
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1456G	53.70	54.00	-0.30	4.76	3	H	240	2.23	-
AV	5.2004G	109.69	Inf	-Inf	4.95	3	H	240	2.23	-
PK	5.1408G	68.85	74.00	-5.15	4.74	3	H	240	2.23	-
PK	5.2008G	119.93	Inf	-Inf	4.95	3	H	240	2.23	-
AV	5.1496G	48.74	54.00	-5.26	4.77	3	V	52	2.94	-
AV	5.2052G	101.31	Inf	-Inf	4.96	3	V	52	2.94	-
PK	5.1496G	64.03	74.00	-9.97	4.77	3	V	52	2.94	-
PK	5.2052G	111.68	Inf	-Inf	4.96	3	V	52	2.94	-
AV	15.60296G	46.09	54.00	-7.91	15.70	3	H	177	1.29	-
PK	10.39828G	62.57	68.20	-5.63	13.76	3	H	7	2.28	-
PK	15.59896G	59.46	74.00	-14.54	15.70	3	H	177	1.29	-
AV	15.6011G	46.25	54.00	-7.75	15.70	3	V	76	1.64	-
AV	10.40098G	64.53	68.20	-3.67	13.76	3	V	193	2.15	-
PK	15.60416G	60.00	74.00	-14.00	15.70	3	V	76	1.64	-





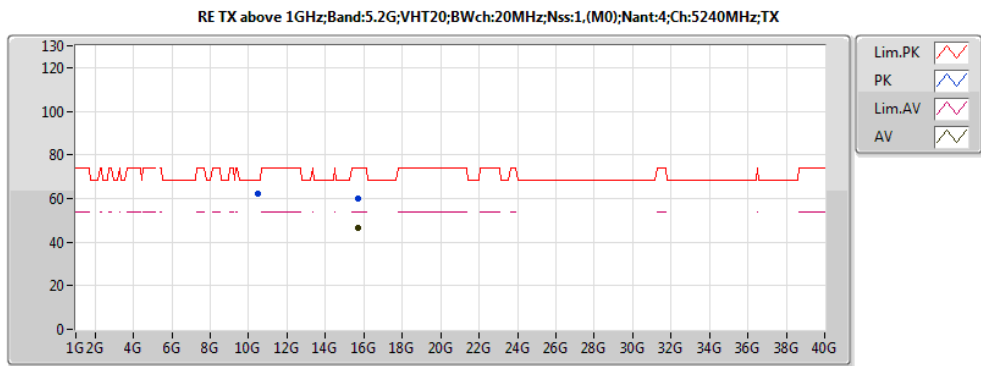
20161118  
EUT Z 4TX non-TXBF  
Setting 25  
04-W-3-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1206G	48.90	54.00	-5.10	4.67	3	H	237	2.21	-
AV	5.2406G	109.77	Inf	-Inf	4.99	3	H	237	2.21	-
AV	5.3564G	47.43	54.00	-6.57	5.11	3	H	237	2.21	-
PK	5.1182G	60.65	74.00	-13.35	4.66	3	H	237	2.21	-
PK	5.2406G	119.44	Inf	-Inf	4.99	3	H	237	2.21	-
PK	5.3654G	59.71	74.00	-14.29	5.11	3	H	237	2.21	-



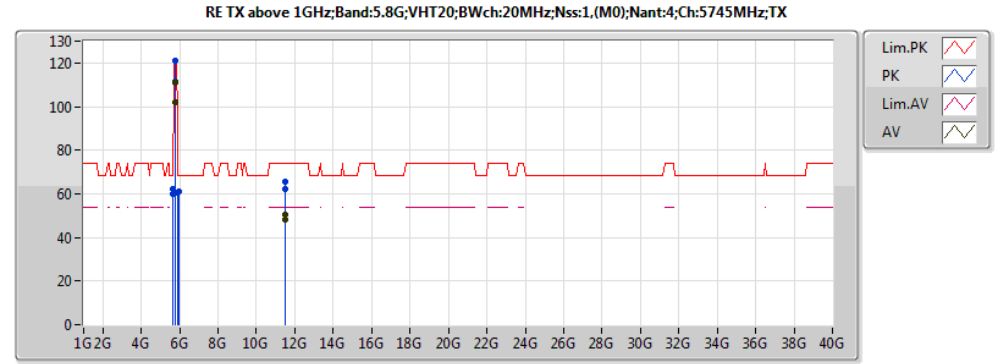
20161118  
EUT Z 4TX non-TXBF  
Setting 25  
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Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.71646G	46.14	54.00	-7.86	15.64	3	V	308	1.51	-
PK	10.48096G	64.52	68.20	-3.68	13.88	3	V	194	2.19	-
PK	15.721G	59.46	74.00	-14.54	15.63	3	V	308	1.51	-



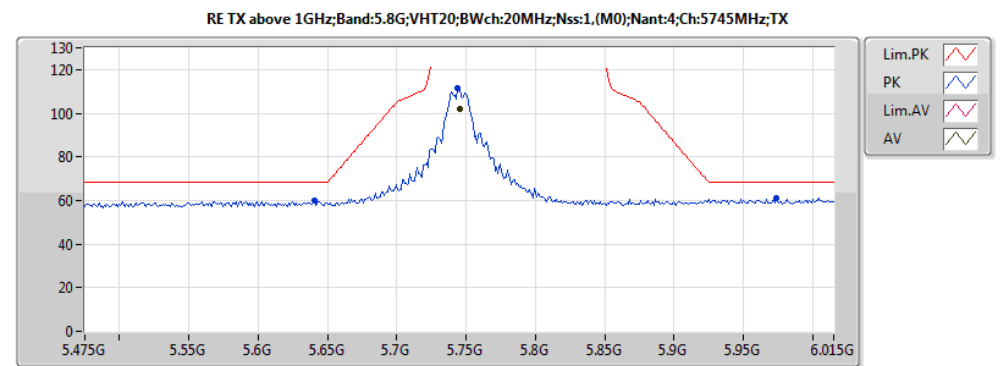
20161118  
EUT Z 4TX non-TXBF  
Setting 25  
04-W-3

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.7166G	46.23	54.00	-7.77	15.64	3	H	142	2.03	-
PK	10.47796G	62.39	68.20	-5.81	13.87	3	H	352	2.28	-
PK	15.71982G	59.99	74.00	-14.01	15.63	3	H	142	2.03	-



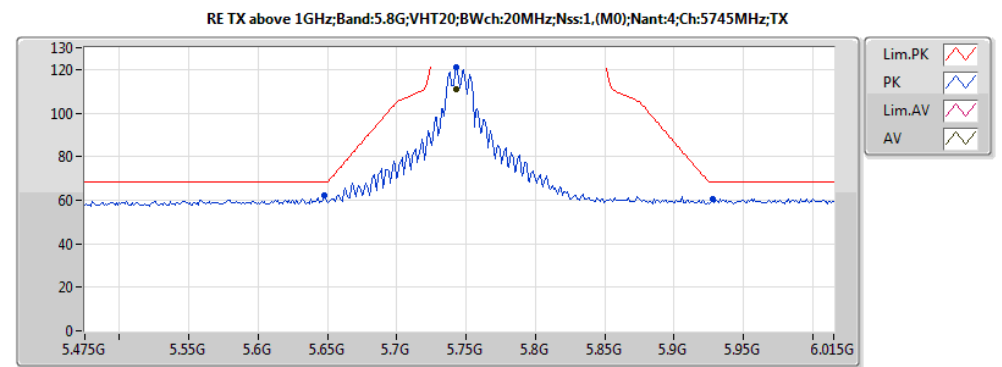
20161118  
EUT Z 4TX non-TXBF  
Setting 25  
04-W-3

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.74284G	111.17	Inf	-Inf	6.32	3	H	281	2.20	-
PK	5.6478G	62.28	68.20	-5.92	6.21	3	H	281	2.20	-
PK	5.74284G	121.28	Inf	-Inf	6.32	3	H	281	2.20	-
PK	5.92752G	60.65	68.20	-7.55	7.13	3	H	281	2.20	-
AV	5.745G	102.24	Inf	-Inf	6.32	3	V	150	1.35	-
PK	5.64024G	59.93	68.20	-8.27	6.20	3	V	150	1.35	-
PK	5.74392G	111.57	Inf	-Inf	6.32	3	V	150	1.35	-
PK	5.97396G	61.27	68.20	-6.93	7.40	3	V	150	1.35	-
AV	11.48834G	48.26	54.00	-5.74	14.75	3	H	10	1.81	-
PK	11.48808G	62.28	74.00	-11.72	14.75	3	H	10	1.81	-
AV	11.49026G	50.20	54.00	-3.80	14.75	3	V	358	1.84	-
PK	11.48552G	65.31	74.00	-8.69	14.75	3	V	358	1.84	-



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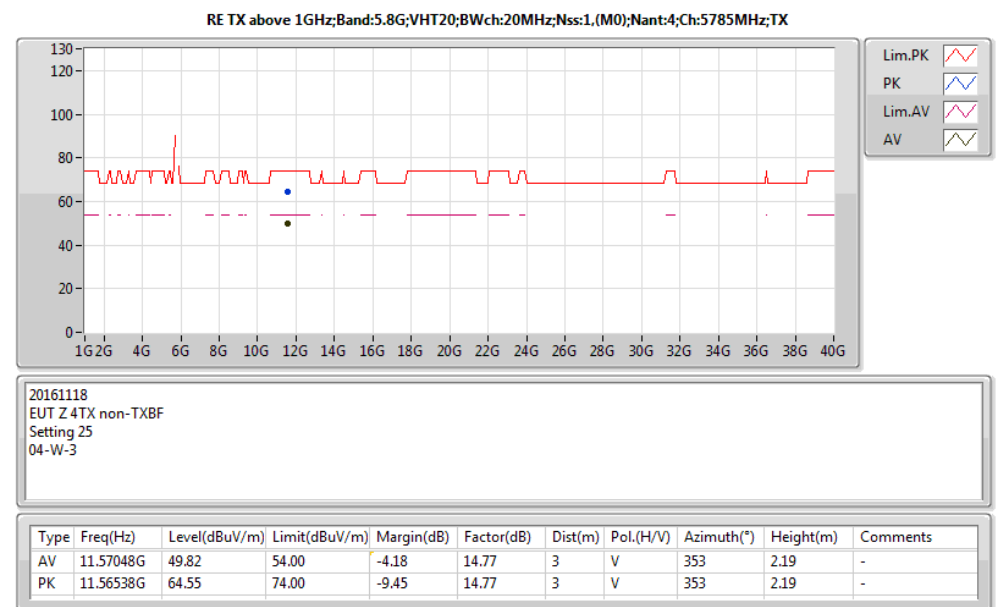
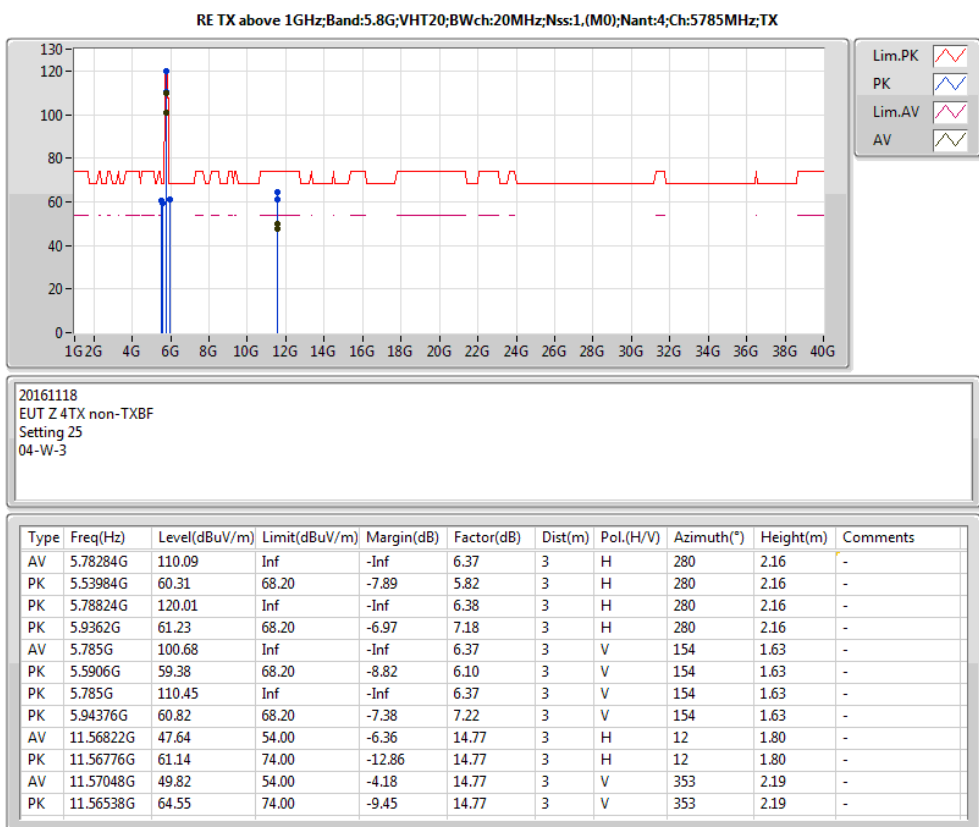
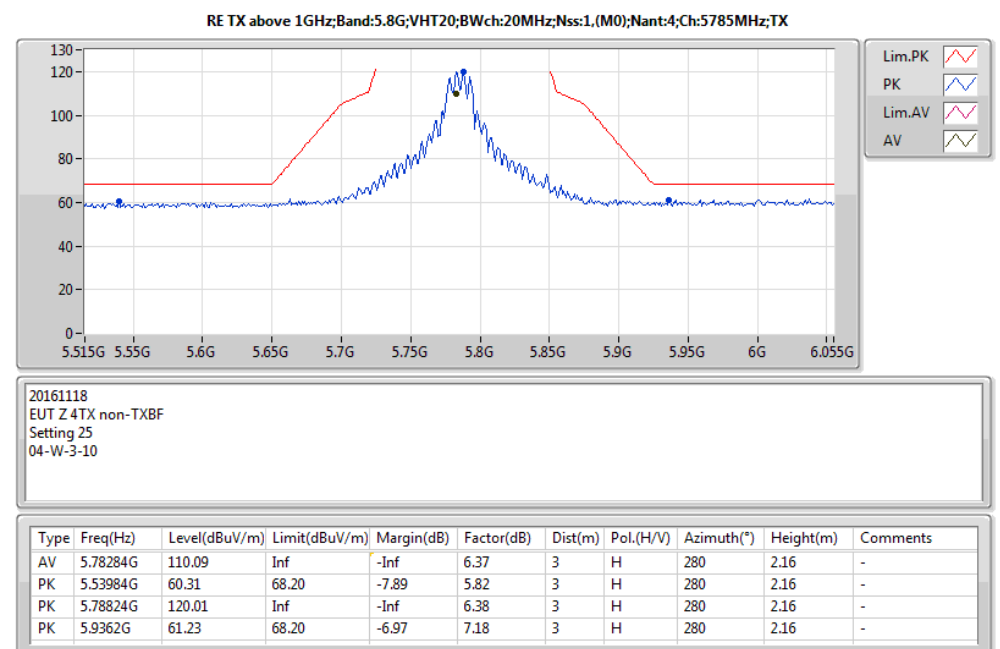
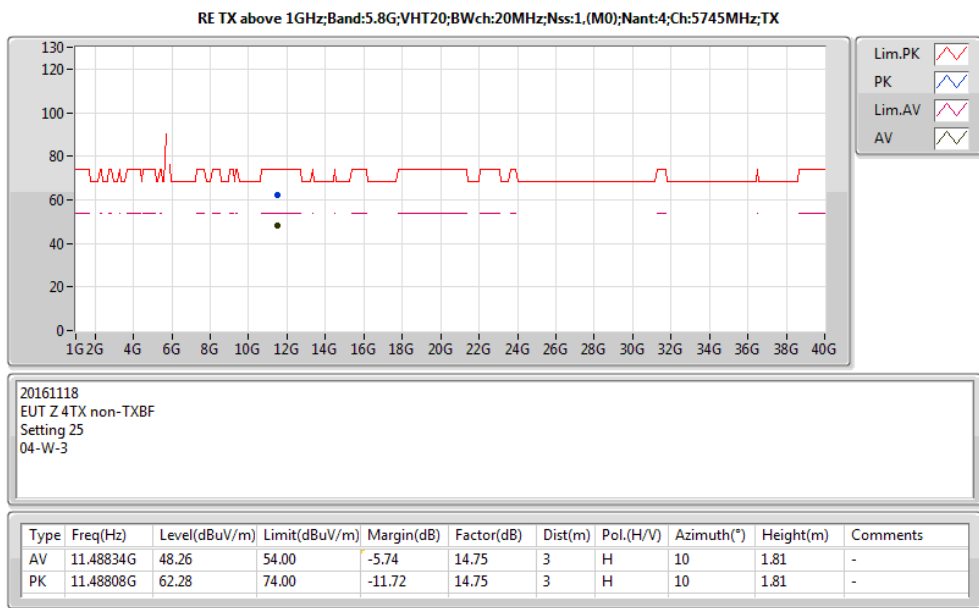
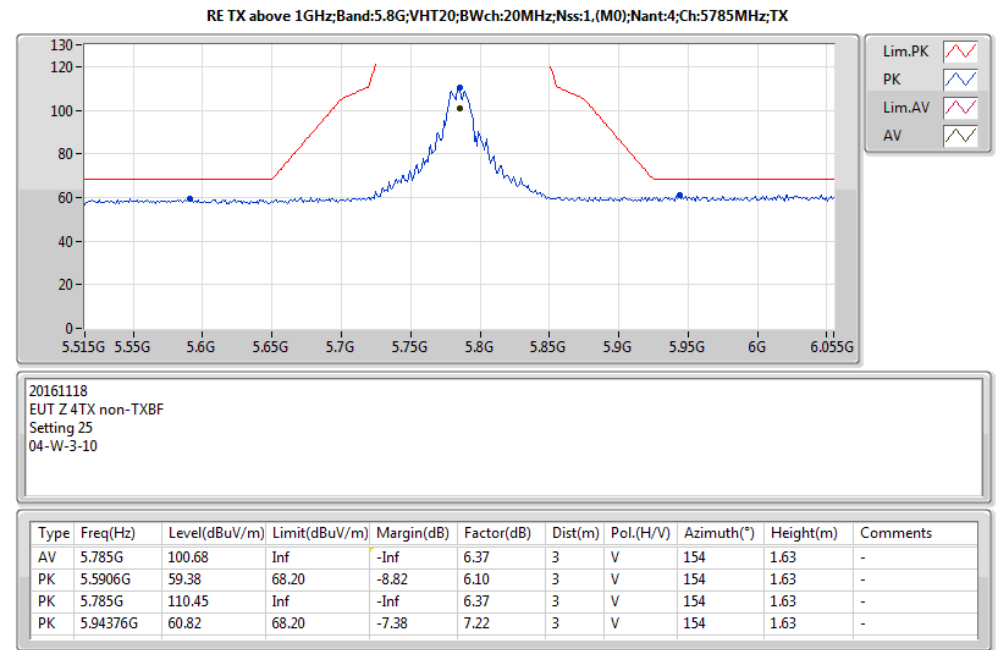
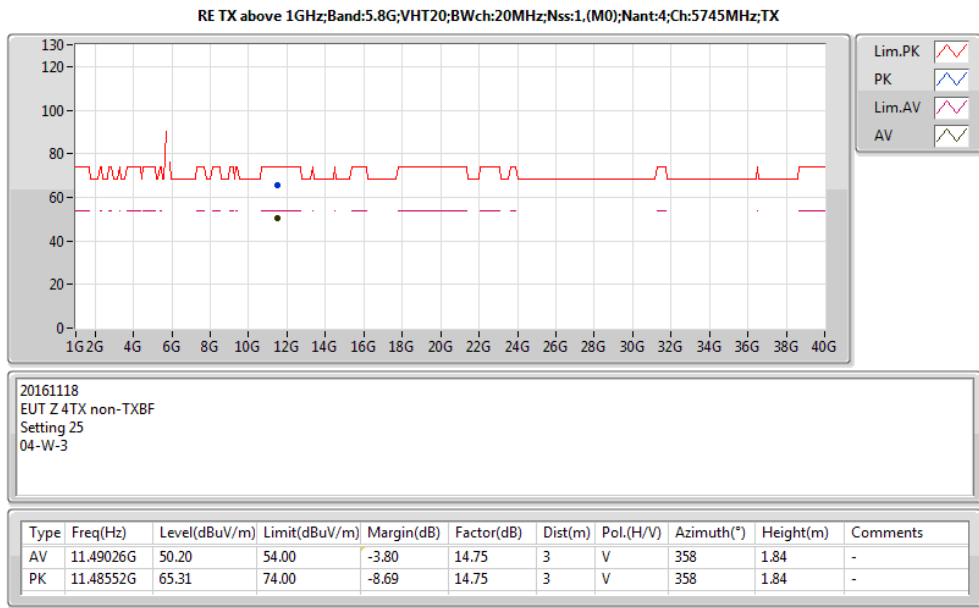
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.745G	102.24	Inf	-Inf	6.32	3	V	150	1.35	-
PK	5.64024G	59.93	68.20	-8.27	6.20	3	V	150	1.35	-
PK	5.74392G	111.57	Inf	-Inf	6.32	3	V	150	1.35	-
PK	5.97396G	61.27	68.20	-6.93	7.40	3	V	150	1.35	-

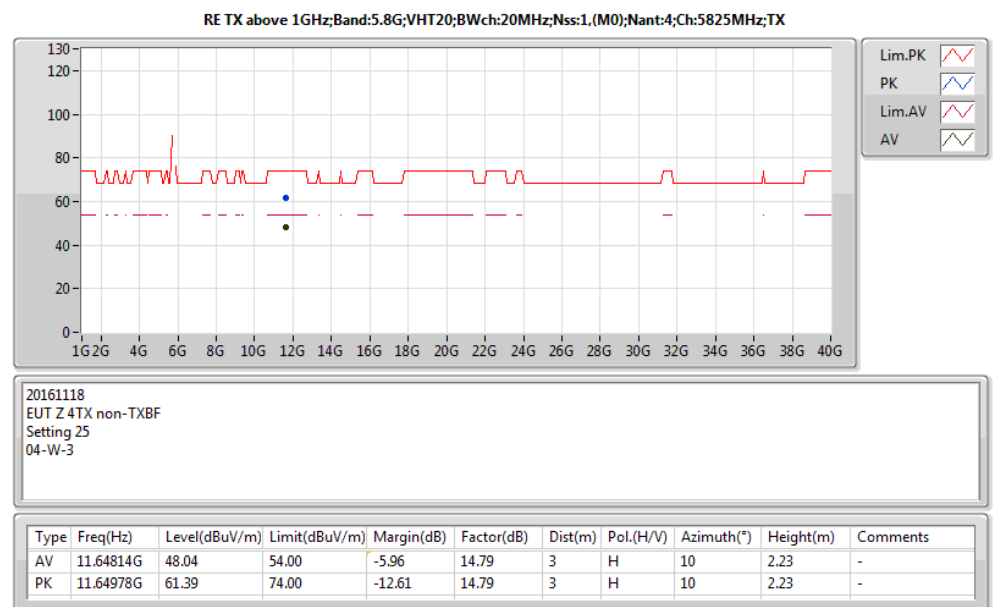
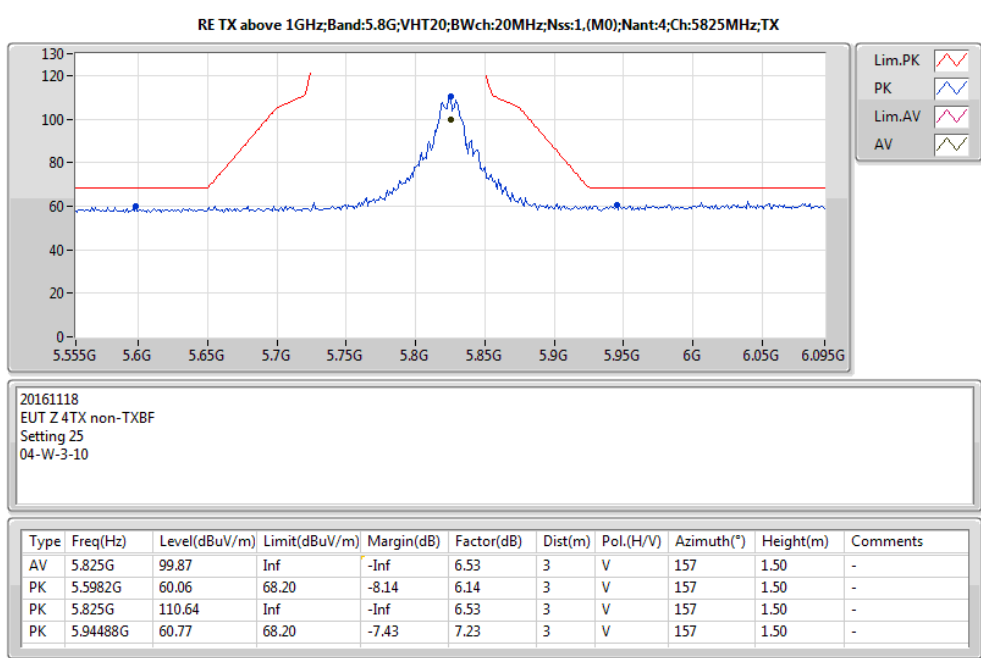
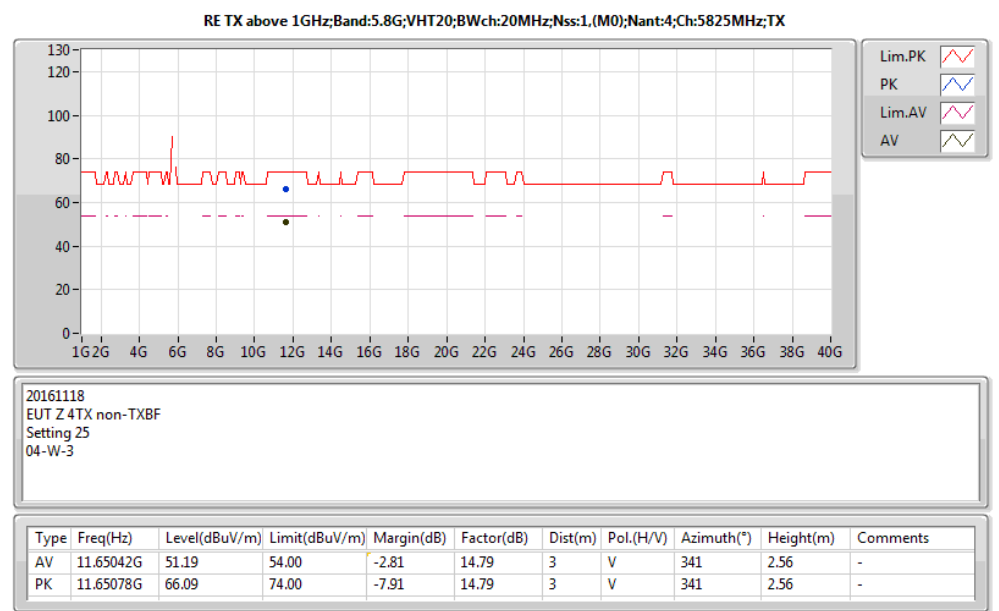
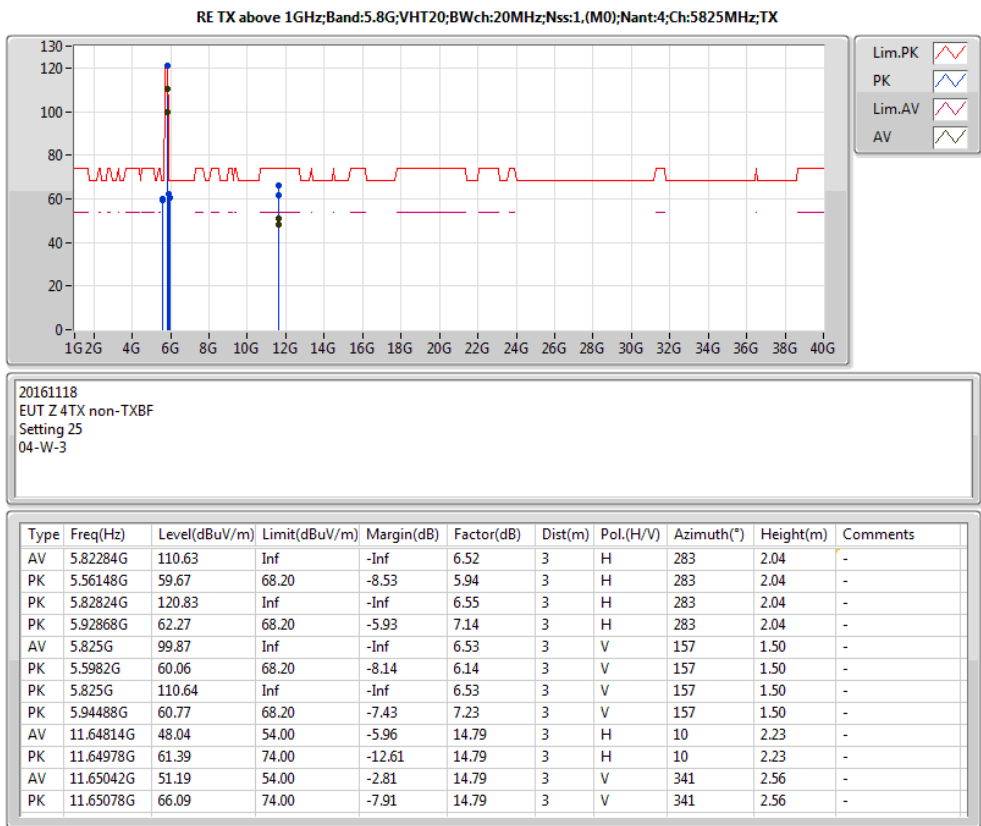
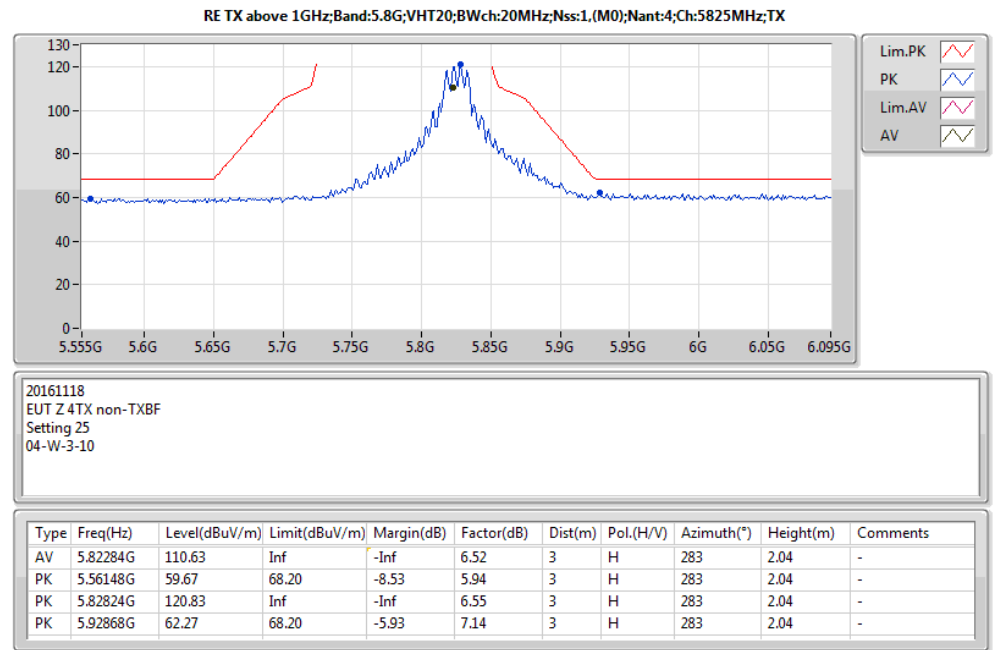
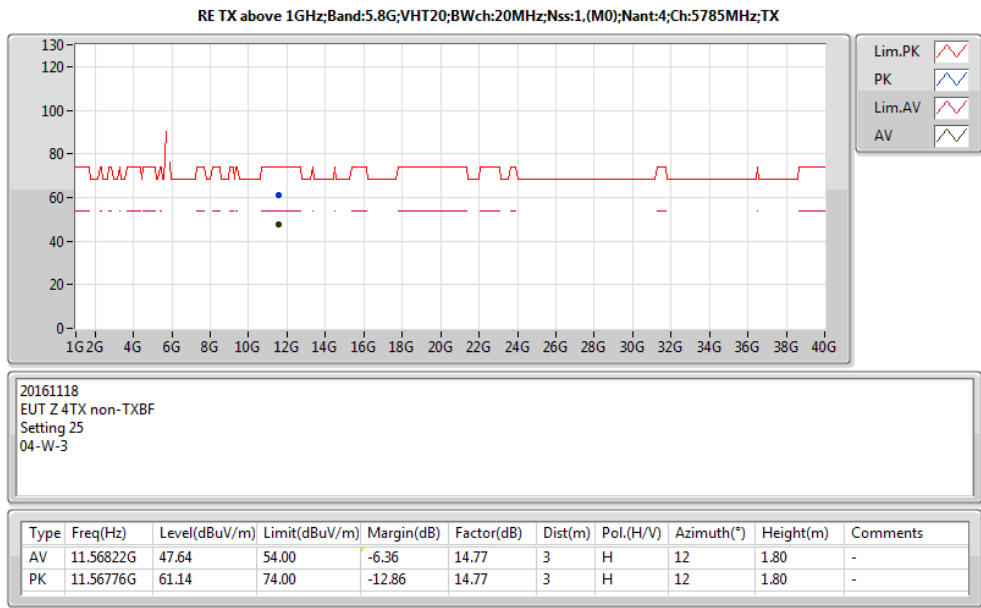


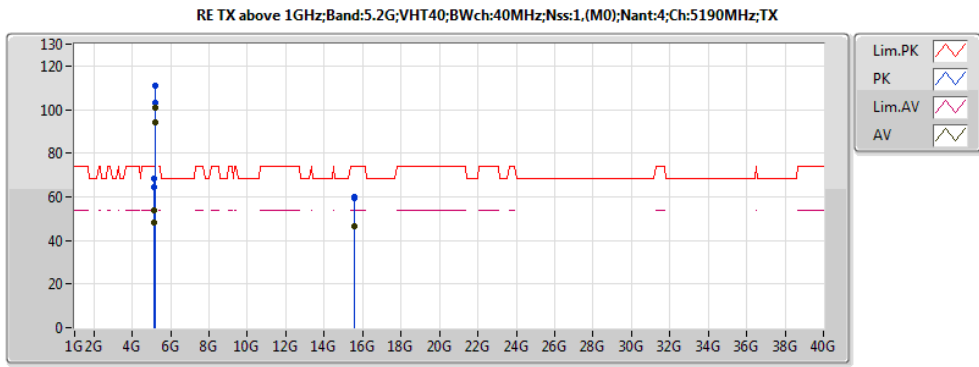
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Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.74284G	111.17	Inf	-Inf	6.32	3	H	281	2.20	-
PK	5.6478G	62.28	68.20	-5.92	6.21	3	H	281	2.20	-
PK	5.74284G	121.28	Inf	-Inf	6.32	3	H	281	2.20	-
PK	5.92752G	60.65	68.20	-7.55	7.13	3	H	281	2.20	-



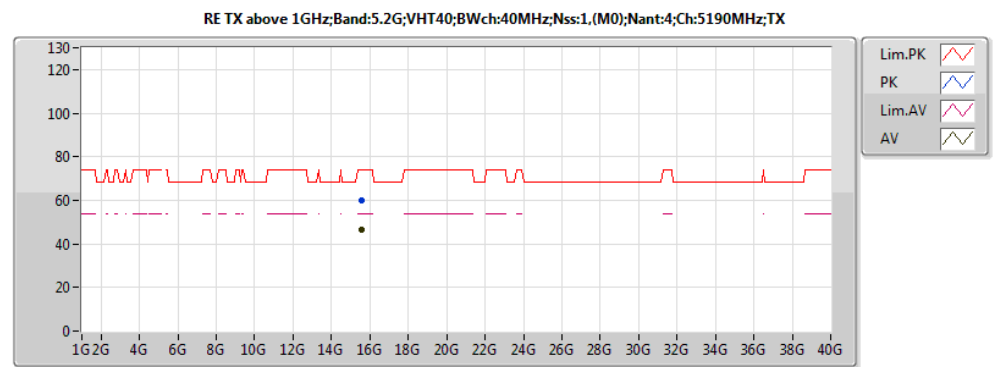






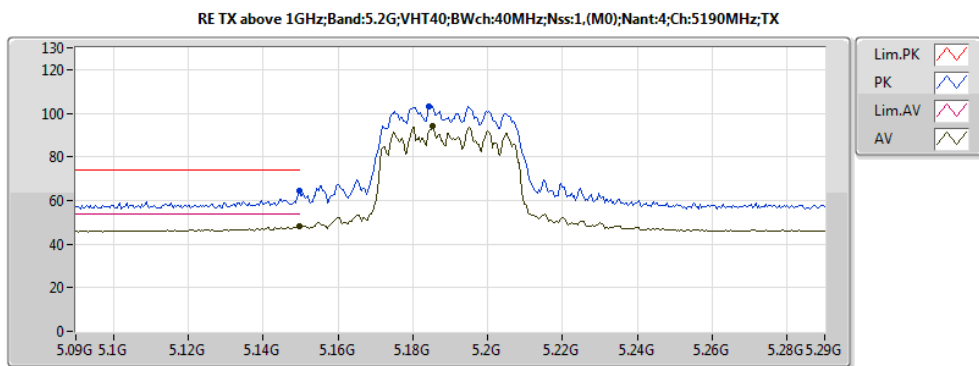
20161118  
EUT Z 4TX non-TXBF  
Setting 0F  
04-W-3

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1488G	53.57	54.00	-0.43	4.77	3	H	240	2.25	-
AV	5.1856G	100.97	Inf	-Inf	4.90	3	H	240	2.25	-
PK	5.1484G	68.12	74.00	-5.88	4.77	3	H	240	2.25	-
PK	5.1856G	110.85	Inf	-Inf	4.90	3	H	240	2.25	-
AV	5.1496G	48.08	54.00	-5.92	4.77	3	V	46	2.95	-
AV	5.1852G	94.02	Inf	-Inf	4.90	3	V	46	2.95	-
PK	5.1496G	64.17	74.00	-9.83	4.77	3	V	46	2.95	-
PK	5.1844G	103.13	Inf	-Inf	4.90	3	V	46	2.95	-
AV	15.565G	46.29	54.00	-7.71	15.72	3	H	121	2.14	-
PK	15.5658G	59.60	74.00	-14.40	15.72	3	H	121	2.14	-
AV	15.56886G	46.27	54.00	-7.73	15.72	3	V	285	2.62	-
PK	15.56564G	59.74	74.00	-14.26	15.72	3	V	285	2.62	-



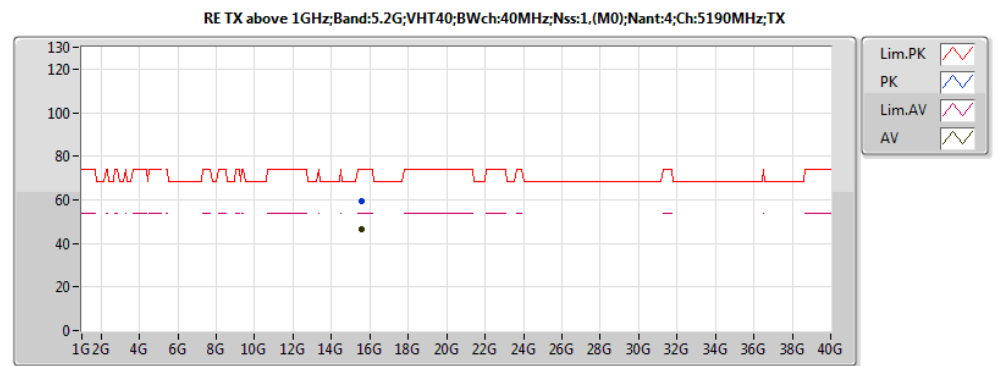
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EUT Z 4TX non-TXBF  
Setting 0F  
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Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.56886G	46.27	54.00	-7.73	15.72	3	V	285	2.62	-
PK	15.56564G	59.74	74.00	-14.26	15.72	3	V	285	2.62	-



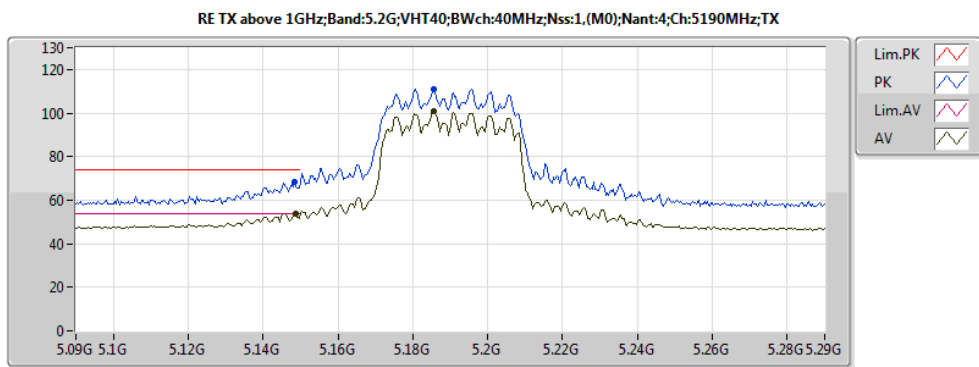
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Setting 0F  
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Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1496G	48.08	54.00	-5.92	4.77	3	V	46	2.95	-
AV	5.1852G	94.02	Inf	-Inf	4.90	3	V	46	2.95	-
PK	5.1496G	64.17	74.00	-9.83	4.77	3	V	46	2.95	-
PK	5.1844G	103.13	Inf	-Inf	4.90	3	V	46	2.95	-



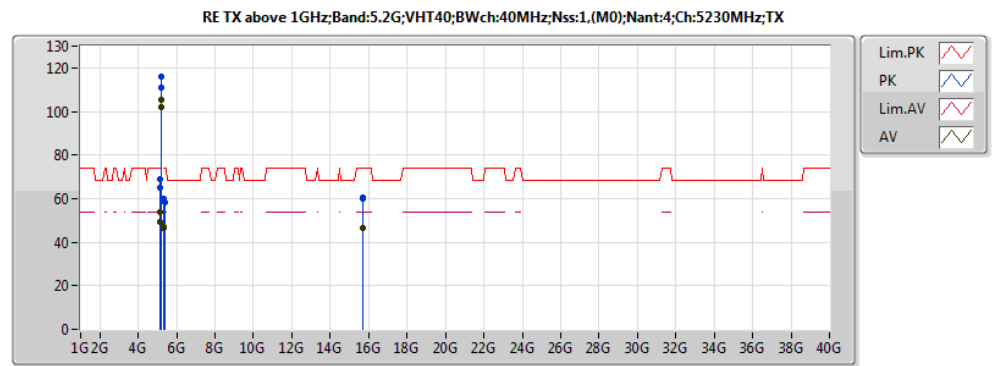
20161118  
EUT Z 4TX non-TXBF  
Setting 0F  
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Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.565G	46.29	54.00	-7.71	15.72	3	H	121	2.14	-
PK	15.5658G	59.60	74.00	-14.40	15.72	3	H	121	2.14	-



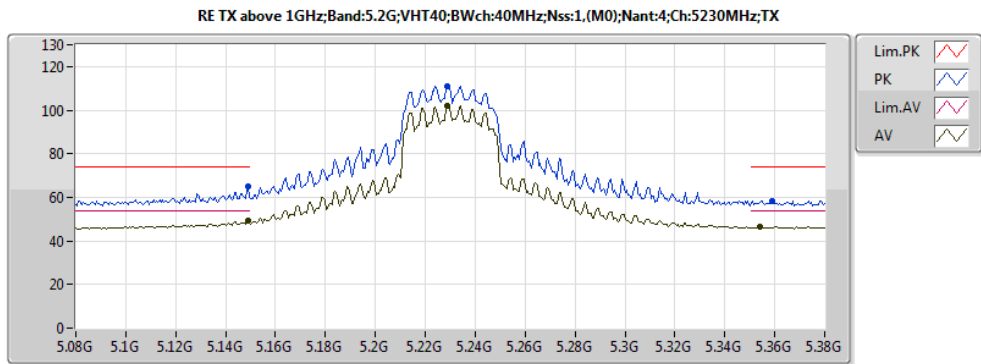
20161118  
EUT Z 4TX non-TXBF  
Setting 0F  
04-W-3-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1488G	53.57	54.00	-0.43	4.77	3	H	240	2.25	-
AV	5.1856G	100.97	Inf	-Inf	4.90	3	H	240	2.25	-
PK	5.1484G	68.12	74.00	-5.88	4.77	3	H	240	2.25	-
PK	5.1856G	110.85	Inf	-Inf	4.90	3	H	240	2.25	-



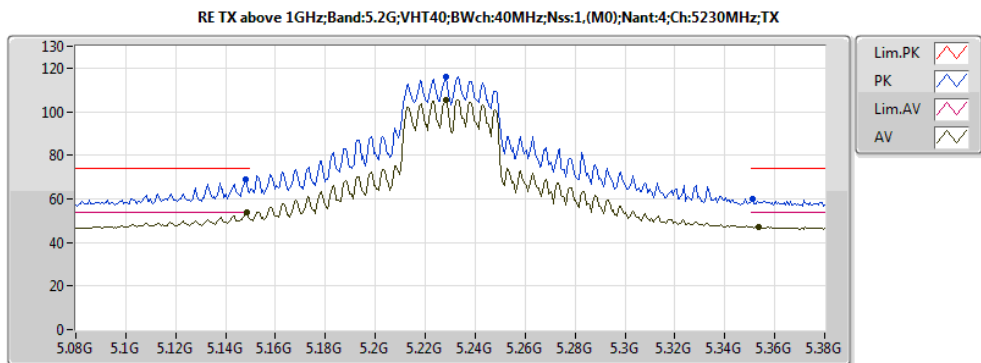
20161118  
EUT Z 4TX non-TXBF  
Setting 19  
04-W-3

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1484G	53.57	54.00	-0.43	4.77	3	H	71	2.21	-
AV	5.2282G	105.42	Inf	-Inf	4.98	3	H	71	2.21	-
AV	5.3536G	47.28	54.00	-6.72	5.10	3	H	71	2.21	-
PK	5.1478G	68.93	74.00	-5.07	4.77	3	H	71	2.21	-
PK	5.2282G	116.07	Inf	-Inf	4.98	3	H	71	2.21	-
PK	5.3512G	59.97	74.00	-14.03	5.10	3	H	71	2.21	-
AV	5.149G	49.22	54.00	-4.78	4.77	3	V	14	2.88	-
AV	5.2288G	102.22	Inf	-Inf	4.98	3	V	14	2.88	-
AV	5.3542G	46.36	54.00	-7.64	5.10	3	V	14	2.88	-
PK	5.149G	65.09	74.00	-8.91	4.77	3	V	14	2.88	-
PK	5.2288G	111.00	Inf	-Inf	4.98	3	V	14	2.88	-
PK	5.359G	58.47	74.00	-15.53	5.11	3	V	14	2.88	-
AV	15.69088G	46.57	54.00	-7.43	15.65	3	H	341	1.89	-
PK	15.6858G	59.99	74.00	-14.01	15.65	3	H	341	1.89	-
AV	15.68862G	46.55	54.00	-7.45	15.65	3	V	214	1.12	-
PK	15.69342G	60.25	74.00	-13.75	15.65	3	V	214	1.12	-



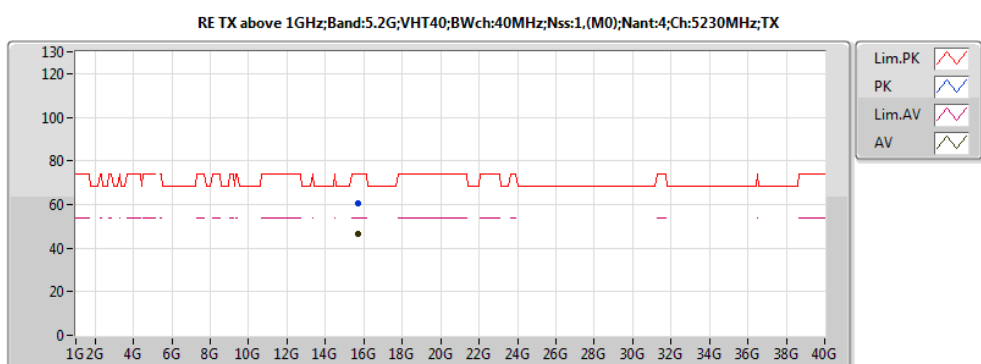
20161118  
EUT Z 4TX non-TXBF  
Setting 19  
04-W-3-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149G	49.22	54.00	-4.78	4.77	3	V	14	2.88	-
AV	5.2288G	102.22	Inf	-Inf	4.98	3	V	14	2.88	-
AV	5.3542G	46.36	54.00	-7.64	5.10	3	V	14	2.88	-
PK	5.149G	65.09	74.00	-8.91	4.77	3	V	14	2.88	-
PK	5.2288G	111.00	Inf	-Inf	4.98	3	V	14	2.88	-
PK	5.359G	58.47	74.00	-15.53	5.11	3	V	14	2.88	-



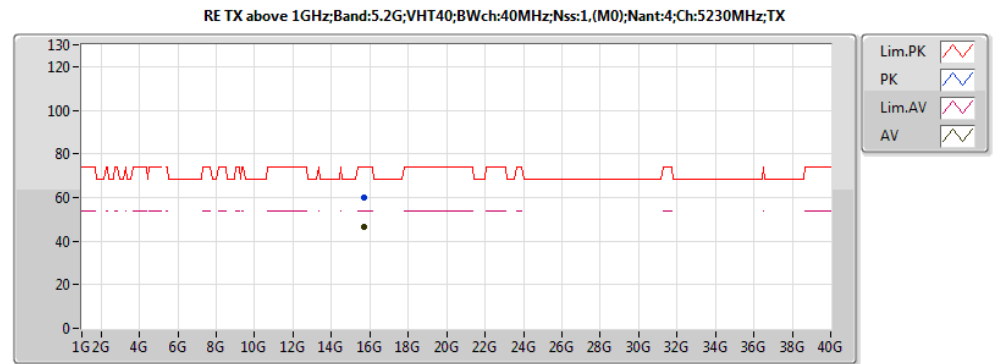
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EUT Z 4TX non-TXBF  
Setting 19  
04-W-3-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1484G	53.57	54.00	-0.43	4.77	3	H	71	2.21	-
AV	5.2282G	105.42	Inf	-Inf	4.98	3	H	71	2.21	-
AV	5.3536G	47.28	54.00	-6.72	5.10	3	H	71	2.21	-
PK	5.1478G	68.93	74.00	-5.07	4.77	3	H	71	2.21	-
PK	5.2282G	116.07	Inf	-Inf	4.98	3	H	71	2.21	-
PK	5.3512G	59.97	74.00	-14.03	5.10	3	H	71	2.21	-



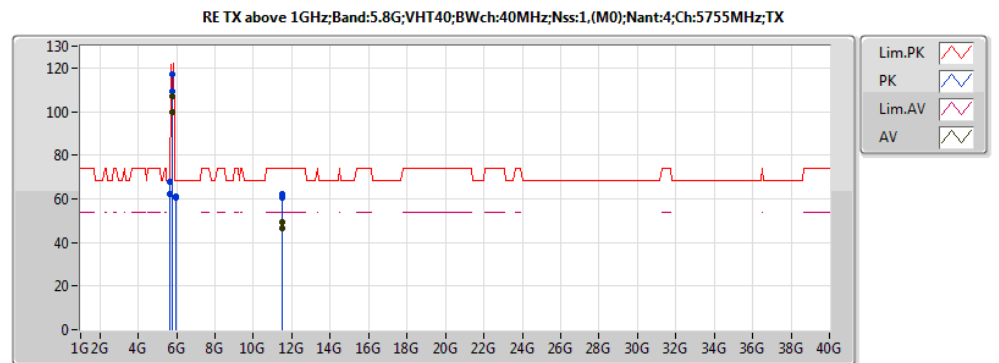
20161118  
EUT Z 4TX non-TXBF  
Setting 19  
04-W-3

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.68862G	46.55	54.00	-7.45	15.65	3	V	214	1.12	-
PK	15.69342G	60.25	74.00	-13.75	15.65	3	V	214	1.12	-



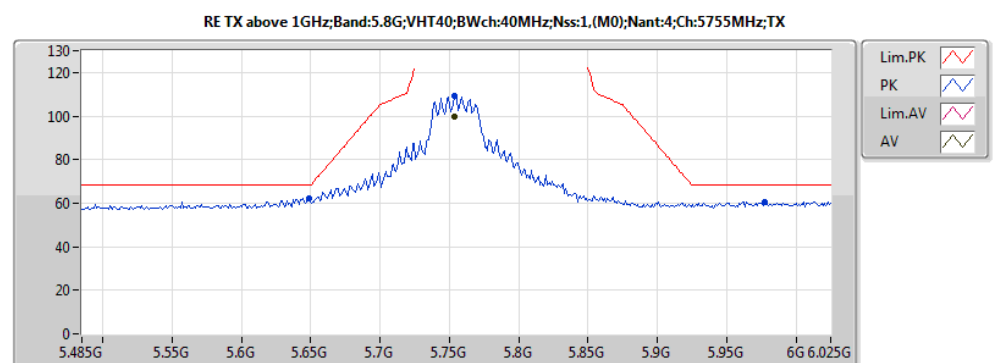
20161118  
EUT Z 4TX non-TXBF  
Setting 19  
04-W-3

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.69088G	46.57	54.00	-7.43	15.65	3	H	341	1.89	-
PK	15.6858G	59.99	74.00	-14.01	15.65	3	H	341	1.89	-



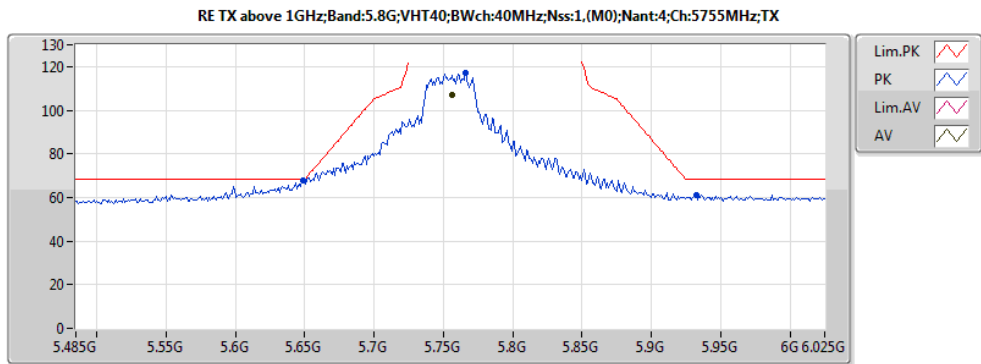
20161118  
EUT Z 4TX non-TXBF  
Setting 25  
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Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.75608G	107.28	Inf	-Inf	6.34	3	H	71	2.09	-
PK	5.64916G	67.92	68.20	-0.28	6.21	3	H	71	2.09	-
PK	5.7658G	116.96	Inf	-Inf	6.35	3	H	71	2.09	-
PK	5.93212G	61.30	68.20	-6.90	7.16	3	H	71	2.09	-
AV	5.75392G	99.71	Inf	-Inf	6.33	3	V	156	1.70	-
PK	5.64916G	62.45	68.20	-5.75	6.21	3	V	156	1.70	-
PK	5.75392G	109.04	Inf	-Inf	6.33	3	V	156	1.70	-
PK	5.97748G	60.65	68.20	-7.55	7.42	3	V	156	1.70	-
AV	11.50812G	46.67	54.00	-7.33	14.75	3	H	9	2.27	-
PK	11.51286G	60.77	74.00	-13.23	14.75	3	H	9	2.27	-
AV	11.51042G	49.12	54.00	-4.88	14.75	3	V	0	1.69	-
PK	11.5104G	62.01	74.00	-11.99	14.75	3	V	0	1.69	-



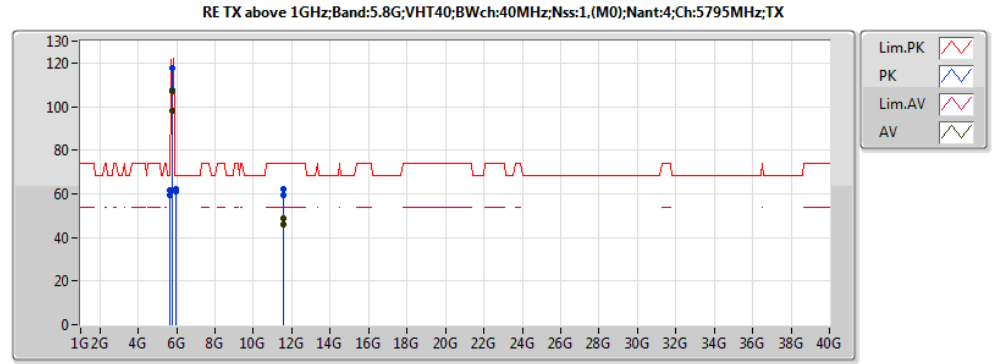
20161118  
EUT Z 4TX non-TXBF  
Setting 25  
04-W-3-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.75392G	99.71	Inf	-Inf	6.33	3	V	156	1.70	-
PK	5.64916G	62.45	68.20	-5.75	6.21	3	V	156	1.70	-
PK	5.75392G	109.04	Inf	-Inf	6.33	3	V	156	1.70	-
PK	5.97748G	60.65	68.20	-7.55	7.42	3	V	156	1.70	-



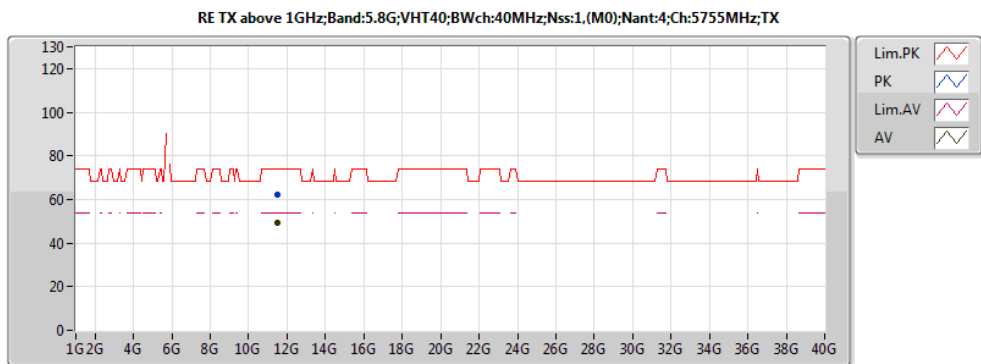
20161118  
EUT Z 4TX non-TXBF  
Setting 25  
04-W-3-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.75608G	107.28	Inf	-Inf	6.34	3	H	71	2.09	-
PK	5.64916G	67.92	68.20	-0.28	6.21	3	H	71	2.09	-
PK	5.7658G	116.96	Inf	-Inf	6.35	3	H	71	2.09	-
PK	5.93212G	61.30	68.20	-6.90	7.16	3	H	71	2.09	-



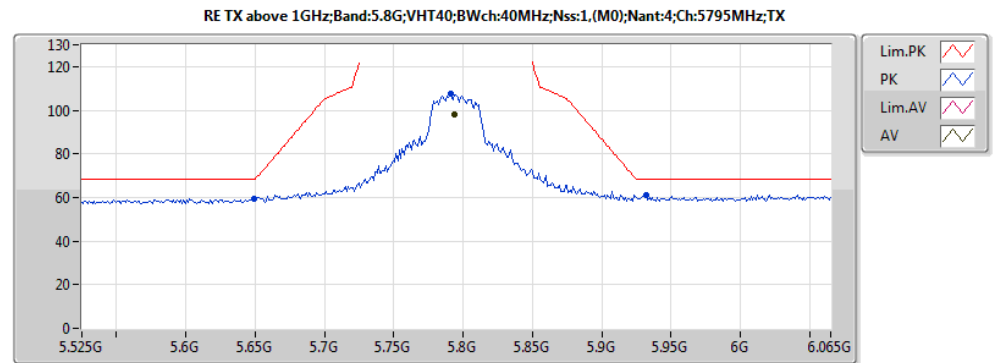
20161118  
EUT Z 4TX non-TXBF  
Setting 25  
04-W-3

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.79284G	106.88	Inf	-Inf	6.38	3	H	283	2.24	-
PK	5.63732G	61.64	68.20	-6.56	6.19	3	H	283	2.24	-
PK	5.79284G	117.89	Inf	-Inf	6.38	3	H	283	2.24	-
PK	5.93648G	62.40	68.20	-5.80	7.18	3	H	283	2.24	-
AV	5.79392G	98.27	Inf	-Inf	6.38	3	V	168	2.98	-
PK	5.6492G	59.58	68.20	-8.62	6.21	3	V	168	2.98	-
PK	5.79068G	107.61	Inf	-Inf	6.38	3	V	168	2.98	-
PK	5.93216G	61.34	68.20	-6.86	7.16	3	V	168	2.98	-
AV	11.58796G	45.83	54.00	-8.17	14.77	3	H	11	2.21	-
PK	11.58844G	59.18	74.00	-14.82	14.77	3	H	11	2.21	-
AV	11.59028G	48.61	54.00	-5.39	14.77	3	V	352	2.20	-
PK	11.59054G	62.13	74.00	-11.87	14.77	3	V	352	2.20	-



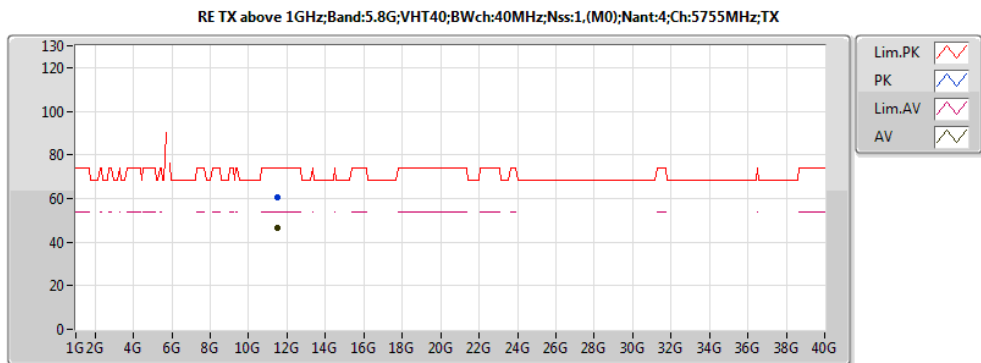
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EUT Z 4TX non-TXBF  
Setting 25  
04-W-3

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.51042G	49.12	54.00	-4.88	14.75	3	V	0	1.69	-
PK	11.5104G	62.01	74.00	-11.99	14.75	3	V	0	1.69	-



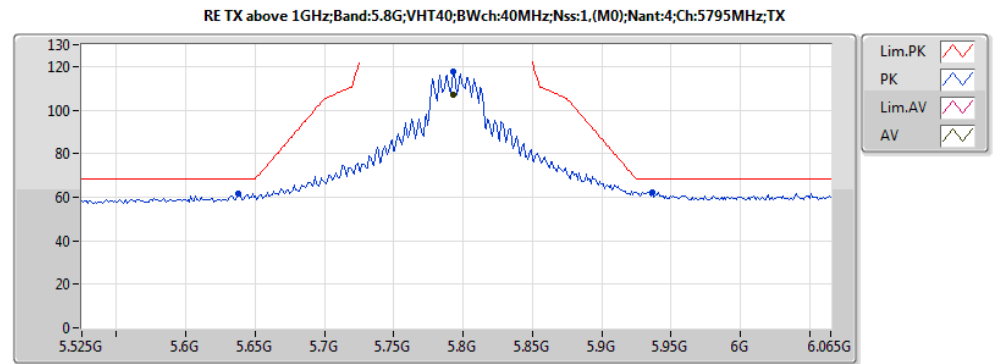
20161118  
EUT Z 4TX non-TXBF  
Setting 25  
04-W-3-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.79392G	98.27	Inf	-Inf	6.38	3	V	168	2.98	-
PK	5.6492G	59.58	68.20	-8.62	6.21	3	V	168	2.98	-
PK	5.79068G	107.61	Inf	-Inf	6.38	3	V	168	2.98	-
PK	5.93216G	61.34	68.20	-6.86	7.16	3	V	168	2.98	-



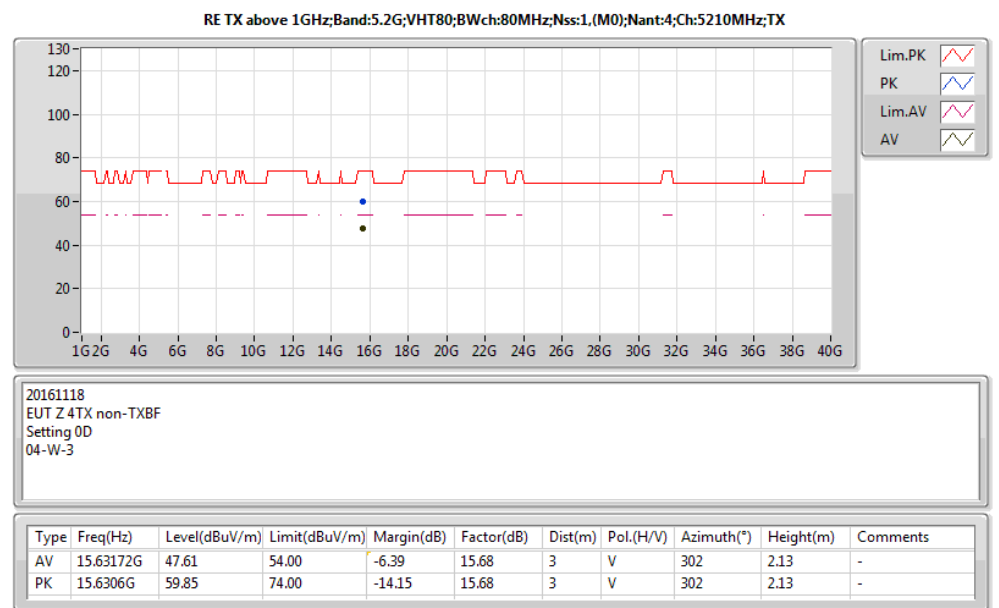
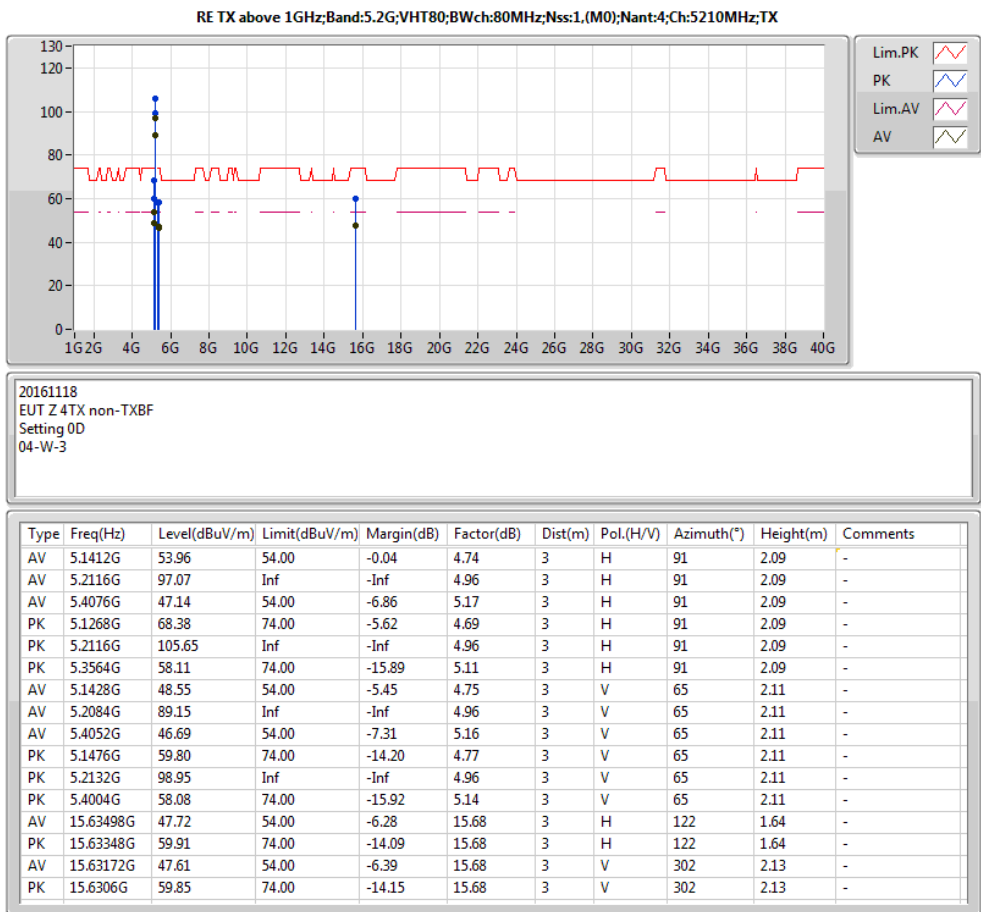
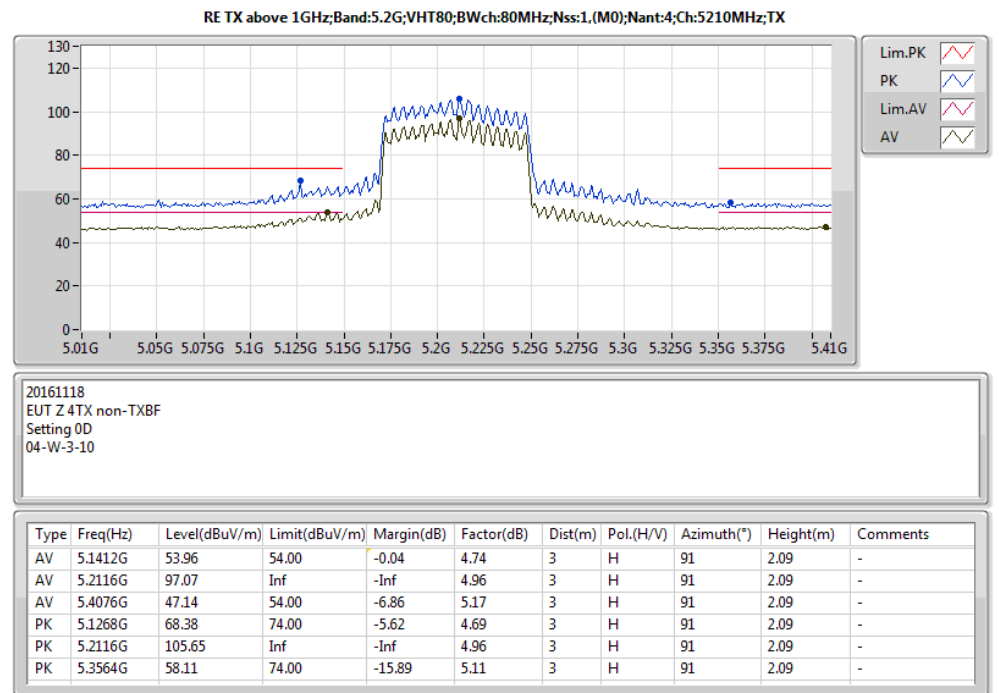
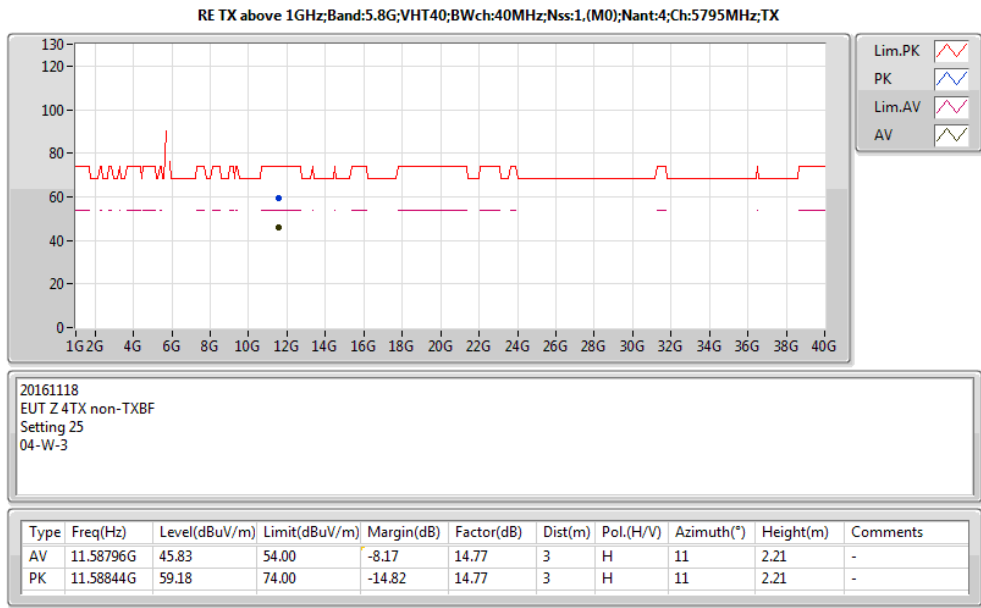
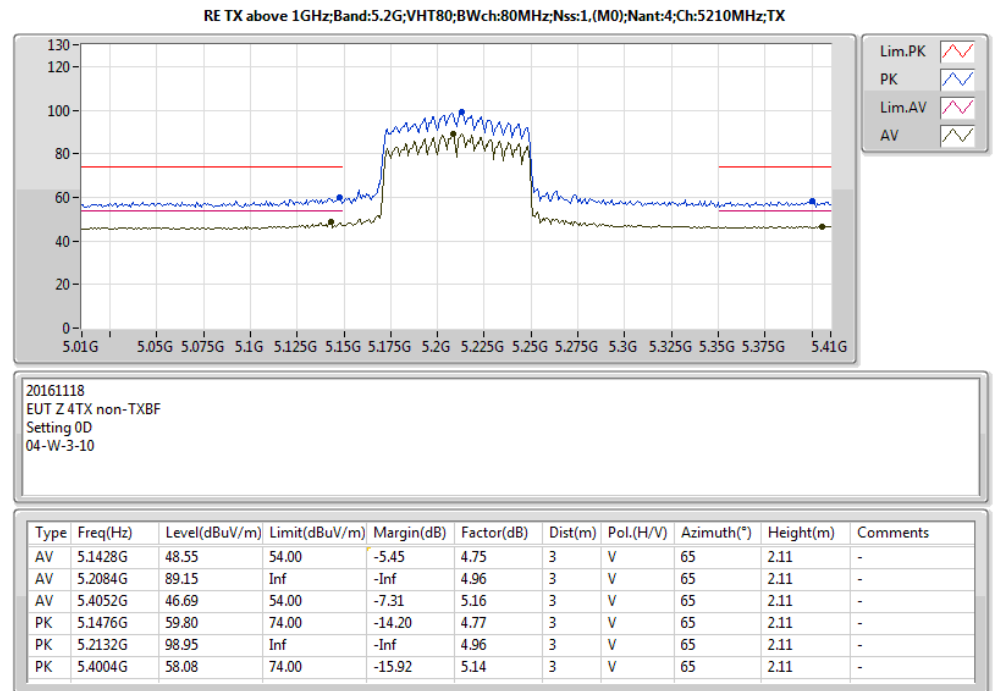
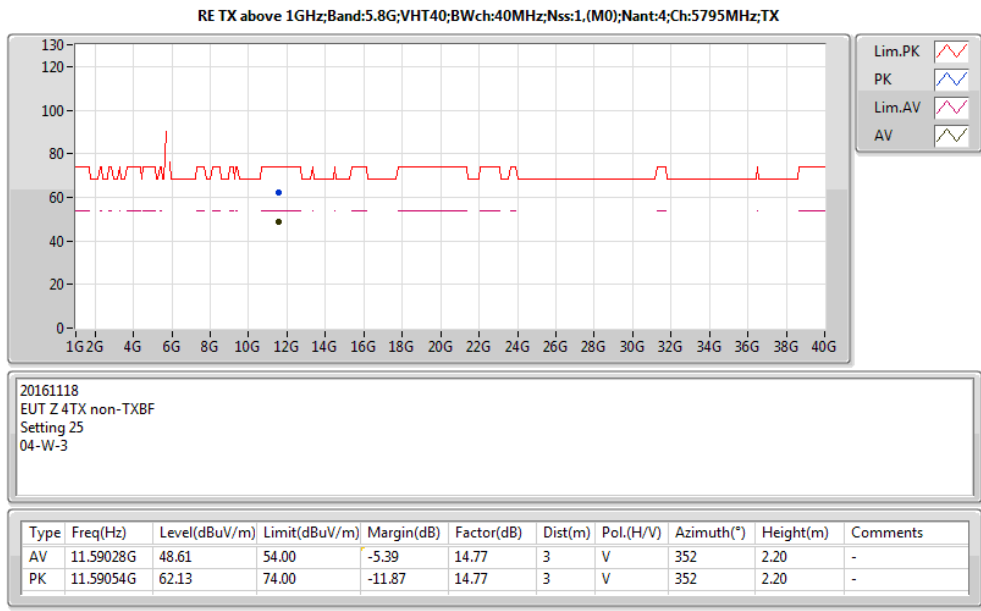
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04-W-3

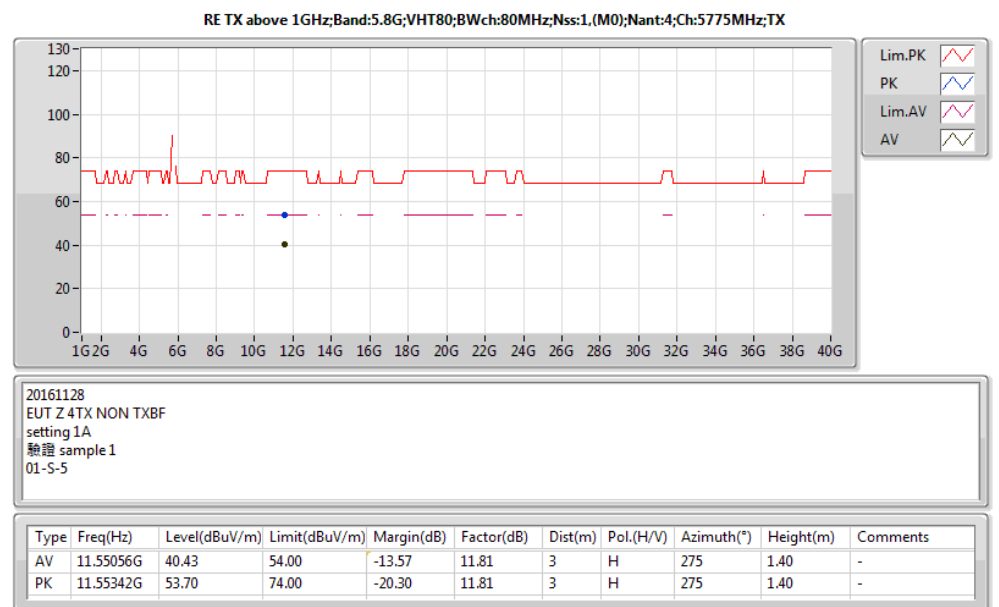
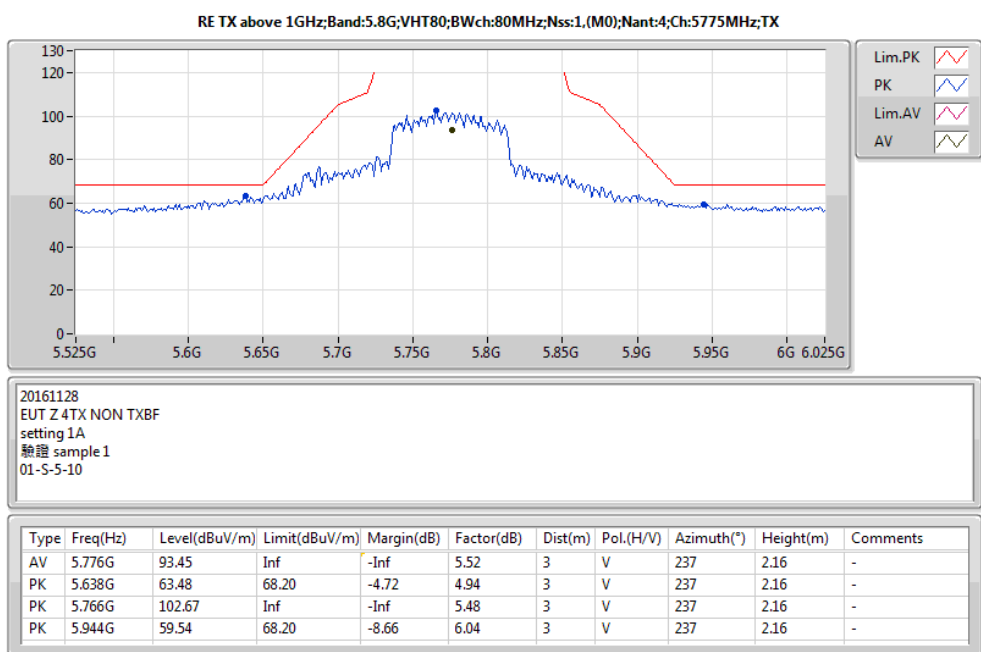
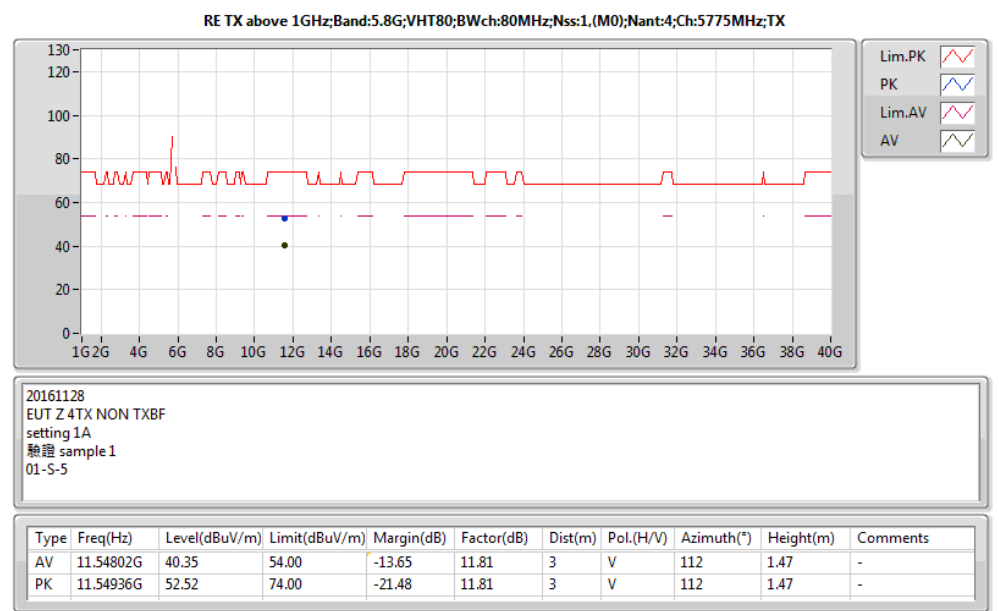
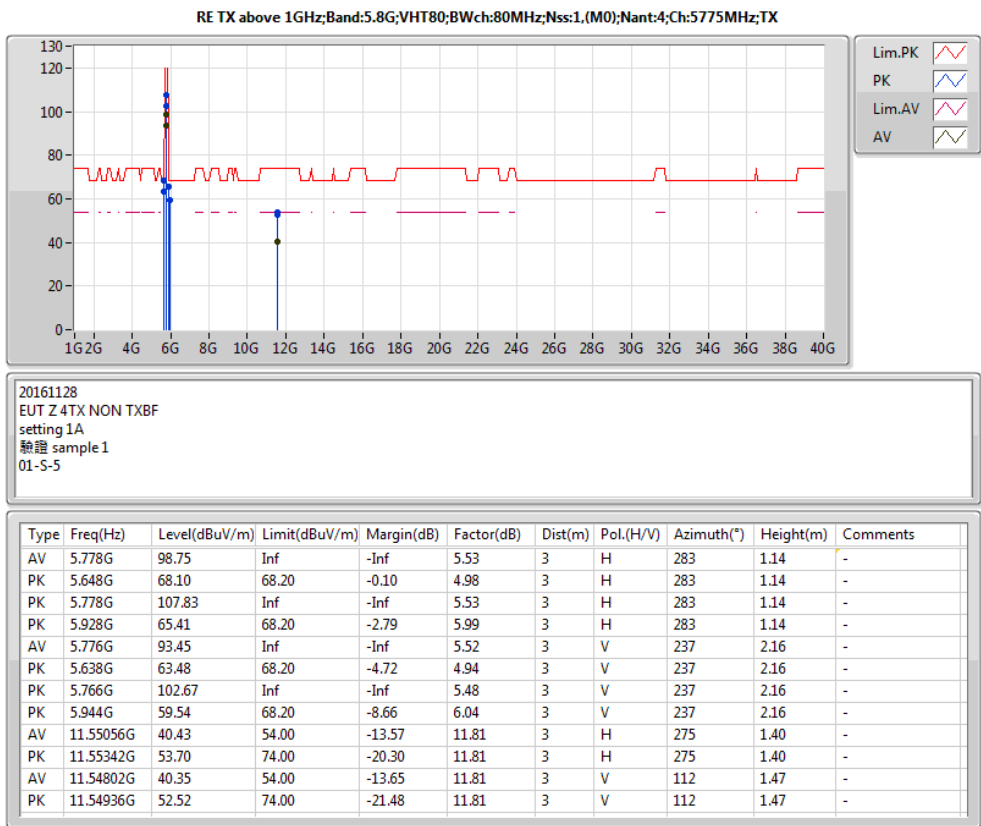
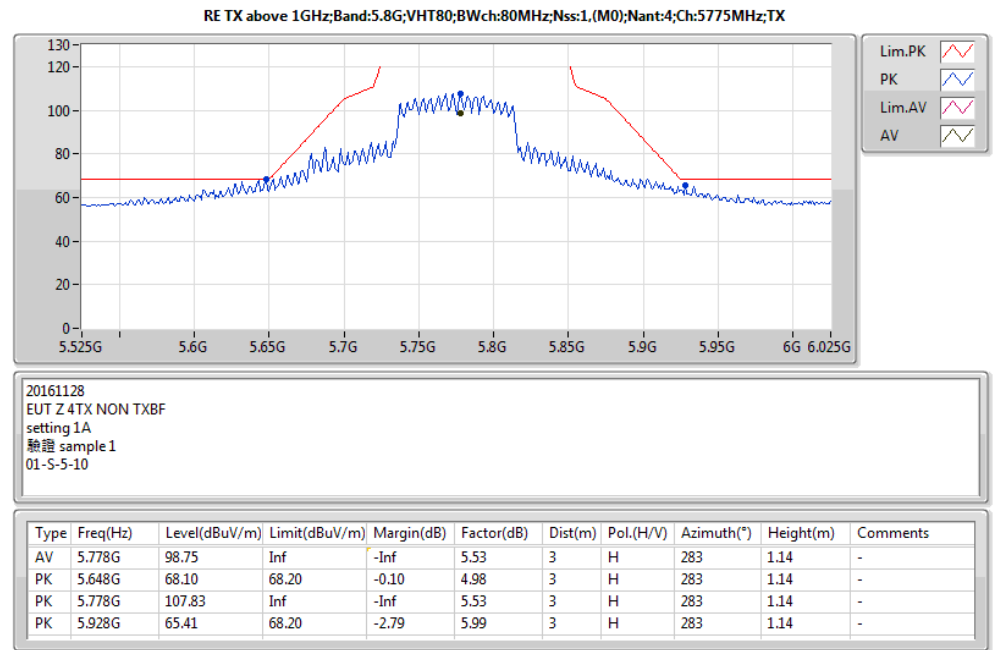
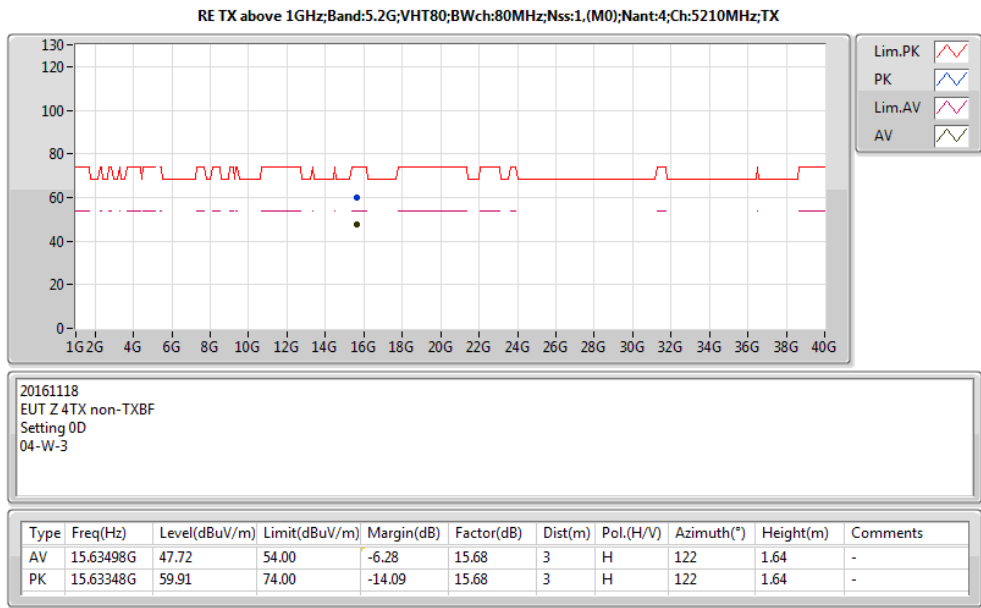
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.50812G	46.67	54.00	-7.33	14.75	3	H	9	2.27	-
PK	11.51286G	60.77	74.00	-13.23	14.75	3	H	9	2.27	-

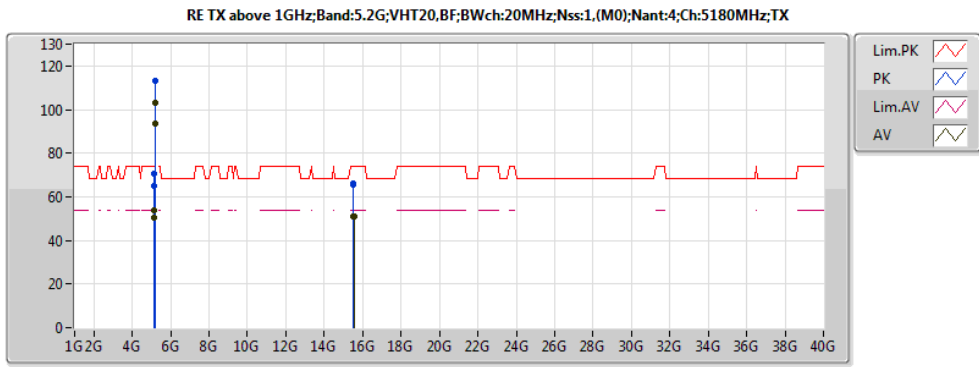


20161118  
EUT Z 4TX non-TXBF  
Setting 25  
04-W-3-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.79284G	106.88	Inf	-Inf	6.38	3	H	283	2.24	-
PK	5.63732G	61.64	68.20	-6.56	6.19	3	H	283	2.24	-
PK	5.79284G	117.89	Inf	-Inf	6.38	3	H	283	2.24	-
PK	5.93648G	62.40	68.20	-5.80	7.18	3	H	283	2.24	-

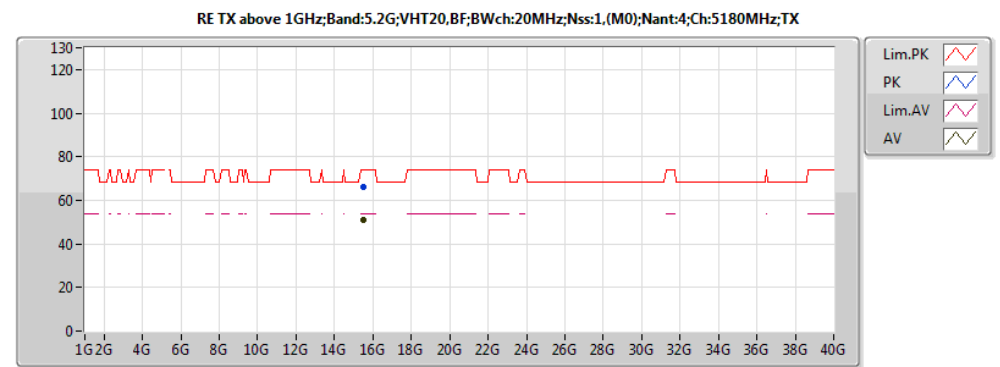






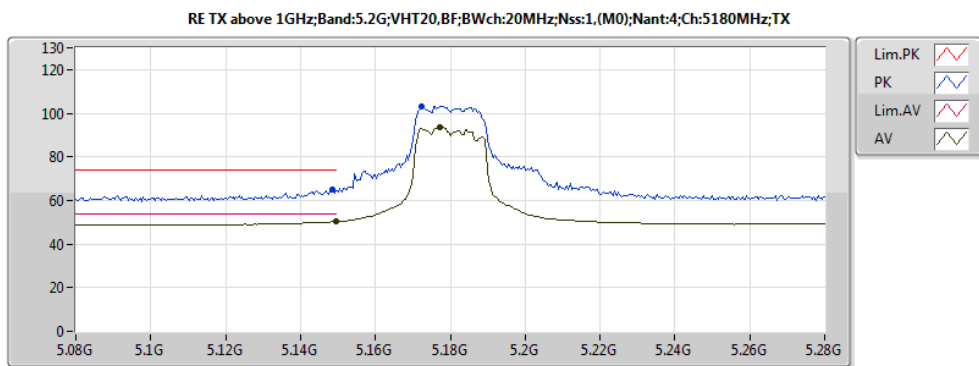
20161212  
EUT Z 4TX TXBF  
setting 18  
06-S-5  
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1496G	53.76	54.00	-0.24	9.86	3	H	70	2.15	-
AV	5.178G	103.19	Inf	-Inf	9.92	3	H	70	2.15	-
PK	5.1496G	70.72	74.00	-3.28	9.86	3	H	70	2.15	-
PK	5.178G	113.25	Inf	-Inf	9.92	3	H	70	2.15	-
AV	5.1496G	50.34	54.00	-3.66	9.86	3	V	350	2.16	-
AV	5.1772G	93.55	Inf	-Inf	9.92	3	V	350	2.16	-
PK	5.1484G	64.89	74.00	-9.11	9.86	3	V	350	2.16	-
PK	5.1724G	103.30	Inf	-Inf	9.91	3	V	350	2.16	-
AV	15.54052G	51.20	54.00	-2.80	20.65	3	H	46	1.94	-
PK	15.53248G	65.37	74.00	-8.63	20.67	3	H	46	1.94	-
AV	15.5324G	51.23	54.00	-2.77	20.67	3	V	169	1.34	-
PK	15.5368G	66.04	74.00	-7.96	20.66	3	V	169	1.34	-



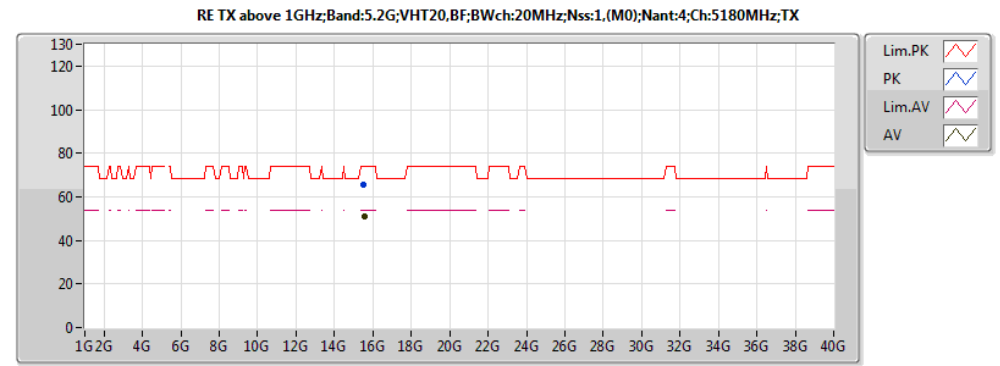
20161212  
EUT Z 4TX TXBF  
setting 18  
06-S-5  
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.5324G	51.23	54.00	-2.77	20.67	3	V	169	1.34	-
PK	15.5368G	66.04	74.00	-7.96	20.66	3	V	169	1.34	-



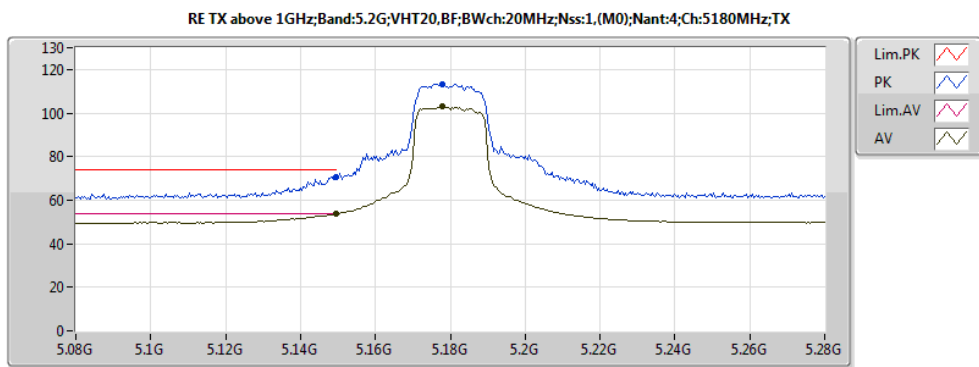
20161212  
EUT Z 4TX TXBF  
setting 18  
06-S-5-10  
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1496G	50.34	54.00	-3.66	9.86	3	V	350	2.16	-
AV	5.1772G	93.55	Inf	-Inf	9.92	3	V	350	2.16	-
PK	5.1484G	64.89	74.00	-9.11	9.86	3	V	350	2.16	-
PK	5.1724G	103.30	Inf	-Inf	9.91	3	V	350	2.16	-



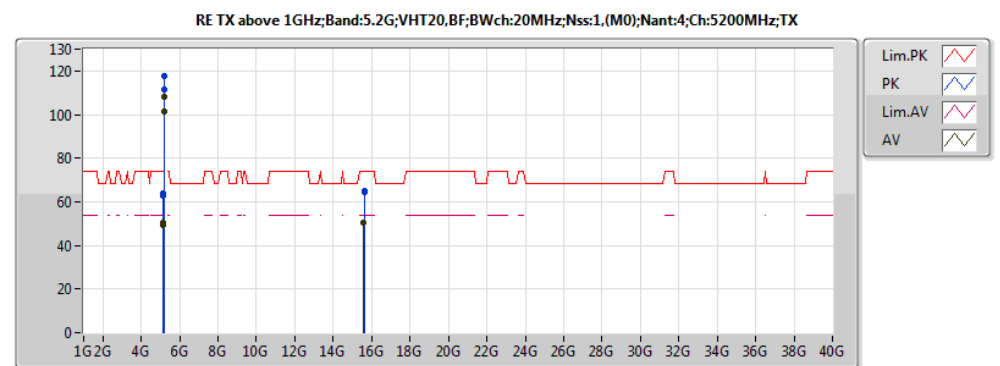
20161212  
EUT Z 4TX TXBF  
setting 18  
06-S-5  
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.54052G	51.20	54.00	-2.80	20.65	3	H	46	1.94	-
PK	15.53248G	65.37	74.00	-8.63	20.67	3	H	46	1.94	-



20161212  
EUT Z 4TX TXBF  
setting 18  
06-S-5-10  
FSP

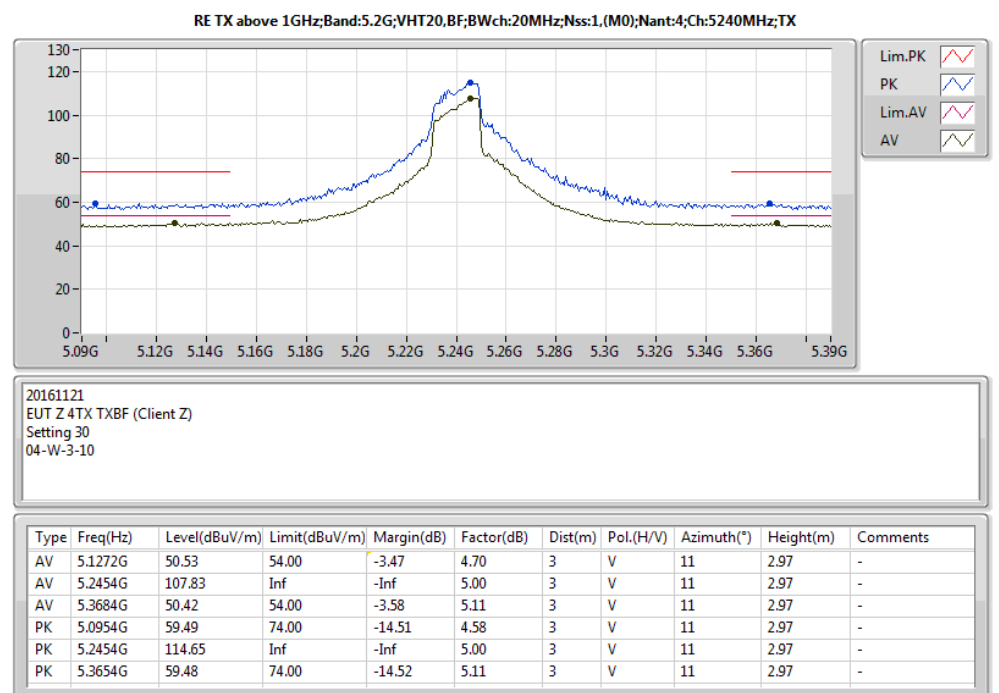
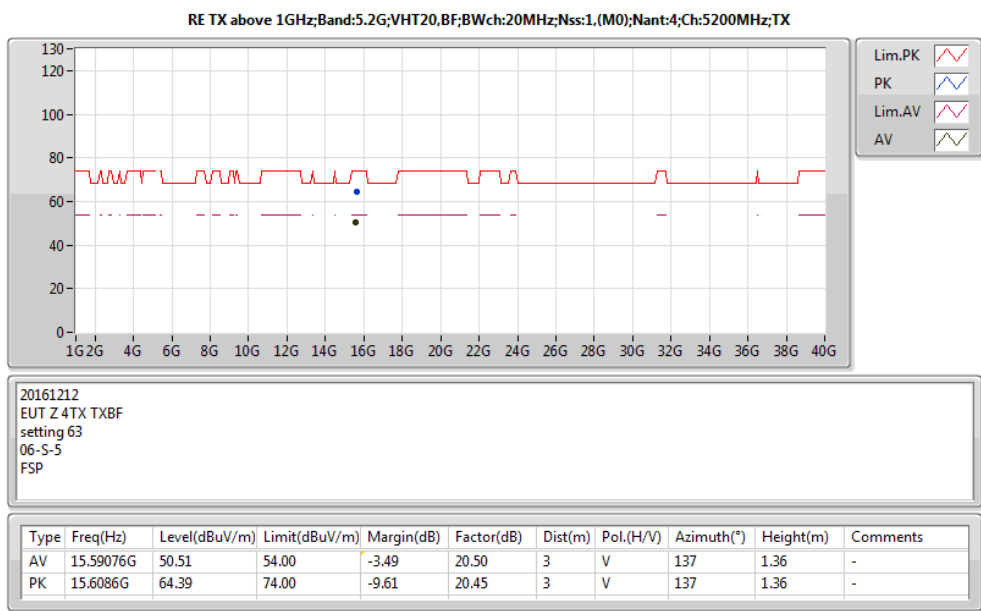
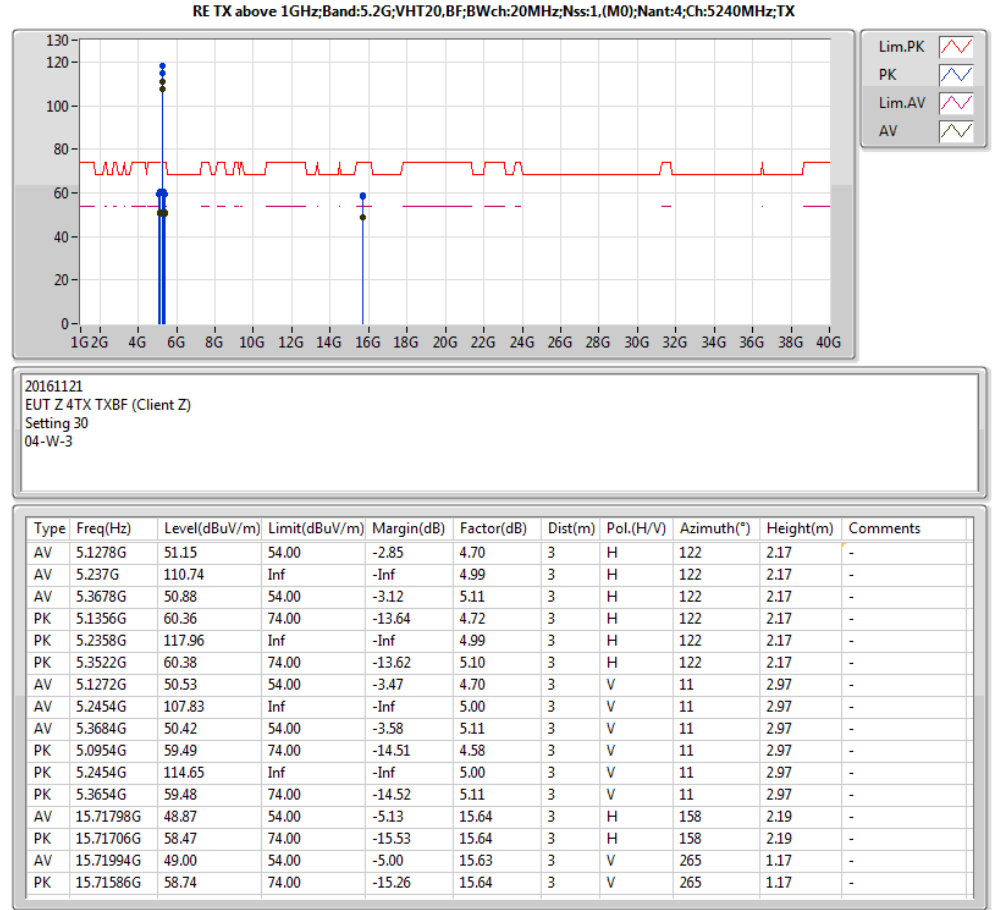
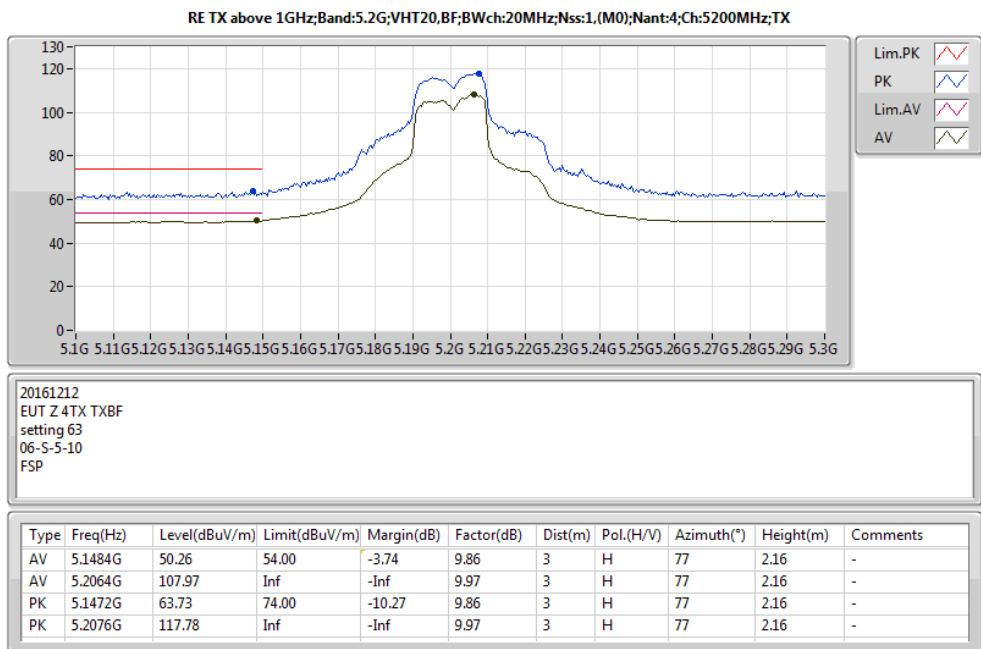
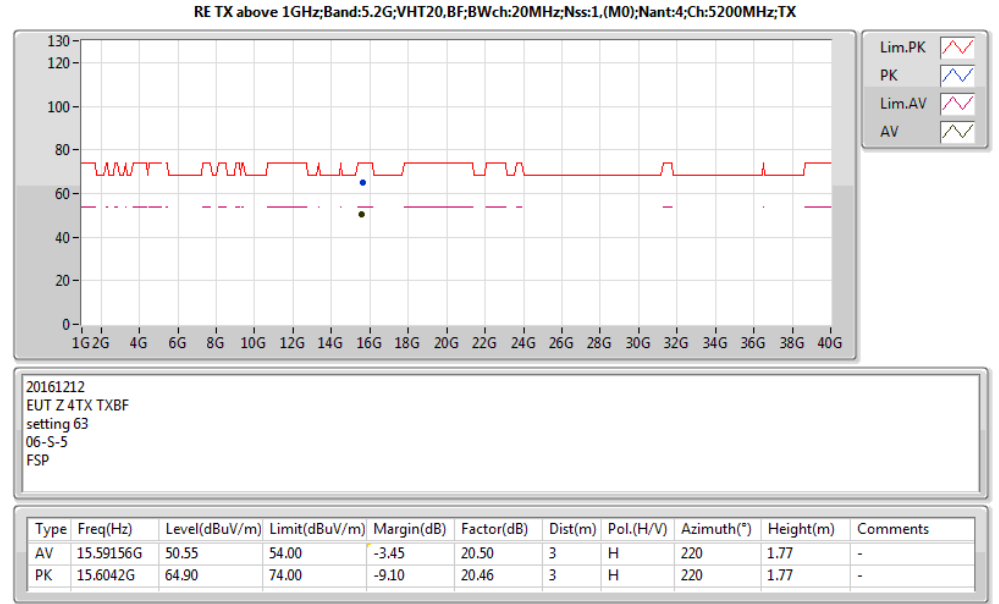
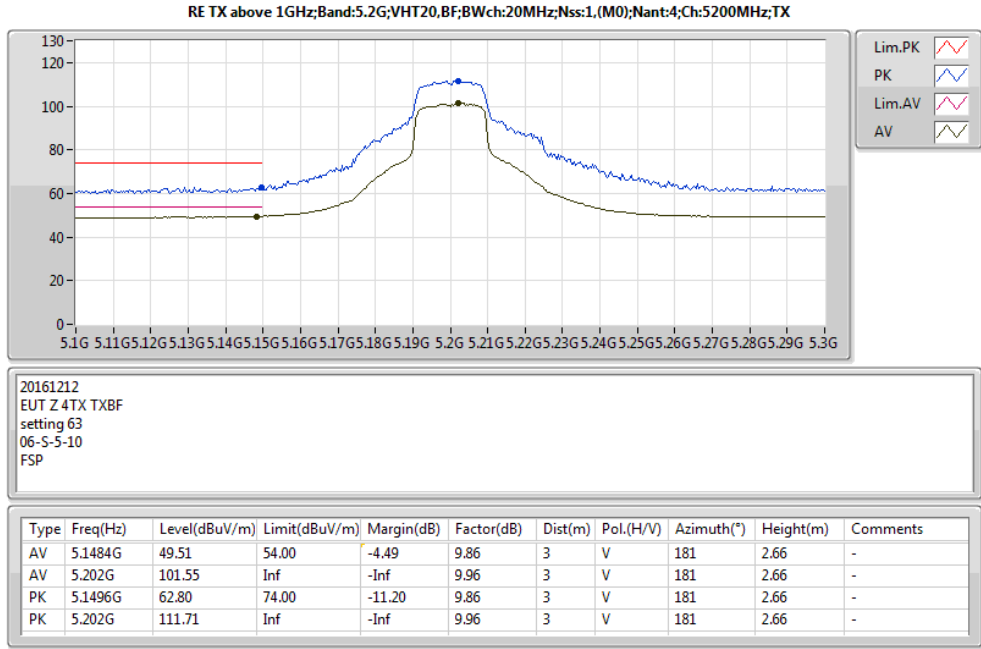
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1496G	53.76	54.00	-0.24	9.86	3	H	70	2.15	-
AV	5.178G	103.19	Inf	-Inf	9.92	3	H	70	2.15	-
PK	5.1496G	70.72	74.00	-3.28	9.86	3	H	70	2.15	-
PK	5.178G	113.25	Inf	-Inf	9.92	3	H	70	2.15	-

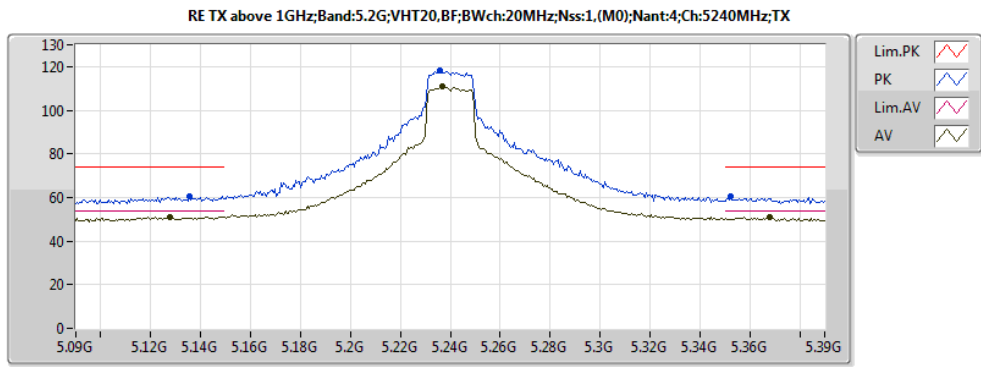


20161212  
EUT Z 4TX TXBF  
setting 63  
06-S-5  
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1484G	50.26	54.00	-3.74	9.86	3	H	77	2.16	-
AV	5.2064G	107.97	Inf	-Inf	9.97	3	H	77	2.16	-
PK	5.1472G	63.73	74.00	-10.27	9.86	3	H	77	2.16	-
PK	5.2076G	117.78	Inf	-Inf	9.97	3	H	77	2.16	-
AV	5.1484G	49.51	54.00	-4.49	9.86	3	V	181	2.66	-
AV	5.202G	101.55	Inf	-Inf	9.96	3	V	181	2.66	-
PK	5.1496G	62.80	74.00	-11.20	9.86	3	V	181	2.66	-
PK	5.202G	111.71	Inf	-Inf	9.96	3	V	181	2.66	-
AV	15.59156G	50.55	54.00	-3.45	20.50	3	H	220	1.77	-
PK	15.6042G	64.90	74.00	-9.10	20.46	3	H	220	1.77	-
AV	15.59076G	50.51	54.00	-3.49	20.50	3	V	137	1.36	-
PK	15.6086G	64.39	74.00	-9.61	20.45	3	V	137	1.36	-

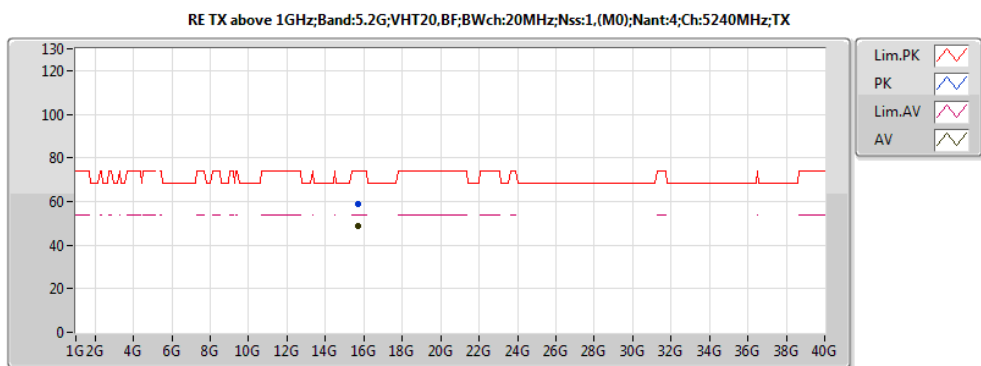






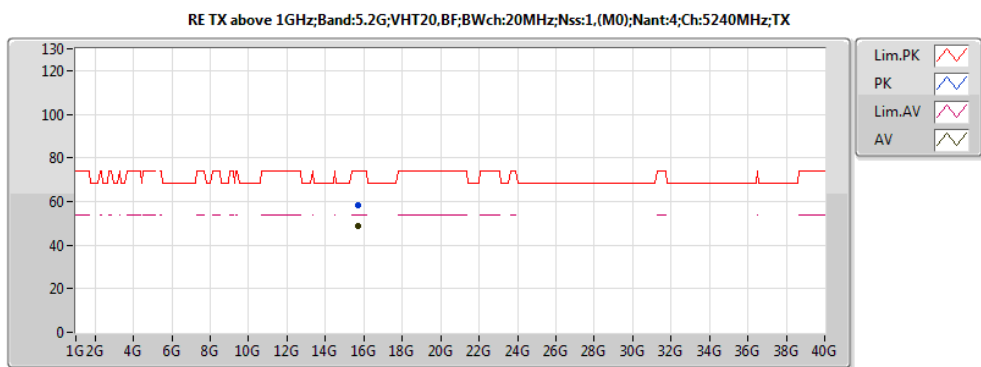
20161121  
EUT Z 4TX TXBF (Client Z)  
Setting 30  
04-W-3-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1278G	51.15	54.00	-2.85	4.70	3	H	122	2.17	-
AV	5.237G	110.74	Inf	-Inf	4.99	3	H	122	2.17	-
AV	5.3678G	50.88	54.00	-3.12	5.11	3	H	122	2.17	-
PK	5.1356G	60.36	74.00	-13.64	4.72	3	H	122	2.17	-
PK	5.2358G	117.96	Inf	-Inf	4.99	3	H	122	2.17	-
PK	5.3522G	60.38	74.00	-13.62	5.10	3	H	122	2.17	-



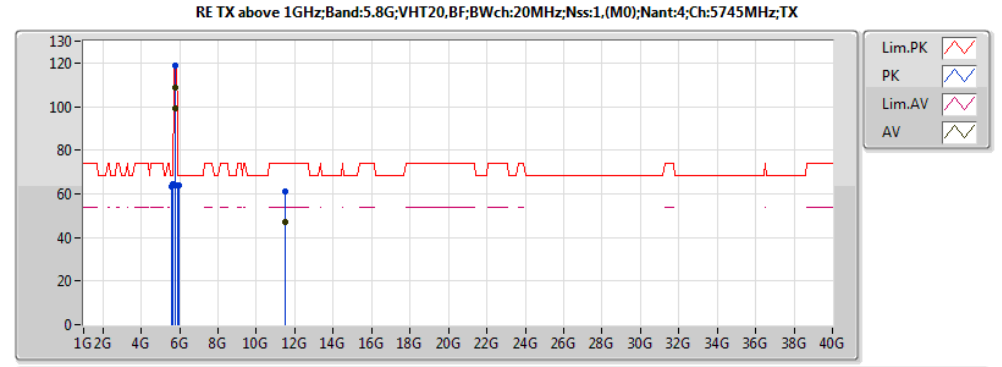
20161121  
EUT Z 4TX TXBF (Client Z)  
Setting 30  
04-W-3

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.71994G	49.00	54.00	-5.00	15.63	3	V	265	1.17	-
PK	15.71586G	58.74	74.00	-15.26	15.64	3	V	265	1.17	-



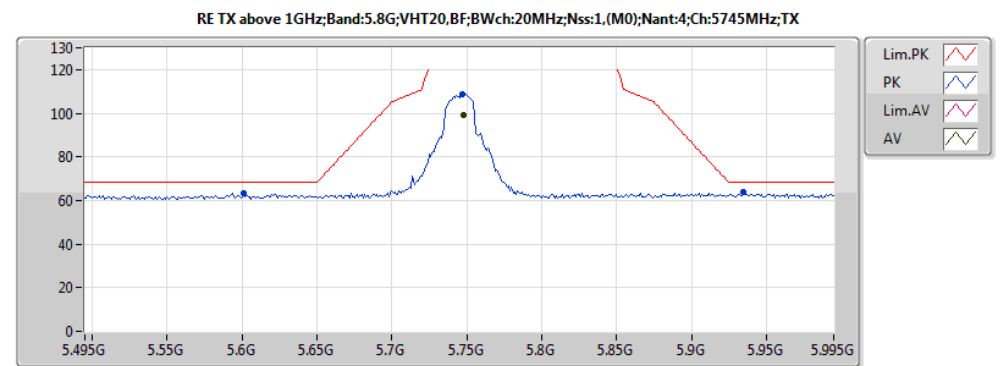
20161121  
EUT Z 4TX TXBF (Client Z)  
Setting 30  
04-W-3

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.71798G	48.87	54.00	-5.13	15.64	3	H	158	2.19	-
PK	15.71706G	58.47	74.00	-15.53	15.64	3	H	158	2.19	-



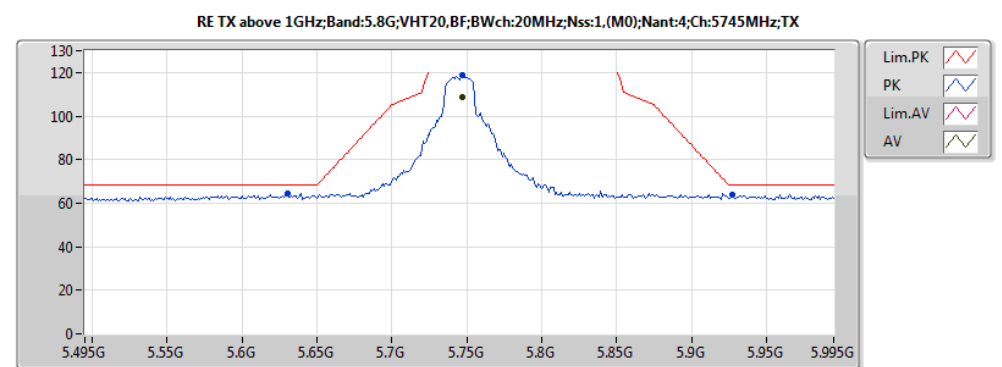
20161212  
EUT Z 4TX TXBF  
setting 63  
06-S-5  
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.747G	108.52	Inf	-Inf	10.80	3	H	246	2.17	-
PK	5.63G	64.66	68.20	-3.54	10.63	3	H	246	2.17	-
PK	5.747G	118.52	Inf	-Inf	10.80	3	H	246	2.17	-
PK	5.927G	63.87	68.20	-4.33	11.22	3	H	246	2.17	-
AV	5.748G	99.07	Inf	-Inf	10.80	3	V	159	2.63	-
PK	5.601G	63.18	68.20	-5.02	10.59	3	V	159	2.63	-
PK	5.747G	108.84	Inf	-Inf	10.80	3	V	159	2.63	-
PK	5.935G	63.88	68.20	-4.32	11.24	3	V	159	2.63	-
AV	11.49816G	47.13	54.00	-6.87	19.38	3	H	192	1.61	-
PK	11.49268G	60.82	74.00	-13.18	19.38	3	H	192	1.61	-
AV	11.48304G	47.14	54.00	-6.86	19.39	3	V	30	1.67	-
PK	11.48968G	60.86	74.00	-13.14	19.38	3	V	30	1.67	-



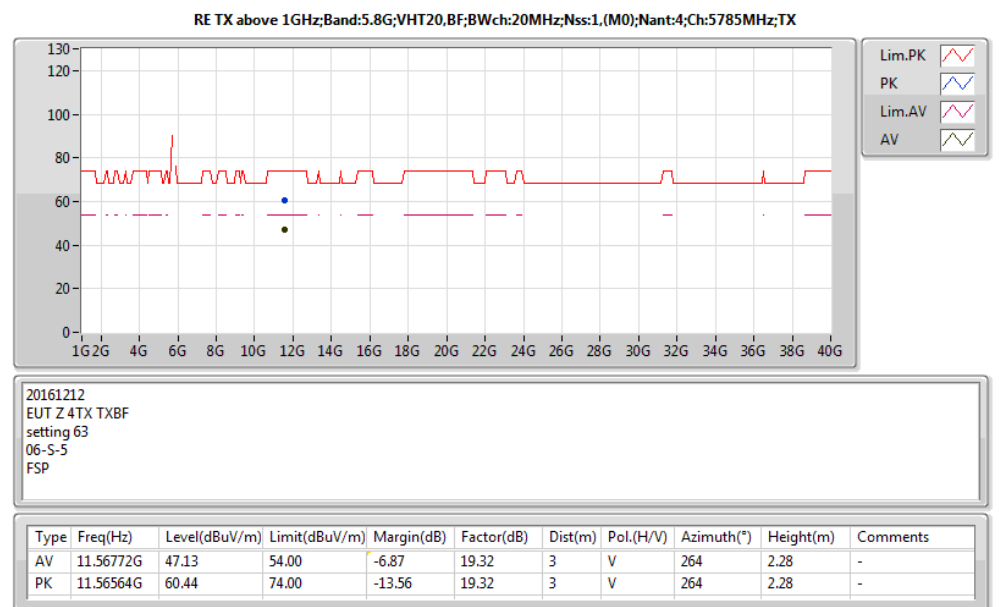
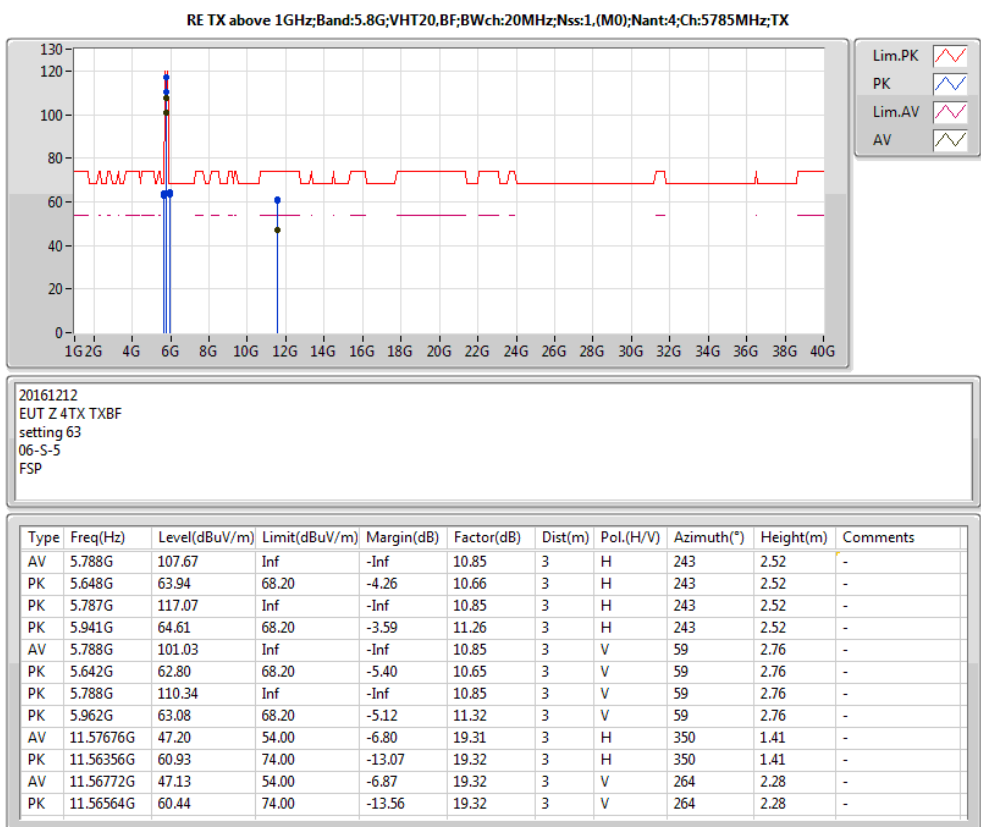
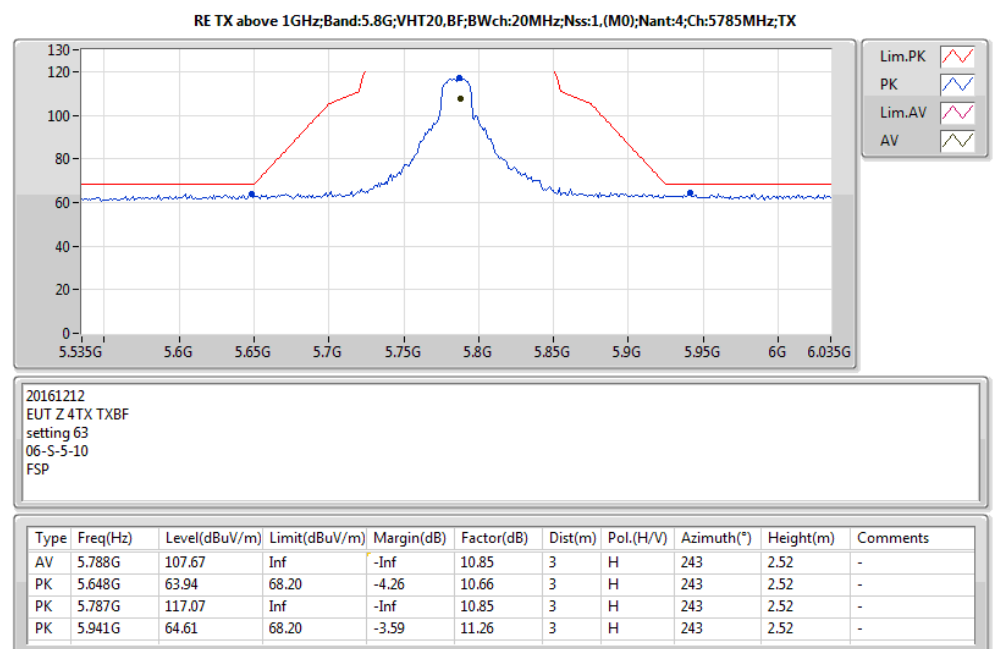
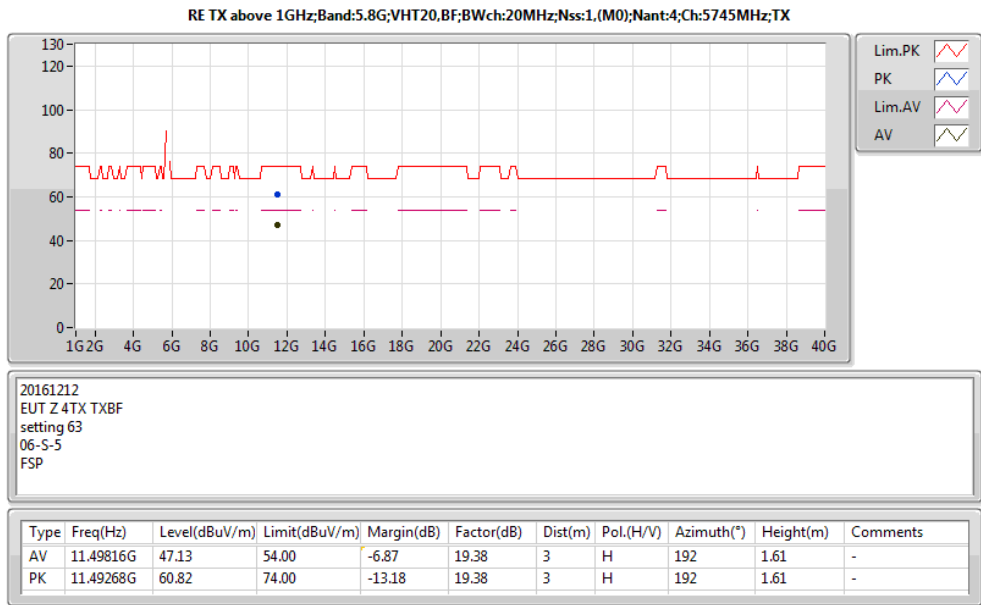
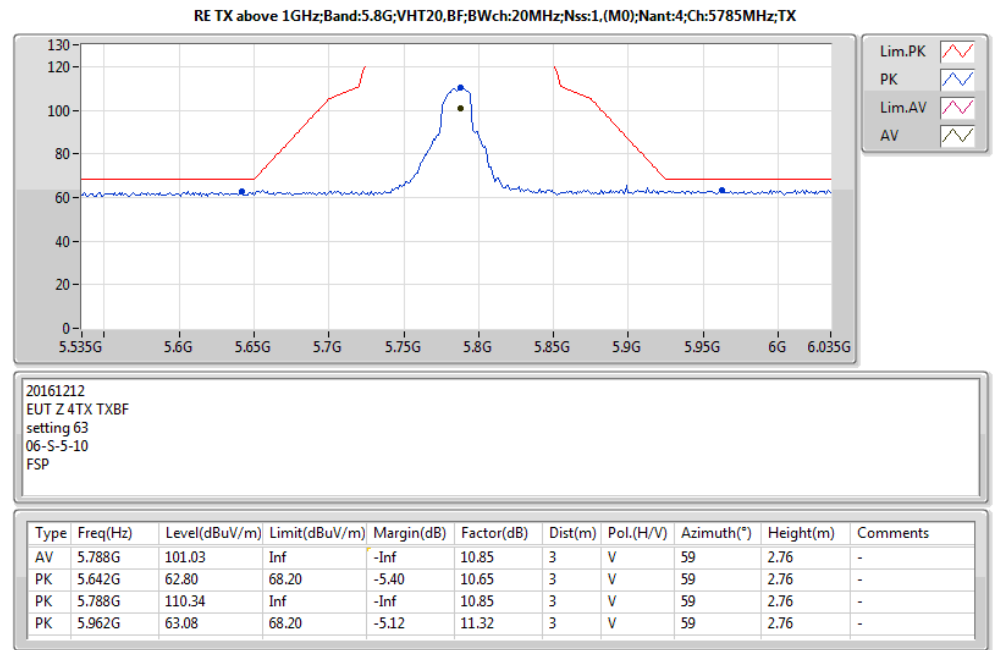
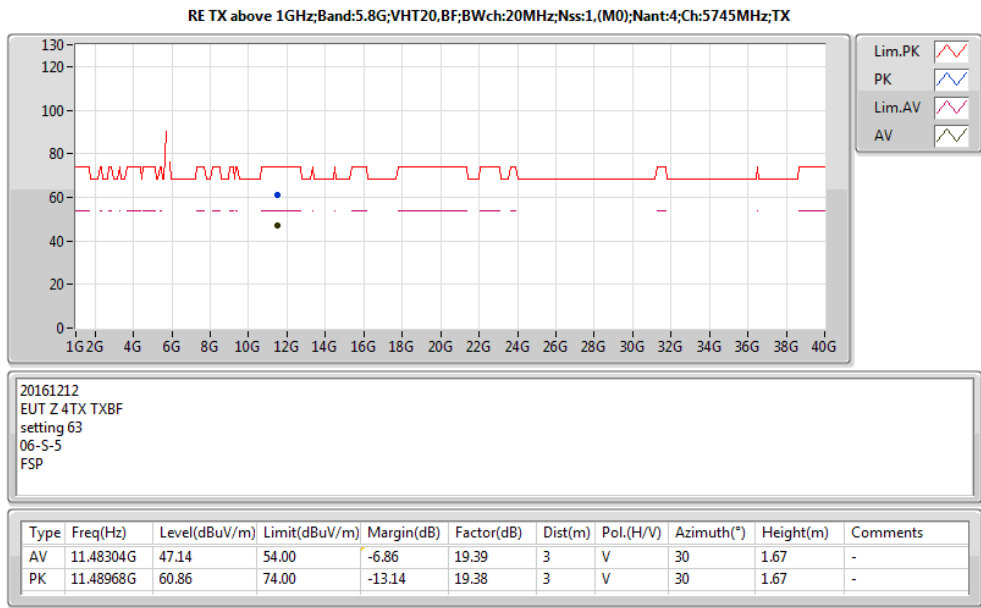
20161212  
EUT Z 4TX TXBF  
setting 63  
06-S-5-10  
FSP

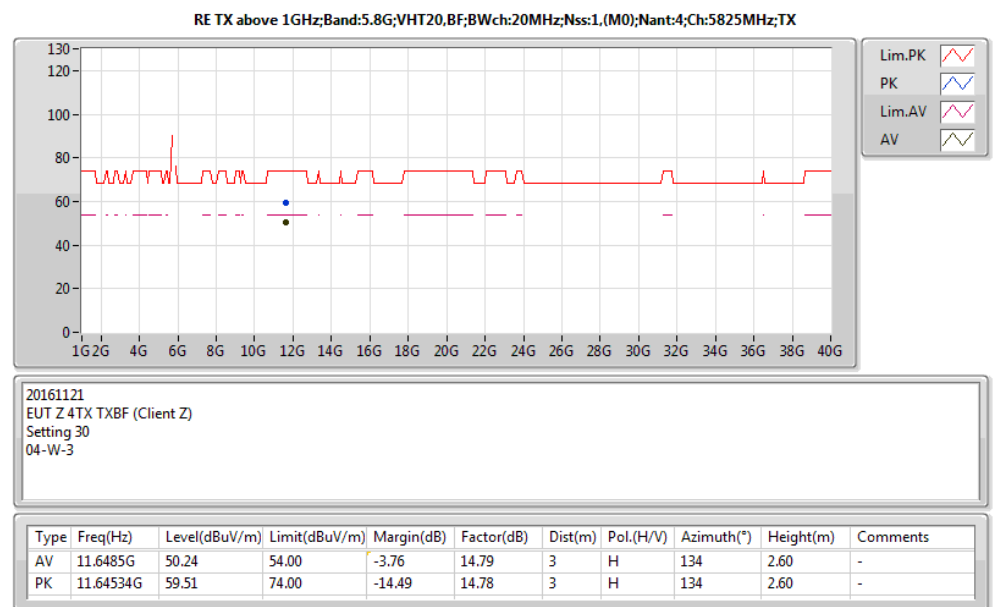
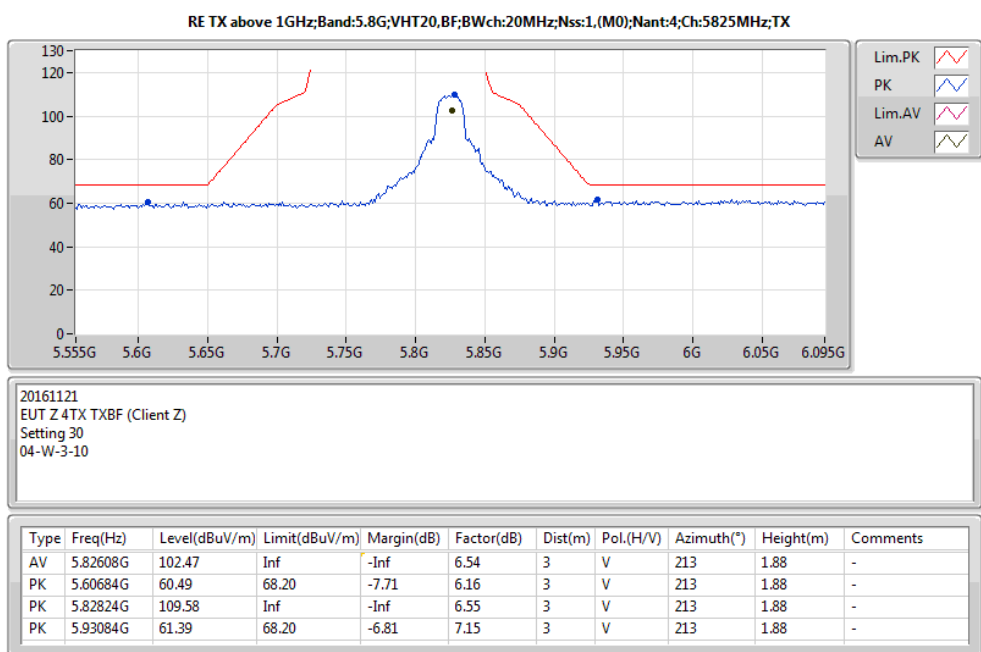
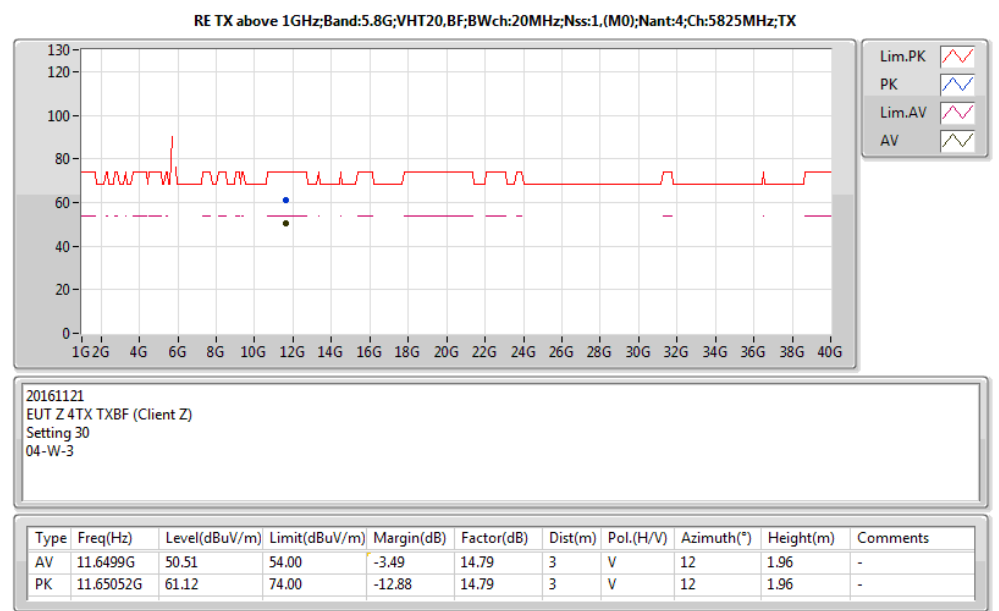
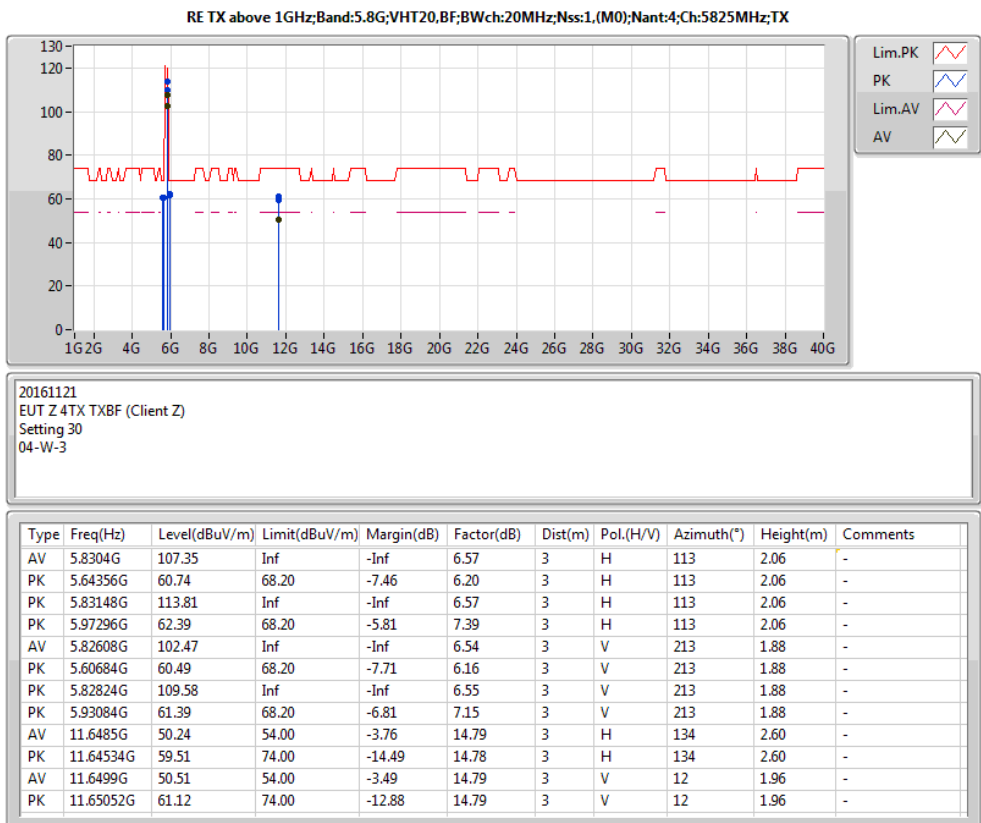
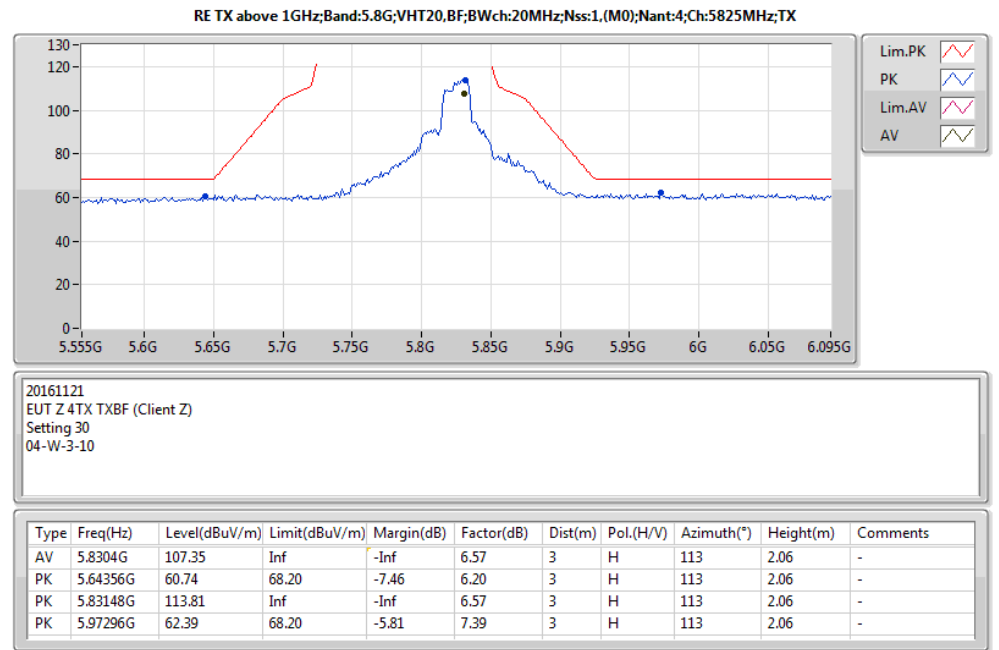
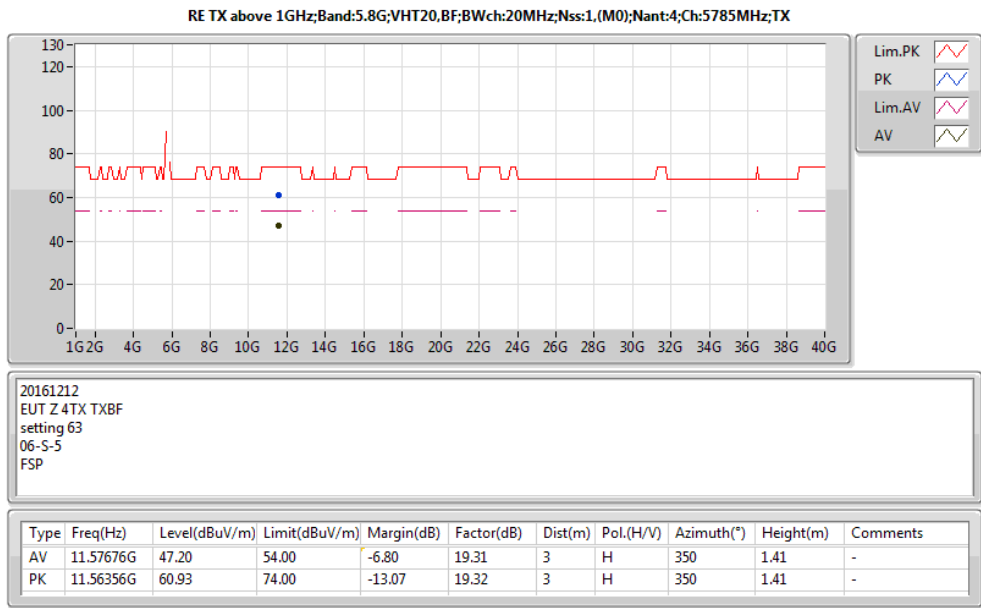
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.748G	99.07	Inf	-Inf	10.80	3	V	159	2.63	-
PK	5.601G	63.18	68.20	-5.02	10.59	3	V	159	2.63	-
PK	5.747G	108.84	Inf	-Inf	10.80	3	V	159	2.63	-
PK	5.935G	63.88	68.20	-4.32	11.24	3	V	159	2.63	-

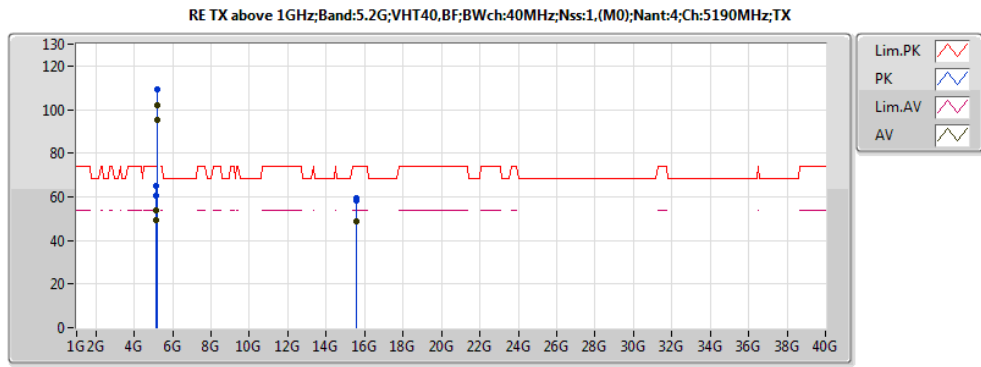


20161212  
EUT Z 4TX TXBF  
setting 63  
06-S-5-10  
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.747G	108.52	Inf	-Inf	10.80	3	H	246	2.17	-
PK	5.63G	64.66	68.20	-3.54	10.63	3	H	246	2.17	-
PK	5.747G	118.52	Inf	-Inf	10.80	3	H	246	2.17	-
PK	5.927G	63.87	68.20	-4.33	11.22	3	H	246	2.17	-

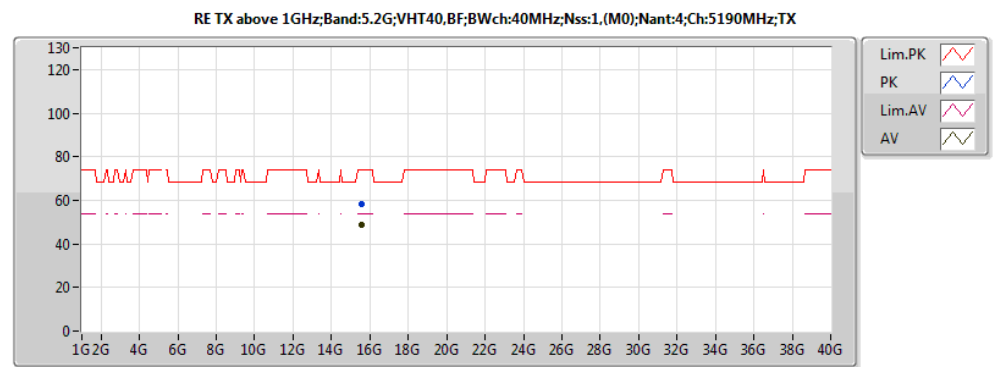






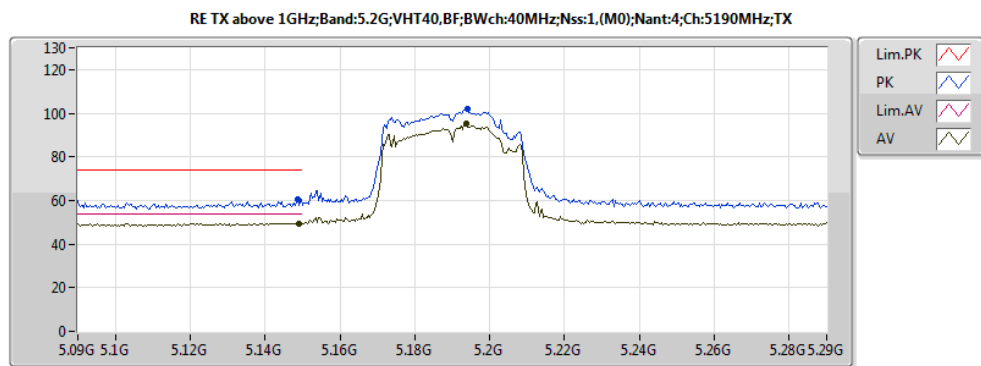
20161121  
EUT Z 4TX TXBF (Client Z)  
Setting 14  
04-W-3

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1476G	53.94	54.00	-0.06	4.77	3	H	122	1.98	-
AV	5.184G	102.01	Inf	-Inf	4.89	3	H	122	1.98	-
PK	5.1496G	65.10	74.00	-8.90	4.77	3	H	122	1.98	-
PK	5.1844G	109.39	Inf	-Inf	4.90	3	H	122	1.98	-
AV	5.1492G	49.59	54.00	-4.41	4.77	3	V	59	2.64	-
AV	5.1936G	95.28	Inf	-Inf	4.93	3	V	59	2.64	-
PK	5.1488G	60.47	74.00	-13.53	4.77	3	V	59	2.64	-
PK	5.194G	101.96	Inf	-Inf	4.93	3	V	59	2.64	-
AV	15.57098G	48.93	54.00	-5.07	15.72	3	H	227	1.54	-
PK	15.57154G	59.42	74.00	-14.58	15.72	3	H	227	1.54	-
AV	15.5662G	48.77	54.00	-5.23	15.72	3	V	186	2.79	-
PK	15.57252G	58.29	74.00	-15.71	15.72	3	V	186	2.79	-



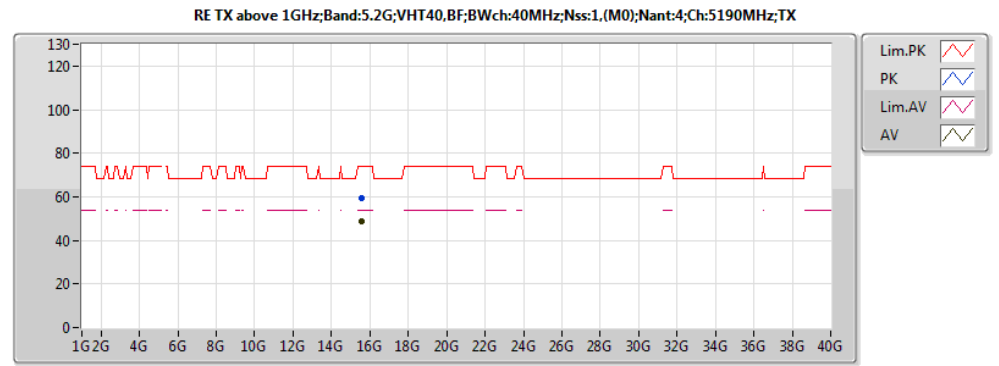
20161121  
EUT Z 4TX TXBF (Client Z)  
Setting 14  
04-W-3

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.5662G	48.77	54.00	-5.23	15.72	3	V	186	2.79	-
PK	15.57252G	58.29	74.00	-15.71	15.72	3	V	186	2.79	-



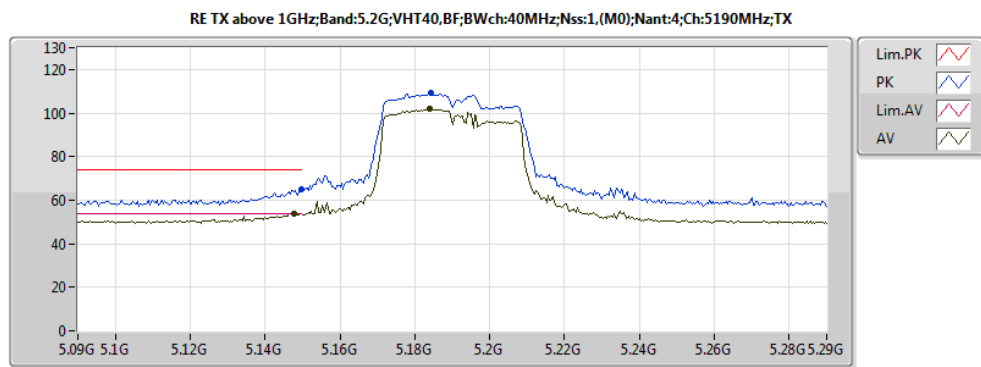
20161121  
EUT Z 4TX TXBF (Client Z)  
Setting 14  
04-W-3-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1492G	49.59	54.00	-4.41	4.77	3	V	59	2.64	-
AV	5.1936G	95.28	Inf	-Inf	4.93	3	V	59	2.64	-
PK	5.1488G	60.47	74.00	-13.53	4.77	3	V	59	2.64	-
PK	5.194G	101.96	Inf	-Inf	4.93	3	V	59	2.64	-



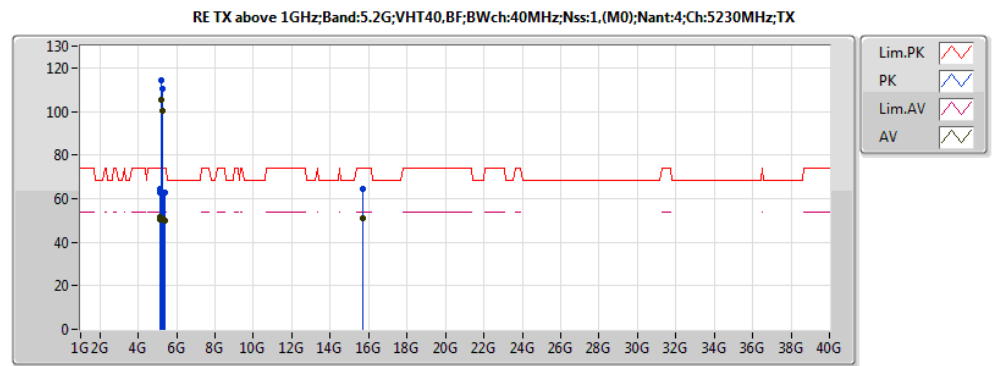
20161121  
EUT Z 4TX TXBF (Client Z)  
Setting 14  
04-W-3

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.57098G	48.93	54.00	-5.07	15.72	3	H	227	1.54	-
PK	15.57154G	59.42	74.00	-14.58	15.72	3	H	227	1.54	-



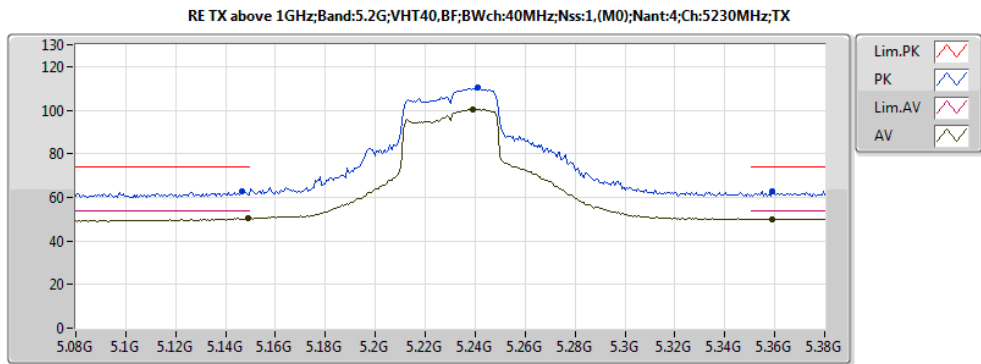
20161121  
EUT Z 4TX TXBF (Client Z)  
Setting 14  
04-W-3-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1476G	53.94	54.00	-0.06	4.77	3	H	122	1.98	-
AV	5.184G	102.01	Inf	-Inf	4.89	3	H	122	1.98	-
PK	5.1496G	65.10	74.00	-8.90	4.77	3	H	122	1.98	-
PK	5.1844G	109.39	Inf	-Inf	4.90	3	H	122	1.98	-



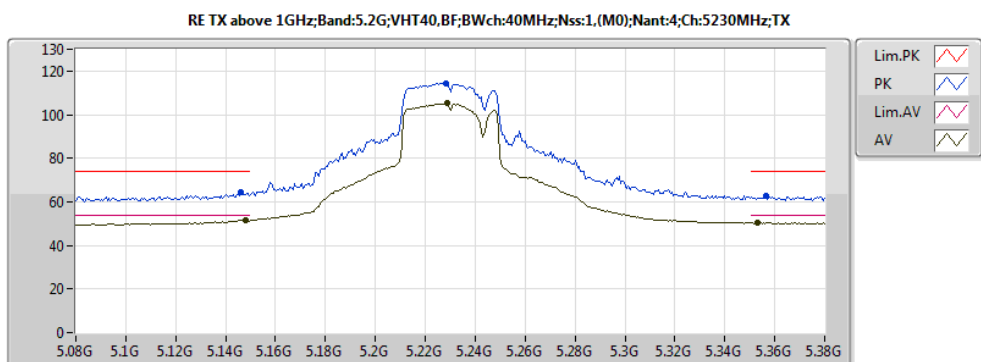
20161212  
EUT Z 4TX TXBF  
setting 63  
06-S-5  
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1478G	51.53	54.00	-2.47	9.86	3	H	75	2.27	-
AV	5.2288G	105.15	Inf	-Inf	9.99	3	H	75	2.27	-
AV	5.353G	50.53	54.00	-3.47	10.13	3	H	75	2.27	-
PK	5.146G	64.34	74.00	-9.66	9.86	3	H	75	2.27	-
PK	5.2282G	114.44	Inf	-Inf	9.99	3	H	75	2.27	-
PK	5.3566G	62.48	74.00	-11.52	10.13	3	H	75	2.27	-
AV	5.149G	50.23	54.00	-3.77	9.86	3	V	177	2.50	-
AV	5.239G	100.46	Inf	-Inf	10.00	3	V	177	2.50	-
AV	5.359G	50.09	54.00	-3.91	10.13	3	V	177	2.50	-
PK	5.1466G	62.60	74.00	-11.40	9.86	3	V	177	2.50	-
PK	5.2408G	110.14	Inf	-Inf	10.00	3	V	177	2.50	-
PK	5.359G	62.90	74.00	-11.10	10.13	3	V	177	2.50	-
AV	15.68016G	51.07	54.00	-2.93	20.24	3	H	303	2.47	-
PK	15.69648G	64.50	74.00	-9.50	20.19	3	H	303	2.47	-
AV	15.69544G	50.75	54.00	-3.25	20.20	3	V	259	2.00	-
PK	15.68236G	64.33	74.00	-9.67	20.23	3	V	259	2.00	-



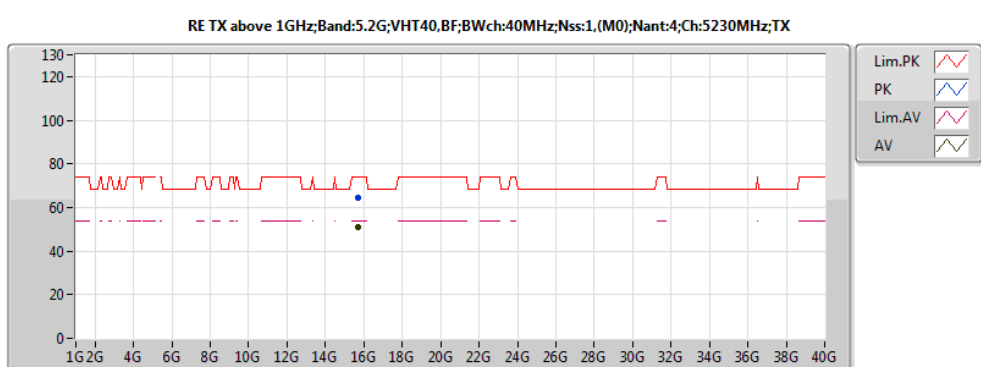
20161212  
EUT Z 4TX TXBF  
setting 63  
06-S-5-10  
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149G	50.23	54.00	-3.77	9.86	3	V	177	2.50	-
AV	5.239G	100.46	Inf	-Inf	10.00	3	V	177	2.50	-
AV	5.359G	50.09	54.00	-3.91	10.13	3	V	177	2.50	-
PK	5.146G	62.60	74.00	-11.40	9.86	3	V	177	2.50	-
PK	5.240G	110.14	Inf	-Inf	10.00	3	V	177	2.50	-
PK	5.359G	62.90	74.00	-11.10	10.13	3	V	177	2.50	-



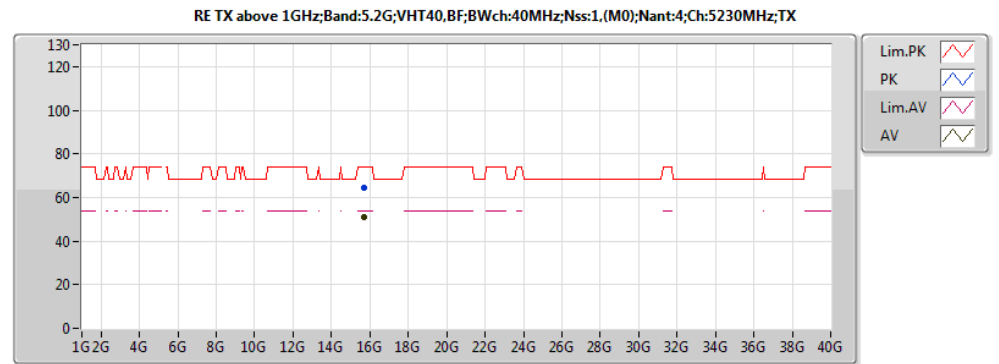
20161212  
EUT Z 4TX TXBF  
setting 63  
06-S-5-10  
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1478G	51.53	54.00	-2.47	9.86	3	H	75	2.27	-
AV	5.2288G	105.15	Inf	-Inf	9.99	3	H	75	2.27	-
AV	5.353G	50.53	54.00	-3.47	10.13	3	H	75	2.27	-
PK	5.146G	64.34	74.00	-9.66	9.86	3	H	75	2.27	-
PK	5.2282G	114.44	Inf	-Inf	9.99	3	H	75	2.27	-
PK	5.3566G	62.48	74.00	-11.52	10.13	3	H	75	2.27	-



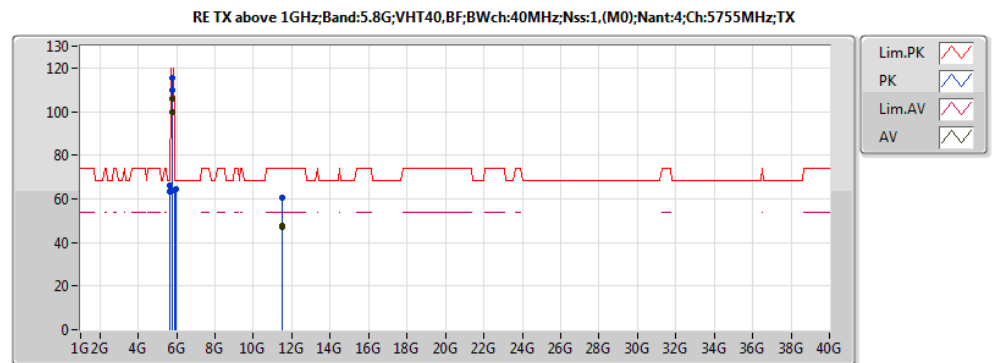
20161212  
EUT Z 4TX TXBF  
setting 63  
06-S-5  
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.69544G	50.75	54.00	-3.25	20.20	3	V	259	2.00	-
PK	15.68236G	64.33	74.00	-9.67	20.23	3	V	259	2.00	-



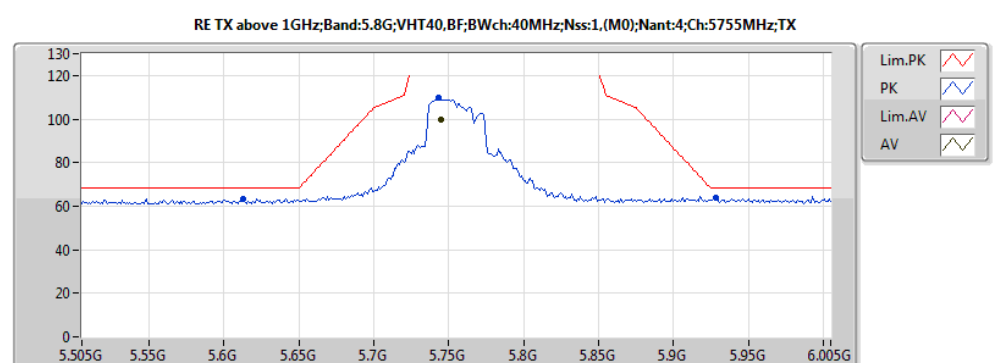
20161212  
EUT Z 4TX TXBF  
setting 63  
06-S-5  
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.68016G	51.07	54.00	-2.93	20.24	3	H	303	2.47	-
PK	15.69648G	64.50	74.00	-9.50	20.19	3	H	303	2.47	-



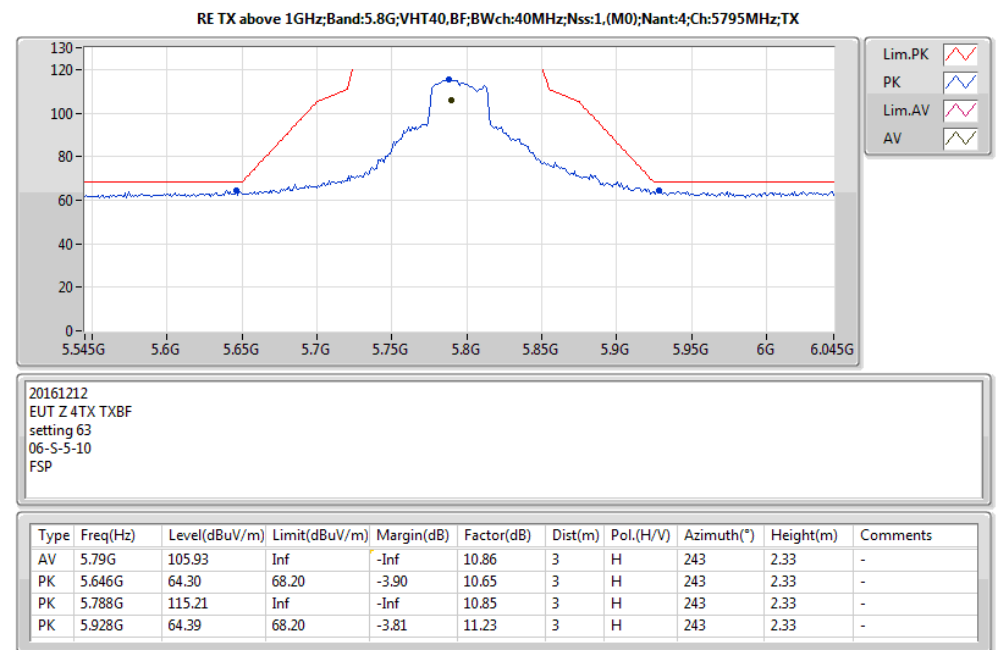
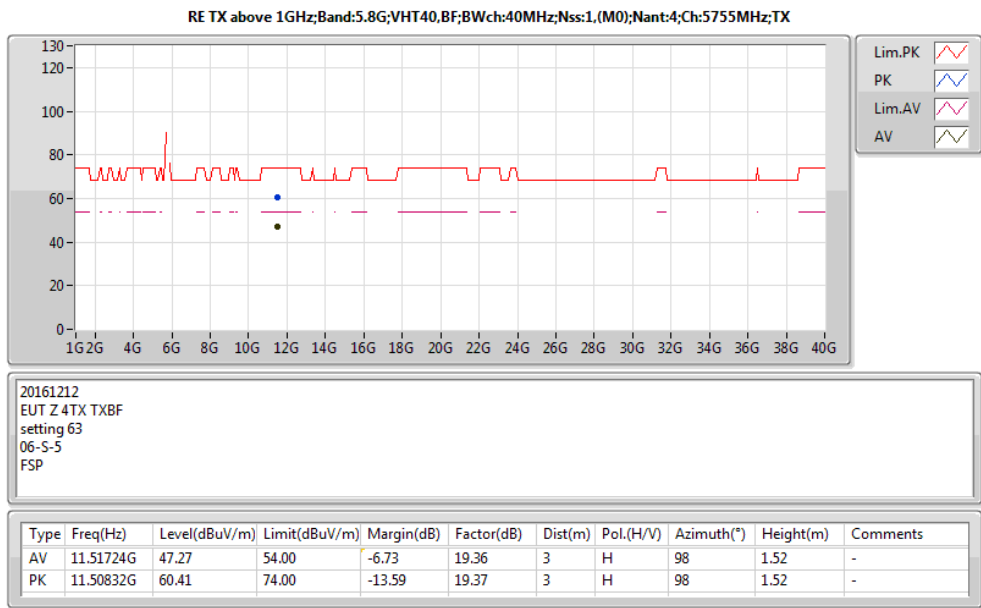
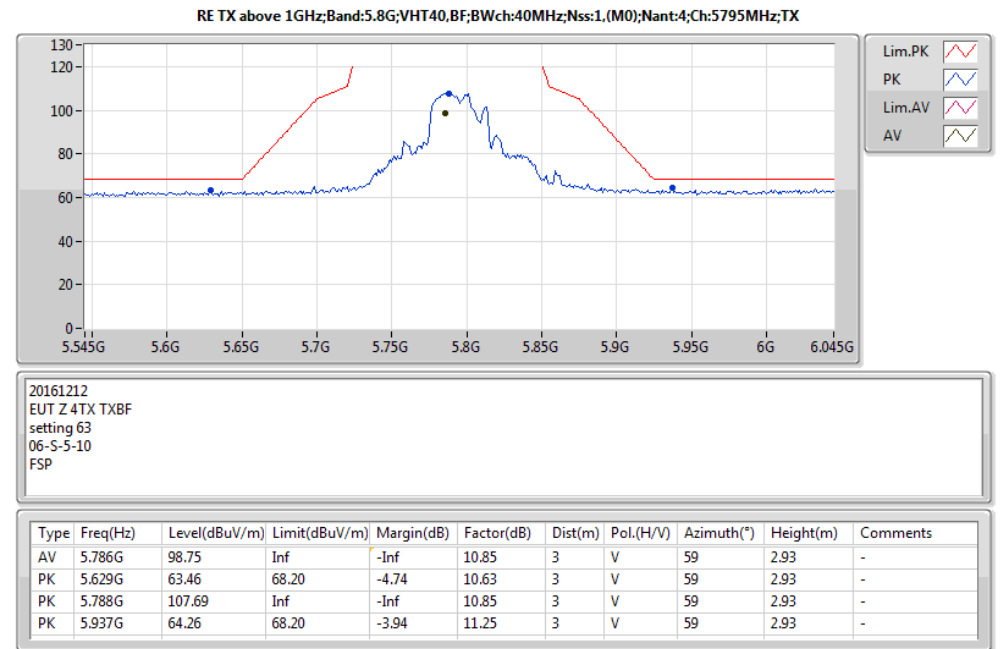
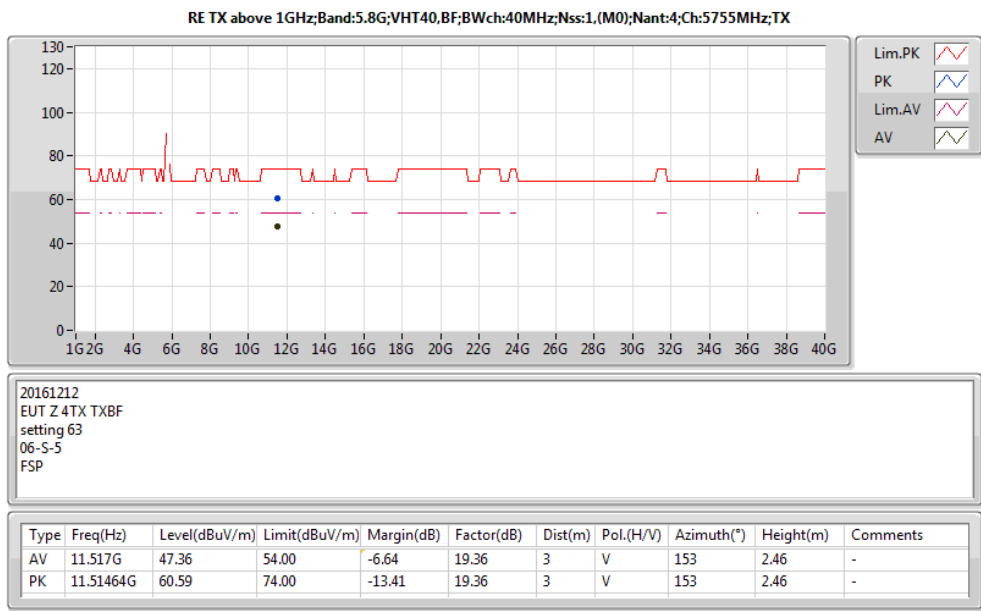
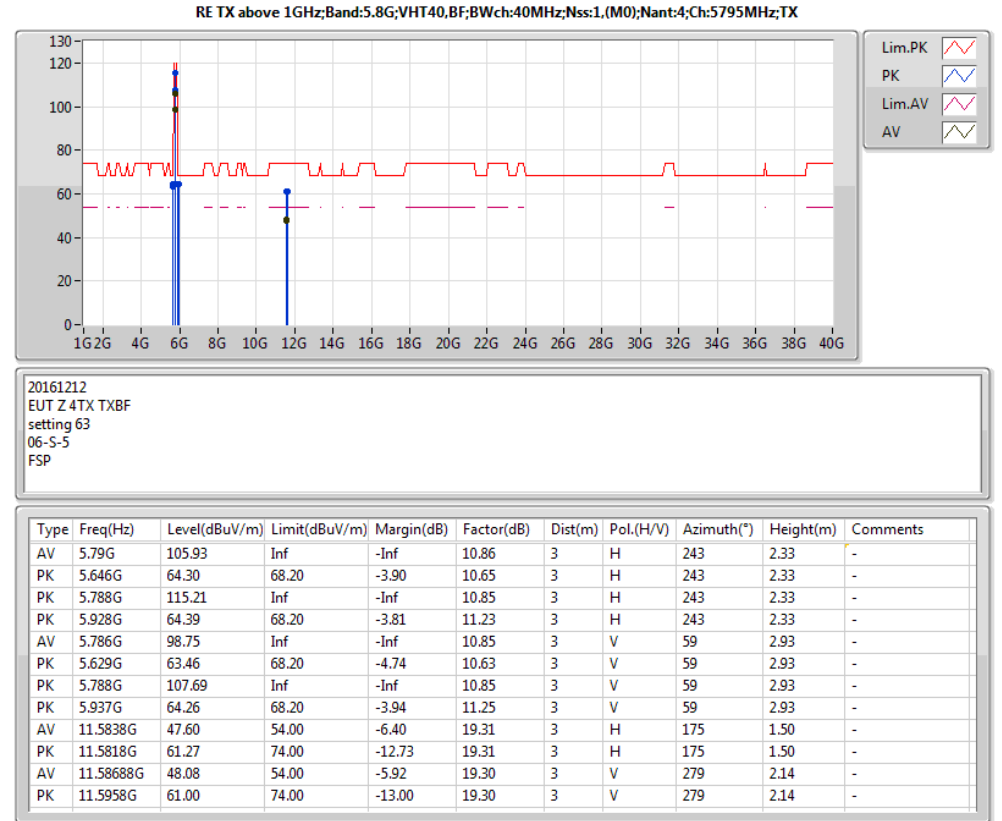
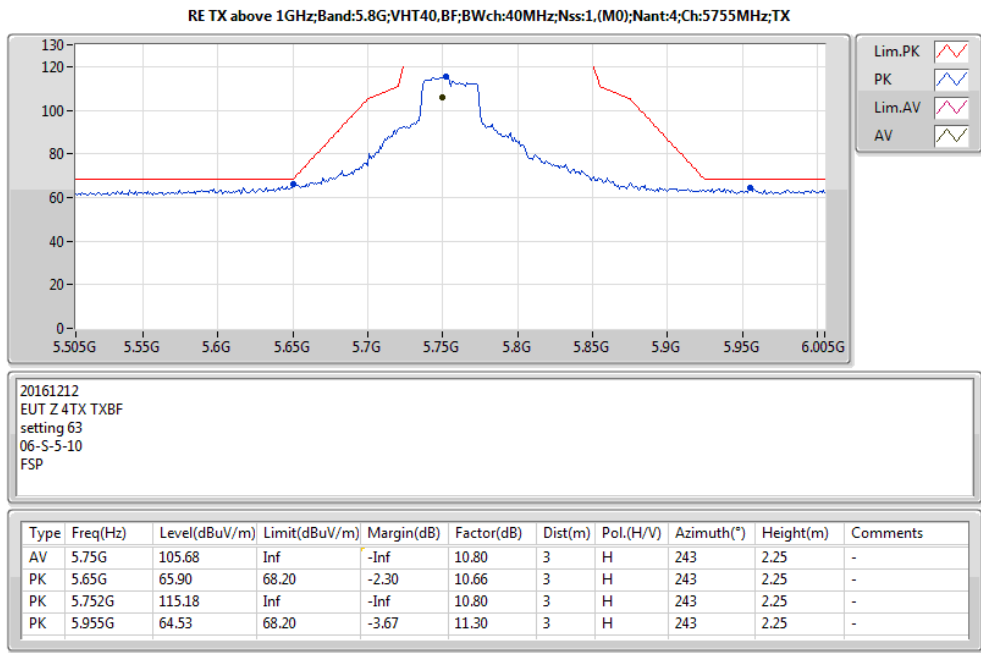
20161212  
EUT Z 4TX TXBF  
setting 63  
06-S-5  
FSP

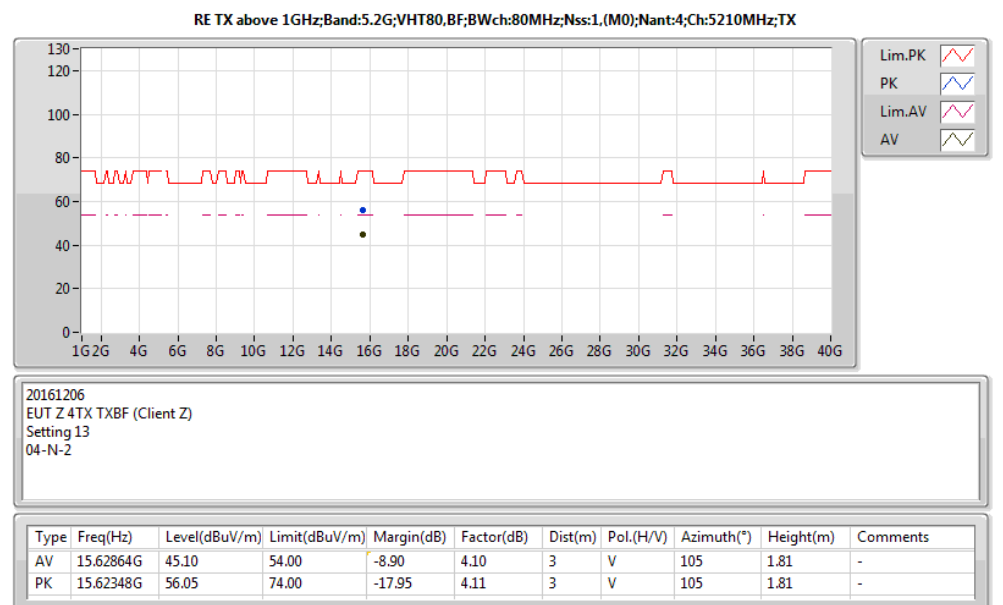
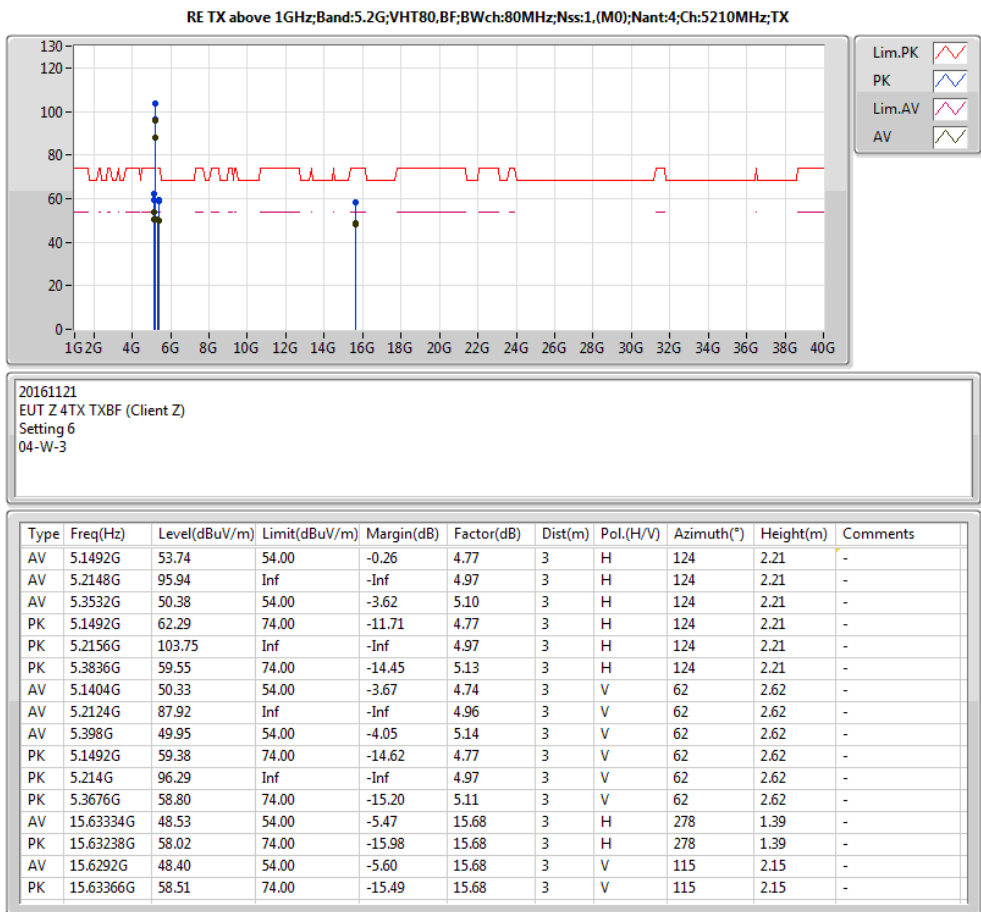
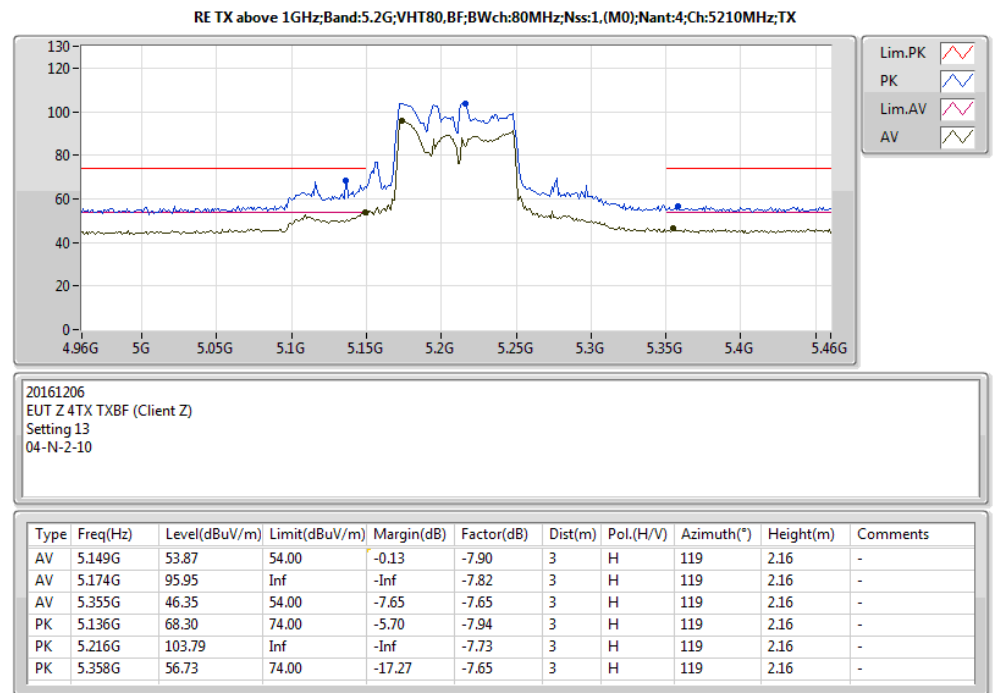
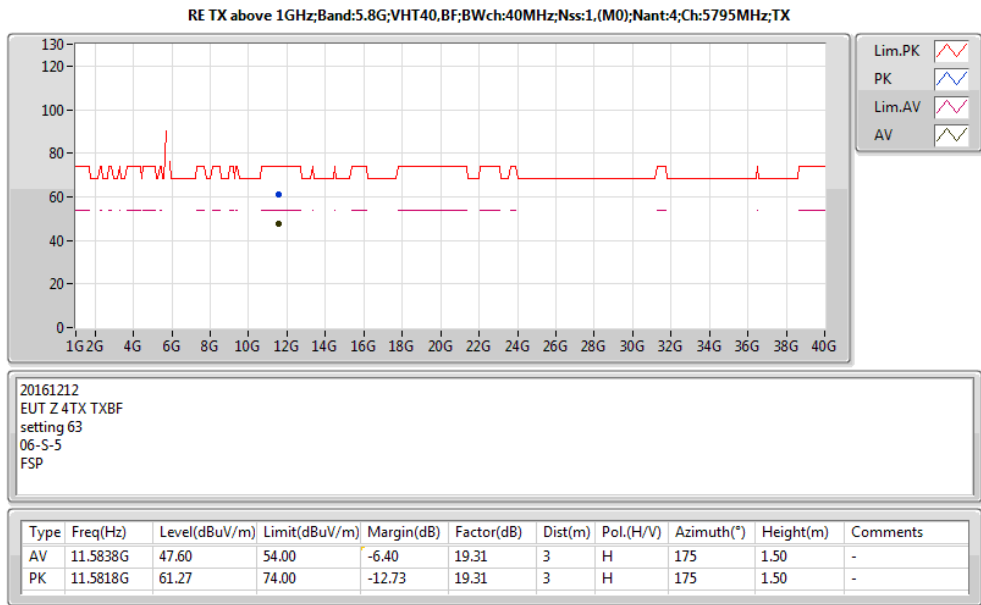
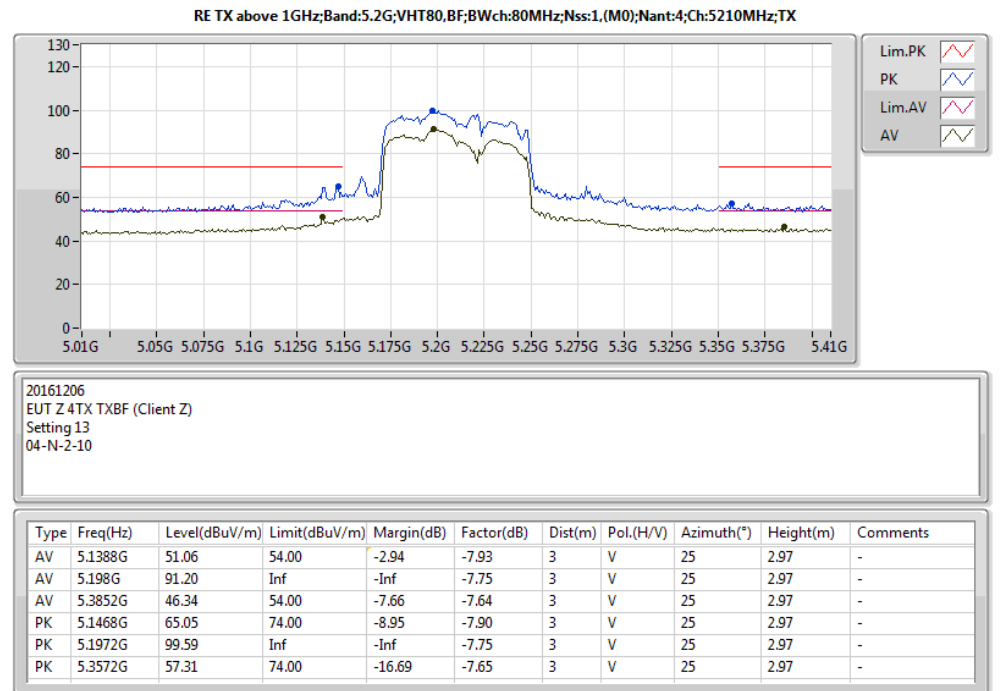
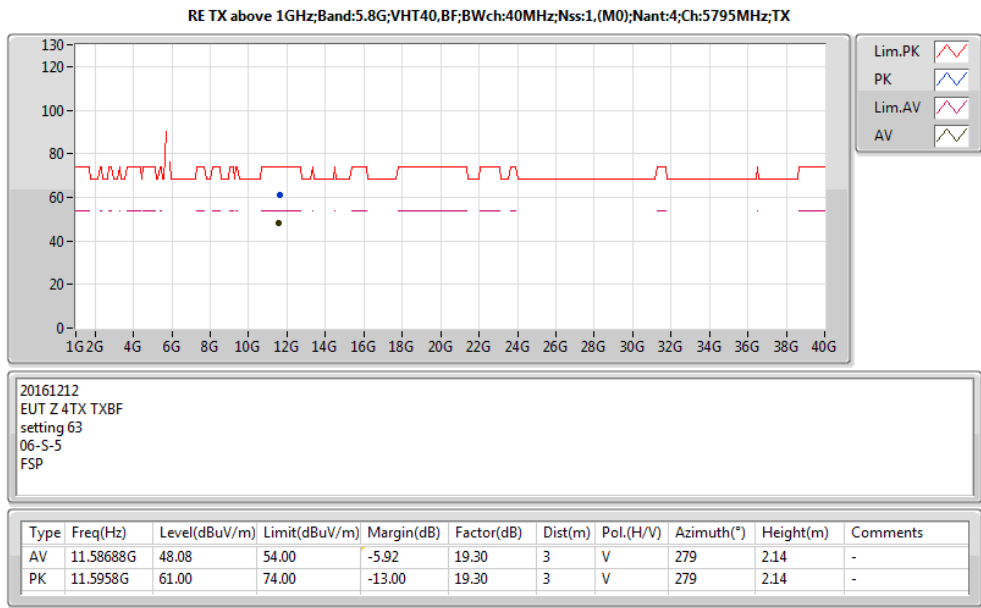
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.75G	105.68	Inf	-Inf	10.80	3	H	243	2.25	-
PK	5.65G	65.90	68.20	-2.30	10.66	3	H	243	2.25	-
PK	5.752G	115.18	Inf	-Inf	10.80	3	H	243	2.25	-
PK	5.955G	64.53	68.20	-3.67	11.30	3	H	243	2.25	-
AV	5.745G	100.01	Inf	-Inf	10.79	3	V	169	2.86	-
PK	5.613G	63.49	68.20	-4.71	10.61	3	V	169	2.86	-
PK	5.743G	109.61	Inf	-Inf	10.79	3	V	169	2.86	-
PK	5.928G	63.67	68.20	-4.53	11.23	3	V	169	2.86	-
AV	11.51724G	47.27	54.00	-6.73	19.36	3	H	98	1.52	-
PK	11.50832G	60.41	74.00	-13.59	19.37	3	H	98	1.52	-
AV	11.517G	47.36	54.00	-6.64	19.36	3	V	153	2.46	-
PK	11.51464G	60.59	74.00	-13.41	19.36	3	V	153	2.46	-



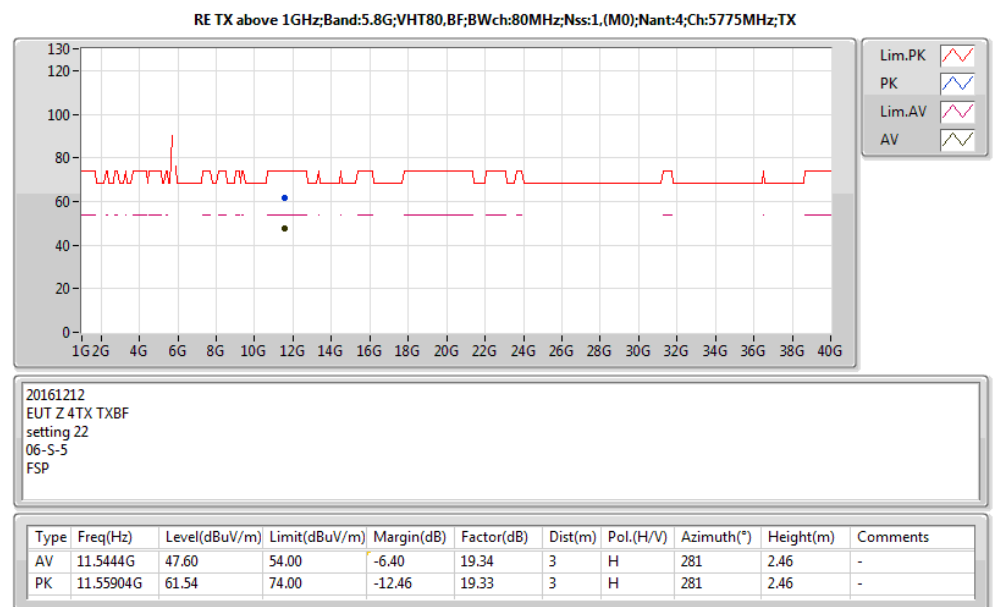
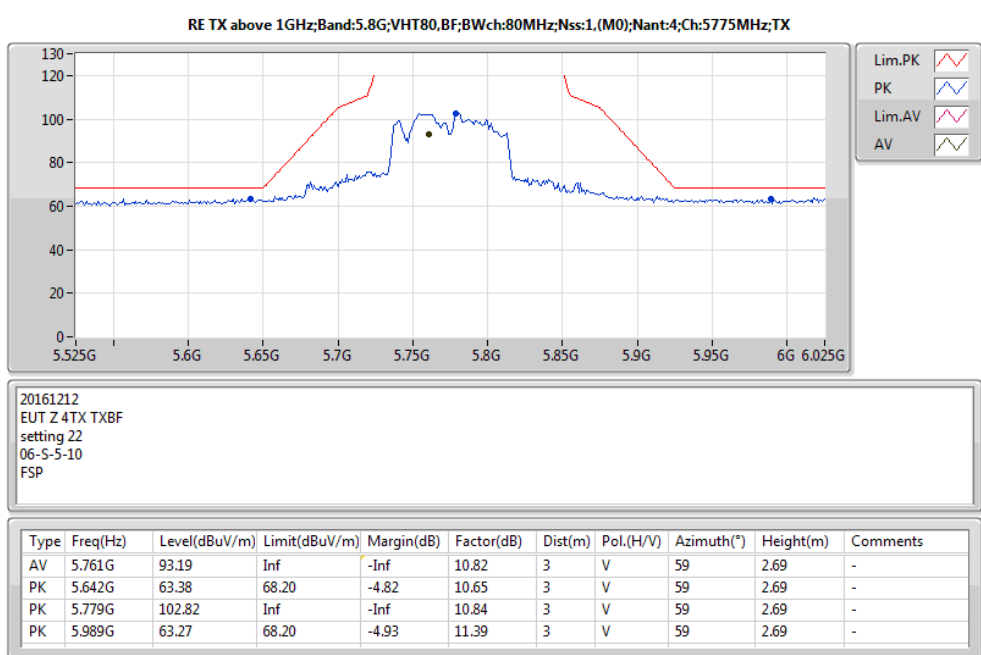
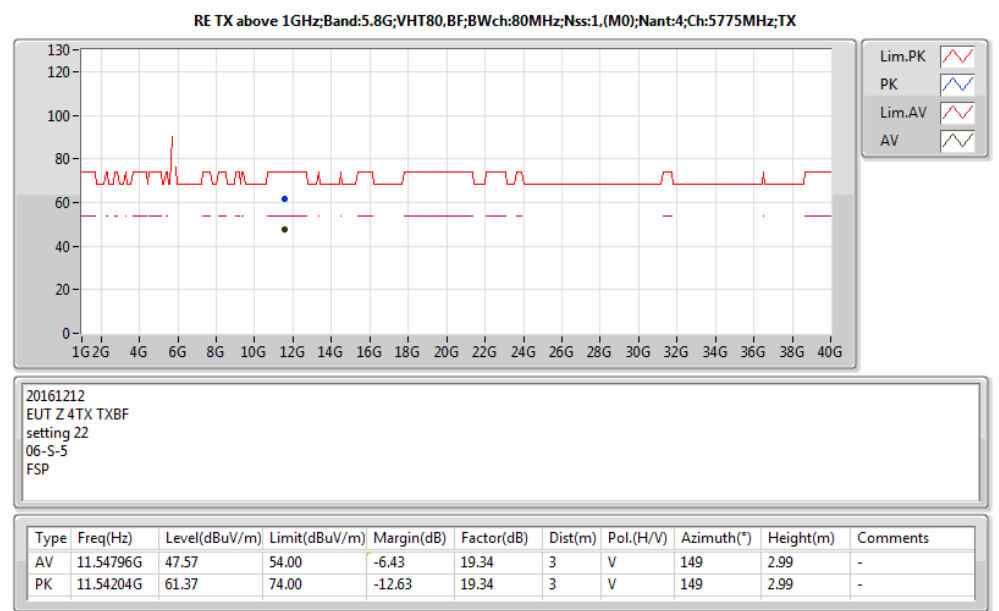
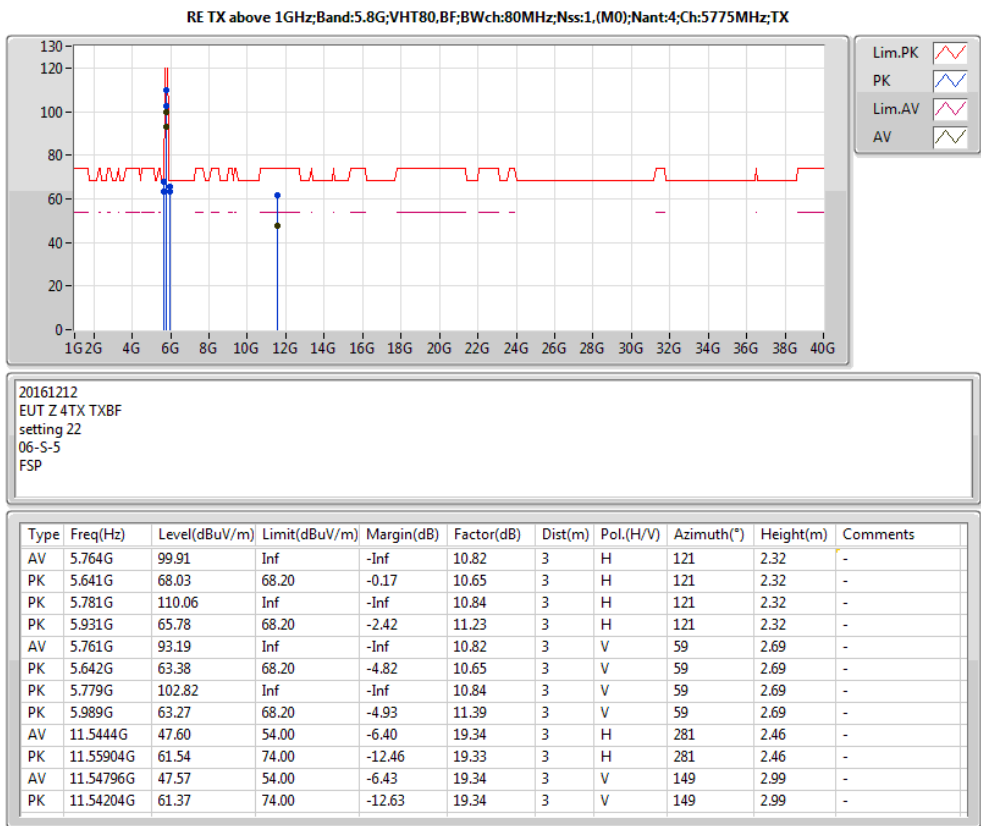
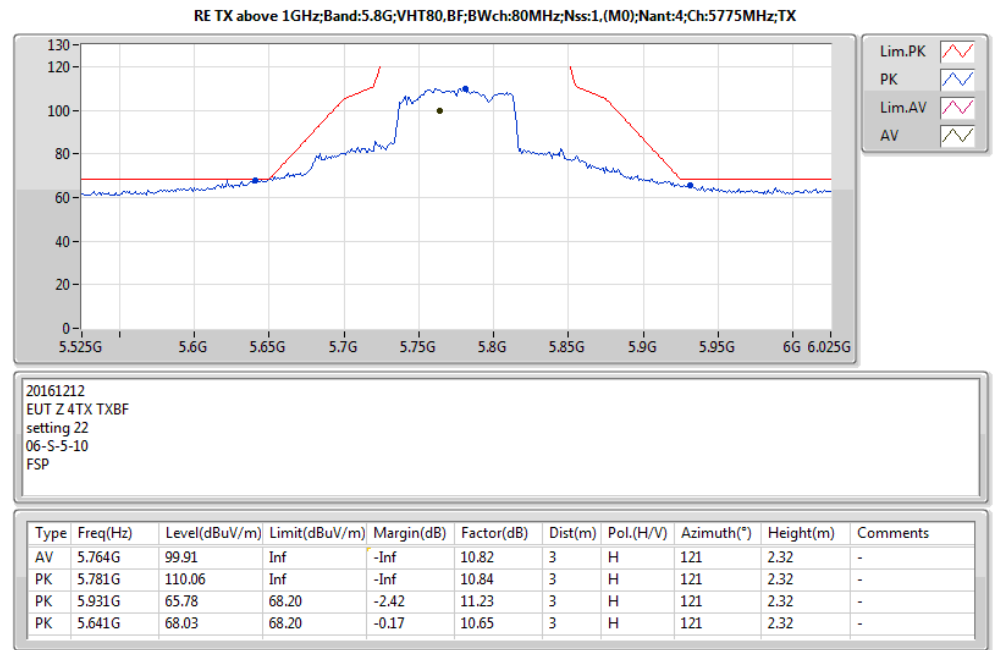
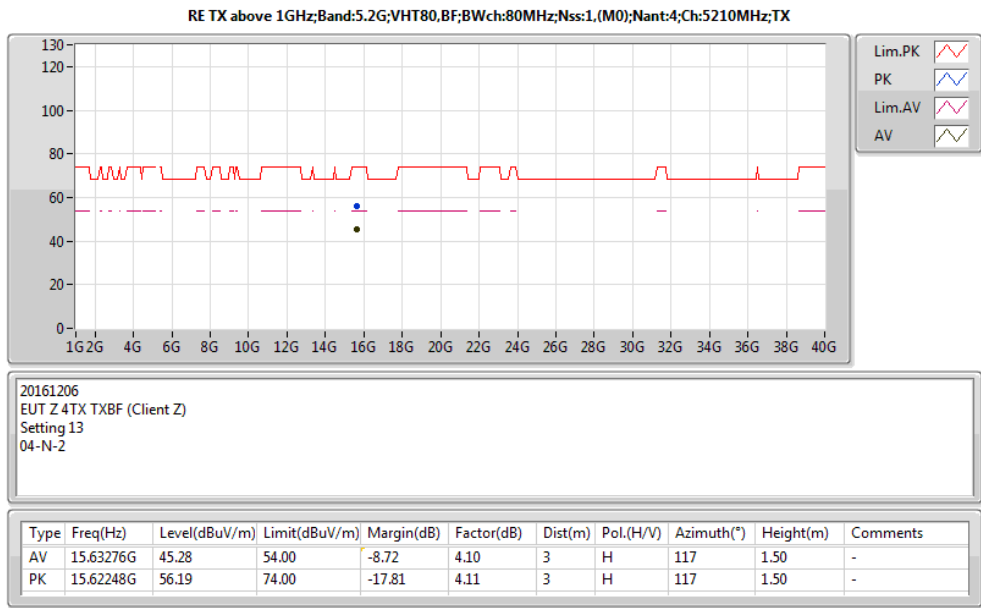
20161212  
EUT Z 4TX TXBF  
setting 63  
06-S-5-10  
FSP

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.745G	100.01	Inf	-Inf	10.79	3	V	169	2.86	-
PK	5.613G	63.49	68.20	-4.71	10.61	3	V	169	2.86	-
PK	5.743G	109.61	Inf	-Inf	10.79	3	V	169	2.86	-
PK	5.928G	63.67	68.20	-4.53	11.23	3	V	169	2.86	-









Mode: 20 MHz / Ant. 2

Voltage vs. Frequency Stability

Voltage (V)	Measurement Frequency (MHz)			
	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5199.9639	5199.9633	5199.9629	5199.9621
110.00	5199.9635	5199.9627	5199.9623	5199.9622
93.50	5199.9631	5199.9621	5199.9614	5199.9612
Max. Deviation (MHz)	0.0369	0.0379	0.0386	0.0388
Max. Deviation (ppm)	7.10	7.29	7.42	7.46
Result	Pass			

Temperature vs. Frequency Stability

Temperature (°C)	Measurement Frequency (MHz)			
	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5199.9609	5199.9607	5199.9601	5199.9599
10	5199.9621	5199.9619	5199.9615	5199.9610
20	5199.9635	5199.9629	5199.9623	5199.9619
30	5199.9958	5199.9948	5199.9938	5199.9931
40	5199.9974	5199.9966	5199.9959	5199.9955
Max. Deviation (MHz)	0.0412	0.0413	0.0418	0.0427
Max. Deviation (ppm)	7.92	7.94	8.04	8.21
Result	Pass			

Voltage vs. Frequency Stability

Voltage (V)	Measurement Frequency (MHz)			
	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5784.9641	5784.9635	5784.9629	5784.9623
110.00	5784.9635	5784.9627	5784.9621	5784.9611
93.50	5784.9632	5784.9624	5784.9617	5784.9613
Max. Deviation (MHz)	0.0368	0.0376	0.0383	0.0389
Max. Deviation (ppm)	6.36	6.50	6.62	6.72
Result	Pass			

Temperature vs. Frequency Stability

Temperature (°C)	Measurement Frequency (MHz)			
	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5784.9630	5784.9622	5784.9613	5784.9609
10	5784.9631	5784.9626	5784.9616	5784.9613
20	5784.9635	5784.9627	5784.9625	5784.9624
30	5784.9958	5784.9951	5784.9947	5784.9941
40	5784.9971	5784.9961	5784.9955	5784.9946
Max. Deviation (MHz)	0.0407	0.0414	0.0417	0.0426
Max. Deviation (ppm)	7.04	7.16	7.21	7.36
Result	Pass			

Mode: 40 MHz / Ant. 2

Voltage vs. Frequency Stability

Voltage (V)	Measurement Frequency (MHz)			
	5190 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5189.9639	5189.9638	5189.9632	5189.9622
110.00	5189.9635	5189.9627	5189.9623	5189.9621
93.50	5189.9627	5189.9620	5189.9612	5189.9606
Max. Deviation (MHz)	0.0373	0.0380	0.0388	0.0394
Max. Deviation (ppm)	7.19	7.32	7.48	7.59
Result	Pass			

Temperature vs. Frequency Stability

Temperature (°C)	Measurement Frequency (MHz)			
	5190 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5189.9625	5189.9617	5189.9616	5189.9611
10	5189.9629	5189.9621	5189.9613	5189.9612
20	5189.9635	5189.9628	5189.9627	5189.9622
30	5189.9958	5189.9955	5189.9952	5189.9950
40	5189.9975	5189.9968	5189.9966	5189.9961
Max. Deviation (MHz)	0.0410	0.0420	0.0424	0.0433
Max. Deviation (ppm)	7.90	8.09	8.17	8.34
Result	Pass			

Voltage vs. Frequency Stability

Voltage (V)	Measurement Frequency (MHz)			
	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5754.9645	5754.9644	5754.9643	5754.9636
110.00	5754.9635	5754.9626	5754.9616	5754.9615
93.50	5754.9631	5754.9624	5754.9617	5754.9610
Max. Deviation (MHz)	0.0369	0.0376	0.0384	0.0390
Max. Deviation (ppm)	6.41	6.53	6.67	6.78
Result	Pass			

Temperature vs. Frequency Stability

Temperature (°C)	Measurement Frequency (MHz)			
	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5754.9603	5754.9599	5754.9598	5754.9595
10	5754.9618	5754.9613	5754.9611	5754.9608
20	5754.9635	5754.9626	5754.9620	5754.9618
30	5754.9958	5754.9957	5754.9947	5754.9937
40	5754.9978	5754.9973	5754.9967	5754.9962
Max. Deviation (MHz)	0.0443	0.0452	0.0453	0.0463
Max. Deviation (ppm)	7.70	7.85	7.87	8.05
Result	Pass			

Mode: 80 MHz / Ant. 2

**Voltage vs. Frequency Stability**

Voltage	Measurement Frequency (MHz)			
	5210 MHz			
(V)	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5209.9638	5209.9637	5209.9631	5209.9626
110.00	5209.9635	5209.9629	5209.9619	5209.9614
93.50	5209.9634	5209.9627	5209.9617	5209.9607
Max. Deviation (MHz)	0.0366	0.0373	0.0383	0.0393
Max. Deviation (ppm)	7.02	7.16	7.35	7.54
Result	Pass			

**Temperature vs. Frequency Stability**

Temperature	Measurement Frequency (MHz)			
	5210 MHz			
(°C)	0 Minute	2 Minute	5 Minute	10 Minute
0	5209.9598	5209.9594	5209.9587	5209.9581
10	5209.9617	5209.9612	5209.9608	5209.9598
20	5209.9635	5209.9632	5209.9630	5209.9620
30	5209.9958	5209.9954	5209.9949	5209.9939
40	5209.9960	5209.9951	5209.9948	5209.9945
Max. Deviation (MHz)	0.0430	0.0434	0.0442	0.0451
Max. Deviation (ppm)	8.25	8.33	8.48	8.66
Result	Pass			

**Voltage vs. Frequency Stability**

Voltage	Measurement Frequency (MHz)			
	5775 MHz			
(V)	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5774.9637	5774.9628	5774.9622	5774.9617
110.00	5774.9635	5774.9632	5774.9628	5774.9623
93.50	5774.9630	5774.9622	5774.9619	5774.9609
Max. Deviation (MHz)	0.0370	0.0378	0.0381	0.0391
Max. Deviation (ppm)	6.41	6.55	6.60	6.77
Result	Pass			

**Temperature vs. Frequency Stability**

Temperature	Measurement Frequency (MHz)			
	5775 MHz			
(°C)	0 Minute	2 Minute	5 Minute	10 Minute
0	5774.9609	5774.9599	5774.9593	5774.9592
10	5774.9615	5774.9606	5774.9599	5774.9593
20	5774.9635	5774.9629	5774.9626	5774.9617
30	5774.9958	5774.9957	5774.9951	5774.9943
40	5774.9961	5774.9956	5774.9948	5774.9939
Max. Deviation (MHz)	0.0433	0.0441	0.0444	0.0447
Max. Deviation (ppm)	7.50	7.64	7.69	7.74
Result	Pass			