



FCC Test Report

Equipment : Genie Air
Brand Name : AT&T DIRECTV
Model No. : HS17-100
FCC ID : G95HS17
Standard : 47 CFR FCC Part 15.407
Operating Band : 5150 MHz – 5250 MHz
 : 5725 MHz – 5850 MHz
Applicant : Technicolor Connected Home USA LLC
 : 5030 Sugarloaf Parkway Building 6 Lawrenceville
 : Georgia United States 30044
Manufacturer : Technicolor Connected Home USA LLC
 : 5030 Sugarloaf Parkway Building 6 Lawrenceville
 : Georgia United States 30044
Function : Outdoor; Indoor; Fixed P2P
 : Client

The product sample received on Nov. 03, 2016 and completely tested on Nov. 30, 2016. We, SPORTON, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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


 Sam Chen
 SPORTON INTERNATIONAL INC.





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Summary of Test Result

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



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	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	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	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).
- ◆ 11n HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ◆ VHT20, VHT40 and VHT80 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- ◆ BWch is the nominal channel bandwidth.
- ◆ Nss-Min is the minimum number of spatial streams.
- ◆ Nant is the number of outputs. e.g., 2(2,3) means have 2 outputs for port 2 and port 3. 2 means have 2 outputs for port 1 and port 2.

1.1.2 Antenna Information

Ant.	Chain	Brand	P/N	Antenna Type	Connector
1	1	Airgain	N24X2B2T1YE-W70U	PIFA Antenna	U.FL
2	2	Airgain	N24X2BTYN-B120U	PIFA Antenna	U.FL
3	3	Airgain	N5X35BYN-E125U	PIFA Antenna	U.FL
4	4	Airgain	N5X35B2YN-R110U	PIFA Antenna	U.FL
5	5	Airgain	N5X35BYN-A110U	PIFA Antenna	U.FL
6	6	Airgain	N5X35BT2YW-G120U	PIFA Antenna	U.FL
7	7	-	-	PCB printed IFA	-
8	8	-	-	PCB printed IFA	-

Frequency (MHz)	Antenna Gain (dBi)			
	Ant. 1	Ant. 2	Ant. 7	Ant. 8
2.4G	4.60	4.60	-	-
Zigbee	-	-	4.00	4.00

Frequency (MHz)	Composite Gain (dBi)				Max Composite Gain (dBi)			
	Ant. 3	Ant. 4	Ant. 5	Ant. 6	4T1S	4T2S	4T3S	4T4S
UNII-1	2.69	2.86	4.02	4.30	6.82	3.96	2.23	1.26
UNII-3	2.48	2.24	2.49	2.50	6.13	3.12	2.06	0.29

Note1: The EUT has eight antennas.

Note2: Ant. 1~Ant. 8 connect to chain 1~chain 8.

For 2.4GHz WLAN function:

For IEEE 802.11b/g mode (1TX/1RX)

The EUT supports the antenna with TX and RX diversity functions.

Both Chain 1 and Chain 2 support transmit and receive functions, but only one of them will be used at one time.

The Chain 1 generated the worst case, so it was selected to test and record in the report.

For IEEE 802.11n mode (2TX/2RX)

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

Chain 1 and Chain 2 could transmit/receive simultaneously.



For 5GHz WLAN function:

For IEEE 802.11n/ac mode (4TX/4RX)

Chain 3, Chain 4, Chain 5 and Chain 6 can be used as transmitting/receiving antenna.

Chain 3, Chain 4, Chain 5 and Chain 6 could transmit/receive simultaneously.

For Zigbee function:

For Zigbee mode (1TX/1RX)

The EUT supports the antenna with TX and RX diversity functions.

Both Chain 7 and Chain 8 support transmit and receive functions, but only one of them will be used at one time.

The Chain 8 generated the worst case, so it was selected to test and record in the report.

1.1.3 Mode Test Duty Cycle

For 4T1S

Mode	DC	T(s)	VBW(Hz) ≥ 1/T
VHT20	0.995	n/a (DC>=0.98)	n/a (DC>=0.98)
VHT20,BF	0.997	n/a (DC>=0.98)	n/a (DC>=0.98)
VHT40	0.995	n/a (DC>=0.98)	n/a (DC>=0.98)
VHT40,BF	0.938	2.788m	1k
VHT80	0.986	n/a (DC>=0.98)	n/a (DC>=0.98)
VHT80,BF	0.973	4.615m	300

For 4T2S

Mode	DC	T(s)	VBW(Hz) ≥ 1/T
VHT20,BF	0.949	4.322m	300
VHT40,BF	0.955	2.147m	1k
VHT80,BF	0.958	6.282m	300

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter		
Beamforming Function	<input checked="" type="checkbox"/> With beamforming for 802.11n/ac in 5GHz	<input type="checkbox"/>	Without beamforming



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
- ◆ FCC KDB 412172 D01 v01

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	Andy Tsai	25°C / 60%	Nov. 29, 2016
Radiated	03CH01-CB	Jeff Wu / Steven Liang / Welson Chen / Nyle Chang / Paul Chen	25°C / 60%	Nov. 06, 2016 ~Nov. 30, 2016
AC Conduction	CO01-CB	Da Deng	23°C / 61%	Nov. 29, 2016

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

1.4 Measurement Uncertainty

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

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



2 Test Configuration of EUT

2.1 Test Channel Mode

For 4T1S

Band	Mode	BWch (MHz)	Nss-Min	Nant	Ch. (MHz)	Range	Power Setting
5.2G	VHT20	20	1,(M0)	4	5180	L	23
5.2G	VHT20	20	1,(M0)	4	5200	M	23
5.2G	VHT20	20	1,(M0)	4	5240	H	23
5.8G	VHT20	20	1,(M0)	4	5745	L	23
5.8G	VHT20	20	1,(M0)	4	5785	M	23
5.8G	VHT20	20	1,(M0)	4	5825	H	23
5.2G	VHT40	40	1,(M0)	4	5190	L	19
5.2G	VHT40	40	1,(M0)	4	5230	H	23
5.8G	VHT40	40	1,(M0)	4	5755	L	23
5.8G	VHT40	40	1,(M0)	4	5795	H	23
5.2G	VHT80	80	1,(M0)	4	5210	S	17
5.8G	VHT80	80	1,(M0)	4	5775	S	23
5.2G	VHT20,BF	20	1,(M0)	4	5180	L	22
5.2G	VHT20,BF	20	1,(M0)	4	5200	M	22
5.2G	VHT20,BF	20	1,(M0)	4	5240	H	22
5.8G	VHT20,BF	20	1,(M0)	4	5745	L	23
5.8G	VHT20,BF	20	1,(M0)	4	5785	M	23
5.8G	VHT20,BF	20	1,(M0)	4	5825	H	23
5.2G	VHT40,BF	40	1,(M0)	4	5190	L	18
5.2G	VHT40,BF	40	1,(M0)	4	5230	H	23
5.8G	VHT40,BF	40	1,(M0)	4	5755	L	23
5.8G	VHT40,BF	40	1,(M0)	4	5795	H	23
5.2G	VHT80,BF	80	1,(M0)	4	5210	S	17
5.8G	VHT80,BF	80	1,(M0)	4	5775	S	23



For 4T2S

Band	Mode	BWch (MHz)	Nss-Min	Nant	Ch. (MHz)	Range	Power Setting
5.2G	VHT20,BF	20	2,(M0)	4	5180	L	23
5.2G	VHT20,BF	20	2,(M0)	4	5200	M	23
5.2G	VHT20,BF	20	2,(M0)	4	5240	H	23
5.8G	VHT20,BF	20	2,(M0)	4	5745	L	23
5.8G	VHT20,BF	20	2,(M0)	4	5785	M	23
5.8G	VHT20,BF	20	2,(M0)	4	5825	H	23
5.2G	VHT40,BF	40	2,(M0)	4	5190	L	17
5.2G	VHT40,BF	40	2,(M0)	4	5230	H	23
5.8G	VHT40,BF	40	2,(M0)	4	5755	L	23
5.8G	VHT40,BF	40	2,(M0)	4	5795	H	23
5.2G	VHT80,BF	80	2,(M0)	4	5210	S	17
5.8G	VHT80,BF	80	2,(M0)	4	5775	S	23

Note:

- ♦ Test range channel consist of L (Low Ch.), M (Middle Ch.), H (High Ch.), S (Single Ch.) and C (Straddle Band Ch.).
- ♦ VHT20/VHT40 covers HT20/HT40, due to same modulation. The power setting for 802.11n HT20 and HT40 are the same or lower than 802.11ac VHT20 and VHT40.
- ♦ There are two modes of EUT for 802.11n/ac in 5GHz, one is beamforming mode, and the other is non-beamforming mode, Beamforming mode and non-beamforming mode has been test and record in this test report for 4T1S.
- ♦ There are two modes of EUT for 802.11n/ac in 5GHz, one is beamforming mode, and the other is non-beamforming mode, Beamforming mode has been test and record in this test report for 4T2S.

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Mode	CTX
1	EUT in Y axis - Zigbee function
2	EUT in Y axis - WLAN 2.4G function
3	EUT in Y axis - WLAN 5G function

For operating mode 3 is the worst case and it was record in this test report.

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



The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	CTX
1	EUT in Y axis - Zigbee function
2	EUT in Y axis - WLAN 2.4G function
3	EUT in Y axis - WLAN 5G function
For operating mode 2 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
For non-beamforming mode:	
1	EUT in Y axis for 4T1S
For beamforming mode:	
1	EUT in Y axis for 4T1S
2	EUT in Y axis for 4T2S

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Operating Mode	
1	WLAN 2.4GHz function + WLAN 5GHz function + Zigbee function
Refer to Sporton Test Report No.: FA6O2141 for Co-location RF Exposure Evaluation.	



2.3 EUT Operation during Test

For CTX Mode:

For non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

For beamforming mode:

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 HyperTerminal.
3. Executed "Lantest.exe" to link with the remote workstation to receive and transmit packet by RX Device and transmit duty cycle no less 98%



2.4 Accessories

Accessories			
Equipment Name	Brand Name	Model Name	Rating
AC Adapter	DIRECTV	EPS17R0-15	INPUT: 120V~1.8A 60Hz OUTPUT: 25.2V-2.86A 72W
Other			
Equipment Name	Brand Name	Model Name	Remark
Hard Drive	SEAGATE	1ET64-671	2TB

2.5 Support Equipment

For Test Site No: CO01-CB

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB	DELL	E6430	DoC
2	Flash disk3.0	ADATA	C103	DoC
3	SIM Card	DIRECTV	NA	DoC

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

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

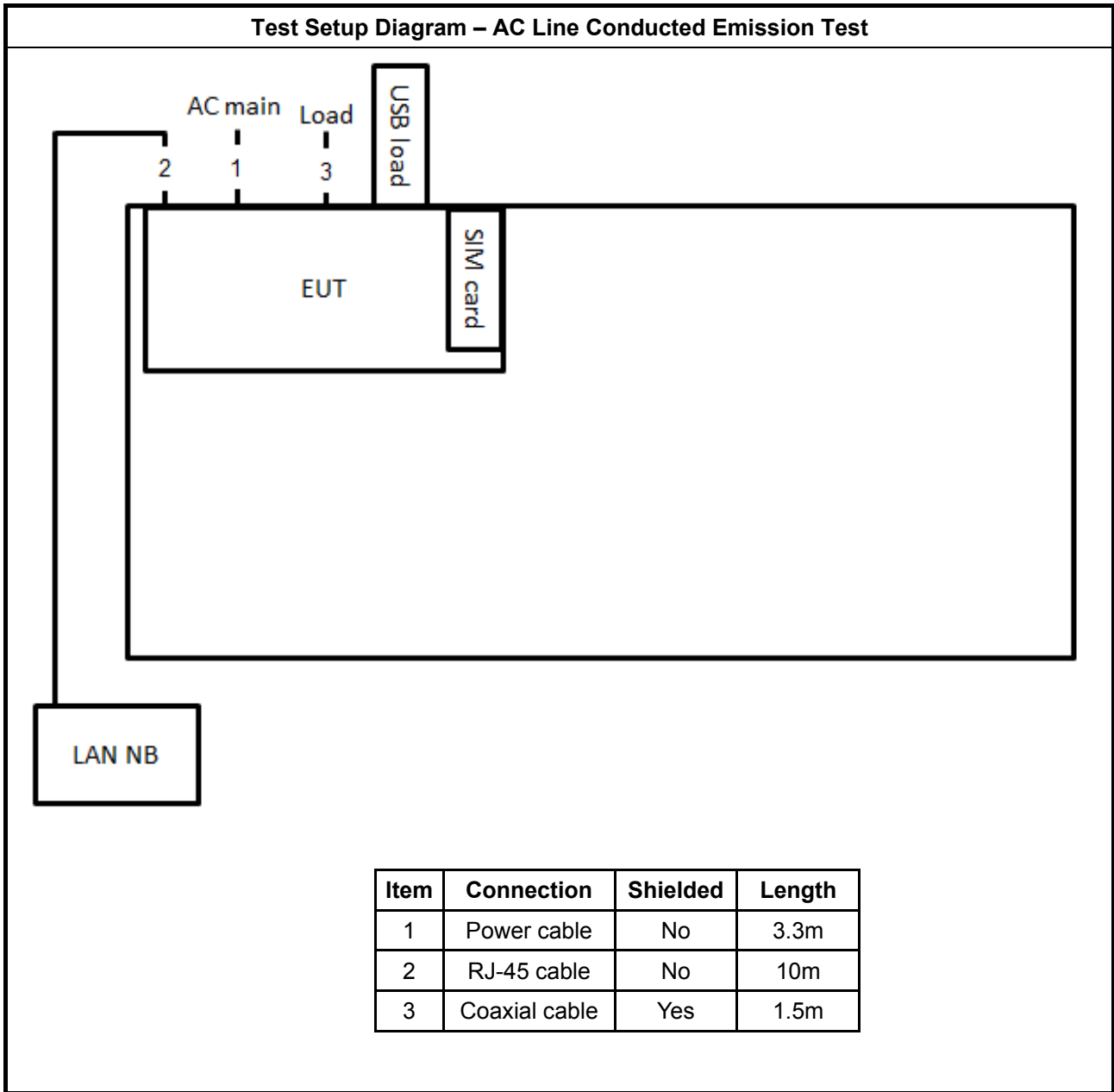
For beamforming mode

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB	DELL	E4300	DoC
2	NB	DELL	E4300	DoC
3	RX Device	AT&T DIRECTV	HS17-100	G95HS17

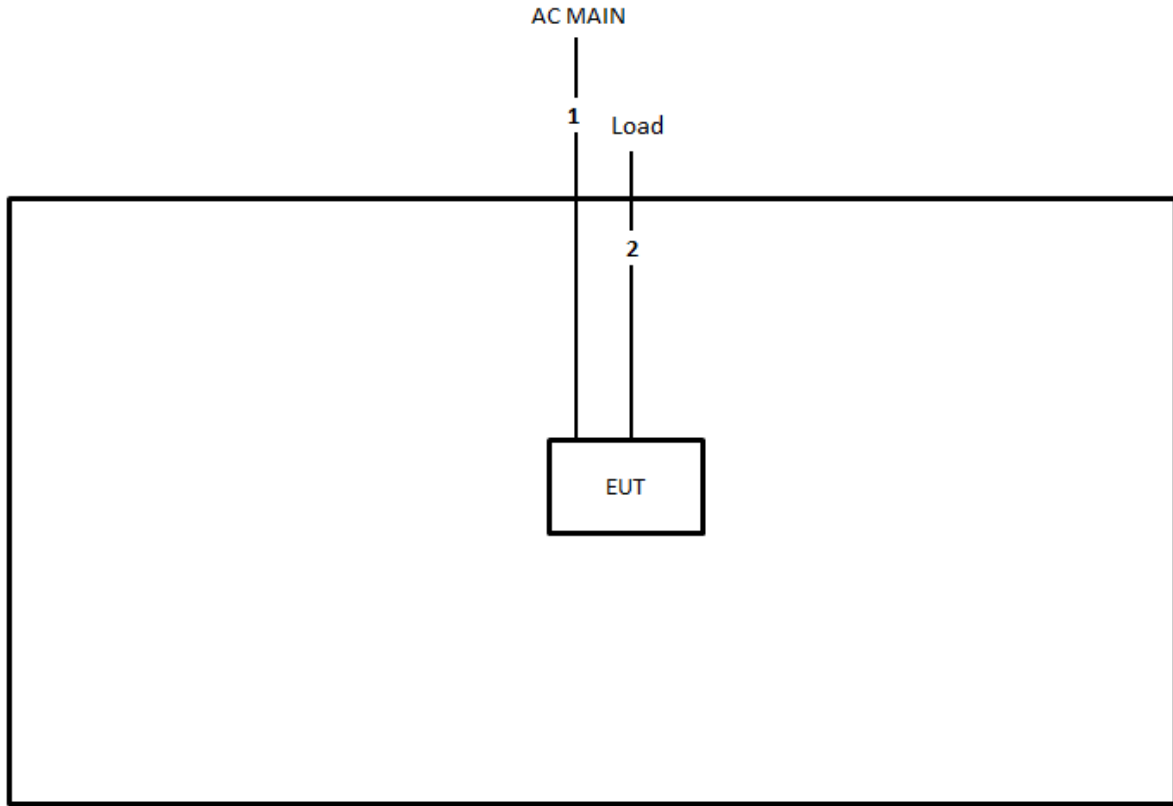
For Test Site No: TH01-CB

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

2.6 Test Setup Diagram



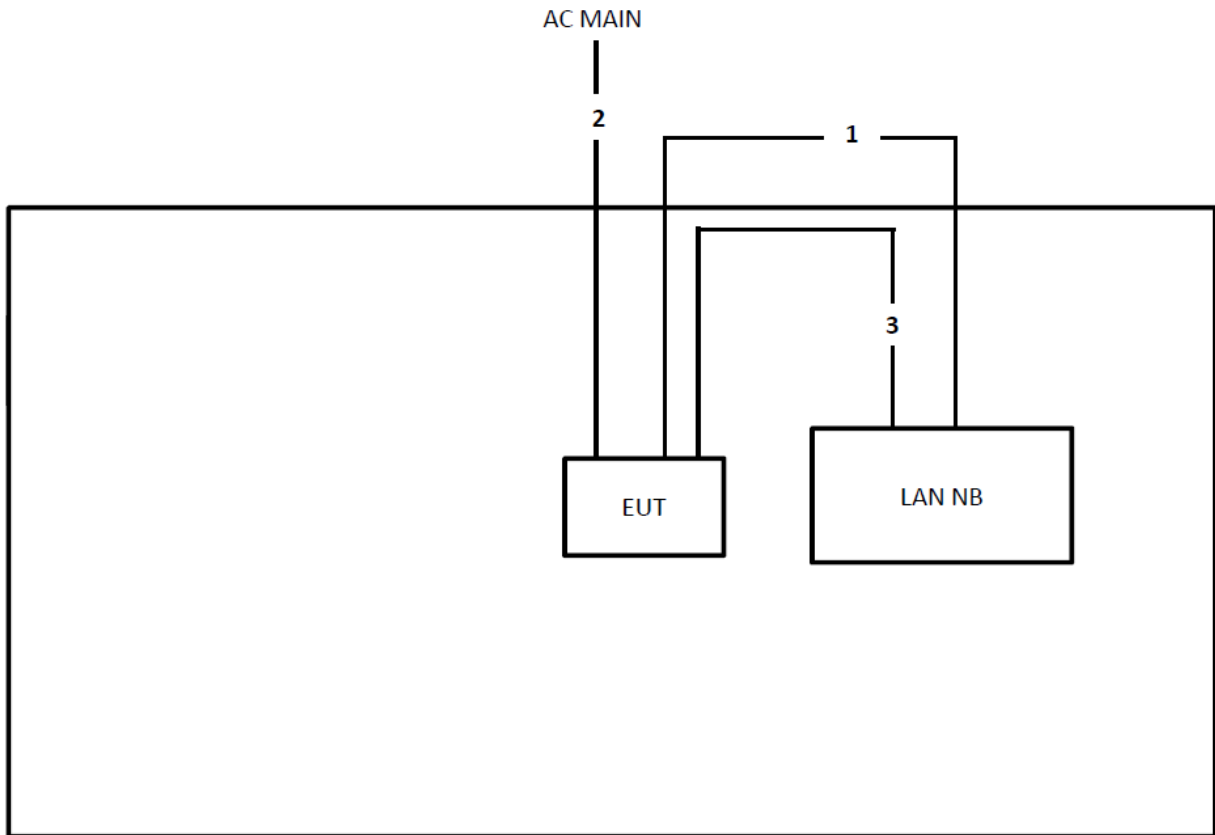
Test Setup Diagram - Radiated Test < 1GHz



Item	Connection	Shielded	Length
1	Power cable	No	3.3m
2	Coaxial cable	Yes	10m

For non-beamforming mode

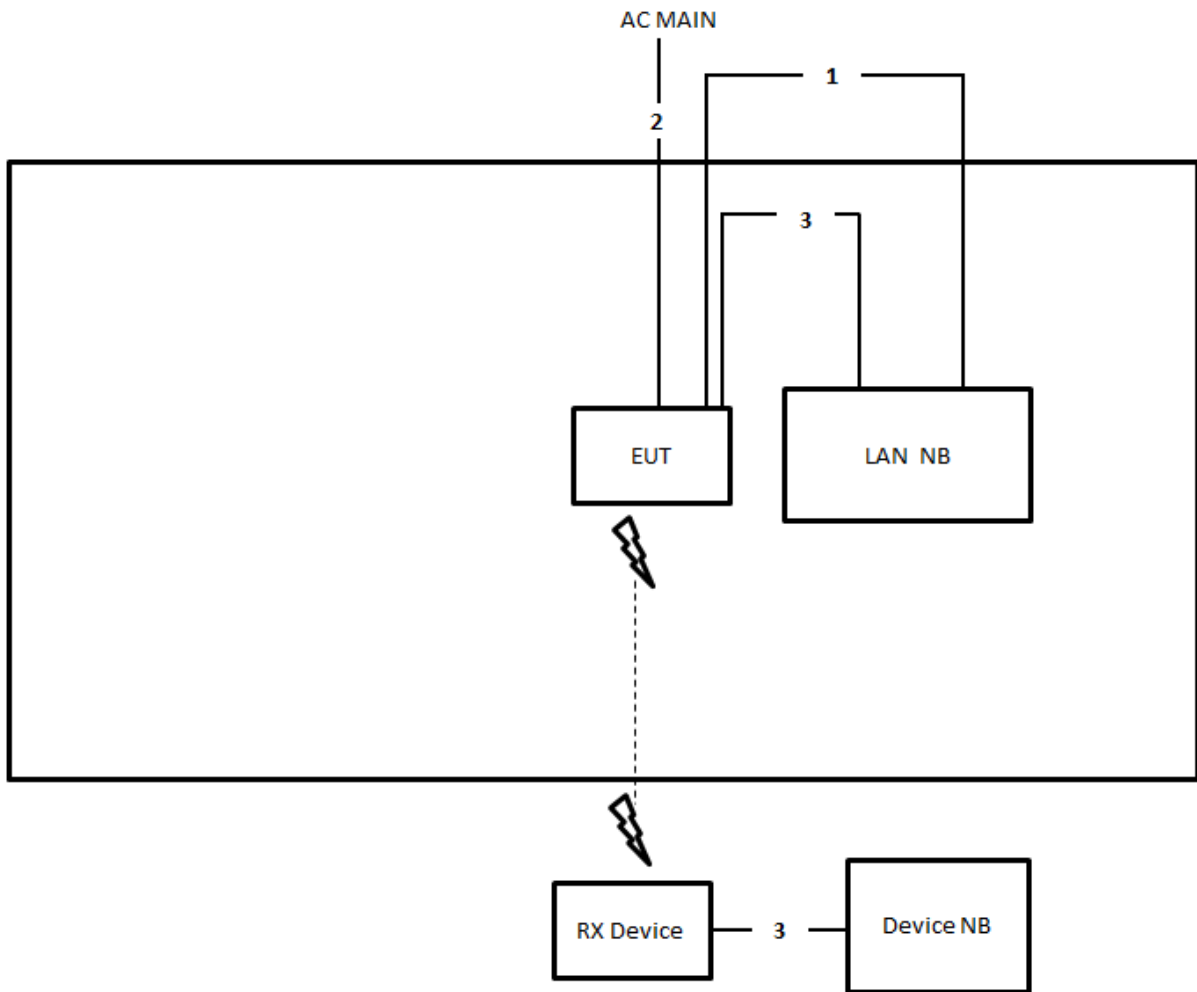
Test Setup Diagram - Radiated Test > 1GHz



Item	Connection	Shielded	Length
1	RJ-45 cable	No	3m
2	Power cable	No	3.3m
3	Console cable	Yes	2.1m

For beamforming mode

Test Setup Diagram - Radiated Test > 1GHz



Item	Connection	Shielded	Length
1	RJ-45 cable	No	3m
2	Power cable	No	3.3m
3	RJ-45 cable	No	1.5m
4	Console cable	Yes	2.1m

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.

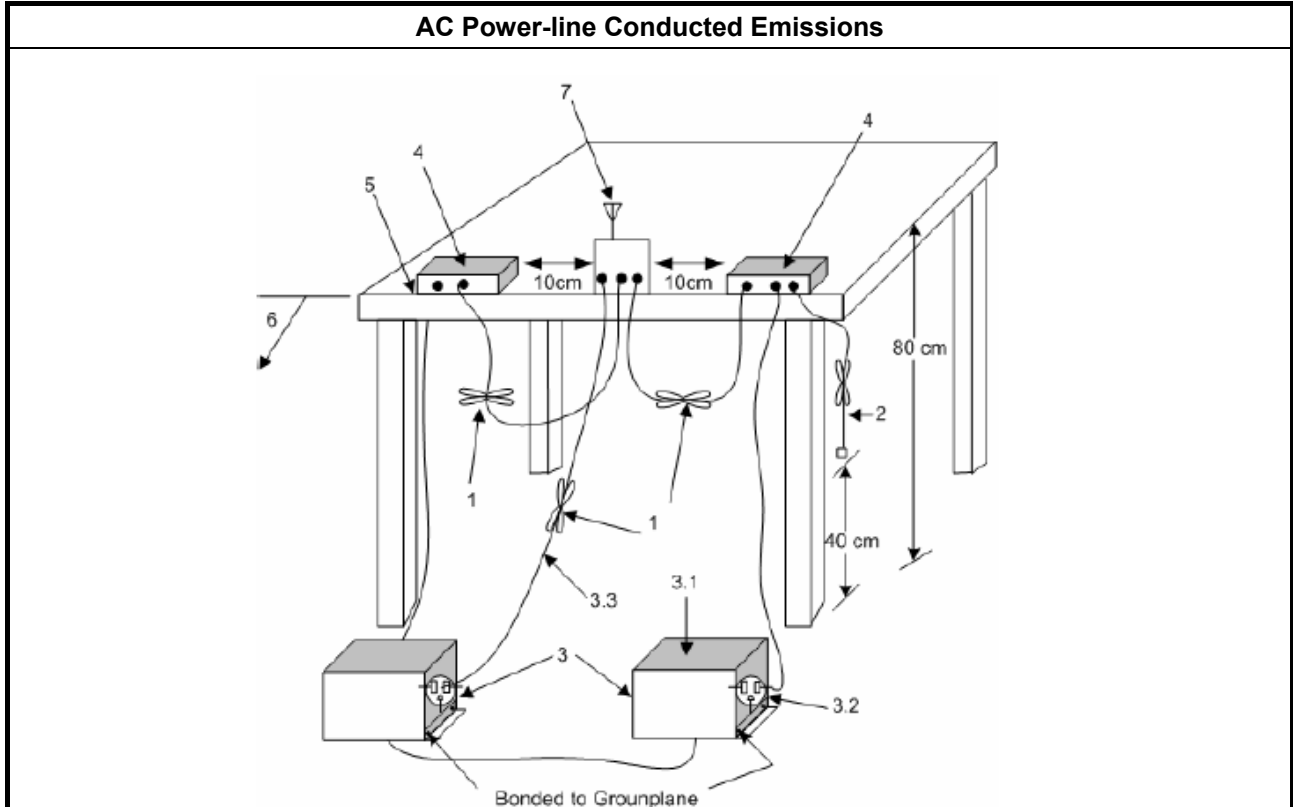
3.1.2 Measuring Instruments

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	
UNII Devices	
<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.
LE-LAN Devices	
<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.

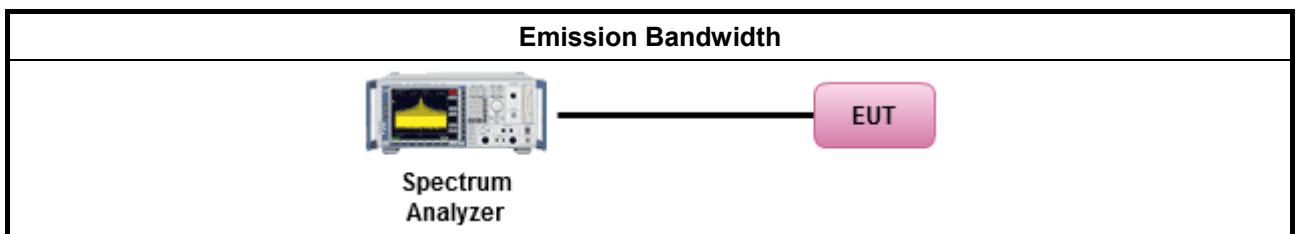
3.2.2 Measuring Instruments

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"> ▪ For the emission bandwidth shall be measured using one of the options below: 	
<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 checked="" type="checkbox"/>	Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
UNII Devices	
<input checked="" type="checkbox"/> For the 5.15-5.25 GHz band:	
	<ul style="list-style-type: none"> ▪ Outdoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$. e.i.r.p. at any elevation angle above 30 degrees $\leq 125mW$ [21dBm] ▪ Indoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ ▪ Point-to-point AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 23$ dBi, then $P_{Out} = 30 - (G_{TX} - 23)$. ▪ Mobile or Portable Client: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.
<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"> ▪ Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$. ▪ Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W.
LE-LAN Devices	
<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"> ▪ Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$. ▪ Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W.
<p>P_{Out} = maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.</p>	

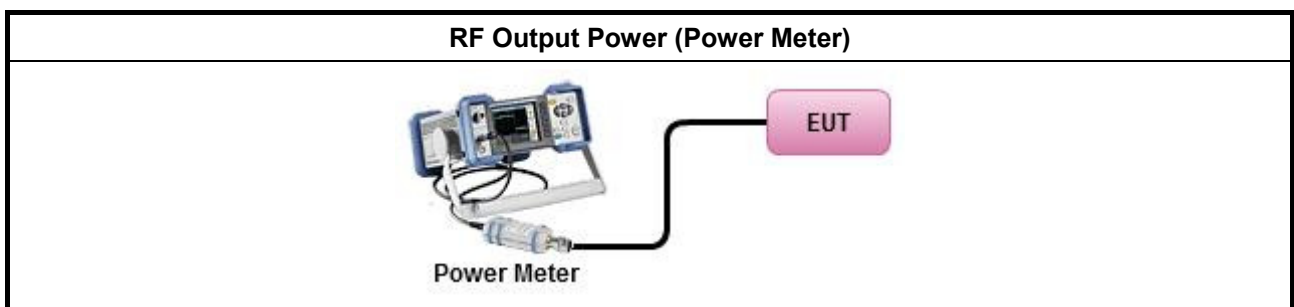
3.3.2 Measuring Instruments

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"> Maximum Conducted Output Power 	
[duty cycle ≥ 98% or external video / power trigger]	
<input 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 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"> For conducted measurement. 	
<ul style="list-style-type: none"> 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. 	
<ul style="list-style-type: none"> If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$ 	

3.3.4 Test Setup



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

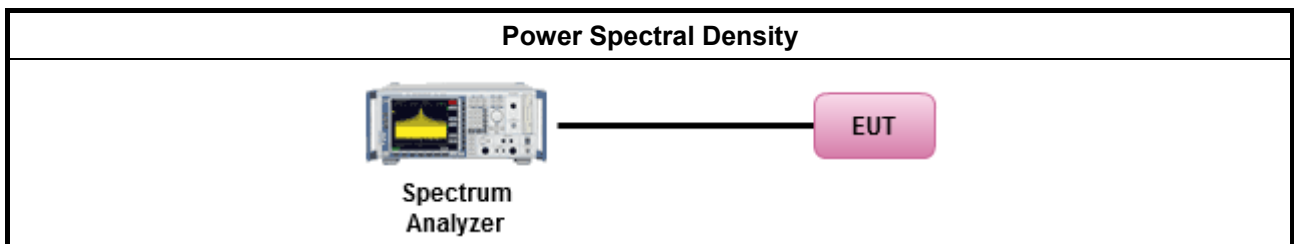
3.4.2 Measuring Instruments

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"> ▪ 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: 	
<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"> ▪ For conducted measurement. 	
<ul style="list-style-type: none"> ▪ If the EUT supports multiple transmit chains using options given below: 	
<input checked="" type="checkbox"/>	Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the 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"> ▪ If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$ 	

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).



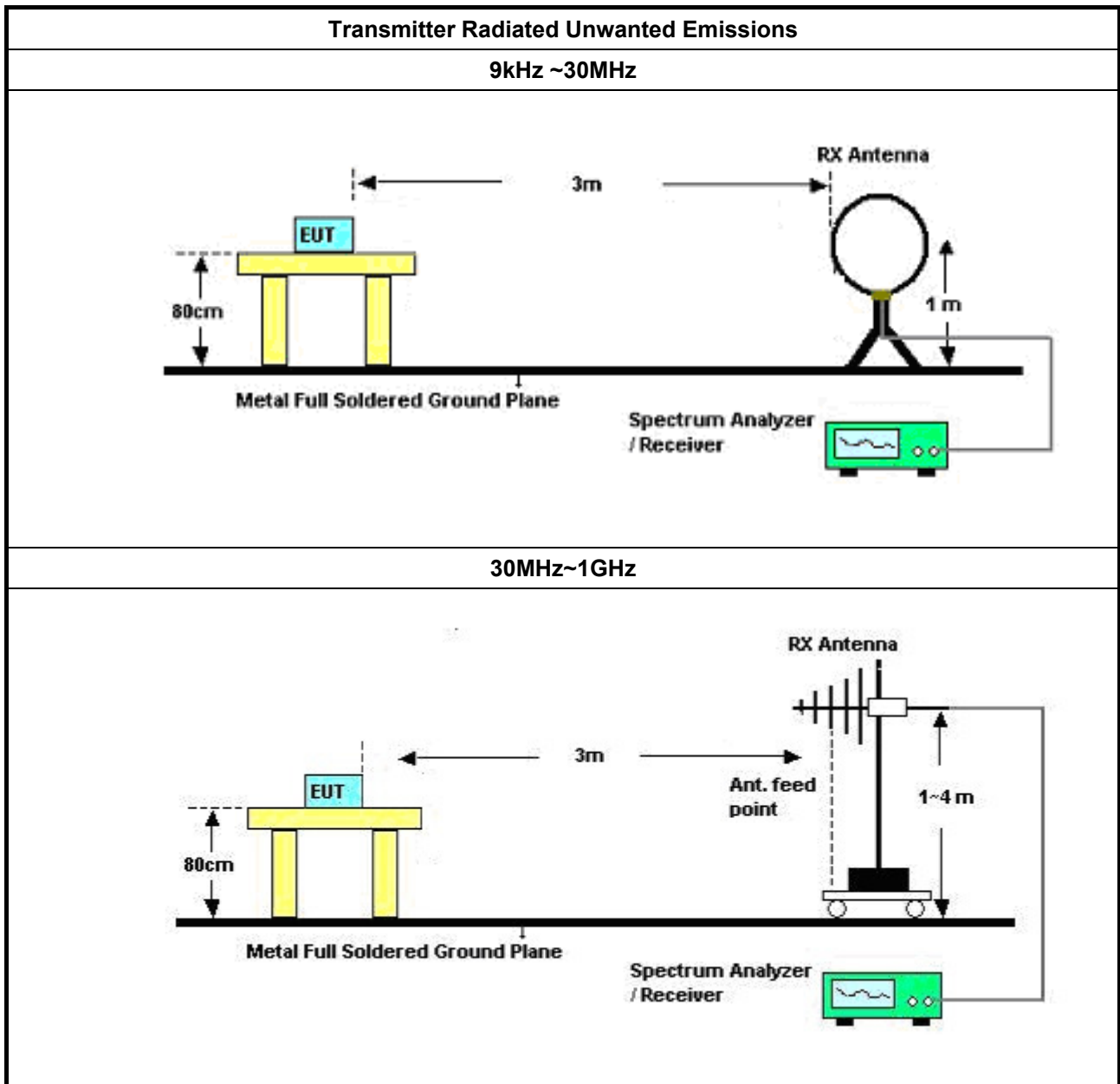
3.5.2 Measuring Instruments

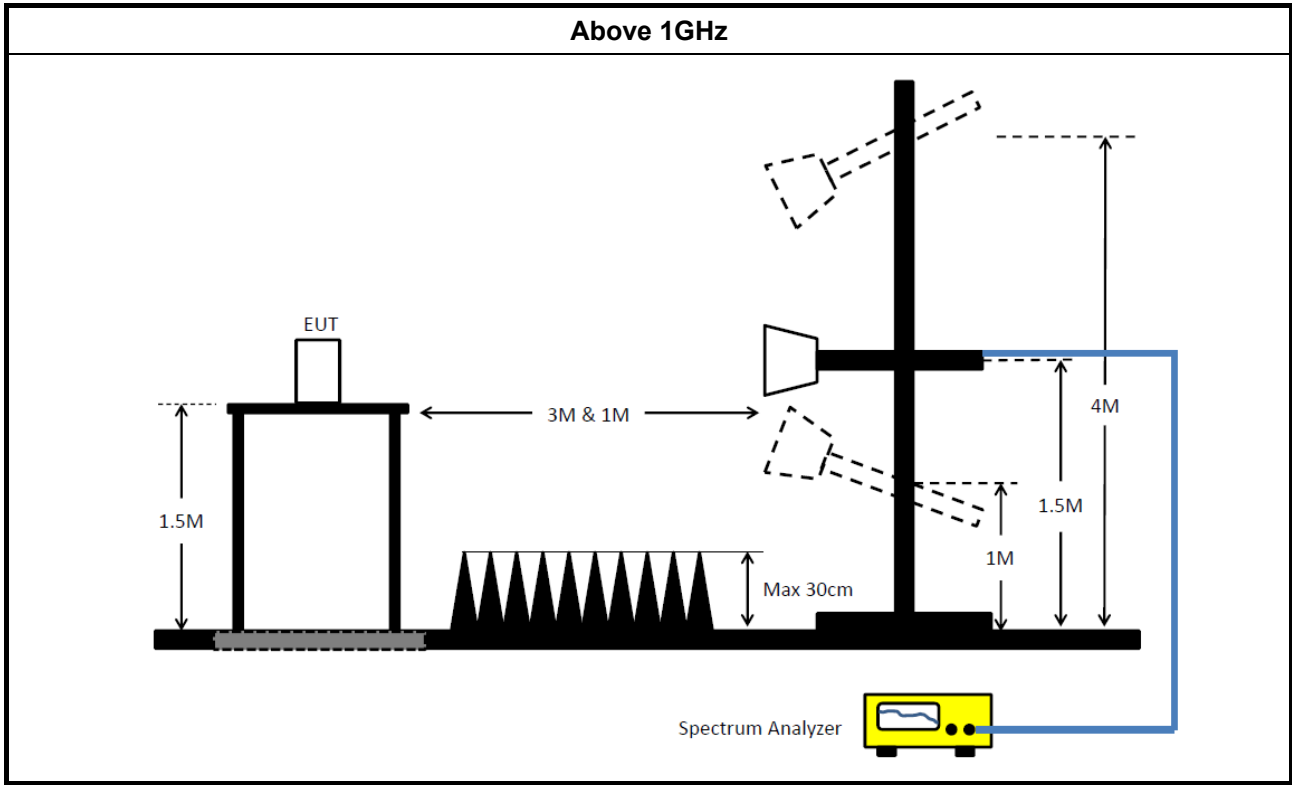
Refer a test equipment and calibration data table in this test report.

3.5.3 Test Procedures

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

3.5.4 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
UNII Devices
<ul style="list-style-type: none"> In-band emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.
LE-LAN Devices
<ul style="list-style-type: none"> N/A
IEEE Std. 802.11
<ul style="list-style-type: none"> The transmitter center frequency tolerance shall be ± 20 ppm maximum for the 5 GHz band and ± 25 ppm maximum for the 2.4 GHz band.

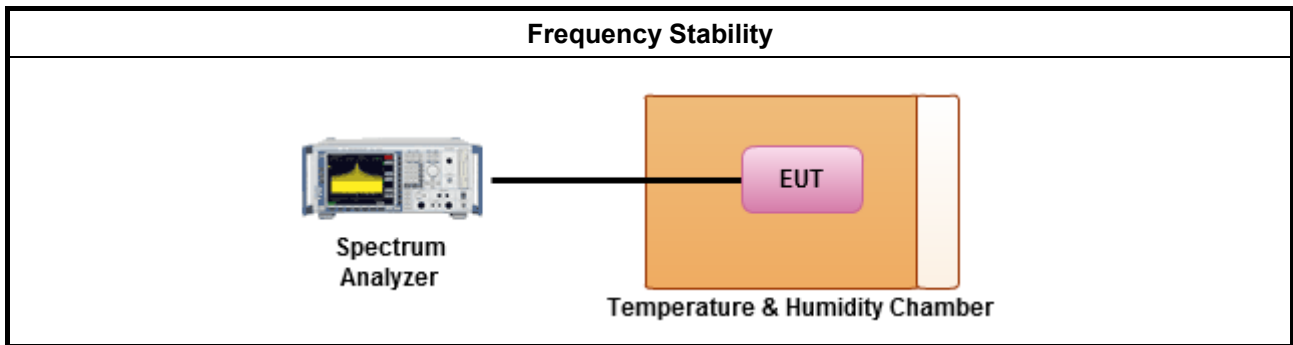
3.6.2 Measuring Instruments

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

3.6.4 Test Setup





3.6.5 Test Result of Frequency Stability

Refer as Appendix F



4 Test Equipment and Calibration Data

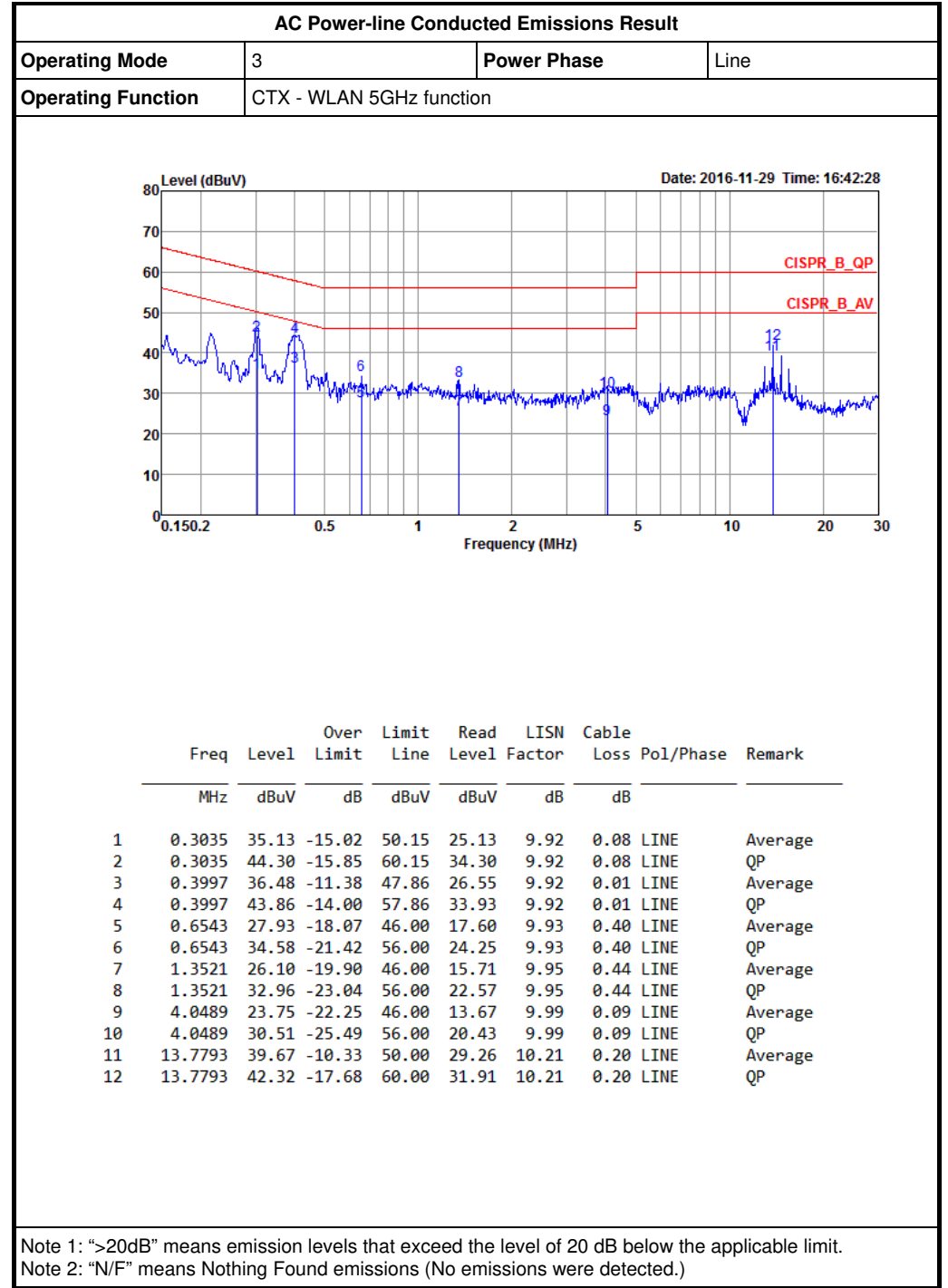
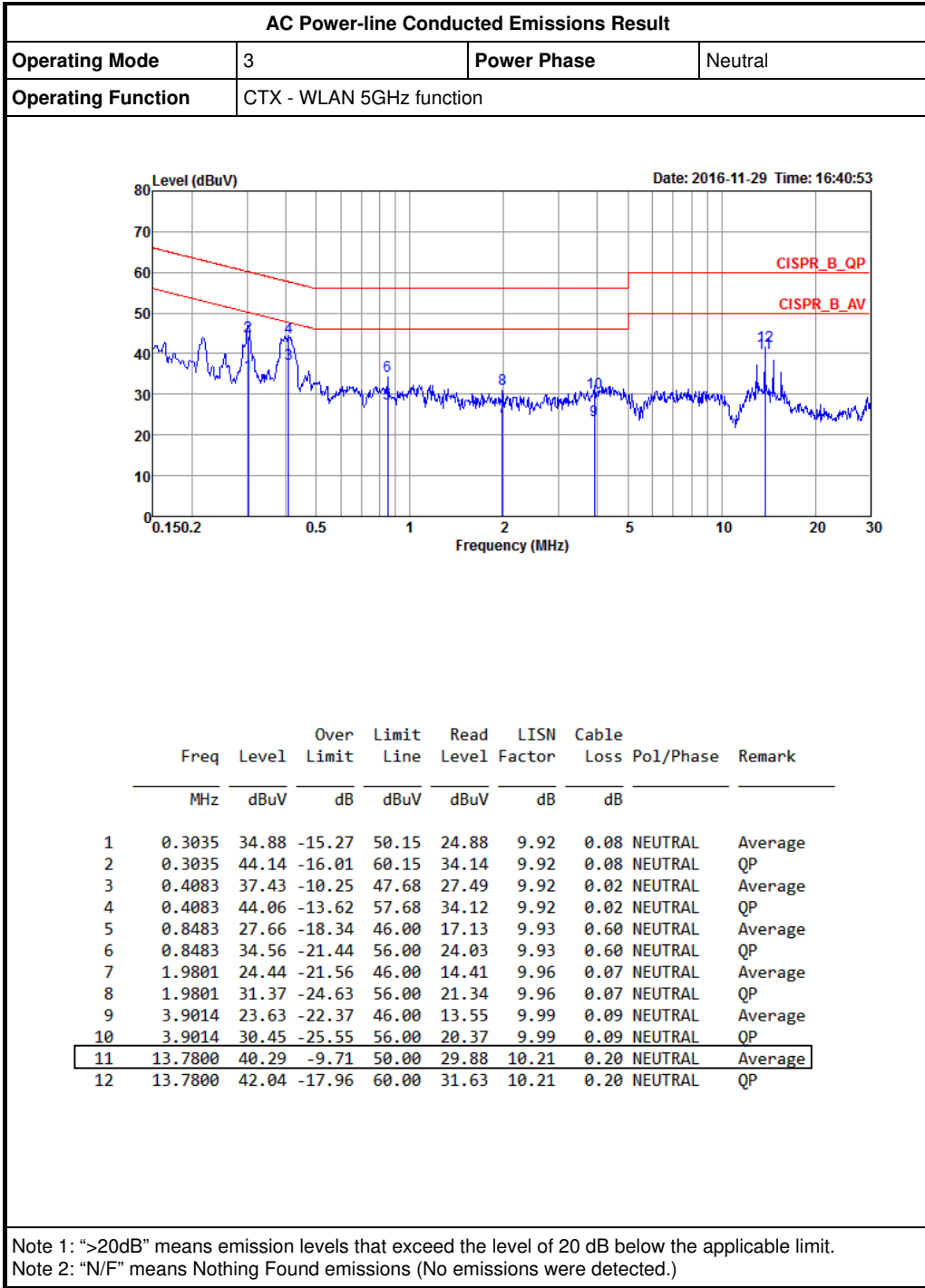
Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.45GHz	Jan. 27, 2016	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Dec. 08, 2015	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 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	ETS · Lindgren	3115	6821	750MHz~18GHz	Feb. 24, 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-1	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-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)
Test Software	Audix	E3	6.2009-I0-7	N/A	N/A	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 09, 2015	Conducted (TH01-CB)



Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
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)
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)
Cable	Marvelous Microwave	n/a	Cable-REF-1	9k-1GHz	Oct. 21, 2016	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY54320014	50MHz~18GHz	Apr. 20, 2016	Conducted (TH01-CB)

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

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





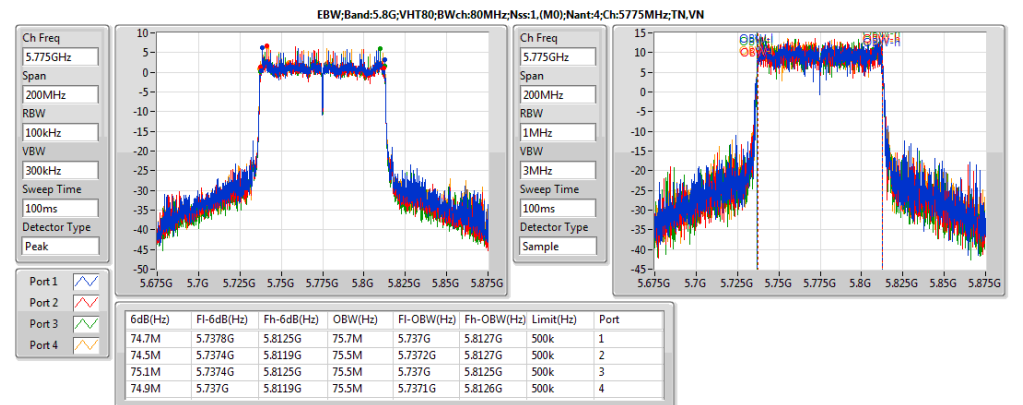
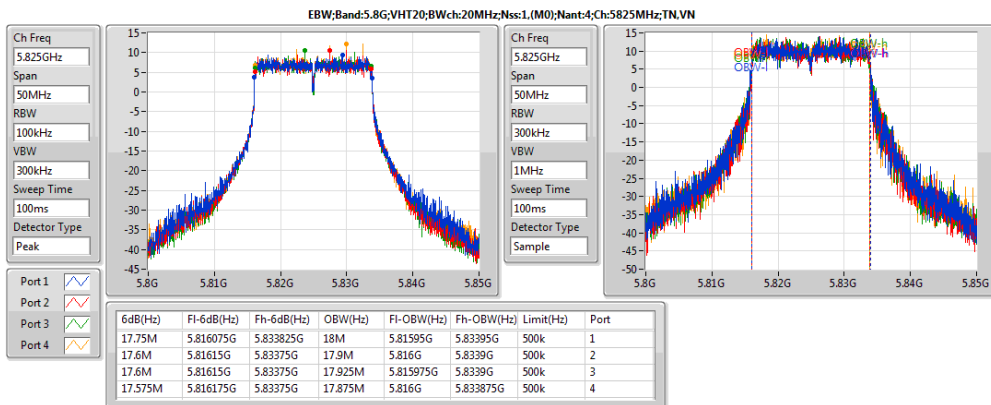
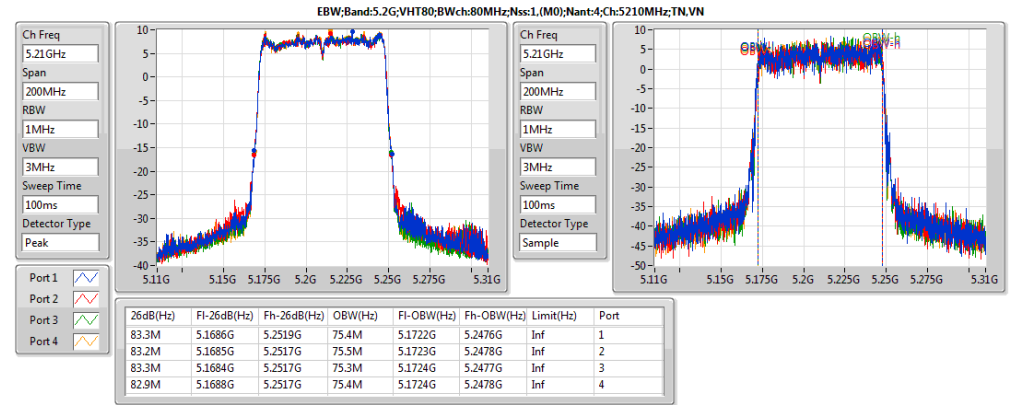
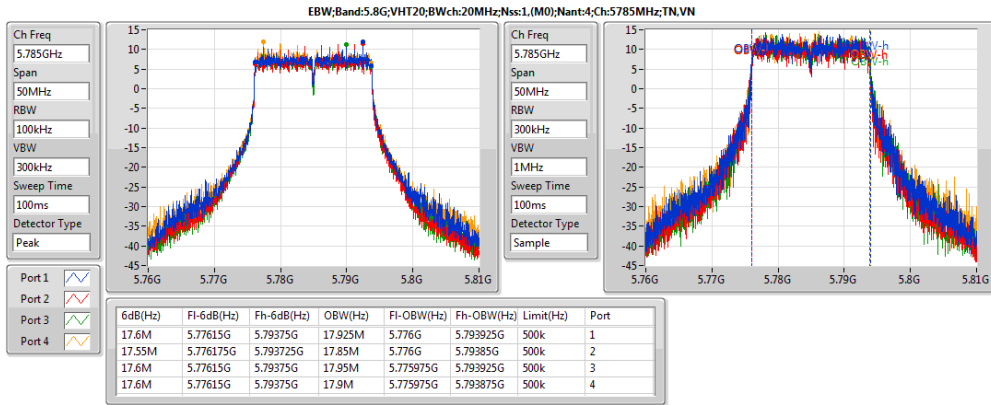
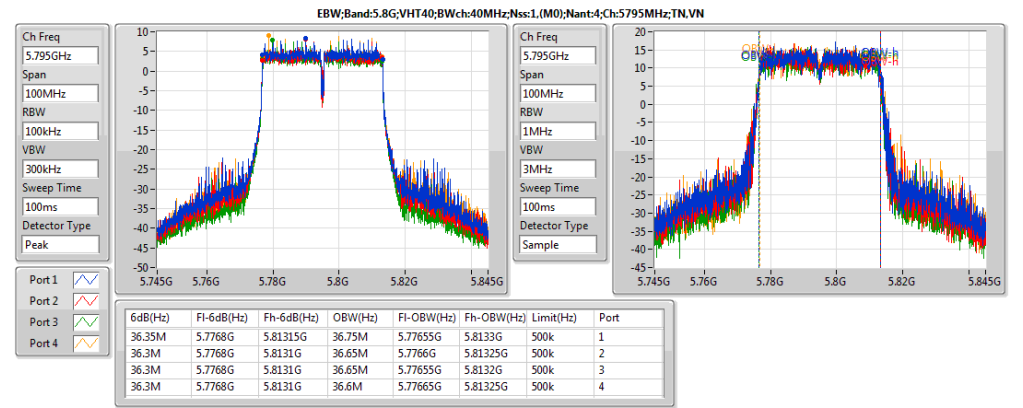
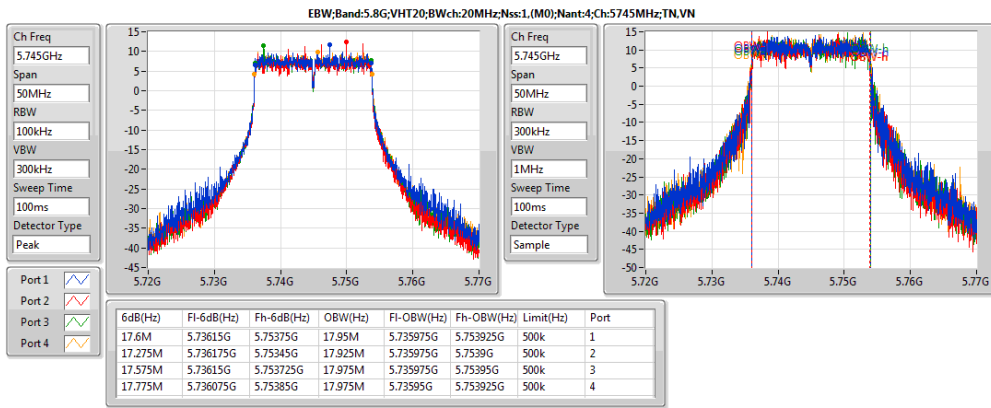
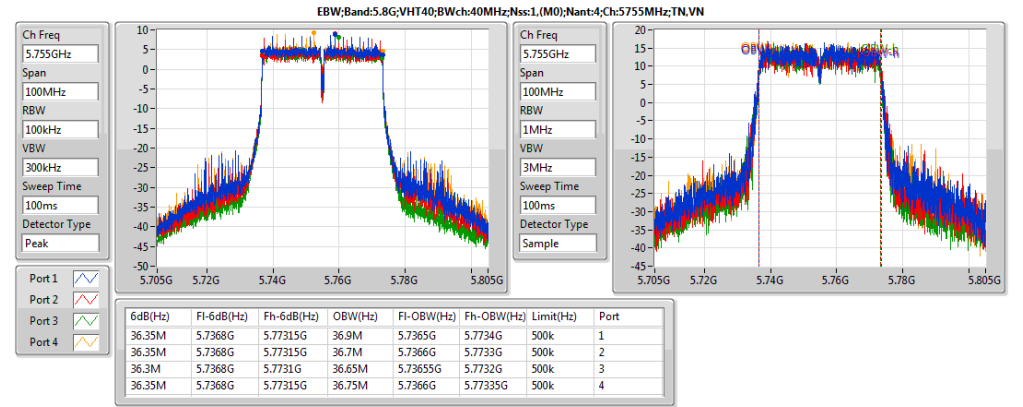
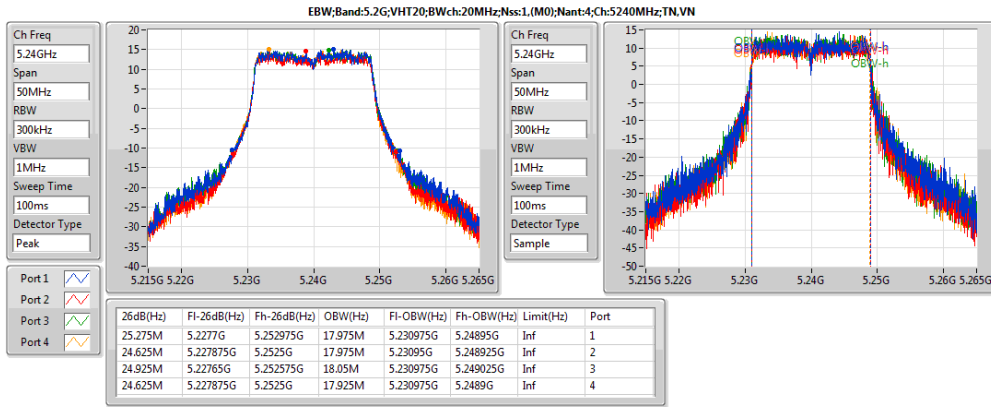
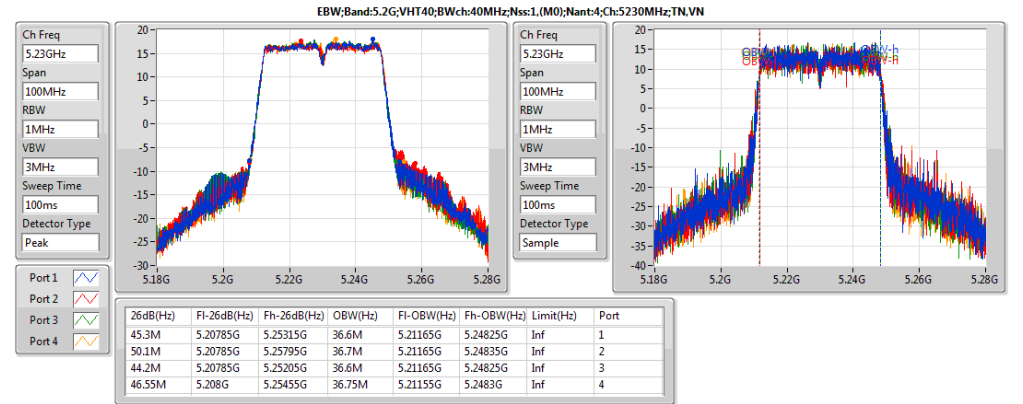
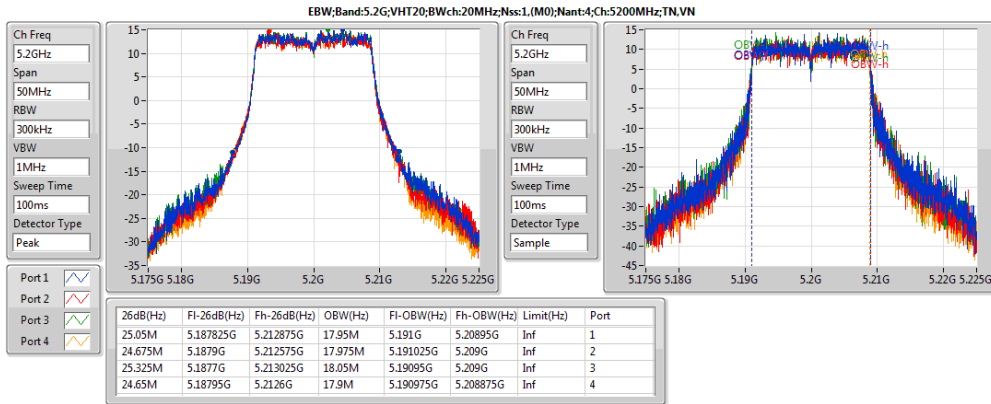
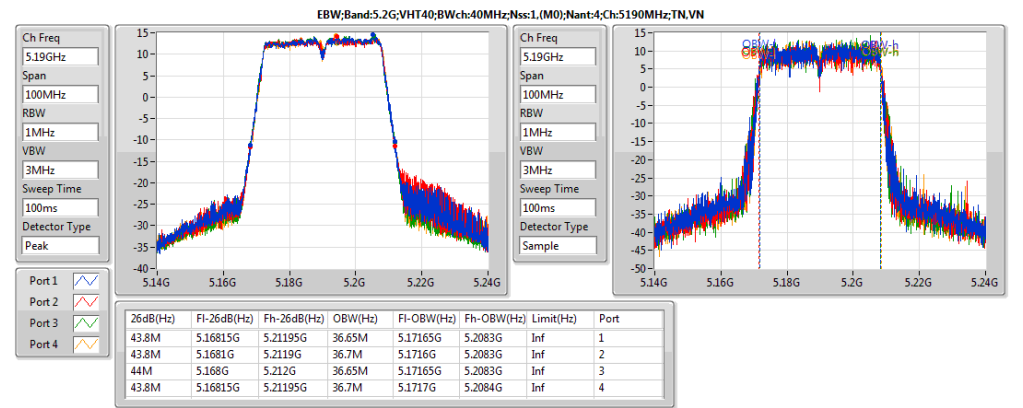
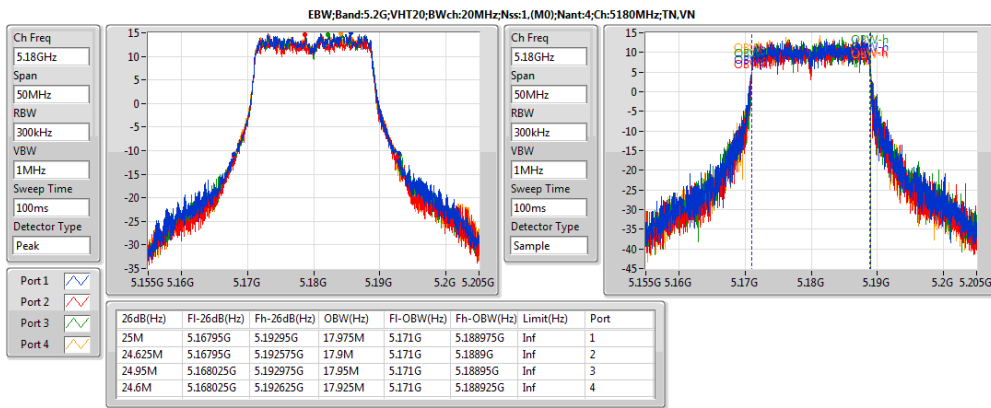
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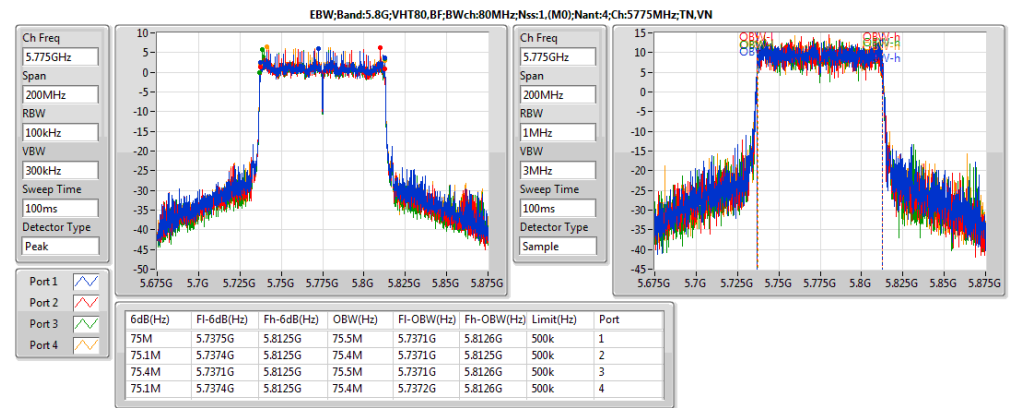
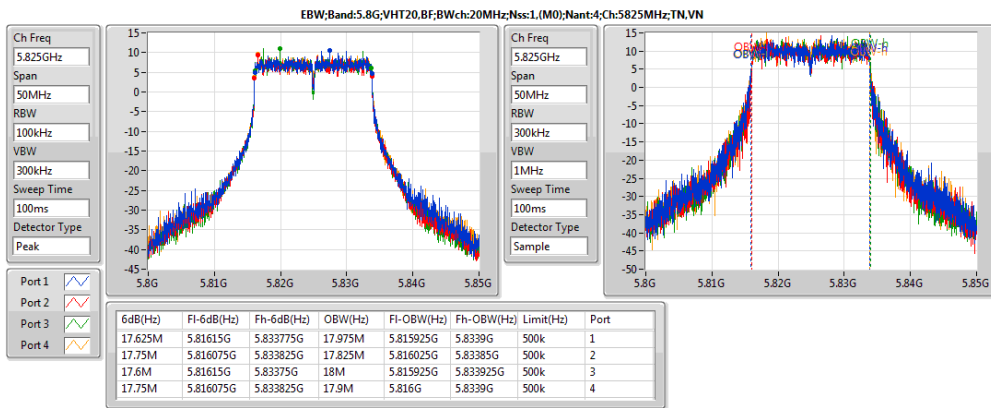
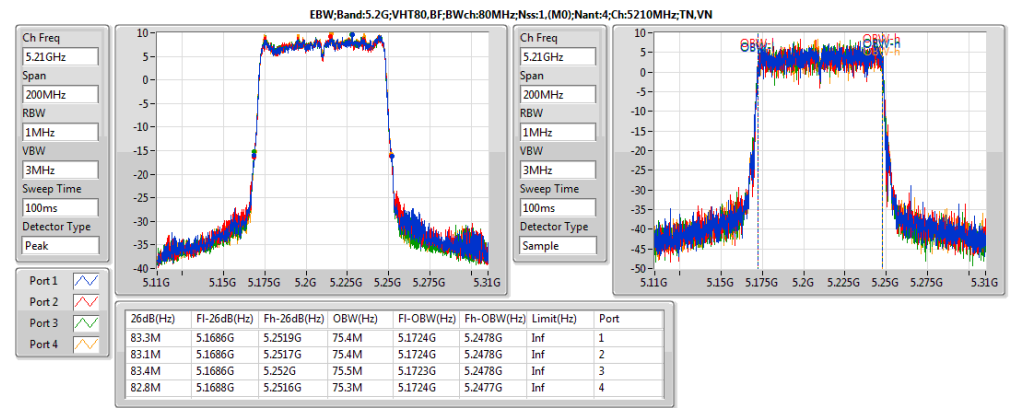
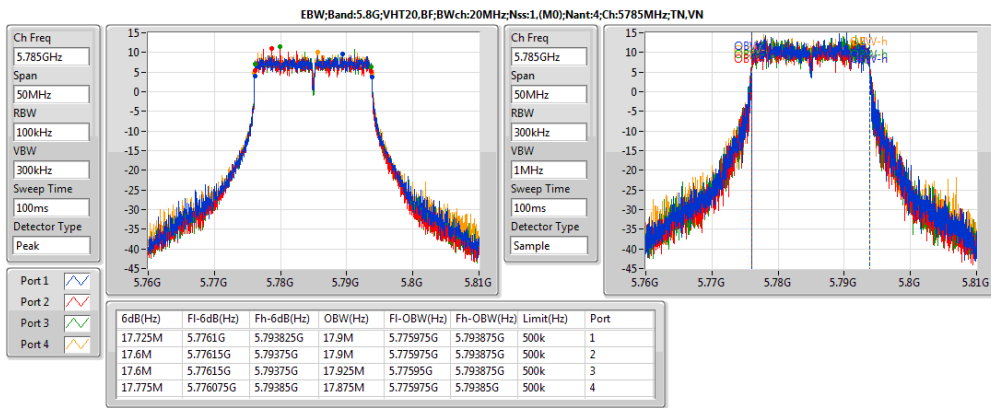
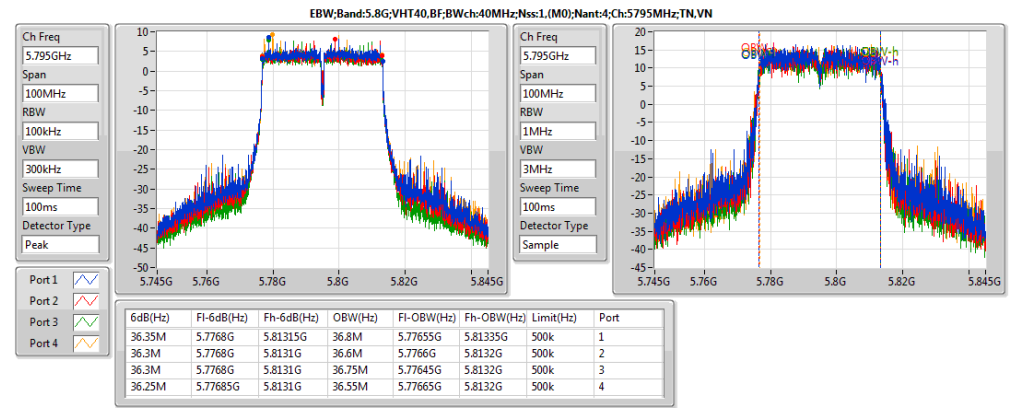
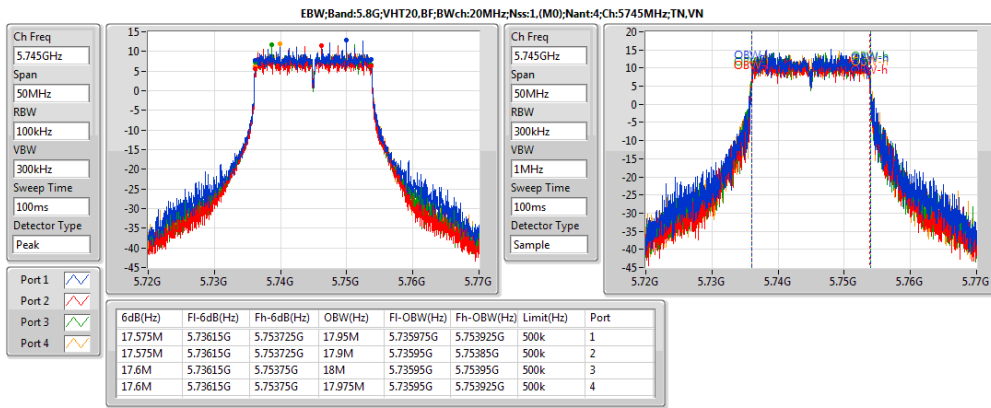
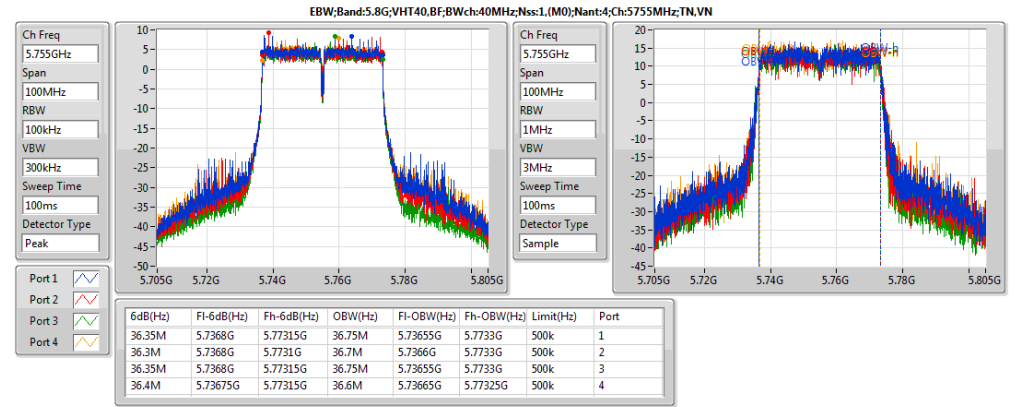
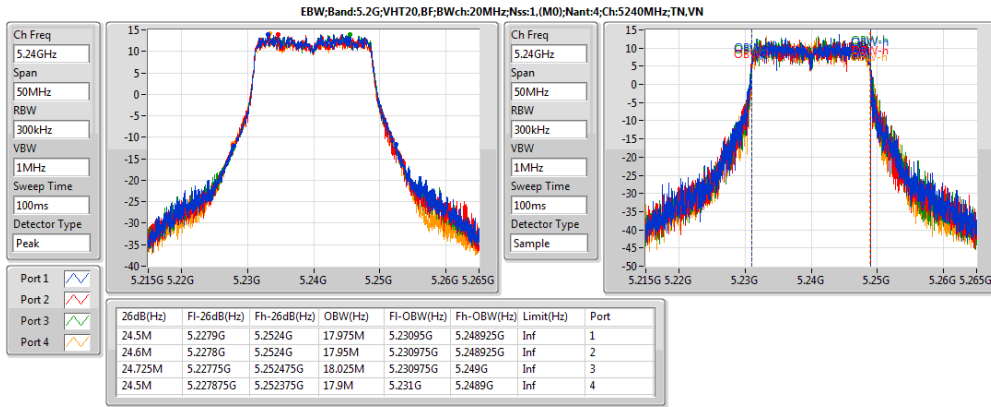
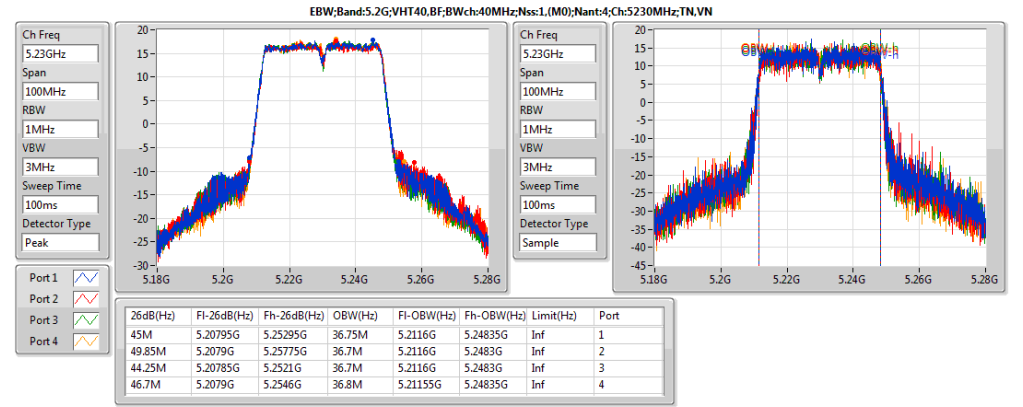
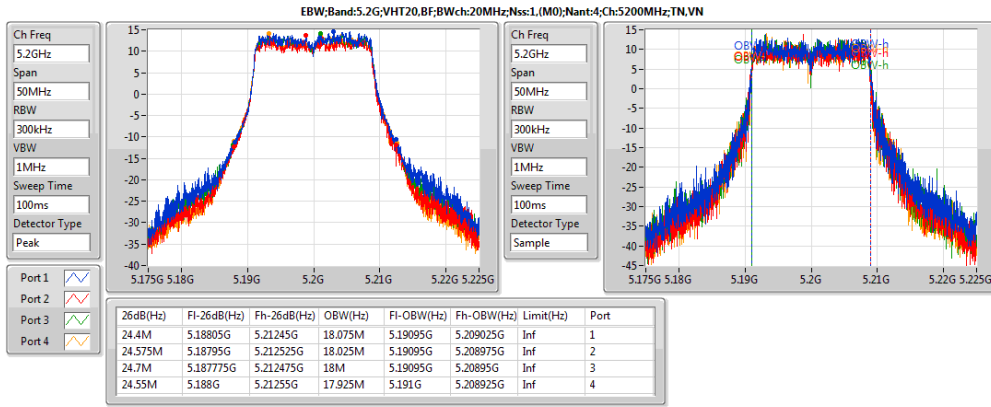
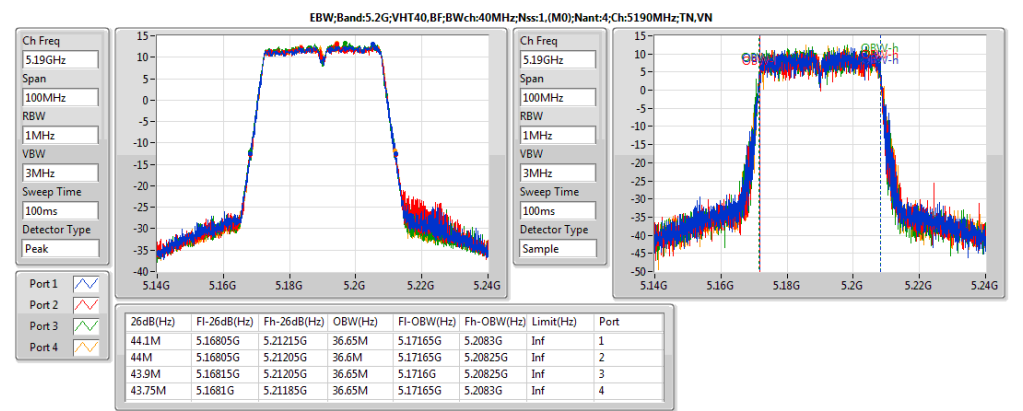
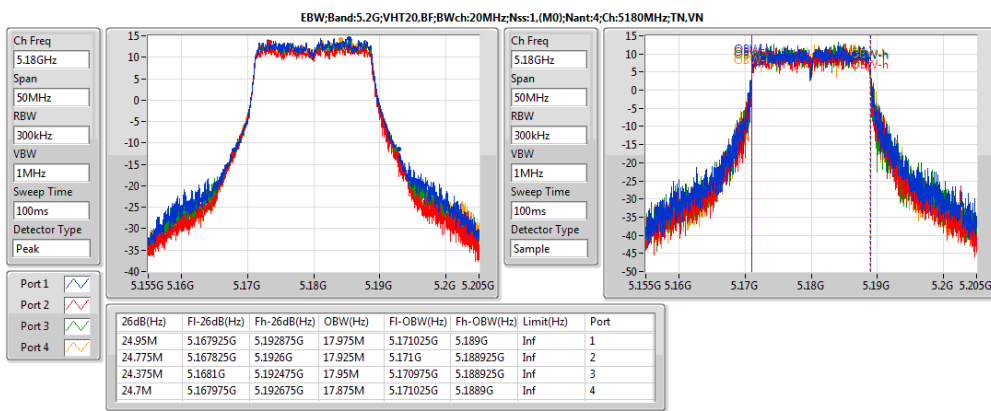
Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.2G;VHT20;Nss1,(M0);Ntx4	25.325M	18.05M	18M0D1D	24.6M	17.9M
5.8G;VHT20;Nss1,(M0);Ntx4	17.775M	18M	18M0D1D	17.275M	17.85M
5.2G;VHT40;Nss1,(M0);Ntx4	50.1M	36.75M	36M7D1D	43.8M	36.6M
5.8G;VHT40;Nss1,(M0);Ntx4	36.35M	36.9M	36M9D1D	36.3M	36.6M
5.2G;VHT80;Nss1,(M0);Ntx4	83.3M	75.5M	75M5D1D	82.9M	75.3M
5.8G;VHT80;Nss1,(M0);Ntx4	75.1M	75.7M	75M7D1D	74.5M	75.5M
5.2G;VHT20,BF;Nss1,(M0);Ntx4	24.95M	18.075M	18M1D1D	24.375M	17.875M
5.8G;VHT20,BF;Nss1,(M0);Ntx4	17.775M	18M	18M0D1D	17.575M	17.825M
5.2G;VHT40,BF;Nss1,(M0);Ntx4	49.85M	36.8M	36M8D1D	43.75M	36.6M
5.8G;VHT40,BF;Nss1,(M0);Ntx4	36.4M	36.8M	36M8D1D	36.25M	36.55M
5.2G;VHT80,BF;Nss1,(M0);Ntx4	83.4M	75.5M	75M5D1D	82.8M	75.3M
5.8G;VHT80,BF;Nss1,(M0);Ntx4	75.4M	75.5M	75M5D1D	75M	75.4M



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;VHT20;Nss1,(M0);Ntx4;5180	Pass	Inf	25M	17.975M	24.625M	17.9M	24.95M	17.95M	24.6M	17.925M
5.2G;VHT20;Nss1,(M0);Ntx4;5200	Pass	Inf	25.05M	17.95M	24.675M	17.975M	25.325M	18.05M	24.65M	17.9M
5.2G;VHT20;Nss1,(M0);Ntx4;5240	Pass	Inf	25.275M	17.975M	24.625M	17.975M	24.925M	18.05M	24.625M	17.925M
5.8G;VHT20;Nss1,(M0);Ntx4;5745	Pass	500k	17.6M	17.95M	17.275M	17.925M	17.575M	17.975M	17.775M	17.975M
5.8G;VHT20;Nss1,(M0);Ntx4;5785	Pass	500k	17.6M	17.925M	17.55M	17.85M	17.6M	17.95M	17.6M	17.9M
5.8G;VHT20;Nss1,(M0);Ntx4;5825	Pass	500k	17.75M	18M	17.6M	17.9M	17.6M	17.925M	17.575M	17.875M
5.2G;VHT40;Nss1,(M0);Ntx4;5190	Pass	Inf	43.8M	36.65M	43.8M	36.7M	44M	36.65M	43.8M	36.7M
5.2G;VHT40;Nss1,(M0);Ntx4;5230	Pass	Inf	45.3M	36.6M	50.1M	36.7M	44.2M	36.6M	46.55M	36.75M
5.8G;VHT40;Nss1,(M0);Ntx4;5755	Pass	500k	36.35M	36.9M	36.35M	36.7M	36.3M	36.65M	36.35M	36.75M
5.8G;VHT40;Nss1,(M0);Ntx4;5795	Pass	500k	36.35M	36.75M	36.3M	36.65M	36.3M	36.65M	36.3M	36.6M
5.2G;VHT80;Nss1,(M0);Ntx4;5210	Pass	Inf	83.3M	75.4M	83.2M	75.5M	83.3M	75.3M	82.9M	75.4M
5.8G;VHT80;Nss1,(M0);Ntx4;5775	Pass	500k	74.7M	75.7M	74.5M	75.5M	75.1M	75.5M	74.9M	75.5M
5.2G;VHT20,BF;Nss1,(M0);Ntx4;5180	Pass	Inf	24.95M	17.975M	24.775M	17.925M	24.375M	17.95M	24.7M	17.875M
5.2G;VHT20,BF;Nss1,(M0);Ntx4;5200	Pass	Inf	24.4M	18.075M	24.575M	18.025M	24.7M	18M	24.55M	17.925M
5.2G;VHT20,BF;Nss1,(M0);Ntx4;5240	Pass	Inf	24.5M	17.975M	24.6M	17.95M	24.725M	18.025M	24.5M	17.9M
5.8G;VHT20,BF;Nss1,(M0);Ntx4;5745	Pass	500k	17.575M	17.95M	17.575M	17.9M	17.6M	18M	17.6M	17.975M
5.8G;VHT20,BF;Nss1,(M0);Ntx4;5785	Pass	500k	17.725M	17.9M	17.6M	17.9M	17.6M	17.925M	17.775M	17.875M
5.8G;VHT20,BF;Nss1,(M0);Ntx4;5825	Pass	500k	17.625M	17.975M	17.75M	17.825M	17.6M	18M	17.75M	17.9M
5.2G;VHT40,BF;Nss1,(M0);Ntx4;5190	Pass	Inf	44.1M	36.65M	44M	36.6M	43.9M	36.65M	43.75M	36.65M
5.2G;VHT40,BF;Nss1,(M0);Ntx4;5230	Pass	Inf	45M	36.75M	49.85M	36.7M	44.25M	36.7M	46.7M	36.8M
5.8G;VHT40,BF;Nss1,(M0);Ntx4;5755	Pass	500k	36.35M	36.75M	36.3M	36.7M	36.35M	36.75M	36.4M	36.6M
5.8G;VHT40,BF;Nss1,(M0);Ntx4;5795	Pass	500k	36.35M	36.8M	36.3M	36.6M	36.3M	36.75M	36.25M	36.55M
5.2G;VHT80,BF;Nss1,(M0);Ntx4;5210	Pass	Inf	83.3M	75.4M	83.1M	75.4M	83.4M	75.5M	82.8M	75.3M
5.8G;VHT80,BF;Nss1,(M0);Ntx4;5775	Pass	500k	75M	75.5M	75.1M	75.4M	75.4M	75.5M	75.1M	75.4M







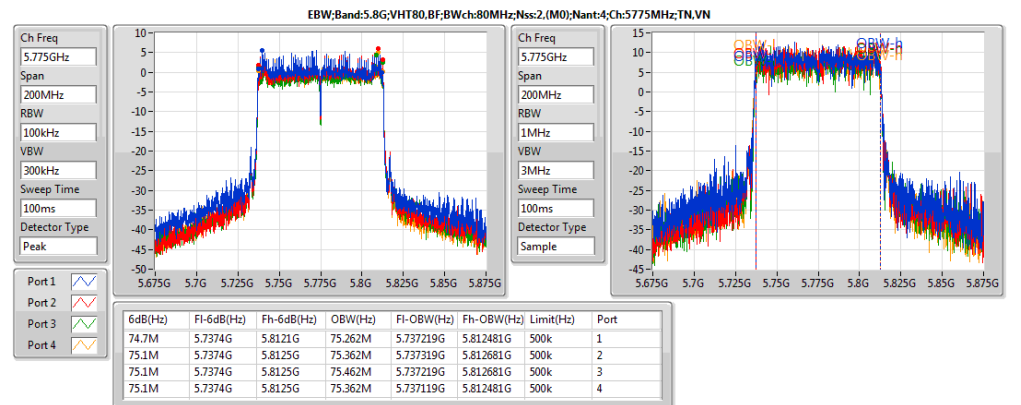
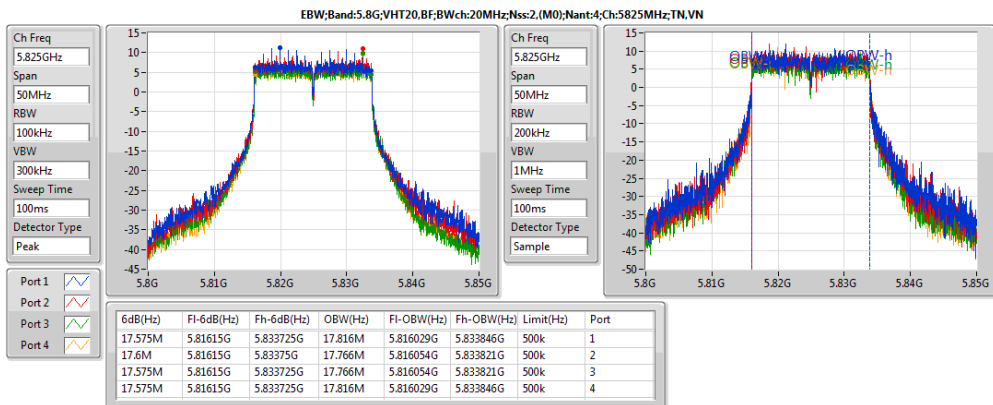
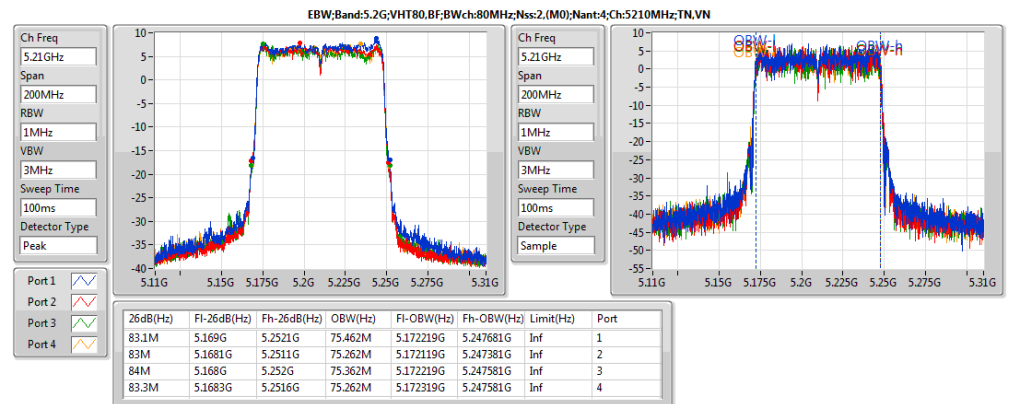
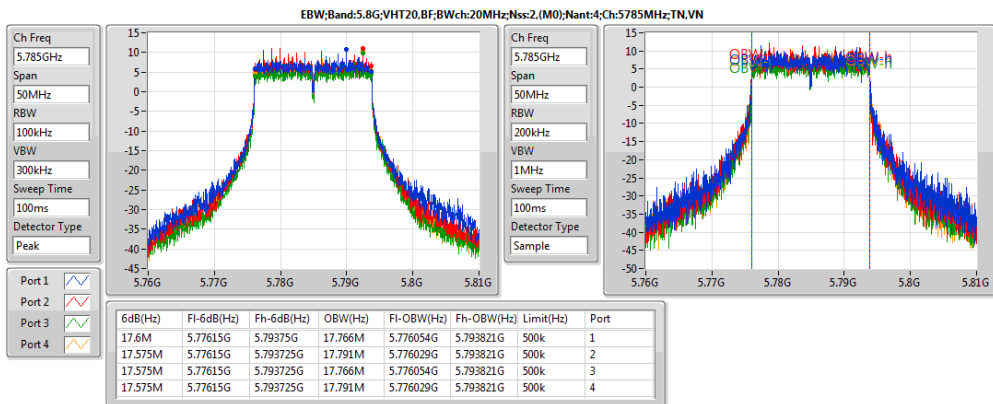
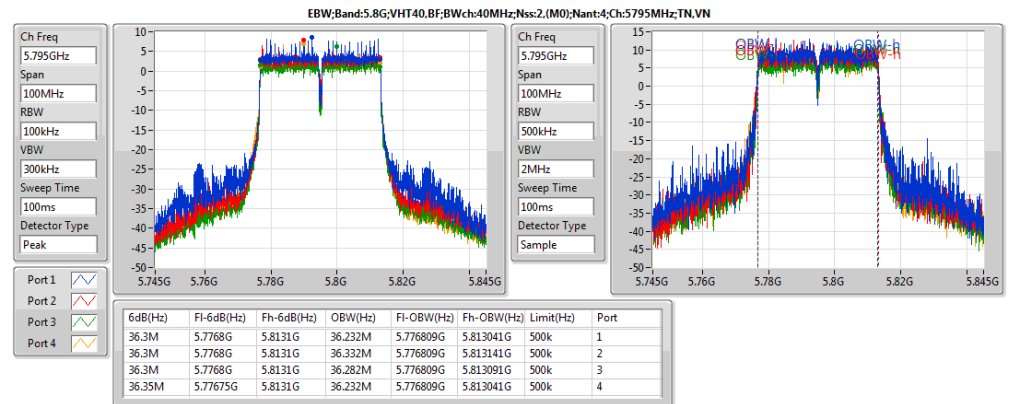
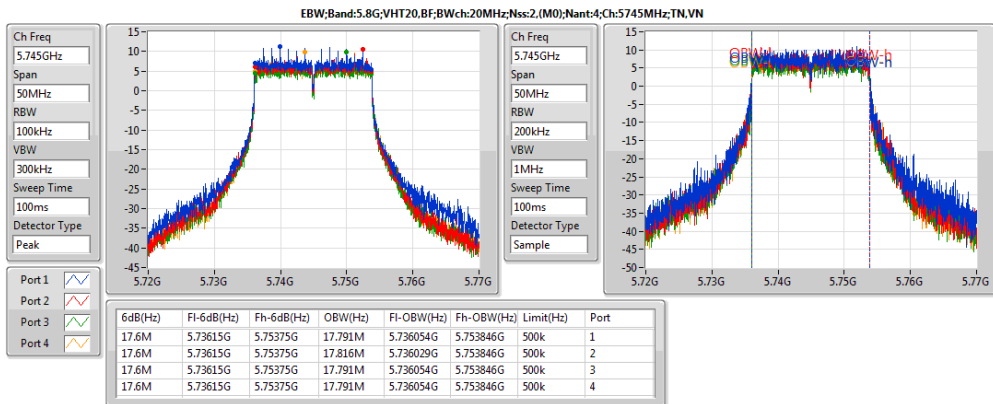
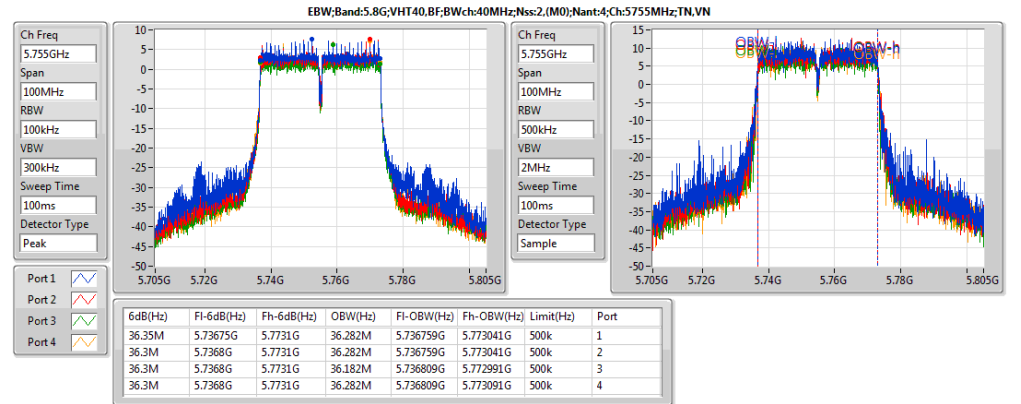
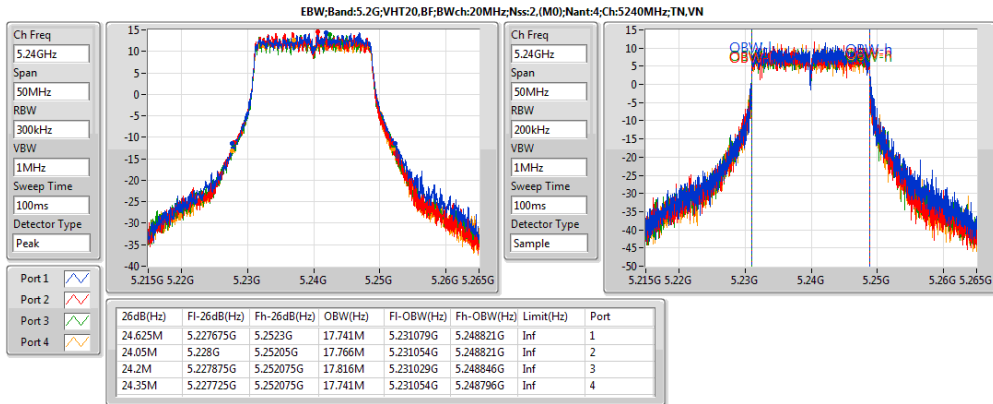
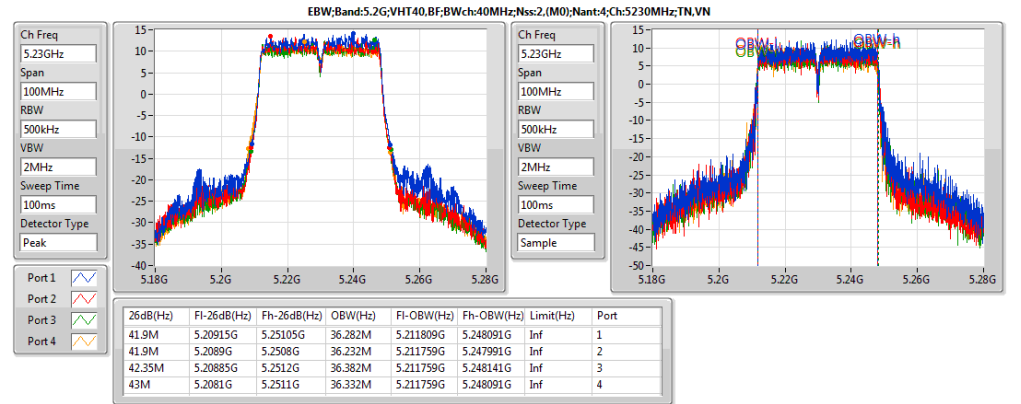
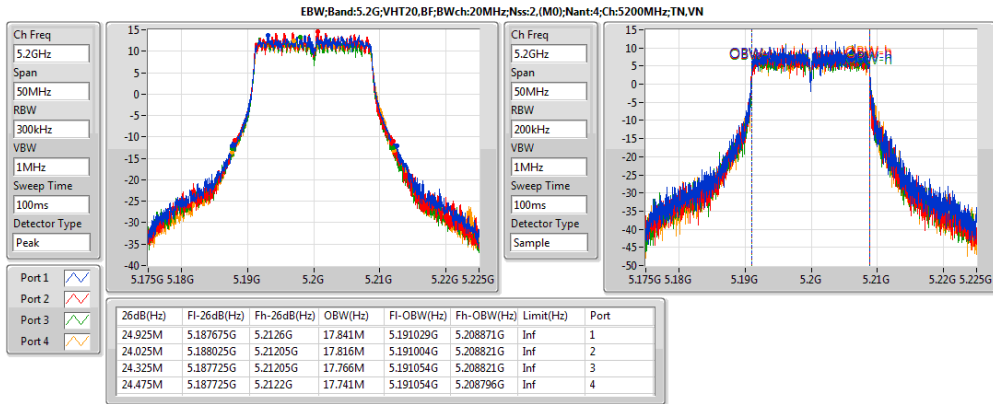
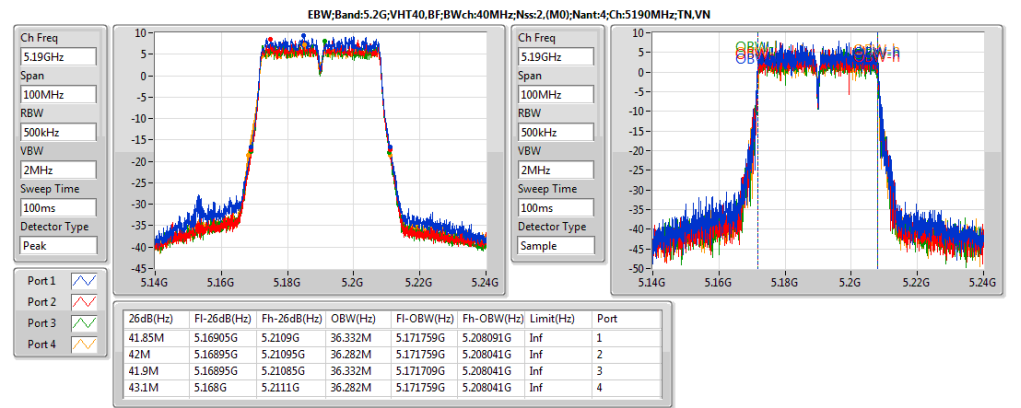
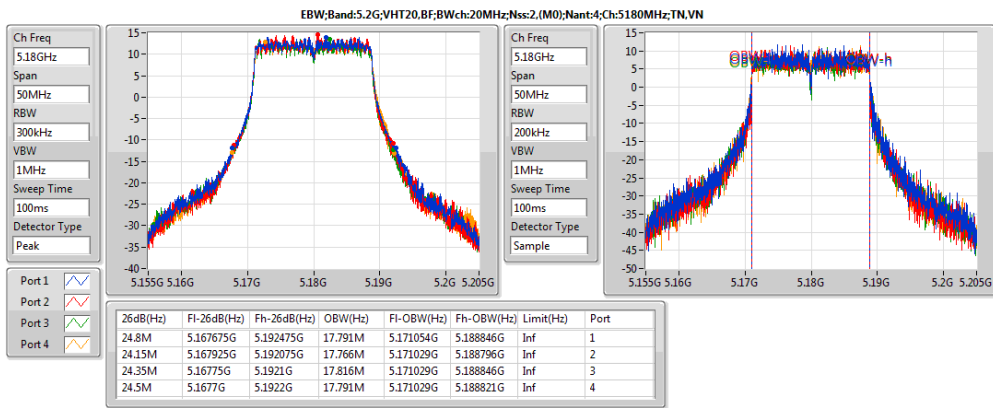
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.2G;VHT20,BF;Nss2,(M0);Ntx4	24.925M	17.841M	17M8D1D	24.025M	17.741M
5.8G;VHT20,BF;Nss2,(M0);Ntx4	17.6M	17.816M	17M8D1D	17.575M	17.766M
5.2G;VHT40,BF;Nss2,(M0);Ntx4	43.1M	36.382M	36M4D1D	41.85M	36.232M
5.8G;VHT40,BF;Nss2,(M0);Ntx4	36.35M	36.332M	36M3D1D	36.3M	36.182M
5.2G;VHT80,BF;Nss2,(M0);Ntx4	84M	75.462M	75M5D1D	83M	75.262M
5.8G;VHT80,BF;Nss2,(M0);Ntx4	75.1M	75.462M	75M5D1D	74.7M	75.262M



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;VHT20,BF;Nss2,(M0);Ntx4;5180	Pass	Inf	24.8M	17.791M	24.15M	17.766M	24.35M	17.816M	24.5M	17.791M
5.2G;VHT20,BF;Nss2,(M0);Ntx4;5200	Pass	Inf	24.925M	17.841M	24.025M	17.816M	24.325M	17.766M	24.475M	17.741M
5.2G;VHT20,BF;Nss2,(M0);Ntx4;5240	Pass	Inf	24.625M	17.741M	24.05M	17.766M	24.2M	17.816M	24.35M	17.741M
5.8G;VHT20,BF;Nss2,(M0);Ntx4;5745	Pass	500k	17.6M	17.791M	17.6M	17.816M	17.6M	17.791M	17.6M	17.791M
5.8G;VHT20,BF;Nss2,(M0);Ntx4;5785	Pass	500k	17.6M	17.766M	17.575M	17.791M	17.575M	17.766M	17.575M	17.791M
5.8G;VHT20,BF;Nss2,(M0);Ntx4;5825	Pass	500k	17.575M	17.816M	17.6M	17.766M	17.575M	17.766M	17.575M	17.816M
5.2G;VHT40,BF;Nss2,(M0);Ntx4;5190	Pass	Inf	41.85M	36.332M	42M	36.282M	41.9M	36.332M	43.1M	36.282M
5.2G;VHT40,BF;Nss2,(M0);Ntx4;5230	Pass	Inf	41.9M	36.282M	41.9M	36.232M	42.35M	36.382M	43M	36.332M
5.8G;VHT40,BF;Nss2,(M0);Ntx4;5755	Pass	500k	36.35M	36.282M	36.3M	36.282M	36.3M	36.182M	36.3M	36.282M
5.8G;VHT40,BF;Nss2,(M0);Ntx4;5795	Pass	500k	36.3M	36.232M	36.3M	36.332M	36.3M	36.282M	36.35M	36.232M
5.2G;VHT80,BF;Nss2,(M0);Ntx4;5210	Pass	Inf	83.1M	75.462M	83M	75.262M	84M	75.362M	83.3M	75.262M
5.8G;VHT80,BF;Nss2,(M0);Ntx4;5775	Pass	500k	74.7M	75.262M	75.1M	75.362M	75.1M	75.462M	75.1M	75.362M





Summary

Mode	Sum (dBm)	Sum (W)	EIRP (dBm)	EIRP (W)
5.2G;VHT20;Nss1,(M0);Ntx4	29.45	0.88105	33.75	2.37137
5.8G;VHT20;Nss1,(M0);Ntx4	29.11	0.8147	31.61	1.44877
5.2G;VHT40;Nss1,(M0);Ntx4	28.88	0.77268	33.18	2.0797
5.8G;VHT40;Nss1,(M0);Ntx4	28.54	0.7145	31.04	1.27057
5.2G;VHT80;Nss1,(M0);Ntx4	23.56	0.22699	27.86	0.61094
5.8G;VHT80;Nss1,(M0);Ntx4	28.35	0.68391	30.85	1.21619
5.2G;VHT20,BF;Nss1,(M0);Ntx4	28.82	0.76208	35.64	3.66438
5.8G;VHT20,BF;Nss1,(M0);Ntx4	29.41	0.87297	35.54	3.58096
5.2G;VHT40,BF;Nss1,(M0);Ntx4	29.03	0.79983	35.85	3.84592
5.8G;VHT40,BF;Nss1,(M0);Ntx4	28.69	0.73961	34.82	3.03389
5.2G;VHT80,BF;Nss1,(M0);Ntx4	22.84	0.19231	29.66	0.9247
5.8G;VHT80,BF;Nss1,(M0);Ntx4	28.87	0.7709	35.00	3.16228



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;VHT20;Nss1,(M0);Ntx4;5180	Pass	4.30	29.45	30.00	33.75	36.00	23.15	23.41	23.55	23.58
5.2G;VHT20;Nss1,(M0);Ntx4;5200	Pass	4.30	29.21	30.00	33.51	36.00	22.92	23.47	23.05	23.31
5.2G;VHT20;Nss1,(M0);Ntx4;5240	Pass	4.30	29.03	30.00	33.33	36.00	23.00	23.23	22.67	23.10
5.8G;VHT20;Nss1,(M0);Ntx4;5745	Pass	2.50	29.11	30.00	31.61	36.00	22.61	22.97	23.36	23.39
5.8G;VHT20;Nss1,(M0);Ntx4;5785	Pass	2.50	28.61	30.00	31.11	36.00	21.97	22.79	22.94	22.61
5.8G;VHT20;Nss1,(M0);Ntx4;5825	Pass	2.50	28.72	30.00	31.22	36.00	22.22	22.64	22.84	23.04
5.2G;VHT40;Nss1,(M0);Ntx4;5190	Pass	4.30	25.70	30.00	30.00	36.00	19.61	19.41	19.86	19.82
5.2G;VHT40;Nss1,(M0);Ntx4;5230	Pass	4.30	28.88	30.00	33.18	36.00	22.62	23.13	22.99	22.66
5.8G;VHT40;Nss1,(M0);Ntx4;5755	Pass	2.50	28.54	30.00	31.04	36.00	22.09	22.43	22.91	22.60
5.8G;VHT40;Nss1,(M0);Ntx4;5795	Pass	2.50	28.38	30.00	30.88	36.00	21.94	22.45	22.51	22.51
5.2G;VHT80;Nss1,(M0);Ntx4;5210	Pass	4.30	23.56	30.00	27.86	36.00	17.32	17.54	17.72	17.58
5.8G;VHT80;Nss1,(M0);Ntx4;5775	Pass	2.50	28.35	30.00	30.85	36.00	21.92	22.43	22.54	22.42
5.2G;VHT20,BF;Nss1,(M0);Ntx4;5180	Pass	6.82	28.82	29.18	35.64	36.00	22.72	22.71	22.89	22.87
5.2G;VHT20,BF;Nss1,(M0);Ntx4;5200	Pass	6.82	28.60	29.18	35.42	36.00	22.68	22.65	22.48	22.51
5.2G;VHT20,BF;Nss1,(M0);Ntx4;5240	Pass	6.82	28.67	29.18	35.49	36.00	22.51	22.79	22.83	22.46
5.8G;VHT20,BF;Nss1,(M0);Ntx4;5745	Pass	6.13	29.41	29.87	35.54	36.00	23.11	23.08	23.66	23.68
5.8G;VHT20,BF;Nss1,(M0);Ntx4;5785	Pass	6.13	28.85	29.87	34.98	36.00	22.44	22.47	23.16	23.18
5.8G;VHT20,BF;Nss1,(M0);Ntx4;5825	Pass	6.13	29.19	29.87	35.32	36.00	22.77	22.69	23.57	23.58
5.2G;VHT40,BF;Nss1,(M0);Ntx4;5190	Pass	6.82	24.16	29.18	30.98	36.00	18.14	18.12	18.16	18.15
5.2G;VHT40,BF;Nss1,(M0);Ntx4;5230	Pass	6.82	29.03	29.18	35.85	36.00	22.93	22.95	23.09	23.07
5.8G;VHT40,BF;Nss1,(M0);Ntx4;5755	Pass	6.13	28.69	29.87	34.82	36.00	22.20	22.34	23.05	23.01
5.8G;VHT40,BF;Nss1,(M0);Ntx4;5795	Pass	6.13	28.48	29.87	34.61	36.00	21.91	22.14	22.84	22.87
5.2G;VHT80,BF;Nss1,(M0);Ntx4;5210	Pass	6.82	22.84	29.18	29.66	36.00	16.77	16.64	16.92	16.96
5.8G;VHT80,BF;Nss1,(M0);Ntx4;5775	Pass	6.13	28.87	29.87	35.00	36.00	22.58	22.58	23.09	23.12



Summary

Mode	Sum (dBm)	Sum (W)	EIRP (dBm)	EIRP (W)
5.2G;VHT20,BF;Nss2,(M0);Ntx4	29.93	0.98401	33.89	2.44906
5.8G;VHT20,BF;Nss2,(M0);Ntx4	29.21	0.83368	32.33	1.71002
5.2G;VHT40,BF;Nss2,(M0);Ntx4	28.74	0.74817	32.70	1.86209
5.8G;VHT40,BF;Nss2,(M0);Ntx4	29.10	0.81283	32.22	1.66725
5.2G;VHT80,BF;Nss2,(M0);Ntx4	24.64	0.29107	28.60	0.72444
5.8G;VHT80,BF;Nss2,(M0);Ntx4	28.99	0.7925	32.11	1.62555



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;VHT20,BF;Nss2,(M0);Ntx4;5180	Pass	3.96	29.65	30.00	33.61	36.00	24.04	23.85	23.25	23.32
5.2G;VHT20,BF;Nss2,(M0);Ntx4;5200	Pass	3.96	29.52	30.00	33.48	36.00	23.88	23.86	23.09	23.08
5.2G;VHT20,BF;Nss2,(M0);Ntx4;5240	Pass	3.96	29.93	30.00	33.89	36.00	24.26	24.25	23.55	23.52
5.8G;VHT20,BF;Nss2,(M0);Ntx4;5745	Pass	3.12	29.14	30.00	32.26	36.00	23.81	23.85	22.29	22.26
5.8G;VHT20,BF;Nss2,(M0);Ntx4;5785	Pass	3.12	28.99	30.00	32.11	36.00	23.73	23.72	22.05	22.06
5.8G;VHT20,BF;Nss2,(M0);Ntx4;5825	Pass	3.12	29.21	30.00	32.33	36.00	23.84	23.79	22.41	22.50
5.2G;VHT40,BF;Nss2,(M0);Ntx4;5190	Pass	3.96	24.53	30.00	28.49	36.00	18.87	18.38	18.50	18.28
5.2G;VHT40,BF;Nss2,(M0);Ntx4;5230	Pass	3.96	28.74	30.00	32.70	36.00	23.23	22.99	22.30	22.27
5.8G;VHT40,BF;Nss2,(M0);Ntx4;5755	Pass	3.12	28.93	30.00	32.05	36.00	22.65	23.40	22.91	22.64
5.8G;VHT40,BF;Nss2,(M0);Ntx4;5795	Pass	3.12	29.10	30.00	32.22	36.00	23.56	23.52	22.62	22.50
5.2G;VHT80,BF;Nss2,(M0);Ntx4;5210	Pass	3.96	24.64	30.00	28.60	36.00	18.70	18.87	18.81	18.05
5.8G;VHT80,BF;Nss2,(M0);Ntx4;5775	Pass	3.12	28.99	30.00	32.11	36.00	22.61	23.89	23.06	22.10



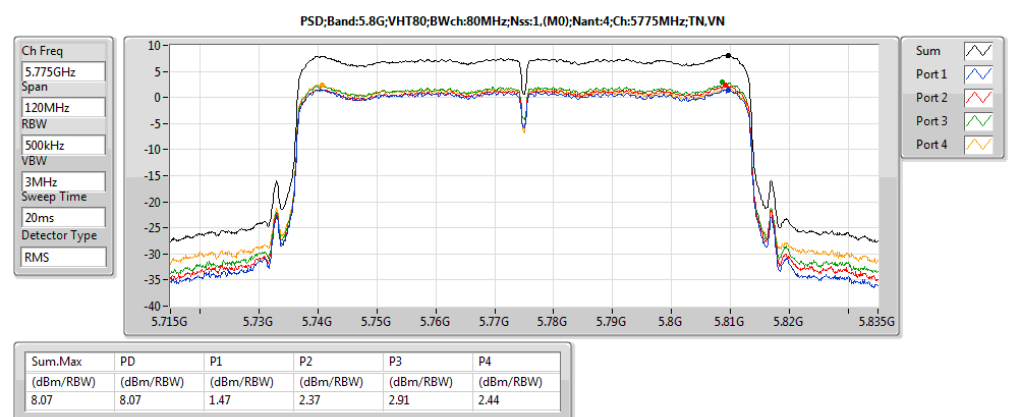
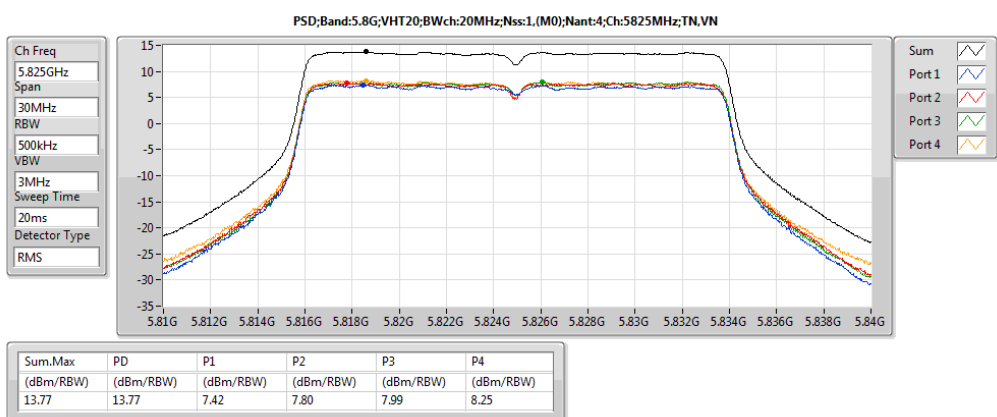
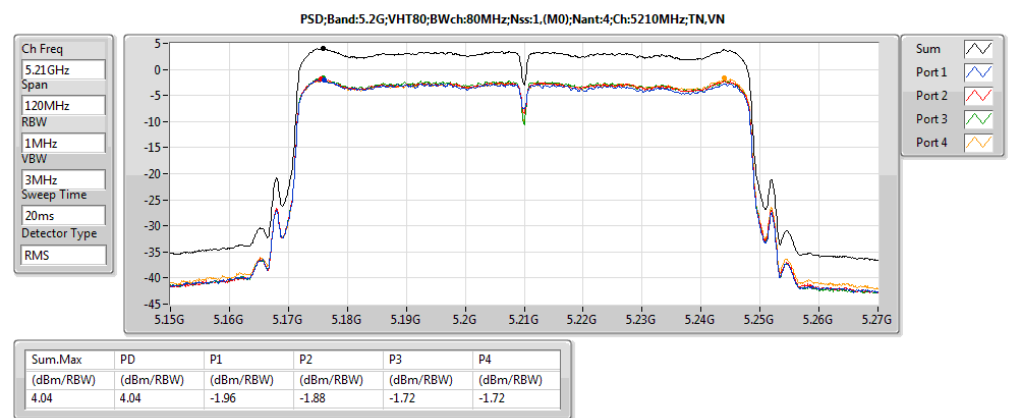
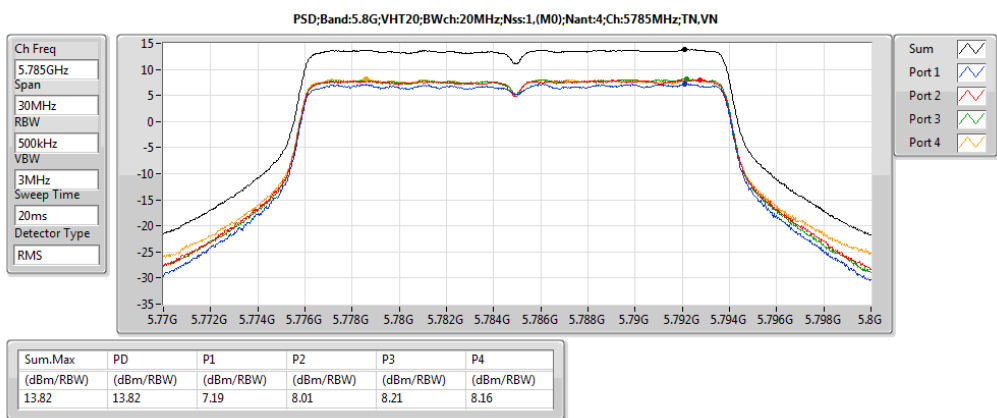
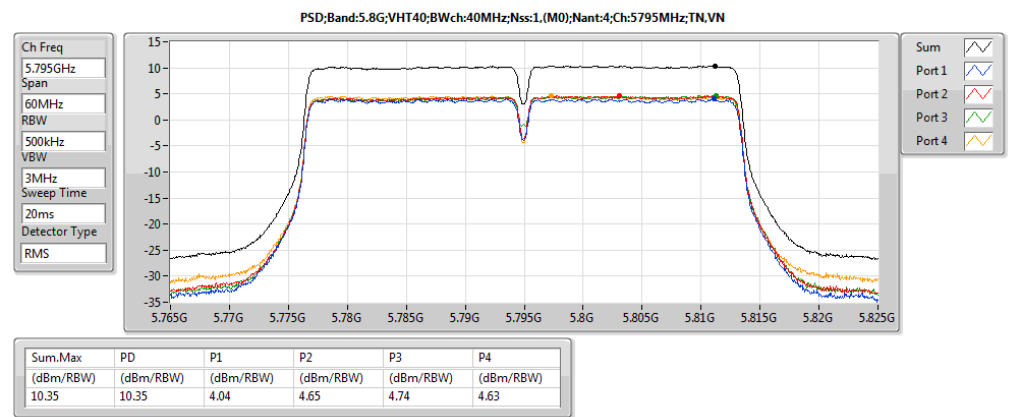
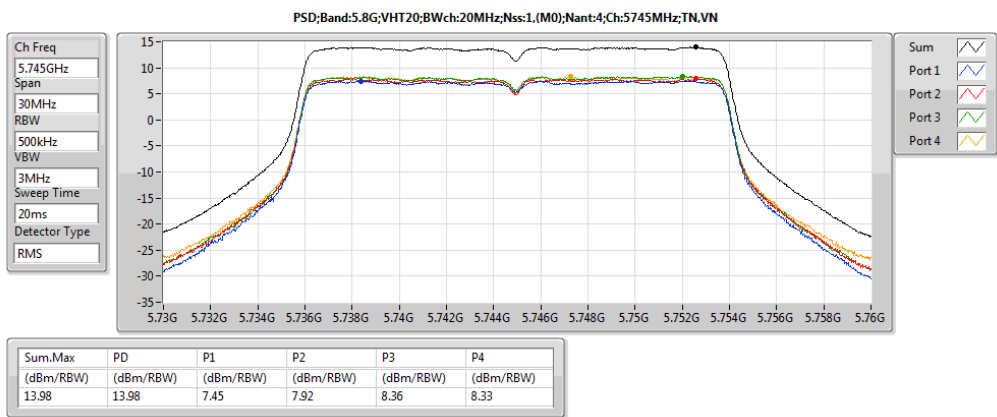
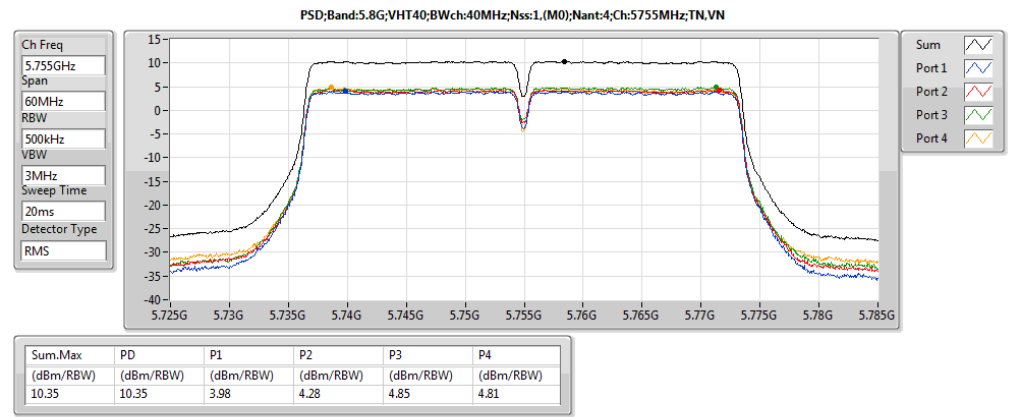
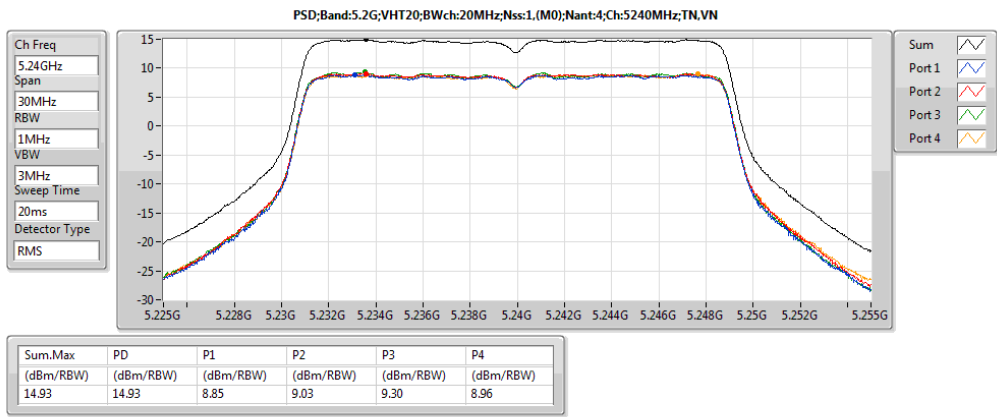
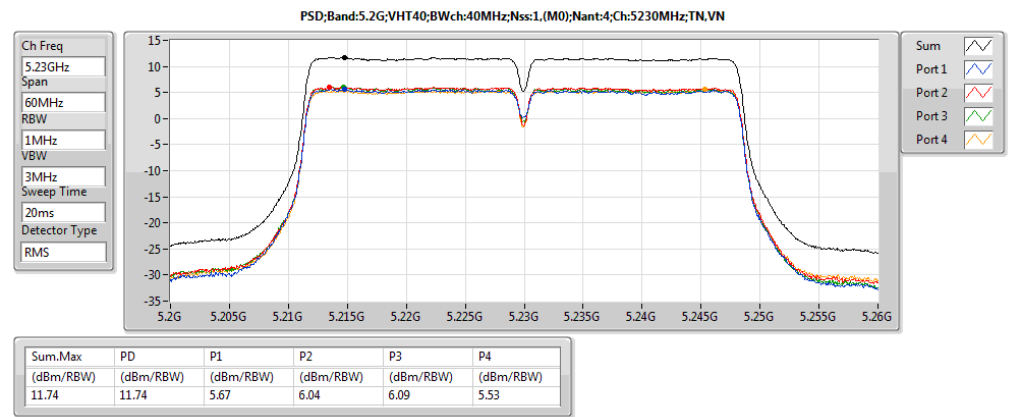
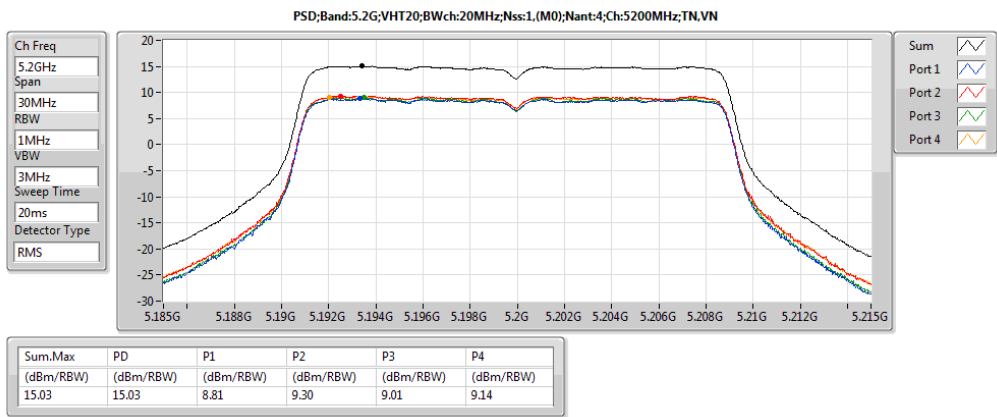
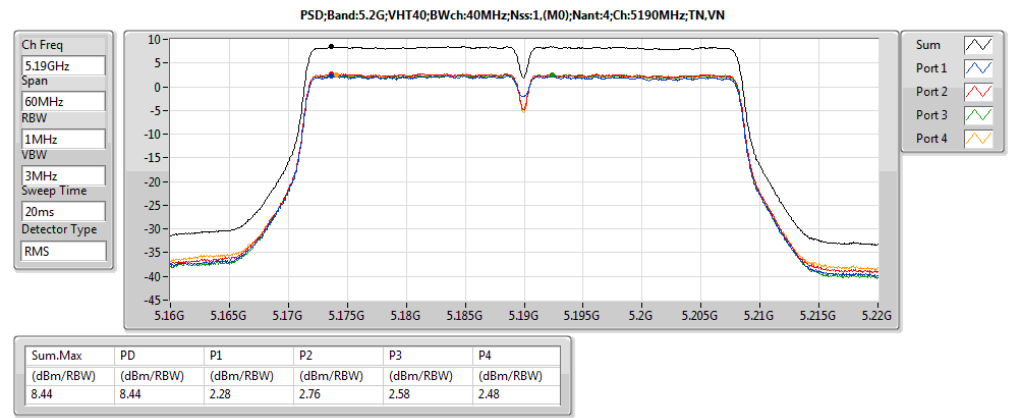
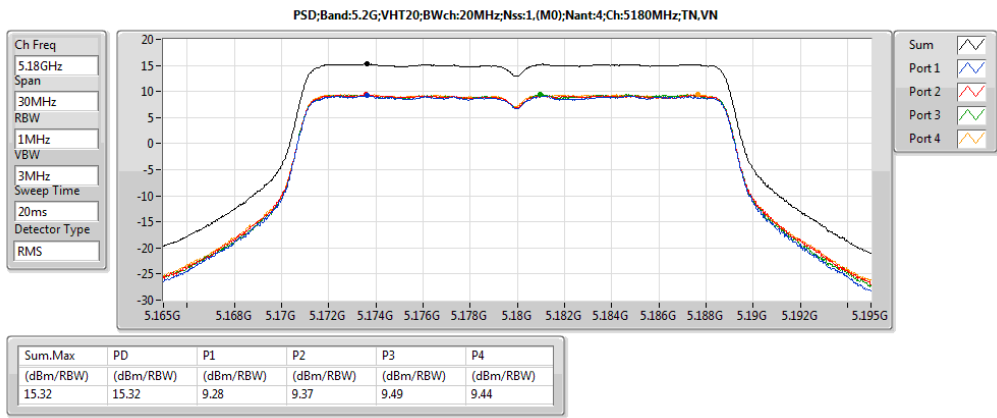
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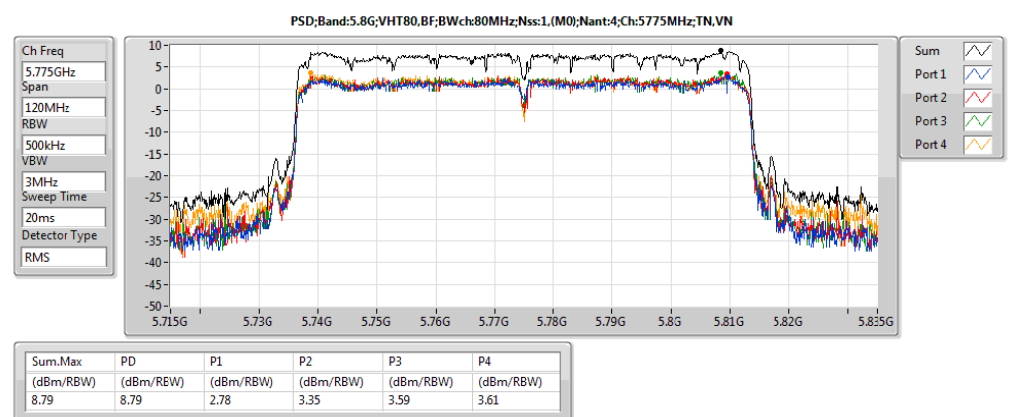
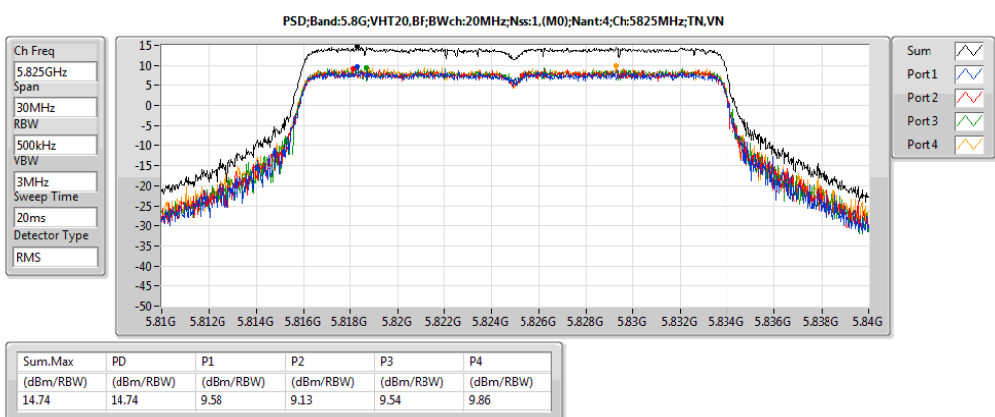
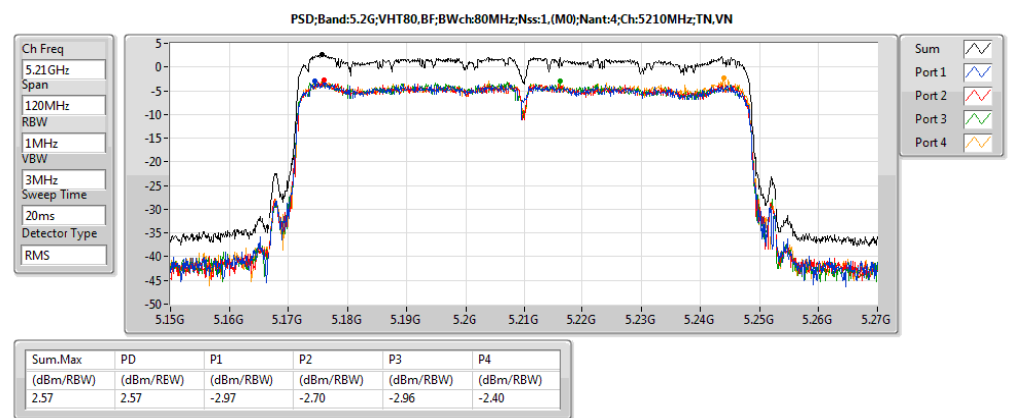
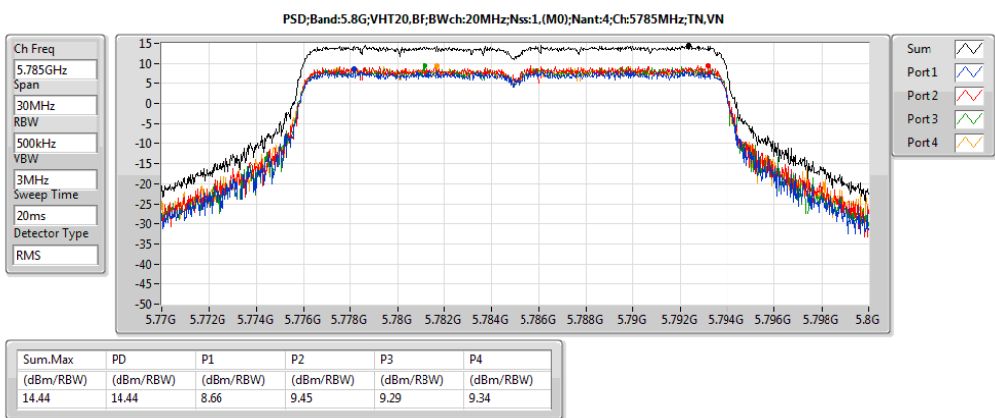
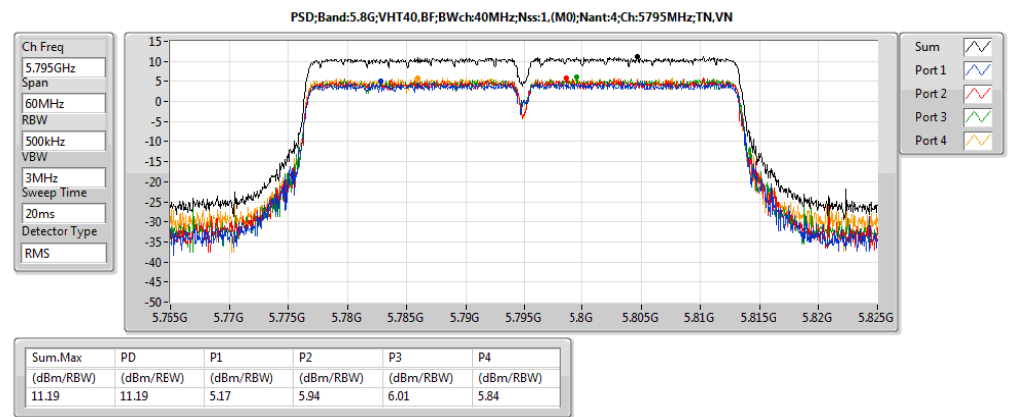
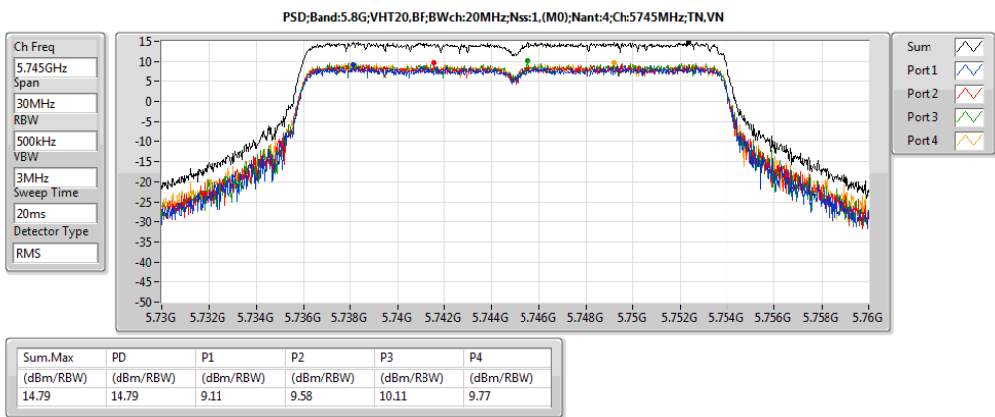
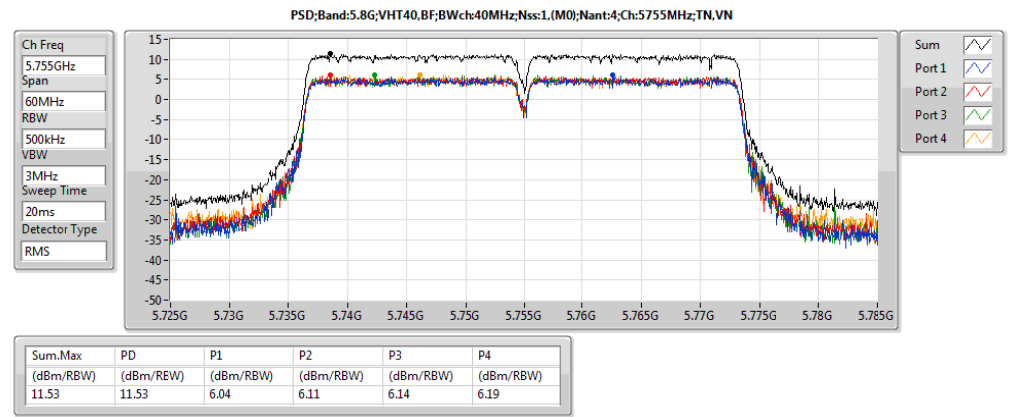
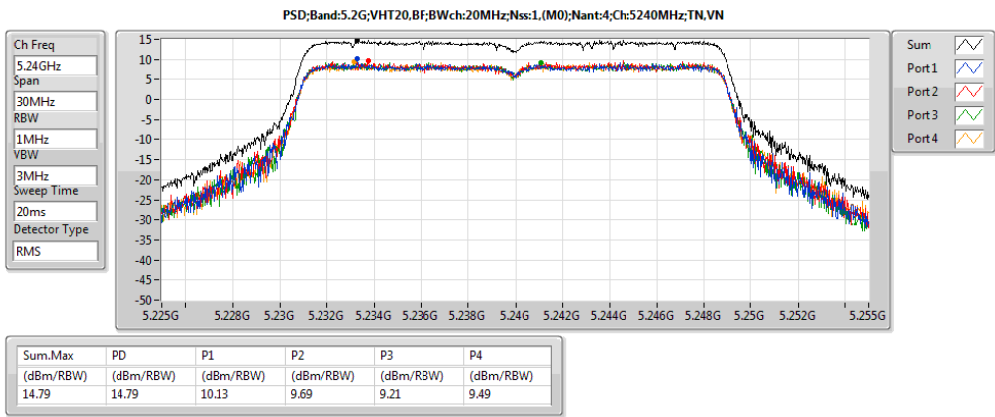
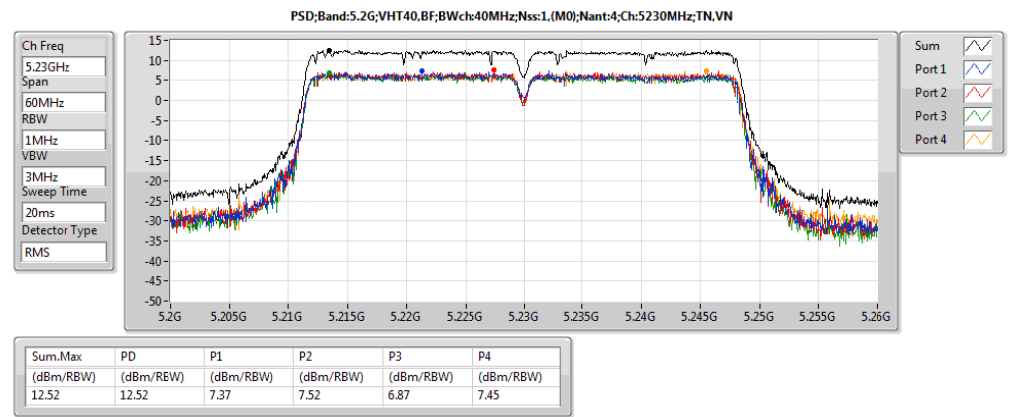
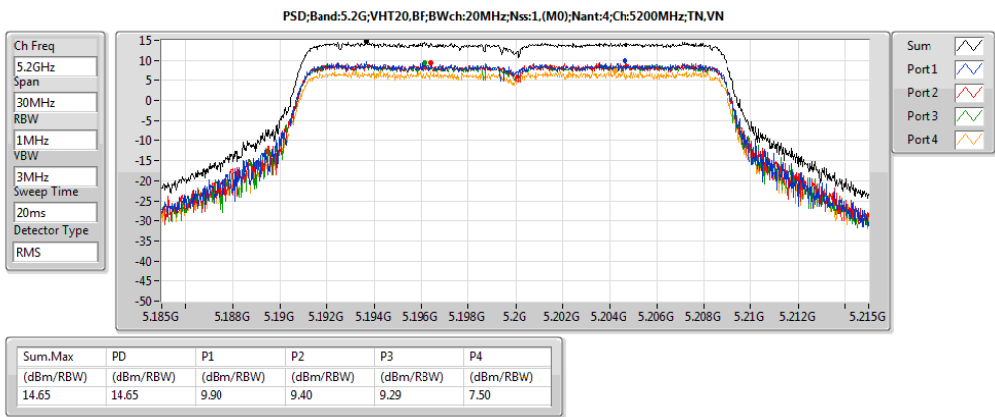
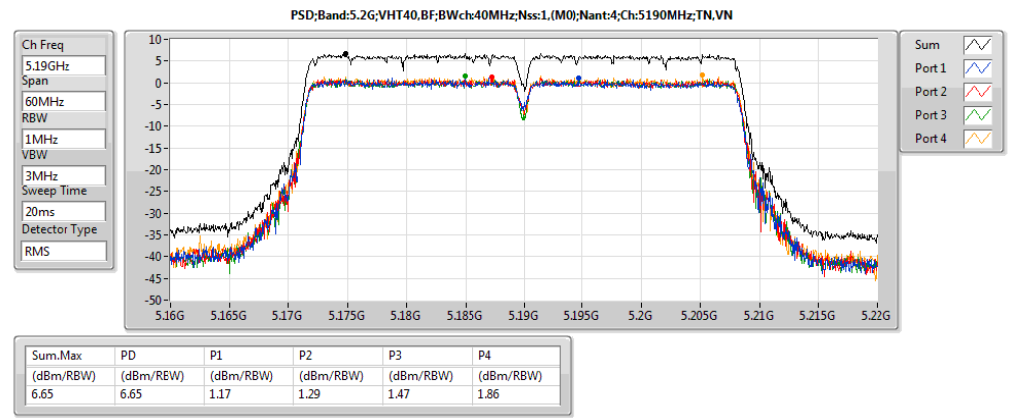
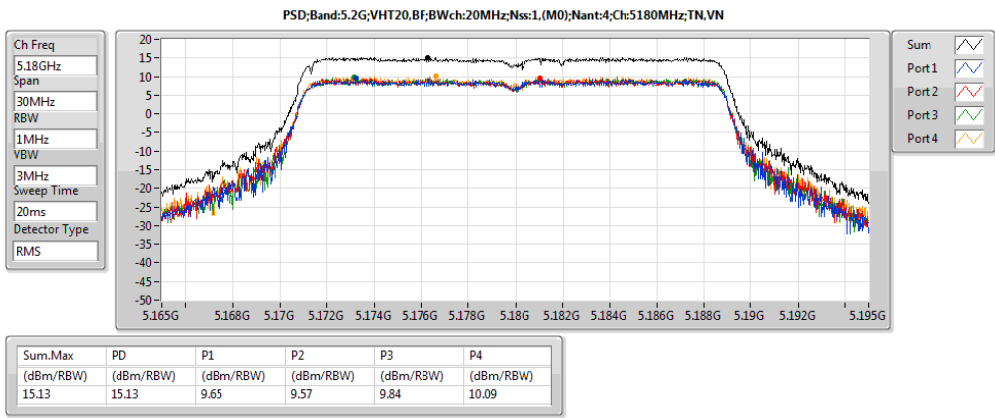
Mode	PD (dBm/RBW)	EIRP.PD (dBm/RBW)
5.2G;VHT20;Nss1,(M0);Ntx4	15.32	22.14
5.8G;VHT20;Nss1,(M0);Ntx4	13.98	20.11
5.2G;VHT40;Nss1,(M0);Ntx4	11.74	18.56
5.8G;VHT40;Nss1,(M0);Ntx4	10.35	16.48
5.2G;VHT80;Nss1,(M0);Ntx4	4.04	10.86
5.8G;VHT80;Nss1,(M0);Ntx4	8.07	14.20
5.2G;VHT20,BF;Nss1,(M0);Ntx4	15.13	21.95
5.8G;VHT20,BF;Nss1,(M0);Ntx4	14.79	20.92
5.2G;VHT40,BF;Nss1,(M0);Ntx4	12.52	19.34
5.8G;VHT40,BF;Nss1,(M0);Ntx4	11.53	17.66
5.2G;VHT80,BF;Nss1,(M0);Ntx4	2.57	9.39
5.8G;VHT80,BF;Nss1,(M0);Ntx4	8.79	14.92



Result

Mode	Result	DG (dBi)	PD (dBm/RBW)	PD.Limit (dBm/RBW)	P1 (dBm/RBW)	P2 (dBm/RBW)	P3 (dBm/RBW)	P4 (dBm/RBW)
5.2G;VHT20;Nss1,(M0);Ntx4;5180	Pass	6.82	15.32	16.18	9.28	9.37	9.49	9.44
5.2G;VHT20;Nss1,(M0);Ntx4;5200	Pass	6.82	15.03	16.18	8.81	9.30	9.01	9.14
5.2G;VHT20;Nss1,(M0);Ntx4;5240	Pass	6.82	14.93	16.18	8.85	9.03	9.30	8.96
5.8G;VHT20;Nss1,(M0);Ntx4;5745	Pass	6.13	13.98	29.87	7.45	7.92	8.36	8.33
5.8G;VHT20;Nss1,(M0);Ntx4;5785	Pass	6.13	13.82	29.87	7.19	8.01	8.21	8.16
5.8G;VHT20;Nss1,(M0);Ntx4;5825	Pass	6.13	13.77	29.87	7.42	7.80	7.99	8.25
5.2G;VHT40;Nss1,(M0);Ntx4;5190	Pass	6.82	8.44	16.18	2.28	2.76	2.58	2.48
5.2G;VHT40;Nss1,(M0);Ntx4;5230	Pass	6.82	11.74	16.18	5.67	6.04	6.09	5.53
5.8G;VHT40;Nss1,(M0);Ntx4;5755	Pass	6.13	10.35	29.87	3.98	4.28	4.85	4.81
5.8G;VHT40;Nss1,(M0);Ntx4;5795	Pass	6.13	10.35	29.87	4.04	4.65	4.74	4.63
5.2G;VHT80;Nss1,(M0);Ntx4;5210	Pass	6.82	4.04	16.18	-1.96	-1.88	-1.72	-1.72
5.8G;VHT80;Nss1,(M0);Ntx4;5775	Pass	6.13	8.07	29.87	1.47	2.37	2.91	2.44
5.2G;VHT20,BF;Nss1,(M0);Ntx4;5180	Pass	6.82	15.13	16.18	9.65	9.57	9.84	10.09
5.2G;VHT20,BF;Nss1,(M0);Ntx4;5200	Pass	6.82	14.65	16.18	9.90	9.40	9.29	7.50
5.2G;VHT20,BF;Nss1,(M0);Ntx4;5240	Pass	6.82	14.79	16.18	10.13	9.69	9.21	9.49
5.8G;VHT20,BF;Nss1,(M0);Ntx4;5745	Pass	6.13	14.79	29.87	9.11	9.58	10.11	9.77
5.8G;VHT20,BF;Nss1,(M0);Ntx4;5785	Pass	6.13	14.44	29.87	8.66	9.45	9.29	9.34
5.8G;VHT20,BF;Nss1,(M0);Ntx4;5825	Pass	6.13	14.74	29.87	9.58	9.13	9.54	9.86
5.2G;VHT40,BF;Nss1,(M0);Ntx4;5190	Pass	6.82	6.65	16.18	1.17	1.29	1.47	1.86
5.2G;VHT40,BF;Nss1,(M0);Ntx4;5230	Pass	6.82	12.52	16.18	7.37	7.52	6.87	7.45
5.8G;VHT40,BF;Nss1,(M0);Ntx4;5755	Pass	6.13	11.53	29.87	6.04	6.11	6.14	6.19
5.8G;VHT40,BF;Nss1,(M0);Ntx4;5795	Pass	6.13	11.19	29.87	5.17	5.94	6.01	5.84
5.2G;VHT80,BF;Nss1,(M0);Ntx4;5210	Pass	6.82	2.57	16.18	-2.97	-2.70	-2.96	-2.40
5.8G;VHT80,BF;Nss1,(M0);Ntx4;5775	Pass	6.13	8.79	29.87	2.78	3.35	3.59	3.61







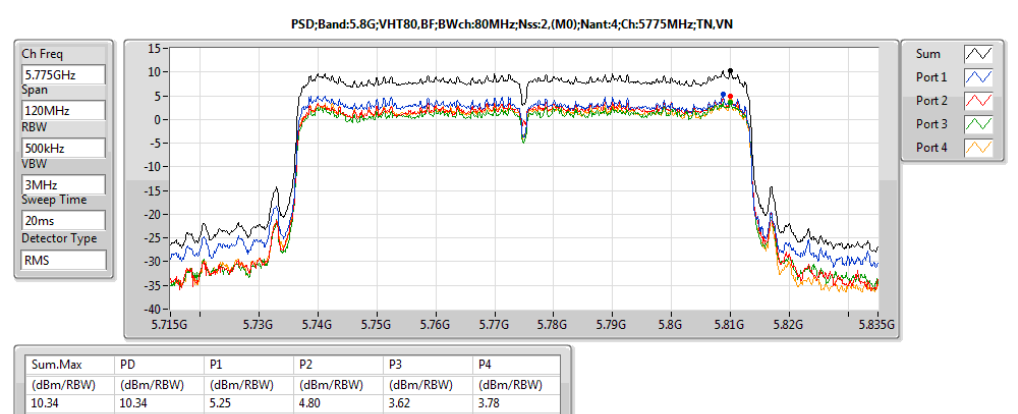
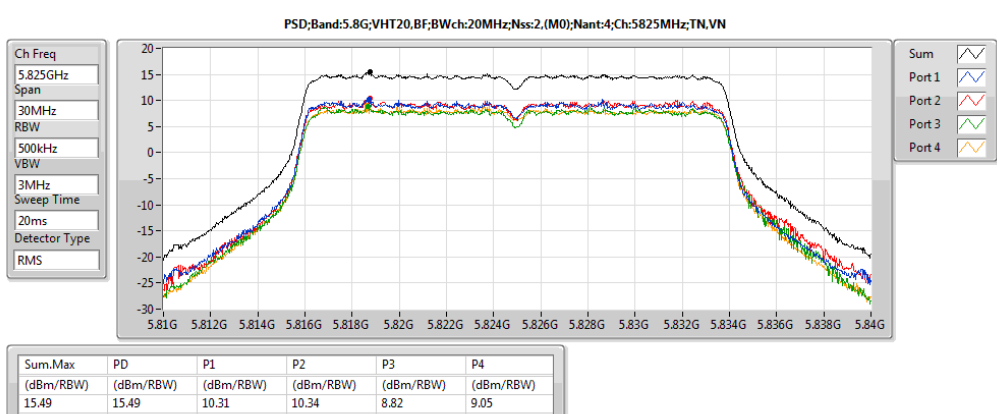
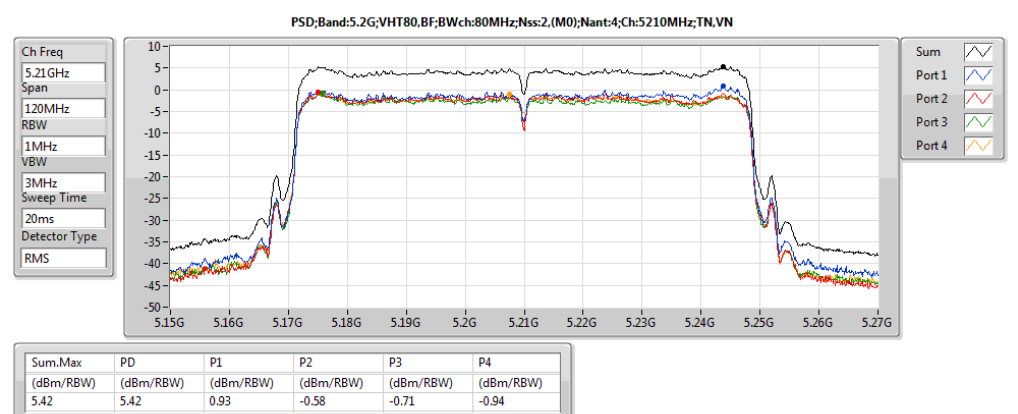
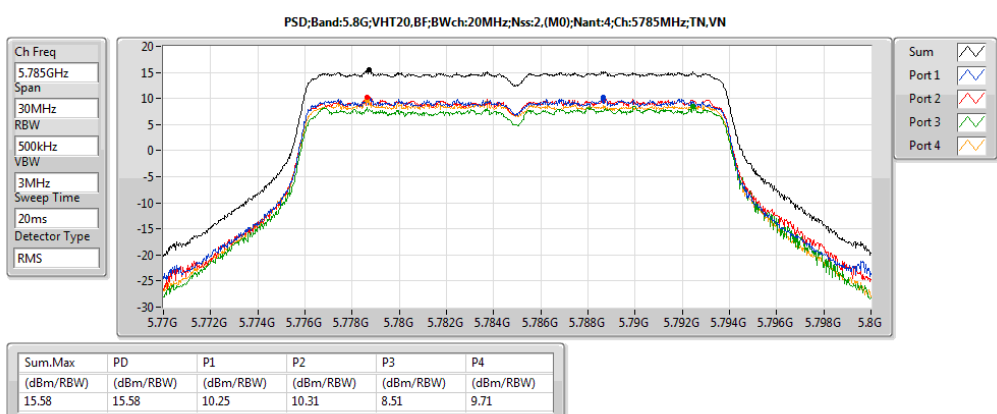
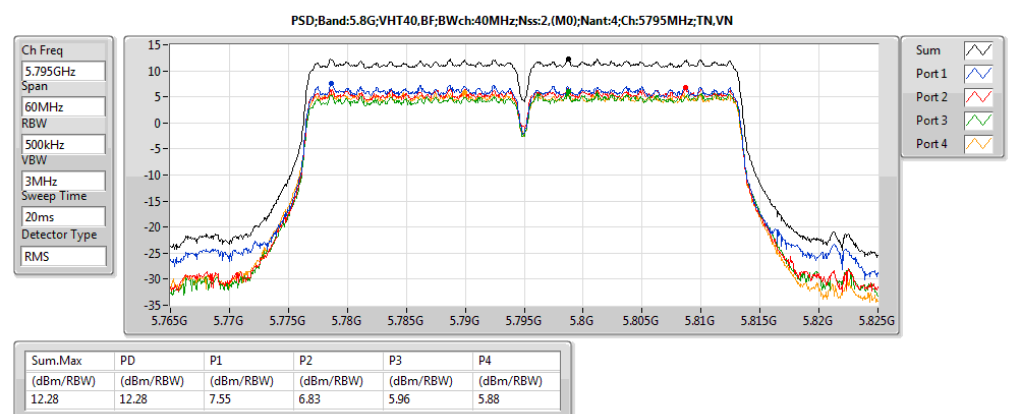
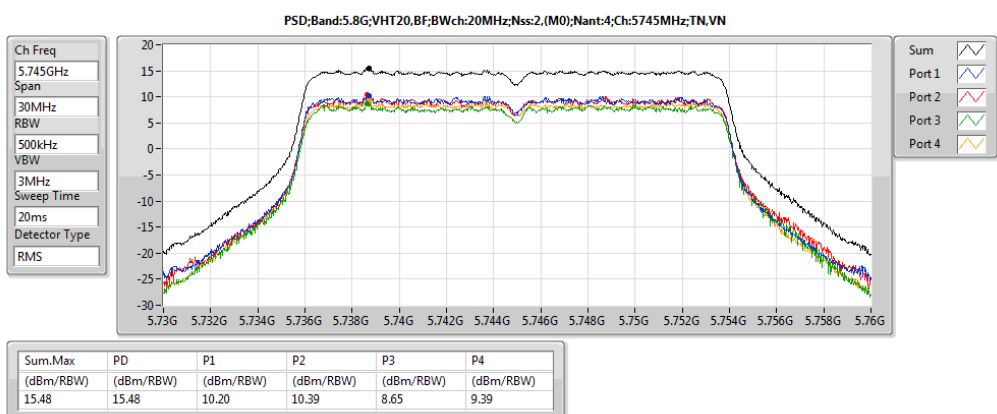
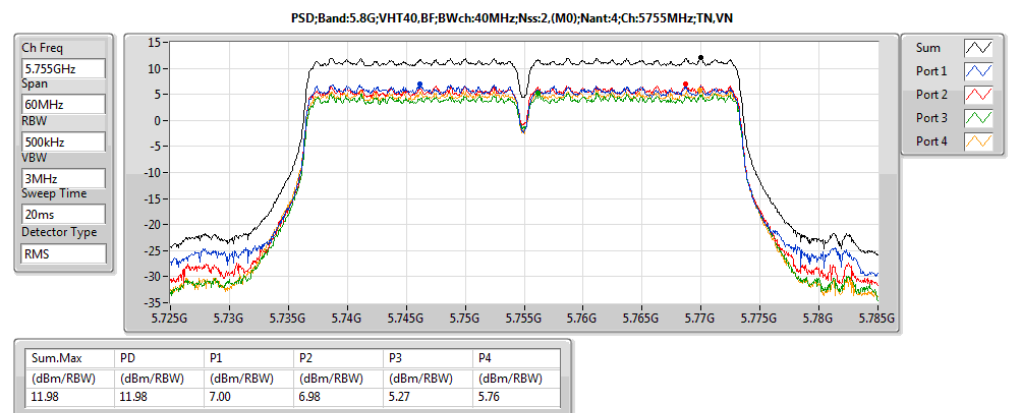
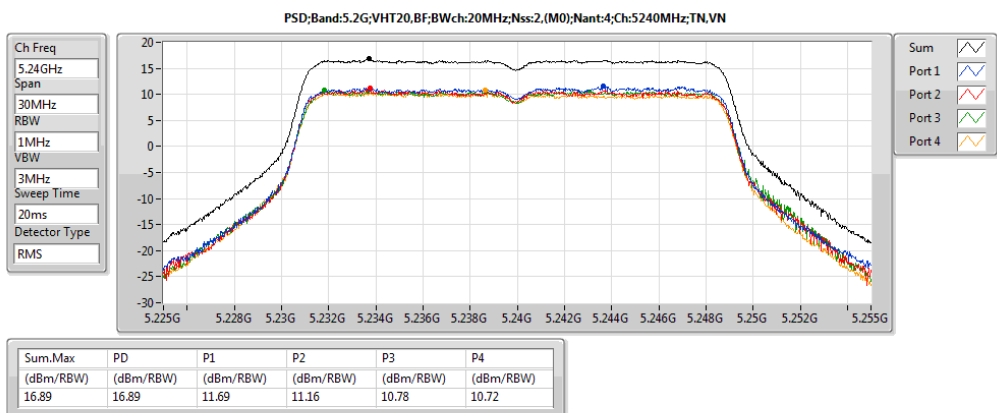
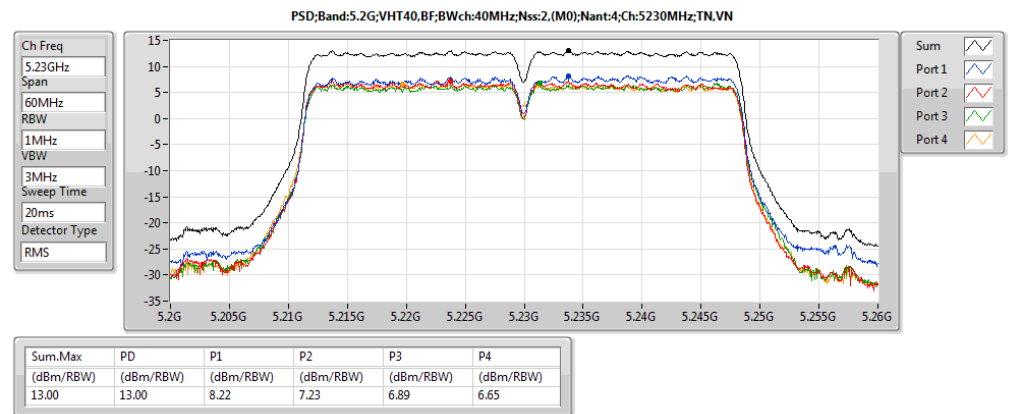
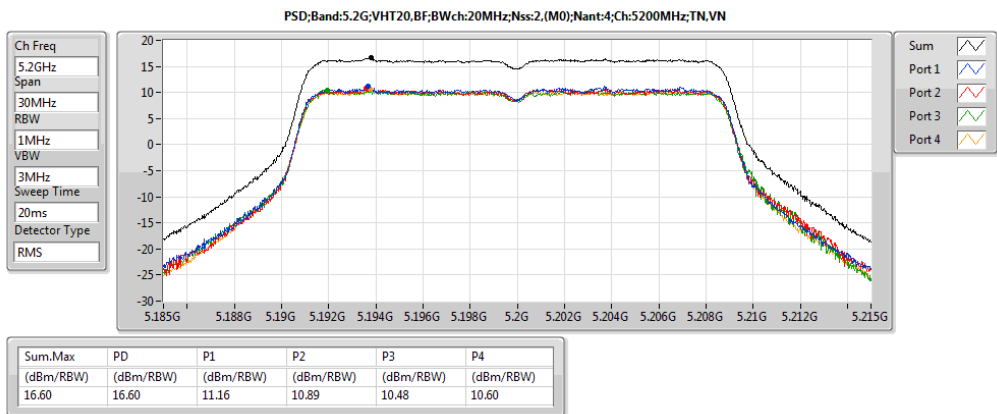
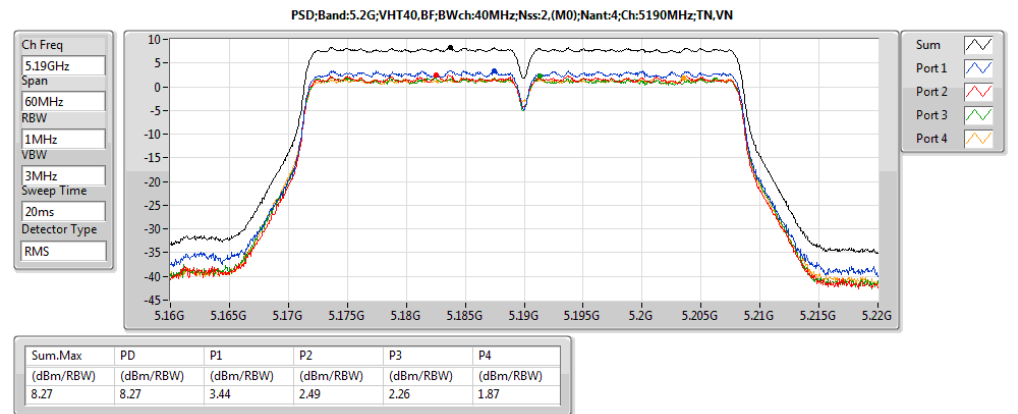
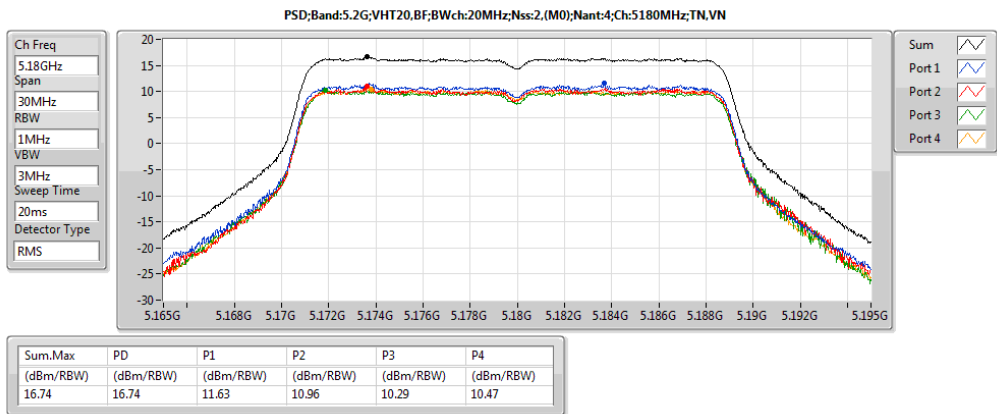
Summary

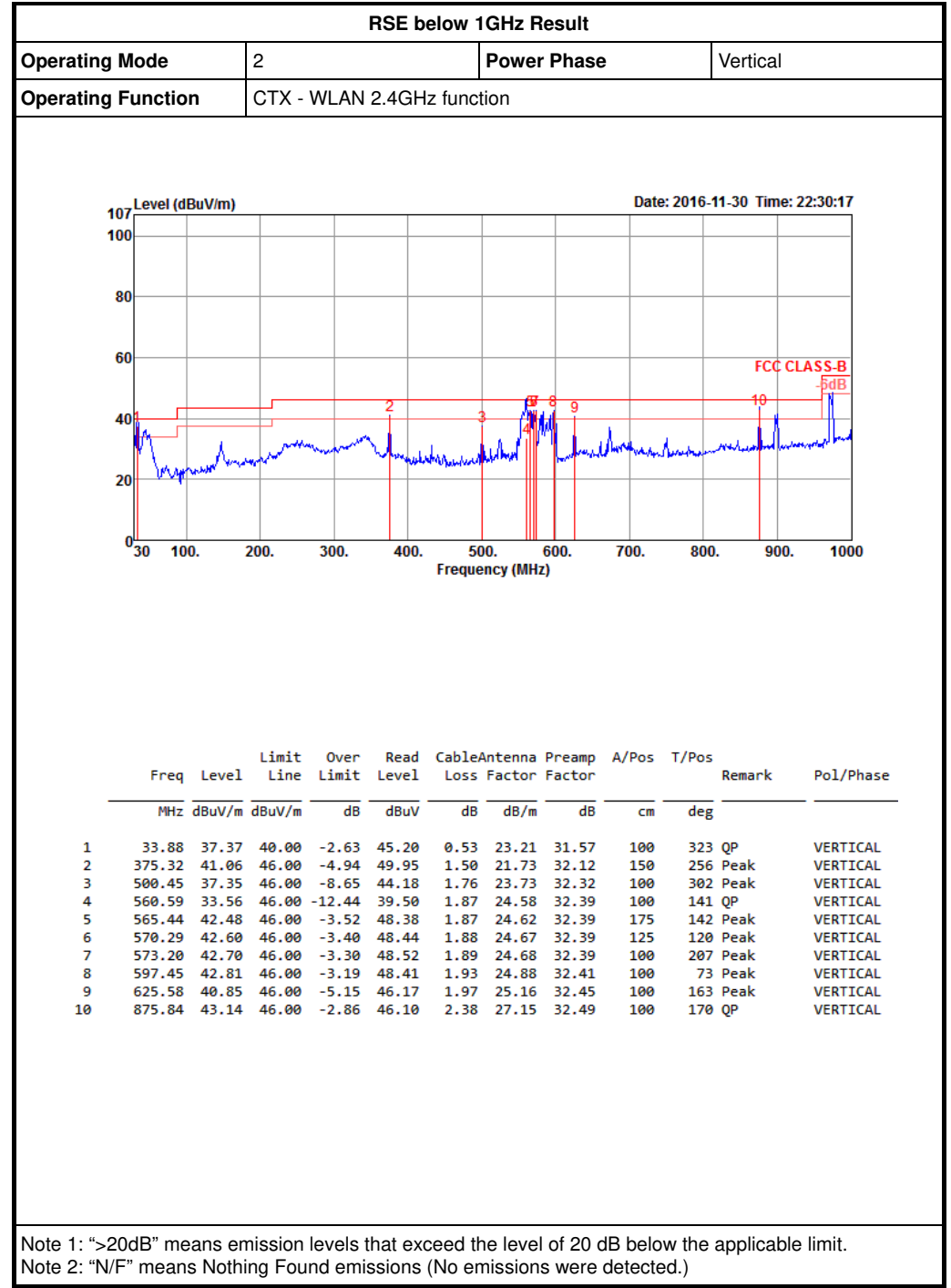
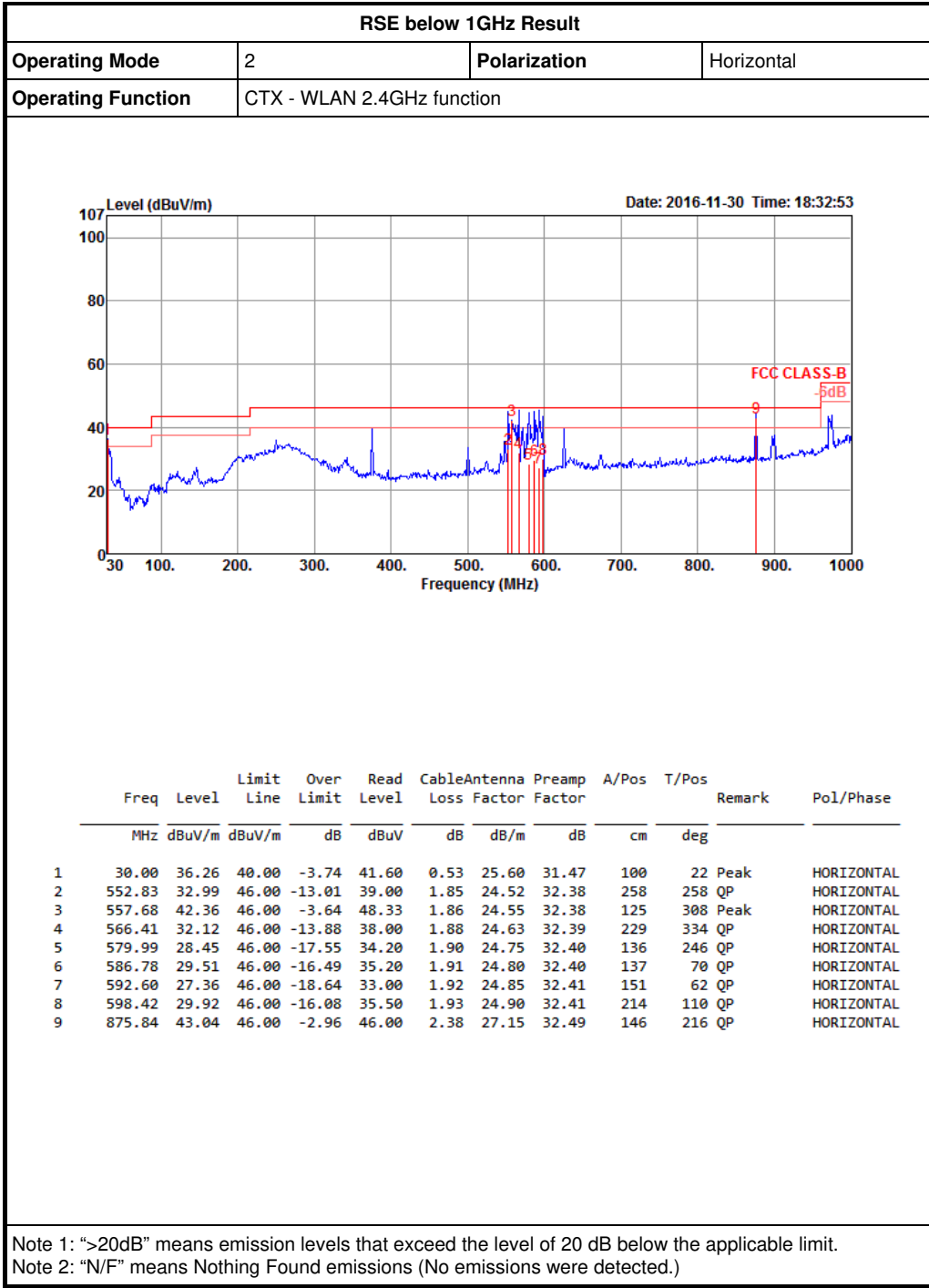
Mode	PD (dBm/RBW)	EIRP.PD (dBm/RBW)
5.2G;VHT20,BF;Nss2,(M0);Ntx4	16.89	20.85
5.8G;VHT20,BF;Nss2,(M0);Ntx4	15.58	18.70
5.2G;VHT40,BF;Nss2,(M0);Ntx4	13.00	16.96
5.8G;VHT40,BF;Nss2,(M0);Ntx4	12.28	15.40
5.2G;VHT80,BF;Nss2,(M0);Ntx4	5.42	9.38
5.8G;VHT80,BF;Nss2,(M0);Ntx4	10.34	13.46



Result

Mode	Result	DG (dBi)	PD (dBm/RBW)	PD.Limit (dBm/RBW)	P1 (dBm/RBW)	P2 (dBm/RBW)	P3 (dBm/RBW)	P4 (dBm/RBW)
5.2G;VHT20,BF;Nss2,(M0);Ntx4;5180	Pass	3.96	16.74	17.00	11.63	10.96	10.29	10.47
5.2G;VHT20,BF;Nss2,(M0);Ntx4;5200	Pass	3.96	16.60	17.00	11.16	10.89	10.48	10.60
5.2G;VHT20,BF;Nss2,(M0);Ntx4;5240	Pass	3.96	16.89	17.00	11.69	11.16	10.78	10.72
5.8G;VHT20,BF;Nss2,(M0);Ntx4;5745	Pass	3.12	15.48	30.00	10.20	10.39	8.65	9.39
5.8G;VHT20,BF;Nss2,(M0);Ntx4;5785	Pass	3.12	15.58	30.00	10.25	10.31	8.51	9.71
5.8G;VHT20,BF;Nss2,(M0);Ntx4;5825	Pass	3.12	15.49	30.00	10.31	10.34	8.82	9.05
5.2G;VHT40,BF;Nss2,(M0);Ntx4;5190	Pass	3.96	8.27	17.00	3.44	2.49	2.26	1.87
5.2G;VHT40,BF;Nss2,(M0);Ntx4;5230	Pass	3.96	13.00	17.00	8.22	7.23	6.89	6.65
5.8G;VHT40,BF;Nss2,(M0);Ntx4;5755	Pass	3.12	11.98	30.00	7.00	6.98	5.27	5.76
5.8G;VHT40,BF;Nss2,(M0);Ntx4;5795	Pass	3.12	12.28	30.00	7.55	6.83	5.96	5.88
5.2G;VHT80,BF;Nss2,(M0);Ntx4;5210	Pass	3.96	5.42	17.00	0.93	-0.58	-0.71	-0.94
5.8G;VHT80,BF;Nss2,(M0);Ntx4;5775	Pass	3.12	10.34	30.00	5.25	4.80	3.62	3.78

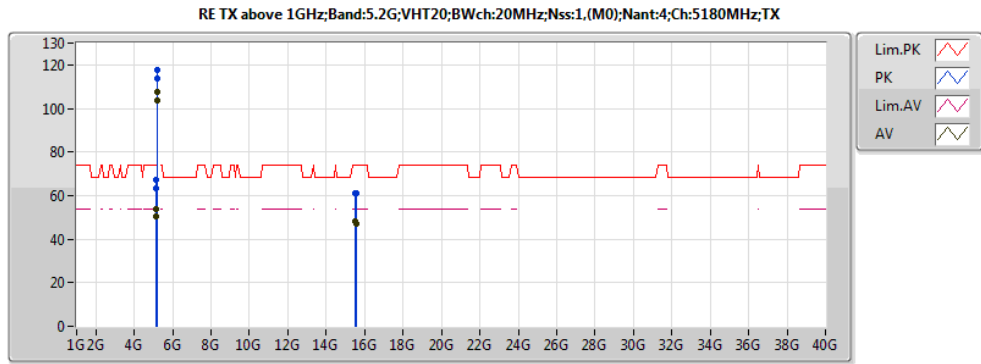






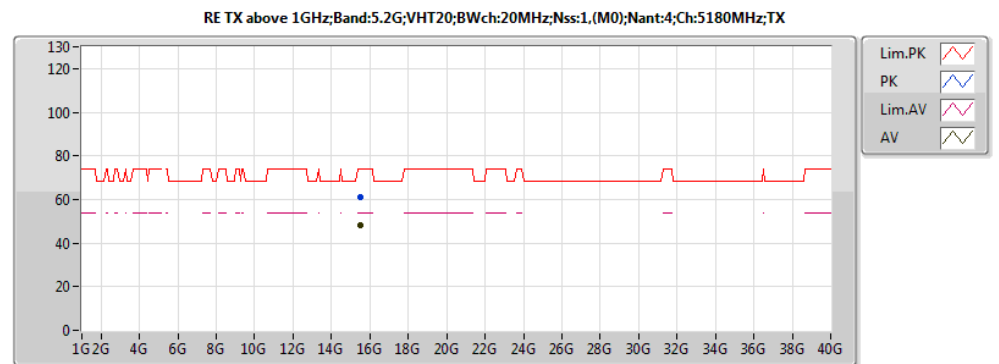
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
5.2G;VHT40;Nss1,(M0);Ntx4;5190;TX	Pass	AV	5.1496G	53.95	54.00	-0.05	7.89	3	V	71	1.50	-
5.8G;VHT80;Nss1,(M0);Ntx4;5775;TX	Pass	PK	5.652G	67.46	69.68	-2.22	8.88	3	V	334	1.81	-
5.2G;VHT40;Nss1,(M0);Ntx4;5190;TX	Pass	AV	5.1496G	53.95	54.00	-0.05	7.89	3	V	71	1.50	-
5.8G;VHT80;Nss1,(M0);Ntx4;5775;TX	Pass	PK	5.652G	67.46	69.68	-2.22	8.88	3	V	334	1.81	-
5.2G;VHT40;Nss1,(M0);Ntx4;5190;TX	Pass	AV	5.1496G	53.95	54.00	-0.05	7.89	3	V	71	1.50	-
5.8G;VHT80;Nss1,(M0);Ntx4;5775;TX	Pass	PK	5.652G	67.46	69.68	-2.22	8.88	3	V	334	1.81	-
5.2G;VHT40;Nss1,(M0);Ntx4;5190;TX	Pass	AV	5.1496G	53.95	54.00	-0.05	7.89	3	V	71	1.50	-
5.8G;VHT80;Nss1,(M0);Ntx4;5775;TX	Pass	PK	5.652G	67.46	69.68	-2.22	8.88	3	V	334	1.81	-
5.2G;VHT40;Nss1,(M0);Ntx4;5190;TX	Pass	AV	5.1496G	53.95	54.00	-0.05	7.89	3	V	71	1.50	-
5.8G;VHT80;Nss1,(M0);Ntx4;5775;TX	Pass	PK	5.652G	67.46	69.68	-2.22	8.88	3	V	334	1.81	-
5.2G;VHT40;Nss1,(M0);Ntx4;5190;TX	Pass	AV	5.1496G	53.95	54.00	-0.05	7.89	3	V	71	1.50	-
5.8G;VHT80;Nss1,(M0);Ntx4;5775;TX	Pass	PK	5.652G	67.46	69.68	-2.22	8.88	3	V	334	1.81	-



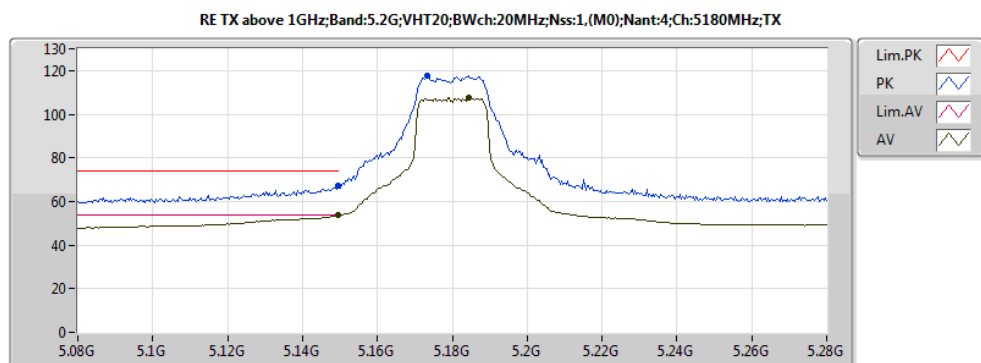
20161108
EUT Y_4T1S Non-TXBF
Setting 23
06-S-6

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	50.37	54.00	-3.63	7.89	3	H	211	1.25	-
AV	5.1792G	103.83	Inf	-Inf	7.92	3	H	218	1.66	-
PK	5.1492G	63.06	74.00	-10.94	7.89	3	H	211	1.25	-
PK	5.1824G	113.91	Inf	-Inf	7.92	3	H	218	1.66	-
AV	5.1496G	53.65	54.00	-0.35	7.89	3	V	255	1.24	-
AV	5.1844G	107.48	Inf	-Inf	7.93	3	V	69	1.43	-
PK	5.1496G	67.44	74.00	-6.56	7.89	3	V	255	1.24	-
PK	5.1732G	117.76	Inf	-Inf	7.92	3	V	69	1.43	-
AV	15.53872G	47.15	54.00	-6.85	19.43	3	H	37	1.77	-
PK	15.5401G	61.31	74.00	-12.69	19.43	3	H	37	1.77	-
AV	15.53208G	48.07	54.00	-5.93	19.45	3	V	198	2.32	-
PK	15.53472G	60.85	74.00	-13.15	19.45	3	V	198	2.32	-



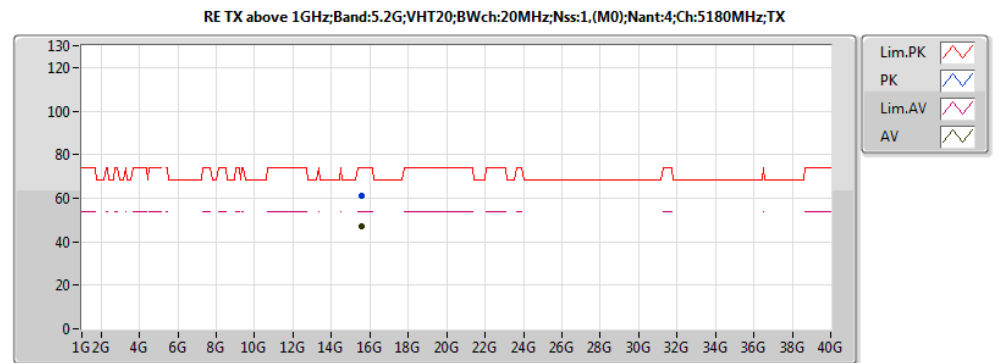
20161108
EUT Y_4T1S Non-TXBF
Setting 23
06-S-6

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(*)	Height(m)	Comments
AV	15.53208G	48.07	54.00	-5.93	19.45	3	V	198	2.32	-
PK	15.53472G	60.85	74.00	-13.15	19.45	3	V	198	2.32	-



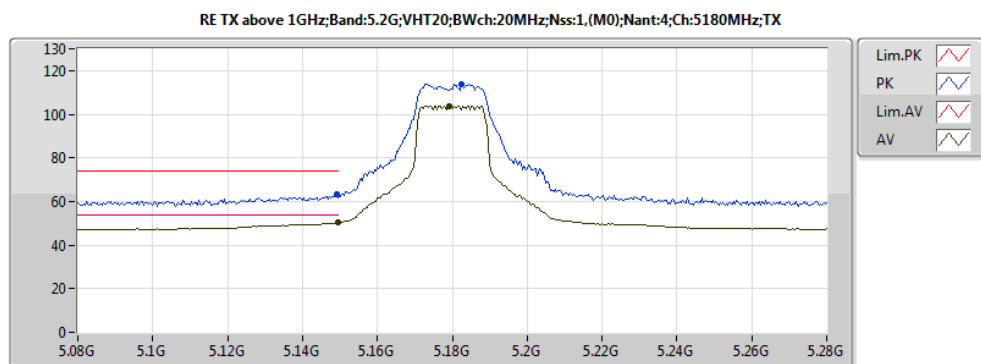
20161108
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Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(*)	Height(m)	Comments
AV	5.1496G	53.65	54.00	-0.35	7.89	3	V	255	1.24	-
AV	5.1844G	107.48	Inf	-Inf	7.93	3	V	69	1.43	-
PK	5.1496G	67.44	74.00	-6.56	7.89	3	V	255	1.24	-
PK	5.1732G	117.76	Inf	-Inf	7.92	3	V	69	1.43	-



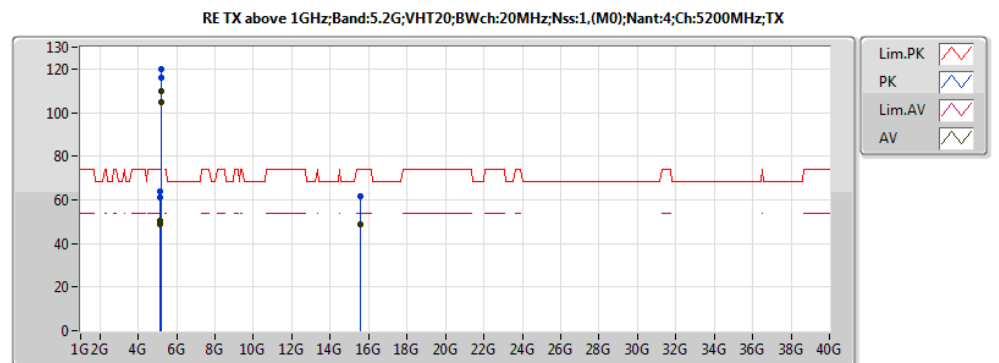
20161108
EUT Y_4T1S Non-TXBF
Setting 23
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Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(*)	Height(m)	Comments
AV	15.53872G	47.15	54.00	-6.85	19.43	3	H	37	1.77	-
PK	15.5401G	61.31	74.00	-12.69	19.43	3	H	37	1.77	-



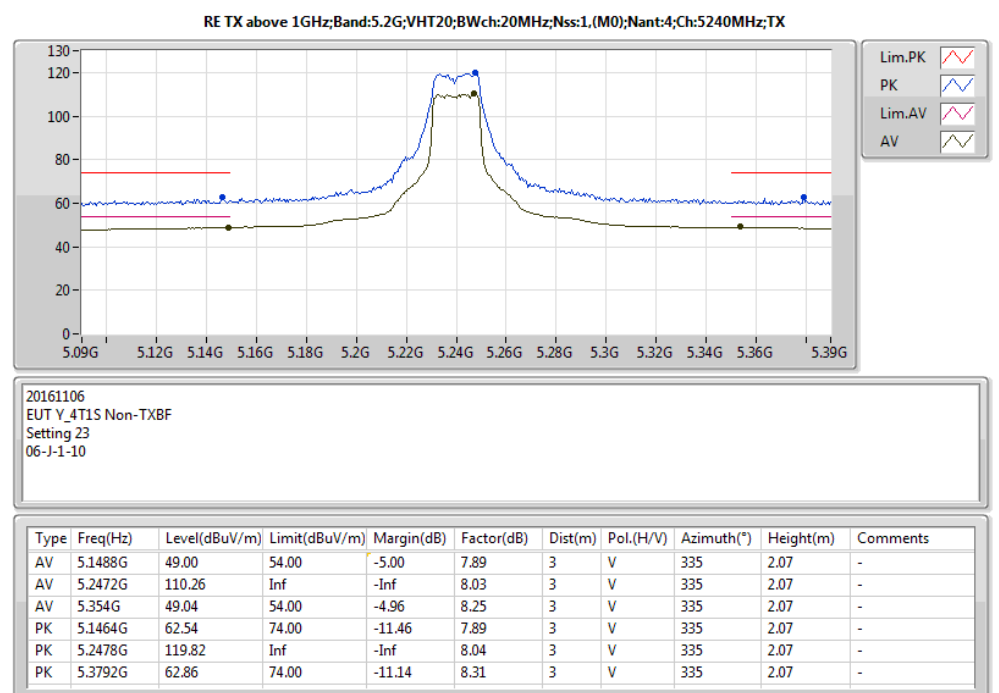
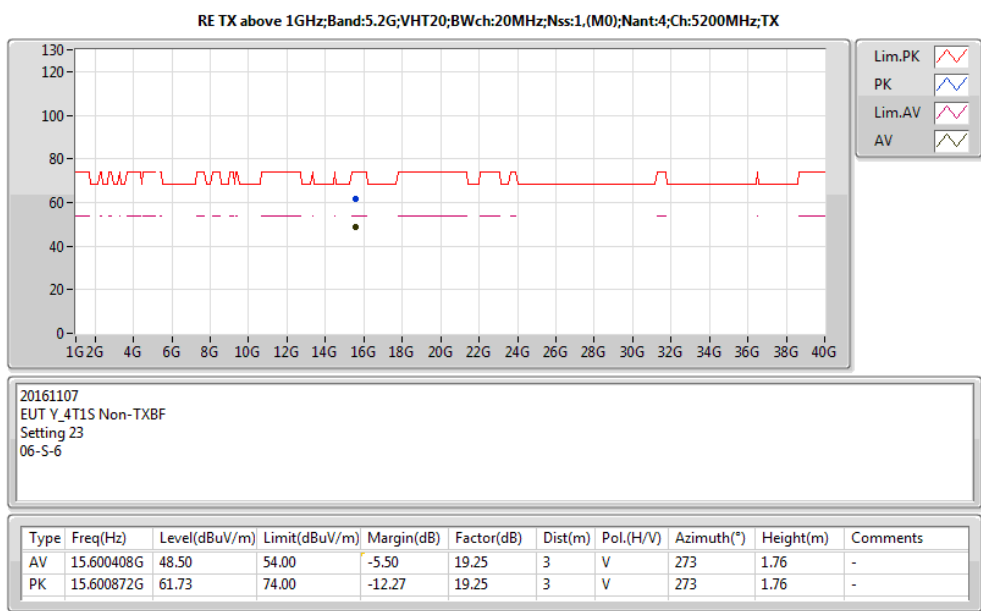
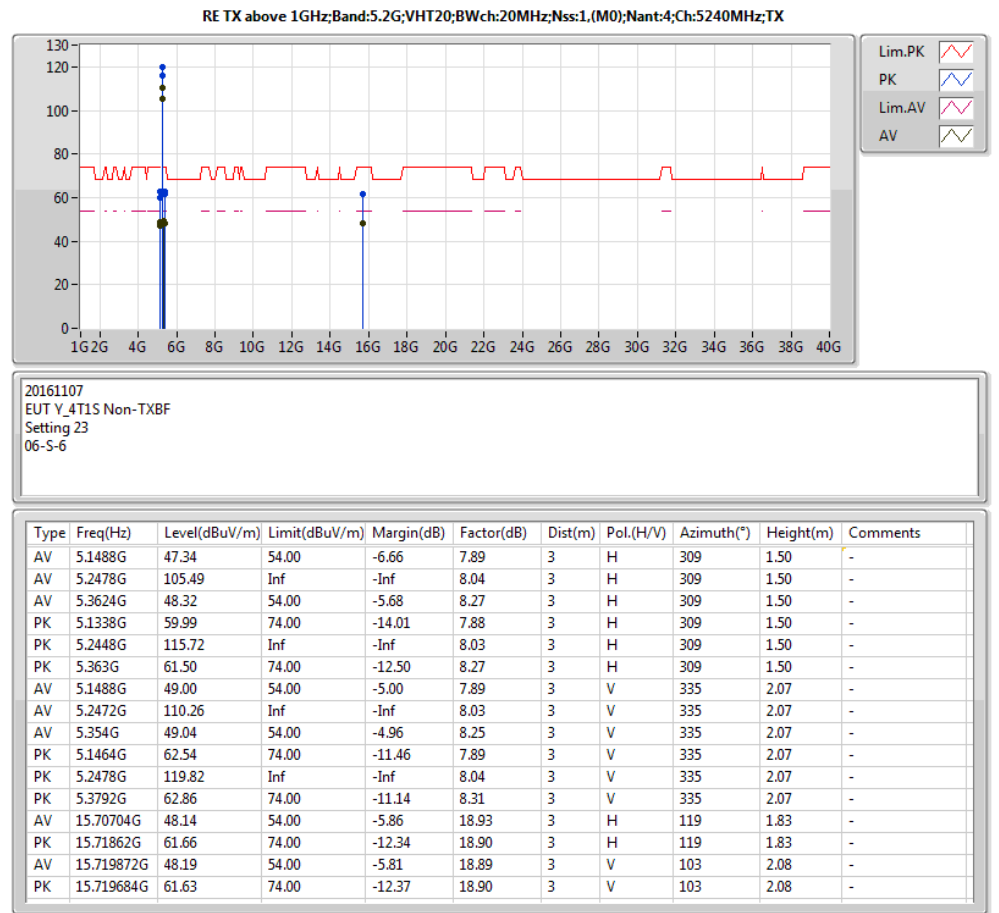
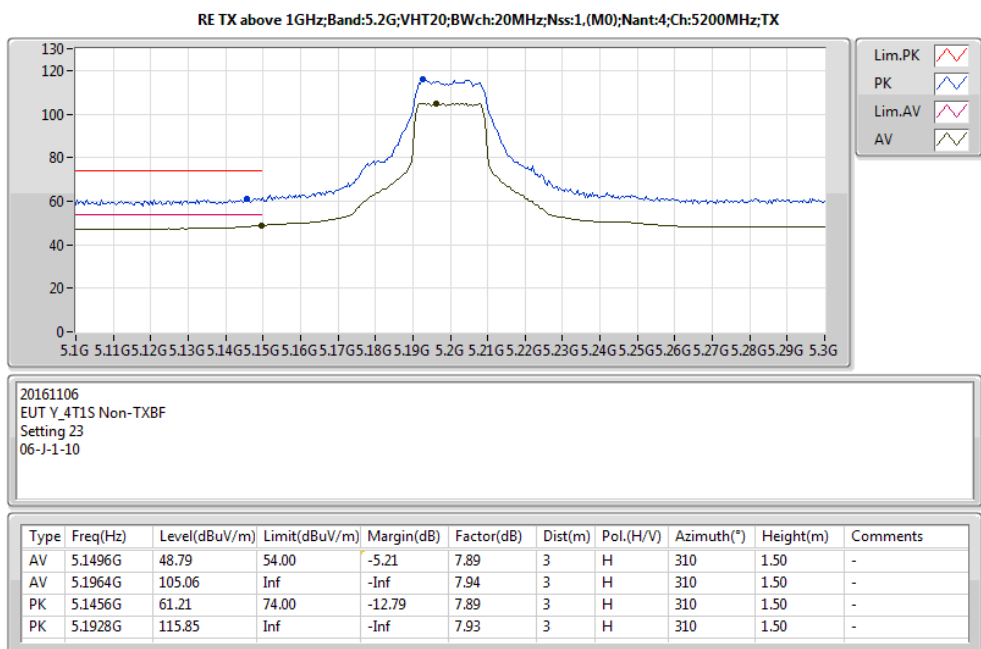
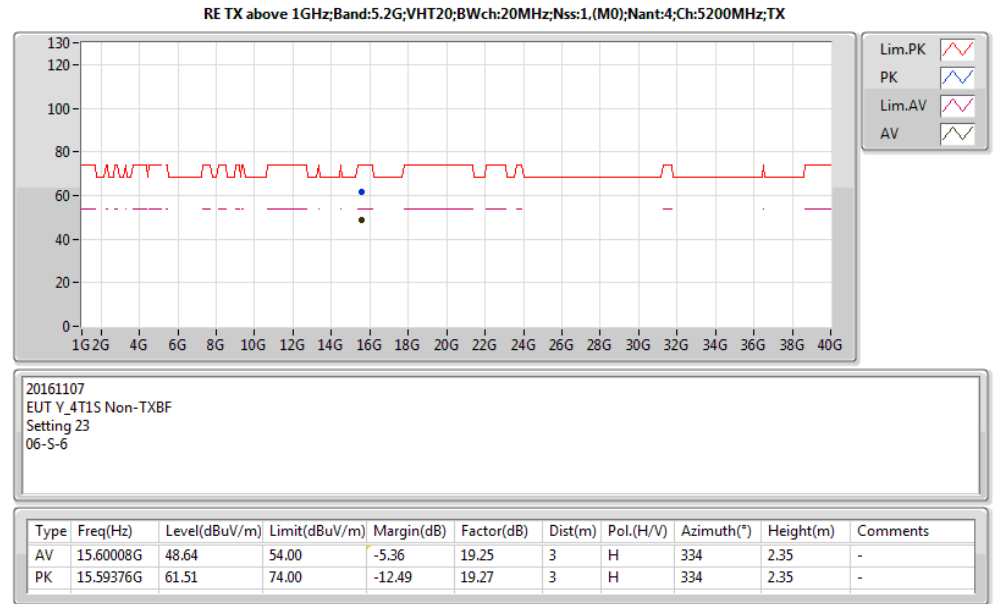
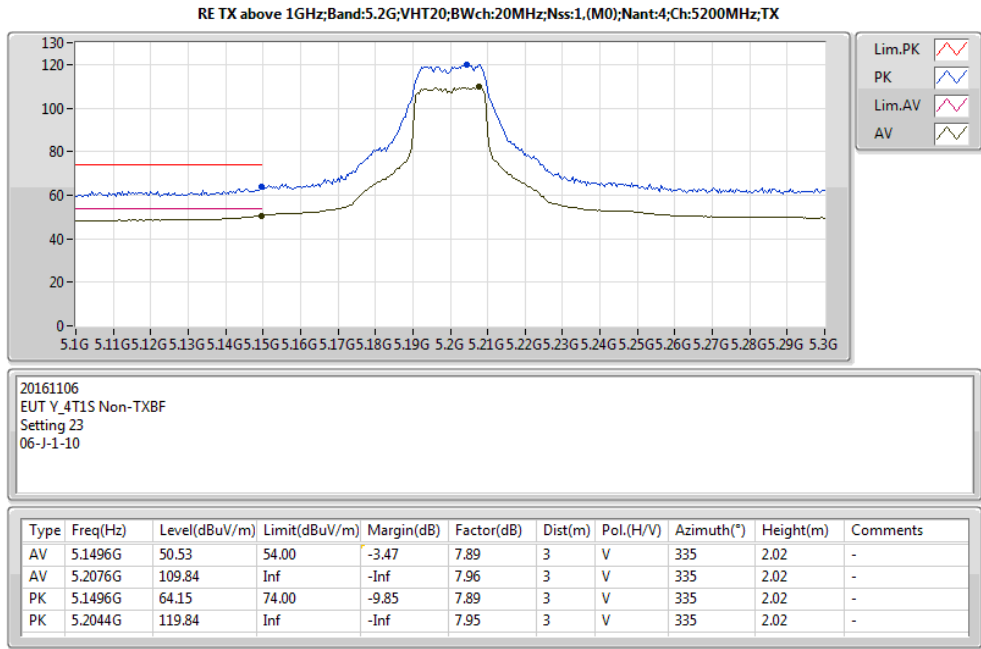
20161108
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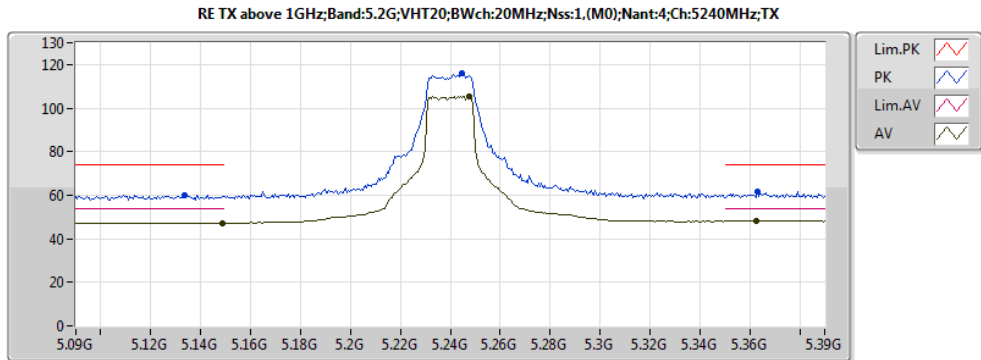
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(*)	Height(m)	Comments
AV	5.1496G	50.37	54.00	-3.63	7.89	3	H	211	1.25	-
AV	5.1792G	103.83	Inf	-Inf	7.92	3	H	218	1.66	-
PK	5.1492G	63.06	74.00	-10.94	7.89	3	H	211	1.25	-
PK	5.1824G	113.91	Inf	-Inf	7.92	3	H	218	1.66	-



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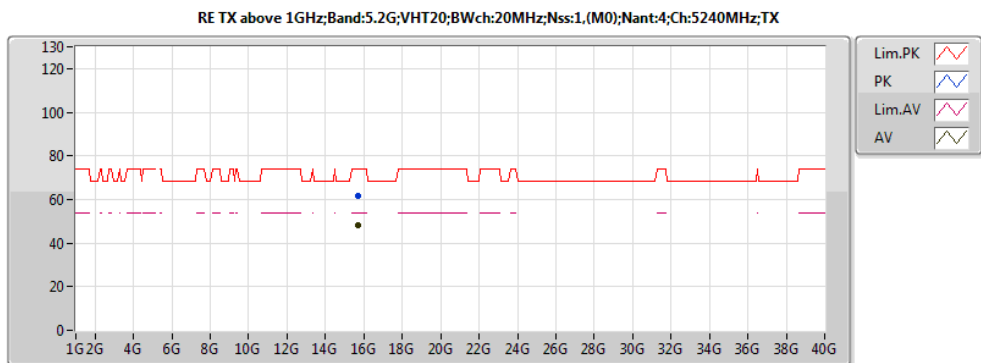
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(*)	Height(m)	Comments
AV	5.1496G	48.79	54.00	-5.21	7.89	3	H	310	1.50	-
AV	5.1964G	105.06	Inf	-Inf	7.94	3	H	310	1.50	-
PK	5.1456G	61.21	74.00	-12.79	7.89	3	H	310	1.50	-
PK	5.1928G	115.85	Inf	-Inf	7.93	3	H	310	1.50	-
AV	5.1496G	50.53	54.00	-3.47	7.89	3	V	335	2.02	-
AV	5.2076G	109.84	Inf	-Inf	7.96	3	V	335	2.02	-
PK	5.1496G	64.15	74.00	-9.85	7.89	3	V	335	2.02	-
PK	5.2044G	119.84	Inf	-Inf	7.95	3	V	335	2.02	-
AV	15.60008G	48.64	54.00	-5.36	19.25	3	H	334	2.35	-
PK	15.59376G	61.51	74.00	-12.49	19.27	3	H	334	2.35	-
AV	15.600408G	48.50	54.00	-5.50	19.25	3	V	273	1.76	-
PK	15.600872G	61.73	74.00	-12.27	19.25	3	V	273	1.76	-





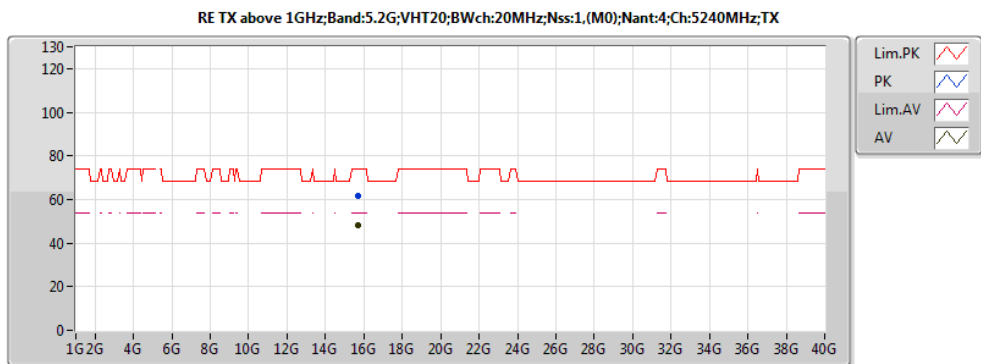
20161106
EUT_Y_4T1S Non-TXBF
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Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1488G	47.34	54.00	-6.66	7.89	3	H	309	1.50	-
AV	5.2478G	105.49	Inf	-Inf	8.04	3	H	309	1.50	-
AV	5.3624G	48.32	54.00	-5.68	8.27	3	H	309	1.50	-
PK	5.1338G	59.99	74.00	-14.01	7.88	3	H	309	1.50	-
PK	5.2448G	115.72	Inf	-Inf	8.03	3	H	309	1.50	-
PK	5.363G	61.50	74.00	-12.50	8.27	3	H	309	1.50	-



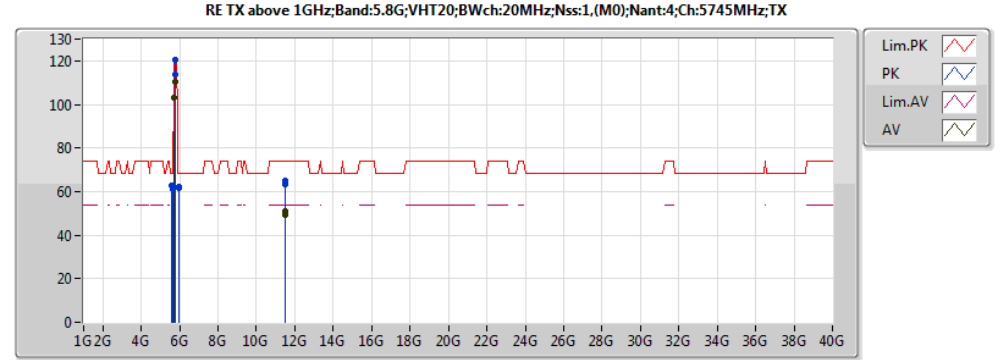
20161107
EUT_Y_4T1S Non-TXBF
Setting 23
06-S-6

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.719872G	48.19	54.00	-5.81	18.89	3	V	103	2.08	-
PK	15.719684G	61.63	74.00	-12.37	18.90	3	V	103	2.08	-



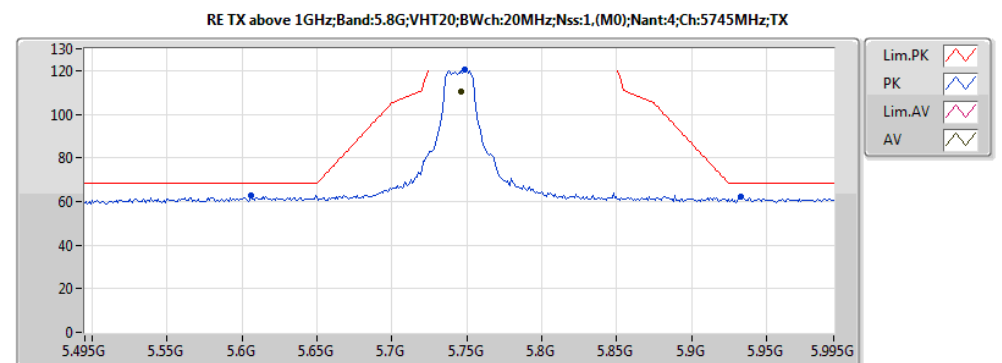
20161107
EUT_Y_4T1S Non-TXBF
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Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.70704G	48.14	54.00	-5.86	18.93	3	H	119	1.83	-
PK	15.71862G	61.66	74.00	-12.34	18.90	3	H	119	1.83	-



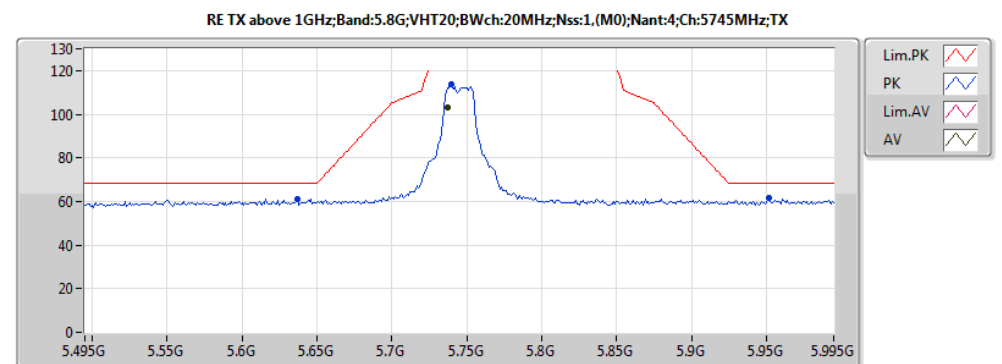
20161106
EUT_Y_4T1S Non-TXBF
Setting 23
06-J-1-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.737G	103.33	Inf	-Inf	8.91	3	H	213	1.50	-
PK	5.637G	61.26	68.20	-6.94	8.87	3	H	213	1.50	-
PK	5.74G	113.52	Inf	-Inf	8.91	3	H	213	1.50	-
PK	5.952G	61.36	68.20	-6.84	9.39	3	H	213	1.50	-
AV	5.746G	110.24	Inf	-Inf	8.91	3	V	326	1.50	-
PK	5.606G	62.68	68.20	-5.52	8.86	3	V	326	1.50	-
PK	5.749G	120.66	Inf	-Inf	8.91	3	V	326	1.50	-
PK	5.933G	61.96	68.20	-6.24	9.33	3	V	326	1.50	-
AV	11.49G	49.21	54.00	-4.79	17.78	3	H	58	1.50	-
PK	11.4903G	63.30	74.00	-10.70	17.78	3	H	58	1.50	-
AV	11.4897G	50.77	54.00	-3.23	17.78	3	V	75	1.92	-
PK	11.4923G	64.84	74.00	-9.16	17.78	3	V	75	1.92	-



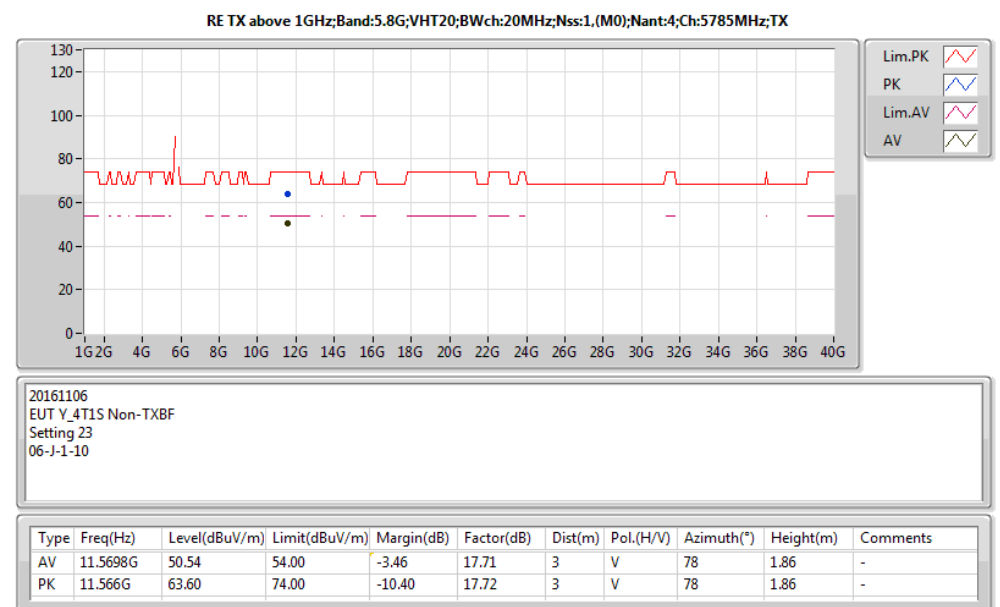
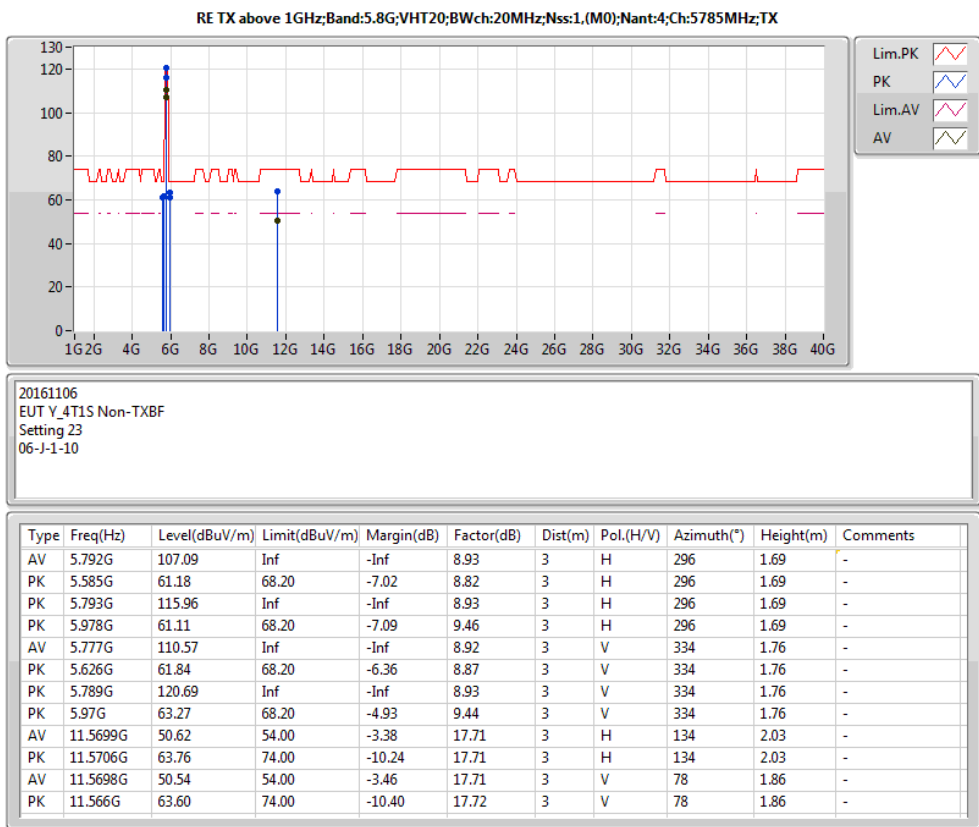
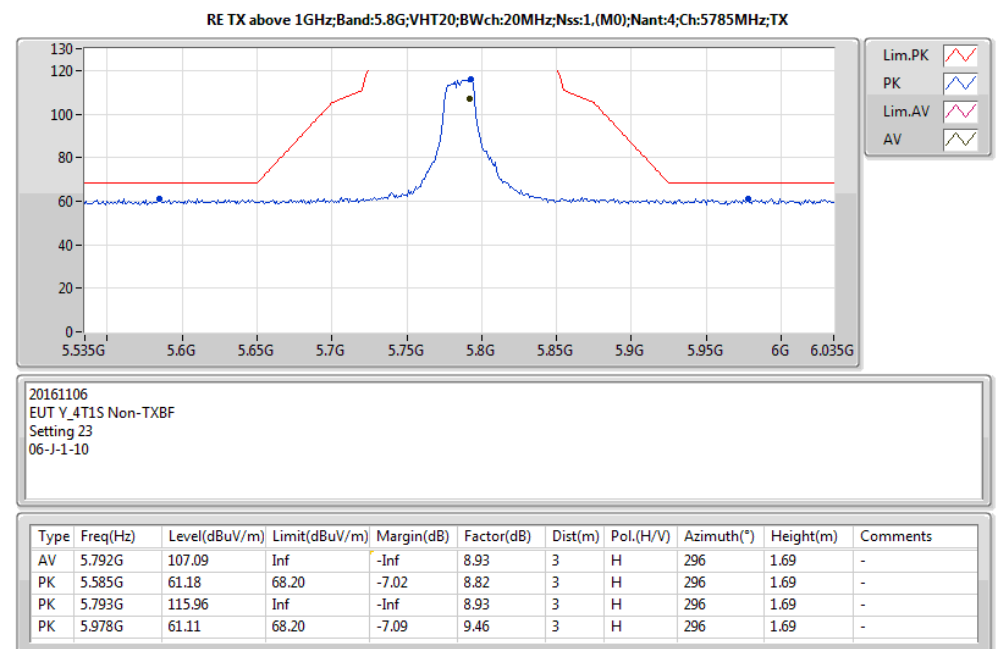
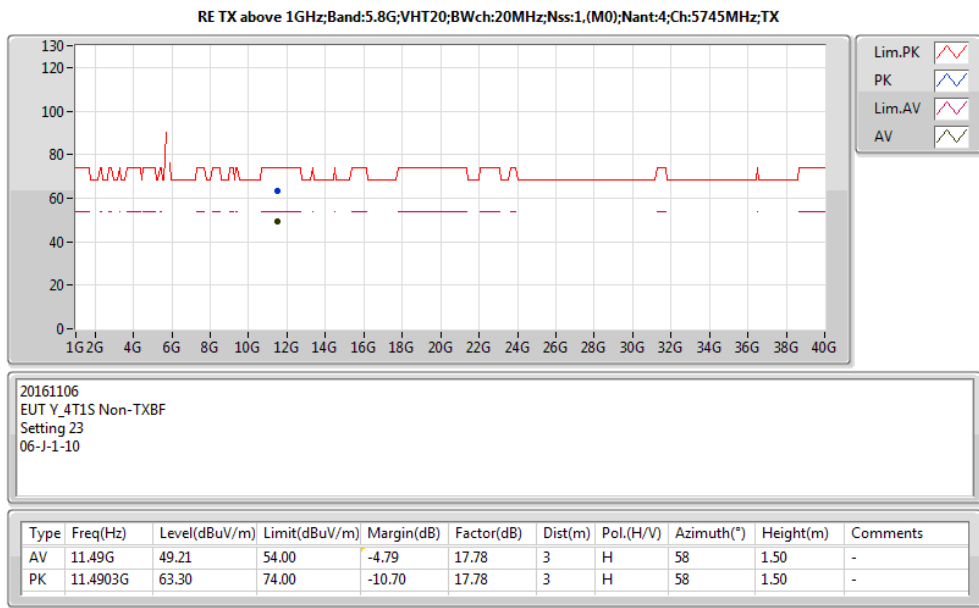
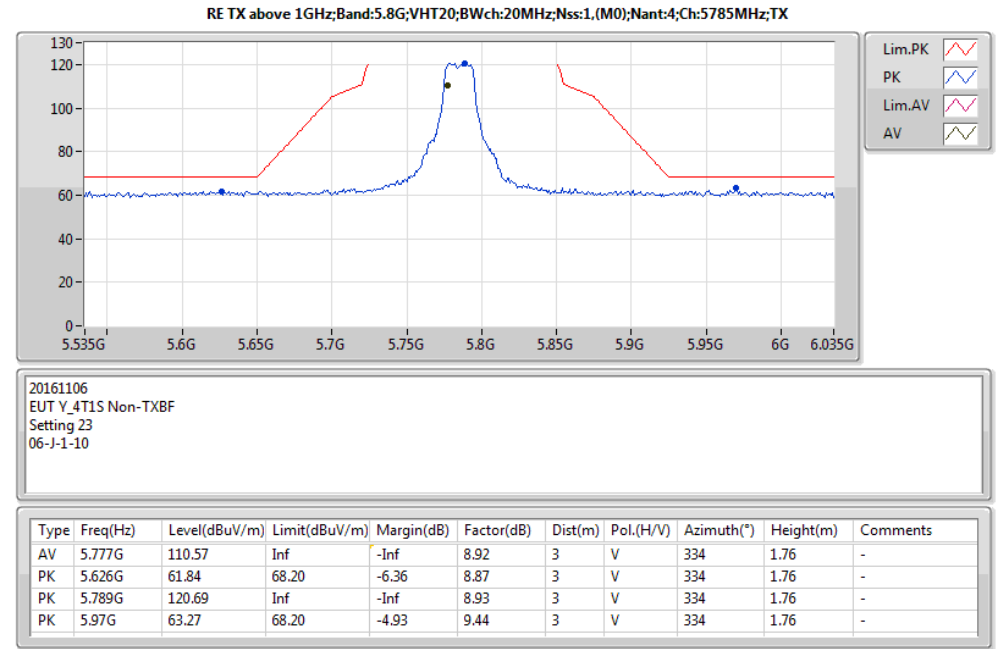
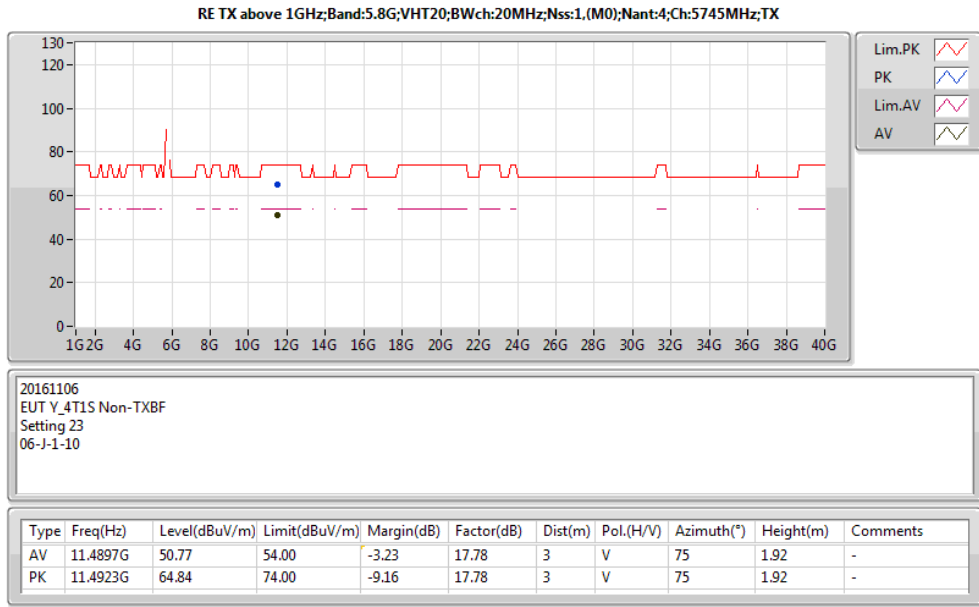
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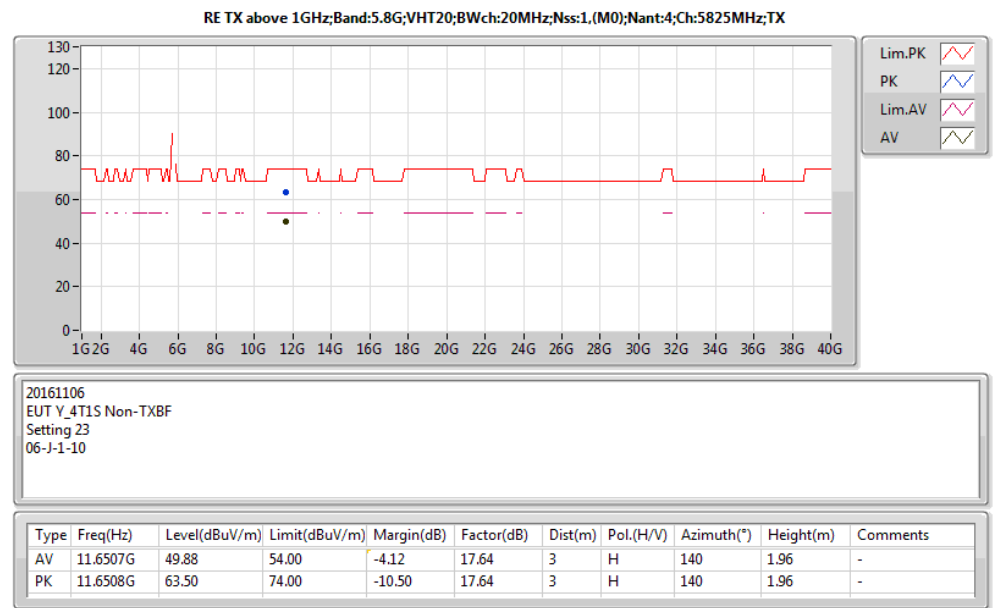
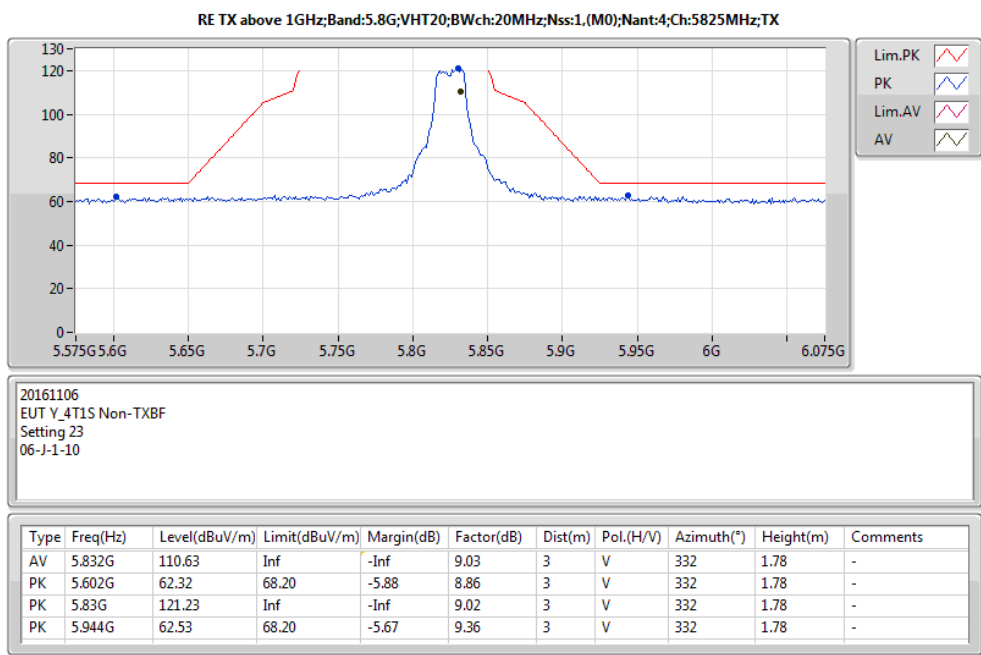
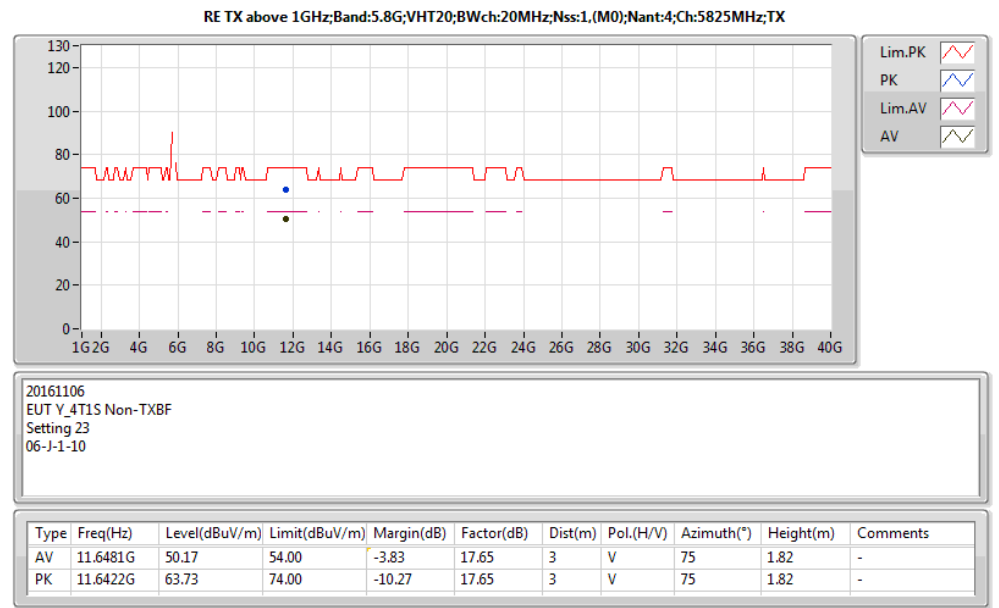
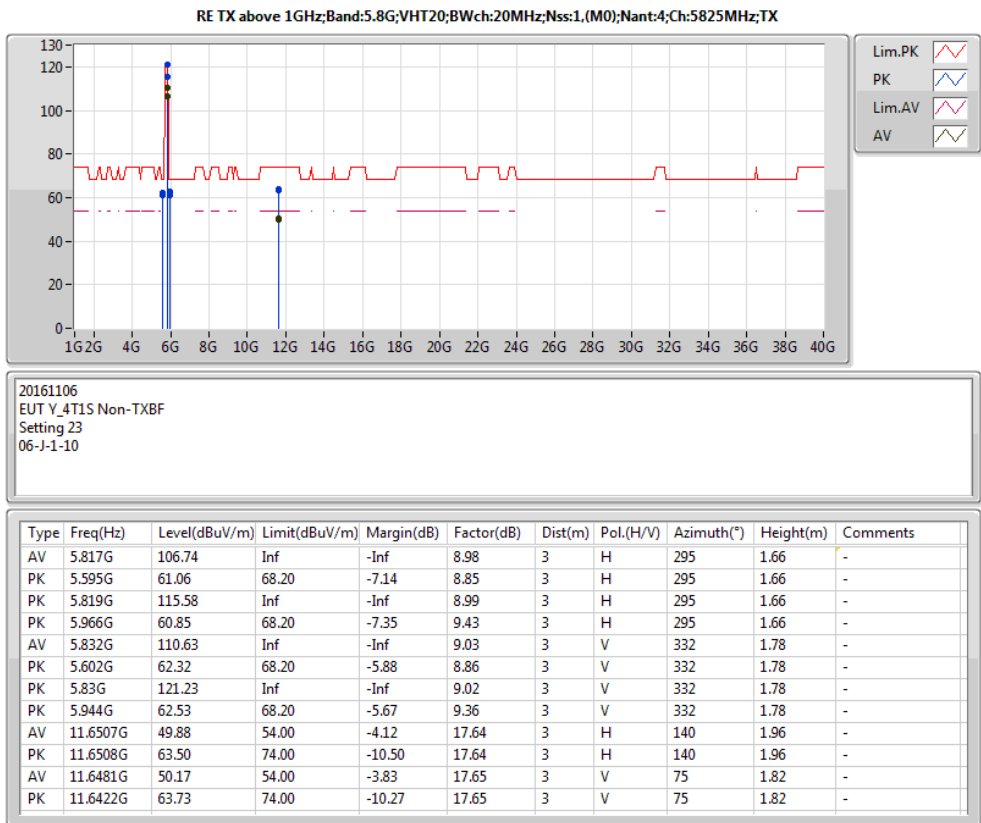
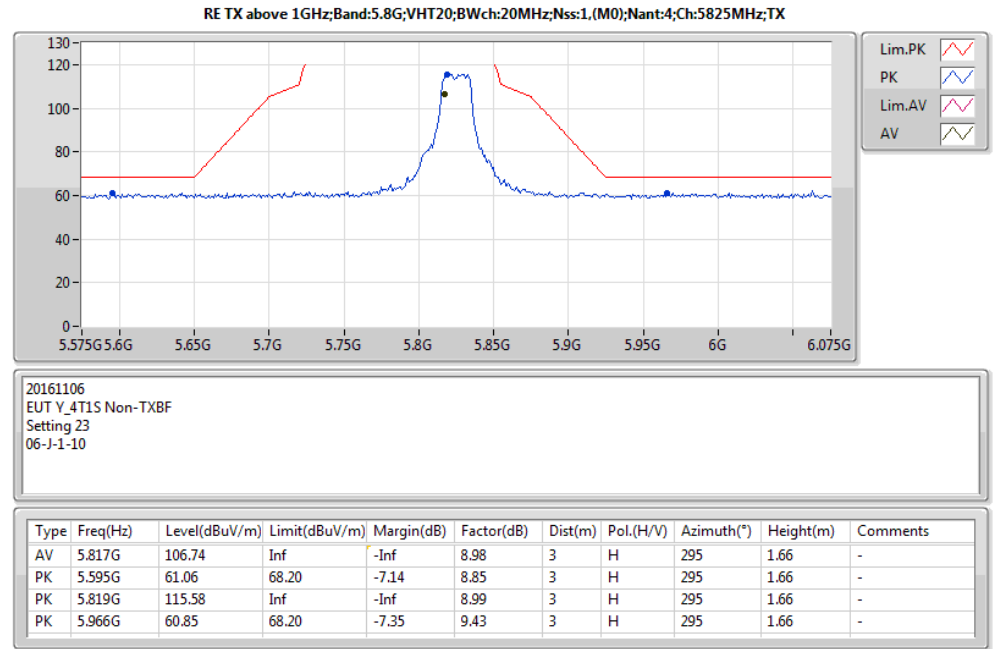
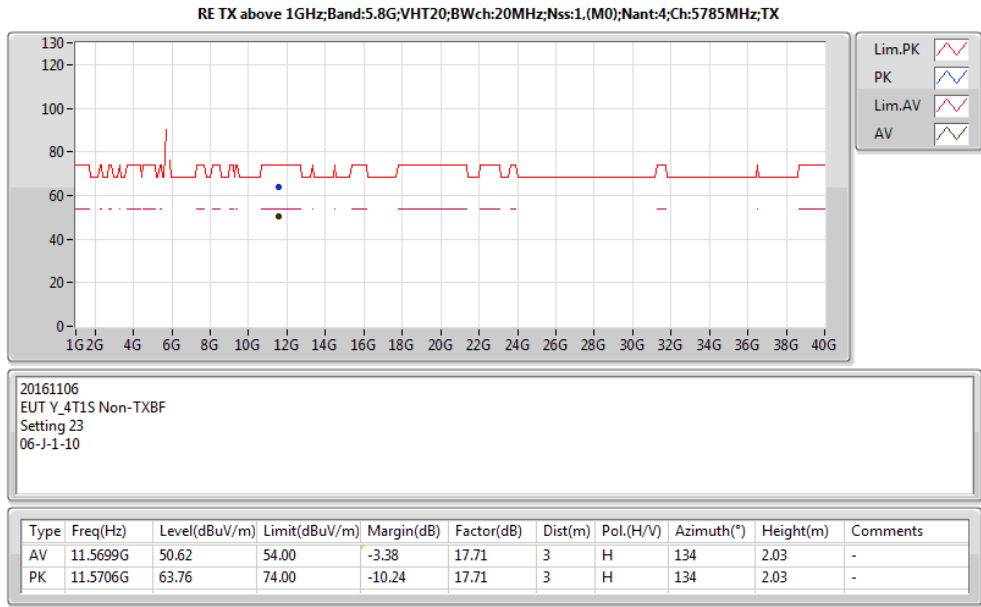
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.746G	110.24	Inf	-Inf	8.91	3	V	326	1.50	-
PK	5.606G	62.68	68.20	-5.52	8.86	3	V	326	1.50	-
PK	5.749G	120.66	Inf	-Inf	8.91	3	V	326	1.50	-
PK	5.933G	61.96	68.20	-6.24	9.33	3	V	326	1.50	-

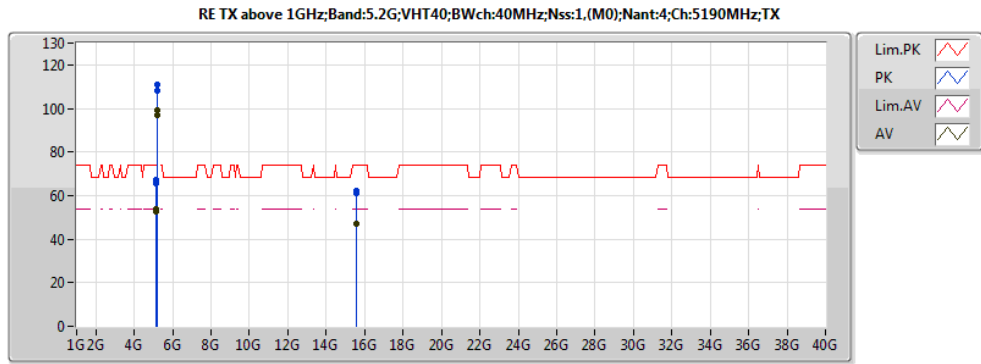


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Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.737G	103.33	Inf	-Inf	8.91	3	H	213	1.50	-
PK	5.637G	61.26	68.20	-6.94	8.87	3	H	213	1.50	-
PK	5.74G	113.52	Inf	-Inf	8.91	3	H	213	1.50	-
PK	5.952G	61.36	68.20	-6.84	9.39	3	H	213	1.50	-

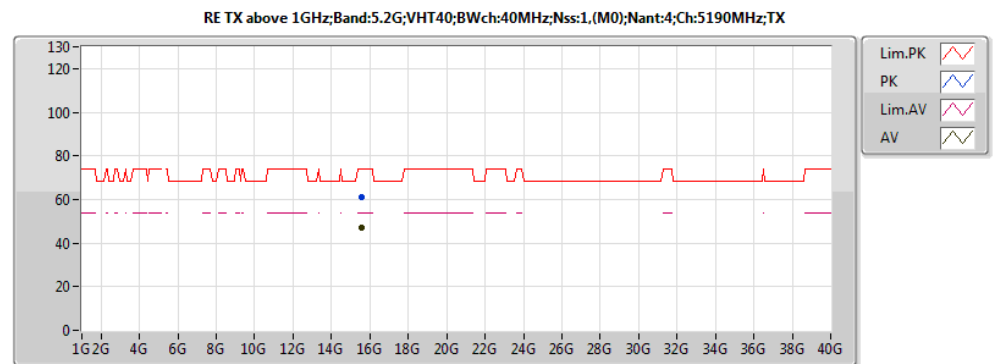






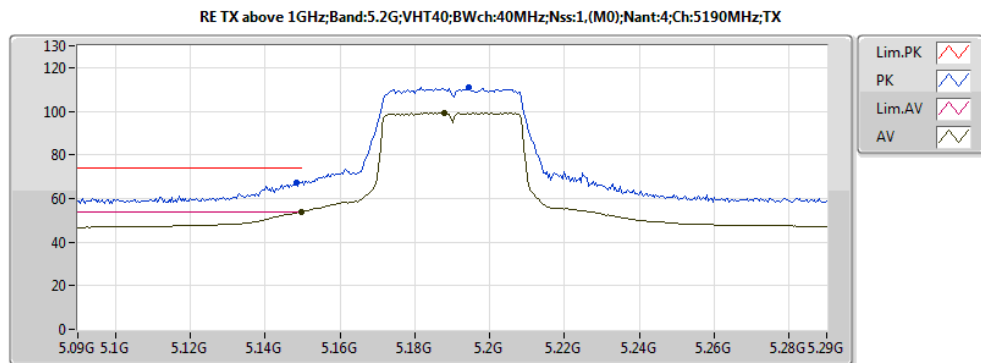
20161108
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Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(*)	Height(m)	Comments
AV	5.1492G	52.57	54.00	-1.43	7.89	3	H	313	1.79	-
AV	5.1744G	97.04	Inf	-Inf	7.92	3	H	313	1.79	-
PK	5.148G	65.73	74.00	-8.27	7.89	3	H	313	1.79	-
PK	5.1736G	108.17	Inf	-Inf	7.92	3	H	313	1.79	-
AV	5.1496G	53.95	54.00	-0.05	7.89	3	V	71	1.50	-
AV	5.188G	99.41	Inf	-Inf	7.93	3	V	71	1.50	-
PK	5.1484G	67.19	74.00	-6.81	7.89	3	V	71	1.50	-
PK	5.1944G	111.21	Inf	-Inf	7.93	3	V	71	1.50	-
AV	15.56136G	46.88	54.00	-7.12	19.37	3	H	320	1.18	-
PK	15.57888G	62.00	74.00	-12.00	19.31	3	H	320	1.18	-
AV	15.55812G	47.07	54.00	-6.93	19.38	3	V	45	2.00	-
PK	15.56916G	60.84	74.00	-13.16	19.34	3	V	45	2.00	-



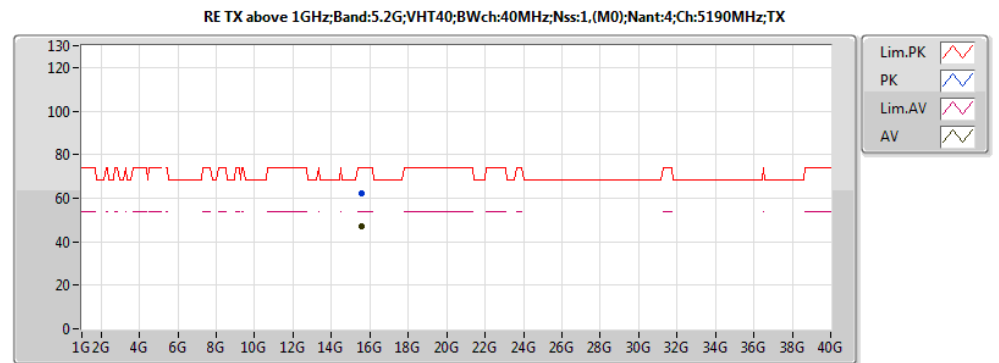
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EUT Y_4T1S Non-TXBF
Setting 19
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Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(*)	Height(m)	Comments
AV	15.55812G	47.07	54.00	-6.93	19.38	3	V	45	2.00	-
PK	15.56916G	60.84	74.00	-13.16	19.34	3	V	45	2.00	-



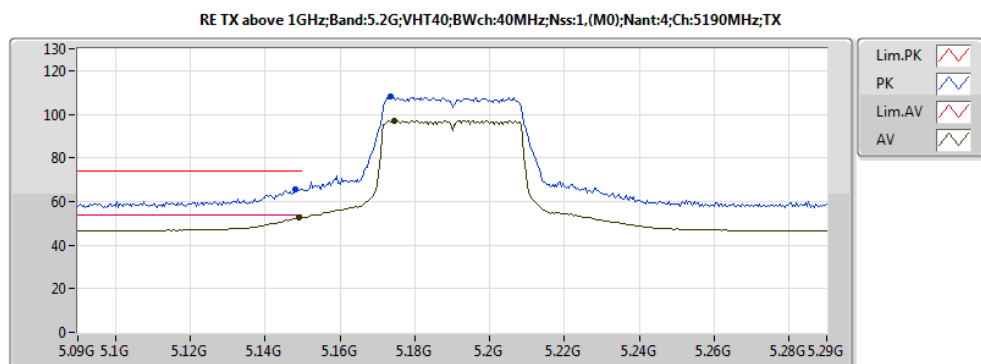
20161107
EUT Y_4T1S Non-TXBF
Setting 19
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Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(*)	Height(m)	Comments
AV	5.1496G	53.95	54.00	-0.05	7.89	3	V	71	1.50	-
AV	5.188G	99.41	Inf	-Inf	7.93	3	V	71	1.50	-
PK	5.1484G	67.19	74.00	-6.81	7.89	3	V	71	1.50	-
PK	5.1944G	111.21	Inf	-Inf	7.93	3	V	71	1.50	-



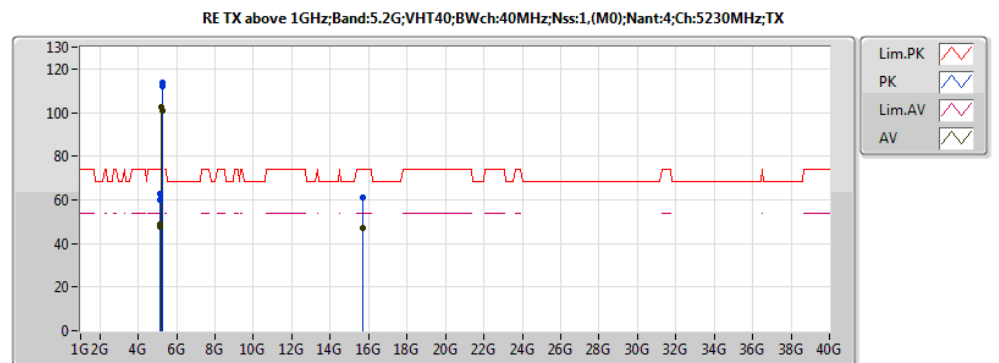
20161108
EUT Y_4T1S Non-TXBF
Setting 19
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Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(*)	Height(m)	Comments
AV	15.56136G	46.88	54.00	-7.12	19.37	3	H	320	1.18	-
PK	15.57888G	62.00	74.00	-12.00	19.31	3	H	320	1.18	-



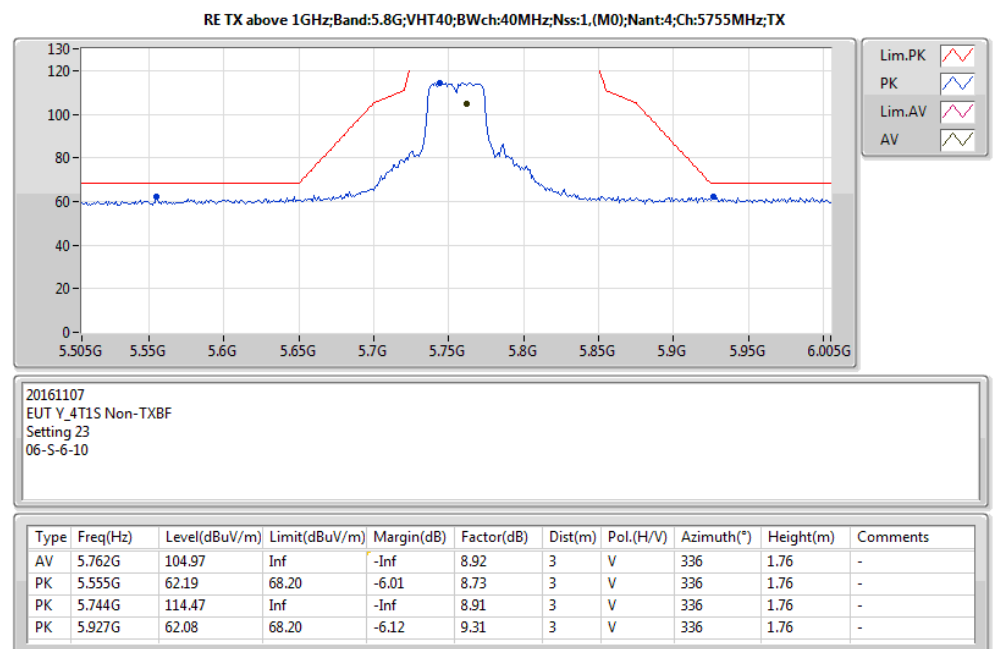
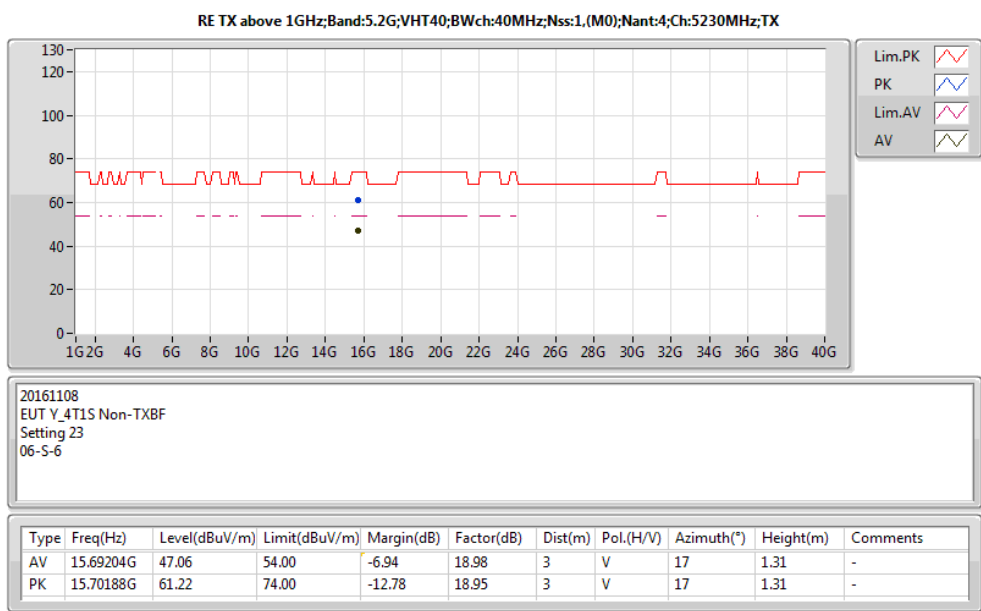
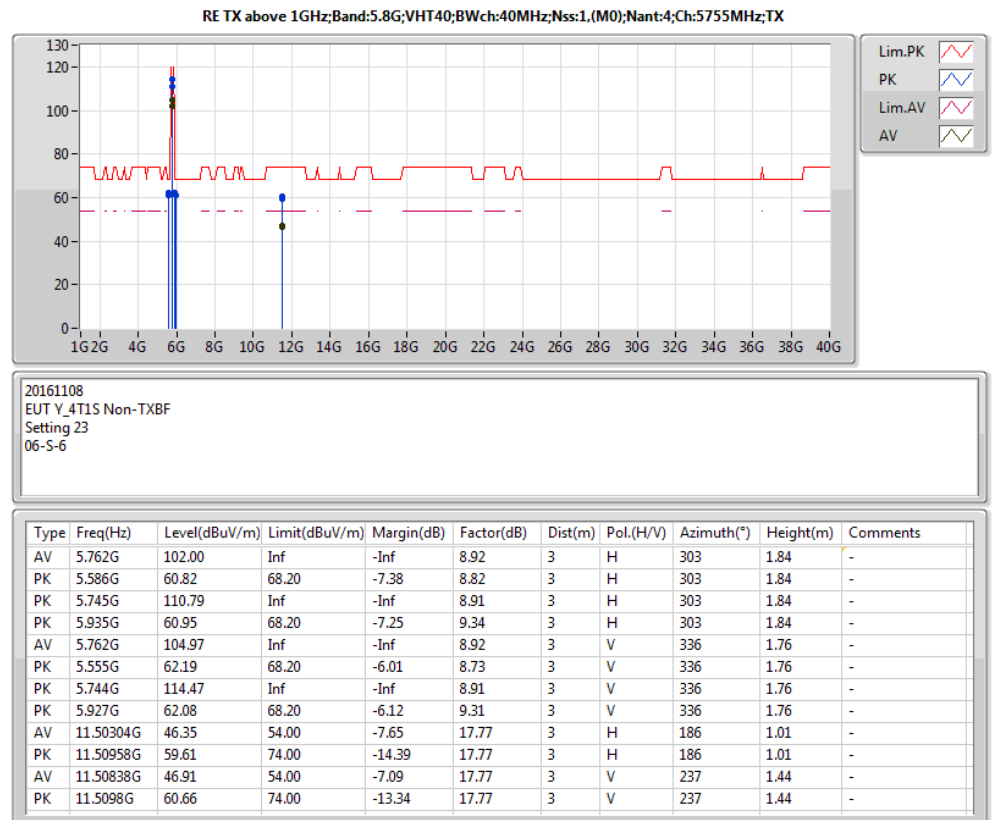
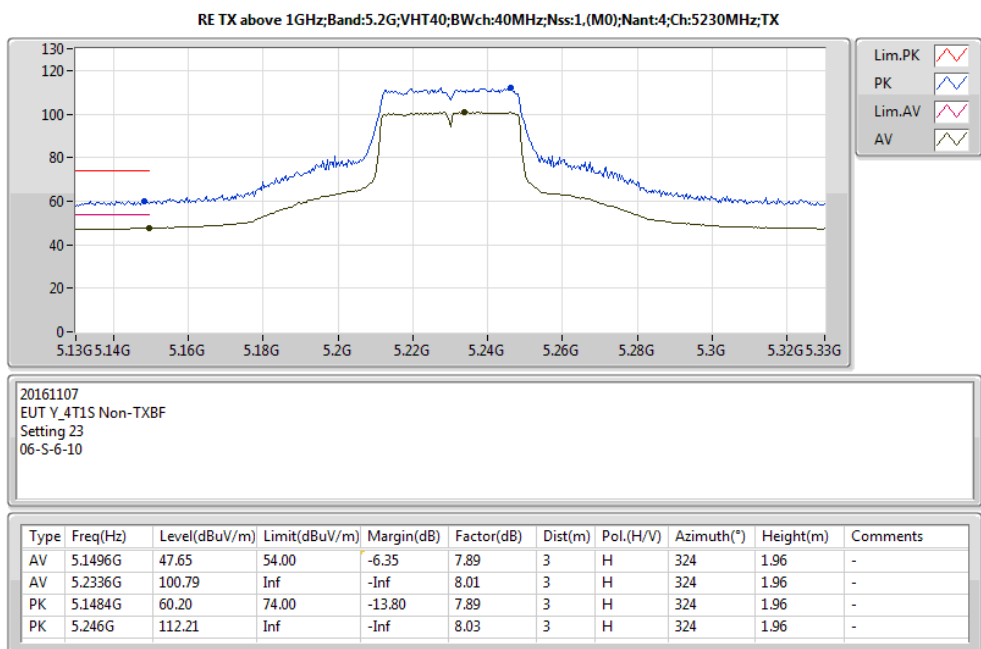
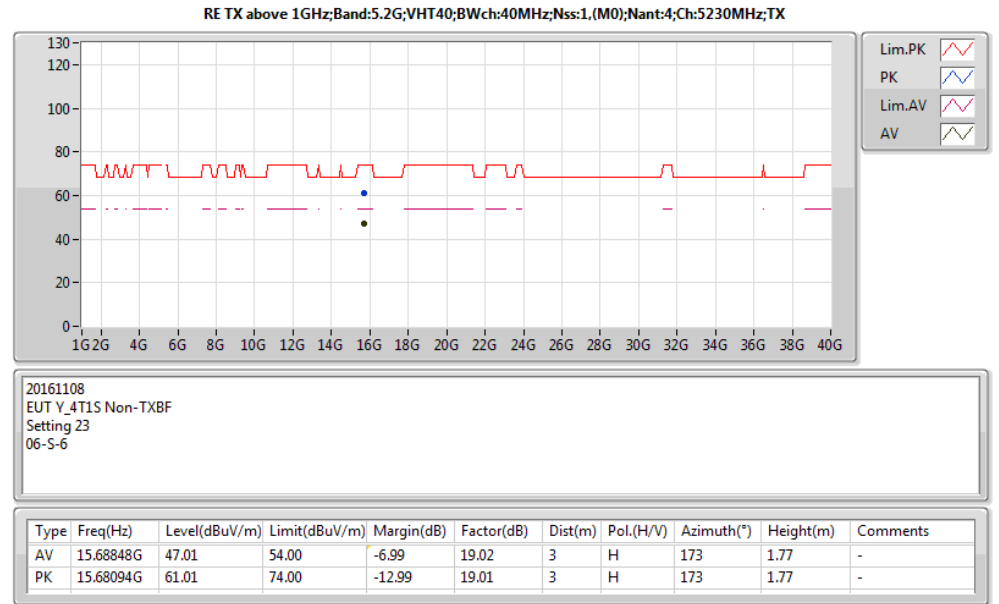
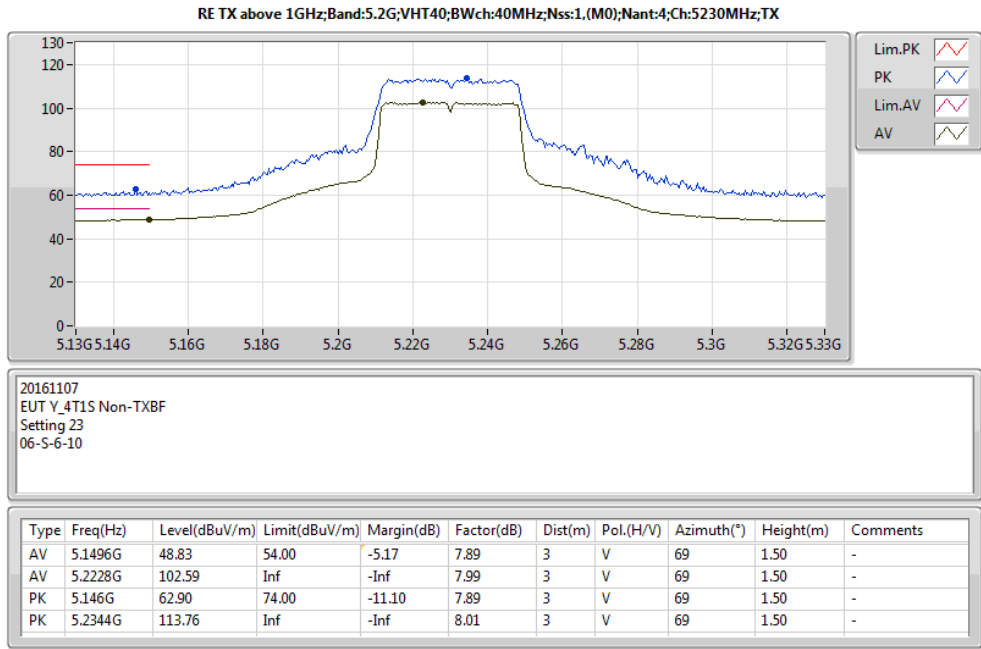
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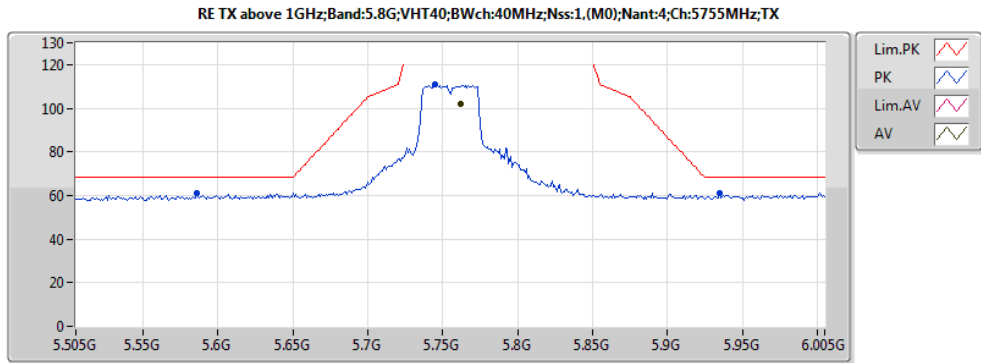
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(*)	Height(m)	Comments
AV	5.1492G	52.57	54.00	-1.43	7.89	3	H	313	1.79	-
AV	5.1744G	97.04	Inf	-Inf	7.92	3	H	313	1.79	-
PK	5.148G	65.73	74.00	-8.27	7.89	3	H	313	1.79	-
PK	5.1736G	108.17	Inf	-Inf	7.92	3	H	313	1.79	-



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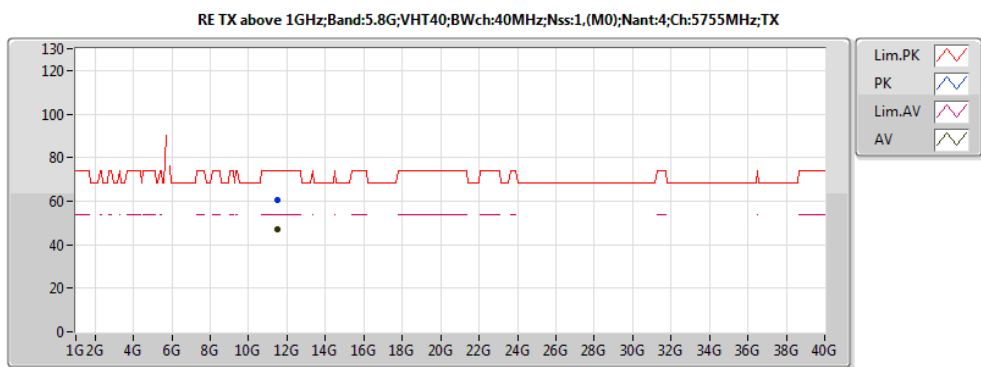
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(*)	Height(m)	Comments
AV	5.1496G	47.65	54.00	-6.35	7.89	3	H	324	1.96	-
AV	5.2336G	100.79	Inf	-Inf	8.01	3	H	324	1.96	-
PK	5.1484G	60.20	74.00	-13.80	7.89	3	H	324	1.96	-
PK	5.246G	112.21	Inf	-Inf	8.03	3	H	324	1.96	-
AV	5.1496G	48.83	54.00	-5.17	7.89	3	V	69	1.50	-
AV	5.2228G	102.59	Inf	-Inf	7.99	3	V	69	1.50	-
PK	5.146G	62.90	74.00	-11.10	7.89	3	V	69	1.50	-
PK	5.2344G	113.76	Inf	-Inf	8.01	3	V	69	1.50	-
AV	15.68848G	47.01	54.00	-6.99	19.02	3	H	173	1.77	-
PK	15.68094G	61.01	74.00	-12.99	19.01	3	H	173	1.77	-
AV	15.69204G	47.06	54.00	-6.94	18.98	3	V	17	1.31	-
PK	15.70188G	61.22	74.00	-12.78	18.95	3	V	17	1.31	-





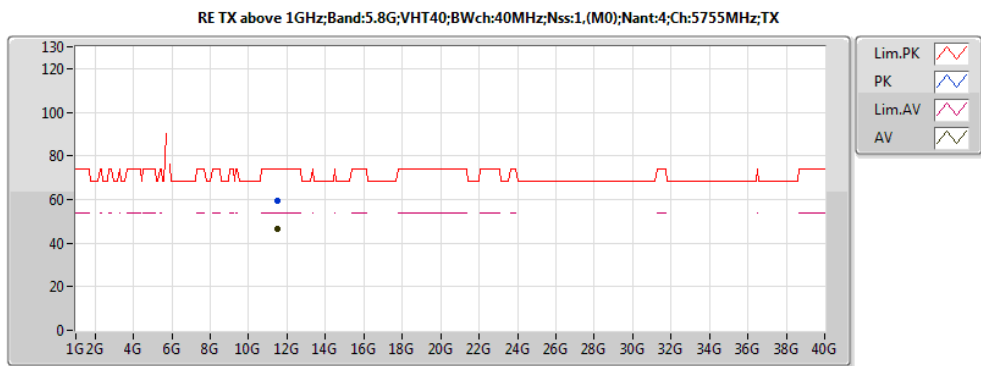
20161106
EUT_Y_4T1S Non-TXBF
Setting 23
06-J-1-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.762G	102.00	Inf	-Inf	8.92	3	H	303	1.84	-
PK	5.586G	60.82	68.20	-7.38	8.82	3	H	303	1.84	-
PK	5.745G	110.79	Inf	-Inf	8.91	3	H	303	1.84	-
PK	5.935G	60.95	68.20	-7.25	9.34	3	H	303	1.84	-



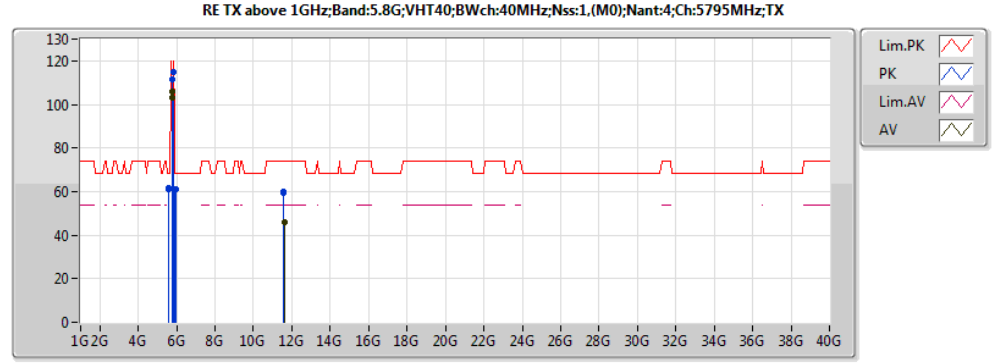
20161108
EUT_Y_4T1S Non-TXBF
Setting 23
06-S-6

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.50838G	46.91	54.00	-7.09	17.77	3	V	237	1.44	-
PK	11.5098G	60.66	74.00	-13.34	17.77	3	V	237	1.44	-



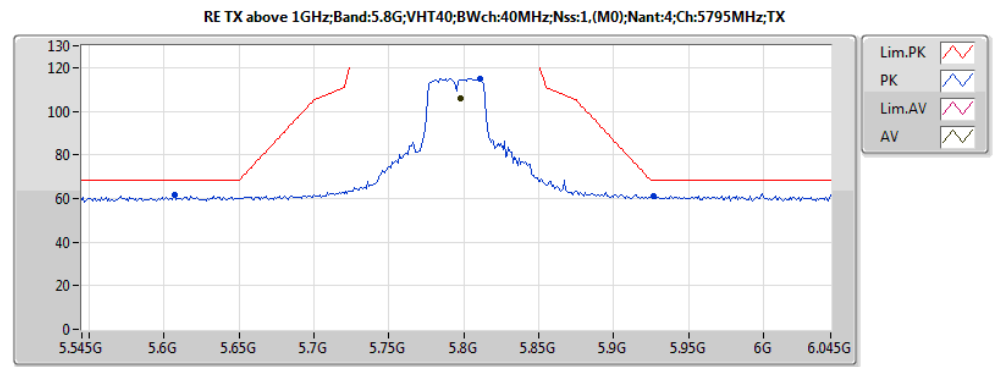
20161108
EUT_Y_4T1S Non-TXBF
Setting 23
06-S-6

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.50304G	46.35	54.00	-7.65	17.77	3	H	186	1.01	-
PK	11.50958G	59.61	74.00	-14.39	17.77	3	H	186	1.01	-



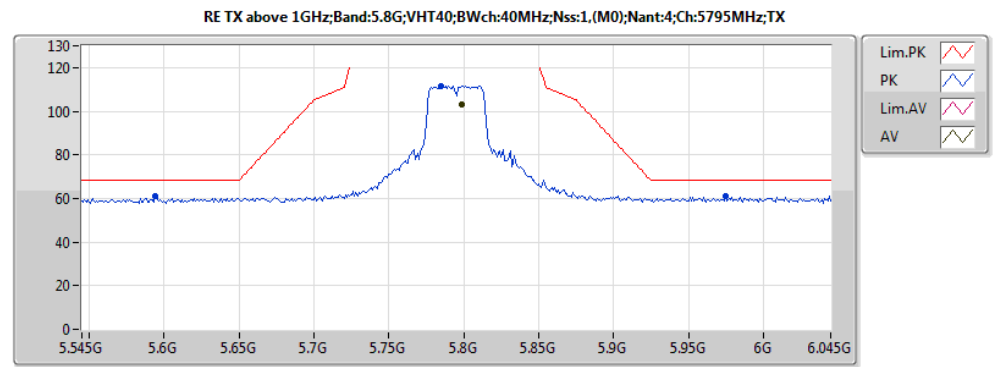
20161107
EUT_Y_4T1S Non-TXBF
Setting 23
06-S-6-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.799G	102.87	Inf	-Inf	8.93	3	H	298	1.72	-
PK	5.594G	60.88	68.20	-7.32	8.84	3	H	298	1.72	-
PK	5.785G	111.75	Inf	-Inf	8.93	3	H	298	1.72	-
PK	5.975G	61.04	68.20	-7.16	9.46	3	H	298	1.72	-
AV	5.798G	106.01	Inf	-Inf	8.93	3	V	337	1.83	-
PK	5.607G	61.56	68.20	-6.64	8.86	3	V	337	1.83	-
PK	5.811G	115.01	Inf	-Inf	8.96	3	V	337	1.83	-
PK	5.927G	61.33	68.20	-6.87	9.31	3	V	337	1.83	-
AV	11.5936G	46.13	54.00	-7.87	17.69	3	H	65	1.18	-
PK	11.58982G	59.67	74.00	-14.33	17.70	3	H	65	1.18	-
AV	11.59462G	46.06	54.00	-7.94	17.69	3	V	206	1.61	-
PK	11.58532G	59.93	74.00	-14.07	17.70	3	V	206	1.61	-



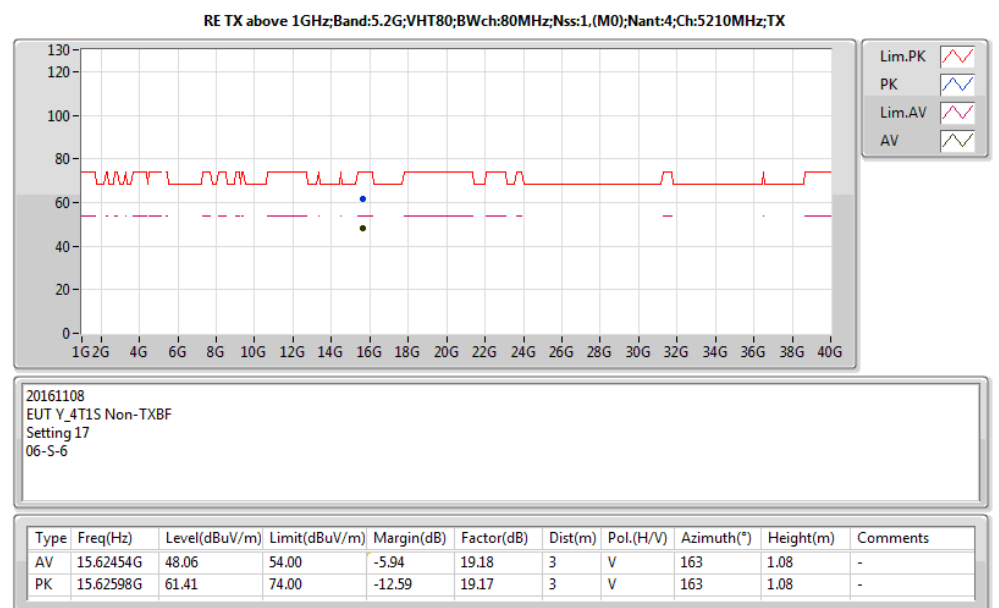
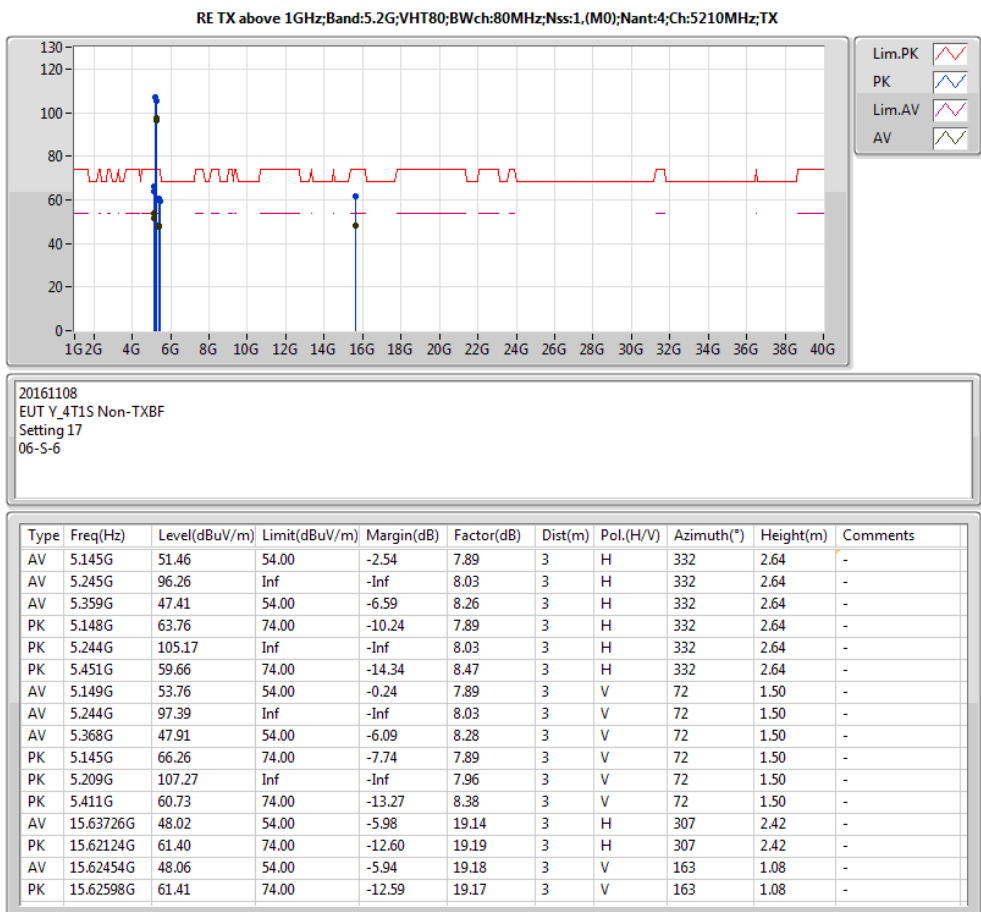
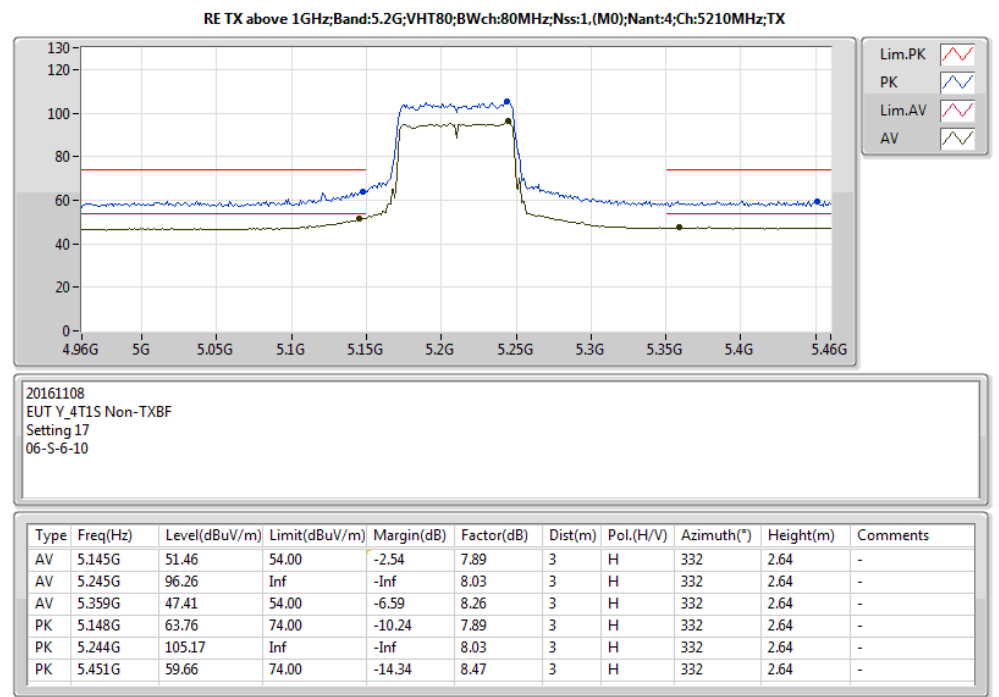
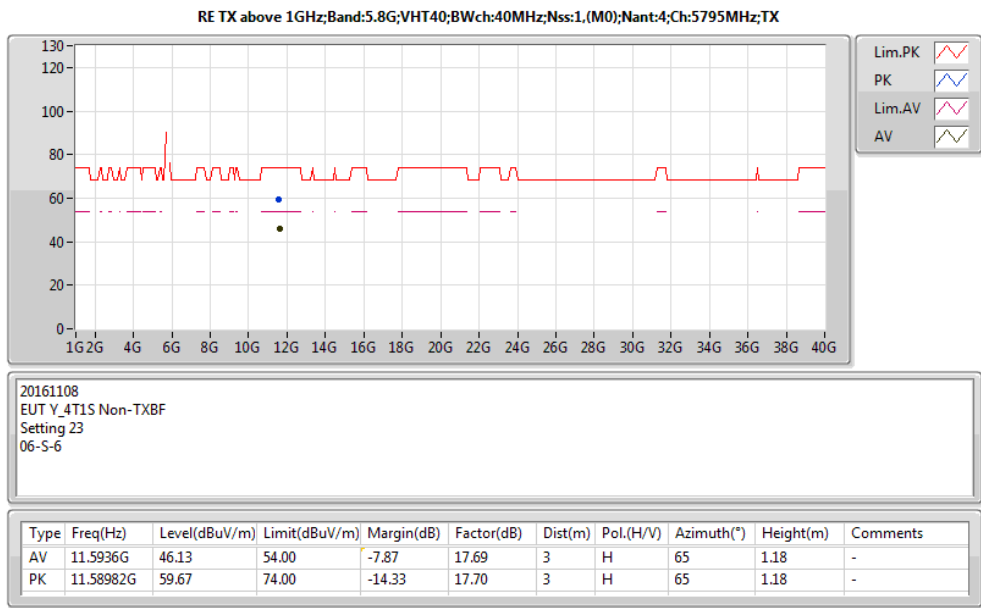
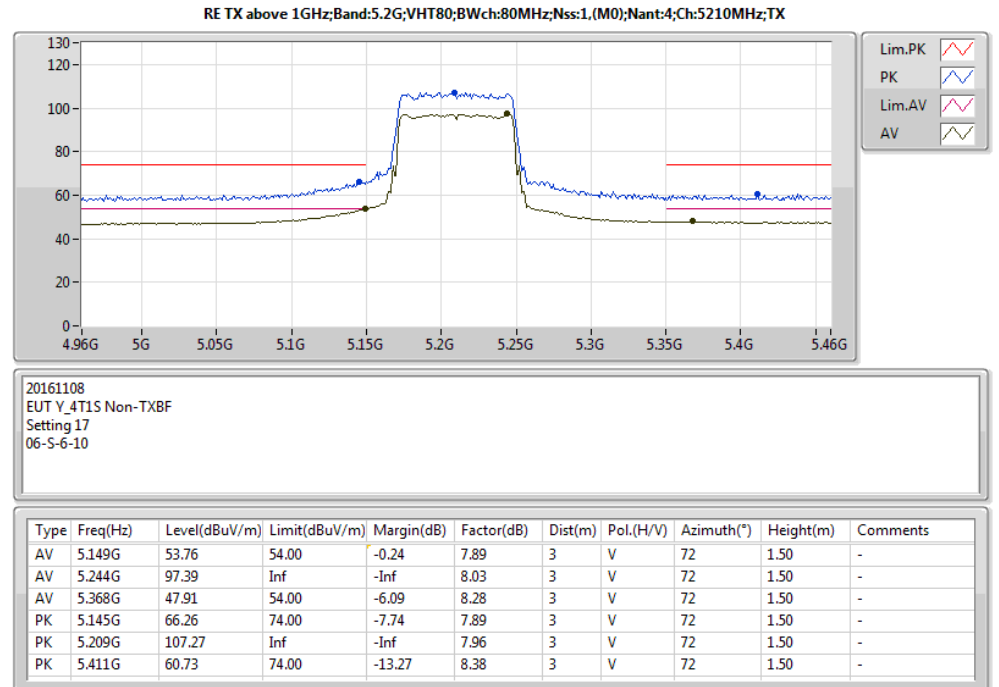
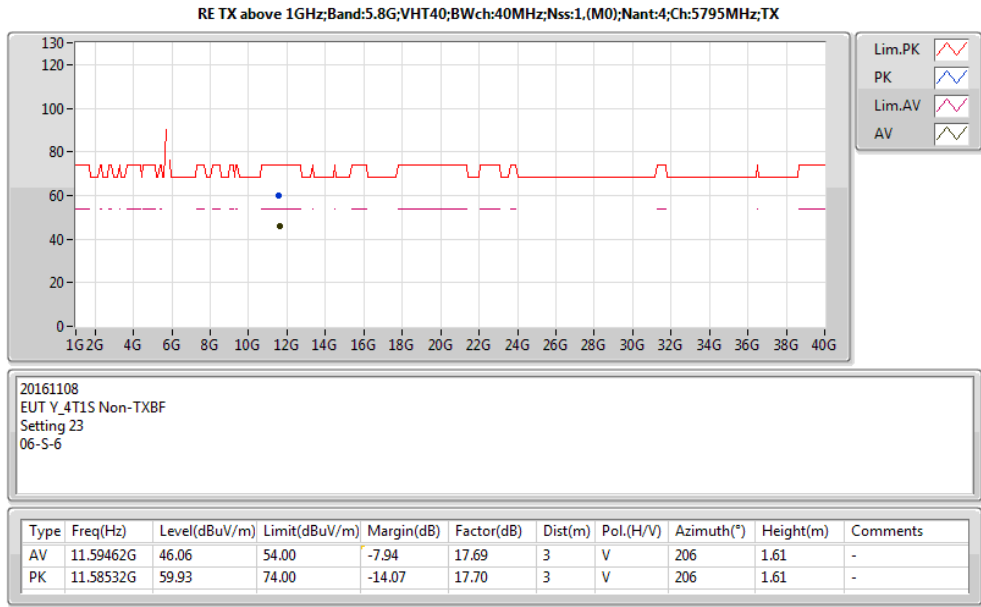
20161107
EUT_Y_4T1S Non-TXBF
Setting 23
06-S-6-10

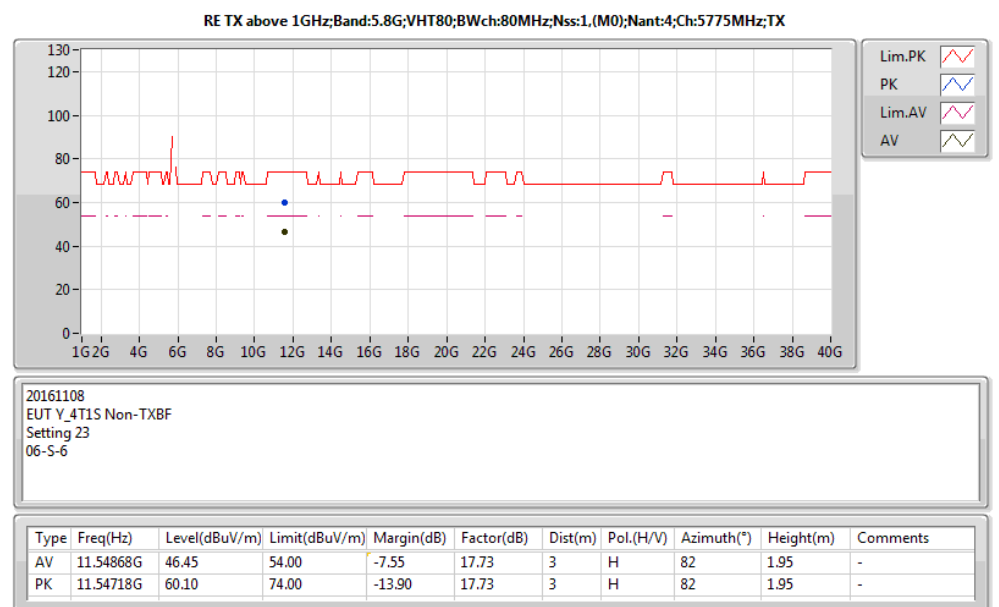
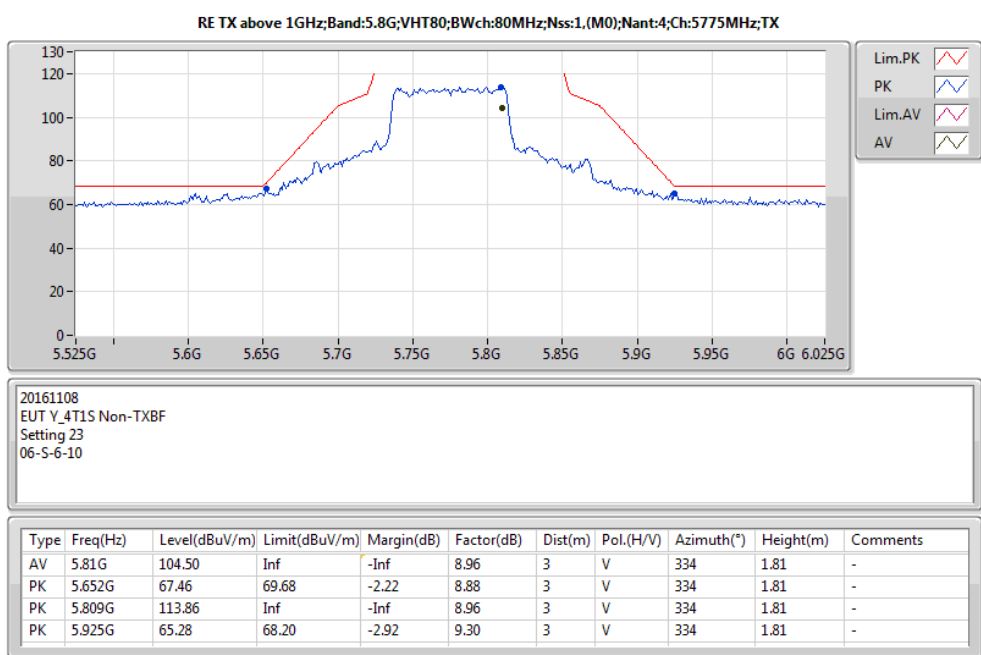
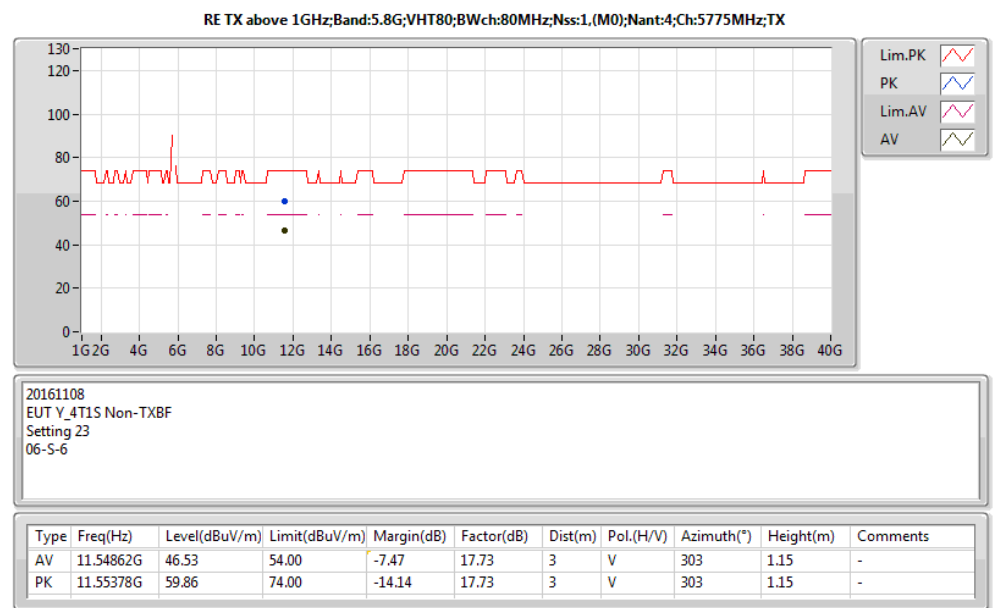
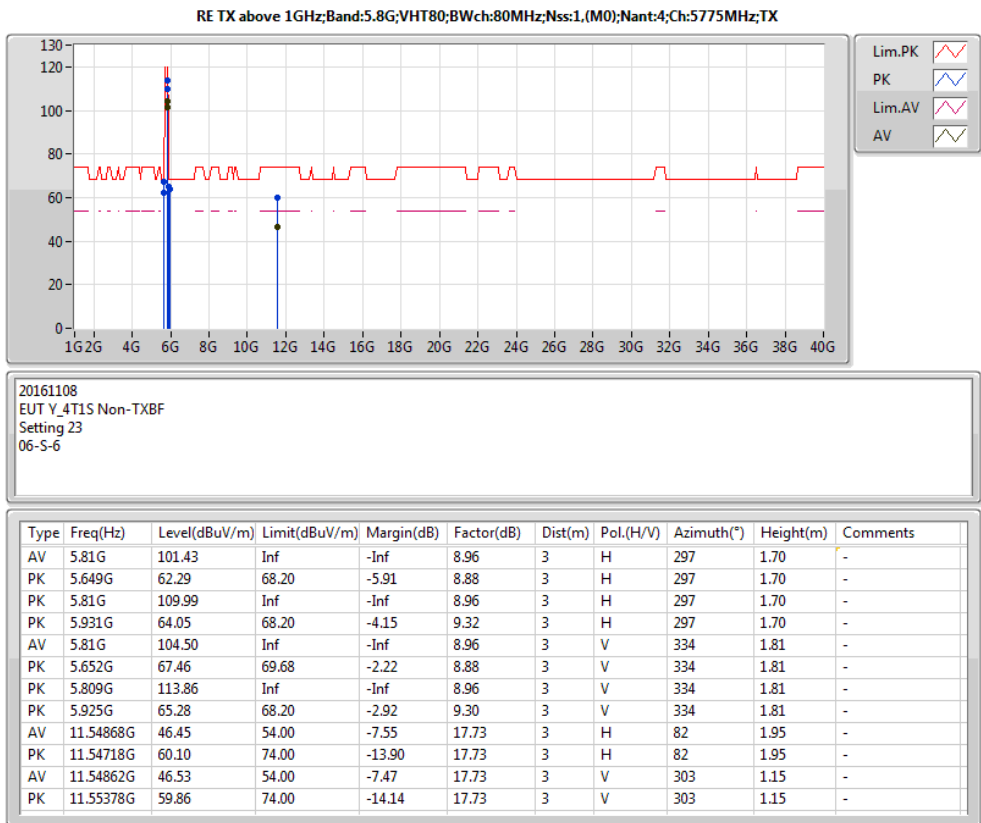
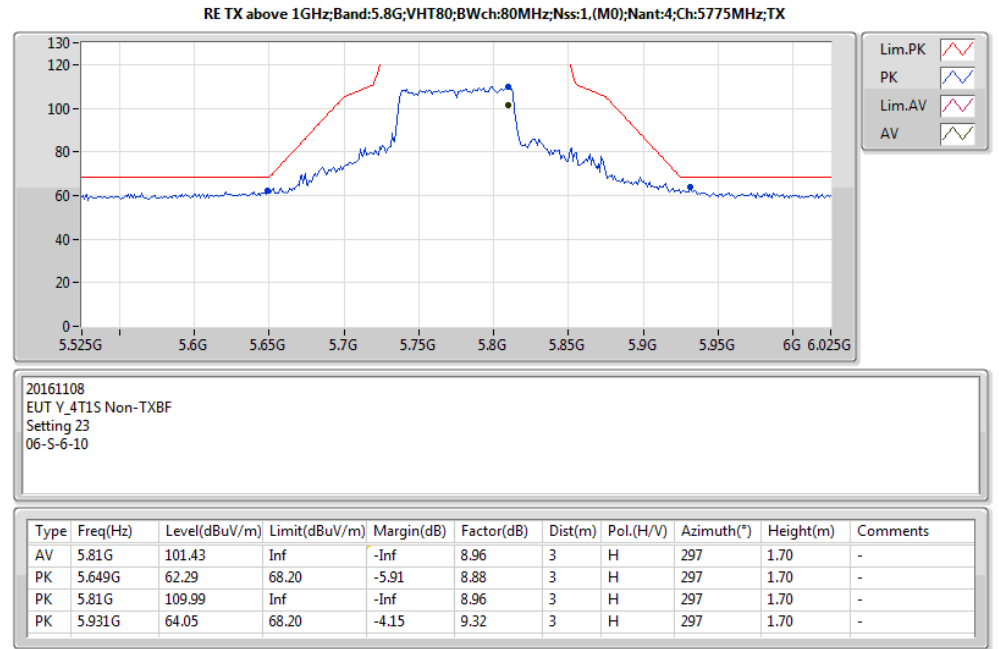
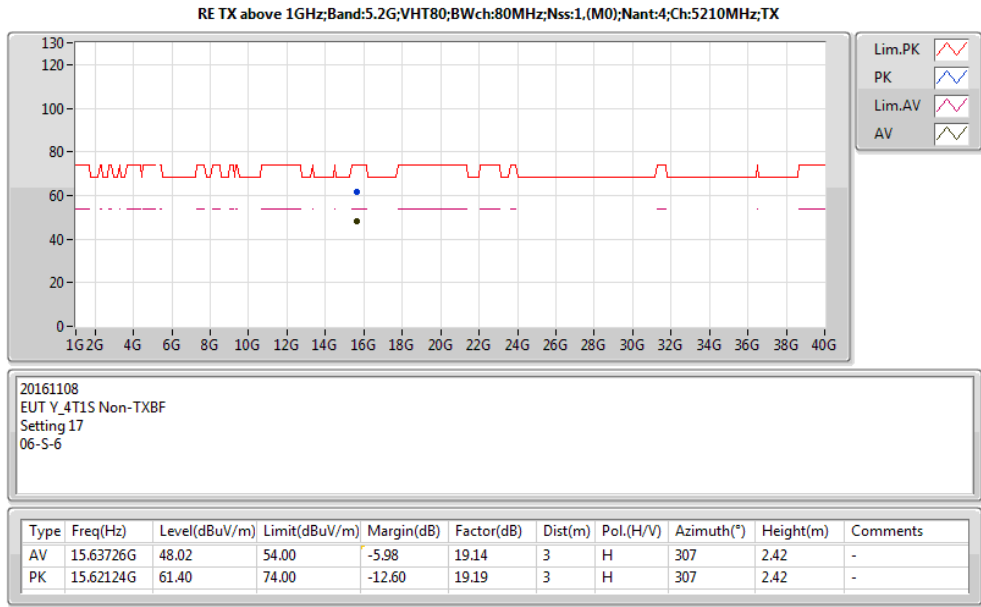
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.798G	106.01	Inf	-Inf	8.93	3	V	337	1.83	-
PK	5.607G	61.56	68.20	-6.64	8.86	3	V	337	1.83	-
PK	5.811G	115.01	Inf	-Inf	8.96	3	V	337	1.83	-
PK	5.927G	61.33	68.20	-6.87	9.31	3	V	337	1.83	-

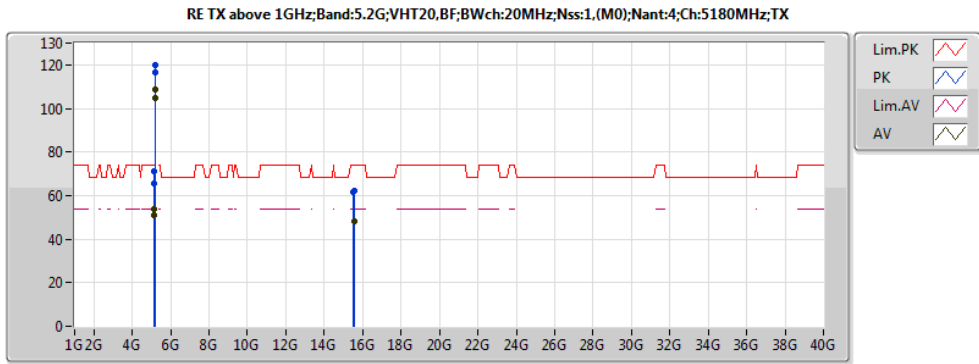


20161107
EUT_Y_4T1S Non-TXBF
Setting 23
06-S-6-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.799G	102.87	Inf	-Inf	8.93	3	H	298	1.72	-
PK	5.594G	60.88	68.20	-7.32	8.84	3	H	298	1.72	-
PK	5.785G	111.75	Inf	-Inf	8.93	3	H	298	1.72	-
PK	5.975G	61.04	68.20	-7.16	9.46	3	H	298	1.72	-

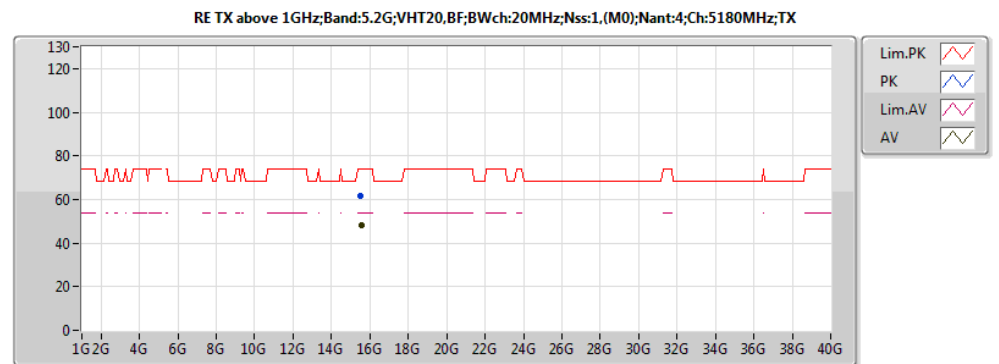






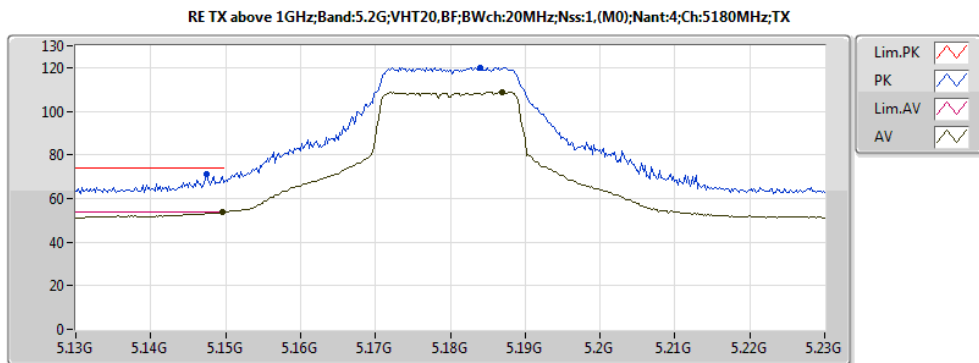
20161109
EUT_Y_4T1S_TXBF
Setting 22
06-W-3

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(*)	Height(m)	Comments
AV	5.1498G	51.15	54.00	-2.85	7.89	3	H	315	1.35	-
AV	5.1878G	104.72	Inf	-Inf	7.93	3	H	315	1.35	-
PK	5.1496G	65.68	74.00	-8.32	7.89	3	H	315	1.35	-
PK	5.1874G	116.30	Inf	-Inf	7.93	3	H	315	1.35	-
AV	5.1496G	53.71	54.00	-0.29	7.89	3	V	313	1.52	-
AV	5.187G	108.81	Inf	-Inf	7.93	3	V	313	1.52	-
PK	5.1474G	70.93	74.00	-3.07	7.89	3	V	313	1.52	-
PK	5.184G	120.15	Inf	-Inf	7.93	3	V	313	1.52	-
AV	15.5448G	47.97	54.00	-6.03	19.42	3	H	47	2.96	-
PK	15.53882G	62.06	74.00	-11.94	19.43	3	H	47	2.96	-
AV	15.53948G	48.05	54.00	-5.95	19.43	3	V	45	1.50	-
PK	15.53694G	61.67	74.00	-12.33	19.44	3	V	45	1.50	-



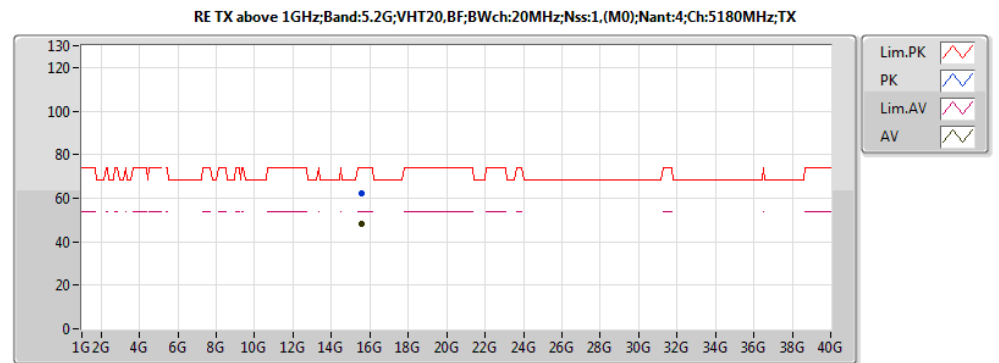
20161109
EUT_Y_4T1S_TXBF
Setting 22
06-W-3

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(*)	Height(m)	Comments
AV	15.53948G	48.05	54.00	-5.95	19.43	3	V	45	1.50	-
PK	15.53694G	61.67	74.00	-12.33	19.44	3	V	45	1.50	-



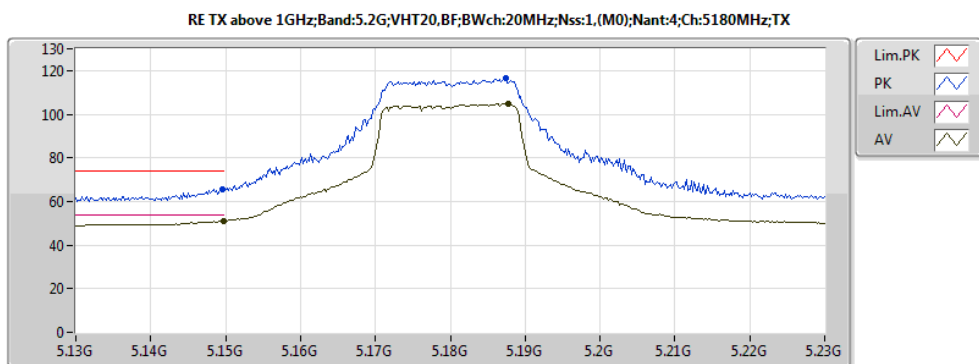
20161109
EUT_Y_4T1S_TXBF
Setting 22
06-W-3-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(*)	Height(m)	Comments
AV	5.1496G	53.71	54.00	-0.29	7.89	3	V	313	1.52	-
AV	5.187G	108.81	Inf	-Inf	7.93	3	V	313	1.52	-
PK	5.1474G	70.93	74.00	-3.07	7.89	3	V	313	1.52	-
PK	5.184G	120.15	Inf	-Inf	7.93	3	V	313	1.52	-



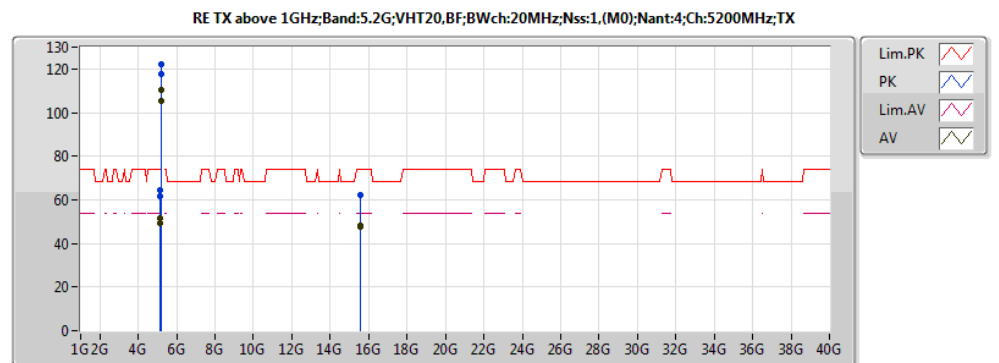
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EUT_Y_4T1S_TXBF
Setting 22
06-W-3

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(*)	Height(m)	Comments
AV	15.5448G	47.97	54.00	-6.03	19.42	3	H	47	2.96	-
PK	15.53882G	62.06	74.00	-11.94	19.43	3	H	47	2.96	-



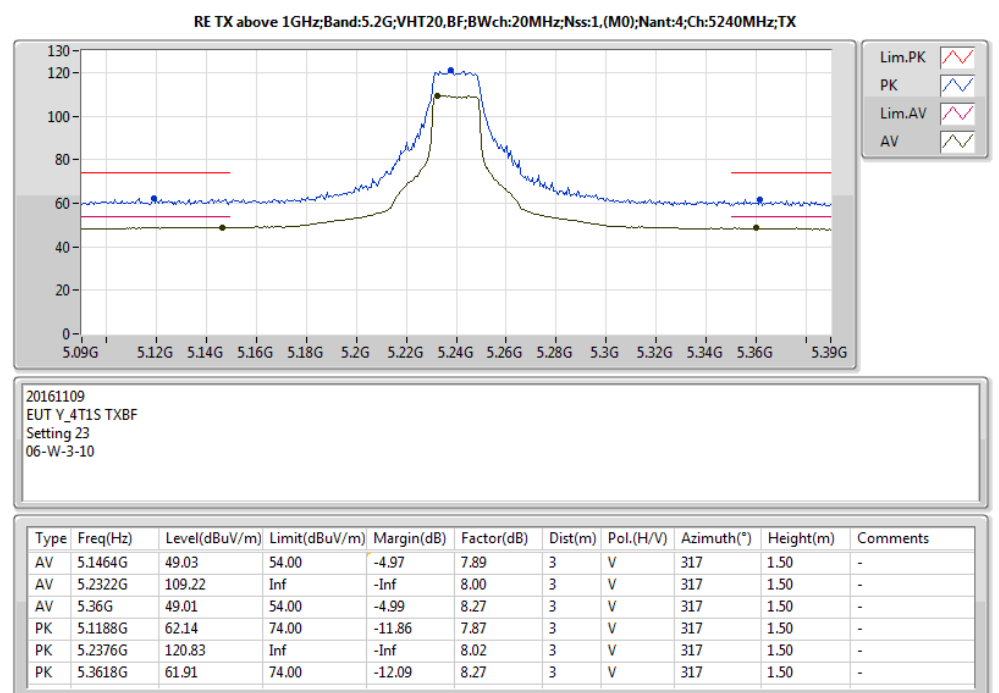
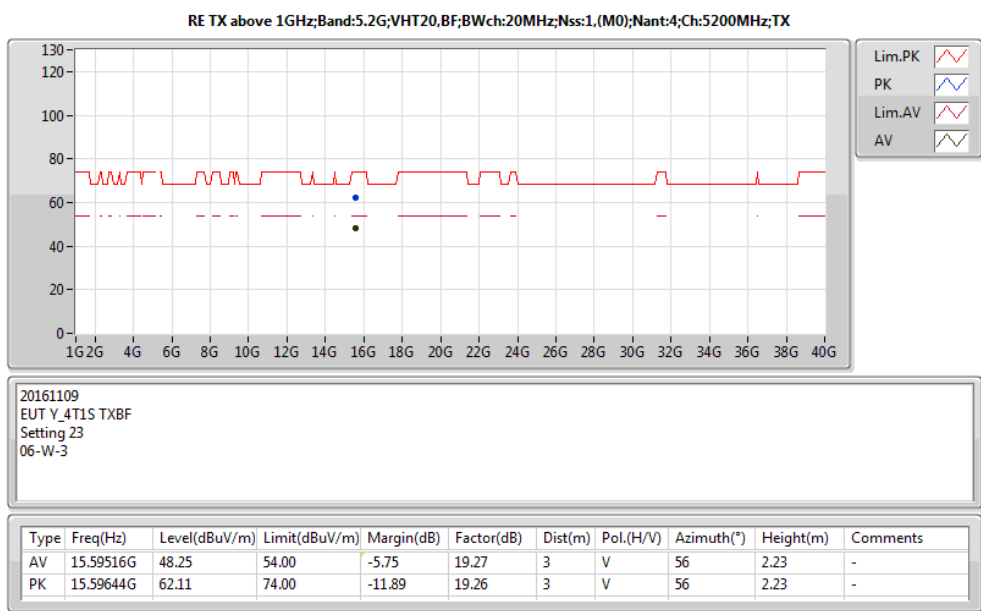
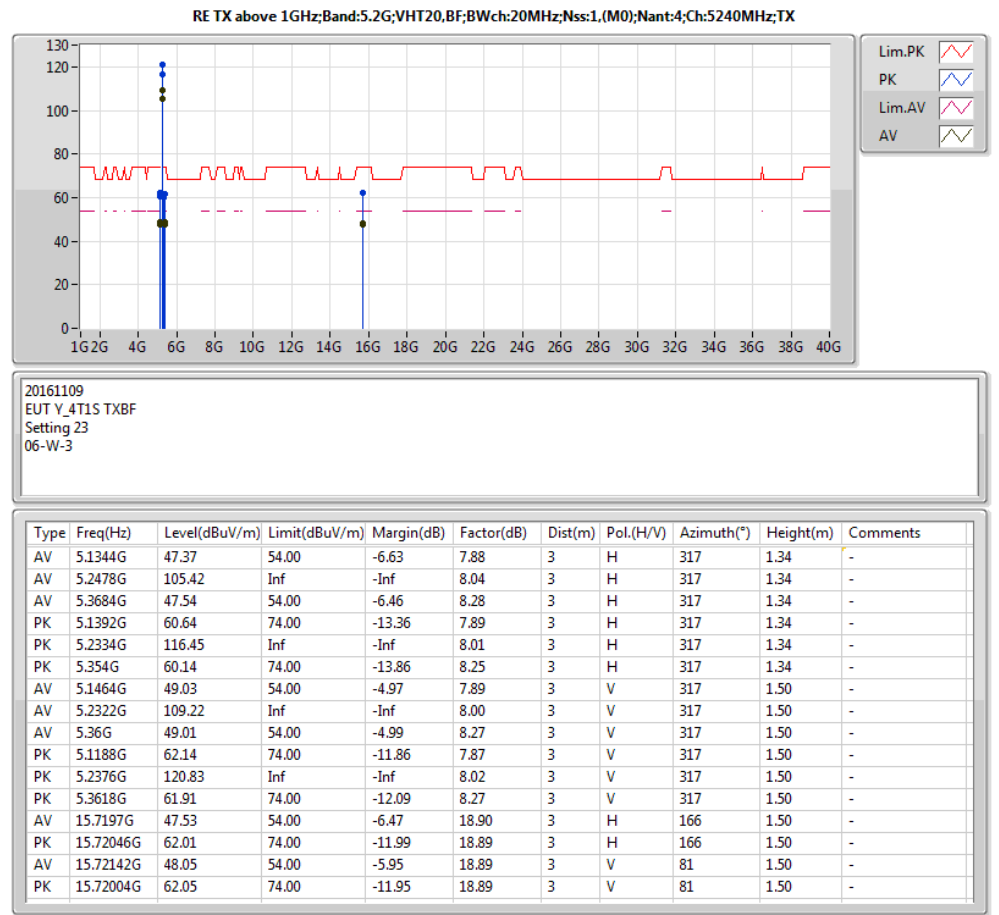
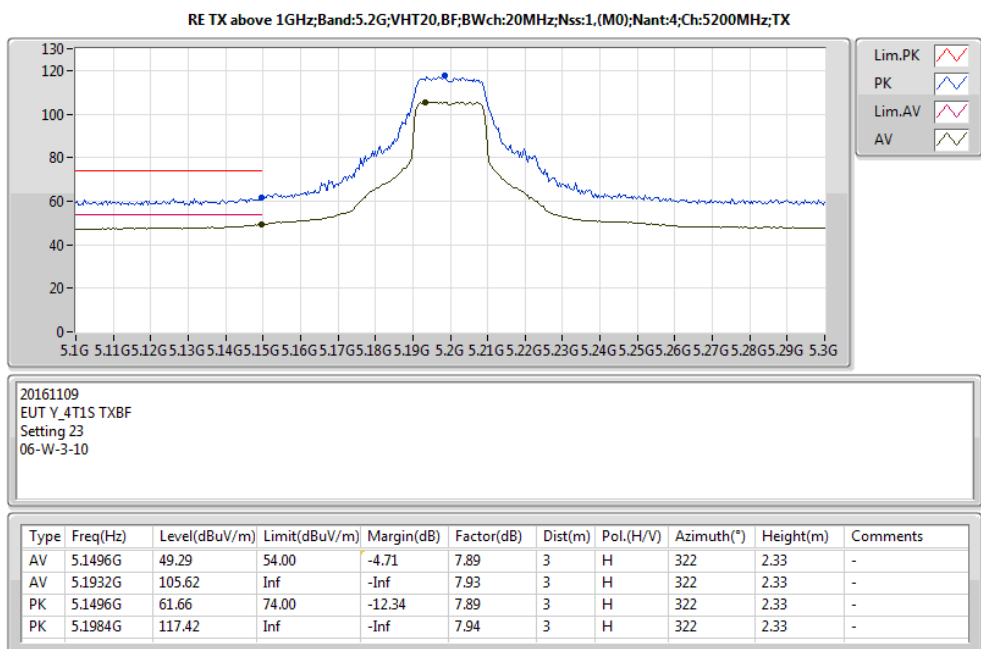
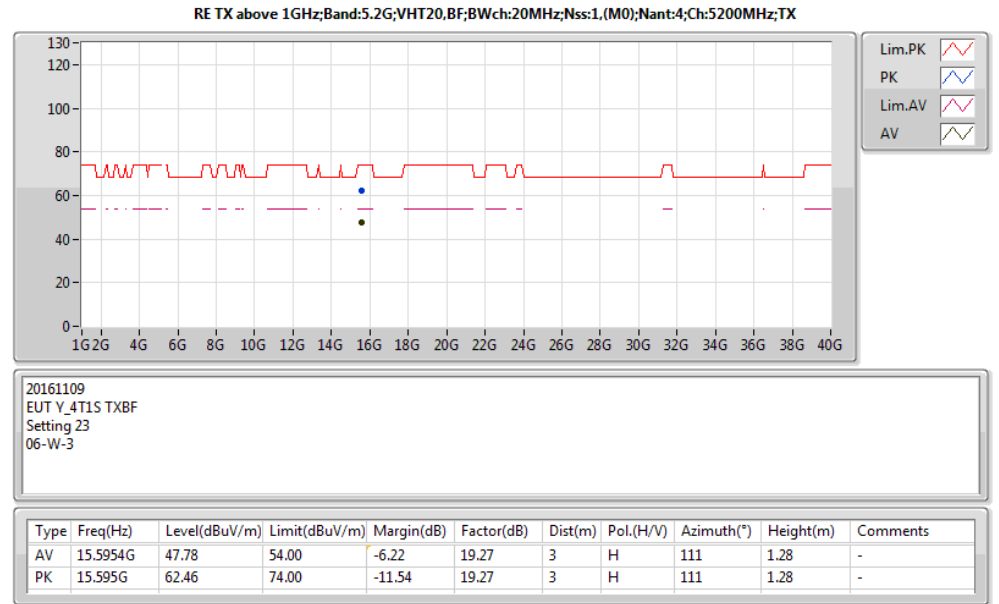
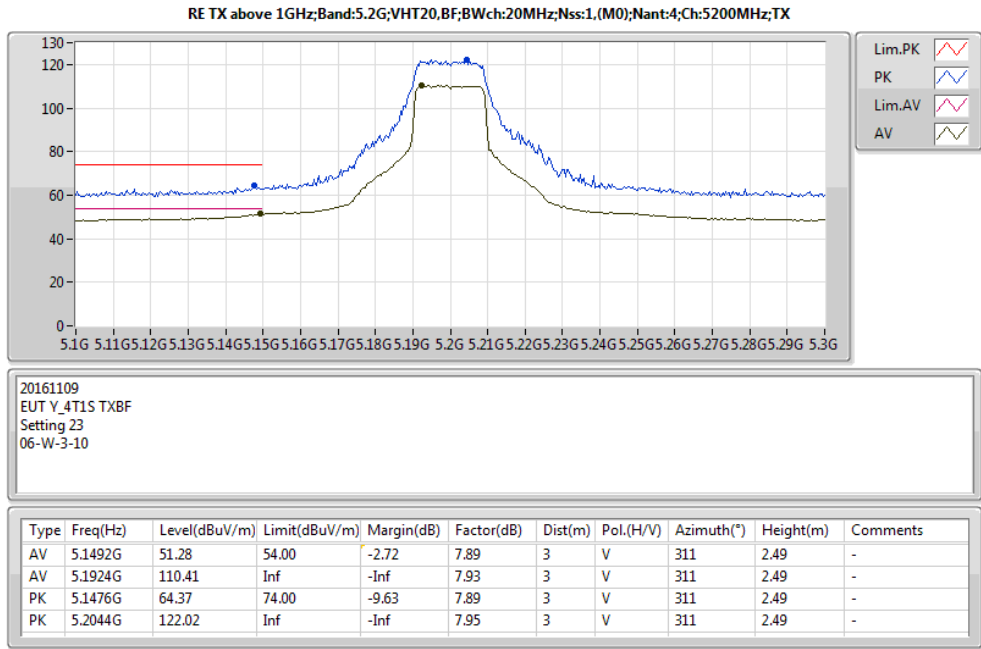
20161109
EUT_Y_4T1S_TXBF
Setting 22
06-W-3-10

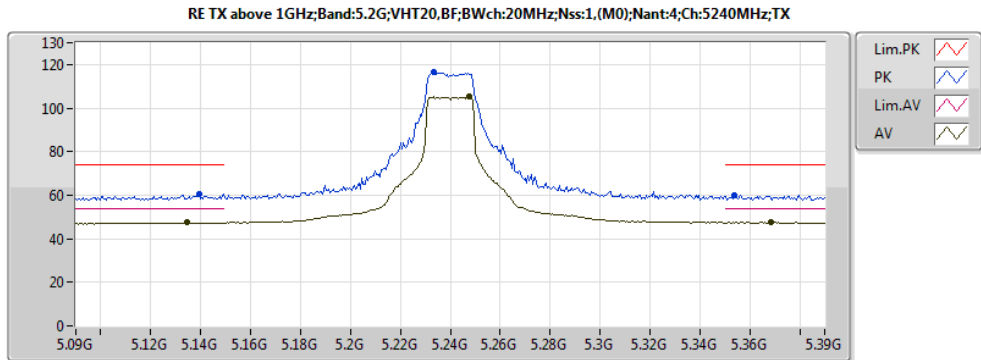
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(*)	Height(m)	Comments
AV	5.1498G	51.15	54.00	-2.85	7.89	3	H	315	1.35	-
AV	5.1878G	104.72	Inf	-Inf	7.93	3	H	315	1.35	-
PK	5.1496G	65.68	74.00	-8.32	7.89	3	H	315	1.35	-
PK	5.1874G	116.30	Inf	-Inf	7.93	3	H	315	1.35	-



20161109
EUT_Y_4T1S_TXBF
Setting 23
06-W-3

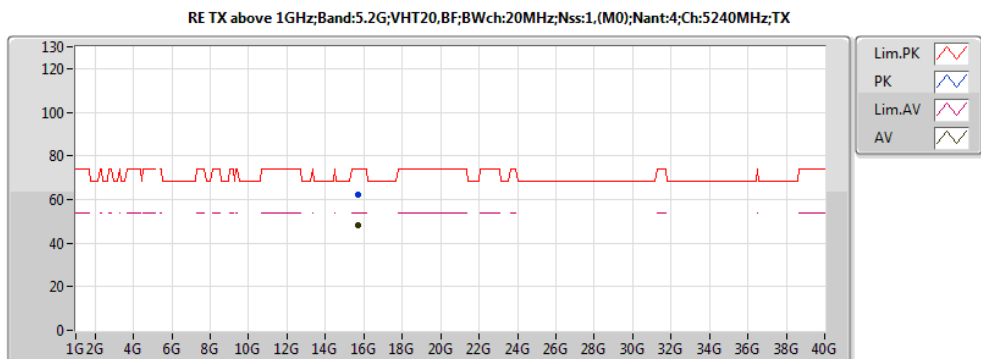
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(*)	Height(m)	Comments
AV	5.1496G	49.29	54.00	-4.71	7.89	3	H	322	2.33	-
AV	5.1932G	105.62	Inf	-Inf	7.93	3	H	322	2.33	-
PK	5.1496G	61.66	74.00	-12.34	7.89	3	H	322	2.33	-
PK	5.1984G	117.42	Inf	-Inf	7.94	3	H	322	2.33	-
AV	5.1492G	51.28	54.00	-2.72	7.89	3	V	311	2.49	-
AV	5.1924G	110.41	Inf	-Inf	7.93	3	V	311	2.49	-
PK	5.1476G	64.37	74.00	-9.63	7.89	3	V	311	2.49	-
PK	5.2044G	122.02	Inf	-Inf	7.95	3	V	311	2.49	-
AV	15.5954G	47.78	54.00	-6.22	19.27	3	H	111	1.28	-
PK	15.595G	62.46	74.00	-11.54	19.27	3	H	111	1.28	-
AV	15.59516G	48.25	54.00	-5.75	19.27	3	V	56	2.23	-
PK	15.59644G	62.11	74.00	-11.89	19.26	3	V	56	2.23	-





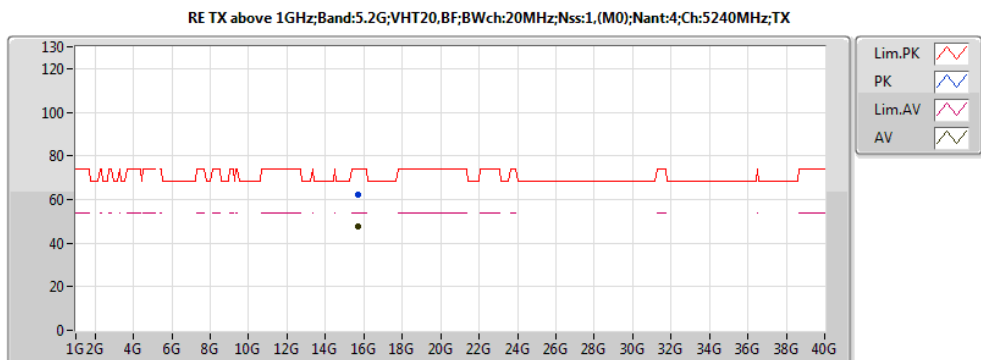
20161109
EUT_Y_4T1S_TXBF
Setting 23
06-W-3-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1344G	47.37	54.00	-6.63	7.88	3	H	317	1.34	-
AV	5.2478G	105.42	Inf	-Inf	8.04	3	H	317	1.34	-
AV	5.3684G	47.54	54.00	-6.46	8.28	3	H	317	1.34	-
PK	5.1392G	60.64	74.00	-13.36	7.89	3	H	317	1.34	-
PK	5.2334G	116.45	Inf	-Inf	8.01	3	H	317	1.34	-
PK	5.354G	60.14	74.00	-13.86	8.25	3	H	317	1.34	-



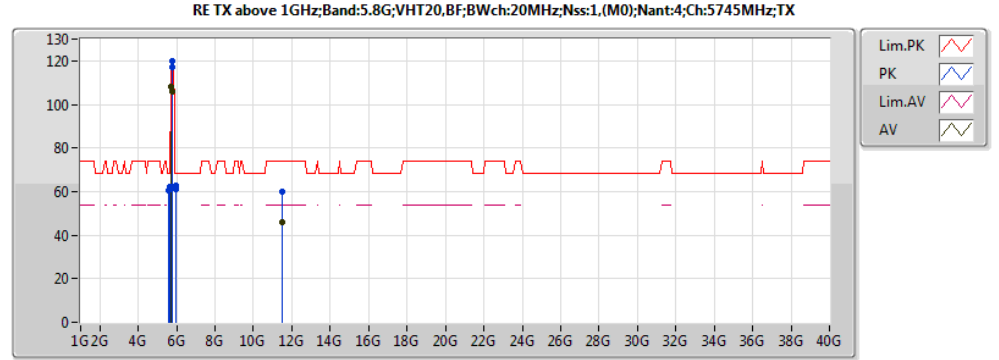
20161109
EUT_Y_4T1S_TXBF
Setting 23
06-W-3

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.72142G	48.05	54.00	-5.95	18.89	3	V	81	1.50	-
PK	15.72004G	62.05	74.00	-11.95	18.89	3	V	81	1.50	-



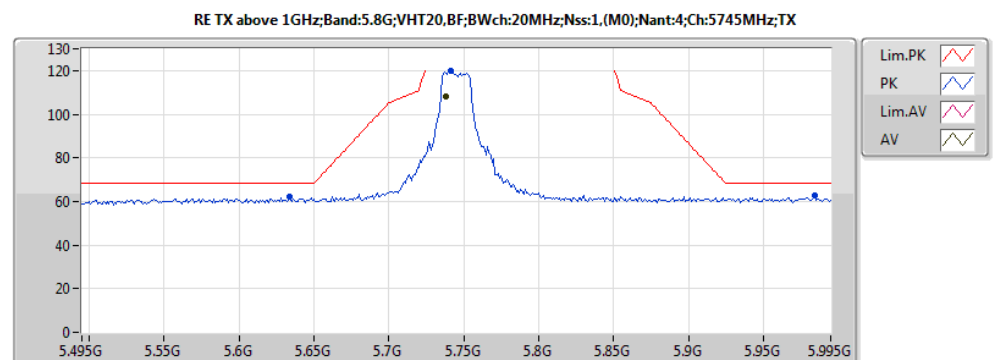
20161109
EUT_Y_4T1S_TXBF
Setting 23
06-W-3

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.7197G	47.53	54.00	-6.47	18.90	3	H	166	1.50	-
PK	15.72046G	62.01	74.00	-11.99	18.89	3	H	166	1.50	-



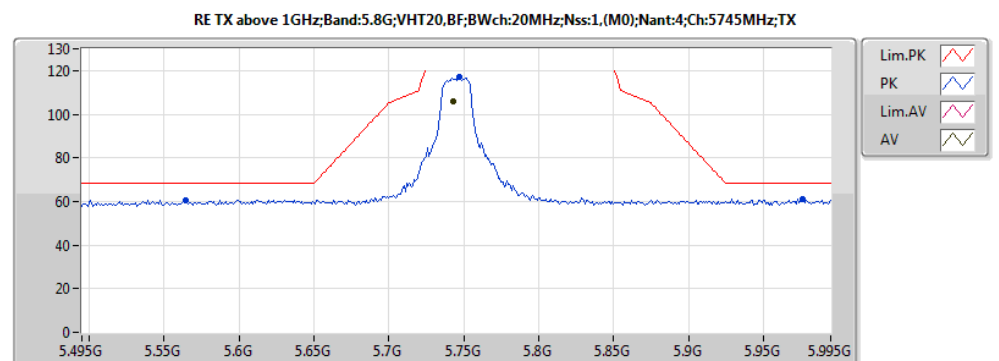
20161109
EUT_Y_4T1S_TXBF
Setting 23
06-W-3

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.743G	106.05	Inf	-Inf	8.91	3	H	299	1.73	-
PK	5.564G	60.73	68.20	-7.47	8.76	3	H	299	1.73	-
PK	5.747G	117.12	Inf	-Inf	8.91	3	H	299	1.73	-
PK	5.976G	60.88	68.20	-7.32	9.46	3	H	299	1.73	-
AV	5.738G	107.97	Inf	-Inf	8.91	3	V	325	1.50	-
PK	5.634G	62.06	68.20	-6.14	8.87	3	V	325	1.50	-
PK	5.741G	120.07	Inf	-Inf	8.91	3	V	325	1.50	-
PK	5.984G	62.63	68.20	-5.57	9.48	3	V	325	1.50	-
AV	11.49416G	45.73	54.00	-8.27	17.78	3	H	199	2.01	-
PK	11.48876G	59.71	74.00	-14.29	17.78	3	H	199	2.01	-
AV	11.48636G	45.78	54.00	-8.22	17.79	3	V	104	2.70	-
PK	11.48568G	59.99	74.00	-14.01	17.79	3	V	104	2.70	-



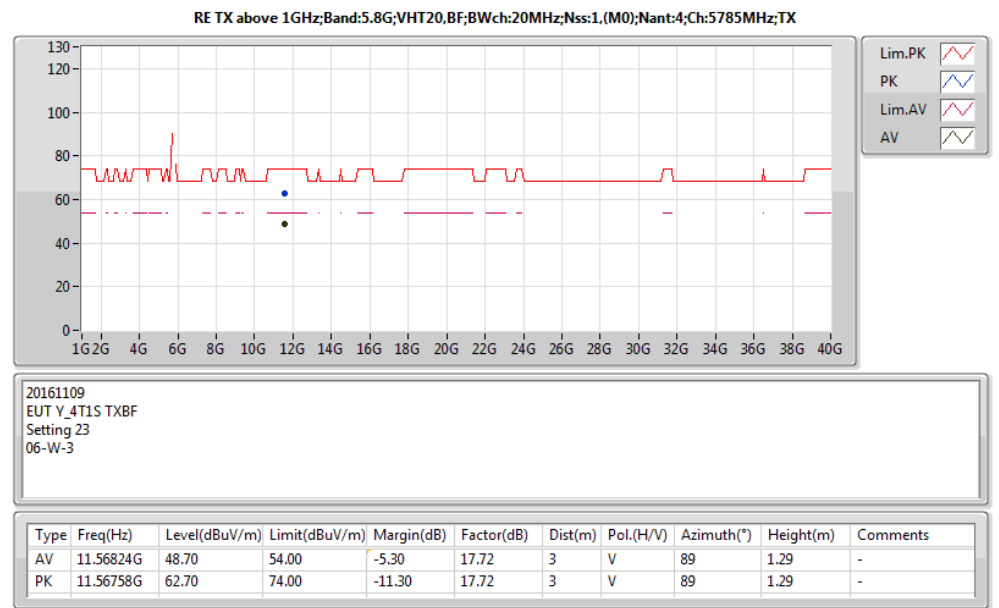
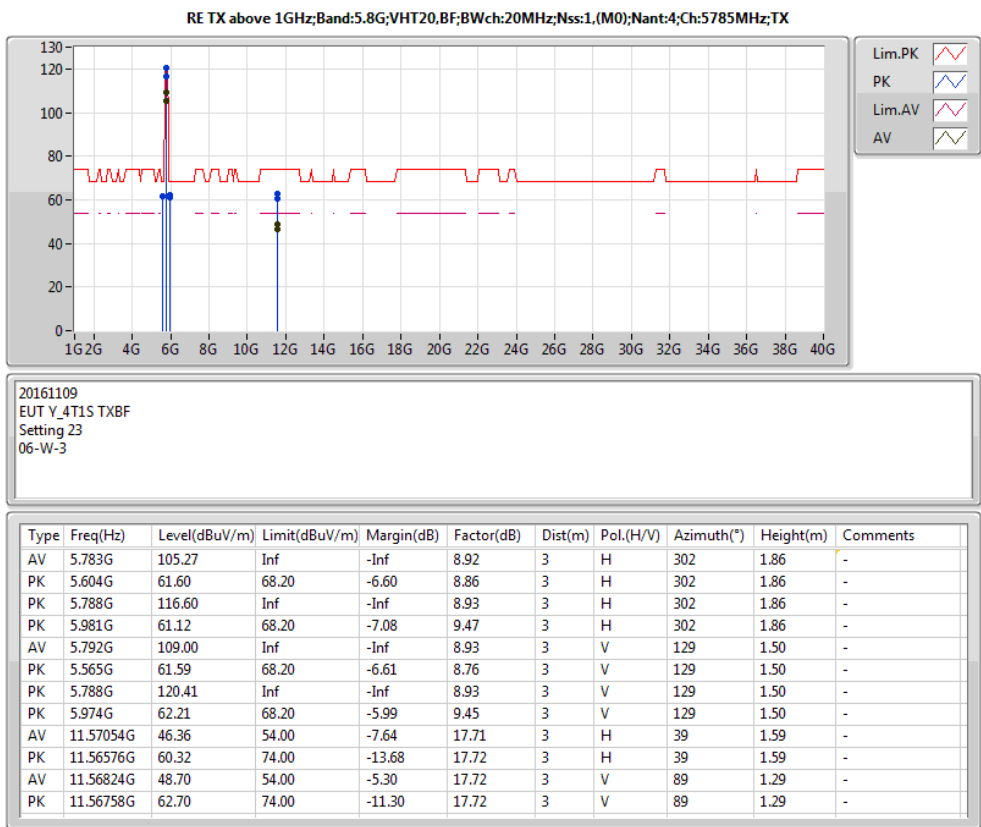
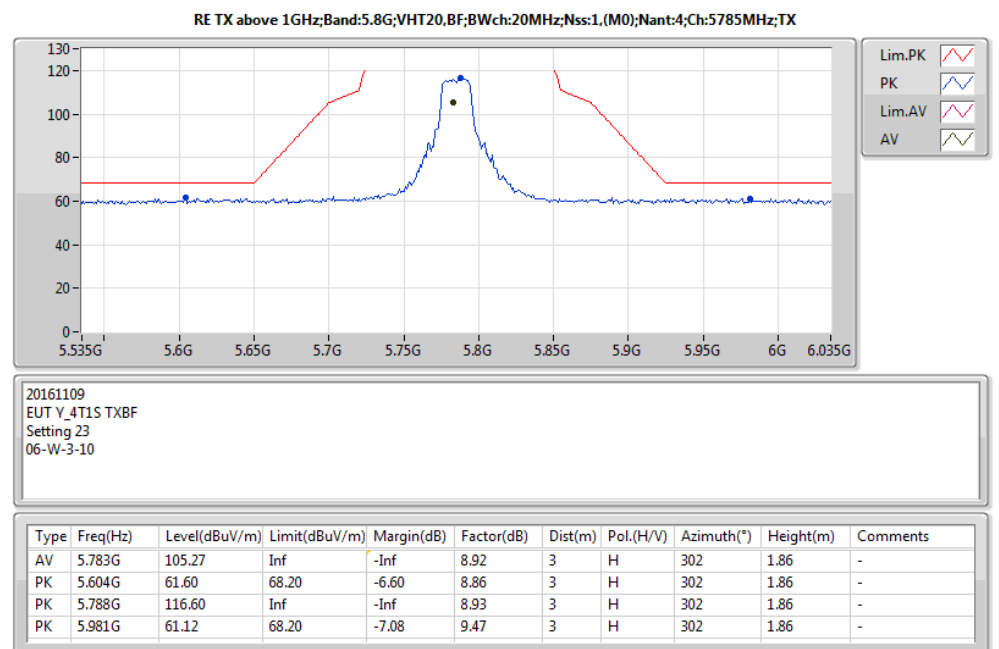
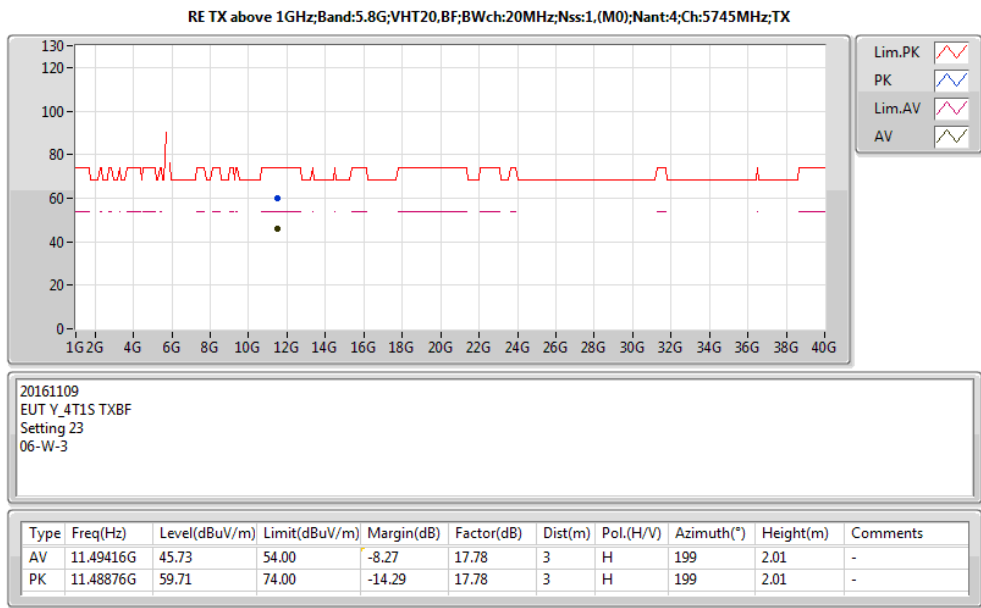
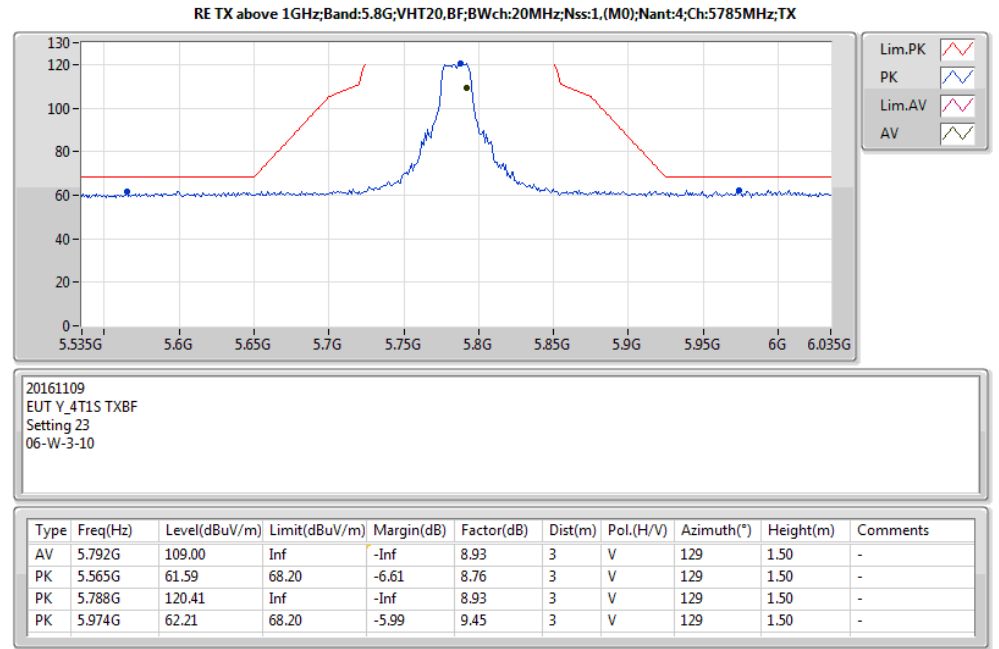
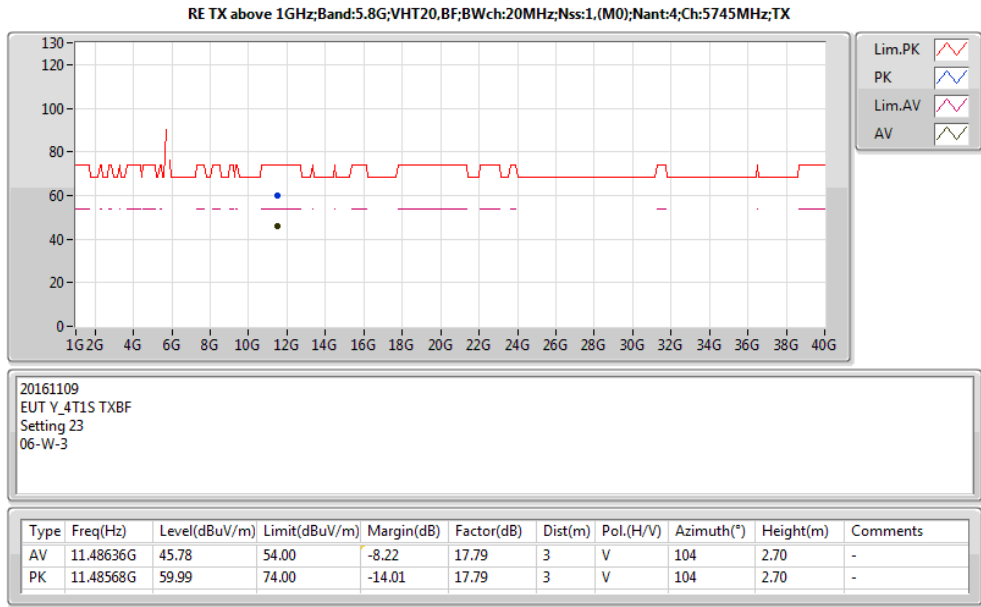
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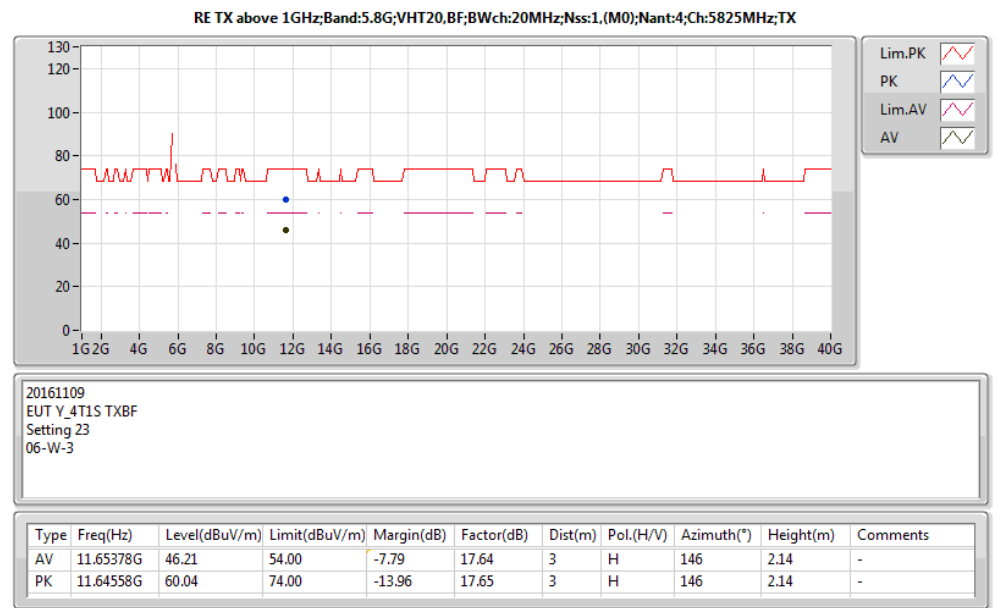
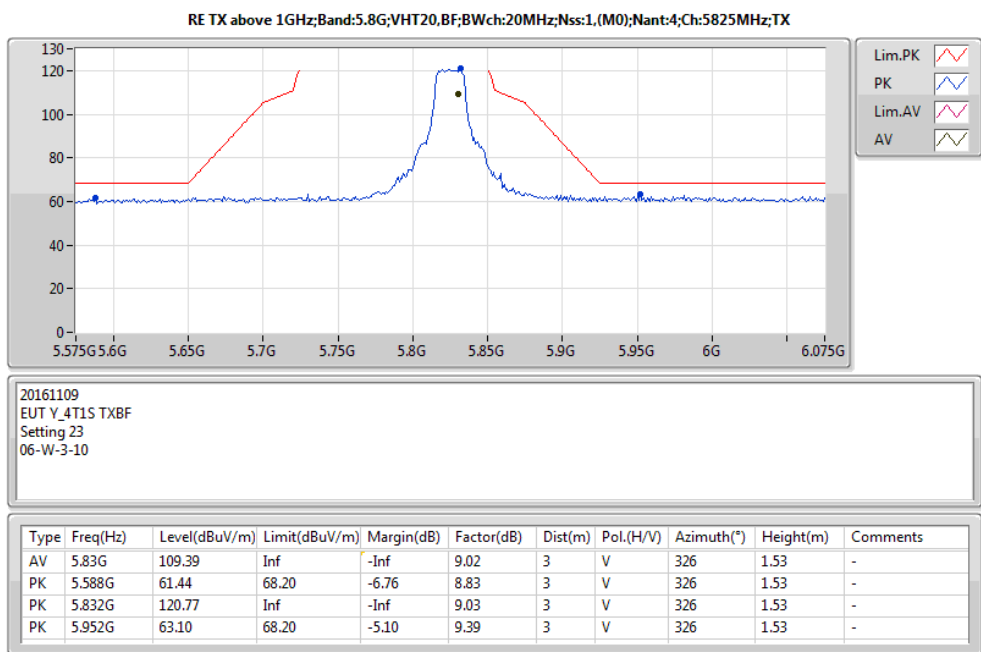
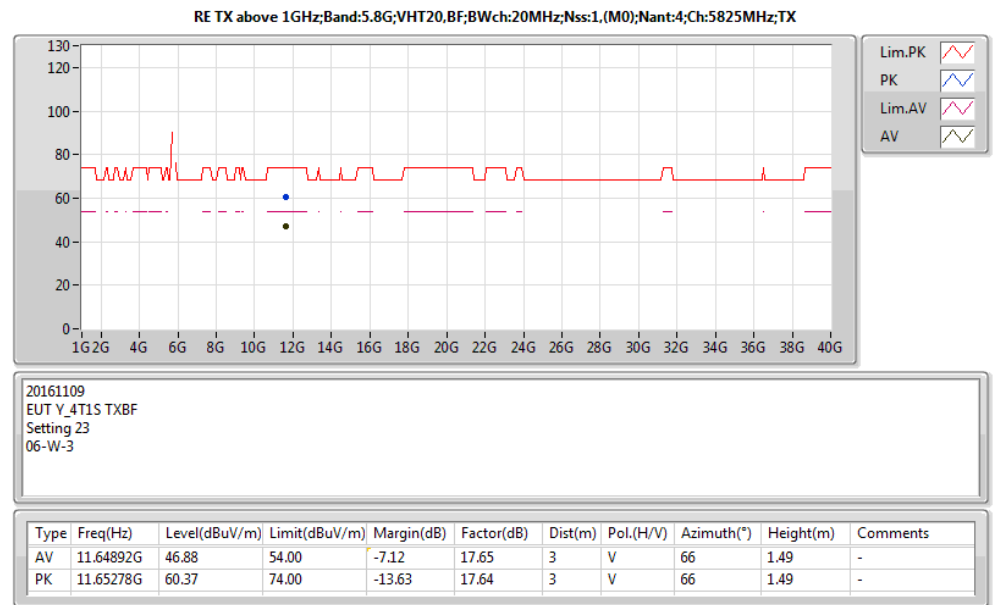
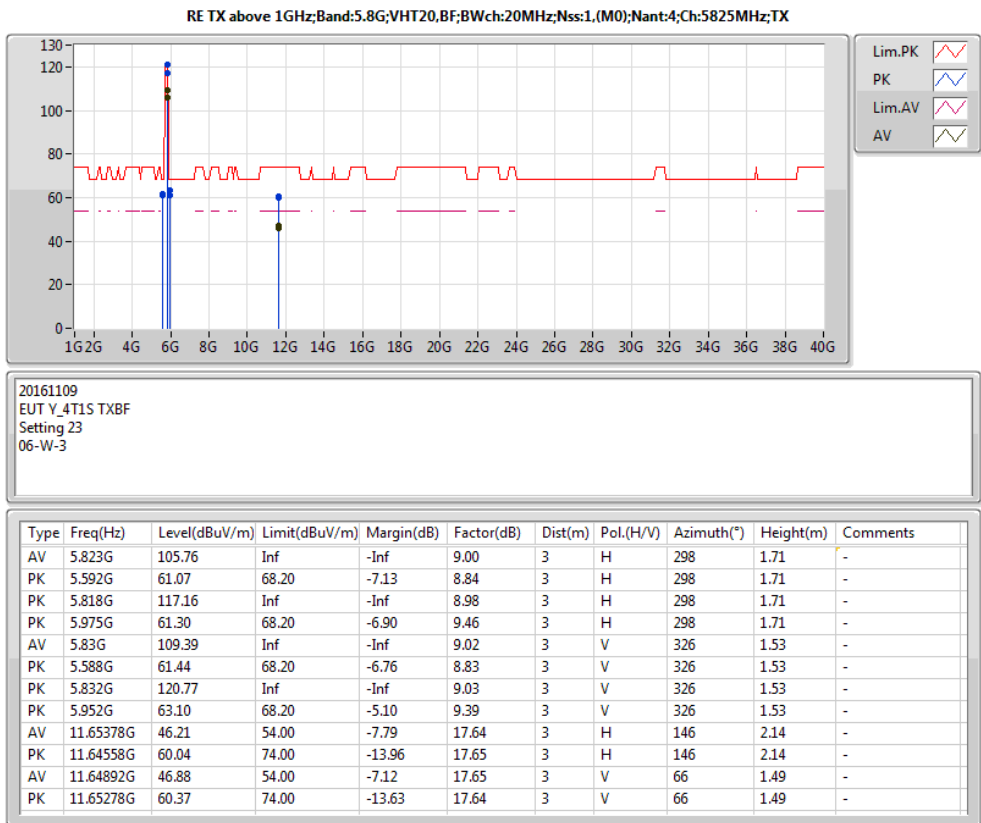
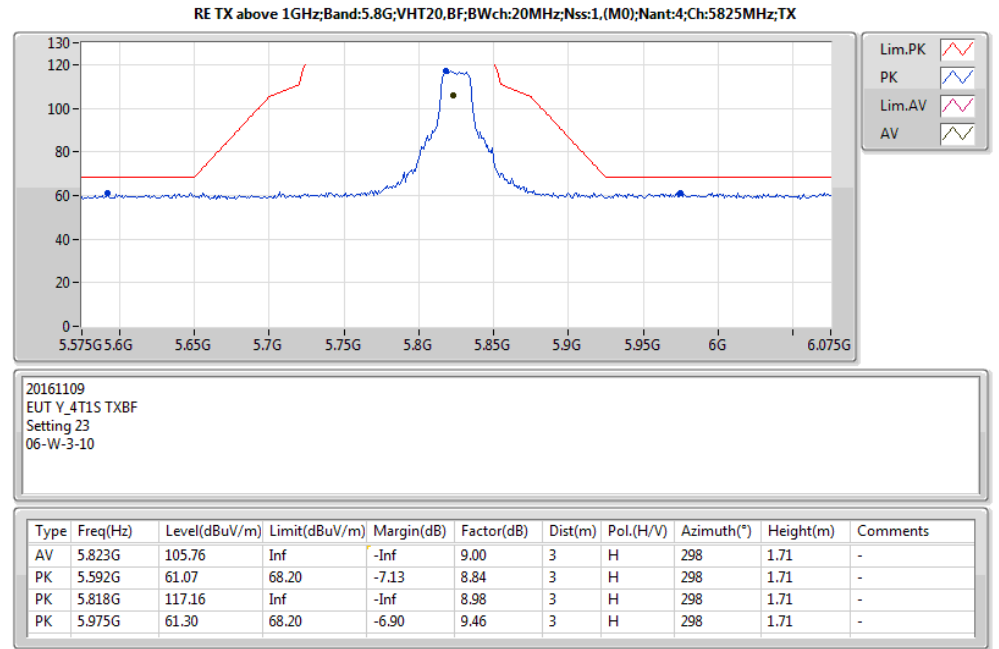
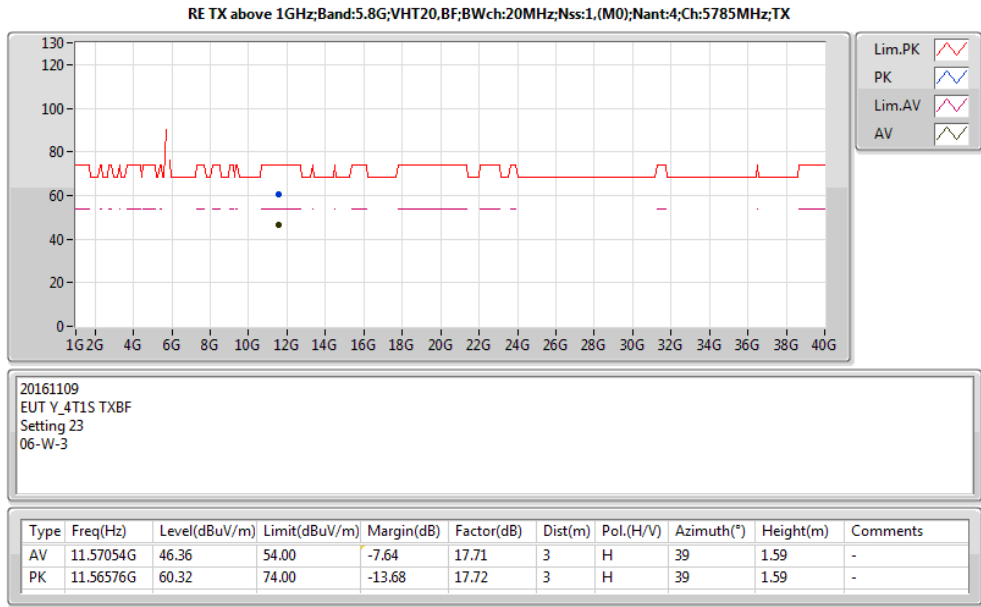
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.738G	107.97	Inf	-Inf	8.91	3	V	325	1.50	-
PK	5.634G	62.06	68.20	-6.14	8.87	3	V	325	1.50	-
PK	5.741G	120.07	Inf	-Inf	8.91	3	V	325	1.50	-
PK	5.984G	62.63	68.20	-5.57	9.48	3	V	325	1.50	-

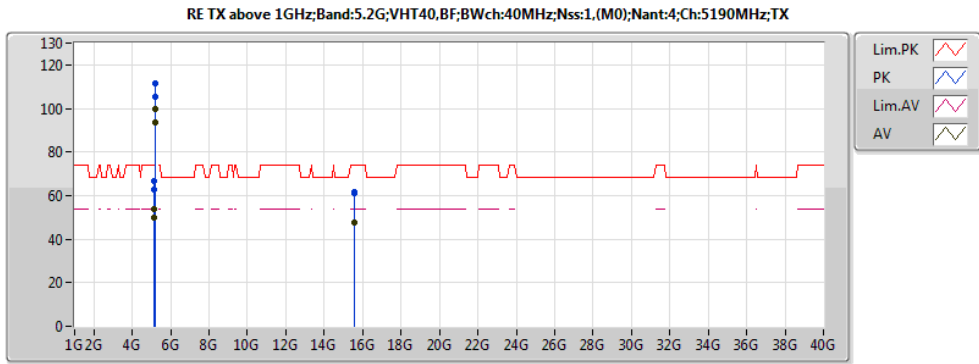


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Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.743G	106.05	Inf	-Inf	8.91	3	H	299	1.73	-
PK	5.564G	60.73	68.20	-7.47	8.76	3	H	299	1.73	-
PK	5.747G	117.12	Inf	-Inf	8.91	3	H	299	1.73	-
PK	5.976G	60.88	68.20	-7.32	9.46	3	H	299	1.73	-

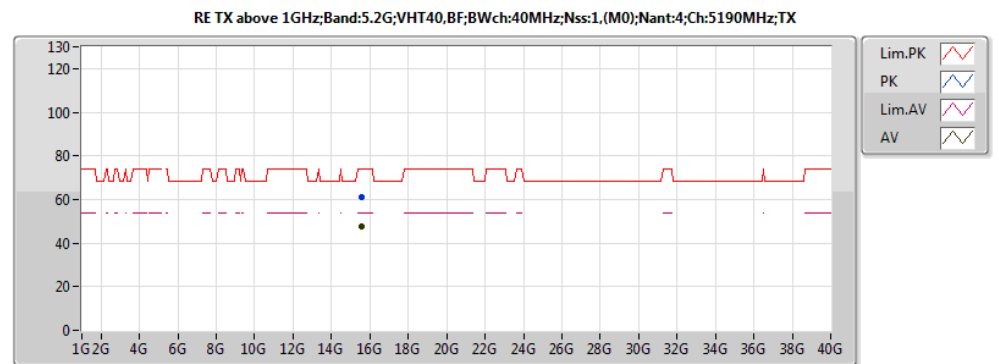






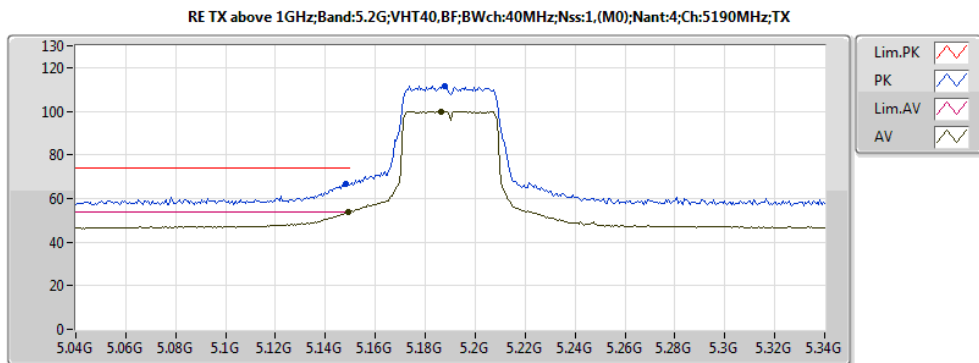
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Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(*)	Height(m)	Comments
AV	5.1498G	49.72	54.00	-4.28	7.89	3	H	311	2.52	-
AV	5.1744G	93.65	Inf	-Inf	7.92	3	H	311	2.52	-
PK	5.148G	62.87	74.00	-11.13	7.89	3	H	311	2.52	-
PK	5.1726G	105.40	Inf	-Inf	7.92	3	H	311	2.52	-
AV	5.1492G	53.76	54.00	-0.24	7.89	3	V	313	2.59	-
AV	5.1864G	100.00	Inf	-Inf	7.93	3	V	313	2.59	-
PK	5.148G	66.80	74.00	-7.20	7.89	3	V	313	2.59	-
PK	5.1876G	111.45	Inf	-Inf	7.93	3	V	313	2.59	-
AV	15.57384G	47.85	54.00	-6.15	19.33	3	H	264	1.92	-
PK	15.57786G	61.73	74.00	-12.27	19.32	3	H	264	1.92	-
AV	15.56922G	47.87	54.00	-6.13	19.34	3	V	39	2.22	-
PK	15.5682G	61.07	74.00	-12.93	19.35	3	V	39	2.22	-



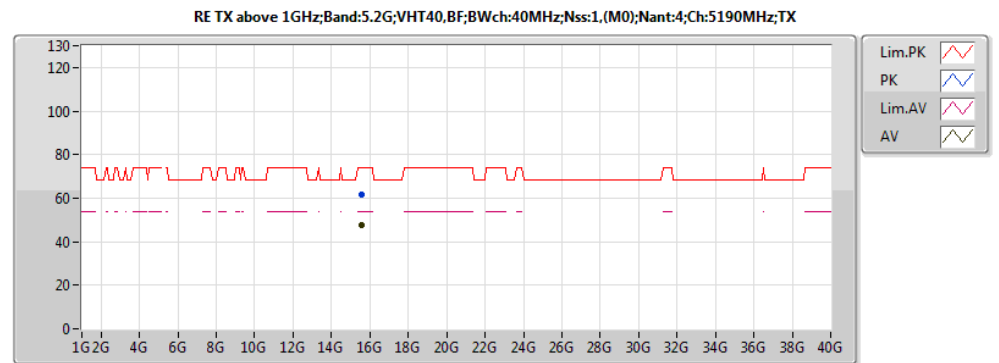
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Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(*)	Height(m)	Comments
AV	15.56922G	47.87	54.00	-6.13	19.34	3	V	39	2.22	-
PK	15.5682G	61.07	74.00	-12.93	19.35	3	V	39	2.22	-



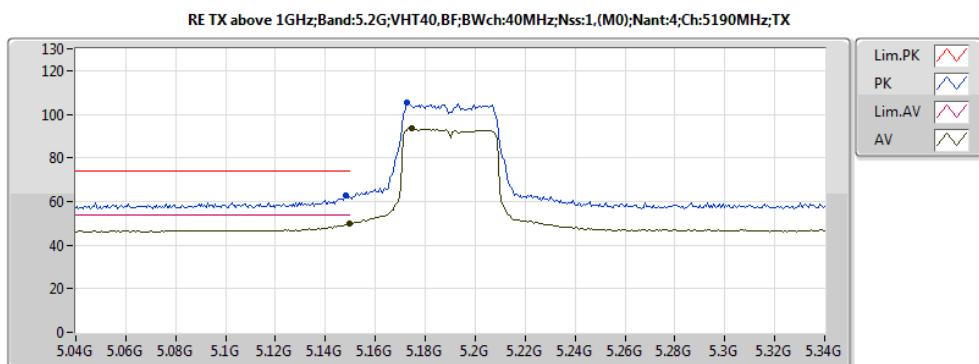
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Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(*)	Height(m)	Comments
AV	5.1492G	53.76	54.00	-0.24	7.89	3	V	313	2.59	-
AV	5.1864G	100.00	Inf	-Inf	7.93	3	V	313	2.59	-
PK	5.148G	66.80	74.00	-7.20	7.89	3	V	313	2.59	-
PK	5.1876G	111.45	Inf	-Inf	7.93	3	V	313	2.59	-



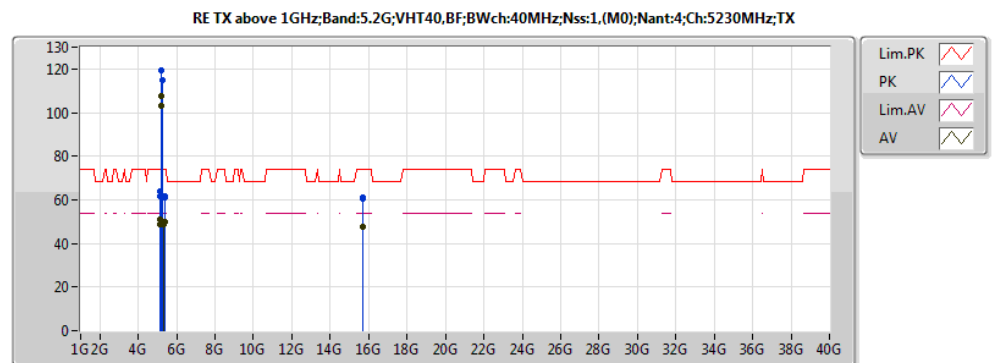
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EUT Y_4T1S TXBF
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Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(*)	Height(m)	Comments
AV	15.57384G	47.85	54.00	-6.15	19.33	3	H	264	1.92	-
PK	15.57786G	61.73	74.00	-12.27	19.32	3	H	264	1.92	-



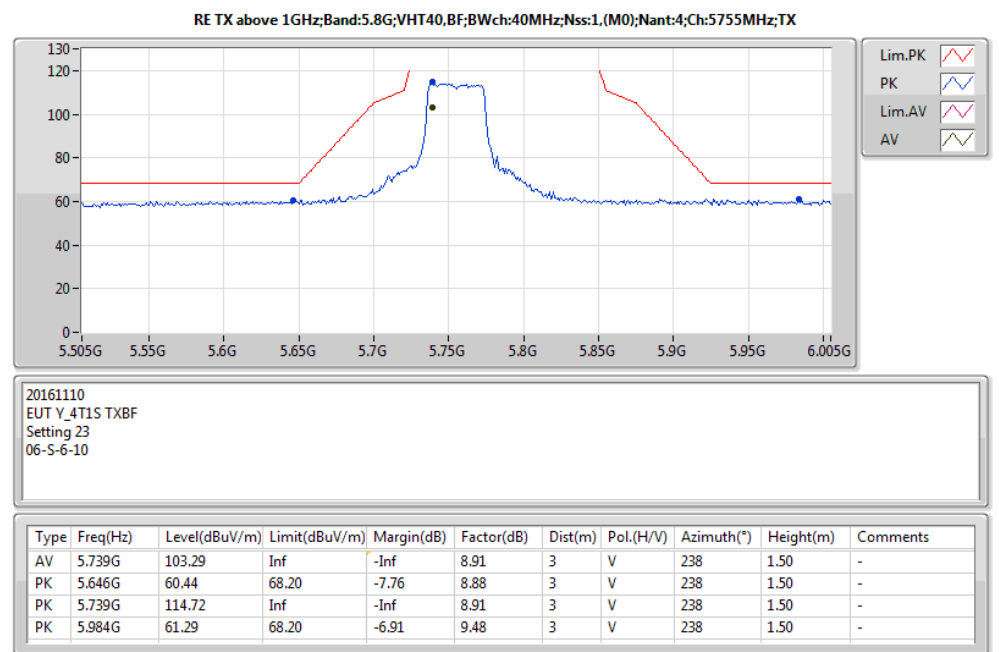
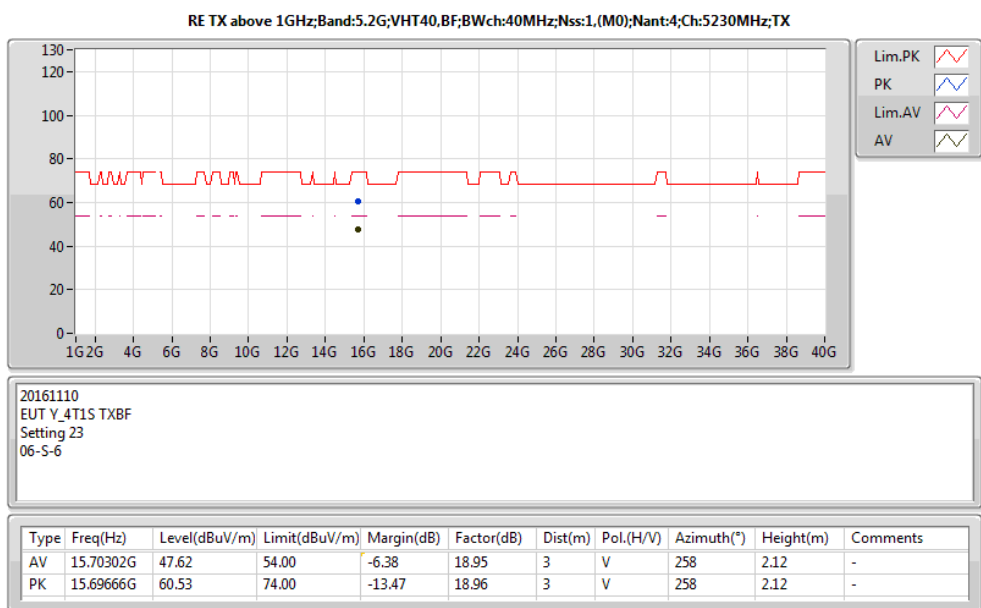
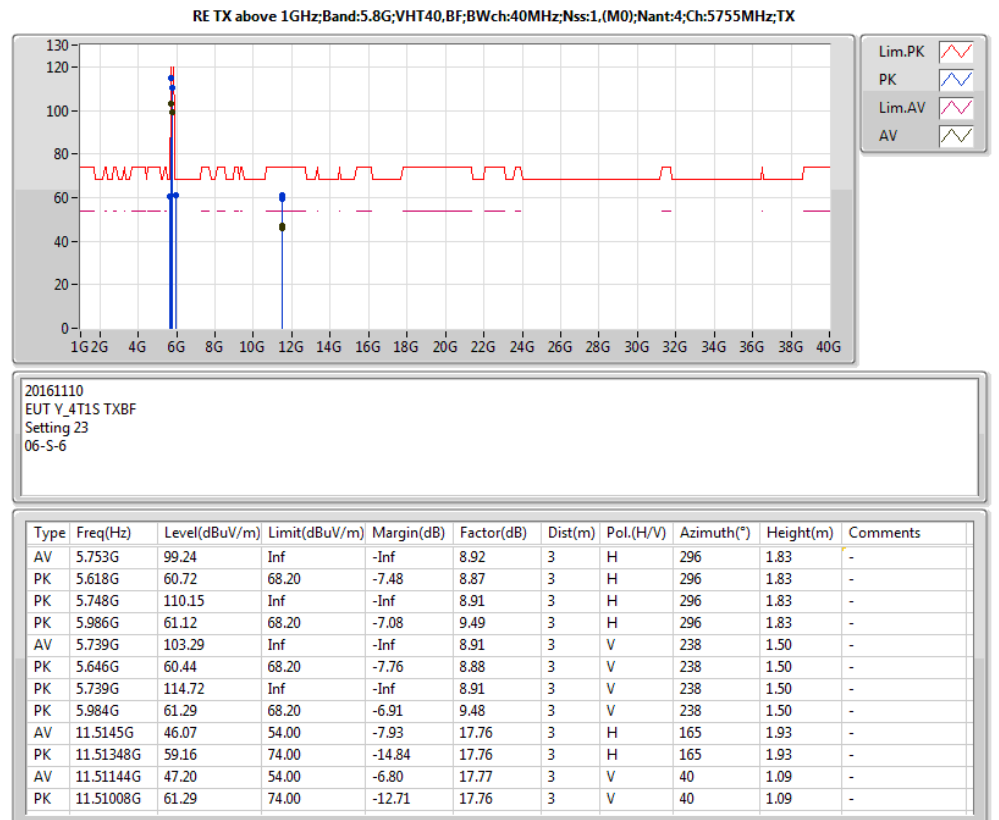
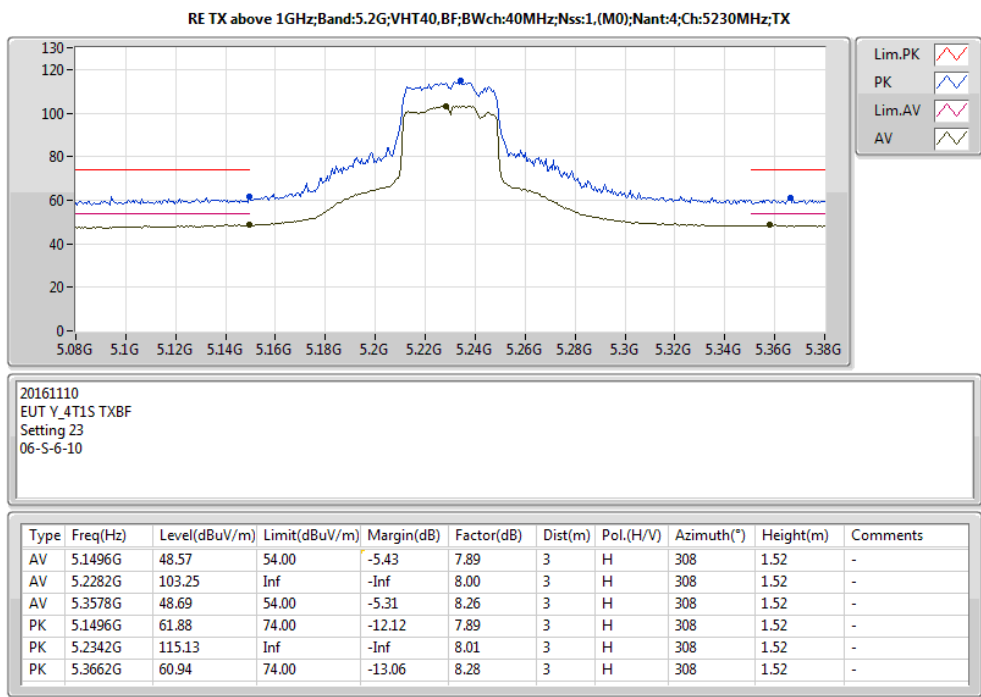
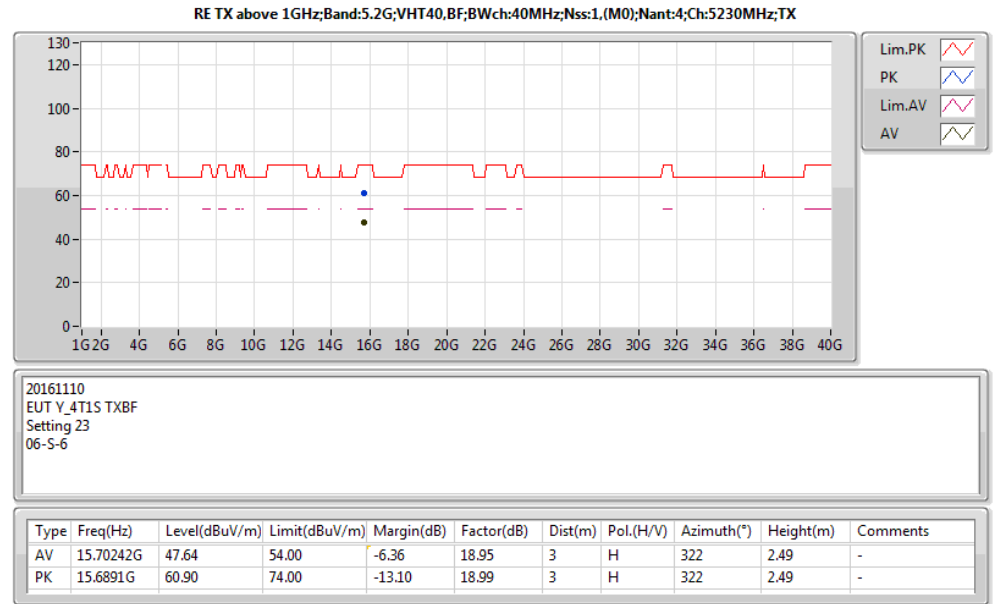
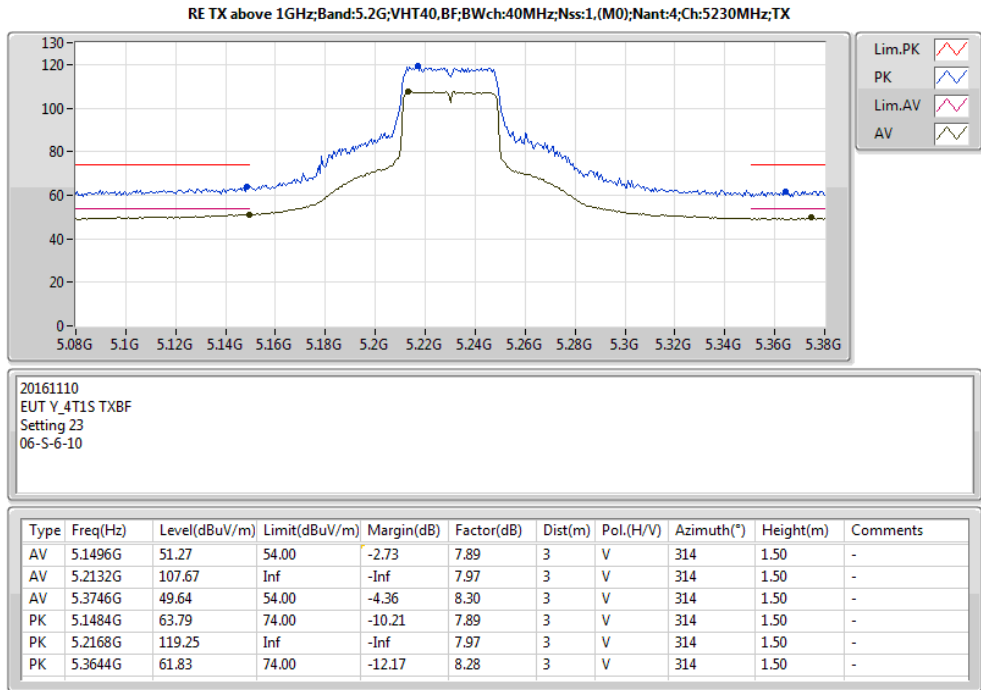
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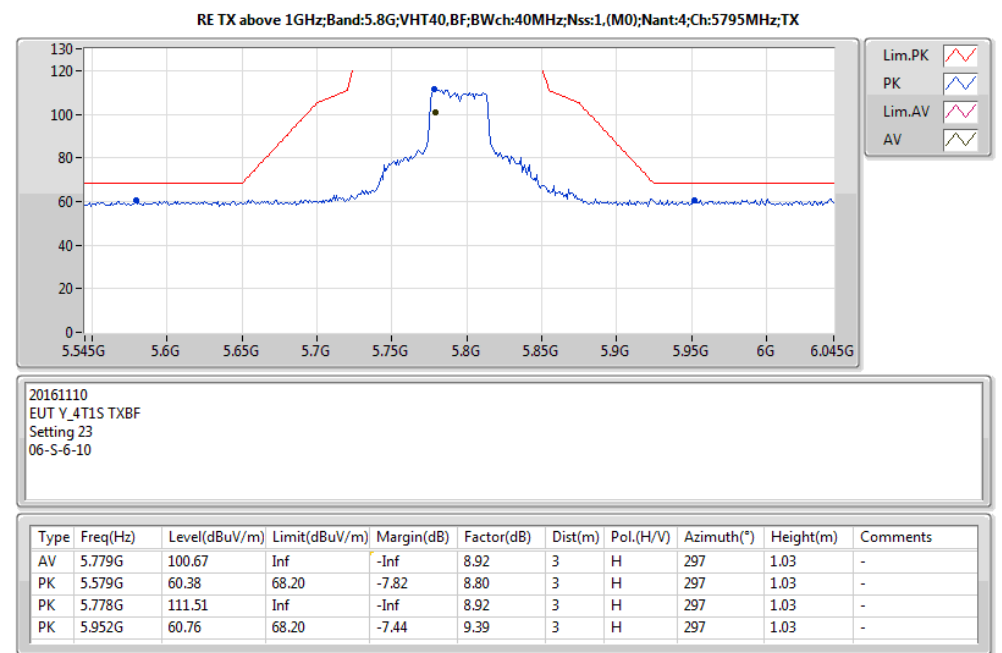
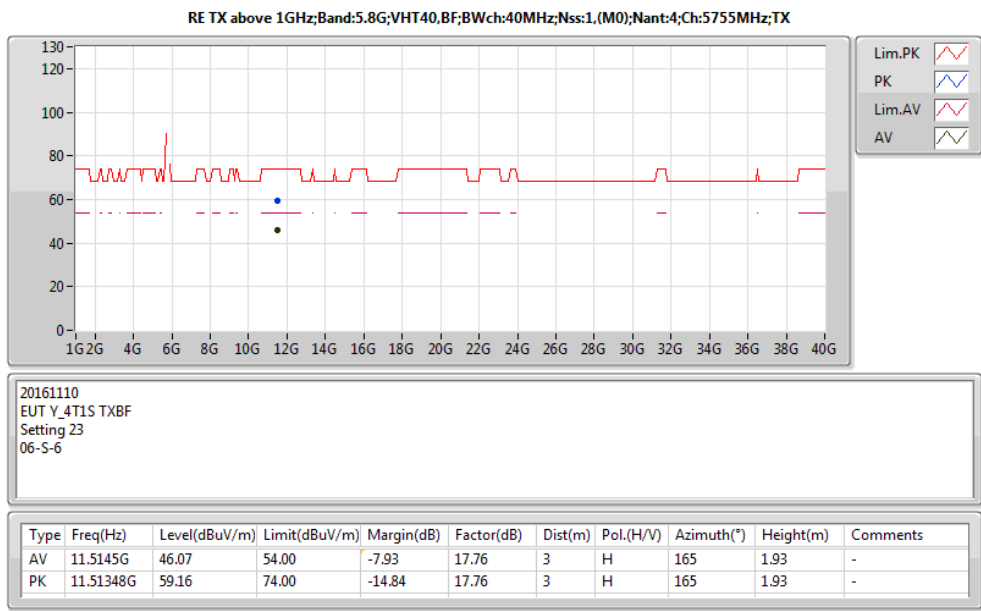
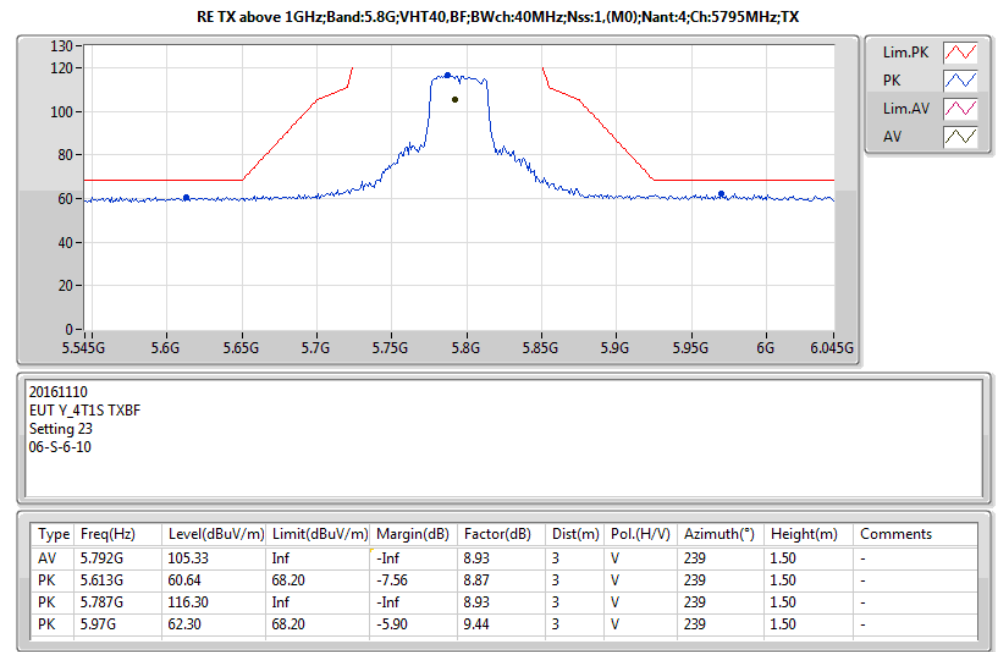
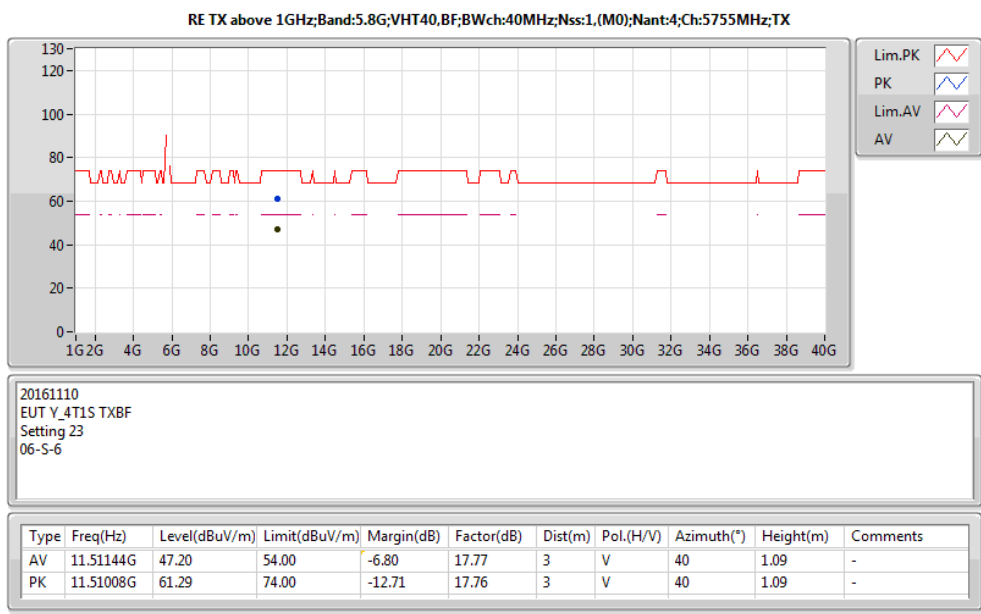
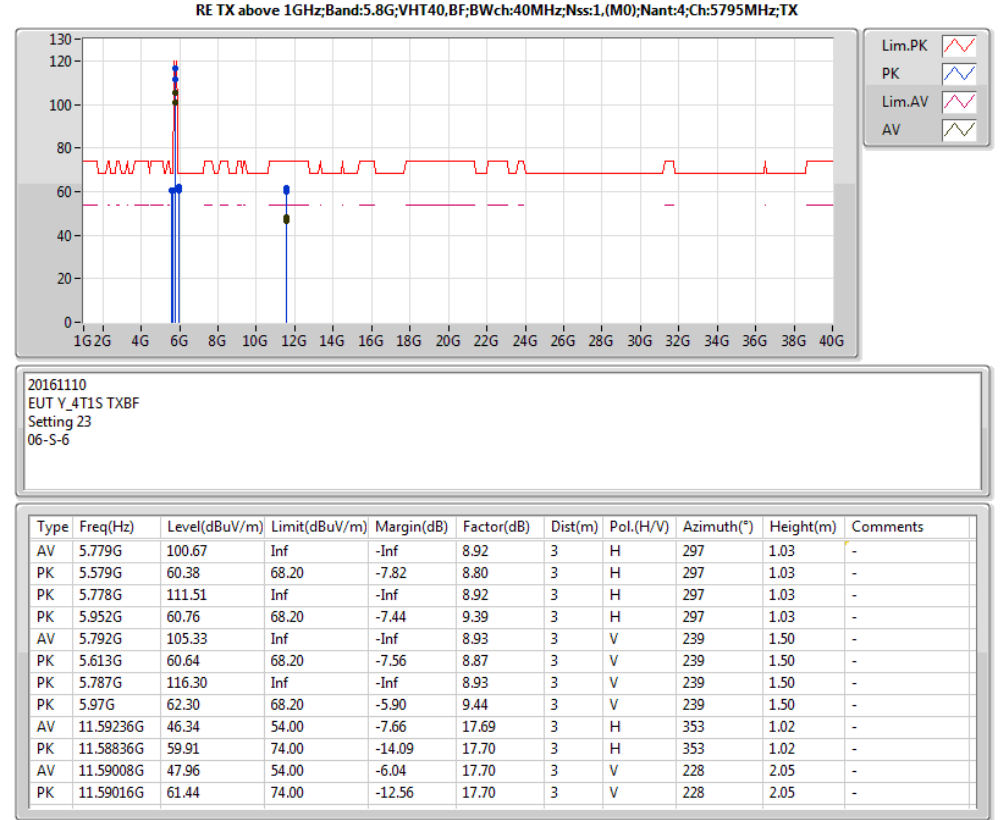
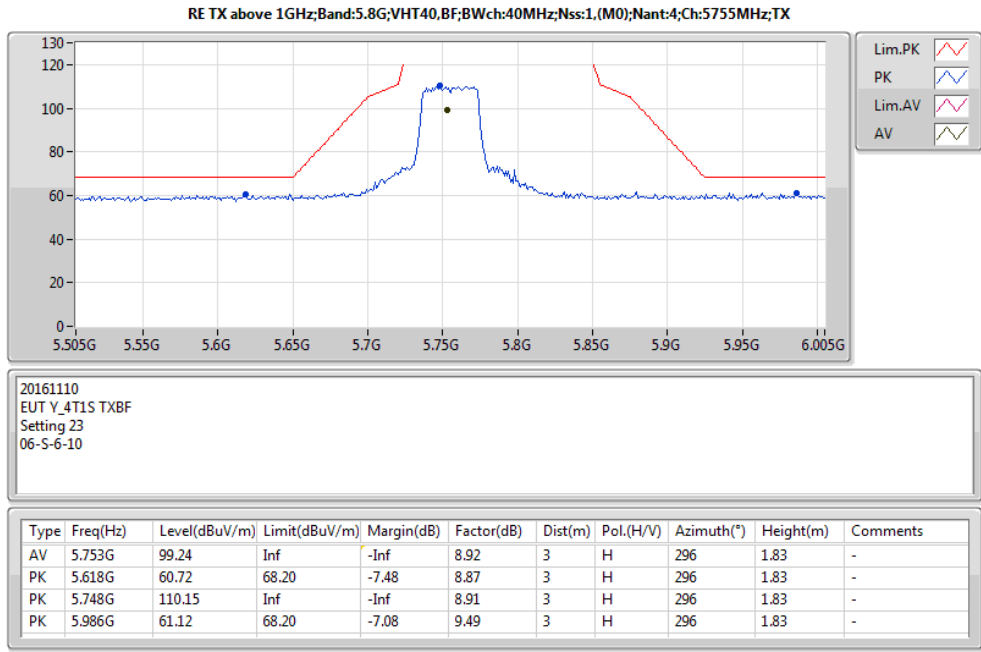
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(*)	Height(m)	Comments
AV	5.1498G	49.72	54.00	-4.28	7.89	3	H	311	2.52	-
AV	5.1744G	93.65	Inf	-Inf	7.92	3	H	311	2.52	-
PK	5.148G	62.87	74.00	-11.13	7.89	3	H	311	2.52	-
PK	5.1726G	105.40	Inf	-Inf	7.92	3	H	311	2.52	-

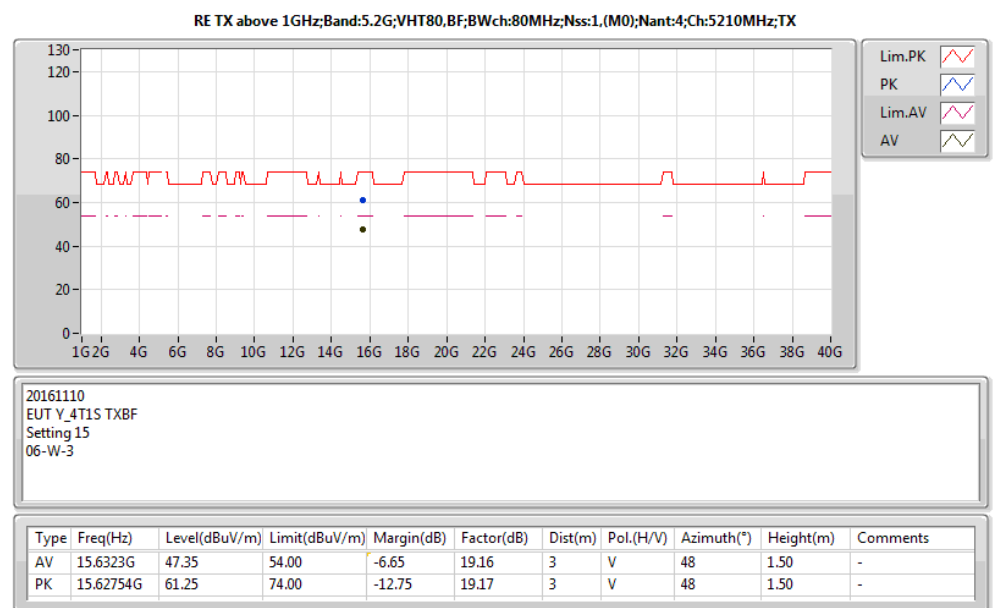
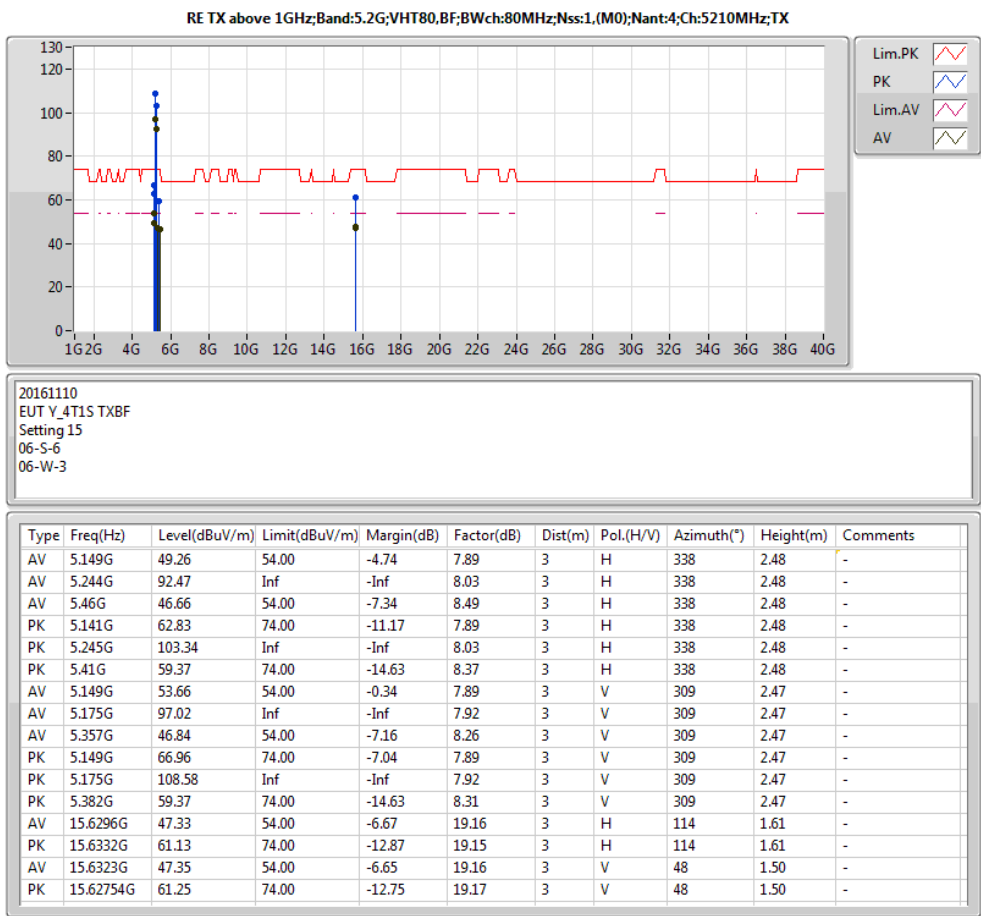
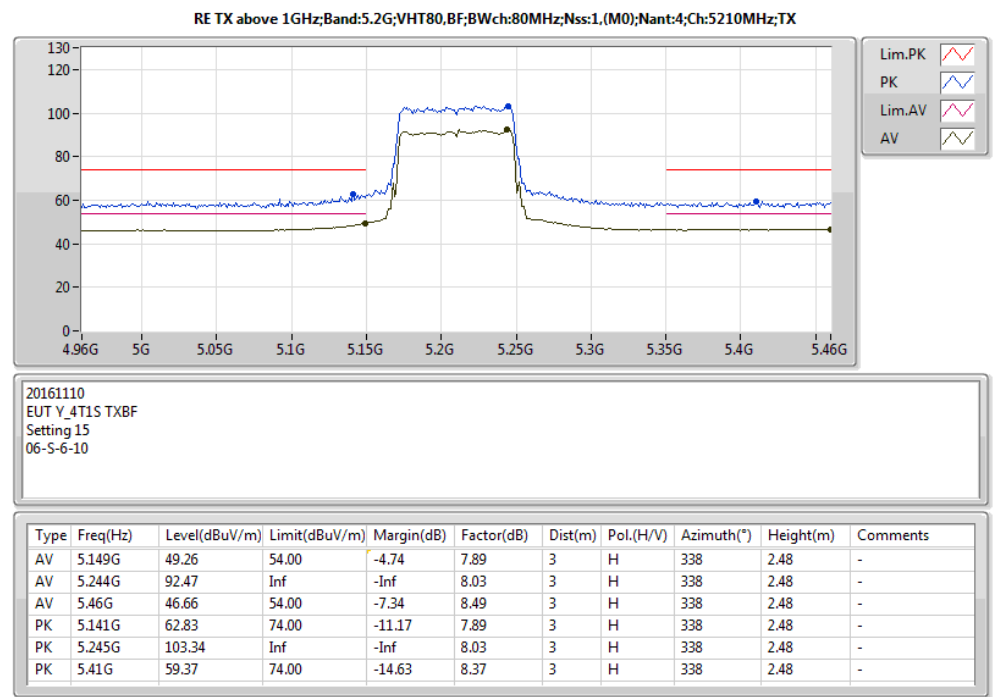
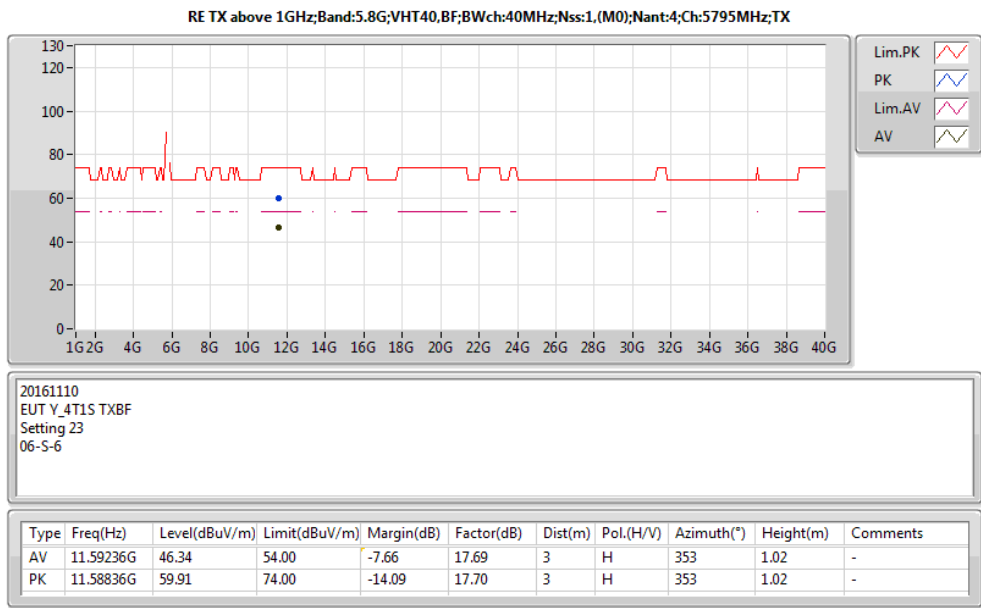
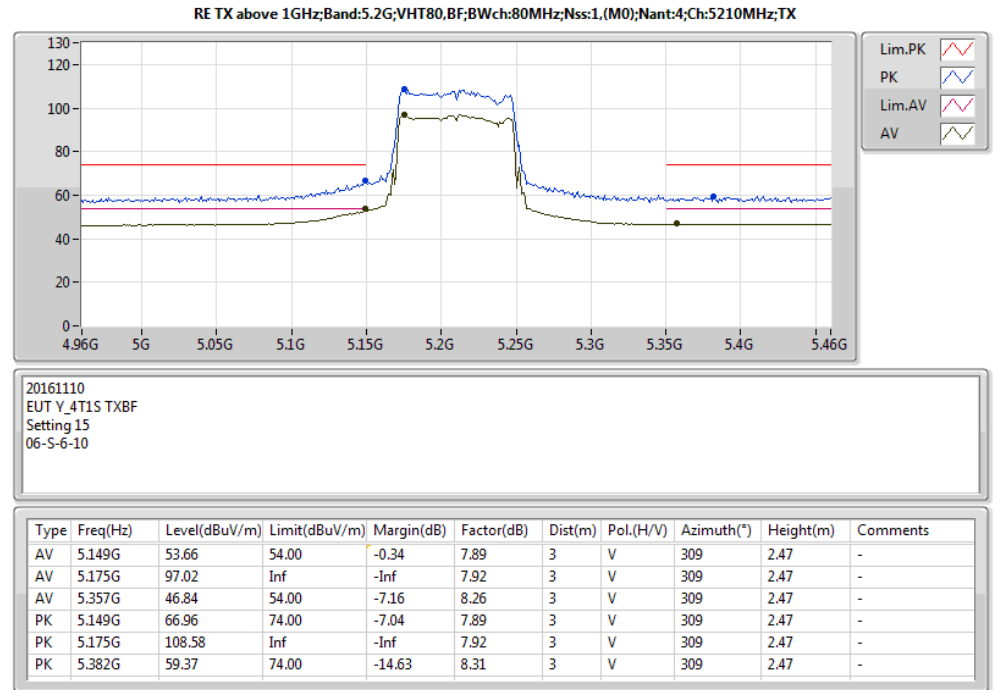
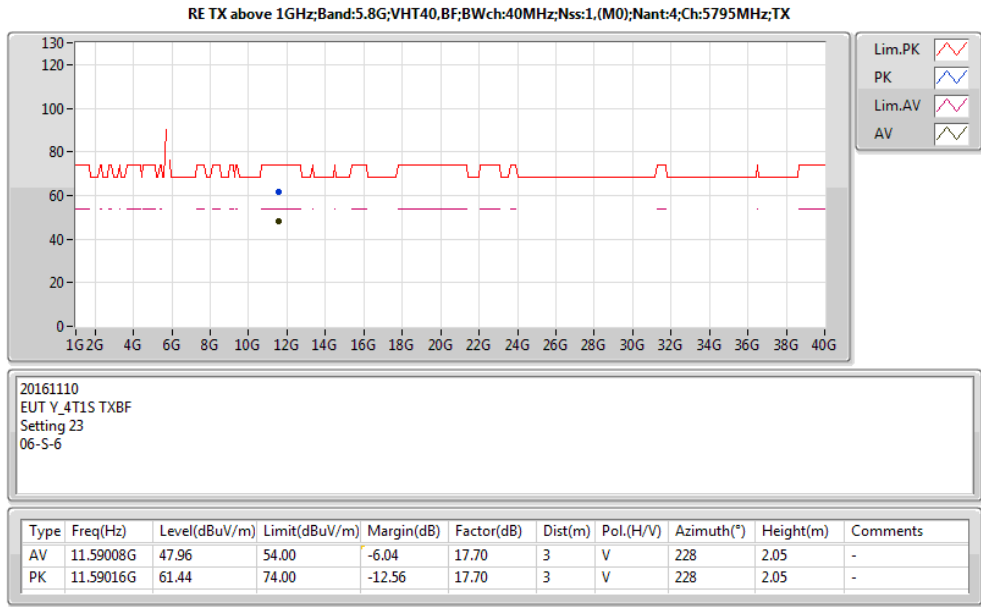


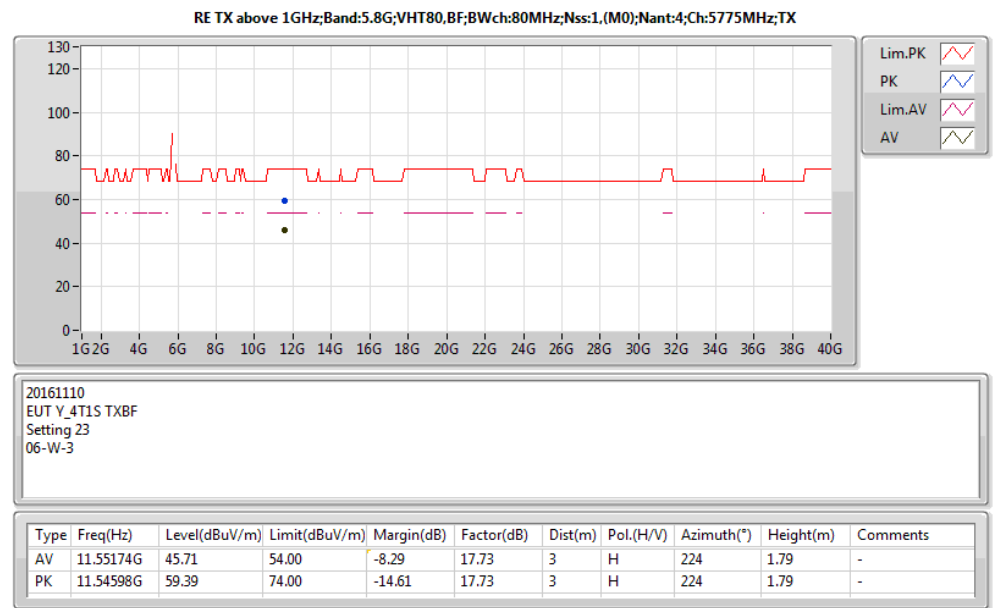
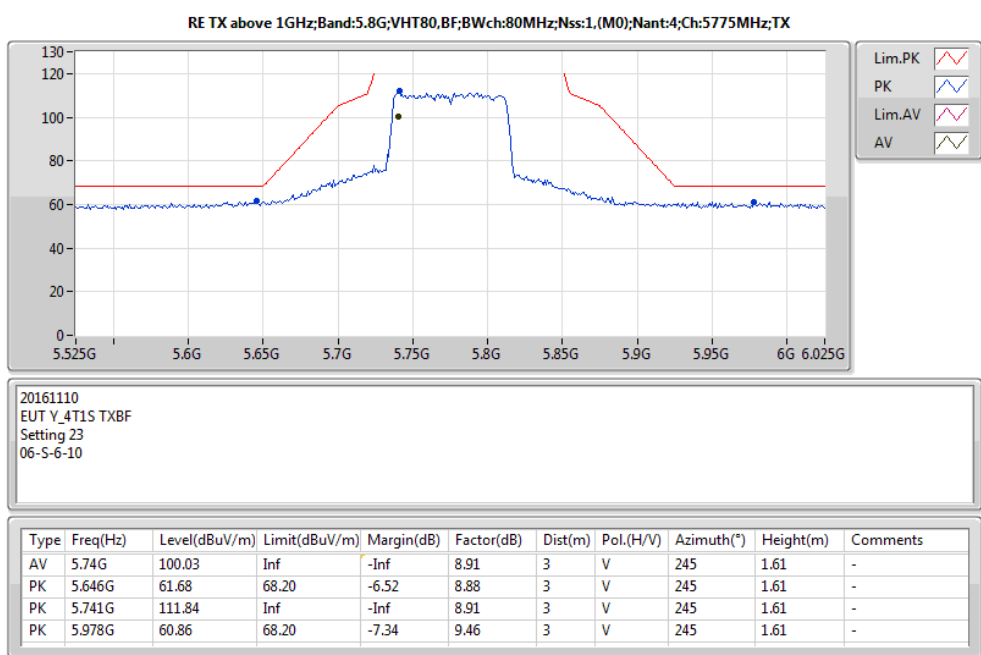
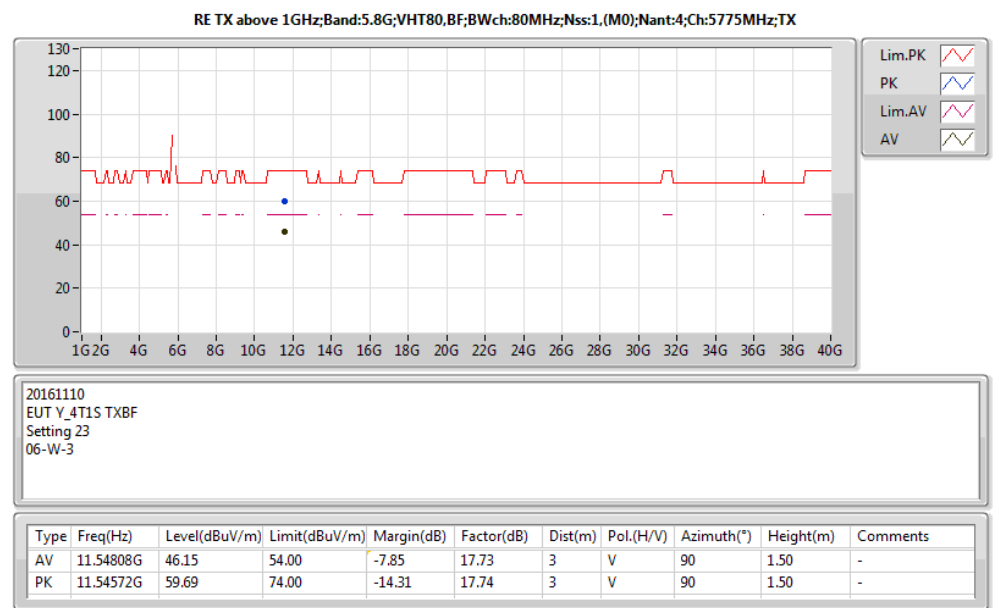
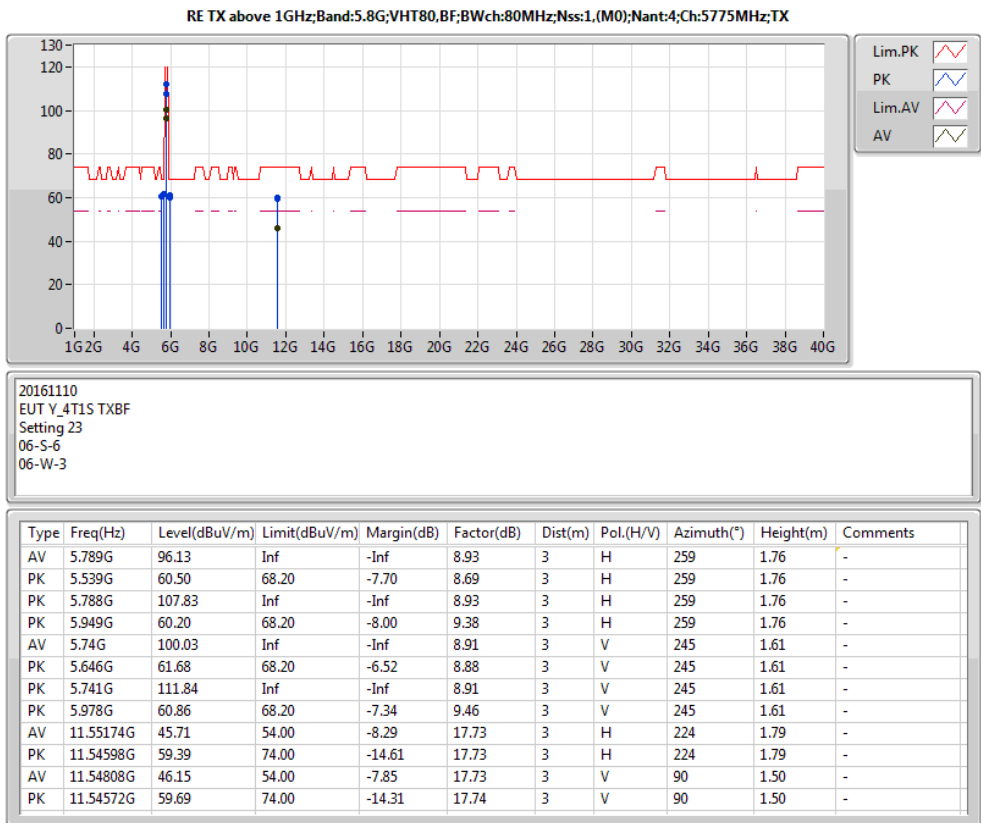
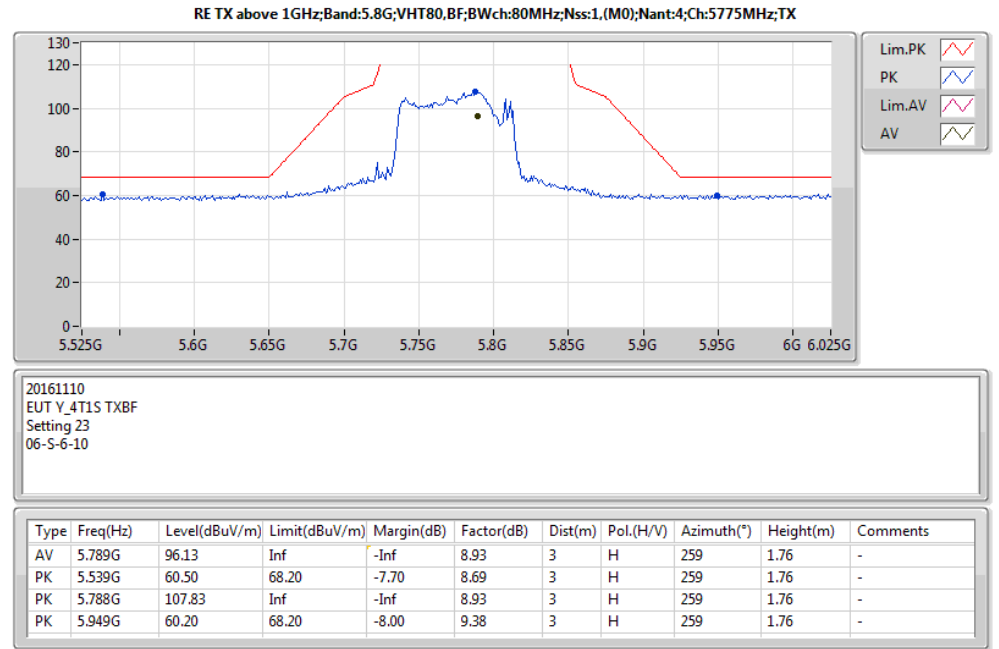
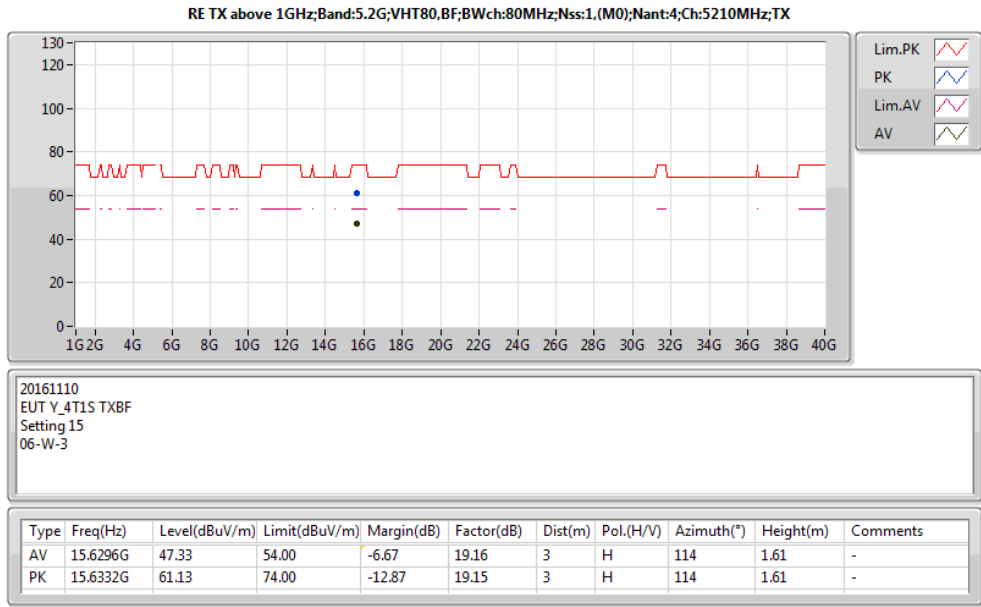
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Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(*)	Height(m)	Comments
AV	5.1496G	48.57	54.00	-5.43	7.89	3	H	308	1.52	-
AV	5.2282G	103.25	Inf	-Inf	8.00	3	H	308	1.52	-
AV	5.3578G	48.69	54.00	-5.31	8.26	3	H	308	1.52	-
PK	5.1496G	61.88	74.00	-12.12	7.89	3	H	308	1.52	-
PK	5.2342G	115.13	Inf	-Inf	8.01	3	H	308	1.52	-
PK	5.3662G	60.94	74.00	-13.06	8.28	3	H	308	1.52	-
AV	5.1496G	51.27	54.00	-2.73	7.89	3	V	314	1.50	-
AV	5.2132G	107.67	Inf	-Inf	7.97	3	V	314	1.50	-
AV	5.3746G	49.64	54.00	-4.36	8.30	3	V	314	1.50	-
PK	5.1484G	63.79	74.00	-10.21	7.89	3	V	314	1.50	-
PK	5.2168G	119.25	Inf	-Inf	7.97	3	V	314	1.50	-
PK	5.3644G	61.83	74.00	-12.17	8.28	3	V	314	1.50	-
AV	15.70242G	47.64	54.00	-6.36	18.95	3	H	322	2.49	-
PK	15.6891G	60.90	74.00	-13.10	18.99	3	H	322	2.49	-
AV	15.70302G	47.62	54.00	-6.38	18.95	3	V	258	2.12	-
PK	15.69666G	60.53	74.00	-13.47	18.96	3	V	258	2.12	-





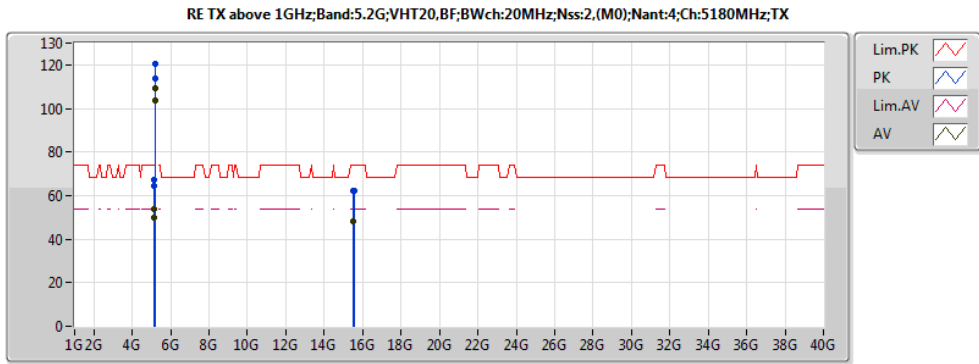






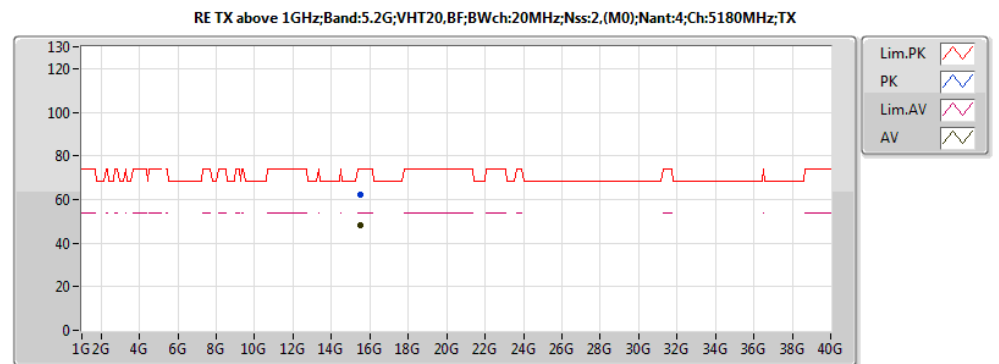
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
5.2G;VHT40,BF;Nss2,(M0);Ntx4;5190;TX	Pass	AV	5.1492G	53.87	54.00	-0.13	7.89	3	V	231	2.21	-



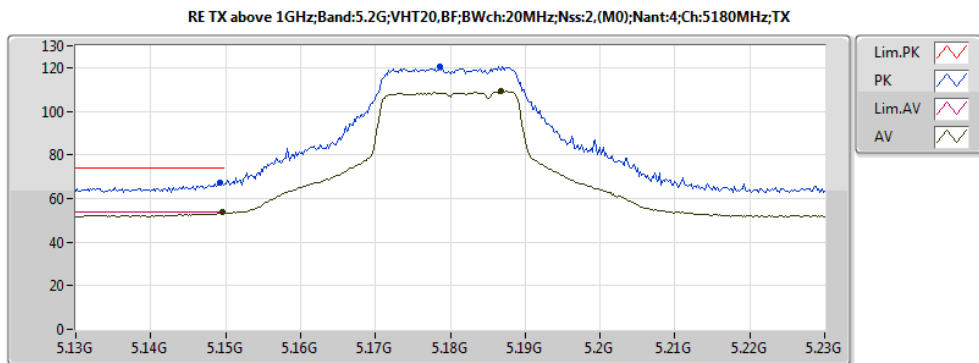
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Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(*)	Height(m)	Comments
AV	5.1498G	49.95	54.00	-4.05	7.89	3	H	210	1.42	-
AV	5.1778G	103.56	Inf	-Inf	7.92	3	H	210	1.42	-
PK	5.1496G	64.42	74.00	-9.58	7.89	3	H	210	1.42	-
PK	5.1772G	113.65	Inf	-Inf	7.92	3	H	210	1.42	-
AV	5.1496G	53.52	54.00	-0.48	7.89	3	V	223	2.17	-
AV	5.1868G	109.41	Inf	-Inf	7.93	3	V	223	2.17	-
PK	5.1492G	66.99	74.00	-7.01	7.89	3	V	223	2.17	-
PK	5.1786G	120.39	Inf	-Inf	7.92	3	V	223	2.17	-
AV	15.536G	48.03	54.00	-5.97	19.44	3	H	178	1.86	-
PK	15.54378G	62.36	74.00	-11.64	19.42	3	H	178	1.86	-
AV	15.5359G	48.27	54.00	-5.73	19.44	3	V	73	1.50	-
PK	15.53688G	62.18	74.00	-11.82	19.44	3	V	73	1.50	-



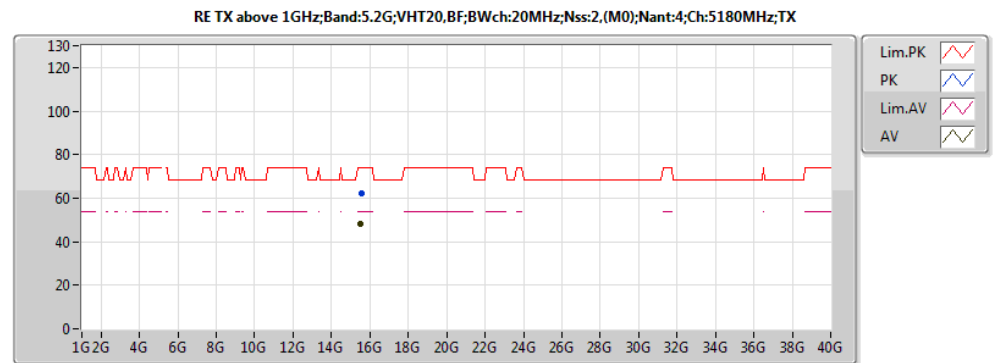
20161110
EUT_Y_4T2S_TXBF
Setting 23
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Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(*)	Height(m)	Comments
AV	15.5359G	48.27	54.00	-5.73	19.44	3	V	73	1.50	-
PK	15.53688G	62.18	74.00	-11.82	19.44	3	V	73	1.50	-



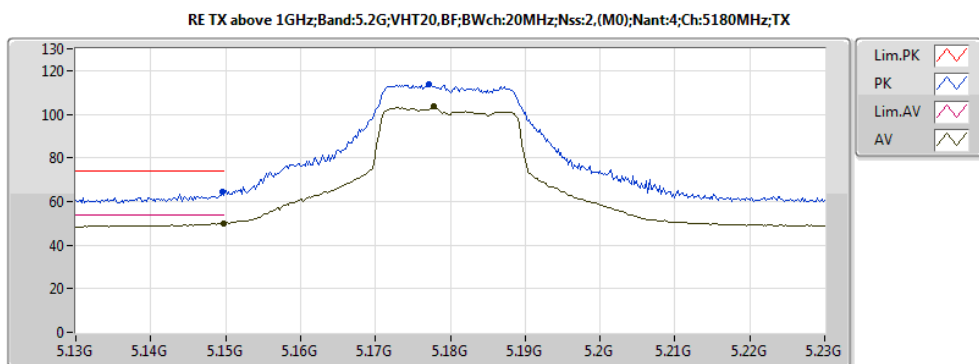
20161110
EUT_Y_4T2S_TXBF
Setting 23
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Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(*)	Height(m)	Comments
AV	5.1496G	53.52	54.00	-0.48	7.89	3	V	223	2.17	-
AV	5.1868G	109.41	Inf	-Inf	7.93	3	V	223	2.17	-
PK	5.1492G	66.99	74.00	-7.01	7.89	3	V	223	2.17	-
PK	5.1786G	120.39	Inf	-Inf	7.92	3	V	223	2.17	-



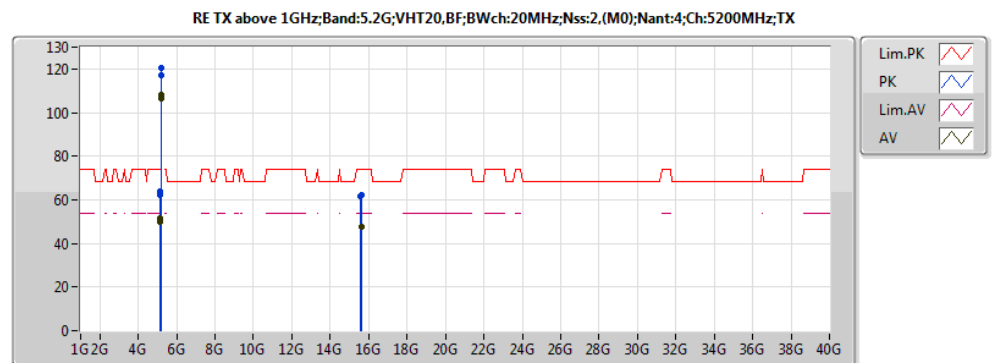
20161110
EUT_Y_4T2S_TXBF
Setting 23
06-W-3

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(*)	Height(m)	Comments
AV	15.536G	48.03	54.00	-5.97	19.44	3	H	178	1.86	-
PK	15.54378G	62.36	74.00	-11.64	19.42	3	H	178	1.86	-



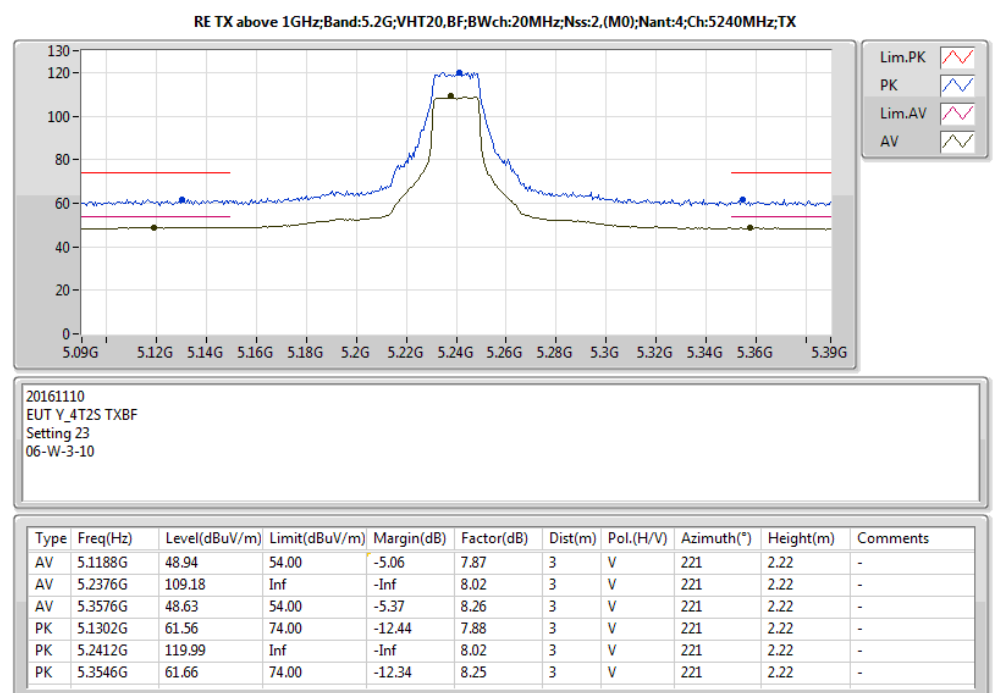
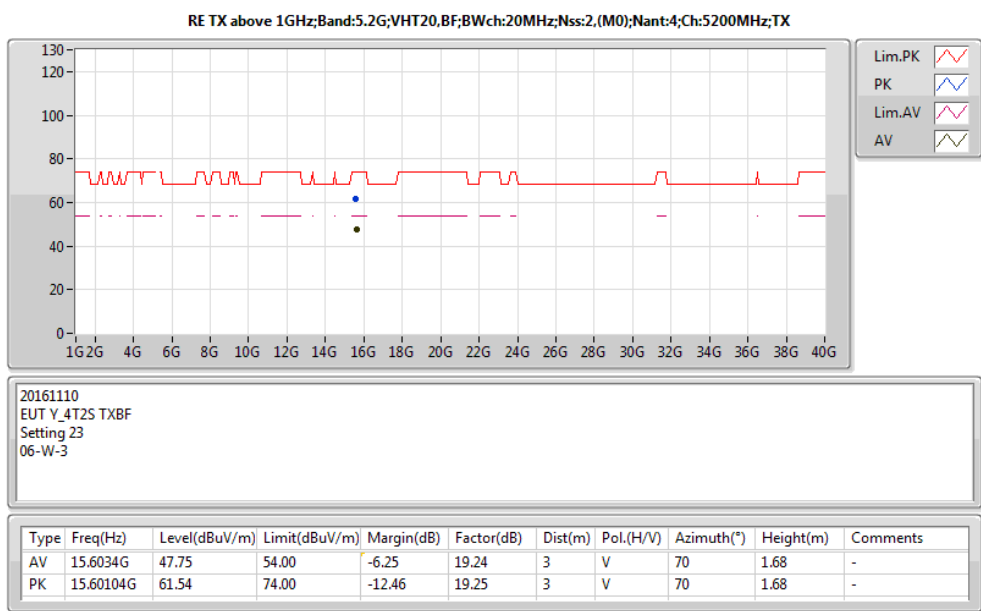
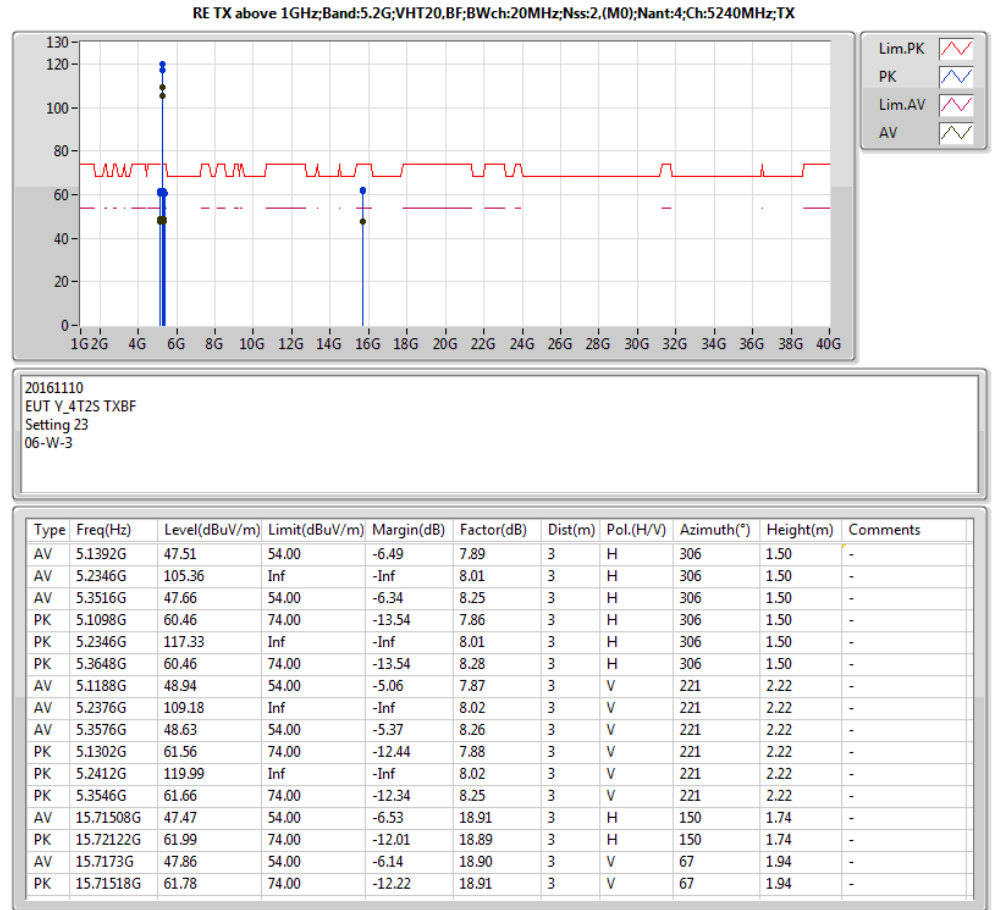
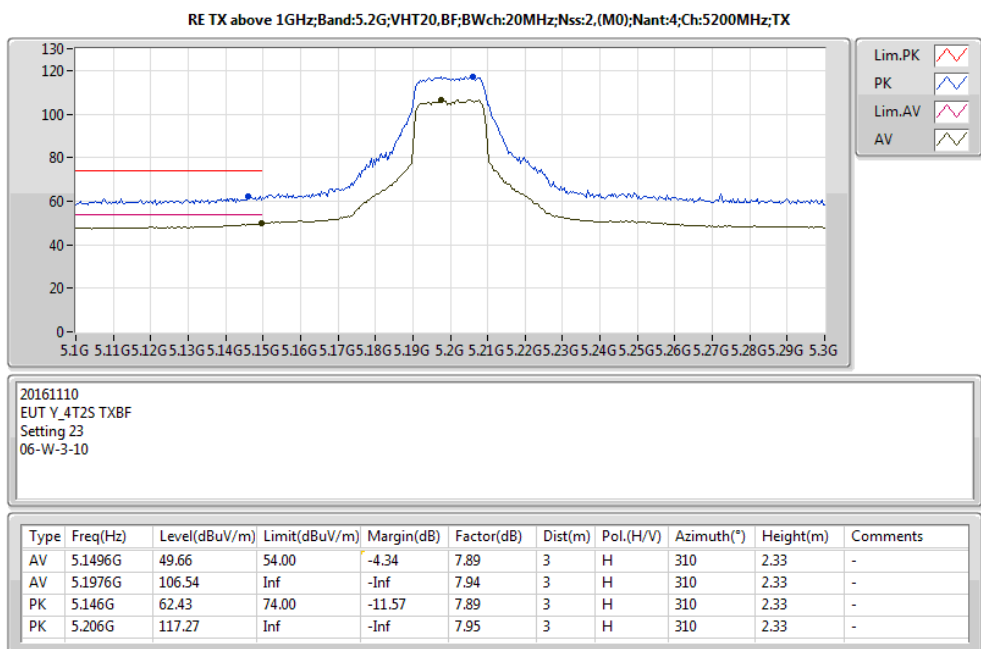
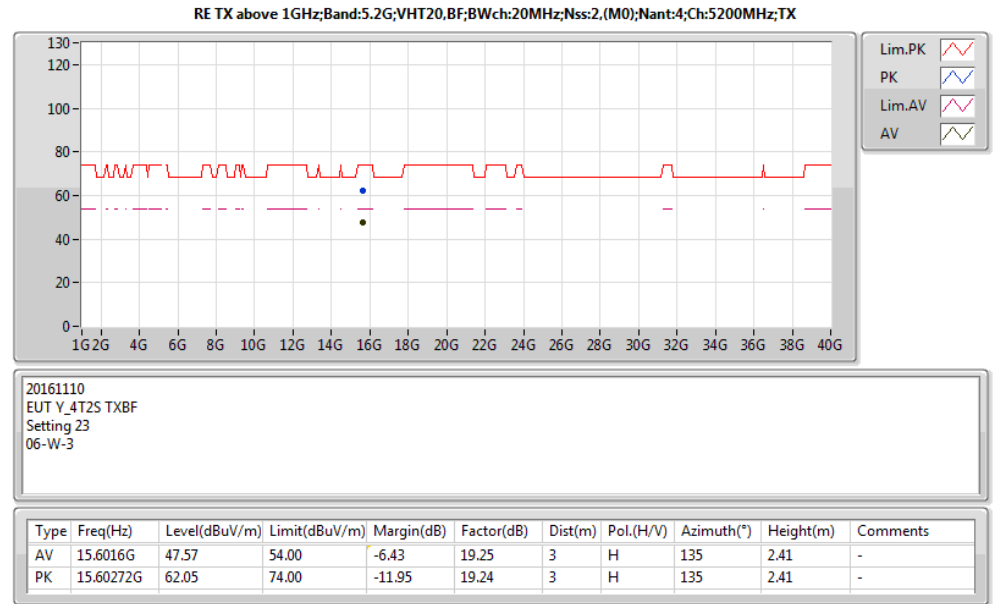
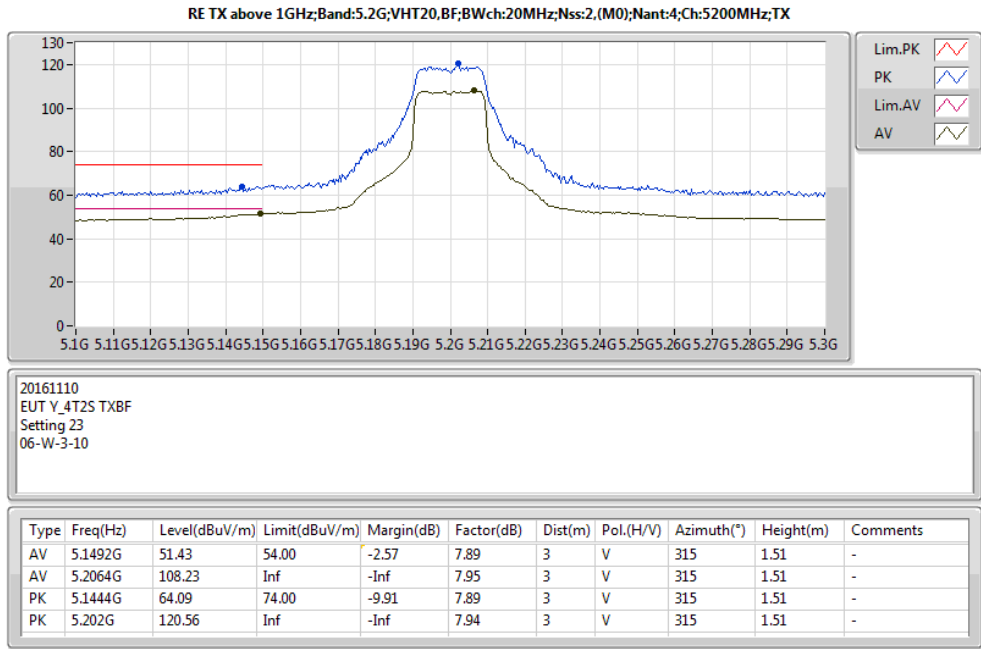
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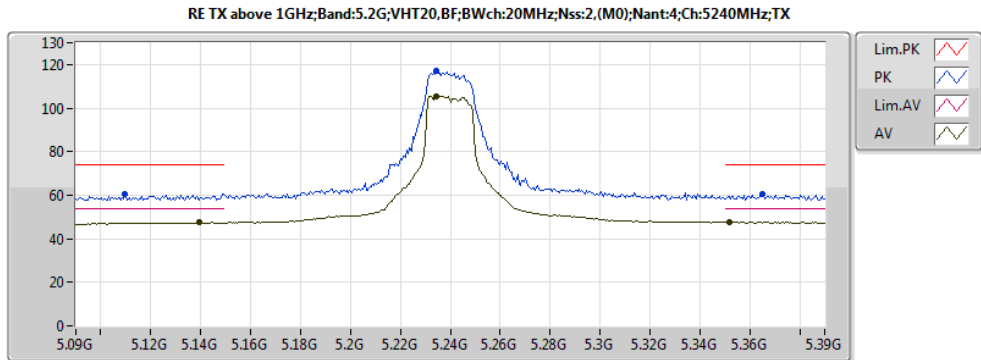
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(*)	Height(m)	Comments
AV	5.1498G	49.95	54.00	-4.05	7.89	3	H	210	1.42	-
AV	5.1778G	103.56	Inf	-Inf	7.92	3	H	210	1.42	-
PK	5.1496G	64.42	74.00	-9.58	7.89	3	H	210	1.42	-
PK	5.1772G	113.65	Inf	-Inf	7.92	3	H	210	1.42	-



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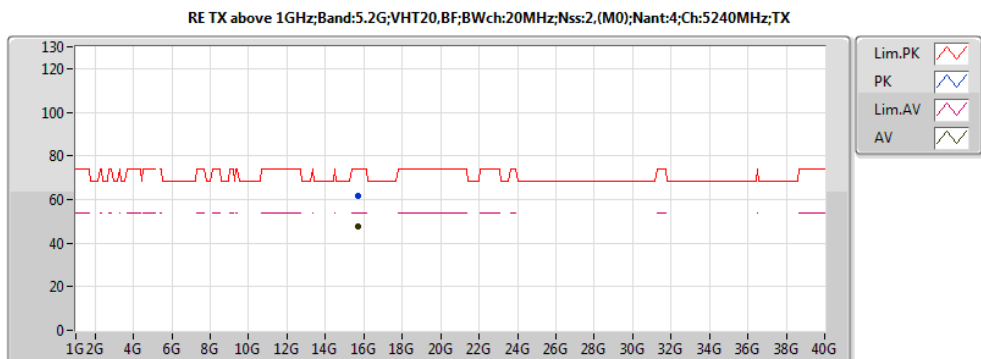
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(*)	Height(m)	Comments
AV	5.1496G	49.66	54.00	-4.34	7.89	3	H	310	2.33	-
AV	5.1976G	106.54	Inf	-Inf	7.94	3	H	310	2.33	-
PK	5.146G	62.43	74.00	-11.57	7.89	3	H	310	2.33	-
PK	5.206G	117.27	Inf	-Inf	7.95	3	H	310	2.33	-
AV	5.1492G	51.43	54.00	-2.57	7.89	3	V	315	1.51	-
AV	5.2064G	108.23	Inf	-Inf	7.95	3	V	315	1.51	-
PK	5.1444G	64.09	74.00	-9.91	7.89	3	V	315	1.51	-
PK	5.202G	120.56	Inf	-Inf	7.94	3	V	315	1.51	-
AV	15.6016G	47.57	54.00	-6.43	19.25	3	H	135	2.41	-
PK	15.60272G	62.05	74.00	-11.95	19.24	3	H	135	2.41	-
AV	15.6034G	47.75	54.00	-6.25	19.24	3	V	70	1.68	-
PK	15.60104G	61.54	74.00	-12.46	19.25	3	V	70	1.68	-





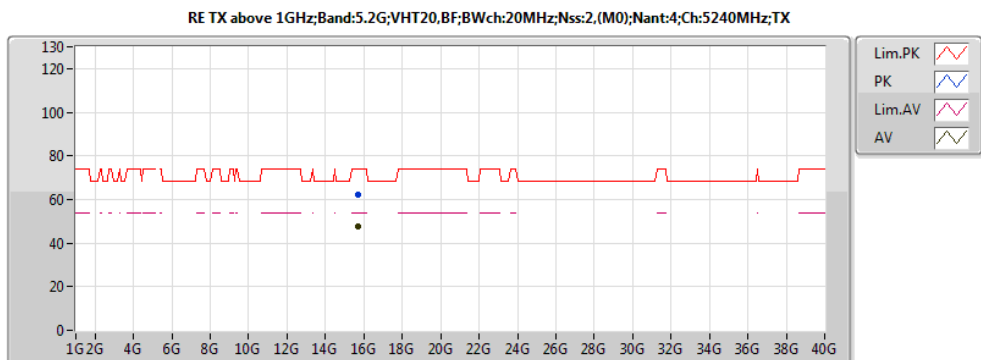
20161110
EUT_Y_4T2S TXBF
Setting 23
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Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1392G	47.51	54.00	-6.49	7.89	3	H	306	1.50	-
AV	5.2346G	105.36	Inf	-Inf	8.01	3	H	306	1.50	-
AV	5.3516G	47.66	54.00	-6.34	8.25	3	H	306	1.50	-
PK	5.1098G	60.46	74.00	-13.54	7.86	3	H	306	1.50	-
PK	5.2346G	117.33	Inf	-Inf	8.01	3	H	306	1.50	-
PK	5.3648G	60.46	74.00	-13.54	8.28	3	H	306	1.50	-



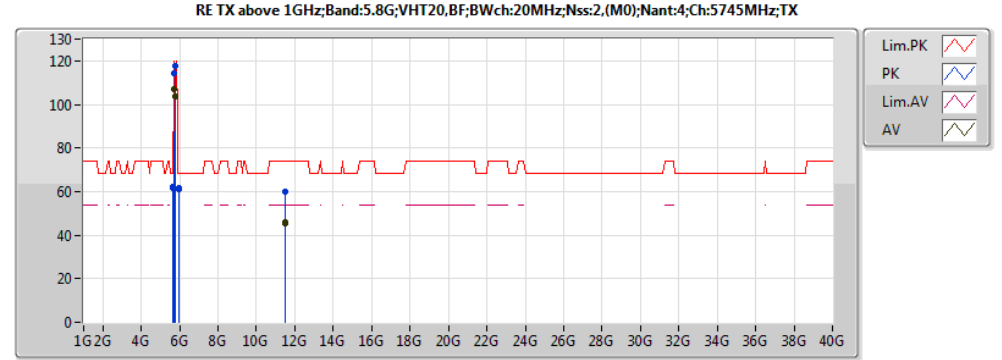
20161110
EUT_Y_4T2S TXBF
Setting 23
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Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.7173G	47.86	54.00	-6.14	18.90	3	V	67	1.94	-
PK	15.71518G	61.78	74.00	-12.22	18.91	3	V	67	1.94	-



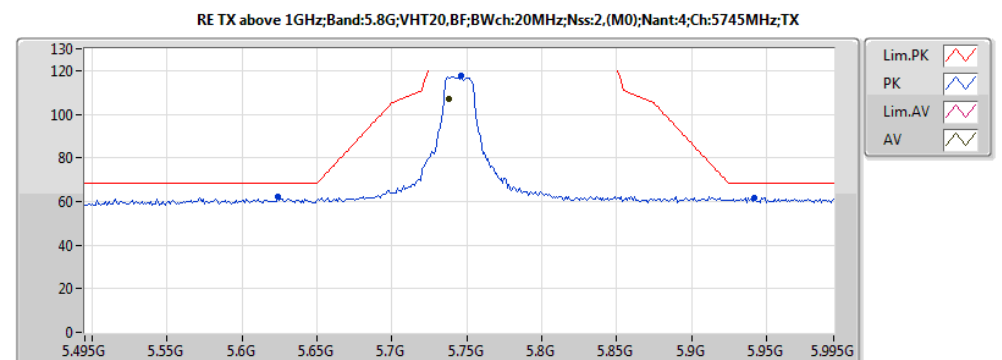
20161110
EUT_Y_4T2S TXBF
Setting 23
06-W-3

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.71508G	47.47	54.00	-6.53	18.91	3	H	150	1.74	-
PK	15.72122G	61.99	74.00	-12.01	18.89	3	H	150	1.74	-



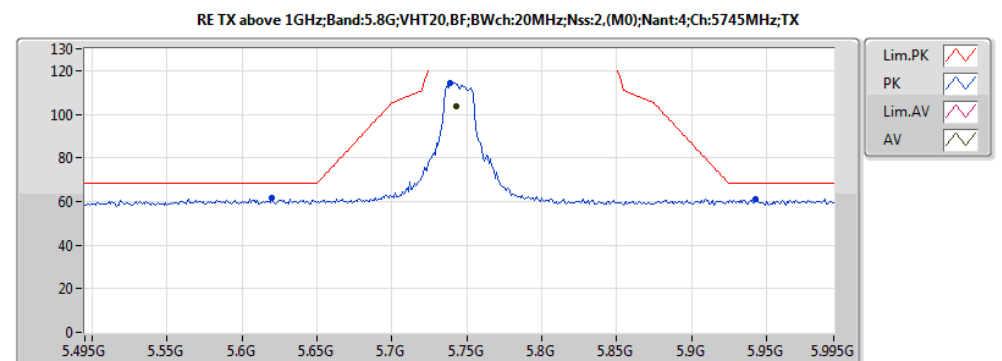
20161110
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Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.743G	103.60	Inf	-Inf	8.91	3	H	316	1.02	-
PK	5.62G	61.44	68.20	-6.76	8.87	3	H	316	1.02	-
PK	5.739G	114.23	Inf	-Inf	8.91	3	H	316	1.02	-
PK	5.943G	61.05	68.20	-7.15	9.36	3	H	316	1.02	-
AV	5.738G	107.02	Inf	-Inf	8.91	3	V	237	1.50	-
PK	5.624G	62.03	68.20	-6.17	8.87	3	V	237	1.50	-
PK	5.746G	117.85	Inf	-Inf	8.91	3	V	237	1.50	-
PK	5.942G	61.73	68.20	-6.47	9.36	3	V	237	1.50	-
AV	11.48696G	45.68	54.00	-8.32	17.79	3	H	200	1.39	-
PK	11.49454G	60.09	74.00	-13.91	17.78	3	H	200	1.39	-
AV	11.48858G	45.66	54.00	-8.34	17.78	3	V	117	1.52	-
PK	11.4943G	59.73	74.00	-14.27	17.78	3	V	117	1.52	-



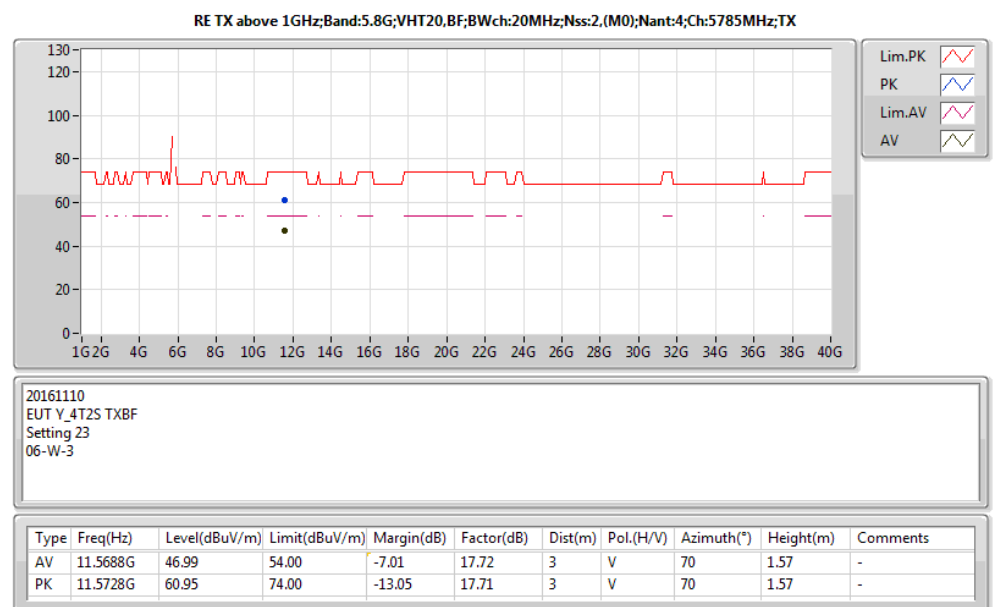
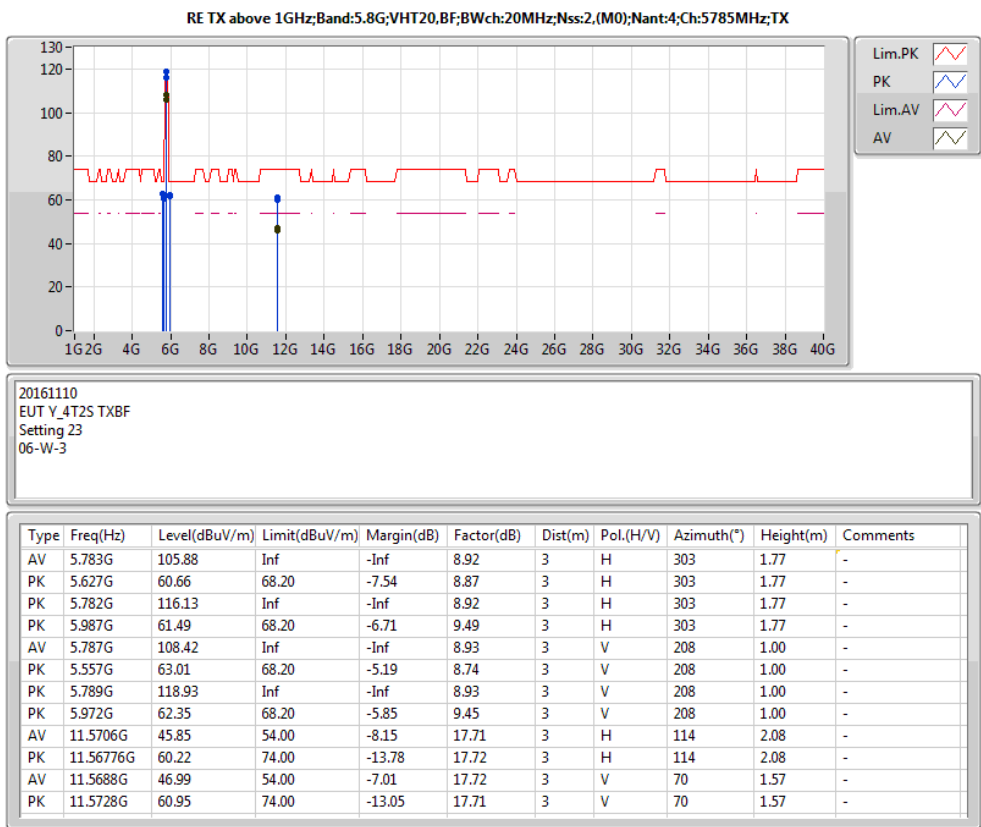
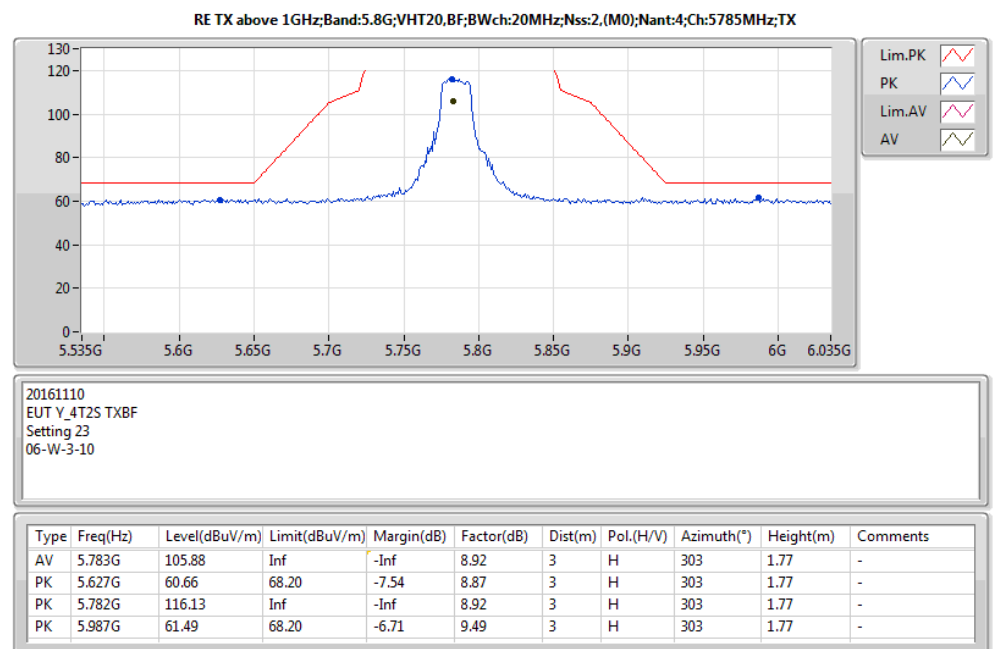
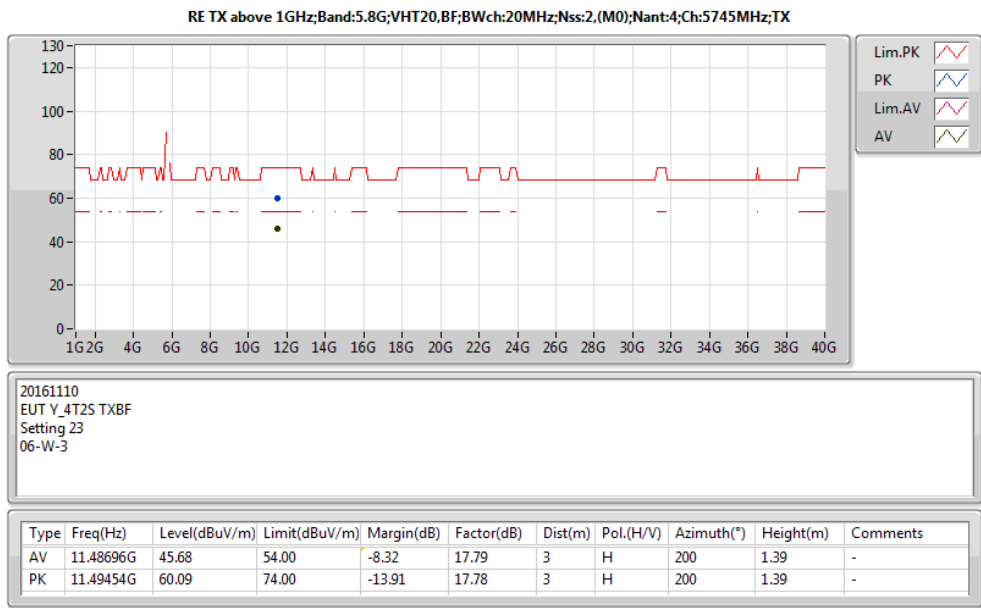
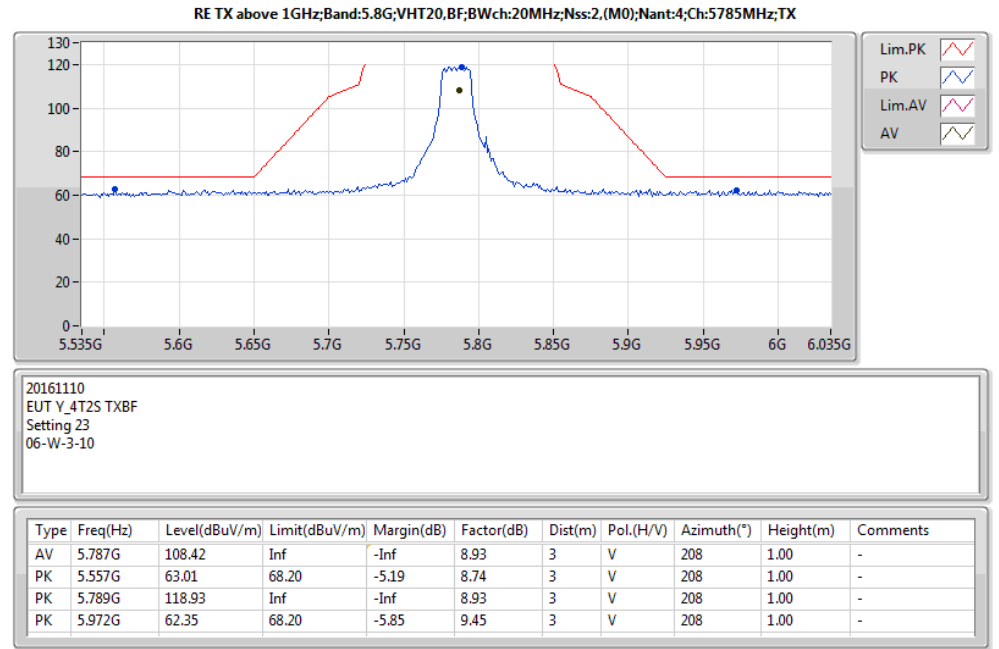
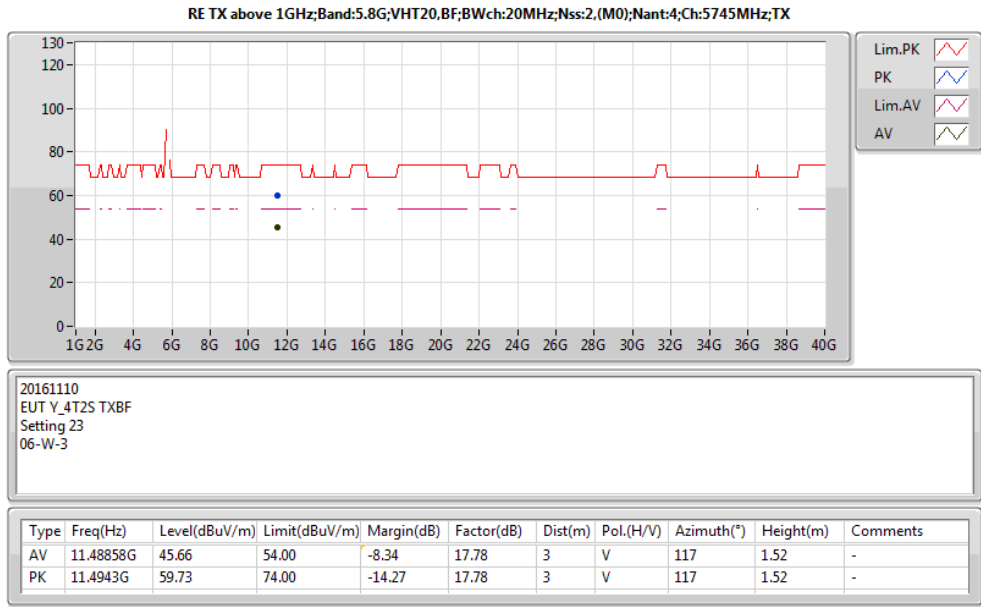
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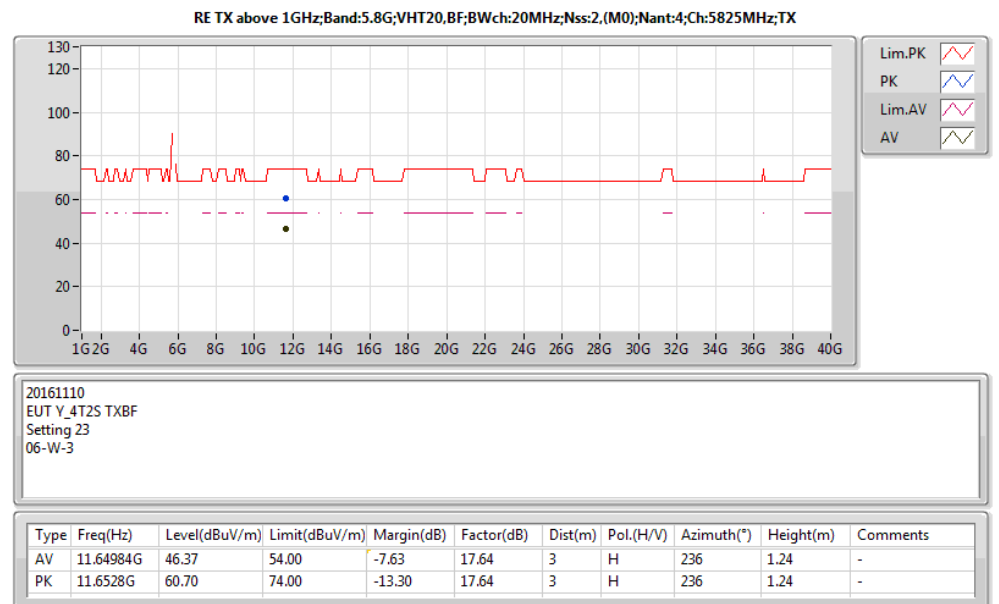
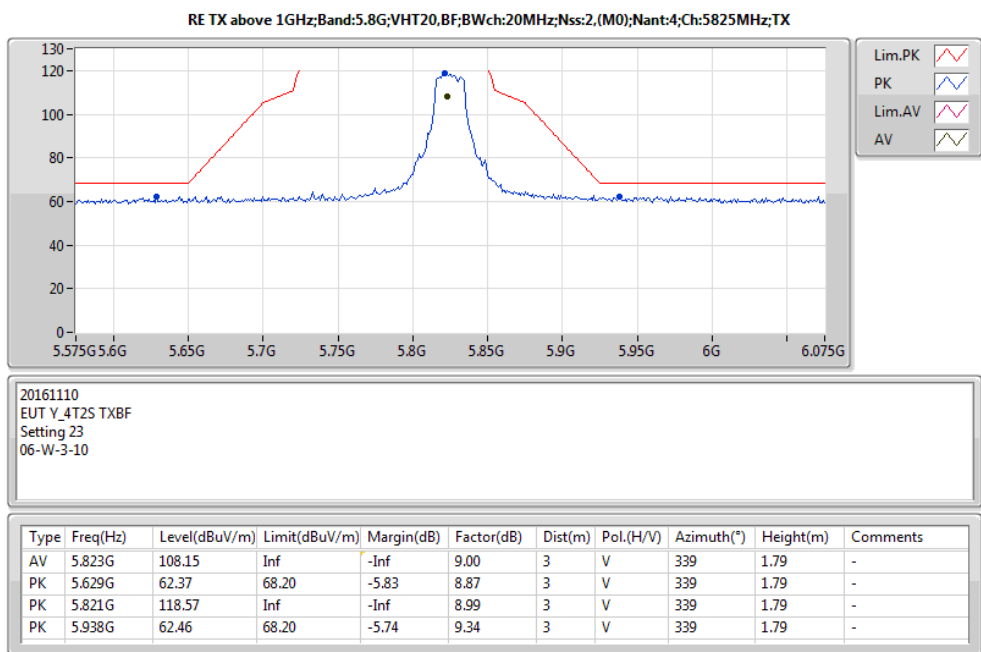
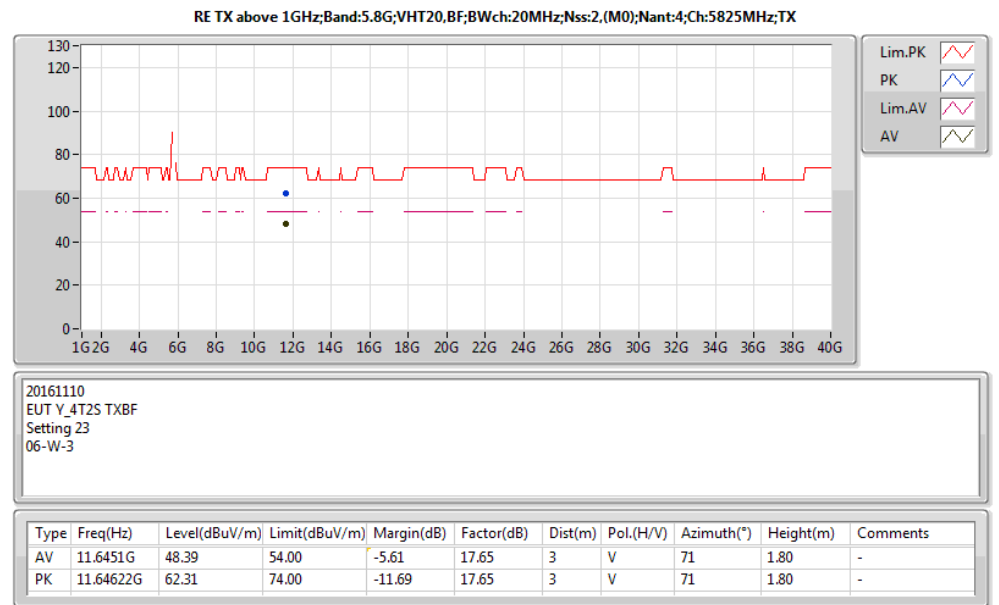
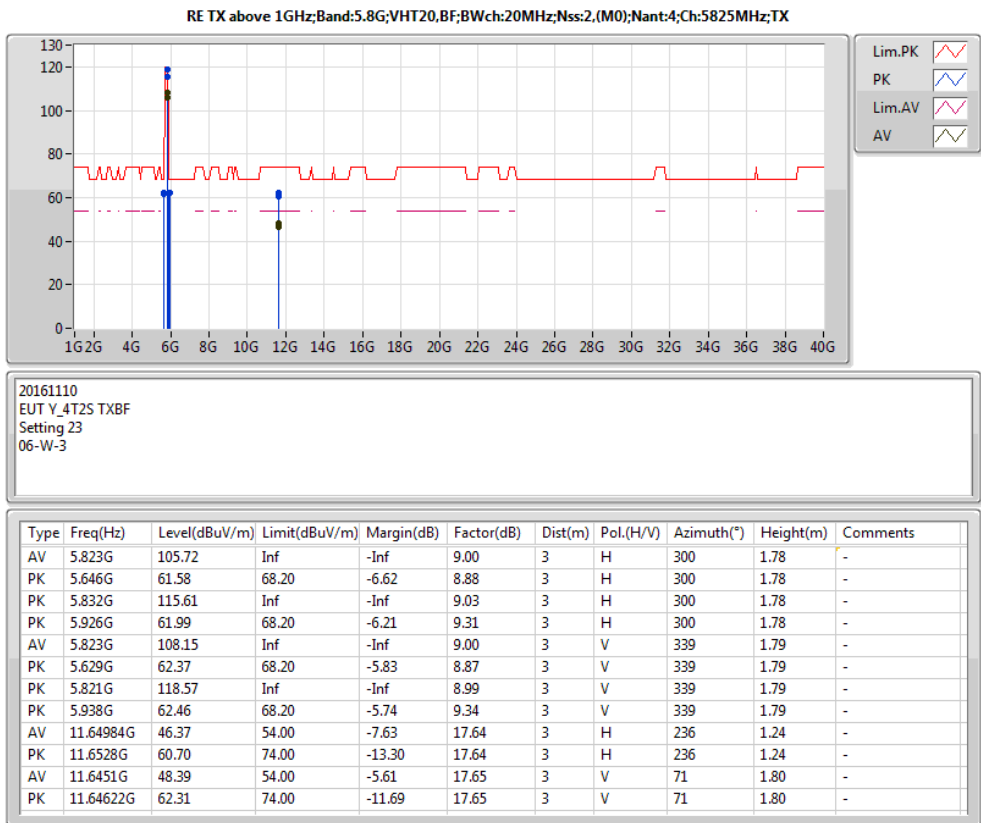
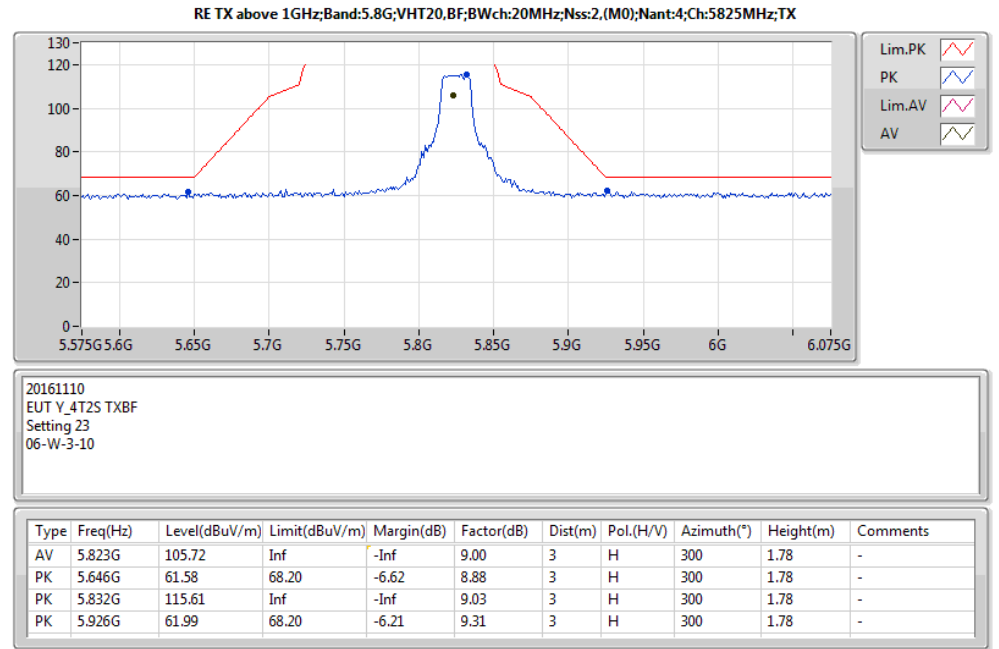
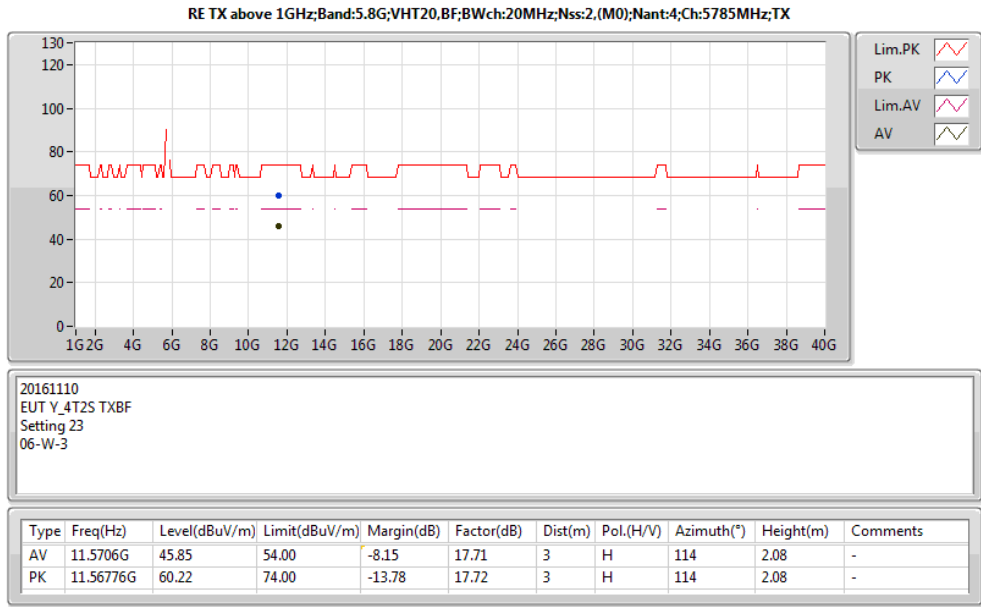
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.738G	107.02	Inf	-Inf	8.91	3	V	237	1.50	-
PK	5.624G	62.03	68.20	-6.17	8.87	3	V	237	1.50	-
PK	5.746G	117.85	Inf	-Inf	8.91	3	V	237	1.50	-
PK	5.942G	61.73	68.20	-6.47	9.36	3	V	237	1.50	-

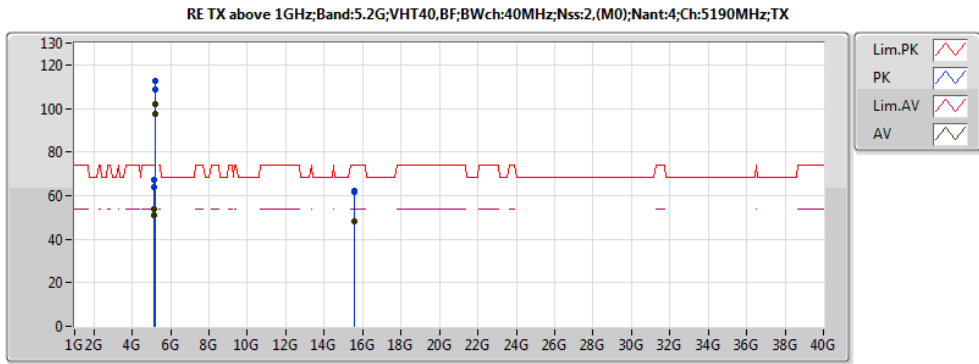


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EUT_Y_4T2S TXBF
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Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.743G	103.60	Inf	-Inf	8.91	3	H	316	1.02	-
PK	5.62G	61.44	68.20	-6.76	8.87	3	H	316	1.02	-
PK	5.739G	114.23	Inf	-Inf	8.91	3	H	316	1.02	-
PK	5.943G	61.05	68.20	-7.15	9.36	3	H	316	1.02	-

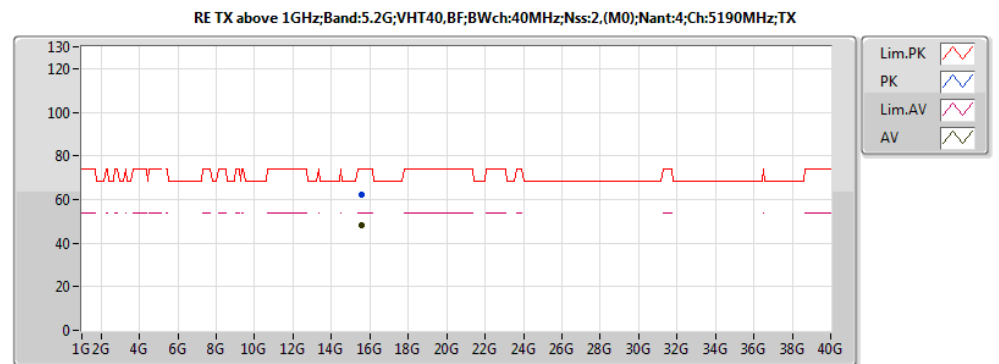






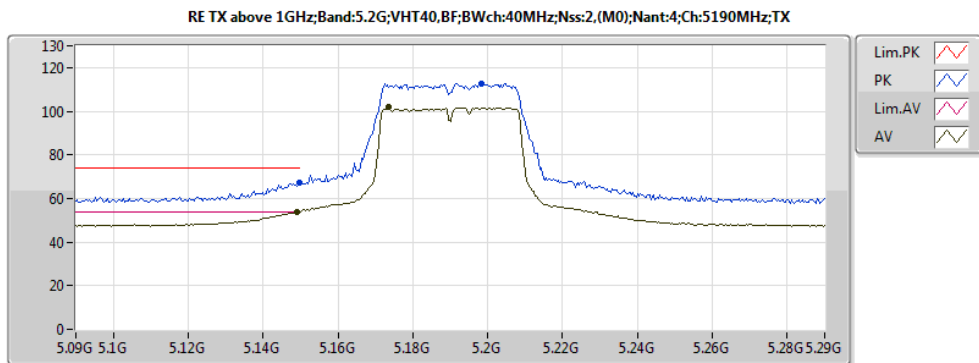
20161110
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Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1496G	51.10	54.00	-2.90	7.89	3	H	313	1.87	-
AV	5.1952G	97.69	Inf	-Inf	7.94	3	H	313	1.87	-
PK	5.1496G	63.80	74.00	-10.20	7.89	3	H	313	1.87	-
PK	5.196G	108.87	Inf	-Inf	7.94	3	H	313	1.87	-
AV	5.1492G	53.87	54.00	-0.13	7.89	3	V	231	2.21	-
AV	5.1736G	101.74	Inf	-Inf	7.92	3	V	231	2.21	-
PK	5.1496G	67.42	74.00	-6.58	7.89	3	V	231	2.21	-
PK	5.1984G	112.83	Inf	-Inf	7.94	3	V	231	2.21	-
AV	15.57212G	48.24	54.00	-5.76	19.34	3	H	196	1.72	-
PK	15.57372G	61.59	74.00	-12.41	19.33	3	H	196	1.72	-
AV	15.56562G	48.40	54.00	-5.60	19.35	3	V	129	1.20	-
PK	15.5722G	62.10	74.00	-11.90	19.33	3	V	129	1.20	-



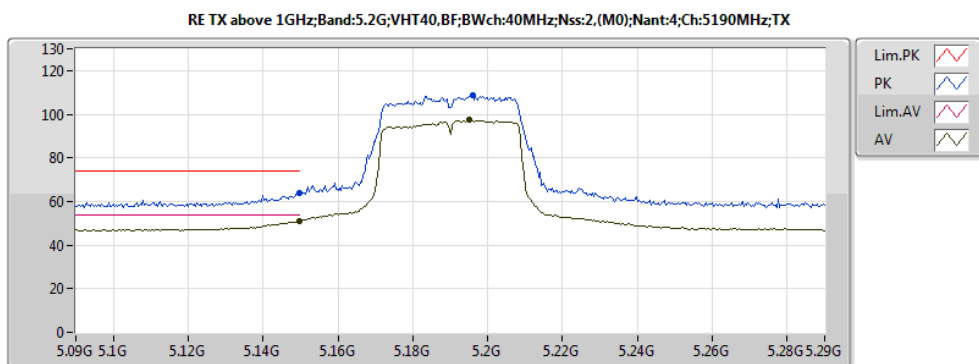
20161110
EUT_Y_4T2S_TXBF
Setting 19
06-W-3

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.56562G	48.40	54.00	-5.60	19.35	3	V	129	1.20	-
PK	15.5722G	62.10	74.00	-11.90	19.33	3	V	129	1.20	-



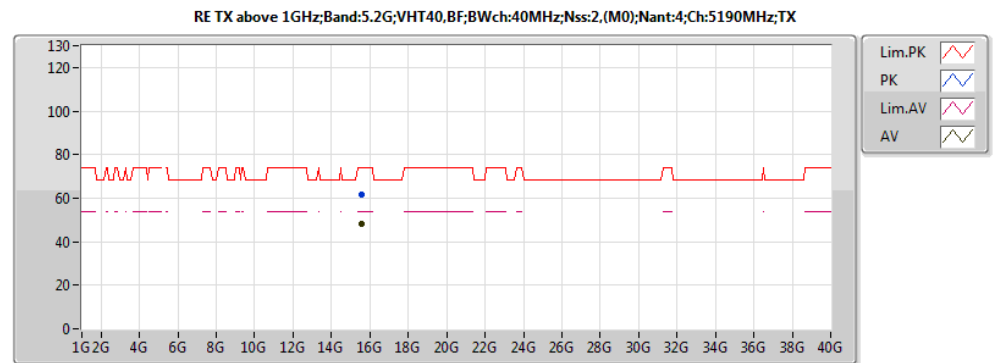
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EUT_Y_4T2S_TXBF
Setting 19
06-W-3-10

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	53.87	54.00	-0.13	7.89	3	V	231	2.21	-
AV	5.1736G	101.74	Inf	-Inf	7.92	3	V	231	2.21	-
PK	5.1496G	67.42	74.00	-6.58	7.89	3	V	231	2.21	-
PK	5.1984G	112.83	Inf	-Inf	7.94	3	V	231	2.21	-



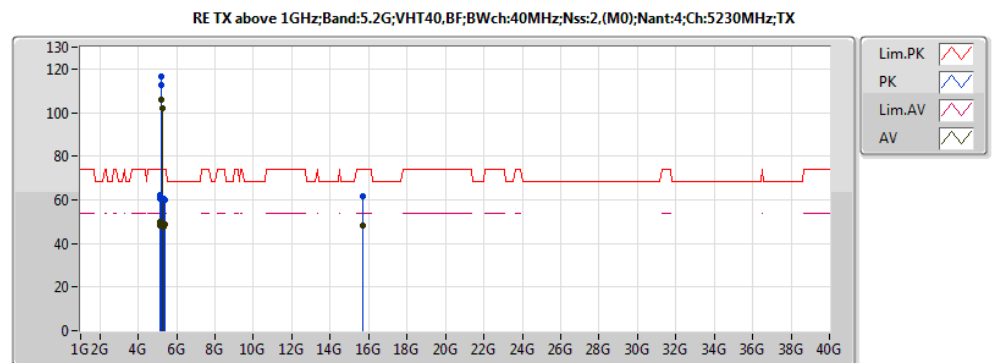
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EUT_Y_4T2S_TXBF
Setting 19
06-W-3-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1496G	51.10	54.00	-2.90	7.89	3	H	313	1.87	-
AV	5.1952G	97.69	Inf	-Inf	7.94	3	H	313	1.87	-
PK	5.1496G	63.80	74.00	-10.20	7.89	3	H	313	1.87	-
PK	5.196G	108.87	Inf	-Inf	7.94	3	H	313	1.87	-



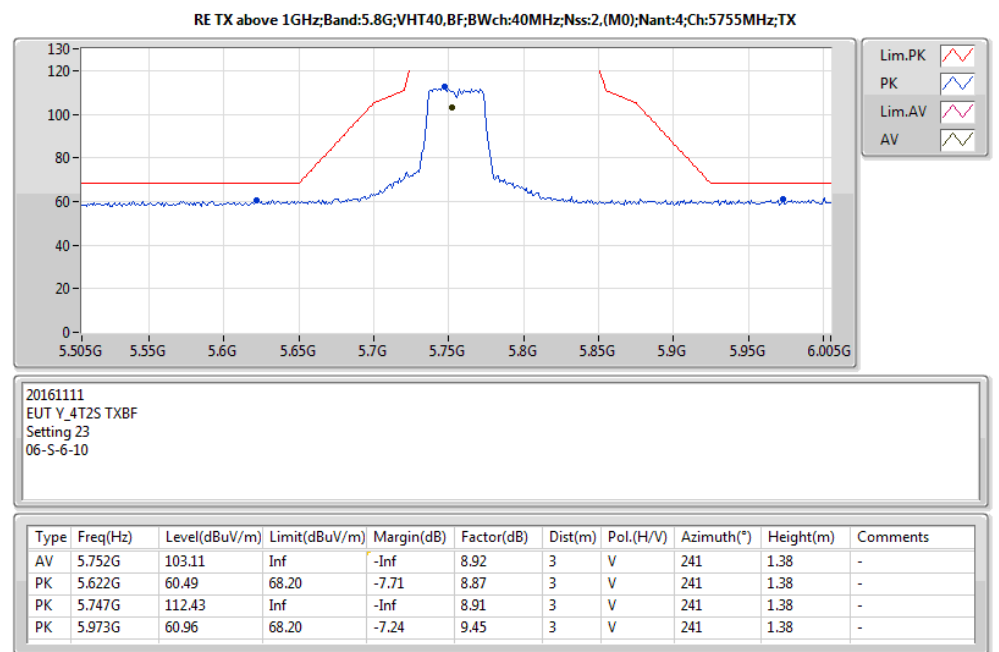
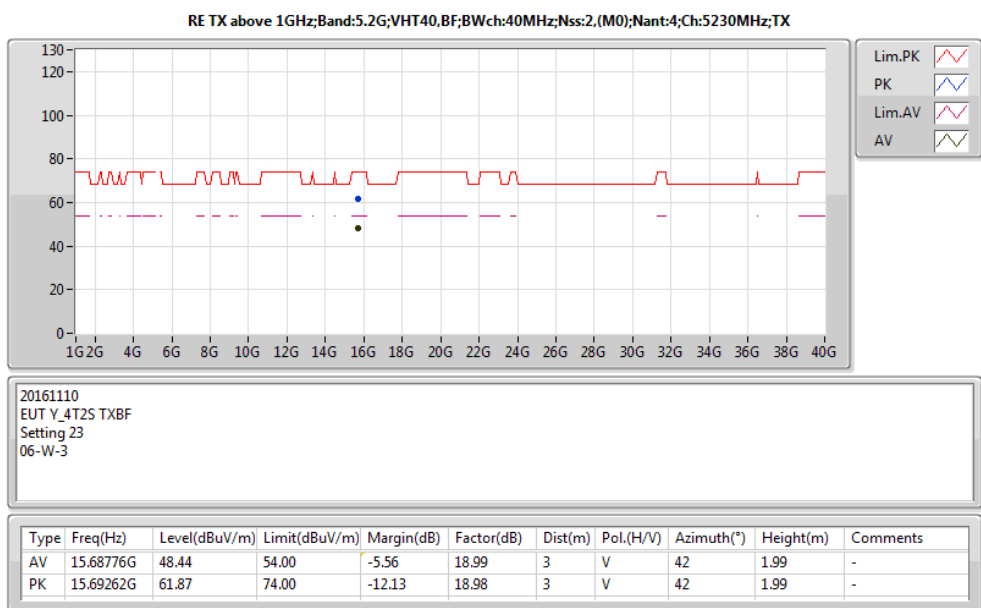
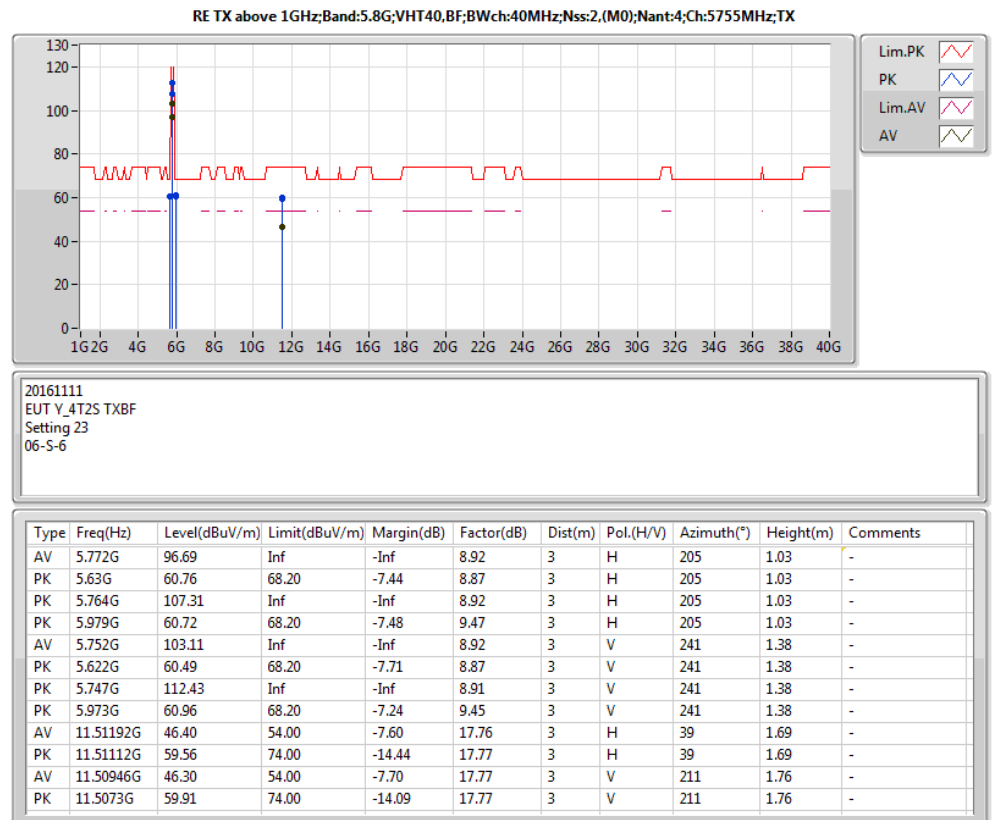
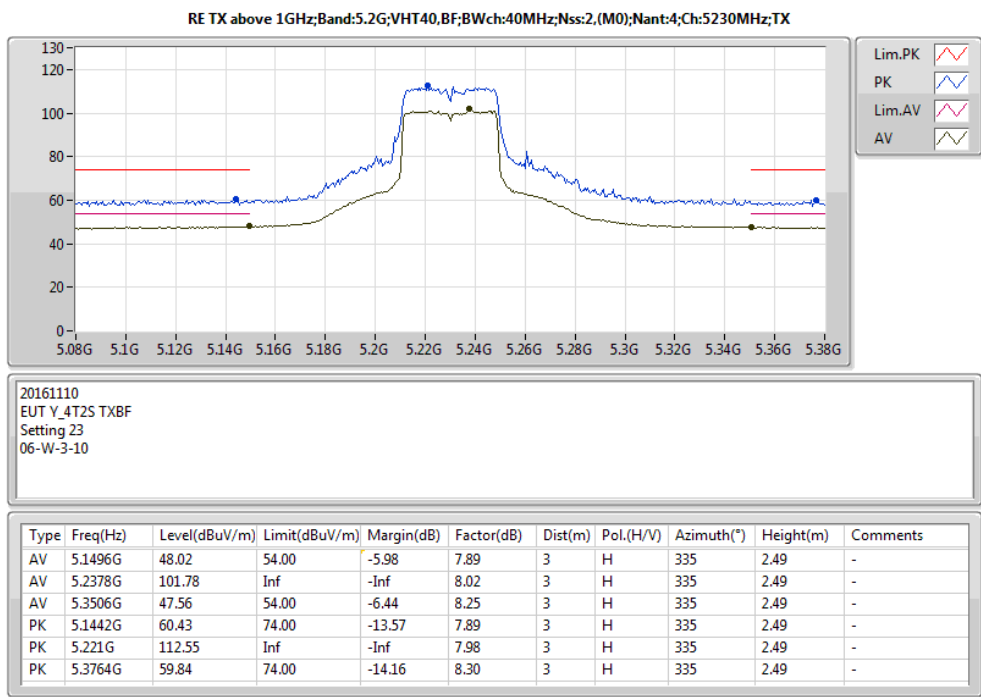
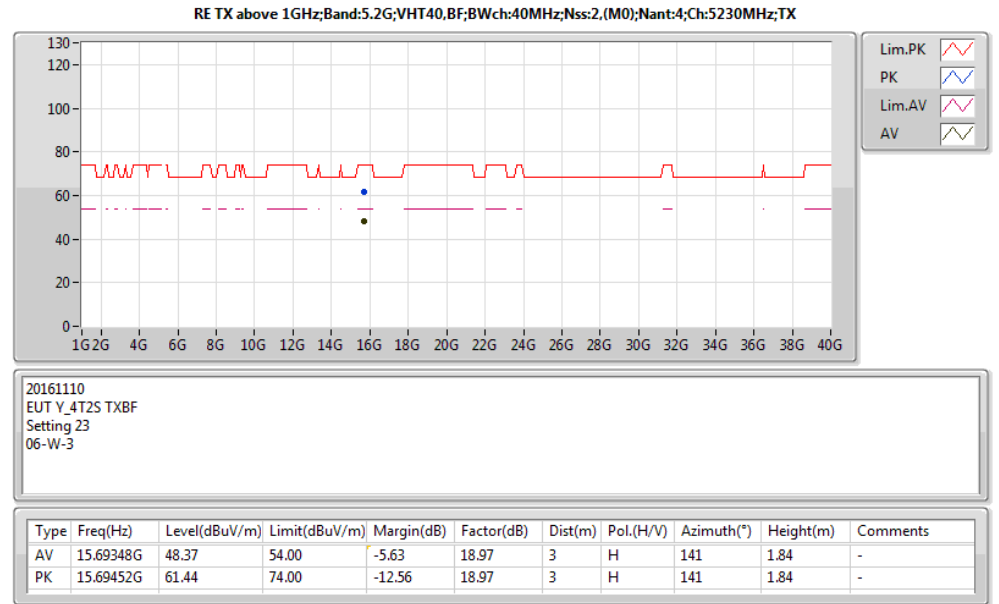
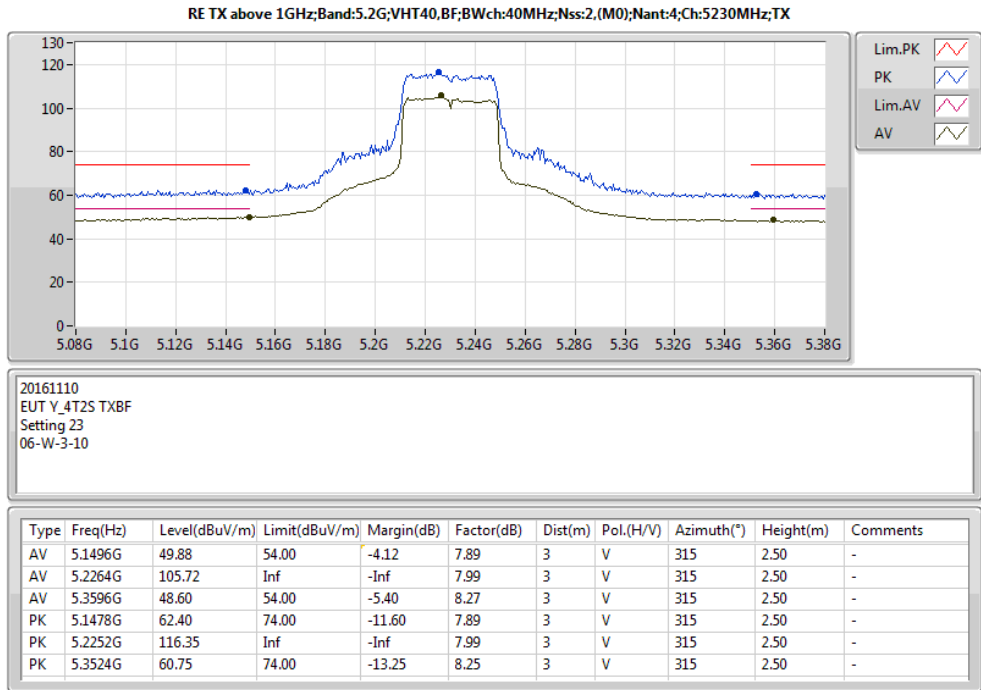
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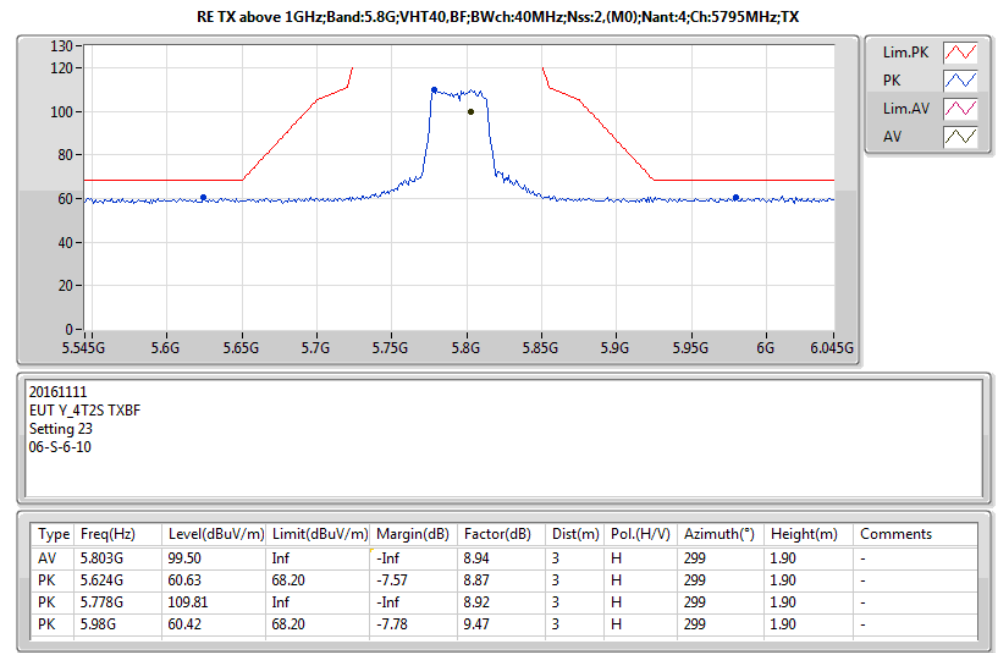
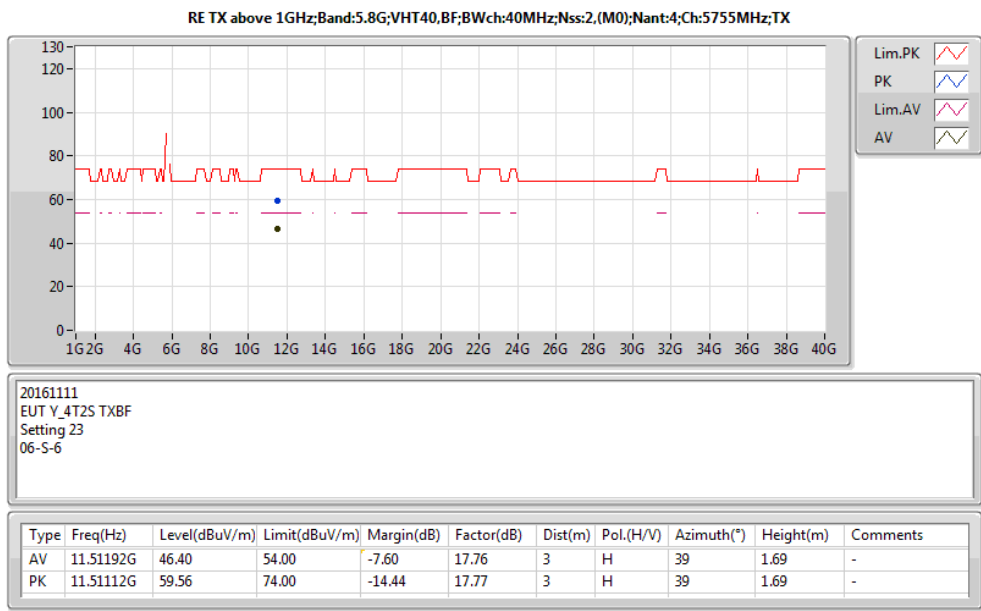
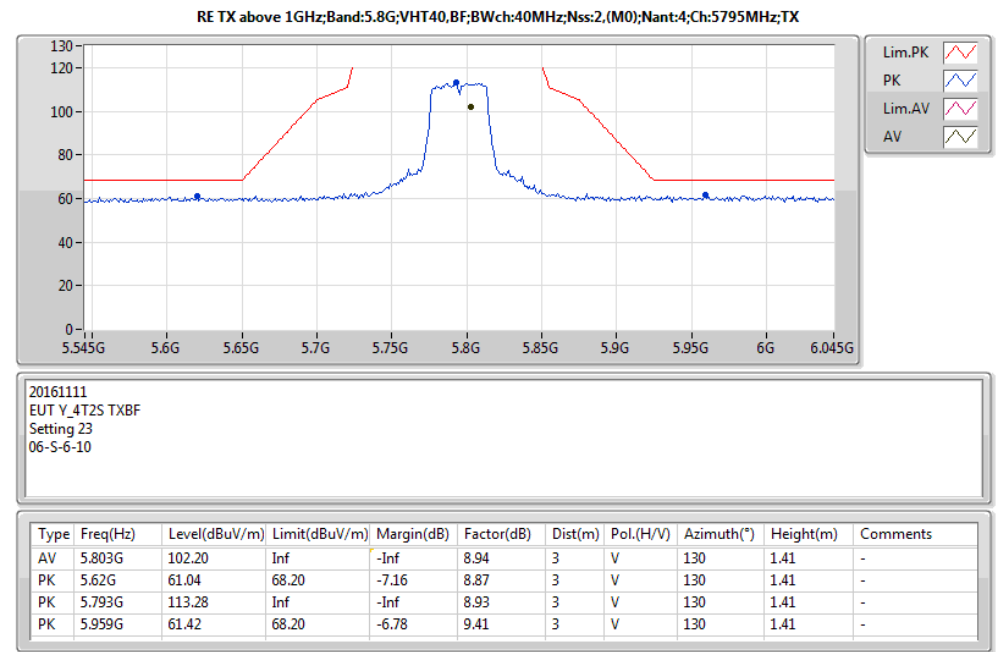
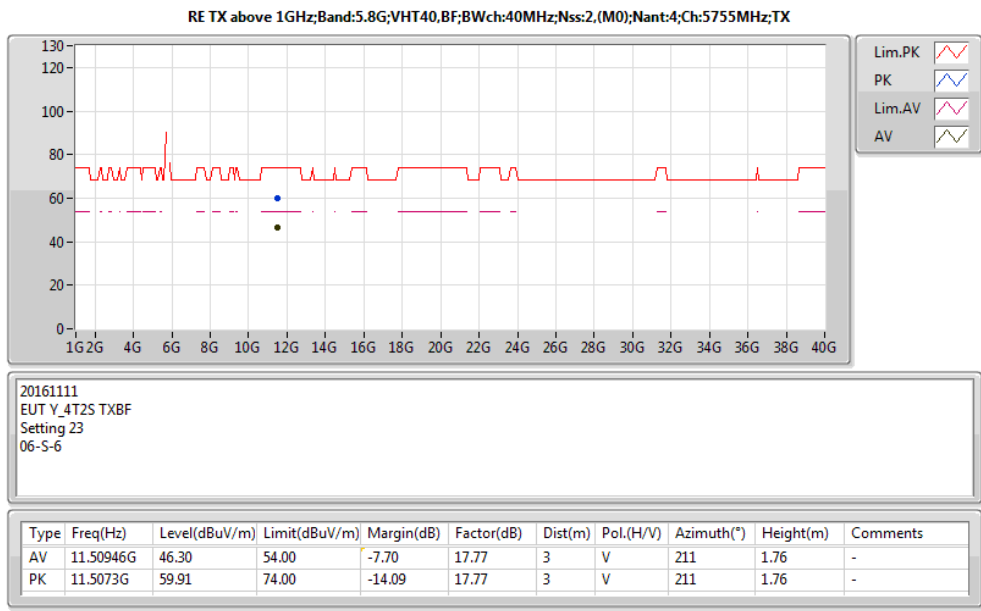
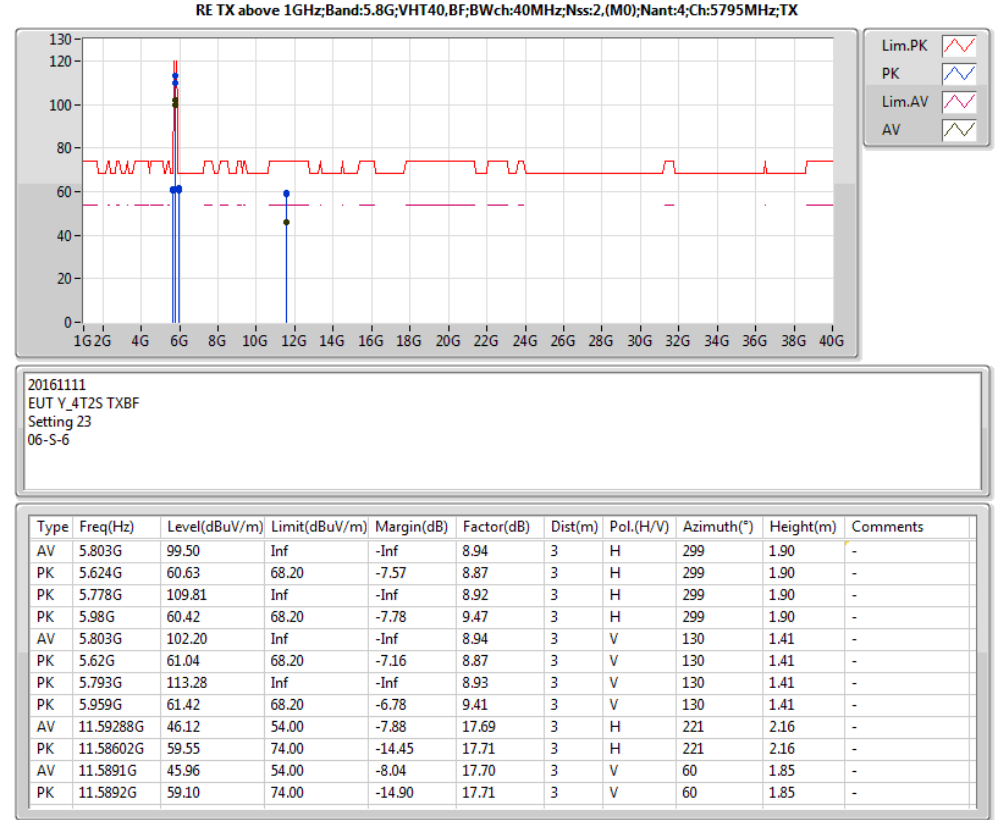
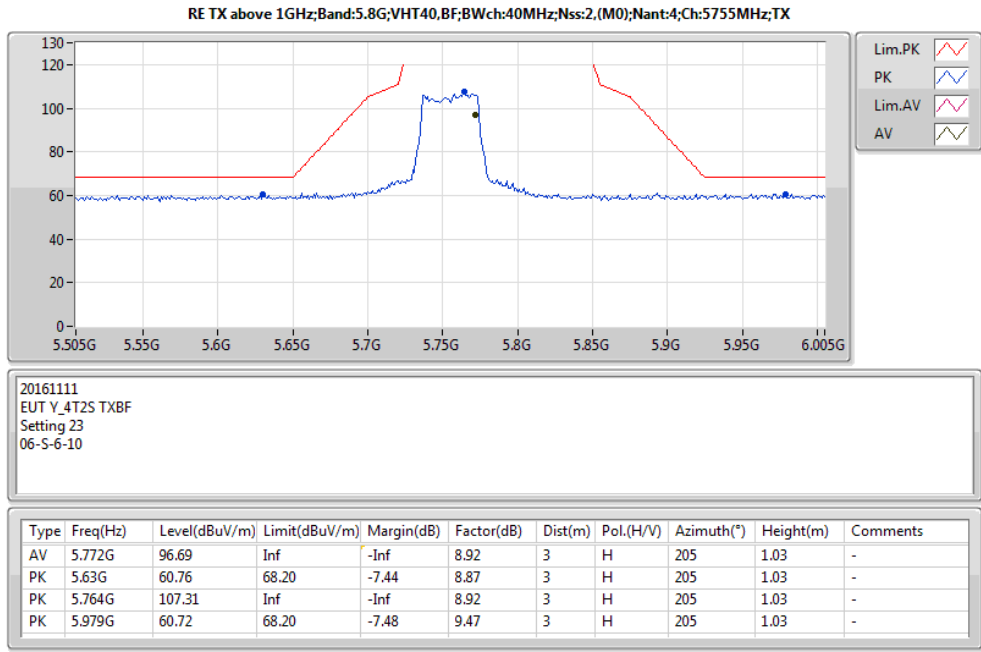
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.57212G	48.24	54.00	-5.76	19.34	3	H	196	1.72	-
PK	15.57372G	61.59	74.00	-12.41	19.33	3	H	196	1.72	-

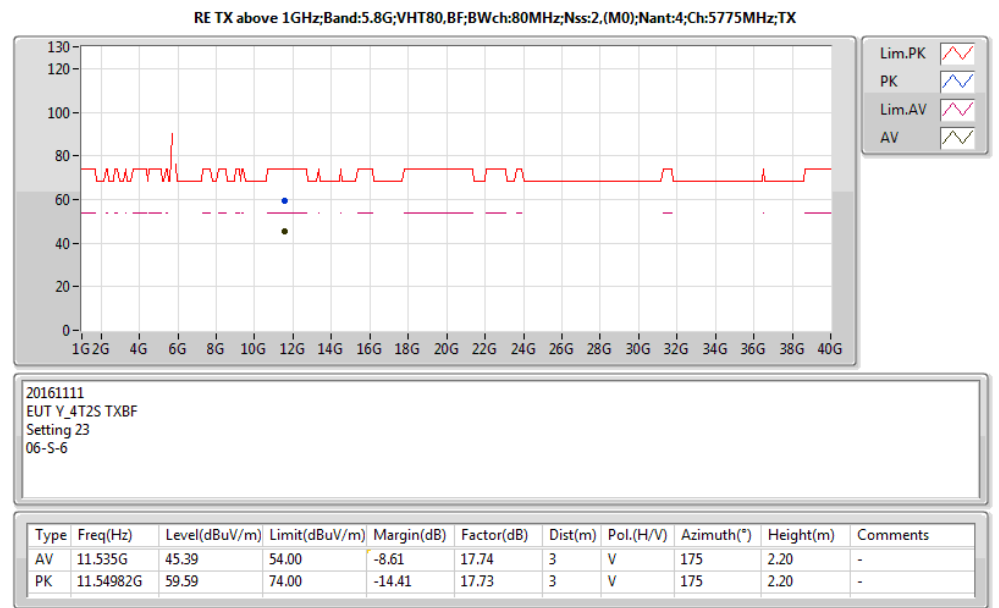
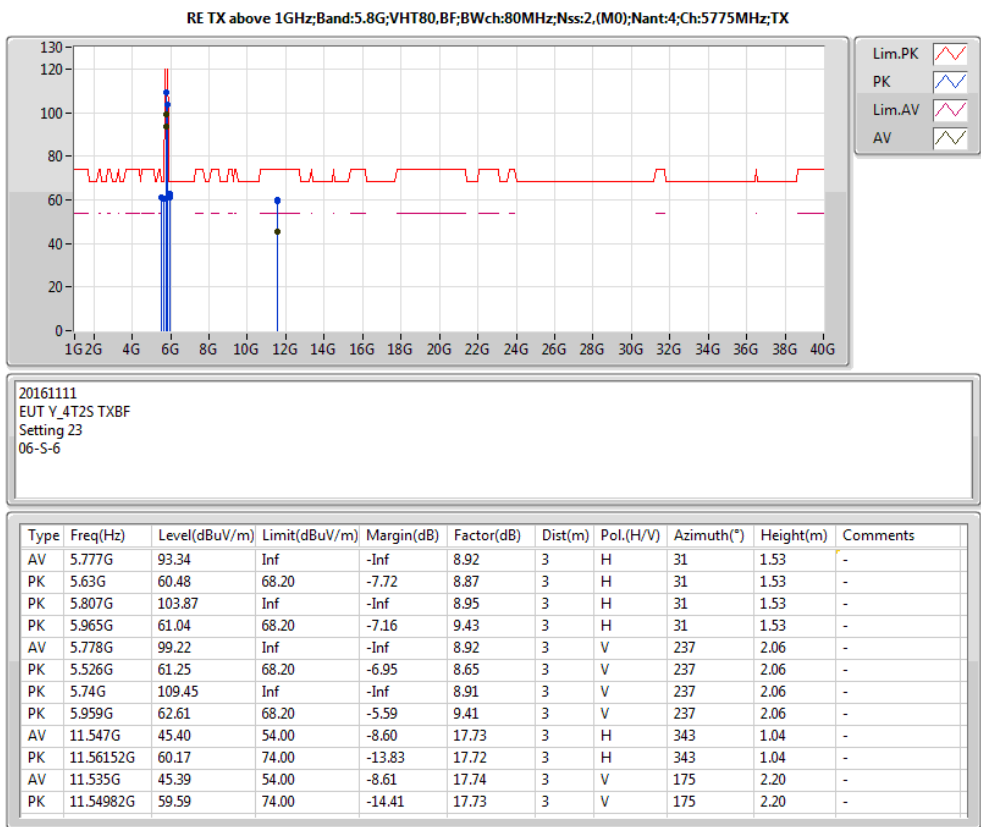
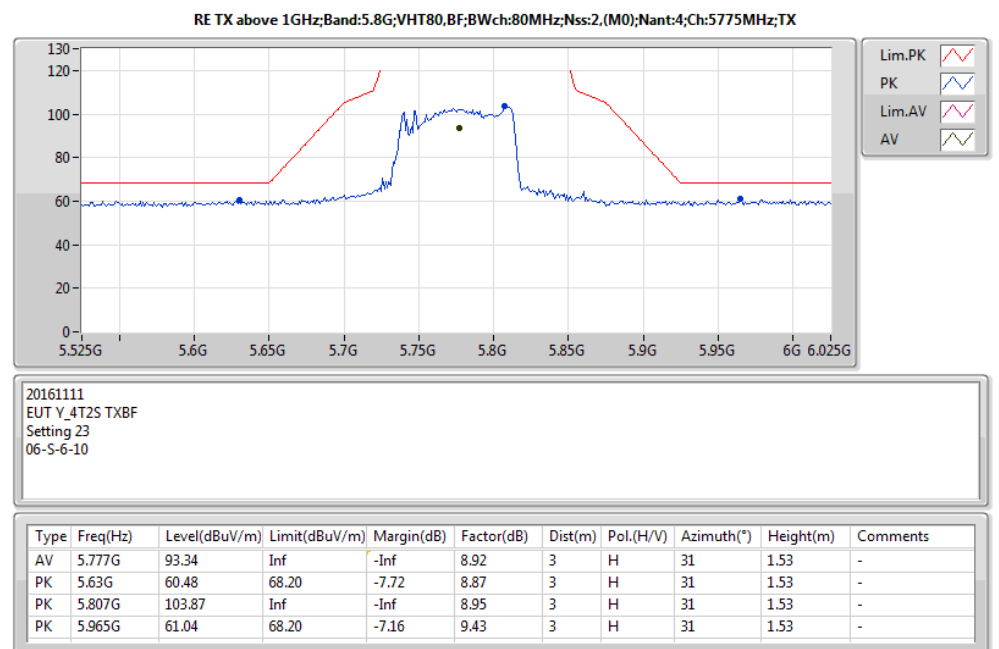
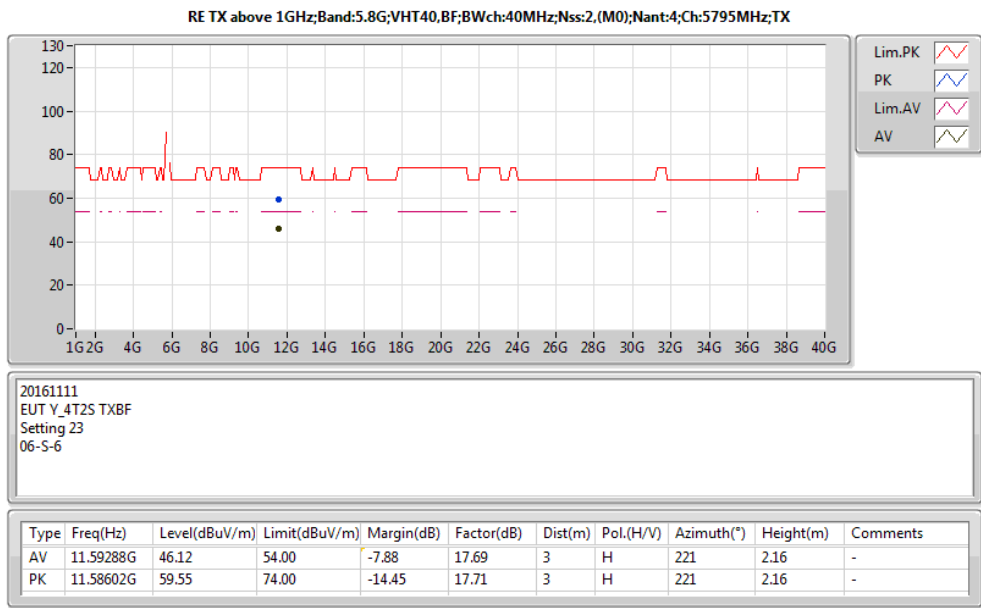
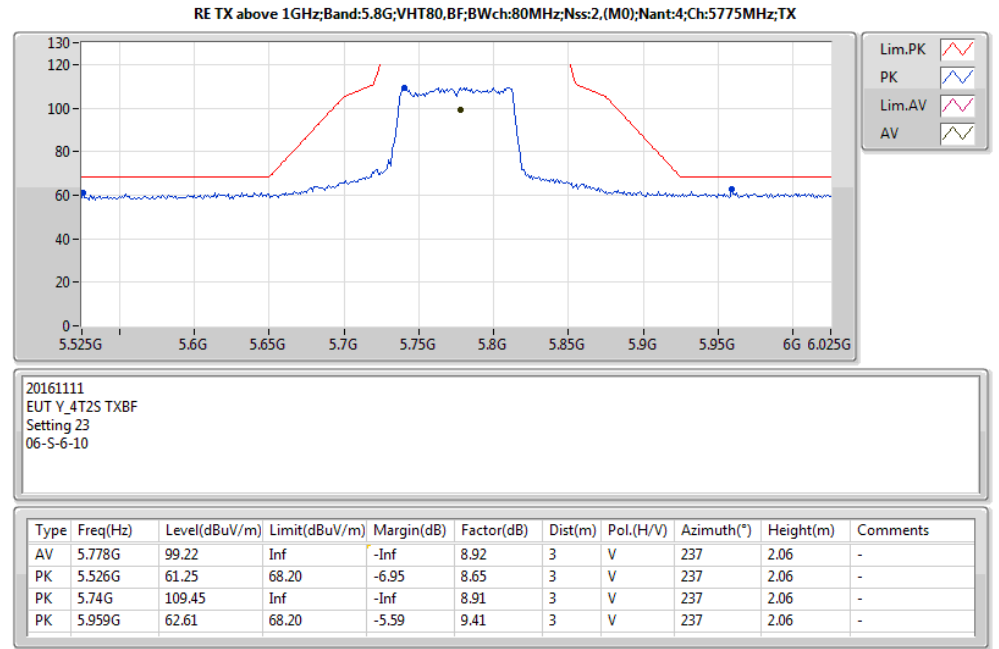
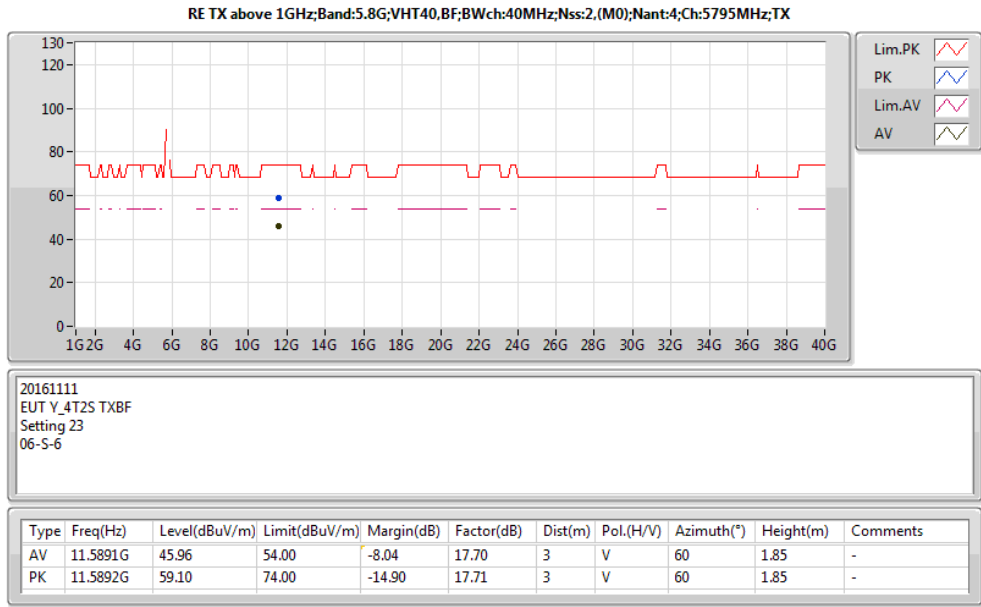


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Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1496G	48.02	54.00	-5.98	7.89	3	H	335	2.49	-
AV	5.2378G	101.78	Inf	-Inf	8.02	3	H	335	2.49	-
AV	5.3506G	47.56	54.00	-6.44	8.25	3	H	335	2.49	-
PK	5.1442G	60.43	74.00	-13.57	7.89	3	H	335	2.49	-
PK	5.221G	112.55	Inf	-Inf	7.98	3	H	335	2.49	-
PK	5.3764G	59.84	74.00	-14.16	8.30	3	H	335	2.49	-
AV	5.1496G	49.88	54.00	-4.12	7.89	3	V	315	2.50	-
AV	5.2264G	105.72	Inf	-Inf	7.99	3	V	315	2.50	-
AV	5.3596G	48.60	54.00	-5.40	8.27	3	V	315	2.50	-
PK	5.1478G	62.40	74.00	-11.60	7.89	3	V	315	2.50	-
PK	5.2252G	116.35	Inf	-Inf	7.99	3	V	315	2.50	-
PK	5.3524G	60.75	74.00	-13.25	8.25	3	V	315	2.50	-
AV	15.69348G	48.37	54.00	-5.63	18.97	3	H	141	1.84	-
PK	15.69452G	61.44	74.00	-12.56	18.97	3	H	141	1.84	-
AV	15.68776G	48.44	54.00	-5.56	18.99	3	V	42	1.99	-
PK	15.69262G	61.87	74.00	-12.13	18.98	3	V	42	1.99	-

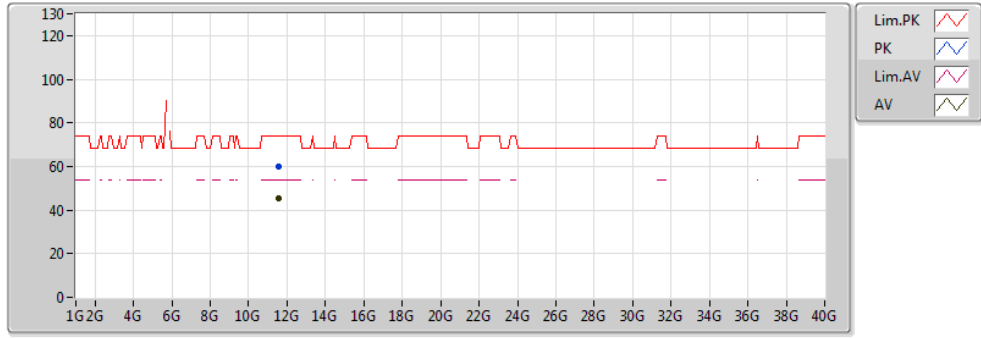








RE TX above 1GHz;Band:5.8G;VHT80,BF;BWch:80MHz;Nss:2,(M0);Nant:4;Ch:5775MHz;TX



Lim.PK
 PK
 Lim.AV
 AV

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Setting 23
06-S-6

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.547G	45.40	54.00	-8.60	17.73	3	H	343	1.04	-
PK	11.56152G	60.17	74.00	-13.83	17.72	3	H	343	1.04	-

Mode: 20 MHz / Chain 4

Voltage vs. Frequency Stability

Voltage (V)	Measurement Frequency (MHz)			
	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5199.9638	5199.9628	5199.9622	5199.9620
110.00	5199.9635	5199.9630	5199.9629	5199.9627
93.50	5199.9629	5199.9621	5199.9617	5199.9616
Max. Deviation (MHz)	0.0371	0.0379	0.0383	0.0384
Max. Deviation (ppm)	7.13	7.29	7.37	7.38
Result	Pass			

Temperature vs. Frequency Stability

Temperature (°C)	Measurement Frequency (MHz)			
	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5199.9595	5199.9587	5199.9580	5199.9579
-20	5199.9610	5199.9605	5199.9603	5199.9594
-10	5199.9627	5199.9621	5199.9617	5199.9607
0	5199.9630	5199.9621	5199.9617	5199.9608
10	5199.9634	5199.9627	5199.9621	5199.9619
20	5199.9635	5199.9625	5199.9620	5199.9614
30	5199.9958	5199.9948	5199.9946	5199.9936
40	5199.9977	5199.9974	5199.9968	5199.9961
50	5199.9984	5199.9975	5199.9967	5199.9959
Max. Deviation (MHz)	0.0405	0.0413	0.0420	0.0421
Max. Deviation (ppm)	7.79	7.94	8.08	8.10
Result	Pass			

Voltage vs. Frequency Stability

Voltage (V)	Measurement Frequency (MHz)			
	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5784.9642	5784.9640	5784.9639	5784.9629
110.00	5784.9635	5784.9632	5784.9627	5784.9619
93.50	5784.9627	5784.9623	5784.9615	5784.9609
Max. Deviation (MHz)	0.0373	0.0377	0.0385	0.0391
Max. Deviation (ppm)	6.45	6.52	6.66	6.76
Result	Pass			

Temperature vs. Frequency Stability

Temperature (°C)	Measurement Frequency (MHz)			
	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5784.9565	5784.9558	5784.9554	5784.9544
-20	5784.9582	5784.9575	5784.9566	5784.9557
-10	5784.9600	5784.9592	5784.9588	5784.9578
0	5784.9612	5784.9610	5784.9605	5784.9601
10	5784.9622	5784.9621	5784.9620	5784.9614
20	5784.9635	5784.9631	5784.9623	5784.9615
30	5784.9958	5784.9951	5784.9944	5784.9935
40	5784.9964	5784.9960	5784.9959	5784.9954
50	5784.9962	5784.9959	5784.9950	5784.9942
Max. Deviation (MHz)	0.0435	0.0442	0.0446	0.0456
Max. Deviation (ppm)	7.52	7.64	7.71	7.88
Result	Pass			

Mode: 40 MHz / Chain 4

Voltage vs. Frequency Stability

Voltage (V)	Measurement Frequency (MHz)			
	5190 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5189.9638	5189.9632	5189.9629	5189.9628
110.00	5189.9635	5189.9631	5189.9621	5189.9616
93.50	5189.9634	5189.9626	5189.9620	5189.9611
Max. Deviation (MHz)	0.0366	0.0374	0.0380	0.0389
Max. Deviation (ppm)	7.05	7.21	7.32	7.50
Result	Pass			

Temperature vs. Frequency Stability

Temperature (°C)	Measurement Frequency (MHz)			
	5190 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5189.9580	5189.9571	5189.9567	5189.9560
-20	5189.9597	5189.9592	5189.9583	5189.9574
-10	5189.9608	5189.9601	5189.9593	5189.9588
0	5189.9612	5189.9602	5189.9593	5189.9589
10	5189.9624	5189.9623	5189.9617	5189.9616
20	5189.9635	5189.9628	5189.9619	5189.9612
30	5189.9958	5189.9951	5189.9947	5189.9937
40	5189.9973	5189.9970	5189.9968	5189.9963
50	5189.9653	5189.9651	5189.9649	5189.9642
Max. Deviation (MHz)	0.0420	0.0429	0.0433	0.0440
Max. Deviation (ppm)	8.09	8.27	8.34	8.48
Result	Pass			

Voltage vs. Frequency Stability

Voltage (V)	Measurement Frequency (MHz)			
	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5754.9641	5754.9635	5754.9628	5754.9627
110.00	5754.9635	5754.9625	5754.9624	5754.9616
93.50	5754.9629	5754.9620	5754.9617	5754.9616
Max. Deviation (MHz)	0.0371	0.0380	0.0383	0.0384
Max. Deviation (ppm)	6.45	6.60	6.66	6.67
Result	Pass			

Temperature vs. Frequency Stability

Temperature (°C)	Measurement Frequency (MHz)			
	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5754.9564	5754.9557	5754.9547	5754.9540
-20	5754.9579	5754.9576	5754.9569	5754.9566
-10	5754.9598	5754.9589	5754.9588	5754.9583
0	5754.9614	5754.9613	5754.9612	5754.9602
10	5754.9619	5754.9611	5754.9602	5754.9596
20	5754.9635	5754.9632	5754.9623	5754.9620
30	5754.9958	5754.9954	5754.9953	5754.9943
40	5754.9963	5754.9956	5754.9947	5754.9938
50	5754.9642	5754.9635	5754.9628	5754.9623
Max. Deviation (MHz)	0.0436	0.0443	0.0453	0.0460
Max. Deviation (ppm)	7.58	7.70	7.87	7.99
Result	Pass			

Mode: 80 MHz / Chain 4

Voltage vs. Frequency Stability

Voltage (V)	Measurement Frequency (MHz)			
	5210 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5209.9636	5209.9632	5209.9628	5209.9624
110.00	5209.9635	5209.9632	5209.9622	5209.9615
93.50	5209.9628	5209.9626	5209.9621	5209.9614
Max. Deviation (MHz)	0.0372	0.0374	0.0379	0.0386
Max. Deviation (ppm)	7.14	7.18	7.27	7.41
Result	Pass			

Temperature vs. Frequency Stability

Temperature (°C)	Measurement Frequency (MHz)			
	5210 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5209.9579	5209.9575	5209.9574	5209.9573
-20	5209.9587	5209.9577	5209.9569	5209.9560
-10	5209.9598	5209.9588	5209.9587	5209.9586
0	5209.9604	5209.9601	5209.9596	5209.9587
10	5209.9619	5209.9613	5209.9605	5209.9604
20	5209.9635	5209.9626	5209.9617	5209.9614
30	5209.9958	5209.9948	5209.9941	5209.9932
40	5209.9968	5209.9964	5209.9956	5209.9948
50	5209.9653	5209.9650	5209.9642	5209.9633
Max. Deviation (MHz)	0.0421	0.0425	0.0431	0.0440
Max. Deviation (ppm)	8.08	8.16	8.27	8.45
Result	Pass			

Voltage vs. Frequency Stability

Voltage (V)	Measurement Frequency (MHz)			
	5775 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5774.9637	5774.9635	5774.9630	5774.9620
110.00	5774.9635	5774.9627	5774.9617	5774.9613
93.50	5774.9633	5774.9623	5774.9618	5774.9611
Max. Deviation (MHz)	0.0367	0.0377	0.0383	0.0389
Max. Deviation (ppm)	6.35	6.53	6.63	6.74
Result	Pass			

Temperature vs. Frequency Stability

Temperature (°C)	Measurement Frequency (MHz)			
	5775 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-30	5774.9588	5774.9579	5774.9576	5774.9573
-20	5774.9593	5774.9584	5774.9576	5774.9566
-10	5774.9605	5774.9595	5774.9591	5774.9583
0	5774.9615	5774.9610	5774.9607	5774.9597
10	5774.9632	5774.9630	5774.9629	5774.9619
20	5774.9635	5774.9634	5774.9629	5774.9624
30	5774.9958	5774.9957	5774.9947	5774.9942
40	5774.9977	5774.9971	5774.9968	5774.9962
50	5774.9644	5774.9635	5774.9628	5774.9618
Max. Deviation (MHz)	0.0412	0.0421	0.0424	0.0434
Max. Deviation (ppm)	7.13	7.29	7.34	7.52
Result	Pass			