



# RADIO TEST REPORT

**FCC ID** : NKR-SWA54  
**Equipment** : Wireless Audio Module  
**Brand Name** : WNC  
**Model Name** : SWA54  
**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 Sep. 08, 2022, and testing was started from Sep. 15, 2022 and completed on Oct. 20, 2022. We, Sporton International Inc. Hsinchu 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 test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. Hsinchu Laboratory, the test report shall not be reproduced except in full.

Approved by: Sam Chen

**Sporton International Inc. Hsinchu Laboratory**

No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)



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### 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	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.407(a)	Emission Bandwidth	PASS	-
3.3	15.407(a)	Maximum Output Power	PASS	-
3.4	15.407(a)	Power Spectral Density	PASS	-
3.5	15.407(b)	Unwanted Emissions	PASS	-

**Declaration of Conformity:**

1. The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers. It's means measurement values may risk exceeding the limit of regulation standards, if measurement uncertainty is include in test results.
2. The measurement uncertainty please refer to report "Measurement Uncertainty".

**Comments and Explanations:**

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

**Reviewed by: Sam Chen**

**Report Producer: Jessie Wei**



# 1 General Description

## 1.1 Information

### 1.1.1 RF General Information

Frequency Range (MHz)	Mode	Bandwidth	Frequency Spacing (MHz)	Ch. Frequency (MHz)	Channel Number
5150-5250	pi/4-DQPSK	2MHz	2	5157.35-5247.35	3-48 [46]
		4MHz		5160.35-5246.35	4-47 [44]
2MHz		2	5726.35-5848.35	0-61 [62]	
4MHz			5727.35-5847.35	0-60 [61]	
5725-5895		2MHz	2	5850.35-5874.35	62-74 [13]
		4MHz		5849.35-5875.35	61-74 [14]

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
5.725-5.895GHz	pi/4-DQPSK	2	1TX
5.725-5.895GHz	pi/4-DQPSK	4	1TX

**Note:**

- ◆ Use pi/4-DQPSK modulation.
- ◆ BWch is the nominal channel bandwidth.
- ◆ Nss-Min is the minimum number of spatial streams.



**1.1.2 Channel List**

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



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



Frequency Band	Bandwidth	Channel No.	Frequency	Channel No.	Frequency
5.725-5.85GHz (UNII 3)	2 MHz	0	5726.35	31	5788.35
		1	5728.35	32	5790.35
		2	5730.35	33	5792.35
		3	5732.35	34	5794.35
		4	5734.35	35	5796.35
		5	5736.35	36	5798.35
		6	5738.35	37	5800.35
		7	5740.35	38	5802.35
		8	5742.35	39	5804.35
		9	5744.35	40	5806.35
		10	5746.35	41	5808.35
		11	5748.35	42	5810.35
		12	5750.35	43	5812.35
		13	5752.35	44	5814.35
		14	5754.35	45	5816.35
		15	5756.35	46	5818.35
		16	5758.35	47	5820.35
		17	5760.35	48	5822.35
		18	5762.35	49	5824.35
		19	5764.35	50	5826.35
		20	5766.35	51	5828.35
		21	5768.35	52	5830.35
		22	5770.35	53	5832.35
		23	5772.35	54	5834.35
		24	5774.35	55	5836.35
		25	5776.35	56	5838.35
		26	5778.35	57	5840.35
		27	5780.35	58	5842.35
		28	5782.35	59	5844.35
		29	5784.35	60	5846.35
		30	5786.35	61	5848.35





Frequency Band	Bandwidth	Channel No.	Frequency	Channel No.	Frequency
5.725-5.85GHz (UNII 3)	4 MHz	0	5727.35	31	5789.35
		1	5729.35	32	5791.35
		2	5731.35	33	5793.35
		3	5733.35	34	5795.35
		4	5735.35	35	5797.35
		5	5737.35	36	5799.35
		6	5739.35	37	5801.35
		7	5741.35	38	5803.35
		8	5743.35	39	5805.35
		9	5745.35	40	5807.35
		10	5747.35	41	5809.35
		11	5749.35	42	5811.35
		12	5751.35	43	5813.35
		13	5753.35	44	5815.35
		14	5755.35	45	5817.35
		15	5757.35	46	5819.35
		16	5759.35	47	5821.35
		17	5761.35	48	5823.35
		18	5763.35	49	5825.35
		19	5765.35	50	5827.35
		20	5767.35	51	5829.35
		21	5769.35	52	5831.35
		22	5771.35	53	5833.35
		23	5773.35	54	5835.35
		24	5775.35	55	5837.35
		25	5777.35	56	5839.35
		26	5779.35	57	5841.35
		27	5781.35	58	5843.35
		28	5783.35	59	5845.35
		29	5785.35	60	5847.35
		30	5787.35	-	-



Frequency Band	Bandwidth	Channel No.	Frequency	Channel No.	Frequency
5.725-5.895GHz (UNII 4)	2 MHz	62	5850.35	69	5864.35
		63	5852.35	70	5866.35
		64	5854.35	71	5868.35
		65	5856.35	72	5870.35
		66	5858.35	73	5872.35
		67	5860.35	74	5874.35
		68	5862.35	-	-

Frequency Band	Bandwidth	Channel No.	Frequency	Channel No.	Frequency
5.725-5.895GHz (UNII 4)	4 MHz	61	5849.35	68	5863.35
		62	5851.35	69	5865.35
		63	5853.35	70	5867.35
		64	5855.35	71	5869.35
		65	5857.35	72	5871.35
		66	5859.35	73	5873.35
		67	5861.35	74	5875.35

### 1.1.3 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)			Remark
						UNII 1	UNII 3	UNII 4	
1	1	WNC	SWA54	Printed Antenna	N/A	4.32	4.90	4.50	Internal
2	2	WNC	SWA54	Printed Antenna	N/A	2.40	3.50	2.96	
3	1	KINGRF	IA.0355.LA.2FI	PCB Antenna	I-PEX	3.03	4.23	3.01	External

Note: The above information was declared by manufacturer.

#### 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) ≥ 1/T
pi/4-DQPSK	1	0	n/a (DC>=0.98)	n/a (DC>=0.98)

Note:

- ◆ DC is Duty Cycle.
- ◆ DCF is Duty Cycle Factor.

1.1.5 EUT Operational Condition

<b>EUT Power Type</b>	From Host System		
<b>Beamforming Function</b>	<input type="checkbox"/> With beamforming	<input checked="" type="checkbox"/>	Without beamforming
<b>Function</b>	<input type="checkbox"/> Outdoor P2M	<input type="checkbox"/>	Indoor P2M
	<input type="checkbox"/> Fixed P2P	<input checked="" type="checkbox"/>	Client
	<input checked="" type="checkbox"/> Point-to-multipoint	<input type="checkbox"/>	Point-to-point
<b>Device Type (UNII 4)</b>	<input type="checkbox"/> Indoor Access Point	<input type="checkbox"/>	Subordinate
	<input checked="" type="checkbox"/> Indoor Client		
<b>Test Software Version</b>	vmxui(version 2.3)		

Note: The above information was declared by manufacturer.

1.1.6 Table for EUT type information

EUT Type	Module	Firmware	Description
EUT 1 (Internal)	TX	72.1.15	The variation of EUT is for different firmware.
	RX	72.1.1	
EUT 2 (External)	TX	72.1.15	
	RX	72.1.1	

Note 1: EUT 1 was selected to test all items and EUT 2 was selected to test Emission Bandwidth, Maximum Output Power, Power Spectral Density and Unwanted Emissions, and their data were recorded in this report.

Note 2: The above information was declared by manufacturer.



### 1.2 Applicable 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

The following reference test guidance is not within the scope of accreditation of TAF.

- ◆ FCC KDB 412172 D01 v01r01
- ◆ FCC KDB 414788 D01 v01r01
- ◆ FCC KDB 291074 D02 v01

### 1.3 Testing Location Information

Testing Location Information	
Test Lab. : Sporton International Inc. Hsinchu Laboratory	
Hsinchu (TAF: 3787)	ADD: No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.) TEL: 886-3-656-9065 FAX: 886-3-656-9085 Test site Designation No. TW3787 with FCC. Conformity Assessment Body Identifier (CABID) TW3787 with ISED.

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH03-CB	Eddie Weng	23~23.9 / 55~58	Sep. 26, 2022~ Oct. 08, 2022
Radiated below 1GHz	03CH03-CB	Ederson Huang	24.4~25.5 / 55~58	Sep. 15, 2022~ Sep. 16, 2022
Radiated above 1GHz (For UNII1, UNII 3)	03CH03-CB	Stim Sung	23~23.9 / 55~58	Sep. 16, 2022~ Sep. 21, 2022
	03CH06-CB	Stim Sung	24.3~25.4 / 62~65	
Radiated above 1GHz (For UNII4)	03CH03-CB	Stim Sung	23~23.9 / 55~58	
AC Conduction	CO01-CB	Elvin Yeh	20~23 / 59~63	Oct. 20, 2022



## 1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	5.2 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.7 dB	Confidence levels of 95%
Conducted Emission	3.2 dB	Confidence levels of 95%
Output Power Measurement	0.8 dB	Confidence levels of 95%
Power Density Measurement	3.2 dB	Confidence levels of 95%
Bandwidth Measurement	2.0 %	Confidence levels of 95%



## 2 Test Configuration of EUT

### 2.1 Test Channel Mode

Mode
pi/4-DQPSK,2M
5157.35MHz
5201.35MHz
5247.35MHz
5726.35MHz
5788.35MHz
5848.35MHz
5850.35MHz
5860.35MHz
5874.35MHz
pi/4-DQPSK,4M
5160.35MHz
5202.35MHz
5246.35MHz
5727.35MHz
5787.35MHz
5847.35MHz
5849.35MHz
5861.35MHz
5875.35MHz



## 2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
<b>Tests Item</b>	AC power-line conducted emissions
<b>Condition</b>	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
<b>Operating Mode</b>	Normal Link
1	EUT 1

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

The Worst Case Mode for Following Conformance Tests	
<b>Tests Item</b>	Unwanted Emissions
<b>Test Condition</b>	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
<b>Operating Mode &lt; 1GHz</b>	Normal Link
1	EUT 1 in Z axis
2	EUT 1 in Y axis
3	EUT 1 in X axis
4	EUT 2 in Z axis
5	EUT 2 in Y axis
6	EUT 2 in X axis
For operating mode 4 is the worst case and it was record in this test report.	
<b>Operating Mode &gt; 1GHz</b>	CTX
1. The EUT 1 was performed at X axis, Y axis and Z axis position, and the worst case was found at Z axis for Harmonic and X axis for Bandedge. So the measurement will follow this same test configuration.	
2. The EUT 2 was performed at X axis, Y axis and Z axis position, and the worst case was found at Z axis. So the measurement will follow this same test configuration.	
1	EUT 1 in Z axis for Harmonic and X axis for Bandedge
2	EUT 2 in Z axis



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 5GHz

Refer to Sporton Test Report No.: FA282410 for Co-location RF Exposure Evaluation.

### 2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link:

During the test, the EUT operation to normal function.

### 2.4 Accessories

N/A





## 2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	DC power supply	Advanced	LPS-305	N/A
B	Fixture	WNC	48SWA524.SGB	N/A
C	Fixture	WNC	48SWA524.SGB	N/A
D	Device	WNC	SWA54	N/A

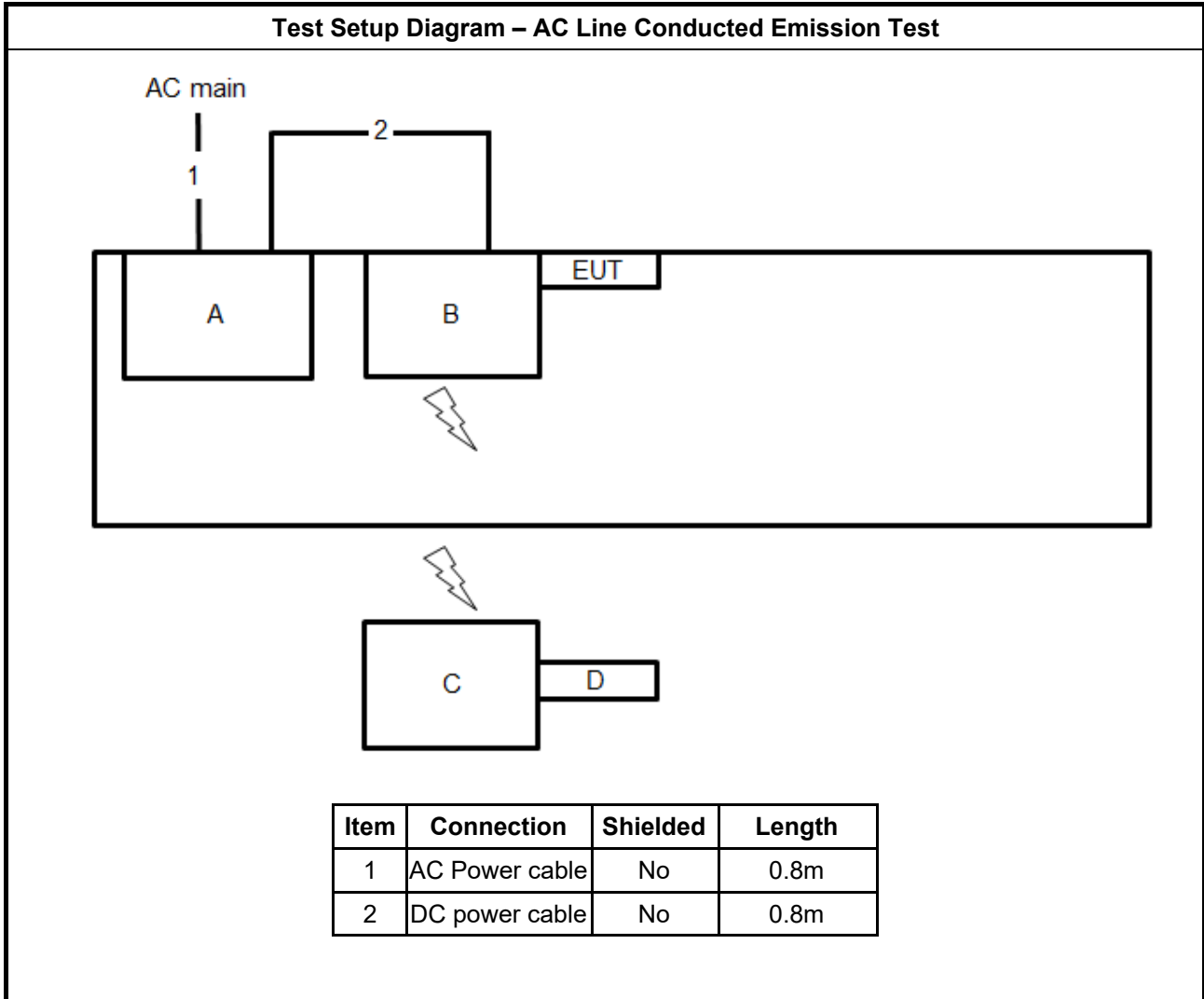
For Radiated (below 1GHz):

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	DC Power Supply	MOTECH	LPS-305	N/A
B	Fixture	WNC	48SWA524.SGB	N/A
C	Fixture	WNC	48SWA524.SGB	N/A
D	Device	WNC	SWA54	N/A

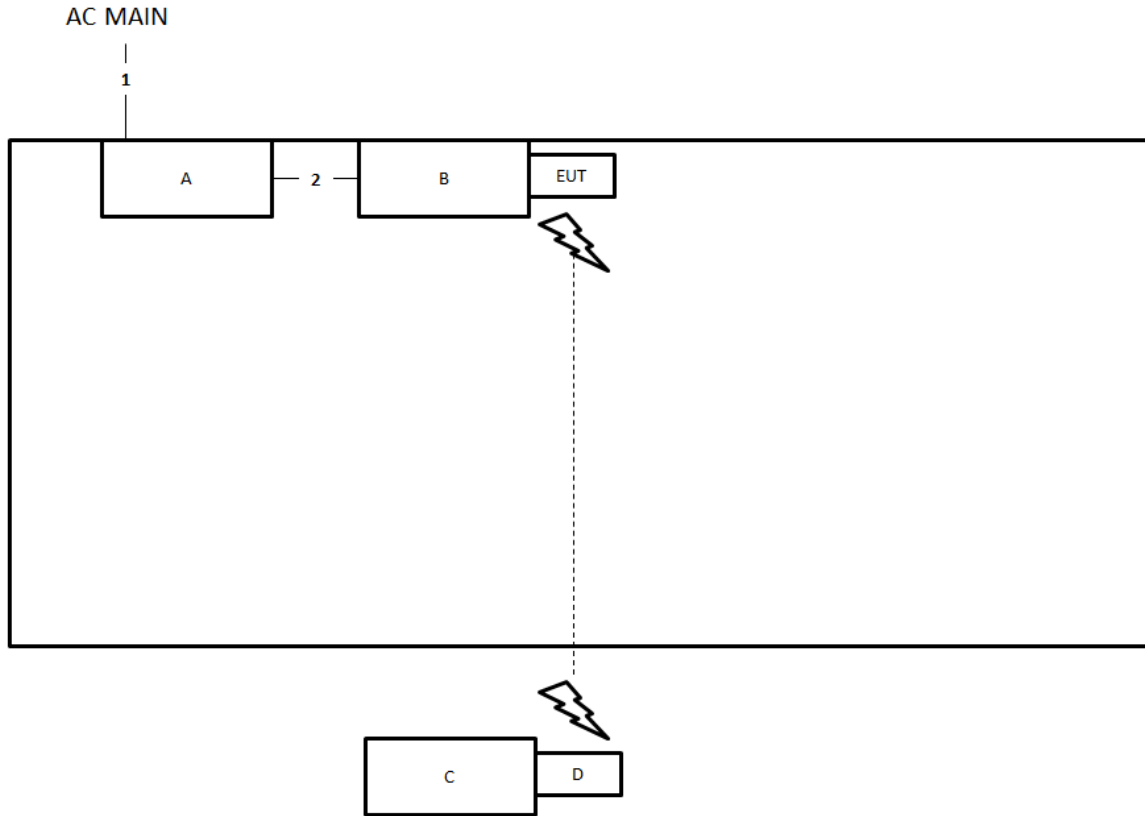
For Radiated (above 1GHz) and RF Conducted:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	Fixture	WNC	48SWA524.SGB	N/A
C	DC Power Supply	MOTECH	LPS-305	N/A

## 2.6 Test Setup Diagram

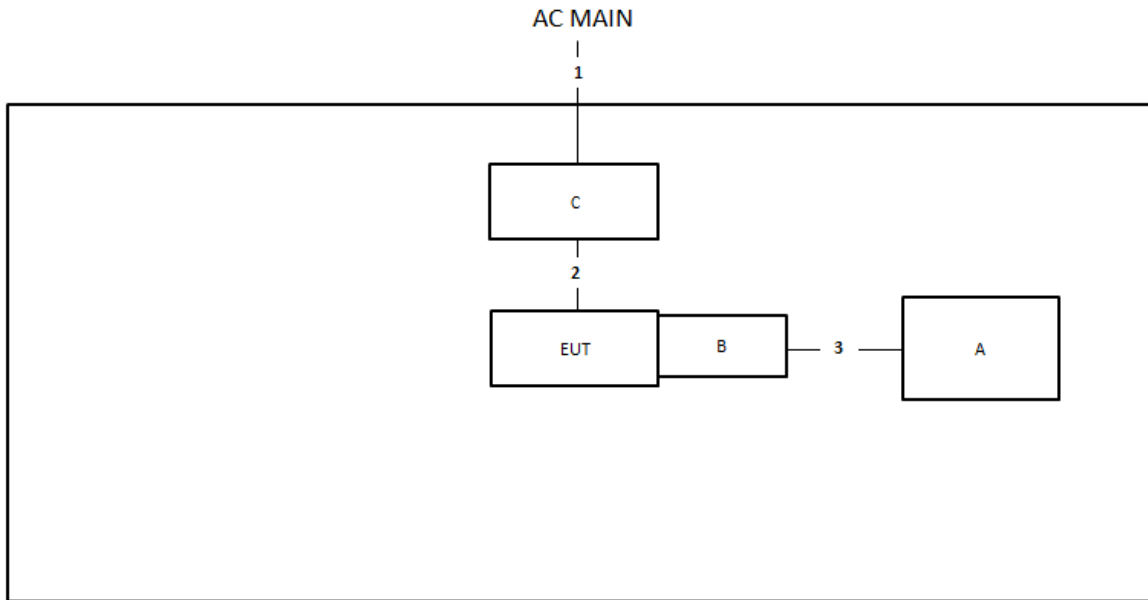


**Test Setup Diagram - Radiated Test < 1GHz**



Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	Crocodile clip cable *2	No	1.5m

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



Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	Crocodile clip cable *2	No	1.5m
3	USB cable	No	1.7m



### 3 Transmitter Test Result

#### 3.1 AC Power-line Conducted Emissions

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

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

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

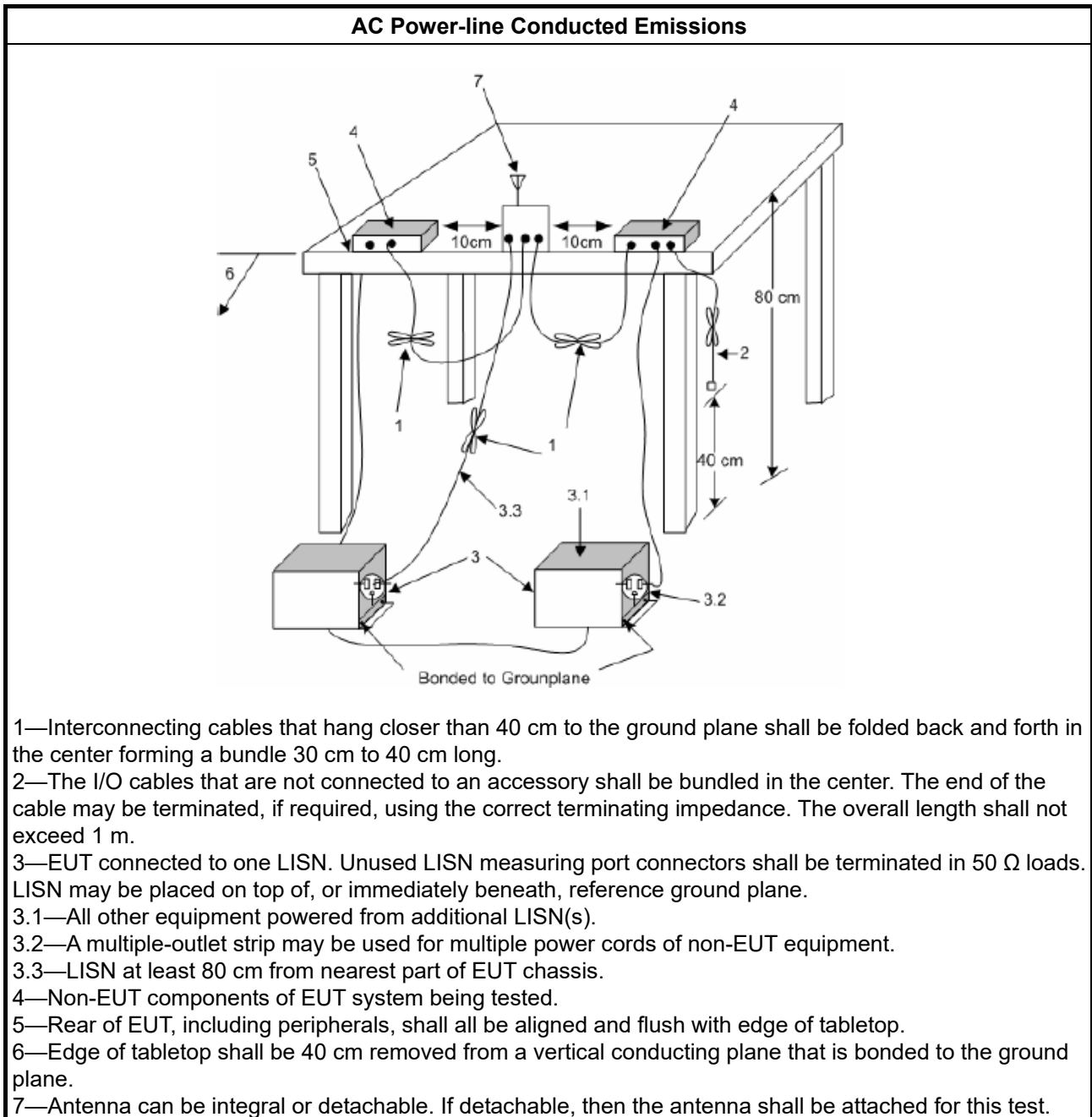
##### 3.1.2 Measuring Instruments

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

##### 3.1.3 Test Procedures

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

### 3.1.4 Test Setup



### 3.1.5 Measurement Results Calculation

The measured Level is calculated using:

- a. Corrected Reading: LISN Factor (LISN) + Attenuator (AT/AUX) + Cable Loss (CL) + Read Level (Raw) = Level
- b. Margin = -Limit + Level

### 3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A



### 3.2 Emission Bandwidth

#### 3.2.1 Emission Bandwidth Limit

Emission Bandwidth Limit	
<b>UNII Devices</b>	
<input checked="" type="checkbox"/>	For the 5.15-5.25 GHz band, N/A
<input type="checkbox"/>	For the 5.25-5.35 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
<input type="checkbox"/>	For the 5.47-5.725 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
<input checked="" type="checkbox"/>	For the 5.725-5.85 GHz band, 26 dB emission bandwidth ,N/A. 6 dB emission bandwidth ≥ 500kHz.
<input checked="" type="checkbox"/>	For the 5.85-5.895 GHz band, 26 dB emission bandwidth ,N/A. 6 dB emission bandwidth ≥ 500kHz.
<b>LE-LAN Devices</b>	
<input type="checkbox"/>	For the band 5.15-5.25 GHz, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
<input type="checkbox"/>	For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
<input type="checkbox"/>	For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
<input type="checkbox"/>	For the 5.725-5.85 GHz band, 6 dB emission bandwidth ≥ 500kHz.

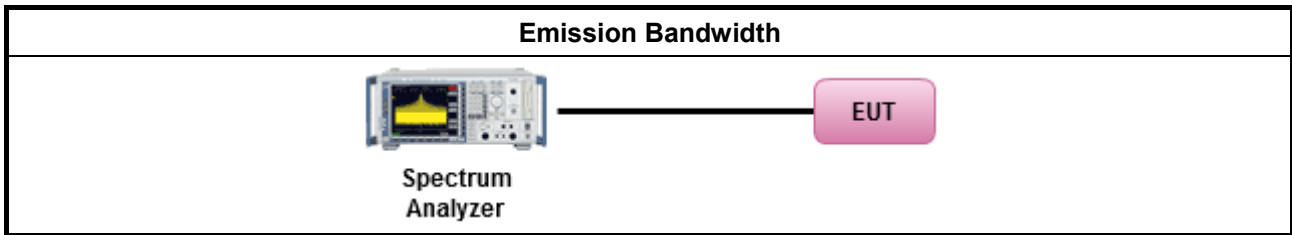
#### 3.2.2 Measuring Instruments

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

#### 3.2.3 Test Procedures

Test Method							
<ul style="list-style-type: none"> <li>▪ For the emission bandwidth shall be measured using one of the options below:           <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30px;"><input checked="" type="checkbox"/></td> <td>Refer as FCC KDB 789033 D02, clause C for EBW and clause D for OBW measurement.</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.</td> </tr> </table> </li> </ul>		<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause C for EBW and clause D for OBW measurement.	<input type="checkbox"/>	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.	<input type="checkbox"/>	Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause C for EBW and clause D for OBW measurement.						
<input type="checkbox"/>	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.						
<input type="checkbox"/>	Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.						

### 3.2.4 Test Setup



### 3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B





### 3.3 Maximum Output Power

#### 3.3.1 Limit

<b>Maximum Output Power Limit</b>	
<b>UNII Devices</b>	
<input checked="" type="checkbox"/> For the 5.15-5.25 GHz band:	
	<ul style="list-style-type: none"> <li>▪ Outdoor AP: the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 1 W. If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)</math>. e.i.r.p. at any elevation angle above 30 degrees <math>\leq 125mW</math> [21dBm]</li> <li>▪ Indoor AP: the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 1 W. If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)</math></li> <li>▪ Point-to-point AP: the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 1 W. If <math>G_{TX} &gt; 23</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 23)</math>.</li> <li>▪ Mobile or Portable Client: the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 250 mW. If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 24 - (G_{TX} - 6)</math>.</li> </ul>
<input type="checkbox"/> For the 5.25-5.35 GHz band, the maximum conducted output power ( $P_{Out}$ ) shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$ , where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$ .	
<input type="checkbox"/> For the 5.47-5.725 GHz band, the maximum conducted output power ( $P_{Out}$ ) shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$ , where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$ .	
<input checked="" type="checkbox"/> For the 5.725-5.85 GHz band:	
	<ul style="list-style-type: none"> <li>▪ Point-to-multipoint systems (P2M): the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 1 W. If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)</math>.</li> <li>▪ Point-to-point systems (P2P): the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 1 W.</li> </ul>
<b>Maximum EIRP Limit</b>	
<input checked="" type="checkbox"/> For the 5.85-5.895 GHz band:	
	<ul style="list-style-type: none"> <li>▪ Indoor AP &amp; subordinate device &lt; 36 dBm</li> <li>▪ Client device &lt; 30 dBm</li> </ul>
<b>LE-LAN Devices</b>	
<input type="checkbox"/> For the 5.15-5.25 GHz band, the maximum e.i.r.p. shall not exceed 200 mW or $10 + 10 \log B$ , dBm, whichever power is less. B is the 99% emission bandwidth in MHz.	
<input type="checkbox"/> For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log B$ , dBm, whichever power is less. B is the 99% emission bandwidth in MHz	
<input type="checkbox"/> For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log B$ , dBm, whichever power is less. B is the 99% emission bandwidth in MHz	
<input type="checkbox"/> For the 5.725-5.85 GHz band:	
	<ul style="list-style-type: none"> <li>▪ Point-to-multipoint systems (P2M): the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 1 W. If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)</math>.</li> <li>▪ Point-to-point systems (P2P): the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the</li> </ul>

lesser of 1 W.

$P_{Out}$  = maximum conducted output power in dBm,  
 $G_{TX}$  = the maximum transmitting antenna directional gain in dBi.

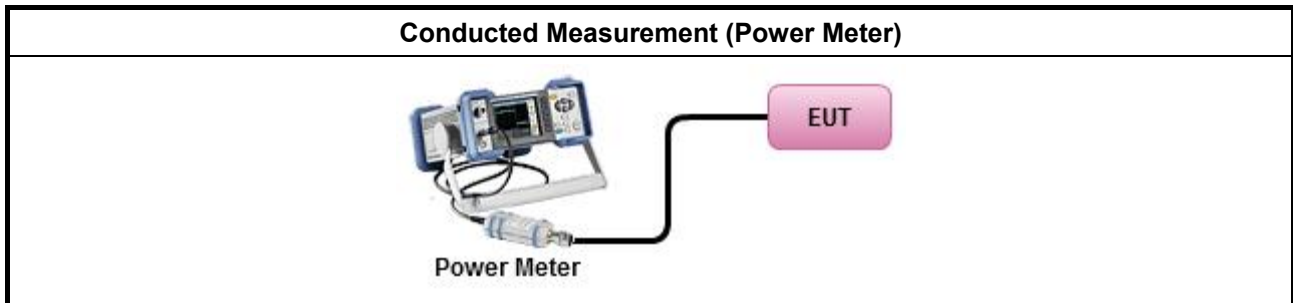
### 3.3.2 Measuring Instruments

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

### 3.3.3 Test Procedures

Test Method	
Average over on/off periods with duty factor	
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
Wideband RF power meter and average over on/off periods with duty factor	
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method PM-G (using an RF average power meter).
<input checked="" type="checkbox"/>	For conducted measurement.
<input type="checkbox"/>	<ul style="list-style-type: none"> <li>If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.</li> <li>If multiple transmit chains, EIRP calculation could be following as methods:  <math>P_{total} = P_1 + P_2 + \dots + P_n</math>                      (calculated in linear unit [mW] and transfer to log unit [dBm])  <math>EIRP_{total} = P_{total} + DG</math> </li> </ul>
<input type="checkbox"/>	For radiated measurement.
<input type="checkbox"/>	<ul style="list-style-type: none"> <li>Refer as FCC KDB 789033 D02 clause II A.1.F "Antenna-port Conducted versus Radiated Testing"</li> <li>Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.</li> <li>Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.</li> </ul>

### 3.3.4 Test Setup



### 3.3.5 Test Result of Maximum Output Power

Refer as Appendix C



### 3.4 Power Spectral Density

#### 3.4.1 Limit

Peak Power Spectral Density Limit	
<b>UNII Devices</b>	
<input checked="" type="checkbox"/> For the 5.15-5.25 GHz band:	
<input type="checkbox"/>	<ul style="list-style-type: none"> <li>Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 17 - (G_{TX} - 6)</math>.</li> <li>Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 17 - (G_{TX} - 6)</math>.</li> <li>Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If <math>G_{TX} &gt; 23</math> dBi, then <math>P_{Out} = 17 - (G_{TX} - 23)</math>.</li> <li>Mobile or Portable Client: the peak power spectral density (PPSD) <math>\leq 11</math> dBm/MHz. If <math>G_{TX} &gt; 6</math> dBi, then <math>PPSD = 11 - (G_{TX} - 6)</math>.</li> </ul>
<input type="checkbox"/> For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) $\leq 11$ dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$ .	
<input type="checkbox"/> For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) $\leq 11$ dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$ .	
<input checked="" type="checkbox"/> For the 5.725-5.85 GHz band:	
<input type="checkbox"/>	<ul style="list-style-type: none"> <li>Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) <math>\leq 30</math> dBm/500kHz. If <math>G_{TX} &gt; 6</math> dBi, then <math>PPSD = 30 - (G_{TX} - 6)</math>.</li> <li>Point-to-point systems (P2P): the peak power spectral density (PPSD) <math>\leq 30</math> dBm/500kHz.</li> </ul>
EIRP Power Spectral Density Limit	
<input checked="" type="checkbox"/> For the 5.85-5.895 GHz band:	
<input type="checkbox"/>	<ul style="list-style-type: none"> <li>Indoor AP &amp; subordinate device &lt; 20dBm/MHz</li> <li>Client device &lt; 14dBm/MHz</li> </ul>
<b>LE-LAN Devices</b>	
<input type="checkbox"/> For the 5.15-5.25 GHz band, the e.i.r.p. peak power spectral density (PPSD) $\leq 10$ dBm/MHz.	
<input type="checkbox"/> For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) $\leq 11$ dBm/MHz.	
<input type="checkbox"/>	<ul style="list-style-type: none"> <li>e.i.r.p. greater than 200 mW shall comply with the following e.i.r.p. at different elevations, where <math>\theta</math> is the angle above the local horizontal plane (of the Earth) as shown below:  -13 dBW/MHz for <math>0^\circ \leq \theta &lt; 8^\circ</math> ; -13 - 0.716 (<math>\theta-8</math>) dBW/MHz for <math>8^\circ \leq \theta &lt; 40^\circ</math>  -35.9 - 1.22 (<math>\theta-40</math>) dBW/MHz for <math>40^\circ \leq \theta \leq 45^\circ</math> ; -42 dBW/MHz for <math>\theta &gt; 45^\circ</math></li> </ul>
<input type="checkbox"/> For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the peak power spectral density (PPSD) $\leq 11$ dBm/MHz.	
<input type="checkbox"/> For the 5.725-5.85 GHz band:	
<input type="checkbox"/>	<ul style="list-style-type: none"> <li>Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) <math>\leq 30</math> dBm/500kHz. If <math>G_{TX} &gt; 6</math> dBi, then <math>PPSD = 30 - (G_{TX} - 6)</math>.</li> <li>Point-to-point systems (P2P): the peak power spectral density (PPSD) <math>\leq 30</math> dBm/500kHz.</li> </ul>
<b>PPSD</b> = peak power spectral density that he same method as used to determine the conducted output	



power shall be used to determine the power spectral density. And power spectral density in dBm/MHz  
 $G_{TX}$  = the maximum transmitting antenna directional gain in dBi.

### 3.4.2 Measuring Instruments

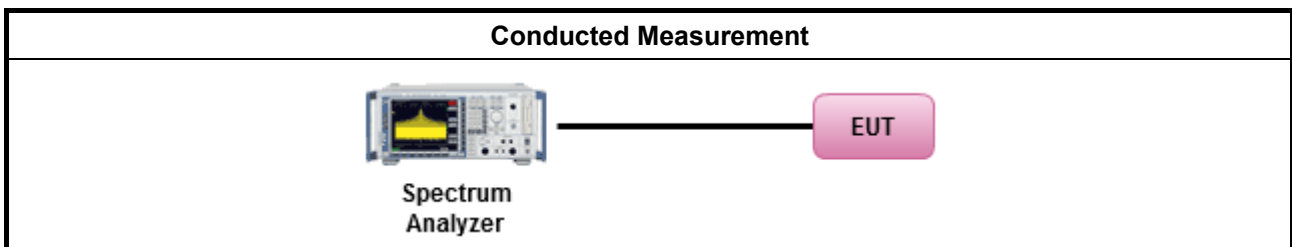
Refer a test equipment and calibration data table in this test report.

### 3.4.3 Test Procedures

Test Method	
	<ul style="list-style-type: none"> <li>▪ Peak power spectral density procedures that the same method as used to determine the conducted output power shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options:</li> </ul>
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth
	[duty cycle ≥ 98% or external video / power trigger]
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-1 (spectral trace averaging).
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-1 Alt. (RMS detection with slow sweep speed)
	duty cycle < 98% and average over on/off periods with duty factor
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
<input checked="" type="checkbox"/>	For conducted measurement.
	<ul style="list-style-type: none"> <li>▪ If the EUT supports multiple transmit chains using options given below:</li> </ul>
<input type="checkbox"/>	Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
<input type="checkbox"/>	Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,
<input type="checkbox"/>	Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.
	<ul style="list-style-type: none"> <li>▪ If multiple transmit chains, EIRP PPSD calculation could be following as methods:  <math>PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n</math>                      (calculated in linear unit [mW] and transfer to log unit [dBm])</li> </ul>

Test Method	
	$EIRP_{total} = PPSD_{total} + DG$
<input type="checkbox"/>	For radiated measurement.
	<ul style="list-style-type: none"> <li>Refer as FCC KDB 789033 D02 clause II A.1.F "Antenna-port Conducted versus Radiated Testing"</li> </ul>
	<ul style="list-style-type: none"> <li>Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.</li> </ul>
	<ul style="list-style-type: none"> <li>Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.</li> </ul>

### 3.4.4 Test Setup



### 3.4.5 Test Result of Power Spectral Density

Refer as Appendix D



### 3.5 Unwanted Emissions

#### 3.5.1 Transmitter 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.



<b>Un-restricted band emissions above 1GHz Limit</b>	
<b>Operating Band</b>	<b>Limit</b>
<input checked="" type="checkbox"/> 5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
<input type="checkbox"/> 5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
<input type="checkbox"/> 5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
<input checked="" type="checkbox"/> 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.
<input checked="" type="checkbox"/> 5.85 - 5.895 GHz	(i) For an indoor access point or subordinate device, all emissions at or above 5.895 GHz shall not exceed an e.i.r.p. of 15 dBm/MHz and shall decrease linearly to an e.i.r.p. of - 7 dBm/MHz at or above 5.925 GHz. (ii) For a client device, all emissions at or above 5.895 GHz shall not exceed an e.i.r.p. of -5 dBm/MHz and shall decrease linearly to an e.i.r.p. of -27 dBm/MHz at or above 5.925 GHz. (iii) For a client device or indoor access point or subordinate device, all emissions below 5.725 GHz shall not exceed an e.i.r.p. of -27 dBm/MHz at 5.65 GHz increasing linearly to 10 dBm/ MHz at 5.7 GHz, and from 5.7 GHz increasing linearly to a level of 15.6 dBm/MHz at 5.72 GHz, and from 5.72 GHz increasing linearly to a level of 27 dBm/MHz at 5.725 GHz.
Note 1: Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).	

**3.5.2 Measuring Instruments**

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

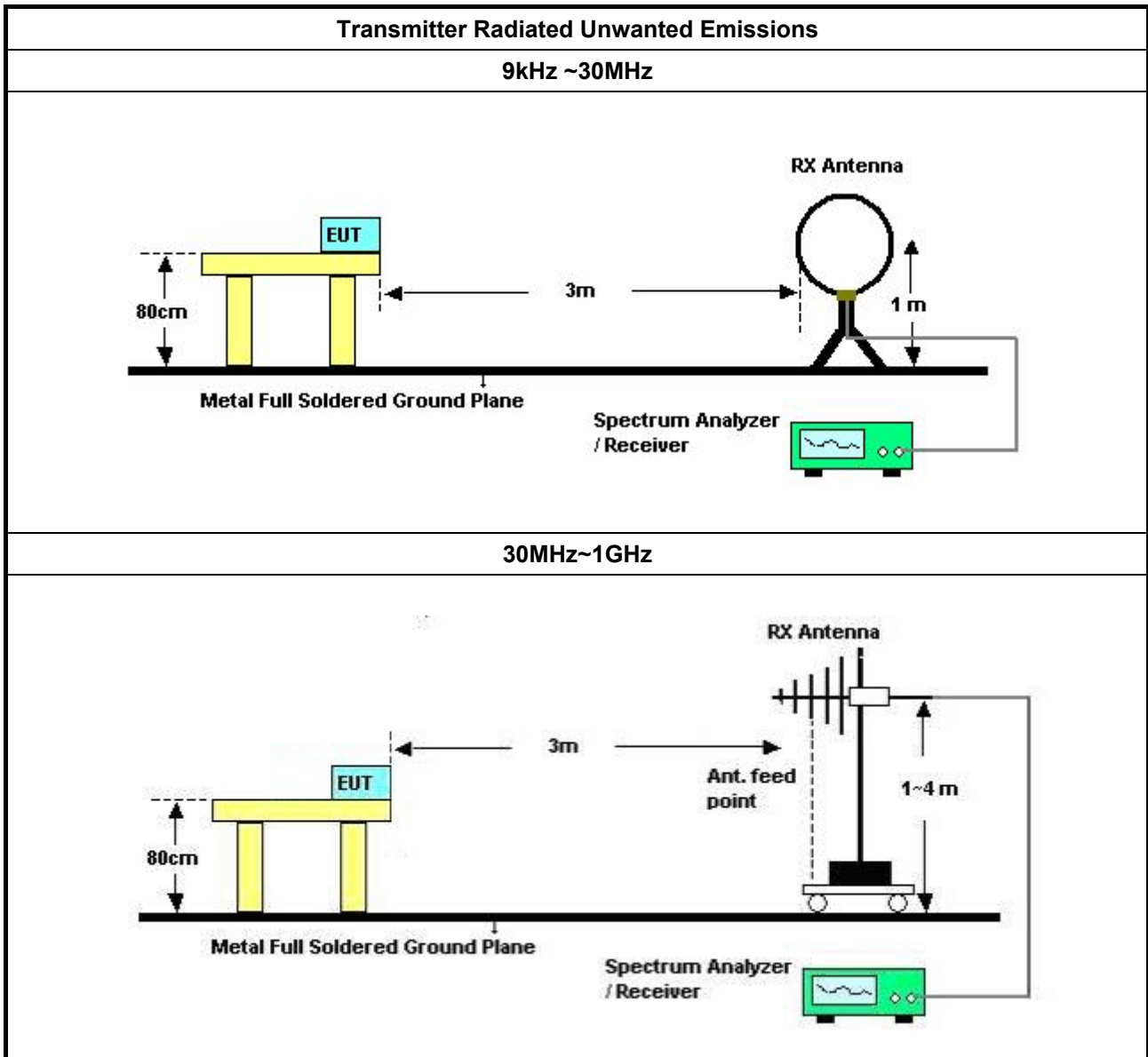


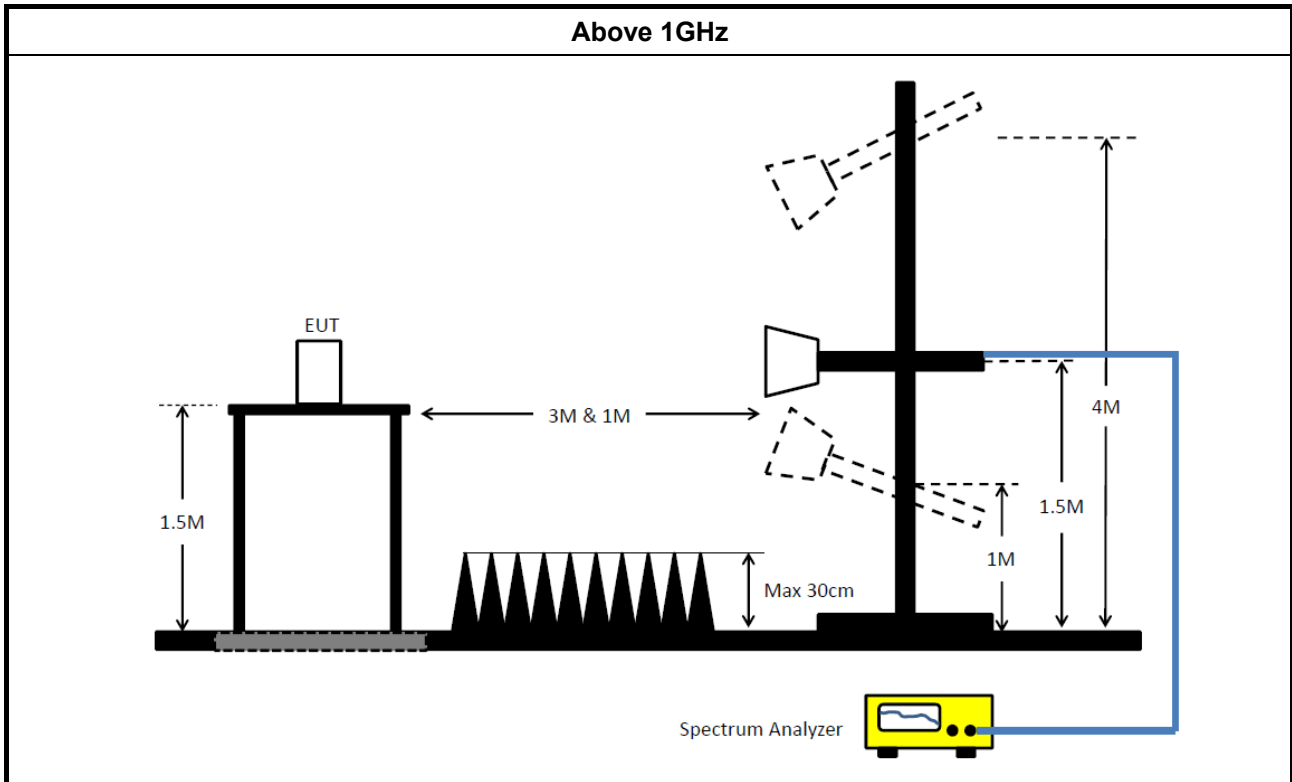
**3.5.3 Test Procedures**

<b>Test Method</b>	
<ul style="list-style-type: none"> <li>▪ Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).</li> </ul>	
<ul style="list-style-type: none"> <li>▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].</li> </ul>	
<ul style="list-style-type: none"> <li>▪ For the transmitter unwanted emissions shall be measured using following options below:</li> </ul>	
	<ul style="list-style-type: none"> <li>▪ Refer as FCC KDB 789033 D02, clause G)2) for unwanted emissions into non-restricted bands.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Refer as FCC KDB 789033 D02, clause G)1) for unwanted emissions into restricted bands.</li> </ul>
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, G)6) Method AD (Trace Averaging).
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, G)6) Method VB (Reduced VBW).
<input type="checkbox"/>	Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.
<input type="checkbox"/>	Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause G)5) measurement procedure peak limit.
<input type="checkbox"/>	Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.
<ul style="list-style-type: none"> <li>▪ For radiated measurement.</li> </ul>	
	<ul style="list-style-type: none"> <li>▪ Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.</li> </ul>
<ul style="list-style-type: none"> <li>▪ The any unwanted emissions level shall not exceed the fundamental emission level.</li> </ul>	
<ul style="list-style-type: none"> <li>▪ All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.</li> </ul>	



**3.5.4 Test Setup**





### 3.5.5 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Antenna factor (AF) + Cable loss (CL) + Read level (Raw) - Preamp factor (PA)(if applicable) = Level.

### 3.5.6 Transmitter Unwanted Emissions (Below 30MHz)

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to KDB414788 Radiated Test Site, and the result came out very similar.

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

The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10th harmonic or 40 GHz, whichever is appropriate.

### 3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E



## 4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Feb. 22, 2022	Feb. 21, 2023	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-1 6-2	04083	150kHz ~ 100MHz	Feb. 09, 2022	Feb. 08, 2023	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Apr. 12, 2022	Apr. 11, 2023	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Feb. 10, 2022	Feb. 09, 2023	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 18, 2022	May 17, 2023	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	May 14, 2022	May 13, 2023	Radiation (03CH03-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH03-CB	30 MHz ~ 1 GHz	Jan. 26, 2022	Jan. 25, 2023	Radiation (03CH03-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH03-CB	1GHz ~18GHz 3m	May 05, 2022	May 04, 2023	Radiation (03CH03-CB)
Bilog Antenna with 6 dB attenuator	Schaffner & EMCi	CBL6112B & N-6-06	2928 & AT-N0608	20MHz ~ 2GHz	Feb. 21, 2022	Feb. 20, 2023	Radiation (03CH03-CB)
Horn Antenna	ETS · Lindgren	3115	6821	750MHz~18GHz	Jan. 21, 2022	Jan. 20, 2023	Radiation (03CH03-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8447D	2944A10259	9kHz ~ 1.3GHz	Jan. 10, 2022	Jan. 09, 2023	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8449B	3008A02097	1GHz ~ 26.5GHz	Jul. 01, 2022	Jun. 30, 2023	Radiation (03CH03-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 20, 2022	Jul. 19, 2023	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 10, 2022	Jun. 09, 2023	Radiation (03CH03-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 17, 2022	Jun. 16, 2023	Radiation (03CH03-CB)
RF Cable-low	Woken	RG402	Low Cable-02+29	30MHz ~ 1GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-20+29	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-29	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH03-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH03-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH06-CB	1GHz~18GHz 3m	Oct. 01, 2021	Sep. 30, 2022	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120D-1292	1GHz~18GHz	Aug. 09, 2022	Aug. 08, 2023	Radiation (03CH06-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	Aug 02, 2022	Aug 01, 2023	Radiation (03CH06-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 20, 2022	Jul. 19, 2023	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSP40	100080	9kHz~40GHz	Dec. 24, 2021	Dec. 23, 2022	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-67	1GHz~18GHz	Feb. 24, 2022	Feb. 23, 2023	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05+67	1GHz~18GHz	Feb. 24, 2022	Feb. 23, 2023	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Jan. 07, 2022	Jan. 06, 2023	Conducted (TH03-CB)
Power Sensor	Anritsu	MA2411B	1531344	300MHz~40GHz	Jul. 31, 2022	Jul. 30, 2023	Conducted (TH03-CB)
Power Meter	Anritsu	ML2495A	1728002	300MHz~40GHz	Jul. 31, 2022	Jul. 30, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-11	1 GHz –18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-11	1 GHz –18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-12	1 GHz –18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-12	1 GHz –18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-13	1 GHz –18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-13	1 GHz –18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-14	1 GHz –18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-14	1 GHz –18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-15	1 GHz –18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-15	1 GHz –18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
Switch	SPTCB	SP-SWI	SWI-03	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	SWI-03-P1	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	SWI-03-P2	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	SWI-03-P3	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	SWI-03-P4	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	SWI-03-P5	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH03-CB)

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

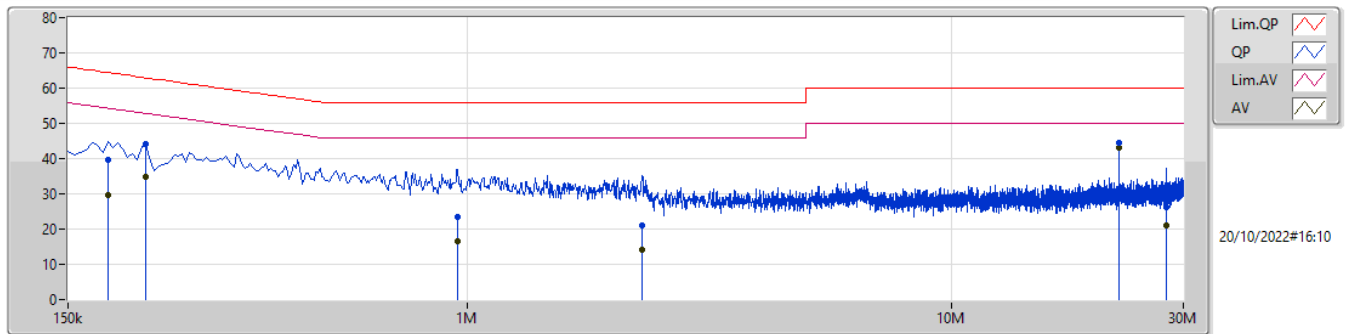
NCR means Non-Calibration required.



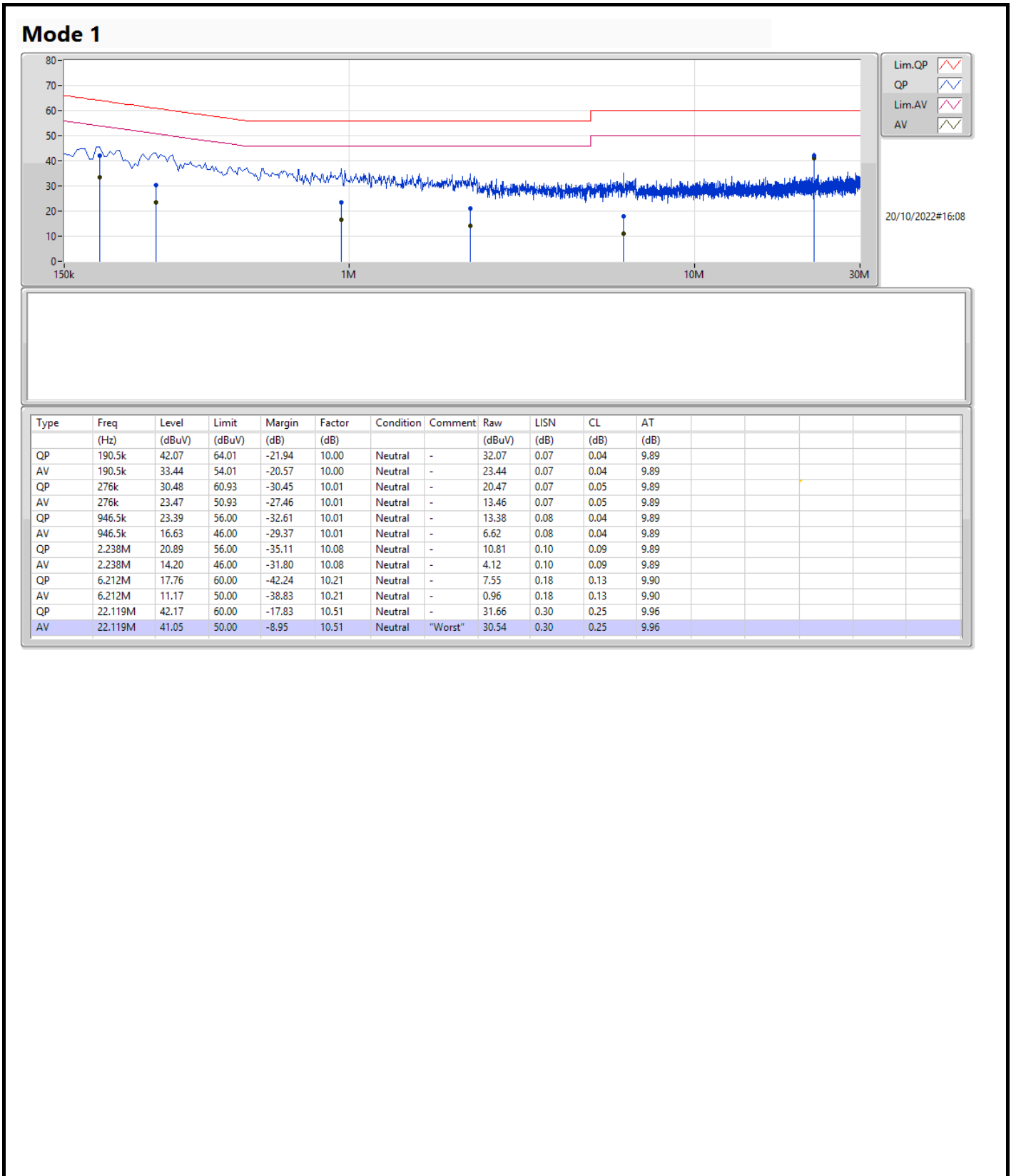
**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	22.119M	43.19	50.00	-6.81	Line

## Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	181.5k	39.80	64.41	-24.61	9.99	Line	-	29.81	0.06	0.04	9.89
AV	181.5k	29.50	54.41	-24.91	9.99	Line	-	19.51	0.06	0.04	9.89
QP	217.5k	44.13	62.92	-18.79	9.99	Line	-	34.14	0.06	0.04	9.89
AV	217.5k	34.82	52.92	-18.10	9.99	Line	-	24.83	0.06	0.04	9.89
QP	955.5k	23.42	56.00	-32.58	10.00	Line	-	13.42	0.07	0.04	9.89
AV	955.5k	16.45	46.00	-29.55	10.00	Line	-	6.45	0.07	0.04	9.89
QP	2.297M	21.11	56.00	-34.89	10.08	Line	-	11.03	0.10	0.09	9.89
AV	2.297M	14.28	46.00	-31.72	10.08	Line	-	4.20	0.10	0.09	9.89
QP	22.119M	44.51	60.00	-15.49	10.53	Line	-	33.98	0.32	0.25	9.96
AV	22.119M	43.19	50.00	-6.81	10.53	Line	"Worst"	32.66	0.32	0.25	9.96
QP	27.654M	26.23	60.00	-33.77	10.69	Line	-	15.54	0.38	0.31	10.00
AV	27.654M	21.06	50.00	-28.94	10.69	Line	-	10.37	0.38	0.31	10.00







**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
4-DQPSK	2.226M	1.899M	1M90G7D	2.211M	1.896M
4-DQPSK	4.242M	3.82M	3M82G7D	4.218M	3.815M
5.725-5.85GHz	-	-	-	-	-
4-DQPSK	1.698M	1.904M	1M90G7D	1.674M	1.896M
4-DQPSK	3.612M	3.825M	3M83G7D	3.588M	3.812M

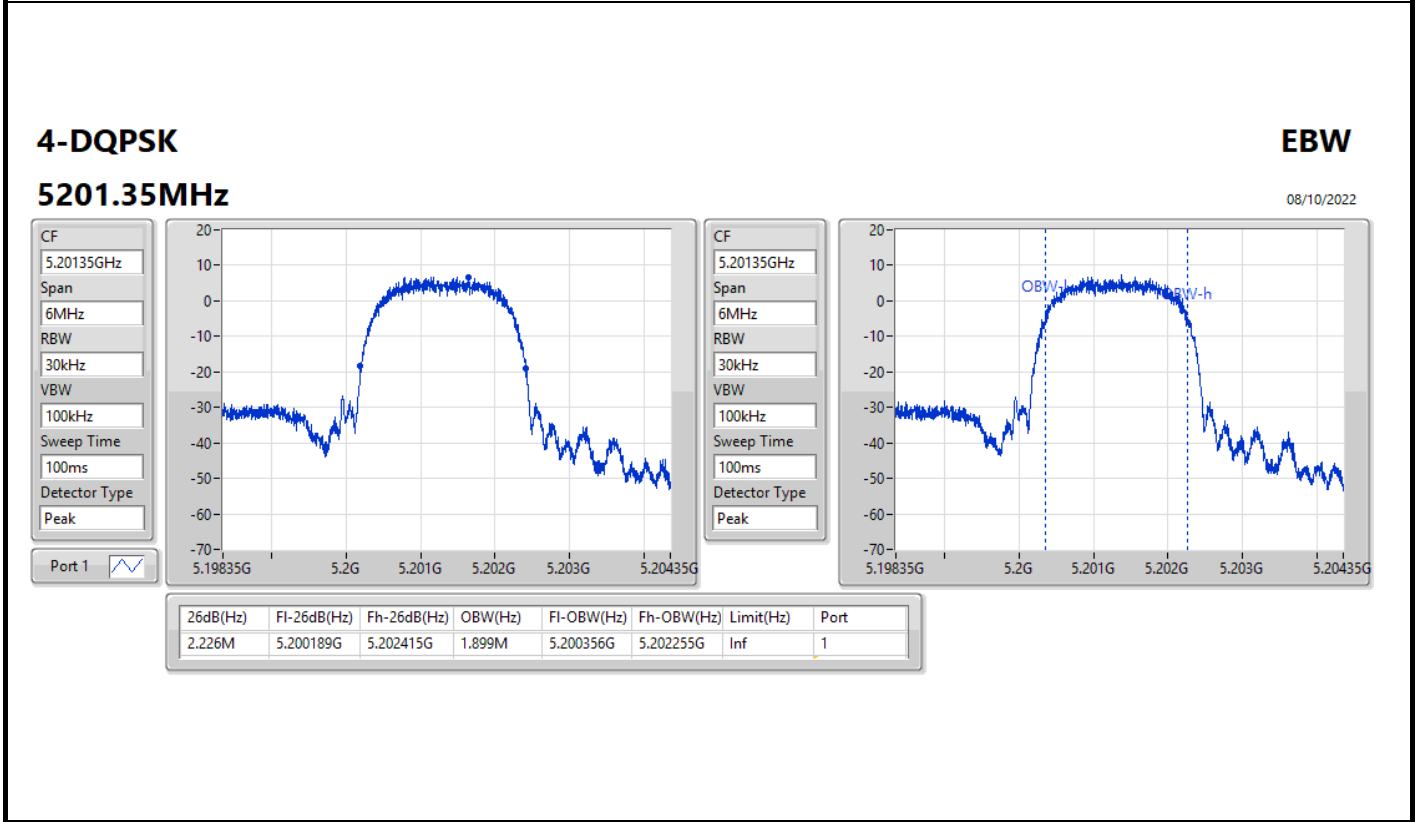
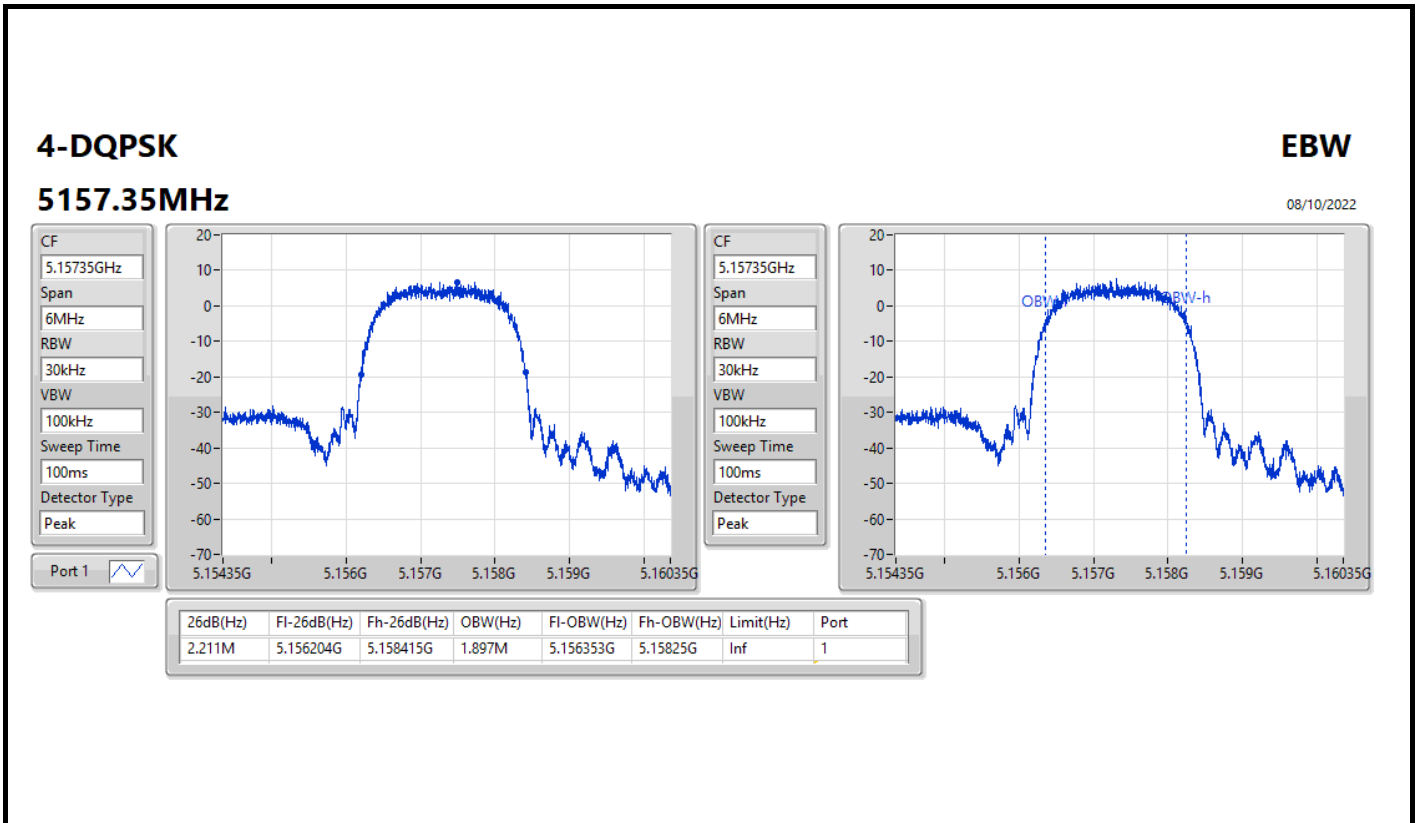
Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;  
Max-OBW = Maximum 99% occupied bandwidth;  
Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;  
Min-OBW = Minimum 99% occupied bandwidth

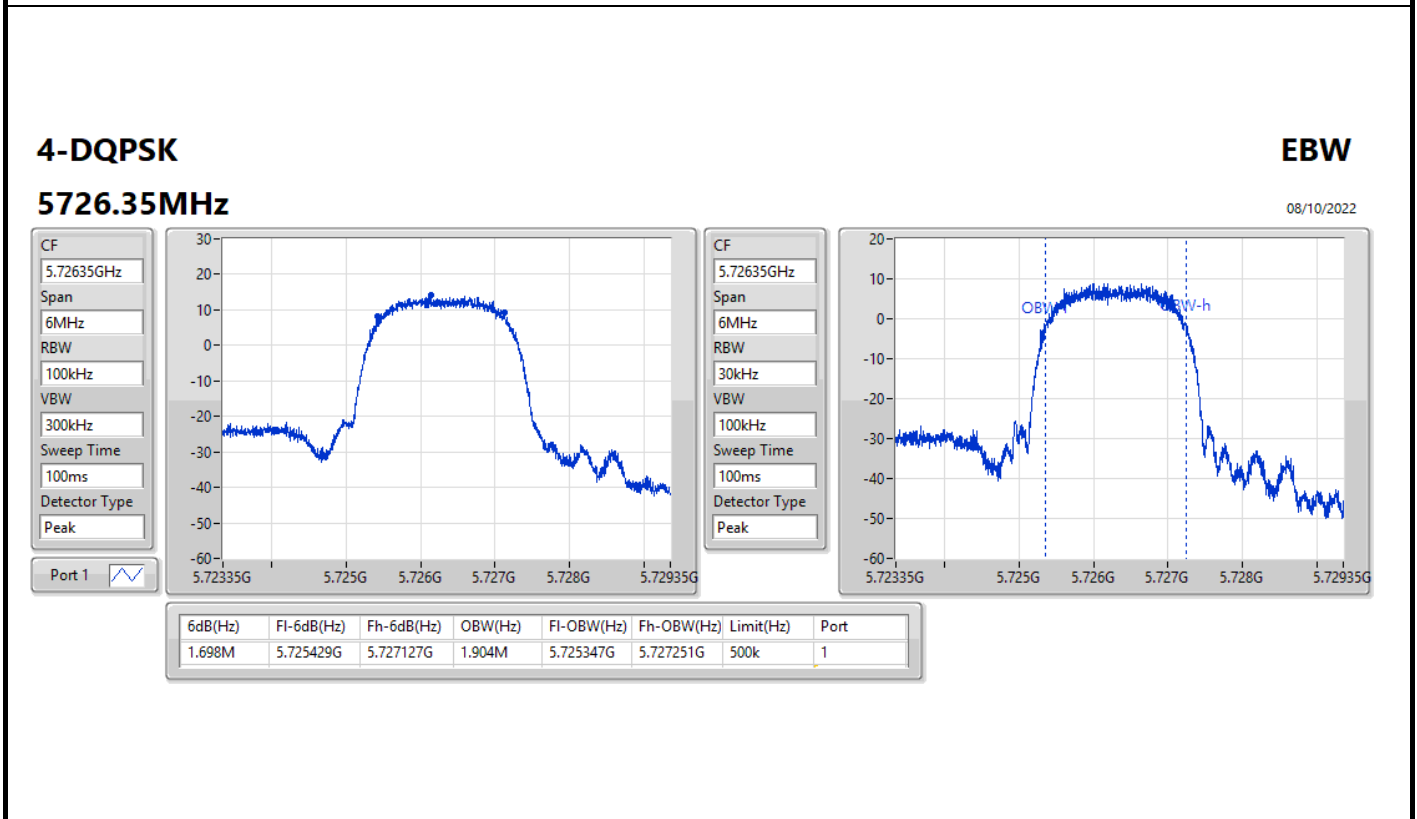
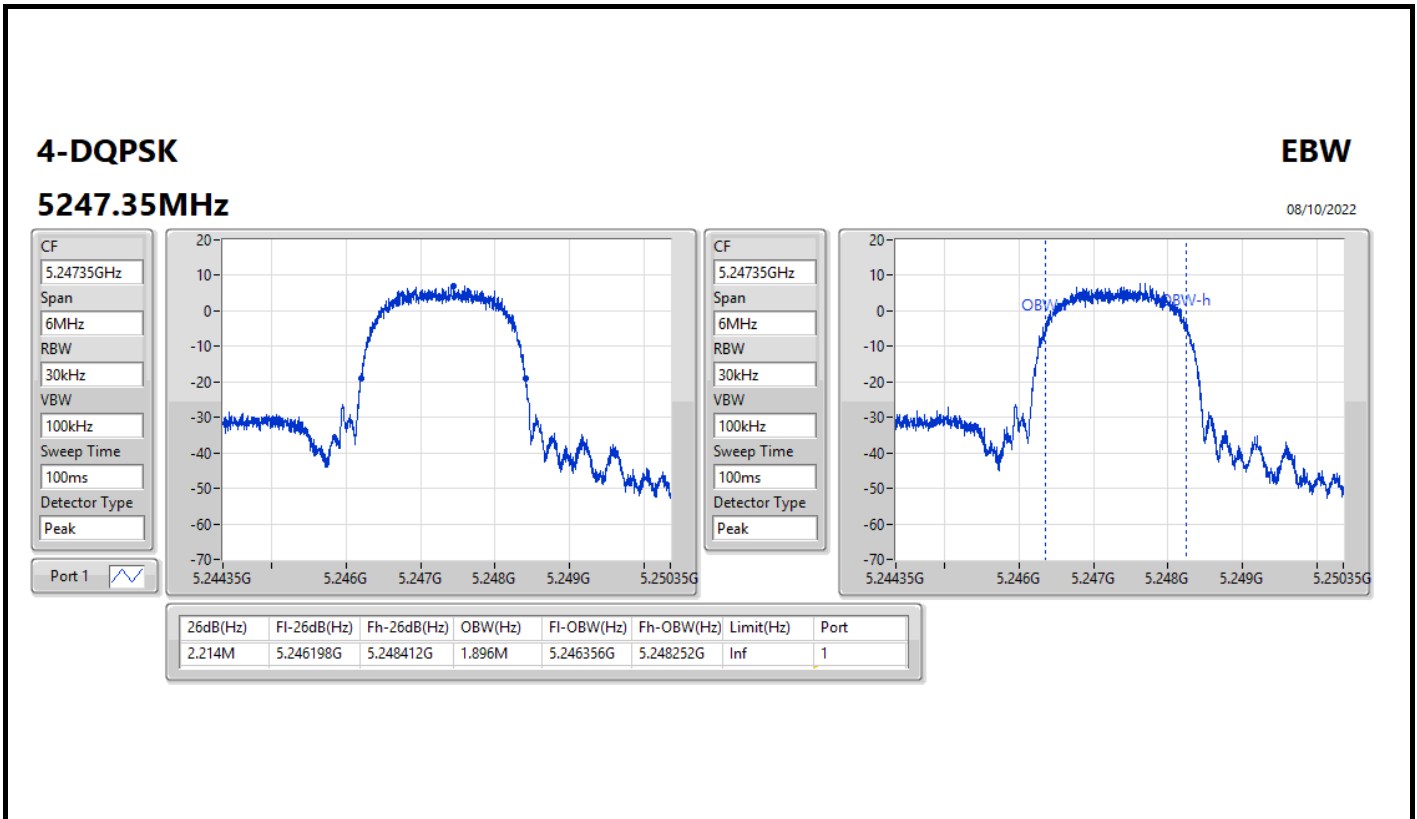


Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
4-DQPSK	-	-	-	-
5157.35MHz	Pass	Inf	2.211M	1.897M
5201.35MHz	Pass	Inf	2.226M	1.899M
5247.35MHz	Pass	Inf	2.214M	1.896M
5726.35MHz	Pass	500k	1.698M	1.904M
5788.35MHz	Pass	500k	1.677M	1.901M
5848.35MHz	Pass	500k	1.674M	1.896M
4-DQPSK	-	-	-	-
5160.35MHz	Pass	Inf	4.224M	3.82M
5202.35MHz	Pass	Inf	4.218M	3.815M
5246.35MHz	Pass	Inf	4.242M	3.818M
5727.35MHz	Pass	500k	3.588M	3.825M
5787.35MHz	Pass	500k	3.606M	3.817M
5847.35MHz	Pass	500k	3.612M	3.812M

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





4-DQPSK

EBW

5726.35MHz

08/10/2022

CF  
5.72635GHz

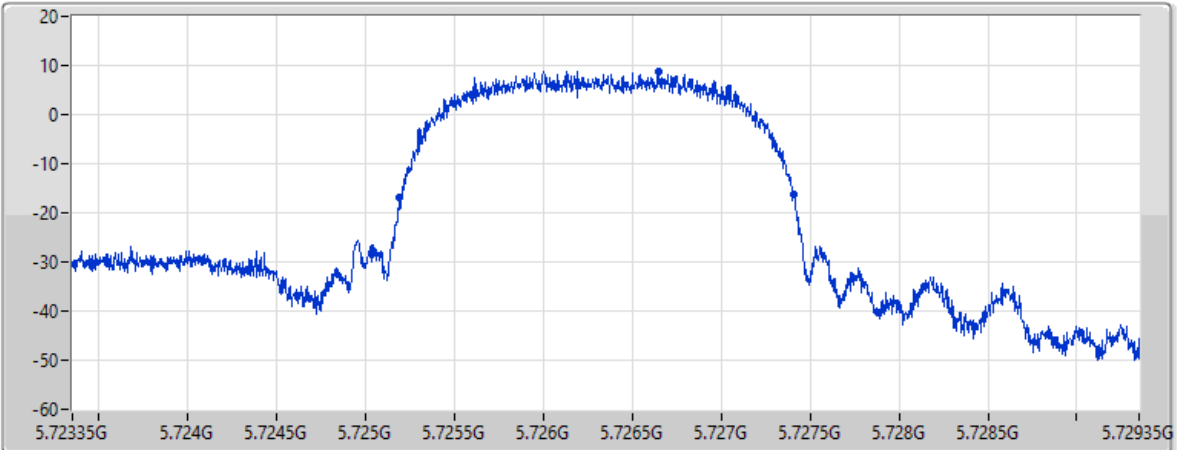
Span  
6MHz

RBW  
30kHz

VBW  
100kHz

Sweep Time  
100ms

Detector Type  
Peak



Port 1

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
2.217M	5.725192G	5.727409G	Inf	1

4-DQPSK

EBW

5788.35MHz

08/10/2022

CF  
5.78835GHz

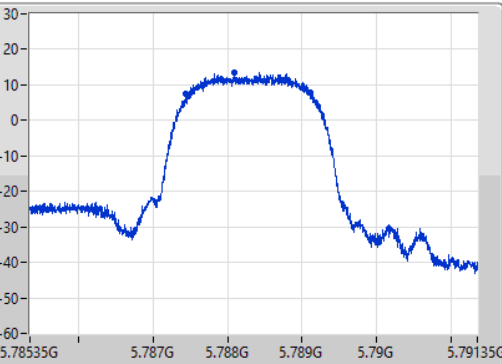
Span  
6MHz

RBW  
100kHz

VBW  
300kHz

Sweep Time  
100ms

Detector Type  
Peak



Port 1

CF  
5.78835GHz

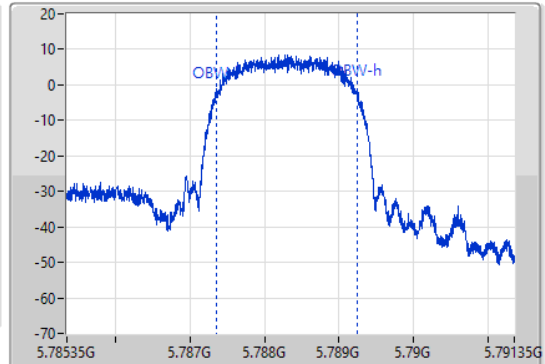
Span  
6MHz

RBW  
30kHz

VBW  
100kHz

Sweep Time  
100ms

Detector Type  
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.677M	5.787441G	5.789118G	1.901M	5.787347G	5.789248G	500k	1

4-DQPSK

EBW

5788.35MHz

08/10/2022

CF  
5.78835GHz


Span  
6MHz

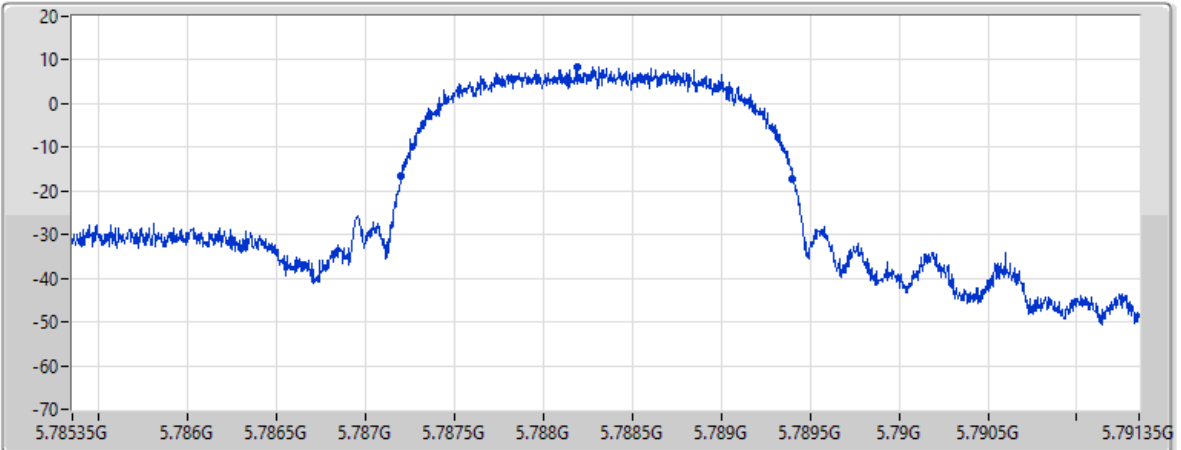
RBW  
30kHz

VBW  
100kHz

Sweep Time  
100ms

Detector Type  
Peak

Port 1 



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
2.205M	5.787198G	5.789403G	Inf	1

4-DQPSK

EBW

5848.35MHz

08/10/2022

CF  
5.84835GHz


Span  
6MHz

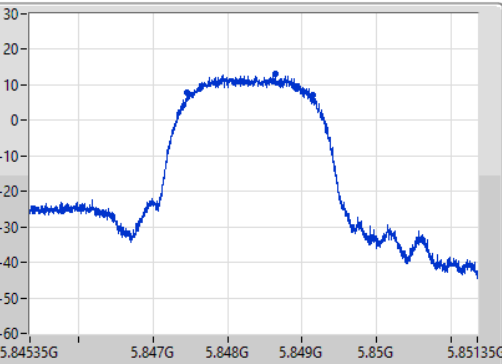
RBW  
100kHz

VBW  
300kHz

Sweep Time  
100ms

Detector Type  
Peak

Port 1 



CF  
5.84835GHz

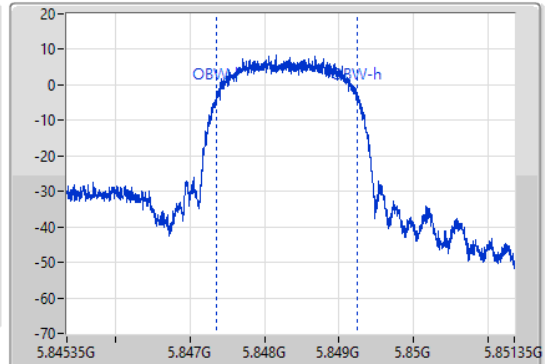
Span  
6MHz

RBW  
30kHz

VBW  
100kHz

Sweep Time  
100ms

Detector Type  
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.674M	5.847462G	5.849136G	1.896M	5.847354G	5.849249G	500k	1

4-DQPSK

EBW

5848.35MHz

08/10/2022

CF  
5.84835GHz

Span  
6MHz

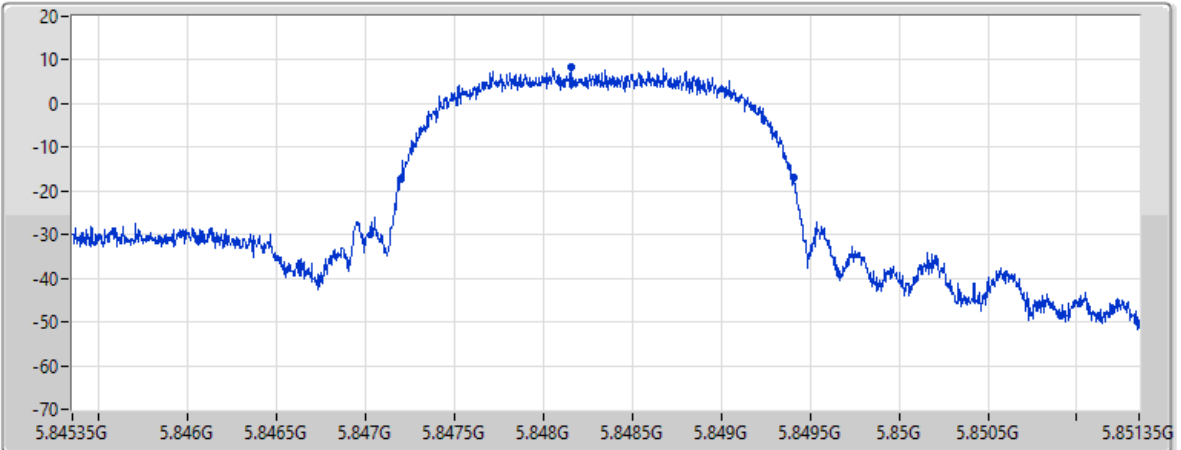
RBW  
30kHz

VBW  
100kHz

Sweep Time  
100ms

Detector Type  
Peak

Port 1 



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
2.211M	5.847198G	5.849409G	Inf	1

4-DQPSK

EBW

5160.35MHz

08/10/2022

CF  
5.16035GHz


Span  
12MHz

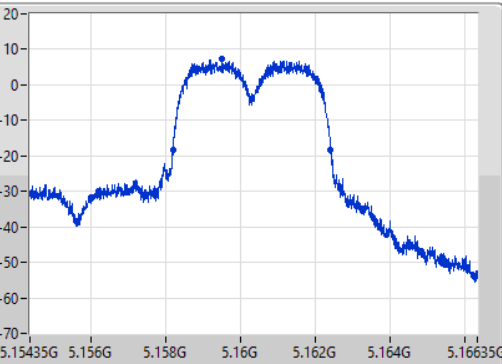
RBW  
50kHz

VBW  
200kHz

Sweep Time  
100ms

Detector Type  
Peak

Port 1 



CF  
5.16035GHz

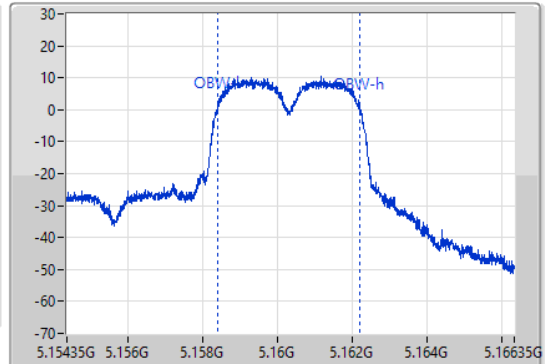
Span  
12MHz

RBW  
100kHz

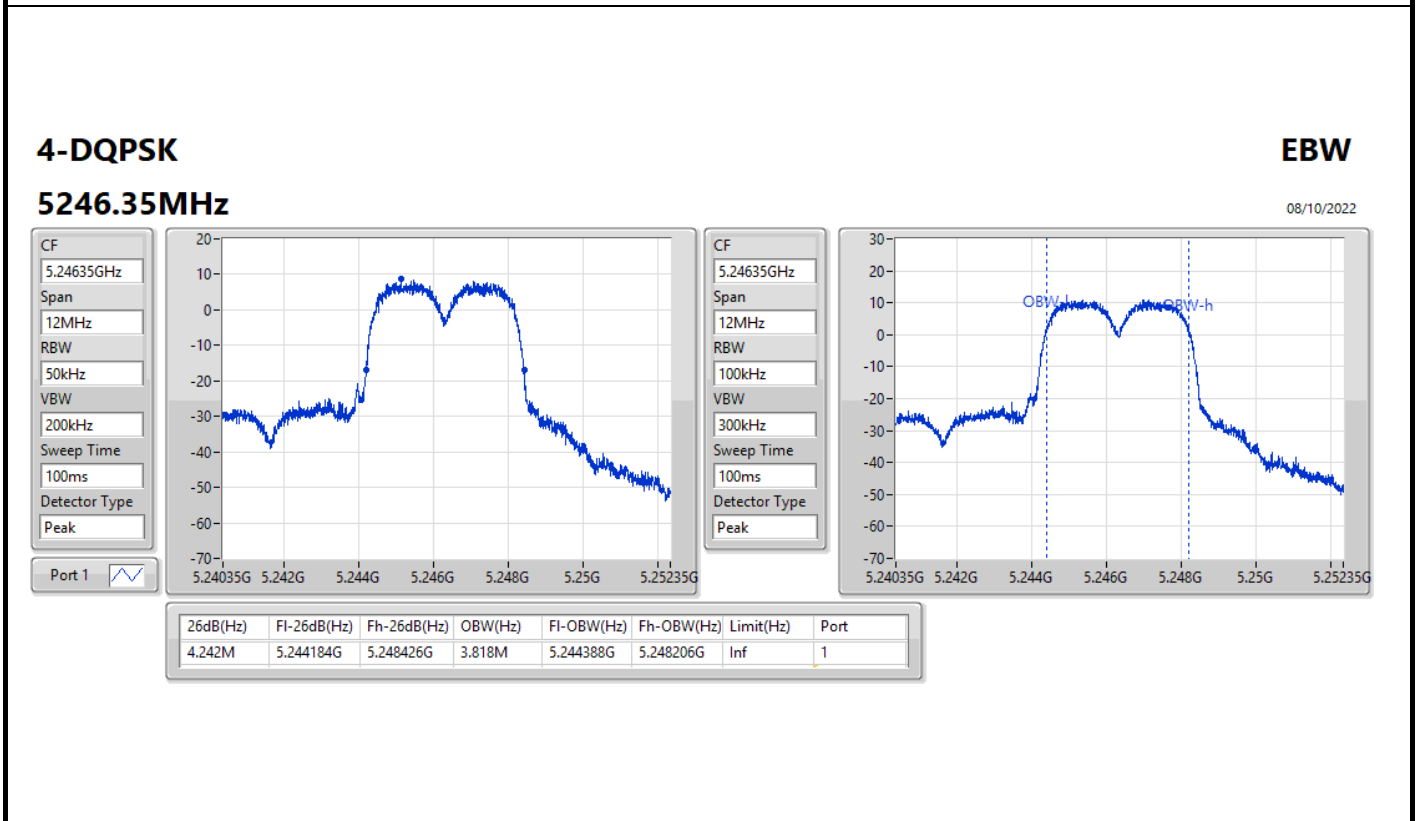
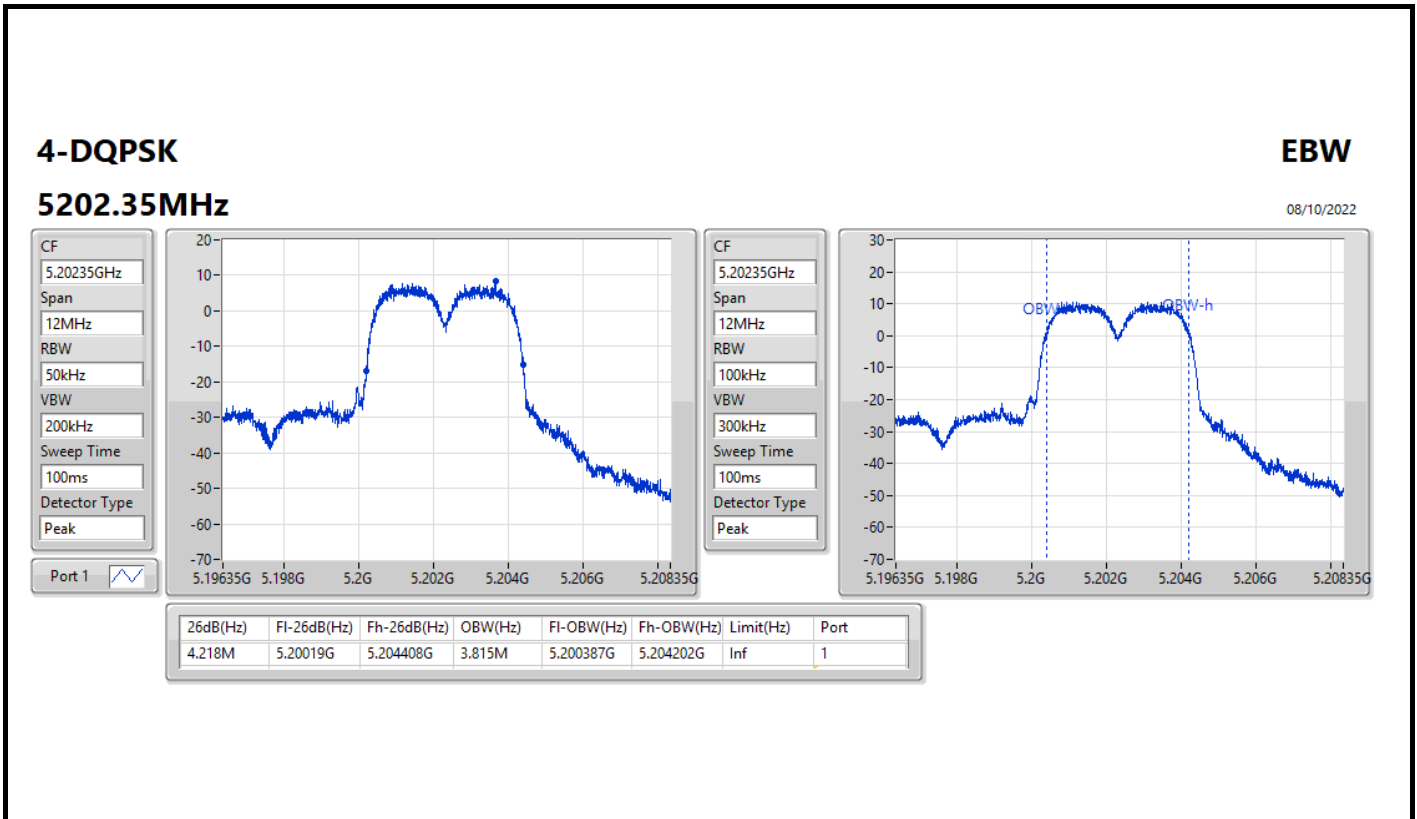
VBW  
300kHz

Sweep Time  
100ms

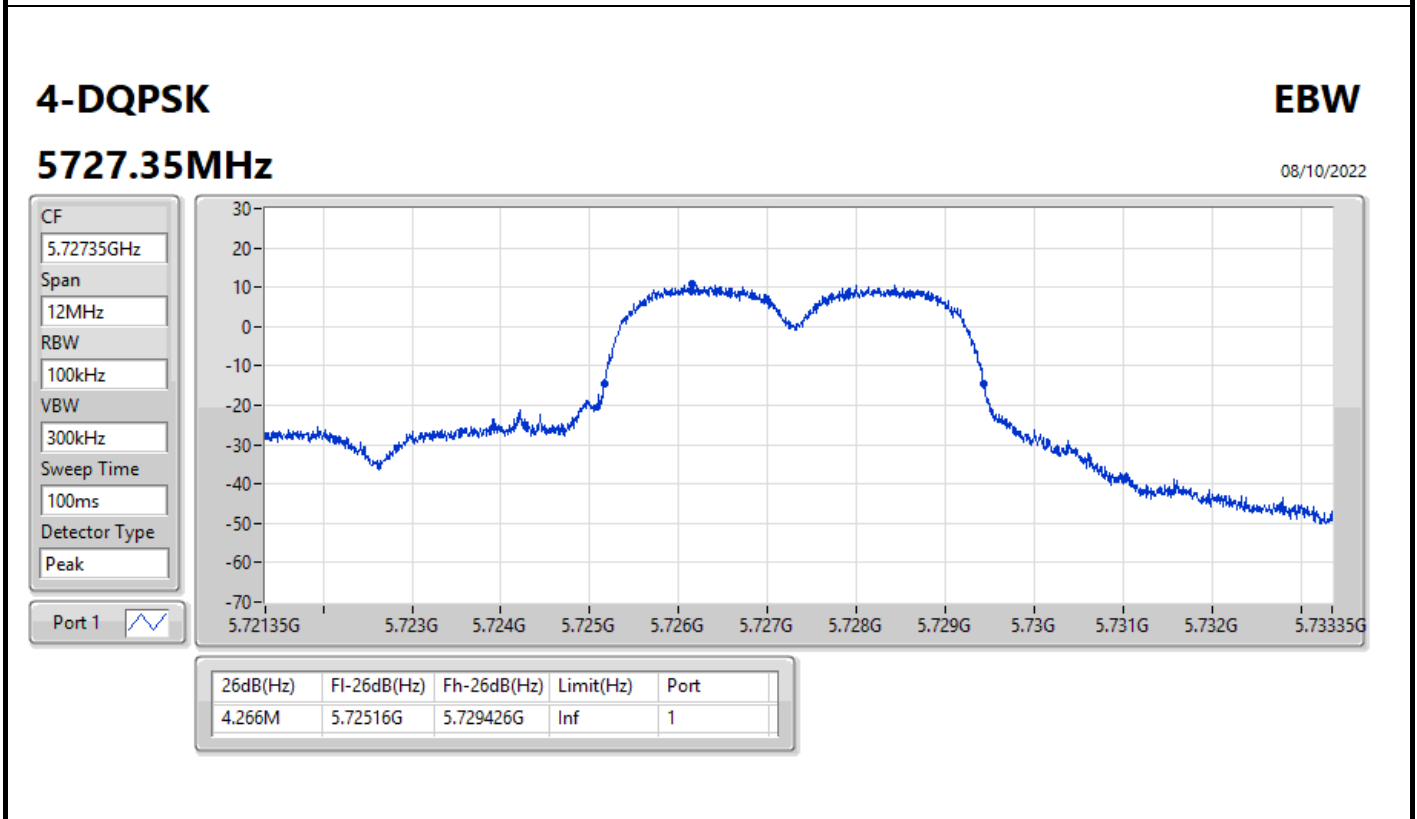
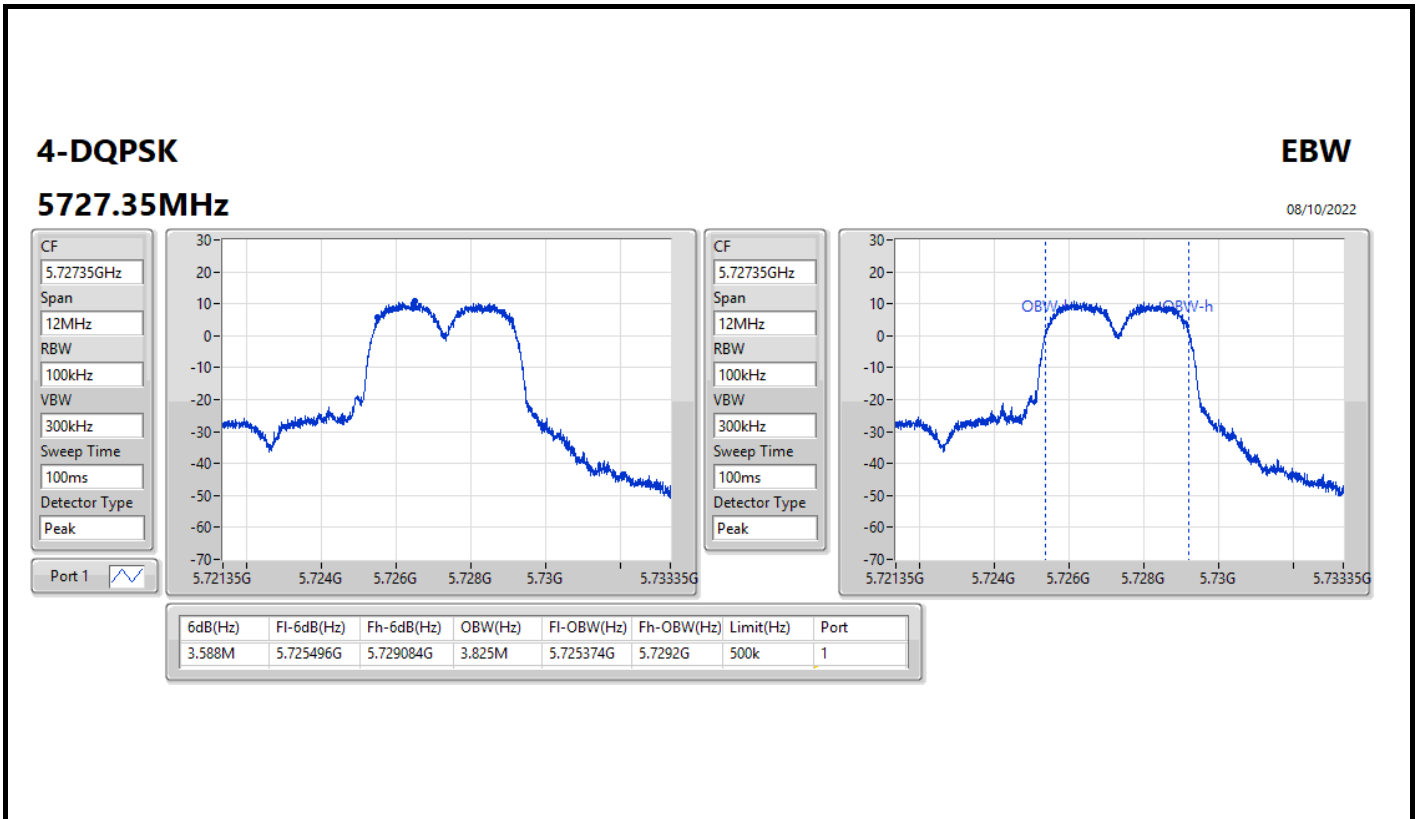
Detector Type  
Peak

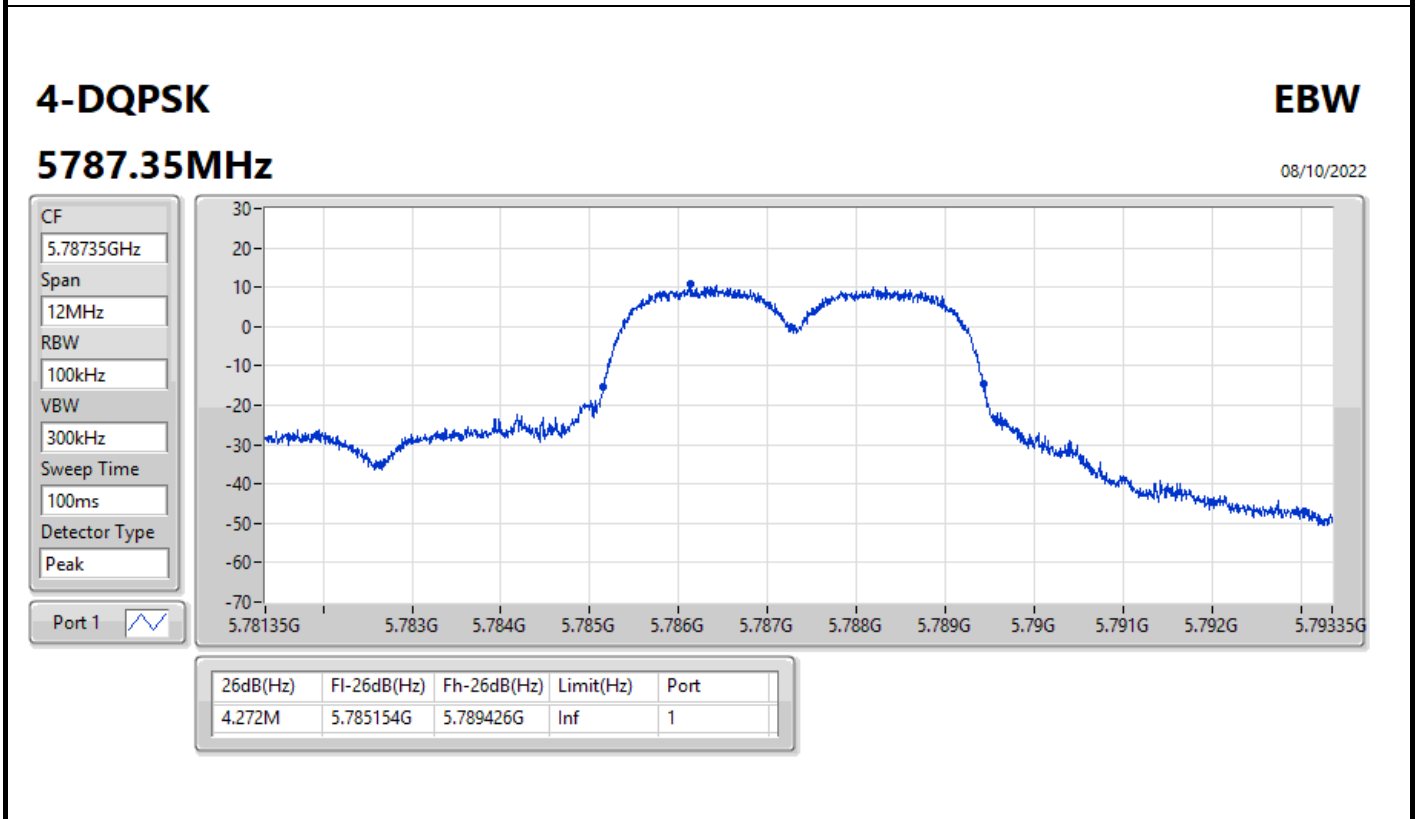
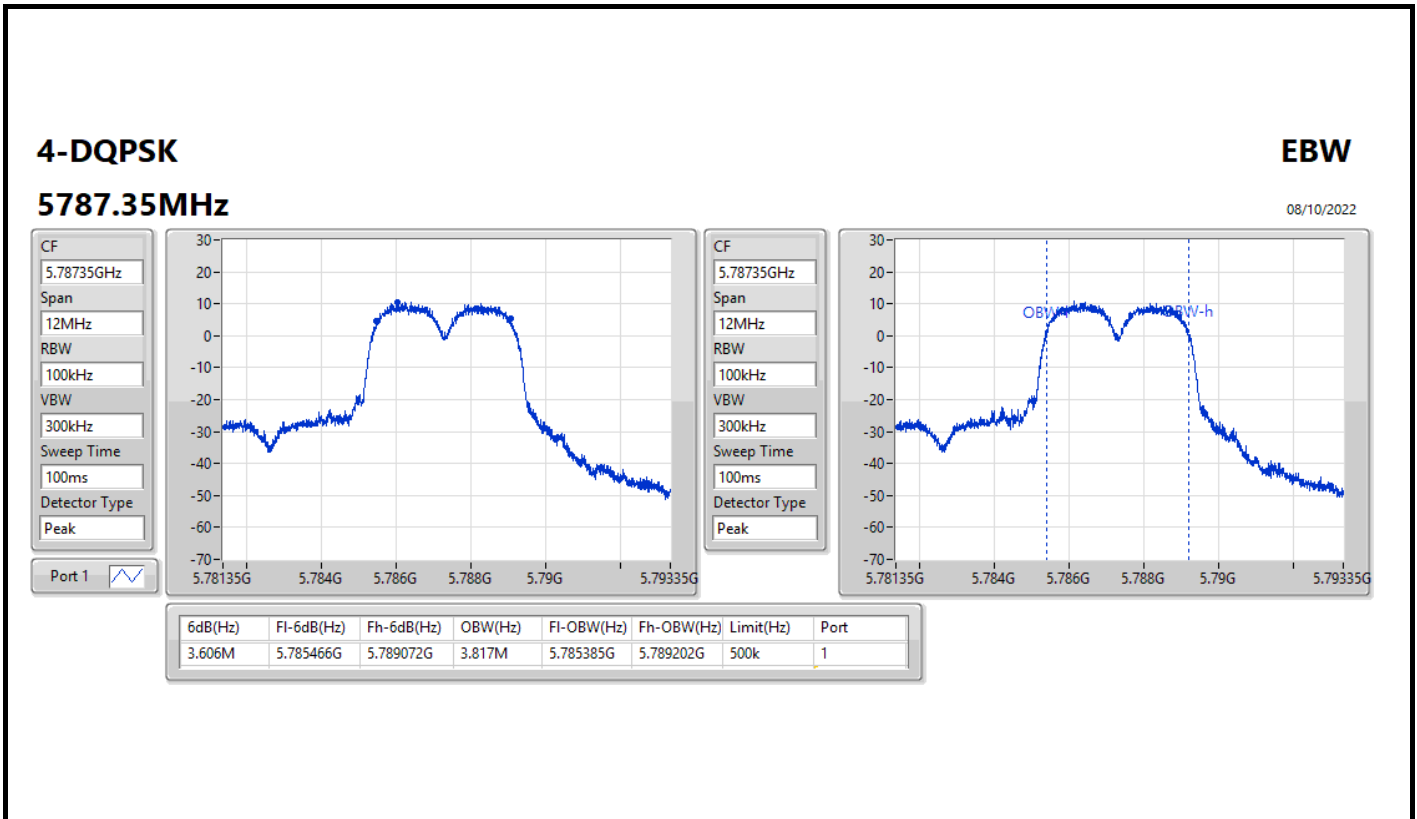


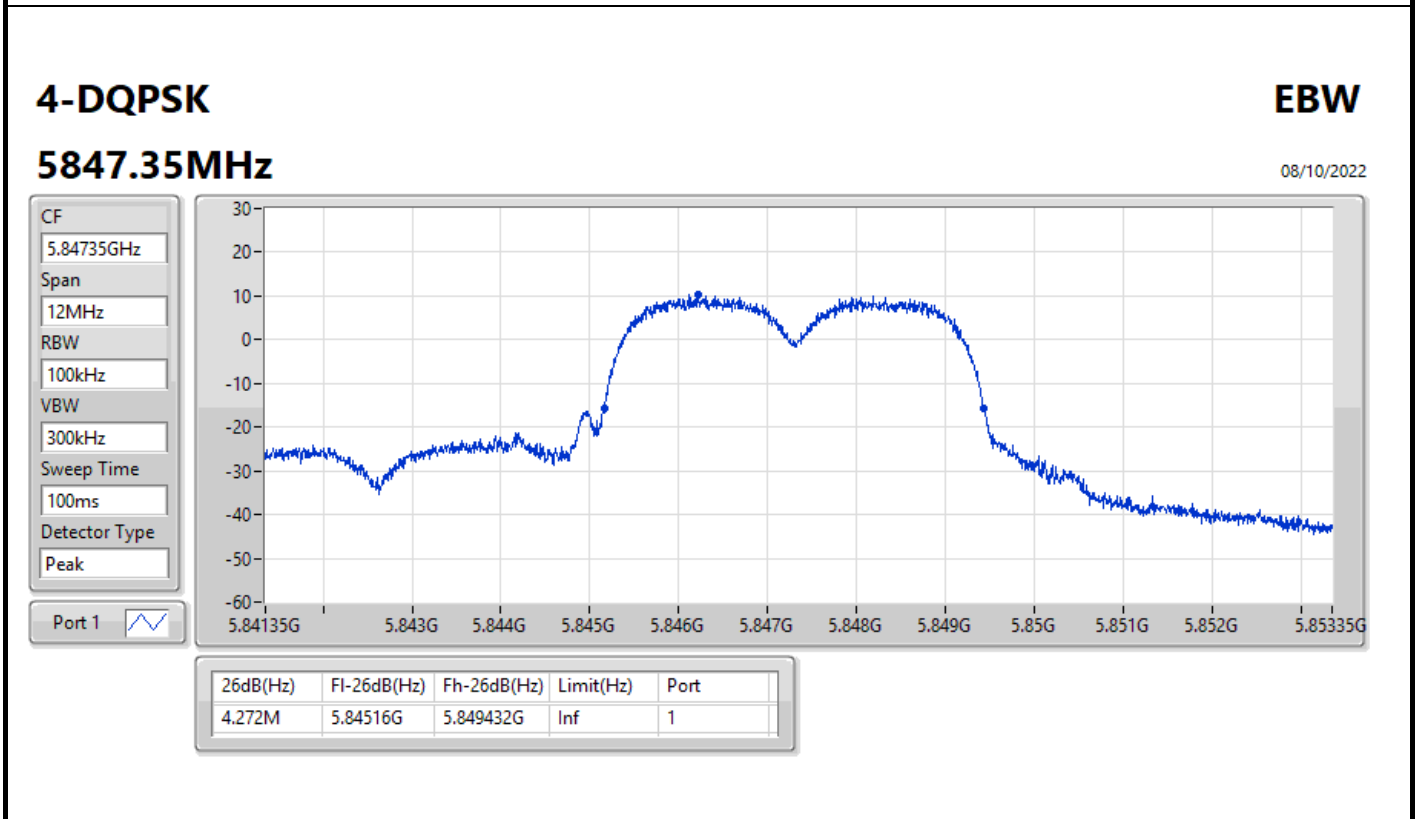
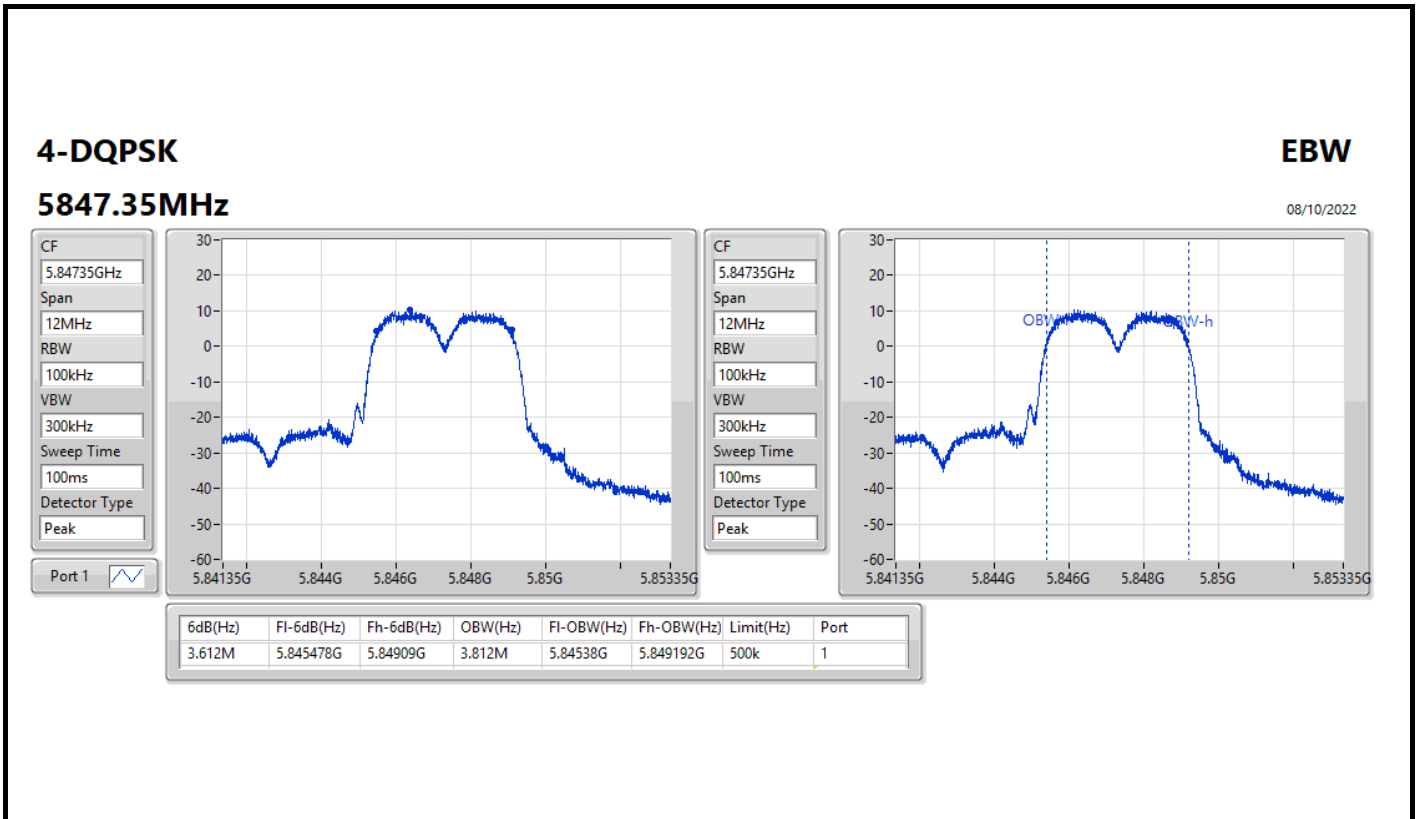
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
4.224M	5.15819G	5.162414G	3.82M	5.158385G	5.162206G	Inf	1













Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.85-5.895GHz	-	-	-	-	-
4-DQPSK	1.644M	1.901M	1M90G7D	1.617M	1.898M
4-DQPSK	3.612M	3.828M	3M83G7D	3.57M	3.815M

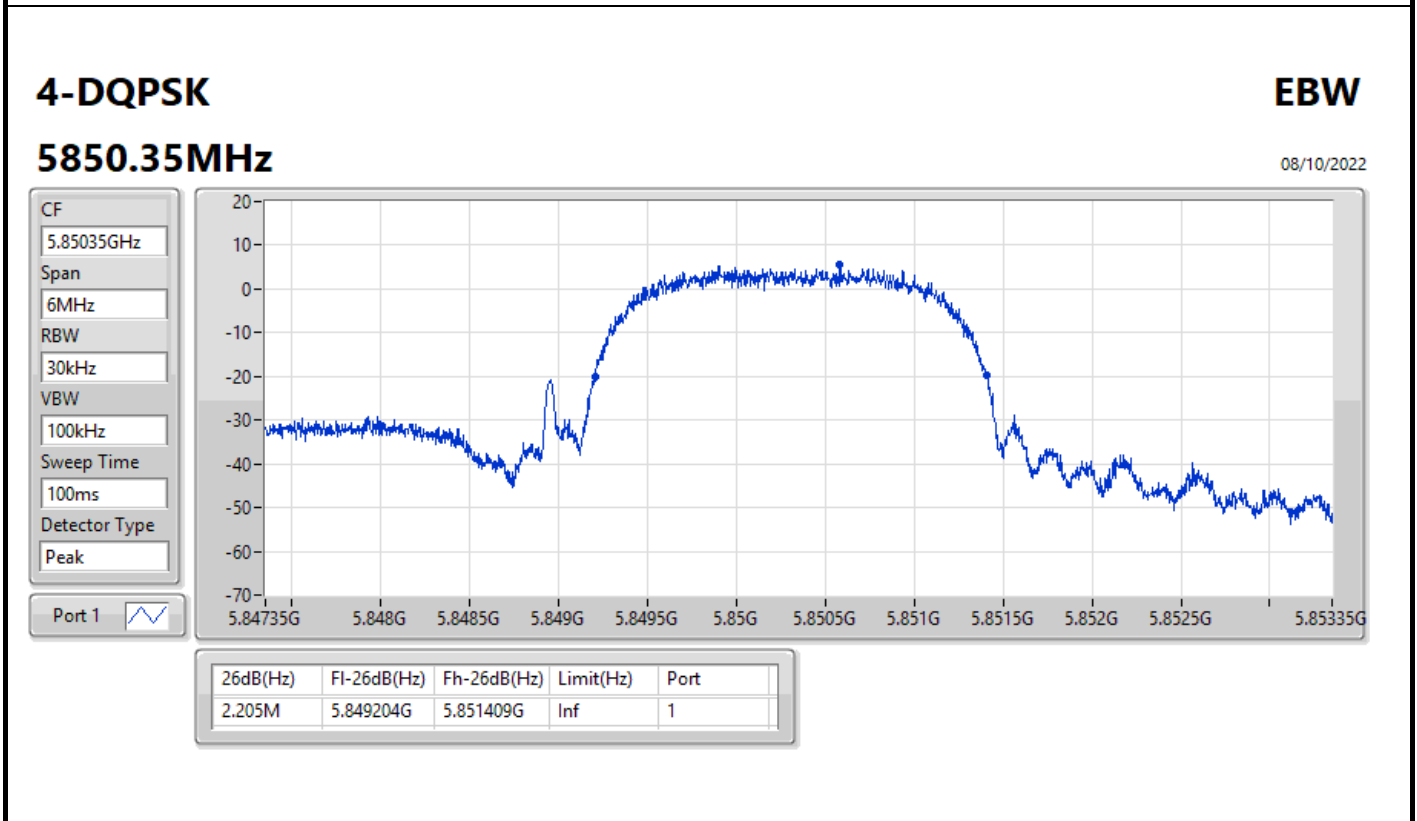
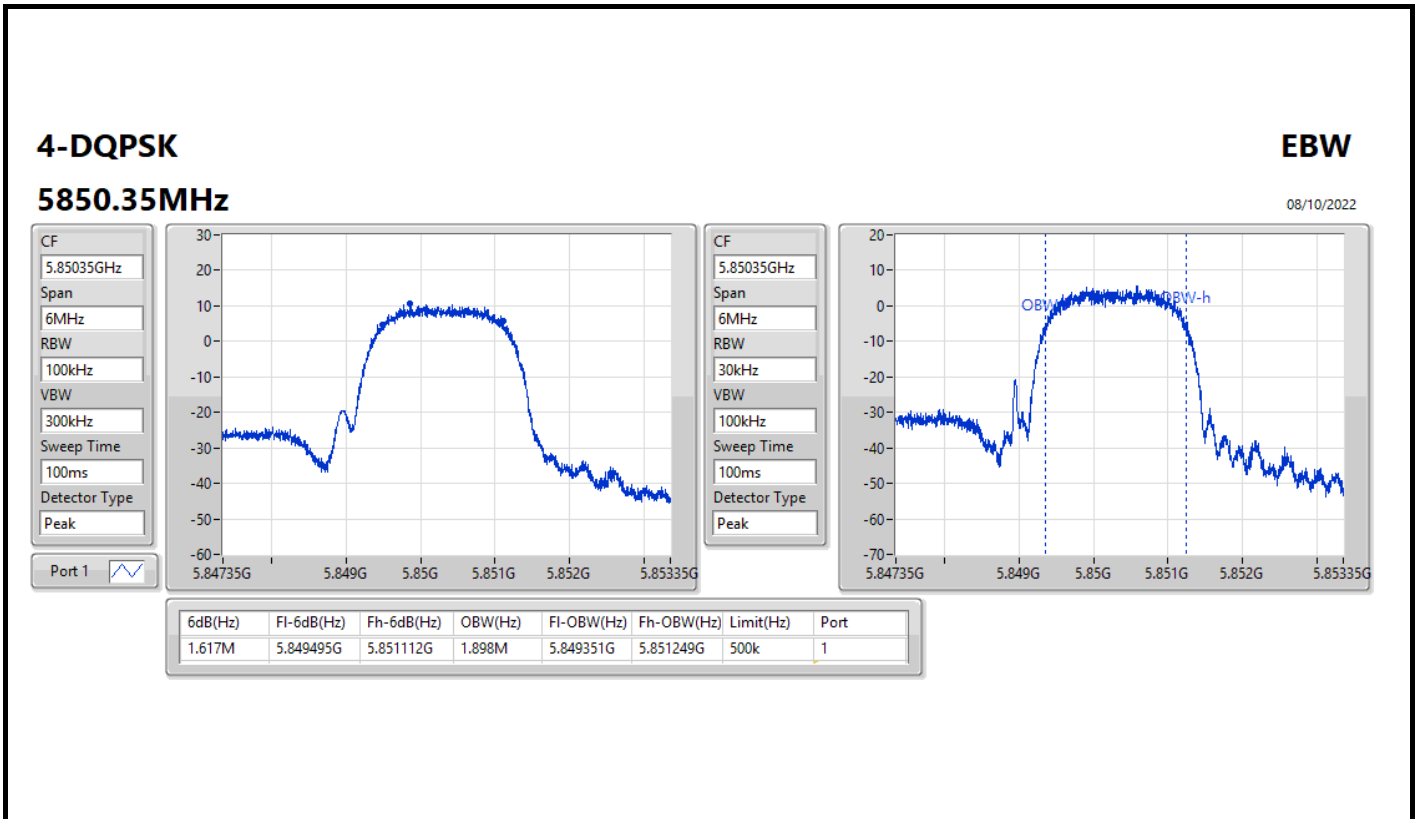
Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;  
Max-OBW = Maximum 99% occupied bandwidth;  
Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;  
Min-OBW = Minimum 99% occupied bandwidth

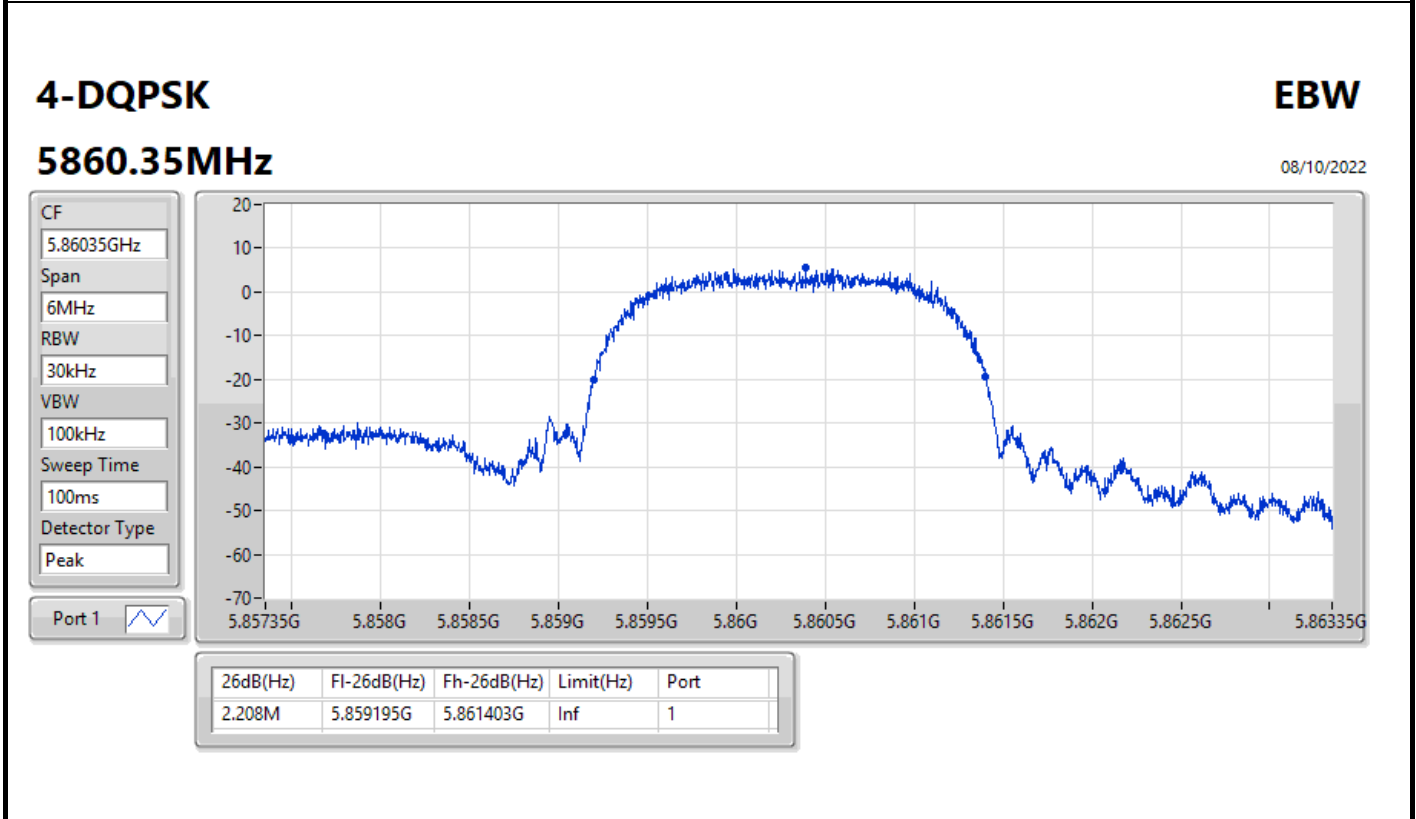
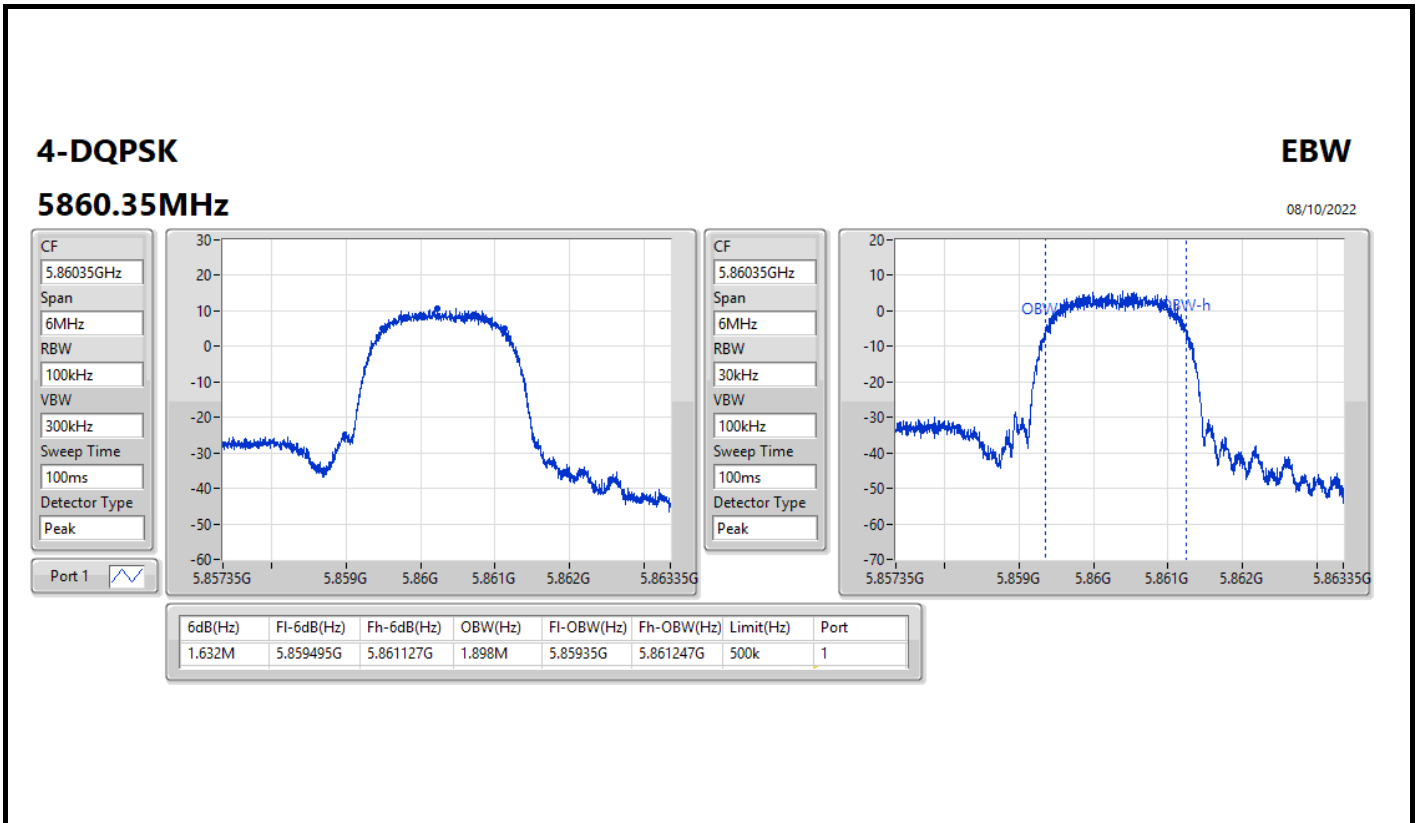


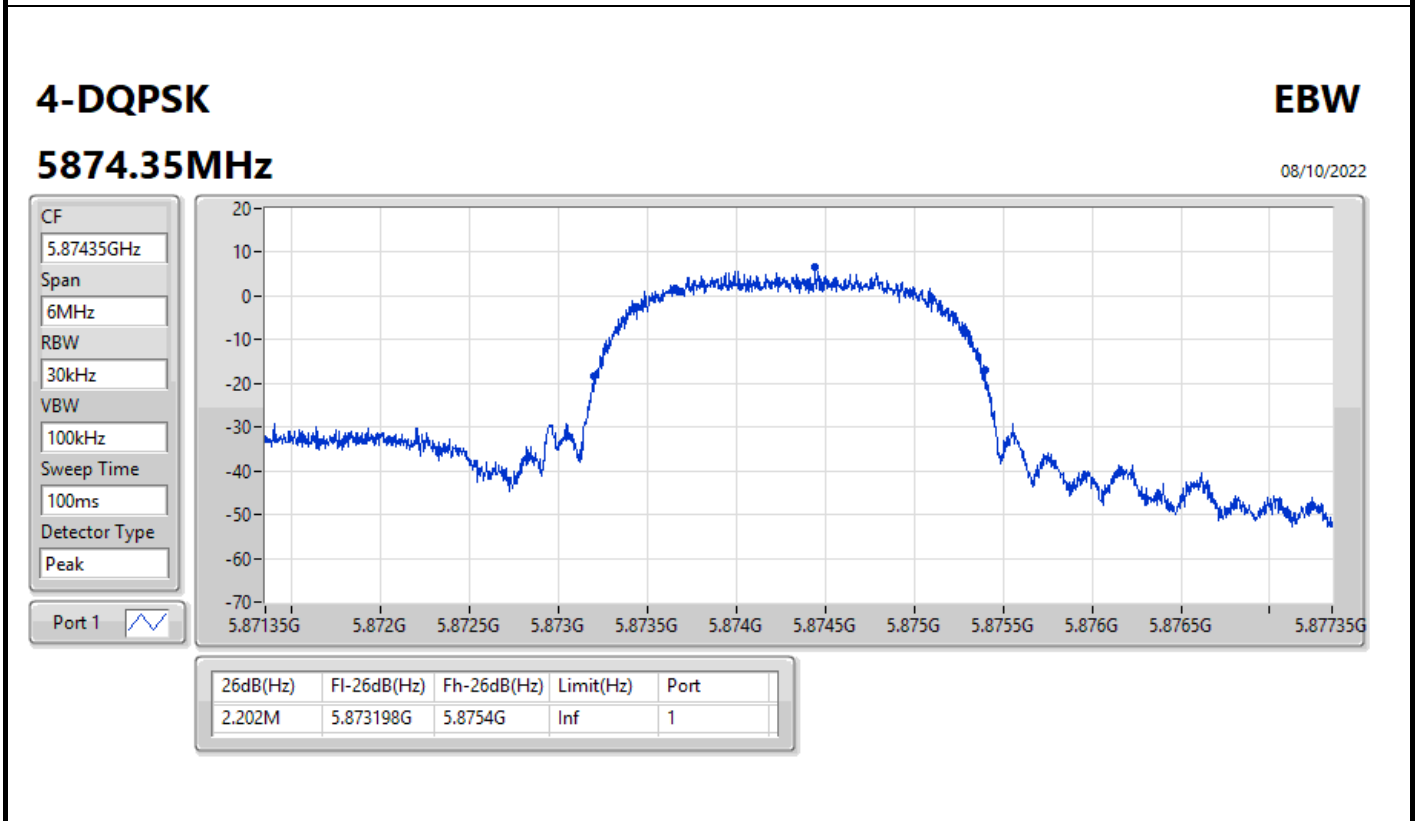
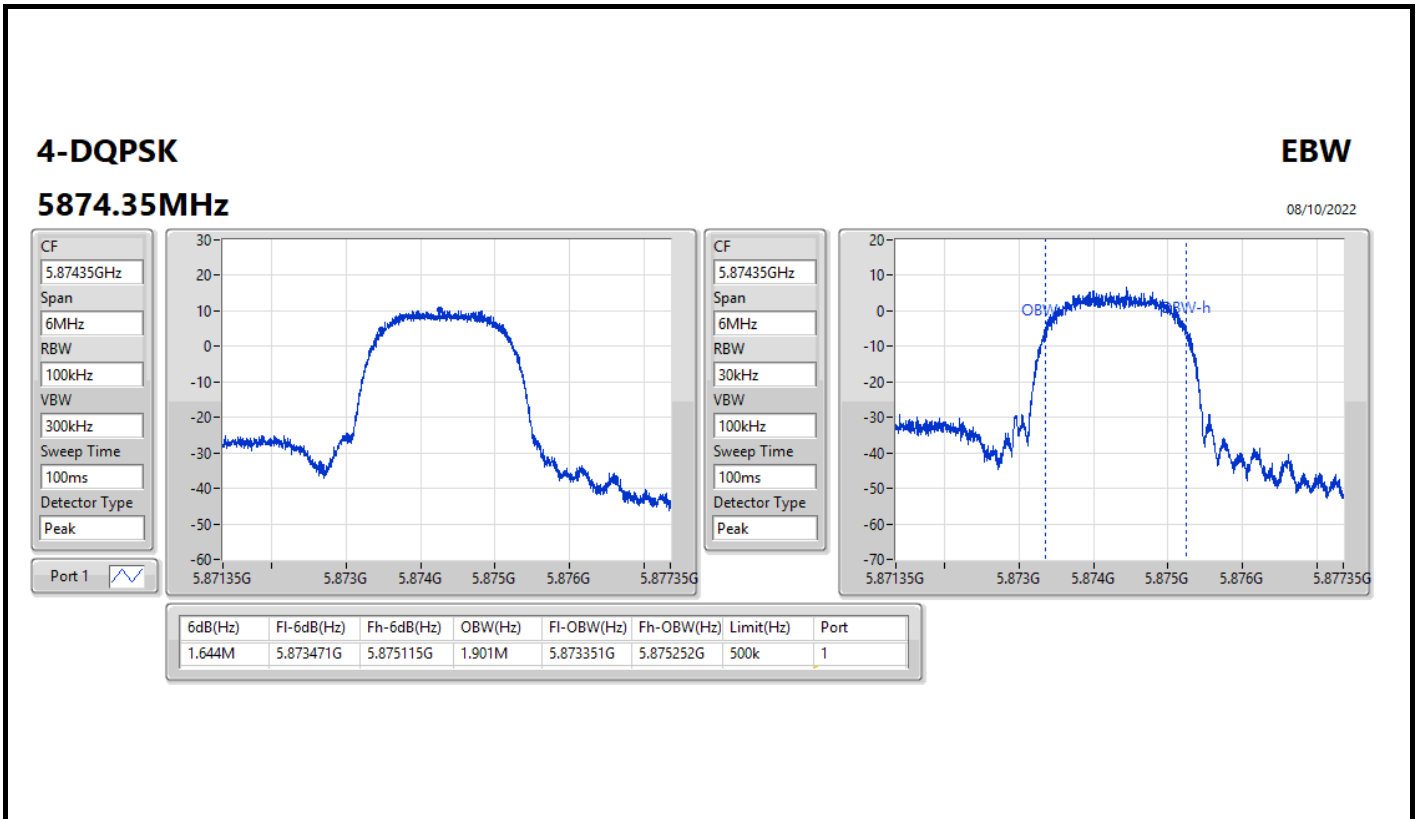
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
4-DQPSK	-	-	-	-
5850.35MHz	Pass	500k	1.617M	1.898M
5860.35MHz	Pass	500k	1.632M	1.898M
5874.35MHz	Pass	500k	1.644M	1.901M
4-DQPSK	-	-	-	-
5849.35MHz	Pass	500k	3.57M	3.816M
5861.35MHz	Pass	500k	3.612M	3.828M
5875.35MHz	Pass	500k	3.606M	3.815M

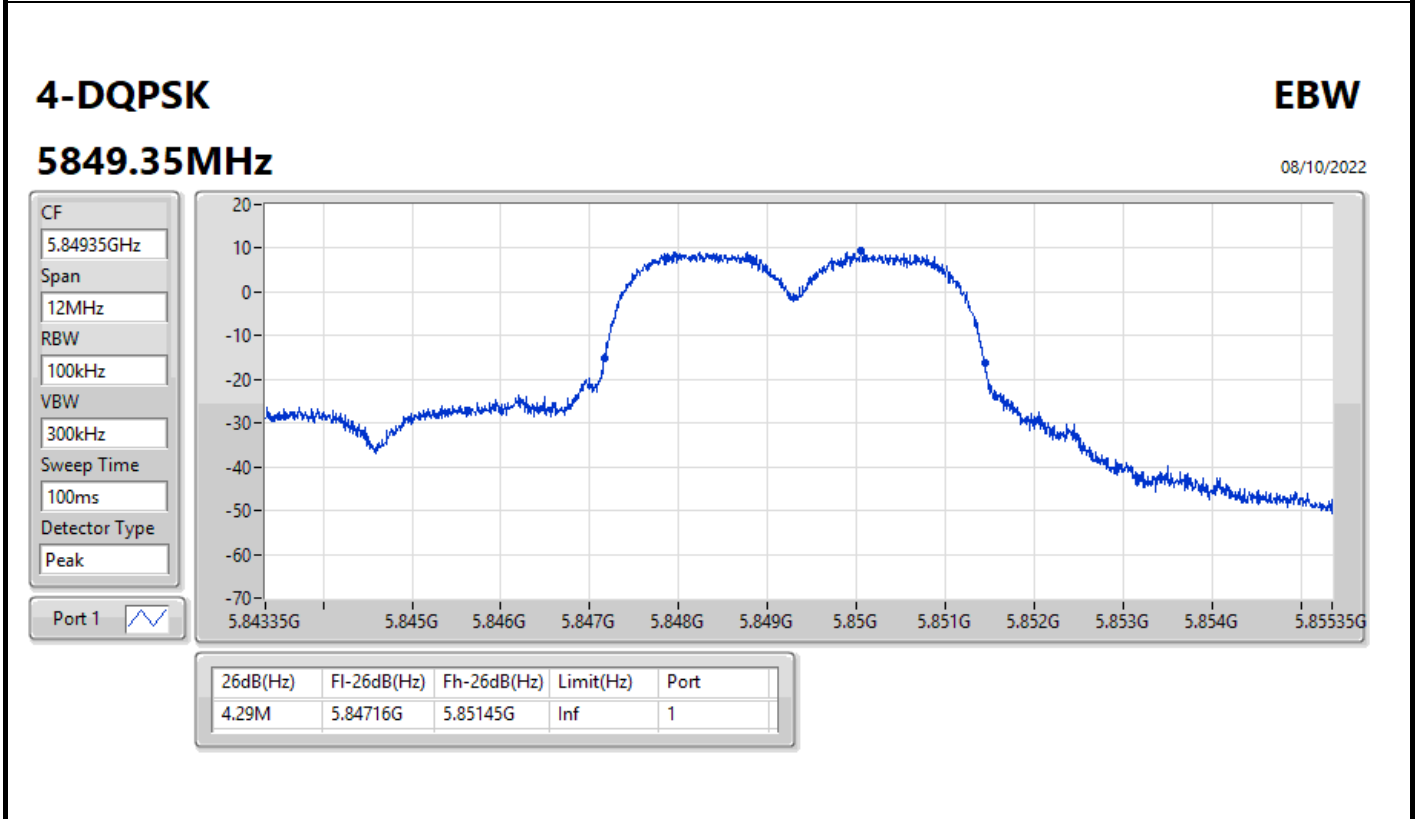
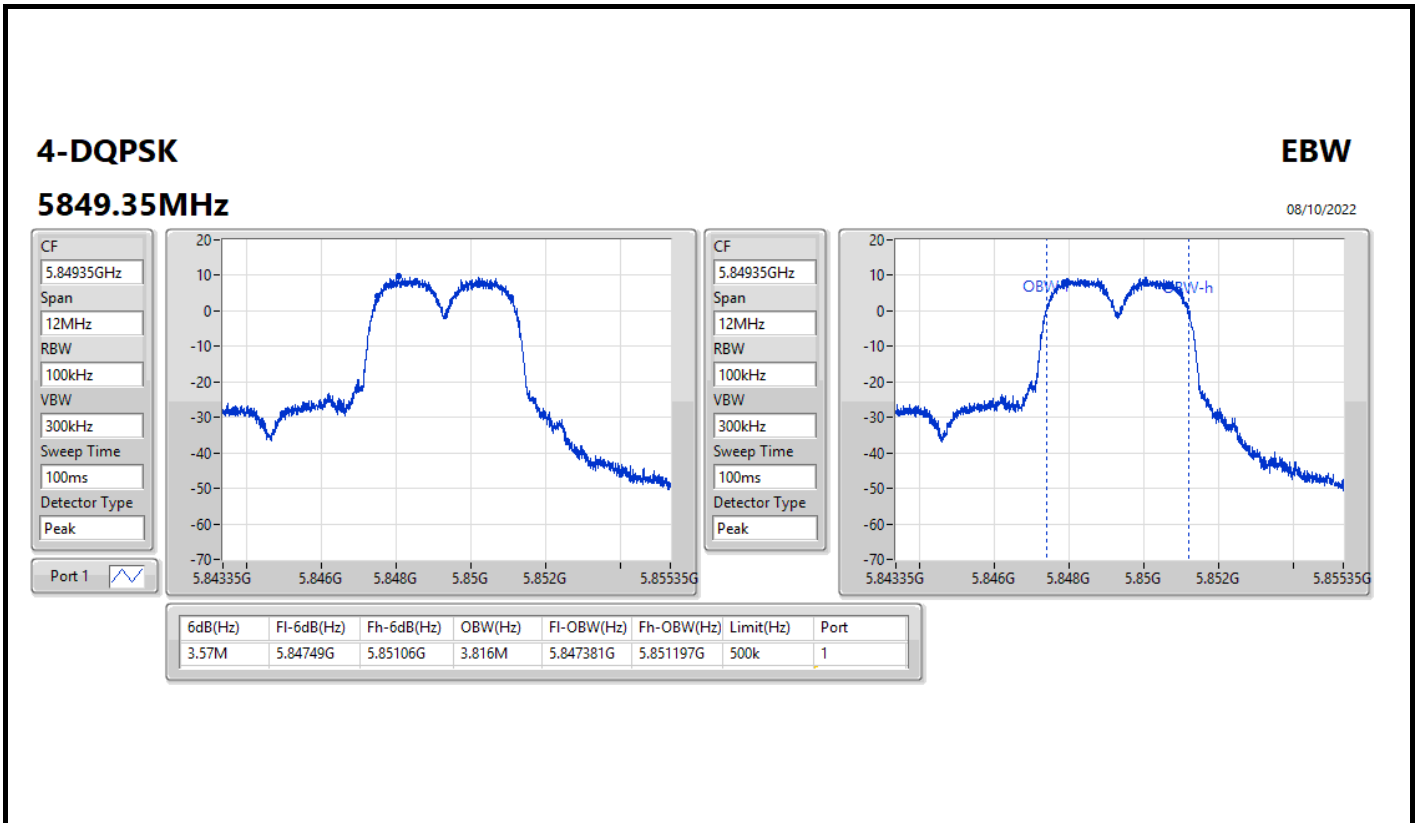
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band  
Port X-OBW = Port X 99% occupied bandwidth

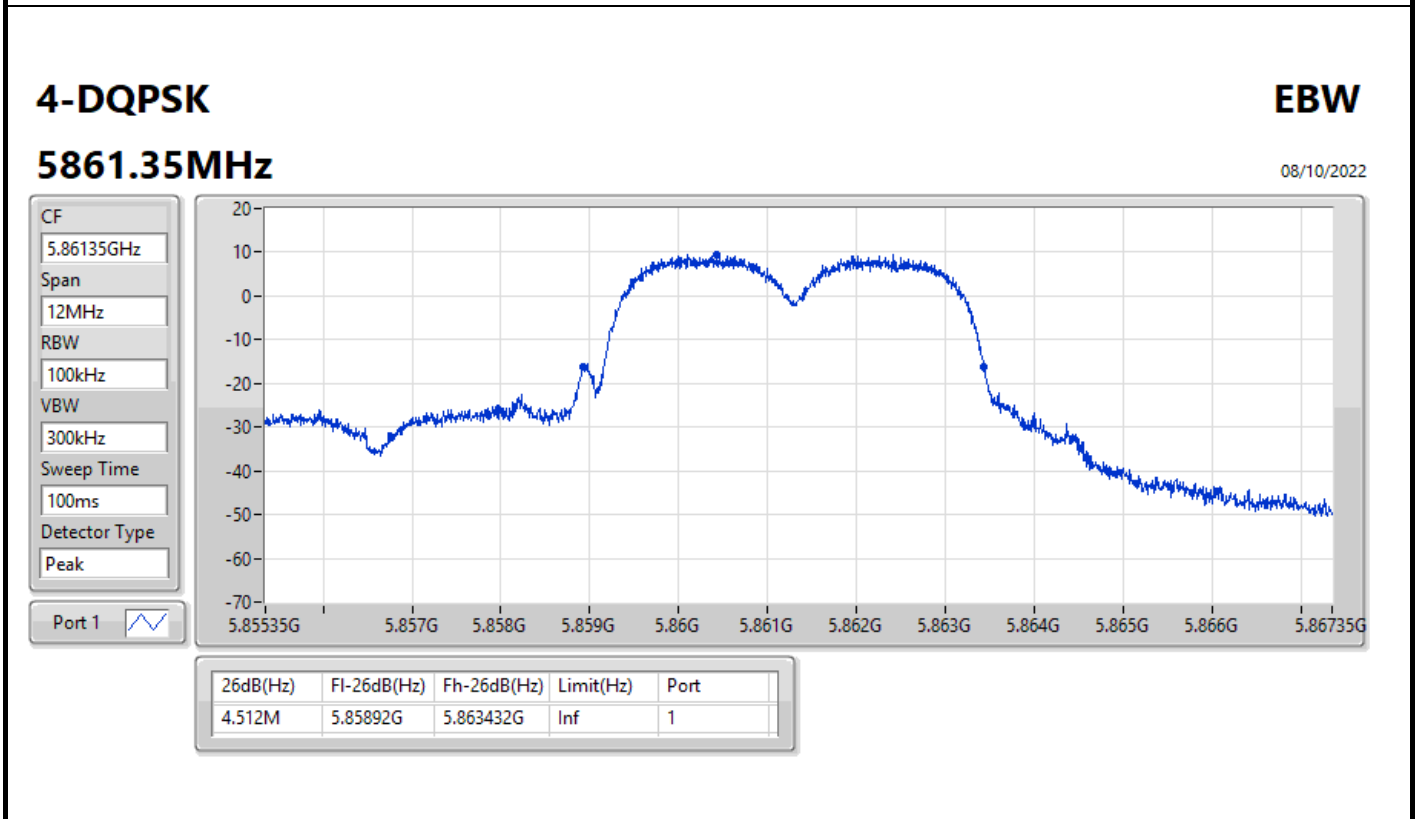
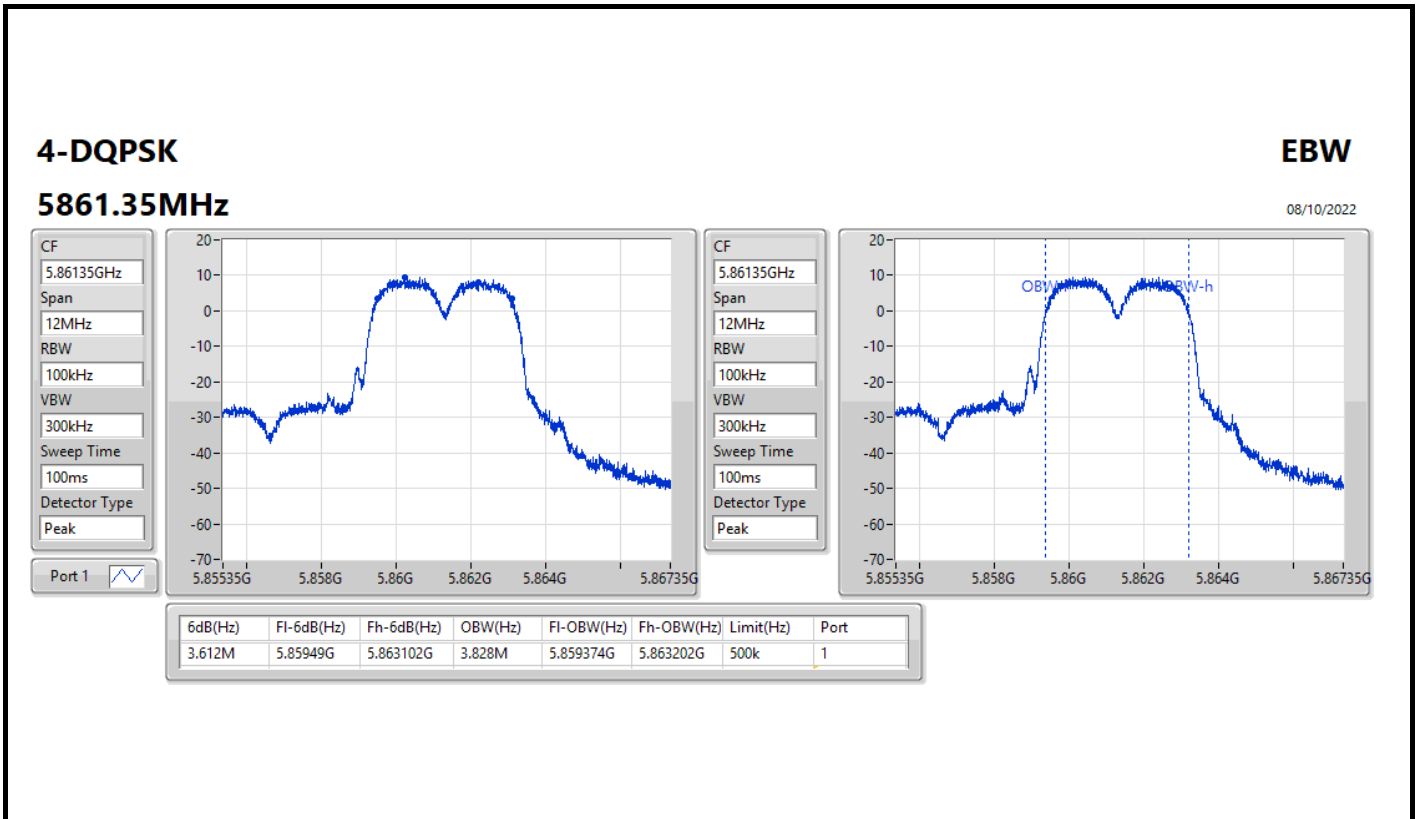


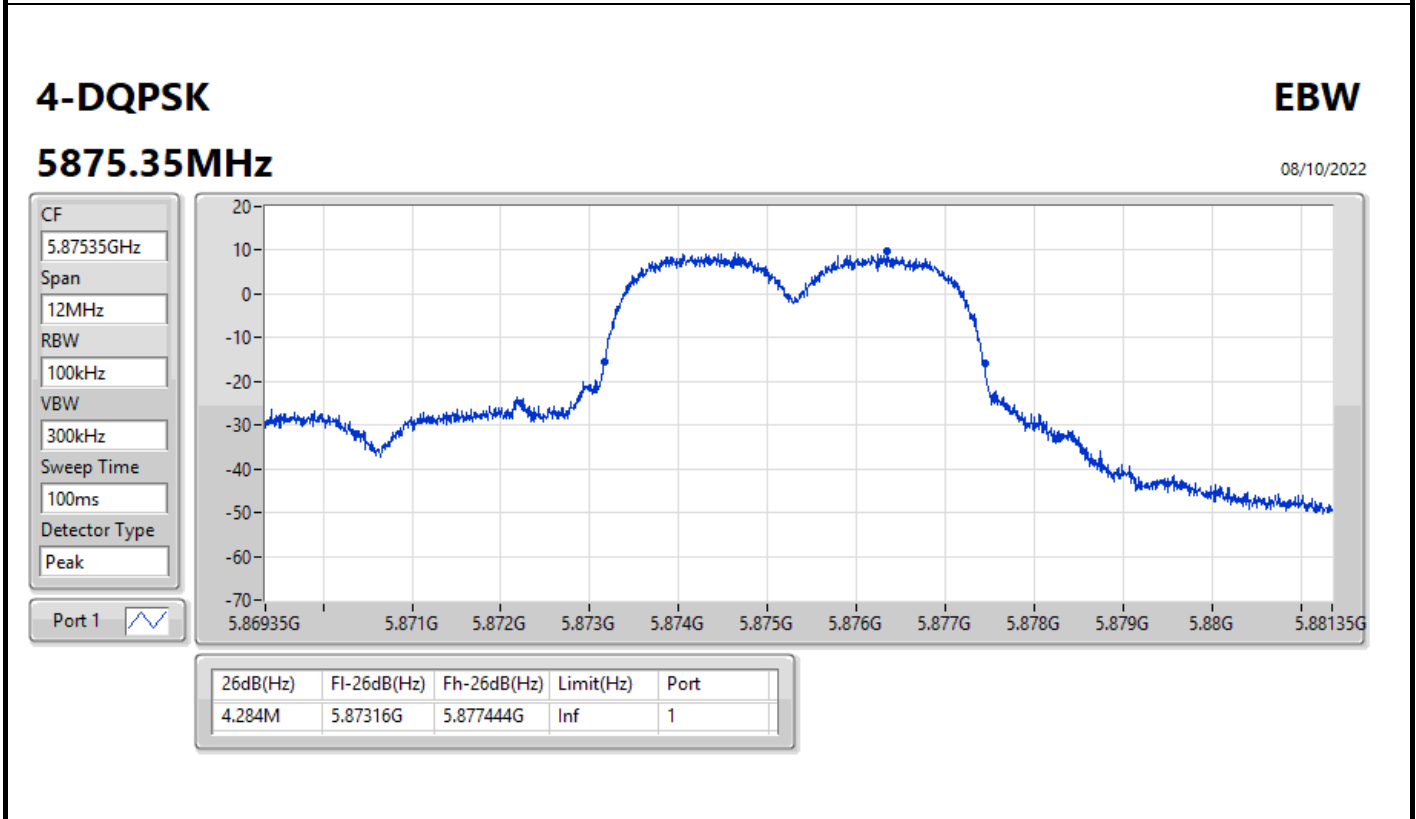
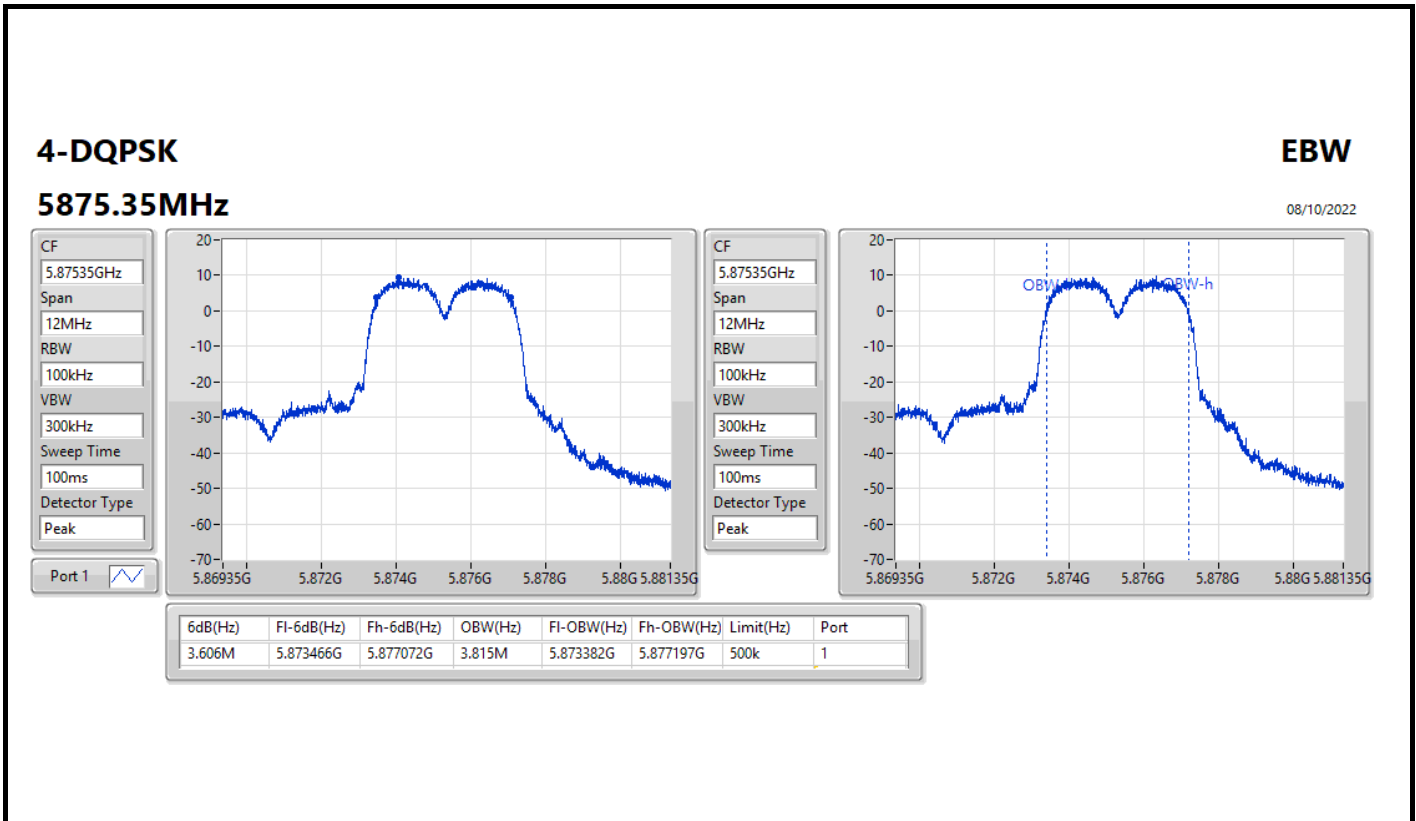














Summary

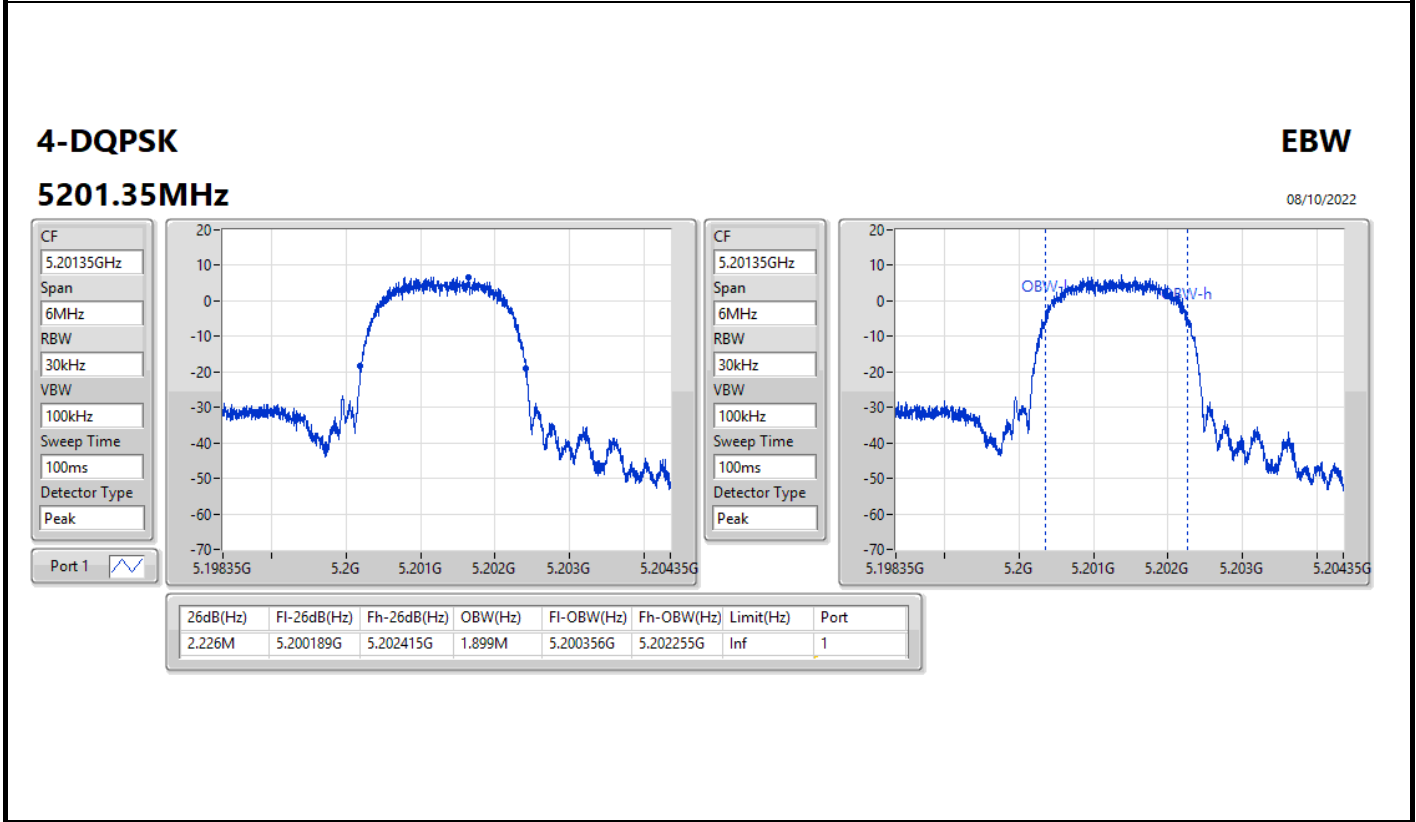
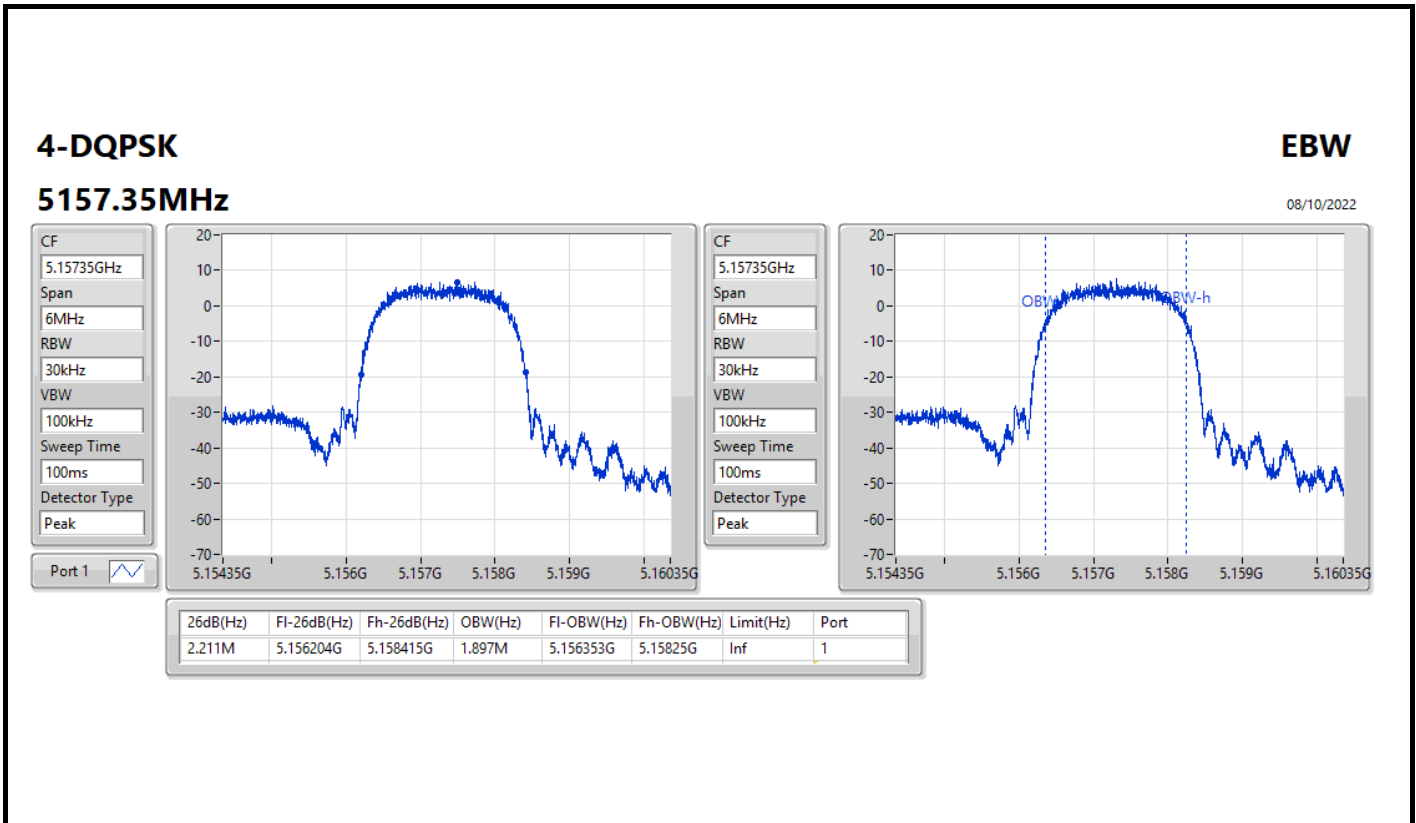
Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
4-DQPSK	2.226M	1.899M	1M90G7D	2.211M	1.896M
4-DQPSK	4.242M	3.82M	3M82G7D	4.218M	3.815M
5.725-5.85GHz	-	-	-	-	-
4-DQPSK	1.698M	1.904M	1M90G7D	1.674M	1.896M
4-DQPSK	3.612M	3.825M	3M83G7D	3.588M	3.812M

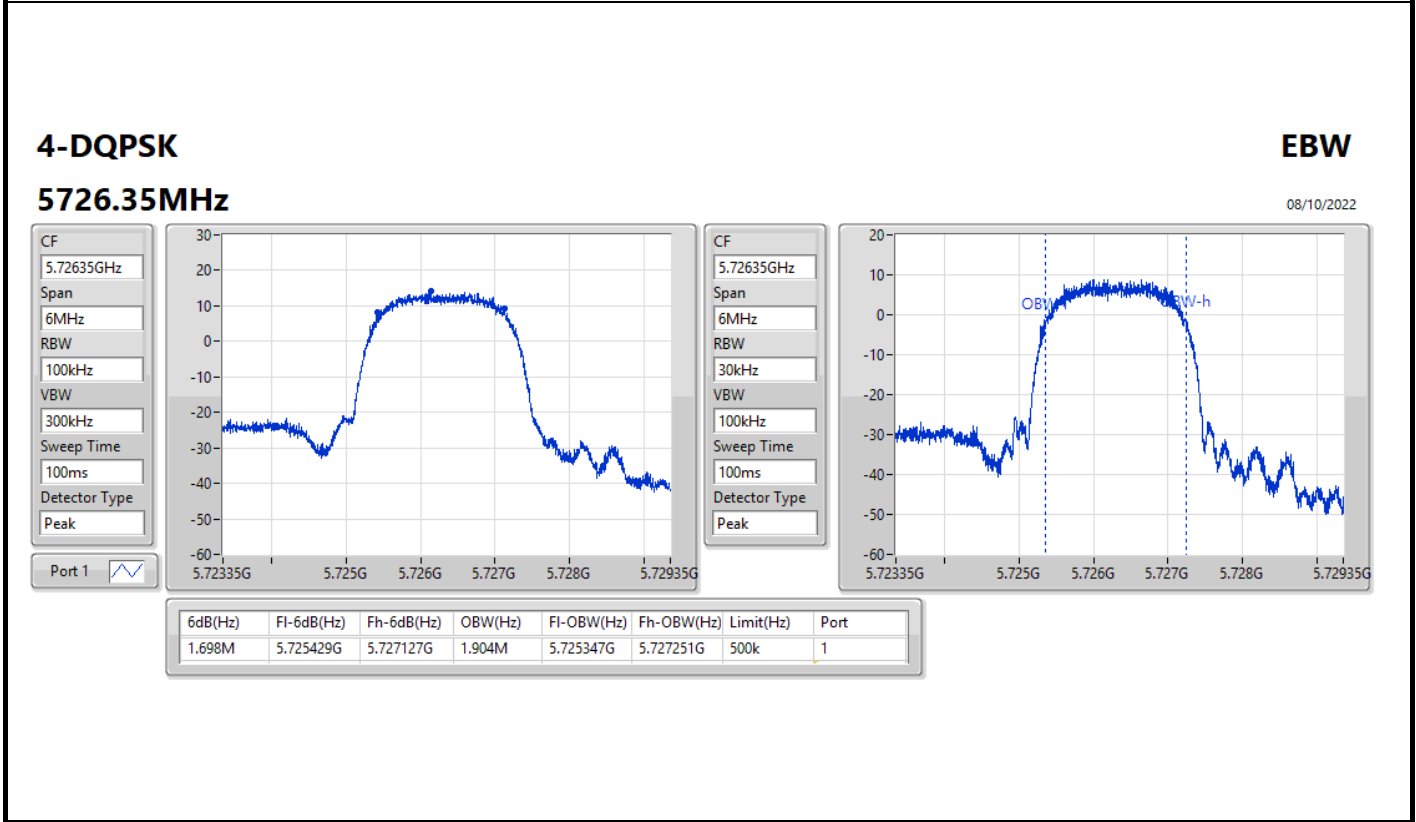
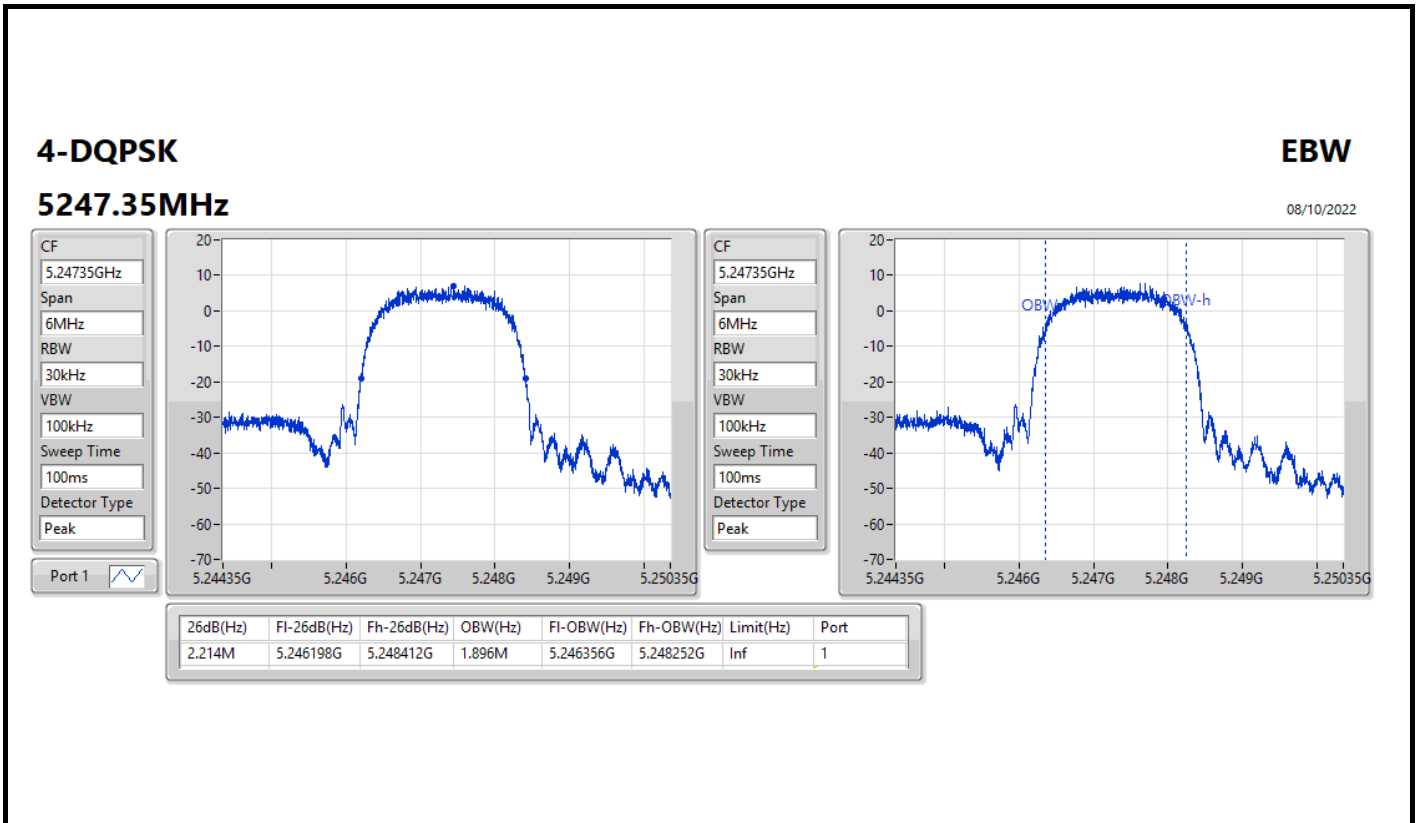
Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;  
Max-OBW = Maximum 99% occupied bandwidth;  
Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;  
Min-OBW = Minimum 99% occupied bandwidth

**Result**

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
4-DQPSK	-	-	-	-
5157.35MHz	Pass	Inf	2.211M	1.897M
5201.35MHz	Pass	Inf	2.226M	1.899M
5247.35MHz	Pass	Inf	2.214M	1.896M
5726.35MHz	Pass	500k	1.698M	1.904M
5788.35MHz	Pass	500k	1.677M	1.901M
5848.35MHz	Pass	500k	1.674M	1.896M
4-DQPSK	-	-	-	-
5160.35MHz	Pass	Inf	4.224M	3.82M
5202.35MHz	Pass	Inf	4.218M	3.815M
5246.35MHz	Pass	Inf	4.242M	3.818M
5727.35MHz	Pass	500k	3.588M	3.825M
5787.35MHz	Pass	500k	3.606M	3.817M
5847.35MHz	Pass	500k	3.612M	3.812M

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





4-DQPSK

EBW

5726.35MHz

08/10/2022

CF  
5.72635GHz


Span  
6MHz

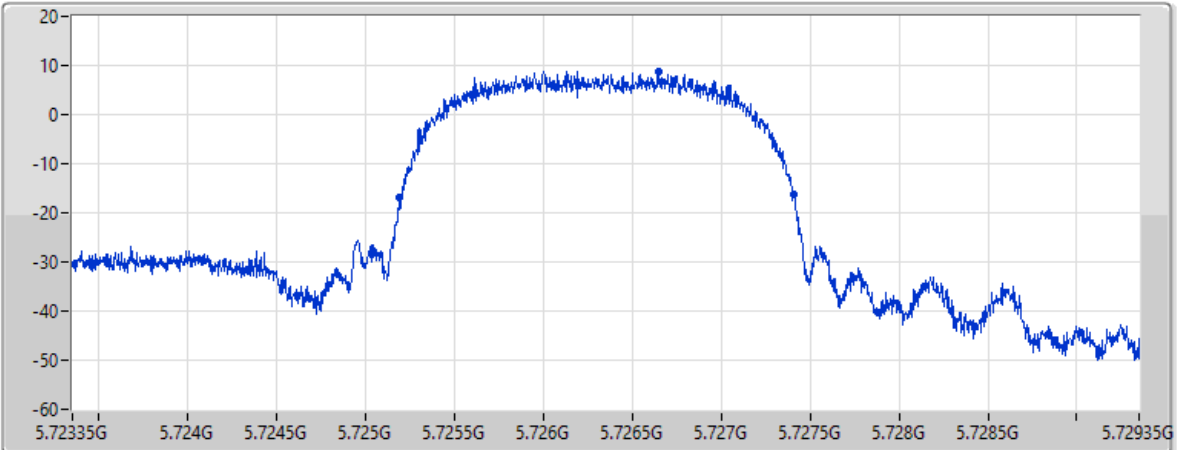
RBW  
30kHz

VBW  
100kHz

Sweep Time  
100ms

Detector Type  
Peak

Port 1 



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
2.217M	5.725192G	5.727409G	Inf	1

4-DQPSK

EBW

5788.35MHz

08/10/2022

CF  
5.78835GHz


Span  
6MHz

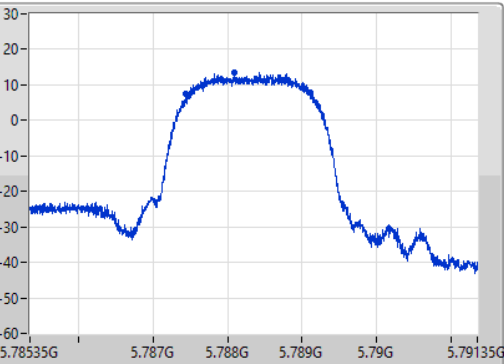
RBW  
100kHz

VBW  
300kHz

Sweep Time  
100ms

Detector Type  
Peak

Port 1 



CF  
5.78835GHz

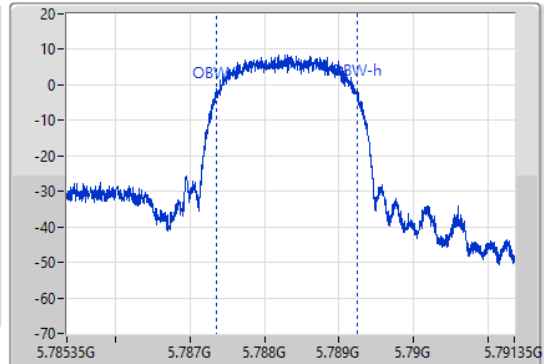
Span  
6MHz

RBW  
30kHz

VBW  
100kHz

Sweep Time  
100ms

Detector Type  
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.677M	5.787441G	5.789118G	1.901M	5.787347G	5.789248G	500k	1



4-DQPSK

EBW

5788.35MHz

08/10/2022

CF  
5.78835GHz

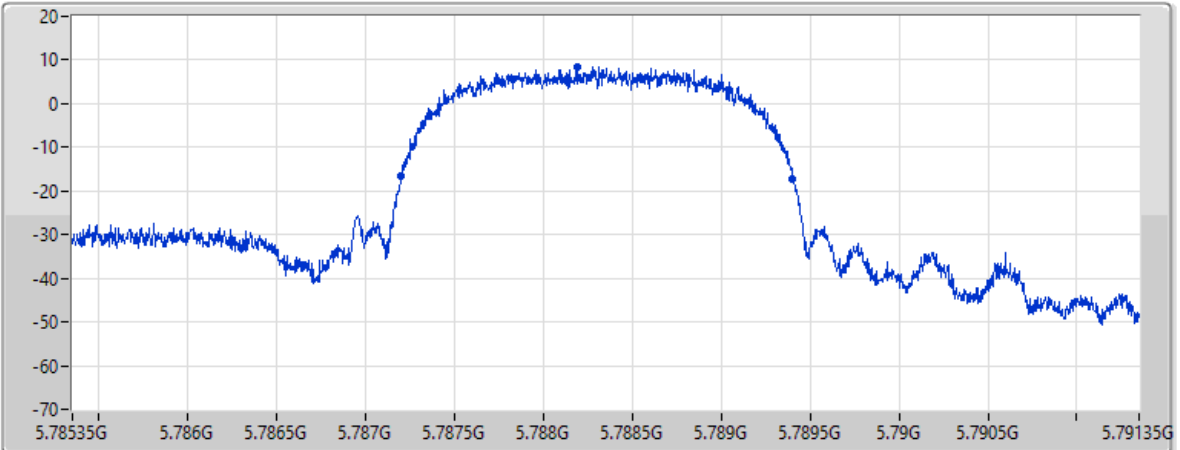
Span  
6MHz

RBW  
30kHz

VBW  
100kHz

Sweep Time  
100ms

Detector Type  
Peak



Port 1

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
2.205M	5.787198G	5.789403G	Inf	1

4-DQPSK

EBW

5848.35MHz

08/10/2022

CF  
5.84835GHz

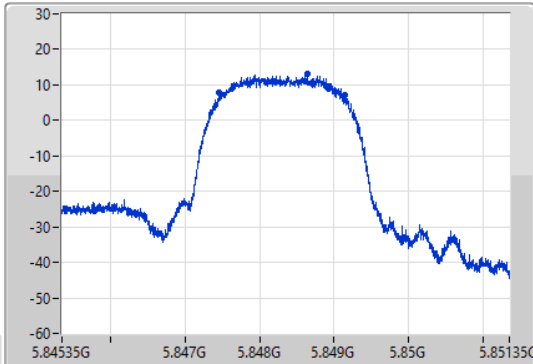
Span  
6MHz

RBW  
100kHz

VBW  
300kHz

Sweep Time  
100ms

Detector Type  
Peak



Port 1

CF  
5.84835GHz

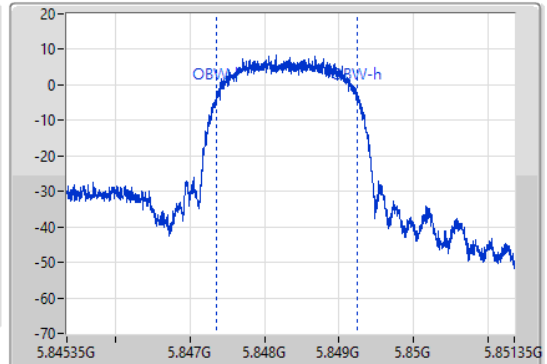
Span  
6MHz

RBW  
30kHz

VBW  
100kHz

Sweep Time  
100ms

Detector Type  
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.674M	5.847462G	5.849136G	1.896M	5.847354G	5.849249G	500k	1

4-DQPSK

EBW

5848.35MHz

08/10/2022

CF  
5.84835GHz

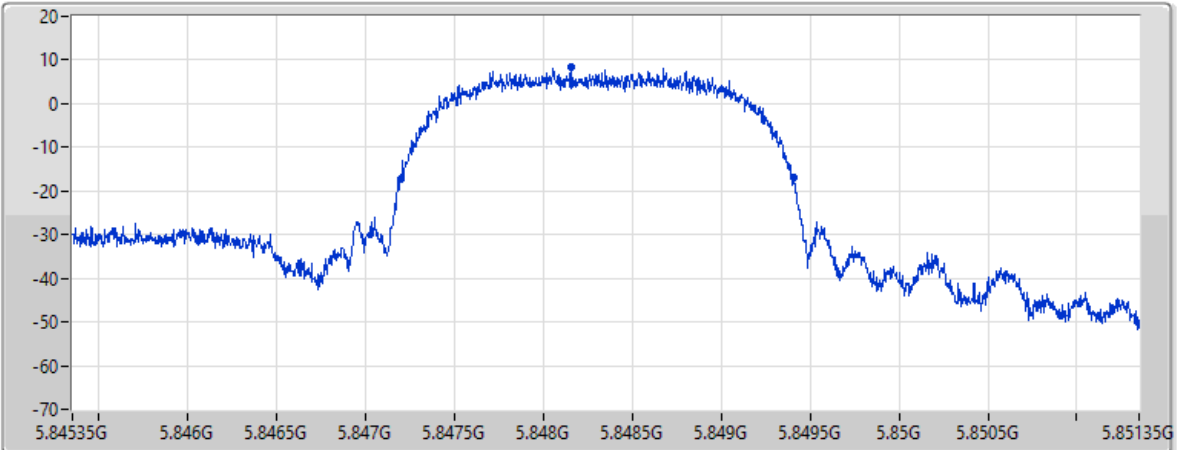
Span  
6MHz

RBW  
30kHz

VBW  
100kHz

Sweep Time  
100ms

Detector Type  
Peak



Port 1

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
2.211M	5.847198G	5.849409G	Inf	1

4-DQPSK

EBW

5160.35MHz

08/10/2022

CF  
5.16035GHz

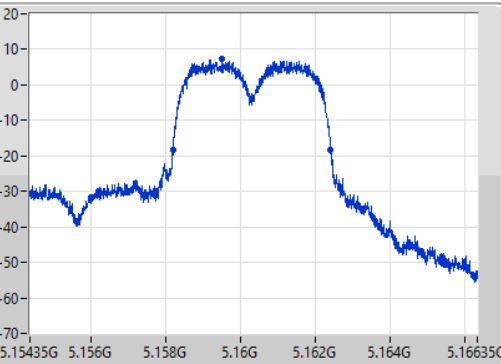
Span  
12MHz

RBW  
50kHz

VBW  
200kHz

Sweep Time  
100ms

Detector Type  
Peak



Port 1

CF  
5.16035GHz

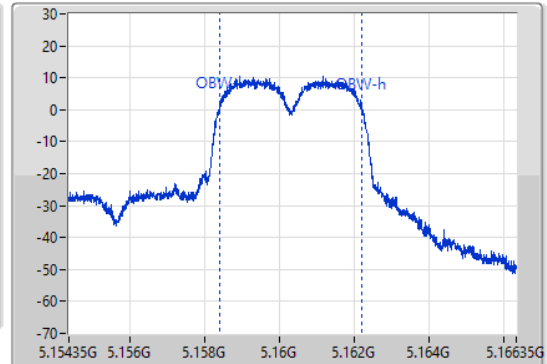
Span  
12MHz

RBW  
100kHz

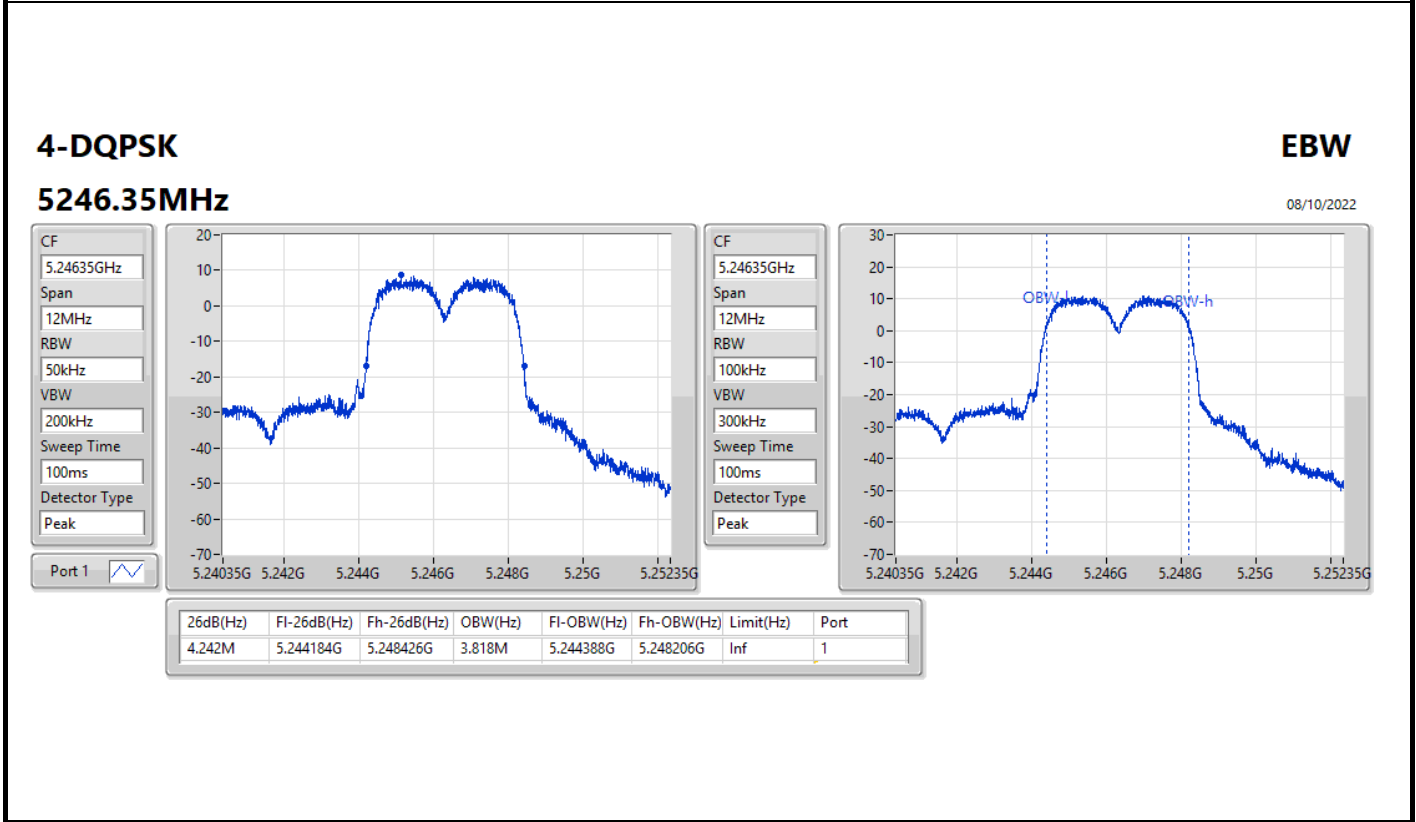
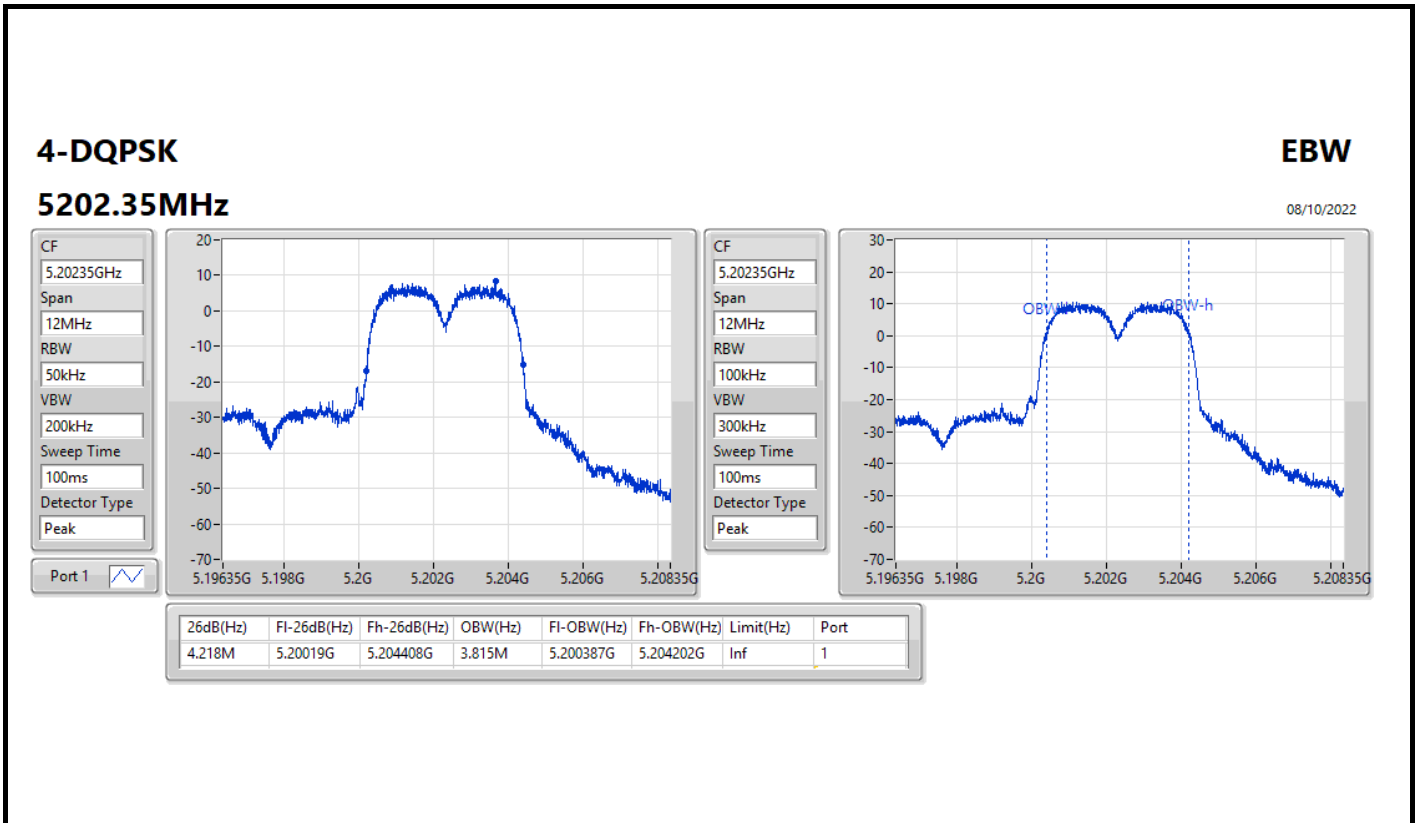
VBW  
300kHz

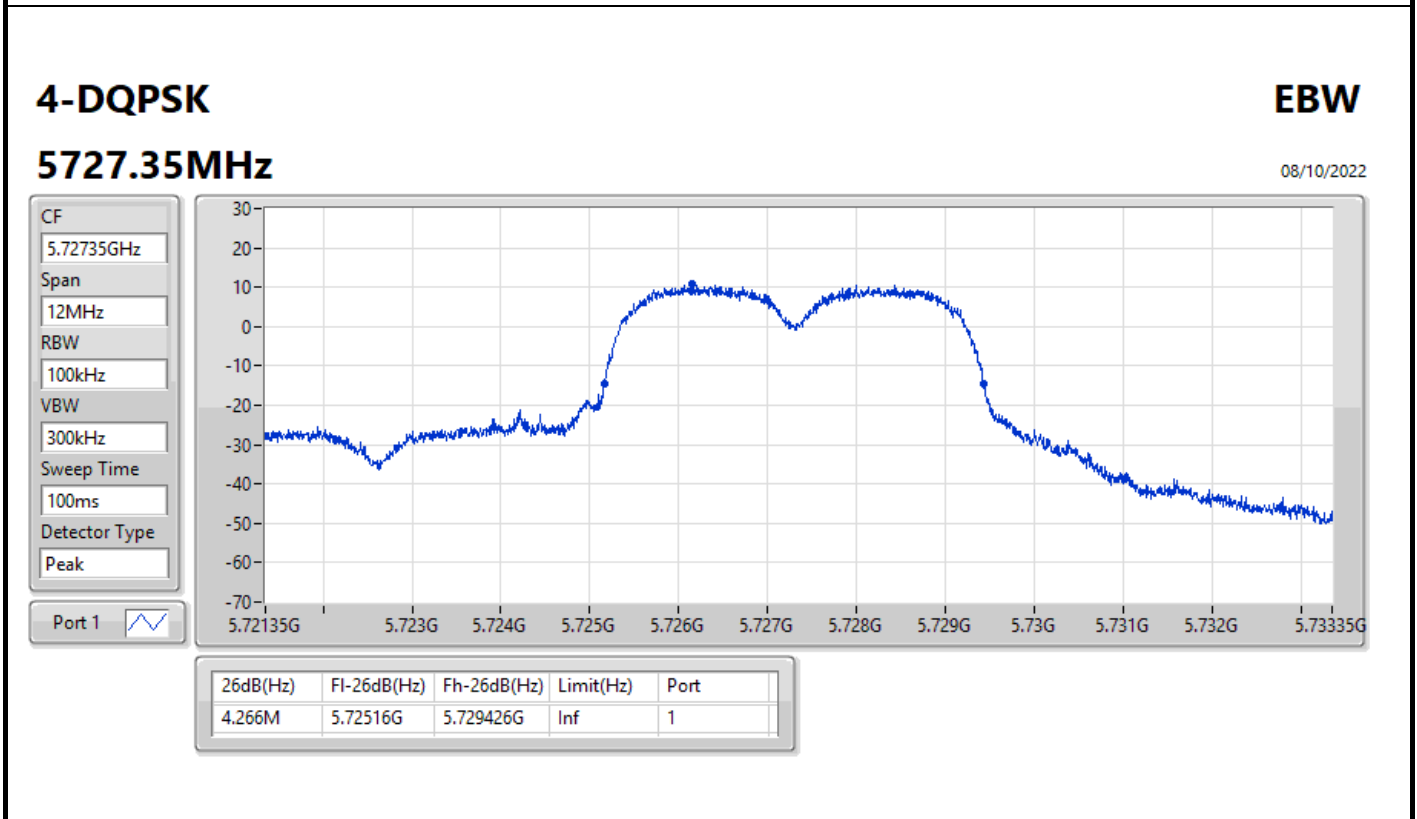
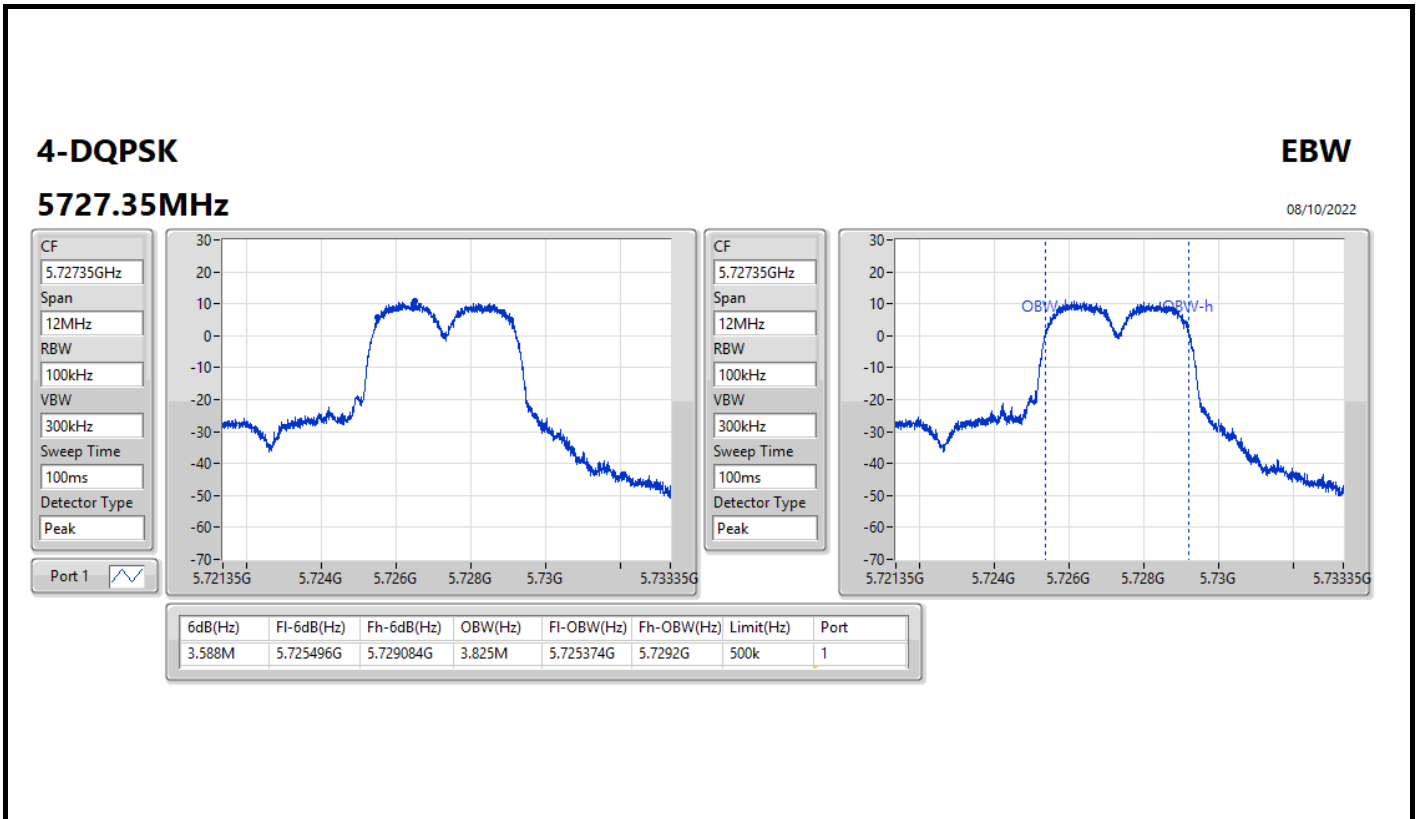
Sweep Time  
100ms

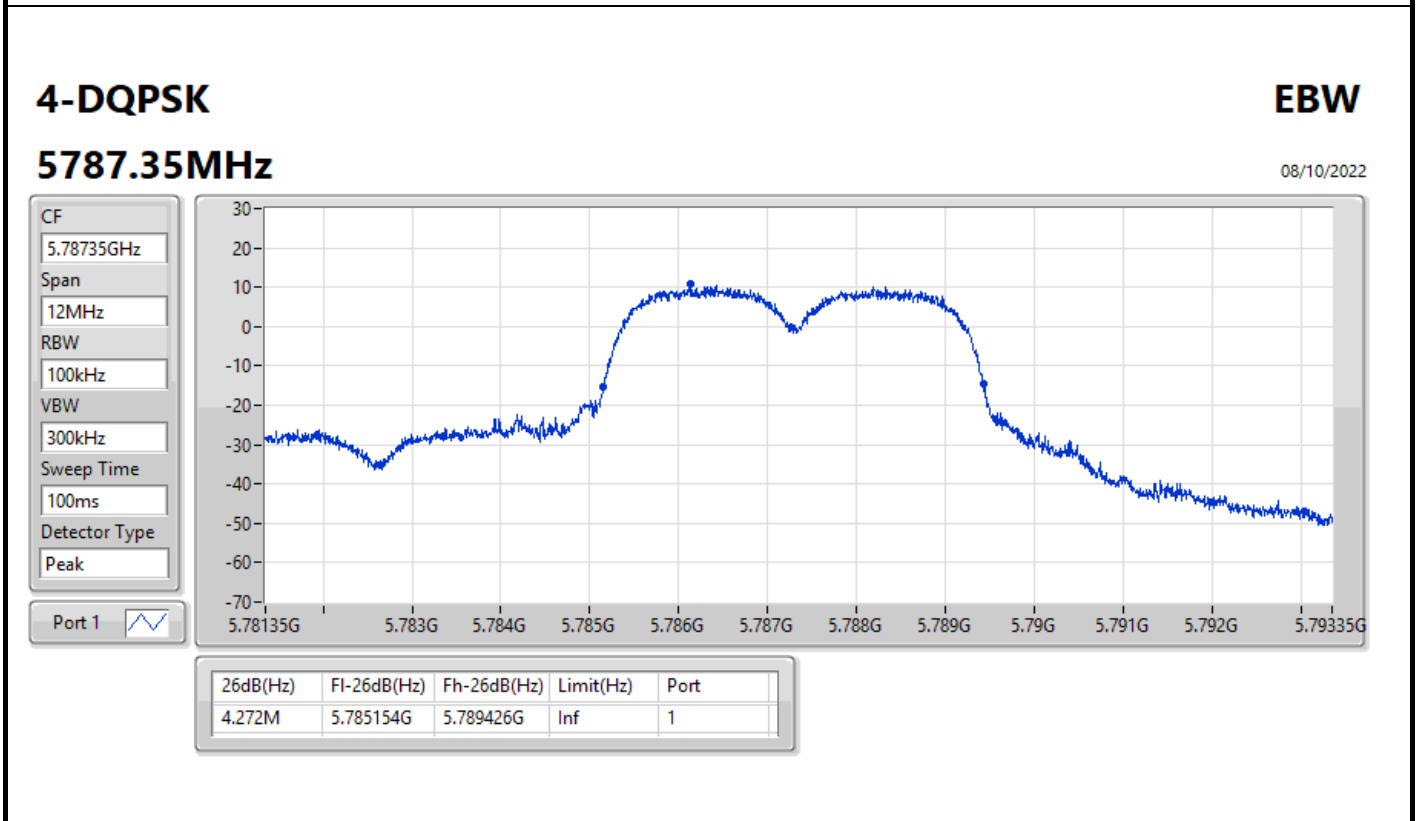
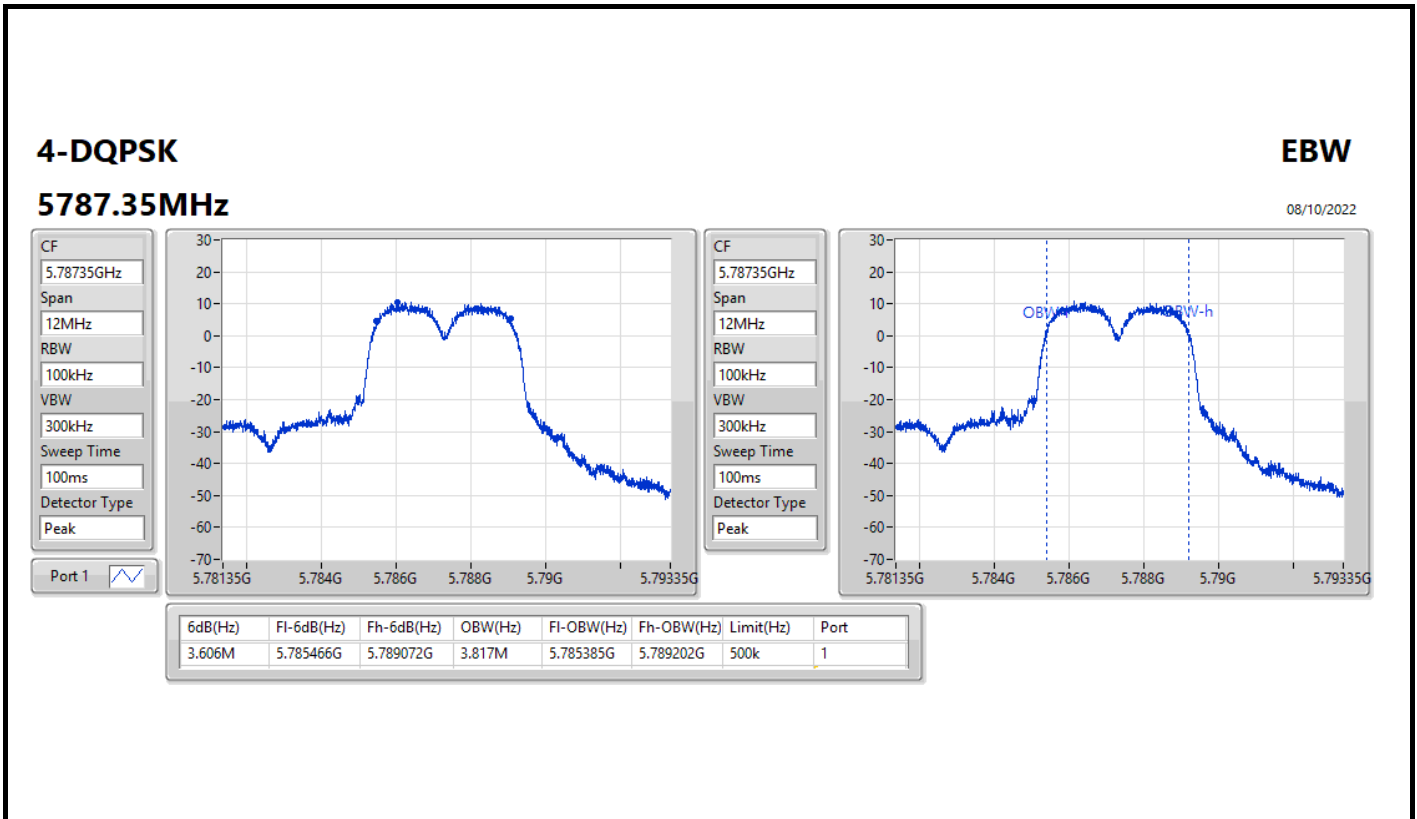
Detector Type  
Peak

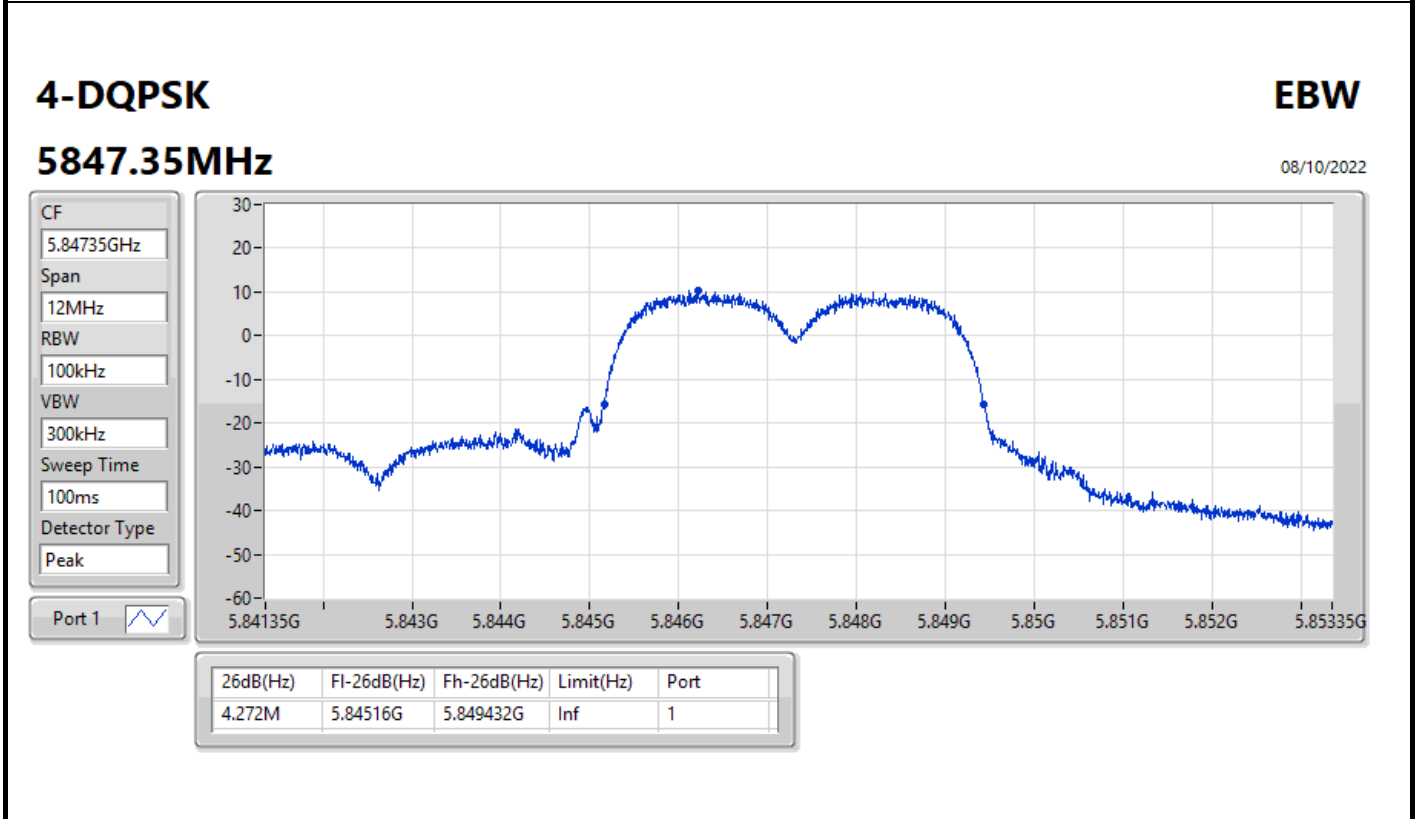
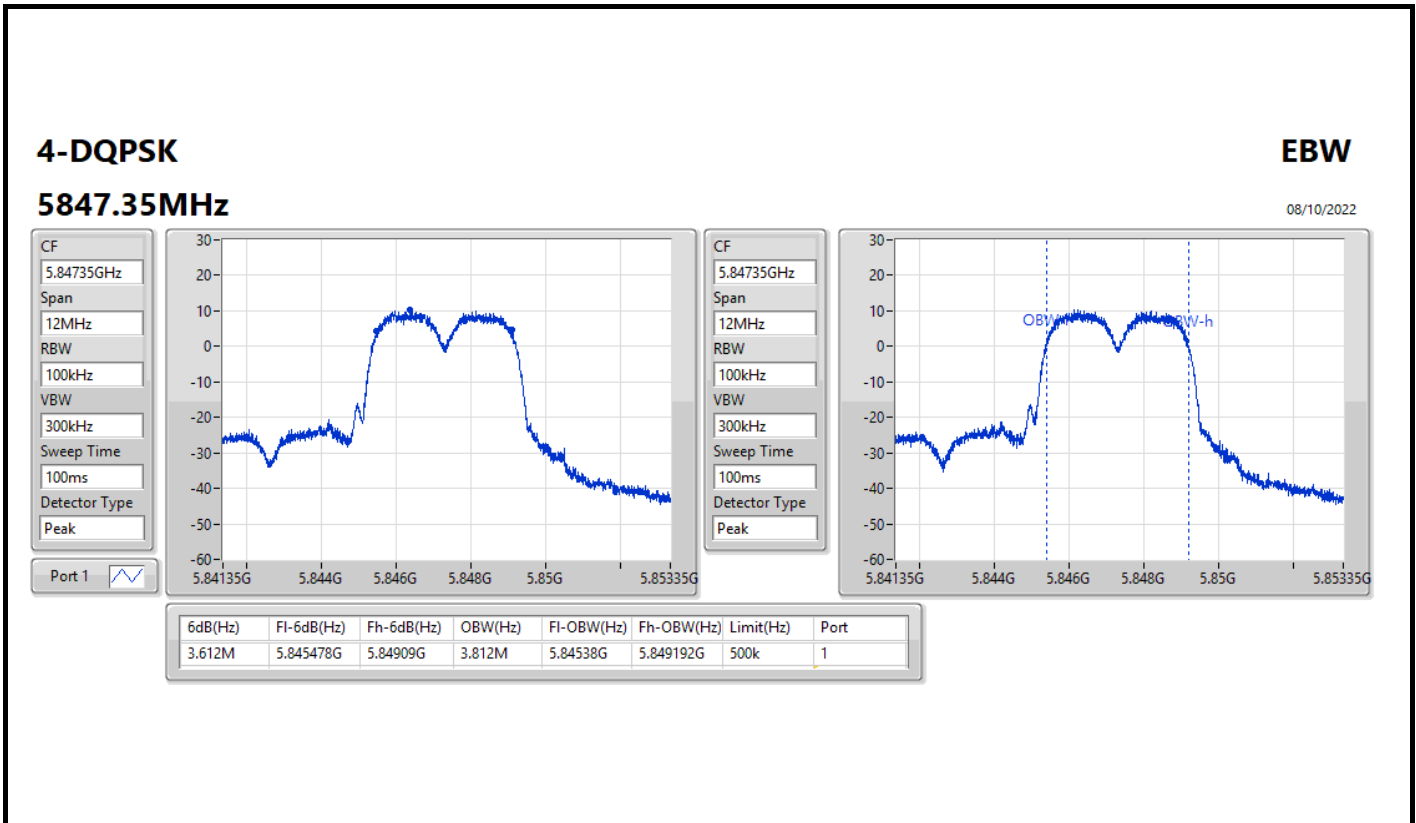


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
4.224M	5.15819G	5.162414G	3.82M	5.158385G	5.162206G	Inf	1











**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.85-5.895GHz	-	-	-	-	-
4-DQPSK	1.677M	1.911M	1M91G7D	1.611M	1.894M
4-DQPSK	3.612M	3.828M	3M83G7D	3.57M	3.815M

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

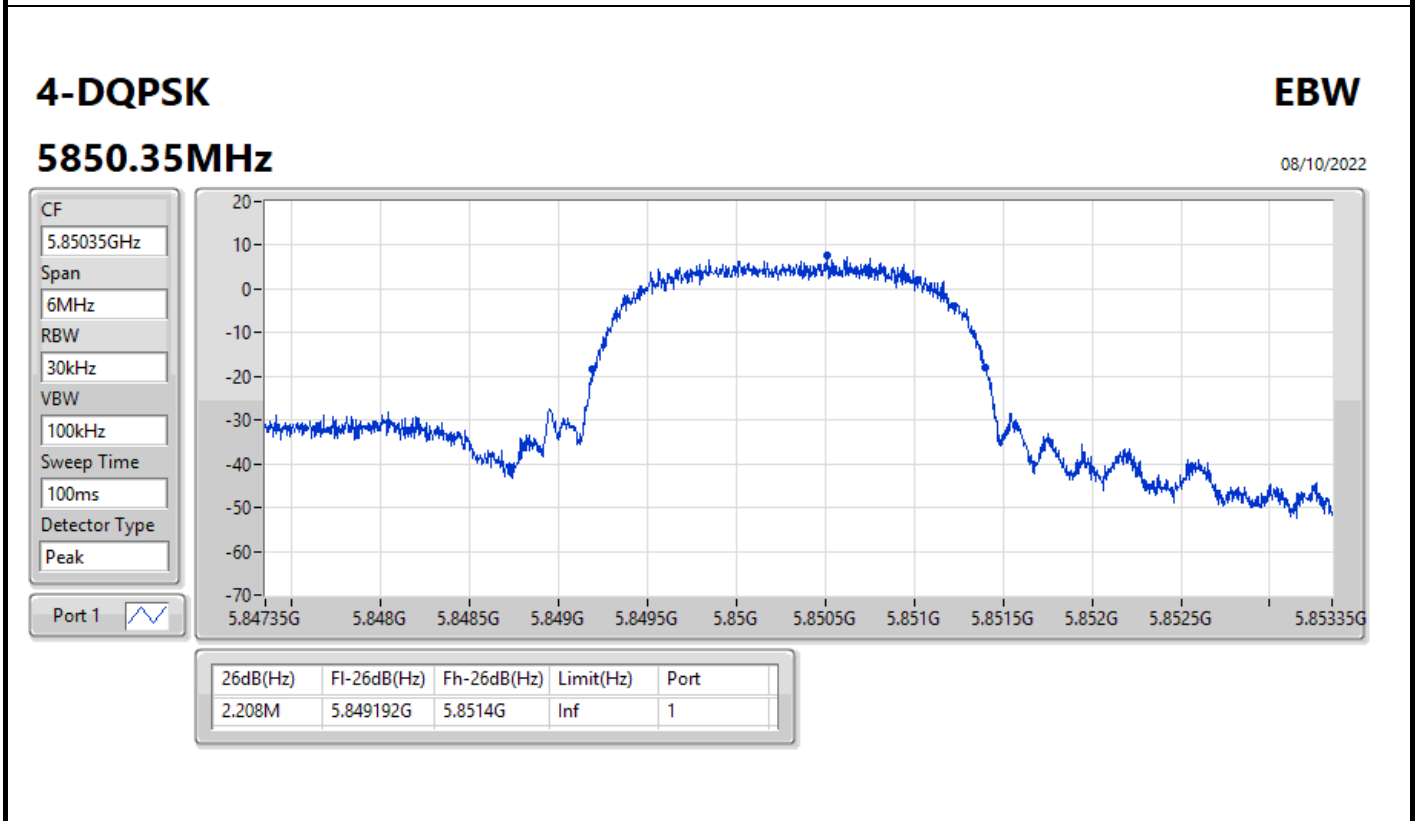
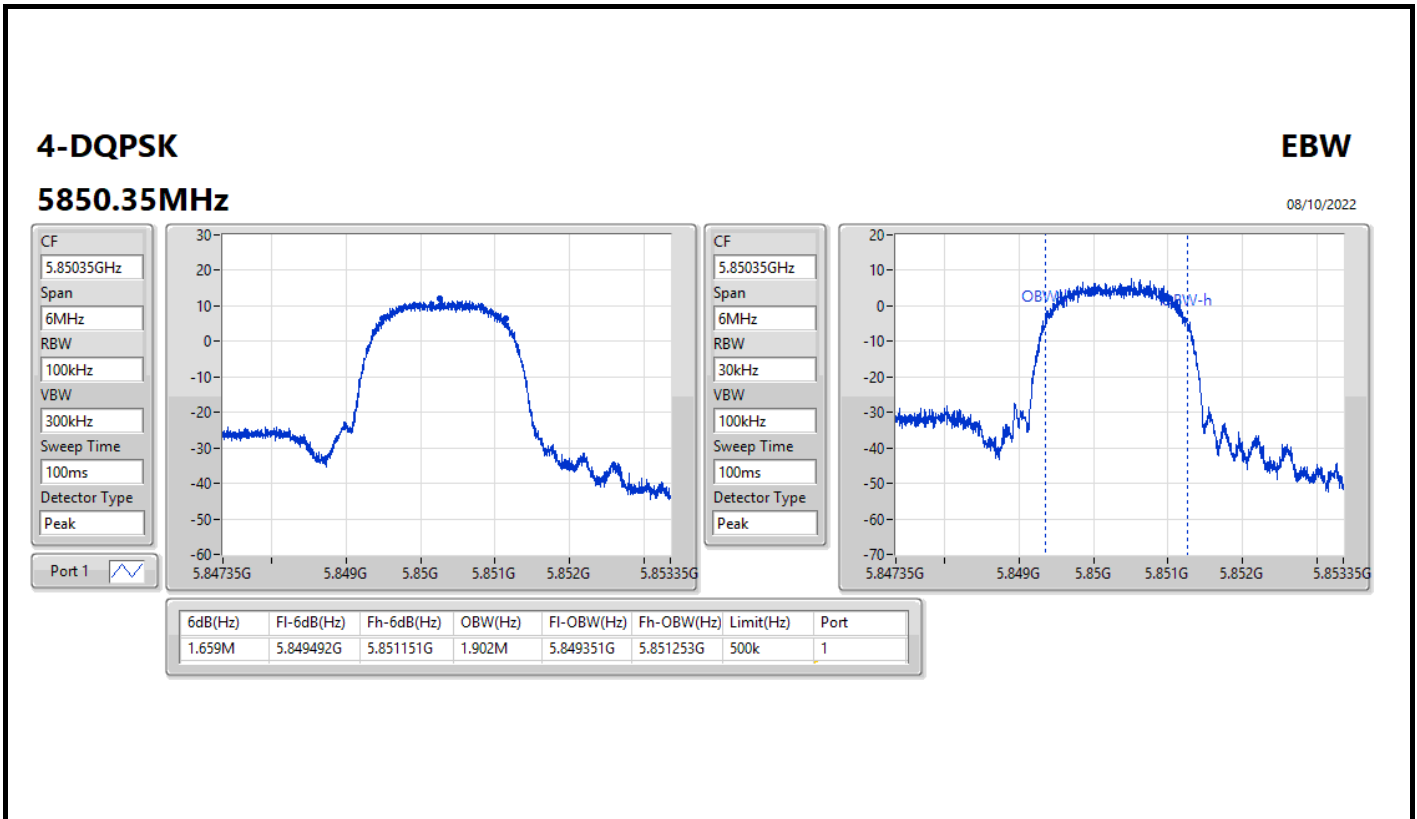


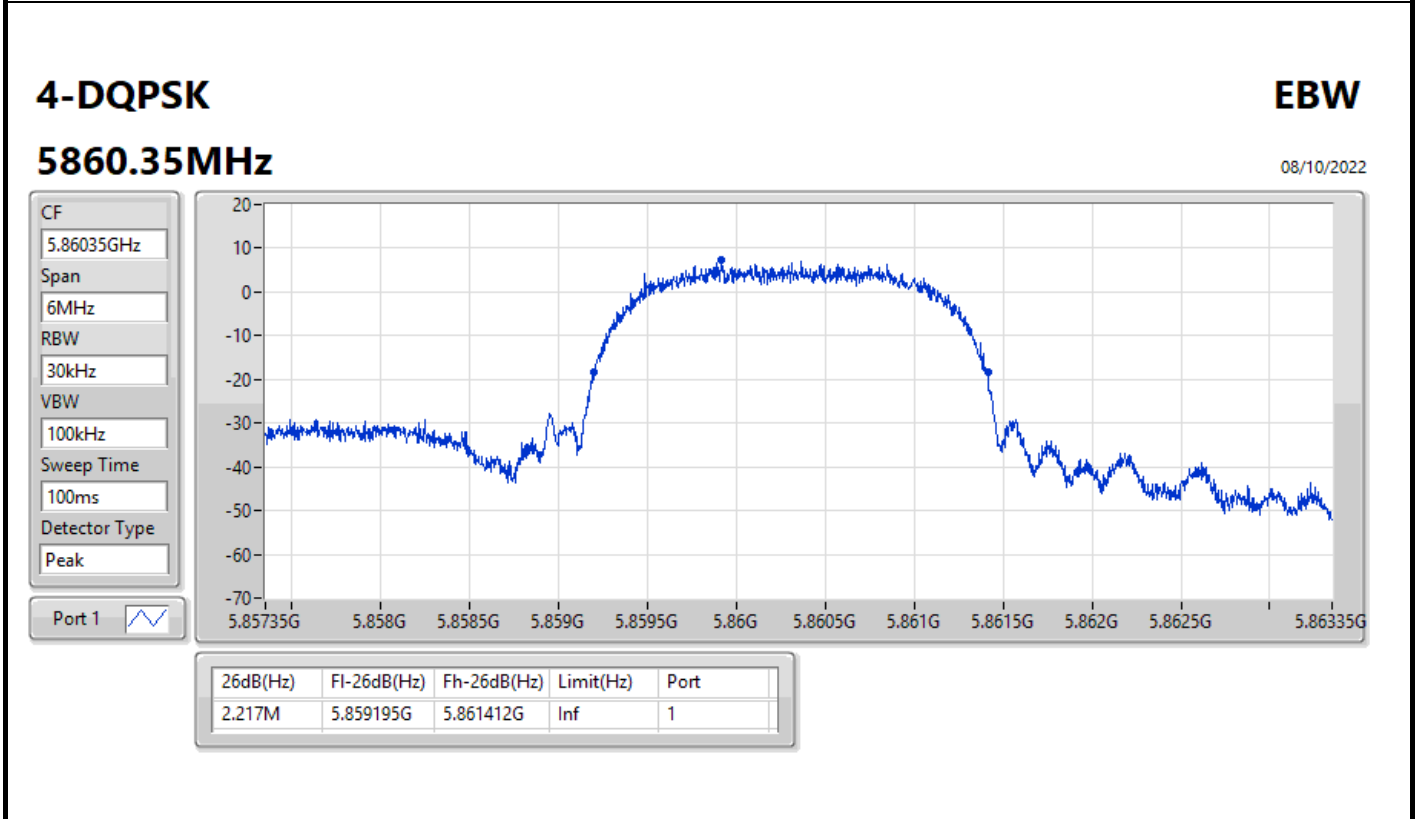
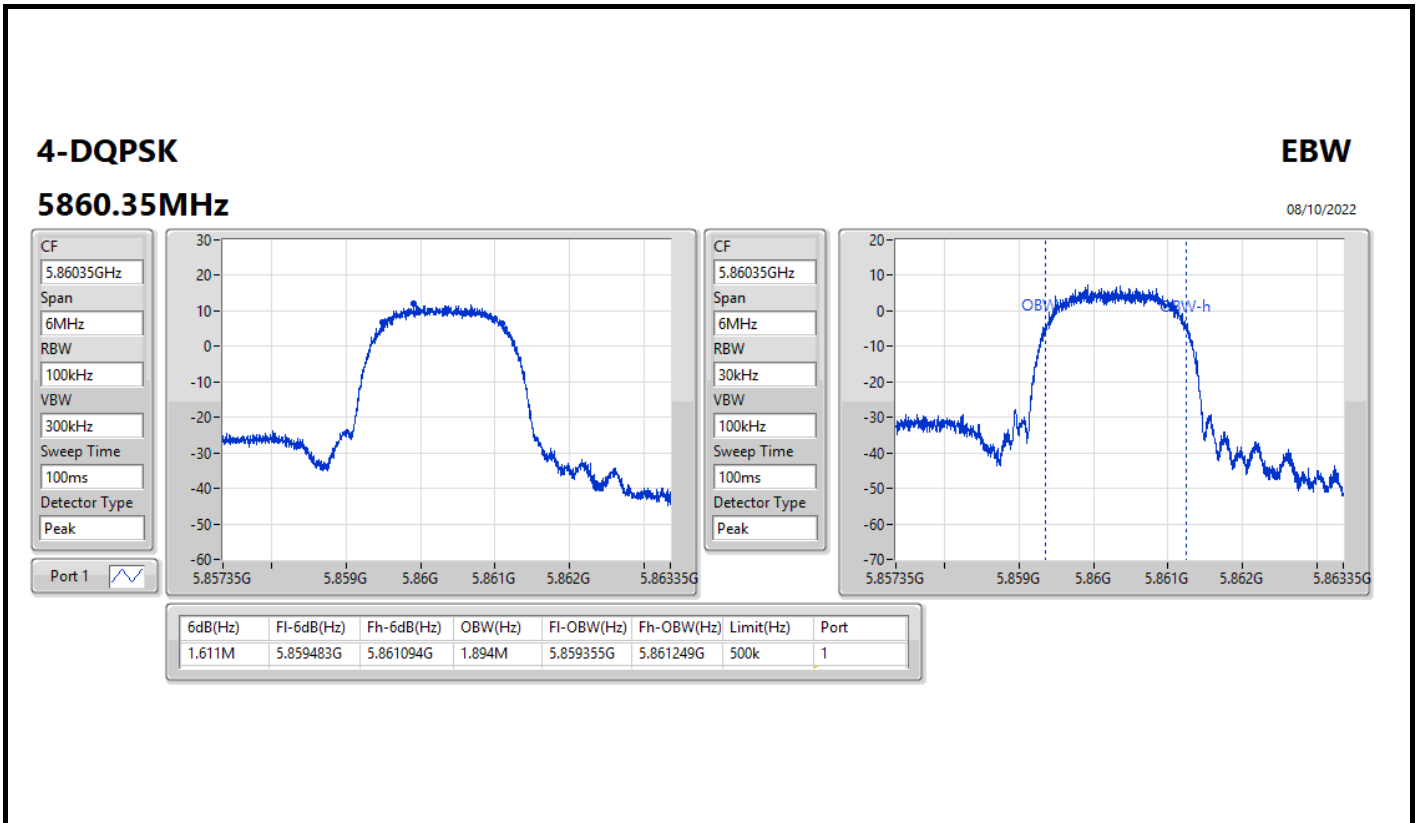
Result

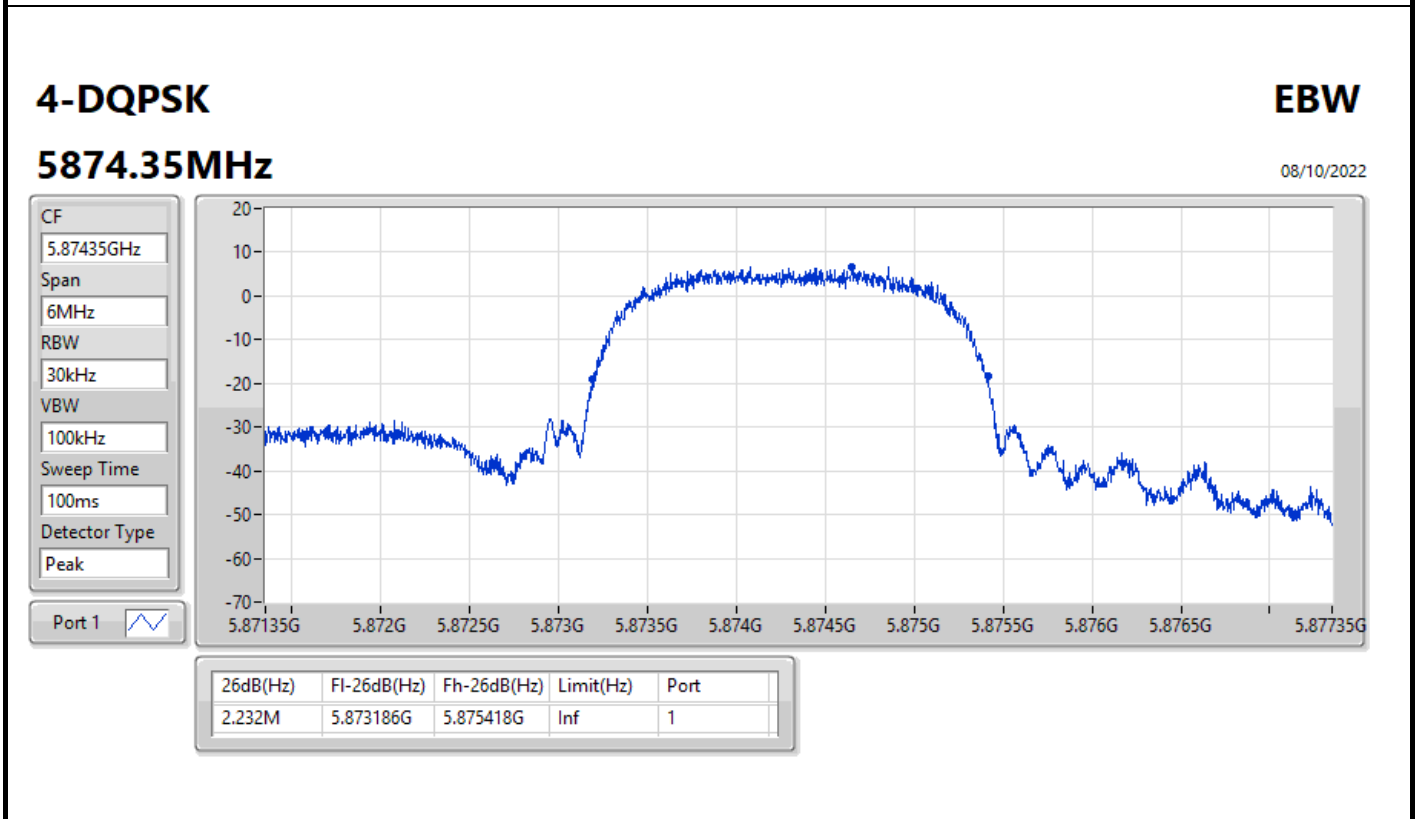
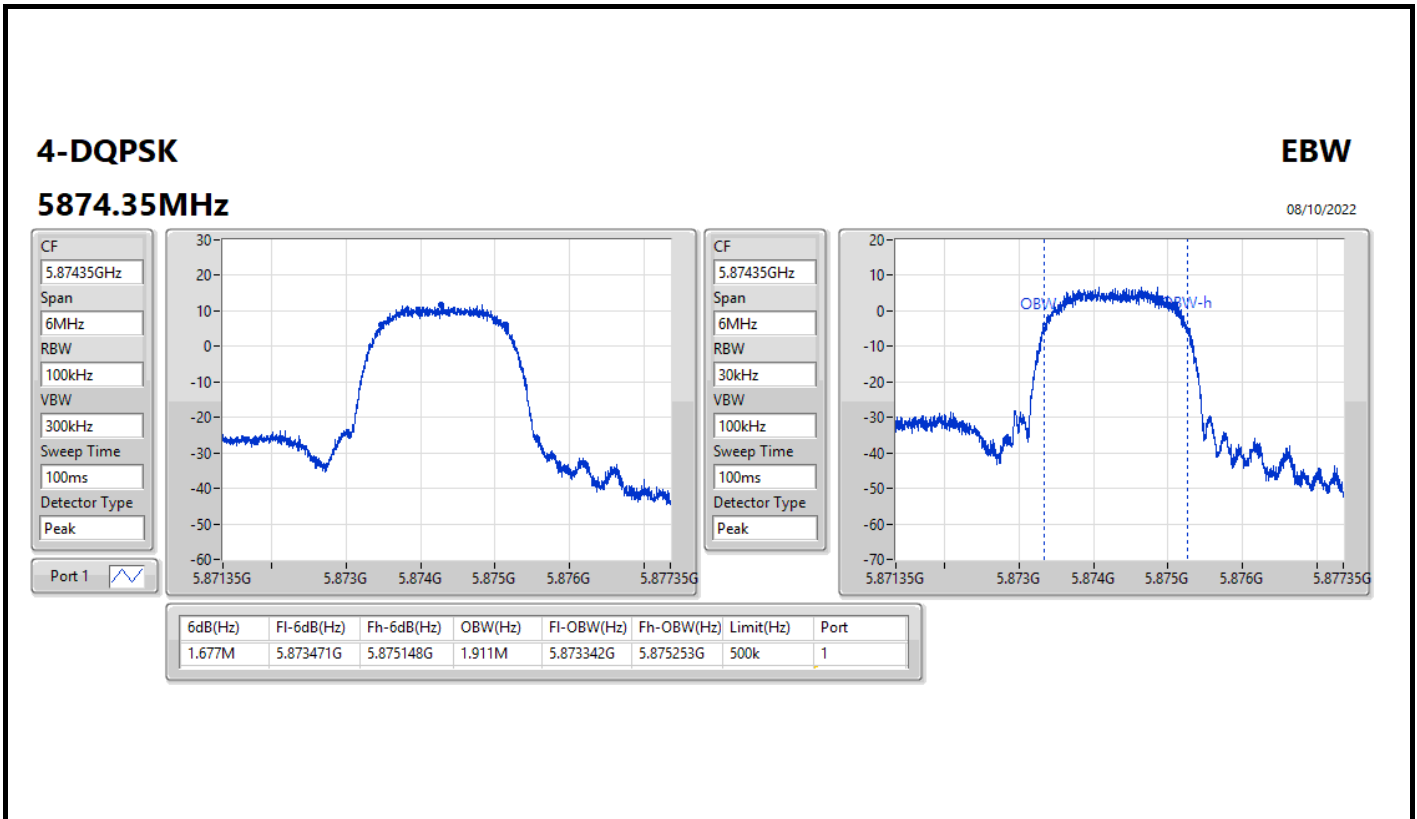
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
4-DQPSK	-	-	-	-
5850.35MHz	Pass	500k	1.659M	1.902M
5860.35MHz	Pass	500k	1.611M	1.894M
5874.35MHz	Pass	500k	1.677M	1.911M
4-DQPSK	-	-	-	-
5849.35MHz	Pass	500k	3.57M	3.816M
5861.35MHz	Pass	500k	3.612M	3.828M
5875.35MHz	Pass	500k	3.606M	3.815M

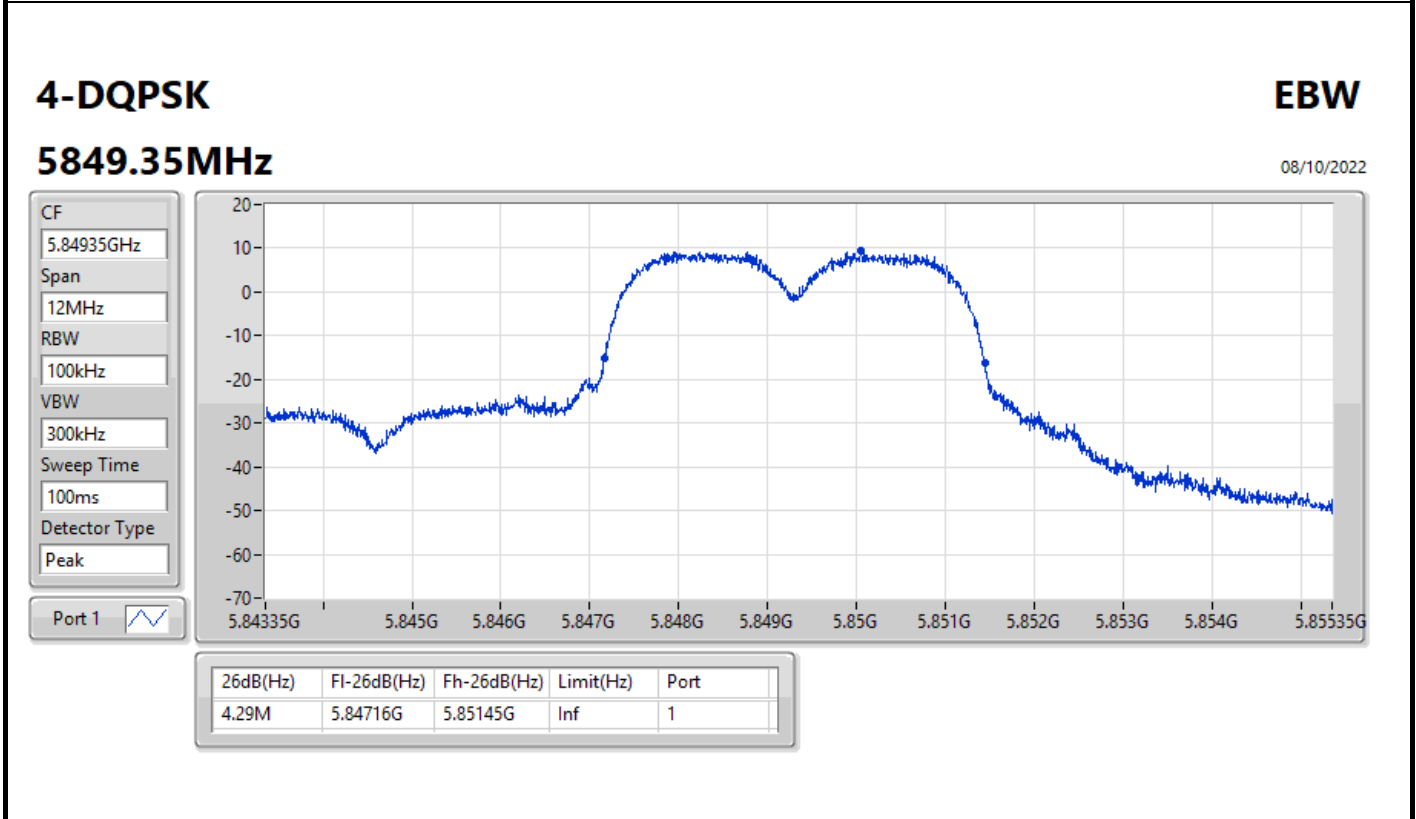
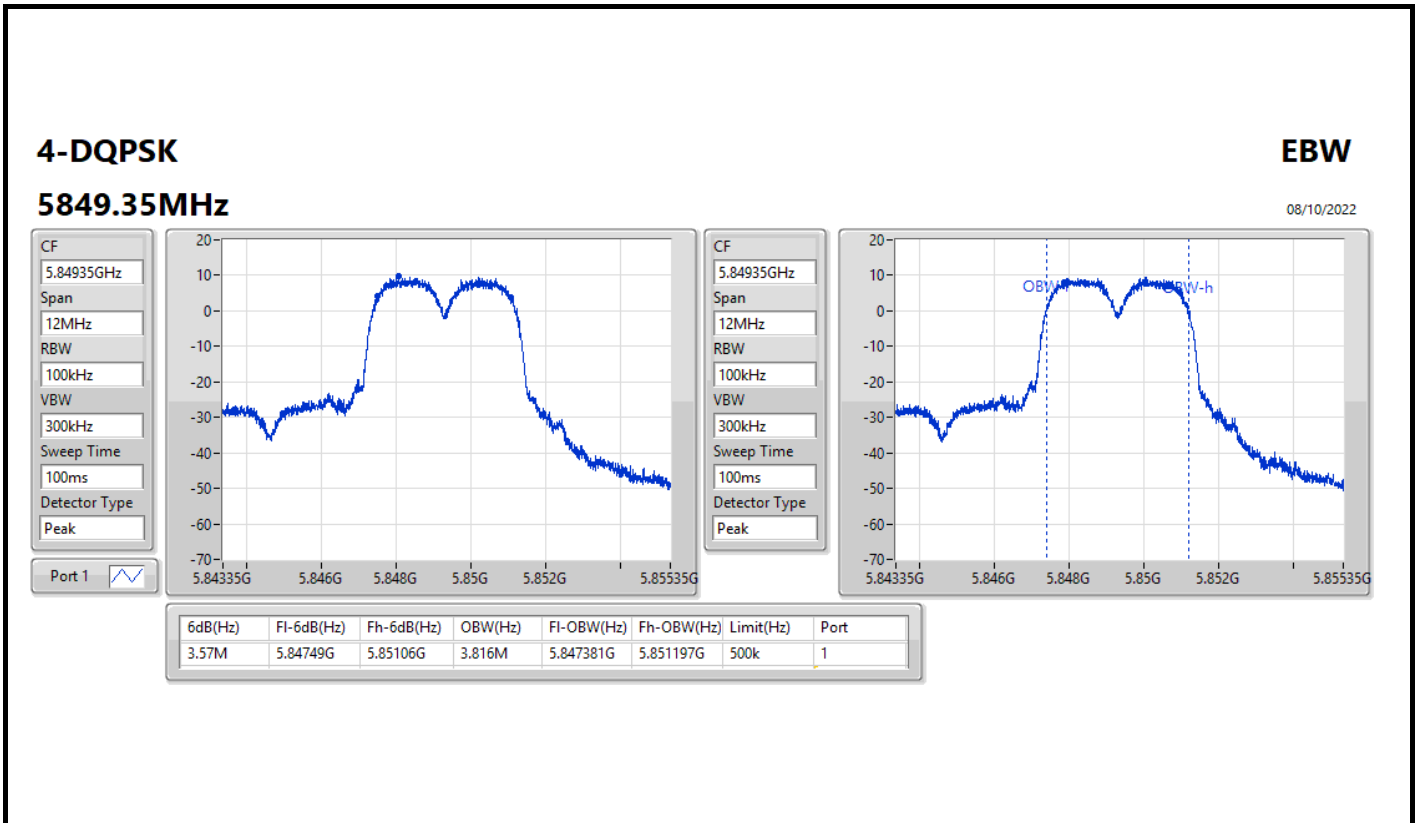
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band  
Port X-OBW = Port X 99% occupied bandwidth

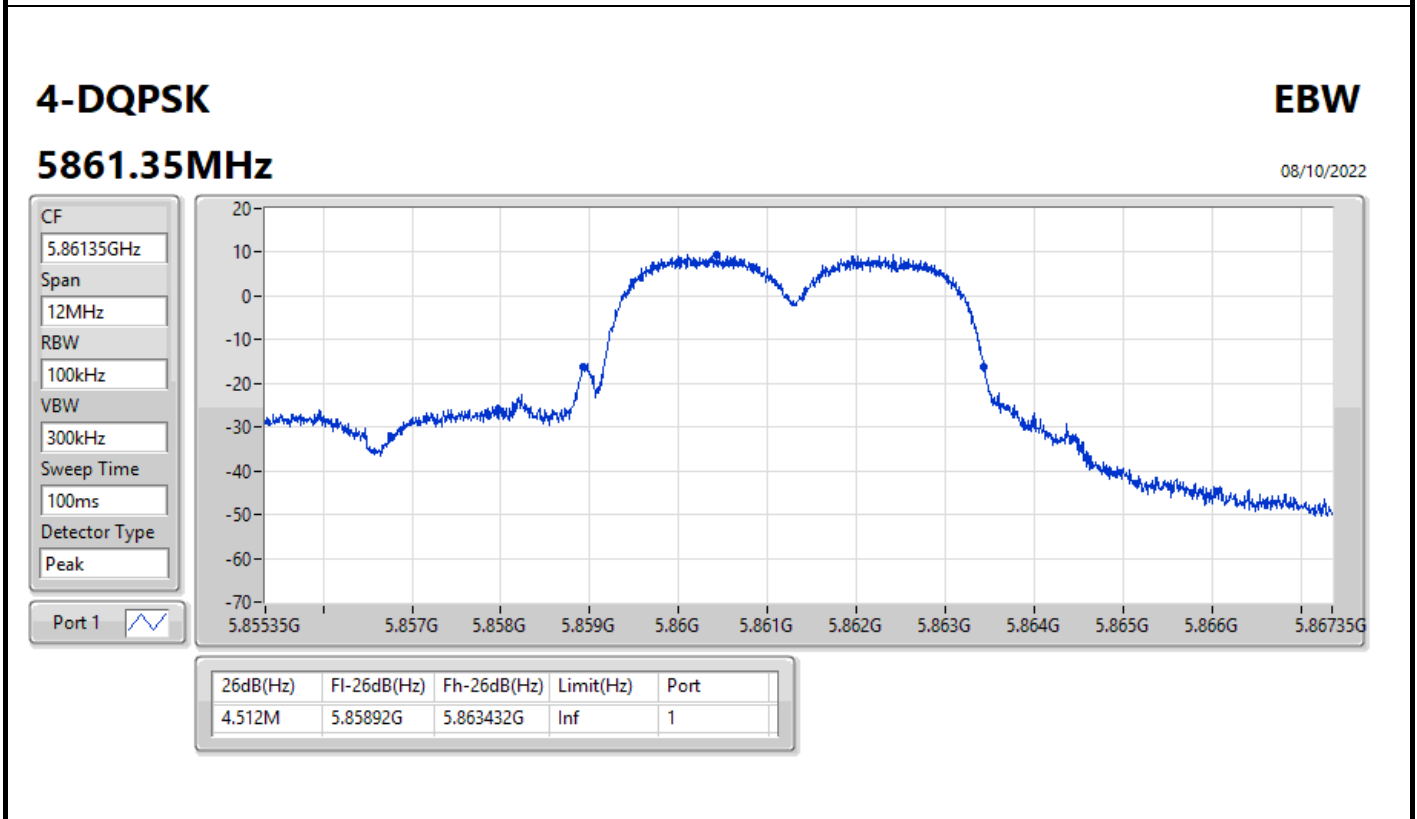
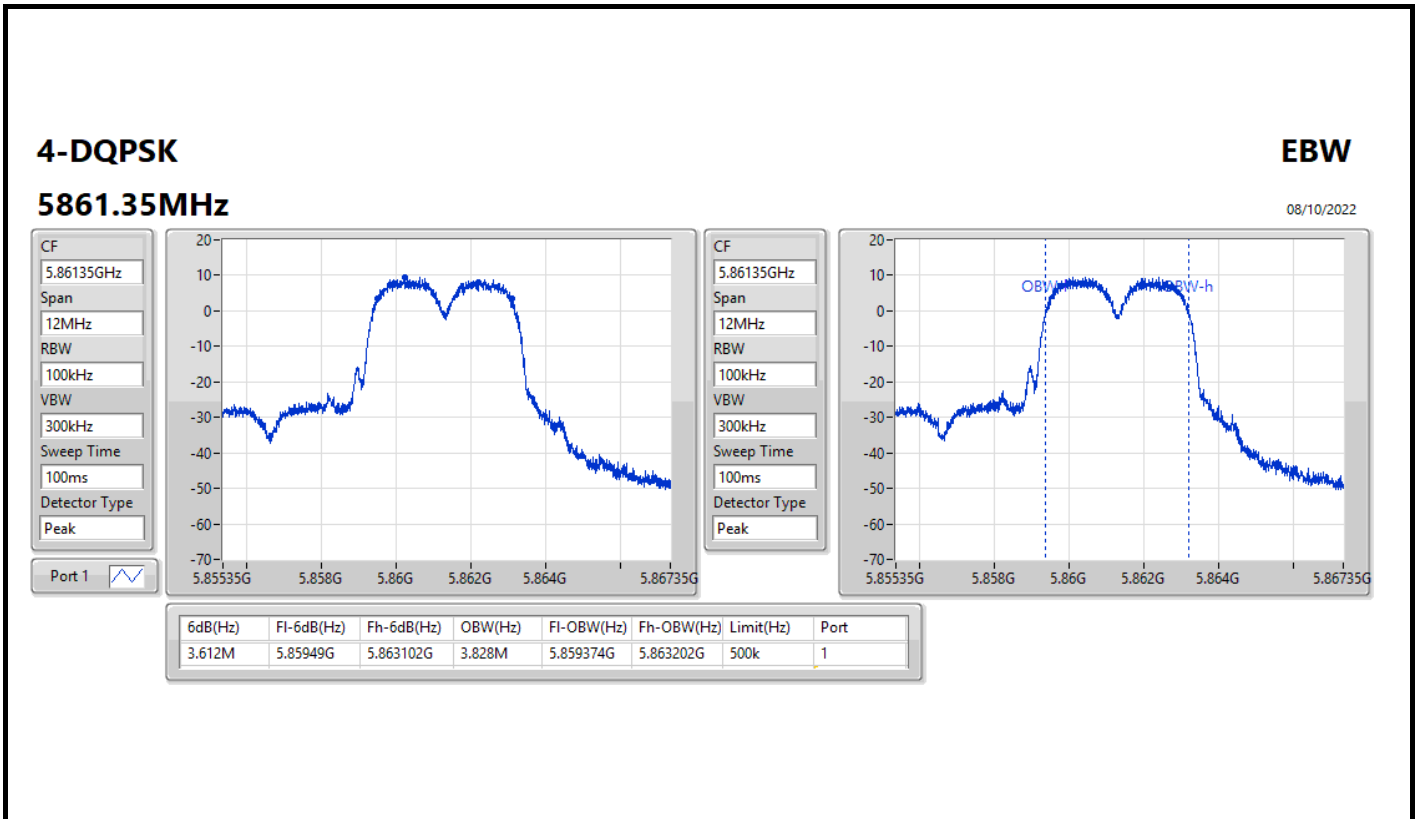


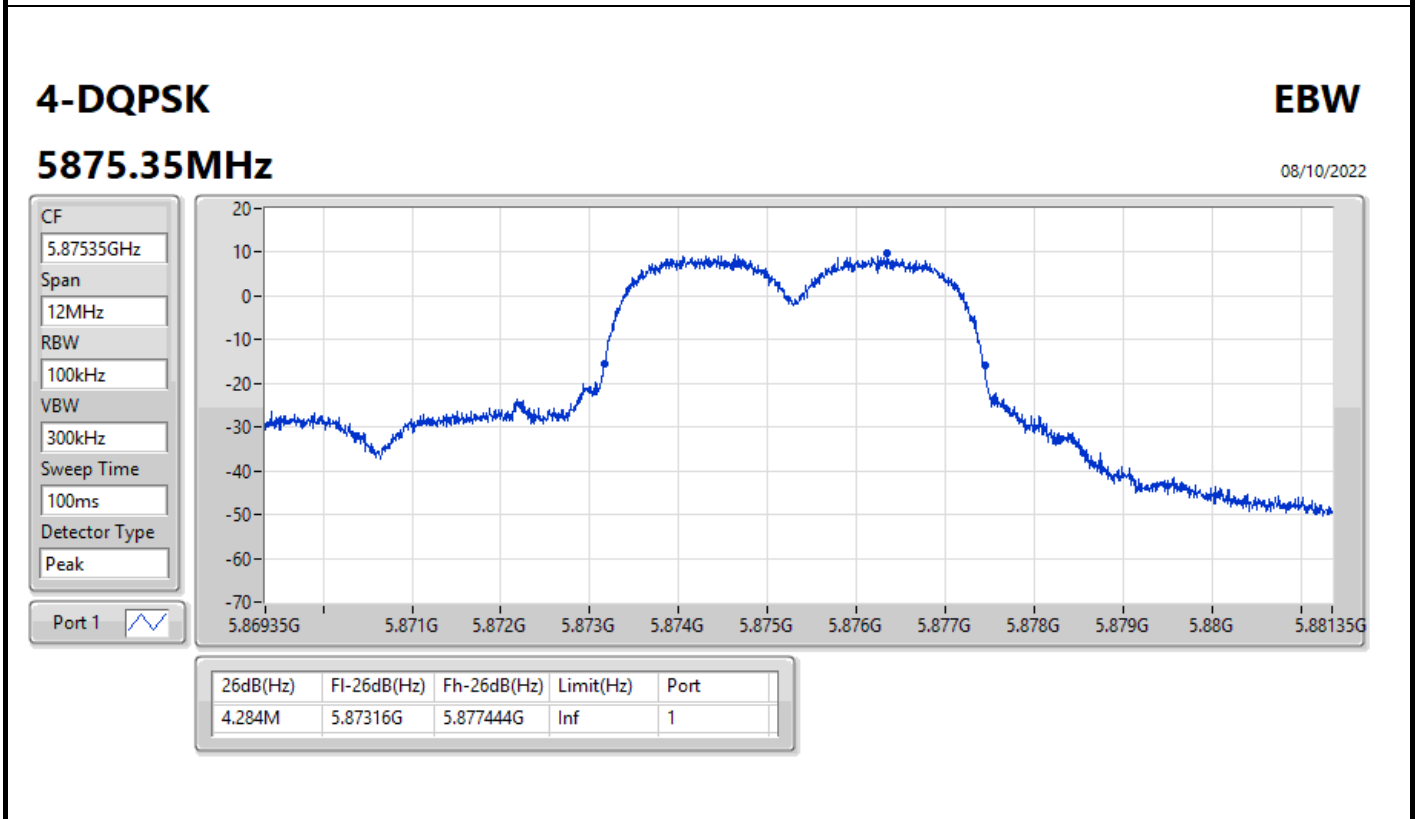
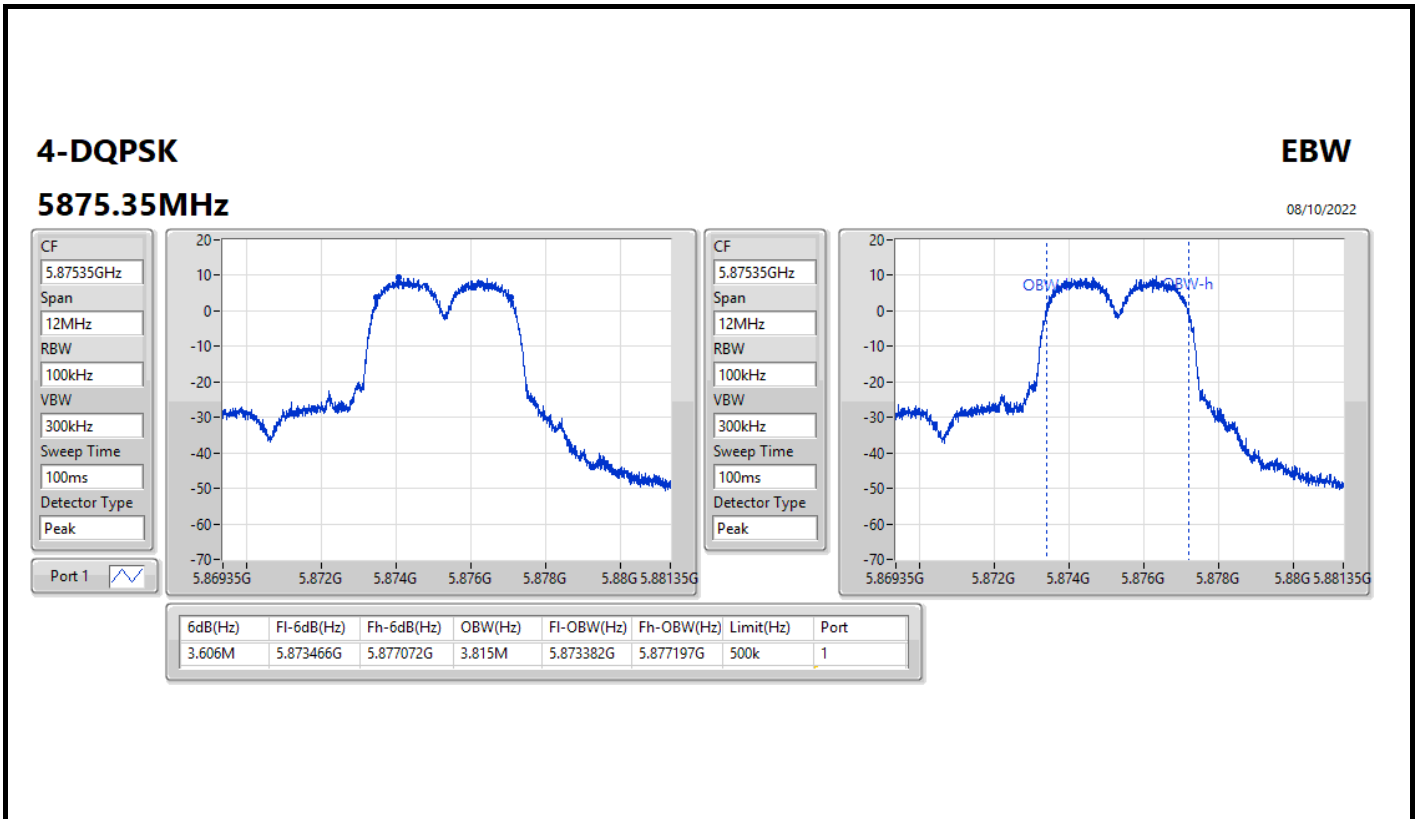














**Summary**

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
4-DQPSK	13.84	0.02421
4-DQPSK	15.89	0.03882
5.725-5.85GHz	-	-
4-DQPSK	15.89	0.03882
4-DQPSK	15.44	0.03499



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
4-DQPSK	-	-	-	-	-
5157.35MHz	Pass	4.32	13.67	13.67	23.98
5201.35MHz	Pass	4.32	13.83	13.83	23.98
5247.35MHz	Pass	4.32	13.84	13.84	23.98
5726.35MHz	Pass	4.90	15.89	15.89	30.00
5788.35MHz	Pass	4.90	15.46	15.46	30.00
5848.35MHz	Pass	4.90	14.92	14.92	30.00
4-DQPSK	-	-	-	-	-
5160.35MHz	Pass	4.32	14.91	14.91	23.98
5202.35MHz	Pass	4.32	15.33	15.33	23.98
5246.35MHz	Pass	4.32	15.89	15.89	23.98
5727.35MHz	Pass	4.90	15.44	15.44	30.00
5787.35MHz	Pass	4.90	15.12	15.12	30.00
5847.35MHz	Pass	4.90	13.77	13.77	30.00

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





Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.85-5.895GHz	-	-	-	-
4-DQPSK	12.50	0.01778	17.00	0.05012
4-DQPSK	14.41	0.02761	18.91	0.07780



**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
4-QPSK	-	-	-	-	-	-	-
5850.35MHz	Pass	4.50	12.24	12.24	Inf	16.74	30.00
5860.35MHz	Pass	4.50	12.36	12.36	Inf	16.86	30.00
5874.35MHz	Pass	4.50	12.50	12.50	Inf	17.00	30.00
4-QPSK	-	-	-	-	-	-	-
5849.35MHz	Pass	4.50	14.41	14.41	Inf	18.91	30.00
5861.35MHz	Pass	4.50	14.24	14.24	Inf	18.74	30.00
5875.35MHz	Pass	4.50	14.12	14.12	Inf	18.62	30.00

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



Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
4-DQPSK	13.84	0.02421
4-DQPSK	15.89	0.03882
5.725-5.85GHz	-	-
4-DQPSK	15.89	0.03882
4-DQPSK	15.44	0.03499



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
4-DQPSK	-	-	-	-	-
5157.35MHz	Pass	3.03	13.67	13.67	23.98
5201.35MHz	Pass	3.03	13.83	13.83	23.98
5247.35MHz	Pass	3.03	13.84	13.84	23.98
5726.35MHz	Pass	4.23	15.89	15.89	30.00
5788.35MHz	Pass	4.23	15.46	15.46	30.00
5848.35MHz	Pass	4.23	14.92	14.92	30.00
4-DQPSK	-	-	-	-	-
5160.35MHz	Pass	3.03	14.91	14.91	23.98
5202.35MHz	Pass	3.03	15.33	15.33	23.98
5246.35MHz	Pass	3.03	15.89	15.89	23.98
5727.35MHz	Pass	4.23	15.44	15.44	30.00
5787.35MHz	Pass	4.23	15.12	15.12	30.00
5847.35MHz	Pass	4.23	13.77	13.77	30.00

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



Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.85-5.895GHz	-	-	-	-
4-DQPSK	13.87	0.02438	16.88	0.04875
4-DQPSK	14.41	0.02761	17.42	0.05521



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
4-QPSK	-	-	-	-	-	-	-
5850.35MHz	Pass	3.01	13.87	13.87	Inf	16.88	30.00
5860.35MHz	Pass	3.01	13.71	13.71	Inf	16.72	30.00
5874.35MHz	Pass	3.01	13.86	13.86	Inf	16.87	30.00
4-QPSK	-	-	-	-	-	-	-
5849.35MHz	Pass	3.01	14.41	14.41	Inf	17.42	30.00
5861.35MHz	Pass	3.01	14.24	14.24	Inf	17.25	30.00
5875.35MHz	Pass	3.01	14.12	14.12	Inf	17.13	30.00

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



Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
4-DQPSK	10.76
4-DQPSK	10.18
5.725-5.85GHz	-
4-DQPSK	11.58
4-DQPSK	8.39

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

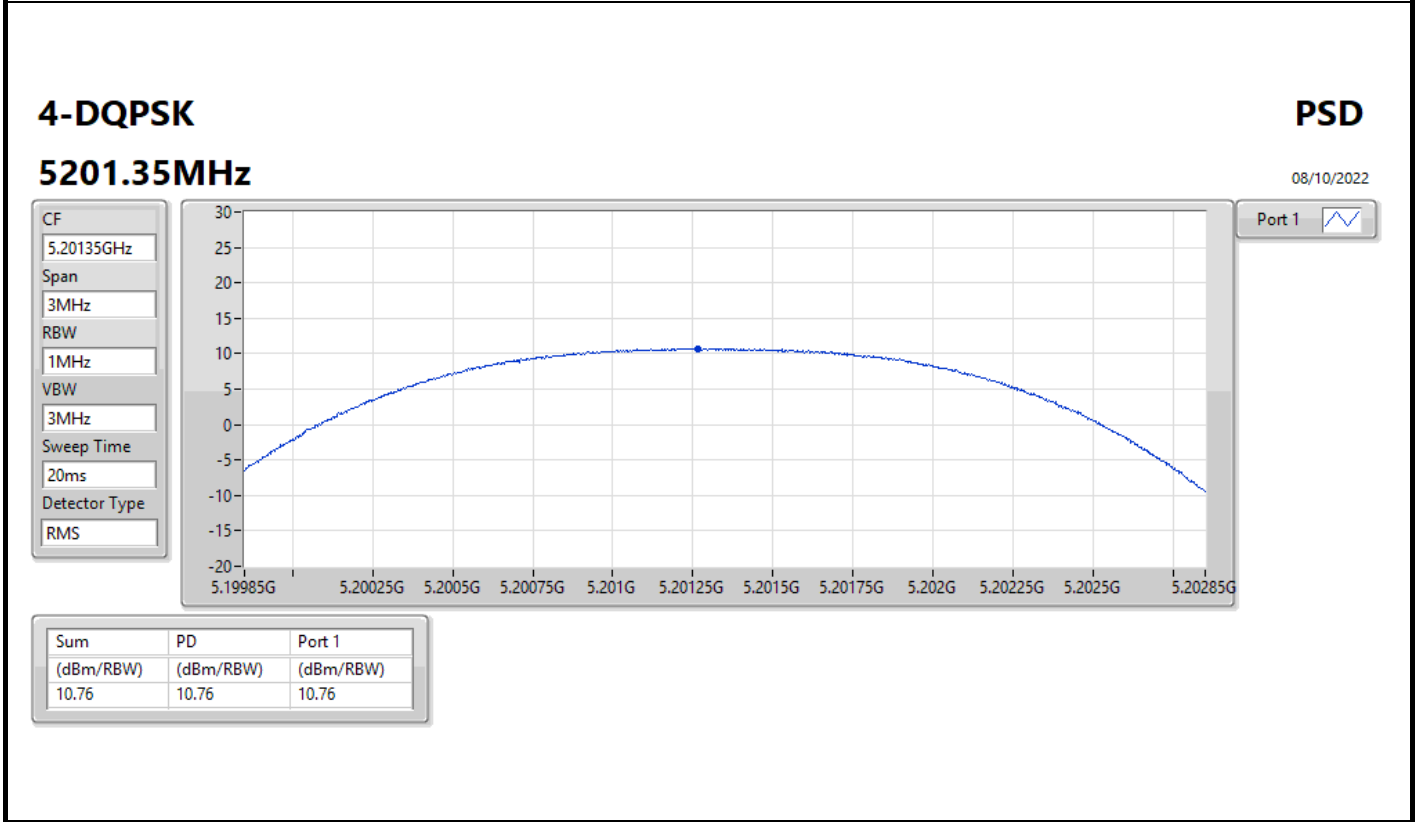
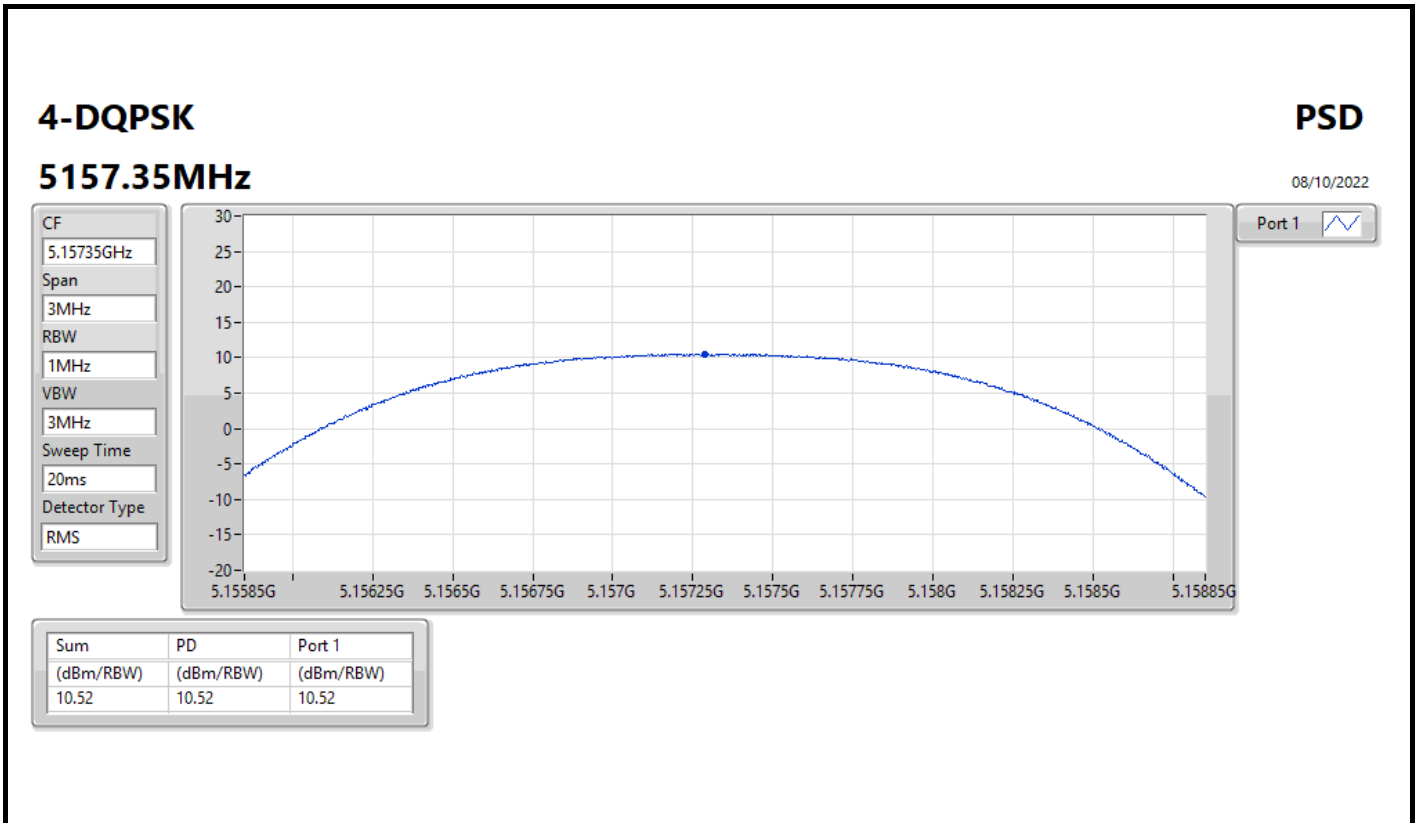


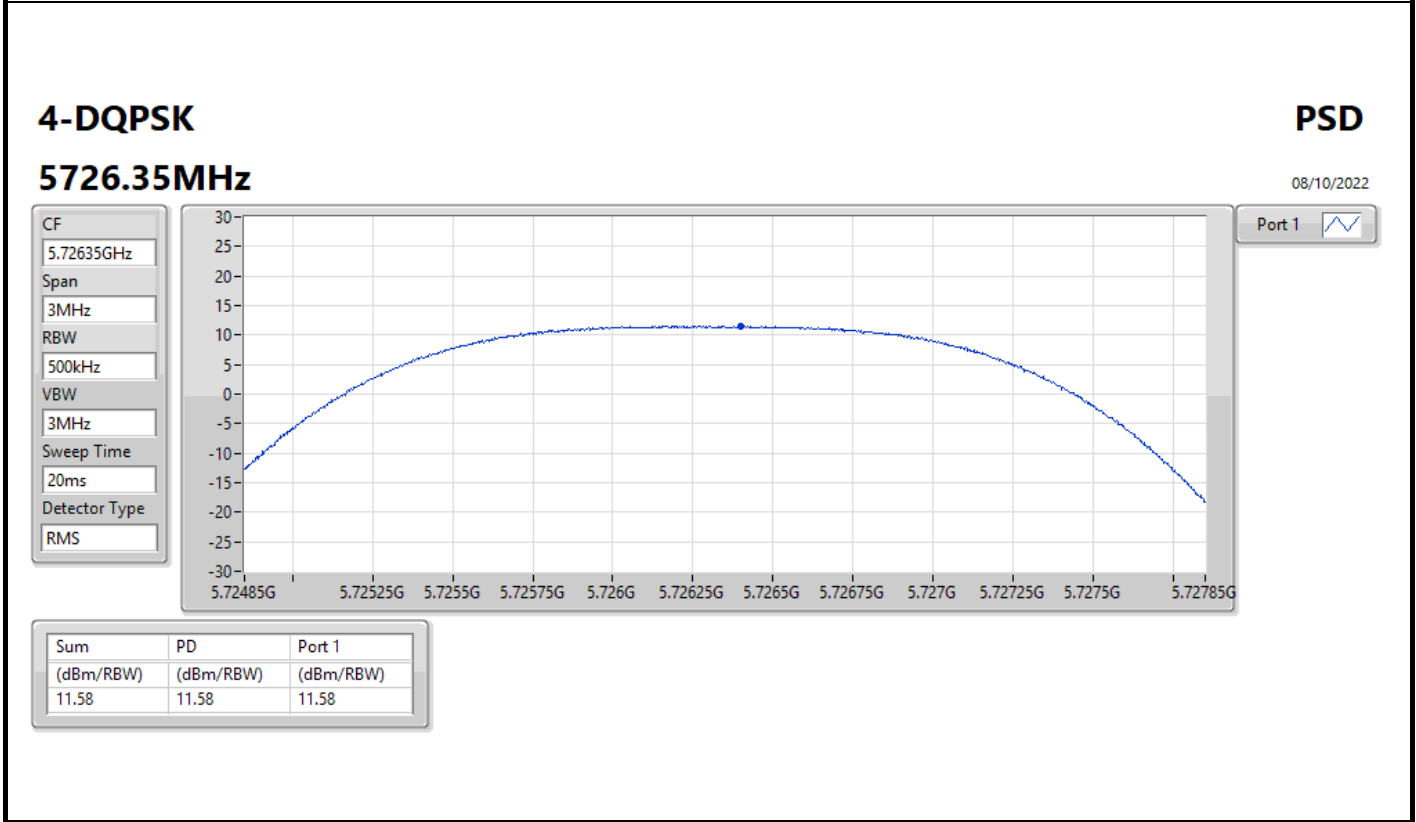
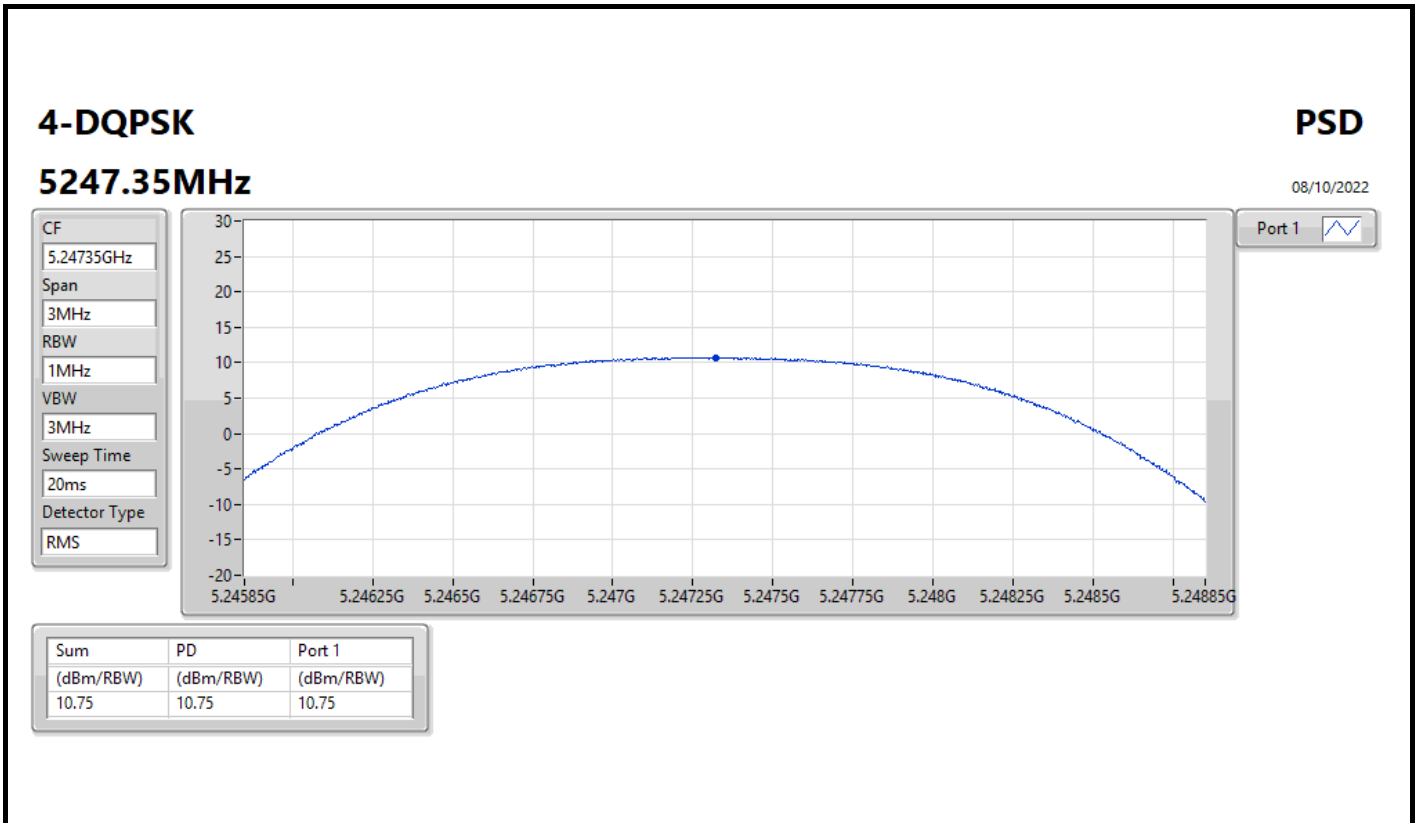
Result

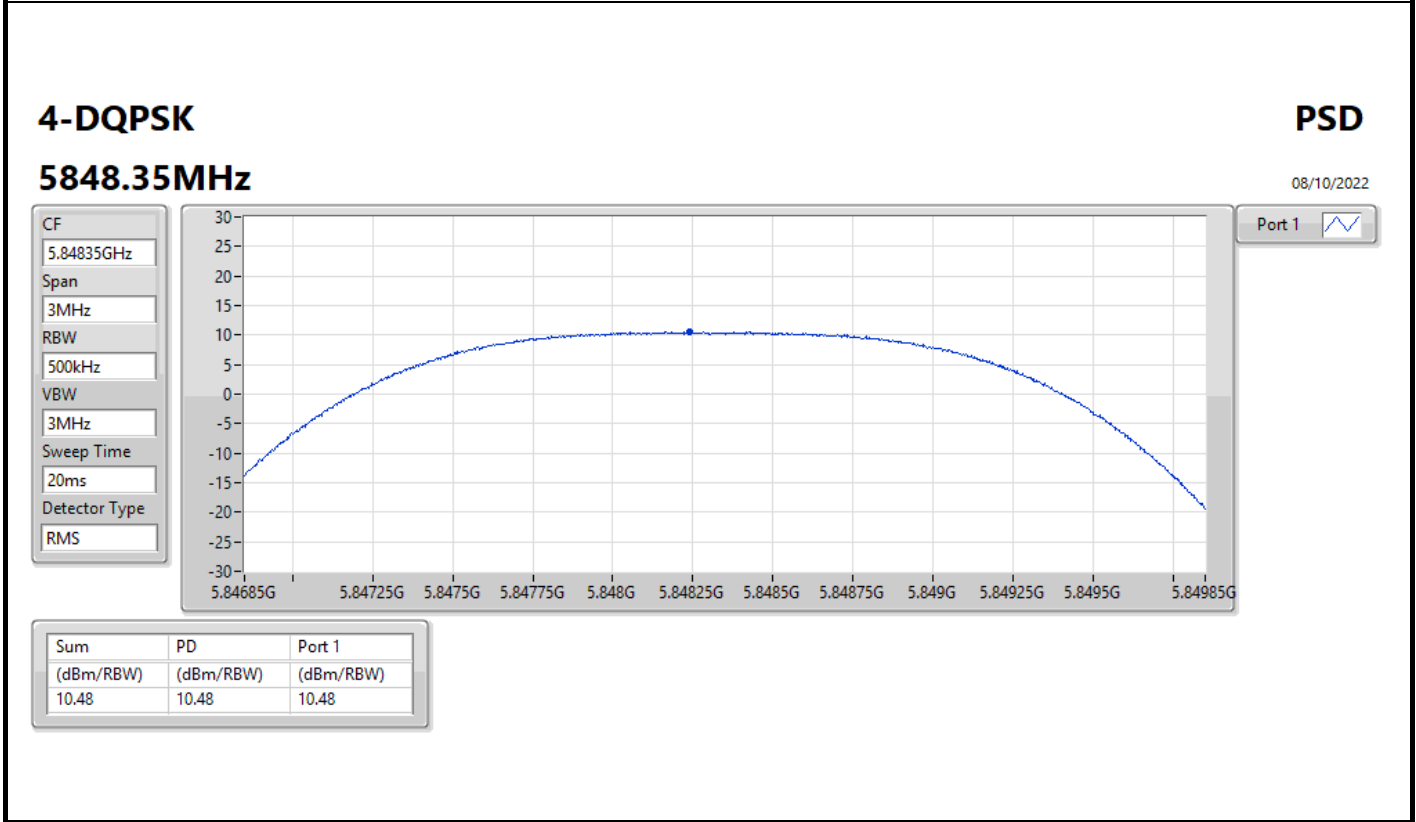
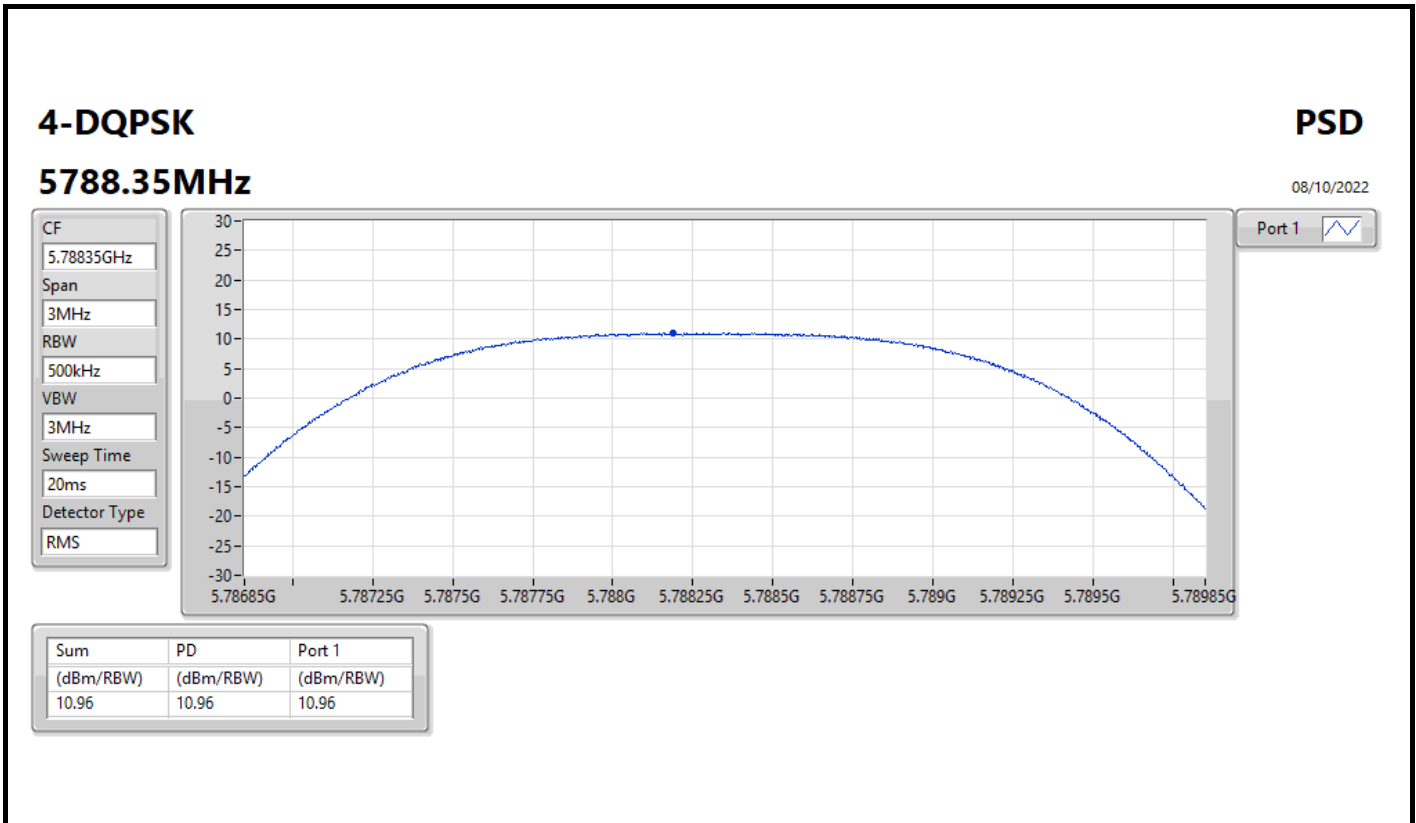
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
4-QPSK	-	-	-	-	-
5157.35MHz	Pass	4.32	10.52	10.52	11.00
5201.35MHz	Pass	4.32	10.76	10.76	11.00
5247.35MHz	Pass	4.32	10.75	10.75	11.00
5726.35MHz	Pass	4.90	11.58	11.58	30.00
5788.35MHz	Pass	4.90	10.96	10.96	30.00
5848.35MHz	Pass	4.90	10.48	10.48	30.00
4-QPSK	-	-	-	-	-
5160.35MHz	Pass	4.32	9.01	9.01	11.00
5202.35MHz	Pass	4.32	9.50	9.50	11.00
5246.35MHz	Pass	4.32	10.18	10.18	11.00
5727.35MHz	Pass	4.90	8.39	8.39	30.00
5787.35MHz	Pass	4.90	7.99	7.99	30.00
5847.35MHz	Pass	4.90	6.66	6.66	30.00

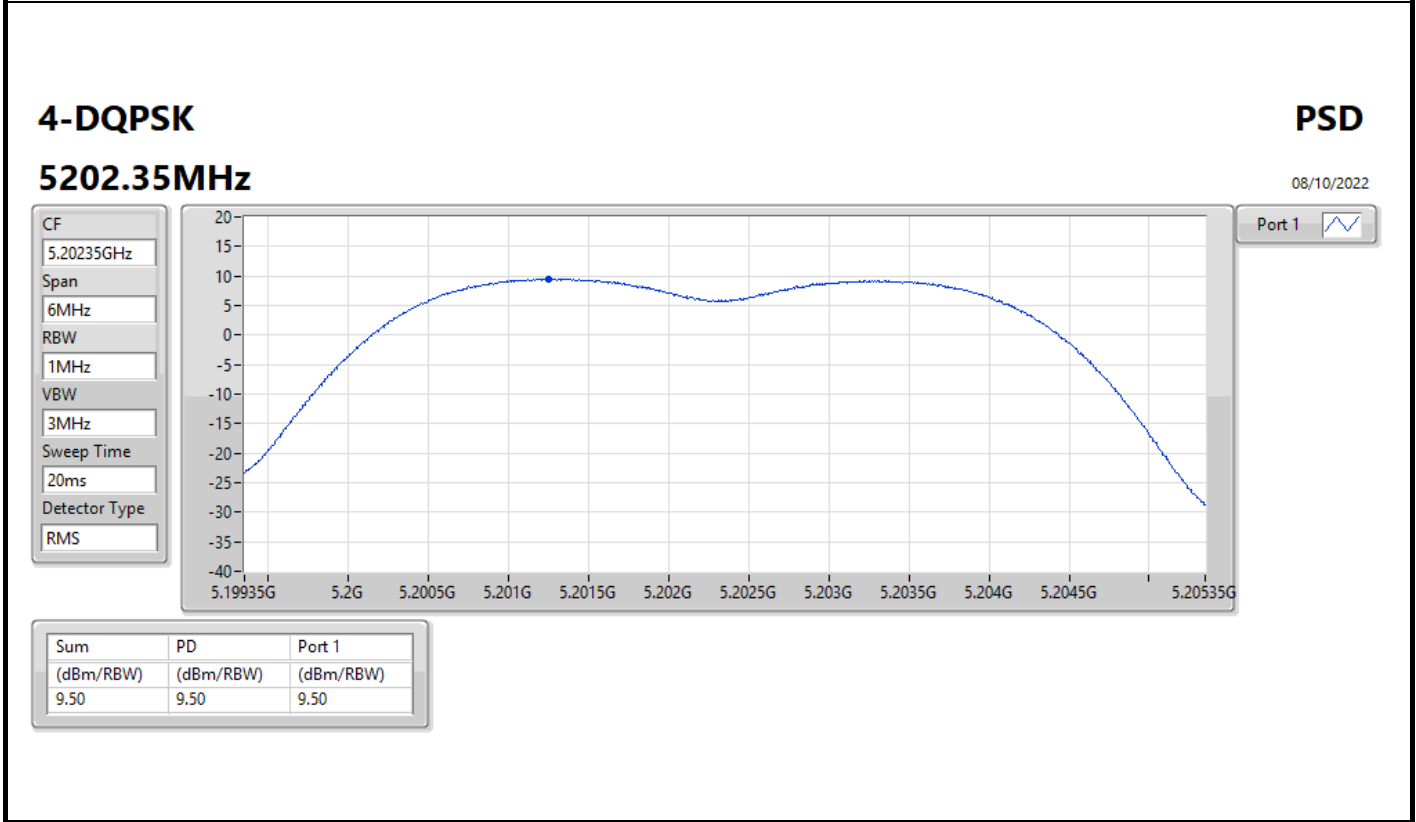
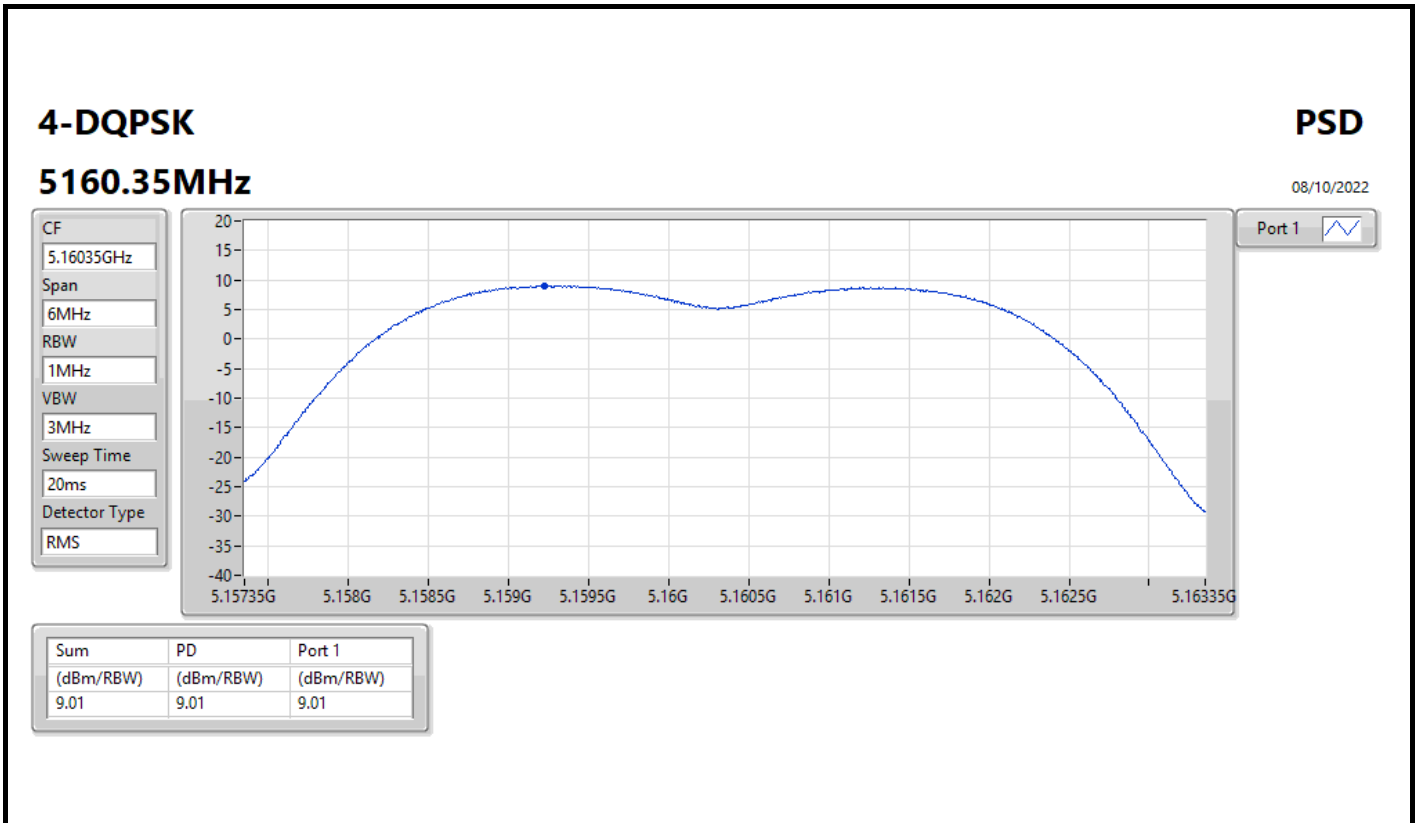
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;  
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

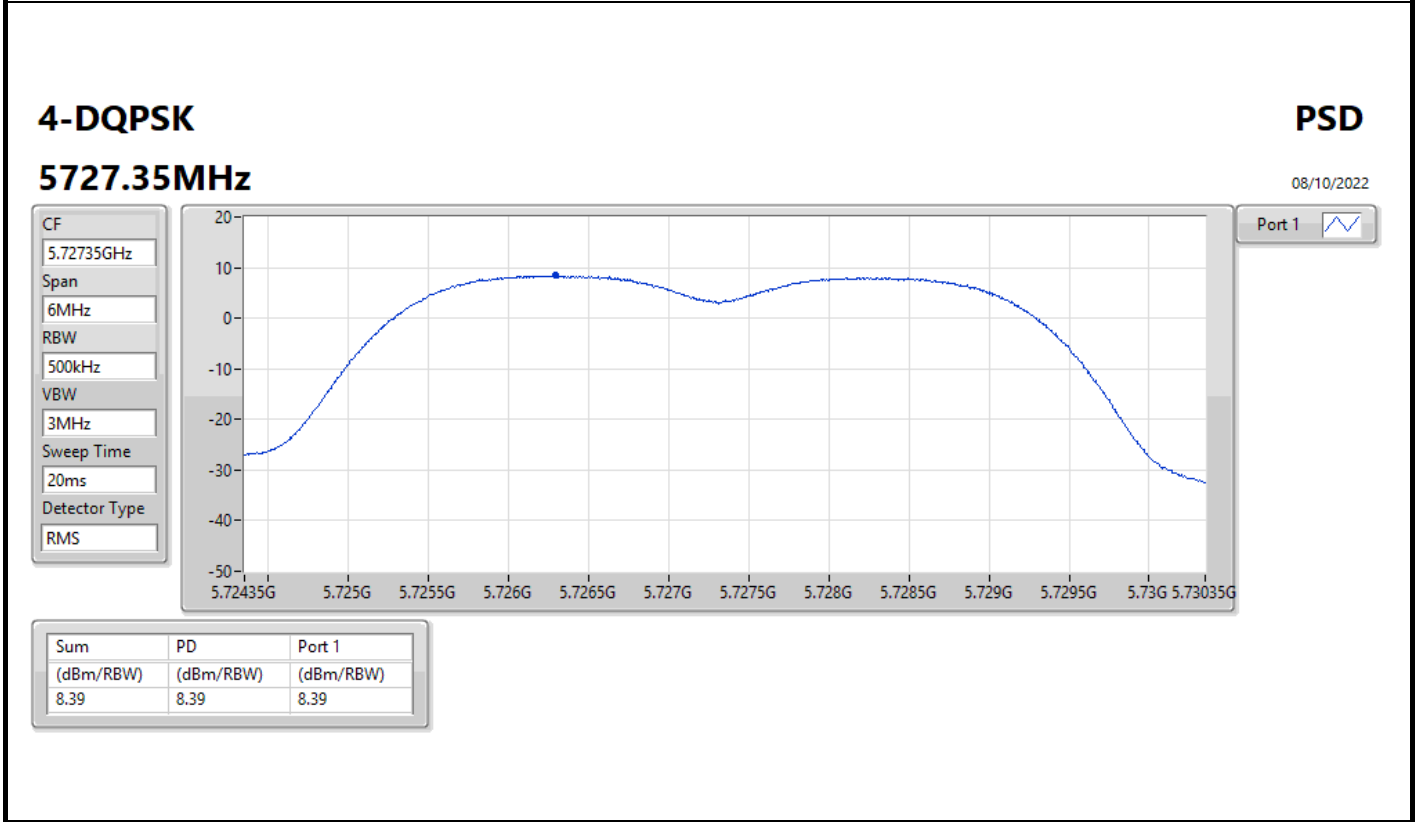
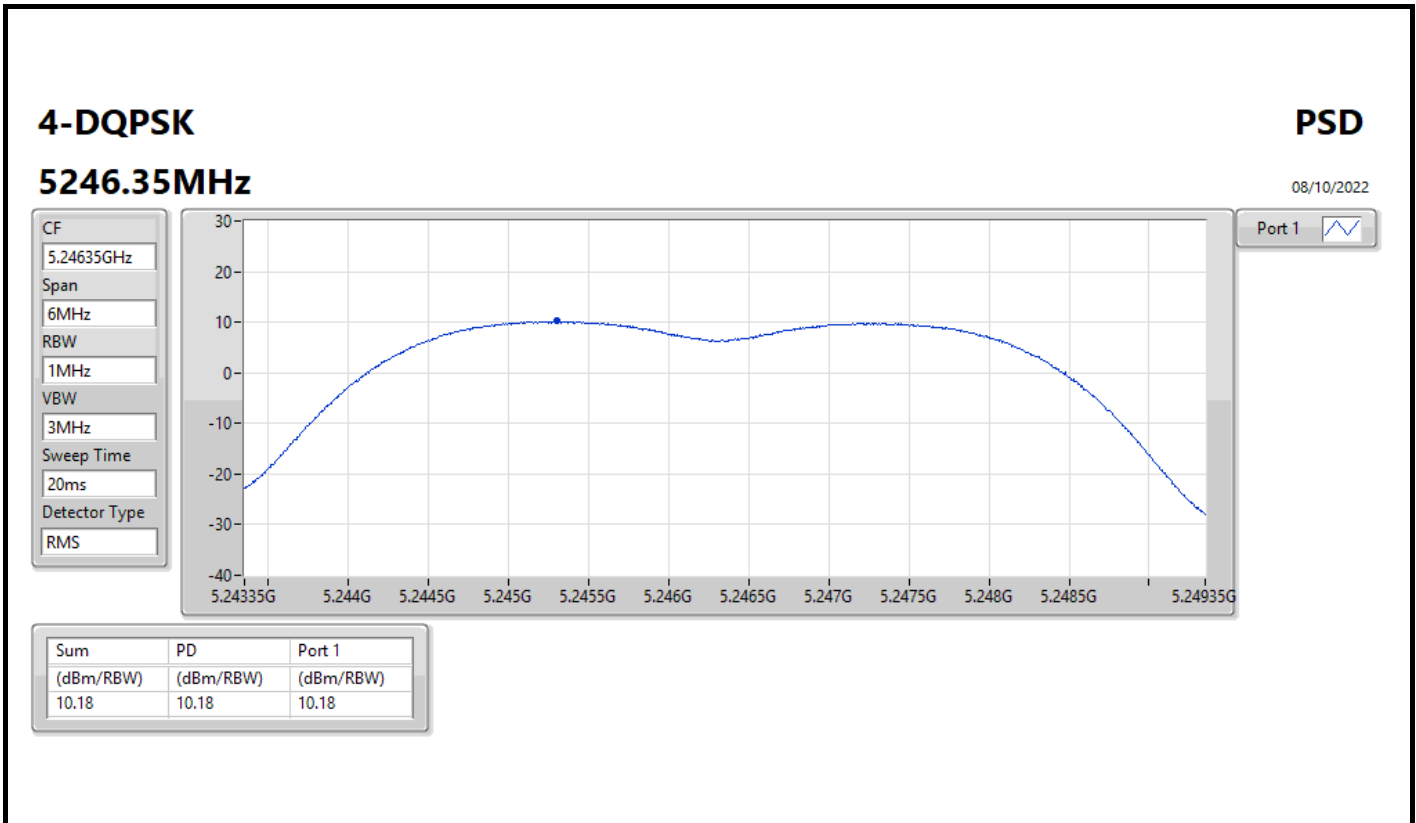


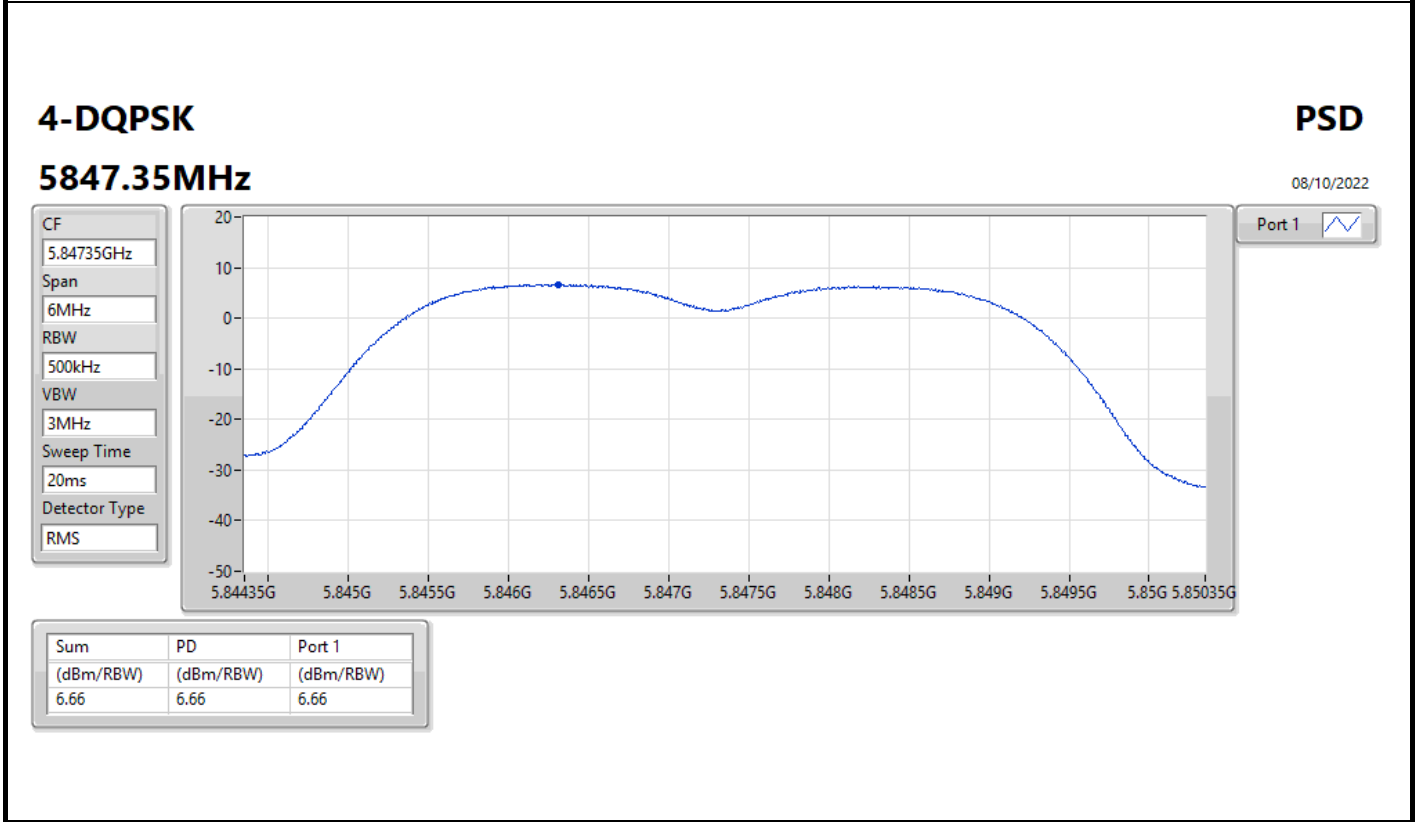
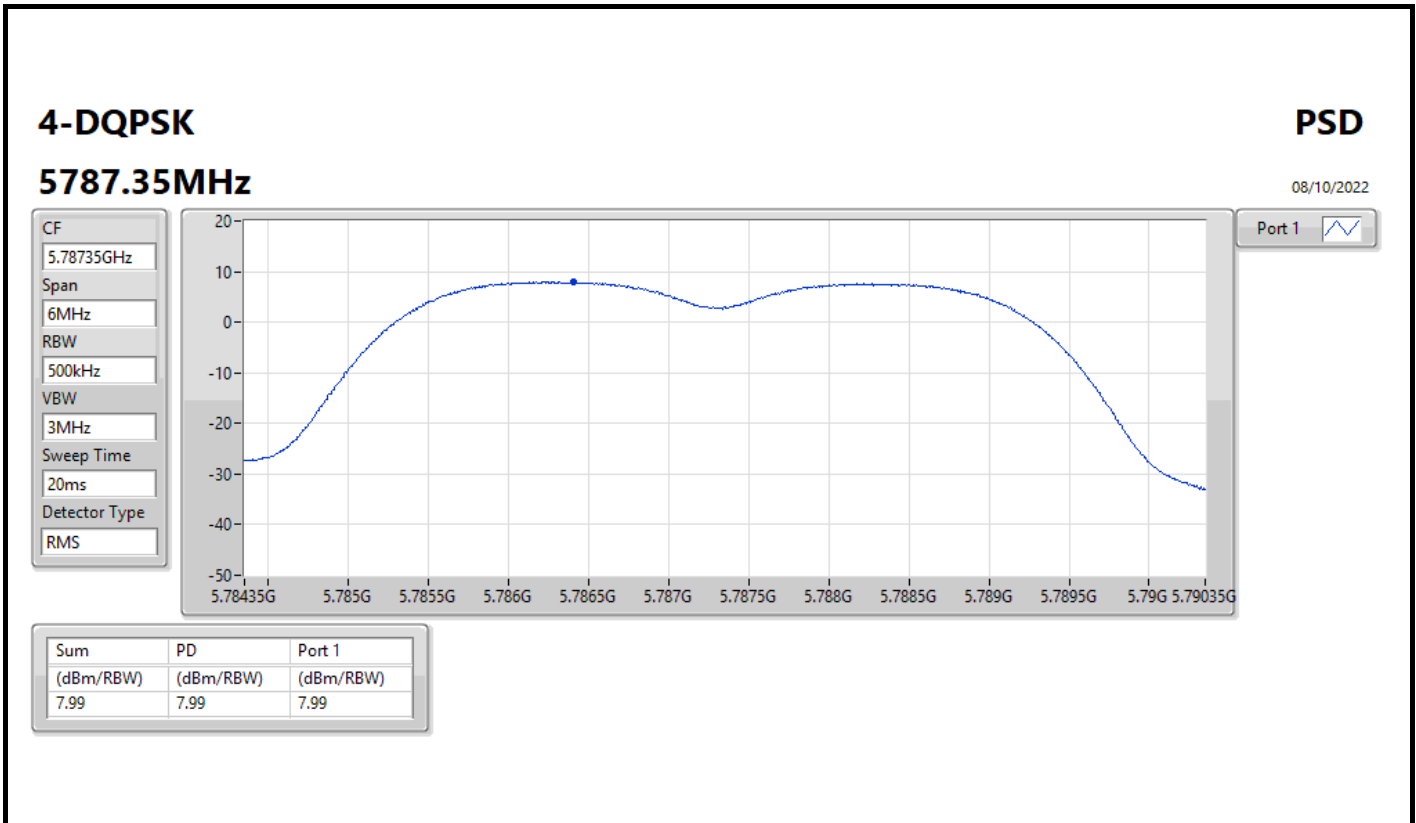














Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.85-5.895GHz	-	-
4-DQPSK	9.44	13.94
4-DQPSK	8.62	13.12

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)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
4-DQPSK	-	-	-	-	-	-	-
5850.35MHz	Pass	4.50	9.18	9.18	Inf	13.68	14.00
5860.35MHz	Pass	4.50	9.38	9.38	Inf	13.88	14.00
5874.35MHz	Pass	4.50	9.44	9.44	Inf	13.94	14.00
4-DQPSK	-	-	-	-	-	-	-
5849.35MHz	Pass	4.50	8.62	8.62	Inf	13.12	14.00
5861.35MHz	Pass	4.50	8.43	8.43	Inf	12.93	14.00
5875.35MHz	Pass	4.50	8.31	8.31	Inf	12.81	14.00

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 X Power Density;



4-DQPSK

PSD

5850.35MHz

08/10/2022

CF  
5.85035GHz

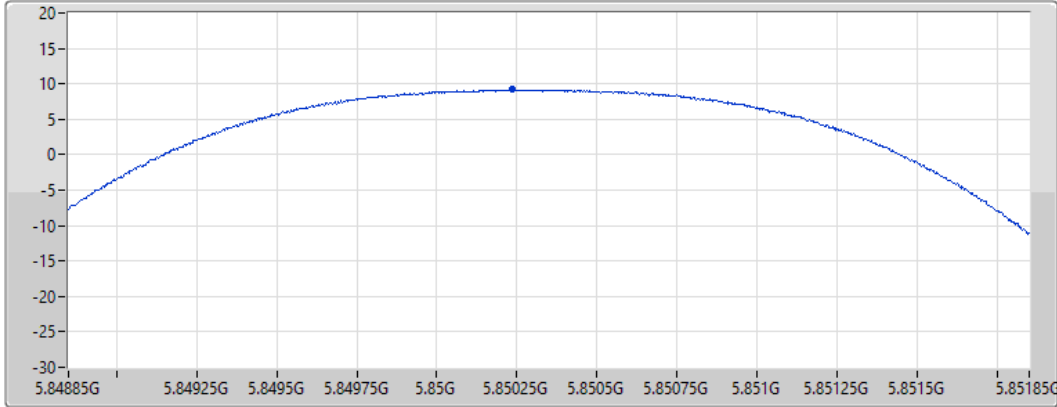
Span  
3MHz


RBW  
1MHz

VBW  
3MHz

Sweep Time  
20ms

Detector Type  
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.18	9.18	9.18

4-DQPSK

PSD

5860.35MHz

08/10/2022

CF  
5.86035GHz

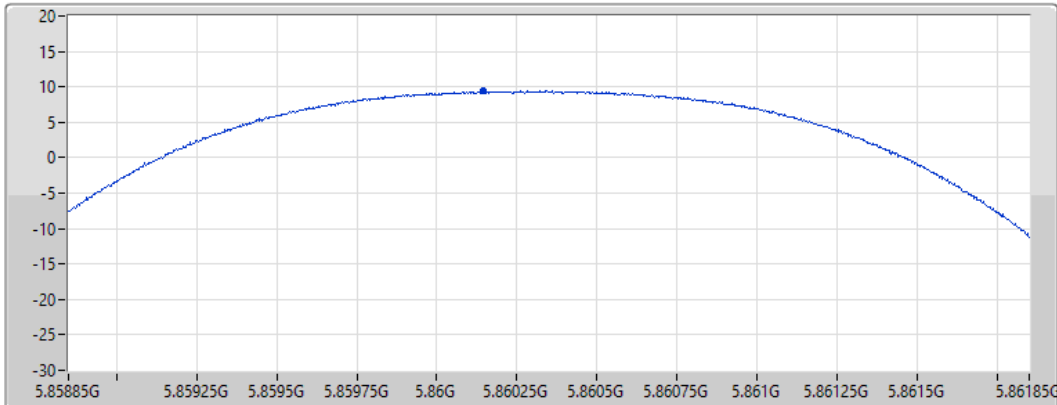
Span  
3MHz


RBW  
1MHz

VBW  
3MHz

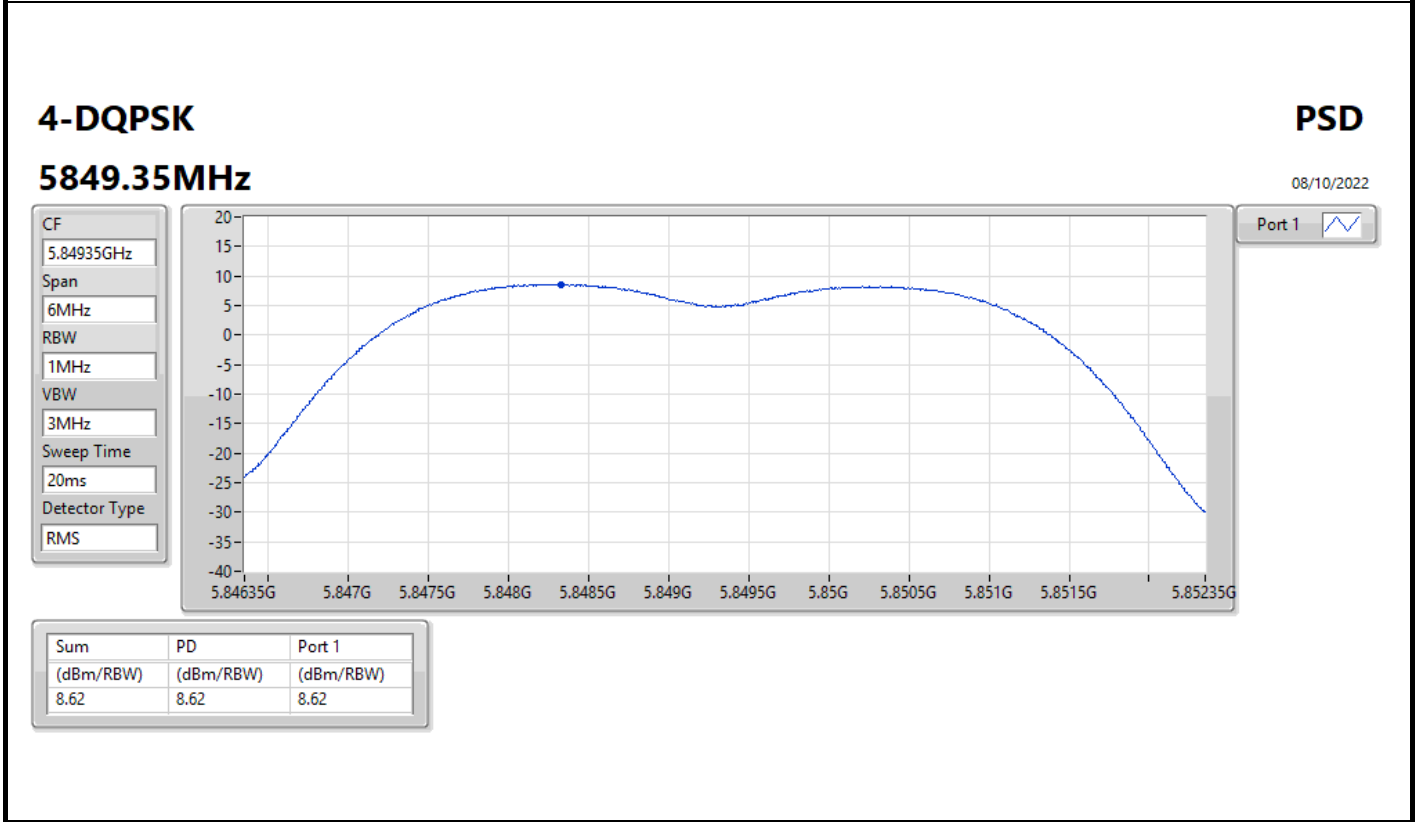
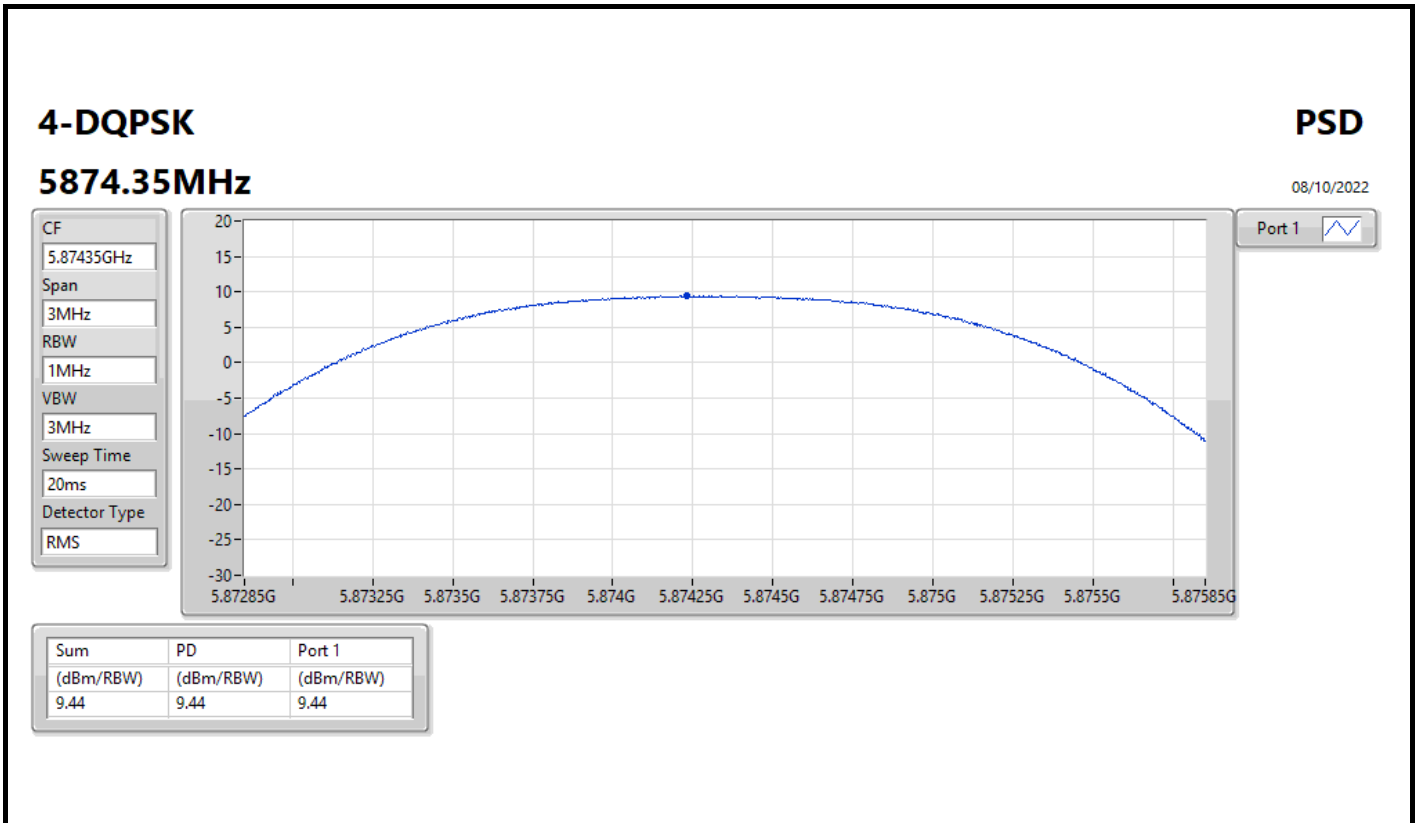
Sweep Time  
20ms

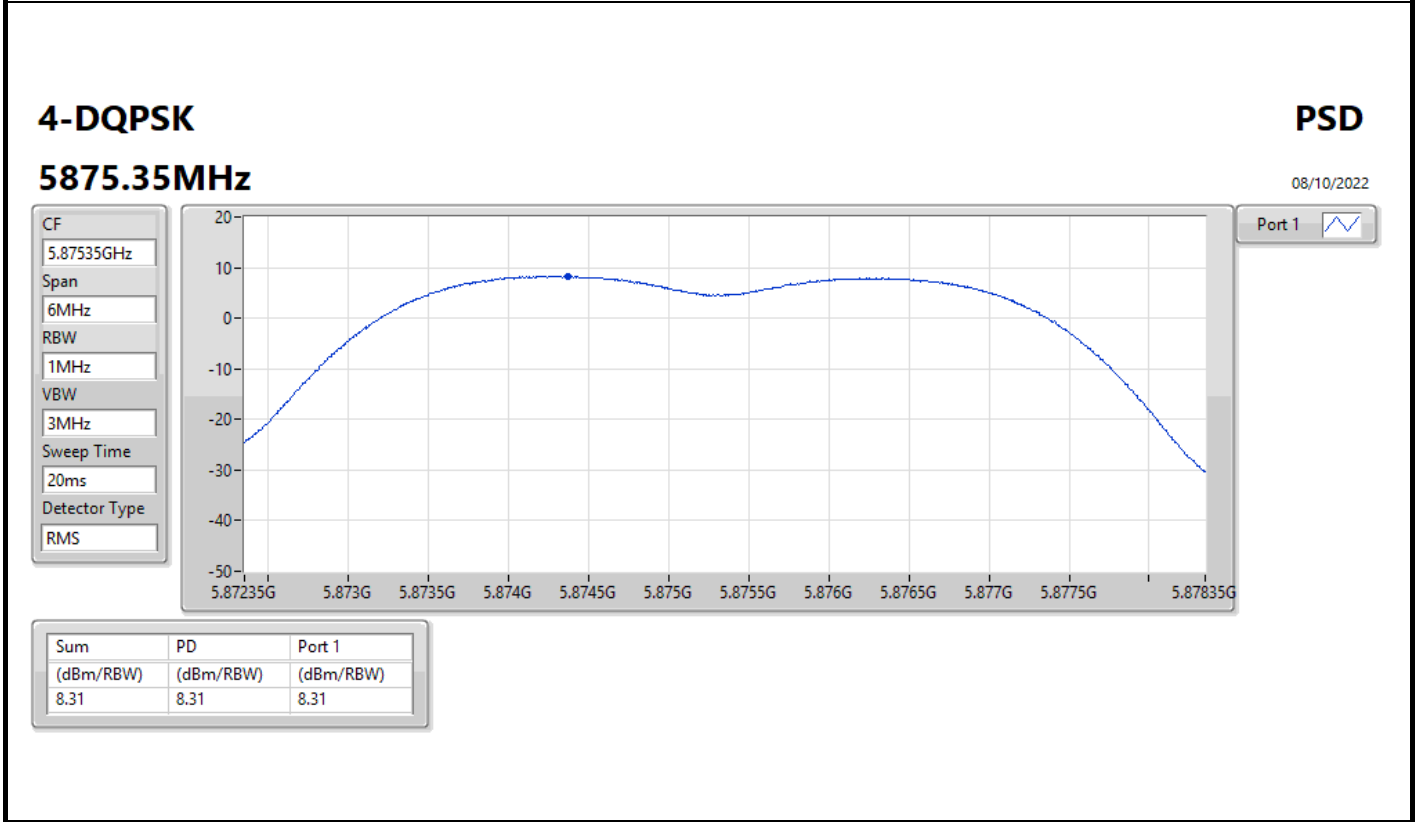
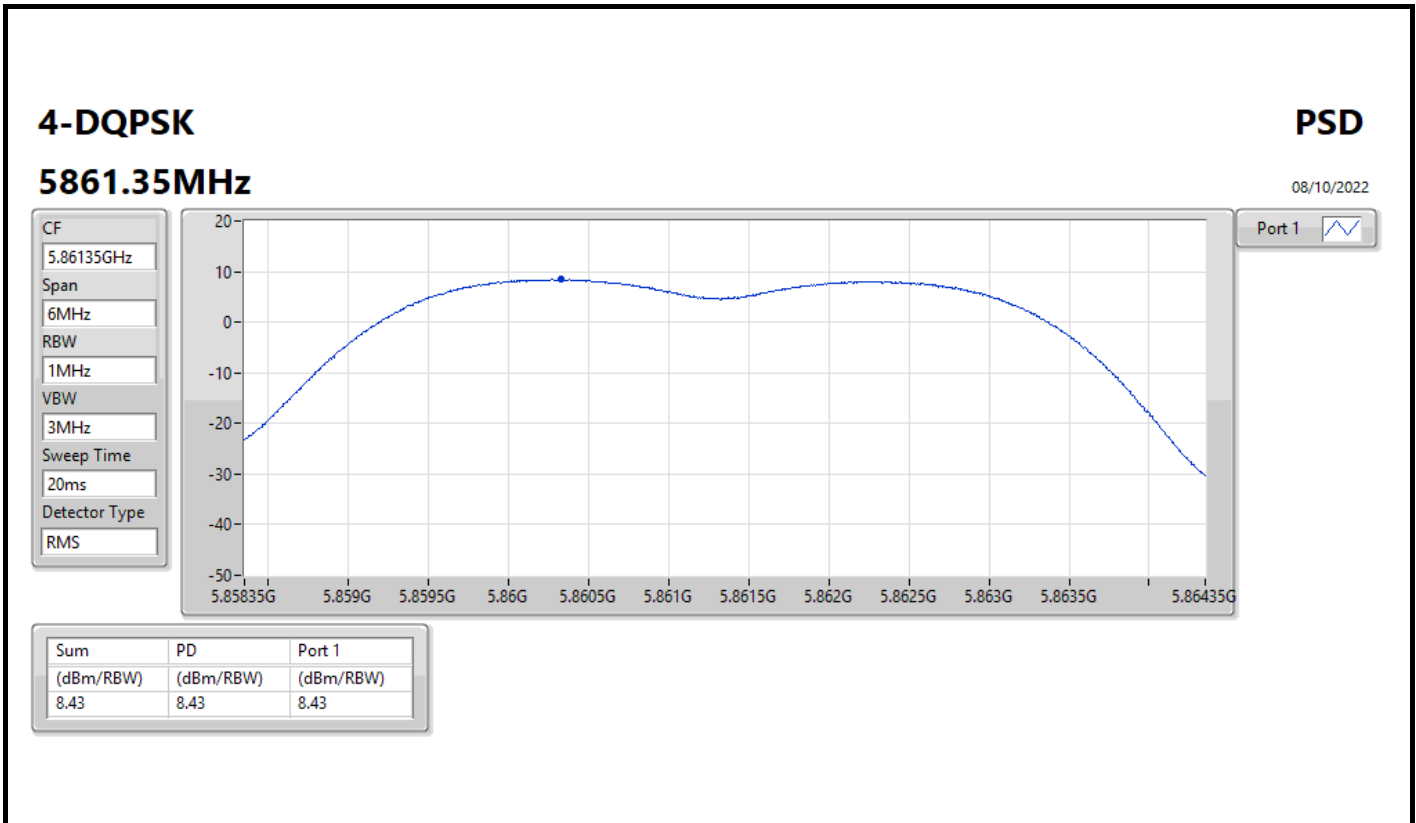
Detector Type  
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.38	9.38	9.38







Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
4-DQPSK	10.76
4-DQPSK	10.18
5.725-5.85GHz	-
4-DQPSK	11.58
4-DQPSK	8.39

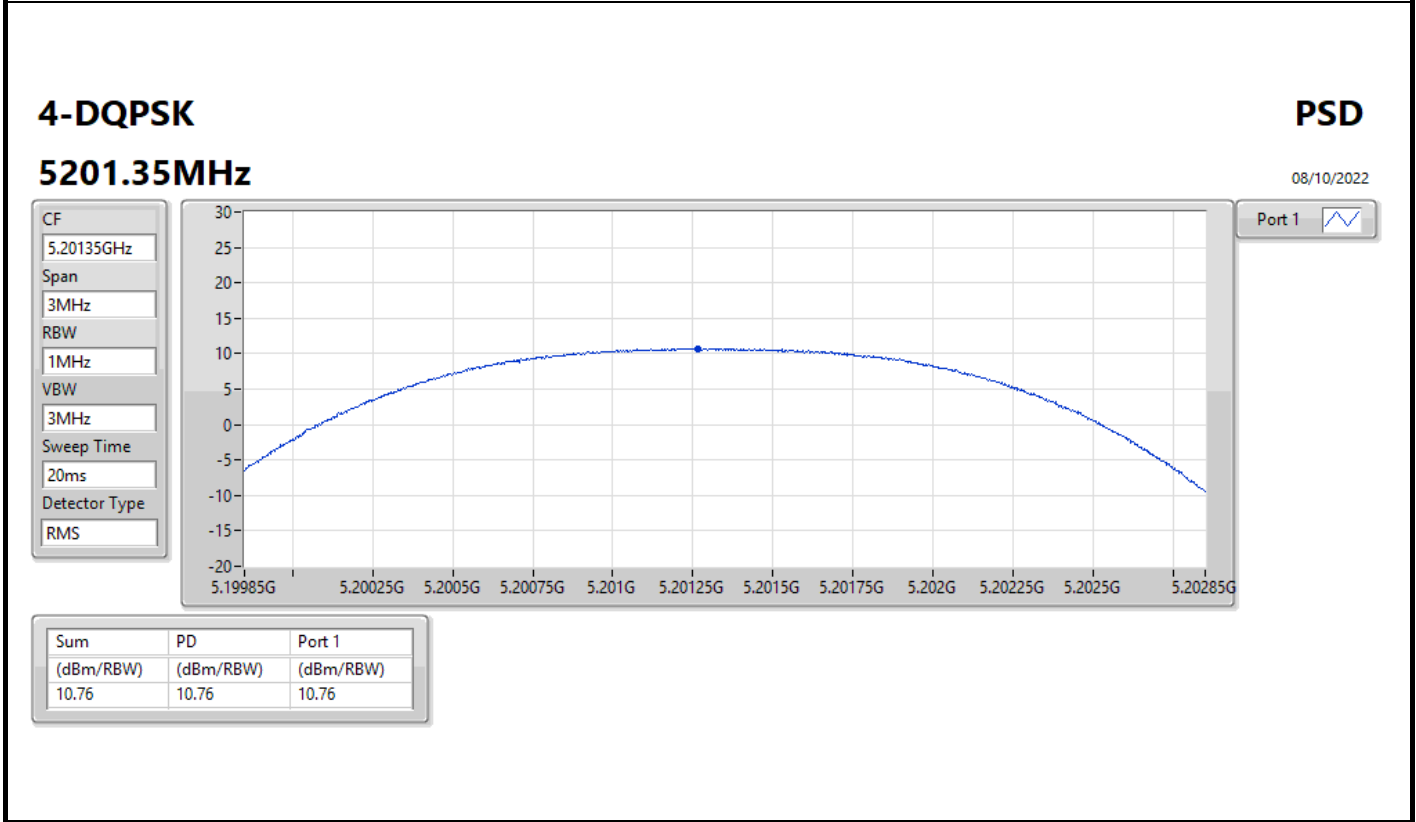
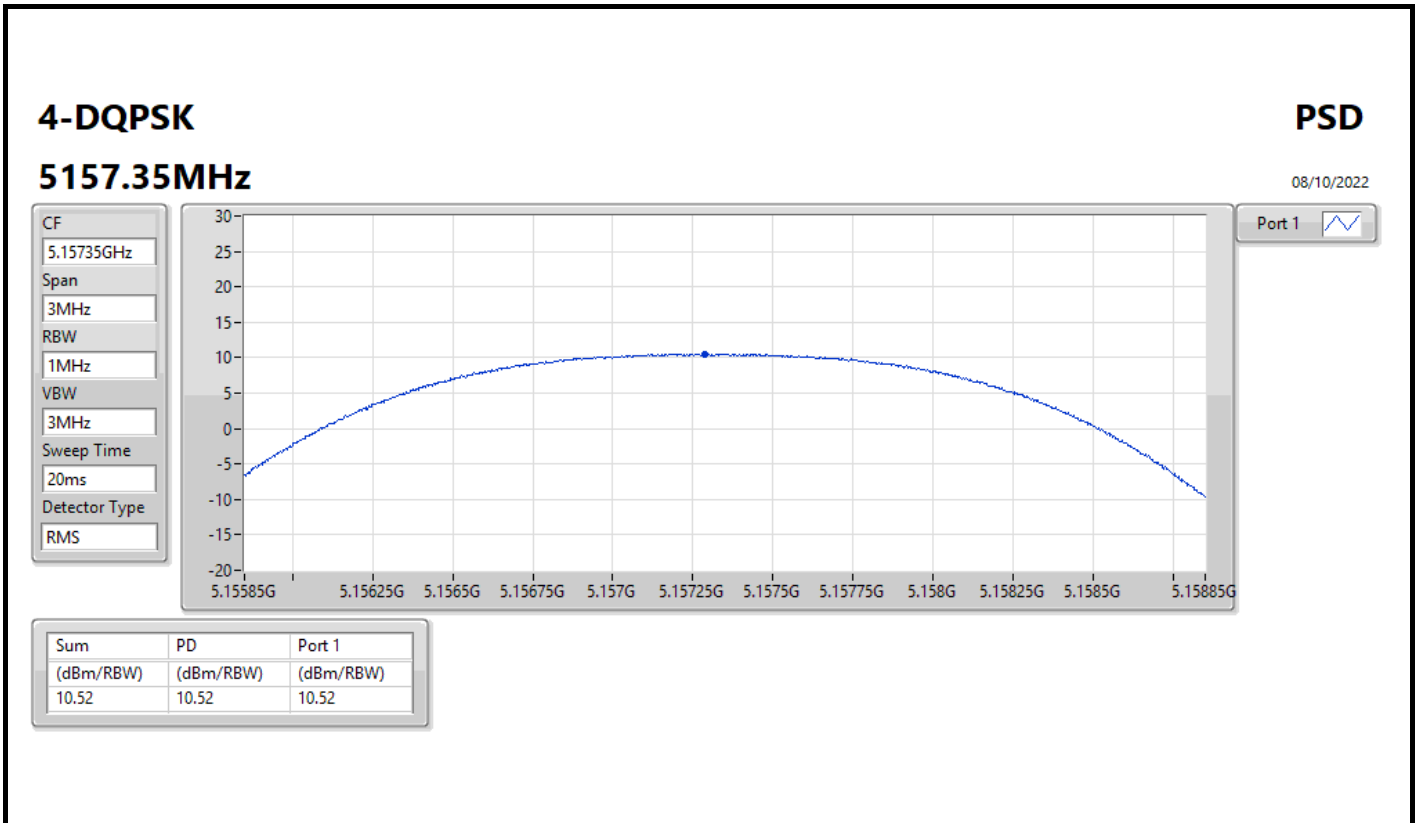
RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

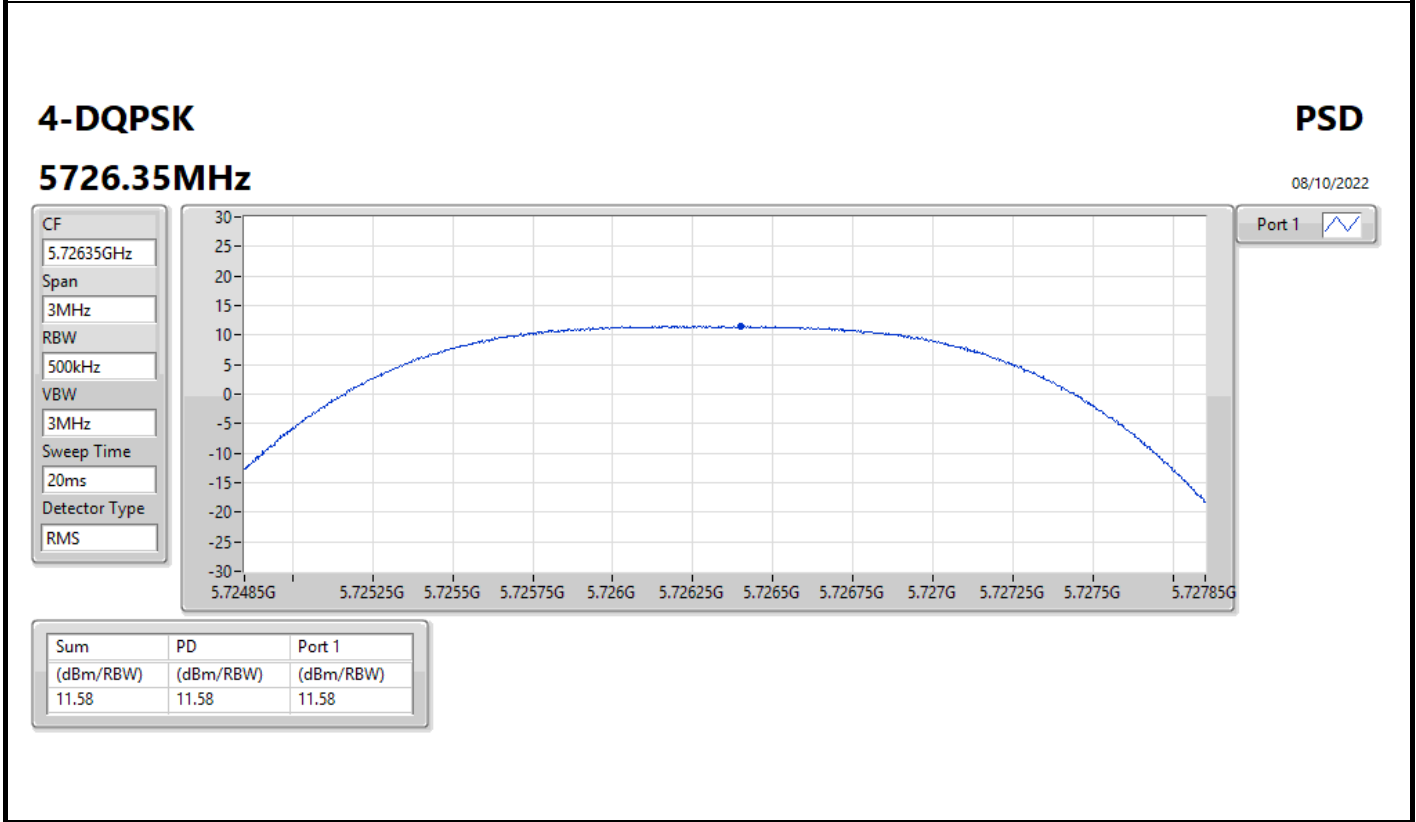
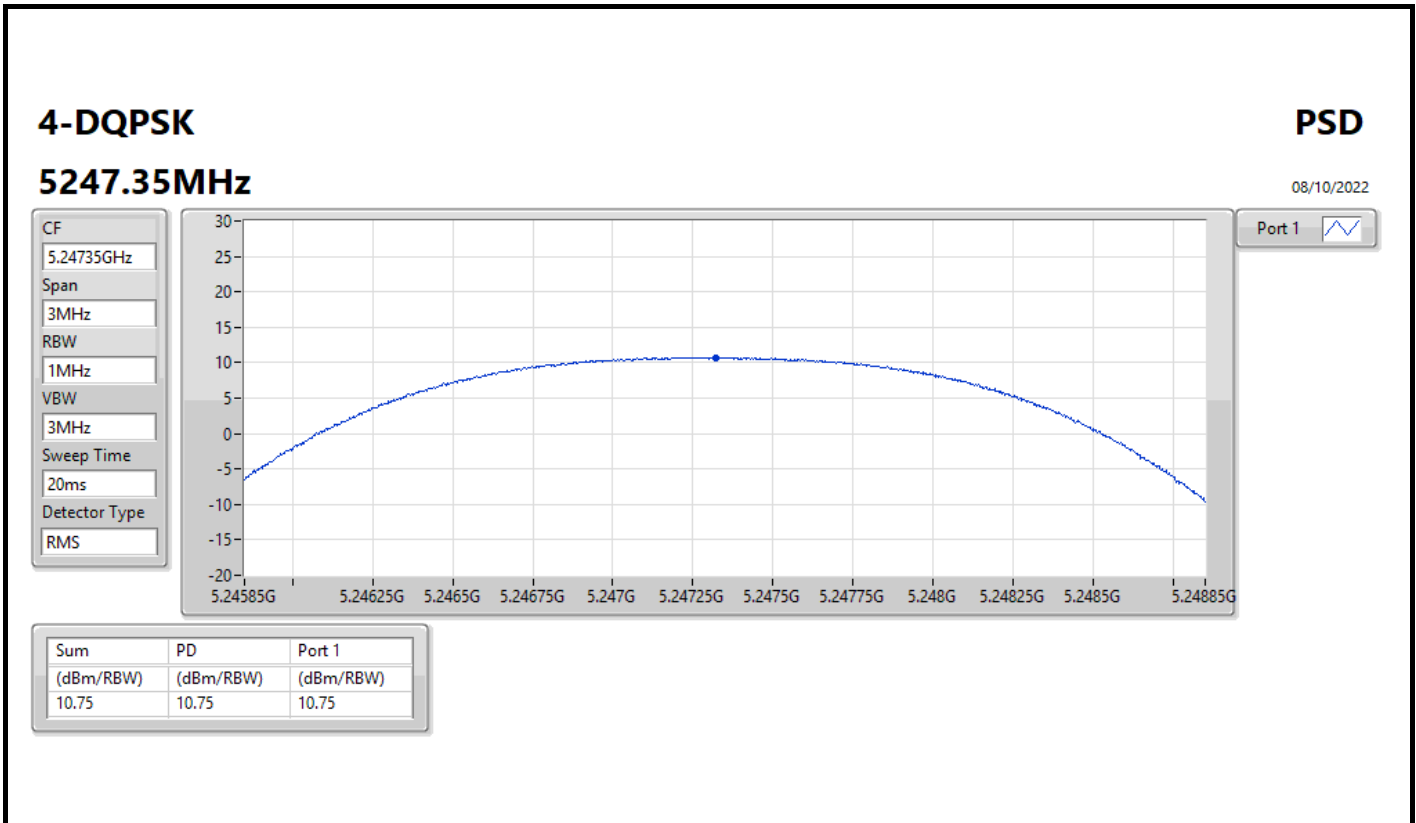


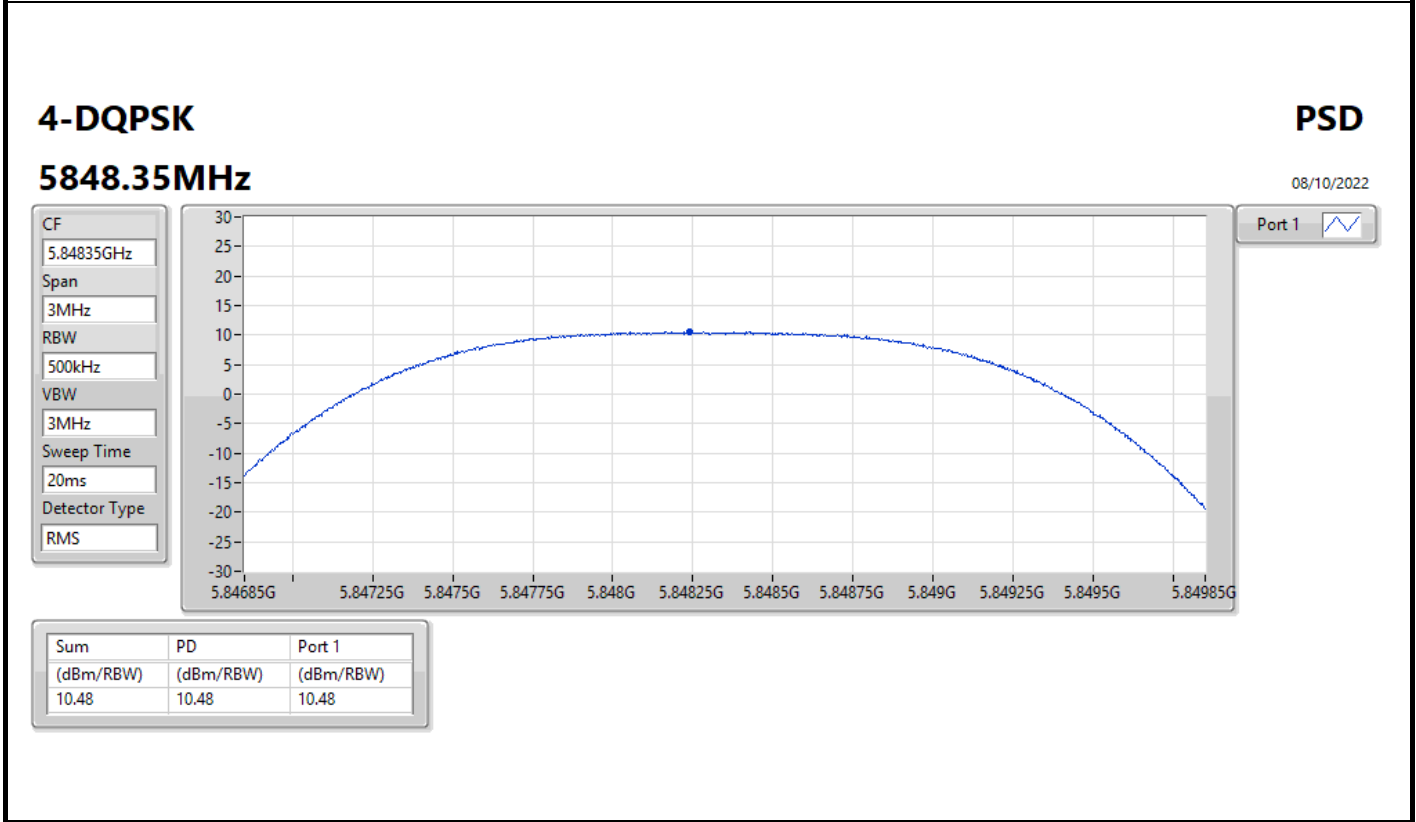
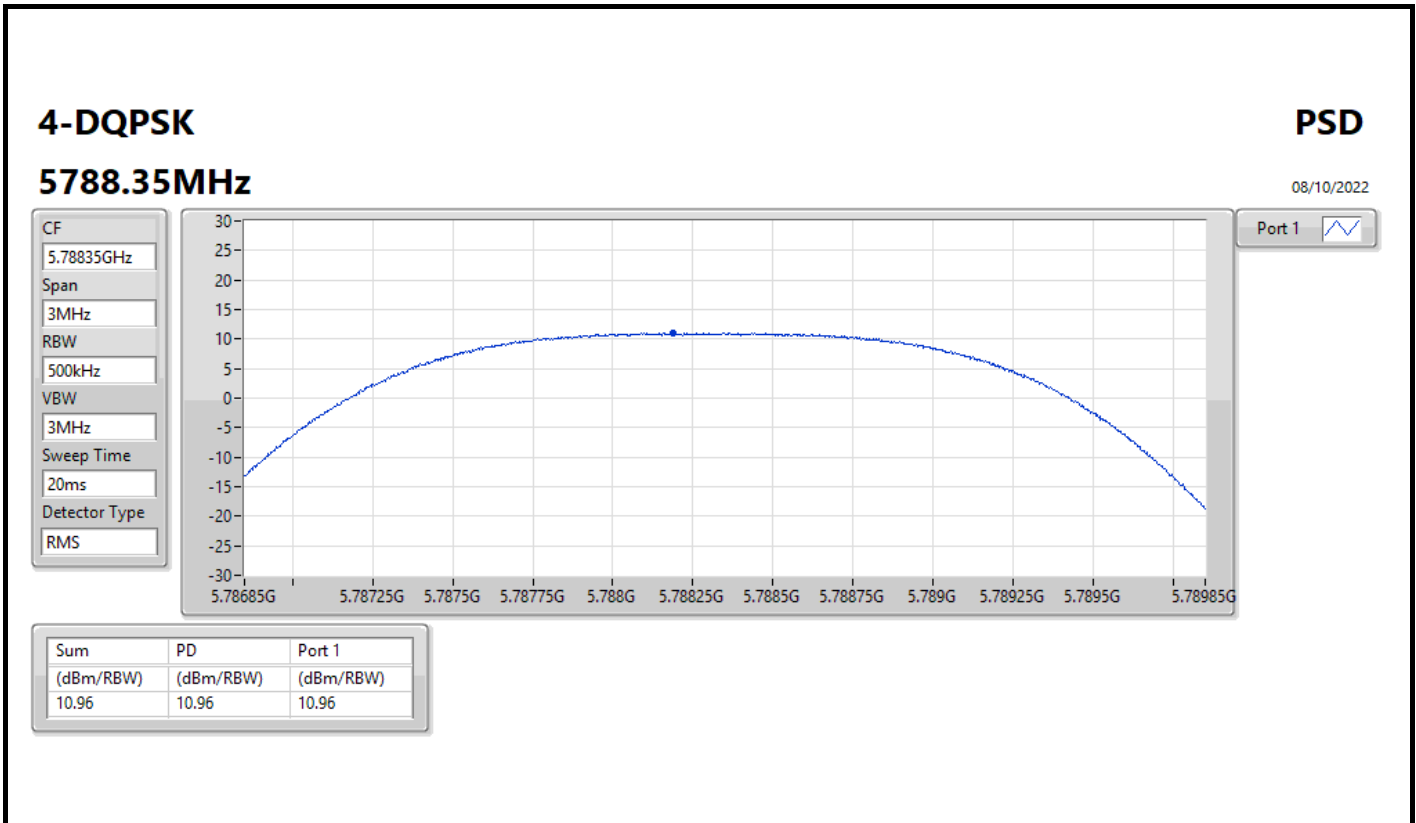
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
4-DQPSK	-	-	-	-	-
5157.35MHz	Pass	3.03	10.52	10.52	11.00
5201.35MHz	Pass	3.03	10.76	10.76	11.00
5247.35MHz	Pass	3.03	10.75	10.75	11.00
5726.35MHz	Pass	4.23	11.58	11.58	30.00
5788.35MHz	Pass	4.23	10.96	10.96	30.00
5848.35MHz	Pass	4.23	10.48	10.48	30.00
4-DQPSK	-	-	-	-	-
5160.35MHz	Pass	3.03	9.01	9.01	11.00
5202.35MHz	Pass	3.03	9.50	9.50	11.00
5246.35MHz	Pass	3.03	10.18	10.18	11.00
5727.35MHz	Pass	4.23	8.39	8.39	30.00
5787.35MHz	Pass	4.23	7.99	7.99	30.00
5847.35MHz	Pass	4.23	6.66	6.66	30.00

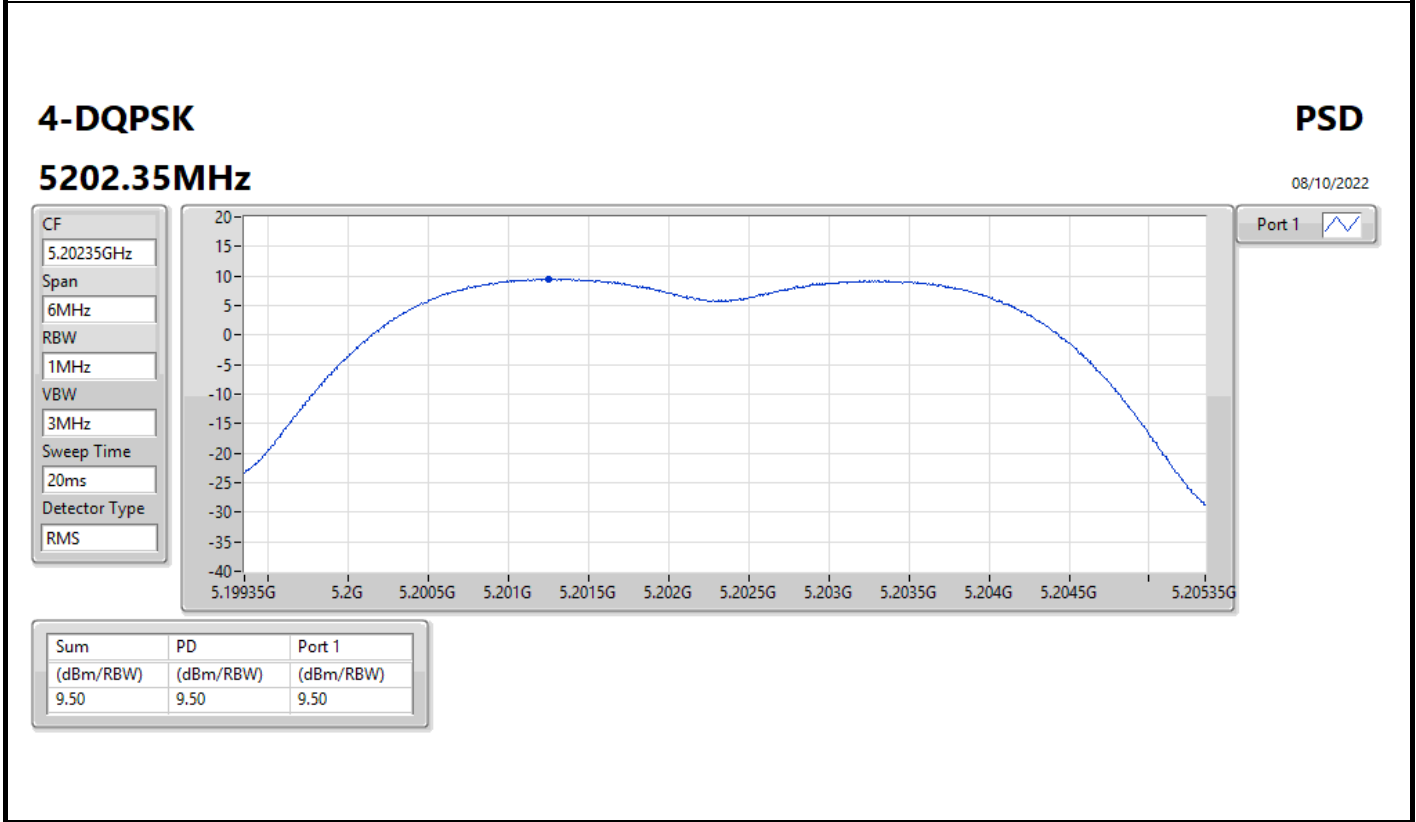
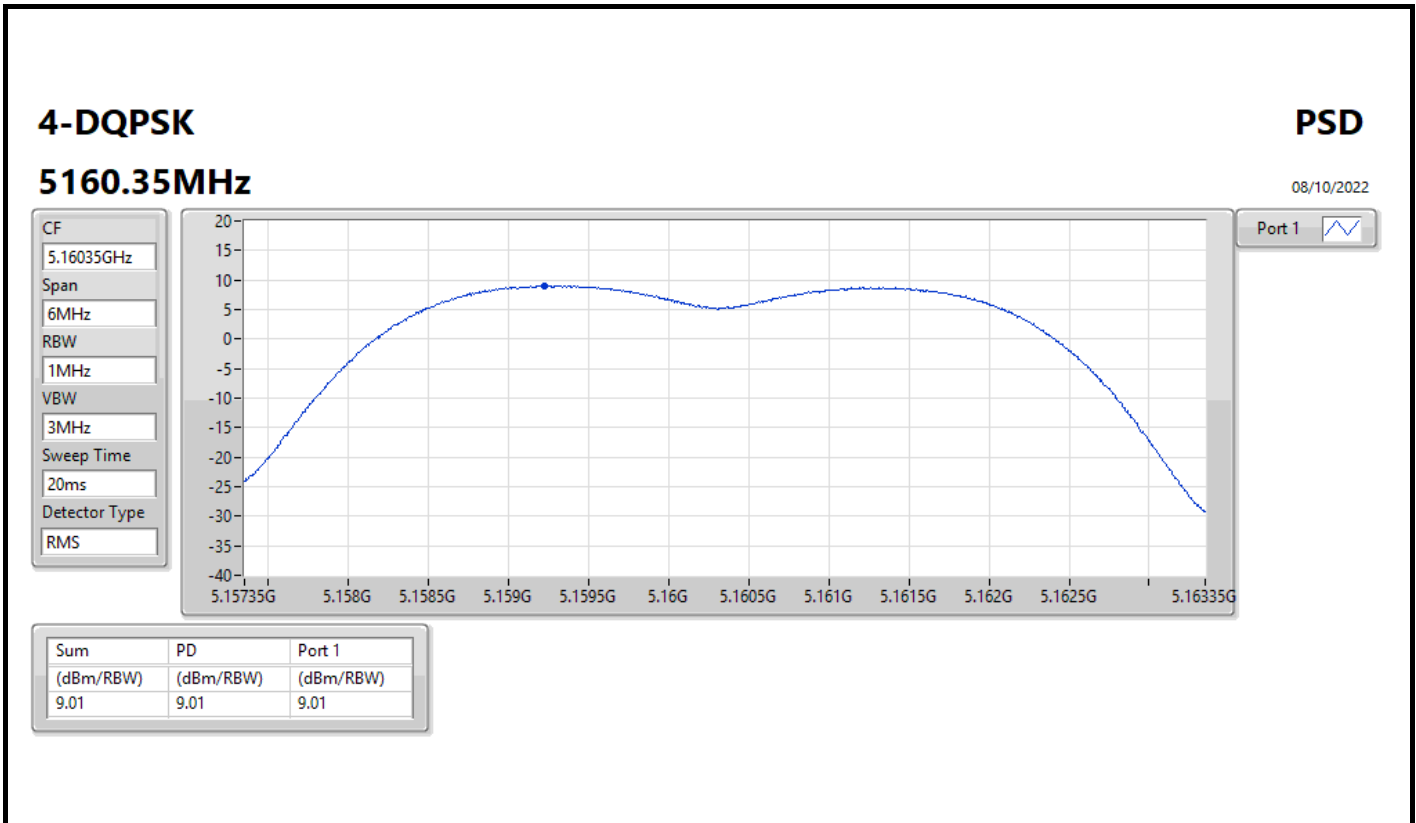
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;  
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

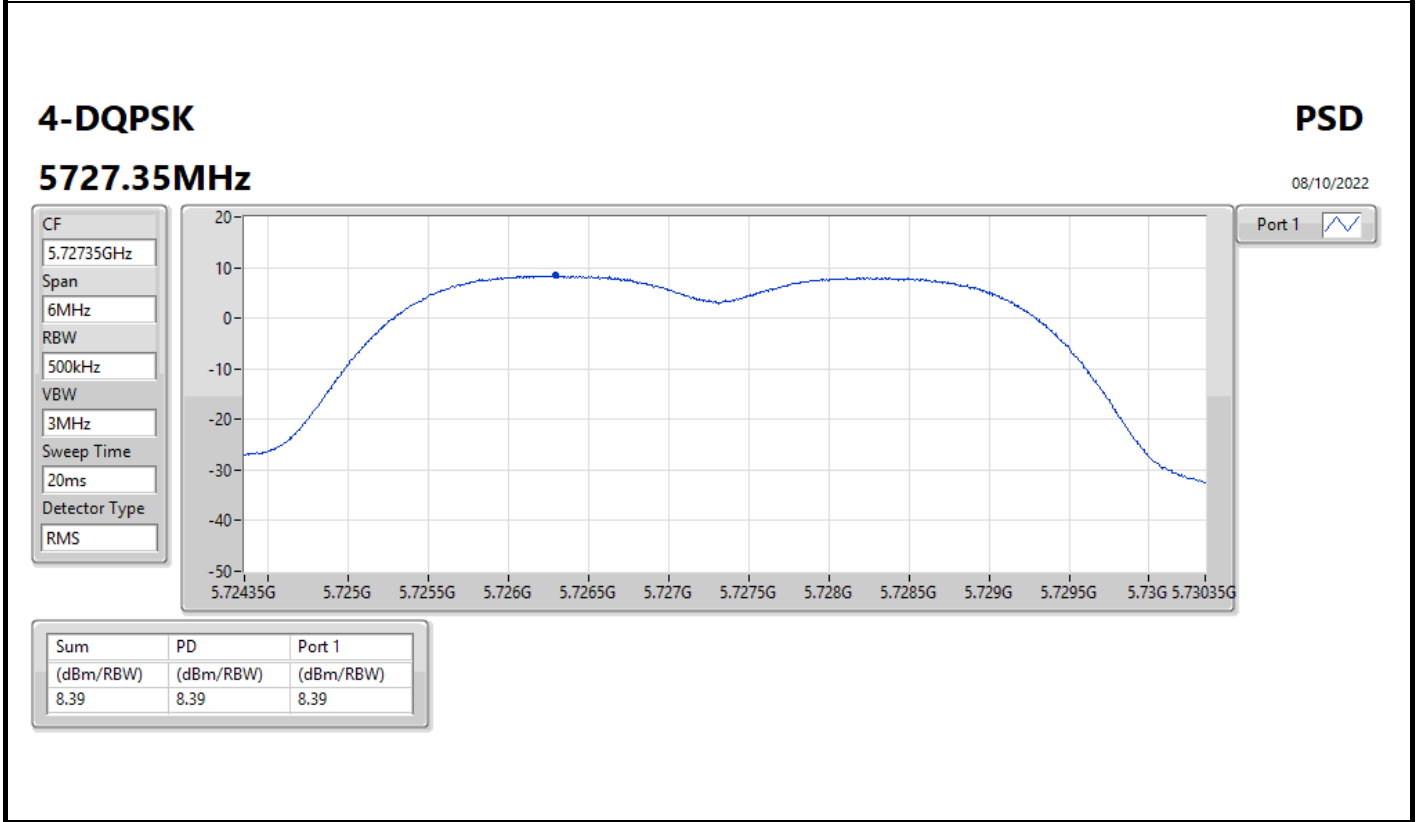
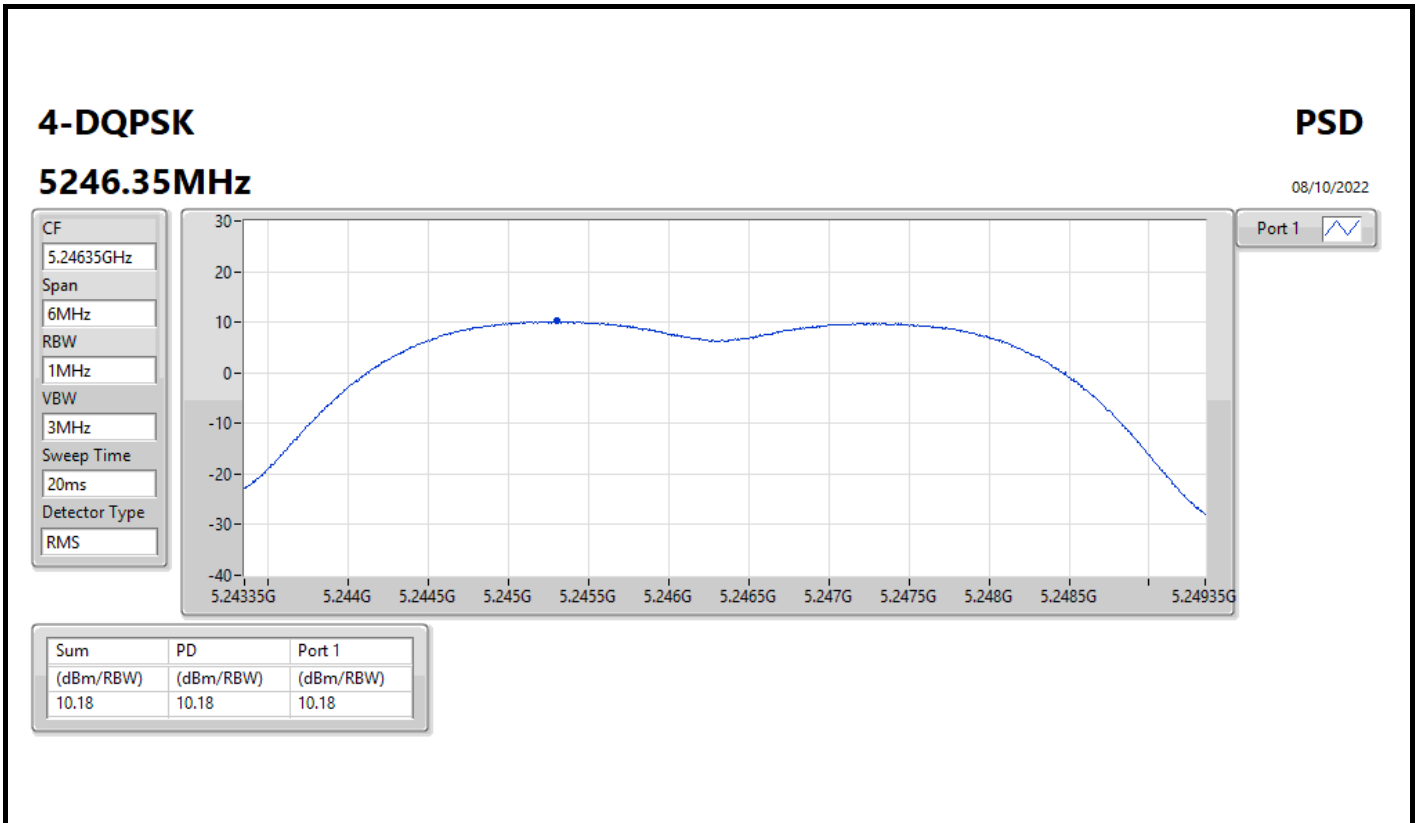


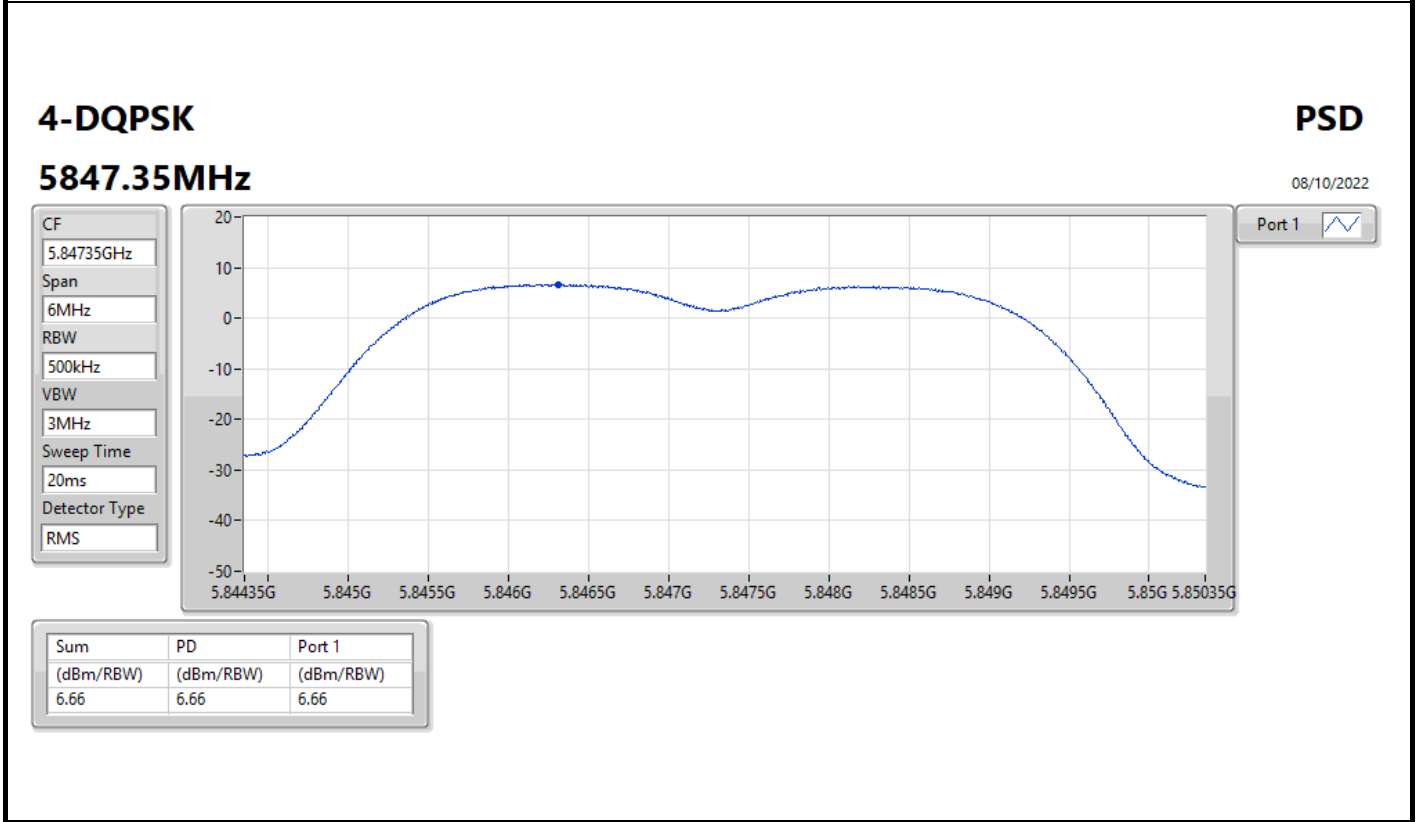
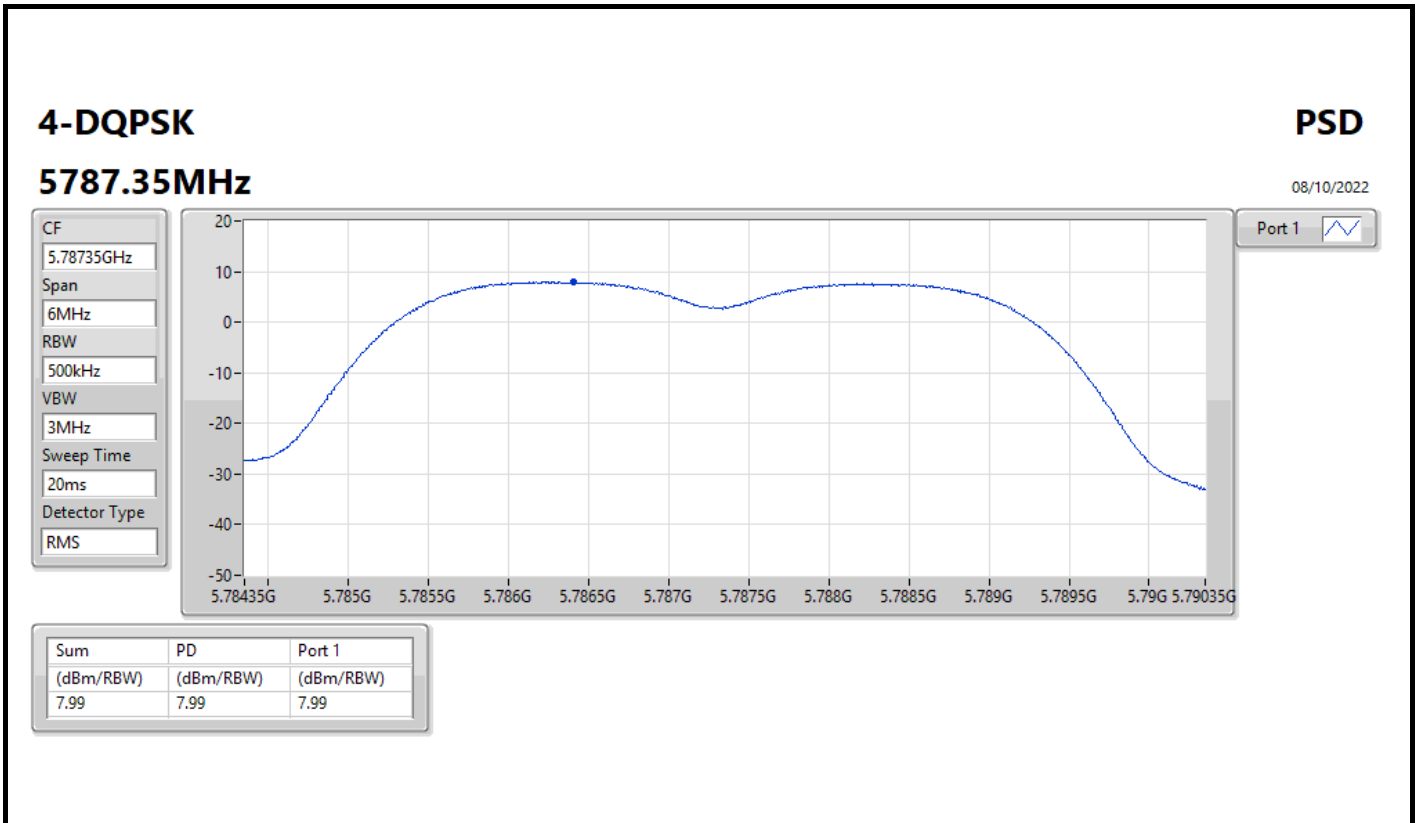














Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.85-5.895GHz	-	-
4-DQPSK	10.86	13.87
4-DQPSK	8.62	11.63

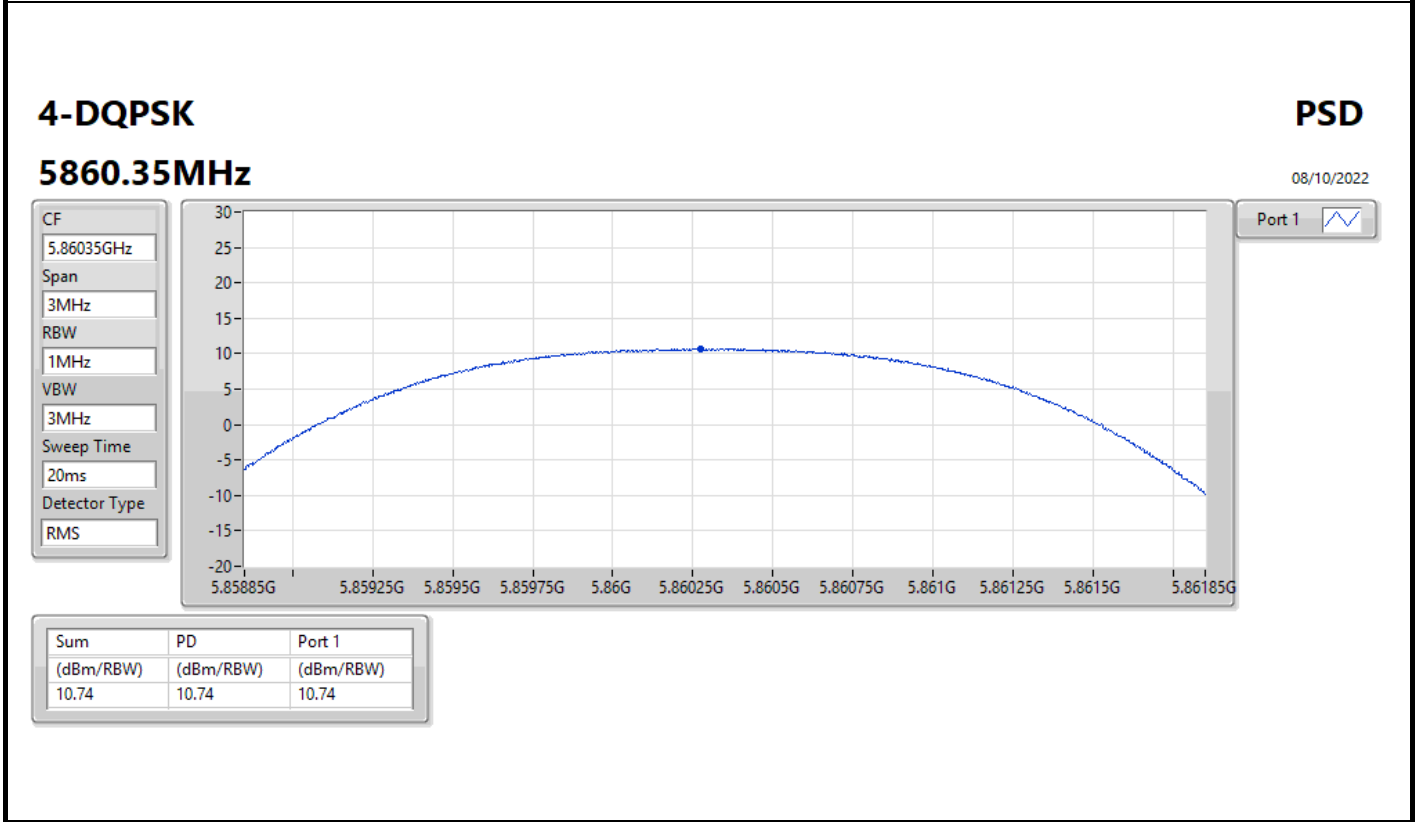
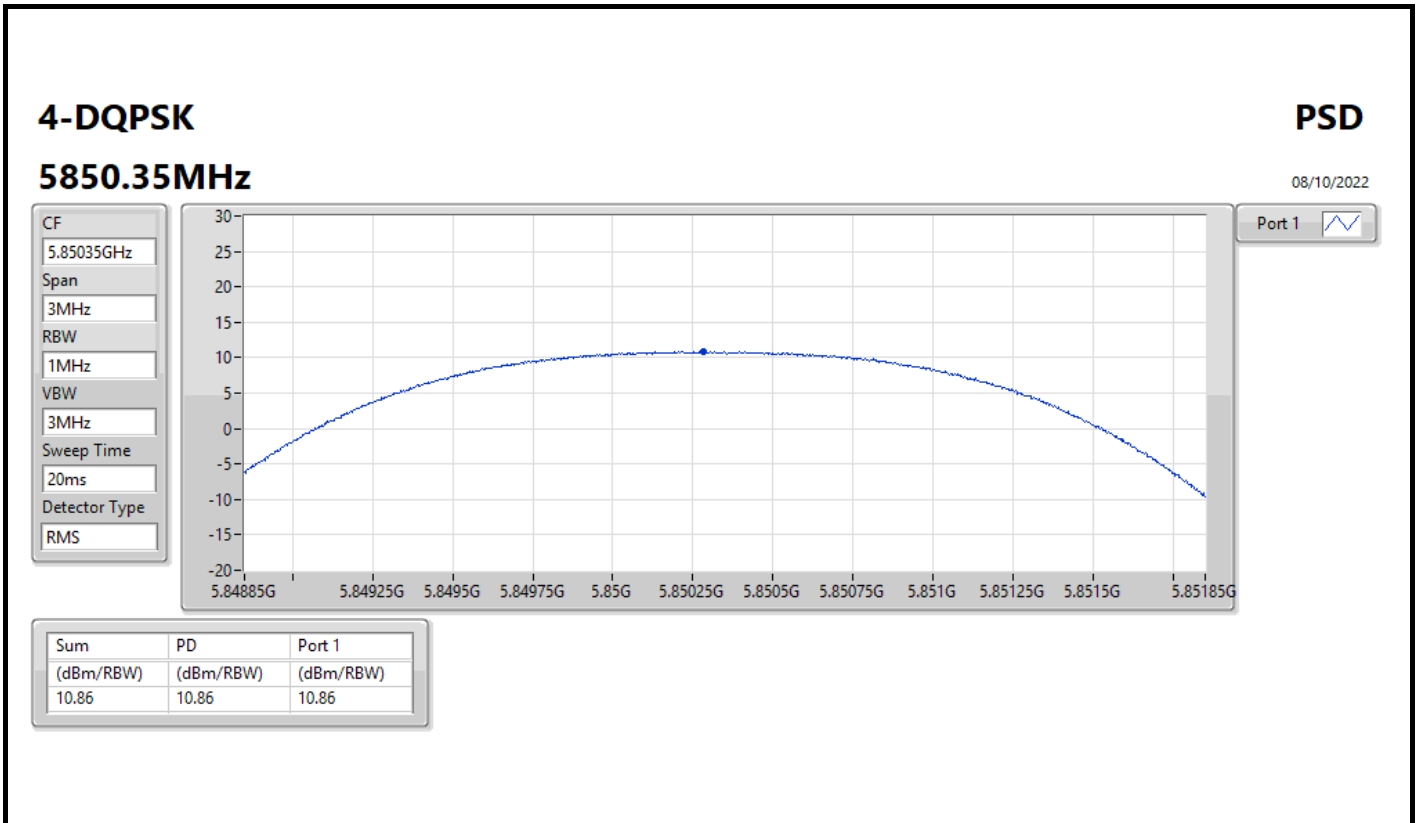
RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

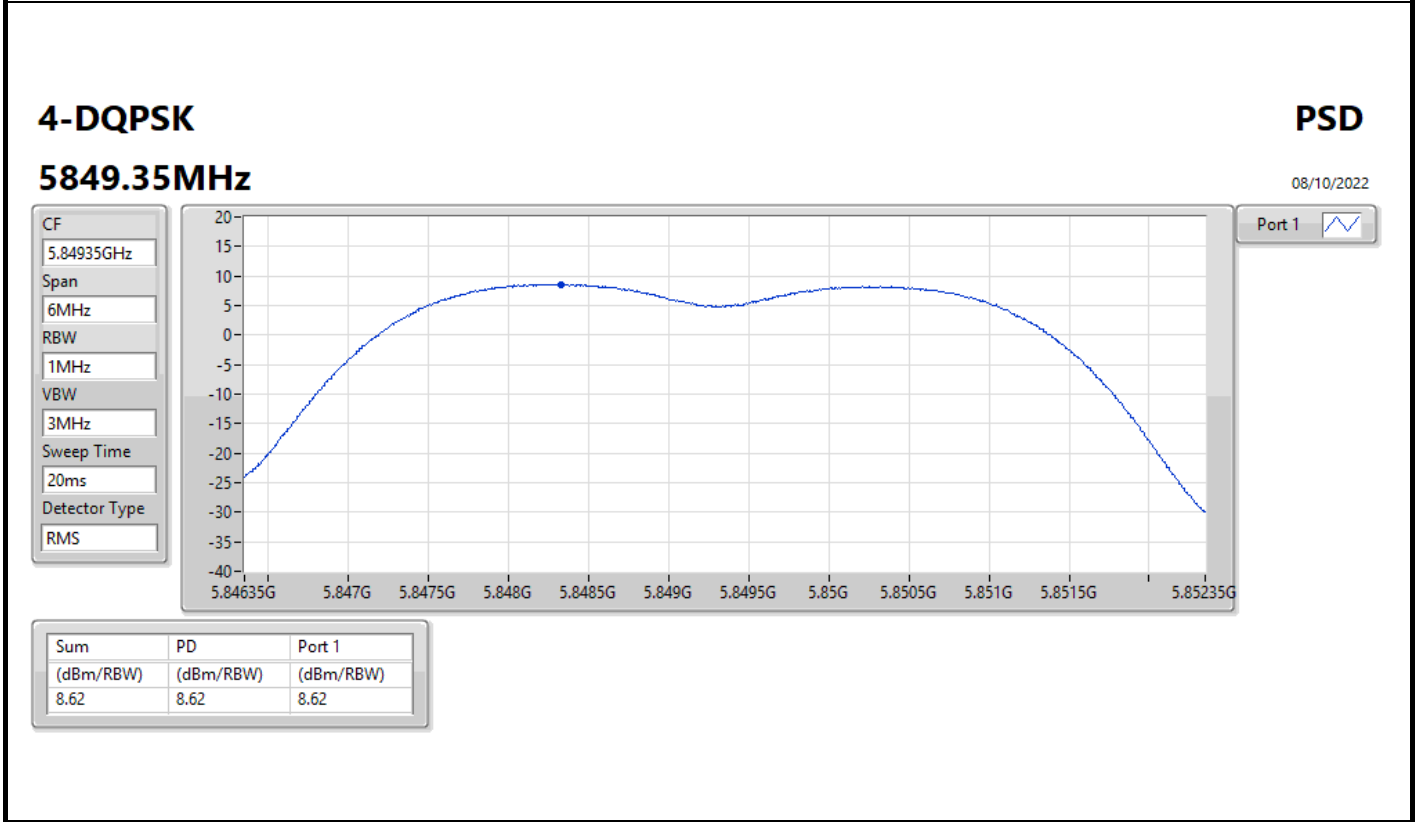
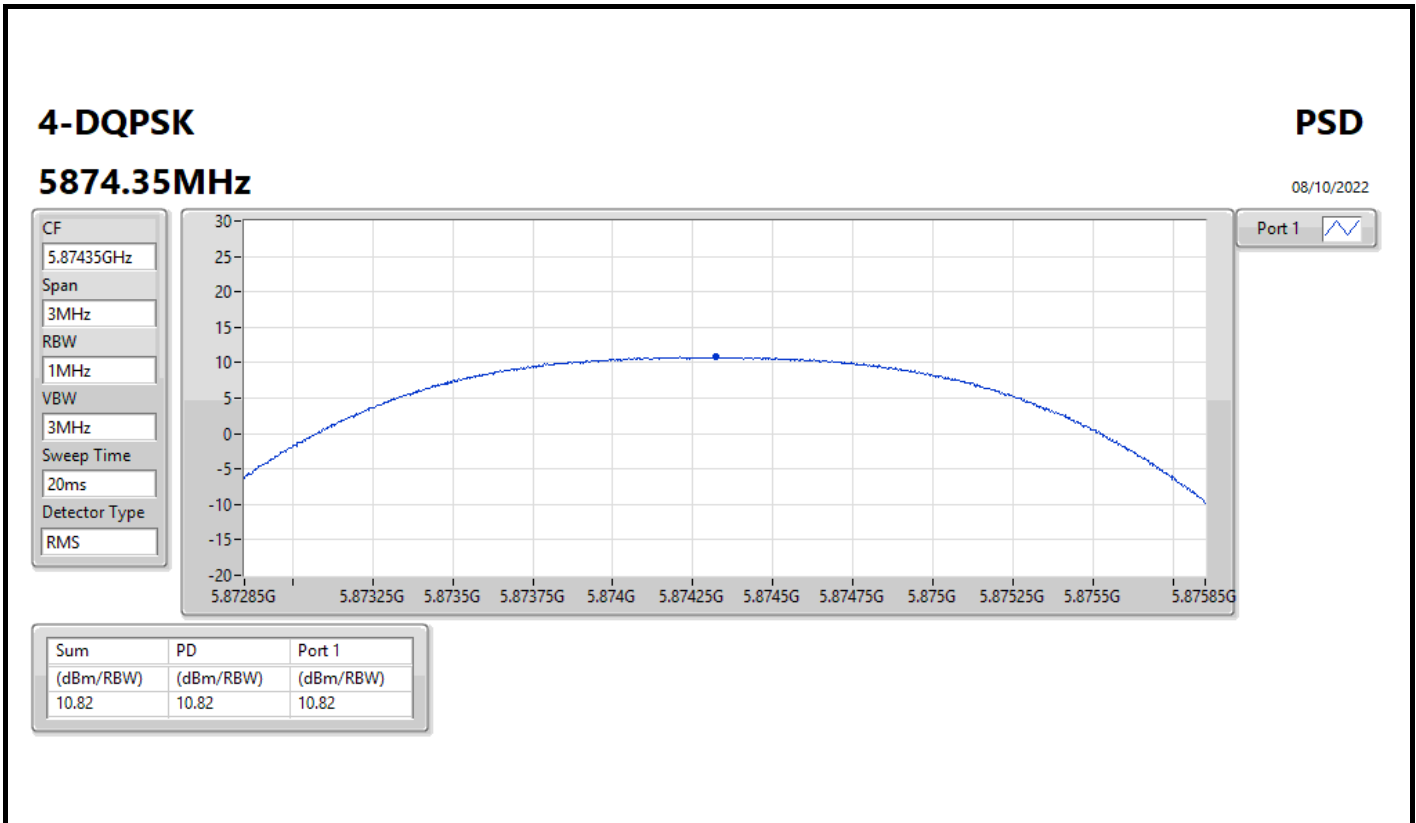


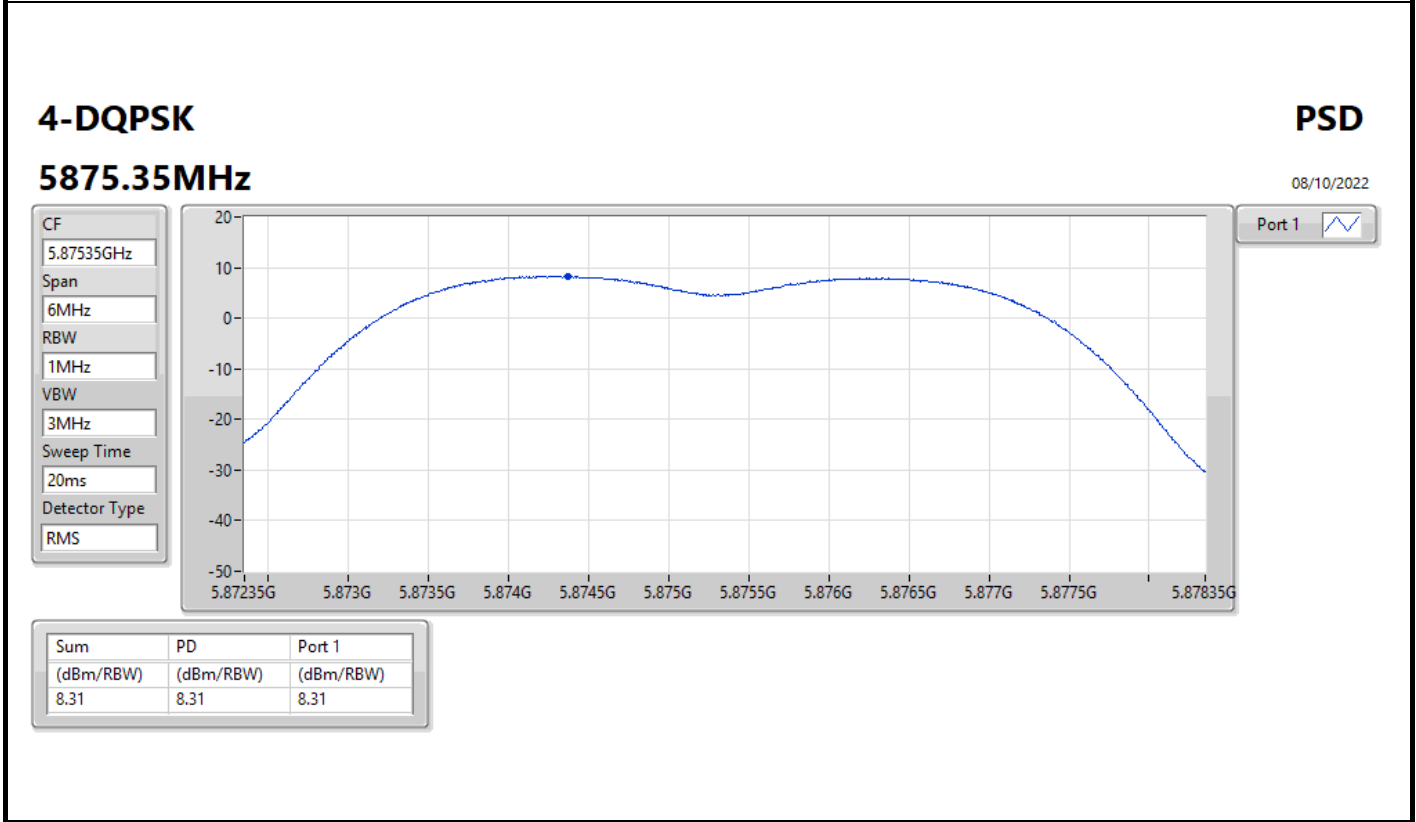
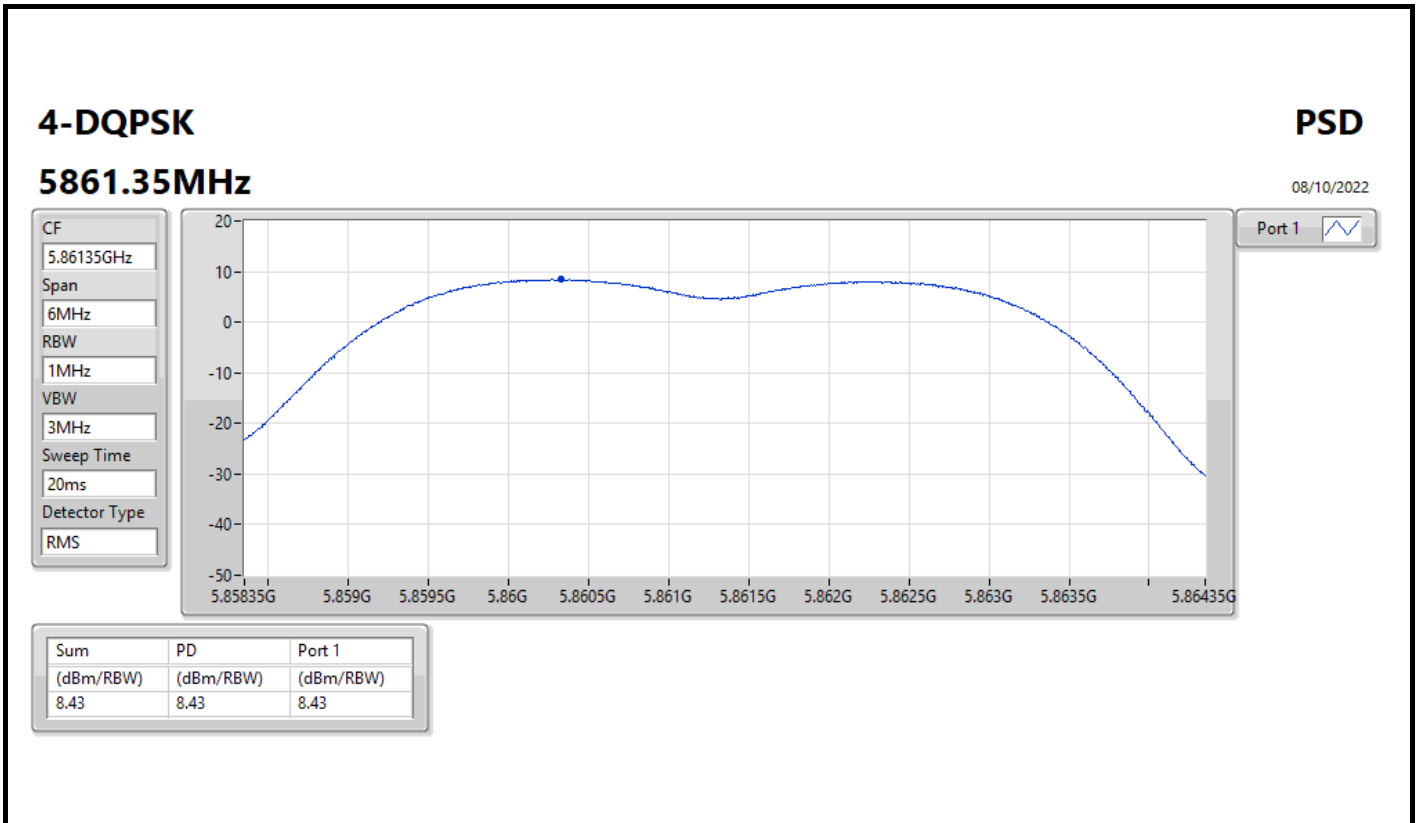
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
4-DQPSK	-	-	-	-	-	-	-
5850.35MHz	Pass	3.01	10.86	10.86	Inf	13.87	14.00
5860.35MHz	Pass	3.01	10.74	10.74	Inf	13.75	14.00
5874.35MHz	Pass	3.01	10.82	10.82	Inf	13.83	14.00
4-DQPSK	-	-	-	-	-	-	-
5849.35MHz	Pass	3.01	8.62	8.62	Inf	11.63	14.00
5861.35MHz	Pass	3.01	8.43	8.43	Inf	11.44	14.00
5875.35MHz	Pass	3.01	8.31	8.31	Inf	11.32	14.00

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 X Power Density;







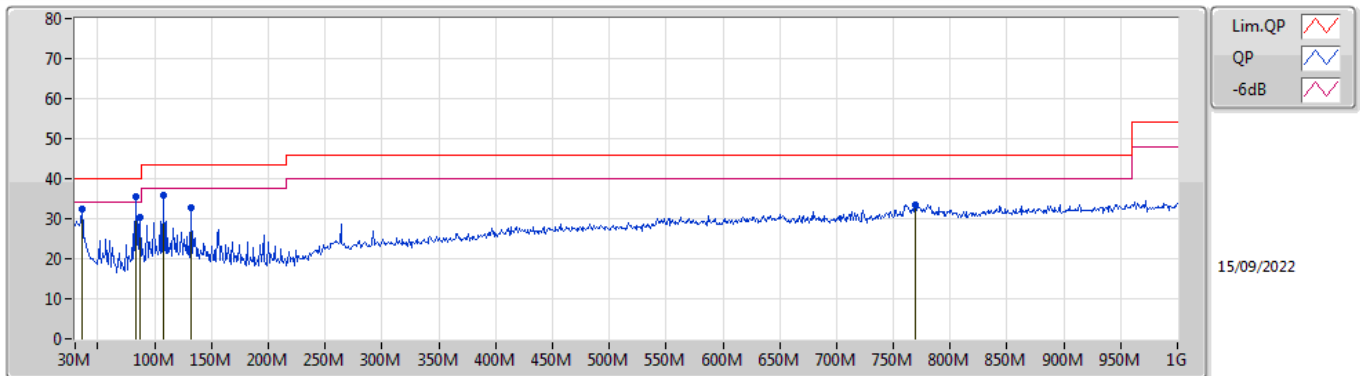




**Summary**

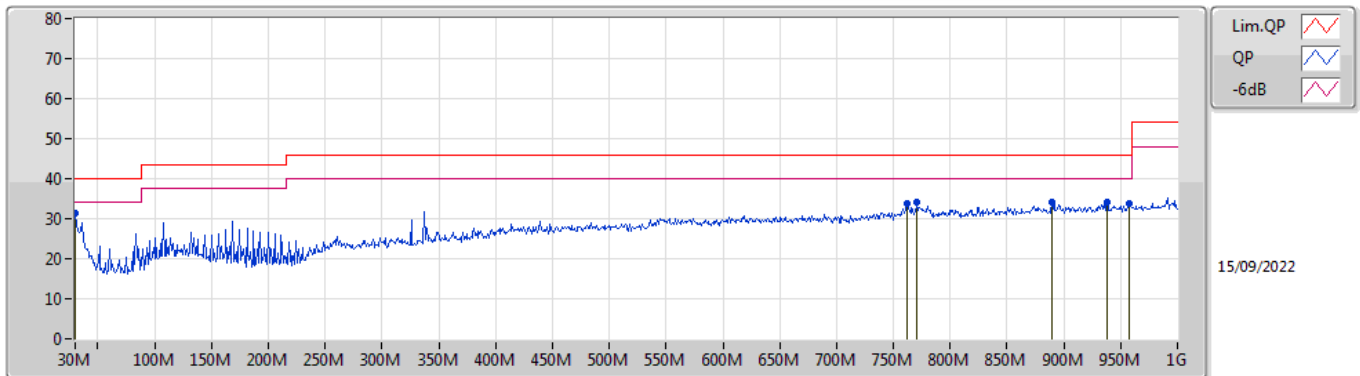
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 4	Pass	PK	83.35M	35.60	40.00	-4.40	Vertical

Mode 4



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	35.82M	32.40	40.00	-7.60	-5.66	3	Vertical	47	3.00	-	38.06	21.50	1.30	28.46
PK	83.35M	35.60	40.00	-4.40	-13.61	3	Vertical	265	1.50	"Worst"	49.21	13.46	1.47	28.54
PK	87.23M	30.35	40.00	-9.65	-12.90	3	Vertical	327	1.00	-	43.25	14.11	1.50	28.51
PK	107.6M	35.77	43.50	-7.73	-9.48	3	Vertical	360	1.25	-	45.25	17.26	1.64	28.38
PK	131.85M	32.86	43.50	-10.64	-9.09	3	Vertical	20	1.00	-	41.95	17.50	1.70	28.29
PK	769.14M	33.56	46.00	-12.44	0.58	3	Vertical	360	1.00	-	32.98	25.86	3.74	29.02

Mode 4



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	30M	31.54	40.00	-8.46	-2.07	3	Horizontal	224	2.00	"Worst"	33.61	25.20	1.20	28.47
PK	762.35M	33.78	46.00	-12.22	0.52	3	Horizontal	305	1.00	-	33.26	25.82	3.72	29.02
PK	771.08M	34.05	46.00	-11.95	0.59	3	Horizontal	118	3.00	-	33.46	25.87	3.74	29.02
PK	889.42M	34.18	46.00	-11.82	1.66	3	Horizontal	259	3.00	-	32.52	26.37	3.96	28.67
PK	937.92M	34.09	46.00	-11.91	2.10	3	Horizontal	267	3.00	-	31.99	26.61	4.08	28.59
PK	957.32M	33.78	46.00	-12.22	2.40	3	Horizontal	360	3.00	-	31.38	26.82	4.11	28.53

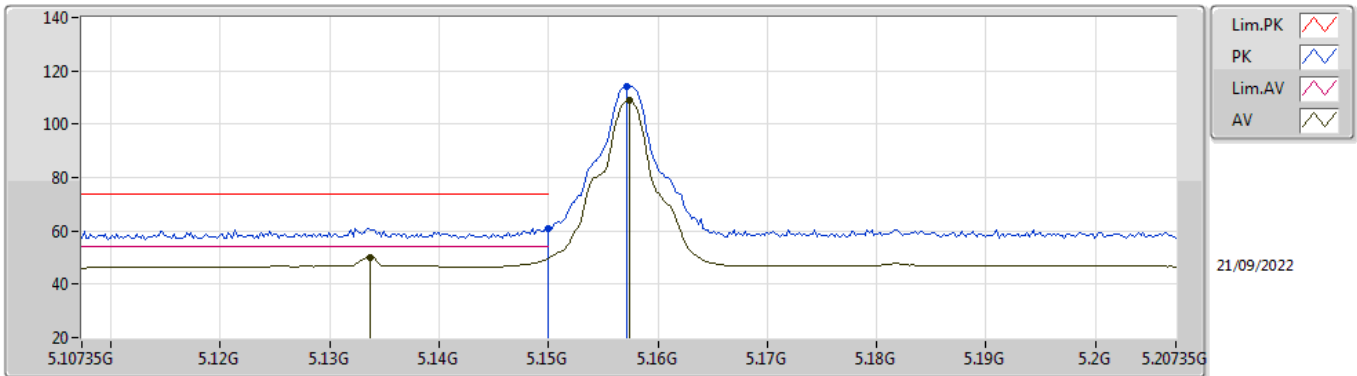


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-
pi/4-DQPSK	Pass	AV	5.13715G	53.67	54.00	-0.33	3	Vertical	264	1.00	-

### 4-DQPSK

### 5157.35MHz\_TnomVnom

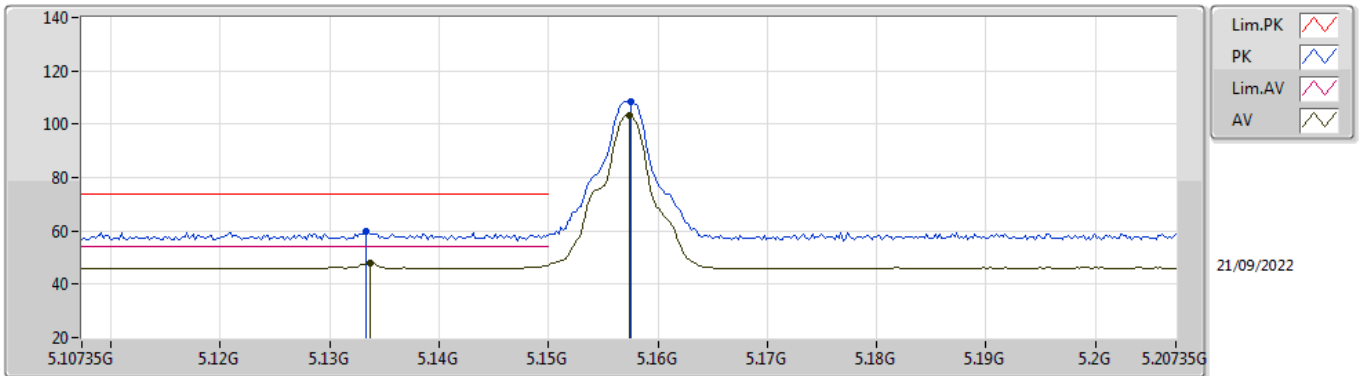


EUT X\_1TX  
Setting 0x05  
03-C-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.14995G	61.12	74.00	-12.88	54.83	3	Vertical	51	2.28	-	34.00	7.17	34.88
AV	5.13375G	50.02	54.00	-3.98	43.76	3	Vertical	51	2.28	-	33.97	7.17	34.88
PK	5.15715G	113.94	Inf	-Inf	107.61	3	Vertical	51	2.28	-	34.03	7.18	34.88
AV	5.15735G	108.73	Inf	-Inf	102.40	3	Vertical	51	2.28	-	34.03	7.18	34.88

### 4-DQPSK

### 5157.35MHz\_TnomVnom

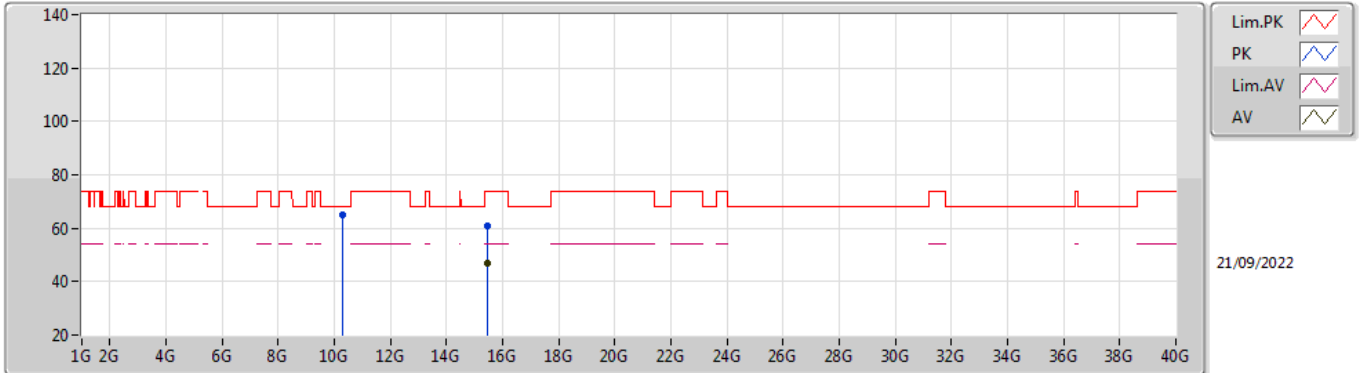


EUT\_X\_1TX  
Setting 0x05  
03-C-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.13335G	59.82	74.00	-14.18	53.56	3	Horizontal	44	2.83	-	33.97	7.17	34.88
AV	5.13375G	48.16	54.00	-5.84	41.90	3	Horizontal	44	2.83	-	33.97	7.17	34.88
PK	5.15755G	108.40	Inf	-Inf	102.07	3	Horizontal	44	2.83	-	34.03	7.18	34.88
AV	5.15735G	103.18	Inf	-Inf	96.85	3	Horizontal	44	2.83	-	34.03	7.18	34.88

### 4-DQPSK

### 5157.35MHz\_TnomVnom

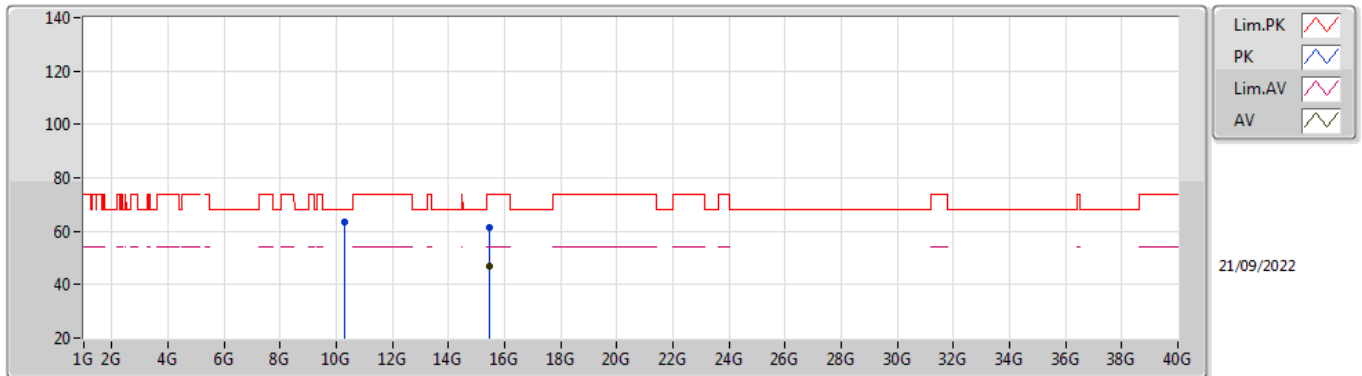


EUT\_Z\_1TX  
Setting 0x05  
03-C-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.31506G	65.20	68.20	-3.00	50.38	3	Vertical	38	2.16	-	38.12	10.55	33.85
PK	15.47269G	61.04	74.00	-12.96	43.62	3	Vertical	245	2.00	-	38.73	13.14	34.45
AV	15.47165G	46.96	54.00	-7.04	29.54	3	Vertical	245	2.00	-	38.73	13.14	34.45

### 4-DQPSK

### 5157.35MHz\_TnomVnom



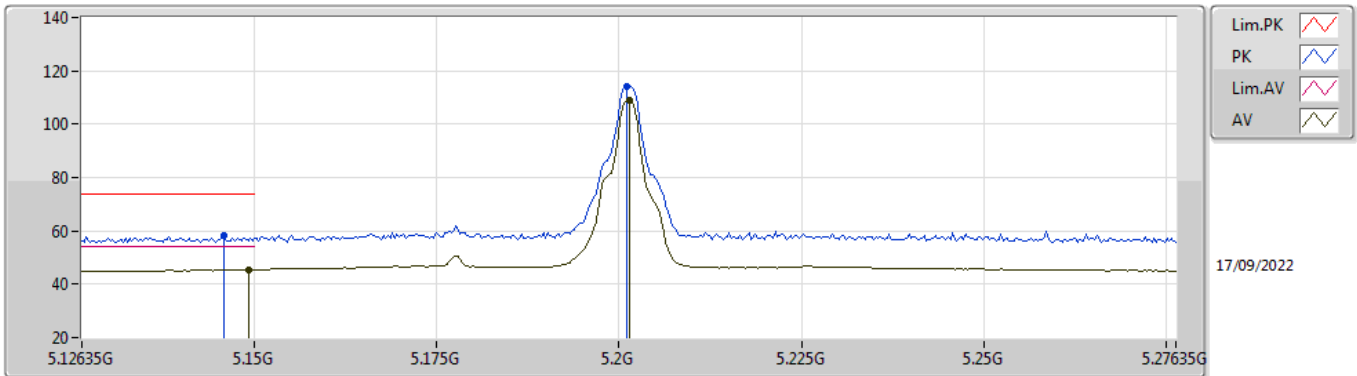
EUT\_Z\_1TX  
Setting 0x05  
03-C-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.31506G	63.28	68.20	-4.92	48.46	3	Horizontal	38	2.70	-	38.12	10.55	33.85
PK	15.46297G	61.37	74.00	-12.63	43.93	3	Horizontal	263	1.99	-	38.74	13.13	34.43
AV	15.47177G	46.96	54.00	-7.04	29.54	3	Horizontal	263	1.99	-	38.73	13.14	34.45



### 4-DQPSK

### 5201.35MHz\_TnomVnom

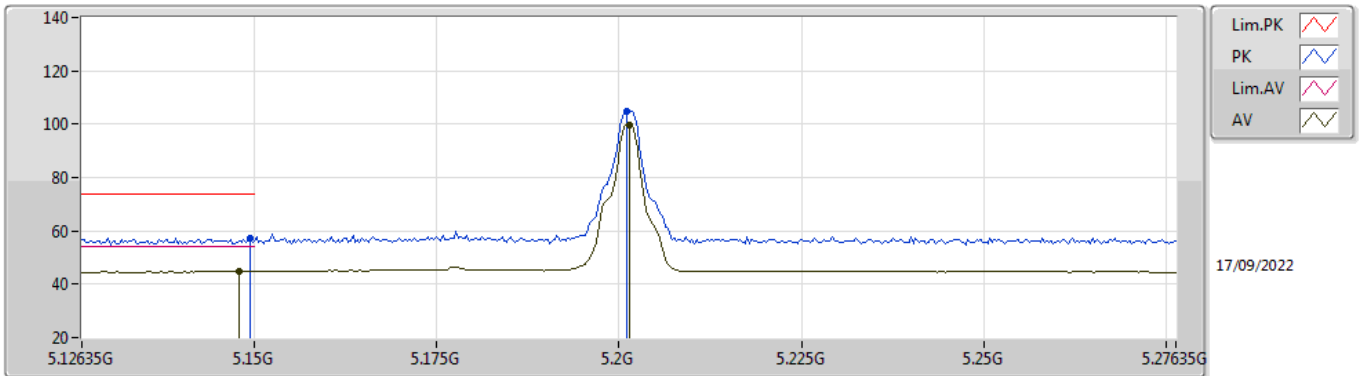


EUT\_X\_1TX  
Setting 0x05  
06-E-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.14585G	58.15	74.00	-15.85	53.15	3	Vertical	48	1.07	-	31.91	5.55	32.46
AV	5.14915G	45.54	54.00	-8.46	40.55	3	Vertical	48	1.07	-	31.90	5.55	32.46
PK	5.20105G	114.03	Inf	-Inf	109.09	3	Vertical	48	1.07	-	31.80	5.60	32.46
AV	5.20135G	109.05	Inf	-Inf	104.12	3	Vertical	48	1.07	-	31.79	5.60	32.46

### 4-DQPSK

### 5201.35MHz\_TnomVnom

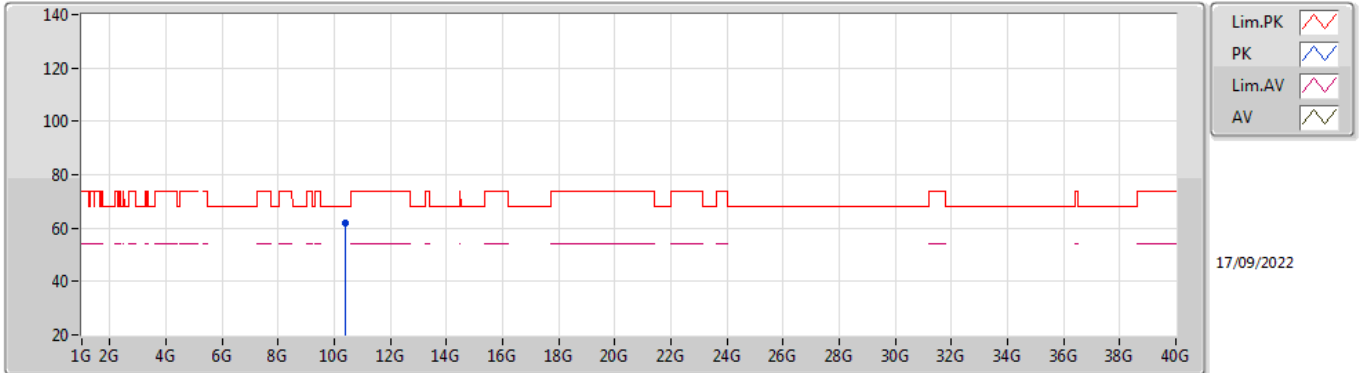


EUT X\_1TX  
Setting 0x05  
06-E-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.14945G	57.50	74.00	-16.50	52.51	3	Horizontal	185	2.89	-	31.90	5.55	32.46
AV	5.14795G	44.84	54.00	-9.16	39.85	3	Horizontal	185	2.89	-	31.90	5.55	32.46
PK	5.20105G	104.92	Inf	-Inf	99.98	3	Horizontal	185	2.89	-	31.80	5.60	32.46
AV	5.20135G	99.84	Inf	-Inf	94.91	3	Horizontal	185	2.89	-	31.79	5.60	32.46

### 4-DQPSK

### 5201.35MHz\_TnomVnom

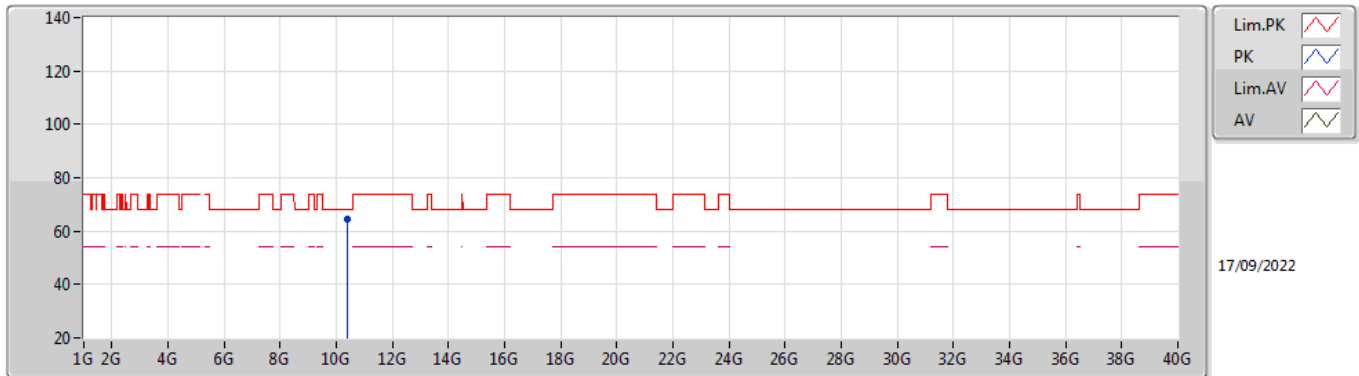


EUT\_Z\_1TX  
Setting 0x05  
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.40198G	62.12	68.20	-6.08	48.11	3	Vertical	164	1.03	-	40.10	8.54	34.63

### 4-DQPSK

### 5201.35MHz\_TnomVnom

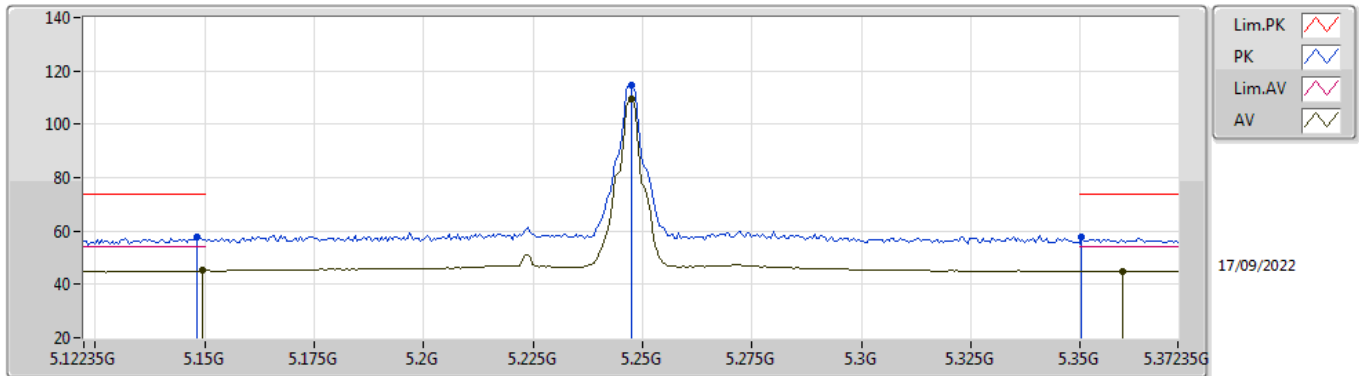


EUT\_Z\_1TX  
Setting 0x05  
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.40234G	64.32	68.20	-3.88	50.31	3	Horizontal	180	1.00	-	40.10	8.54	34.63

### 4-DQPSK

### 5247.35MHz\_TnomVnom

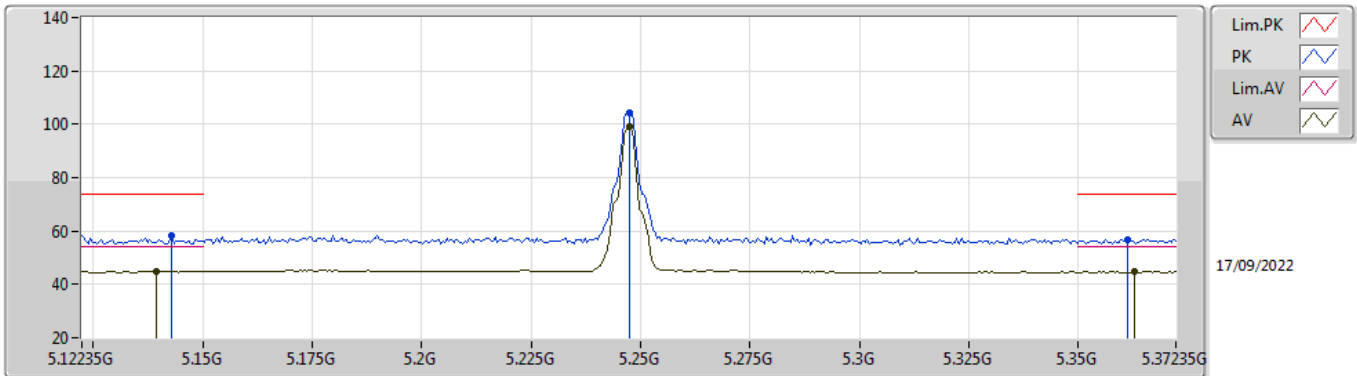


EUT\_X\_1TX  
Setting 0x05  
06-E-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.14835G	57.90	74.00	-16.10	52.91	3	Vertical	48	1.00	-	31.90	5.55	32.46
AV	5.14935G	45.11	54.00	-8.89	40.12	3	Vertical	48	1.00	-	31.90	5.55	32.46
PK	5.24735G	114.52	Inf	-Inf	109.76	3	Vertical	48	1.00	-	31.61	5.62	32.47
AV	5.24735G	109.60	Inf	-Inf	104.84	3	Vertical	48	1.00	-	31.61	5.62	32.47
PK	5.35035G	57.65	74.00	-16.35	53.15	3	Vertical	48	1.00	-	31.30	5.68	32.48
AV	5.35985G	45.02	54.00	-8.98	40.48	3	Vertical	48	1.00	-	31.34	5.68	32.48

### 4-DQPSK

### 5247.35MHz\_TnomVnom

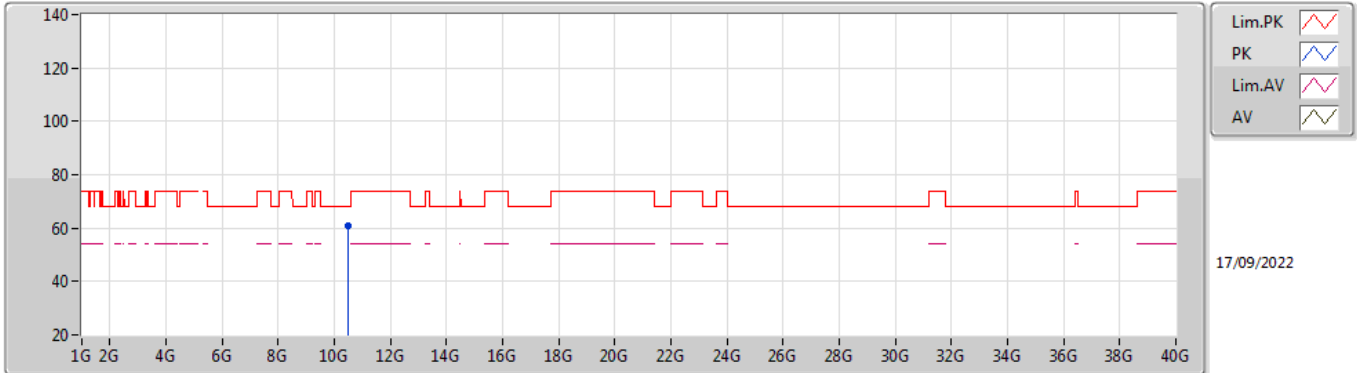


EUT\_X\_1TX  
Setting 0x05  
06-E-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.14285G	58.11	74.00	-15.89	53.12	3	Horizontal	188.3	2.81	-	31.91	5.54	32.46
AV	5.13935G	44.77	54.00	-9.23	39.77	3	Horizontal	188.3	2.81	-	31.92	5.54	32.46
PK	5.24735G	104.26	Inf	-Inf	99.50	3	Horizontal	188.3	2.81	-	31.61	5.62	32.47
AV	5.24735G	99.32	Inf	-Inf	94.56	3	Horizontal	188.3	2.81	-	31.61	5.62	32.47
PK	5.36135G	56.96	74.00	-17.04	52.41	3	Horizontal	188.3	2.81	-	31.35	5.68	32.48
AV	5.36285G	44.70	54.00	-9.30	40.15	3	Horizontal	188.3	2.81	-	31.35	5.68	32.48

### 4-DQPSK

### 5247.35MHz\_TnomVnom

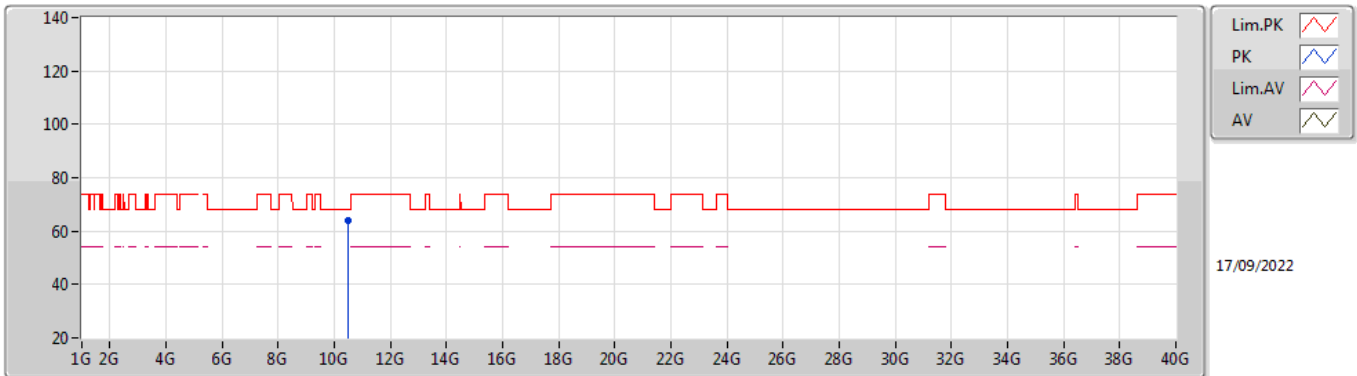


EUT\_Z\_1TX  
Setting 0x05  
06-E-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.49512G	61.08	68.20	-7.12	46.98	3	Vertical	164	2.97	-	40.20	8.60	34.70

### 4-DQPSK

### 5247.35MHz\_TnomVnom



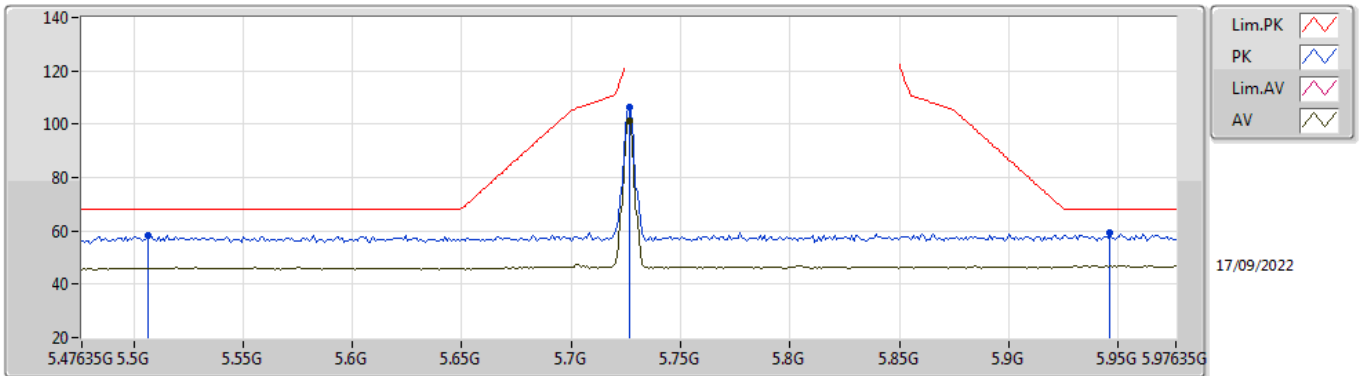
EUT\_Z\_1TX  
Setting 0x05  
06-E-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.49506G	63.92	68.20	-4.28	49.82	3	Horizontal	188	1.00	-	40.20	8.60	34.70



### 4-DQPSK

#### 5726.35MHz\_TnomVnom

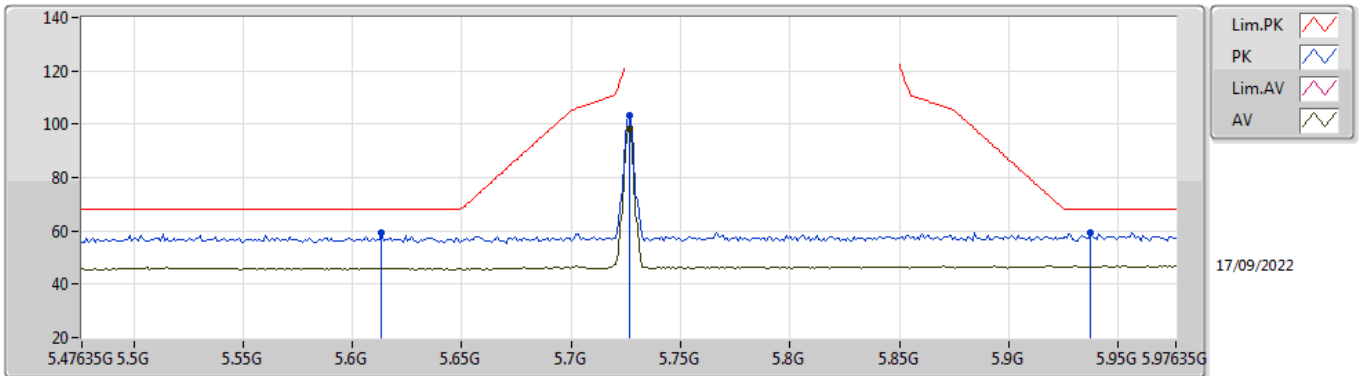


EUT\_X\_1TX  
Setting 0x05  
06-E-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.50635G	58.48	68.20	-9.72	53.27	3	Vertical	22.9	1.13	-	31.90	5.81	32.50
PK	5.72635G	106.29	Inf	-Inf	100.71	3	Vertical	22.9	1.13	-	32.11	5.90	32.43
AV	5.72635G	101.41	Inf	-Inf	95.83	3	Vertical	22.9	1.13	-	32.11	5.90	32.43
PK	5.94635G	59.47	68.20	-8.73	53.18	3	Vertical	22.9	1.13	-	32.60	6.05	32.36

### 4-DQPSK

### 5726.35MHz\_TnomVnom

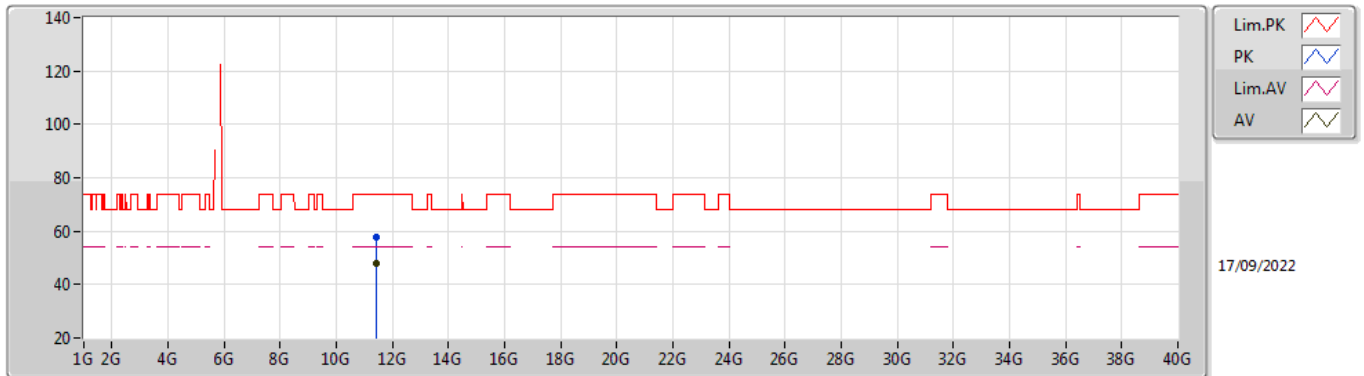


EUT X\_1TX  
Setting 0x05  
06-E-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.61335G	59.19	68.20	-9.01	53.88	3	Horizontal	193.7	2.80	-	31.87	5.90	32.46
PK	5.72635G	103.19	Inf	-Inf	97.61	3	Horizontal	193.7	2.80	-	32.11	5.90	32.43
AV	5.72635G	98.21	Inf	-Inf	92.63	3	Horizontal	193.7	2.80	-	32.11	5.90	32.43
PK	5.93735G	59.56	68.20	-8.64	53.28	3	Horizontal	193.7	2.80	-	32.60	6.04	32.36

### 4-DQPSK

### 5726.35MHz\_TnomVnom

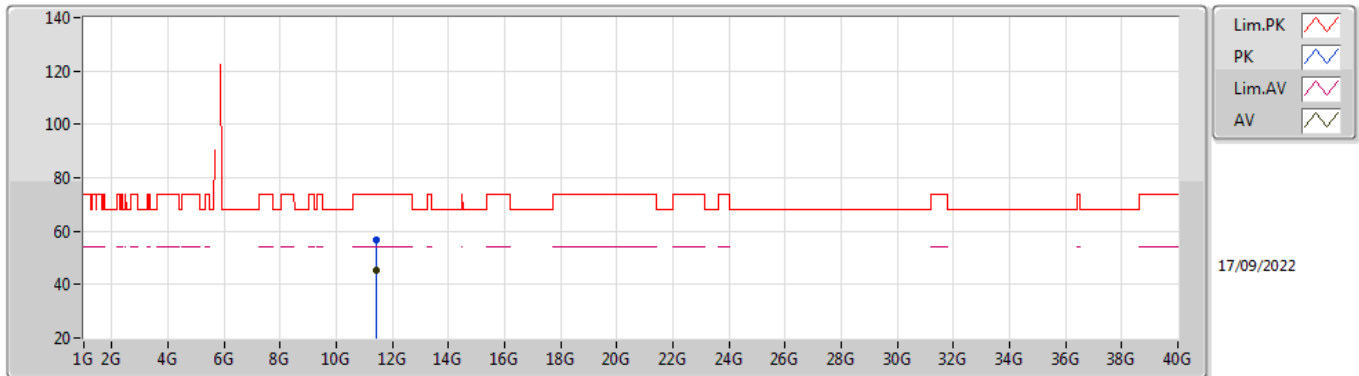


EUT\_Z\_1TX  
Setting 0x05  
06-E-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.45018G	57.82	74.00	-16.18	43.18	3	Vertical	218	1.00	-	40.10	9.17	34.63
AV	11.45G	47.88	54.00	-6.12	33.24	3	Vertical	218	1.00	-	40.10	9.17	34.63

### 4-DQPSK

### 5726.35MHz\_TnomVnom

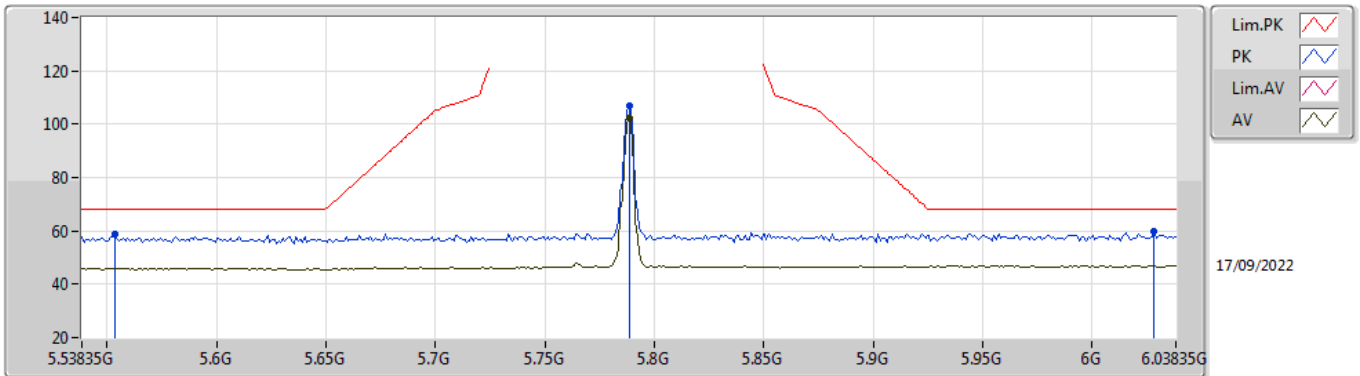


EUT\_Z\_1TX  
Setting 0x05  
06-E-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.45066G	56.90	74.00	-17.10	42.26	3	Horizontal	148	1.52	-	40.10	9.17	34.63
AV	11.45G	45.40	54.00	-8.60	30.76	3	Horizontal	148	1.52	-	40.10	9.17	34.63

### 4-DQPSK

### 5788.35MHz\_TnomVnom

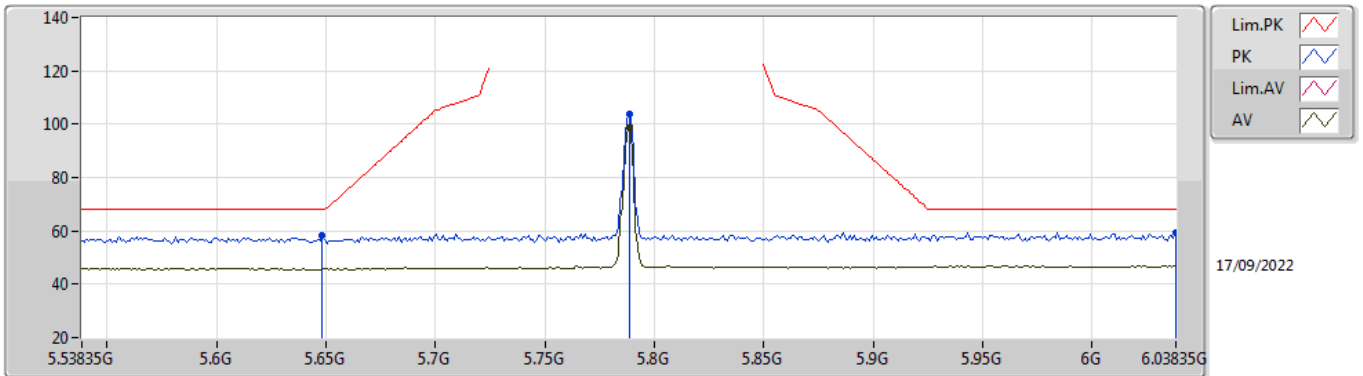


EUT\_X\_1TX  
Setting 0x05  
06-E-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.55335G	58.58	68.20	-9.62	53.31	3	Vertical	276.6	1.04	-	31.90	5.85	32.48
PK	5.78835G	106.87	Inf	-Inf	101.10	3	Vertical	276.6	1.04	-	32.28	5.90	32.41
AV	5.78835G	101.99	Inf	-Inf	96.22	3	Vertical	276.6	1.04	-	32.28	5.90	32.41
PK	6.02835G	60.02	68.20	-8.18	53.74	3	Vertical	276.6	1.04	-	32.56	6.10	32.38

### 4-DQPSK

### 5788.35MHz\_TnomVnom

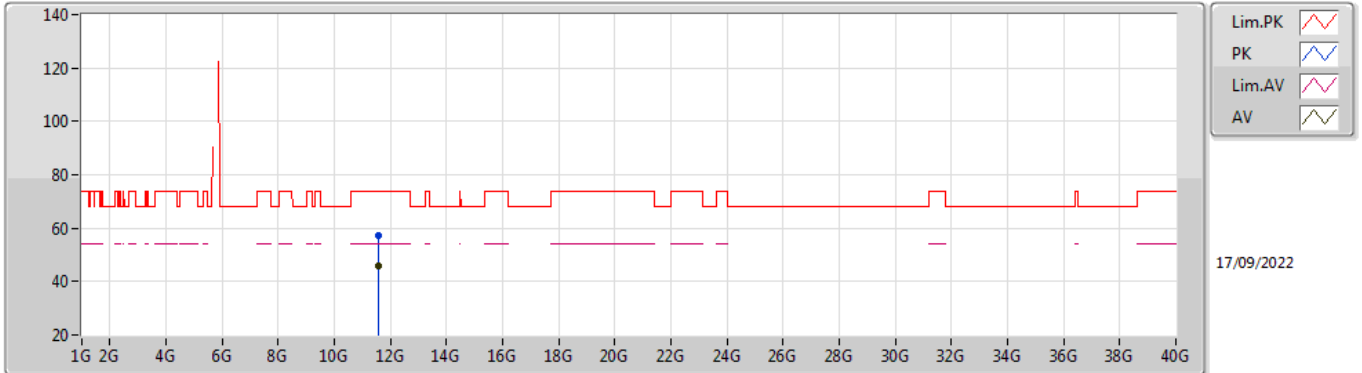


EUT\_X\_1TX  
Setting 0x05  
06-E-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.64835G	58.27	68.20	-9.93	53.02	3	Horizontal	1.4	2.74	-	31.80	5.90	32.45
PK	5.78835G	103.59	Inf	-Inf	97.82	3	Horizontal	1.4	2.74	-	32.28	5.90	32.41
AV	5.78835G	98.70	Inf	-Inf	92.93	3	Horizontal	1.4	2.74	-	32.28	5.90	32.41
PK	6.03835G	59.37	68.20	-8.83	53.09	3	Horizontal	1.4	2.74	-	32.58	6.10	32.40

### 4-DQPSK

### 5788.35MHz\_TnomVnom

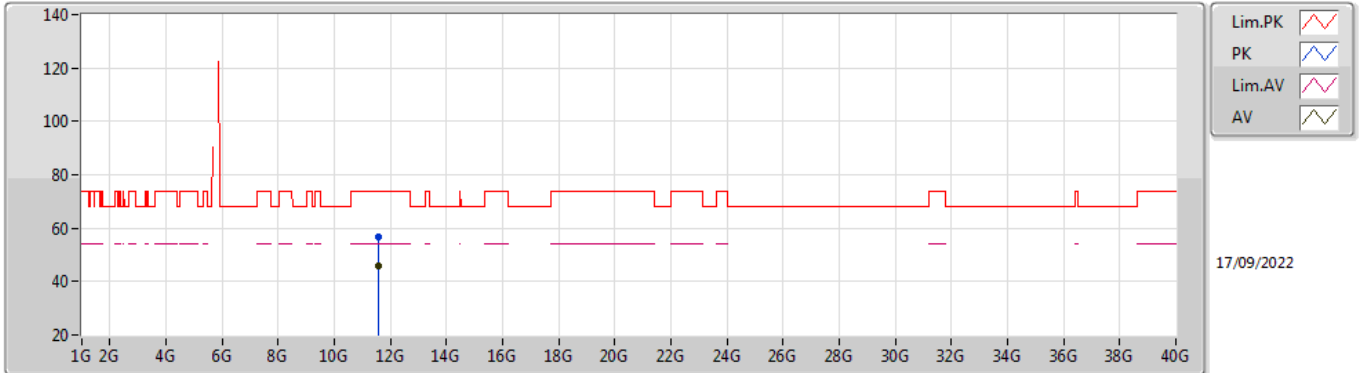


EUT\_Z\_1TX  
Setting 0x05  
06-E-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.57412G	57.22	74.00	-16.78	42.67	3	Vertical	352	2.64	-	39.95	9.24	34.64
AV	11.57388G	45.93	54.00	-8.07	31.38	3	Vertical	352	2.64	-	39.95	9.24	34.64

### 4-DQPSK

### 5788.35MHz\_TnomVnom



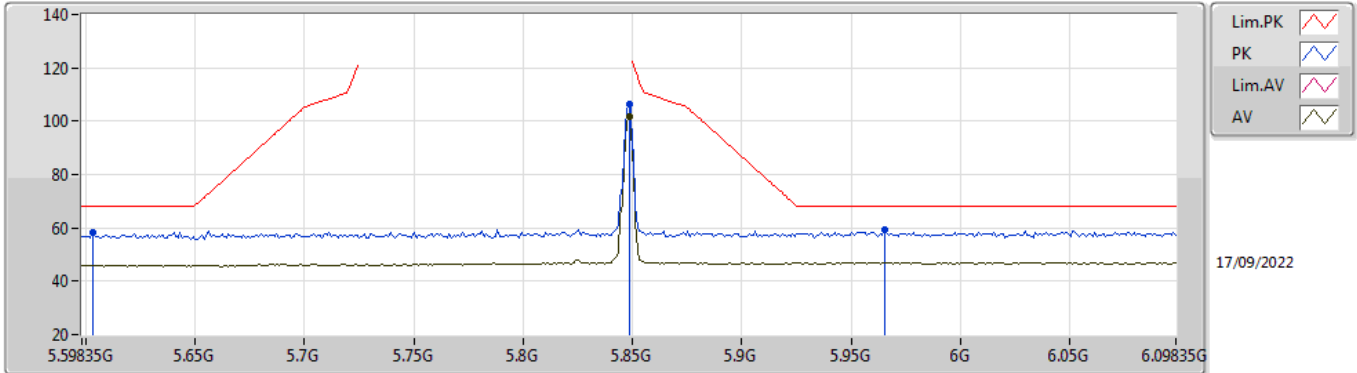
EUT\_Z\_1TX  
Setting 0x05  
06-E-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.57394G	56.60	74.00	-17.40	42.05	3	Horizontal	176	2.89	-	39.95	9.24	34.64
AV	11.57394G	46.05	54.00	-7.95	31.50	3	Horizontal	176	2.89	-	39.95	9.24	34.64



### 4-DQPSK

### 5848.35MHz\_TnomVnom

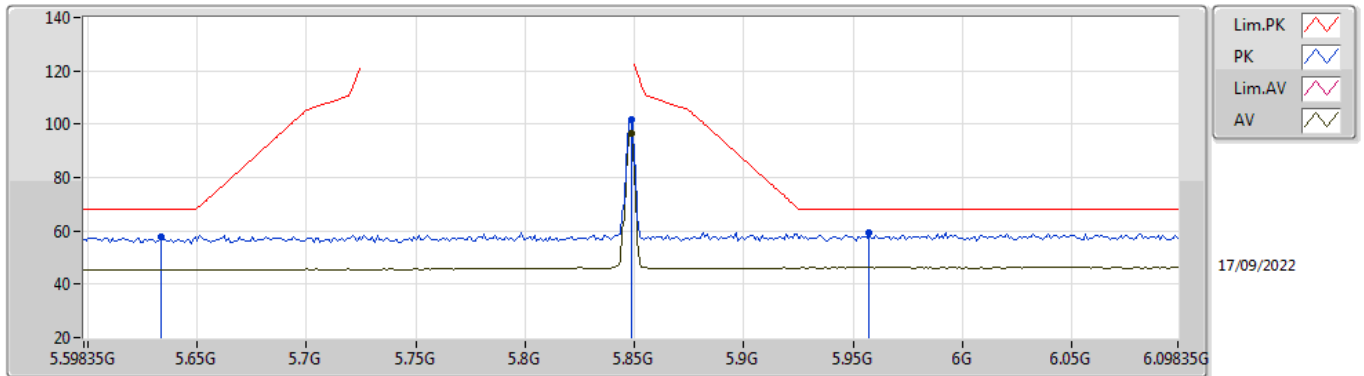


EUT\_X\_1TX  
Setting 0x05  
06-E-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.60335G	58.31	68.20	-9.89	52.99	3	Vertical	253.6	1.03	-	31.89	5.90	32.47
PK	5.84835G	106.40	Inf	-Inf	100.54	3	Vertical	253.6	1.03	-	32.30	5.95	32.39
AV	5.84835G	101.60	Inf	-Inf	95.74	3	Vertical	253.6	1.03	-	32.30	5.95	32.39
PK	5.96535G	59.27	68.20	-8.93	52.98	3	Vertical	253.6	1.03	-	32.57	6.07	32.35

### 4-DQPSK

### 5848.35MHz\_TnomVnom

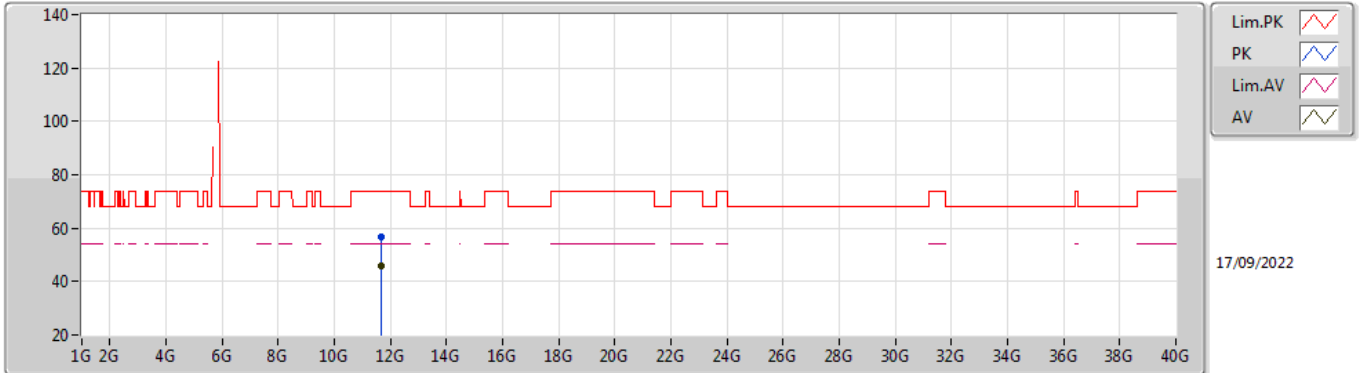


EUT\_X\_1TX  
Setting 0x05  
06-E-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.63335G	57.90	68.20	-10.30	52.63	3	Horizontal	212.1	2.76	-	31.83	5.90	32.46
PK	5.84835G	101.68	Inf	-Inf	95.82	3	Horizontal	212.1	2.76	-	32.30	5.95	32.39
AV	5.84835G	96.75	Inf	-Inf	90.89	3	Horizontal	212.1	2.76	-	32.30	5.95	32.39
PK	5.95735G	59.44	68.20	-8.76	53.14	3	Horizontal	212.1	2.76	-	32.59	6.06	32.35

### 4-DQPSK

### 5848.35MHz\_TnomVnom

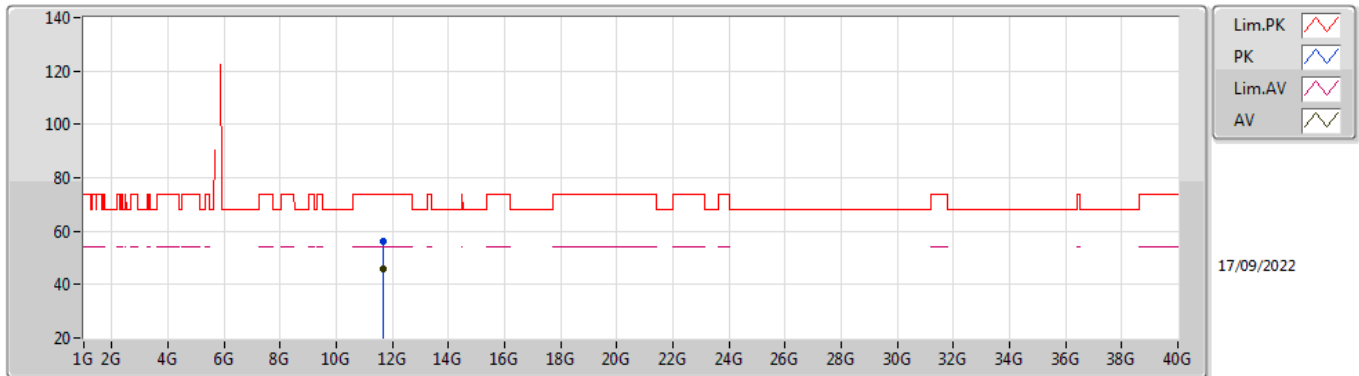


EUT\_Z\_1TX  
Setting 0x05  
06-E-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.69352G	56.85	74.00	-17.15	42.84	3	Vertical	228	2.90	-	39.34	9.32	34.65
AV	11.69394G	46.03	54.00	-7.97	32.02	3	Vertical	228	2.90	-	39.34	9.32	34.65

### 4-DQPSK

### 5848.35MHz\_TnomVnom

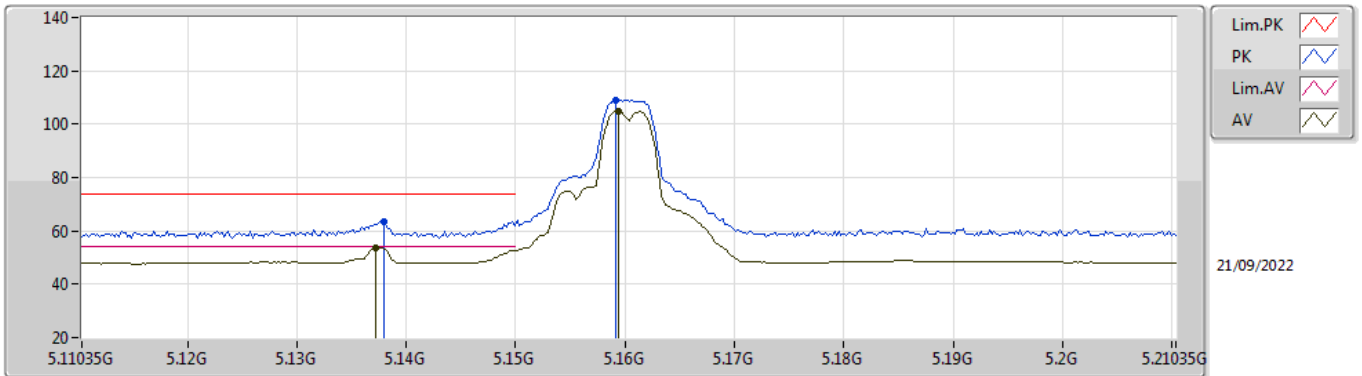


EUT\_Z\_1TX  
Setting 0x05  
06-E-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.69394G	56.38	74.00	-17.62	42.37	3	Horizontal	3	1.47	-	39.34	9.32	34.65
AV	11.694G	46.09	54.00	-7.91	32.08	3	Horizontal	3	1.47	-	39.34	9.32	34.65

### 4-DQPSK

### 5160.35MHz\_TnomVnom

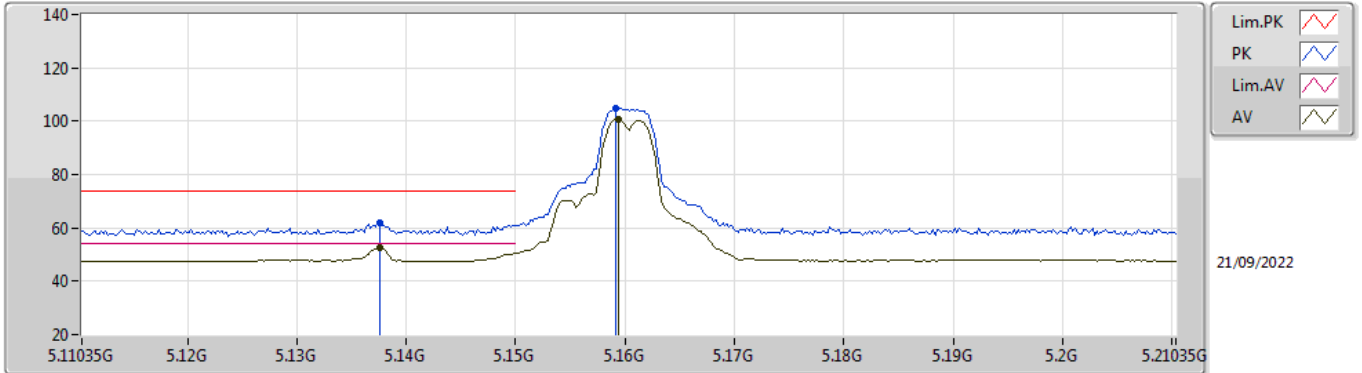


EUT X\_1TX  
Setting 0x05  
03-R-E-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.13795G	63.69	74.00	-10.31	57.42	3	Vertical	264	1.00	-	33.98	7.17	34.88
AV	5.13715G	53.67	54.00	-0.33	47.41	3	Vertical	264	1.00	-	33.97	7.17	34.88
PK	5.15915G	109.05	Inf	-Inf	102.71	3	Vertical	264	1.00	-	34.04	7.18	34.88
AV	5.15935G	104.96	Inf	-Inf	98.62	3	Vertical	264	1.00	-	34.04	7.18	34.88

### 4-DQPSK

### 5160.35MHz\_TnomVnom

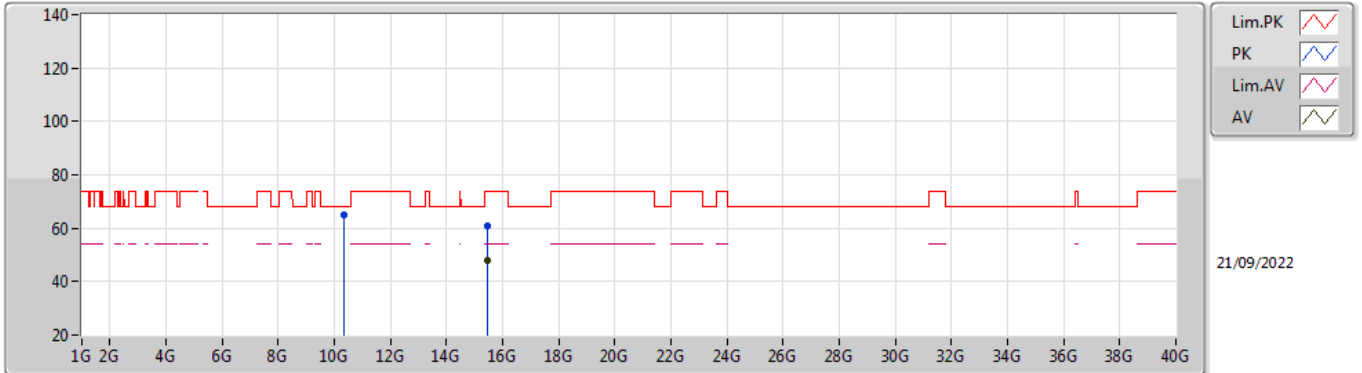


EUT X\_1TX  
Setting 0x05  
03-R-E-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.13755G	61.82	74.00	-12.18	55.55	3	Horizontal	207	2.80	-	33.98	7.17	34.88
AV	5.13755G	52.71	54.00	-1.29	46.44	3	Horizontal	207	2.80	-	33.98	7.17	34.88
PK	5.15915G	104.70	Inf	-Inf	98.36	3	Horizontal	207	2.80	-	34.04	7.18	34.88
AV	5.15935G	100.58	Inf	-Inf	94.24	3	Horizontal	207	2.80	-	34.04	7.18	34.88

### 4-DQPSK

### 5160.35MHz\_TnomVnom

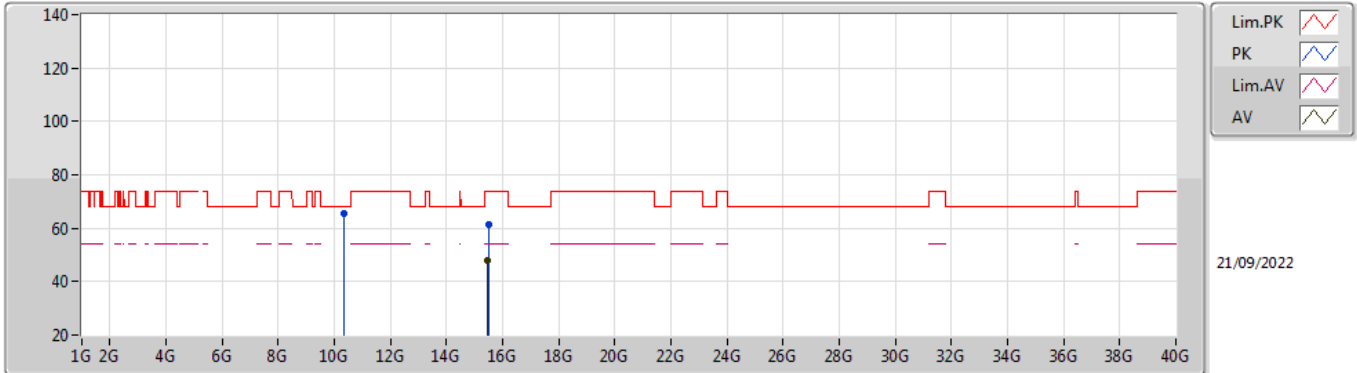


EUT\_Z\_1TX  
Setting 0x05  
03-R-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.32106G	65.23	68.20	-2.97	50.39	3	Vertical	150	1.00	-	38.12	10.55	33.83
PK	15.47619G	61.01	74.00	-12.99	43.60	3	Vertical	17	1.08	-	38.72	13.14	34.45
AV	15.48177G	48.18	54.00	-5.82	30.78	3	Vertical	17	1.08	-	38.72	13.14	34.46

### 4-DQPSK

### 5160.35MHz\_TnomVnom



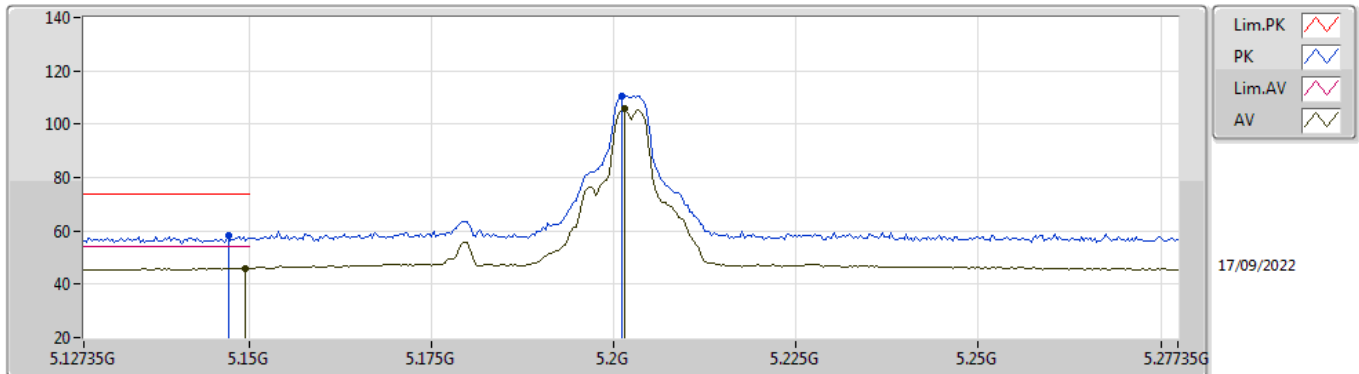
EUT\_Z\_1TX  
Setting 0x05  
03-R-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.32022G	65.33	68.20	-2.87	50.49	3	Horizontal	210	1.02	-	38.12	10.55	33.83
PK	15.49281G	61.47	74.00	-12.53	44.09	3	Horizontal	95	1.29	-	38.71	13.15	34.48
AV	15.47979G	48.10	54.00	-5.90	30.70	3	Horizontal	95	1.29	-	38.72	13.14	34.46



### 4-DQPSK

### 5202.35MHz\_TnomVnom

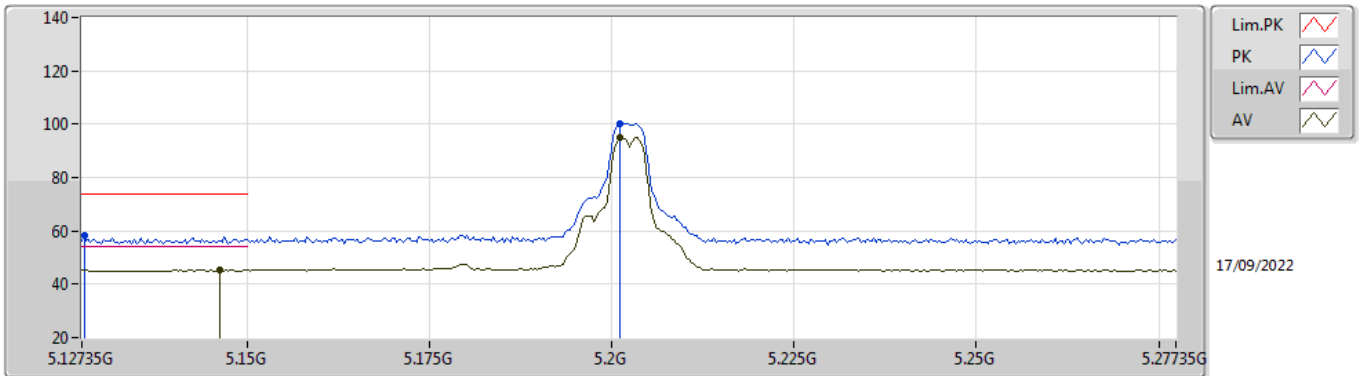


EUT X\_1TX  
Setting 0x05  
06-E-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.14715G	58.15	74.00	-15.85	53.15	3	Vertical	45.5	1.04	-	31.91	5.55	32.46
AV	5.14955G	46.09	54.00	-7.91	41.10	3	Vertical	45.5	1.04	-	31.90	5.55	32.46
PK	5.20115G	110.67	Inf	-Inf	105.73	3	Vertical	45.5	1.04	-	31.80	5.60	32.46
AV	5.20145G	105.64	Inf	-Inf	100.71	3	Vertical	45.5	1.04	-	31.79	5.60	32.46

### 4-DQPSK

### 5202.35MHz\_TnomVnom

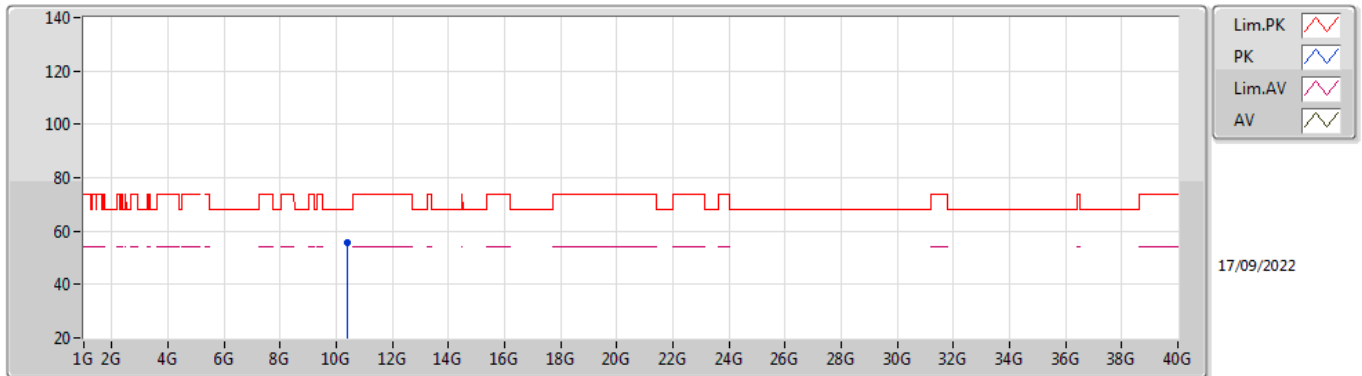


EUT X\_1TX  
Setting 0x05  
06-E-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.12765G	58.40	74.00	-15.60	53.39	3	Horizontal	190.7	2.86	-	31.94	5.53	32.46
AV	5.14625G	45.37	54.00	-8.63	40.37	3	Horizontal	190.7	2.86	-	31.91	5.55	32.46
PK	5.20115G	100.43	Inf	-Inf	95.49	3	Horizontal	190.7	2.86	-	31.80	5.60	32.46
AV	5.20115G	95.16	Inf	-Inf	90.22	3	Horizontal	190.7	2.86	-	31.80	5.60	32.46

### 4-DQPSK

### 5202.35MHz\_TnomVnom

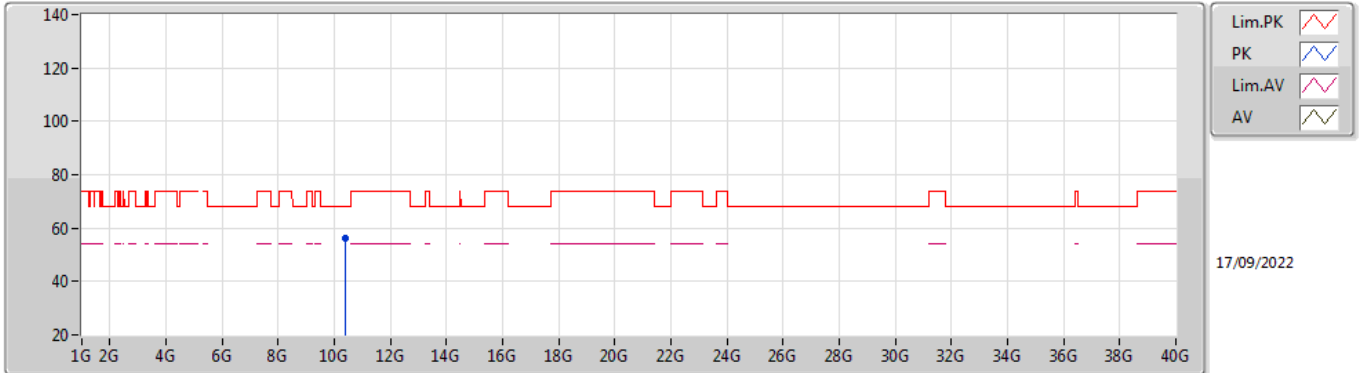


EUT\_Z\_1TX  
Setting 0x05  
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.40326G	55.78	68.20	-12.42	41.77	3	Vertical	97	1.56	-	40.10	8.54	34.63

### 4-DQPSK

### 5202.35MHz\_TnomVnom

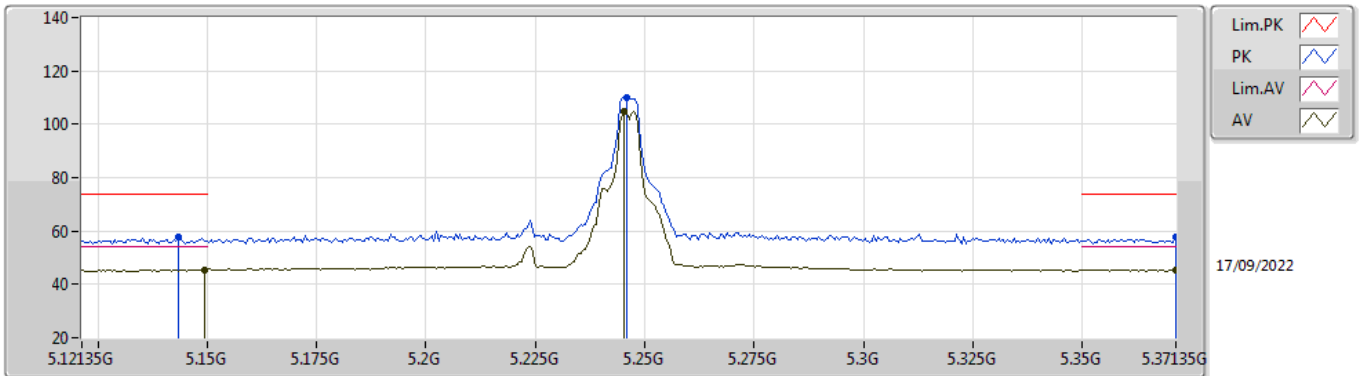


EUT\_Z\_1TX  
Setting 0x05  
06-E-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.40314G	56.34	68.20	-11.86	42.33	3	Horizontal	87	2.56	-	40.10	8.54	34.63

### 4-DQPSK

### 5246.35MHz\_TnomVnom

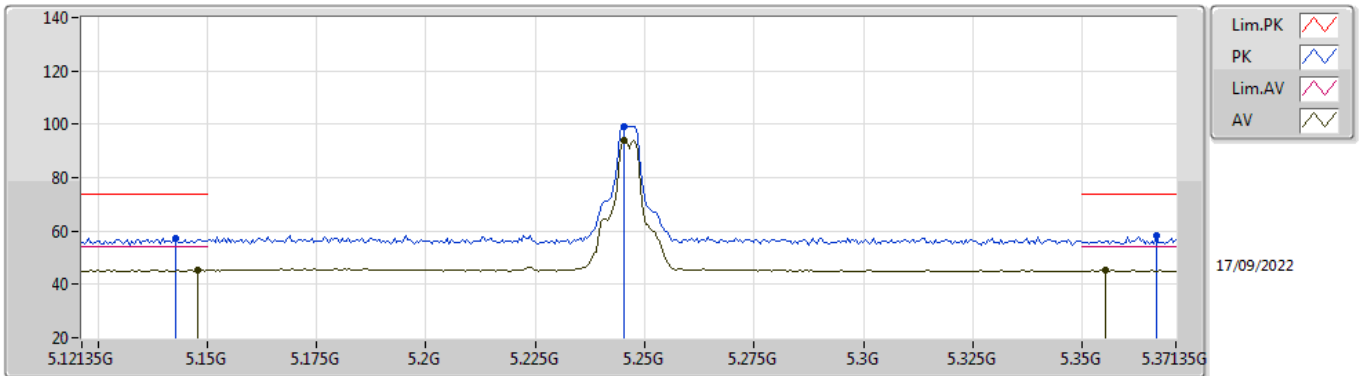


EUT\_X\_1TX  
Setting 0x05  
06-E-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.14335G	57.60	74.00	-16.40	52.61	3	Vertical	62.7	1.08	-	31.91	5.54	32.46
AV	5.14935G	45.56	54.00	-8.44	40.57	3	Vertical	62.7	1.08	-	31.90	5.55	32.46
PK	5.24585G	110.16	Inf	-Inf	105.39	3	Vertical	62.7	1.08	-	31.62	5.62	32.47
AV	5.24535G	104.93	Inf	-Inf	100.16	3	Vertical	62.7	1.08	-	31.62	5.62	32.47
PK	5.37135G	57.66	74.00	-16.34	53.06	3	Vertical	62.7	1.08	-	31.39	5.69	32.48
AV	5.37135G	45.51	54.00	-8.49	40.91	3	Vertical	62.7	1.08	-	31.39	5.69	32.48

### 4-DQPSK

### 5246.35MHz\_TnomVnom

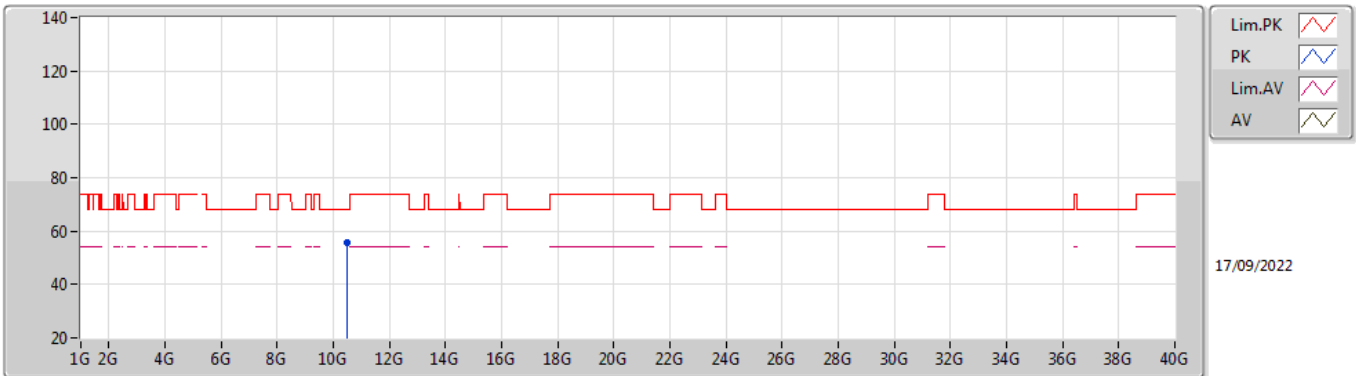


EUT\_X\_1TX  
Setting 0x05  
06-E-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.14285G	57.27	74.00	-16.73	52.28	3	Horizontal	193	2.96	-	31.91	5.54	32.46
AV	5.14785G	45.29	54.00	-8.71	40.30	3	Horizontal	193	2.96	-	31.90	5.55	32.46
PK	5.24535G	99.30	Inf	-Inf	94.53	3	Horizontal	193	2.96	-	31.62	5.62	32.47
AV	5.24535G	94.18	Inf	-Inf	89.41	3	Horizontal	193	2.96	-	31.62	5.62	32.47
PK	5.36685G	58.09	74.00	-15.91	53.52	3	Horizontal	193	2.96	-	31.37	5.68	32.48
AV	5.35535G	45.27	54.00	-8.73	40.75	3	Horizontal	193	2.96	-	31.32	5.68	32.48

### 4-DQPSK

### 5246.35MHz\_TnomVnom

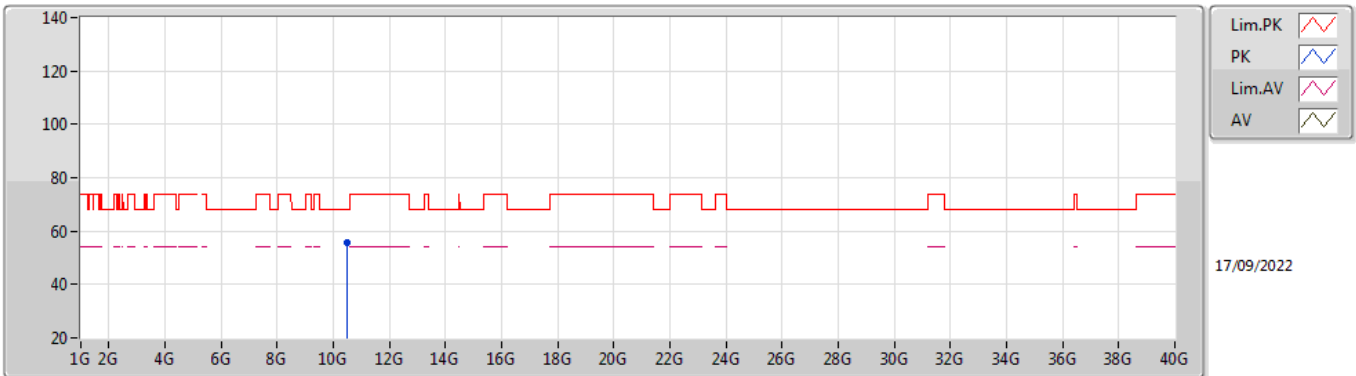


EUT\_Z\_1TX  
 Setting 0x05  
 06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.4976G	55.67	68.20	-12.53	41.57	3	Vertical	310	1.19	-	40.20	8.60	34.70

### 4-DQPSK

#### 5246.35MHz\_TnomVnom



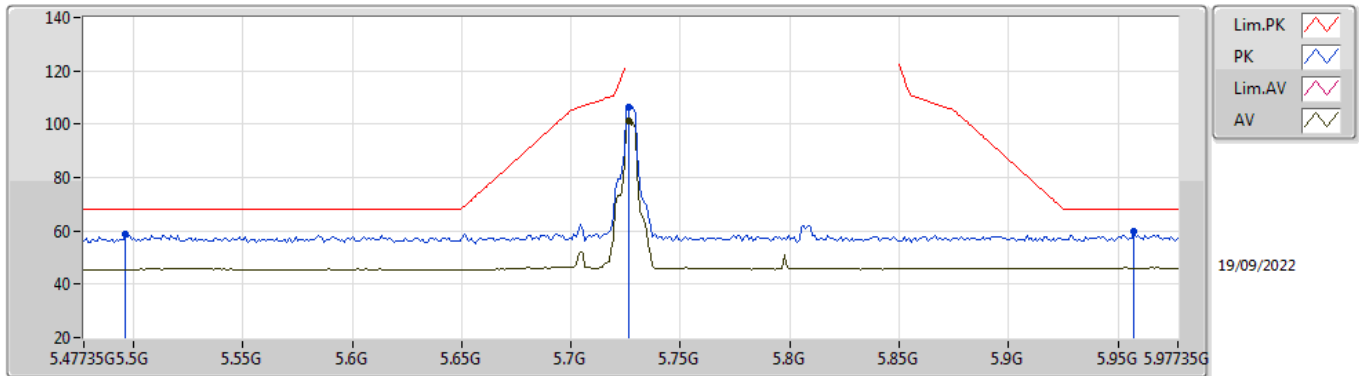
EUT\_Z\_1TX  
 Setting 0x05  
 06-E-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.49196G	55.93	68.20	-12.27	41.83	3	Horizontal	221	2.98	-	40.19	8.60	34.69



### 4-DQPSK

### 5727.35MHz\_TnomVnom

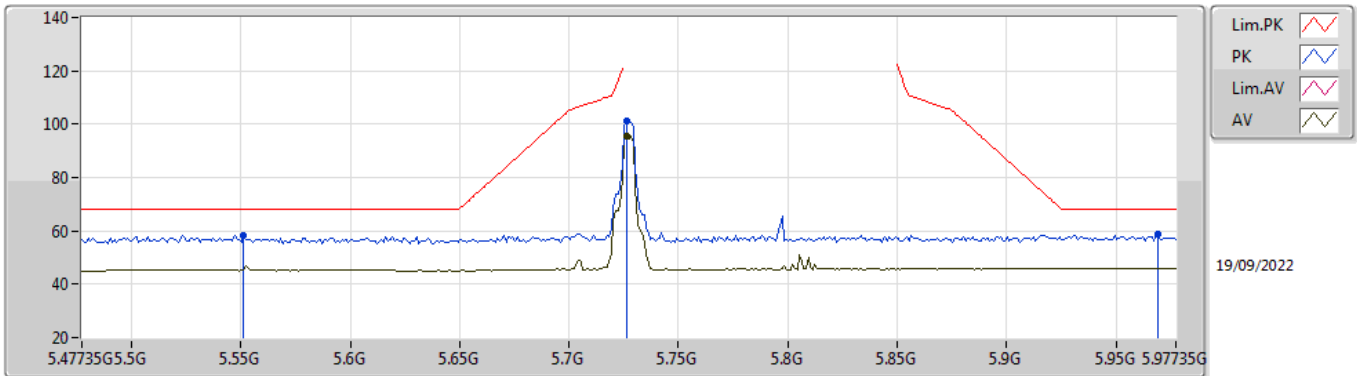


EUT\_X\_1TX  
Setting 0x05  
06-E-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.49635G	58.63	68.20	-9.57	53.44	3	Vertical	45	1.06	-	31.89	5.80	32.50
PK	5.72635G	106.58	Inf	-Inf	101.00	3	Vertical	45	1.06	-	32.11	5.90	32.43
AV	5.72635G	101.24	Inf	-Inf	95.66	3	Vertical	45	1.06	-	32.11	5.90	32.43
PK	5.95735G	60.03	68.20	-8.17	53.73	3	Vertical	45	1.06	-	32.59	6.06	32.35

### 4-DQPSK

### 5727.35MHz\_TnomVnom

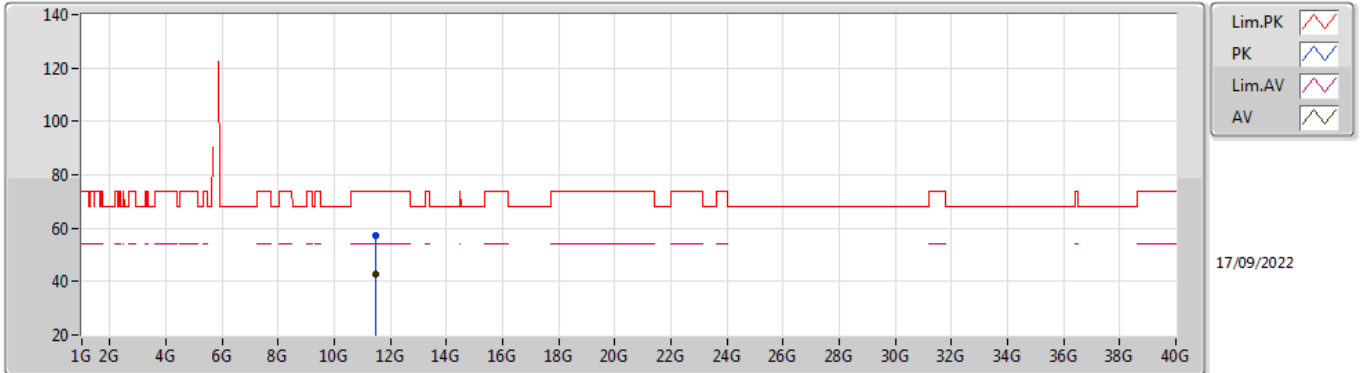


EUT\_X\_1TX  
Setting 0x05  
06-E-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.55135G	58.25	68.20	-9.95	52.98	3	Horizontal	226	1.00	-	31.90	5.85	32.48
PK	5.72635G	100.97	Inf	-Inf	95.39	3	Horizontal	226	1.00	-	32.11	5.90	32.43
AV	5.72635G	95.74	Inf	-Inf	90.16	3	Horizontal	226	1.00	-	32.11	5.90	32.43
PK	5.96935G	58.78	68.20	-9.42	52.50	3	Horizontal	226	1.00	-	32.56	6.07	32.35

### 4-DQPSK

### 5727.35MHz\_TnomVnom

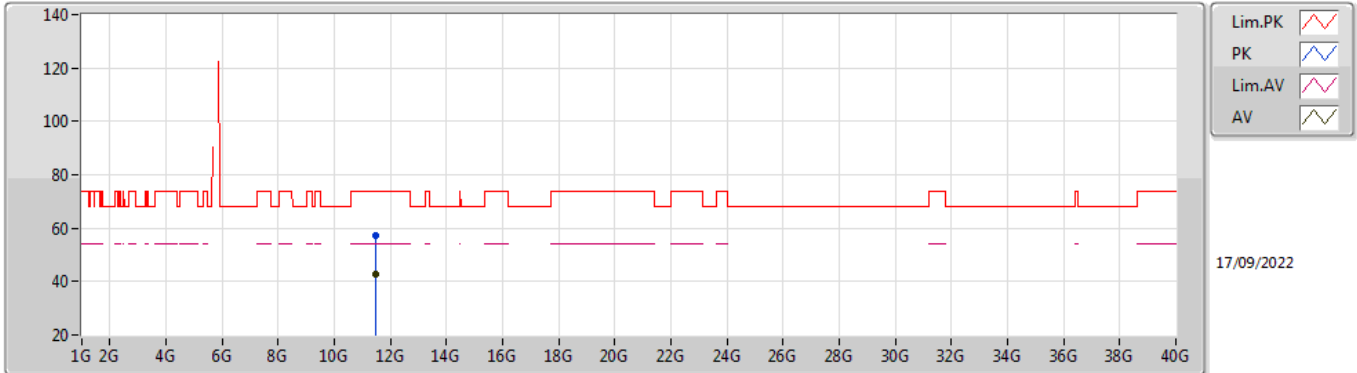


EUT\_Z\_1TX  
Setting 0x05  
06-E-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.45668G	57.07	74.00	-16.93	42.43	3	Vertical	298	1.02	-	40.10	9.17	34.63
AV	11.45578G	42.93	54.00	-11.07	28.29	3	Vertical	298	1.02	-	40.10	9.17	34.63

### 4-DQPSK

### 5727.35MHz\_TnomVnom

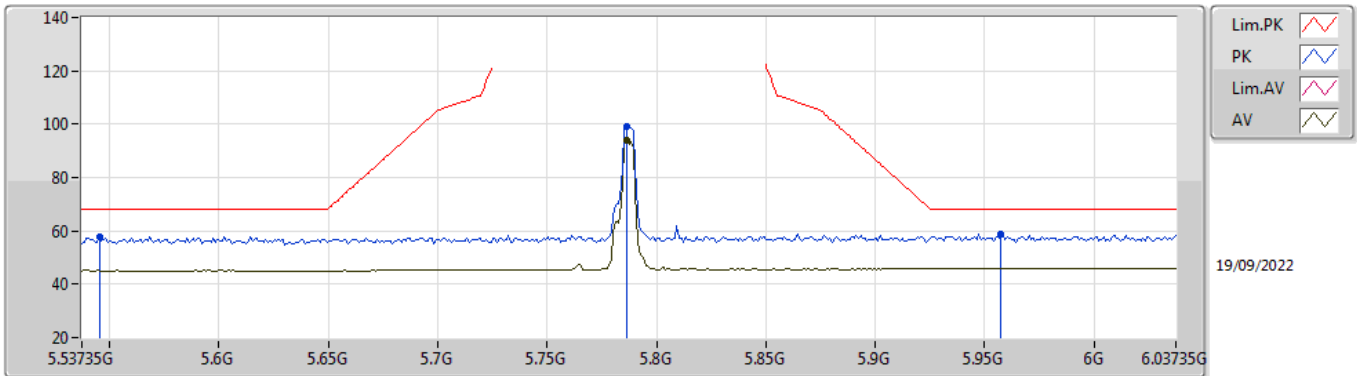


EUT\_Z\_1TX  
Setting 0x05  
06-E-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.45558G	57.50	74.00	-16.50	42.86	3	Horizontal	61	2.75	-	40.10	9.17	34.63
AV	11.45862G	42.94	54.00	-11.06	28.29	3	Horizontal	61	2.75	-	40.10	9.18	34.63

### 4-DQPSK

### 5787.35MHz\_TnomVnom

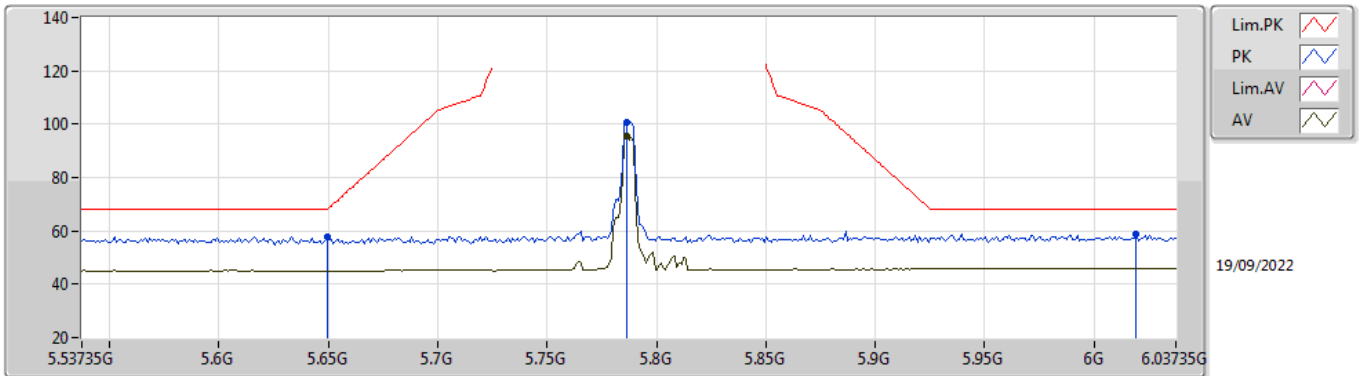


EUT\_X\_1TX  
Setting 0x05  
06-E-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.54535G	57.76	68.20	-10.44	52.50	3	Vertical	270	1.80	-	31.90	5.85	32.49
PK	5.78635G	99.20	Inf	-Inf	93.44	3	Vertical	270	1.80	-	32.27	5.90	32.41
AV	5.78635G	94.16	Inf	-Inf	88.40	3	Vertical	270	1.80	-	32.27	5.90	32.41
PK	5.95735G	58.93	68.20	-9.27	52.63	3	Vertical	270	1.80	-	32.59	6.06	32.35

### 4-DQPSK

### 5787.35MHz\_TnomVnom

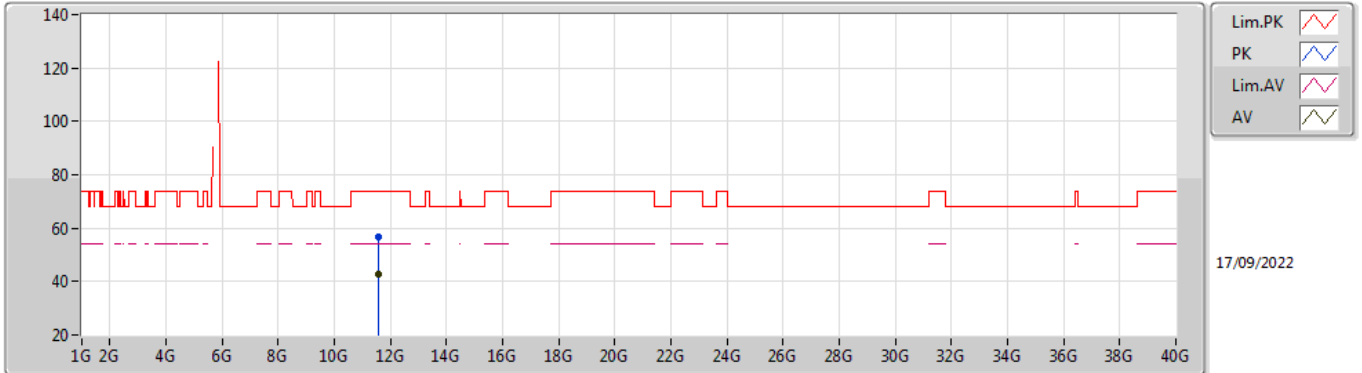


EUT\_X\_1TX  
Setting 0x05  
06-E-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.64935G	57.77	68.20	-10.43	52.52	3	Horizontal	211	2.76	-	31.80	5.90	32.45
PK	5.78635G	100.87	Inf	-Inf	95.11	3	Horizontal	211	2.76	-	32.27	5.90	32.41
AV	5.78635G	95.75	Inf	-Inf	89.99	3	Horizontal	211	2.76	-	32.27	5.90	32.41
PK	6.01935G	58.86	68.20	-9.34	52.59	3	Horizontal	211	2.76	-	32.54	6.10	32.37

### 4-DQPSK

### 5787.35MHz\_TnomVnom

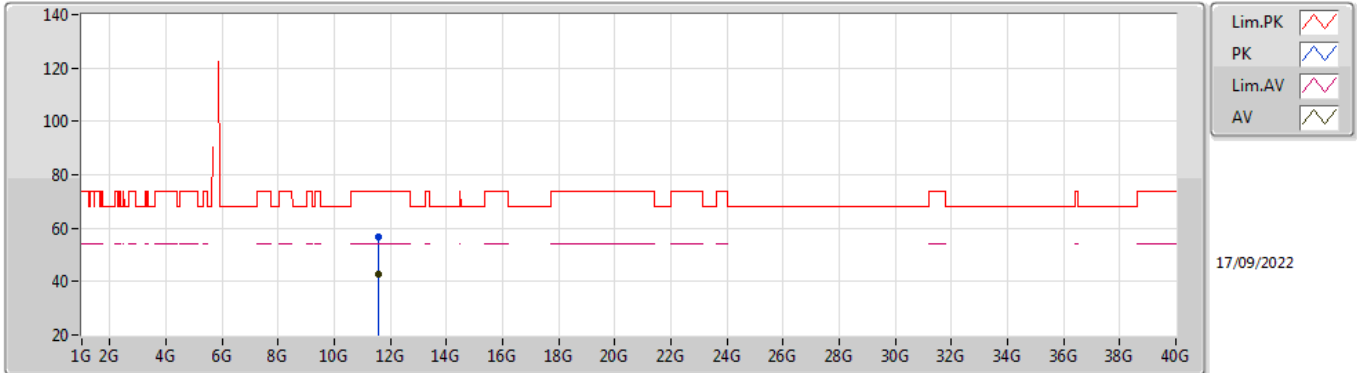


EUT\_Z\_1TX  
Setting 0x05  
06-E-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.57762G	56.49	74.00	-17.51	41.94	3	Vertical	258	1.29	-	39.94	9.25	34.64
AV	11.57882G	42.88	54.00	-11.12	28.33	3	Vertical	258	1.29	-	39.94	9.25	34.64

### 4-DQPSK

### 5787.35MHz\_TnomVnom



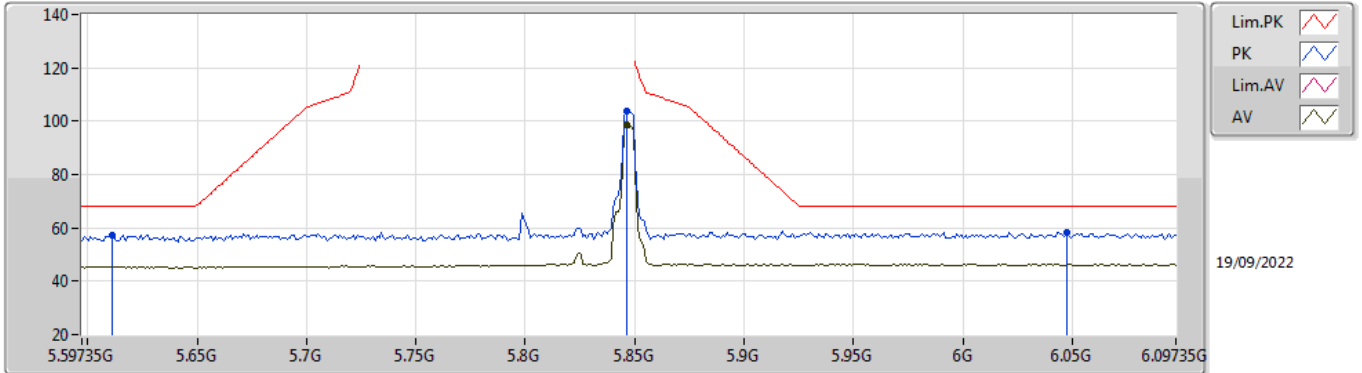
EUT\_Z\_1TX  
Setting 0x05  
06-E-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.57236G	56.96	74.00	-17.04	42.40	3	Horizontal	347	2.91	-	39.96	9.24	34.64
AV	11.57898G	42.90	54.00	-11.10	28.35	3	Horizontal	347	2.91	-	39.94	9.25	34.64



### 4-DQPSK

### 5847.35MHz\_TnomVnom

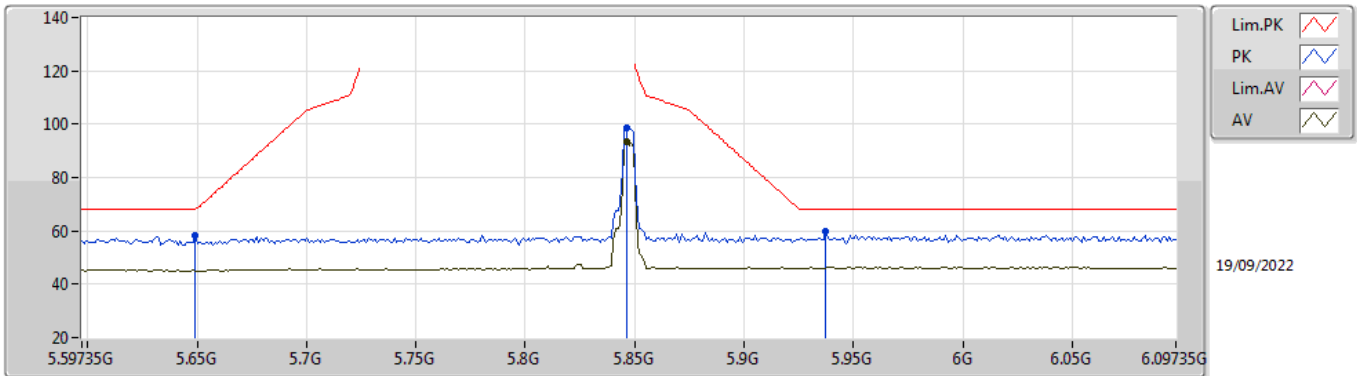


EUT X\_1TX  
Setting 0x05  
06-E-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.61135G	57.50	68.20	-10.70	52.18	3	Vertical	243	1.00	-	31.88	5.90	32.46
PK	5.84635G	103.77	Inf	-Inf	97.91	3	Vertical	243	1.00	-	32.30	5.95	32.39
AV	5.84635G	98.57	Inf	-Inf	92.71	3	Vertical	243	1.00	-	32.30	5.95	32.39
PK	6.04735G	58.40	68.20	-9.80	52.12	3	Vertical	243	1.00	-	32.59	6.10	32.41

### 4-DQPSK

### 5847.35MHz\_TnomVnom

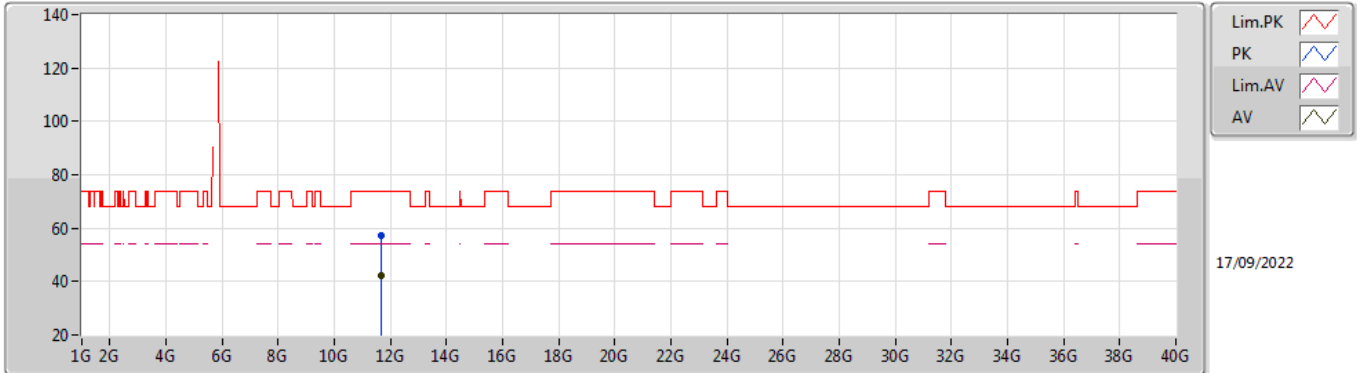


EUT\_X\_1TX  
Setting 0x05  
06-E-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.64935G	58.17	68.20	-10.03	52.92	3	Horizontal	21	2.58	-	31.80	5.90	32.45
PK	5.84635G	98.42	Inf	-Inf	92.56	3	Horizontal	21	2.58	-	32.30	5.95	32.39
AV	5.84635G	93.50	Inf	-Inf	87.64	3	Horizontal	21	2.58	-	32.30	5.95	32.39
PK	5.93735G	59.62	68.20	-8.58	53.34	3	Horizontal	21	2.58	-	32.60	6.04	32.36

### 4-DQPSK

### 5847.35MHz\_TnomVnom

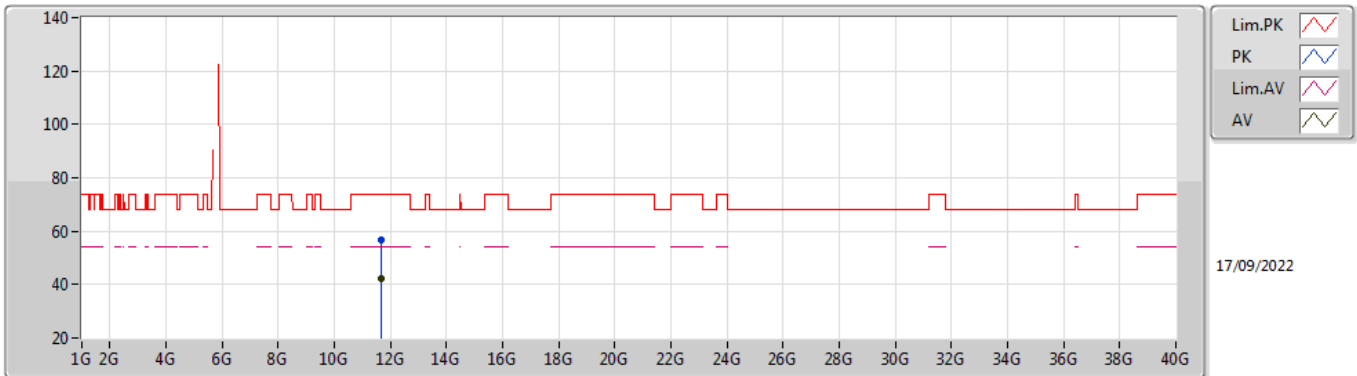


EUT\_Z\_1TX  
Setting 0x05  
06-E-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.69218G	57.20	74.00	-16.80	43.18	3	Vertical	338	2.95	-	39.35	9.32	34.65
AV	11.69142G	42.37	54.00	-11.63	28.36	3	Vertical	338	2.95	-	39.35	9.31	34.65

### 4-DQPSK

### 5847.35MHz\_TnomVnom



EUT\_Z\_1TX  
Setting 0x05  
06-E-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.6936G	56.51	74.00	-17.49	42.50	3	Horizontal	134	1.74	-	39.34	9.32	34.65
AV	11.69148G	42.36	54.00	-11.64	28.35	3	Horizontal	134	1.74	-	39.35	9.31	34.65

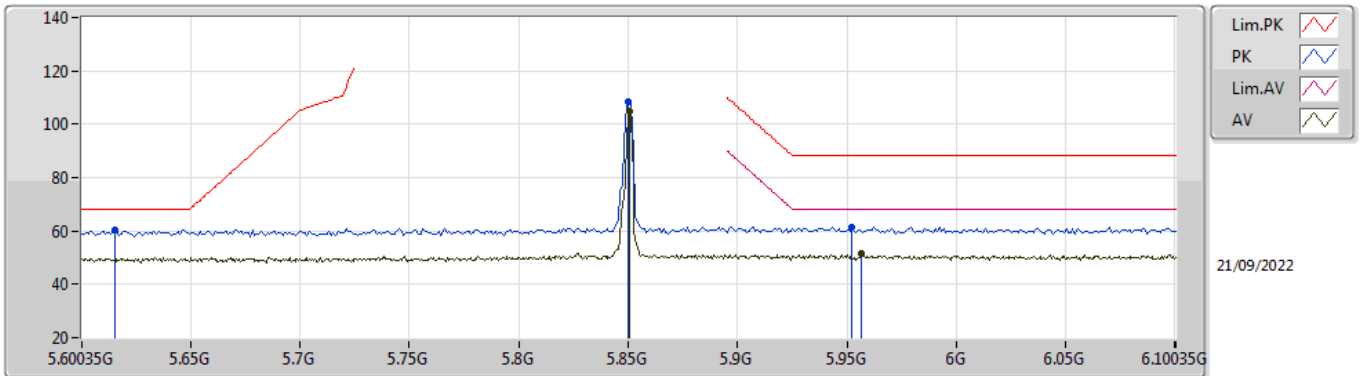


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.85-5.895GHz	-	-	-	-	-	-	-	-	-	-	-
pi/4-DQPSK	Pass	AV	11.7459G	53.31	54.00	-0.69	3	Vertical	357	2.97	-

### 4-DQPSK

### 5850.35MHz\_TnomVnom

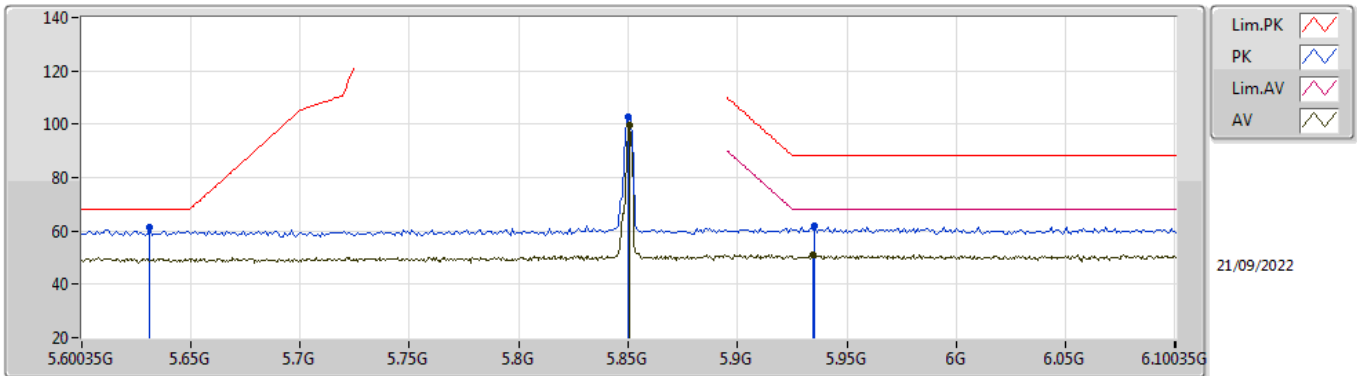


EUT\_X\_1TX  
Setting 0x05  
03-R-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.61535G	60.39	68.20	-7.81	53.31	3	Vertical	259	1.01	-	34.57	7.40	34.89
PK	5.85G	108.21	Inf	-Inf	101.40	3	Vertical	259	1.01	-	34.30	7.45	34.94
AV	5.85035G	104.70	Inf	-Inf	97.89	3	Vertical	259	1.01	-	34.30	7.45	34.94
PK	5.95235G	61.49	88.20	-26.71	54.10	3	Vertical	259	1.01	-	34.80	7.55	34.96
RMS	5.95635G	51.44	68.20	-16.76	44.04	3	Vertical	259	1.01	-	34.80	7.56	34.96

### 4-DQPSK

### 5850.35MHz\_TnomVnom

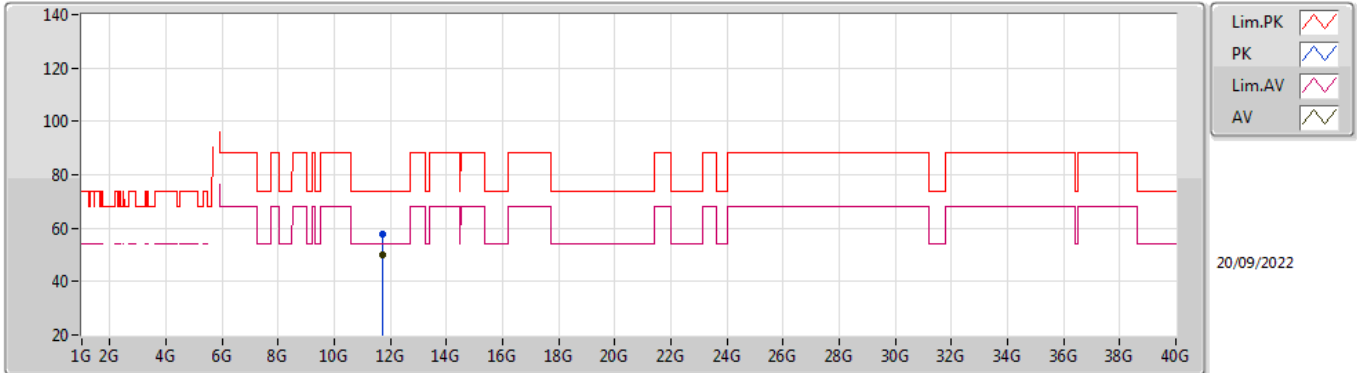


EUT\_X\_1TX  
Setting 0x05  
03-R-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.63135G	61.15	68.20	-7.05	54.10	3	Horizontal	335	1.03	-	34.54	7.40	34.89
PK	5.85G	102.73	Inf	-Inf	95.92	3	Horizontal	335	1.03	-	34.30	7.45	34.94
AV	5.85035G	99.45	Inf	-Inf	92.64	3	Horizontal	335	1.03	-	34.30	7.45	34.94
PK	5.93535G	61.67	88.20	-26.53	54.35	3	Horizontal	335	1.03	-	34.74	7.54	34.96
RMS	5.93435G	51.03	68.20	-17.17	43.72	3	Horizontal	335	1.03	-	34.74	7.53	34.96

### 4-DQPSK

### 5850.35MHz\_TnomVnom



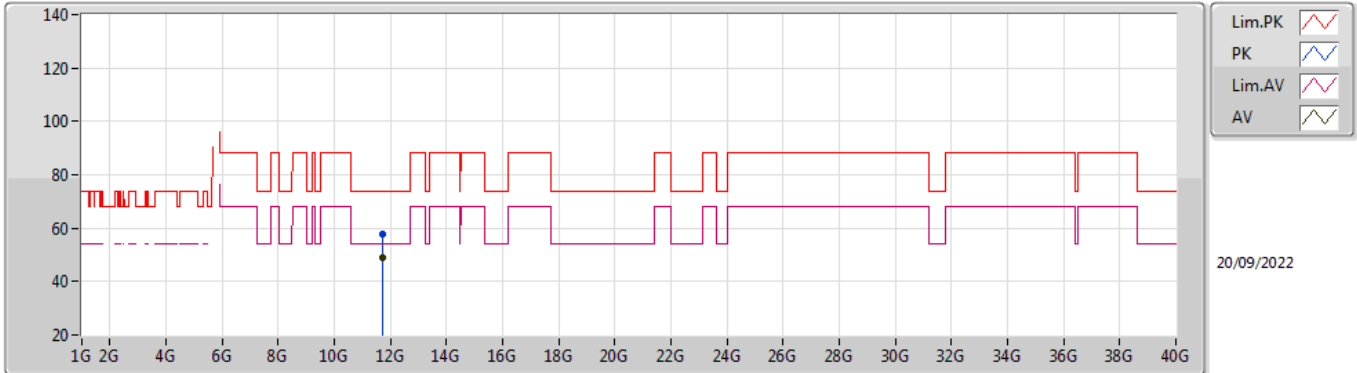
EUT\_Z\_1TX  
Setting 0x05  
03-R-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.69764G	58.00	74.00	-16.00	42.81	3	Vertical	0	3.00	-	39.40	10.75	34.96
AV	11.69788G	50.16	54.00	-3.84	34.97	3	Vertical	0	3.00	-	39.40	10.75	34.96



### 4-DQPSK

### 5850.35MHz\_TnomVnom

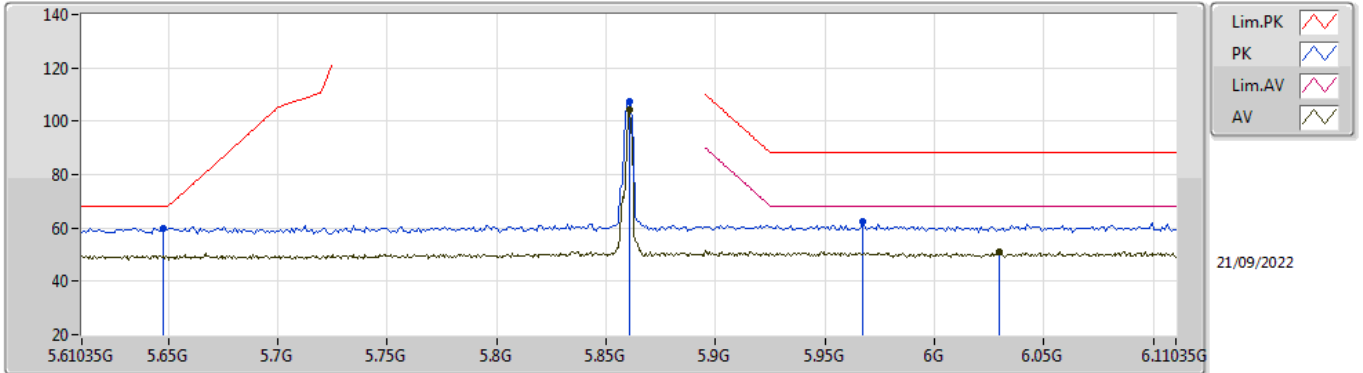


EUT\_Z\_1TX  
Setting 0x05  
03-R-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.698G	57.66	74.00	-16.34	42.47	3	Horizontal	44	1.03	-	39.40	10.75	34.96
AV	11.69788G	48.82	54.00	-5.18	33.63	3	Horizontal	44	1.03	-	39.40	10.75	34.96

### 4-DQPSK

### 5860.35MHz\_TnomVnom

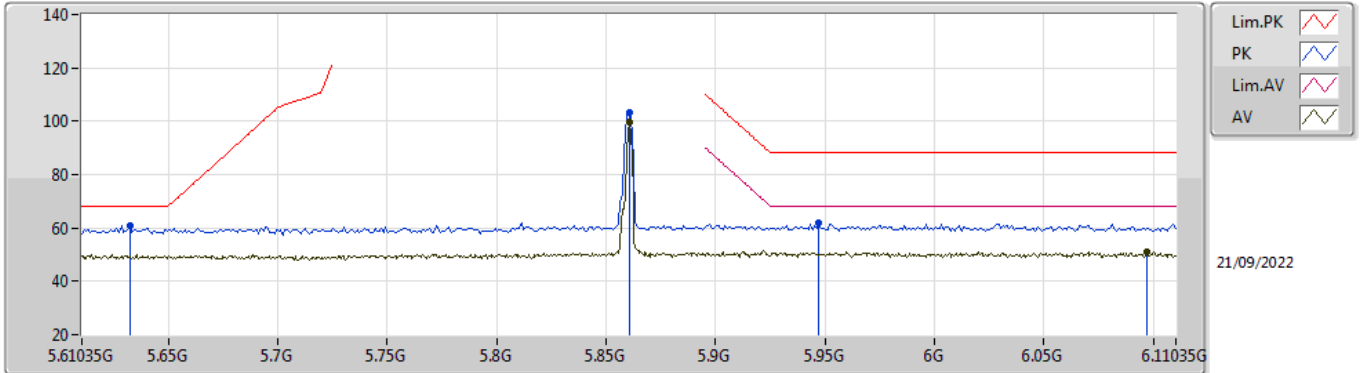


EUT\_X\_1TX  
Setting 0x05  
03-R-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.64735G	60.02	68.20	-8.18	53.00	3	Vertical	259	1.02	-	34.51	7.40	34.89
PK	5.86035G	107.64	Inf	-Inf	100.76	3	Vertical	259	1.02	-	34.36	7.46	34.94
AV	5.86035G	104.06	Inf	-Inf	97.18	3	Vertical	259	1.02	-	34.36	7.46	34.94
PK	5.96735G	62.33	88.20	-25.87	54.92	3	Vertical	259	1.02	-	34.80	7.57	34.96
RMS	6.02985G	51.08	68.20	-17.12	43.58	3	Vertical	259	1.02	-	34.86	7.61	34.97

### 4-DQPSK

### 5860.35MHz\_TnomVnom

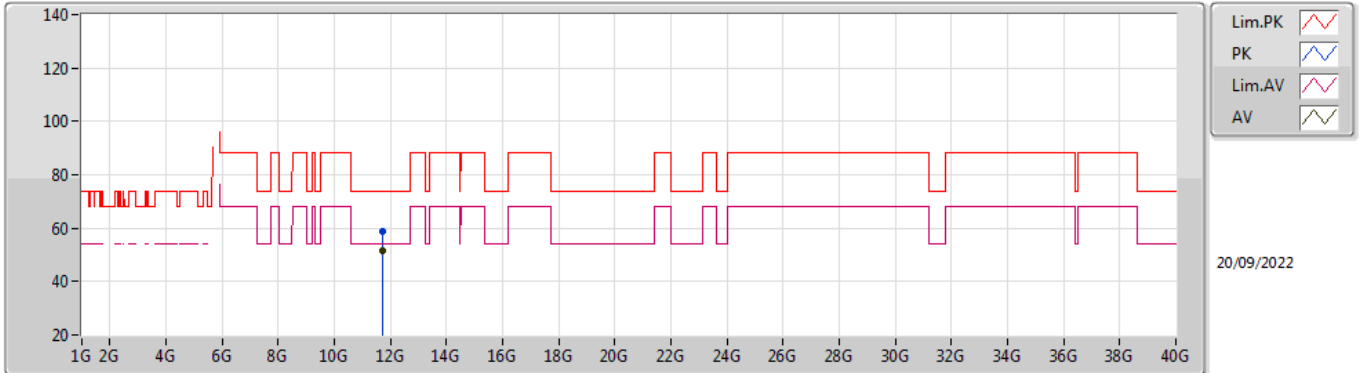


EUT\_X\_1TX  
Setting 0x05  
03-R-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.63235G	61.06	68.20	-7.14	54.01	3	Horizontal	207	2.66	-	34.54	7.40	34.89
PK	5.86035G	103.19	Inf	-Inf	96.31	3	Horizontal	207	2.66	-	34.36	7.46	34.94
AV	5.86085G	99.52	Inf	-Inf	92.63	3	Horizontal	207	2.66	-	34.37	7.46	34.94
PK	5.94735G	61.89	88.20	-26.31	54.51	3	Horizontal	207	2.66	-	34.79	7.55	34.96
RMS	6.09685G	51.01	68.20	-17.19	43.35	3	Horizontal	207	2.66	-	34.99	7.65	34.98

### 4-DQPSK

### 5860.35MHz\_TnomVnom

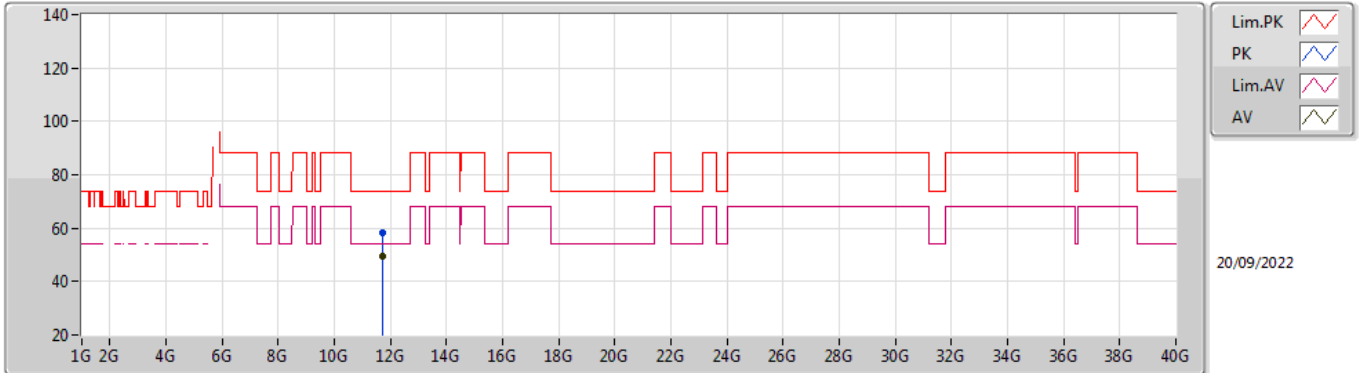


EUT\_Z\_1TX  
Setting 0x05  
03-R-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.71794G	58.80	74.00	-15.20	43.59	3	Vertical	0	2.97	-	39.42	10.76	34.97
AV	11.71788G	51.74	54.00	-2.26	36.53	3	Vertical	0	2.97	-	39.42	10.76	34.97

### 4-DQPSK

### 5860.35MHz\_TnomVnom

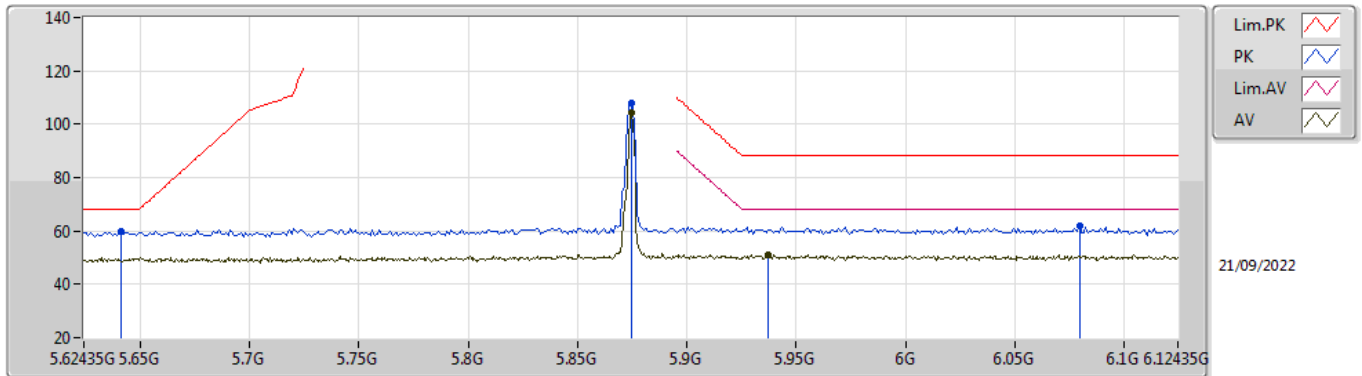


EUT\_Z\_1TX  
Setting 0x05  
03-R-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.71812G	58.24	74.00	-15.76	43.03	3	Horizontal	44	1.08	-	39.42	10.76	34.97
AV	11.71788G	49.47	54.00	-4.53	34.26	3	Horizontal	44	1.08	-	39.42	10.76	34.97

### 4-DQPSK

### 5874.35MHz\_TnomVnom

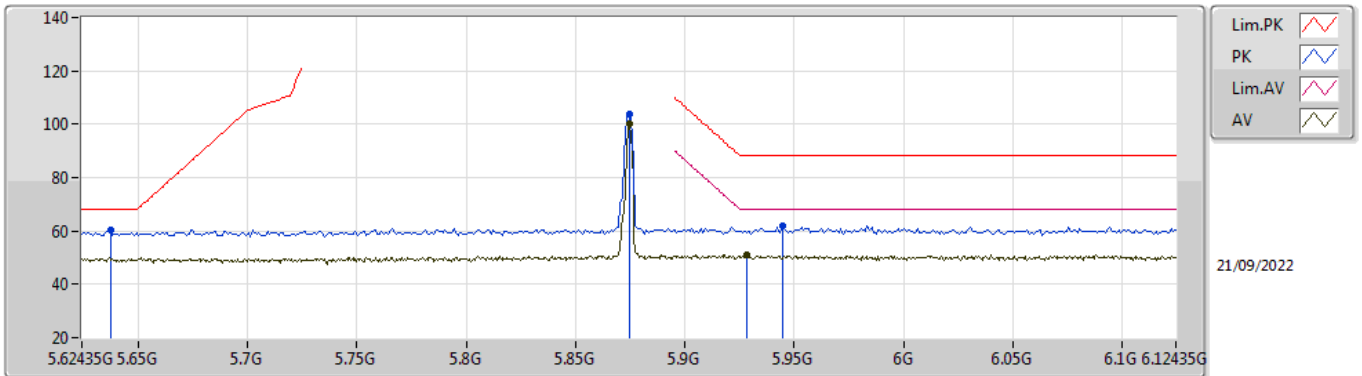


EUT\_X\_1TX  
Setting 0x05  
03-R-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.64135G	59.68	68.20	-8.52	52.65	3	Vertical	262	1.04	-	34.52	7.40	34.89
PK	5.87435G	108.02	Inf	-Inf	101.04	3	Vertical	262	1.04	-	34.45	7.47	34.94
AV	5.87435G	104.48	Inf	-Inf	97.50	3	Vertical	262	1.04	-	34.45	7.47	34.94
RMS	5.93735G	50.96	68.20	-17.24	43.63	3	Vertical	262	1.04	-	34.75	7.54	34.96
PK	6.07935G	62.05	88.20	-26.15	54.43	3	Vertical	262	1.04	-	34.96	7.64	34.98

### 4-DQPSK

### 5874.35MHz\_TnomVnom

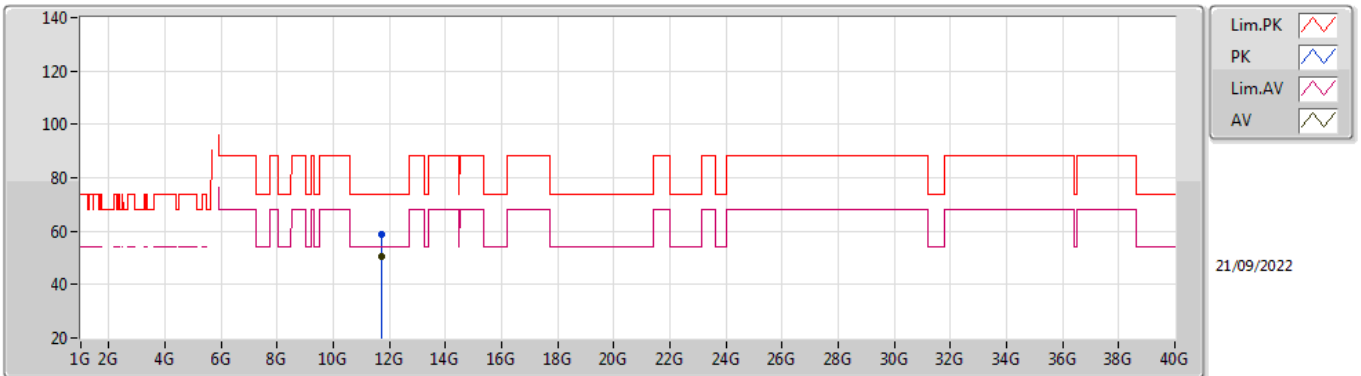


EUT\_X\_1TX  
Setting 0x05  
03-R-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.63735G	60.11	68.20	-8.09	53.07	3	Horizontal	207	2.62	-	34.53	7.40	34.89
PK	5.87435G	103.58	Inf	-Inf	96.60	3	Horizontal	207	2.62	-	34.45	7.47	34.94
AV	5.87435G	100.34	Inf	-Inf	93.36	3	Horizontal	207	2.62	-	34.45	7.47	34.94
PK	5.94435G	62.00	88.20	-26.20	54.64	3	Horizontal	207	2.62	-	34.78	7.54	34.96
RMS	5.92835G	50.85	68.20	-17.35	43.56	3	Horizontal	207	2.62	-	34.71	7.53	34.95

### 4-DQPSK

### 5874.35MHz\_TnomVnom



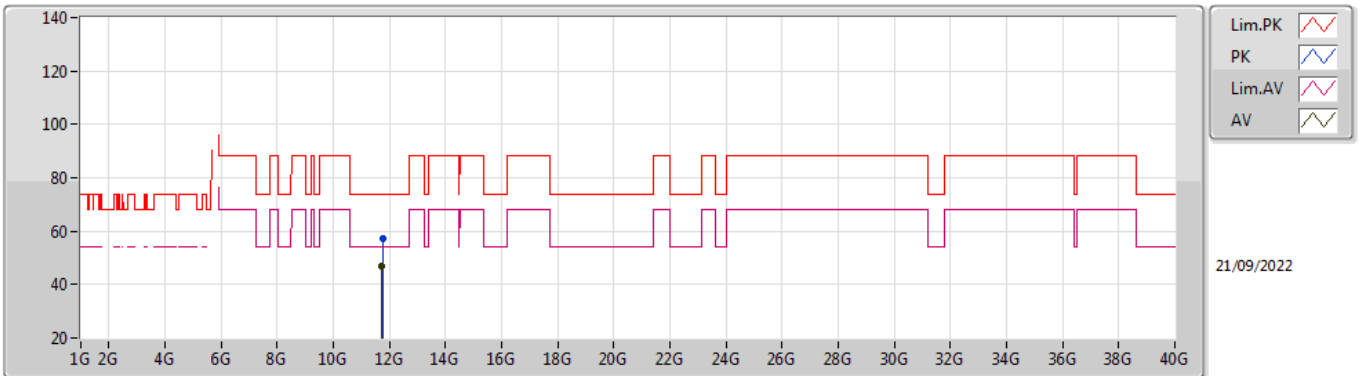
EUT\_Z\_1TX  
Setting 0x05  
03-R-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.74576G	58.69	74.00	-15.31	43.46	3	Vertical	360	2.97	-	39.45	10.76	34.98
AV	11.74588G	50.36	54.00	-3.64	35.13	3	Vertical	360	2.97	-	39.45	10.76	34.98



### 4-DQPSK

### 5874.35MHz\_TnomVnom

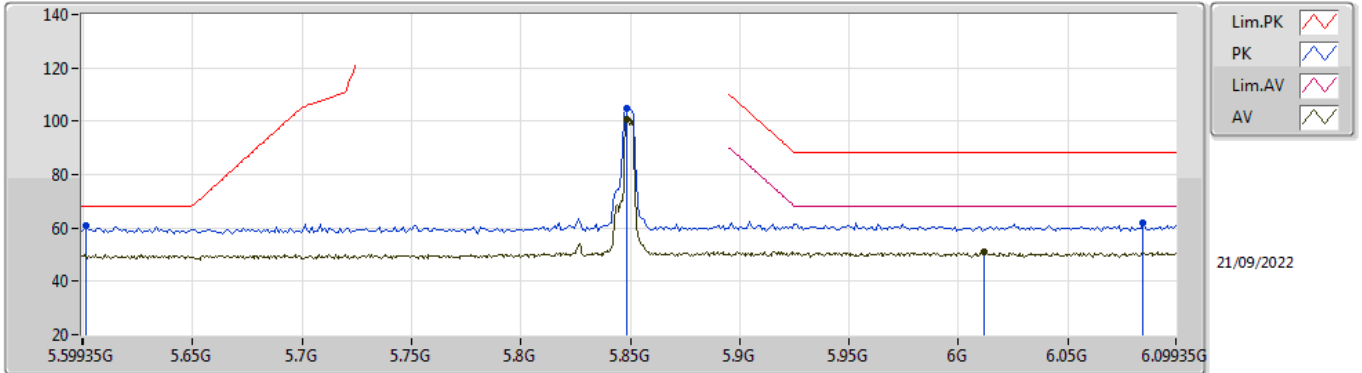


EUT\_Z\_1TX  
 Setting 0x05  
 03-R-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.746G	57.48	74.00	-16.52	42.25	3	Horizontal	340	1.03	-	39.45	10.76	34.98
AV	11.74588G	46.89	54.00	-7.11	31.66	3	Horizontal	340	1.03	-	39.45	10.76	34.98

### 4-DQPSK

### 5849.35MHz\_TnomVnom

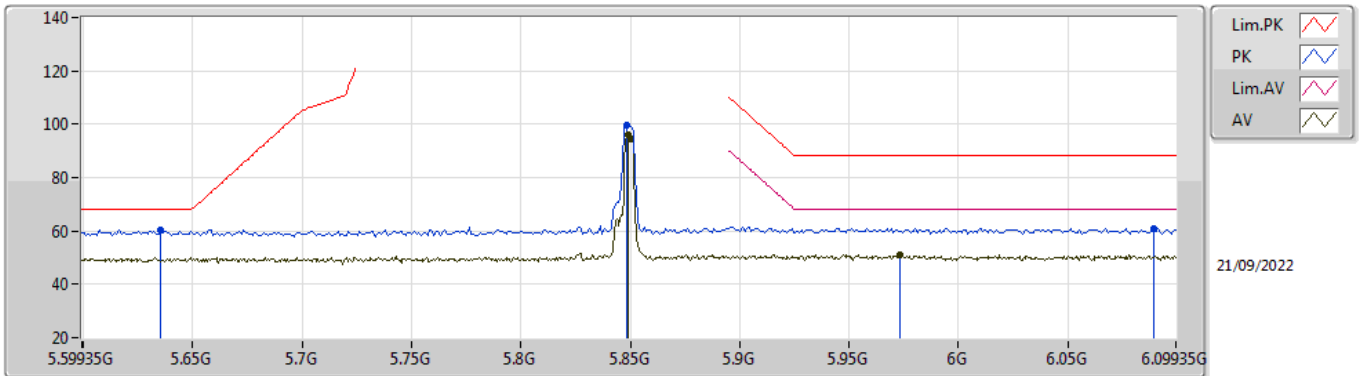


EUT\_X\_1TX  
Setting 0x05  
03-R-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.60135G	60.68	68.20	-7.52	53.56	3	Vertical	257	1.00	-	34.60	7.40	34.88
PK	5.84835G	104.60	Inf	-Inf	97.79	3	Vertical	257	1.00	-	34.30	7.45	34.94
AV	5.84835G	100.55	Inf	-Inf	93.74	3	Vertical	257	1.00	-	34.30	7.45	34.94
PK	6.08435G	61.67	88.20	-26.53	54.04	3	Vertical	257	1.00	-	34.97	7.64	34.98
RMS	6.01185G	50.94	68.20	-17.26	43.48	3	Vertical	257	1.00	-	34.82	7.61	34.97

### 4-DQPSK

### 5849.35MHz\_TnomVnom

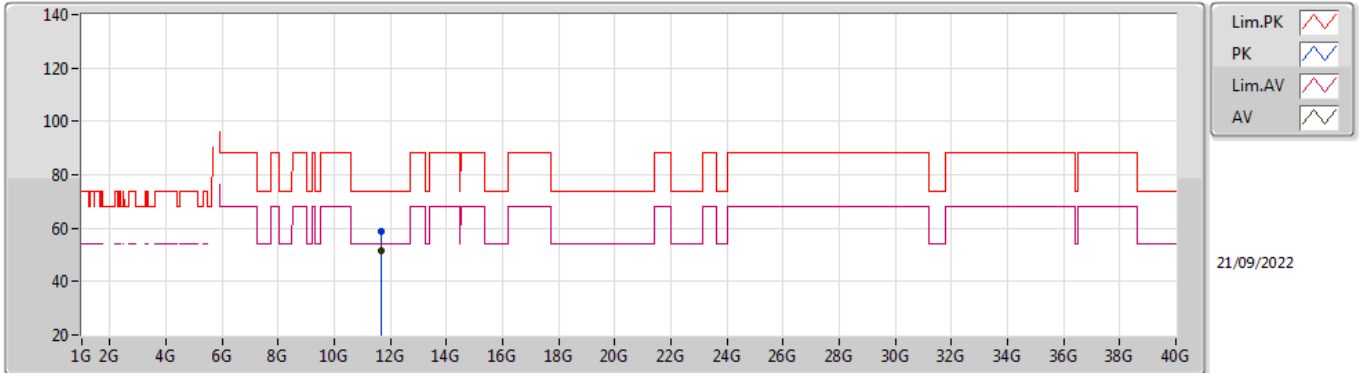


EUT\_X\_1TX  
Setting 0x05  
03-R-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.63535G	60.52	68.20	-7.68	53.48	3	Horizontal	207	2.63	-	34.53	7.40	34.89
PK	5.84835G	99.90	Inf	-Inf	93.09	3	Horizontal	207	2.63	-	34.30	7.45	34.94
AV	5.84885G	96.20	Inf	-Inf	89.39	3	Horizontal	207	2.63	-	34.30	7.45	34.94
PK	6.08935G	61.01	88.20	-27.19	53.37	3	Horizontal	207	2.63	-	34.98	7.64	34.98
RMS	5.97335G	51.03	68.20	-17.17	43.62	3	Horizontal	207	2.63	-	34.80	7.57	34.96

### 4-DQPSK

### 5849.35MHz\_TnomVnom

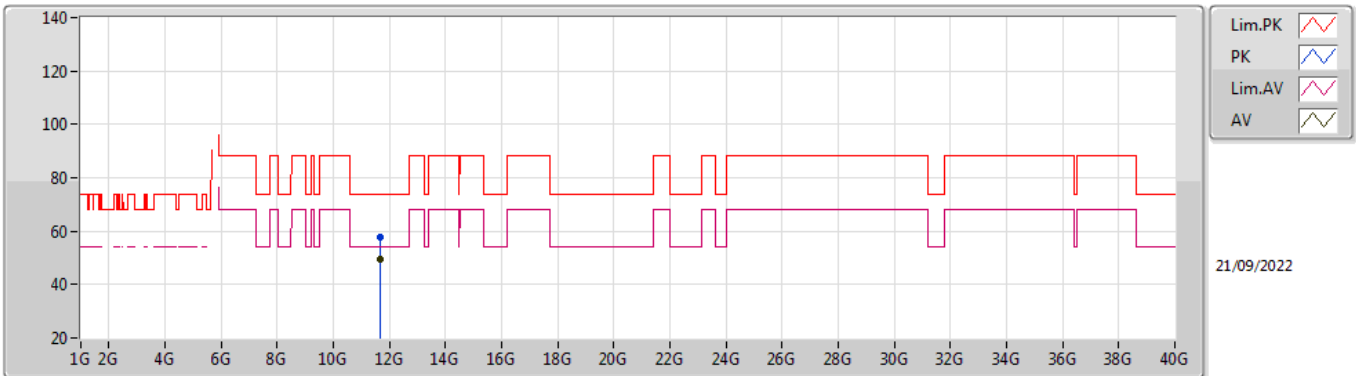


EUT\_Z\_1TX  
Setting 0x05  
03-R-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.69396G	58.72	74.00	-15.28	43.53	3	Vertical	0	3.00	-	39.40	10.75	34.96
AV	11.6939G	51.38	54.00	-2.62	36.19	3	Vertical	0	3.00	-	39.40	10.75	34.96

### 4-DQPSK

### 5849.35MHz\_TnomVnom

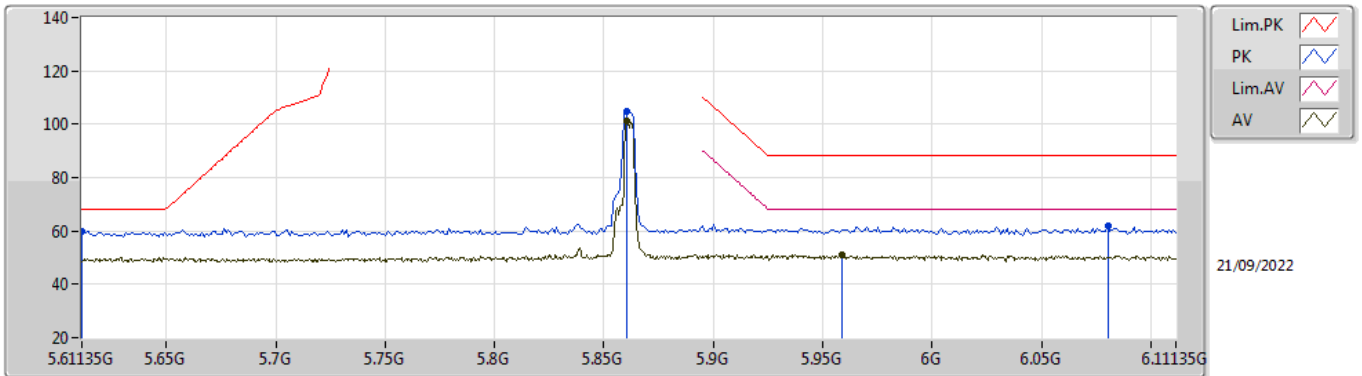


EUT\_Z\_1TX  
 Setting 0x05  
 03-R-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.69432G	57.60	74.00	-16.40	42.41	3	Horizontal	46	1.00	-	39.40	10.75	34.96
AV	11.69396G	49.35	54.00	-4.65	34.16	3	Horizontal	46	1.00	-	39.40	10.75	34.96

### 4-DQPSK

### 5861.35MHz\_TnomVnom

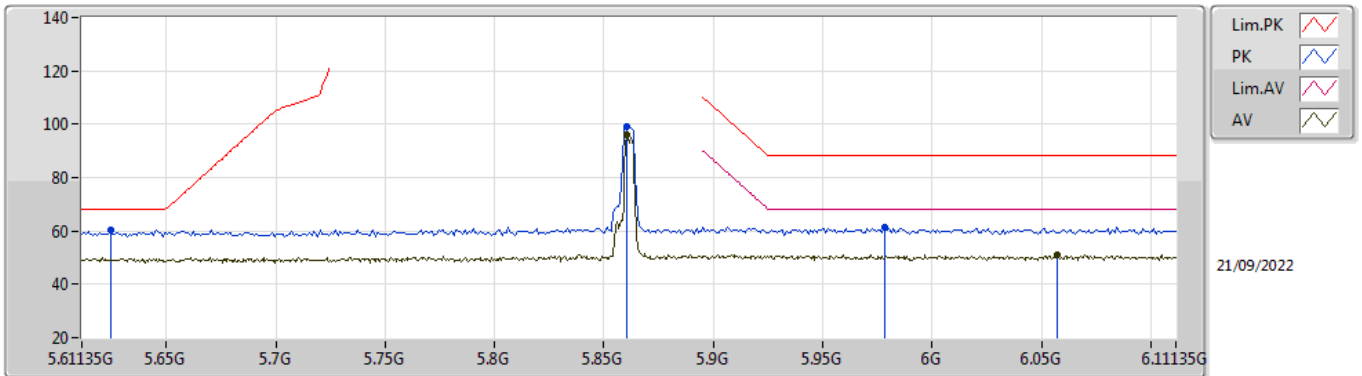


EUT\_X\_1TX  
Setting 0x05  
03-R-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.61135G	59.82	68.20	-8.38	52.72	3	Vertical	264	1.02	-	34.58	7.40	34.88
PK	5.86035G	104.94	Inf	-Inf	98.06	3	Vertical	264	1.02	-	34.36	7.46	34.94
AV	5.86035G	101.08	Inf	-Inf	94.20	3	Vertical	264	1.02	-	34.36	7.46	34.94
RMS	5.95885G	51.06	68.20	-17.14	43.66	3	Vertical	264	1.02	-	34.80	7.56	34.96
PK	6.08035G	61.75	88.20	-26.45	54.13	3	Vertical	264	1.02	-	34.96	7.64	34.98

### 4-DQPSK

### 5861.35MHz\_TnomVnom

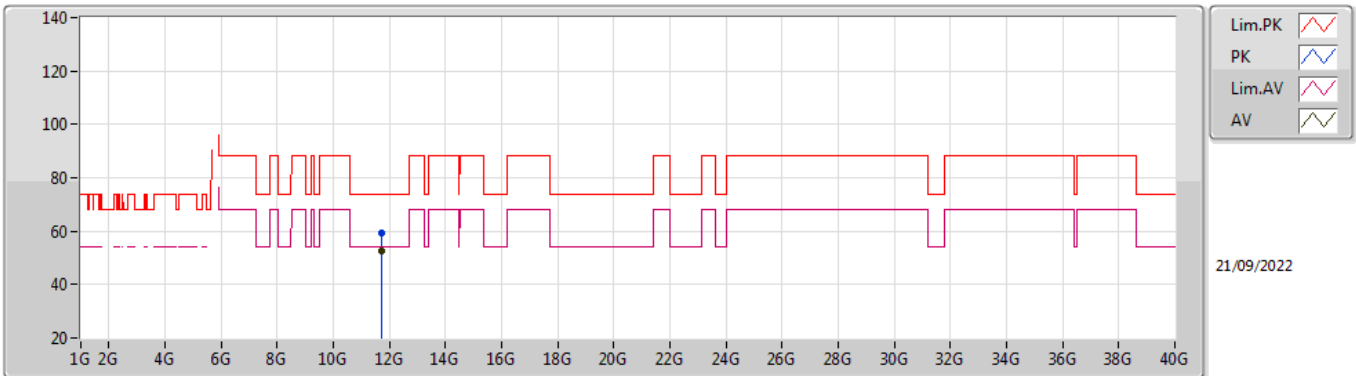


EUT\_X\_1TX  
Setting 0x05  
03-R-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.62435G	60.35	68.20	-7.85	53.29	3	Horizontal	326	1.04	-	34.55	7.40	34.89
PK	5.86035G	99.27	Inf	-Inf	92.39	3	Horizontal	326	1.04	-	34.36	7.46	34.94
AV	5.86035G	95.85	Inf	-Inf	88.97	3	Horizontal	326	1.04	-	34.36	7.46	34.94
PK	5.97835G	61.52	88.20	-26.68	54.11	3	Horizontal	326	1.04	-	34.80	7.58	34.97
RMS	6.05735G	50.85	68.20	-17.35	43.29	3	Horizontal	326	1.04	-	34.91	7.63	34.98

### 4-DQPSK

### 5861.35MHz\_TnomVnom



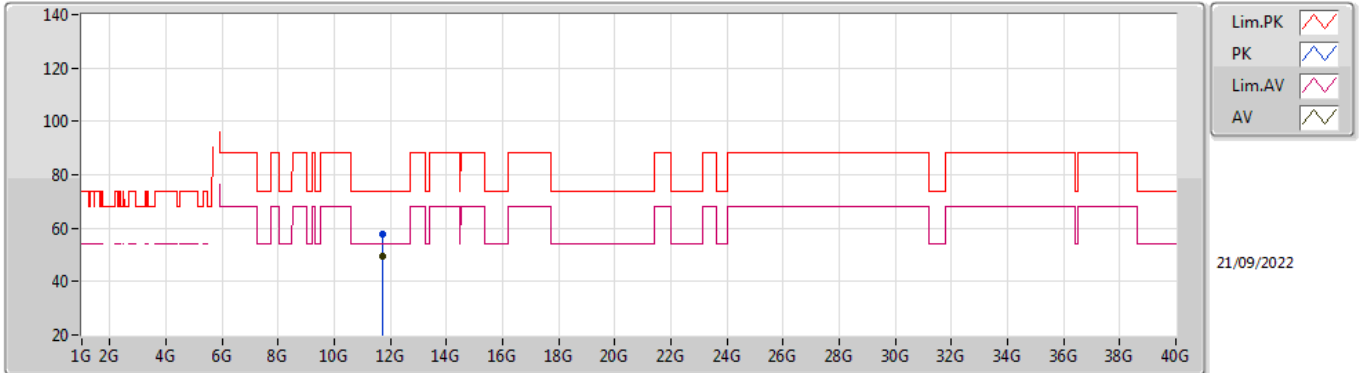
EUT\_Z\_1TX  
Setting 0x05  
03-R-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.71796G	59.51	74.00	-14.49	44.30	3	Vertical	1	2.98	-	39.42	10.76	34.97
AV	11.7179G	52.54	54.00	-1.46	37.33	3	Vertical	1	2.98	-	39.42	10.76	34.97



### 4-DQPSK

### 5861.35MHz\_TnomVnom

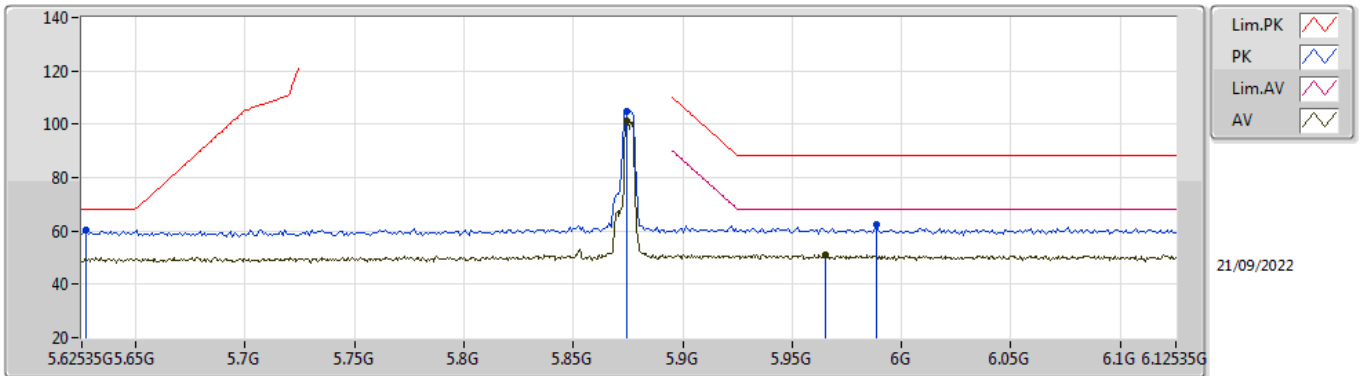


EUT\_Z\_1TX  
Setting 0x05  
03-R-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.71838G	57.71	74.00	-16.29	42.50	3	Horizontal	52	1.04	-	39.42	10.76	34.97
AV	11.7179G	49.36	54.00	-4.64	34.15	3	Horizontal	52	1.04	-	39.42	10.76	34.97

### 4-DQPSK

### 5875.35MHz\_TnomVnom

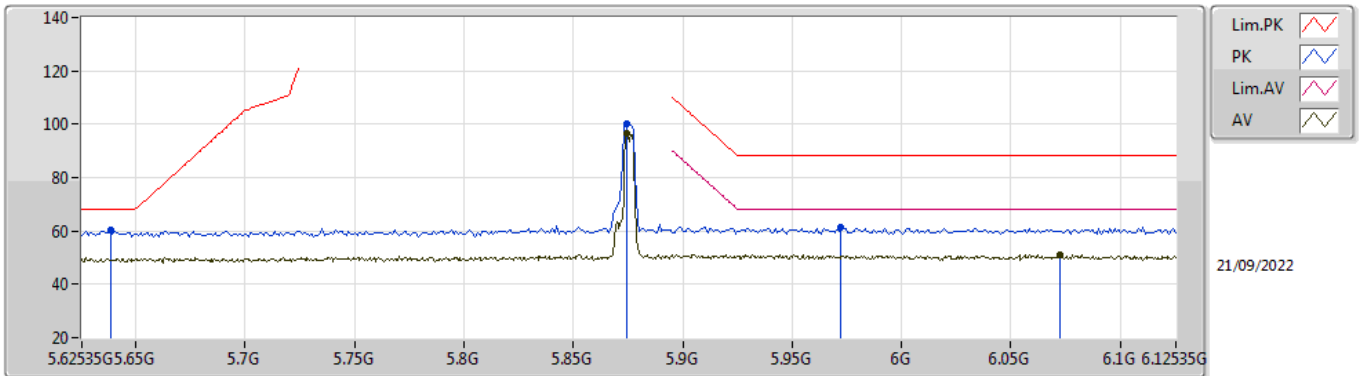


EUT\_X\_1TX  
Setting 0x05  
03-R-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.62735G	60.41	68.20	-7.79	53.35	3	Vertical	275	1.04	-	34.55	7.40	34.89
PK	5.87435G	105.07	Inf	-Inf	98.09	3	Vertical	275	1.04	-	34.45	7.47	34.94
AV	5.87435G	101.43	Inf	-Inf	94.45	3	Vertical	275	1.04	-	34.45	7.47	34.94
PK	5.98835G	62.28	88.20	-25.92	54.86	3	Vertical	275	1.04	-	34.80	7.59	34.97
RMS	5.96535G	51.14	68.20	-17.06	43.73	3	Vertical	275	1.04	-	34.80	7.57	34.96

### 4-DQPSK

### 5875.35MHz\_TnomVnom

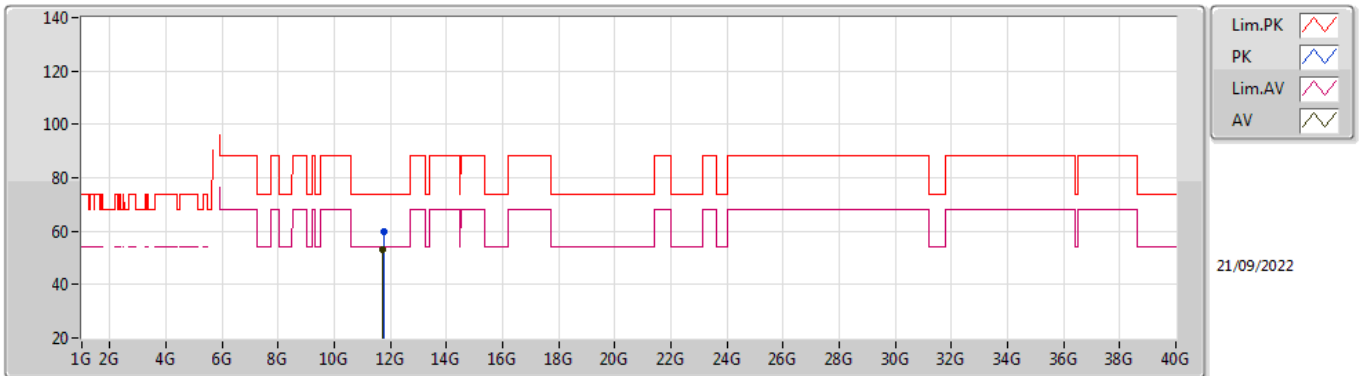


EUT\_X\_1TX  
Setting 0x05  
03-R-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.63835G	60.21	68.20	-7.99	53.18	3	Horizontal	336	1.10	-	34.52	7.40	34.89
PK	5.87435G	100.16	Inf	-Inf	93.18	3	Horizontal	336	1.10	-	34.45	7.47	34.94
AV	5.87435G	96.39	Inf	-Inf	89.41	3	Horizontal	336	1.10	-	34.45	7.47	34.94
PK	5.97235G	61.47	88.20	-26.73	54.06	3	Horizontal	336	1.10	-	34.80	7.57	34.96
RMS	6.07235G	51.01	68.20	-17.19	43.41	3	Horizontal	336	1.10	-	34.94	7.64	34.98

### 4-DQPSK

### 5875.35MHz\_TnomVnom

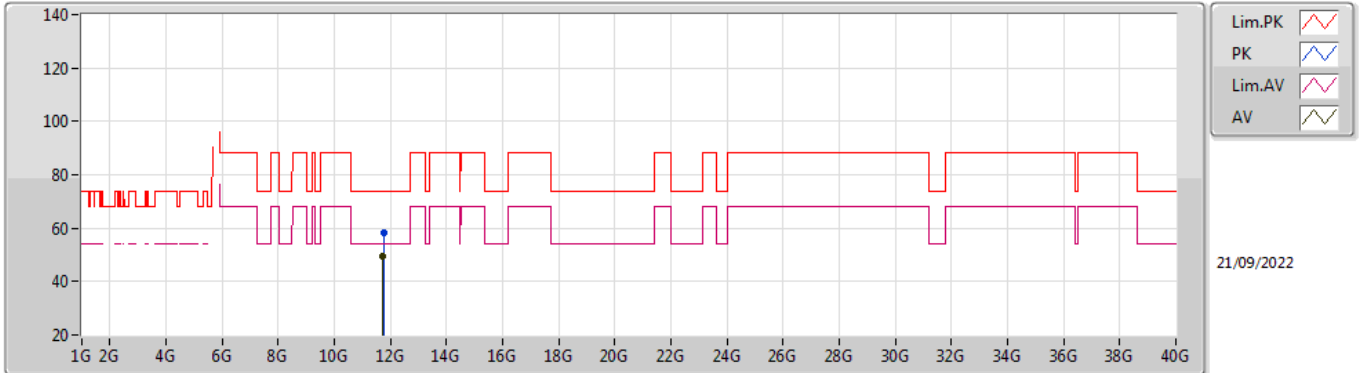


EUT\_Z\_1TX  
Setting 0x05  
03-R-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.74596G	59.91	74.00	-14.09	44.68	3	Vertical	357	2.97	-	39.45	10.76	34.98
AV	11.7459G	53.31	54.00	-0.69	38.08	3	Vertical	357	2.97	-	39.45	10.76	34.98

### 4-DQPSK

### 5875.35MHz\_TnomVnom



EUT\_Z\_1TX  
Setting 0x05  
03-R-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.74596G	58.05	74.00	-15.95	42.82	3	Horizontal	48	1.13	-	39.45	10.76	34.98
AV	11.7459G	49.72	54.00	-4.28	34.49	3	Horizontal	48	1.13	-	39.45	10.76	34.98

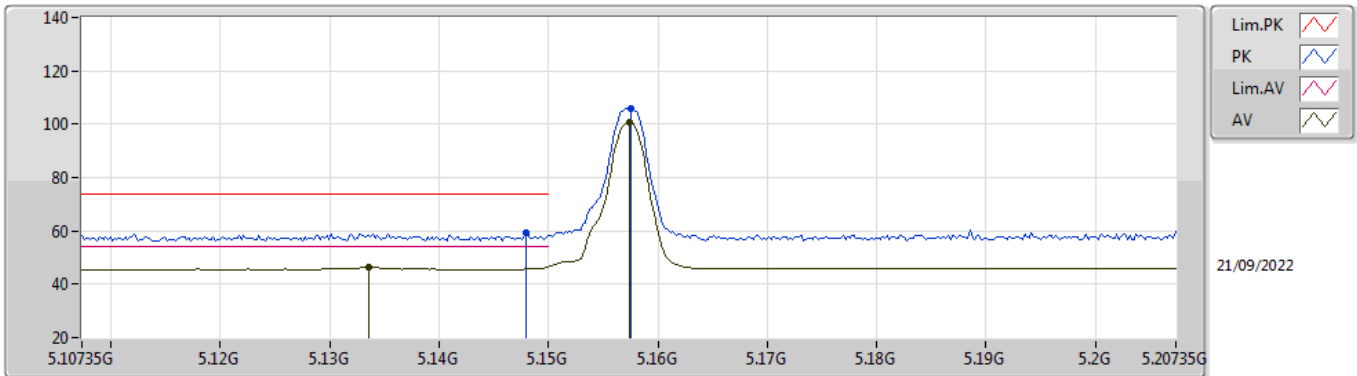


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-
pi/4-DQPSK	Pass	AV	5.13755G	53.91	54.00	-0.09	3	Horizontal	279	1.01	-

### 4-DQPSK

### 5157.35MHz\_TnomVnom

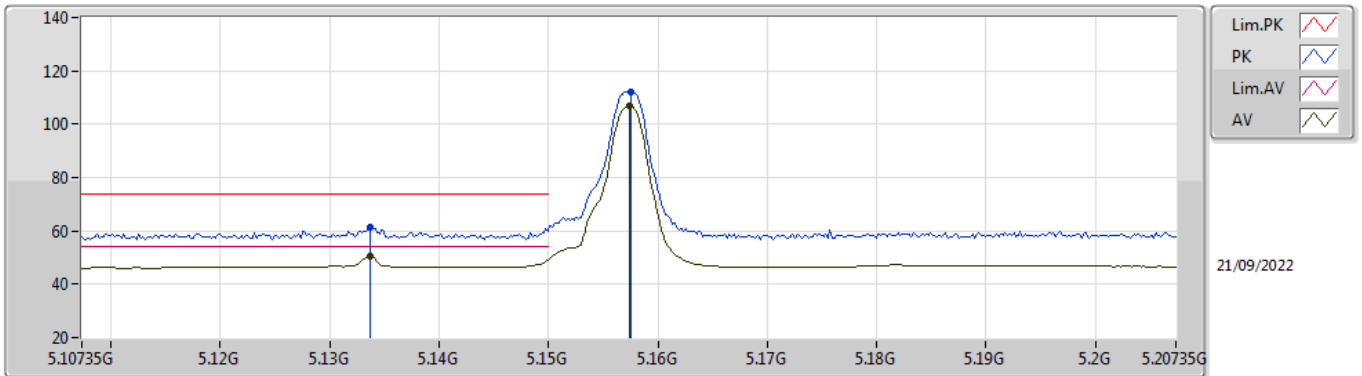


EUT\_Z\_1TX  
Setting 0x05  
03-C-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.14795G	59.07	74.00	-14.93	52.78	3	Vertical	81	3.00	-	34.00	7.17	34.88
AV	5.13355G	46.62	54.00	-7.38	40.36	3	Vertical	81	3.00	-	33.97	7.17	34.88
PK	5.15755G	105.72	Inf	-Inf	99.39	3	Vertical	81	3.00	-	34.03	7.18	34.88
AV	5.15735G	100.54	Inf	-Inf	94.21	3	Vertical	81	3.00	-	34.03	7.18	34.88

### 4-DQPSK

### 5157.35MHz\_TnomVnom



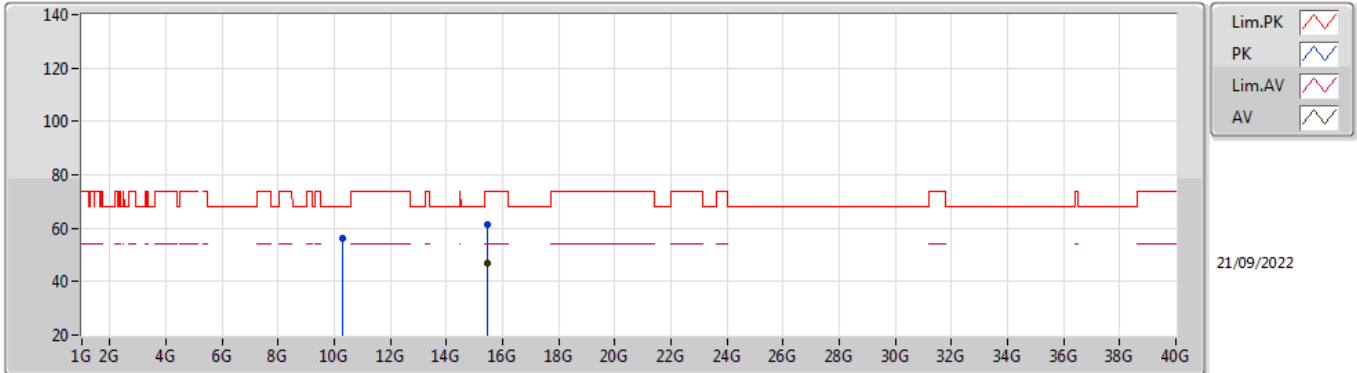
EUT Z\_1TX  
Setting 0x05  
03-C-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.13375G	61.30	74.00	-12.70	55.04	3	Horizontal	0	1.02	-	33.97	7.17	34.88
AV	5.13375G	50.29	54.00	-3.71	44.03	3	Horizontal	0	1.02	-	33.97	7.17	34.88
PK	5.15755G	112.24	Inf	-Inf	105.91	3	Horizontal	0	1.02	-	34.03	7.18	34.88
AV	5.15735G	106.95	Inf	-Inf	100.62	3	Horizontal	0	1.02	-	34.03	7.18	34.88



### 4-DQPSK

### 5157.35MHz\_TnomVnom

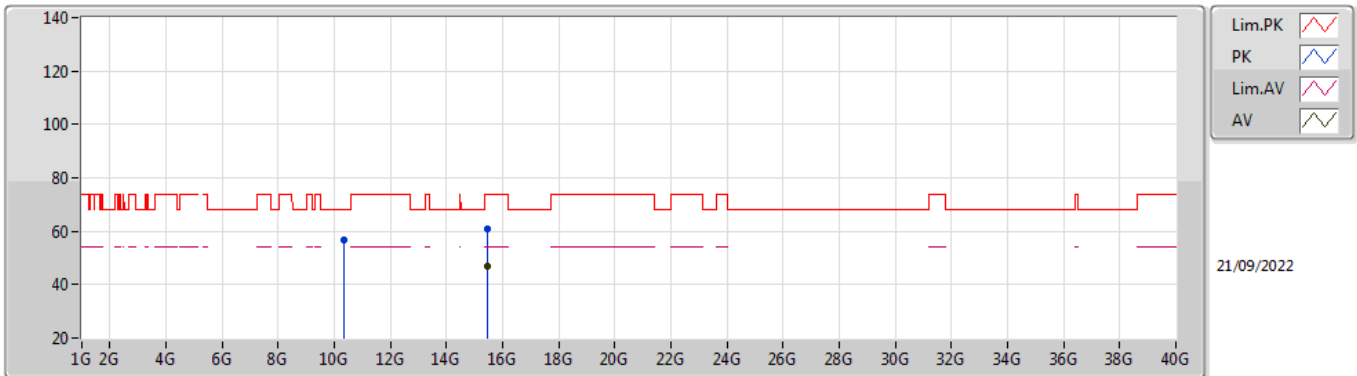


EUT\_Z\_1TX  
 Setting 0x05  
 03-C-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.31148G	56.15	68.20	-12.05	41.36	3	Vertical	70	2.69	-	38.11	10.55	33.87
PK	15.47105G	61.17	74.00	-12.83	43.75	3	Vertical	332	2.91	-	38.73	13.14	34.45
AV	15.46983G	46.86	54.00	-7.14	29.44	3	Vertical	332	2.91	-	38.73	13.13	34.44

### 4-DQPSK

### 5157.35MHz\_TnomVnom

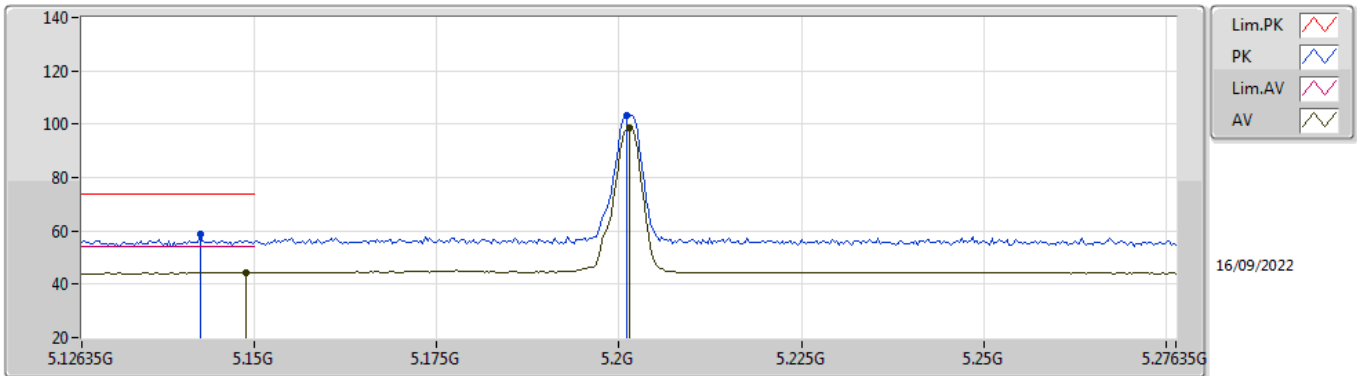


EUT\_Z\_1TX  
Setting 0x05  
03-C-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.31968G	56.51	68.20	-11.69	41.67	3	Horizontal	283	2.26	-	38.12	10.55	33.83
PK	15.47293G	60.93	74.00	-13.07	43.51	3	Horizontal	143	1.10	-	38.73	13.14	34.45
AV	15.47271G	46.82	54.00	-7.18	29.40	3	Horizontal	143	1.10	-	38.73	13.14	34.45

### 4-DQPSK

#### 5201.35MHz\_TnomVnom

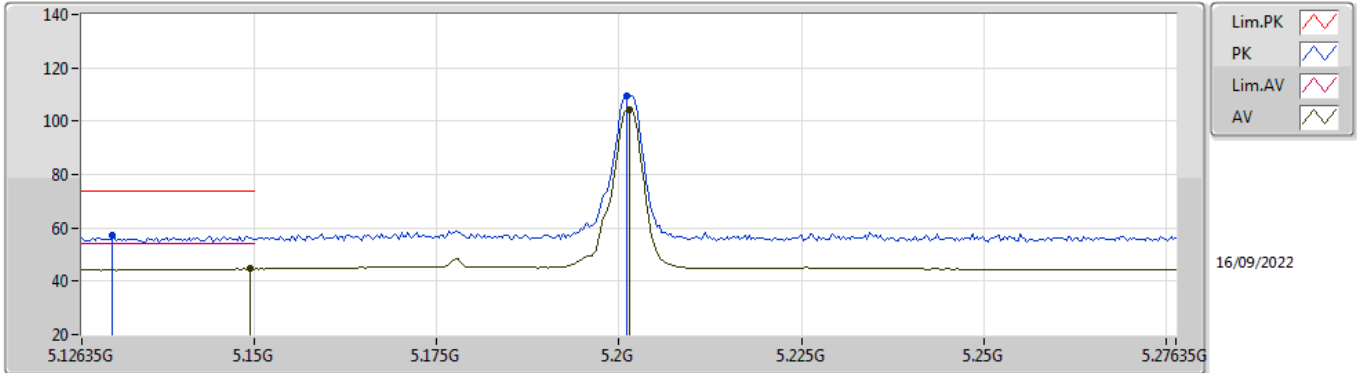


EUT\_Z\_1TX  
Setting 0x05  
06-E-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.14255G	58.61	74.00	-15.39	53.62	3	Vertical	170	2.92	-	31.91	5.54	32.46
AV	5.14885G	44.33	54.00	-9.67	39.34	3	Vertical	170	2.92	-	31.90	5.55	32.46
PK	5.20105G	103.46	Inf	-Inf	98.52	3	Vertical	170	2.92	-	31.80	5.60	32.46
AV	5.20135G	98.39	Inf	-Inf	93.46	3	Vertical	170	2.92	-	31.79	5.60	32.46

### 4-DQPSK

### 5201.35MHz\_TnomVnom

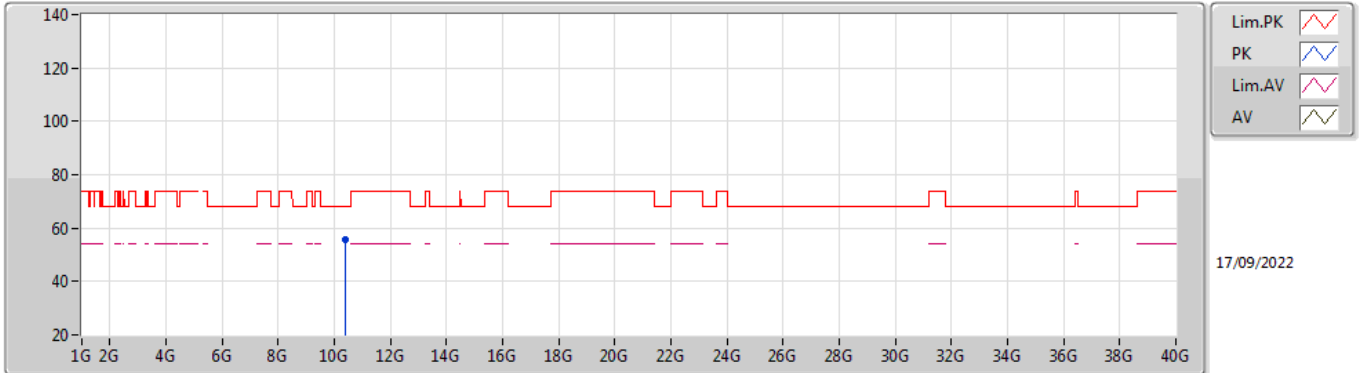


EUT\_Z\_1TX  
Setting 0x05  
06-E-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.13055G	57.09	74.00	-16.91	52.08	3	Horizontal	101	1.00	-	31.94	5.53	32.46
AV	5.14945G	44.63	54.00	-9.37	39.64	3	Horizontal	101	1.00	-	31.90	5.55	32.46
PK	5.20105G	109.54	Inf	-Inf	104.60	3	Horizontal	101	1.00	-	31.80	5.60	32.46
AV	5.20135G	104.45	Inf	-Inf	99.52	3	Horizontal	101	1.00	-	31.79	5.60	32.46

### 4-DQPSK

### 5201.35MHz\_TnomVnom

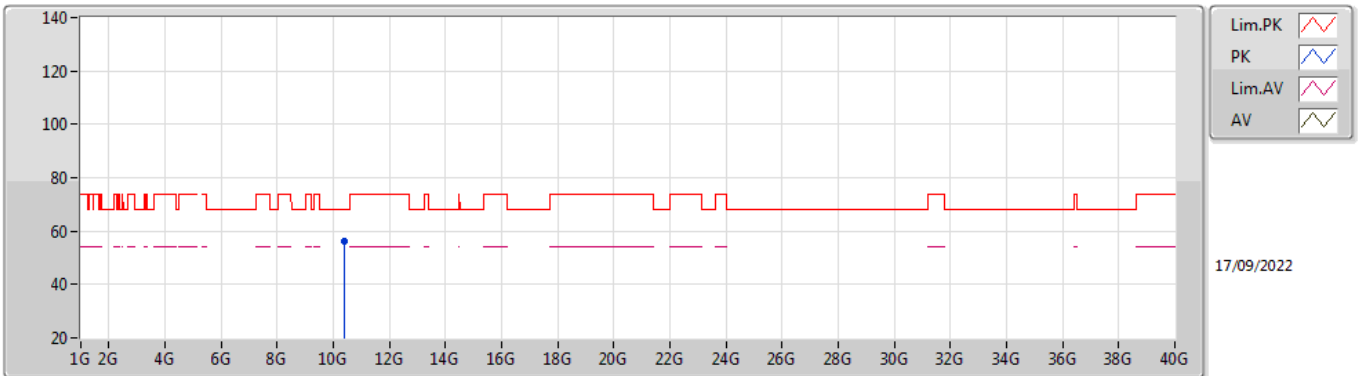


EUT\_Z\_1TX  
Setting 0x05  
06-E-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.39978G	55.64	68.20	-12.56	41.63	3	Vertical	332	1.75	-	40.10	8.54	34.63

### 4-DQPSK

### 5201.35MHz\_TnomVnom

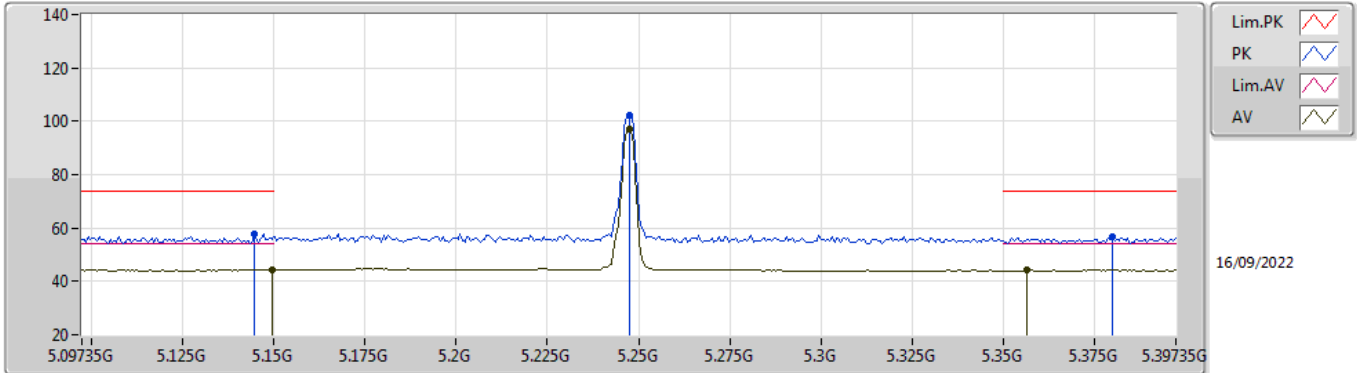


EUT\_Z\_1TX  
 Setting 0x05  
 06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.40582G	56.24	68.20	-11.96	42.22	3	Horizontal	123	1.55	-	40.11	8.54	34.63

### 4-DQPSK

### 5247.35MHz\_TnomVnom

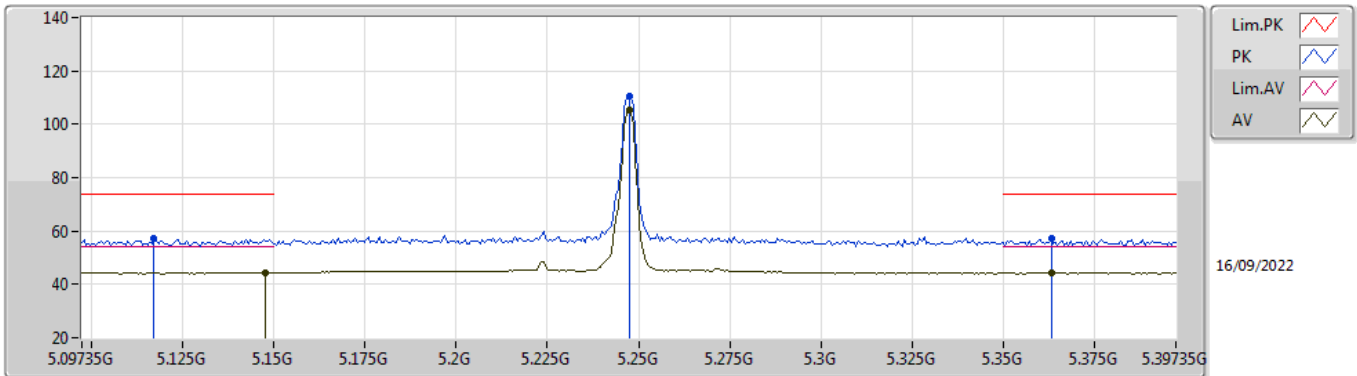


EUT\_Z\_1TX  
Setting 0x05  
06-E-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.14475G	57.76	74.00	-16.24	52.77	3	Vertical	150	2.35	-	31.91	5.54	32.46
AV	5.14955G	44.28	54.00	-9.72	39.29	3	Vertical	150	2.35	-	31.90	5.55	32.46
PK	5.24735G	102.30	Inf	-Inf	97.54	3	Vertical	150	2.35	-	31.61	5.62	32.47
AV	5.24735G	97.20	Inf	-Inf	92.44	3	Vertical	150	2.35	-	31.61	5.62	32.47
PK	5.37995G	56.63	74.00	-17.37	52.01	3	Vertical	150	2.35	-	31.42	5.69	32.49
AV	5.35655G	44.15	54.00	-9.85	39.62	3	Vertical	150	2.35	-	31.33	5.68	32.48

### 4-DQPSK

### 5247.35MHz\_TnomVnom



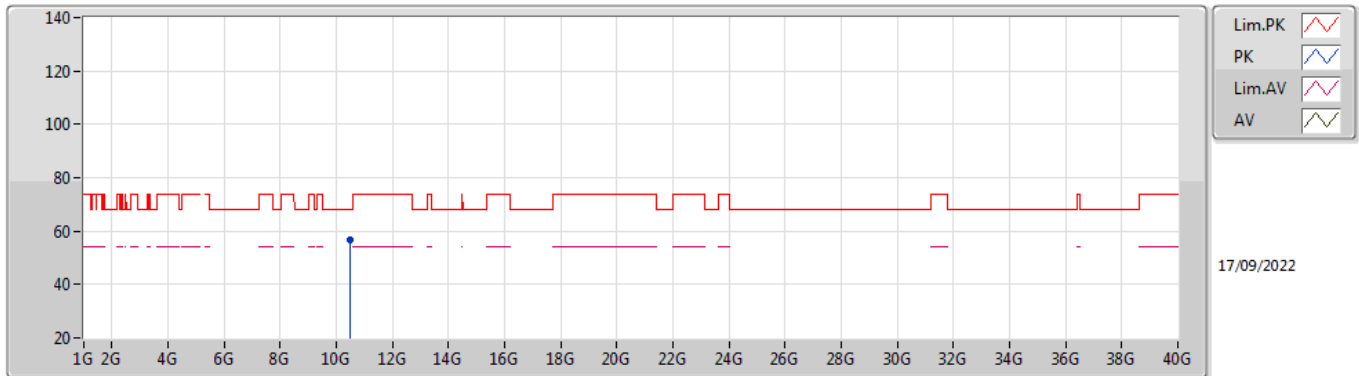
EUT\_Z\_1TX  
Setting 0x05  
06-E-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.11715G	57.05	74.00	-16.95	52.01	3	Horizontal	94	2.48	-	31.97	5.52	32.45
AV	5.14775G	44.34	54.00	-9.66	39.35	3	Horizontal	94	2.48	-	31.90	5.55	32.46
PK	5.24735G	110.30	Inf	-Inf	105.54	3	Horizontal	94	2.48	-	31.61	5.62	32.47
AV	5.24735G	105.13	Inf	-Inf	100.37	3	Horizontal	94	2.48	-	31.61	5.62	32.47
PK	5.36315G	57.26	74.00	-16.74	52.71	3	Horizontal	94	2.48	-	31.35	5.68	32.48
AV	5.36315G	44.32	54.00	-9.68	39.77	3	Horizontal	94	2.48	-	31.35	5.68	32.48



### 4-DQPSK

### 5247.35MHz\_TnomVnom

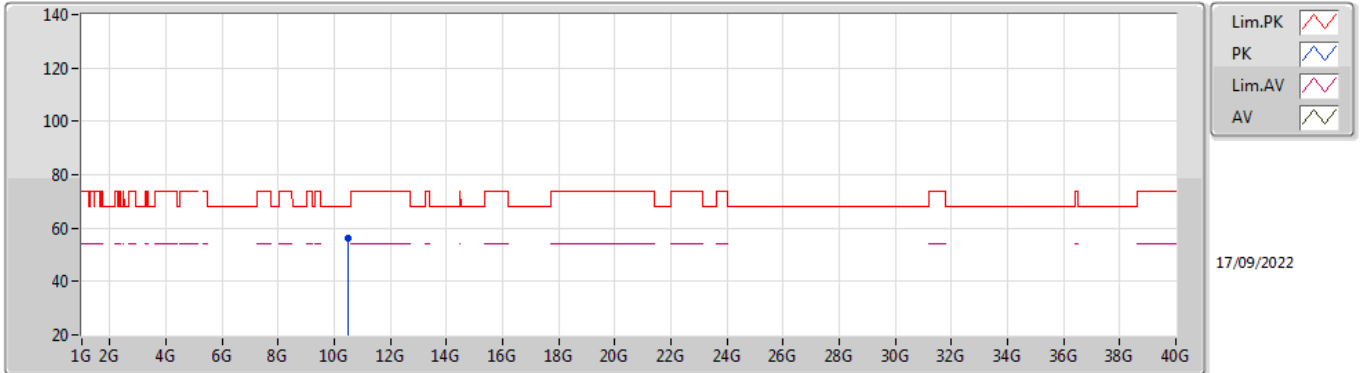


EUT\_Z\_1TX  
Setting 0x05  
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.49618G	56.77	68.20	-11.43	42.67	3	Vertical	59	2.29	-	40.20	8.60	34.70

### 4-DQPSK

### 5247.35MHz\_TnomVnom

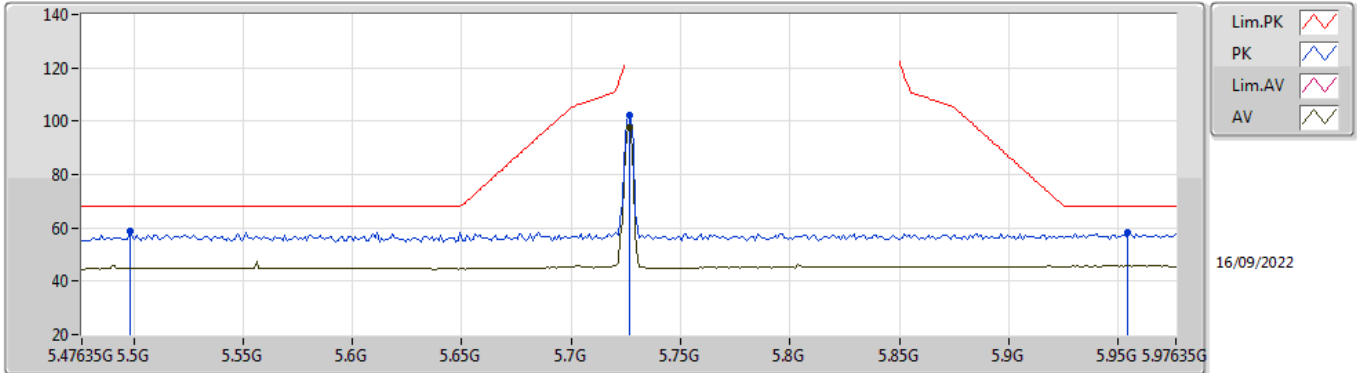


EUT\_Z\_1TX  
Setting 0x05  
06-E-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.4948G	56.41	68.20	-11.79	42.32	3	Horizontal	213	2.93	-	40.19	8.60	34.70

### 4-DQPSK

### 5726.35MHz\_TnomVnom

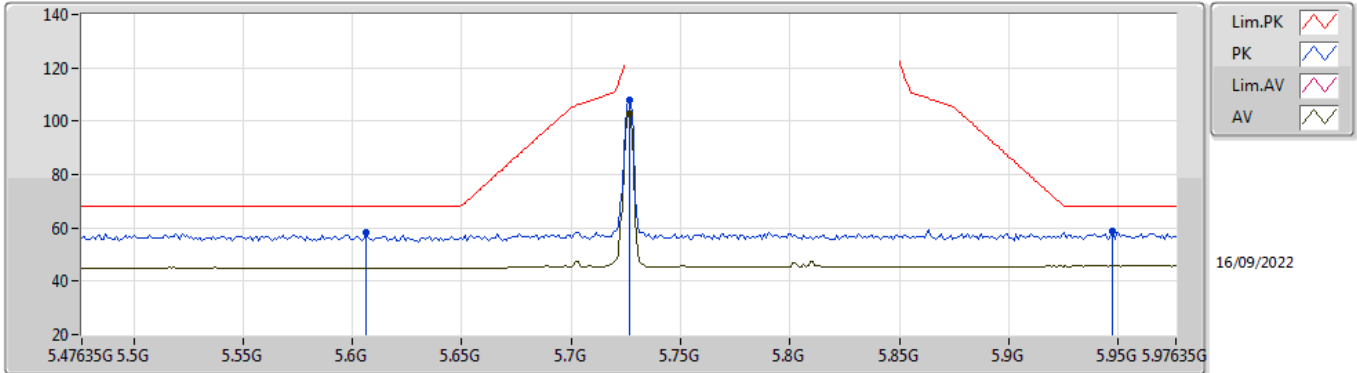


EUT\_Z\_1TX  
Setting 0x05  
06-E-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.49835G	58.61	68.20	-9.59	53.42	3	Vertical	0	2.87	-	31.89	5.80	32.50
PK	5.72635G	102.47	Inf	-Inf	96.89	3	Vertical	0	2.87	-	32.11	5.90	32.43
AV	5.72635G	97.34	Inf	-Inf	91.76	3	Vertical	0	2.87	-	32.11	5.90	32.43
PK	5.95435G	58.47	68.20	-9.73	52.18	3	Vertical	0	2.87	-	32.59	6.05	32.35

### 4-DQPSK

### 5726.35MHz\_TnomVnom

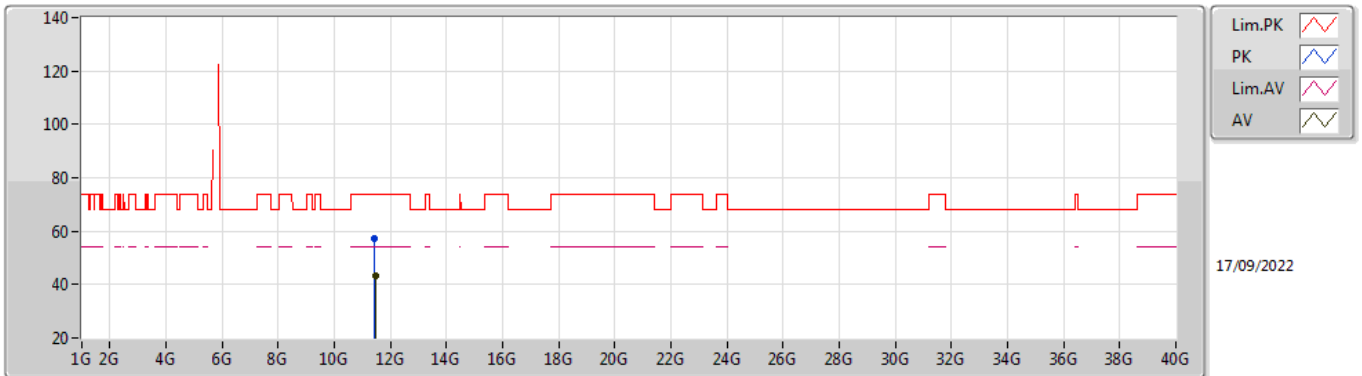


EUT Z\_1TX  
Setting 0x05  
06-E-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.60635G	58.31	68.20	-9.89	52.99	3	Horizontal	84	2.88	-	31.89	5.90	32.47
PK	5.72635G	107.87	Inf	-Inf	102.29	3	Horizontal	84	2.88	-	32.11	5.90	32.43
AV	5.72635G	102.74	Inf	-Inf	97.16	3	Horizontal	84	2.88	-	32.11	5.90	32.43
PK	5.94735G	58.67	68.20	-9.53	52.38	3	Horizontal	84	2.88	-	32.60	6.05	32.36

### 4-DQPSK

### 5726.35MHz\_TnomVnom

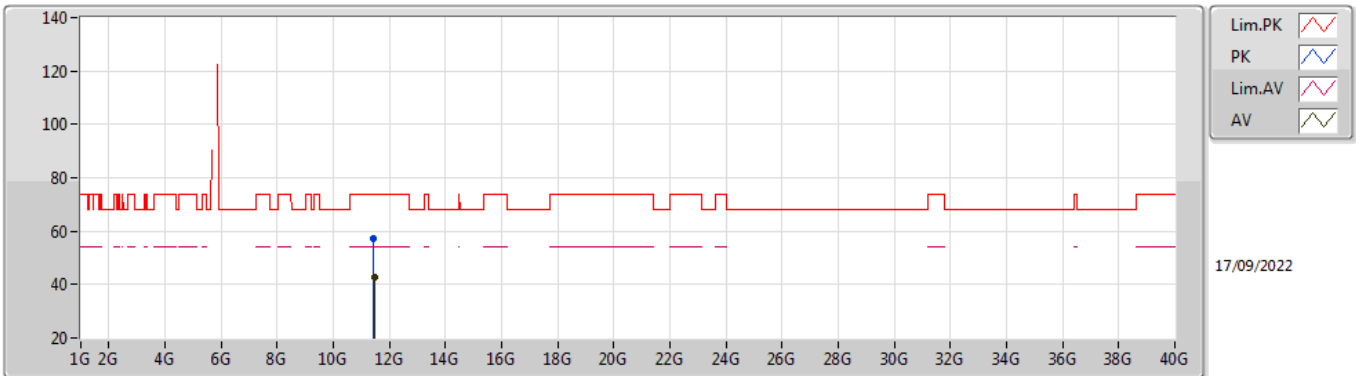


EUT\_Z\_1TX  
Setting 0x05  
06-E-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.44974G	57.07	74.00	-16.93	42.43	3	Vertical	145	1.31	-	40.10	9.17	34.63
AV	11.45294G	43.02	54.00	-10.98	28.38	3	Vertical	145	1.31	-	40.10	9.17	34.63

### 4-DQPSK

### 5726.35MHz\_TnomVnom

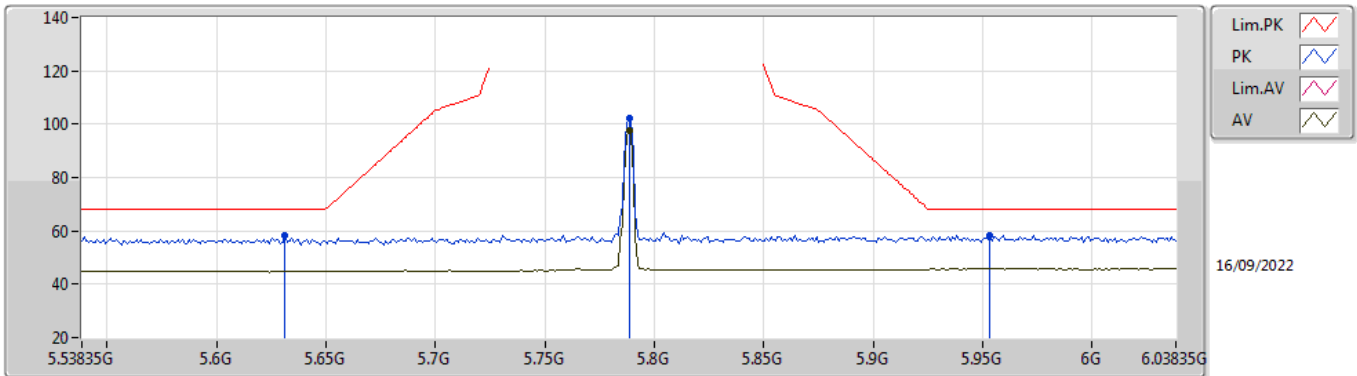


EUT\_Z\_1TX  
 Setting 0x05  
 06-E-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.44978G	57.43	74.00	-16.57	42.79	3	Horizontal	121	2.24	-	40.10	9.17	34.63
AV	11.45568G	42.98	54.00	-11.02	28.34	3	Horizontal	121	2.24	-	40.10	9.17	34.63

### 4-DQPSK

### 5788.35MHz\_TnomVnom

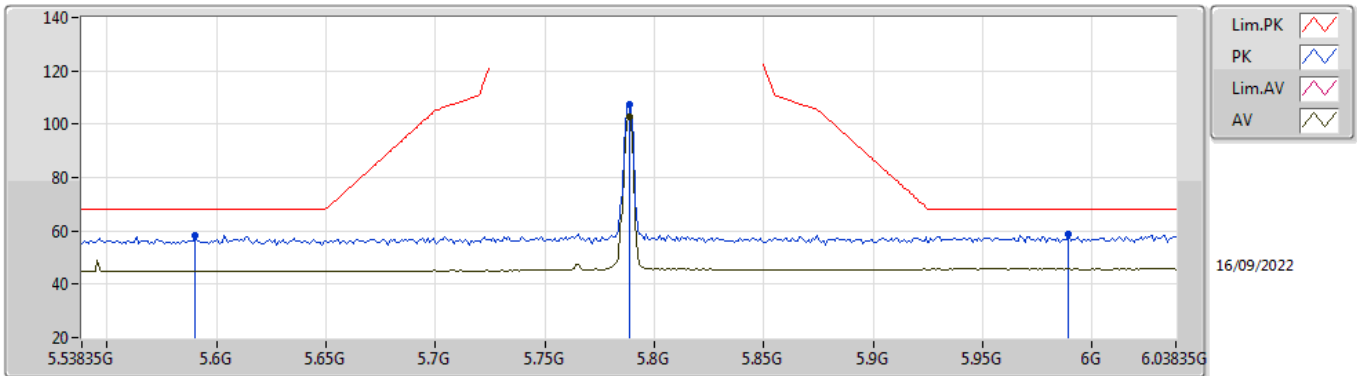


EUT\_Z\_1TX  
Setting 0x05  
06-E-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.63135G	58.13	68.20	-10.07	52.85	3	Vertical	0	2.94	-	31.84	5.90	32.46
PK	5.78835G	102.34	Inf	-Inf	96.57	3	Vertical	0	2.94	-	32.28	5.90	32.41
AV	5.78835G	97.40	Inf	-Inf	91.63	3	Vertical	0	2.94	-	32.28	5.90	32.41
PK	5.95335G	58.45	68.20	-9.75	52.16	3	Vertical	0	2.94	-	32.59	6.05	32.35

### 4-DQPSK

### 5788.35MHz\_TnomVnom



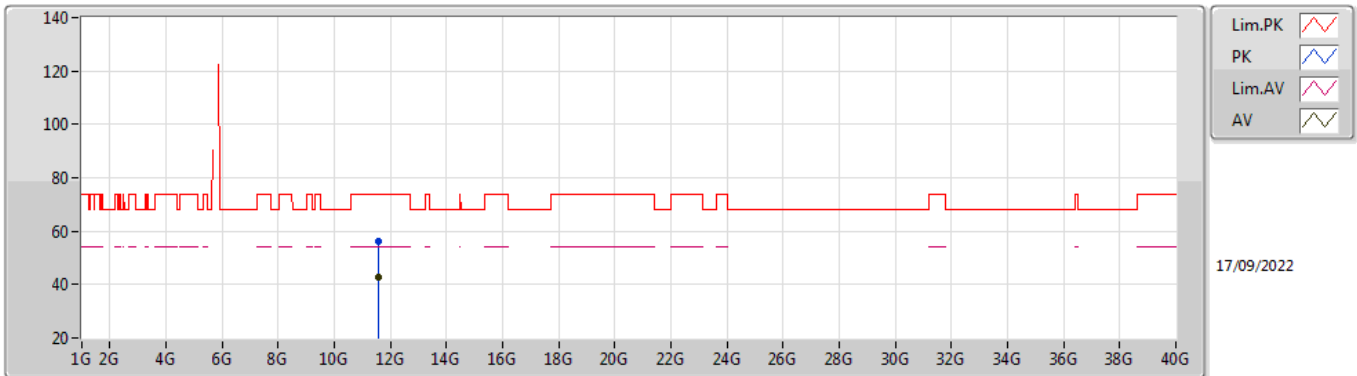
EUT\_Z\_1TX  
Setting 0x05  
06-E-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.59035G	58.18	68.20	-10.02	52.86	3	Horizontal	72	2.80	-	31.90	5.89	32.47
PK	5.78835G	107.62	Inf	-Inf	101.85	3	Horizontal	72	2.80	-	32.28	5.90	32.41
AV	5.78835G	102.59	Inf	-Inf	96.82	3	Horizontal	72	2.80	-	32.28	5.90	32.41
PK	5.98935G	58.58	68.20	-9.62	52.31	3	Horizontal	72	2.80	-	32.52	6.09	32.34



### 4-DQPSK

### 5788.35MHz\_TnomVnom

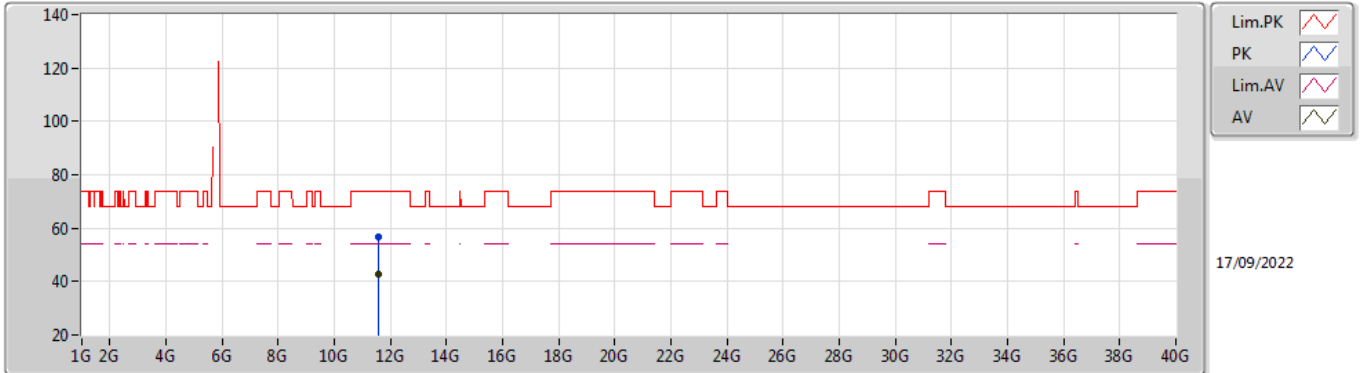


EUT\_Z\_1TX  
Setting 0x05  
06-E-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.57854G	56.27	74.00	-17.73	41.72	3	Vertical	80	1.68	-	39.94	9.25	34.64
AV	11.58152G	42.86	54.00	-11.14	28.31	3	Vertical	80	1.68	-	39.94	9.25	34.64

### 4-DQPSK

### 5788.35MHz\_TnomVnom

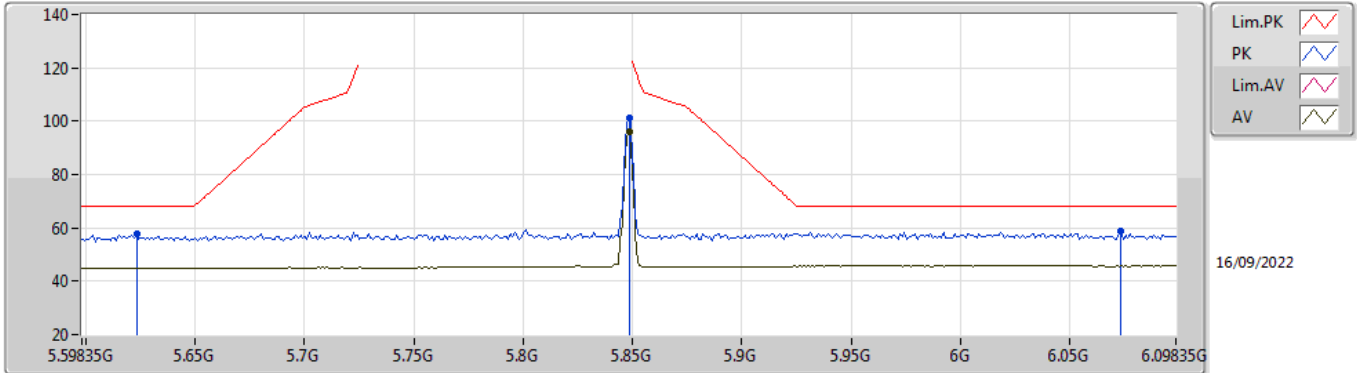


EUT\_Z\_1TX  
Setting 0x05  
06-E-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.57578G	56.63	74.00	-17.37	42.07	3	Horizontal	285	2.55	-	39.95	9.25	34.64
AV	11.58164G	42.83	54.00	-11.17	28.28	3	Horizontal	285	2.55	-	39.94	9.25	34.64

### 4-DQPSK

### 5848.35MHz\_TnomVnom

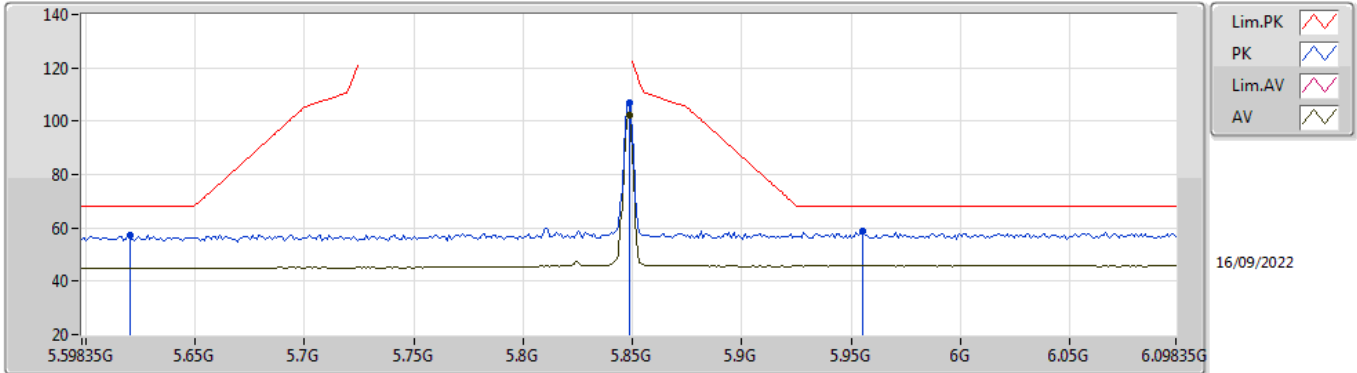


EUT\_Z\_1TX  
Setting 0x05  
06-E-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.62335G	57.56	68.20	-10.64	52.27	3	Vertical	6	2.87	-	31.85	5.90	32.46
PK	5.84835G	101.00	Inf	-Inf	95.14	3	Vertical	6	2.87	-	32.30	5.95	32.39
AV	5.84835G	96.03	Inf	-Inf	90.17	3	Vertical	6	2.87	-	32.30	5.95	32.39
PK	6.07335G	58.85	68.20	-9.35	52.60	3	Vertical	6	2.87	-	32.60	6.10	32.45

### 4-DQPSK

#### 5848.35MHz\_TnomVnom

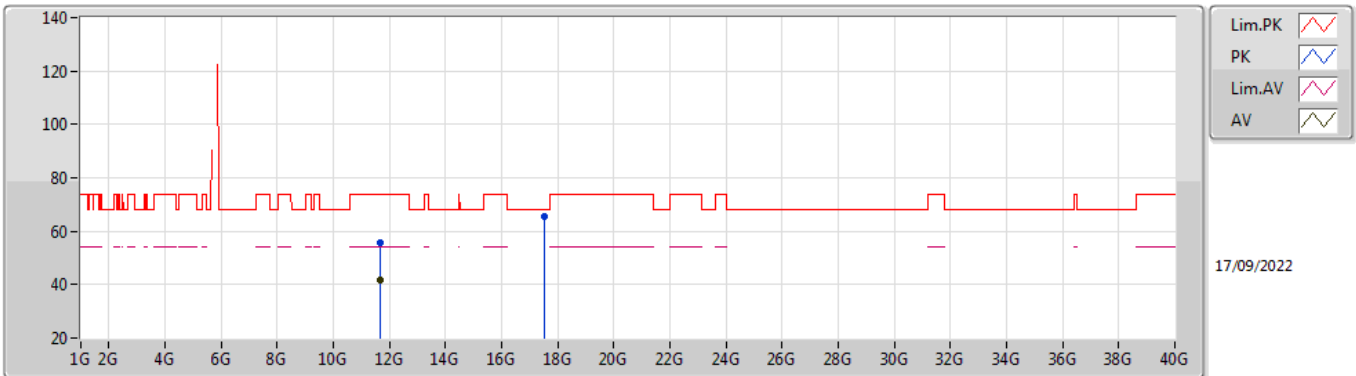


EUT\_Z\_1TX  
Setting 0x05  
06-E-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.62035G	57.46	68.20	-10.74	52.16	3	Horizontal	72	2.76	-	31.86	5.90	32.46
PK	5.84835G	107.14	Inf	-Inf	101.28	3	Horizontal	72	2.76	-	32.30	5.95	32.39
AV	5.84835G	102.06	Inf	-Inf	96.20	3	Horizontal	72	2.76	-	32.30	5.95	32.39
PK	5.95535G	58.98	68.20	-9.22	52.68	3	Horizontal	72	2.76	-	32.59	6.06	32.35

### 4-DQPSK

### 5848.35MHz\_TnomVnom

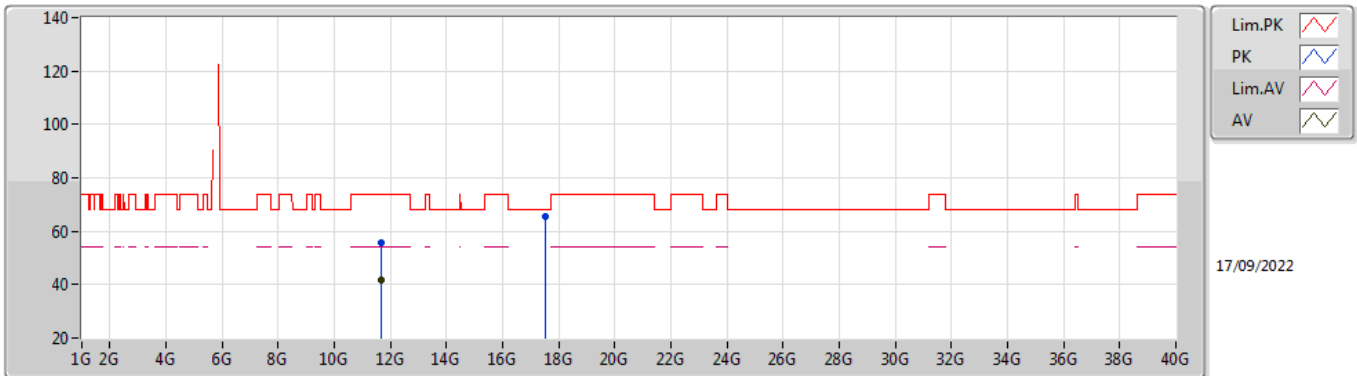


EUT Z\_1TX  
 Setting 0x05  
 06-E-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.69214G	55.52	74.00	-18.48	41.50	3	Vertical	214	2.73	-	39.35	9.32	34.65
AV	11.6947G	41.93	54.00	-12.07	27.93	3	Vertical	214	2.73	-	39.33	9.32	34.65
PK	17.54609G	65.62	68.20	-2.58	46.46	3	Vertical	96	2.35	-	43.82	10.69	35.35

### 4-DQPSK

### 5848.35MHz\_TnomVnom

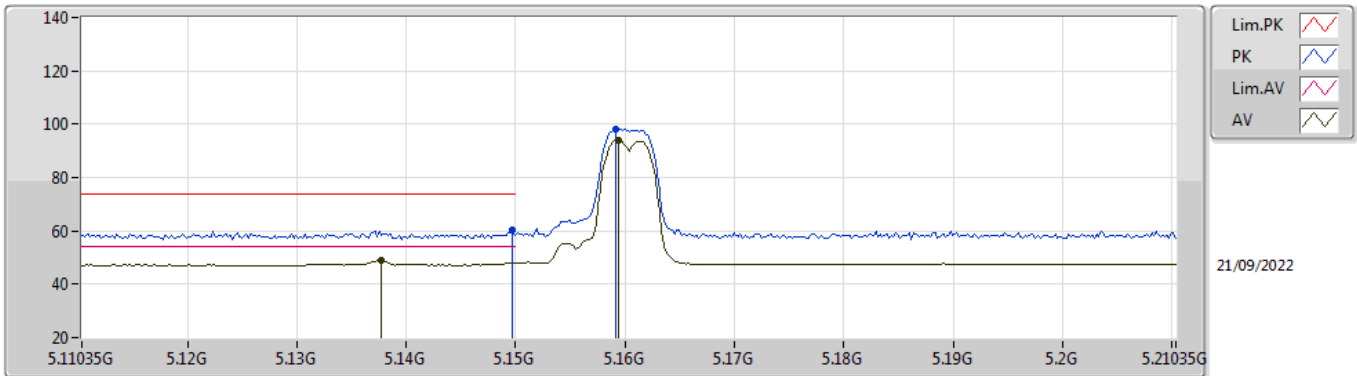


EUT\_Z\_1TX  
Setting 0x05  
06-E-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.69082G	55.58	74.00	-18.42	41.56	3	Horizontal	278	2.49	-	39.36	9.31	34.65
AV	11.68786G	41.89	54.00	-12.11	27.86	3	Horizontal	278	2.49	-	39.37	9.31	34.65
PK	17.54525G	65.74	68.20	-2.46	46.58	3	Horizontal	120	2.29	-	43.82	10.69	35.35

### 4-DQPSK

### 5160.35MHz\_TnomVnom

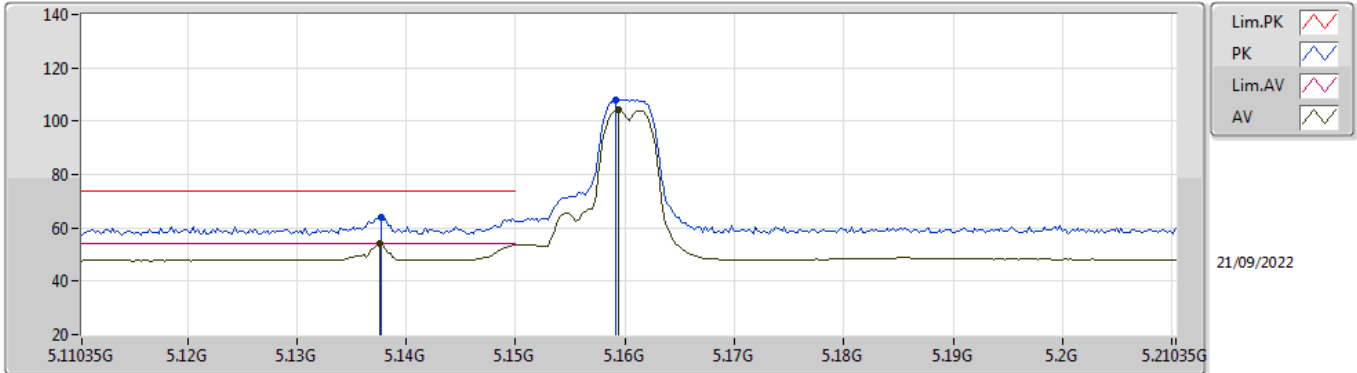


EUT\_Z\_1TX  
Setting 0x05  
03-R-E-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.14975G	60.29	74.00	-13.71	54.00	3	Vertical	196	2.56	-	34.00	7.17	34.88
AV	5.13775G	48.82	54.00	-5.18	42.55	3	Vertical	196	2.56	-	33.98	7.17	34.88
PK	5.15915G	97.94	Inf	-Inf	91.60	3	Vertical	196	2.56	-	34.04	7.18	34.88
AV	5.15935G	93.86	Inf	-Inf	87.52	3	Vertical	196	2.56	-	34.04	7.18	34.88

### 4-DQPSK

### 5160.35MHz\_TnomVnom



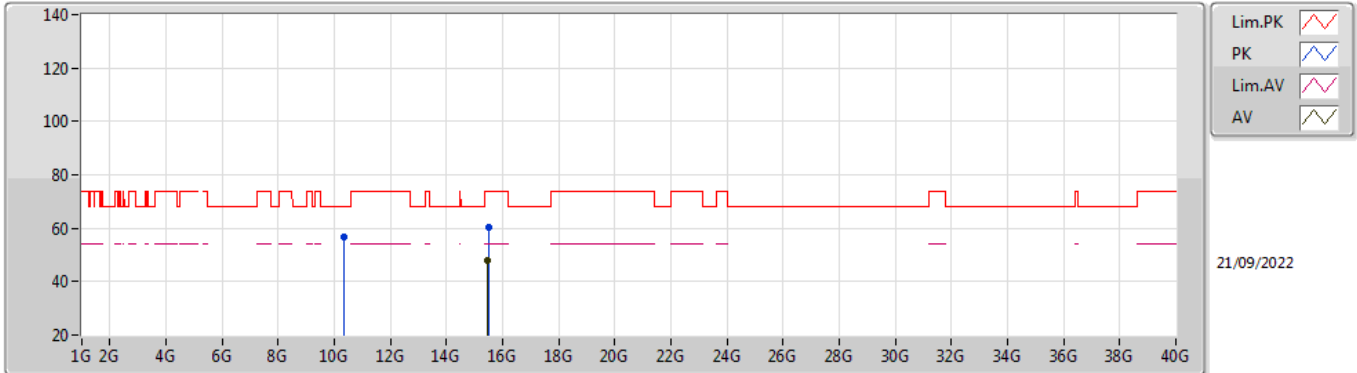
EUT\_Z\_1TX  
Setting 0x05  
03-R-E-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.13775G	63.95	74.00	-10.05	57.68	3	Horizontal	279	1.01	-	33.98	7.17	34.88
AV	5.13755G	53.91	54.00	-0.09	47.64	3	Horizontal	279	1.01	-	33.98	7.17	34.88
AV	5.15935G	104.08	Inf	-Inf	97.74	3	Horizontal	279	1.01	-	34.04	7.18	34.88
PK	5.15915G	108.10	Inf	-Inf	101.76	3	Horizontal	279	1.01	-	34.04	7.18	34.88



### 4-DQPSK

### 5160.35MHz\_TnomVnom

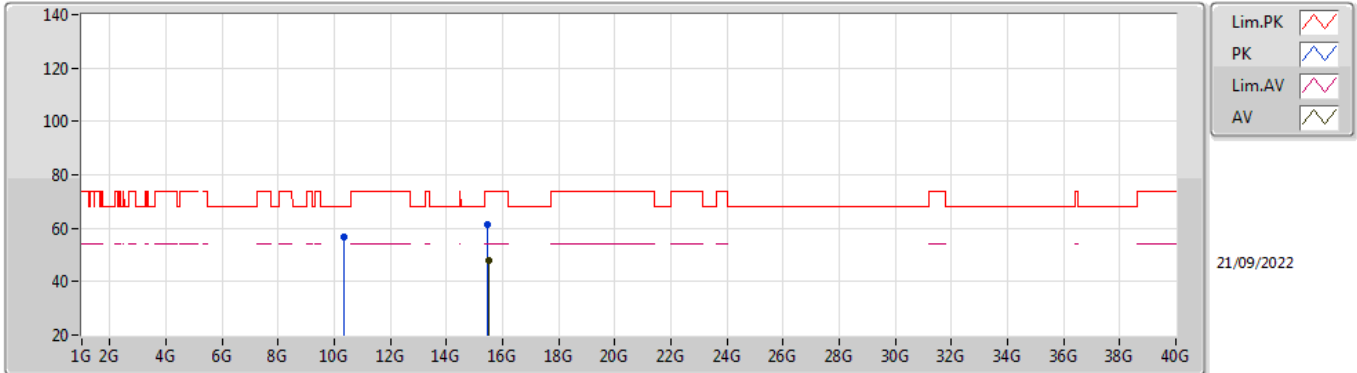


EUT\_Z\_1TX  
Setting 0x05  
03-R-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.32664G	56.71	68.20	-11.49	41.83	3	Vertical	296	2.64	-	38.13	10.55	33.80
PK	15.48741G	60.50	74.00	-13.50	43.12	3	Vertical	140	2.76	-	38.71	13.14	34.47
AV	15.47727G	48.03	54.00	-5.97	30.63	3	Vertical	140	2.76	-	38.72	13.14	34.46

### 4-DQPSK

### 5160.35MHz\_TnomVnom

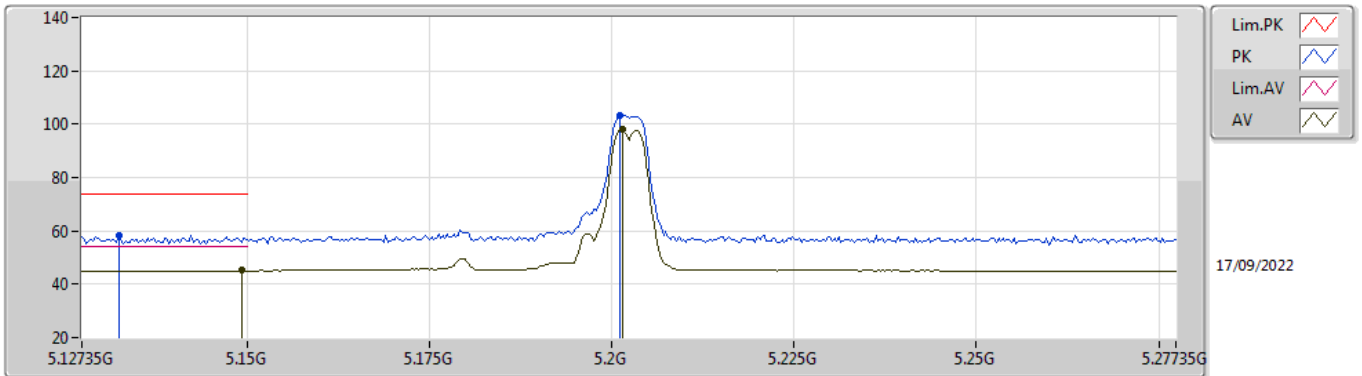


EUT\_Z\_1TX  
Setting 0x05  
03-R-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.33486G	56.84	68.20	-11.36	41.93	3	Horizontal	131	1.80	-	38.13	10.55	33.77
PK	15.47835G	61.16	74.00	-12.84	43.76	3	Horizontal	335	1.49	-	38.72	13.14	34.46
AV	15.48489G	47.99	54.00	-6.01	30.60	3	Horizontal	335	1.49	-	38.72	13.14	34.47

### 4-DQPSK

#### 5202.35MHz\_TnomVnom

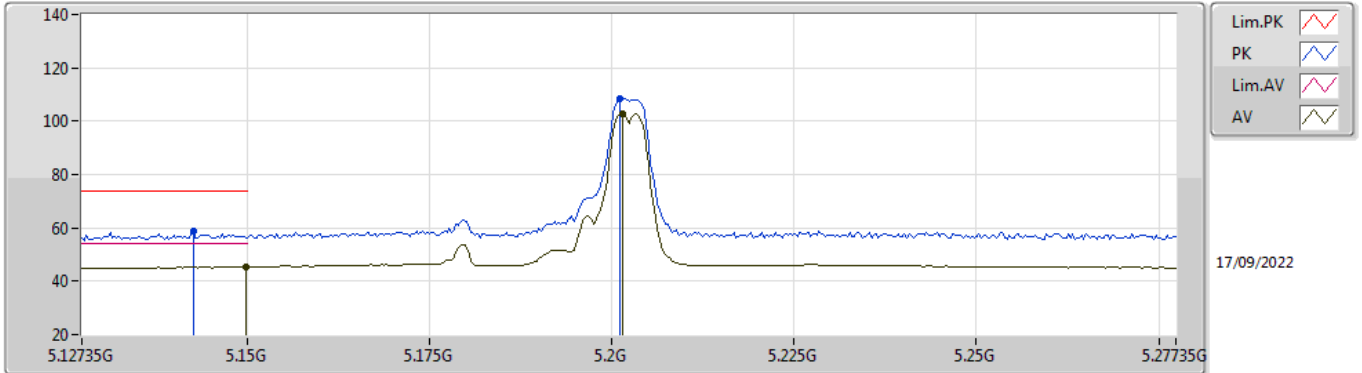


EUT\_Z\_1TX  
Setting 0x05  
06-E-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.13245G	58.14	74.00	-15.86	53.13	3	Vertical	98	2.92	-	31.94	5.53	32.46
AV	5.14925G	45.11	54.00	-8.89	40.12	3	Vertical	98	2.92	-	31.90	5.55	32.46
PK	5.20115G	103.19	Inf	-Inf	98.25	3	Vertical	98	2.92	-	31.80	5.60	32.46
AV	5.20145G	97.91	Inf	-Inf	92.98	3	Vertical	98	2.92	-	31.79	5.60	32.46

### 4-DQPSK

### 5202.35MHz\_TnomVnom

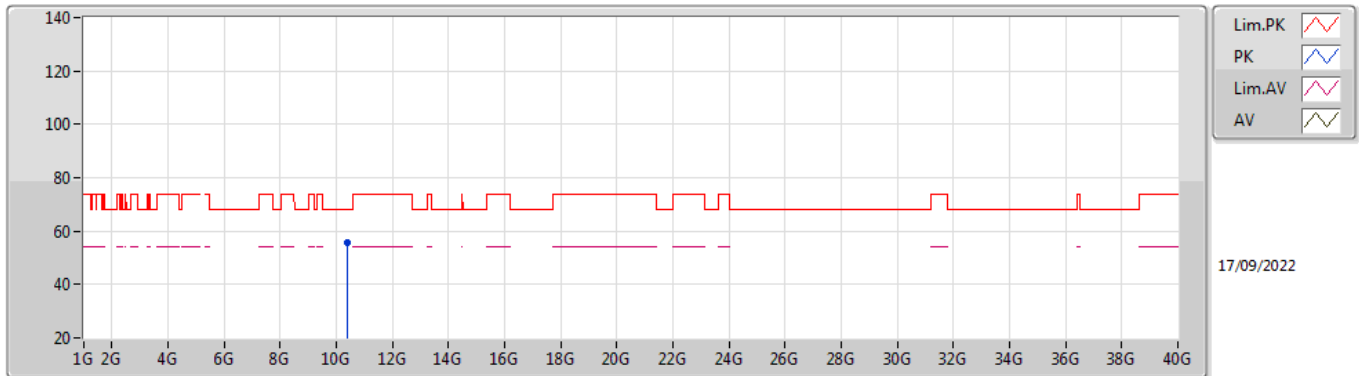


EUT\_Z\_1TX  
Setting 0x05  
06-E-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.14265G	58.55	74.00	-15.45	53.56	3	Horizontal	174	1.00	-	31.91	5.54	32.46
AV	5.14985G	45.32	54.00	-8.68	40.33	3	Horizontal	174	1.00	-	31.90	5.55	32.46
PK	5.20115G	108.39	Inf	-Inf	103.45	3	Horizontal	174	1.00	-	31.80	5.60	32.46
AV	5.20145G	102.98	Inf	-Inf	98.05	3	Horizontal	174	1.00	-	31.79	5.60	32.46

### 4-DQPSK

### 5202.35MHz\_TnomVnom

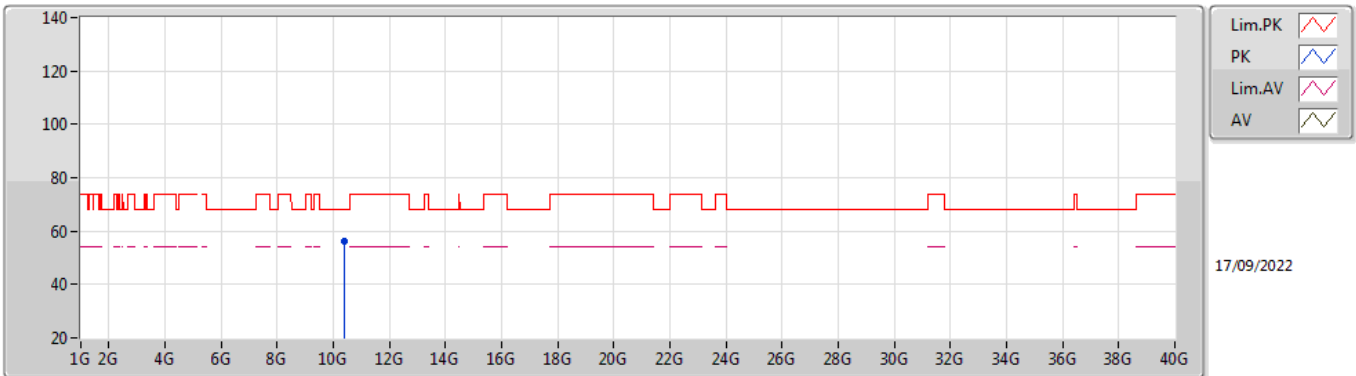


EUT\_Z\_1TX  
Setting 0x05  
06-E-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.40844G	55.60	68.20	-12.60	41.58	3	Vertical	62	1.66	-	40.11	8.55	34.64

### 4-DQPSK

### 5202.35MHz\_TnomVnom

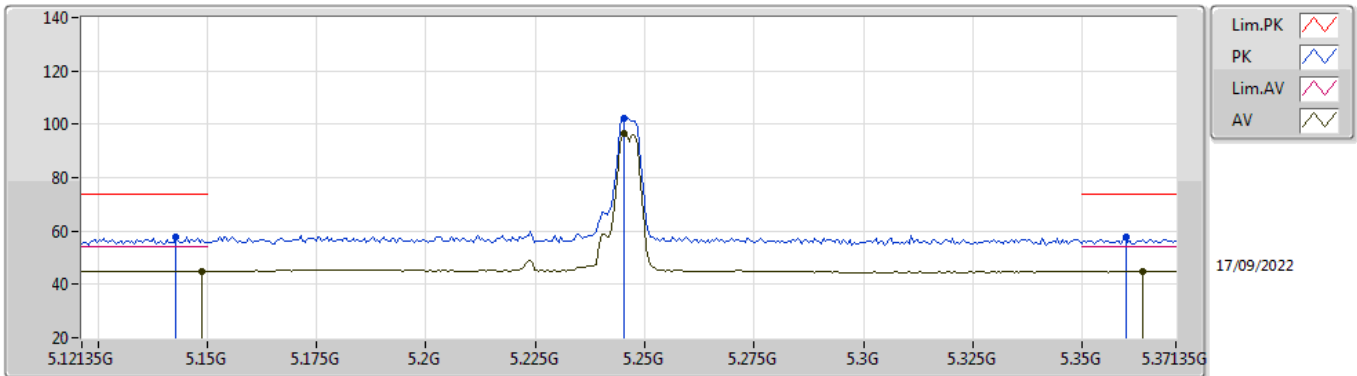


EUT\_Z\_1TX  
 Setting 0x05  
 06-E-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.39974G	56.21	68.20	-11.99	42.20	3	Horizontal	57	1.95	-	40.10	8.54	34.63

### 4-DQPSK

### 5246.35MHz\_TnomVnom

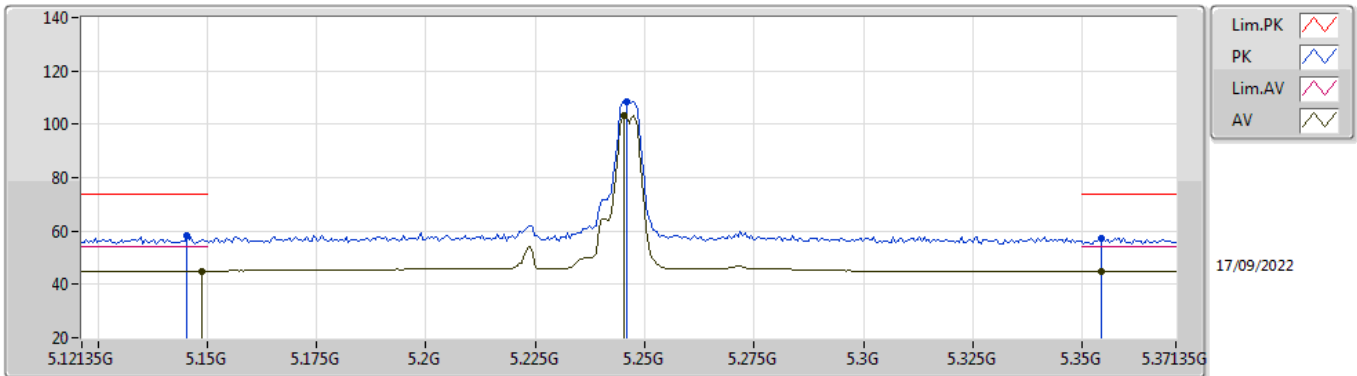


EUT\_Z\_1TX  
Setting 0x05  
06-E-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.14285G	57.76	74.00	-16.24	52.77	3	Vertical	88	2.74	-	31.91	5.54	32.46
AV	5.14885G	44.89	54.00	-9.11	39.90	3	Vertical	88	2.74	-	31.90	5.55	32.46
PK	5.24535G	102.10	Inf	-Inf	97.33	3	Vertical	88	2.74	-	31.62	5.62	32.47
AV	5.24535G	96.76	Inf	-Inf	91.99	3	Vertical	88	2.74	-	31.62	5.62	32.47
PK	5.35985G	57.62	74.00	-16.38	53.08	3	Vertical	88	2.74	-	31.34	5.68	32.48
AV	5.36385G	44.77	54.00	-9.23	40.21	3	Vertical	88	2.74	-	31.36	5.68	32.48

### 4-DQPSK

### 5246.35MHz\_TnomVnom



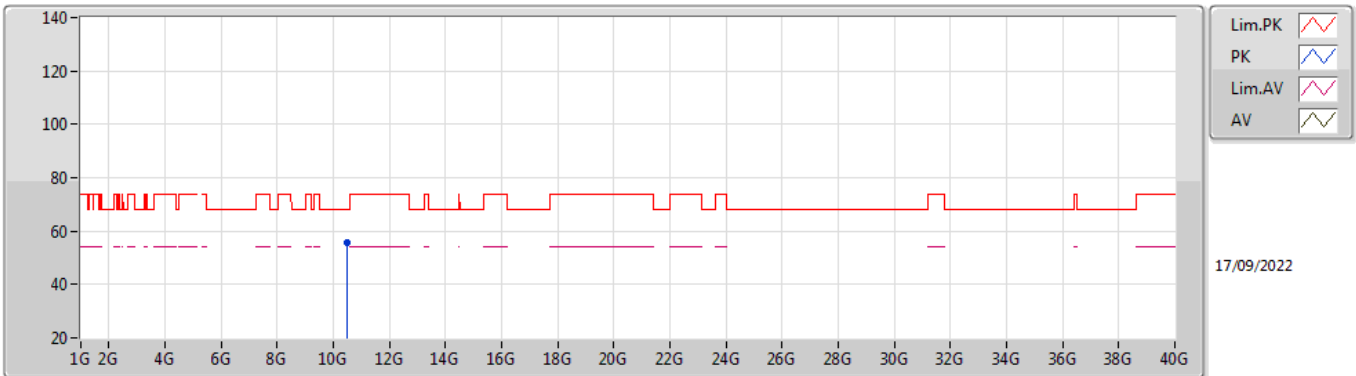
EUT\_Z\_1TX  
Setting 0x05  
06-E-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.14535G	58.18	74.00	-15.82	53.18	3	Horizontal	173	1.00	-	31.91	5.55	32.46
AV	5.14885G	44.99	54.00	-9.01	40.00	3	Horizontal	173	1.00	-	31.90	5.55	32.46
PK	5.24585G	108.67	Inf	-Inf	103.90	3	Horizontal	173	1.00	-	31.62	5.62	32.47
AV	5.24535G	103.27	Inf	-Inf	98.50	3	Horizontal	173	1.00	-	31.62	5.62	32.47
PK	5.35435G	57.47	74.00	-16.53	52.95	3	Horizontal	173	1.00	-	31.32	5.68	32.48
AV	5.35435G	44.90	54.00	-9.10	40.38	3	Horizontal	173	1.00	-	31.32	5.68	32.48



### 4-DQPSK

### 5246.35MHz\_TnomVnom

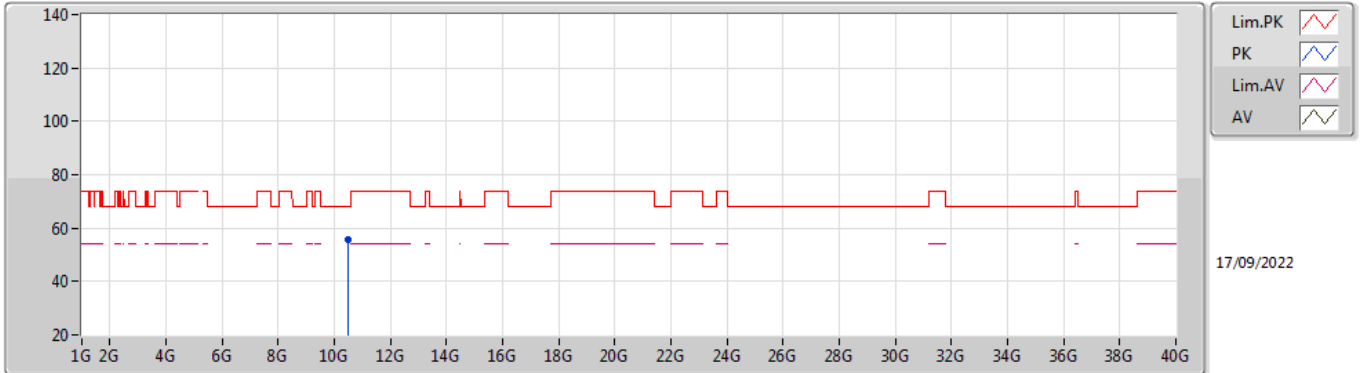


EUT\_Z\_1TX  
 Setting 0x05  
 06-E-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.49276G	55.77	68.20	-12.43	41.67	3	Vertical	317	2.62	-	40.19	8.60	34.69

### 4-DQPSK

### 5246.35MHz\_TnomVnom

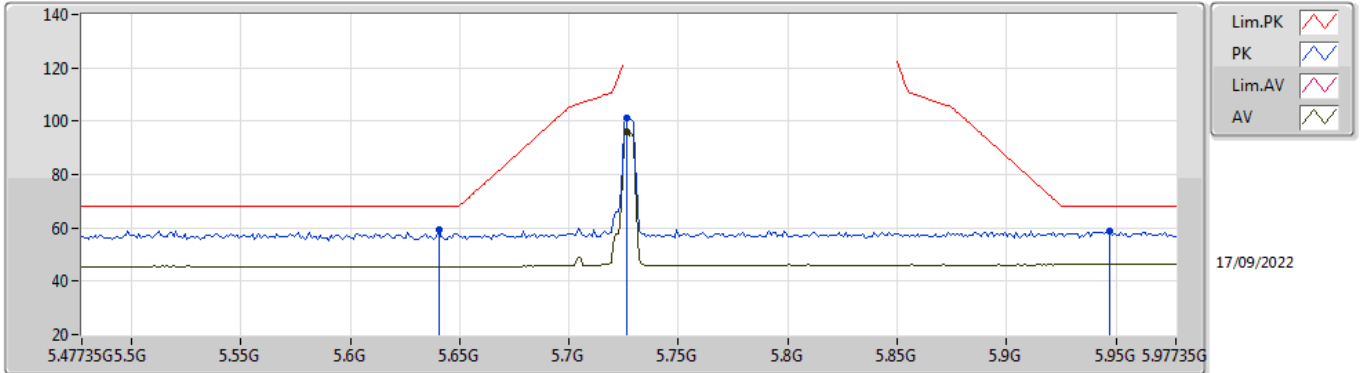


EUT\_Z\_1TX  
Setting 0x05  
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.4917G	55.89	68.20	-12.31	41.79	3	Horizontal	272	1.70	-	40.19	8.60	34.69

### 4-DQPSK

### 5727.35MHz\_TnomVnom

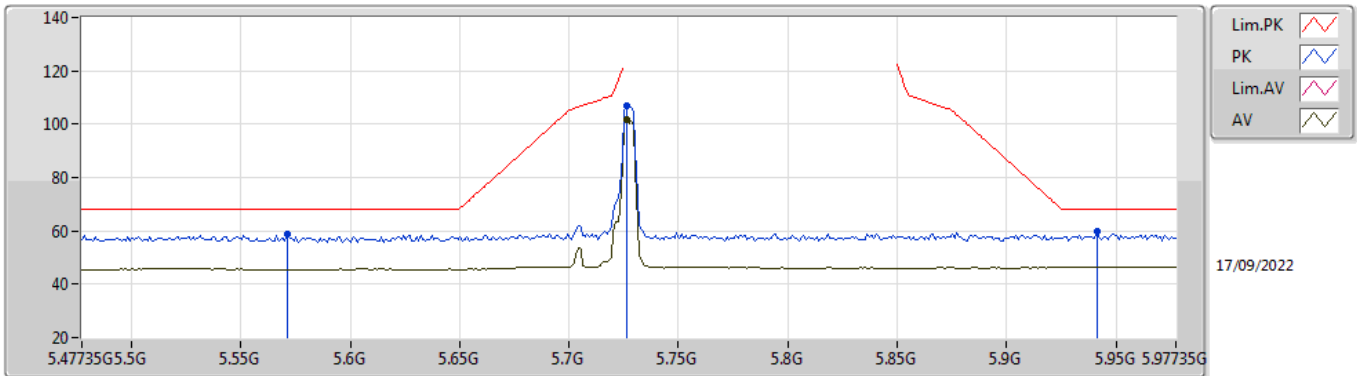


EUT\_Z\_1TX  
Setting 0x05  
06-E-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.64035G	59.12	68.20	-9.08	53.86	3	Vertical	142	3.00	-	31.82	5.90	32.46
PK	5.72635G	101.13	Inf	-Inf	95.55	3	Vertical	142	3.00	-	32.11	5.90	32.43
AV	5.72635G	95.84	Inf	-Inf	90.26	3	Vertical	142	3.00	-	32.11	5.90	32.43
PK	5.94735G	58.63	68.20	-9.57	52.34	3	Vertical	142	3.00	-	32.60	6.05	32.36

### 4-DQPSK

### 5727.35MHz\_TnomVnom

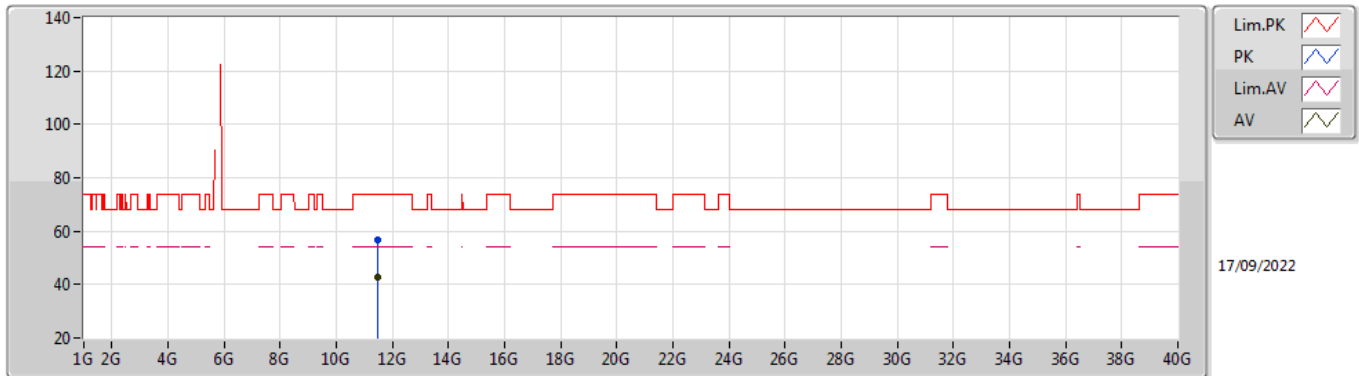


EUT\_Z\_1TX  
Setting 0x05  
06-E-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.57135G	58.63	68.20	-9.57	53.34	3	Horizontal	222	1.02	-	31.90	5.87	32.48
PK	5.72635G	106.96	Inf	-Inf	101.38	3	Horizontal	222	1.02	-	32.11	5.90	32.43
AV	5.72635G	101.68	Inf	-Inf	96.10	3	Horizontal	222	1.02	-	32.11	5.90	32.43
PK	5.94135G	59.98	68.20	-8.22	53.70	3	Horizontal	222	1.02	-	32.60	6.04	32.36

### 4-DQPSK

### 5727.35MHz\_TnomVnom

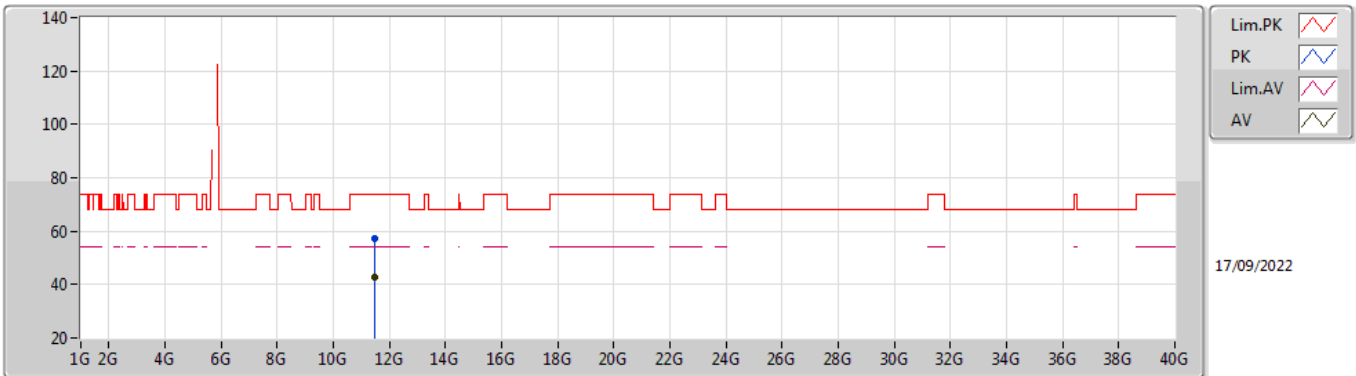


EUT\_Z\_1TX  
Setting 0x05  
06-E-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.4539G	56.61	74.00	-17.39	41.97	3	Vertical	324	1.44	-	40.10	9.17	34.63
AV	11.45288G	42.96	54.00	-11.04	28.32	3	Vertical	324	1.44	-	40.10	9.17	34.63

### 4-DQPSK

### 5727.35MHz\_TnomVnom

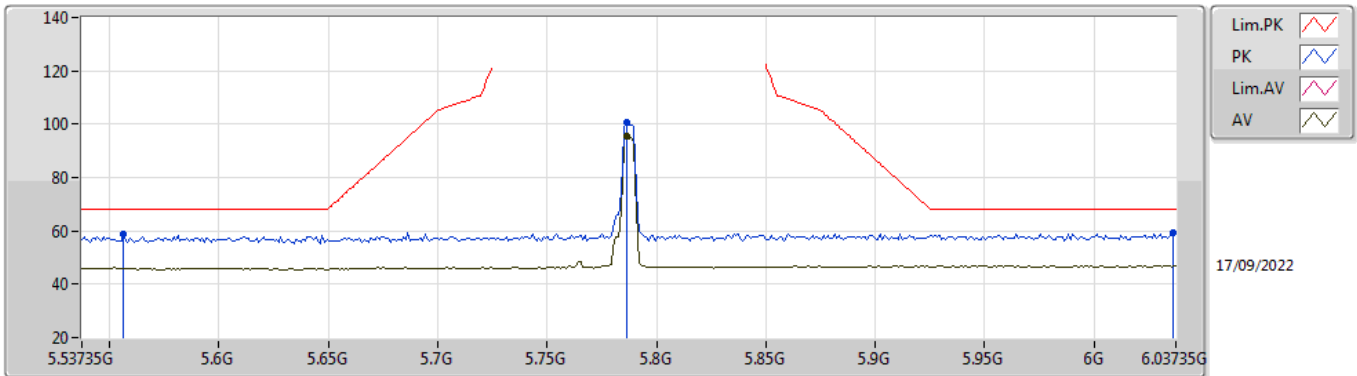


EUT\_Z\_1TX  
 Setting 0x05  
 06-E-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.45864G	57.07	74.00	-16.93	42.42	3	Horizontal	301	2.72	-	40.10	9.18	34.63
AV	11.45792G	42.97	54.00	-11.03	28.33	3	Horizontal	301	2.72	-	40.10	9.17	34.63

### 4-DQPSK

### 5787.35MHz\_TnomVnom

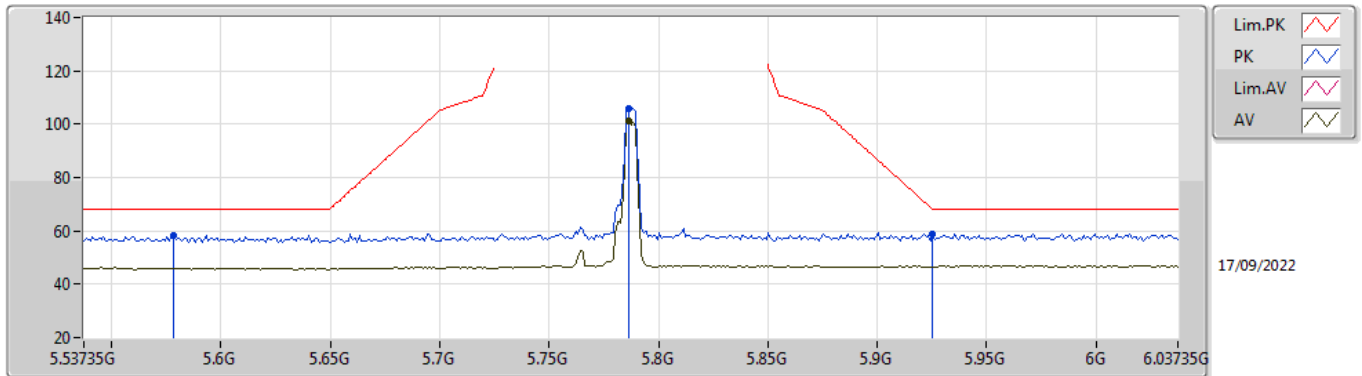


EUT\_Z\_1TX  
Setting 0x05  
06-E-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.55635G	58.54	68.20	-9.66	53.26	3	Vertical	146	2.98	-	31.90	5.86	32.48
PK	5.78635G	100.59	Inf	-Inf	94.83	3	Vertical	146	2.98	-	32.27	5.90	32.41
AV	5.78635G	95.52	Inf	-Inf	89.76	3	Vertical	146	2.98	-	32.27	5.90	32.41
PK	6.03635G	59.08	68.20	-9.12	52.80	3	Vertical	146	2.98	-	32.57	6.10	32.39

### 4-DQPSK

### 5787.35MHz\_TnomVnom



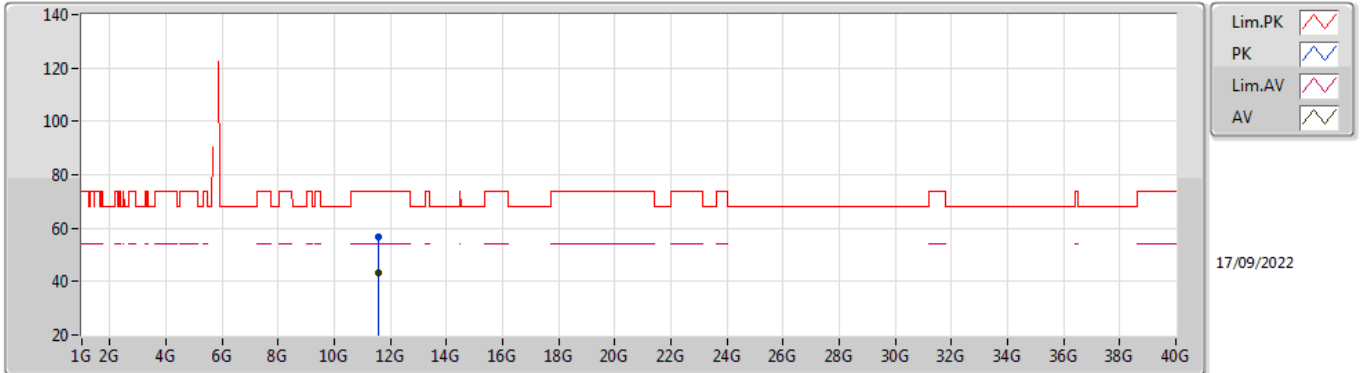
EUT\_Z\_1TX  
Setting 0x05  
06-E-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.57835G	58.41	68.20	-9.79	53.10	3	Horizontal	214	1.00	-	31.90	5.88	32.47
PK	5.78635G	106.11	Inf	-Inf	100.35	3	Horizontal	214	1.00	-	32.27	5.90	32.41
AV	5.78635G	101.25	Inf	-Inf	95.49	3	Horizontal	214	1.00	-	32.27	5.90	32.41
PK	5.925G	59.01	68.20	-9.19	52.74	3	Horizontal	214	1.00	-	32.60	6.03	32.36



### 4-DQPSK

### 5787.35MHz\_TnomVnom

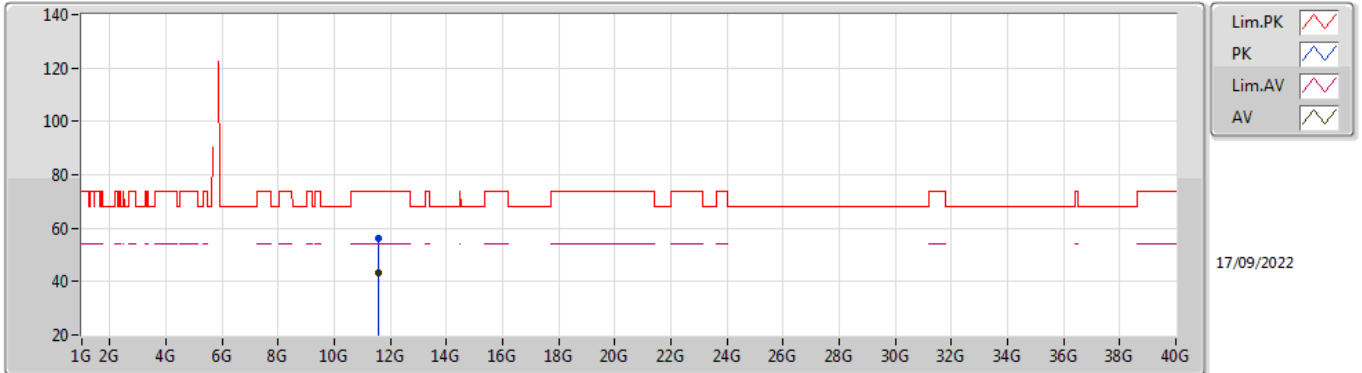


EUT\_Z\_1TX  
Setting 0x05  
06-E-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.57586G	56.71	74.00	-17.29	42.15	3	Vertical	117	2.30	-	39.95	9.25	34.64
AV	11.57012G	43.50	54.00	-10.50	28.94	3	Vertical	117	2.30	-	39.96	9.24	34.64

### 4-DQPSK

### 5787.35MHz\_TnomVnom

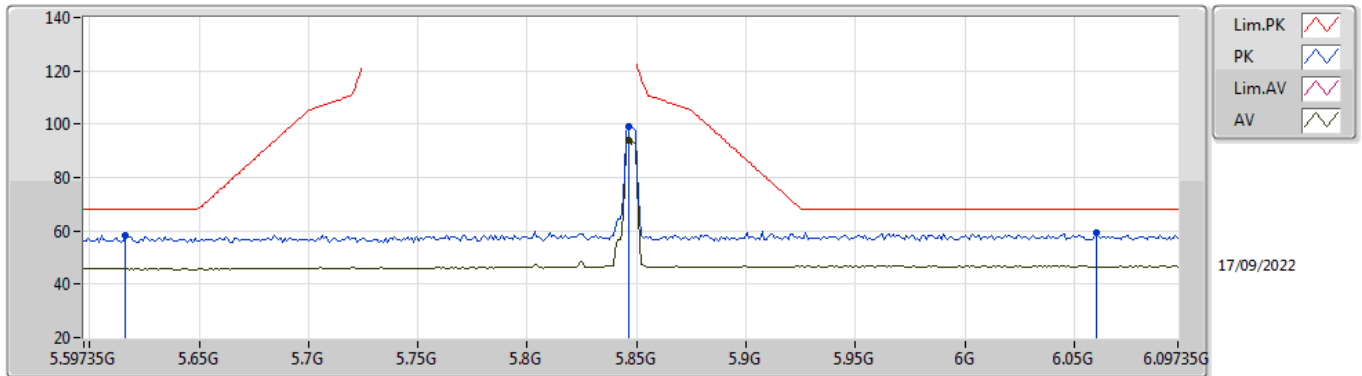


EUT\_Z\_1TX  
Setting 0x05  
06-E-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.5736G	56.34	74.00	-17.66	41.79	3	Horizontal	164	2.66	-	39.95	9.24	34.64
AV	11.5791G	43.42	54.00	-10.58	28.87	3	Horizontal	164	2.66	-	39.94	9.25	34.64

### 4-DQPSK

### 5847.35MHz\_TnomVnom

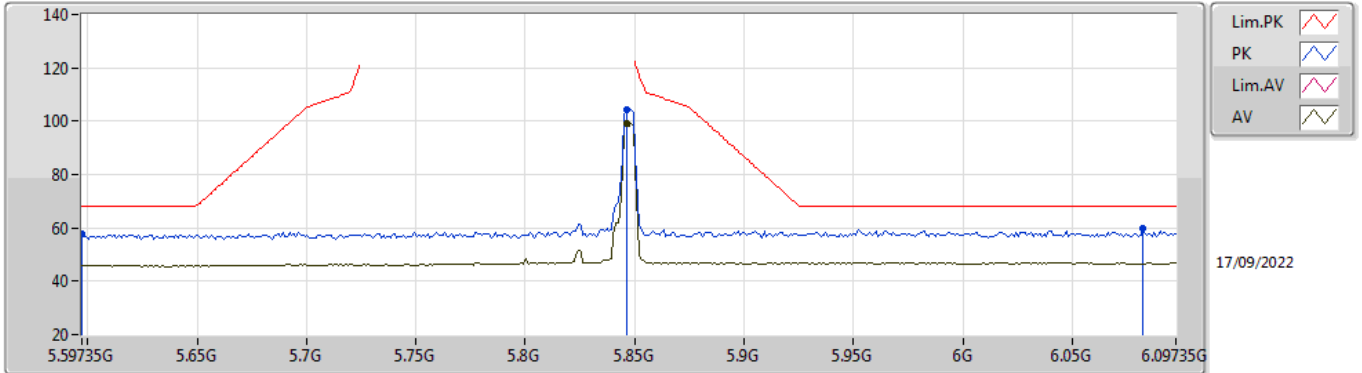


EUT\_Z\_1TX  
Setting 0x05  
06-E-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.61635G	58.22	68.20	-9.98	52.91	3	Vertical	144	2.92	-	31.87	5.90	32.46
PK	5.84635G	98.92	Inf	-Inf	93.06	3	Vertical	144	2.92	-	32.30	5.95	32.39
AV	5.84635G	93.91	Inf	-Inf	88.05	3	Vertical	144	2.92	-	32.30	5.95	32.39
PK	6.06035G	59.26	68.20	-8.94	52.99	3	Vertical	144	2.92	-	32.60	6.10	32.43

### 4-DQPSK

### 5847.35MHz\_TnomVnom

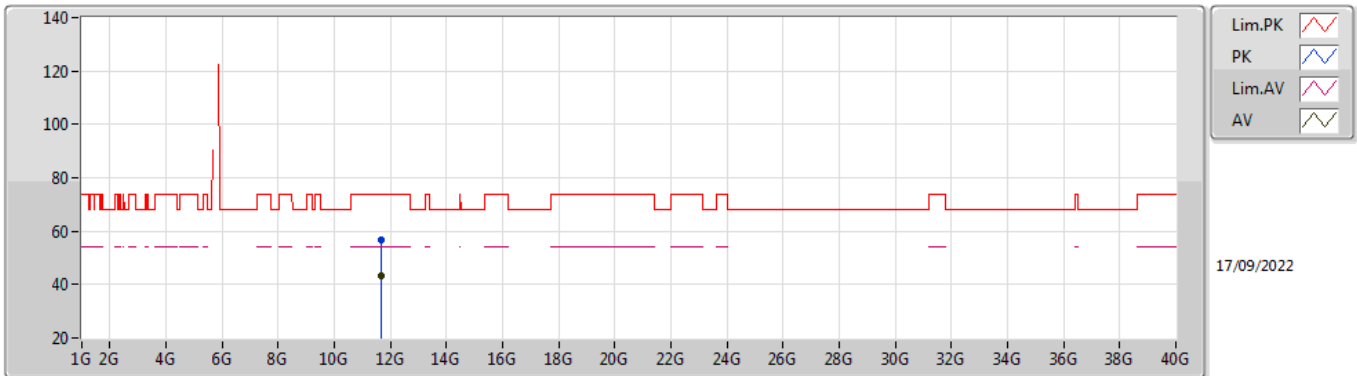


EUT Z\_1TX  
Setting 0x05  
06-E-S-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.59735G	57.70	68.20	-10.50	52.37	3	Horizontal	214	1.03	-	31.90	5.90	32.47
PK	5.84635G	104.48	Inf	-Inf	98.62	3	Horizontal	214	1.03	-	32.30	5.95	32.39
AV	5.84635G	99.34	Inf	-Inf	93.48	3	Horizontal	214	1.03	-	32.30	5.95	32.39
PK	6.08235G	59.58	68.20	-8.62	53.34	3	Horizontal	214	1.03	-	32.60	6.10	32.46

### 4-DQPSK

### 5847.35MHz\_TnomVnom

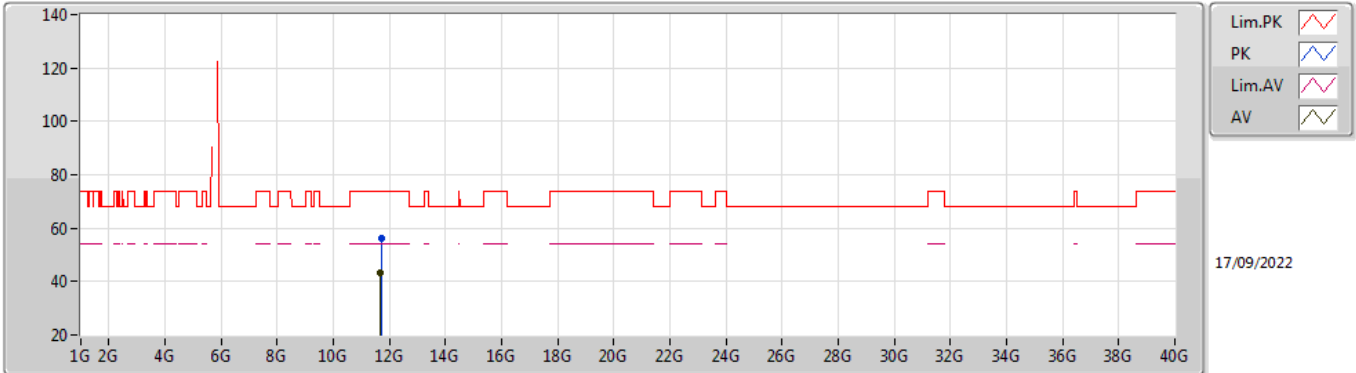


EUT\_Z\_1TX  
Setting 0x05  
06-E-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.69462G	56.73	74.00	-17.27	42.73	3	Vertical	199	1.98	-	39.33	9.32	34.65
AV	11.69038G	43.13	54.00	-10.87	29.11	3	Vertical	199	1.98	-	39.36	9.31	34.65

### 4-DQPSK

### 5847.35MHz\_TnomVnom



EUT\_Z\_1TX  
 Setting 0x05  
 06-E-S-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.6996G	56.39	74.00	-17.61	42.42	3	Horizontal	7	2.47	-	39.30	9.32	34.65
AV	11.6939G	43.22	54.00	-10.78	29.21	3	Horizontal	7	2.47	-	39.34	9.32	34.65

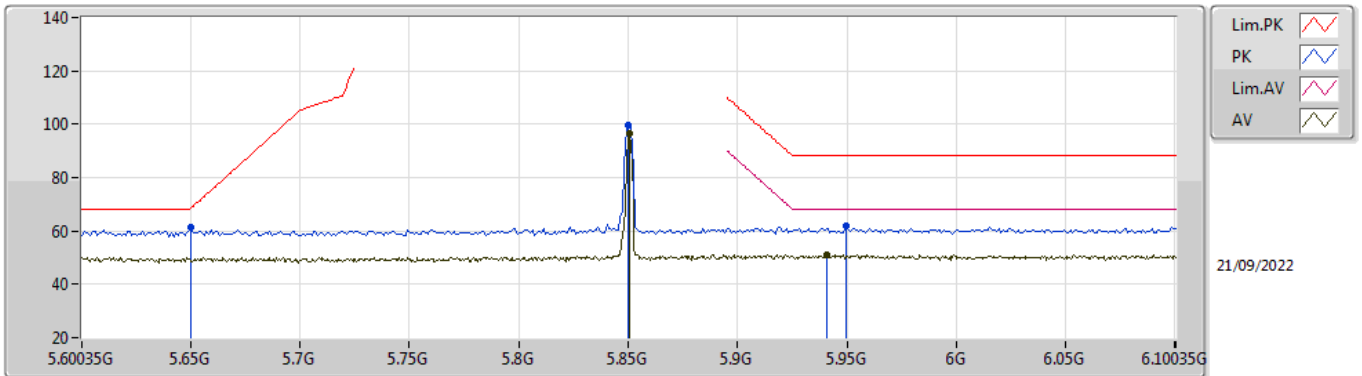


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.85-5.895GHz	-	-	-	-	-	-	-	-	-	-	-
pi/4-DQPSK	Pass	AV	11.74594G	51.15	54.00	-2.85	3	Vertical	235	2.96	-

### 4-DQPSK

### 5850.35MHz\_TnomVnom



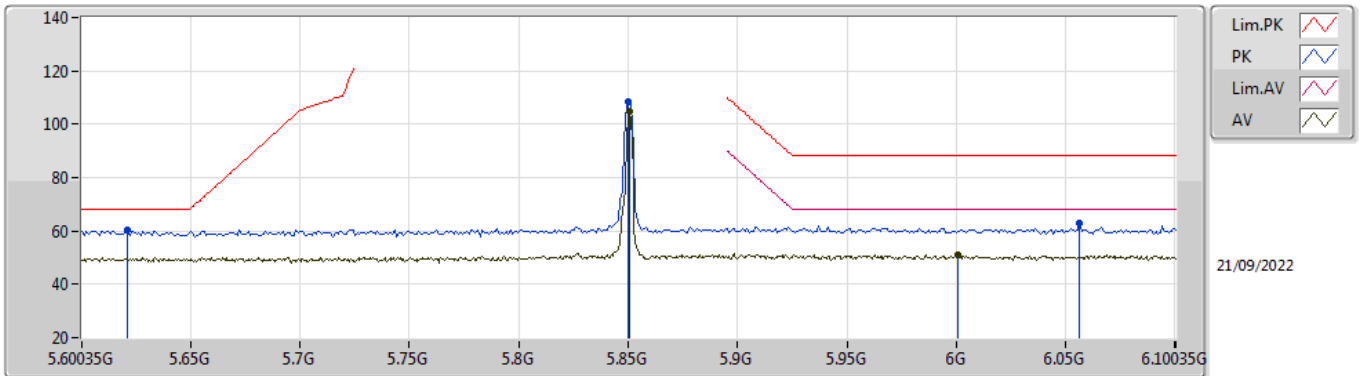
EUT\_Z\_1TX  
Setting 0x05  
03-R-E-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.65035G	61.32	68.46	-7.14	54.31	3	Vertical	144	2.91	-	34.50	7.40	34.89
PK	5.85G	99.80	Inf	-Inf	92.99	3	Vertical	144	2.91	-	34.30	7.45	34.94
AV	5.85035G	96.67	Inf	-Inf	89.86	3	Vertical	144	2.91	-	34.30	7.45	34.94
PK	5.94935G	61.94	88.20	-26.26	54.55	3	Vertical	144	2.91	-	34.80	7.55	34.96
RMS	5.94085G	51.05	68.20	-17.15	43.71	3	Vertical	144	2.91	-	34.76	7.54	34.96



### 4-DQPSK

### 5850.35MHz\_TnomVnom

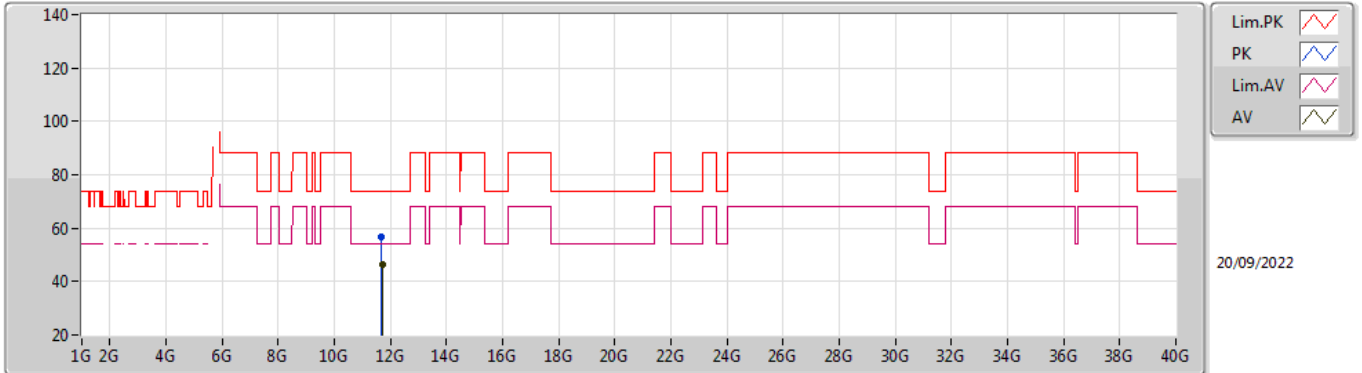


EUT\_Z\_1TX  
Setting 0x05  
03-R-E-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.62135G	60.35	68.20	-7.85	53.28	3	Horizontal	267	1.01	-	34.56	7.40	34.89
PK	5.85G	108.62	Inf	-Inf	101.81	3	Horizontal	267	1.01	-	34.30	7.45	34.94
AV	5.85085G	104.81	Inf	-Inf	97.99	3	Horizontal	267	1.01	-	34.31	7.45	34.94
PK	6.05635G	63.08	88.20	-25.12	55.52	3	Horizontal	267	1.01	-	34.91	7.63	34.98
RMS	6.00085G	51.08	68.20	-17.12	43.65	3	Horizontal	267	1.01	-	34.80	7.60	34.97

### 4-DQPSK

### 5850.35MHz\_TnomVnom

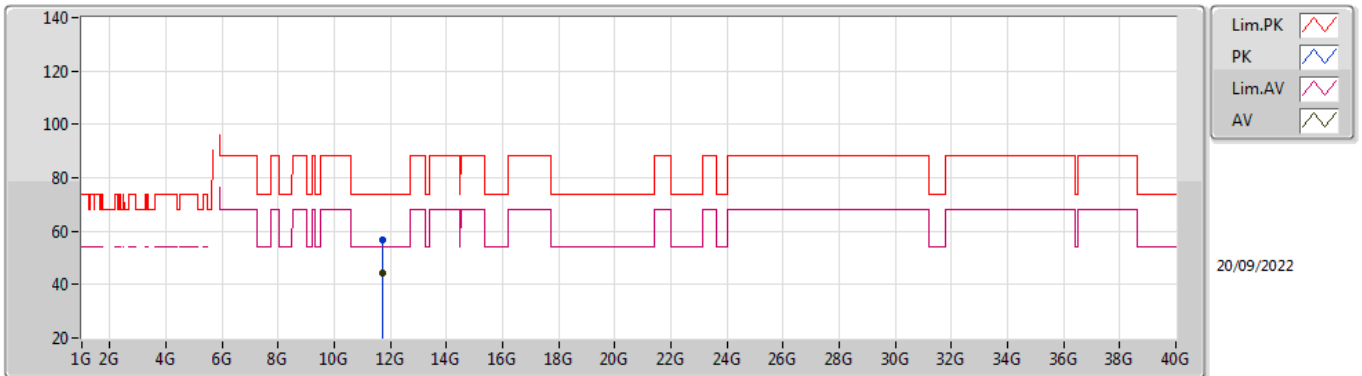


EUT\_Z\_1TX  
Setting 0x05  
03-R-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.69092G	56.91	74.00	-17.09	41.72	3	Vertical	218	2.97	-	39.40	10.75	34.96
AV	11.69794G	46.55	54.00	-7.45	31.36	3	Vertical	218	2.97	-	39.40	10.75	34.96

### 4-DQPSK

### 5850.35MHz\_TnomVnom

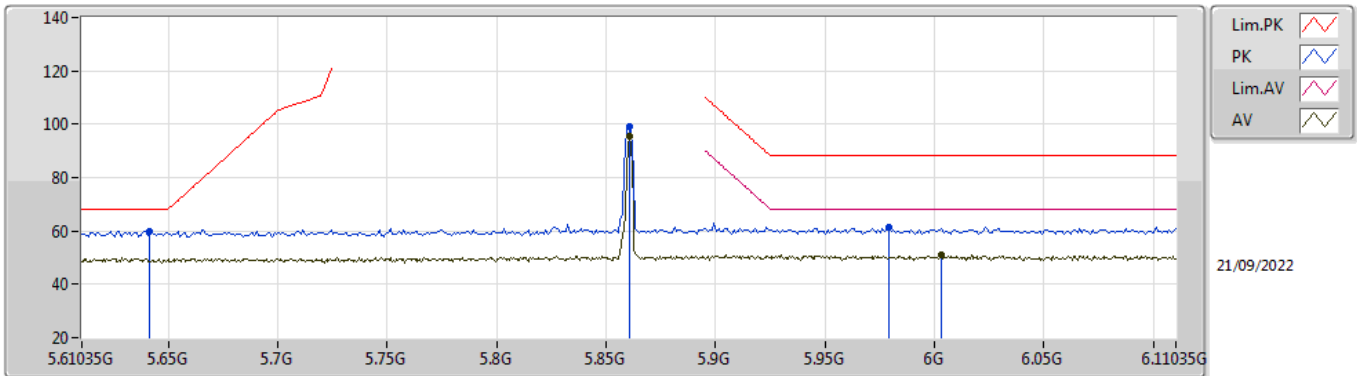


EUT\_Z\_1TX  
Setting 0x05  
03-R-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.69788G	56.77	74.00	-17.23	41.58	3	Horizontal	270	2.55	-	39.40	10.75	34.96
AV	11.69794G	44.51	54.00	-9.49	29.32	3	Horizontal	270	2.55	-	39.40	10.75	34.96

### 4-DQPSK

### 5860.35MHz\_TnomVnom

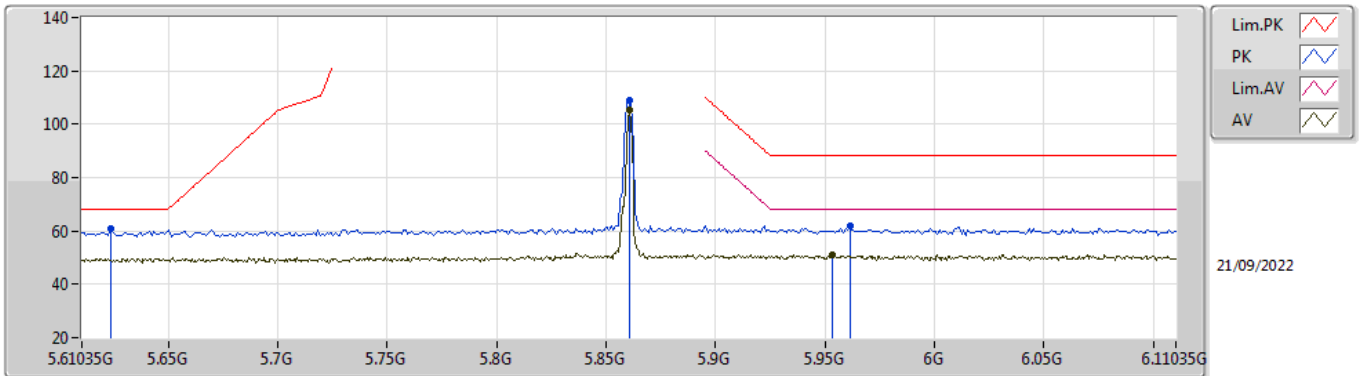


EUT\_Z\_1TX  
Setting 0x05  
03-R-E-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.64135G	59.79	68.20	-8.41	52.76	3	Vertical	136	2.92	-	34.52	7.40	34.89
PK	5.86035G	99.09	Inf	-Inf	92.21	3	Vertical	136	2.92	-	34.36	7.46	34.94
AV	5.86085G	95.37	Inf	-Inf	88.48	3	Vertical	136	2.92	-	34.37	7.46	34.94
PK	5.97935G	61.46	88.20	-26.74	54.05	3	Vertical	136	2.92	-	34.80	7.58	34.97
RMS	6.00285G	50.87	68.20	-17.33	43.43	3	Vertical	136	2.92	-	34.81	7.60	34.97

### 4-DQPSK

### 5860.35MHz\_TnomVnom

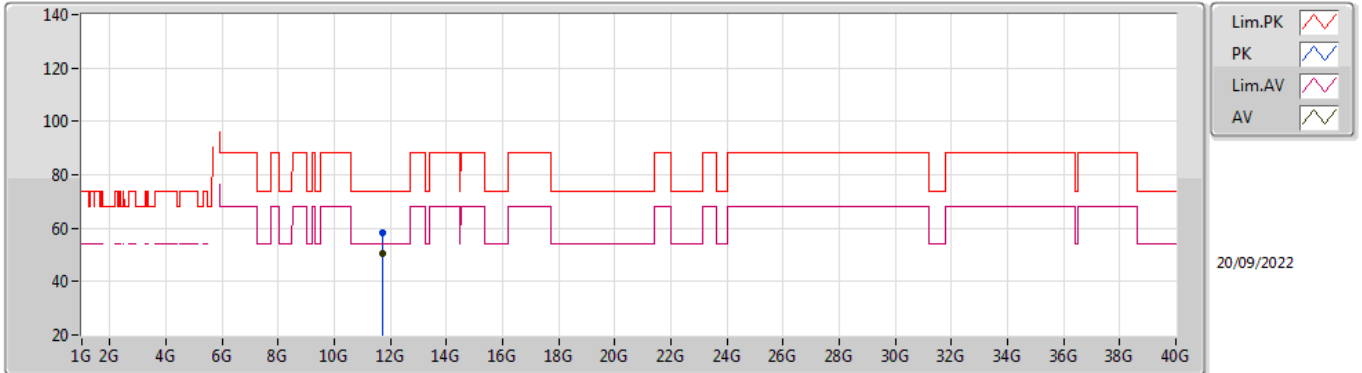


EUT\_Z\_1TX  
Setting 0x05  
03-R-E-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.62335G	60.70	68.20	-7.50	53.64	3	Horizontal	267	1.01	-	34.55	7.40	34.89
PK	5.86035G	108.93	Inf	-Inf	102.05	3	Horizontal	267	1.01	-	34.36	7.46	34.94
AV	5.86035G	105.57	Inf	-Inf	98.69	3	Horizontal	267	1.01	-	34.36	7.46	34.94
PK	5.96135G	61.73	88.20	-26.47	54.33	3	Horizontal	267	1.01	-	34.80	7.56	34.96
RMS	5.95335G	51.09	68.20	-17.11	43.70	3	Horizontal	267	1.01	-	34.80	7.55	34.96

### 4-DQPSK

### 5860.35MHz\_TnomVnom

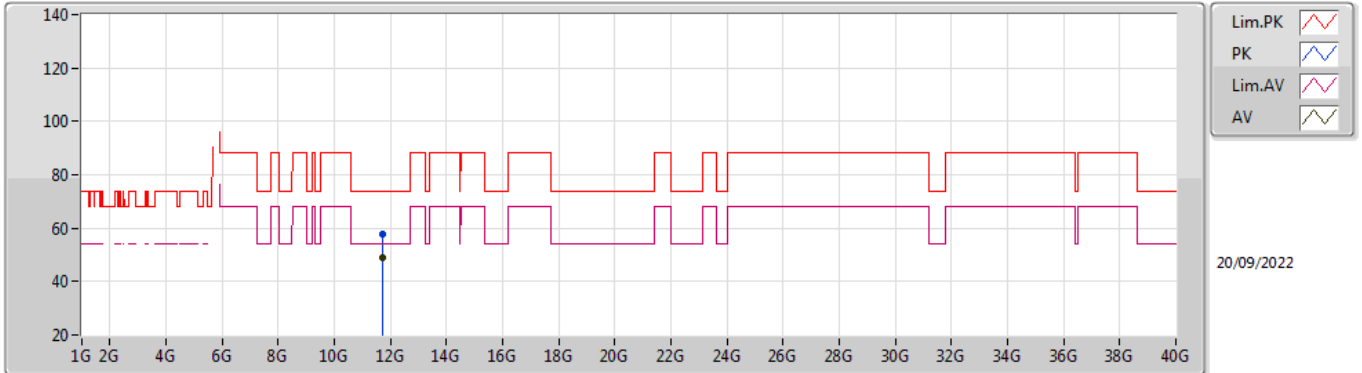


EUT\_Z\_1TX  
Setting 0x05  
03-R-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.71794G	58.45	74.00	-15.55	43.24	3	Vertical	218	2.40	-	39.42	10.76	34.97
AV	11.71794G	50.76	54.00	-3.24	35.55	3	Vertical	218	2.40	-	39.42	10.76	34.97

### 4-DQPSK

### 5860.35MHz\_TnomVnom

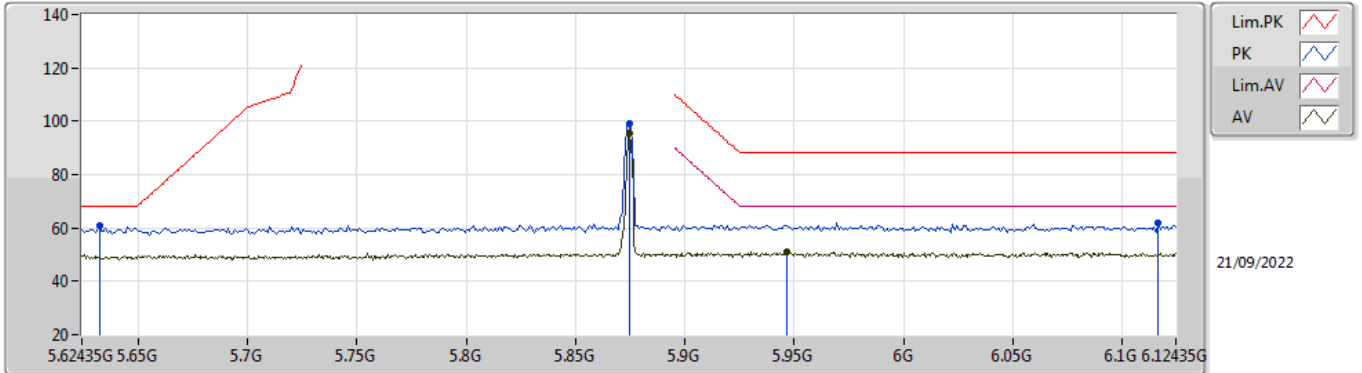


EUT\_Z\_1TX  
Setting 0x05  
03-R-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.71806G	57.62	74.00	-16.38	42.41	3	Horizontal	5	2.19	-	39.42	10.76	34.97
AV	11.718G	48.76	54.00	-5.24	33.55	3	Horizontal	5	2.19	-	39.42	10.76	34.97

### 4-DQPSK

### 5874.35MHz\_TnomVnom



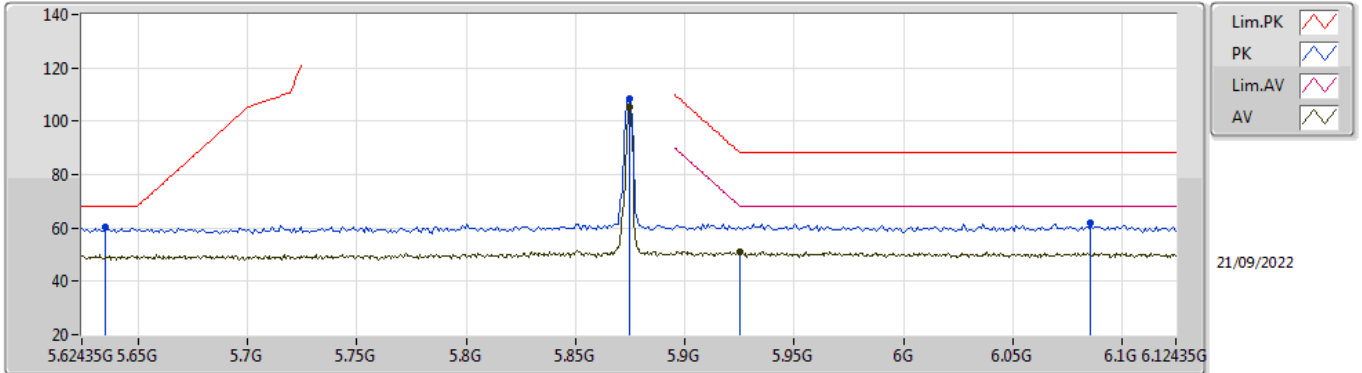
EUT\_Z\_1TX  
Setting 0x05  
03-R-E-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.63235G	60.67	68.20	-7.53	53.62	3	Vertical	193	3.00	-	34.54	7.40	34.89
PK	5.87435G	99.00	Inf	-Inf	92.02	3	Vertical	193	3.00	-	34.45	7.47	34.94
AV	5.87435G	95.44	Inf	-Inf	88.46	3	Vertical	193	3.00	-	34.45	7.47	34.94
RMS	5.94685G	51.07	68.20	-17.13	43.69	3	Vertical	193	3.00	-	34.79	7.55	34.96
PK	6.11635G	61.76	88.20	-26.44	54.08	3	Vertical	193	3.00	-	35.00	7.66	34.98



### 4-DQPSK

### 5874.35MHz\_TnomVnom

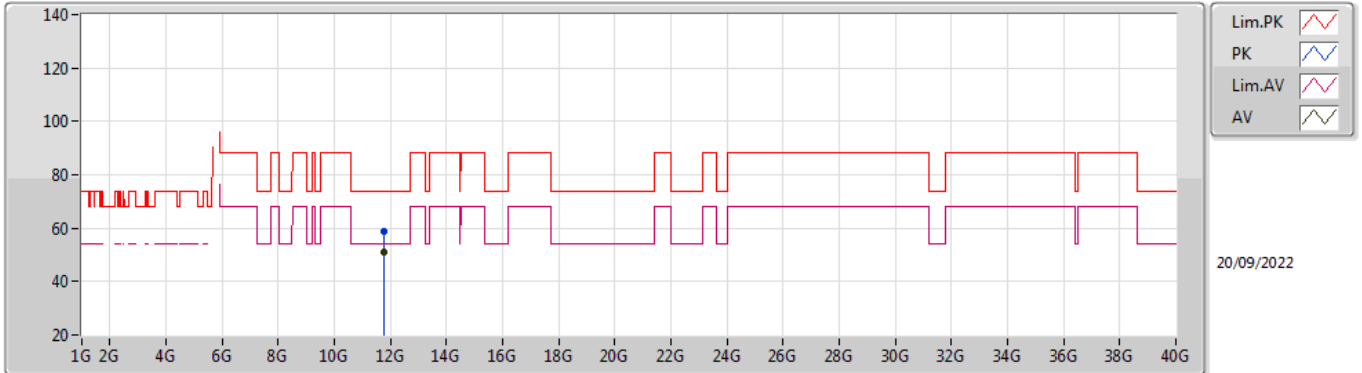


EUT\_Z\_1TX  
Setting 0x05  
03-R-E-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.63535G	60.52	68.20	-7.68	53.48	3	Horizontal	266	1.07	-	34.53	7.40	34.89
PK	5.87435G	108.58	Inf	-Inf	101.60	3	Horizontal	266	1.07	-	34.45	7.47	34.94
AV	5.87435G	105.40	Inf	-Inf	98.42	3	Horizontal	266	1.07	-	34.45	7.47	34.94
RMS	5.925G	51.05	68.20	-17.15	43.77	3	Horizontal	266	1.07	-	34.70	7.53	34.95
PK	6.08535G	61.77	88.20	-26.43	54.14	3	Horizontal	266	1.07	-	34.97	7.64	34.98

### 4-DQPSK

### 5874.35MHz\_TnomVnom

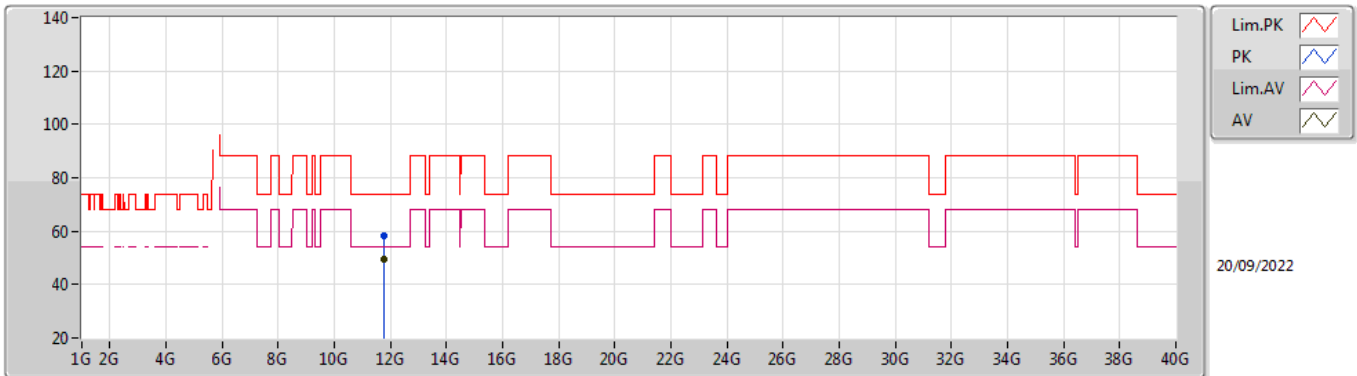


EUT\_Z\_1TX  
Setting 0x05  
03-R-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.74594G	58.93	74.00	-15.07	43.70	3	Vertical	235	2.96	-	39.45	10.76	34.98
AV	11.74594G	51.15	54.00	-2.85	35.92	3	Vertical	235	2.96	-	39.45	10.76	34.98

### 4-DQPSK

### 5874.35MHz\_TnomVnom

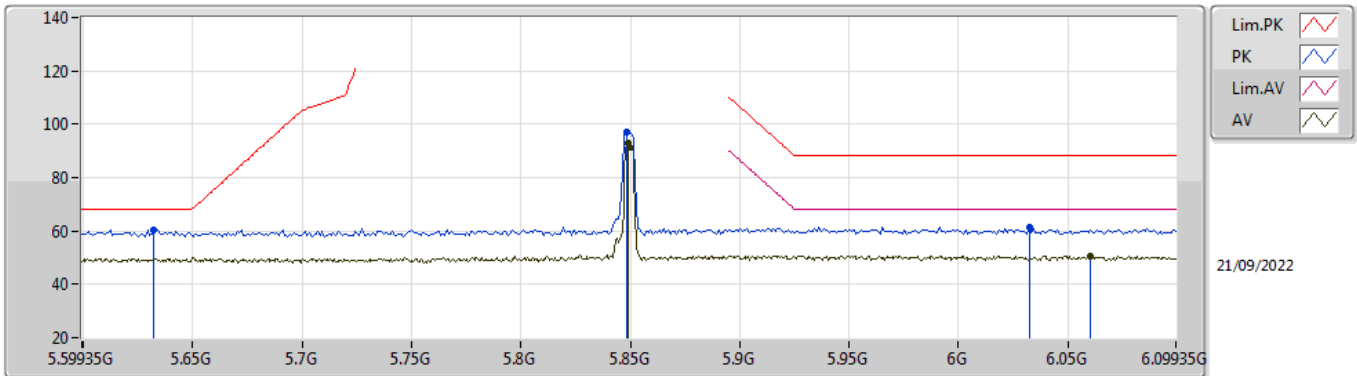


EUT\_Z\_1TX  
Setting 0x05  
03-R-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.74612G	58.24	74.00	-15.76	43.01	3	Horizontal	4	2.21	-	39.45	10.76	34.98
AV	11.74594G	49.49	54.00	-4.51	34.26	3	Horizontal	4	2.21	-	39.45	10.76	34.98

### 4-DQPSK

### 5849.35MHz\_TnomVnom

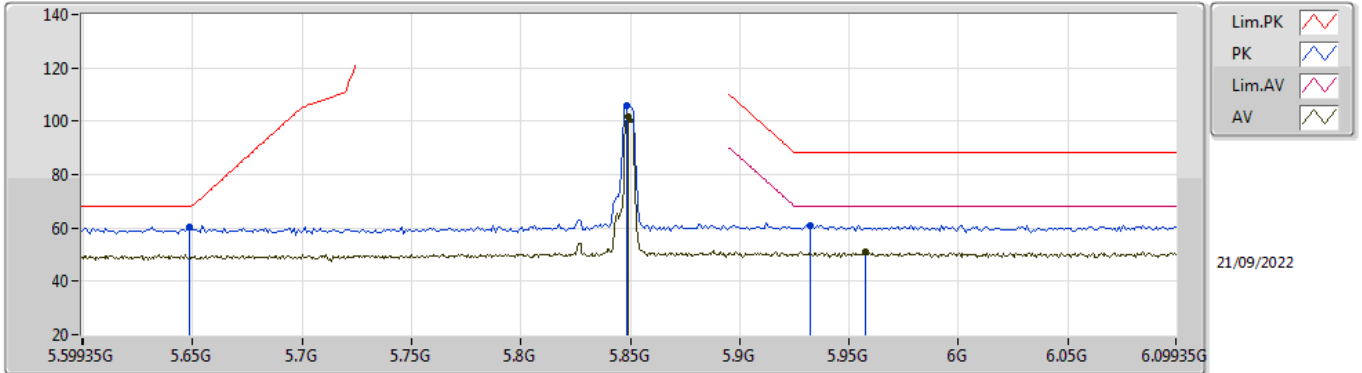


EUT\_Z\_1TX  
Setting 0x05  
03-R-E-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.63235G	60.37	68.20	-7.83	53.32	3	Vertical	186	2.92	-	34.54	7.40	34.89
PK	5.84835G	96.97	Inf	-Inf	90.16	3	Vertical	186	2.92	-	34.30	7.45	34.94
AV	5.84885G	92.92	Inf	-Inf	86.11	3	Vertical	186	2.92	-	34.30	7.45	34.94
PK	6.03235G	61.52	88.20	-26.68	54.01	3	Vertical	186	2.92	-	34.86	7.62	34.97
RMS	6.06035G	50.77	68.20	-17.43	43.20	3	Vertical	186	2.92	-	34.92	7.63	34.98

### 4-DQPSK

### 5849.35MHz\_TnomVnom

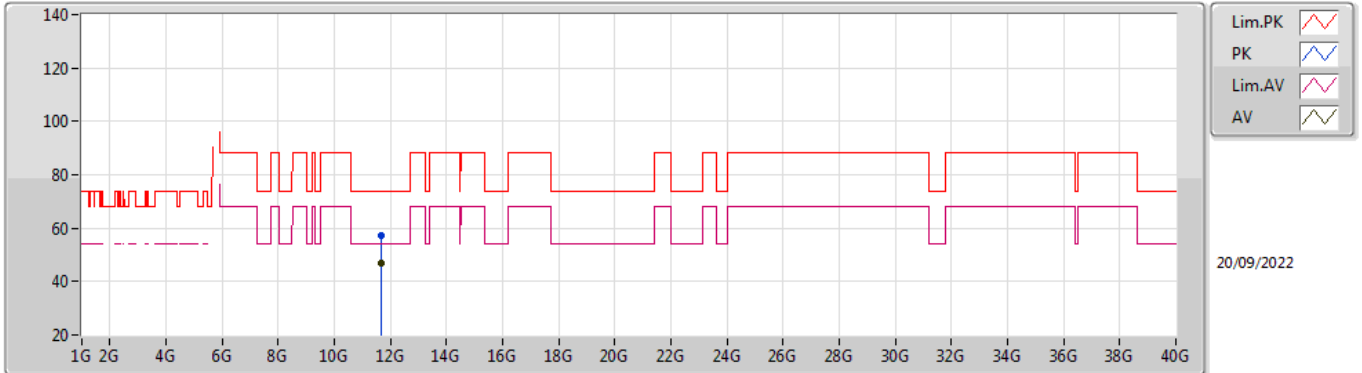


EUT\_Z\_1TX  
Setting 0x05  
03-R-E-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.64835G	60.49	68.20	-7.71	53.48	3	Horizontal	268	1.00	-	34.50	7.40	34.89
PK	5.84835G	105.86	Inf	-Inf	99.05	3	Horizontal	268	1.00	-	34.30	7.45	34.94
AV	5.84885G	101.89	Inf	-Inf	95.08	3	Horizontal	268	1.00	-	34.30	7.45	34.94
PK	5.93235G	61.07	88.20	-27.13	53.77	3	Horizontal	268	1.00	-	34.73	7.53	34.96
RMS	5.95735G	51.01	68.20	-17.19	43.61	3	Horizontal	268	1.00	-	34.80	7.56	34.96

### 4-DQPSK

### 5849.35MHz\_TnomVnom

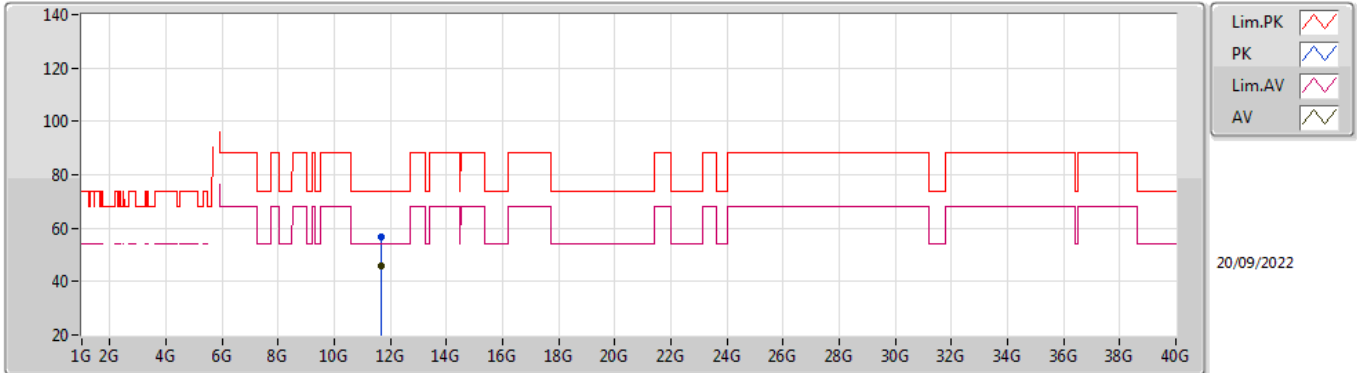


EUT\_Z\_1TX  
Setting 0x05  
03-R-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.69396G	57.03	74.00	-16.97	41.84	3	Vertical	221	2.43	-	39.40	10.75	34.96
AV	11.6939G	47.13	54.00	-6.87	31.94	3	Vertical	221	2.43	-	39.40	10.75	34.96

### 4-DQPSK

### 5849.35MHz\_TnomVnom

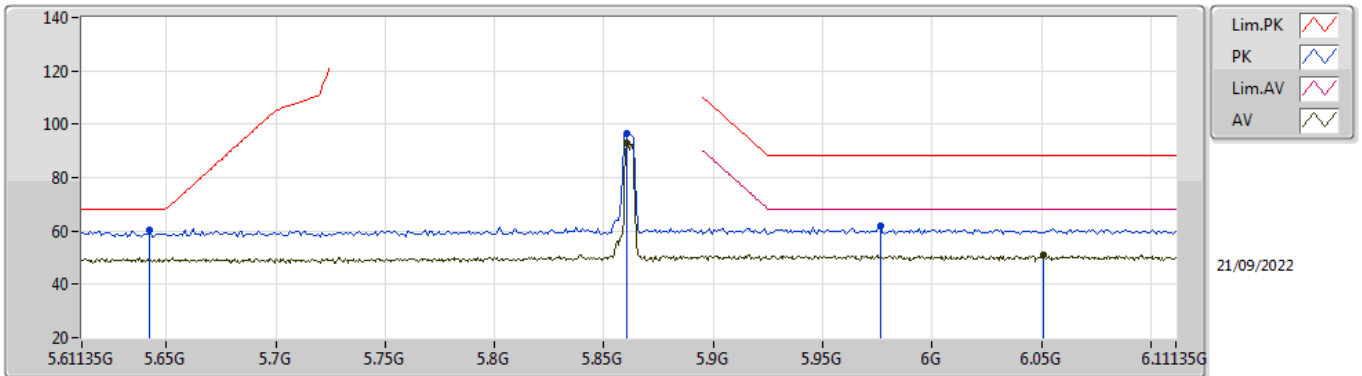


EUT\_Z\_1TX  
Setting 0x05  
03-R-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.69402G	56.62	74.00	-17.38	41.43	3	Horizontal	349	2.24	-	39.40	10.75	34.96
AV	11.6939G	45.88	54.00	-8.12	30.69	3	Horizontal	349	2.24	-	39.40	10.75	34.96

### 4-DQPSK

### 5861.35MHz\_TnomVnom



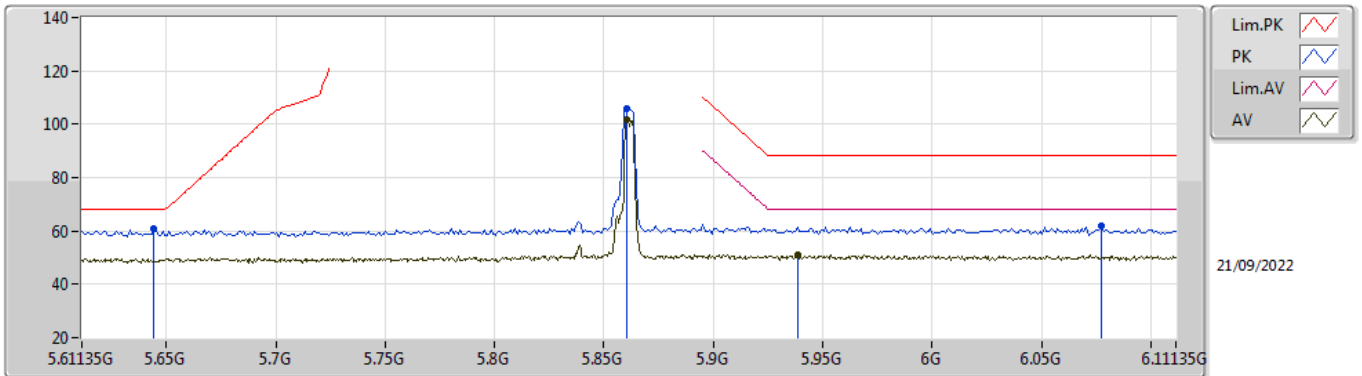
EUT\_Z\_1TX  
Setting 0x05  
03-R-E-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.64235G	60.33	68.20	-7.87	53.30	3	Vertical	186	2.90	-	34.52	7.40	34.89
PK	5.86035G	96.64	Inf	-Inf	89.76	3	Vertical	186	2.90	-	34.36	7.46	34.94
AV	5.86035G	92.79	Inf	-Inf	85.91	3	Vertical	186	2.90	-	34.36	7.46	34.94
PK	5.97635G	62.11	88.20	-26.09	54.69	3	Vertical	186	2.90	-	34.80	7.58	34.96
RMS	6.05085G	51.00	68.20	-17.20	43.45	3	Vertical	186	2.90	-	34.90	7.63	34.98



### 4-DQPSK

### 5861.35MHz\_TnomVnom

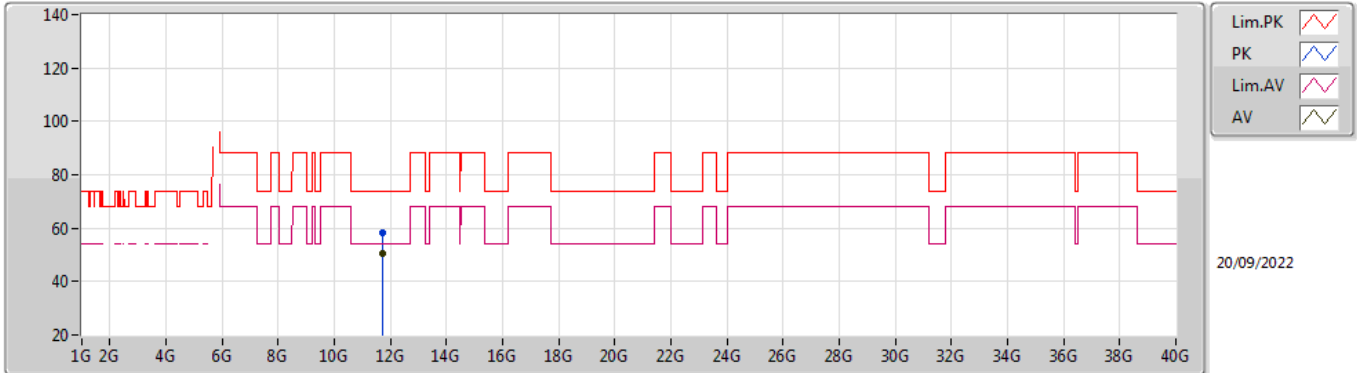


EUT\_Z\_1TX  
Setting 0x05  
03-R-E-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.64435G	60.73	68.20	-7.47	53.71	3	Horizontal	269	1.00	-	34.51	7.40	34.89
PK	5.86035G	106.05	Inf	-Inf	99.17	3	Horizontal	269	1.00	-	34.36	7.46	34.94
AV	5.86035G	101.89	Inf	-Inf	95.01	3	Horizontal	269	1.00	-	34.36	7.46	34.94
RMS	5.93835G	50.92	68.20	-17.28	43.59	3	Horizontal	269	1.00	-	34.75	7.54	34.96
PK	6.07735G	61.69	88.20	-26.51	54.08	3	Horizontal	269	1.00	-	34.95	7.64	34.98

### 4-DQPSK

### 5861.35MHz\_TnomVnom

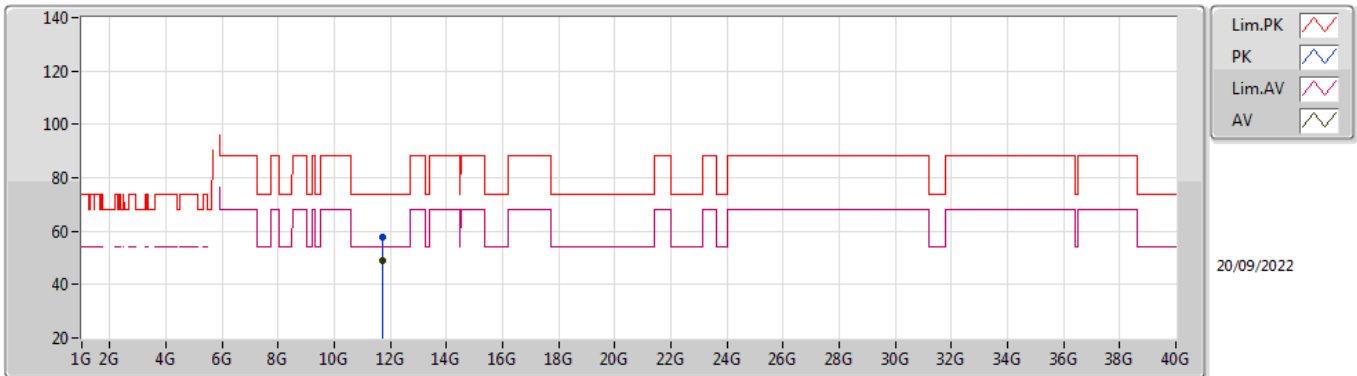


EUT\_Z\_1TX  
Setting 0x05  
03-R-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.7179G	58.11	74.00	-15.89	42.90	3	Vertical	218	2.41	-	39.42	10.76	34.97
AV	11.71796G	50.73	54.00	-3.27	35.52	3	Vertical	218	2.41	-	39.42	10.76	34.97

### 4-DQPSK

### 5861.35MHz\_TnomVnom

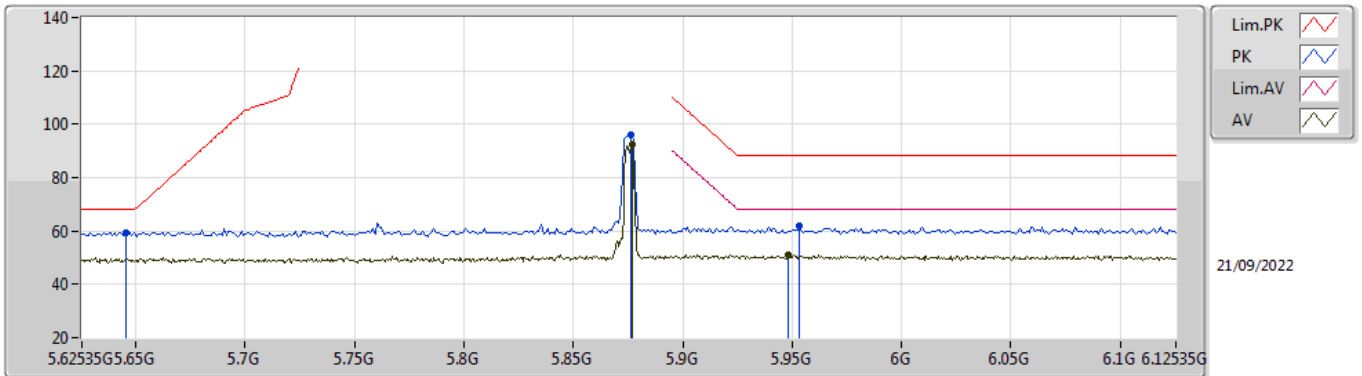


EUT\_Z\_1TX  
Setting 0x05  
03-R-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.71802G	57.91	74.00	-16.09	42.70	3	Horizontal	4	2.22	-	39.42	10.76	34.97
AV	11.71796G	48.89	54.00	-5.11	33.68	3	Horizontal	4	2.22	-	39.42	10.76	34.97

### 4-DQPSK

### 5875.35MHz\_TnomVnom

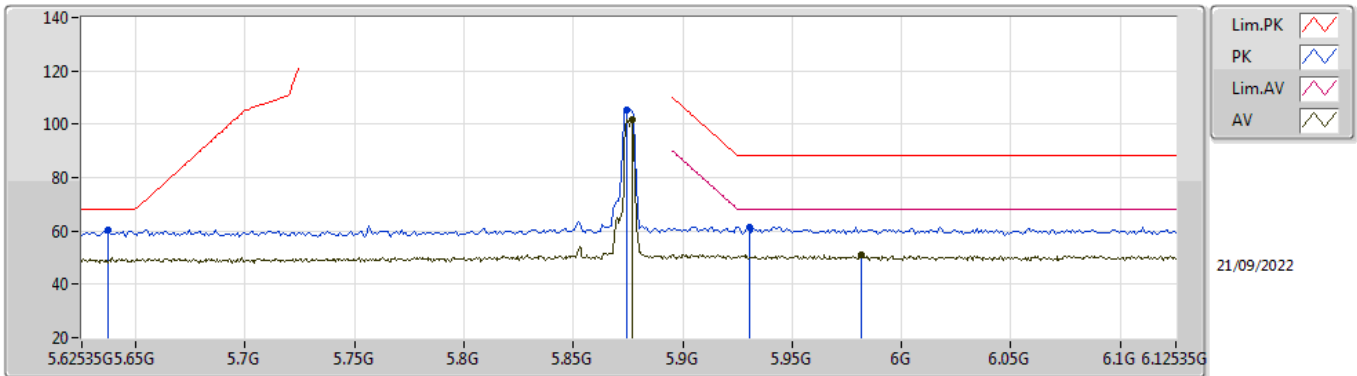


EUT\_Z\_1TX  
Setting 0x05  
03-R-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.64535G	59.52	68.20	-8.68	52.50	3	Vertical	189	3.00	-	34.51	7.40	34.89
PK	5.87635G	95.78	Inf	-Inf	88.78	3	Vertical	189	3.00	-	34.46	7.48	34.94
AV	5.87685G	92.48	Inf	-Inf	85.48	3	Vertical	189	3.00	-	34.46	7.48	34.94
PK	5.95335G	61.90	88.20	-26.30	54.51	3	Vertical	189	3.00	-	34.80	7.55	34.96
RMS	5.94835G	51.01	68.20	-17.19	43.63	3	Vertical	189	3.00	-	34.79	7.55	34.96

### 4-DQPSK

### 5875.35MHz\_TnomVnom

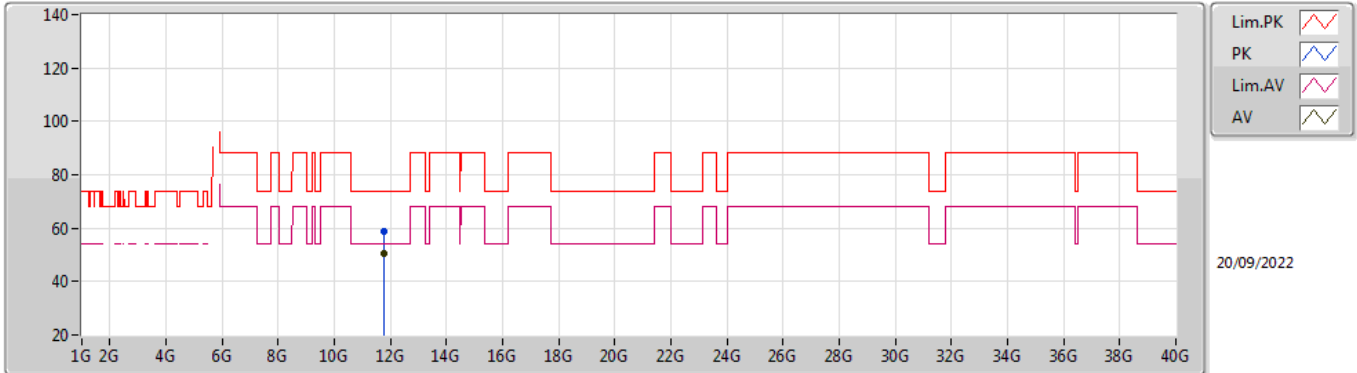


EUT\_Z\_1TX  
Setting 0x05  
03-R-C-6-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.63735G	60.11	68.20	-8.09	53.07	3	Horizontal	265	1.00	-	34.53	7.40	34.89
PK	5.87435G	105.60	Inf	-Inf	98.62	3	Horizontal	265	1.00	-	34.45	7.47	34.94
AV	5.87685G	101.67	Inf	-Inf	94.67	3	Horizontal	265	1.00	-	34.46	7.48	34.94
PK	5.93035G	61.47	88.20	-26.73	54.17	3	Horizontal	265	1.00	-	34.72	7.53	34.95
RMS	5.98135G	51.00	68.20	-17.20	43.59	3	Horizontal	265	1.00	-	34.80	7.58	34.97

### 4-DQPSK

### 5875.35MHz\_TnomVnom

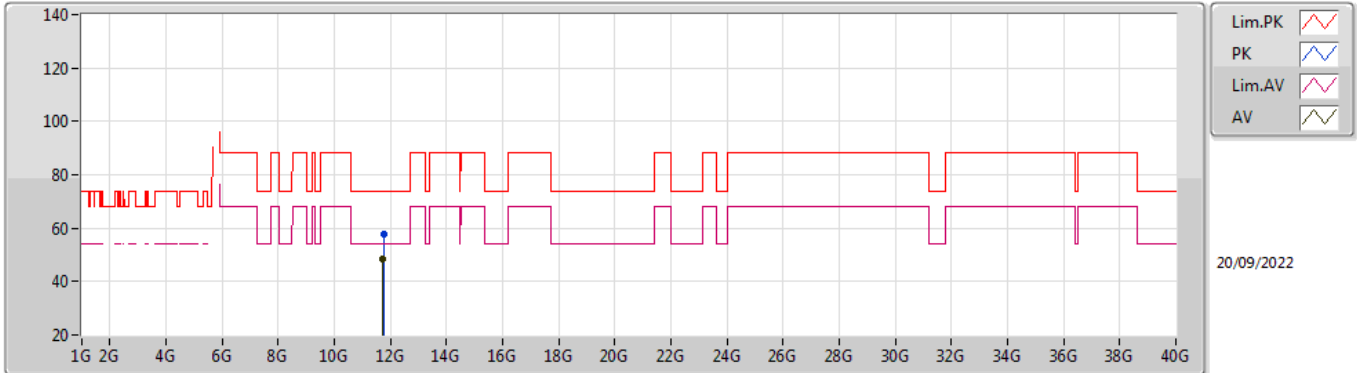


EUT\_Z\_1TX  
Setting 0x05  
03-R-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.74602G	58.62	74.00	-15.38	43.39	3	Vertical	235	2.95	-	39.45	10.76	34.98
AV	11.74596G	50.43	54.00	-3.57	35.20	3	Vertical	235	2.95	-	39.45	10.76	34.98

### 4-DQPSK

### 5875.35MHz\_TnomVnom



EUT\_Z\_1TX  
Setting 0x05  
03-R-C-6

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.74596G	57.90	74.00	-16.10	42.67	3	Horizontal	3	2.20	-	39.45	10.76	34.98
AV	11.7459G	48.65	54.00	-5.35	33.42	3	Horizontal	3	2.20	-	39.45	10.76	34.98