



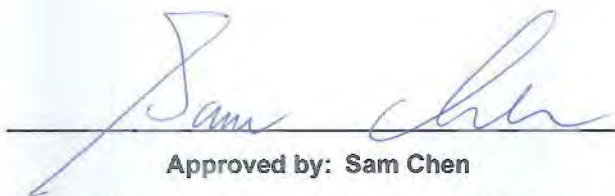
FCC RADIO TEST REPORT

FCC ID : NKR-SWA52
Equipment : Wireless Audio Module
Brand Name : WNC
Model Name : SWA52
Applicant : Wistron NeWeb Corporation
20 Park Avenue II, Hsinchu Science Park, Hsinchu 308 Taiwan
Manufacturer : Wistron NeWeb Corporation
20 Park Avenue II, Hsinchu Science Park, Hsinchu 308 Taiwan
Standard : 47 CFR FCC Part 15.407

The product was received on Mar. 22, 2019, and testing was started from Mar. 29, 2019 and completed on Apr. 24, 2019. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, 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 report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

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



Approved by: Sam Chen

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
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TEL : 886-3-656-9065
FAX : 886-3-656-9085
Report Template No.: CB Ver1.0



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.407(a)	Emission Bandwidth	PASS	-
3.2	15.407(a)	Maximum Conducted Output Power	PASS	-
3.3	15.407(a)	Peak Power Spectral Density	PASS	-
3.4	15.407(b)	Unwanted Emissions	PASS	-

Reviewed by: Sam Chen

Report Producer: Sandy Chuang



1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	Mode	Ch. Frequency (MHz)	Channel Number	Bandwidth
5150~5250	pi/4-DQPSK	5155.35-5247.35	2-48 [47]	2 MHz
5150~5250		5158.35-5246.35	3-47 [45]	4 MHz
5725-5850		5726.35-5824.35	0-49 [50]	2 MHz
5725-5850		5727.35-5825.35	0-49 [50]	4 MHz

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	pi/4-DQPSK	2	1TX
5.15-5.25GHz	pi/4-DQPSK	4	1TX
5.725-5.85GHz	pi/4-DQPSK	2	1TX
5.725-5.85GHz	pi/4-DQPSK	4	1TX

Note:

- ♦ Modulation type: pi/4-DQPSK.
- ♦ 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 Channel List

Frequency Band	Bandwidth	Channel No.	Frequency	Channel No.	Frequency
5.15-5.25GHz (Band 1)	2 MHz	2	5155.35	26	5203.35
		3	5157.35	27	5205.35
		4	5159.35	28	5207.35
		5	5161.35	29	5209.35
		6	5163.35	30	5211.35
		7	5165.35	31	5213.35
		8	5167.35	32	5215.35
		9	5169.35	33	5217.35
		10	5171.35	34	5219.35
		11	5173.35	35	5221.35
		12	5175.35	36	5223.35
		13	5177.35	37	5225.35
		14	5179.35	38	5227.35
		15	5181.35	39	5229.35
		16	5183.35	40	5231.35
		17	5185.35	41	5233.35
		18	5187.35	42	5235.35
		19	5189.35	43	5237.35
		20	5191.35	44	5239.35
		21	5193.35	45	5241.35
		22	5195.35	46	5243.35
		23	5197.35	47	5245.35
		24	5199.35	48	5247.35
		25	5201.35	-	-



Frequency Band	Bandwidth	Channel No.	Frequency	Channel No.	Frequency
5.15-5.25GHz (Band 1)	4 MHz	3	5158.35	26	5204.35
		4	5160.35	27	5206.35
		5	5162.35	28	5208.35
		6	5164.35	29	5210.35
		7	5166.35	30	5212.35
		8	5168.35	31	5214.35
		9	5170.35	32	5216.35
		10	5172.35	33	5218.35
		11	5174.35	34	5220.35
		12	5176.35	35	5222.35
		13	5178.35	36	5224.35
		14	5180.35	37	5226.35
		15	5182.35	38	5228.35
		16	5184.35	39	5230.35
		17	5186.35	40	5232.35
		18	5188.35	41	5234.35
		19	5190.35	42	5236.35
		20	5192.35	43	5238.35
		21	5194.35	44	5240.35
		22	5196.35	45	5242.35
		23	5198.35	46	5244.35
		24	5200.35	47	5246.35
		25	5202.35	-	-



Frequency Band	Bandwidth	Channel No.	Frequency	Channel No.	Frequency
5725-5850 (Band 4)	2 MHz	0	5726.35	25	5776.35
		1	5728.35	26	5778.35
		2	5730.35	27	5780.35
		3	5732.35	28	5782.35
		4	5734.35	29	5784.35
		5	5736.35	30	5786.35
		6	5738.35	31	5788.35
		7	5740.35	32	5790.35
		8	5742.35	33	5792.35
		9	5744.35	34	5794.35
		10	5746.35	35	5796.35
		11	5748.35	36	5798.35
		12	5750.35	37	5800.35
		13	5752.35	38	5802.35
		14	5754.35	39	5804.35
		15	5756.35	40	5806.35
		16	5758.35	41	5808.35
		17	5760.35	42	5810.35
		18	5762.35	43	5812.35
		19	5764.35	44	5814.35
		20	5766.35	45	5816.35
		21	5768.35	46	5818.35
		22	5770.35	47	5820.35
		23	5772.35	48	5822.35
		24	5774.35	49	5824.35



Frequency Band	Bandwidth	Channel No.	Frequency	Channel No.	Frequency
5725-5850 (Band 4)	4 MHz	0	5727.35	25	5777.35
		1	5729.35	26	5779.35
		2	5731.35	27	5781.35
		3	5733.35	28	5783.35
		4	5735.35	29	5785.35
		5	5737.35	30	5787.35
		6	5739.35	31	5789.35
		7	5741.35	32	5791.35
		8	5743.35	33	5793.35
		9	5745.35	34	5795.35
		10	5747.35	35	5797.35
		11	5749.35	36	5799.35
		12	5751.35	37	5801.35
		13	5753.35	38	5803.35
		14	5755.35	39	5805.35
		15	5757.35	40	5807.35
		16	5759.35	41	5809.35
		17	5761.35	42	5811.35
		18	5763.35	43	5813.35
		19	5765.35	44	5815.35
		20	5767.35	45	5817.35
		21	5769.35	46	5819.35
		22	5771.35	47	5821.35
		23	5773.35	48	5823.35
		24	5775.35	49	5825.35

**1.1.3 Antenna Information**

Ant.	Brand	Model Name	P/N	Antenna Type	Connector	Gain (dBi)		Remark
						Band 1	Band 4	
1	WNC	WNC	-	Printed Antenna	N/A	4.32	4.90	Internal
2	WNC	WNC	-	Printed Antenna	N/A	2.40	3.50	
3	ethertronics	-	5003321	PCB Antenna	I-PEX	4.17	4.35	External

Note:

For EUT 1:

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

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

The Ant. 1(Port 1) generated the worst case, so it was selected to test and record in the report.

For EUT 2:

Ant. 3(Port 1) can be used as transmitting/receiving antenna.

1.1.4 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
pi/4-DQPSK (2 MHz)	1	0	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
pi/4-DQPSK (4 MHz)	1	0	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)

1.1.5 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☐	With beamforming	☒	Without beamforming
Function	☐	Outdoor P2M	☒	Indoor P2M
	☐	Fixed P2P	☒	Client
Test Software Version	vmxui 2.3			



1.1.6 Table for Multiple Listing

The difference for each EUT is shown as below:

Model Name	EUT	Internal antenna	External antenna
SWA52	1	V	X
	2	X	V

1.1.7 Table for Class II Change

This product is an extension of original one reported under Sporton project number: FR5N2023-01.

Below is the table for the change of the product with respect to the original one.

Modifications	Performance Checking
1. Add the 5GHz band 1 (Bandwidth 2MHz/4MHz). 2. Add the Bandwidth 4MHz in 5GHz Band 4. 3. Add the 2MHz frequencies (5726.35/5728.35/5822.35/5824.35MHz) in 5GHz Band 4.	1. Emission Bandwidth 2. Maximum Conducted Output Power 3. Peak Power Spectral Density 4. Unwanted Emissions (Above 1GHz)

Note: Based on original output power to measure band 4.



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 v02r01

1.3 Testing Location Information

Testing Location				
☐	HWA YA	ADD : No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)	TEL : 886-3-327-3456	FAX : 886-3-327-0973
☒	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	Jeff Wu	22~24°C / 67~70%	Apr. 09, 2019~Apr. 10, 2019
Radiated	03CH01-CB	Lance Wu	22~24°C / 55~57%	Mar. 29, 2019~Apr. 24, 2019

Test site Designation No. TW0006 with FCC

Test site registered number IC 4086B 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
Radiated Emission (1GHz ~ 18GHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.7 dB	Confidence levels of 95%
Output Power Measurement	1.33 dB	Confidence levels of 95%
Power Density Measurement	1.27 dB	Confidence levels of 95%
Bandwidth Measurement	9.74 x10 ⁻⁸	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

EUT 1 <Internal antenna>

Mode
pi 4-DQPSK(2M)_Nss1_1TX
5155.35MHz
5203.35MHz
5247.35MHz
5726.35MHz
5776.35MHz
5824.35MHz
pi 4-DQPSK(4M)_Nss1_1TX
5158.35MHz
5204.35MHz
5246.35MHz
5727.35MHz
5775.35MHz
5825.35MHz

EUT 2 <External antenna>

Mode
pi 4-DQPSK(2M)_1TX
5155.35MHz
5203.35MHz
5247.35MHz
5726.35MHz
5776.35MHz
5824.35MHz
pi 4-DQPSK(4M)_1TX
5158.35MHz
5204.35MHz
5246.35MHz
5727.35MHz
5775.35MHz
5825.35MHz

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Maximum Conducted Output Power Peak Power Spectral Density
Test Condition	Conducted measurement at transmit chains
Test Mode	CTX
1	EUT 1
2	EUT 2

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
The EUT can be placed in X axis, Y axis and Z axis. After evaluating, Z axis was the worst case, so it's recorded in this report for EUT 1. The EUT can be placed in X axis, Y axis and Z axis. After evaluating, Y axis was the worst case, so it's recorded in this report for EUT 2.	
1	Place EUT 1 in Z axis
2	Place EUT 2 in Y axis

Note: The Adapter below is for measurement only, would not be marketed.

The Adapter information as below:

Support Unit	Brand Holder	Model Number
Adapter	SOLYTECH ENTERPRISE CORPORATION	CAD1005C

2.3 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.



2.4 Accessories

N/A

2.5 Support Equipment

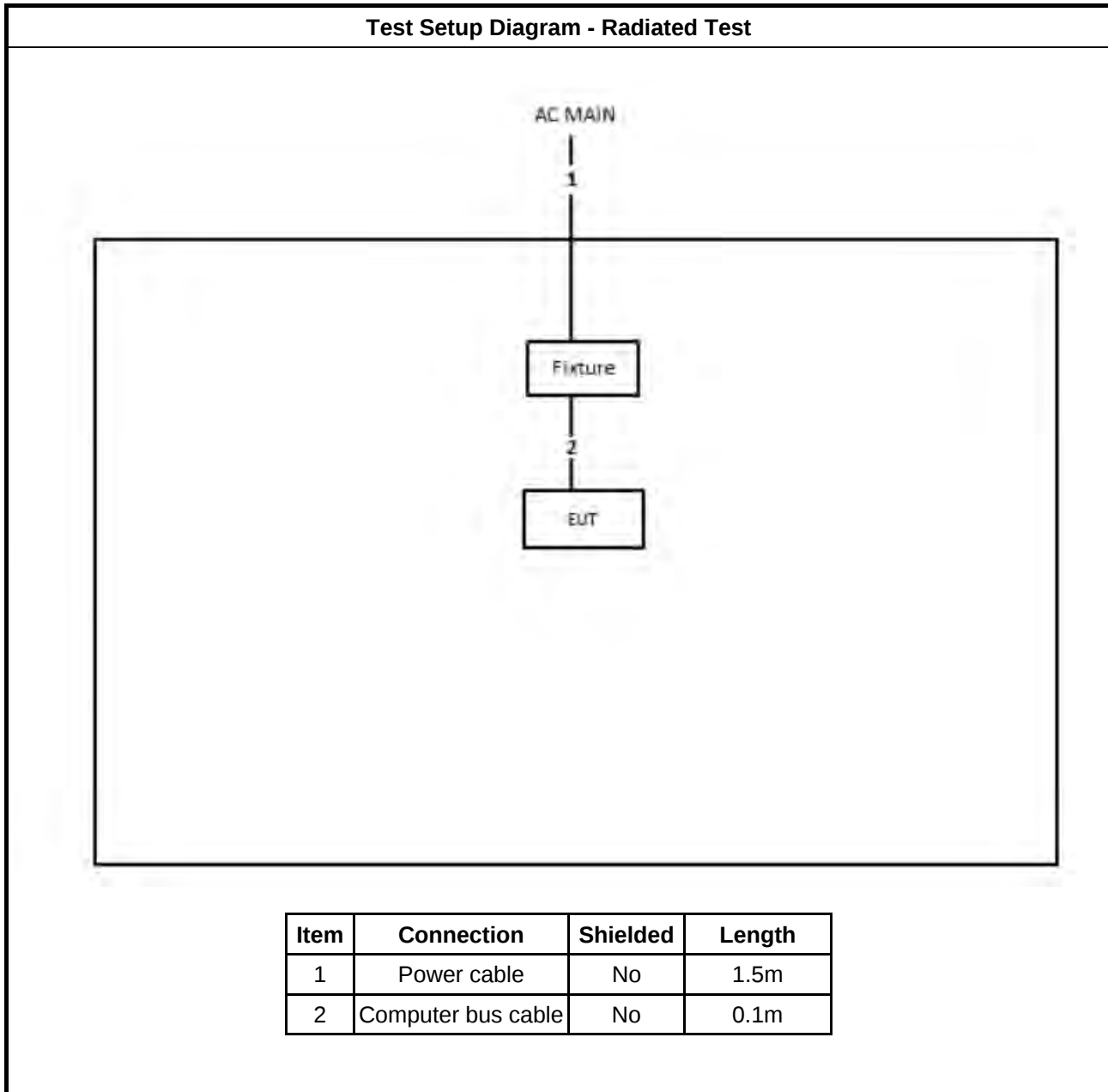
For Radiated:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Fixture	WNC	48SWA524.SGB	N/A
2	Adapter	SOLYTECH ENTERPRISE CORPORATION	CAD1005C	N/A

For RF Conducted:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook	DELL	E4300	N/A
2	Fixture	WNC	48SWA524.SGB	N/A
3	Adapter	SOLYTECH ENTERPRISE CORPORATION	CAD1005C	N/A

2.6 Test Setup Diagram





3 Transmitter Test Result

3.1 Emission Bandwidth

3.1.1 Emission Bandwidth Limit

Emission Bandwidth Limit	
UNII Devices	
☒	For the 5.15-5.25 GHz band, N/A
☐	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.
☐	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.
☒	For the 5.725-5.85 GHz band, 6 dB emission bandwidth $\geq$ 500kHz.
LE-LAN Devices	
☐	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.
☐	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
☐	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
☐	For the 5.725-5.85 GHz band, 6 dB emission bandwidth $\geq$ 500kHz.

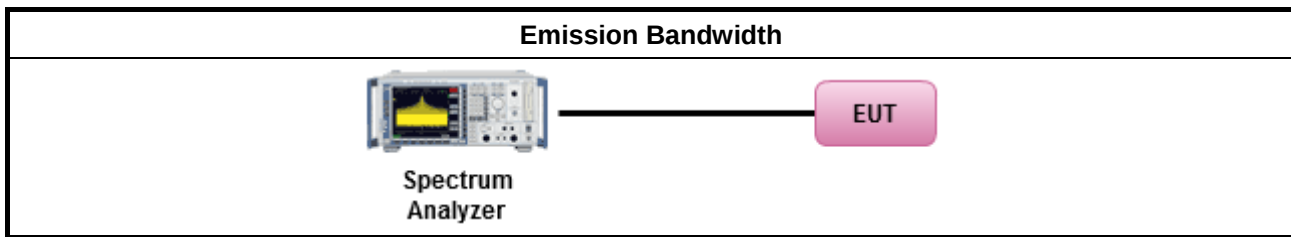
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method	
▪ For the emission bandwidth shall be measured using one of the options below:	
☒	Refer as FCC KDB 789033, clause C for EBW and clause D for OBW measurement.
☐	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.
☐	Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.

3.1.4 Test Setup



3.1.5 Test Result of Emission Bandwidth

Refer as Appendix A



3.2 Maximum Conducted Output Power

3.2.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
UNII Devices	
☒ For the 5.15-5.25 GHz band:	
☐	- 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 ≤ 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 $P_{Out} = 24 - (G_{TX} - 6)$.
☐	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 $P_{Out} = 24 - (G_{TX} - 6)$.
☐	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 $P_{Out} = 24 - (G_{TX} - 6)$.
☒ For the 5.725-5.85 GHz band:	
☐	- 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	
☐	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.
☐	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
☐	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
☐ For the 5.725-5.85 GHz band:	
☐	- 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_{Out} = maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.	

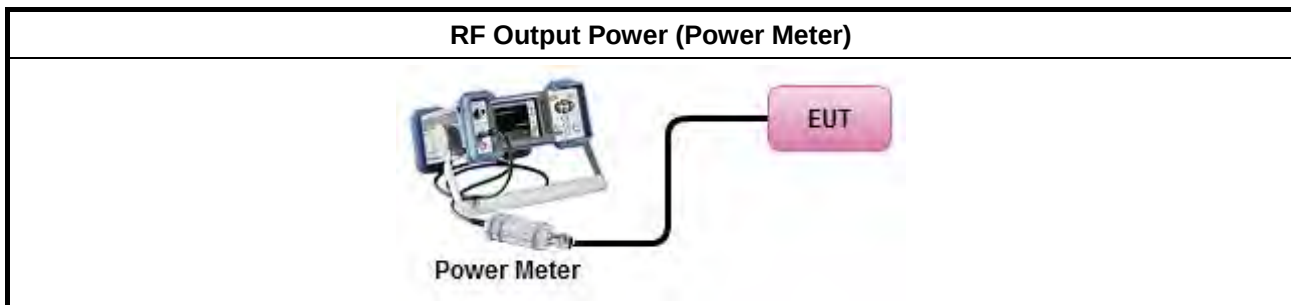
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
Maximum Conducted Output Power	
	Average over on/off periods with duty factor
☐	Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).
☐	Refer as FCC KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty factor
☒	Refer as FCC KDB 789033, clause E Method PM-G (using an RF average power meter).
For conducted measurement.	
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.	
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]) $EIRP_{total} = P_{total} + DG$	

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Refer as Appendix B



3.3 Peak Power Spectral Density

3.3.1 Peak Power Spectral Density Limit

Peak Power Spectral Density Limit	
UNII Devices	
☒ For the 5.15-5.25 GHz band:	
	- 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 $PPSD = 11 - (G_{TX} - 6)$.
☐ For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
☐ For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
☒ For the 5.725-5.85 GHz band:	
	- 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	
☐ For the 5.15-5.25 GHz band, the e.i.r.p. peak power spectral density (PPSD) ≤ 10 dBm/MHz.	
☐ For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.	
	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 (θ-8) dBW/MHz for $8^\circ \leq \theta < 40^\circ$ -35.9 - 1.22 (θ-40) dBW/MHz for $40^\circ \leq \theta \leq 45^\circ$; -42 dBW/MHz for $\theta > 45^\circ$
☐ For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.	
☐ For the 5.725-5.85 GHz band:	
	- 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.
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	



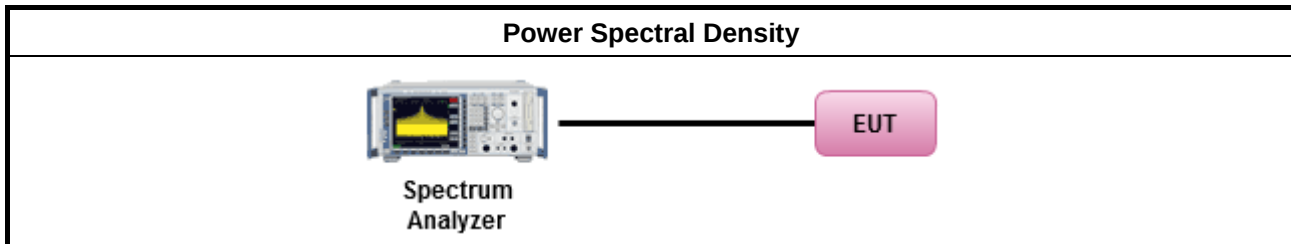
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
Peak power spectral density procedures that the same method as used to determine the conducted output power shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options:	
☐	Refer as FCC KDB 789033, 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]	
☒	Refer as FCC KDB 789033, clause E Method SA-1 (spectral trace averaging).
☐	Refer as FCC KDB 789033, clause E Method SA-1 Alt. (RMS detection with slow sweep speed)
duty cycle < 98% and average over on/off periods with duty factor	
☒	Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).
☐	Refer as FCC KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
For conducted measurement.	
If the EUT supports multiple transmit chains using options given below:	
☒	Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power 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.
☐	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,
☐	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.
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]) $EIRP_{total} = PPSD_{total} + DG$	

3.3.4 Test Setup



3.3.5 Test Result of Peak Power Spectral Density

Refer as Appendix C



3.4 Unwanted Emissions

3.4.1 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.

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.

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).

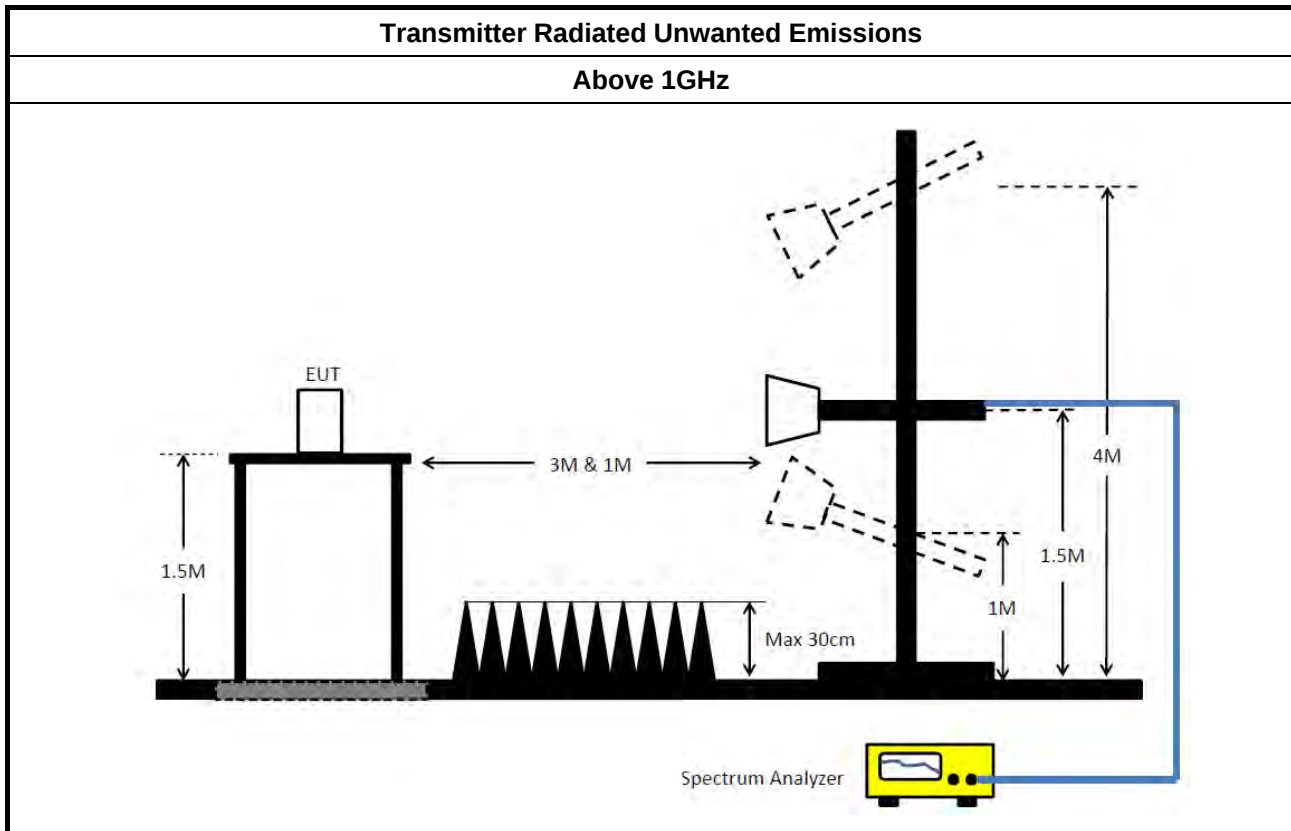
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method	
Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as FCC KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.
	Refer as FCC KDB 789033, clause G)1) for unwanted emissions into restricted bands.
	☐ Refer as FCC KDB 789033, G)6) Method AD (Trace Averaging).
	☒ Refer as FCC KDB 789033, G)6) Method VB (Reduced VBW).
	☐ Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW $\geq$ 1/T, where T is pulse time.
	☐ Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
	☒ Refer as FCC KDB 789033, clause G)5) measurement procedure peak limit.
☐ Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.	
For radiated measurement.	
	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.
The any unwanted emissions level shall not exceed the fundamental emission level.	
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.	

3.4.4 Test Setup



3.4.5 Test Result of Transmitter Unwanted Emissions

Refer as Appendix D



4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Nov. 13, 2018	Nov. 12, 2019	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jun. 28, 2018	Jun. 27, 2019	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 08, 2019	Jan. 07, 2020	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 04, 2018	Jul. 03, 2019	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Jan. 31, 2019	Jan. 30, 2020	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16+17	N/A	1 GHz ~ 18 GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#1	N/A	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#2	N/A	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Feb. 25, 2019	Feb. 24, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz ~ 26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz ~ 26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz ~ 26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz ~ 26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz ~ 26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-28	1 GHz ~ 26.5 GHz	Nov. 19, 2018	Nov. 18, 2019	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 05, 2018	Nov. 04, 2019	Conducted (TH01-CB)

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

EUT 1 <Internal antenna>
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
pi 4-DQPSK(2M)_Nss1_1TX	2.483M	1.917M	1M92G7D	2.463M	1.899M
pi 4-DQPSK(4M)_Nss1_1TX	4.51M	3.813M	3M81G7D	4.475M	3.778M
5.725-5.85GHz	-	-	-	-	-
pi 4-DQPSK(2M)_Nss1_1TX	1.698M	1.927M	1M93G7D	1.64M	1.902M
pi 4-DQPSK(4M)_Nss1_1TX	3.52M	3.793M	3M79G7D	3.415M	3.783M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

Max-OBW = Maximum 99% occupied bandwidth;

Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

Min-OBW = Minimum 99% occupied bandwidth;

Result

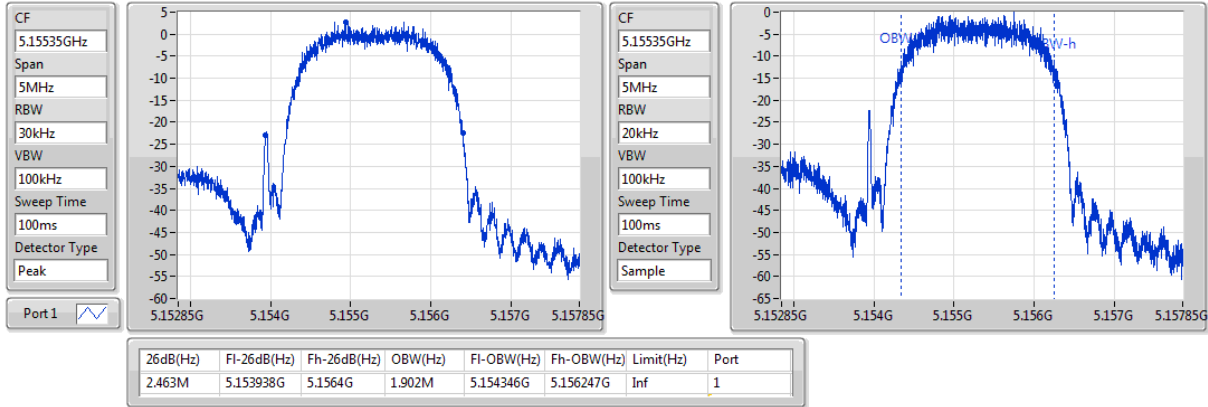
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
pi 4-DQPSK(2M)_Nss1_1TX	-	-	-	-
5155.35MHz	Pass	Inf	2.463M	1.902M
5203.35MHz	Pass	Inf	2.475M	1.899M
5247.35MHz	Pass	Inf	2.483M	1.917M
5726.35MHz	Pass	500k	1.64M	1.902M
5776.35MHz	Pass	500k	1.698M	1.922M
5824.35MHz	Pass	500k	1.675M	1.927M
pi 4-DQPSK(4M)_Nss1_1TX	-	-	-	-
5158.35MHz	Pass	Inf	4.51M	3.813M
5204.35MHz	Pass	Inf	4.485M	3.808M
5246.35MHz	Pass	Inf	4.475M	3.778M
5727.35MHz	Pass	500k	3.52M	3.783M
5775.35MHz	Pass	500k	3.415M	3.793M
5825.35MHz	Pass	500k	3.52M	3.783M

Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band

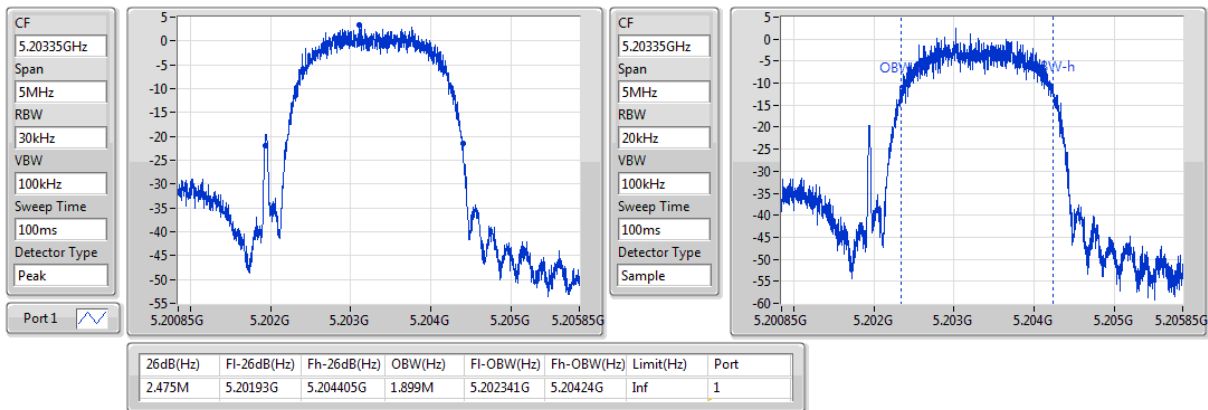
Port X-OBW = Port X 99% occupied bandwidth;

pi 4-DQPSK(2M)_Nss1_1TX
EBW
5155.35MHz

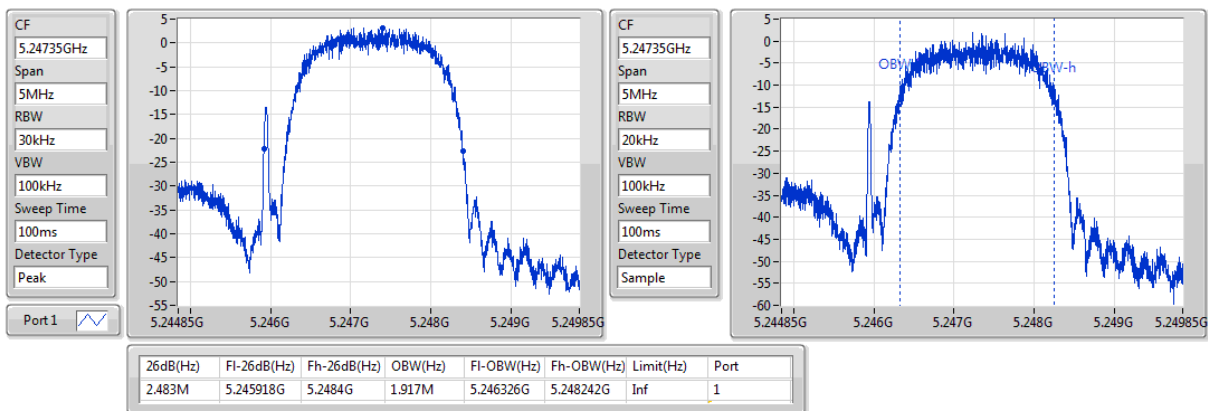
10/04/2019


pi 4-DQPSK(2M)_Nss1_1TX
EBW
5203.35MHz

10/04/2019

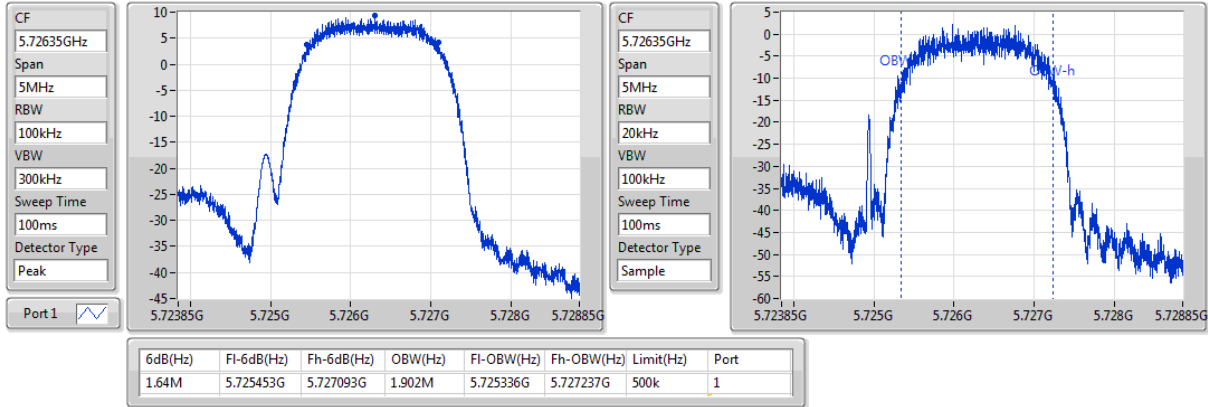

pi 4-DQPSK(2M)_Nss1_1TX
EBW
5247.35MHz

10/04/2019

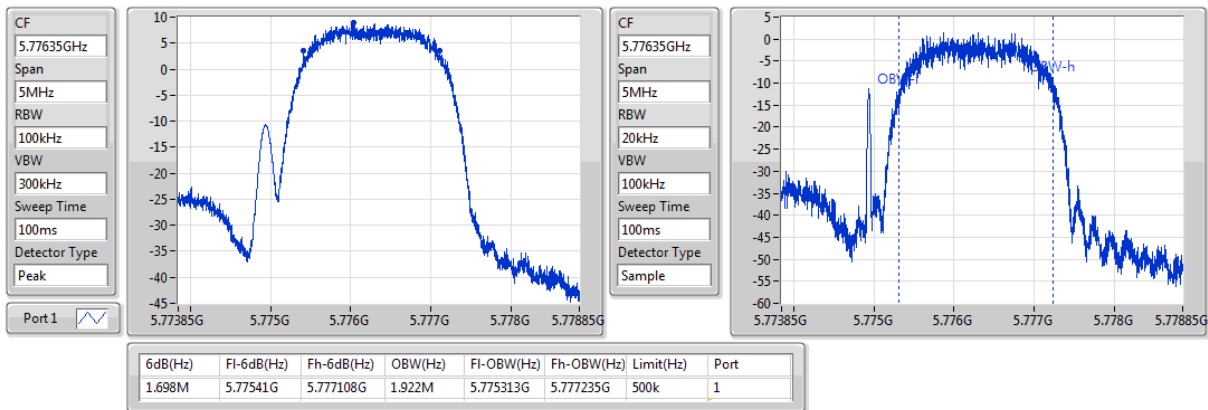


pi 4-DQPSK(2M)_Nss1_1TX
EBW
5726.35MHz

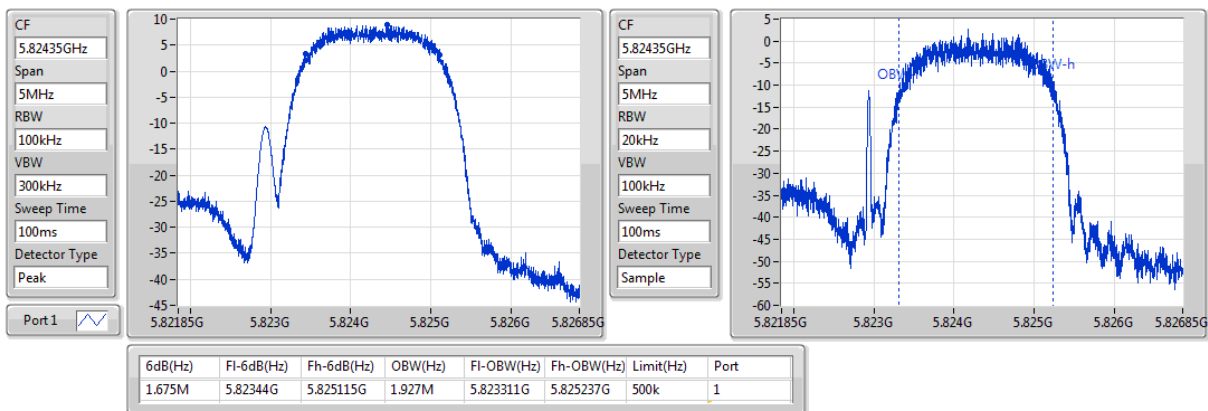
10/04/2019


pi 4-DQPSK(2M)_Nss1_1TX
EBW
5776.35MHz

10/04/2019

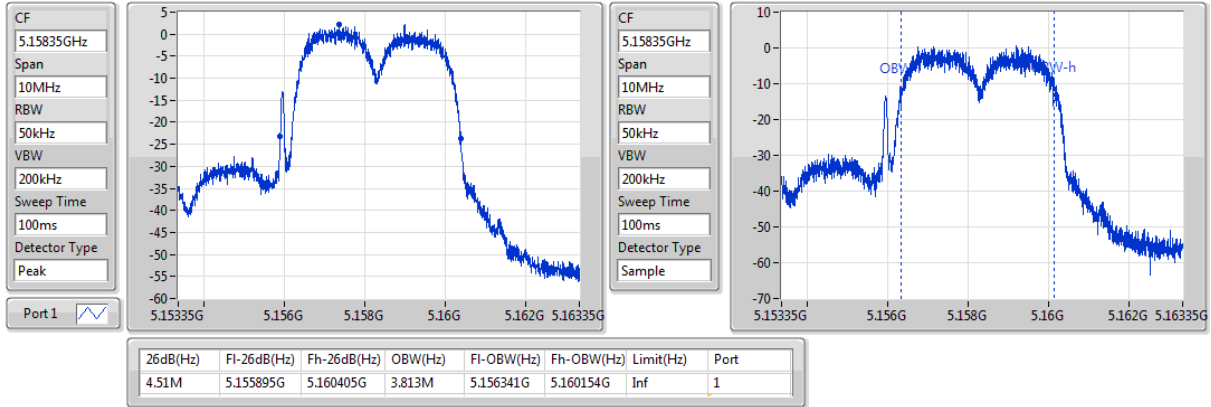

pi 4-DQPSK(2M)_Nss1_1TX
EBW
5824.35MHz

10/04/2019

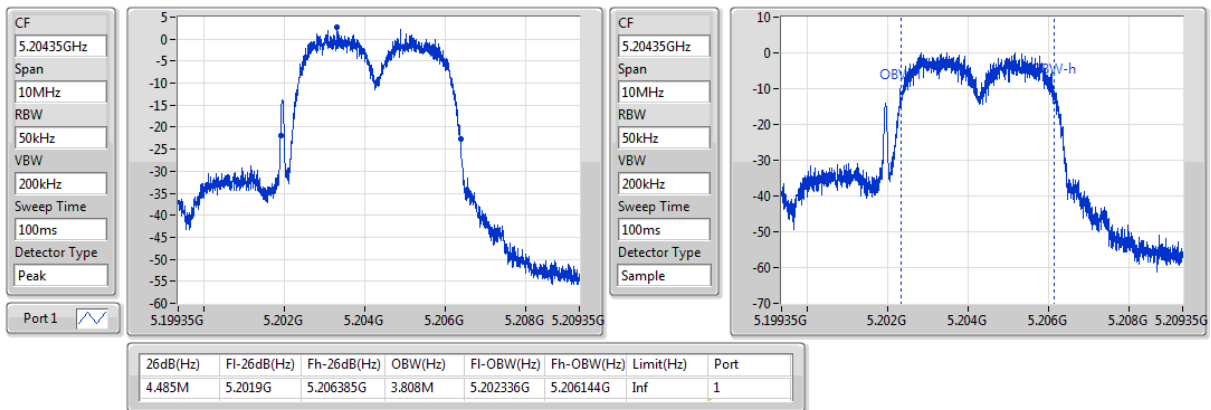


pi 4-DQPSK(4M)_Nss1_1TX
EBW
5158.35MHz

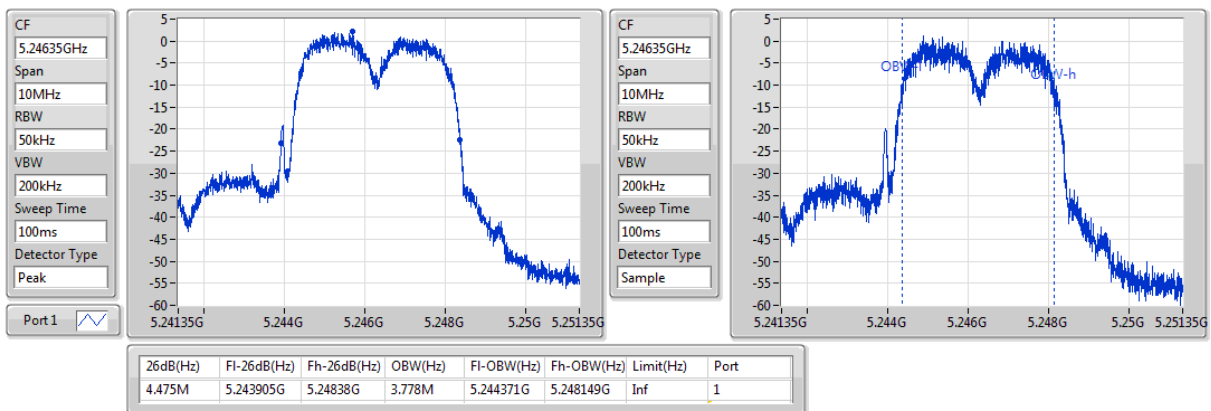
10/04/2019


pi 4-DQPSK(4M)_Nss1_1TX
EBW
5204.35MHz

10/04/2019

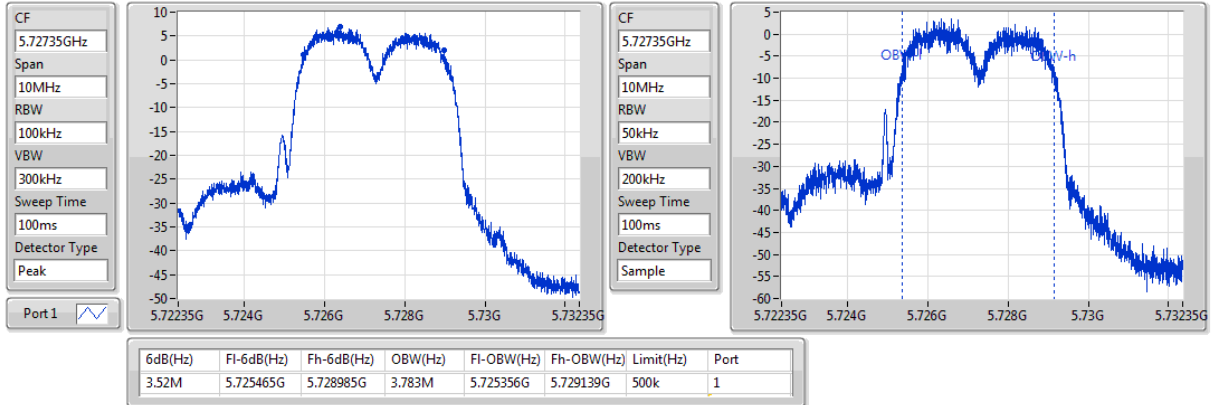

pi 4-DQPSK(4M)_Nss1_1TX
EBW
5246.35MHz

10/04/2019

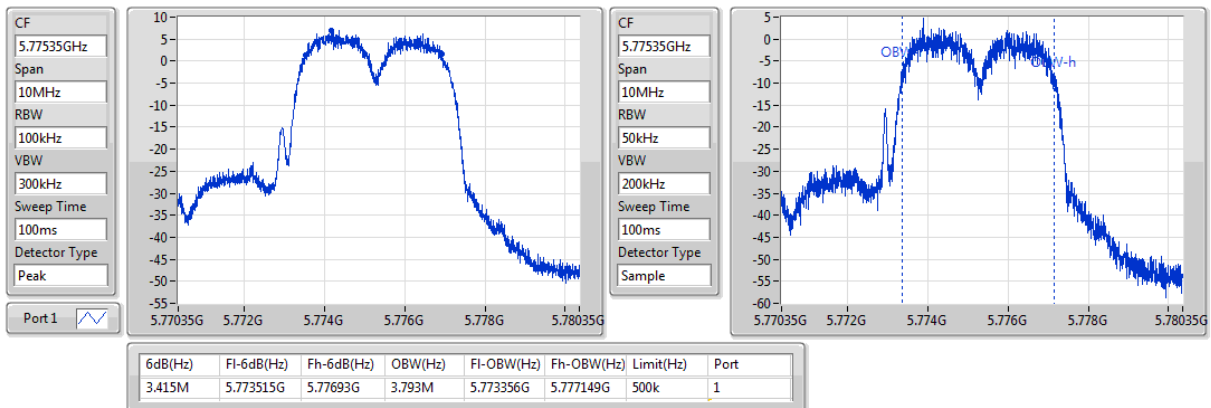


pi 4-DQPSK(4M)_Nss1_1TX
EBW
5727.35MHz

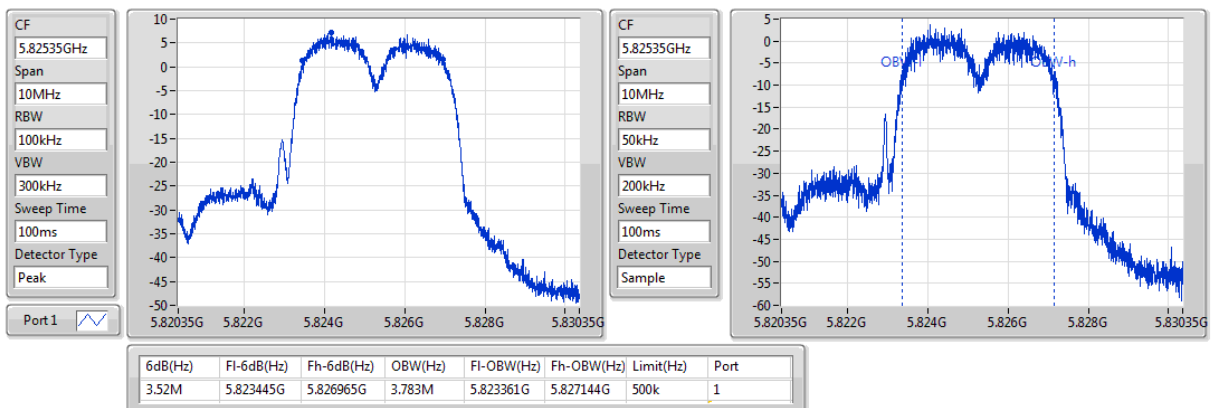
10/04/2019


pi 4-DQPSK(4M)_Nss1_1TX
EBW
5775.35MHz

10/04/2019


pi 4-DQPSK(4M)_Nss1_1TX
EBW
5825.35MHz

10/04/2019



EUT 2 <External antenna>
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
pi 4-DQPSK(2M)_1TX	2.478M	1.899M	1M90G7D	2.218M	1.894M
pi 4-DQPSK(4M)_1TX	4.475M	3.803M	3M80G7D	4.455M	3.783M
5.725-5.85GHz	-	-	-	-	-
pi 4-DQPSK(2M)_1TX	1.65M	1.917M	1M92G7D	1.628M	1.897M
pi 4-DQPSK(4M)_1TX	3.54M	3.793M	3M79G7D	3.48M	3.783M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

Max-OBW = Maximum 99% occupied bandwidth;

Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

Min-OBW = Minimum 99% occupied bandwidth;

Result

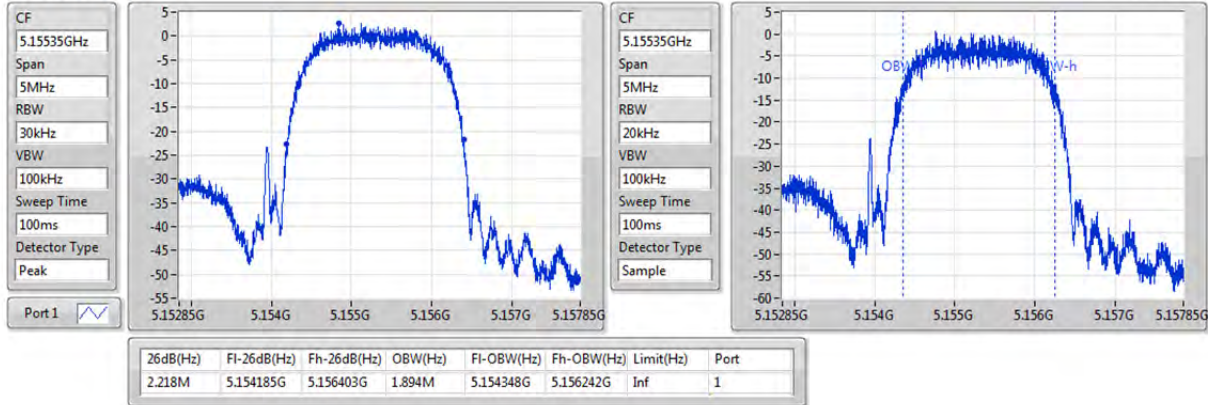
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
pi 4-DQPSK(2M)_1TX	-	-	-	-
5155.35MHz	Pass	Inf	2.218M	1.894M
5203.35MHz	Pass	Inf	2.45M	1.899M
5247.35MHz	Pass	Inf	2.478M	1.897M
5726.35MHz	Pass	500k	1.628M	1.897M
5776.35MHz	Pass	500k	1.643M	1.917M
5824.35MHz	Pass	500k	1.65M	1.899M
pi 4-DQPSK(4M)_1TX	-	-	-	-
5158.35MHz	Pass	Inf	4.455M	3.793M
5204.35MHz	Pass	Inf	4.475M	3.783M
5246.35MHz	Pass	Inf	4.465M	3.803M
5727.35MHz	Pass	500k	3.48M	3.788M
5775.35MHz	Pass	500k	3.54M	3.793M
5825.35MHz	Pass	500k	3.48M	3.783M

Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band

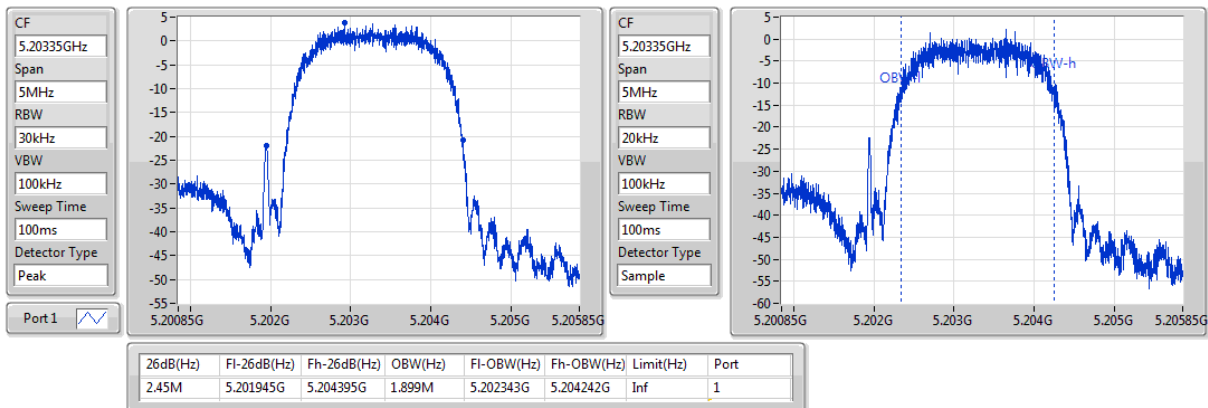
Port X-OBW = Port X 99% occupied bandwidth;

pi 4-DQPSK(2M)_1TX
EBW
5155.35MHz

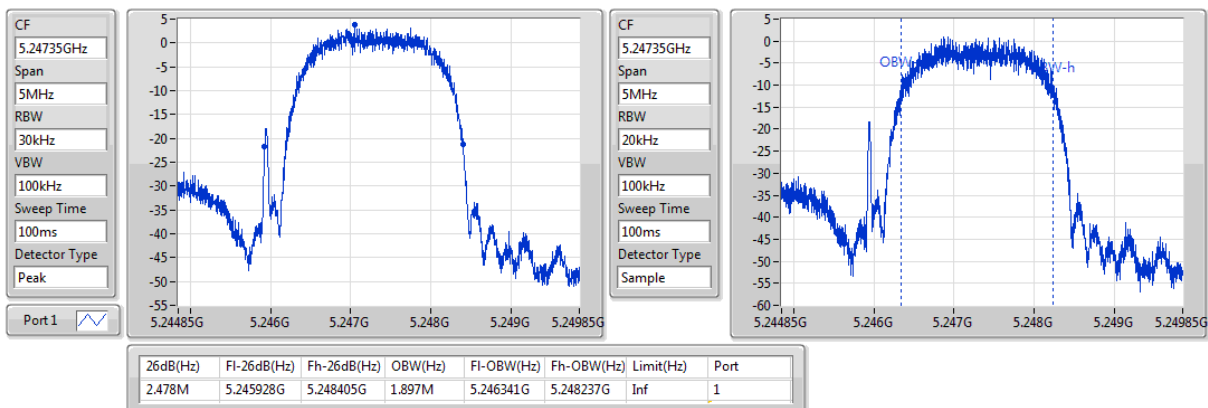
09/04/2019


pi 4-DQPSK(2M)_1TX
EBW
5203.35MHz

09/04/2019

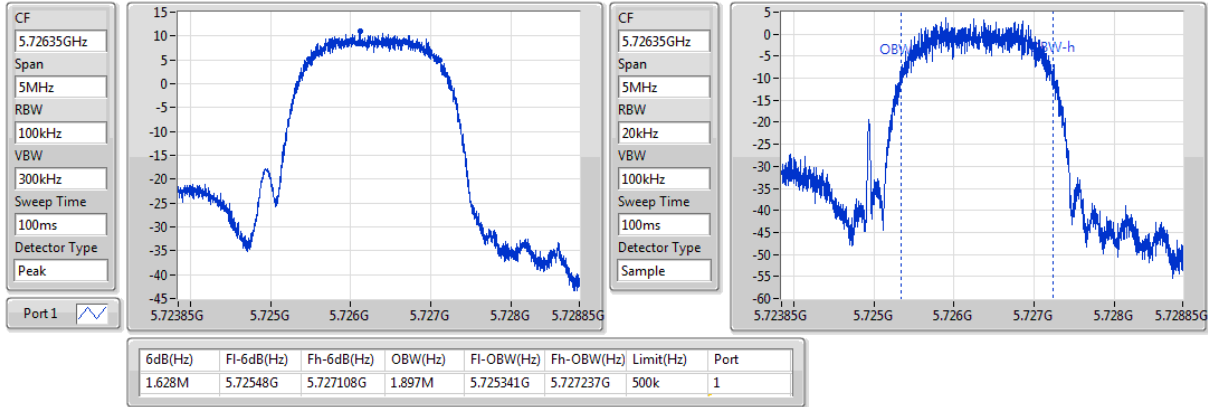

pi 4-DQPSK(2M)_1TX
EBW
5247.35MHz

09/04/2019

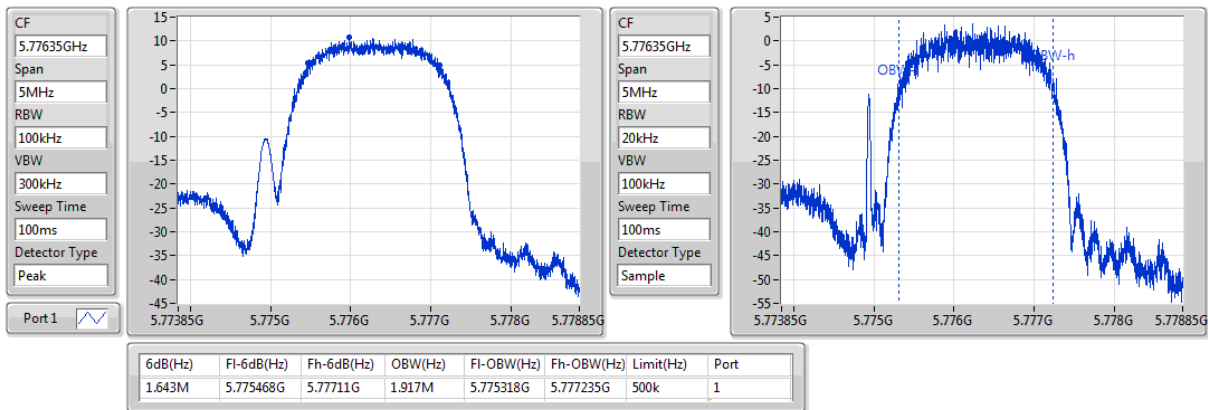


pi 4-DQPSK(2M)_1TX
EBW
5726.35MHz

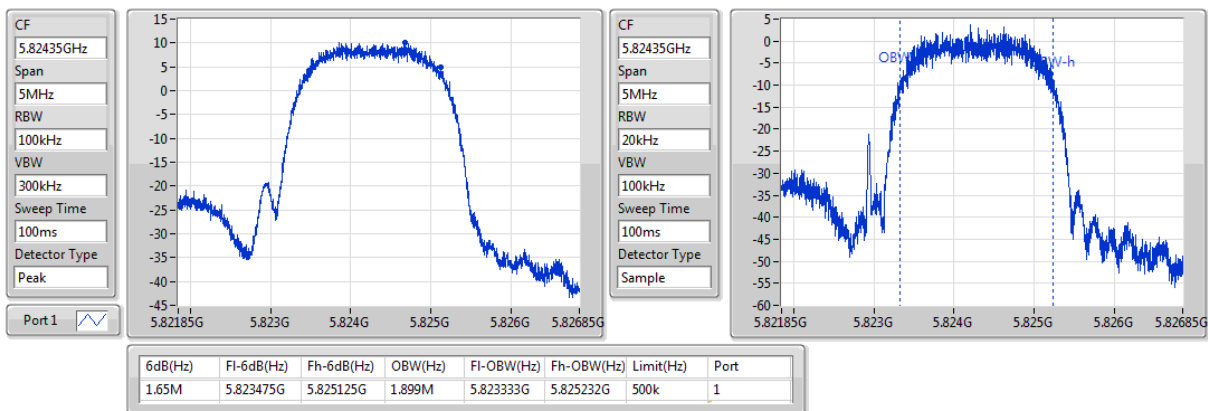
09/04/2019


pi 4-DQPSK(2M)_1TX
EBW
5776.35MHz

09/04/2019

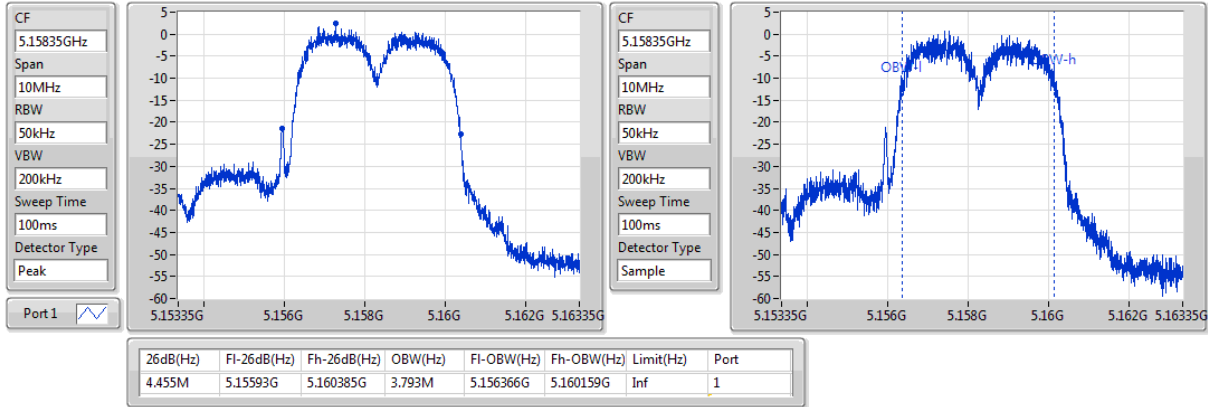

pi 4-DQPSK(2M)_1TX
EBW
5824.35MHz

09/04/2019

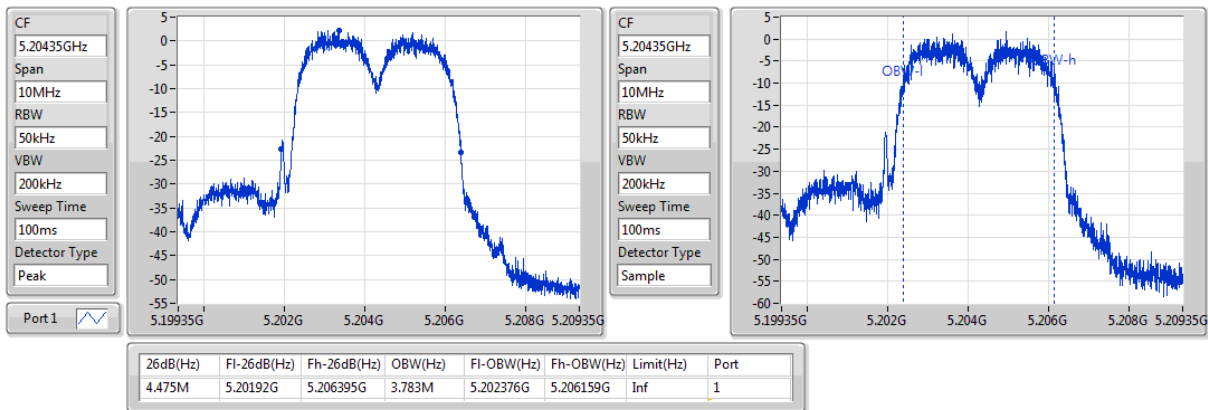


pi 4-DQPSK(4M)_1TX
EBW
5158.35MHz

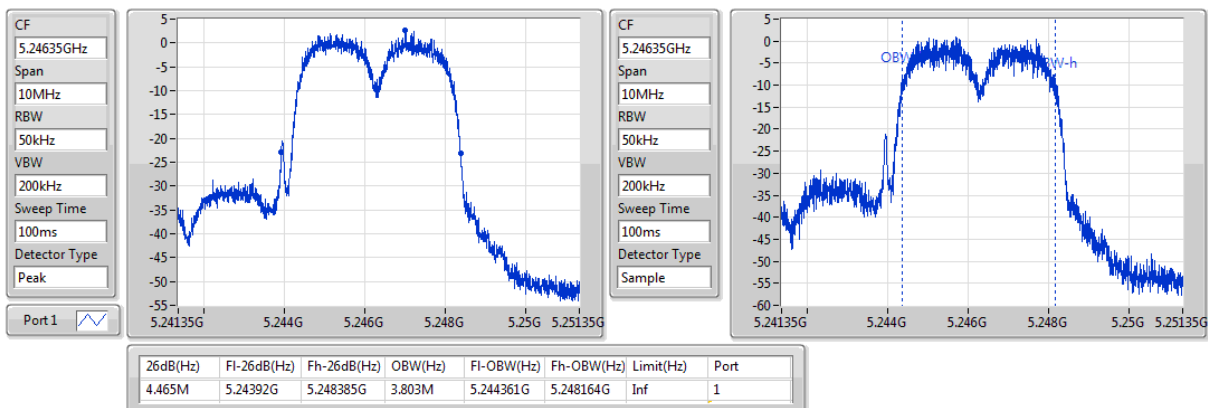
09/04/2019


pi 4-DQPSK(4M)_1TX
EBW
5204.35MHz

09/04/2019

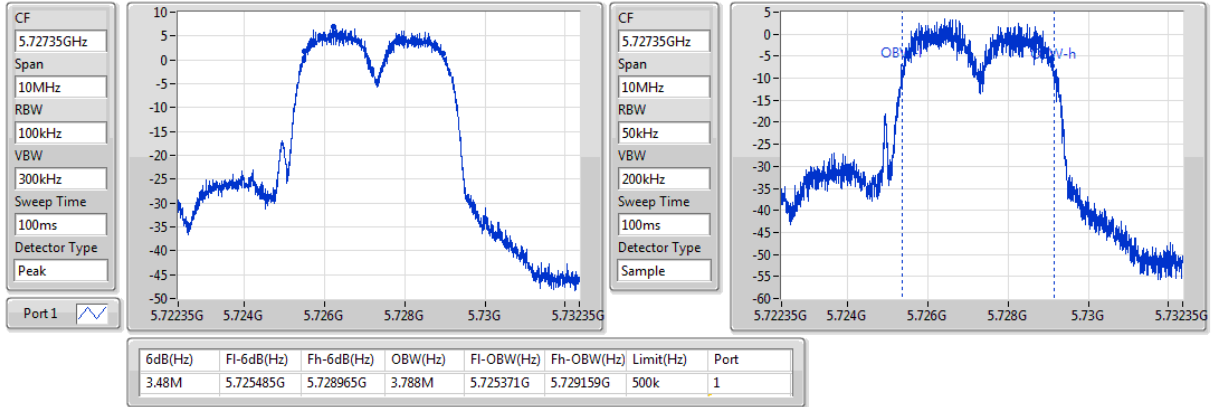

pi 4-DQPSK(4M)_1TX
EBW
5246.35MHz

09/04/2019

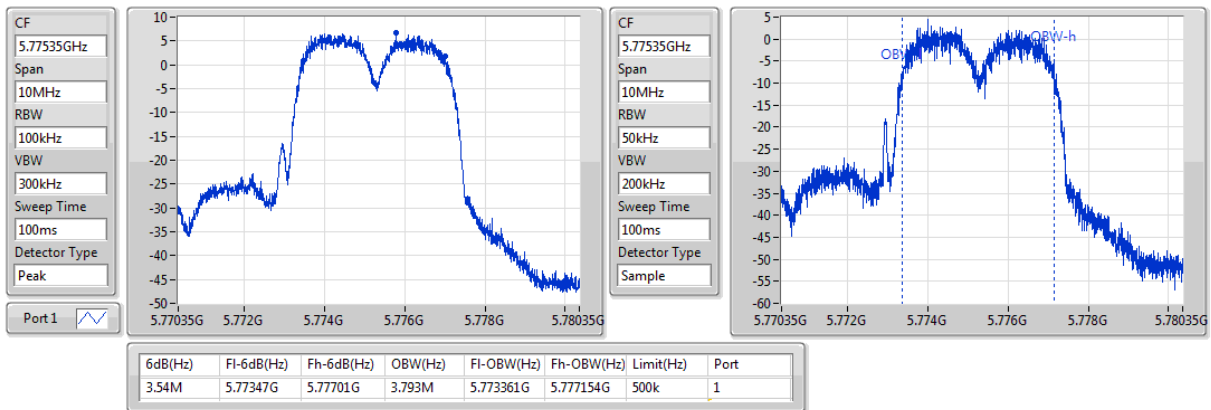


pi 4-DQPSK(4M)_1TX
EBW
5727.35MHz

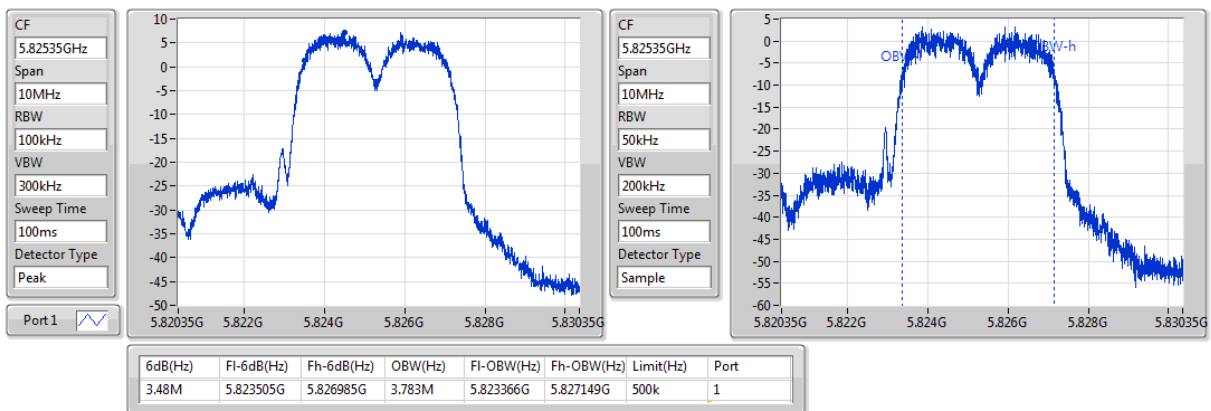
09/04/2019


pi 4-DQPSK(4M)_1TX
EBW
5775.35MHz

09/04/2019


pi 4-DQPSK(4M)_1TX
EBW
5825.35MHz

09/04/2019





EUT 1 <Internal antenna>

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
pi 4-DQPSK(2M)_Nss1_1TX	11.08	0.01282
pi 4-DQPSK(4M)_Nss1_1TX	10.03	0.01007
5.725-5.85GHz	-	-
pi 4-DQPSK(2M)_Nss1_1TX	12.14	0.01637
pi 4-DQPSK(4M)_Nss1_1TX	12.25	0.01679

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
pi 4-DQPSK(2M)_Nss1_1TX	-	-	-	-	-
5155.35MHz	Pass	4.32	10.38	10.38	23.98
5203.35MHz	Pass	4.32	10.92	10.92	23.98
5247.35MHz	Pass	4.32	11.08	11.08	23.98
5726.35MHz	Pass	4.90	12.12	12.12	30.00
5776.35MHz	Pass	4.90	12.14	12.14	30.00
5824.35MHz	Pass	4.90	12.00	12.00	30.00
pi 4-DQPSK(4M)_Nss1_1TX	-	-	-	-	-
5158.35MHz	Pass	4.32	9.99	9.99	23.98
5204.35MHz	Pass	4.32	9.70	9.70	23.98
5246.35MHz	Pass	4.32	10.03	10.03	23.98
5727.35MHz	Pass	4.90	12.25	12.25	30.00
5775.35MHz	Pass	4.90	12.02	12.02	30.00
5825.35MHz	Pass	4.90	12.07	12.07	30.00

DG = Directional Gain; **Port X** = Port X output power

EUT 2 <External antenna>**Summary**

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
pi 4-DQPSK(2M)_1TX	9.90	0.00977
pi 4-DQPSK(4M)_1TX	8.72	0.00745
5.725-5.85GHz	-	-
pi 4-DQPSK(2M)_1TX	11.69	0.01476
pi 4-DQPSK(4M)_1TX	10.84	0.01213

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
pi 4-DQPSK(2M)_1TX	-	-	-	-	-
5155.35MHz	Pass	4.17	9.01	9.01	23.98
5203.35MHz	Pass	4.17	9.90	9.90	23.98
5247.35MHz	Pass	4.17	9.45	9.45	23.98
5726.35MHz	Pass	4.35	11.35	11.35	30.00
5776.35MHz	Pass	4.35	11.69	11.69	30.00
5824.35MHz	Pass	4.35	11.20	11.20	30.00
pi 4-DQPSK(4M)_1TX	-	-	-	-	-
5158.35MHz	Pass	4.17	8.41	8.41	23.98
5204.35MHz	Pass	4.17	8.72	8.72	23.98
5246.35MHz	Pass	4.17	8.57	8.57	23.98
5727.35MHz	Pass	4.35	10.78	10.78	30.00
5775.35MHz	Pass	4.35	10.84	10.84	30.00
5825.35MHz	Pass	4.35	10.62	10.62	30.00

DG = Directional Gain; Port X = Port X output power

EUT 1 <Internal antenna>**Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
pi 4-DQPSK(2M)_Nss1_1TX	7.35
pi 4-DQPSK(4M)_Nss1_1TX	3.82
5.725-5.85GHz	-
pi 4-DQPSK(2M)_Nss1_1TX	6.84
pi 4-DQPSK(4M)_Nss1_1TX	4.71

RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
pi 4-DQPSK(2M)_Nss1_1TX	-	-	-	-	-
5155.35MHz	Pass	4.32	6.36	6.36	11.00
5203.35MHz	Pass	4.32	7.00	7.00	11.00
5247.35MHz	Pass	4.32	7.35	7.35	11.00
5726.35MHz	Pass	4.90	6.84	6.84	30.00
5776.35MHz	Pass	4.90	6.78	6.78	30.00
5824.35MHz	Pass	4.90	6.69	6.69	30.00
pi 4-DQPSK(4M)_Nss1_1TX	-	-	-	-	-
5158.35MHz	Pass	4.32	3.29	3.29	11.00
5204.35MHz	Pass	4.32	3.44	3.44	11.00
5246.35MHz	Pass	4.32	3.82	3.82	11.00
5727.35MHz	Pass	4.90	4.71	4.71	30.00
5775.35MHz	Pass	4.90	4.40	4.40	30.00
5825.35MHz	Pass	4.90	4.60	4.60	30.00

DG = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

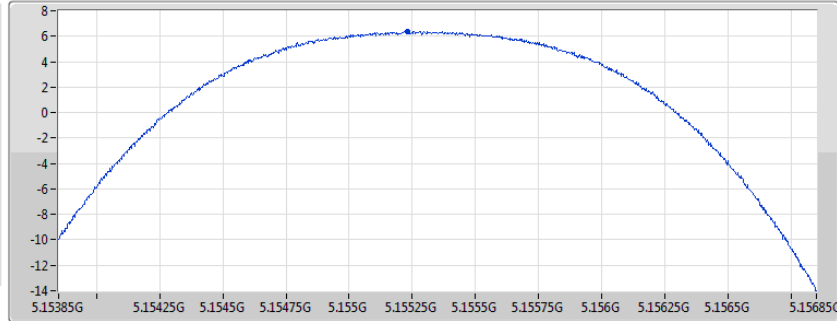
pi 4-DQPSK(2M)_Nss1_1TX

PSD

5155.35MHz

10/04/2019

CF
5.15535GHz
Span
3MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.36	6.36	6.36

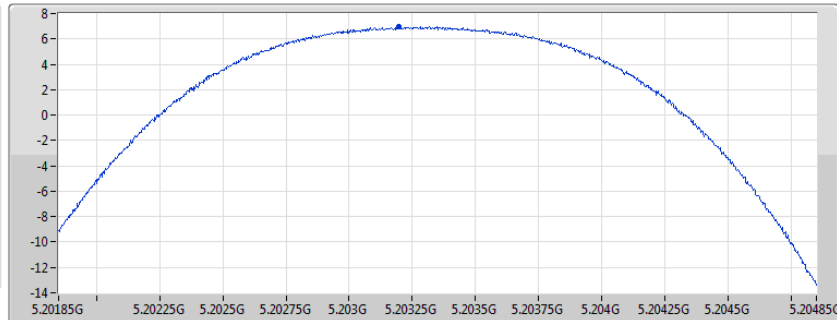
pi 4-DQPSK(2M)_Nss1_1TX

PSD

5203.35MHz

10/04/2019

CF
5.20335GHz
Span
3MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.00	7.00	7.00

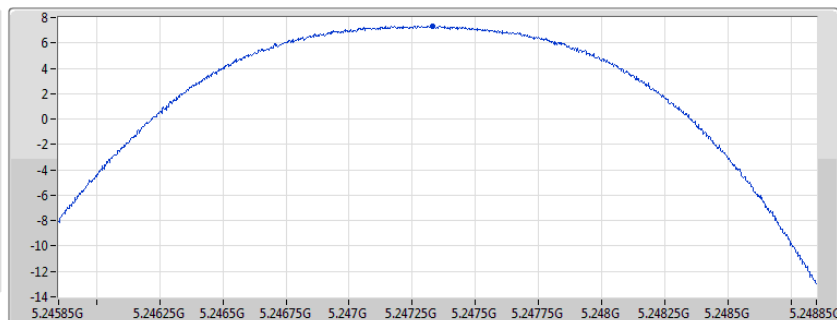
pi 4-DQPSK(2M)_Nss1_1TX

PSD

5247.35MHz

10/04/2019

CF
5.24735GHz
Span
3MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.35	7.35	7.35

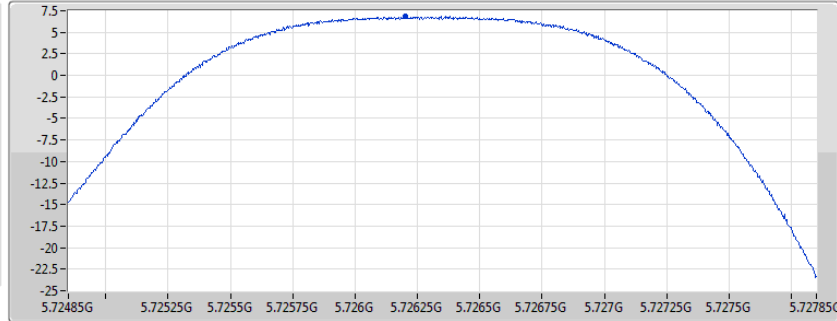
pi 4-DQPSK(2M)_Nss1_1TX

PSD

5726.35MHz

10/04/2019

CF
5.72635GHz
Span
3MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.84	6.84	6.84

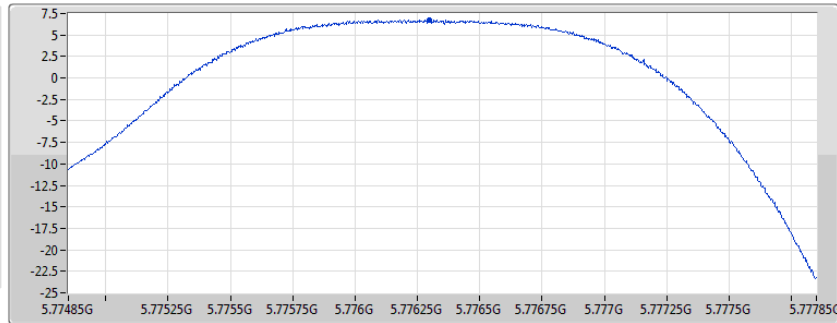
pi 4-DQPSK(2M)_Nss1_1TX

PSD

5776.35MHz

10/04/2019

CF
5.77635GHz
Span
3MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.78	6.78	6.78

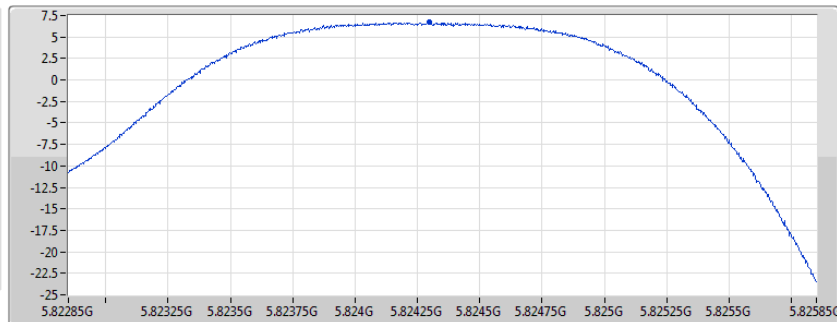
pi 4-DQPSK(2M)_Nss1_1TX

PSD

5824.35MHz

10/04/2019

CF
5.82435GHz
Span
3MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.69	6.69	6.69

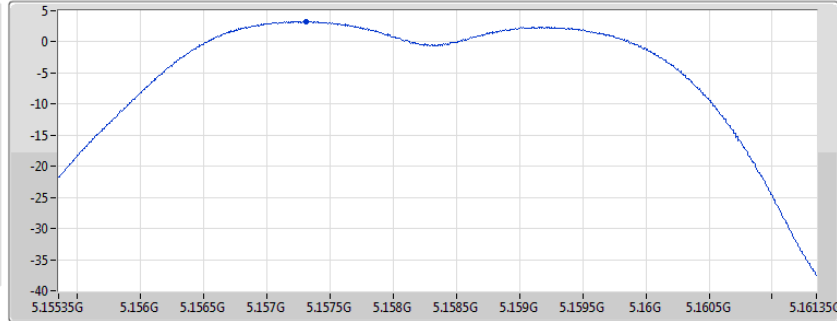
pi 4-DQPSK(4M)_Nss1_1TX

PSD

5158.35MHz

10/04/2019

CF
5.15835GHz
Span
6MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.29	3.29	3.29

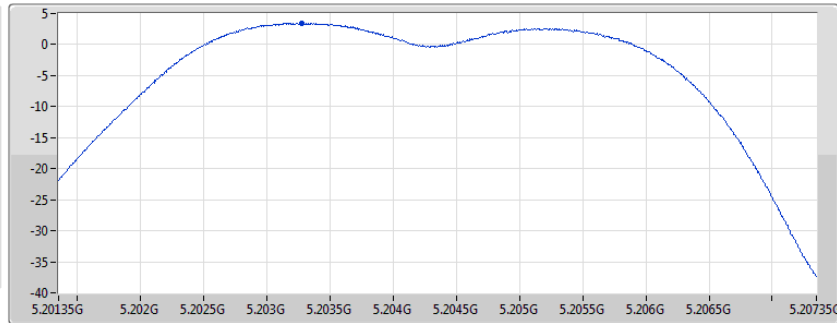
pi 4-DQPSK(4M)_Nss1_1TX

PSD

5204.35MHz

10/04/2019

CF
5.20435GHz
Span
6MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.44	3.44	3.44

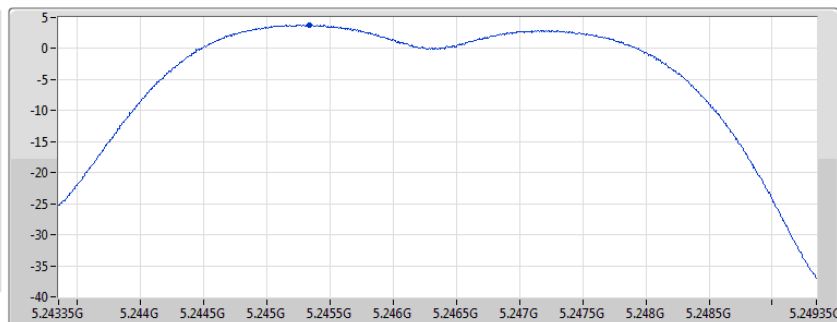
pi 4-DQPSK(4M)_Nss1_1TX

PSD

5246.35MHz

10/04/2019

CF
5.24635GHz
Span
6MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.82	3.82	3.82

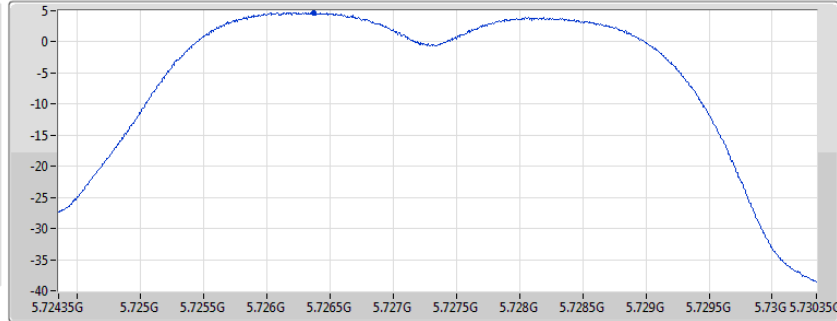
pi 4-DQPSK(4M)_Nss1_1TX

PSD

5727.35MHz

10/04/2019

CF
5.72735GHz
Span
6MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.71	4.71	4.71

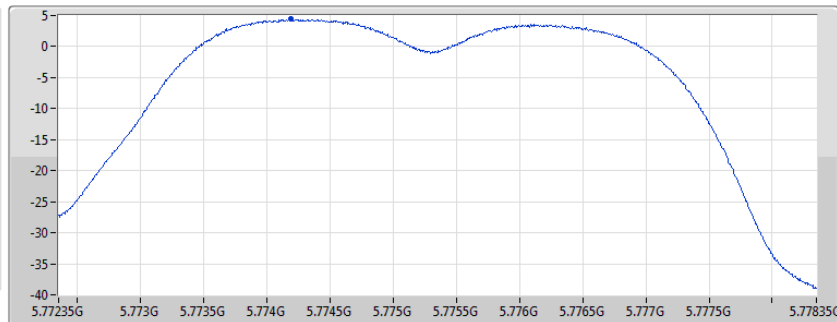
pi 4-DQPSK(4M)_Nss1_1TX

PSD

5775.35MHz

10/04/2019

CF
5.77535GHz
Span
6MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.40	4.40	4.40

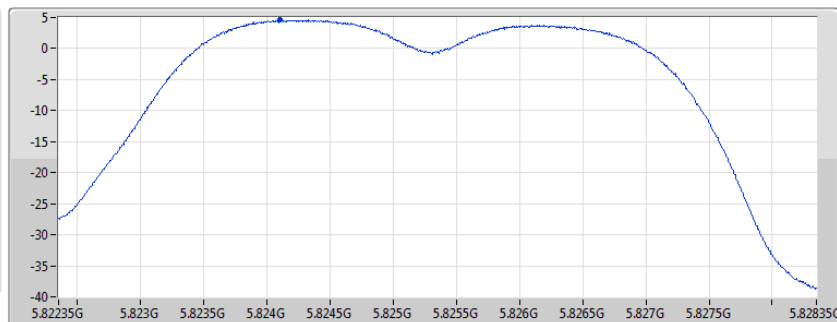
pi 4-DQPSK(4M)_Nss1_1TX

PSD

5825.35MHz

10/04/2019

CF
5.82535GHz
Span
6MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.60	4.60	4.60

EUT 2 <External antenna>**Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
pi 4-DQPSK(2M)_1TX	7.75
pi 4-DQPSK(4M)_1TX	4.02
5.725-5.85GHz	-
pi 4-DQPSK(2M)_1TX	8.42
pi 4-DQPSK(4M)_1TX	4.78

RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
pi 4-DQPSK(2M)_1TX	-	-	-	-	-
5155.35MHz	Pass	4.17	6.78	6.78	11.00
5203.35MHz	Pass	4.17	7.75	7.75	11.00
5247.35MHz	Pass	4.17	7.27	7.27	11.00
5726.35MHz	Pass	4.35	8.37	8.37	30.00
5776.35MHz	Pass	4.35	8.42	8.42	30.00
5824.35MHz	Pass	4.35	8.19	8.19	30.00
pi 4-DQPSK(4M)_1TX	-	-	-	-	-
5158.35MHz	Pass	4.17	3.59	3.59	11.00
5204.35MHz	Pass	4.17	4.02	4.02	11.00
5246.35MHz	Pass	4.17	3.62	3.62	11.00
5727.35MHz	Pass	4.35	4.68	4.68	30.00
5775.35MHz	Pass	4.35	4.78	4.78	30.00
5825.35MHz	Pass	4.35	4.66	4.66	30.00

DG = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

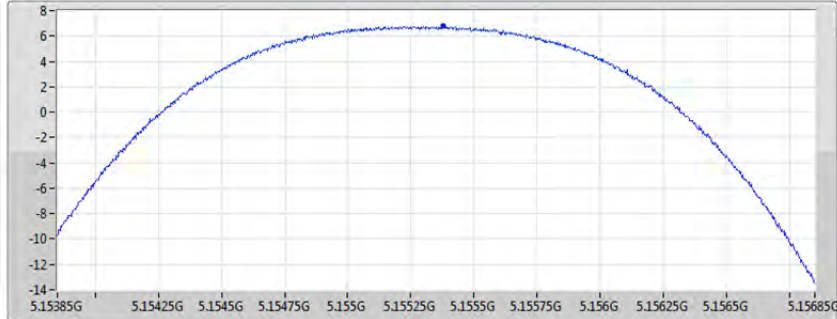
pi 4-DQPSK(2M)_1TX

PSD

5155.35MHz

09/04/2019

CF
5.15535GHz
Span
3MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.78	6.78	6.78

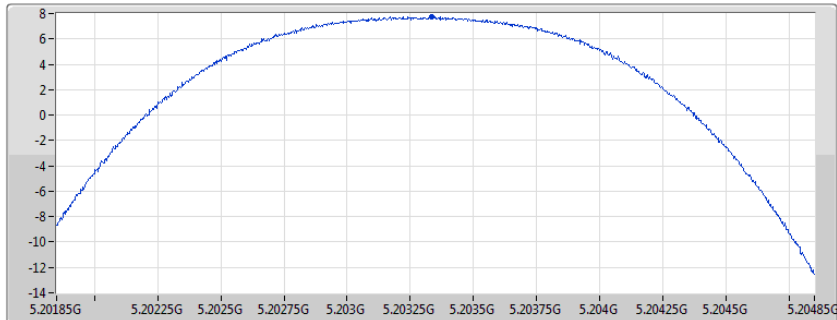
pi 4-DQPSK(2M)_1TX

PSD

5203.35MHz

09/04/2019

CF
5.20335GHz
Span
3MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.75	7.75	7.75

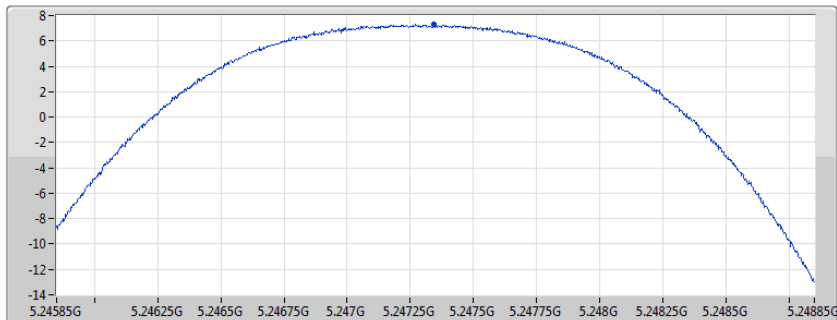
pi 4-DQPSK(2M)_1TX

PSD

5247.35MHz

09/04/2019

CF
5.24735GHz
Span
3MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.27	7.27	7.27

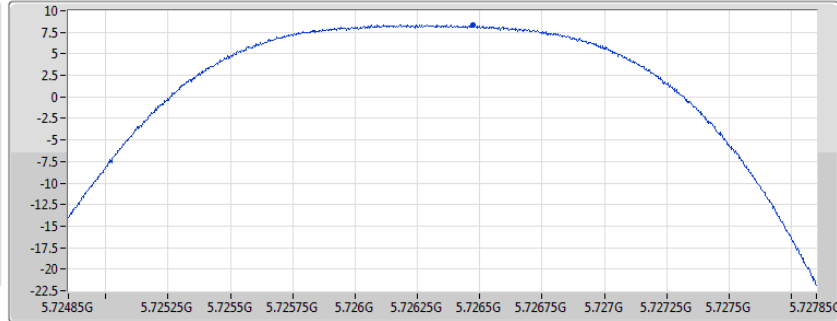
pi 4-DQPSK(2M)_1TX

5726.35MHz

PSD

09/04/2019

CF
5.72635GHz
Span
3MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.37	8.37	8.37

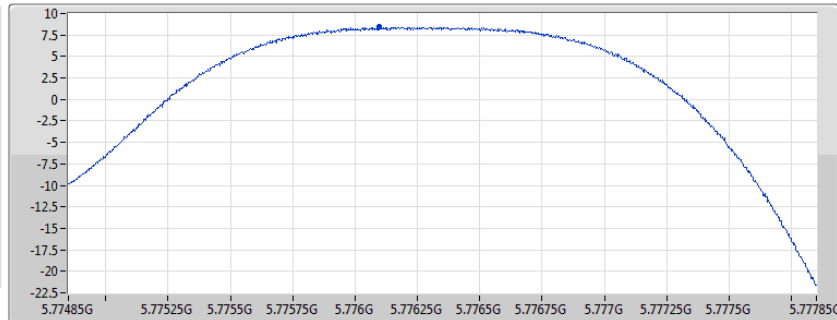
pi 4-DQPSK(2M)_1TX

5776.35MHz

PSD

09/04/2019

CF
5.77635GHz
Span
3MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.42	8.42	8.42

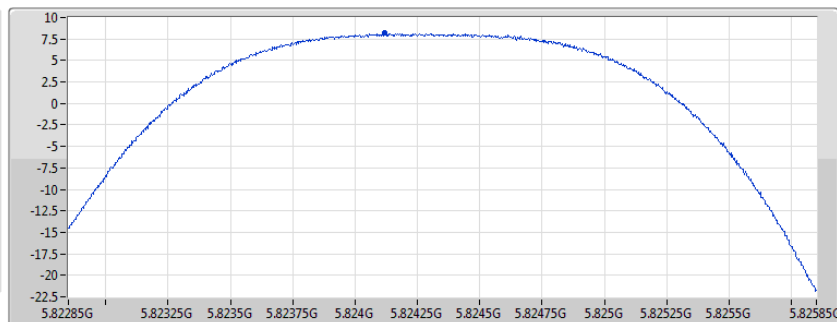
pi 4-DQPSK(2M)_1TX

5824.35MHz

PSD

09/04/2019

CF
5.82435GHz
Span
3MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.19	8.19	8.19

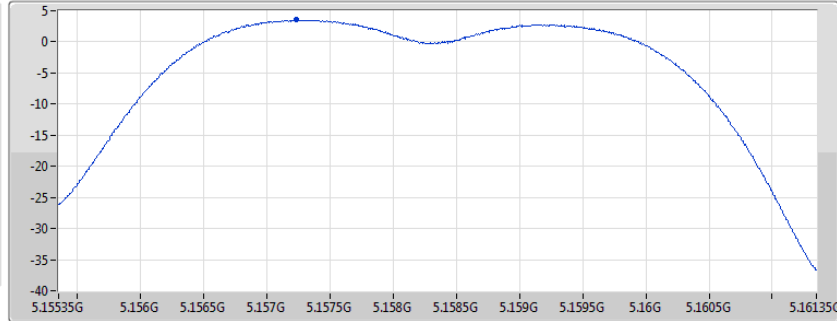
pi 4-DQPSK(4M)_1TX

PSD

5158.35MHz

09/04/2019

CF
5.15835GHz
Span
6MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.59	3.59	3.59

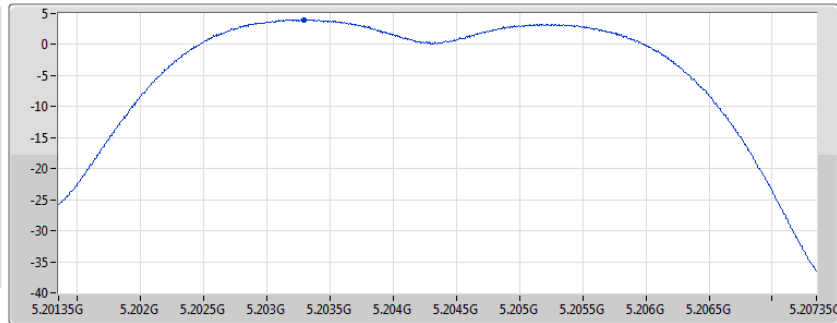
pi 4-DQPSK(4M)_1TX

PSD

5204.35MHz

09/04/2019

CF
5.20435GHz
Span
6MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.02	4.02	4.02

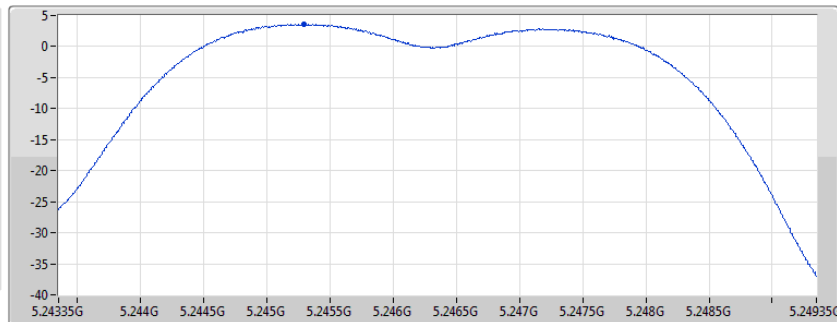
pi 4-DQPSK(4M)_1TX

PSD

5246.35MHz

09/04/2019

CF
5.24635GHz
Span
6MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.62	3.62	3.62

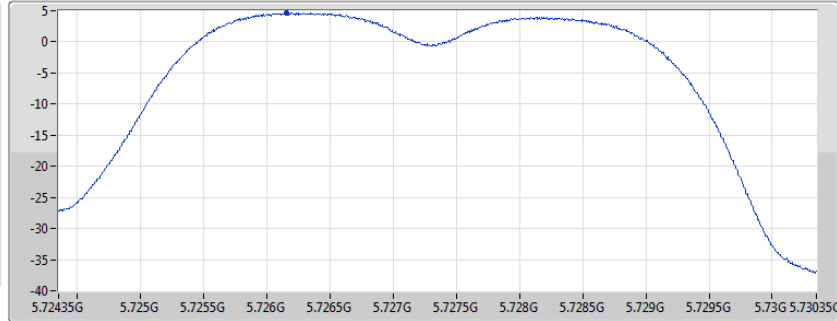
pi 4-DQPSK(4M)_1TX

5727.35MHz

PSD

09/04/2019

CF
5.72735GHz
Span
6MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.68	4.68	4.68

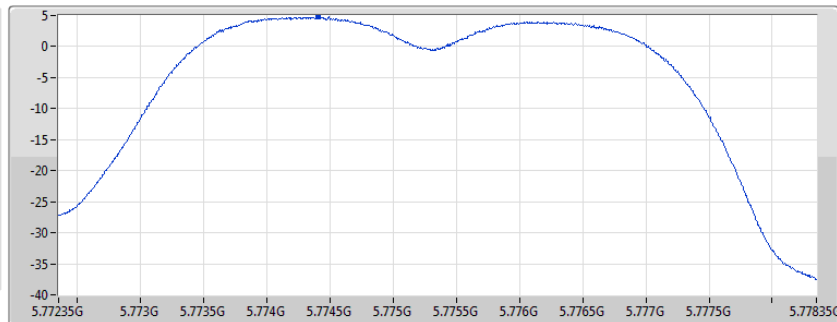
pi 4-DQPSK(4M)_1TX

5775.35MHz

PSD

09/04/2019

CF
5.77535GHz
Span
6MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.78	4.78	4.78

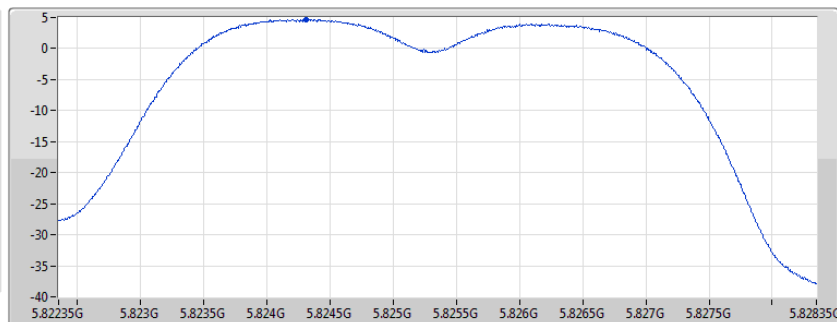
pi 4-DQPSK(4M)_1TX

5825.35MHz

PSD

09/04/2019

CF
5.82535GHz
Span
6MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.66	4.66	4.66

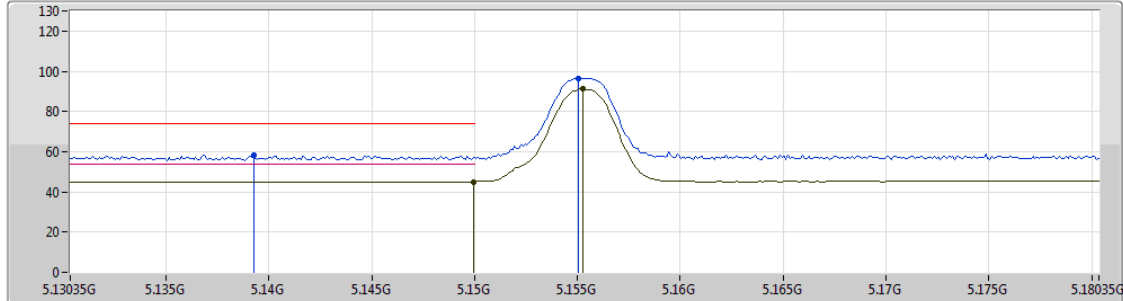
**EUT 1 <Internal antenna>****Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-
pi 4-DQPSK(4M)_Nss1_1TX	Pass	AV	11.64592G	50.15	54.00	-3.85	14.57	3	Vertical	317	1.11	-

pi 4-DQPSK(2M)_Nss1_1TX

29/03/2019

5155.35MHz_TX



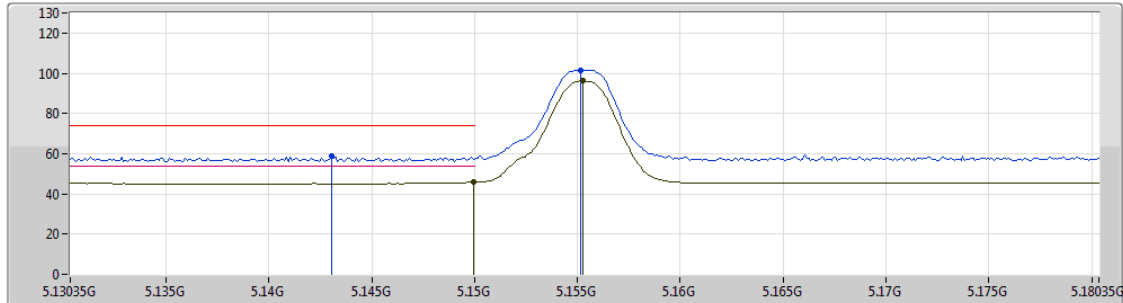
EUT Z_1TX_ANT 0
Setting Default
06-S-5-10
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	5.13925G	58.43	74.00	-15.57	7.26	3	Vertical	67	1.02								
AV	5.14995G	45.10	54.00	-8.90	7.27	3	Vertical	67	1.02								
PK	5.15505G	96.55	Inf	-Inf	7.29	3	Vertical	67	1.02								
AV	5.15525G	91.38	Inf	-Inf	7.29	3	Vertical	67	1.02								

pi 4-DQPSK(2M)_Nss1_1TX

29/03/2019

5155.35MHz_TX



Lim.PK ☒
 PK ☒
 Lim.AV ☒
 AV ☒

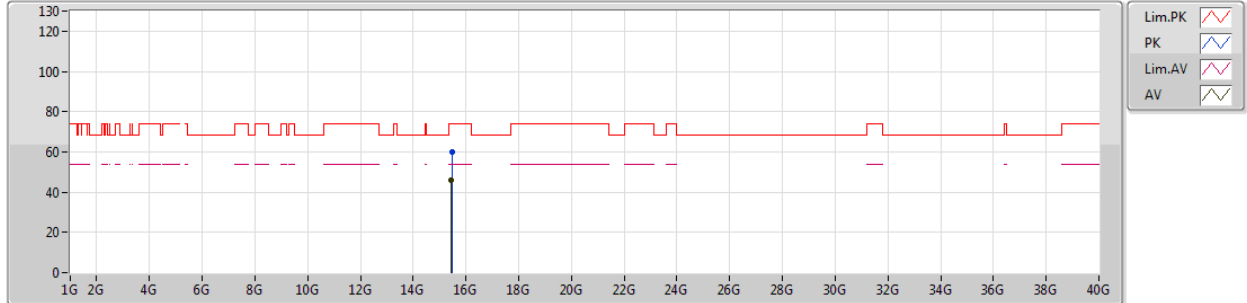
EUT_Z_1TX_ANT 0
 Setting Default
 06-S-5-10
 FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	5.14305G	58.74	74.00	-15.26	7.27	3	Horizontal	87	1.02								
AV	5.14995G	45.77	54.00	-8.23	7.27	3	Horizontal	87	1.02								
PK	5.15515G	101.66	Inf	-Inf	7.29	3	Horizontal	87	1.02								
AV	5.15525G	96.44	Inf	-Inf	7.29	3	Horizontal	87	1.02								

pi 4-DQPSK(2M)_Nss1_1TX

29/03/2019

5155.35MHz_TX



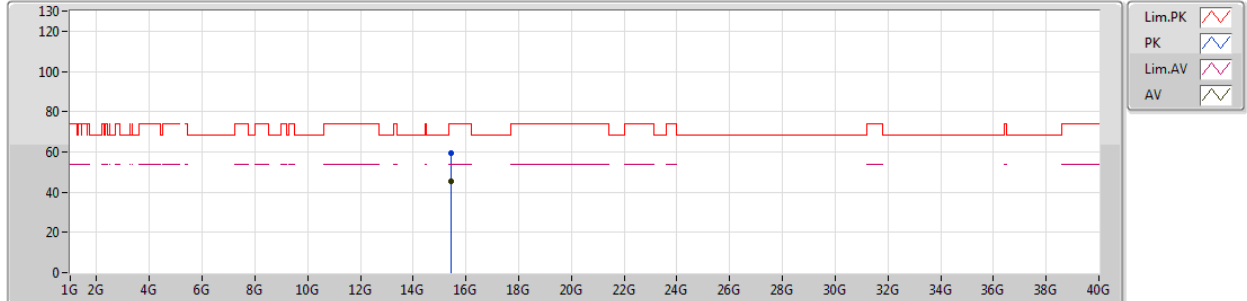
EUT_Z_1TX_ANT 0
Setting Default
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height								
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)								
PK	15.46955G	59.74	74.00	-14.26	17.40	3	Vertical	146	1.50								
AV	15.44275G	45.84	54.00	-8.16	17.53	3	Vertical	146	1.50								

pi 4-DQPSK(2M)_Nss1_1TX

29/03/2019

5155.35MHz_TX



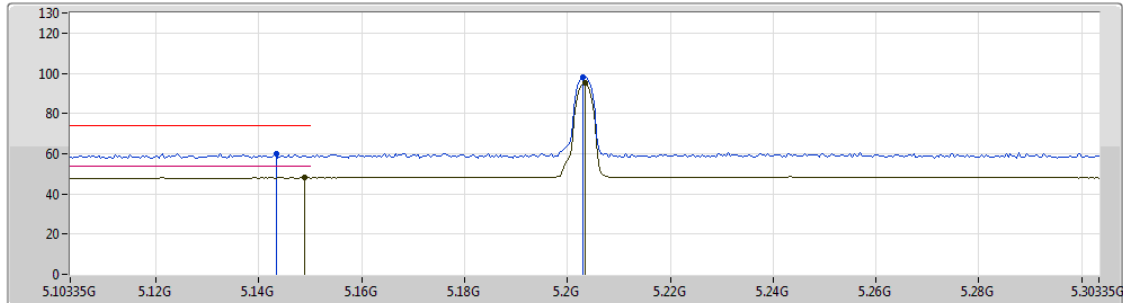
EUT_Z_1TX_ANT 0
Setting Default
06-S-5
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)						
PK	15.44155G	59.20	74.00	-14.80	17.53	3	Horizontal	53	1.50						
AV	15.44285G	45.53	54.00	-8.47	17.53	3	Horizontal	53	1.50						

pi 4-DQPSK(2M)_Nss1_1TX

29/03/2019

5203.35MHz_TX



Lim.PK ☒
 PK ☒
 Lim.AV ☒
 AV ☒

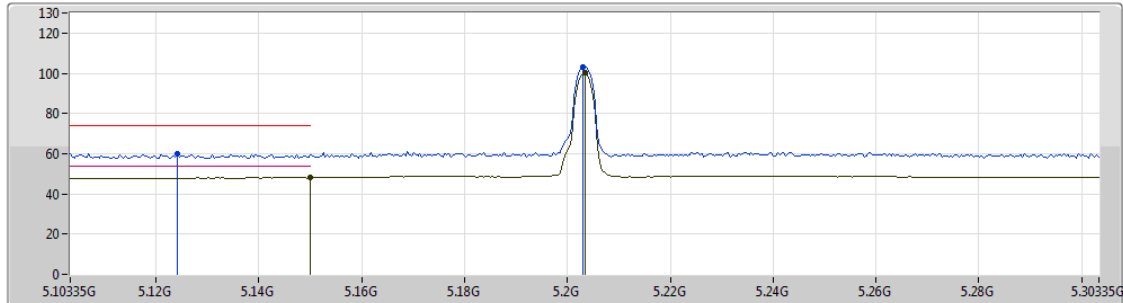
EUT Z_1TX_ANT 0
 Setting Default
 03-C-4-10
 FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	5.14335G	60.23	74.00	-13.77	5.81	3	Vertical	101	1.03								
AV	5.14895G	48.03	54.00	-5.97	5.83	3	Vertical	101	1.03								
PK	5.20295G	97.94	Inf	-Inf	5.92	3	Vertical	101	1.03								
AV	5.20335G	95.01	Inf	-Inf	5.92	3	Vertical	101	1.03								

pi 4-DQPSK(2M)_Nss1_1TX

29/03/2019

5203.35MHz_TX



Lim.PK
PK
Lim.AV
AV

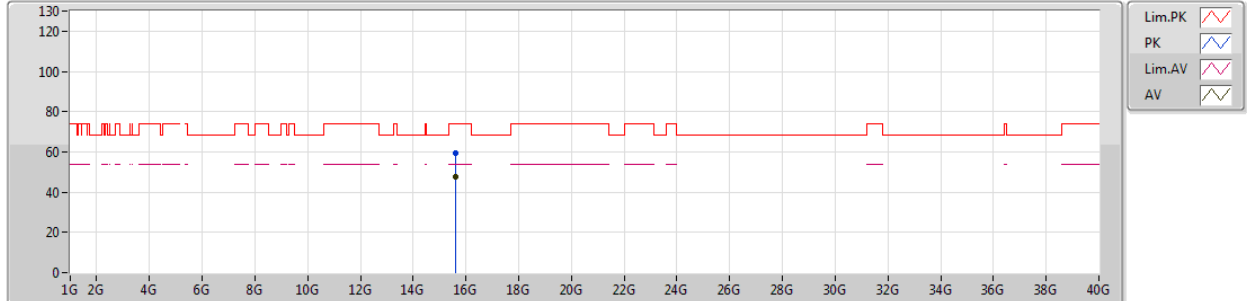
EUT_Z_1TX_ANT 0
Setting Default
03-C-4-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	5.12415G	60.04	74.00	-13.96	5.78	3	Horizontal	87	1.01								
AV	5.15G	48.18	54.00	-5.82	5.83	3	Horizontal	87	1.01								
PK	5.20295G	102.98	Inf	-Inf	5.92	3	Horizontal	87	1.01								
AV	5.20335G	100.07	Inf	-Inf	5.92	3	Horizontal	87	1.01								

pi 4-DQPSK(2M)_Nss1_1TX

29/03/2019

5203.35MHz_TX



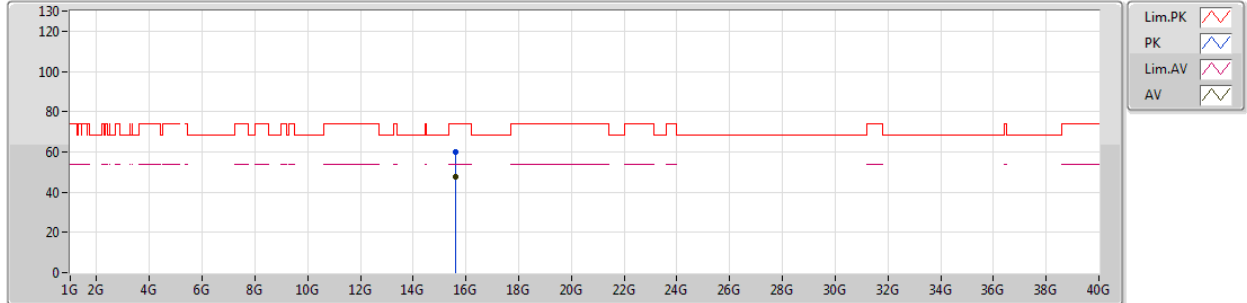
EUT_Z_1TX_ANT 0
Setting Default
03-C-4
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)						
PK	15.60941G	59.67	74.00	-14.33	14.99	3	Vertical	131	1.67						
AV	15.60005G	47.51	54.00	-6.49	15.03	3	Vertical	131	1.67						

pi 4-DQPSK(2M)_Nss1_1TX

29/03/2019

5203.35MHz_TX



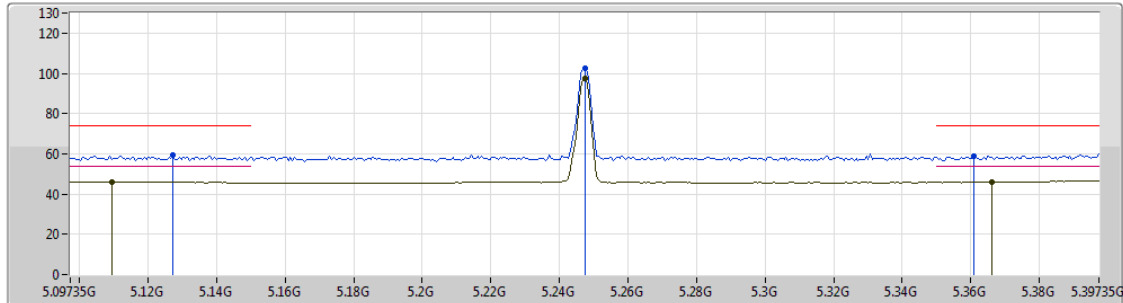
EUT_Z_1TX_ANT 0
Setting Default
03-C-4
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)						
PK	15.61233G	59.72	74.00	-14.28	14.98	3	Horizontal	256	2.42						
AV	15.60705G	47.54	54.00	-6.46	15.00	3	Horizontal	256	2.42						

pi 4-DQPSK(2M)_Nss1_1TX

09/04/2019

5247.35MHz_TX



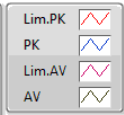
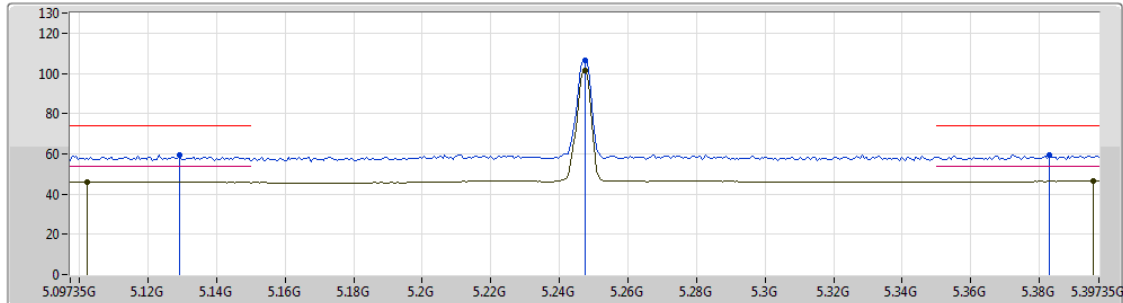
EUT Z_1TX_ANT 0
Setting Default
04-C-4-10
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	5.12735G	59.39	74.00	-14.61	5.79	3	Vertical	112	2.76								
AV	5.10935G	45.94	54.00	-8.06	5.76	3	Vertical	112	2.76								
PK	5.24735G	102.57	Inf	-Inf	6.05	3	Vertical	112	2.76								
AV	5.24735G	97.49	Inf	-Inf	6.05	3	Vertical	112	2.76								
PK	5.36075G	59.08	74.00	-14.92	6.32	3	Vertical	112	2.76								
AV	5.36615G	46.02	54.00	-7.98	6.34	3	Vertical	112	2.76								

pi 4-DQPSK(2M)_Nss1_1TX

09/04/2019

5247.35MHz_TX



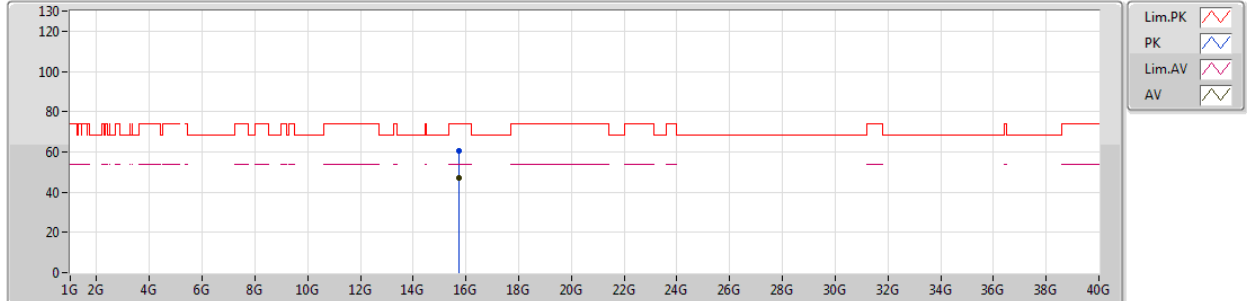
EUT_Z_1TX_ANT 0
Setting Default
04-C-4-10
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	5.12915G	59.41	74.00	-14.59	5.79	3	Horizontal	26	1.03								
AV	5.10215G	46.04	54.00	-7.96	5.74	3	Horizontal	26	1.03								
PK	5.24735G	106.69	Inf	-Inf	6.05	3	Horizontal	26	1.03								
AV	5.24735G	101.62	Inf	-Inf	6.05	3	Horizontal	26	1.03								
PK	5.38295G	59.27	74.00	-14.73	6.36	3	Horizontal	26	1.03								
AV	5.39555G	46.67	54.00	-7.33	6.40	3	Horizontal	26	1.03								

pi 4-DQPSK(2M)_Nss1_1TX

09/04/2019

5247.35MHz_TX



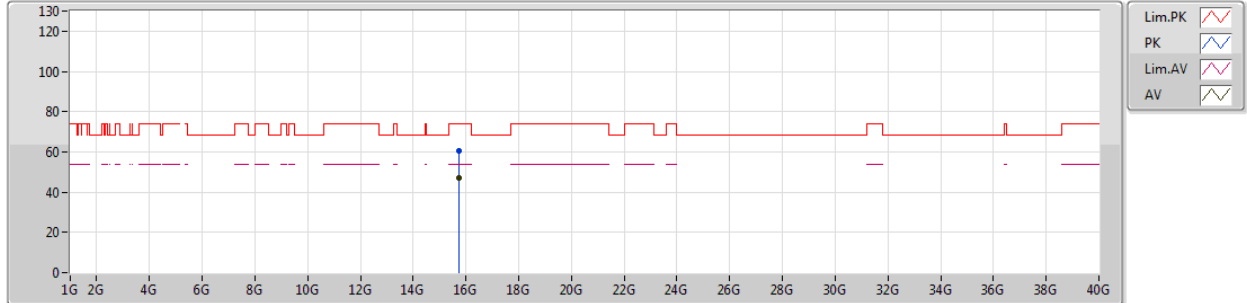
EUT_Z_1TX_ANT 0
Setting Default
04-C-4
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)						
PK	15.73461 G	60.46	74.00	-13.54	14.53	3	Vertical	216	1.52						
AV	15.73119 G	46.89	54.00	-7.11	14.54	3	Vertical	216	1.52						

pi 4-DQPSK(2M)_Nss1_1TX

09/04/2019

5247.35MHz_TX



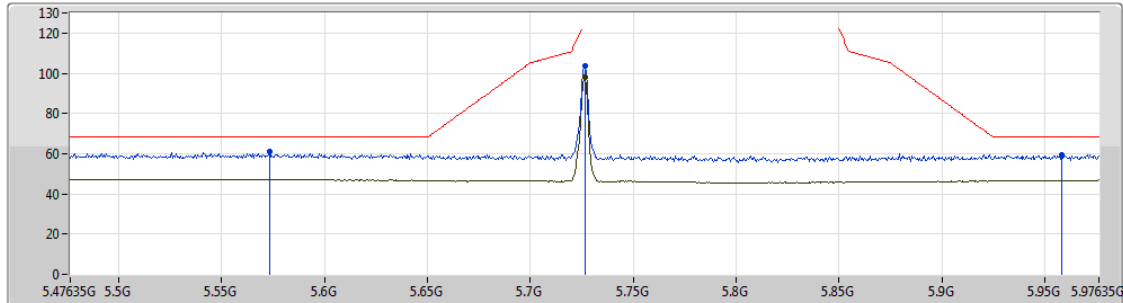
EUT_Z_1TX_ANT 0
Setting Default
04-C-4
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)						
PK	15.73779G	60.51	74.00	-13.49	14.51	3	Horizontal	89	1.46						
AV	15.73347G	46.91	54.00	-7.09	14.53	3	Horizontal	89	1.46						

pi 4-DQPSK(2M)_Nss1_1TX

29/03/2019

5726.35MHz_TX



Lim.PK
PK
Lim.AV
AV

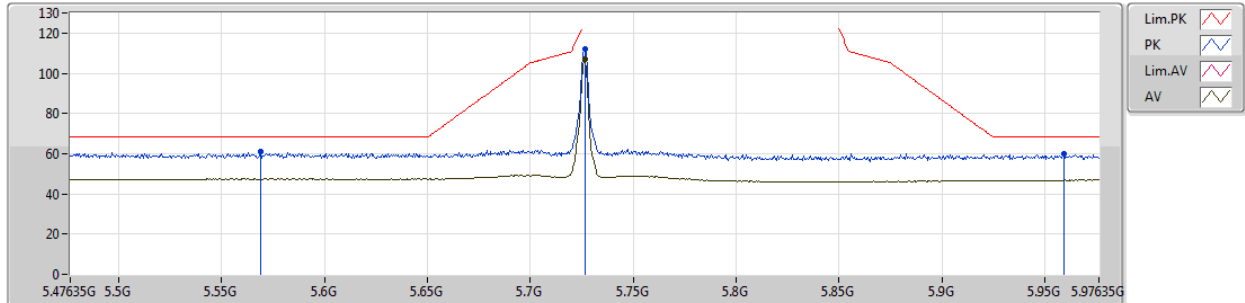
EUT_Z_1TX_ANT 0
Setting Default
03-K-3-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	5.57335G	60.95	68.20	-7.25	6.40	3	Vertical	76	1.06								
PK	5.72635G	103.48	Inf	-Inf	6.39	3	Vertical	76	1.06								
AV	5.72635G	98.25	Inf	-Inf	6.39	3	Vertical	76	1.06								
PK	5.95835G	59.25	68.20	-8.95	6.93	3	Vertical	76	1.06								

pi 4-DQPSK(2M)_Nss1_1TX

5726.35MHz_TX

29/03/2019



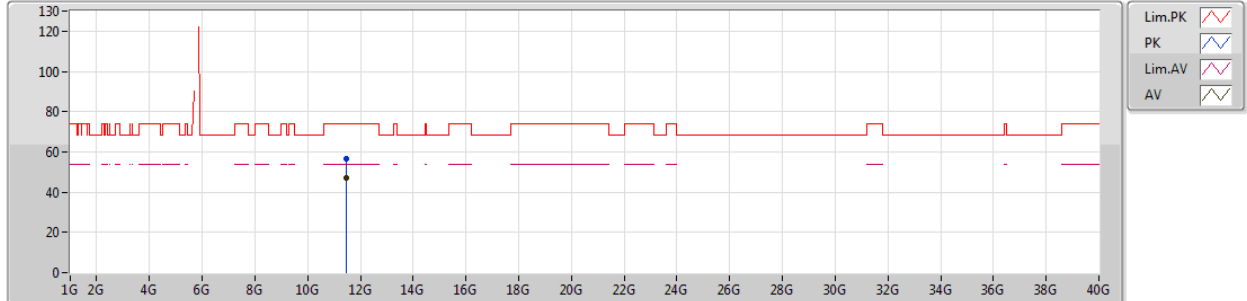
EUT_Z_1TX_ANT 0
Setting Default
03-K-3-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	5.56885G	60.80	68.20	-7.40	6.40	3	Horizontal	43	1.07								
PK	5.72635G	111.91	Inf	-Inf	6.39	3	Horizontal	43	1.07								
AV	5.72635G	106.85	Inf	-Inf	6.39	3	Horizontal	43	1.07								
PK	5.95935G	59.69	68.20	-8.51	6.93	3	Horizontal	43	1.07								

pi 4-DQPSK(2M)_Nss1_1TX

29/03/2019

5726.35MHz_TX



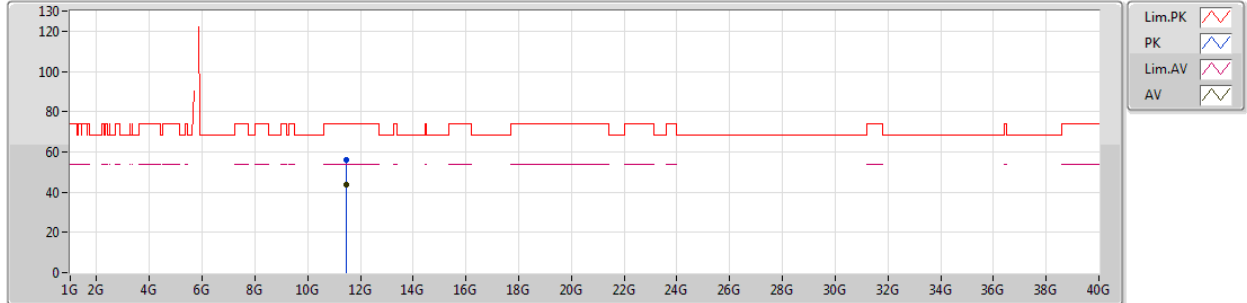
EUT_Z_1TX_ANT 0
Setting Default
03-K-3
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	11.45009G	56.52	74.00	-17.48	14.38	3	Vertical	308	1.08								
AV	11.44991G	47.07	54.00	-6.93	14.37	3	Vertical	308	1.08								

pi 4-DQPSK(2M)_Nss1_1TX

29/03/2019

5726.35MHz_TX



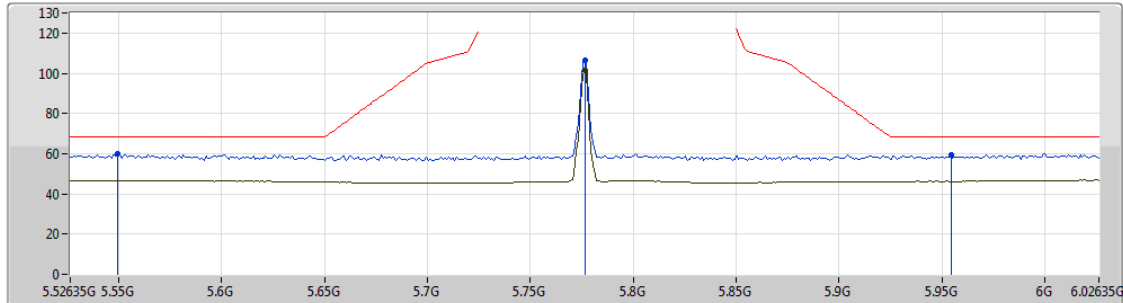
EUT_Z_1TX_ANT 0
Setting Default
03-K-3
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)						
PK	11.44985G	56.10	74.00	-17.90	14.37	3	Horizontal	168	1.01						
AV	11.44991G	43.96	54.00	-10.04	14.37	3	Horizontal	168	1.01						

pi 4-DQPSK(2M)_Nss1_1TX

08/04/2019

5776.35MHz_TX



Lim.PK
PK
Lim.AV
AV

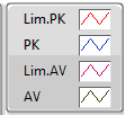
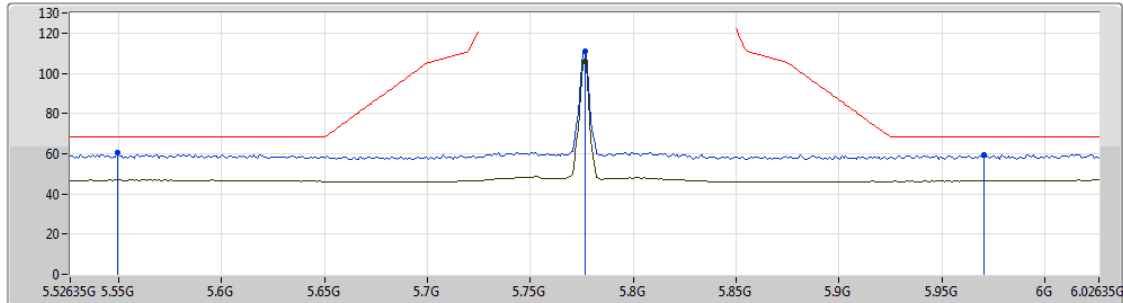
EUT_Z_1TX_ANT 0
Setting Default
03-B-4-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	5.54935G	59.84	68.20	-8.36	6.44	3	Vertical	349	2.99								
PK	5.77635G	106.21	Inf	-Inf	6.43	3	Vertical	349	2.99								
AV	5.77635G	101.18	Inf	-Inf	6.43	3	Vertical	349	2.99								
PK	5.95435G	59.51	68.20	-8.69	6.91	3	Vertical	349	2.99								

pi 4-DQPSK(2M)_Nss1_1TX

08/04/2019

5776.35MHz_TX



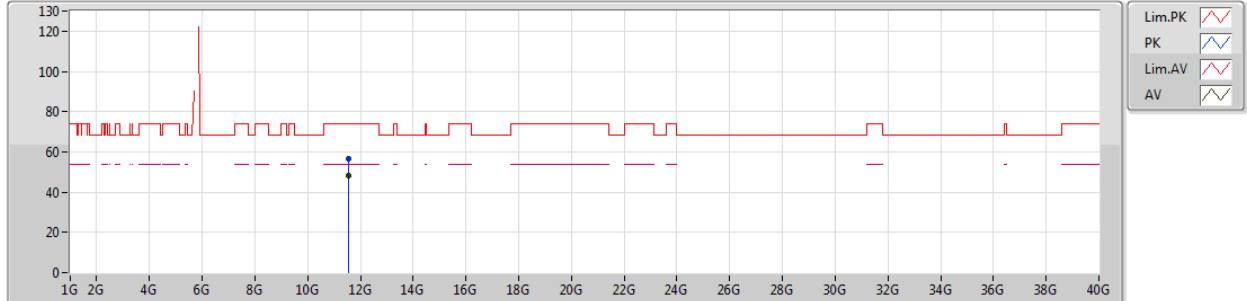
EUT_Z_1TX_ANT 0
Setting Default
03-B-4-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	5.54935G	60.39	68.20	-7.81	6.44	3	Horizontal	19	2.78								
PK	5.77635G	111.01	Inf	-Inf	6.43	3	Horizontal	19	2.78								
AV	5.77635G	105.86	Inf	-Inf	6.43	3	Horizontal	19	2.78								
PK	5.97035G	59.45	68.20	-8.75	6.97	3	Horizontal	19	2.78								

pi 4-DQPSK(2M)_Nss1_1TX

08/04/2019

5776.35MHz_TX



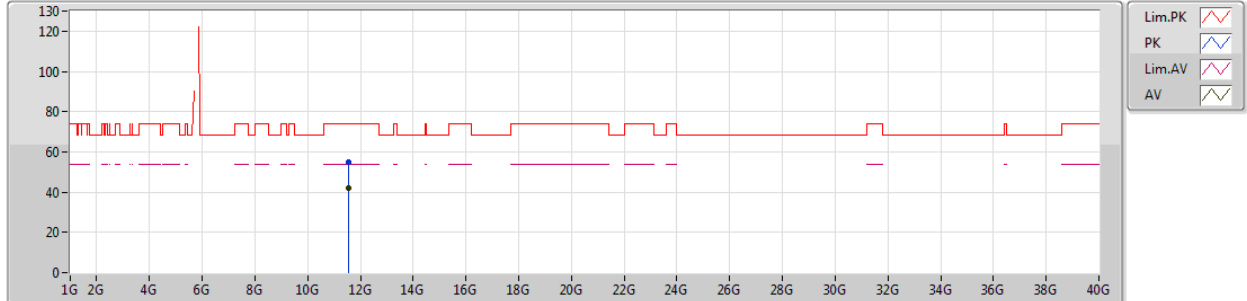
EUT_Z_1TX_ANT 0
Setting Default
03-B-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height								
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)								
PK	11.55G	56.62	74.00	-17.38	14.47	3	Vertical	180	1.01								
AV	11.54994G	48.42	54.00	-5.58	14.47	3	Vertical	180	1.01								

pi 4-DQPSK(2M)_Nss1_1TX

08/04/2019

5776.35MHz_TX



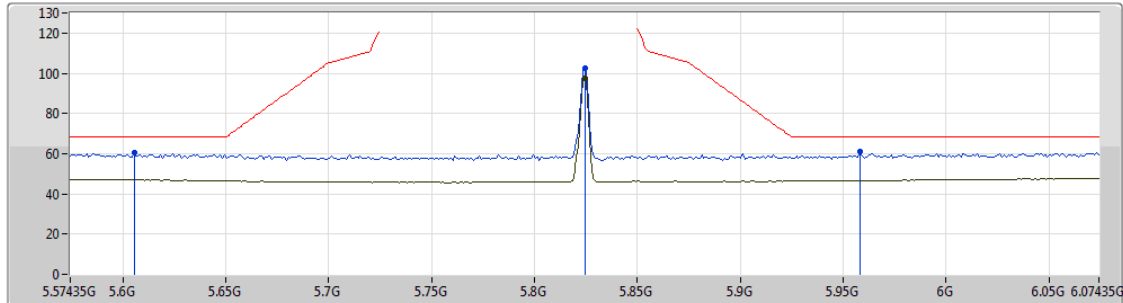
EUT_Z_1TX_ANT 0
Setting Default
03-B-4
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)						
PK	11.55468G	55.12	74.00	-18.88	14.48	3	Horizontal	135	2.72						
AV	11.54994G	42.17	54.00	-11.83	14.47	3	Horizontal	135	2.72						

pi 4-DQPSK(2M)_Nss1_1TX

29/03/2019

5824.35MHz_TX



Lim.PK
PK
Lim.AV
AV

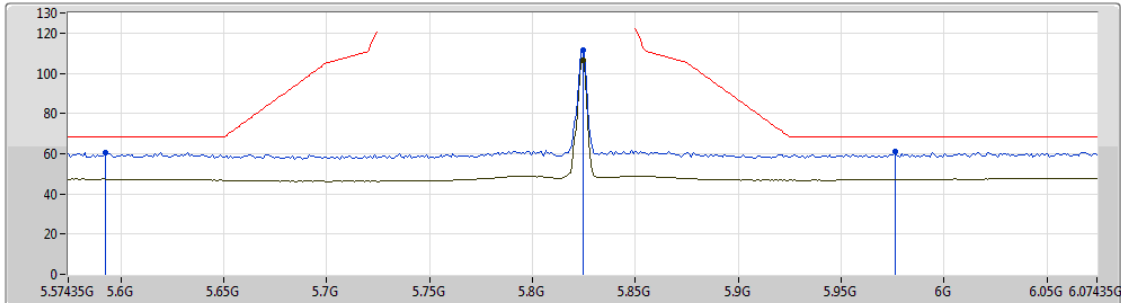
EUT Z_1TX_ANT 0
Setting Default
03-K-3-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	5.60535G	60.60	68.20	-7.60	6.37	3	Vertical	77	1.00								
PK	5.82435G	102.63	Inf	-Inf	6.53	3	Vertical	77	1.00								
AV	5.82435G	97.48	Inf	-Inf	6.53	3	Vertical	77	1.00								
PK	5.95835G	60.91	68.20	-7.29	6.93	3	Vertical	77	1.00								

pi 4-DQPSK(2M)_Nss1_1TX

29/03/2019

5824.35MHz_TX



Lim.PK
PK
Lim.AV
AV

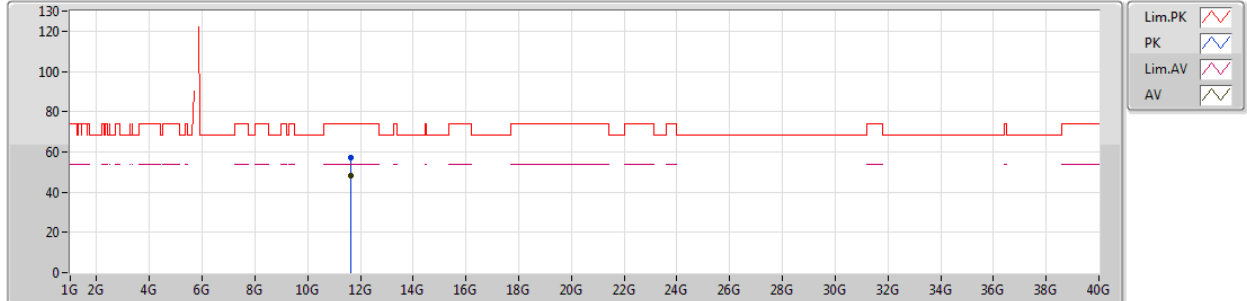
EUT_Z_1TX_ANT 0
Setting Default
03-K-3-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	5.59235G	60.77	68.20	-7.43	6.38	3	Horizontal	42	1.01								
PK	5.82435G	111.70	Inf	-Inf	6.53	3	Horizontal	42	1.01								
AV	5.82435G	106.63	Inf	-Inf	6.53	3	Horizontal	42	1.01								
PK	5.97635G	60.80	68.20	-7.40	6.99	3	Horizontal	42	1.01								

pi 4-DQPSK(2M)_Nss1_1TX

29/03/2019

5824.35MHz_TX



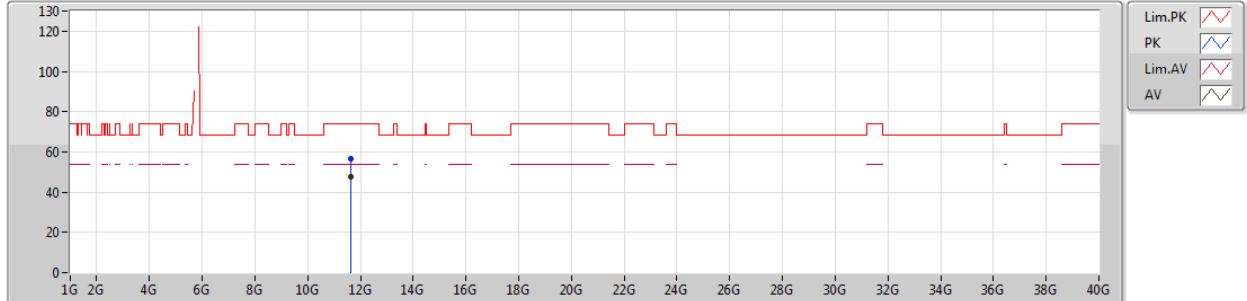
EUT_Z_1TX_ANT 0
Setting Default
03-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height								
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)								
PK	11.646G	57.19	74.00	-16.81	14.57	3	Vertical	360	1.03								
AV	11.64588G	48.39	54.00	-5.61	14.57	3	Vertical	360	1.03								

pi 4-DQPSK(2M)_Nss1_1TX

29/03/2019

5824.35MHz_TX



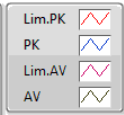
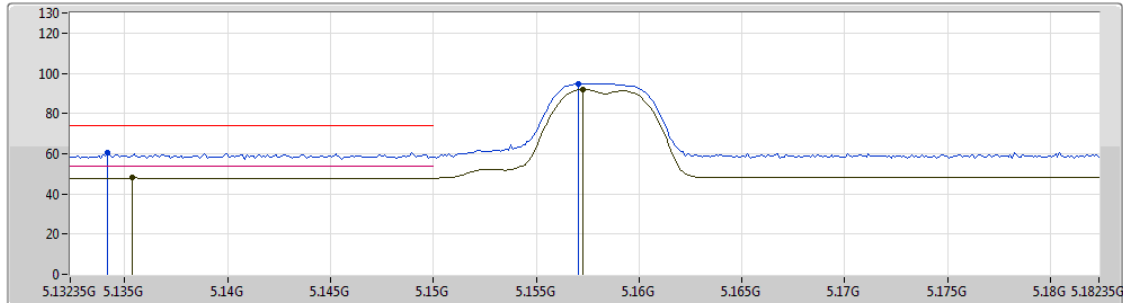
EUT_Z_1TX_ANT 0
Setting Default
03-K-3
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)						
PK	11.64584G	56.52	74.00	-17.48	14.57	3	Horizontal	138	1.01						
AV	11.6459G	47.62	54.00	-6.38	14.57	3	Horizontal	138	1.01						

pi 4-DQPSK(4M)_Nss1_1TX

09/04/2019

5158.35MHz_TX



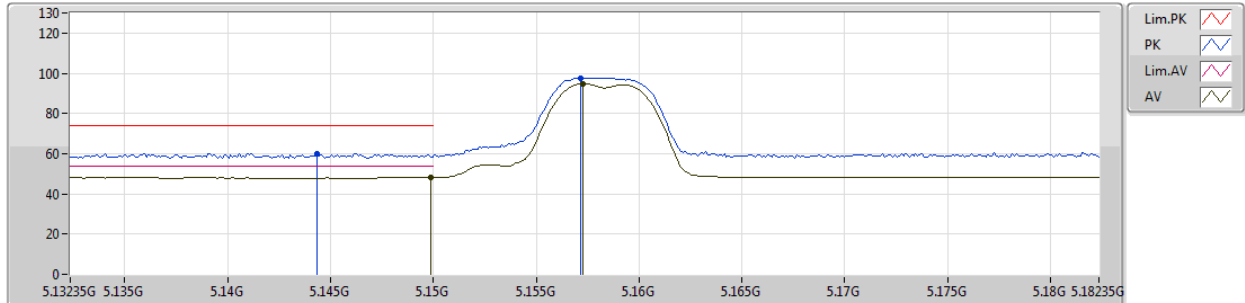
EUT Z_1TX_ANT 0
Setting Default
03-C-4-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	5.13415G	60.71	74.00	-13.29	5.80	3	Vertical	279	1.09								
AV	5.13535G	48.03	54.00	-5.97	5.81	3	Vertical	279	1.09								
PK	5.15705G	94.92	Inf	-Inf	5.84	3	Vertical	279	1.09								
AV	5.15725G	91.95	Inf	-Inf	5.84	3	Vertical	279	1.09								

pi 4-DQPSK(4M)_Nss1_1TX

09/04/2019

5158.35MHz_TX



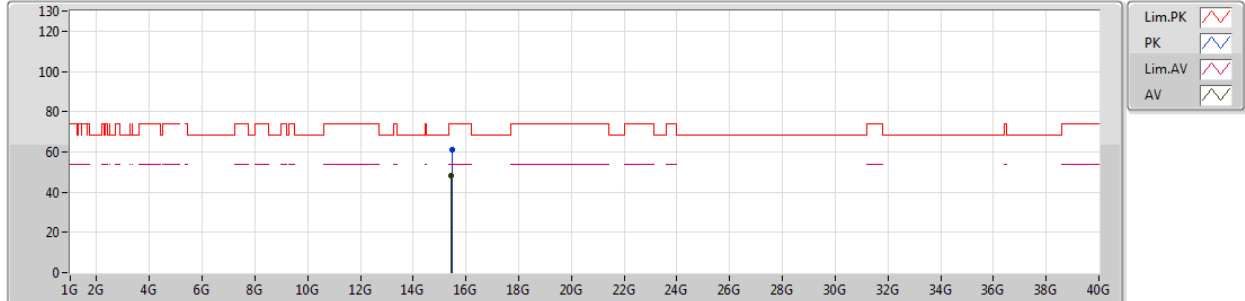
EUT_Z_1TX_ANT 0
Setting Default
03-C-4-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	5.14435G	60.04	74.00	-13.96	5.82	3	Horizontal	29	1.05								
AV	5.14985G	48.18	54.00	-5.82	5.83	3	Horizontal	29	1.05								
PK	5.15715G	97.72	Inf	-Inf	5.84	3	Horizontal	29	1.05								
AV	5.15725G	94.72	Inf	-Inf	5.84	3	Horizontal	29	1.05								

pi 4-DQPSK(4M)_Nss1_1TX

09/04/2019

5158.35MHz_TX



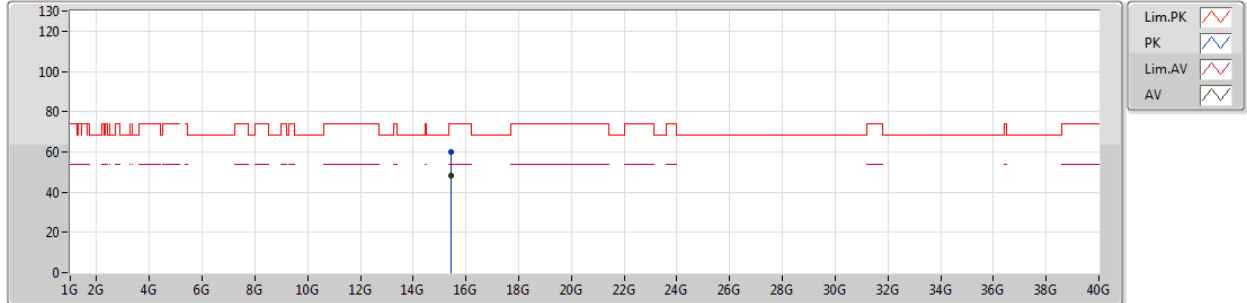
EUT_Z_1TX_ANT 0
Setting Default
03-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height								
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)								
PK	15.48325G	61.12	74.00	-12.88	15.48	3	Vertical	285	1.51								
AV	15.44745G	48.00	54.00	-6.00	15.61	3	Vertical	285	1.51								

pi 4-DQPSK(4M)_Nss1_1TX

09/04/2019

5158.35MHz_TX



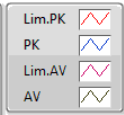
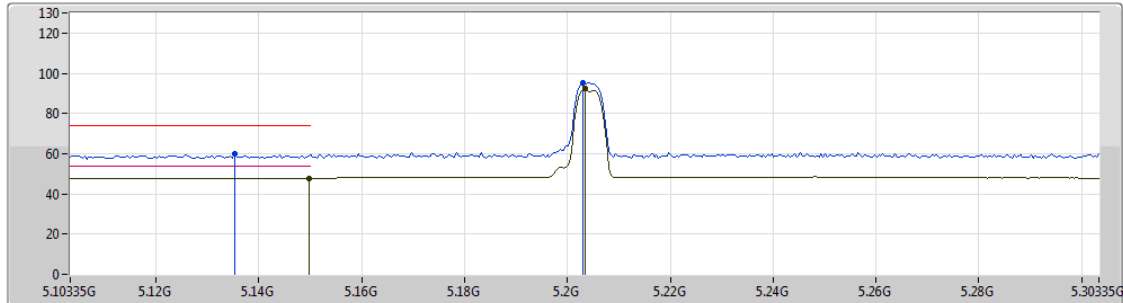
EUT_Z_1TX_ANT 0
Setting Default
03-C-4
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)						
PK	15.44805G	60.21	74.00	-13.79	15.61	3	Horizontal	286	1.57						
AV	15.45055G	47.94	54.00	-6.06	15.60	3	Horizontal	286	1.57						

pi 4-DQPSK(4M)_Nss1_1TX

09/04/2019

5204.35MHz_TX



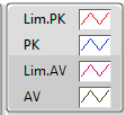
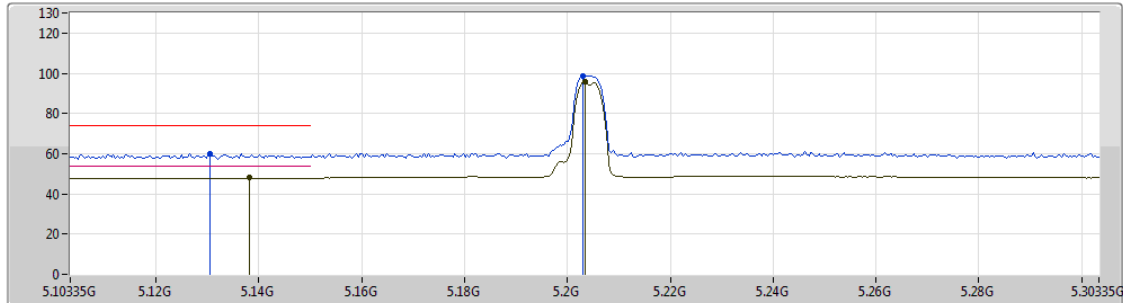
EUT_Z_1TX_ANT 0
Setting Default
03-C-4-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	5.13535G	59.85	74.00	-14.15	5.81	3	Vertical	105	1.01								
AV	5.14975G	47.89	54.00	-6.11	5.83	3	Vertical	105	1.01								
PK	5.20295G	95.12	Inf	-Inf	5.92	3	Vertical	105	1.01								
AV	5.20335G	92.22	Inf	-Inf	5.92	3	Vertical	105	1.01								

pi 4-DQPSK(4M)_Nss1_1TX

09/04/2019

5204.35MHz_TX



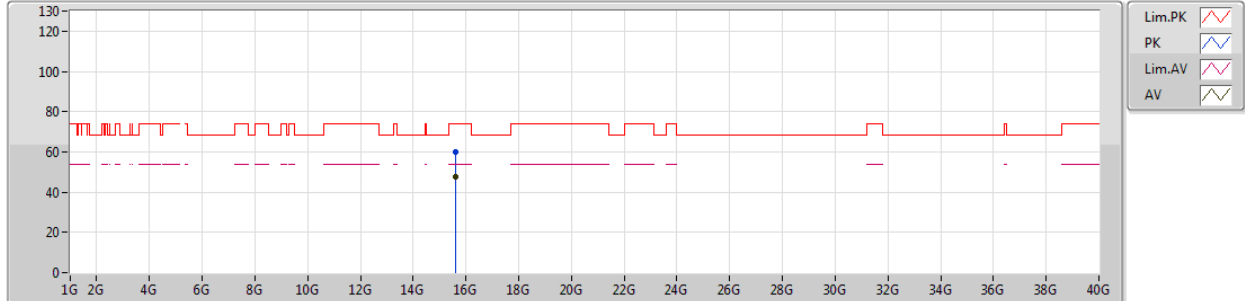
EUT_Z_1TX_ANT 0
Setting Default
03-C-4-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	5.13055G	59.77	74.00	-14.23	5.79	3	Horizontal	27	1.07								
AV	5.13815G	47.91	54.00	-6.09	5.81	3	Horizontal	27	1.07								
PK	5.20295G	98.74	Inf	-Inf	5.92	3	Horizontal	27	1.07								
AV	5.20335G	95.85	Inf	-Inf	5.92	3	Horizontal	27	1.07								

pi 4-DQPSK(4M)_Nss1_1TX

09/04/2019

5204.35MHz_TX



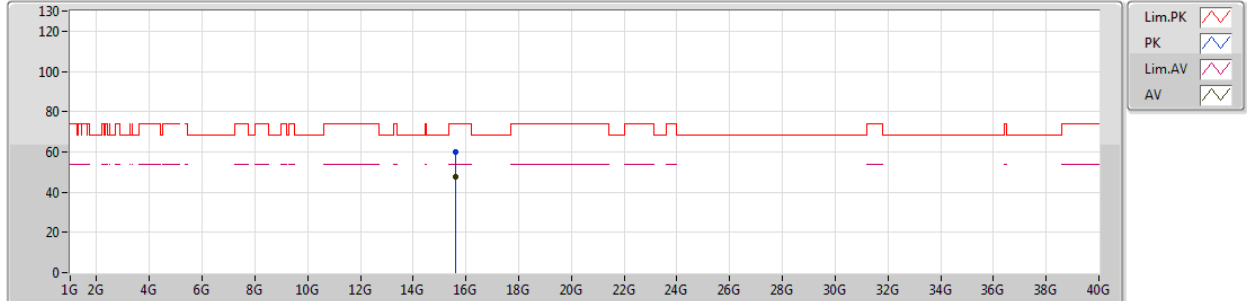
EUT_Z_1TX_ANT 0
Setting Default
03-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height								
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)								
PK	15.60405G	59.80	74.00	-14.20	15.02	3	Vertical	307	1.43								
AV	15.60555G	47.54	54.00	-6.46	15.00	3	Vertical	307	1.43								

pi 4-DQPSK(4M)_Nss1_1TX

09/04/2019

5204.35MHz_TX



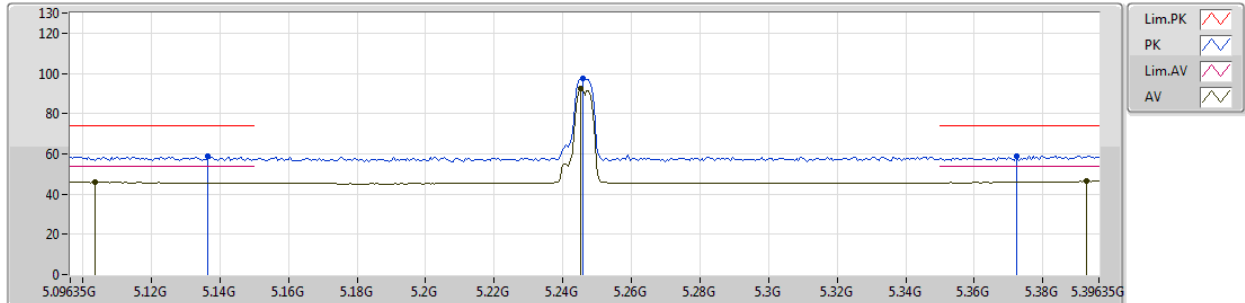
EUT_Z_1TX_ANT 0
Setting Default
03-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height								
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)								
PK	15.60993G	59.70	74.00	-14.30	14.99	3	Horizontal	93	1.61								
AV	15.61281G	47.52	54.00	-6.48	14.98	3	Horizontal	93	1.61								

pi 4-DQPSK(4M)_Nss1_1TX

09/04/2019

5246.35MHz_TX



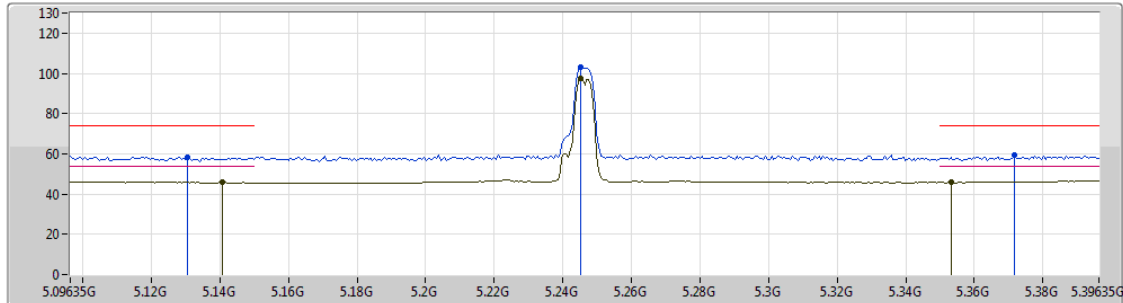
EUT_Z_1TX_ANT 0
Setting Default
04-C-4-10
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	5.13655G	58.92	74.00	-15.08	5.81	3	Vertical	230	1.04								
AV	5.10355G	45.80	54.00	-8.20	5.74	3	Vertical	230	1.04								
PK	5.24575G	97.38	Inf	-Inf	6.05	3	Vertical	230	1.04								
AV	5.24515G	92.19	Inf	-Inf	6.05	3	Vertical	230	1.04								
PK	5.37235G	59.04	74.00	-14.96	6.35	3	Vertical	230	1.04								
AV	5.39275G	46.40	54.00	-7.60	6.38	3	Vertical	230	1.04								

pi 4-DQPSK(4M)_Nss1_1TX

09/04/2019

5246.35MHz_TX



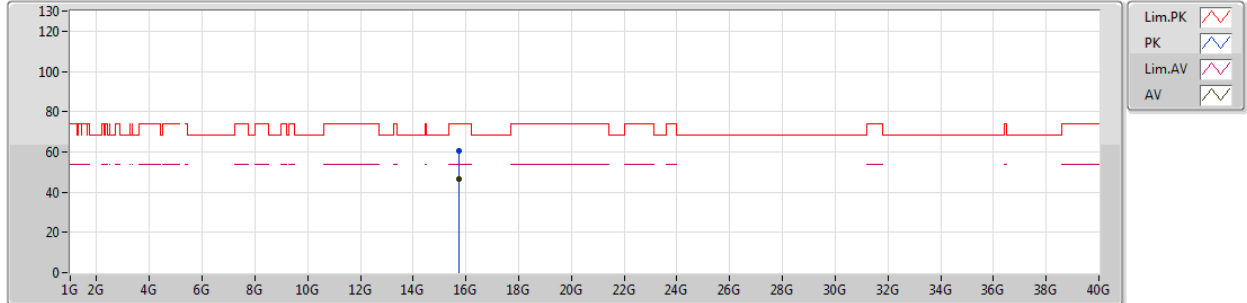
EUT_Z_1TX_ANT 0
Setting Default
04-C-4-10
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	5.13055G	58.37	74.00	-15.63	5.79	3	Horizontal	26	1.06								
AV	5.14075G	45.76	54.00	-8.24	5.81	3	Horizontal	26	1.06								
PK	5.24515G	102.83	Inf	-Inf	6.05	3	Horizontal	26	1.06								
AV	5.24515G	97.76	Inf	-Inf	6.05	3	Horizontal	26	1.06								
PK	5.37175G	59.14	74.00	-14.86	6.34	3	Horizontal	26	1.06								
AV	5.35315G	45.96	54.00	-8.04	6.31	3	Horizontal	26	1.06								

pi 4-DQPSK(4M)_Nss1_1TX

09/04/2019

5246.35MHz_TX



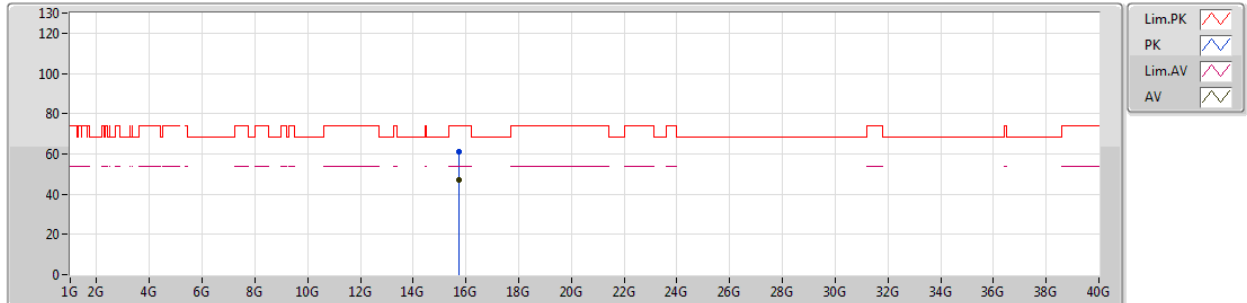
EUT_Z_1TX_ANT 0
Setting Default
04-C-4
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)						
PK	15.73671G	60.36	74.00	-13.64	14.51	3	Vertical	205	1.51						
AV	15.73011G	46.67	54.00	-7.33	14.54	3	Vertical	205	1.51						

pi 4-DQPSK(4M)_Nss1_1TX

09/04/2019

5246.35MHz_TX



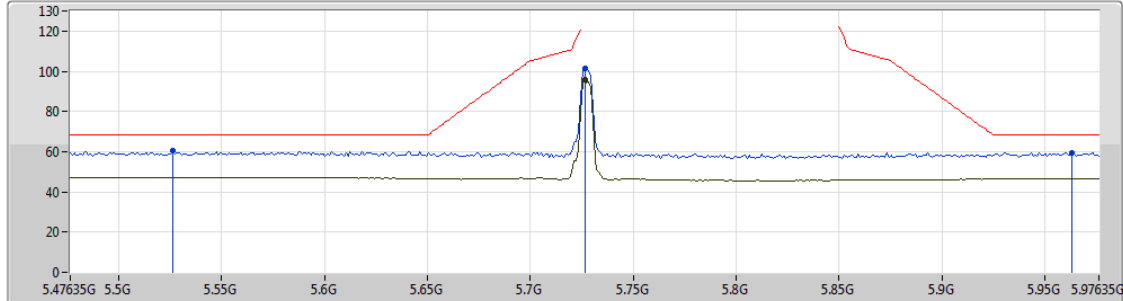
EUT_Z_1TX_ANT 0
Setting Default
04-C-4
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)						
PK	15.74601G	61.04	74.00	-12.96	14.47	3	Horizontal	289	1.49						
AV	15.72999G	46.81	54.00	-7.19	14.54	3	Horizontal	289	1.49						

pi 4-DQPSK(4M)_Nss1_1TX

09/04/2019

5727.35MHz_TX



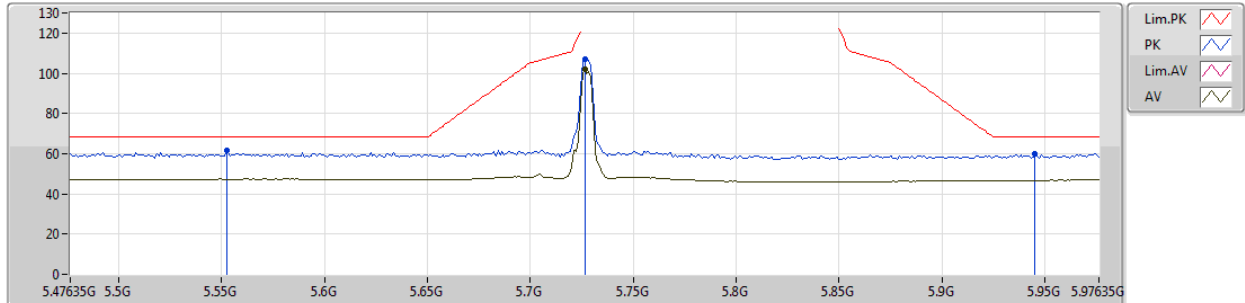
EUT_Z_1TX_ANT 0
Setting Default
03-K-3-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	5.52635G	60.49	68.20	-7.71	6.46	3	Vertical	102	1.07								
PK	5.72635G	101.26	Inf	-Inf	6.39	3	Vertical	102	1.07								
AV	5.72635G	95.69	Inf	-Inf	6.39	3	Vertical	102	1.07								
PK	5.96335G	59.61	68.20	-8.59	6.94	3	Vertical	102	1.07								

pi 4-DQPSK(4M)_Nss1_1TX

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5727.35MHz_TX



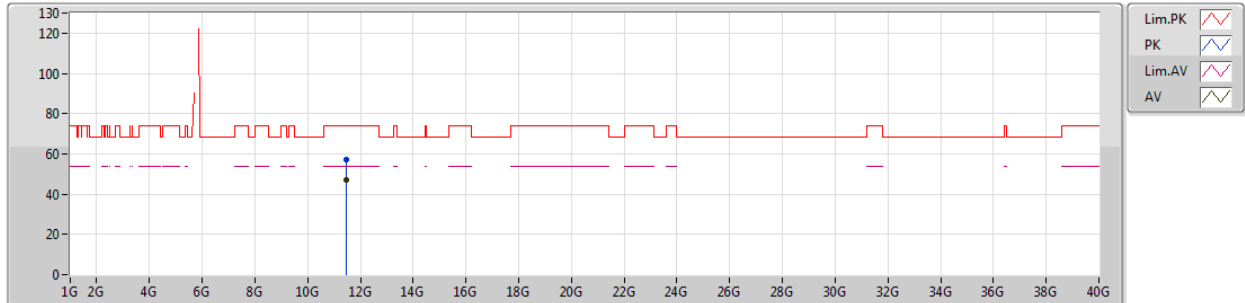
EUT_Z_1TX_ANT 0
Setting Default
03-K-3-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	5.55235G	61.63	68.20	-6.57	6.42	3	Horizontal	39	1.08								
PK	5.72635G	107.18	Inf	-Inf	6.39	3	Horizontal	39	1.08								
AV	5.72635G	101.90	Inf	-Inf	6.39	3	Horizontal	39	1.08								
PK	5.94535G	59.93	68.20	-8.27	6.89	3	Horizontal	39	1.08								

pi 4-DQPSK(4M)_Nss1_1TX

5727.35MHz_TX

09/04/2019



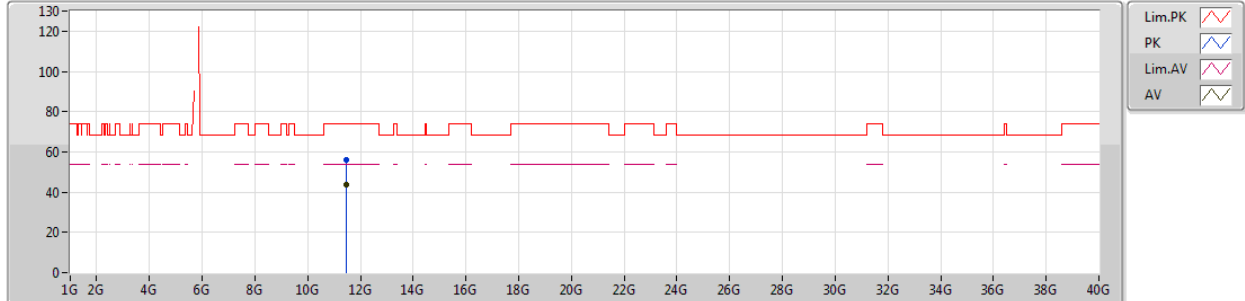
EUT_Z_1TX_ANT 0
Setting Default
03-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height								
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)								
PK	11.4498G	56.99	74.00	-17.01	14.37	3	Vertical	320	1.03								
AV	11.44994G	47.02	54.00	-6.98	14.37	3	Vertical	320	1.03								

pi 4-DQPSK(4M)_Nss1_1TX

09/04/2019

5727.35MHz_TX



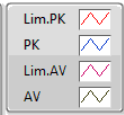
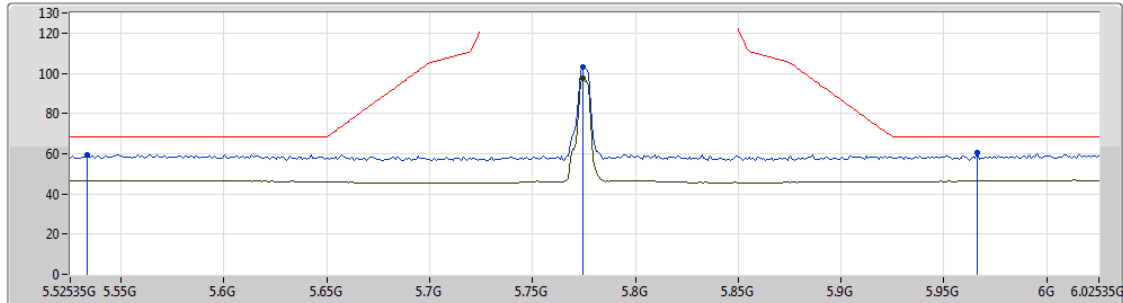
EUT_Z_1TX_ANT 0
Setting Default
03-K-3
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)						
PK	11.44984G	56.06	74.00	-17.94	14.37	3	Horizontal	167	1.06						
AV	11.44994G	43.67	54.00	-10.33	14.37	3	Horizontal	167	1.06						

pi 4-DQPSK(4M)_Nss1_1TX

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5775.35MHz_TX



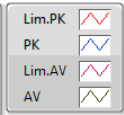
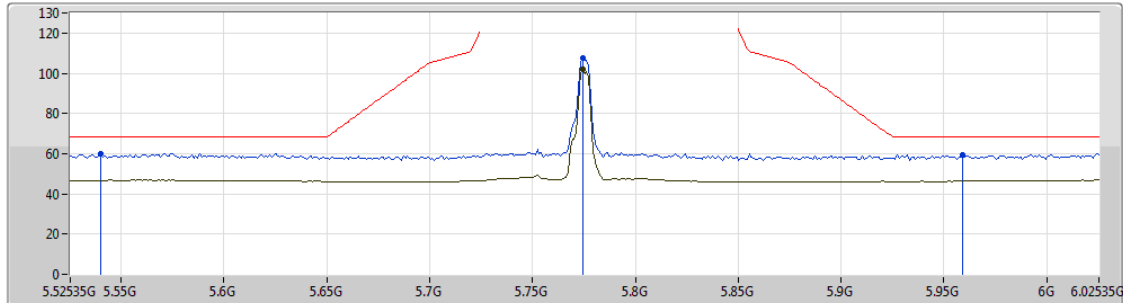
EUT Z_1TX_ANT 0
Setting Default
03-B-4-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	5.53335G	59.42	68.20	-8.78	6.46	3	Vertical	350	2.99								
PK	5.77435G	102.84	Inf	-Inf	6.44	3	Vertical	350	2.99								
AV	5.77435G	97.38	Inf	-Inf	6.44	3	Vertical	350	2.99								
PK	5.96635G	60.41	68.20	-7.79	6.96	3	Vertical	350	2.99								

pi 4-DQPSK(4M)_Nss1_1TX

08/04/2019

5775.35MHz_TX



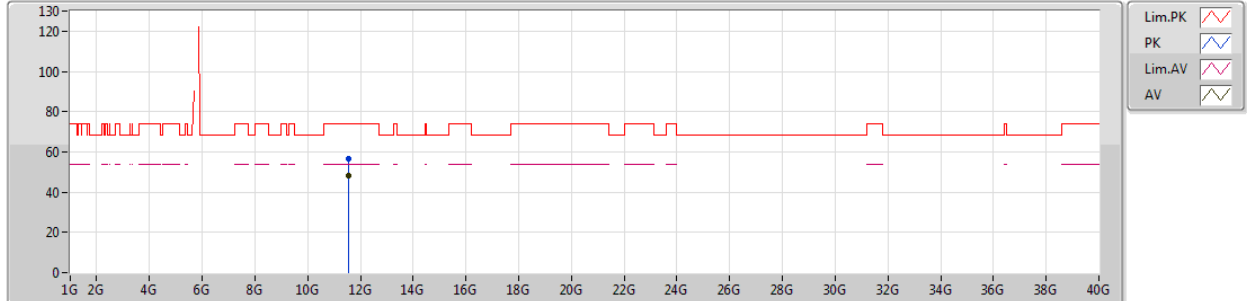
EUT_Z_1TX_ANT 0
Setting Default
03-B-4-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	5.54035G	60.10	68.20	-8.10	6.45	3	Horizontal	19	2.79								
PK	5.77435G	107.31	Inf	-Inf	6.44	3	Horizontal	19	2.79								
AV	5.77435G	101.82	Inf	-Inf	6.44	3	Horizontal	19	2.79								
PK	5.95935G	59.27	68.20	-8.93	6.93	3	Horizontal	19	2.79								

pi 4-DQPSK(4M)_Nss1_1TX

08/04/2019

5775.35MHz_TX



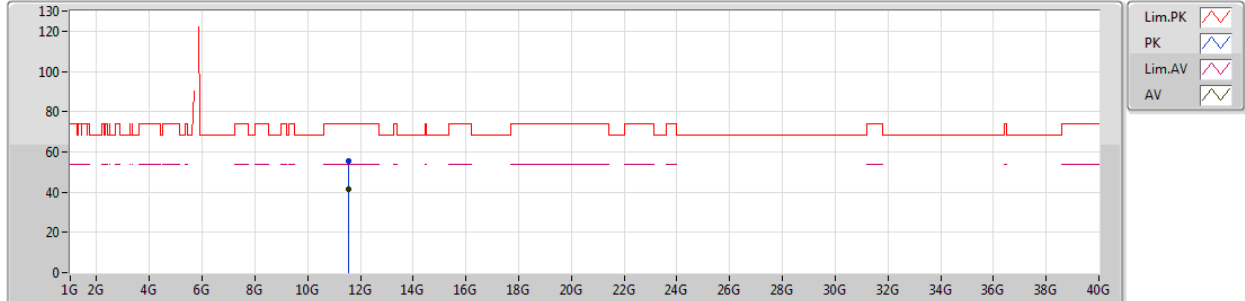
EUT_Z_1TX_ANT 0
Setting Default
03-B-4
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	11.54618G	56.36	74.00	-17.64	14.46	3	Vertical	164	1.07								
AV	11.54594G	48.06	54.00	-5.94	14.46	3	Vertical	164	1.07								

pi 4-DQPSK(4M)_Nss1_1TX

08/04/2019

5775.35MHz_TX



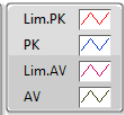
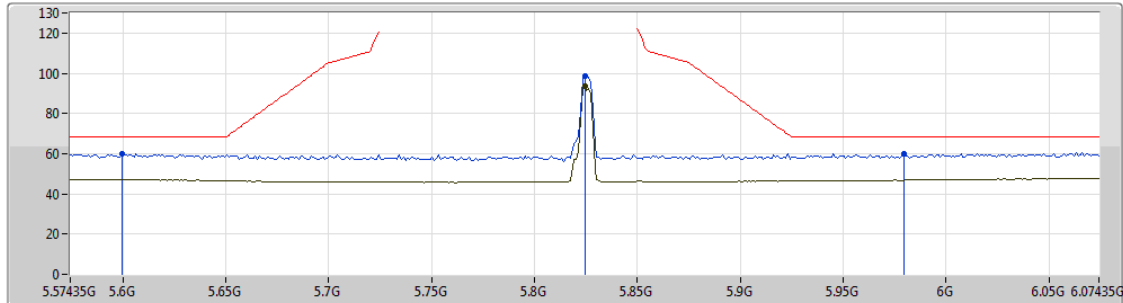
EUT_Z_1TX_ANT 0
Setting Default
03-B-4
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)						
PK	11.5605G	55.21	74.00	-18.79	14.48	3	Horizontal	65	2.46						
AV	11.5679G	41.35	54.00	-12.65	14.49	3	Horizontal	65	2.46						

pi 4-DQPSK(4M)_Nss1_1TX

09/04/2019

5825.35MHz_TX



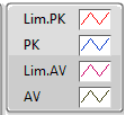
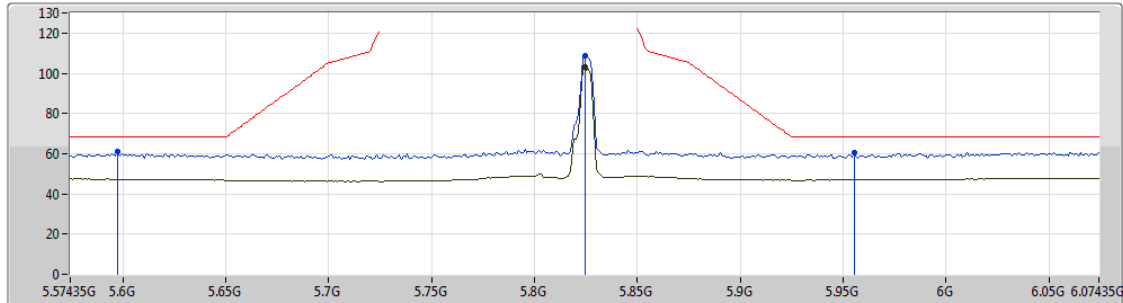
EUT_Z_1TX_ANT 0
Setting Default
03-K-3-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	5.59935G	59.84	68.20	-8.36	6.37	3	Vertical	81	1.00								
PK	5.82435G	98.71	Inf	-Inf	6.53	3	Vertical	81	1.00								
AV	5.82435G	93.52	Inf	-Inf	6.53	3	Vertical	81	1.00								
PK	5.97935G	59.73	68.20	-8.47	7.01	3	Vertical	81	1.00								

pi 4-DQPSK(4M)_Nss1_1TX

09/04/2019

5825.35MHz_TX



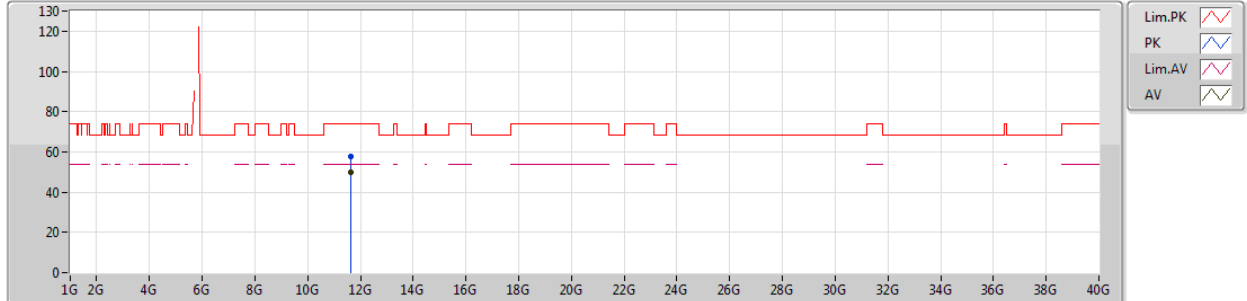
EUT_Z_1TX_ANT 0
Setting Default
03-K-3-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	5.59735G	60.83	68.20	-7.37	6.37	3	Horizontal	45	1.03								
PK	5.82435G	108.64	Inf	-Inf	6.53	3	Horizontal	45	1.03								
AV	5.82435G	103.37	Inf	-Inf	6.53	3	Horizontal	45	1.03								
PK	5.95535G	60.29	68.20	-7.91	6.92	3	Horizontal	45	1.03								

pi 4-DQPSK(4M)_Nss1_1TX

09/04/2019

5825.35MHz_TX



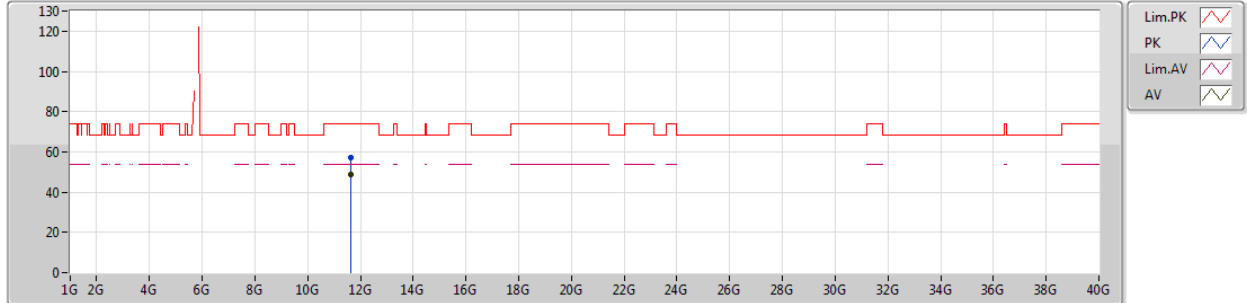
EUT_Z_1TX_ANT 0
Setting Default
03-K-3
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	11.64592G	57.73	74.00	-16.27	14.57	3	Vertical	317	1.11								
AV	11.64592G	50.15	54.00	-3.85	14.57	3	Vertical	317	1.11								

pi 4-DQPSK(4M)_Nss1_1TX

09/04/2019

5825.35MHz_TX



EUT_Z_1TX_ANT 0
Setting Default
03-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height								
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)								
PK	11.6458G	57.34	74.00	-16.66	14.57	3	Horizontal	136	1.01								
AV	11.64592G	49.01	54.00	-4.99	14.57	3	Horizontal	136	1.01								

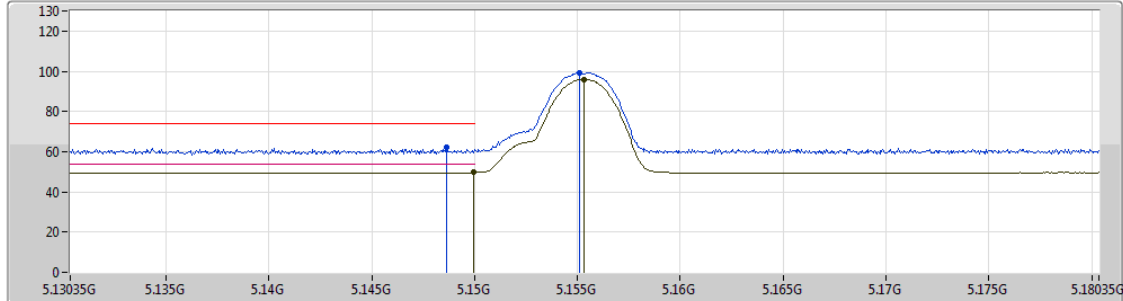
**EUT 2 <External antenna>****Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-
pi 4-DQPSK(4M)_Nss1_1TX	Pass	AV	11.5459G	53.88	54.00	-0.12	14.46	3	Horizontal	101	1.69	-

pi 4-DQPSK(2M)_Nss1_1TX

09/04/2019

5155.35MHz_TX



Lim.PK 
 PK 
 Lim.AV 
 AV 

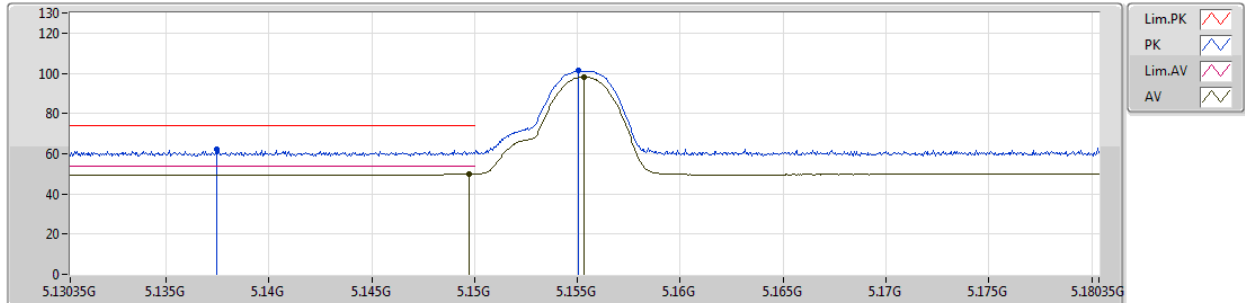
EUT Y_1TX_ANT 0
Setting Default
03-C-4-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	5.14865G	61.96	74.00	-12.04	5.83	3	Vertical	115	2.43								
AV	5.14995G	49.68	54.00	-4.32	5.83	3	Vertical	115	2.43								
PK	5.1551G	99.03	Inf	-Inf	5.83	3	Vertical	115	2.43								
AV	5.1553G	96.00	Inf	-Inf	5.83	3	Vertical	115	2.43								

pi 4-DQPSK(2M)_Nss1_1TX

09/04/2019

5155.35MHz_TX



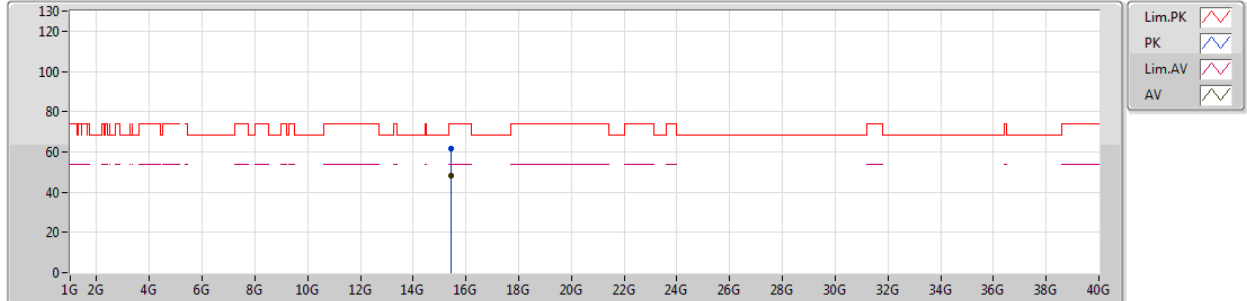
EUT Y_1TX_ANT 0
Setting Default
03-C-4-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	5.13745G	61.93	74.00	-12.07	5.81	3	Horizontal	9	2.51								
AV	5.14975G	49.82	54.00	-4.18	5.83	3	Horizontal	9	2.51								
PK	5.15505G	101.19	Inf	-Inf	5.83	3	Horizontal	9	2.51								
AV	5.1553G	98.18	Inf	-Inf	5.83	3	Horizontal	9	2.51								

pi 4-DQPSK(2M)_Nss1_1TX

09/04/2019

5155.35MHz_TX



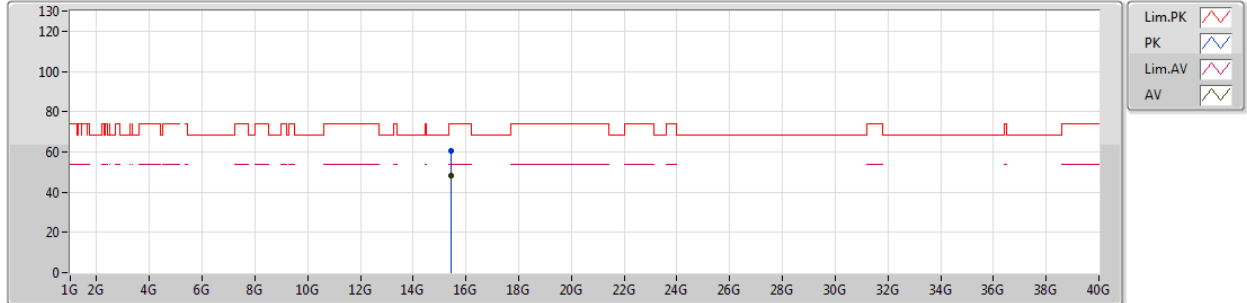
EUT Y_1TX_ANT 0
Setting Default
03-C-4
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)						
PK	15.4513G	61.41	74.00	-12.59	15.60	3	Vertical	178	1.88						
AV	15.44105G	48.11	54.00	-5.89	15.64	3	Vertical	178	1.88						

pi 4-DQPSK(2M)_Nss1_1TX

09/04/2019

5155.35MHz_TX



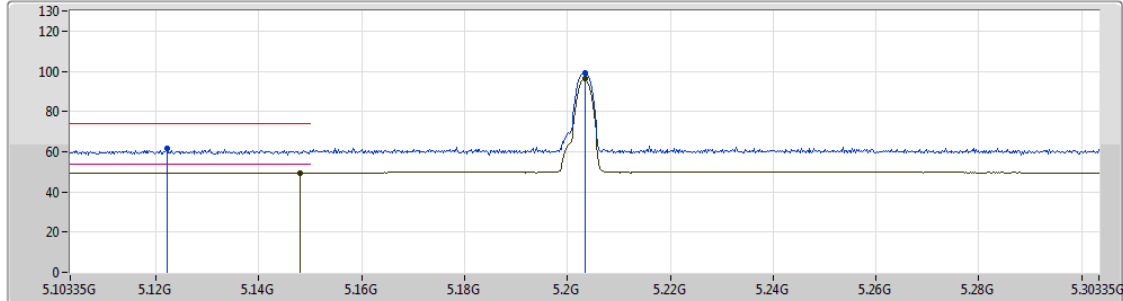
EUT Y_1TX_ANT 0
Setting Default
03-C-4
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height						
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)						
PK	15.4434G	60.53	74.00	-13.47	15.63	3	Horizontal	74	2.05						
AV	15.4439G	48.13	54.00	-5.87	15.63	3	Horizontal	74	2.05						

pi 4-DQPSK(2M)_Nss1_1TX

09/04/2019

5203.35MHz_TX



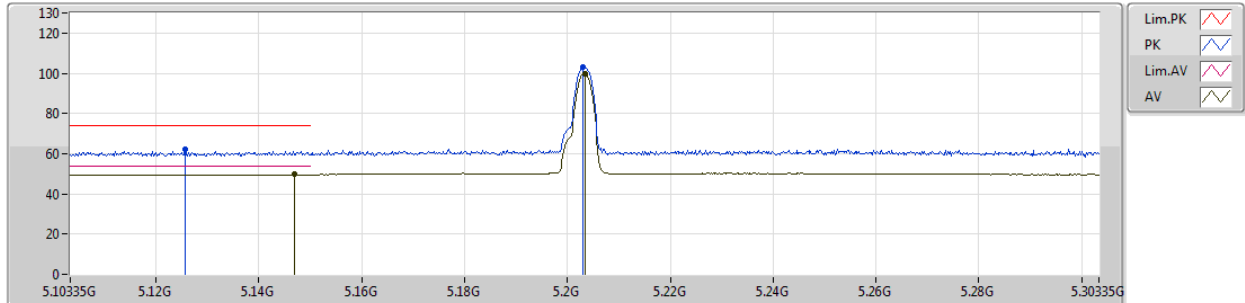
EUT Y_1TX_ANT 0
Setting Default
03-K-3-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	5.12215G	61.52	74.00	-12.48	5.78	3	Vertical	222	1.48								
AV	5.14795G	49.52	54.00	-4.48	5.83	3	Vertical	222	1.48								
PK	5.20355G	99.10	Inf	-Inf	5.92	3	Vertical	222	1.48								
AV	5.20335G	96.17	Inf	-Inf	5.92	3	Vertical	222	1.48								

pi 4-DQPSK(2M)_Nss1_1TX

09/04/2019

5203.35MHz_TX



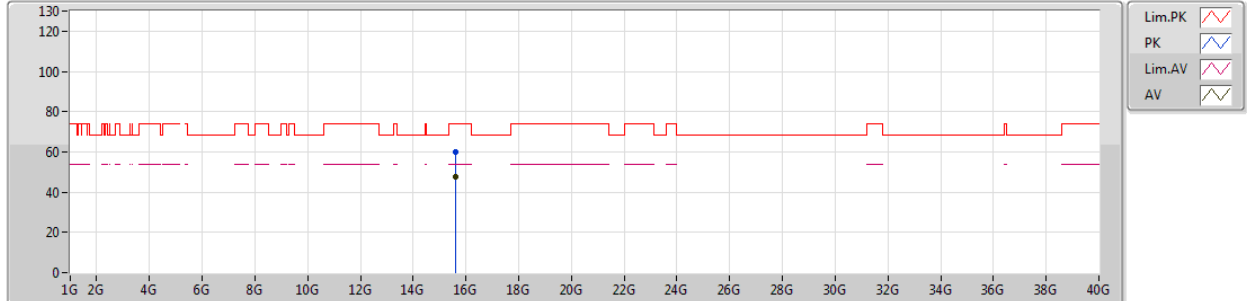
EUT Y_1TX_ANT 0
Setting Default
03-K-3-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)						
PK	5.12575G	61.96	74.00	-12.04	5.79	3	Horizontal	184	1.59						
AV	5.14695G	49.65	54.00	-4.35	5.83	3	Horizontal	184	1.59						
PK	5.20295G	102.90	Inf	-Inf	5.92	3	Horizontal	184	1.59						
AV	5.20335G	100.00	Inf	-Inf	5.92	3	Horizontal	184	1.59						

pi 4-DQPSK(2M)_Nss1_1TX

09/04/2019

5203.35MHz_TX



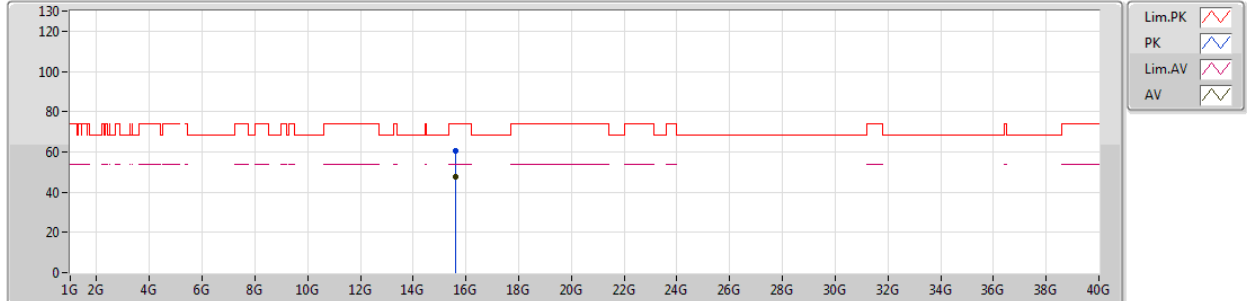
EUT Y_1TX_ANT 0
Setting Default
03-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height								
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)								
PK	15.5997G	60.16	74.00	-13.84	15.03	3	Vertical	207	2.19								
AV	15.62457G	47.56	54.00	-6.44	14.95	3	Vertical	207	2.19								

pi 4-DQPSK(2M)_Nss1_1TX

09/04/2019

5203.35MHz_TX



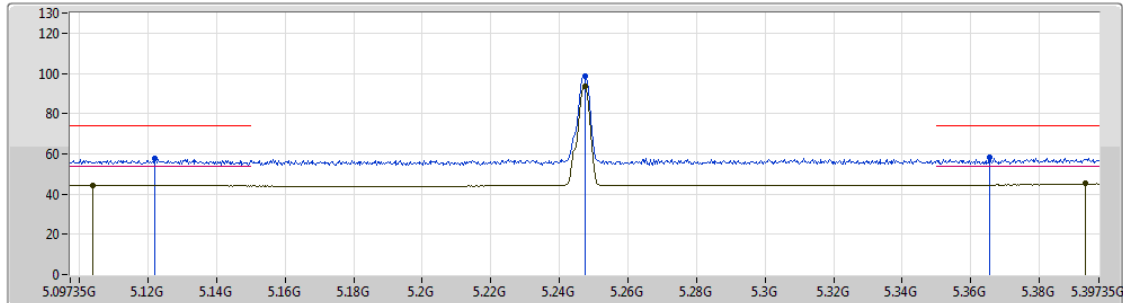
EUT Y_1TX_ANT 0
Setting Default
03-K-3
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)						
PK	15.61917G	60.33	74.00	-13.67	14.96	3	Horizontal	279	1.50						
AV	15.61224G	47.59	54.00	-6.41	14.98	3	Horizontal	279	1.50						

pi 4-DQPSK(2M)_Nss1_1TX

09/04/2019

5247.35MHz_TX



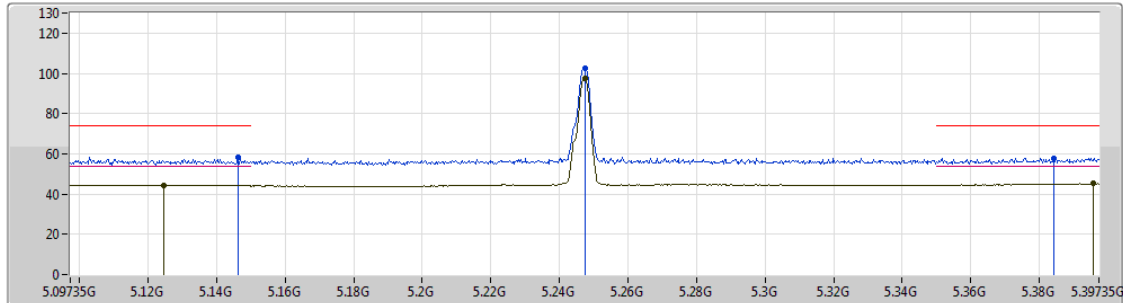
EUT Y_1TX_ANT 0
Setting Default
03-K-3-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	5.12195G	57.51	74.00	-16.49	5.78	3	Vertical	172	1.28								
AV	5.10395G	44.34	54.00	-9.66	5.74	3	Vertical	172	1.28								
PK	5.24765G	98.40	Inf	-Inf	6.06	3	Vertical	172	1.28								
AV	5.24735G	93.31	Inf	-Inf	6.05	3	Vertical	172	1.28								
PK	5.36555G	58.07	74.00	-15.93	6.34	3	Vertical	172	1.28								
AV	5.39345G	45.12	54.00	-8.88	6.38	3	Vertical	172	1.28								

pi 4-DQPSK(2M)_Nss1_1TX

09/04/2019

5247.35MHz_TX



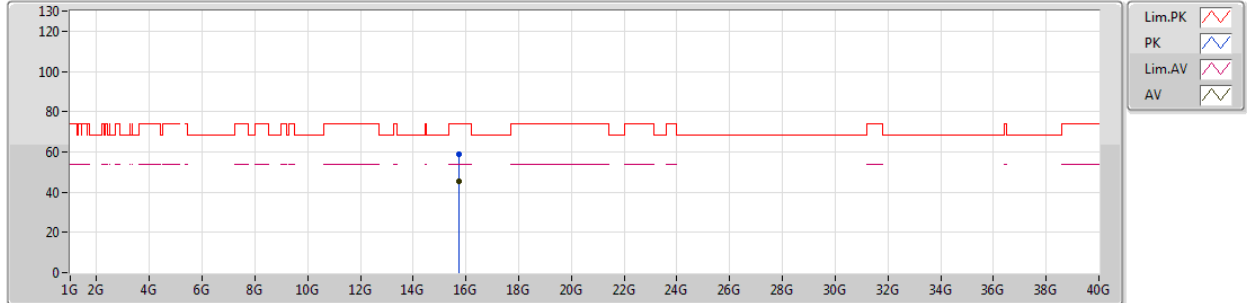
EUT Y_1TX_ANT 0
Setting Default
03-K-3-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	5.14625G	58.13	74.00	-15.87	5.83	3	Horizontal	180	2.66								
AV	5.12465G	44.44	54.00	-9.56	5.78	3	Horizontal	180	2.66								
PK	5.24765G	102.67	Inf	-Inf	6.06	3	Horizontal	180	2.66								
AV	5.24735G	97.60	Inf	-Inf	6.05	3	Horizontal	180	2.66								
PK	5.38415G	57.81	74.00	-16.19	6.37	3	Horizontal	180	2.66								
AV	5.39585G	45.16	54.00	-8.84	6.40	3	Horizontal	180	2.66								

pi 4-DQPSK(2M)_Nss1_1TX

09/04/2019

5247.35MHz_TX



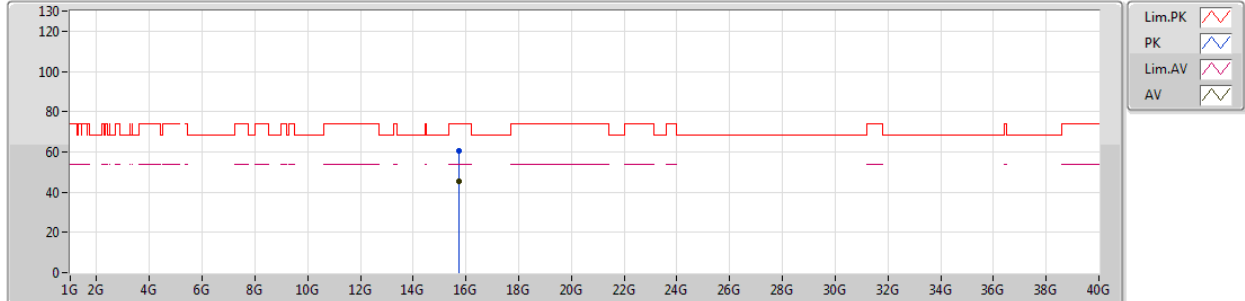
EUT Y_1TX_ANT 0
Setting Default
03-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height						
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)						
PK	15.7177G	58.85	74.00	-15.15	14.59	3	Vertical	255	1.50						
AV	15.71925G	45.33	54.00	-8.67	14.58	3	Vertical	255	1.50						

pi 4-DQPSK(2M)_Nss1_1TX

09/04/2019

5247.35MHz_TX



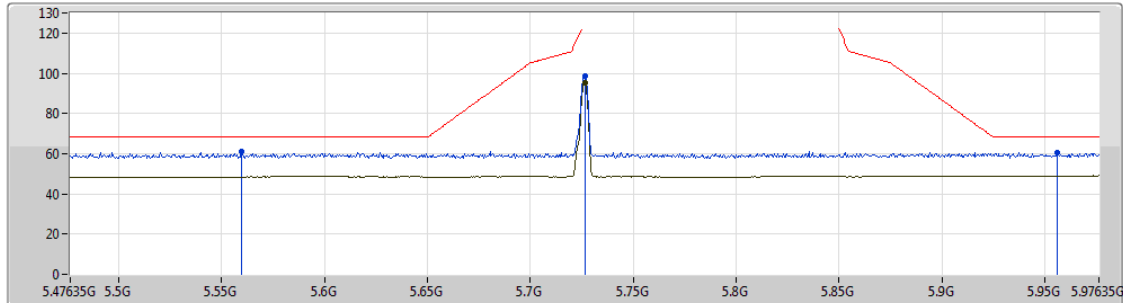
EUT Y_1TX_ANT 0
Setting Default
03-K-3
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	15.75035G	60.30	74.00	-13.70	14.47	3	Horizontal	0	1.34								
AV	15.7193G	45.38	54.00	-8.62	14.58	3	Horizontal	0	1.34								

pi 4-DQPSK(2M)_Nss1_1TX

09/04/2019

5726.35MHz_TX



Lim.PK
PK
Lim.AV
AV

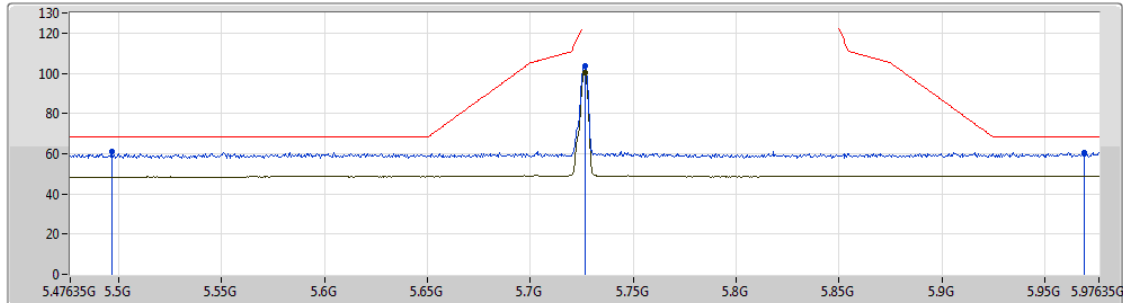
EUT Y_1TX_ANT 0
Setting Default
03-K-3-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	5.55935G	60.81	68.20	-7.39	6.41	3	Vertical	333	1.35								
PK	5.72635G	98.51	Inf	-Inf	6.39	3	Vertical	333	1.35								
AV	5.72635G	95.51	Inf	-Inf	6.39	3	Vertical	333	1.35								
PK	5.95635G	60.39	68.20	-7.81	6.92	3	Vertical	333	1.35								

pi 4-DQPSK(2M)_Nss1_1TX

09/04/2019

5726.35MHz_TX



Lim.PK
PK
Lim.AV
AV

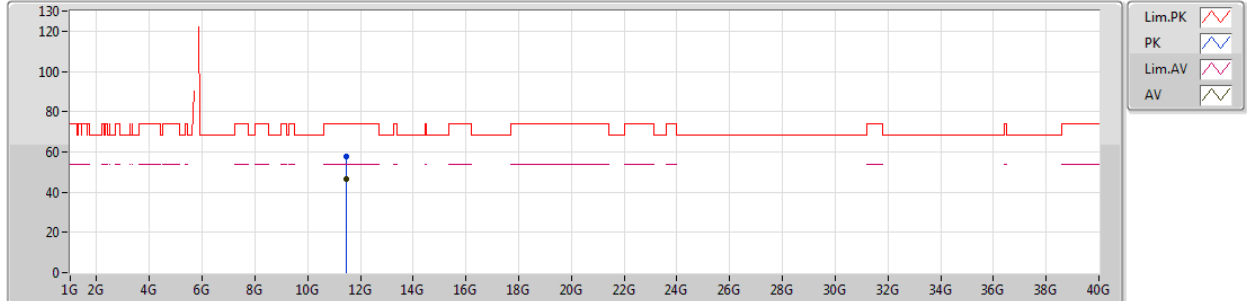
EUT Y_1TX_ANT 0
Setting Default
03-K-3-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	5.49635G	61.02	68.20	-7.18	6.49	3	Horizontal	347	1.01								
PK	5.72635G	103.48	Inf	-Inf	6.39	3	Horizontal	347	1.01								
AV	5.72635G	100.48	Inf	-Inf	6.39	3	Horizontal	347	1.01								
PK	5.96935G	60.68	68.20	-7.52	6.97	3	Horizontal	347	1.01								

pi 4-DQPSK(2M)_Nss1_1TX

09/04/2019

5726.35MHz_TX



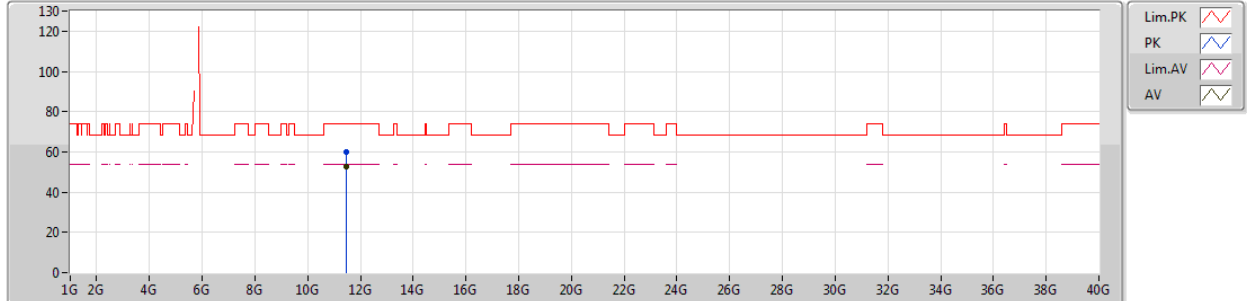
EUT Y_1TX_ANT 0
Setting Default
03-K-3
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)						
PK	11.4501G	57.67	74.00	-16.33	14.38	3	Vertical	40	1.02						
AV	11.45G	46.54	54.00	-7.46	14.38	3	Vertical	40	1.02						

pi 4-DQPSK(2M)_Nss1_1TX

09/04/2019

5726.35MHz_TX



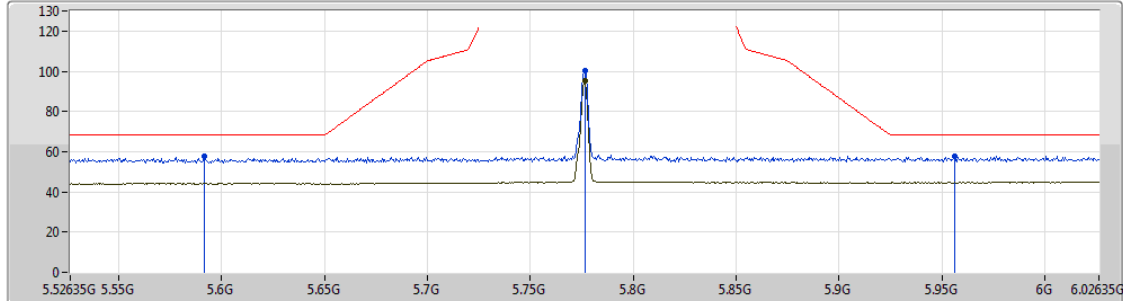
EUT Y_1TX_ANT 0
Setting Default
03-K-3
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)						
PK	11.4498G	60.20	74.00	-13.80	14.37	3	Horizontal	119	2.13						
AV	11.4499G	52.91	54.00	-1.09	14.37	3	Horizontal	119	2.13						

pi 4-DQPSK(2M)_Nss1_1TX

24/04/2019

5776.35MHz_TX



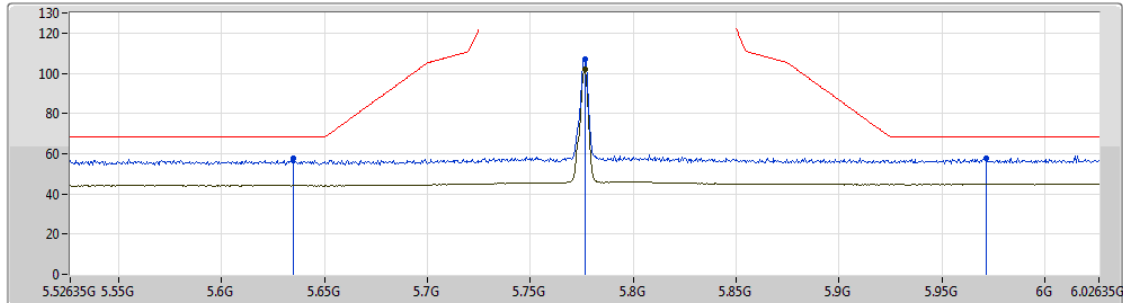
EUT Y_1TX_ANT 0
Setting Default
02-C-5-10
FSP
0422 sample

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	5.59135G	57.55	68.20	-10.65	6.38	3	Vertical	116	1.50								
PK	5.77635G	100.08	Inf	-Inf	6.90	3	Vertical	116	1.50								
AV	5.77635G	95.04	Inf	-Inf	6.90	3	Vertical	116	1.50								
PK	5.95635G	57.74	68.20	-10.46	7.17	3	Vertical	116	1.50								

pi 4-DQPSK(2M)_Nss1_1TX

5776.35MHz_TX

24/04/2019



Lim.PK
PK
Lim.AV
AV

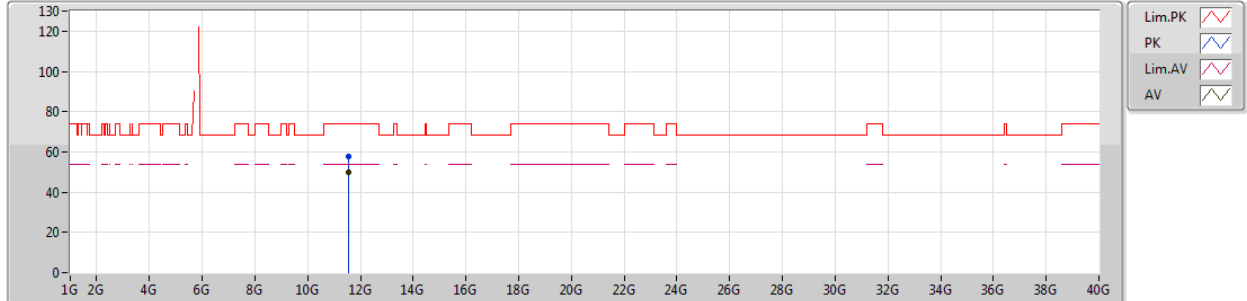
EUT Y_1TX_ANT 0
Setting Default
02-C-5-10
FSP
0422 sample

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	5.63485G	57.44	68.20	-10.76	6.50	3	Horizontal	165	2.38								
PK	5.77635G	107.15	Inf	-Inf	6.90	3	Horizontal	165	2.38								
AV	5.77635G	102.04	Inf	-Inf	6.90	3	Horizontal	165	2.38								
PK	5.97185G	57.71	68.20	-10.49	7.20	3	Horizontal	165	2.38								

pi 4-DQPSK(2M)_Nss1_1TX

24/04/2019

5776.35MHz_TX



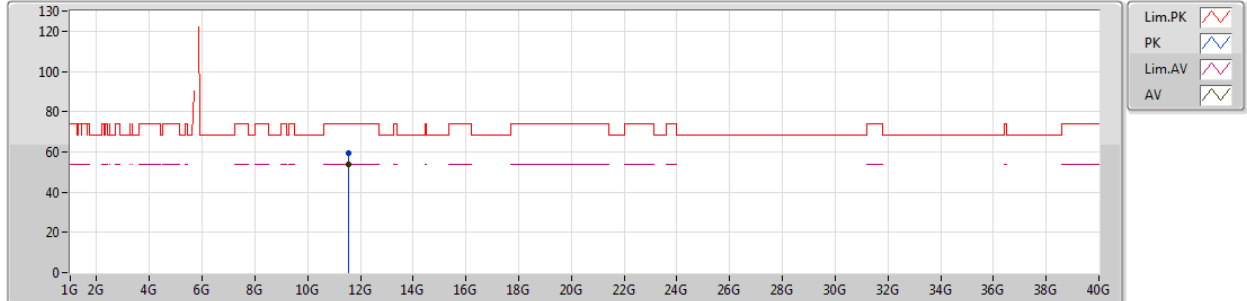
EUT Y_1TX_ANT 0
Setting Default
03-B-4
FSP(100019)
(0422 晶片)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	11.54994G	57.76	74.00	-16.24	14.47	3	Vertical	99	2.27								
AV	11.54991G	50.03	54.00	-3.97	14.47	3	Vertical	99	2.27								

pi 4-DQPSK(2M)_Nss1_1TX

24/04/2019

5776.35MHz_TX



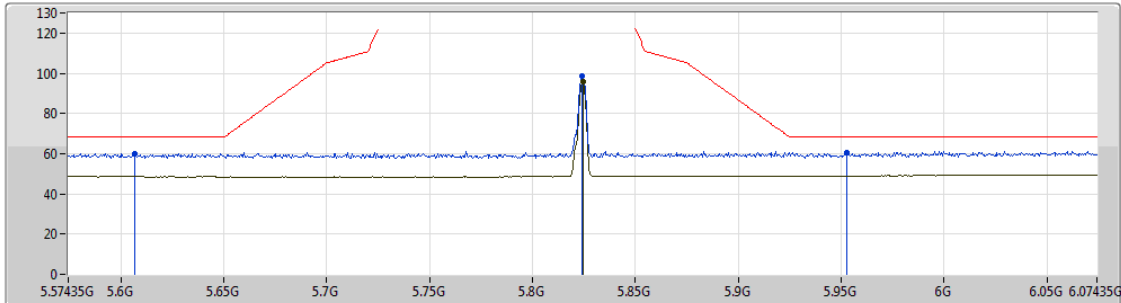
EUT Y_1TX_ANT 0
Setting Default
03-B-4
FSP(100019)
(0422 晶片)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)						
PK	11.54988G	59.35	74.00	-14.65	14.47	3	Horizontal	102	1.66						
AV	11.54991G	53.65	54.00	-0.35	14.47	3	Horizontal	102	1.66						

pi 4-DQPSK(2M)_Nss1_1TX

09/04/2019

5824.35MHz_TX



Lim.PK
PK
Lim.AV
AV

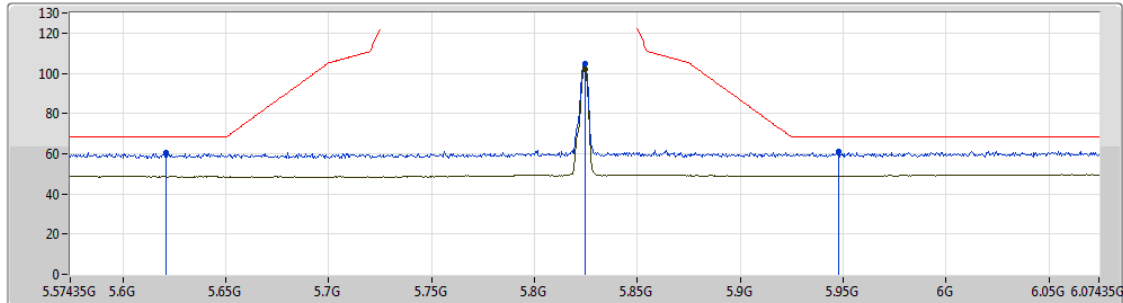
EUT Y_1TX_ANT 0
Setting Default
03-K-3-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	5.60685G	60.10	68.20	-8.10	6.37	3	Vertical	355	1.50								
PK	5.82385G	98.59	Inf	-Inf	6.53	3	Vertical	355	1.50								
AV	5.82435G	95.61	Inf	-Inf	6.53	3	Vertical	355	1.50								
PK	5.95285G	60.63	68.20	-7.57	6.91	3	Vertical	355	1.50								

pi 4-DQPSK(2M)_Nss1_1TX

09/04/2019

5824.35MHz_TX



Lim.PK
PK
Lim.AV
AV

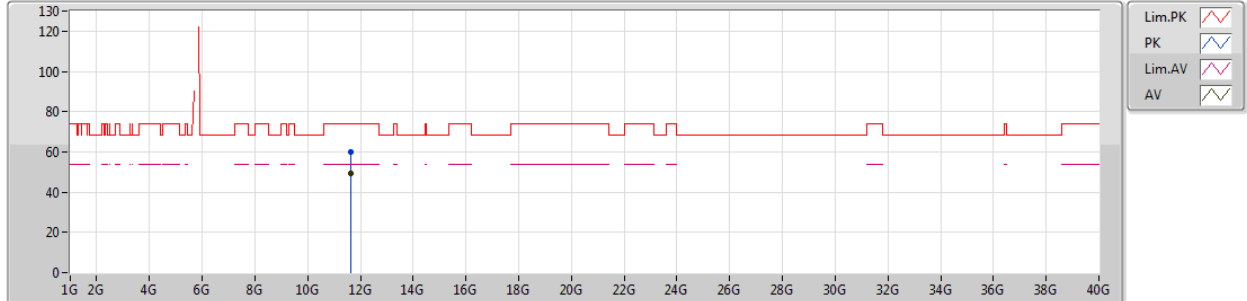
EUT Y_1TX_ANT 0
Setting Default
03-K-3-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	5.62085G	60.71	68.20	-7.49	6.37	3	Horizontal	354	2.31								
PK	5.82435G	105.03	Inf	-Inf	6.53	3	Horizontal	354	2.31								
AV	5.82435G	102.08	Inf	-Inf	6.53	3	Horizontal	354	2.31								
PK	5.94785G	61.01	68.20	-7.19	6.89	3	Horizontal	354	2.31								

pi 4-DQPSK(2M)_Nss1_1TX

09/04/2019

5824.35MHz_TX



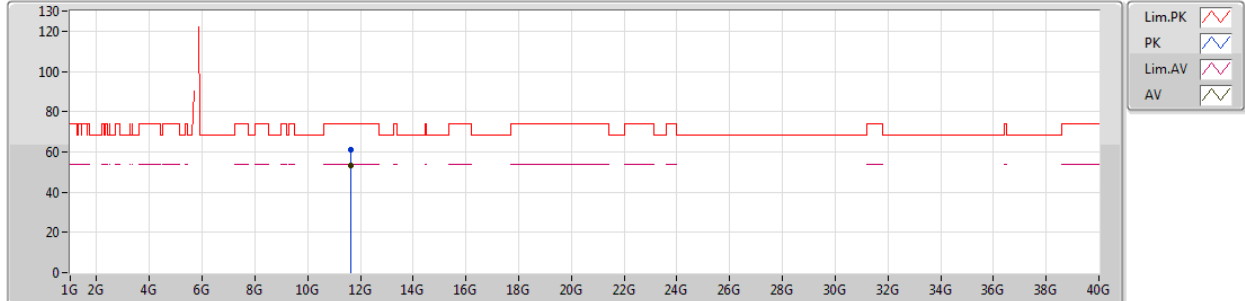
EUT Y_1TX_ANT 0
Setting Default
03-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height						
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)						
PK	11.64657G	59.75	74.00	-14.25	14.57	3	Vertical	189	2.88						
AV	11.64585G	49.18	54.00	-4.82	14.57	3	Vertical	189	2.88						

pi 4-DQPSK(2M)_Nss1_1TX

09/04/2019

5824.35MHz_TX



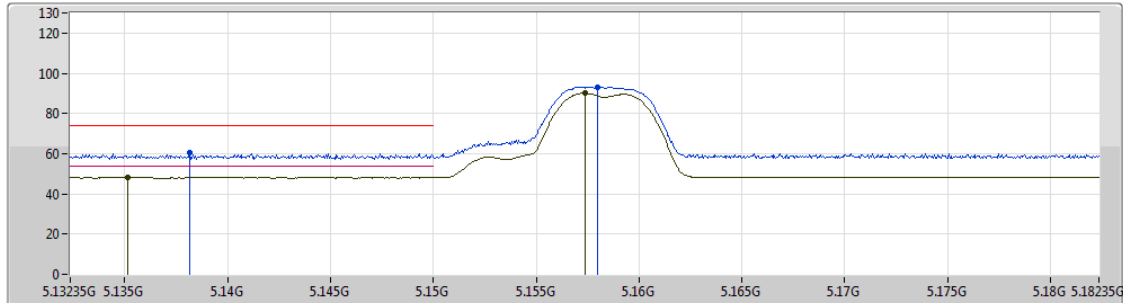
EUT Y_1TX_ANT 0
Setting Default
03-K-3
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)						
PK	11.64599G	60.95	74.00	-13.05	14.57	3	Horizontal	249	2.22						
AV	11.6459G	53.07	54.00	-0.93	14.57	3	Horizontal	249	2.22						

pi 4-DQPSK(4M)_Nss1_1TX

09/04/2019

5158.35MHz_TX



Lim.PK
PK
Lim.AV
AV

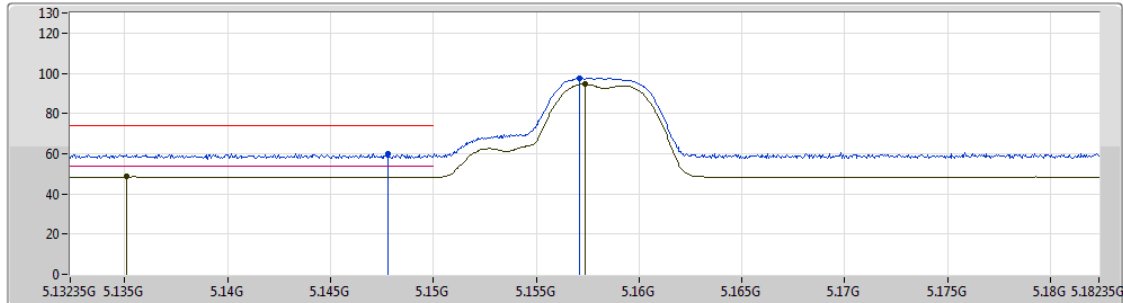
EUT Y_1TX_ANT 0
Setting Default
03-K-3-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
PK	5.13815G	60.76	74.00	-13.24	5.81	3	Vertical	222	1.53
AV	5.13515G	48.17	54.00	-5.83	5.81	3	Vertical	222	1.53
PK	5.158G	93.09	Inf	-Inf	5.84	3	Vertical	222	1.53
AV	5.15735G	90.12	Inf	-Inf	5.84	3	Vertical	222	1.53

pi 4-DQPSK(4M)_Nss1_1TX

09/04/2019

5158.35MHz_TX



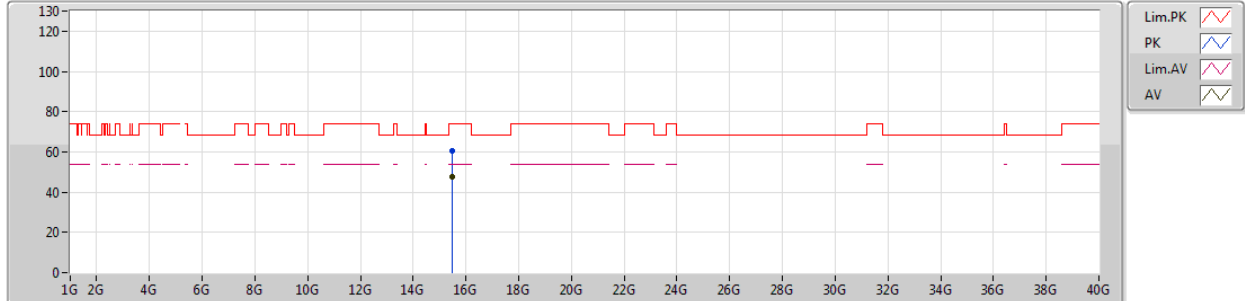
EUT Y_1TX_ANT 0
Setting Default
03-K-3-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	5.1478G	60.08	74.00	-13.92	5.83	3	Horizontal	191	2.64								
AV	5.1351G	48.58	54.00	-5.42	5.81	3	Horizontal	191	2.64								
PK	5.1571G	97.57	Inf	-Inf	5.84	3	Horizontal	191	2.64								
AV	5.15735G	94.59	Inf	-Inf	5.84	3	Horizontal	191	2.64								

pi 4-DQPSK(4M)_Nss1_1TX

09/04/2019

5158.35MHz_TX



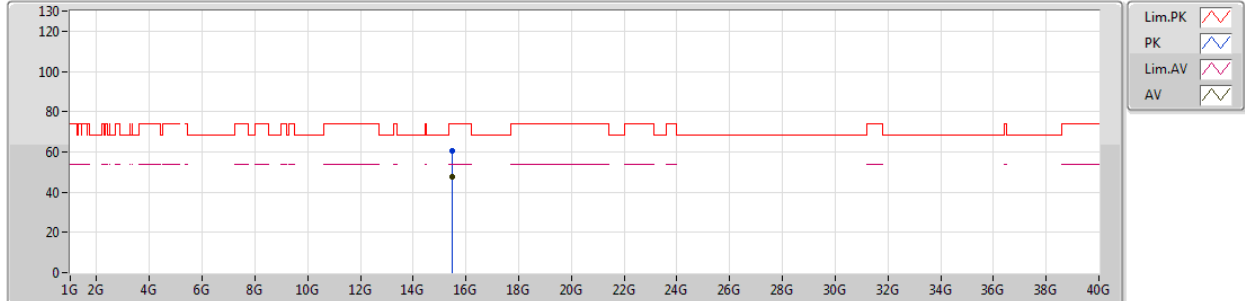
EUT Y_1TX_ANT 0
Setting Default
03-K-3
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)						
PK	15.47159G	60.40	74.00	-13.60	15.52	3	Vertical	37	1.10						
AV	15.46493G	47.89	54.00	-6.11	15.55	3	Vertical	37	1.10						

pi 4-DQPSK(4M)_Nss1_1TX

09/04/2019

5158.35MHz_TX



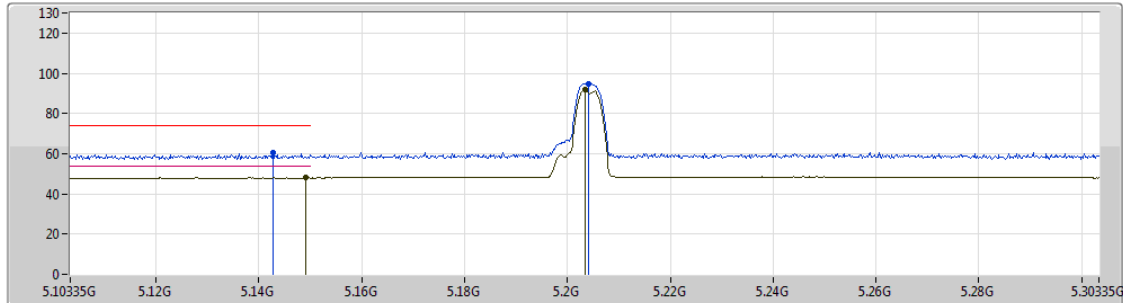
EUT Y_1TX_ANT 0
Setting Default
03-K-3
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)						
PK	15.47805G	60.41	74.00	-13.59	15.50	3	Horizontal	110	1.39						
AV	15.46231G	47.88	54.00	-6.12	15.55	3	Horizontal	110	1.39						

pi 4-DQPSK(4M)_Nss1_1TX

09/04/2019

5204.35MHz_TX



Lim.PK
PK
Lim.AV
AV

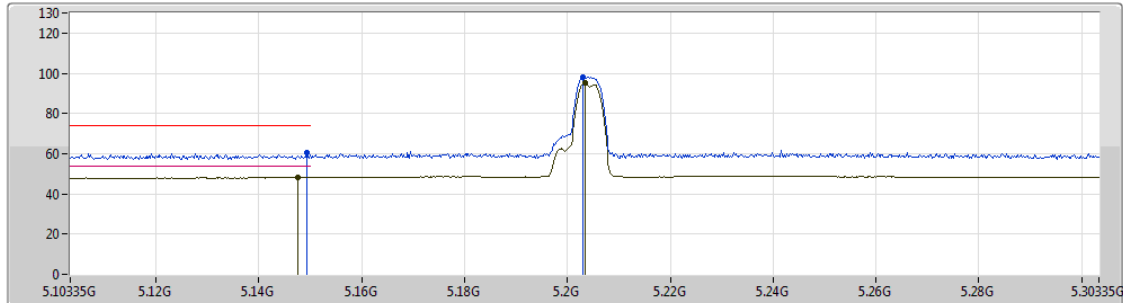
EUT Y_1TX_ANT 0
Setting Default
03-L-3-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	5.14275G	60.25	74.00	-13.75	5.81	3	Vertical	95	2.90								
AV	5.14915G	48.03	54.00	-5.97	5.83	3	Vertical	95	2.90								
PK	5.20415G	94.67	Inf	-Inf	5.92	3	Vertical	95	2.90								
AV	5.20335G	91.79	Inf	-Inf	5.92	3	Vertical	95	2.90								

pi 4-DQPSK(4M)_Nss1_1TX

09/04/2019

5204.35MHz_TX



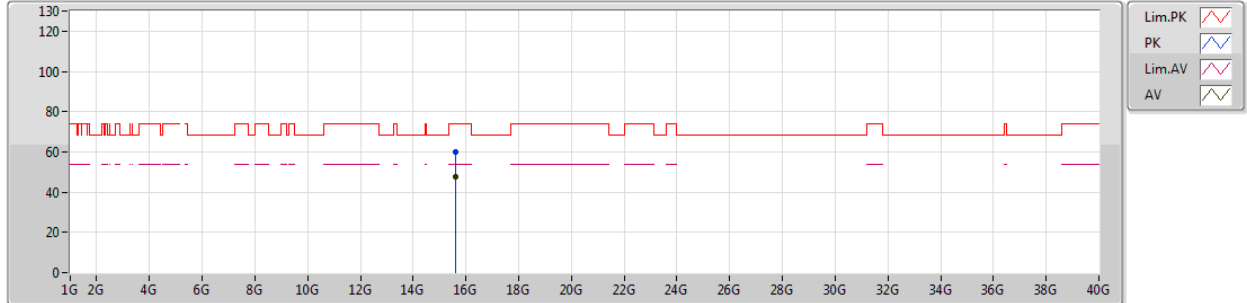
EUT Y_1TX_ANT 0
Setting Default
03-L-3-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	5.14935G	60.36	74.00	-13.64	5.83	3	Horizontal	181	1.69								
AV	5.14755G	48.16	54.00	-5.84	5.83	3	Horizontal	181	1.69								
PK	5.20295G	97.98	Inf	-Inf	5.92	3	Horizontal	181	1.69								
AV	5.20335G	95.05	Inf	-Inf	5.92	3	Horizontal	181	1.69								

pi 4-DQPSK(4M)_Nss1_1TX

09/04/2019

5204.35MHz_TX



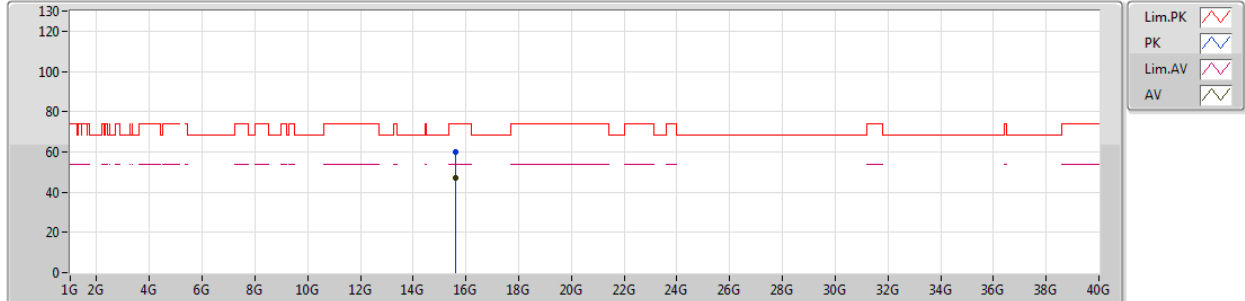
EUT Y_1TX_ANT 0
Setting Default
03-L-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height								
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)								
PK	15.60961G	60.07	74.00	-13.93	14.99	3	Vertical	114	1.51								
AV	15.61143G	47.40	54.00	-6.60	14.99	3	Vertical	114	1.51								

pi 4-DQPSK(4M)_Nss1_1TX

09/04/2019

5204.35MHz_TX



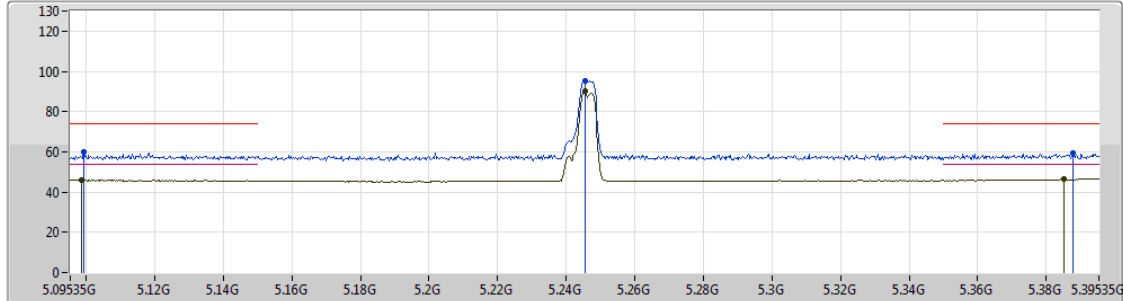
EUT Y_1TX_ANT 0
Setting Default
03-L-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height						
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)						
PK	15.61426G	59.79	74.00	-14.21	14.99	3	Horizontal	129	1.50						
AV	15.60555G	47.34	54.00	-6.66	15.00	3	Horizontal	129	1.50						

pi 4-DQPSK(4M)_Nss1_1TX

09/04/2019

5246.35MHz_TX



Lim.PK ☒
 PK ☒
 Lim.AV ☒
 AV ☒

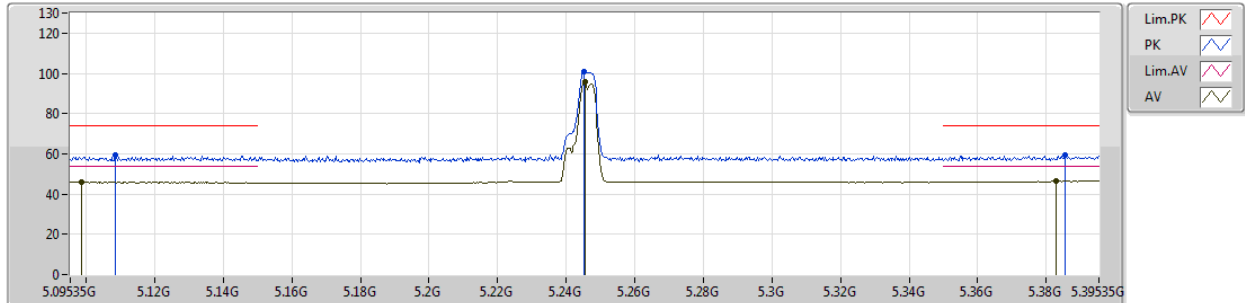
EUT Y_1TX_ANT 0
 Setting Default
 03-K-3-10
 FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	5.09925G	59.68	74.00	-14.32	5.74	3	Vertical	170	1.50								
AV	5.09865G	45.80	54.00	-8.20	5.74	3	Vertical	170	1.50								
PK	5.24535G	95.52	Inf	-Inf	6.05	3	Vertical	170	1.50								
AV	5.24535G	90.15	Inf	-Inf	6.05	3	Vertical	170	1.50								
PK	5.38785G	59.16	74.00	-14.84	6.38	3	Vertical	170	1.50								
AV	5.38515G	46.27	54.00	-7.73	6.38	3	Vertical	170	1.50								

pi 4-DQPSK(4M)_Nss1_1TX

09/04/2019

5246.35MHz_TX



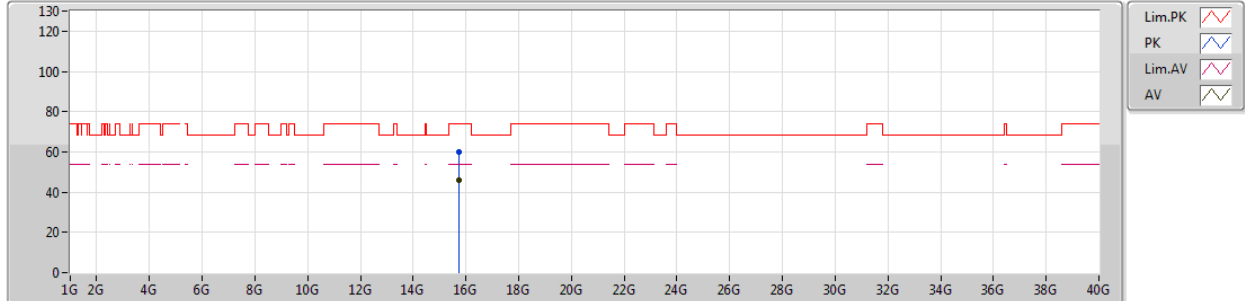
EUT Y_1TX_ANT 0
Setting Default
03-K-3-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	5.10855G	59.23	74.00	-14.77	5.76	3	Horizontal	179	2.66								
AV	5.09865G	45.87	54.00	-8.13	5.74	3	Horizontal	179	2.66								
PK	5.24505G	101.05	Inf	-Inf	6.05	3	Horizontal	179	2.66								
AV	5.24535G	95.67	Inf	-Inf	6.05	3	Horizontal	179	2.66								
PK	5.38545G	59.45	74.00	-14.55	6.38	3	Horizontal	179	2.66								
AV	5.38275G	46.31	54.00	-7.69	6.36	3	Horizontal	179	2.66								

pi 4-DQPSK(4M)_Nss1_1TX

09/04/2019

5246.35MHz_TX



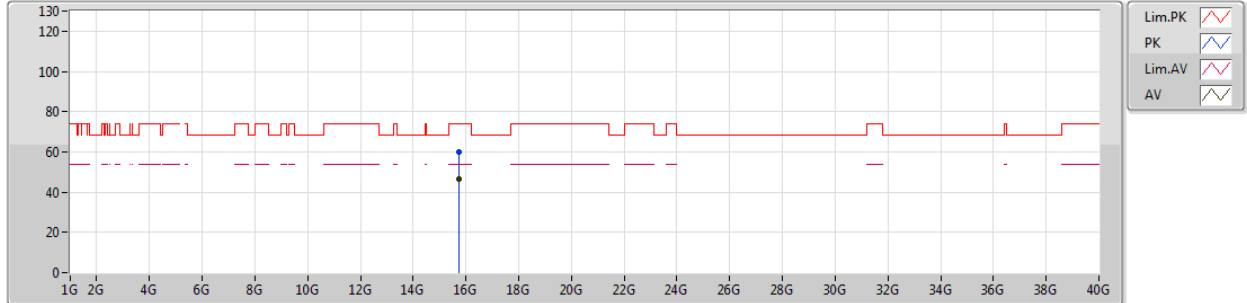
EUT Y_1TX_ANT 0
Setting Default
03-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height								
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)								
PK	15.73311G	59.97	74.00	-14.03	14.53	3	Vertical	207	2.33								
AV	15.72225G	46.03	54.00	-7.97	14.57	3	Vertical	207	2.33								

pi 4-DQPSK(4M)_Nss1_1TX

09/04/2019

5246.35MHz_TX



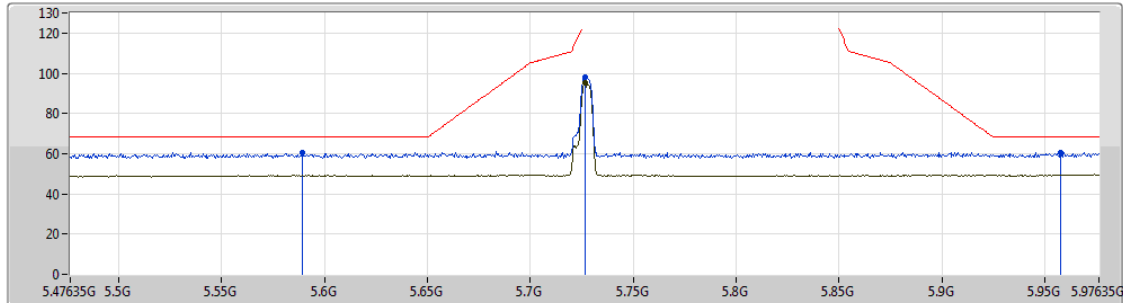
EUT Y_1TX_ANT 0
Setting Default
03-K-3
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)						
PK	15.73062G	59.97	74.00	-14.03	14.54	3	Horizontal	303	1.71						
AV	15.73029G	46.28	54.00	-7.72	14.54	3	Horizontal	303	1.71						

pi 4-DQPSK(4M)_Nss1_1TX

09/04/2019

5727.35MHz_TX



Lim.PK 
 PK 
 Lim.AV 
 AV 

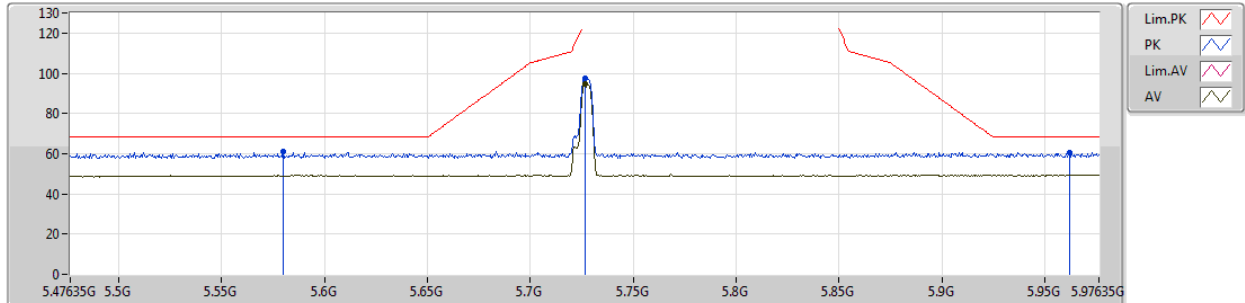
EUT Y_1TX_ANT 0
 Setting Default
 03-L-3-10
 FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	5.58935G	60.49	68.20	-7.71	6.38	3	Vertical	189	1.50								
PK	5.72635G	97.81	Inf	-Inf	6.39	3	Vertical	189	1.50								
AV	5.72635G	95.17	Inf	-Inf	6.39	3	Vertical	189	1.50								
PK	5.95785G	60.54	68.20	-7.66	6.92	3	Vertical	189	1.50								

pi 4-DQPSK(4M)_Nss1_1TX

5727.35MHz_TX

09/04/2019



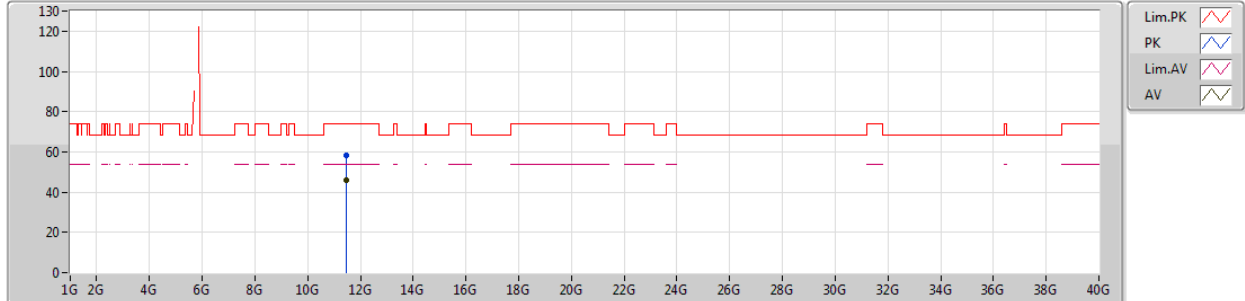
EUT Y_1TX_ANT 0
Setting Default
03-L-3-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	5.57985G	61.08	68.20	-7.12	6.39	3	Horizontal	22	1.07								
PK	5.72635G	97.43	Inf	-Inf	6.39	3	Horizontal	22	1.07								
AV	5.72635G	94.65	Inf	-Inf	6.39	3	Horizontal	22	1.07								
PK	5.96235G	60.57	68.20	-7.63	6.94	3	Horizontal	22	1.07								

pi 4-DQPSK(4M)_Nss1_1TX

09/04/2019

5727.35MHz_TX



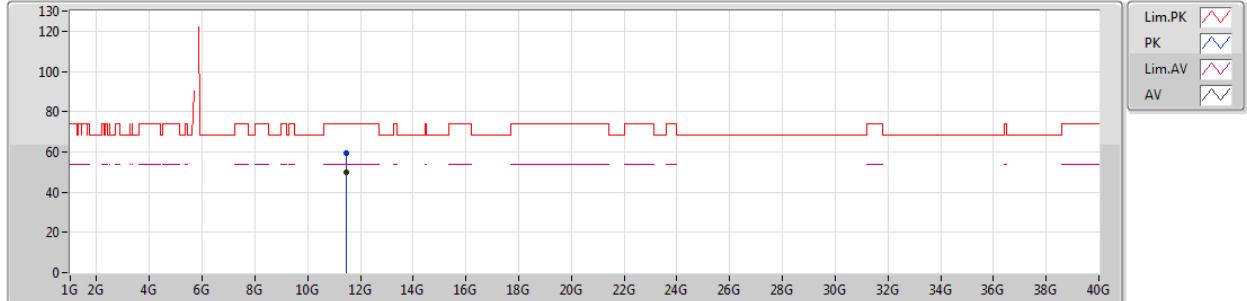
EUT Y_1TX_ANT 0
Setting Default
03-L-3
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)						
PK	11.45262G	58.45	74.00	-15.55	14.38	3	Vertical	345	2.80						
AV	11.45G	45.77	54.00	-8.23	14.38	3	Vertical	345	2.80						

pi 4-DQPSK(4M)_Nss1_1TX

09/04/2019

5727.35MHz_TX



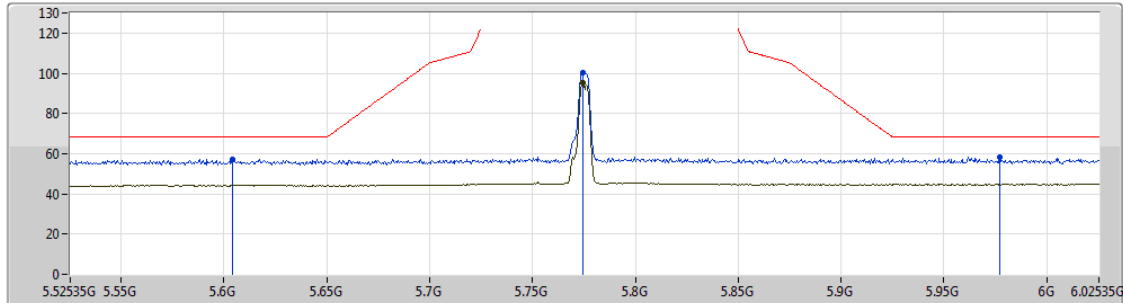
EUT Y_1TX_ANT 0
Setting Default
03-L-3
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)						
PK	11.44982G	59.42	74.00	-14.58	14.37	3	Horizontal	246	2.22						
AV	11.44992G	49.97	54.00	-4.03	14.37	3	Horizontal	246	2.22						

pi 4-DQPSK(4M)_Nss1_1TX

24/04/2019

5775.35MHz_TX



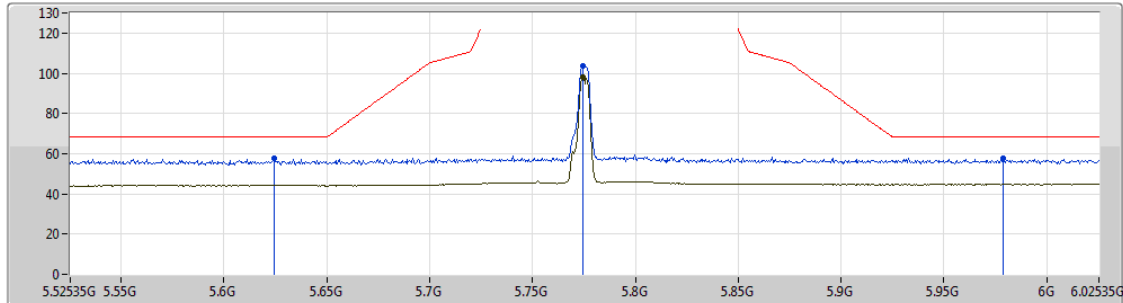
EUT Y_1TX_ANT 0
Setting Default
02-C-5-10
FSP
0422 sample

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	5.60435G	57.23	68.20	-10.97	6.42	3	Vertical	134	2.58								
PK	5.77435G	100.58	Inf	-Inf	6.89	3	Vertical	134	2.58								
AV	5.77435G	95.24	Inf	-Inf	6.89	3	Vertical	134	2.58								
PK	5.97735G	58.33	68.20	-9.87	7.21	3	Vertical	134	2.58								

pi 4-DQPSK(4M)_Nss1_1TX

5775.35MHz_TX

24/04/2019



Lim.PK
PK
Lim.AV
AV

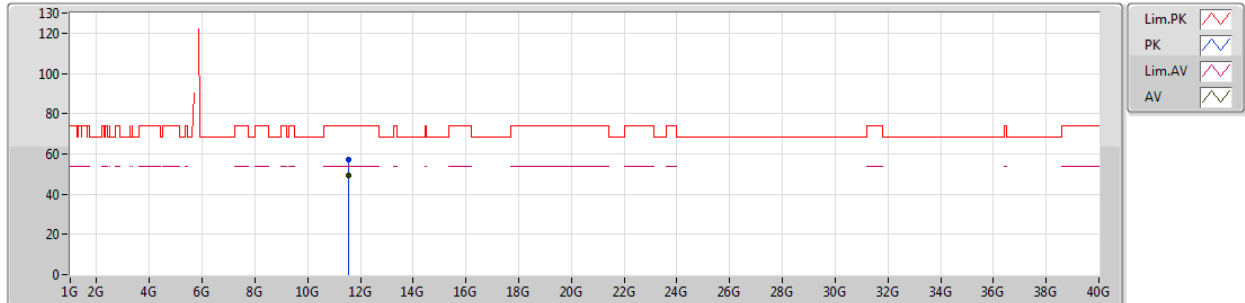
EUT Y_1TX_ANT 0
Setting Default
02-C-5-10
FSP
0422 sample

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	5.62435G	57.63	68.20	-10.57	6.46	3	Horizontal	157	2.42								
PK	5.77435G	103.66	Inf	-Inf	6.89	3	Horizontal	157	2.42								
AV	5.77435G	98.21	Inf	-Inf	6.89	3	Horizontal	157	2.42								
PK	5.97885G	57.94	68.20	-10.26	7.21	3	Horizontal	157	2.42								

pi 4-DQPSK(4M)_Nss1_1TX

24/04/2019

5775.35MHz_TX



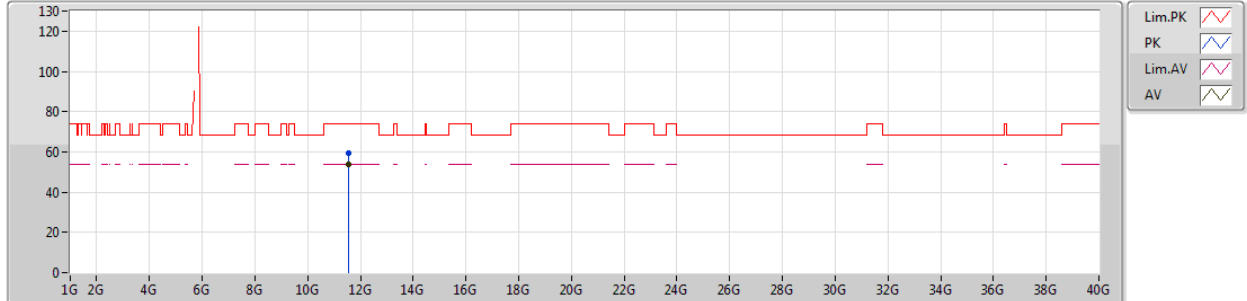
EUT Y_1TX_ANT 0
Setting Default
03-B-4
FSP(100019)
(0422 晶片)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)						
PK	11.5459G	57.07	74.00	-16.93	14.46	3	Vertical	98	2.33						
AV	11.5459G	49.46	54.00	-4.54	14.46	3	Vertical	98	2.33						

pi 4-DQPSK(4M)_Nss1_1TX

23/04/2019

5775.35MHz_TX



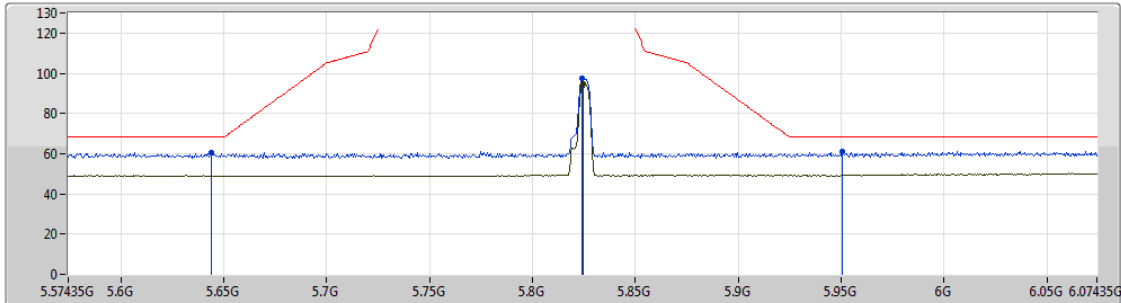
EUT Y_1TX_ANT 0
Setting Default
03-B-4
FSP(100019)
(0422 晶片)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)						
PK	11.54593G	59.17	74.00	-14.83	14.46	3	Horizontal	101	1.69						
AV	11.5459G	53.88	54.00	-0.12	14.46	3	Horizontal	101	1.69						

pi 4-DQPSK(4M)_Nss1_1TX

09/04/2019

5825.35MHz_TX



Lim.PK 
 PK 
 Lim.AV 
 AV 

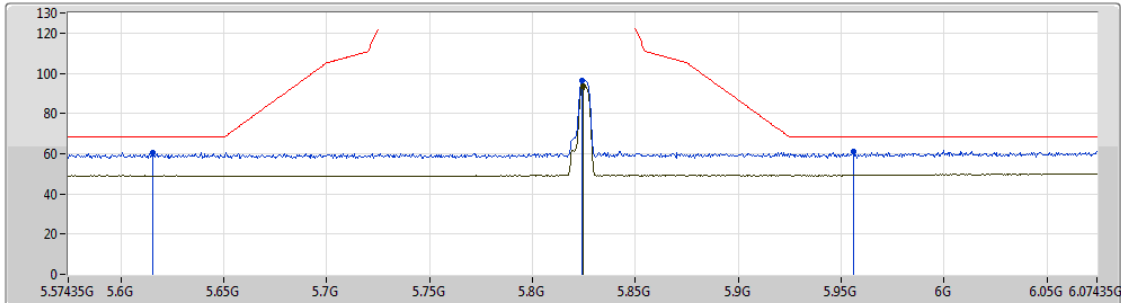
EUT Y_1TX_ANT 0
 Setting Default
 03-L-3-10
 FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	5.64385G	60.63	68.20	-7.57	6.38	3	Vertical	185	1.59								
PK	5.82385G	97.59	Inf	-Inf	6.53	3	Vertical	185	1.59								
AV	5.82435G	94.86	Inf	-Inf	6.53	3	Vertical	185	1.59								
PK	5.95035G	60.99	68.20	-7.21	6.90	3	Vertical	185	1.59								

pi 4-DQPSK(4M)_Nss1_1TX

09/04/2019

5825.35MHz_TX



Lim.PK
PK
Lim.AV
AV

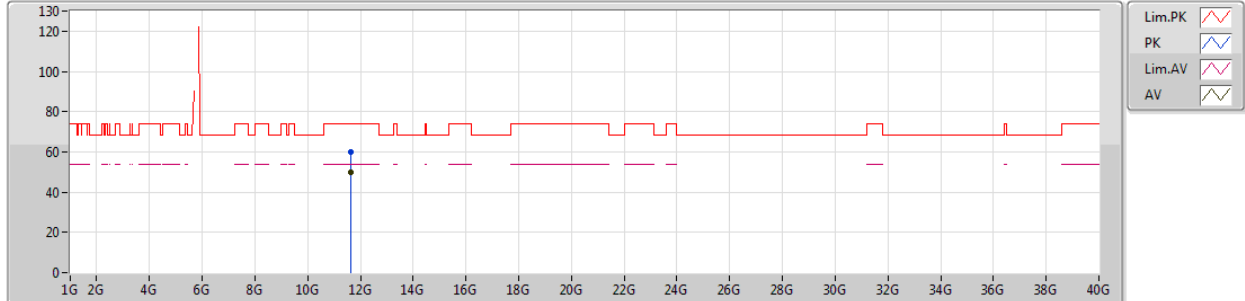
EUT Y_1TX_ANT 0
Setting Default
03-L-3-10
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)								
PK	5.61535G	60.55	68.20	-7.65	6.37	3	Horizontal	38	1.01								
PK	5.82385G	96.42	Inf	-Inf	6.53	3	Horizontal	38	1.01								
AV	5.82435G	93.79	Inf	-Inf	6.53	3	Horizontal	38	1.01								
PK	5.95585G	60.89	68.20	-7.31	6.92	3	Horizontal	38	1.01								

pi 4-DQPSK(4M)_Nss1_1TX

09/04/2019

5825.35MHz_TX



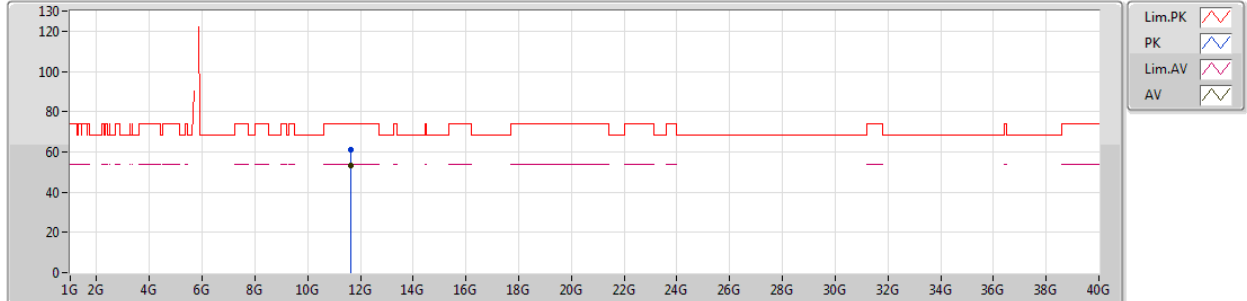
EUT Y_1TX_ANT 0
Setting Default
03-L-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height								
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)								
PK	11.64553G	59.83	74.00	-14.17	14.57	3	Vertical	200	2.41								
AV	11.64592G	49.93	54.00	-4.07	14.57	3	Vertical	200	2.41								

pi 4-DQPSK(4M)_Nss1_1TX

09/04/2019

5825.35MHz_TX



EUT Y_1TX_ANT 0
Setting Default
03-L-3
FSP

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)						
PK	11.64583G	61.32	74.00	-12.68	14.57	3	Horizontal	252	2.17						
AV	11.64588G	53.23	54.00	-0.77	14.57	3	Horizontal	252	2.17						