



RADIO TEST REPORT

FCC ID : Z8H89FT0081
Equipment : 6084HH
Brand Name : Cambium Networks
Model Name : 6084HH
Applicant : Cambium Networks Inc.
3800 Golf Road, Suite 360 Rolling Meadows, IL
60008, USA
Manufacturer : Cambium Networks, Ltd.
Ashburton, TQ13 7UP, UK
Standard : 47 CFR FCC Part 15.407

The product was received on Sep. 05, 2023, and testing was started from Sep. 05, 2023 and completed on Nov. 13, 2023. 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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Photographs of EUT v01



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.3	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	-

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the chapter "Measurement Uncertainty".

Disclaimer:

1. The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.
2. The test configuration, test mode and test software were written in this test report are declared by the manufacturer.

Reviewed by: **Sam Chen**
Report Producer: **Sophia Shiung**



1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	Ch. Bandwidth (MHz)	Ch. Frequency (MHz)	Ch. Space (MHz)
5150-5250	5	5156-5244	1
5725-5850		5731-5844	1
5150-5250	10	5155-5245	1
5725-5850		5730-5845	1
5150-5250	15	5158-5242	1
5725-5850		5733-5842	1
5150-5250	20	5160-5240	1
5725-5850		5735-5840	1
5150-5250	30	5165-5235	1
5725-5850		5740-5835	1
5150-5250	40	5170-5230	1
5725-5850		5745-5830	1

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	QPSK5	5	2TX
5.15-5.25GHz	QPSK10	10	2TX
5.15-5.25GHz	QPSK15	15	2TX
5.15-5.25GHz	QPSK20	20	2TX
5.15-5.25GHz	QPSK30	30	2TX
5.15-5.25GHz	QPSK40	40	2TX
5.725-5.85GHz	QPSK5	5	2TX
5.725-5.85GHz	QPSK10	10	2TX
5.725-5.85GHz	QPSK15	15	2TX
5.725-5.85GHz	QPSK20	20	2TX
5.725-5.85GHz	QPSK30	30	2TX
5.725-5.85GHz	QPSK40	40	2TX

Note:

- ◆ The 5GHz function uses QPSK modulation.
- ◆ BWch is the nominal channel bandwidth.



1.1.2 Table for Frequency Combination Mode

Type	Mode	Frequency (MHz)
1	UNII 1 (20+20 MHz) + UNII 3 (20+20 MHz)	UNII 1 (5180+5220) + UNII 3 (5755+5795)
2	UNII 1 (30+30 MHz) + UNII 3 (30+30 MHz)	UNII 1 (5180+5220) + UNII 3 (5755+5795)
3	UNII 1 (40+40 MHz) + UNII 3 (40+40 MHz)	UNII 1 (5175+5225) + UNII 3 (5750+5800)

Note: The above information was declared by manufacturer.

1.1.3 Antenna Information

Ant.	Port			Brand	Model Name	Antenna Type	Connector	Gain (dBi)
	R1	R2	R1+R2					
1	-	1	3	Cambium	Canopy V 4X4 Array Antenna	Array	RP-SMA	15.922
2	-	2	4	Cambium	Canopy V 4X4 Array Antenna	Array	RP-SMA	15.958
3	2	-	2	Cambium	Canopy V 4X4 Array Antenna	Array	RP-SMA	15.962
4	1	-	1	Cambium	Canopy V 4X4 Array Antenna	Array	RP-SMA	15.906

Note 1: The above information was declared by manufacturer.

Note 2: Directional gain information

Type	Maximum Output Power	Power Spectral Density
Non-BF	Directional gain = Max.gain + array gain. For power measurements on IEEE 802.11 devices Array Gain = 0 dB (i.e., no array gain) for N ANT ≤ 4	$Directional\ iGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$
BF	$Directional\ iGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$	$Directional\ iGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$

Ex.

Directional Gain (NSS1) formula :

$$Directional\ iGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

$$N_{SS1}(g1,1) = 10^{G1/20} ; N_{SS1}(g1,2) = 10^{G2/20} ; N_{SS1}(g1,3) = 10^{G3/20} ; N_{SS1}(g1,4) = 10^{G4/20}$$

$$g_{j,k} = (N_{SS1}(g1,1) + N_{SS1}(g1,2) + N_{SS1}(g1,3) + N_{SS1}(g1,4))^2$$

$$DG = 10 \log \left[\frac{(N_{SS1}(g1,1) + N_{SS1}(g1,2) + N_{SS1}(g1,3) + N_{SS1}(g1,4))^2}{N_{ANT}/N_{SS}} \right] \Rightarrow 10$$

$$\log \left[\frac{(10^{G1/20} + 10^{G2/20} + 10^{G3/20} + 10^{G4/20})^2}{N_{ANT}} \right]$$

Where ;

Cross-Polarized Antenna

5G UNII-1 G1 = 15.962 dBi; G2 = 15.906 dBi;

5G UNII-3 G1 = 15.922 dBi; G2 = 15.958 dBi;

5G UNII-1 DG = 15.962 dBi

5G UNII-3 DG = 15.958 dBi



Note 3: For 5GHz function:

For Radio 1 (R1) (2TX/2RX):

Port 1~2 can be used as transmitting/receiving antenna.

Port 1~2 could transmit/receive simultaneously.

For Radio 2 (R2) (2TX/2RX):

Port 1~2 can be used as transmitting/receiving antenna.

Port 1~2 could transmit/receive simultaneously.

For Radio 1 + Radio 2 (R1+R2) (2TX/2RX):

Port 1~4 can be used as transmitting/receiving antenna.

Port 1~4 could transmit/receive simultaneously.

1.1.4 Mode Test Duty Cycle

For other modes:

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
5.15-5.25GHz_QPSK5_5MHz_Nss1_2TX	0.975	0.11	2.437m	1k
5.15-5.25GHz_QPSK10_10MHz_Nss1_2TX	0.974	0.11	2.436m	1k
5.15-5.25GHz_QPSK15_15MHz_Nss1_2TX	0.974	0.11	2.436m	1k
5.15-5.25GHz_QPSK20_20MHz_Nss1_2TX	0.975	0.11	2.436m	1k
5.15-5.25GHz_QPSK30_30MHz_Nss1_2TX	0.974	0.11	2.435m	1k
5.15-5.25GHz_QPSK40_40MHz_Nss1_2TX	0.974	0.11	2.436m	1k
5.725-5.85GHz_QPSK5_5MHz_Nss1_2TX	0.975	0.11	2.437m	1k
5.725-5.85GHz_QPSK10_10MHz_Nss1_2TX	0.974	0.11	2.436m	1k
5.725-5.85GHz_QPSK15_15MHz_Nss1_2TX	0.974	0.11	2.436m	1k
5.725-5.85GHz_QPSK20_20MHz_Nss1_2TX	0.975	0.11	2.436m	1k
5.725-5.85GHz_QPSK30_30MHz_Nss1_2TX	0.974	0.11	2.435m	1k
5.725-5.85GHz_QPSK40_40MHz_Nss1_2TX	0.974	0.11	2.436m	1k

For frequency combination modes:

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
QPSK20+20	0.826	0.83	2.065m	1k
QPSK30+30	0.816	0.88	2.041m	1k
QPSK40+40	0.811	0.91	2.029m	1k

Note:

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



1.1.5 EUT Operational Condition

EUT Power Type	From PoE			
Beamforming Function	<input type="checkbox"/>	With beamforming	<input checked="" type="checkbox"/>	Without beamforming
Function	<input checked="" type="checkbox"/>	Outdoor P2M	<input type="checkbox"/>	Indoor P2M
	<input type="checkbox"/>	Fixed P2P	<input type="checkbox"/>	Client
	<input checked="" type="checkbox"/>	Point-to-multipoint	<input type="checkbox"/>	Point-to-point
Test Software Version	DOS [ver 6.1.7601]			

Note: The above information was declared by manufacturer.

1.1.6 Table for Radio Function

Radio (R)	Function
R1	Support UNII 1 only
R2	Support UNII 3 only

Note: 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 662911 D01 v02r01
- ◆ FCC KDB 412172 D01 v01r01
- ◆ FCC KDB 414788 D01 v01r01

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 (For other frequencies)	TH03-CB	Ken Yeh	23.4~24.5 / 52~61	Sep. 05, 2023~ Oct. 04, 2023
RF Conducted (For 5735, 5840, 5745, 5830 MHz)	TH03-CB	Ken Yeh	23.4~24.5 / 52~61	Nov. 13, 2023
Radiated < 1GHz	10CH01-CB	Elvin Yeh	22~23 / 56~57	Oct. 17, 2023
Radiated > 1GHz (For other frequencies)	03CH02-CB	Black Lu	21.7~22.9 / 58~62	Sep. 06, 2023~ Sep. 22, 2023~
	03CH03-CB		22.6~23.2 / 59~63	
Radiated > 1GHz (For 5735, 5840, 5745, 5830 MHz)	03CH05-CB	Black Lu	22.8~23 / 58~61	Nov. 10, 2023
AC Conduction	CO02-CB	Gray Lee	22~23 / 55~56	Oct. 18, 2023



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))

Parameter	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.1 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.1 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	3.1 dB	Confidence levels of 95%
Output Power Measurement	0.8 dB	Confidence levels of 95%
Power Density Measurement	3.1 dB	Confidence levels of 95%
Bandwidth Measurement	2.2%	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

For other modes:

Mode	Power Setting
QPSK5_5MHz_Nss1_2TX	-
5156MHz	-19.5(12/7500)
5200MHz	-21.5 (12/9500)
5244MHz	-17.5 (12/5500)
5731MHz	-18.5 (18/500)
5787MHz	-18 (18/0)
5844MHz	-17 (12/5000)
QPSK10_10MHz_Nss1_2TX	-
5155MHz	-33 (18/15000)
5200MHz	-18 (12/6000)
5245MHz	-14 (12/2000)
5730MHz	-18 (18/0)
5787MHz	-17.5 (12/5500)
5845MHz	-16.5 (12/4500)
QPSK15_15MHz_Nss1_2TX	-
5158MHz	-29 (12/17000)
5200MHz	-14.5 (12/2500)
5242MHz	-11.5 (6/5500)
5733MHz	-16 (12/6000)
5787MHz	-15 (12/3000)
5842MHz	-14 (12/2000)
QPSK20_20MHz_Nss1_2TX	-
5160MHz	-34.5 (18/16500)
5200MHz	-16.5 (6/10500)
5240MHz	-13 (6/7000)
5735MHz	-18(12/6000)
5785MHz	-17.5 (12/5500)
5840MHz	-16(12/4000)
QPSK30_30MHz_Nss1_2TX	-
5165MHz	-14 (12/2000)
5200MHz	-14 (12/2000)
5235MHz	-10 (6/4000)
5740MHz	-15.5 (12/3500)
5787MHz	-14.5 (12/2500)
5835MHz	-13.5 (12/1500)



Mode	Power Setting
QPSK40_40MHz_Nss1_2TX	-
5170MHz	-31.5 (12/19500)
5200MHz	-15 (12/3000)
5230MHz	-14 (6/8000)
5745MHz	-18(12/6000)
5775MHz	-18 (12/6000)
5830MHz	-16.5(12/4500)

For frequency combination modes:

Mode	Power Setting
QPSK20+20_20MHz+20MHz_Nss1_2TX(Port1&Port2)	-
P#5180MHz,#5220MHz,5755MHz,5795MHz	-13(12/1000)
QPSK20+20_20MHz+20MHz_Nss1_2TX(Port3&Port4)	-
P5180MHz,5220MHz,#5755MHz,#5795MHz	-13(12/1000)
QPSK30+30_30MHz+30MHz_Nss1_2TX(Port1&Port2)	-
P#5180MHz,#5220MHz,5755MHz,5795MHz	-10.5(6/4500)
QPSK30+30_30MHz+30MHz_Nss1_2TX(Port3&Port4)	-
P5180MHz,5220MHz,#5755MHz,#5795MHz	-10.5(6/4500)
QPSK40+40_40MHz+40MHz_Nss1_2TX(Port1&Port2)	-
P#5175MHz,#5225MHz,5750MHz,5800MHz	-12(6/6000)
QPSK40+40_40MHz+40MHz_Nss1_2TX(Port3&Port4)	-
P5175MHz,5225MHz,#5750MHz,#5800MHz	-12(6/6000)



2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	CTX
	After evaluating, EUT in Y axis was the worst case, so the measurement will follow this same test configuration.
1	EUT in Y axis + PoE

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	CTX
	After evaluating, EUT in Y axis was the worst case, so the measurement will follow this same test configuration.
1	EUT in Y axis + PoE
Operating Mode > 1GHz	CTX
	After evaluating, EUT in Y axis was the worst case, so the measurement will follow this same test configuration.
1	EUT in Y axis

Note: The PoE was for measurement only and would not be marketed. Its information is shown as below:

Equipment	Brand Name	Model Name
PoE	Cambium	NET-P60-56IN

2.3 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.



2.4 Accessories

Wall bracket*1

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	PoE	Cambium	NET-P60-56IN	N/A
B	LAN NB	DELL	E6430	N/A

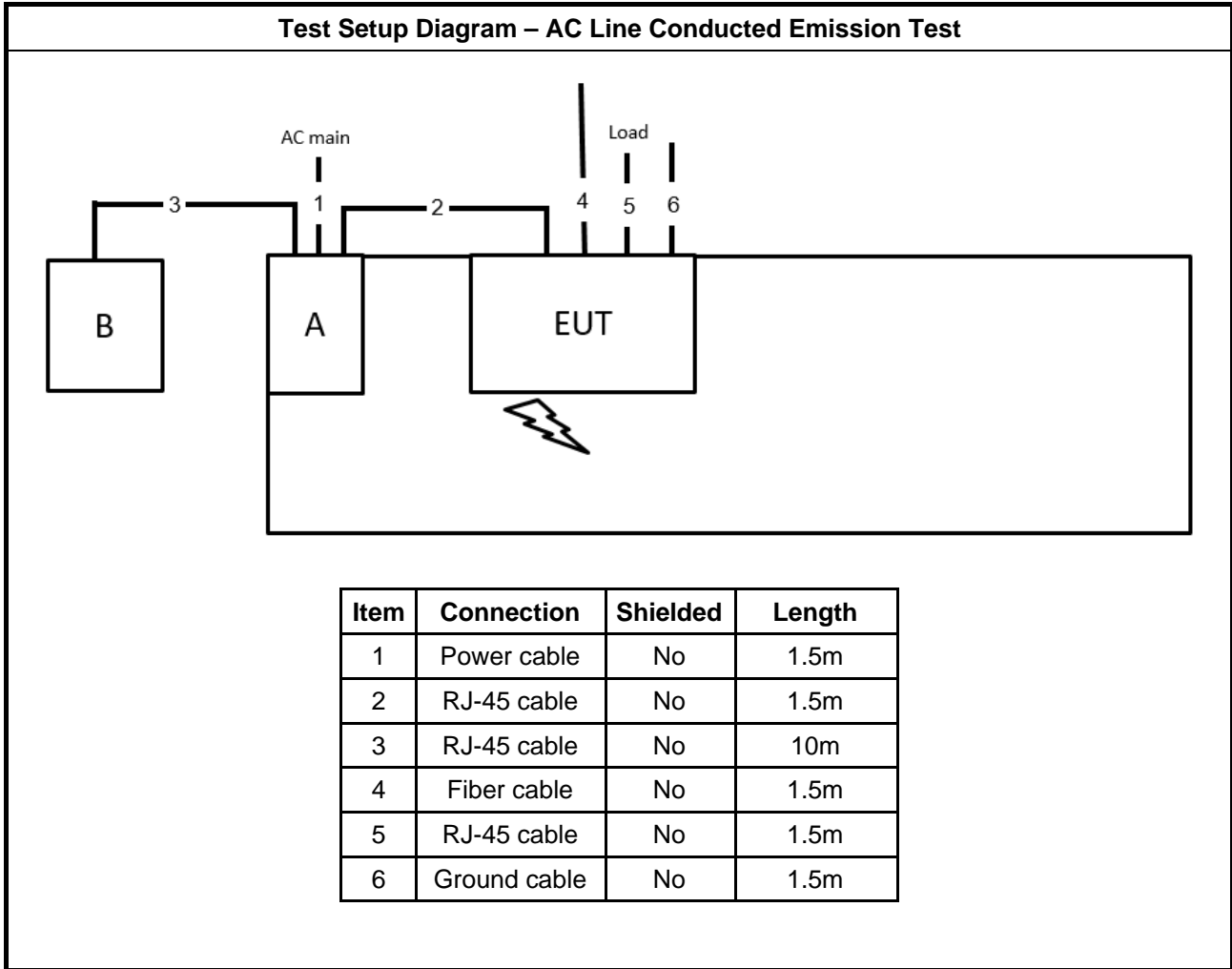
For Radiated (below 1GHz):

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	PoE	Cambium	NET-P60-56IN	N/A
B	LAN NB	DELL	E6430	N/A

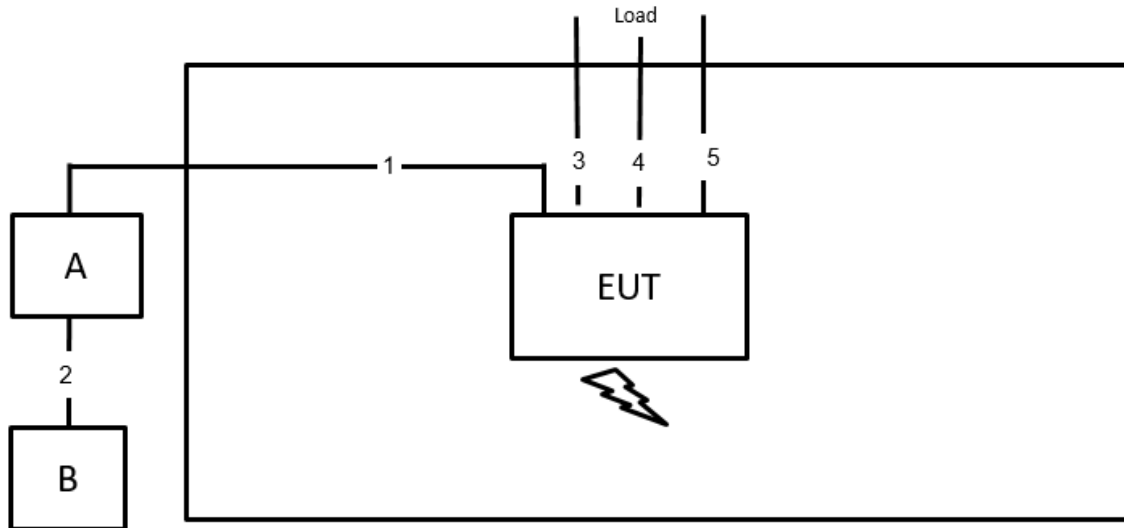
For Radiated (above 1GHz) and RF Conducted:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	PoE	Cambium	NET-P60-56IN	N/A

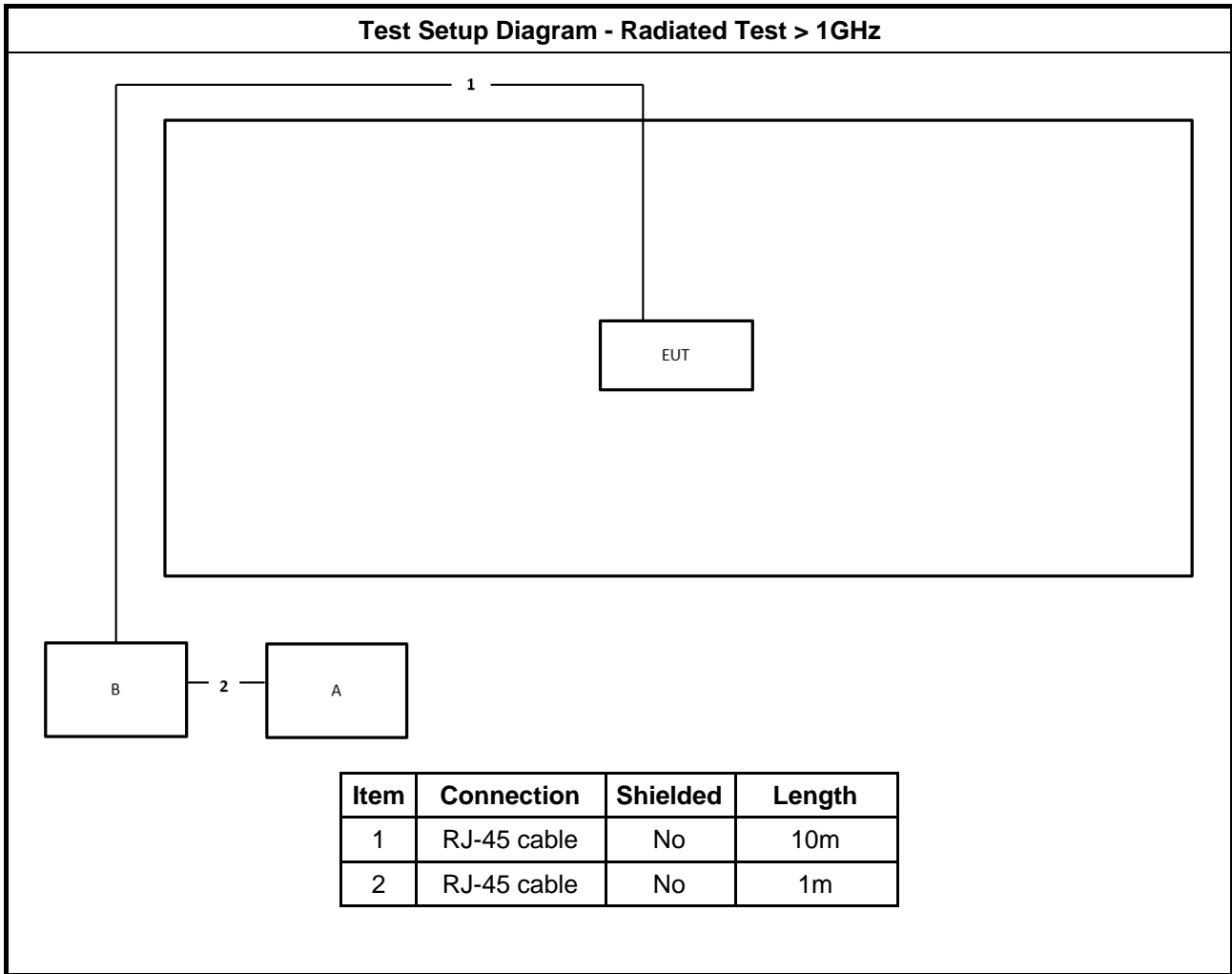
2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test < 1GHz



Item	Connection	Shielded	Length
1	RJ-45 cable	Yes	10m
2	RJ-45 cable	No	1.5m
3	Fiber cable	No	1m
4	RJ-45 cable	No	1.5m
5	GND cable	No	1.5m





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.

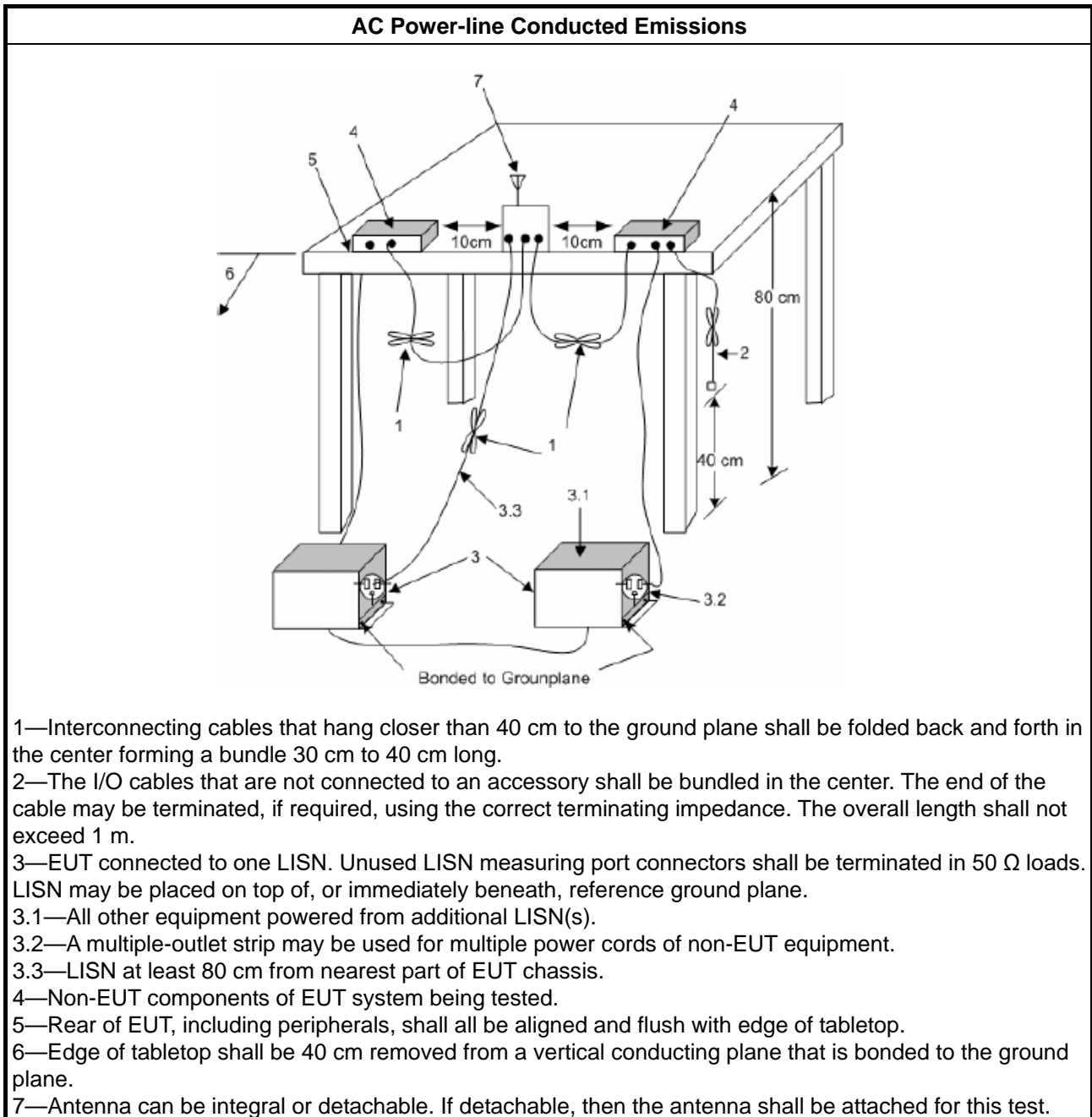
3.1.2 Measuring Instruments

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

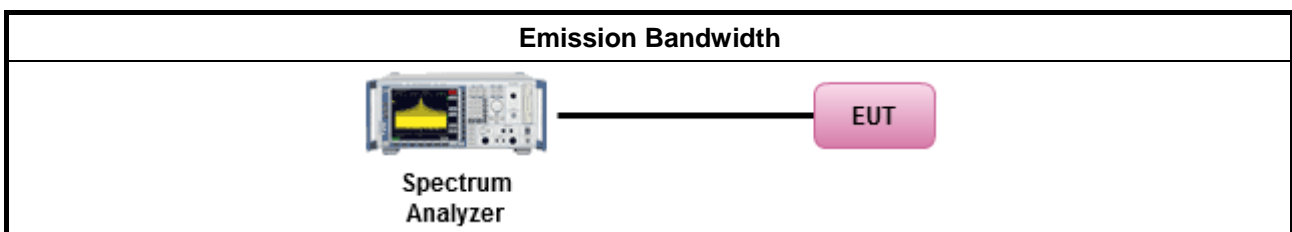
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method							
<ul style="list-style-type: none"> ▪ For the emission bandwidth shall be measured using one of the options below: <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> 		<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

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



3.3.2 Measuring Instruments

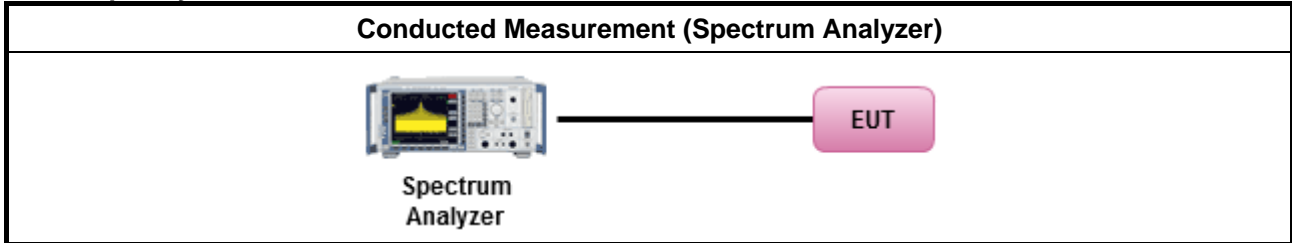
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

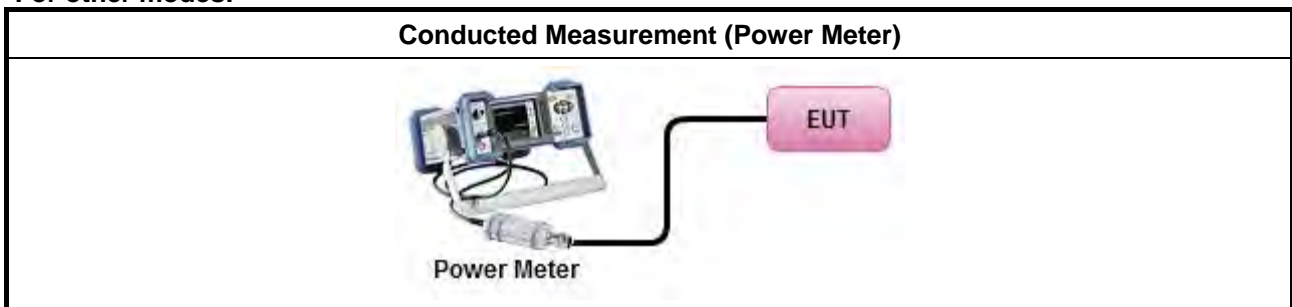
Test Method	
	Average over on/off periods with duty factor
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband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

3.3.4 Test Setup

For frequency combination modes:



For other modes:



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

3.4.2 Measuring Instruments

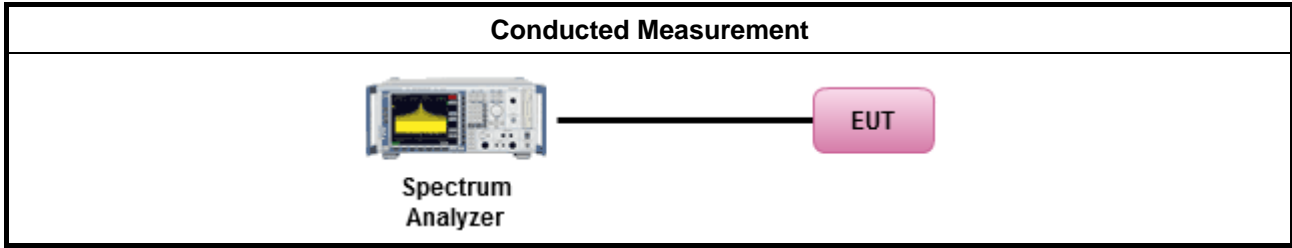
Refer a test equipment and calibration data table in this test report.



3.4.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ Peak power spectral density procedures that the same method as used to determine the conducted output power shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options: 	
<input type="checkbox"/>	Refer as FCC KDB 789033 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"> ▪ If the EUT supports multiple transmit chains using options given below: 	
<input checked="" type="checkbox"/>	Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
<input type="checkbox"/>	Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,
<input type="checkbox"/>	Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.
<ul style="list-style-type: none"> ▪ If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$ 	
<input type="checkbox"/>	For radiated measurement.
<ul style="list-style-type: none"> ▪ Refer as FCC KDB 789033 D02 clause II A.1.F "Antenna-port Conducted versus Radiated Testing" ▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz. ▪ Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation. 	

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.



Un-restricted band emissions above 1GHz Limit	
Operating Band	Limit
<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.

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

3.5.2 Measuring Instruments

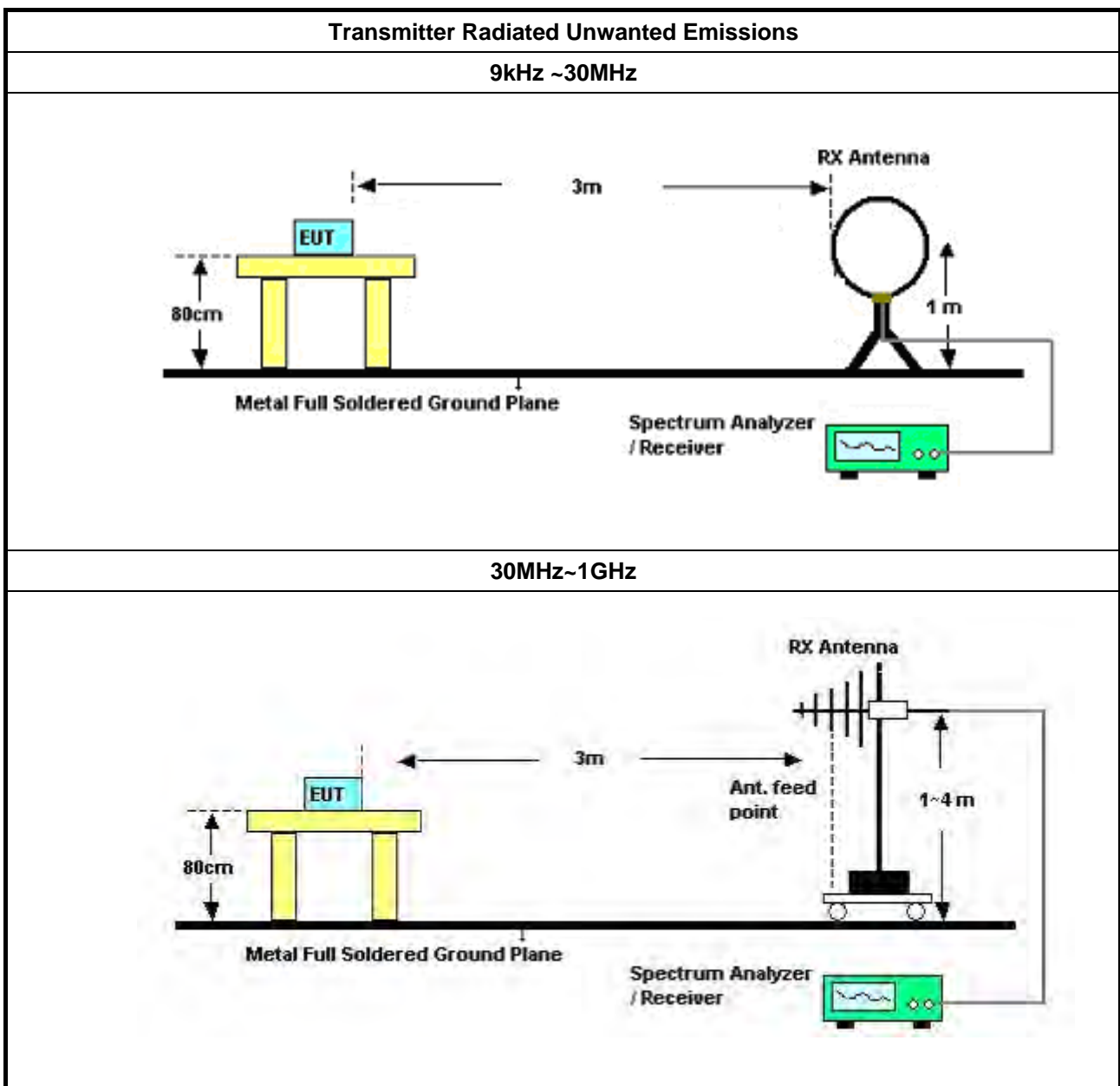
Refer a test equipment and calibration data table in this test report.

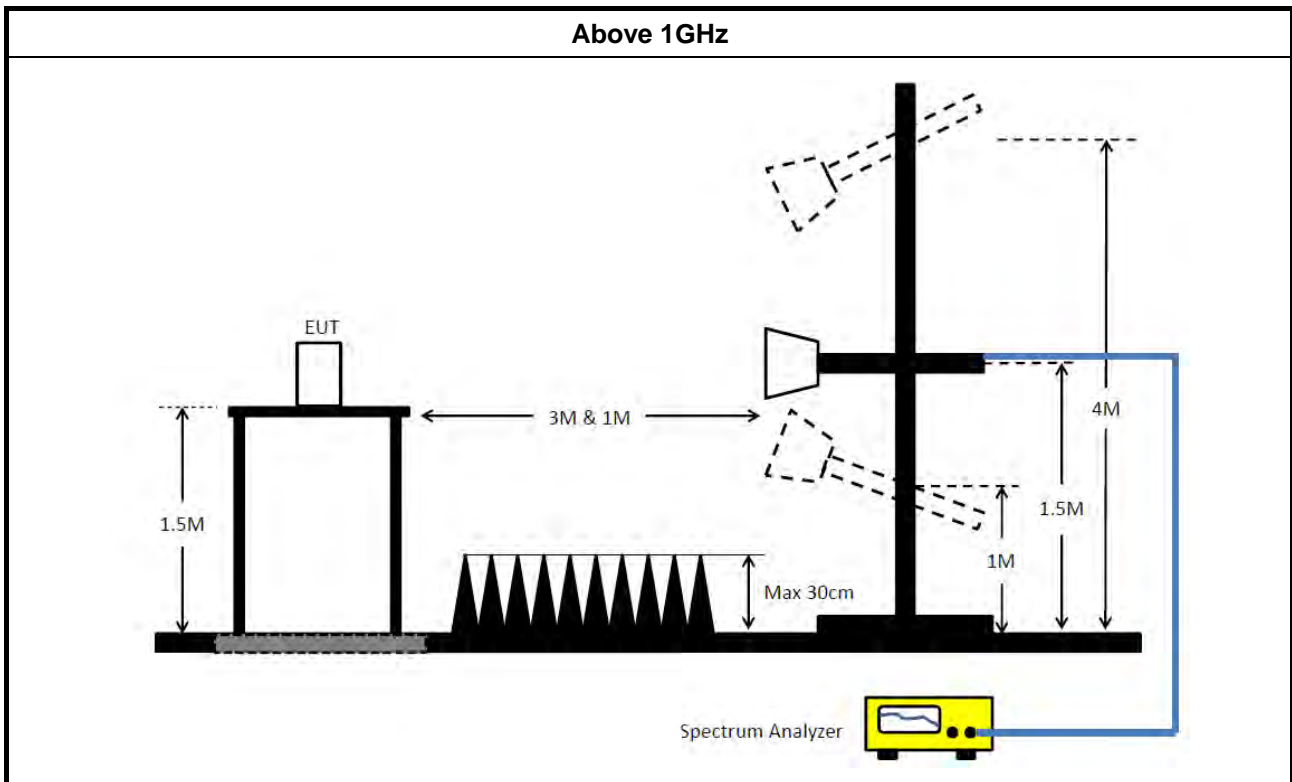
3.5.3 Test Procedures

Test Method													
<ul style="list-style-type: none"> Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements). 													
<ul style="list-style-type: none"> The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor]. 													
<ul style="list-style-type: none"> For the transmitter unwanted emissions shall be measured using following options below: <ul style="list-style-type: none"> Refer as FCC KDB 789033 D02, clause G)2) for unwanted emissions into non-restricted bands. Refer as FCC KDB 789033 D02, clause G)1) for unwanted emissions into restricted bands. <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20px;"><input type="checkbox"/></td> <td>Refer as FCC KDB 789033 D02, G)6) Method AD (Trace Averaging).</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>Refer as FCC KDB 789033 D02, G)6) Method VB (Reduced VBW).</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>Refer as FCC KDB 789033 D02, clause G)5) measurement procedure peak limit.</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.</td> </tr> </table> 		<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.
<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.												

Test Method	
<ul style="list-style-type: none"> ▪ For radiated measurement. 	
	<ul style="list-style-type: none"> ▪ Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m. ▪ Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m. ▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
<ul style="list-style-type: none"> ▪ The any unwanted emissions level shall not exceed the fundamental emission level. 	
<ul style="list-style-type: none"> ▪ All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported. 	

3.5.4 Test Setup





3.5.5 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
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Apr. 06, 2023	Apr. 05, 2024	Conduction (CO02-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Dec. 20, 2022	Dec. 19, 2023	Conduction (CO02-CB)
EMI Receiver	Agilent	N9038A	MY52260140	9kHz ~ 8.4GHz	May 18, 2023	May 17, 2024	Conduction (CO02-CB)
COND Cable	Woken	Cable	2	0.15MHz ~ 30MHz	Oct. 17, 2023	Oct. 16, 2024	Conduction (CO02-CB)
Pulse Limiter	Schwarzbeck	VTSD 9561F-N	00378	9kHz ~ 30MHz	Oct. 17, 2023	Oct. 16, 2024	Conduction (CO02-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO02-CB)
10m Semi Anechoic Chamber NSA	TDK	SAC-10M	10CH01-CB	30MHz~1GHz 10m,3m	Jan. 18, 2023	Jan. 17, 2024	Radiation (10CH01-CB)
Amplifier	Agilent	8447D	2944A10783	9kHz ~ 1.3GHz	Mar. 10, 2023	Mar. 09, 2024	Radiation (10CH01-CB)
Amplifier	Agilent	8447D	2944A10784	9kHz ~ 1.3GHz	Mar. 10, 2023	Mar. 09, 2024	Radiation (10CH01-CB)
Low Cable	Woken	SUCOFLEX 104	low cable-01	25MHz ~ 1GHz	Oct. 18, 2022	Oct. 17, 2023	Radiation (10CH01-CB)
Low Cable	Woken	SUCOFLEX 104	low cable-02	25MHz ~ 1GHz	Oct. 18, 2022	Oct. 17, 2023	Radiation (10CH01-CB)
EMI Test Receiver	Rohde&Schwarz	ESCI	100186	9kHz ~ 3GHz	Jul. 11, 2023	Jul. 10, 2024	Radiation (10CH01-CB)
Spectrum Analyzer	Rohde&Schwarz	FSV30	101026	9kHz ~ 30GHz	Apr. 19, 2023	Apr. 18, 2024	Radiation (10CH01-CB)
Bilog Antenna with 6dB Attenuator	Chase & EMCI	CBL6111A &N-6-06	1543 &AT-N0609	30MHz ~ 1GHz	Jun. 24, 2023	Jun. 23, 2024	Radiation (10CH01-CB)
Amplifier	EM	EM101	060703	10MHz ~ 1GHz	Oct. 19, 2022	Oct. 18, 2023	Radiation (10CH01-CB)
Low Cable	TITAN	T318E	low cable-03	30MHz ~ 1GHz	Oct. 18, 2022	Oct. 17, 2023	Radiation (10CH01-CB)
Loop Antenna	Teseq	HLA 6120	31244	9kHz - 30 MHz	Mar. 23, 2023	Mar. 22, 2024	Radiation (10CH01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (10CH01-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 25, 2023	Mar. 24, 2024	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 18, 2023	Apr. 17, 2024	Radiation (03CH02-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 28, 2023	Jun. 27, 2024	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH02-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 2023	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSU	100015	9kHz~26GHz	Dec. 05, 2022	Dec. 04, 2023	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH03-CB	1GHz ~18GHz 3m	May 04, 2023	May 03, 2024	Radiation (03CH03-CB)
Horn Antenna	ETS · Lindgren	3115	6821	750MHz~18GHz	Feb. 03, 2023	Feb. 02, 2024	Radiation (03CH03-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 28, 2023	Jun. 27, 2024	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8449B	3008A02097	1GHz ~ 26.5GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH03-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 2023	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 12, 2023	Jun. 11, 2024	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-20+29	1GHz ~ 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-29	1GHz ~ 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH03-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH05-CB	1GHz ~18GHz 3m	Sep. 29, 2023	Sep. 28, 2024	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120 D-1291	1GHz~18GHz	Jun. 08, 2023	Jun. 07, 2024	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 28, 2023	Jun. 27, 2024	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC12630SE	980287	1GHz – 26.5GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH05-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 2023	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Apr. 18, 2023	Apr. 17, 2024	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-28	1GHz~18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-04+28	1GHz~18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH05-CB)
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Dec. 30, 2022	Dec. 29, 2023	Conducted (TH03-CB)
Power Sensor	Anritsu	MA2411B	1531344	300MHz~ 40GHz	Aug. 01, 2023	Jul. 31, 2024	Conducted (TH03-CB)
Power Meter	Anritsu	ML2495A	1728002	300MHz~ 40GHz	Aug. 01, 2023	Jul. 31, 2024	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-11	30MHz –18 GHz	Feb. 14, 2023	Feb. 13, 2024	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-12	30MHz –18 GHz	Feb. 14, 2023	Feb. 13, 2024	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-13	30MHz –18 GHz	Feb. 14, 2023	Feb. 13, 2024	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-14	1 GHz –18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-15	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. 02, 2023	Oct. 01, 2024	Conducted (TH03-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Switch	SPTCB	SP-SWI	SWI-03	1 GHz – 26.5 GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (TH03-CB)
Switch	SPTCB	SP-SWI	SWI-03	1 GHz – 26.5 GHz	Oct. 03, 2023	Oct. 02, 2024	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.

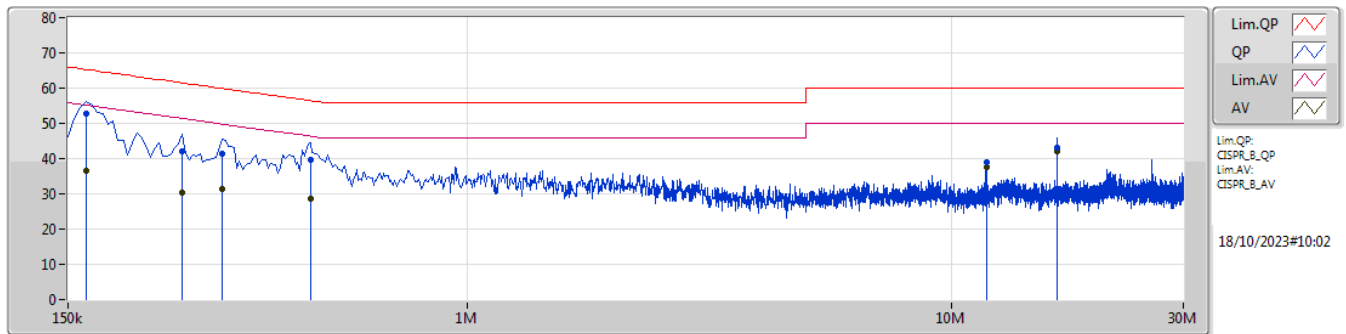
NCR means Non-Calibration required.



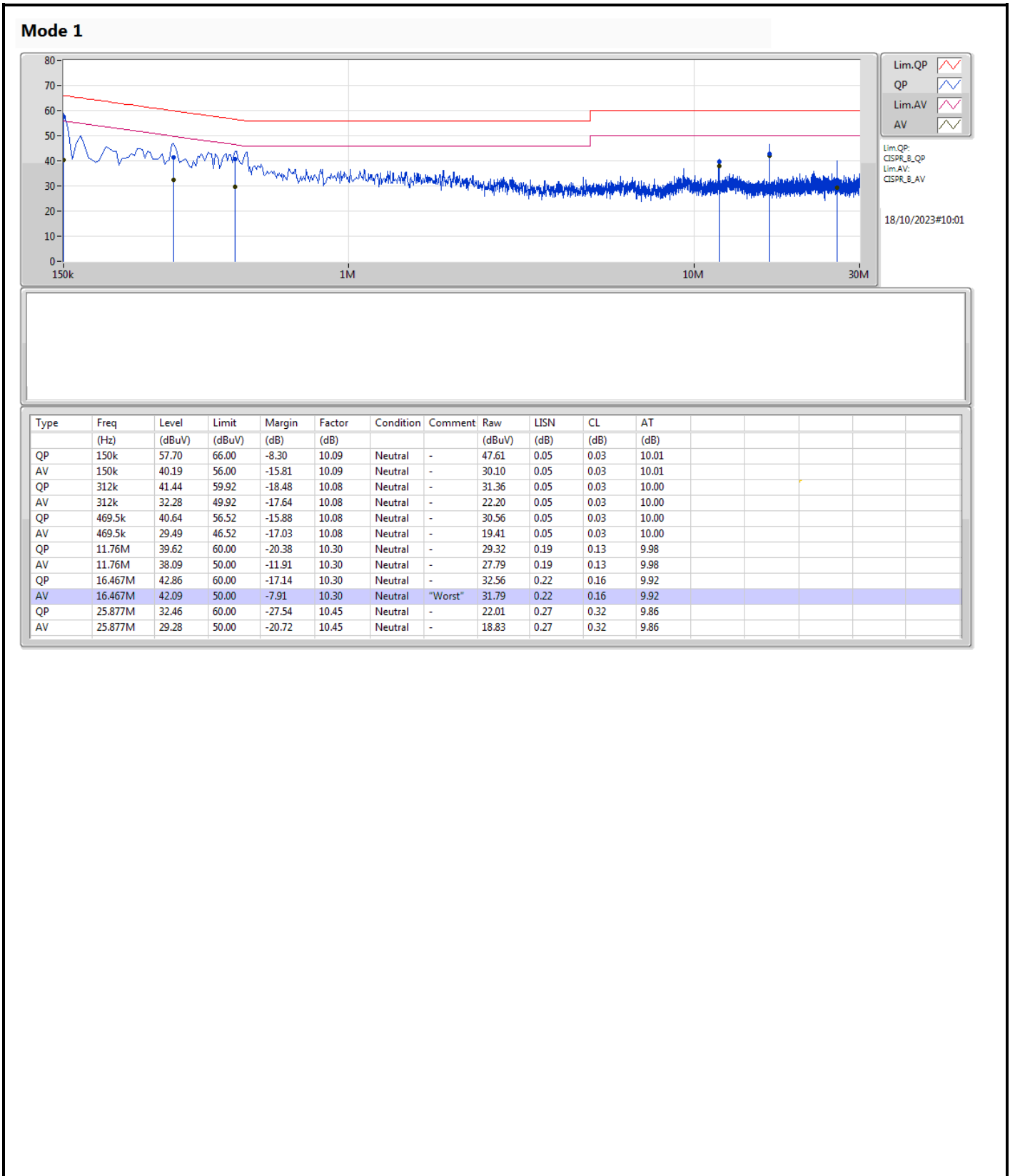
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	16.467M	42.24	50.00	-7.76	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	163.5k	52.77	65.27	-12.50	10.08	Line	-	42.69	0.04	0.03	10.01
AV	163.5k	36.38	55.27	-18.89	10.08	Line	-	26.30	0.04	0.03	10.01
QP	258k	42.21	61.49	-19.28	10.06	Line	-	32.15	0.04	0.03	9.99
AV	258k	30.43	51.49	-21.06	10.06	Line	-	20.37	0.04	0.03	9.99
QP	312k	41.45	59.92	-18.47	10.07	Line	-	31.38	0.04	0.03	10.00
AV	312k	31.40	49.92	-18.52	10.07	Line	-	21.33	0.04	0.03	10.00
QP	474k	39.82	56.44	-16.62	10.07	Line	-	29.75	0.04	0.03	10.00
AV	474k	28.67	46.44	-17.77	10.07	Line	-	18.60	0.04	0.03	10.00
QP	11.76M	39.08	60.00	-20.92	10.34	Line	-	28.74	0.23	0.13	9.98
AV	11.76M	37.63	50.00	-12.37	10.34	Line	-	27.29	0.23	0.13	9.98
QP	16.467M	43.06	60.00	-16.94	10.37	Line	-	32.69	0.29	0.16	9.92
AV	16.467M	42.24	50.00	-7.76	10.37	Line	"Worst"	31.87	0.29	0.16	9.92



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
QPSK5_5MHz_Nss1_2TX	5.005M	4.604M	4M60G7D	4.799M	4.579M
QPSK10_10MHz_Nss1_2TX	10.01M	9.226M	9M23G7D	9.708M	9.176M
QPSK15_15MHz_Nss1_2TX	14.108M	13.242M	13M2G7D	14.066M	13.043M
QPSK20_20MHz_Nss1_2TX	19.965M	18.491M	18M5G7D	19.69M	18.387M
QPSK30_30MHz_Nss1_2TX	27.555M	24.325M	24M3G7D	27.225M	23.924M
QPSK40_40MHz_Nss1_2TX	38.06M	36.003M	36M0G7D	37.62M	35.332M
5.725-5.85GHz	-	-	-	-	-
QPSK5_5MHz_Nss1_2TX	4.648M	4.613M	4M61G7D	4.166M	4.585M
QPSK10_10MHz_Nss1_2TX	9.295M	9.234M	9M23G7D	9.268M	9.188M
QPSK15_15MHz_Nss1_2TX	12.829M	13.143M	13M1G7D	12.293M	13.07M
QPSK20_20MHz_Nss1_2TX	18.535M	18.442M	18M4G7D	18.535M	18.379M
QPSK30_30MHz_Nss1_2TX	23.265M	24.269M	24M3G7D	22.523M	23.741M
QPSK40_40MHz_Nss1_2TX	35.53M	35.894M	35M9G7D	33.99M	35.721M

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)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
QPSK5_5MHz_Nss1_2TX	-	-	-	-	-	-
5156MHz	Pass	Inf	4.799M	4.598M	5.005M	4.591M
5200MHz	Pass	Inf	4.923M	4.604M	4.991M	4.579M
5244MHz	Pass	Inf	4.868M	4.598M	4.991M	4.591M
5731MHz	Pass	500k	4.648M	4.596M	4.428M	4.601M
5787MHz	Pass	500k	4.62M	4.585M	4.249M	4.613M
5844MHz	Pass	500k	4.166M	4.603M	4.373M	4.6M
QPSK10_10MHz_Nss1_2TX	-	-	-	-	-	-
5155MHz	Pass	Inf	9.928M	9.176M	9.735M	9.226M
5200MHz	Pass	Inf	9.708M	9.208M	9.845M	9.183M
5245MHz	Pass	Inf	9.763M	9.208M	10.01M	9.22M
5730MHz	Pass	500k	9.268M	9.207M	9.268M	9.219M
5787MHz	Pass	500k	9.295M	9.234M	9.295M	9.215M
5845MHz	Pass	500k	9.268M	9.188M	9.268M	9.227M
QPSK15_15MHz_Nss1_2TX	-	-	-	-	-	-
5158MHz	Pass	Inf	14.066M	13.153M	14.066M	13.242M
5200MHz	Pass	Inf	14.066M	13.043M	14.066M	13.043M
5242MHz	Pass	Inf	14.108M	13.043M	14.108M	13.156M
5733MHz	Pass	500k	12.829M	13.143M	12.705M	13.127M
5787MHz	Pass	500k	12.375M	13.107M	12.293M	13.07M
5842MHz	Pass	500k	12.375M	13.082M	12.623M	13.131M
QPSK20_20MHz_Nss1_2TX	-	-	-	-	-	-
5160MHz	Pass	Inf	19.91M	18.421M	19.965M	18.387M
5200MHz	Pass	Inf	19.91M	18.441M	19.69M	18.441M
5240MHz	Pass	Inf	19.8M	18.491M	19.91M	18.441M
5735MHz	Pass	500k	18.535M	18.379M	18.535M	18.43M
5785MHz	Pass	500k	18.535M	18.423M	18.535M	18.431M
5840MHz	Pass	500k	18.535M	18.417M	18.535M	18.442M
QPSK30_30MHz_Nss1_2TX	-	-	-	-	-	-
5165MHz	Pass	Inf	27.473M	23.924M	27.555M	24.029M
5200MHz	Pass	Inf	27.473M	24.325M	27.39M	24.325M
5235MHz	Pass	Inf	27.39M	24.325M	27.225M	24.288M
5740MHz	Pass	500k	23.265M	24.214M	22.605M	23.956M
5787MHz	Pass	500k	23.183M	24.03M	22.523M	23.741M
5835MHz	Pass	500k	23.265M	24.002M	23.265M	24.269M
QPSK40_40MHz_Nss1_2TX	-	-	-	-	-	-
5170MHz	Pass	Inf	37.84M	35.995M	37.95M	36.003M
5200MHz	Pass	Inf	38.06M	35.482M	37.73M	35.332M
5230MHz	Pass	Inf	37.84M	35.732M	37.62M	35.582M
5745MHz	Pass	500k	34.21M	35.868M	34.32M	35.809M
5775MHz	Pass	500k	33.99M	35.894M	35.42M	35.838M
5830MHz	Pass	500k	35.31M	35.721M	35.53M	35.768M

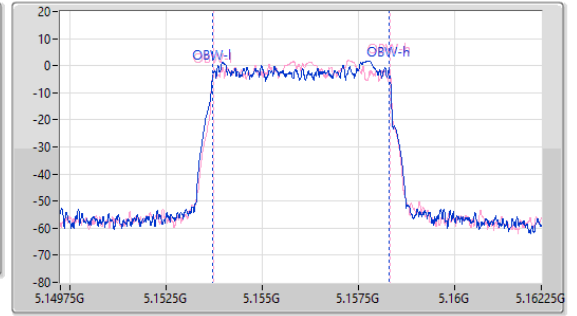
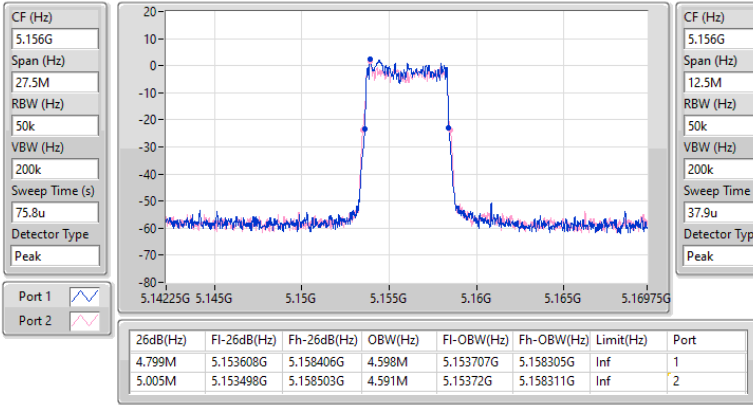
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
 Port X-OBW = Port X 99% occupied bandwidth

5.15-5.25GHz_QPSK5_5MHz_Nss1_2TX

EBW

5156MHz

02/10/2023

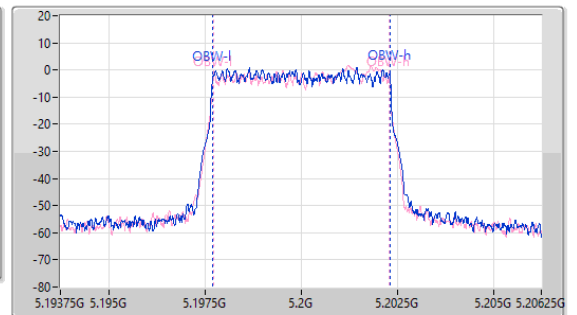
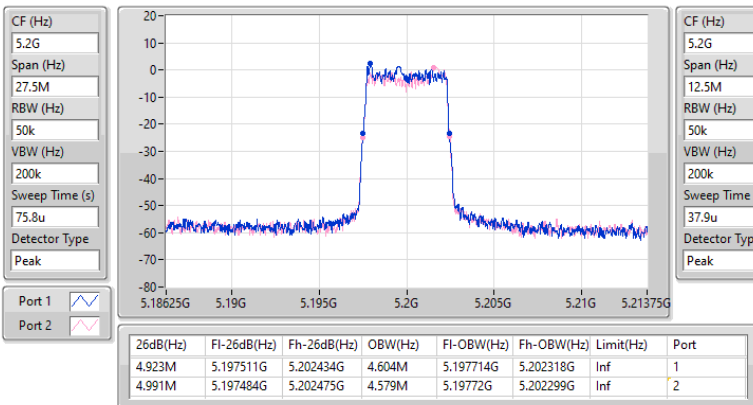


5.15-5.25GHz_QPSK5_5MHz_Nss1_2TX

EBW

5200MHz

02/10/2023



5.15-5.25GHz_QPSK5_5MHz_Nss1_2TX

EBW

5244MHz

02/10/2023

CF (Hz)
5.244G

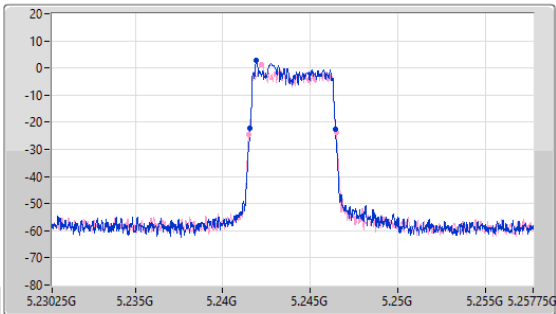
Span (Hz)
27.5M

RBW (Hz)
50k

VBW (Hz)
200k

Sweep Time (s)
75.8u

Detector Type
Peak



CF (Hz)
5.244G

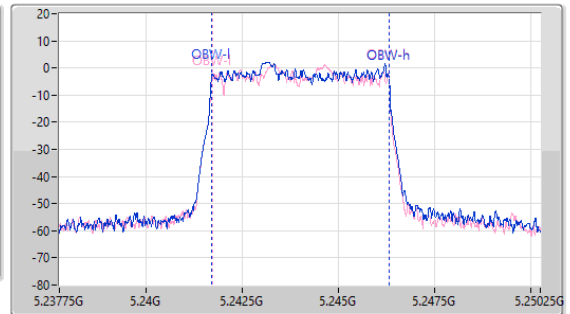
Span (Hz)
12.5M

RBW (Hz)
50k

VBW (Hz)
200k

Sweep Time (s)
37.9u

Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
4.868M	5.24158G	5.246448G	4.598M	5.241714G	5.246311G	Inf	1
4.991M	5.241498G	5.246489G	4.591M	5.24172G	5.246311G	Inf	2

5.725-5.85GHz_QPSK5_5MHz_Nss1_2TX

EBW

5731MHz

28/09/2023

CF (Hz)
5.731G

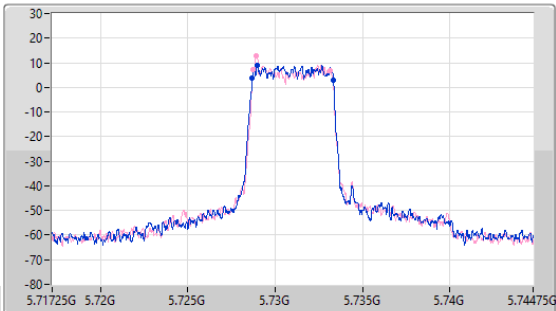
Span (Hz)
27.5M

RBW (Hz)
100k

VBW (Hz)
300k

Sweep Time (s)
20.9u

Detector Type
Peak



CF (Hz)
5.731G

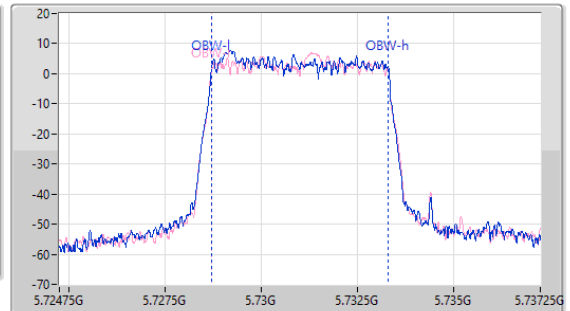
Span (Hz)
12.5M

RBW (Hz)
50k

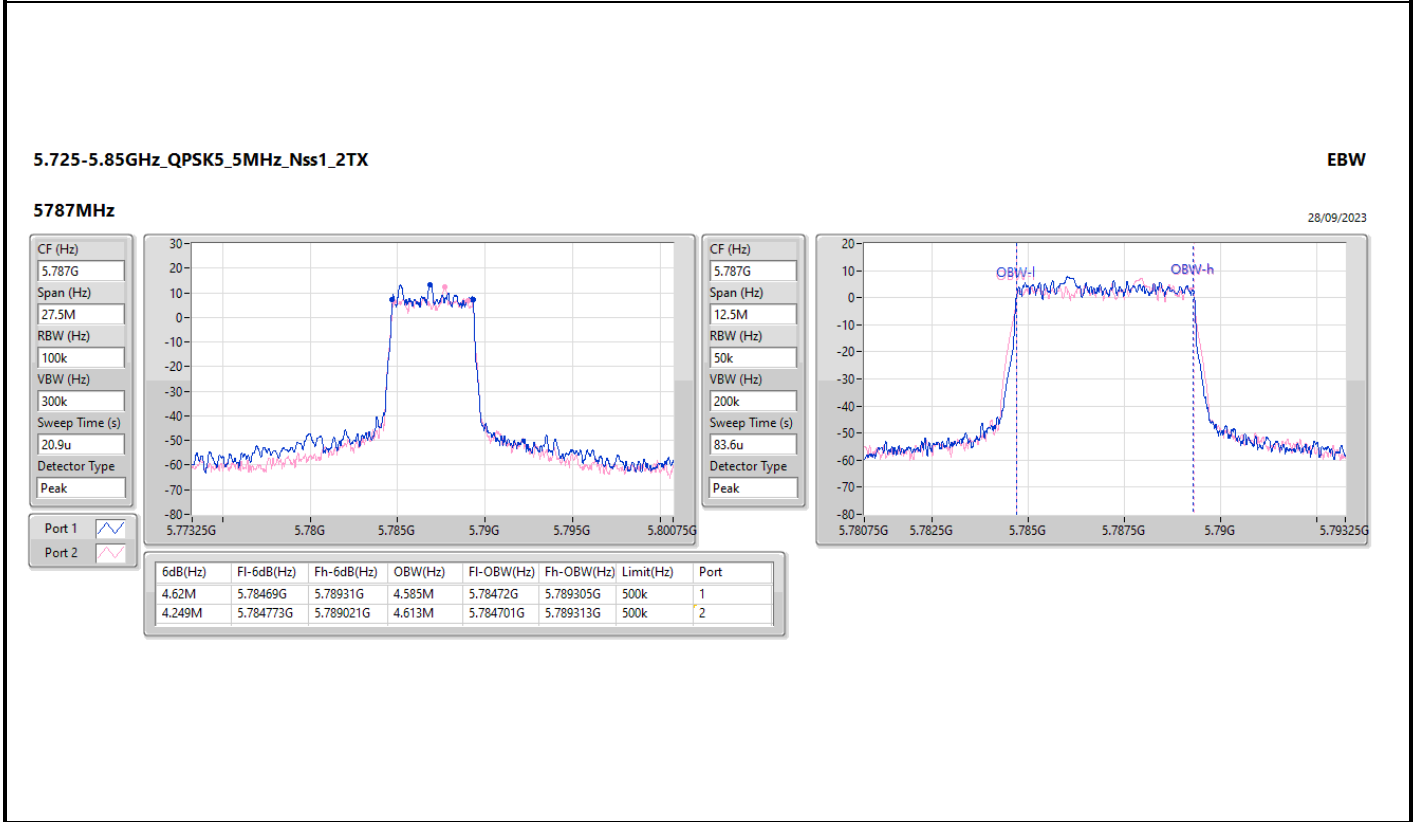
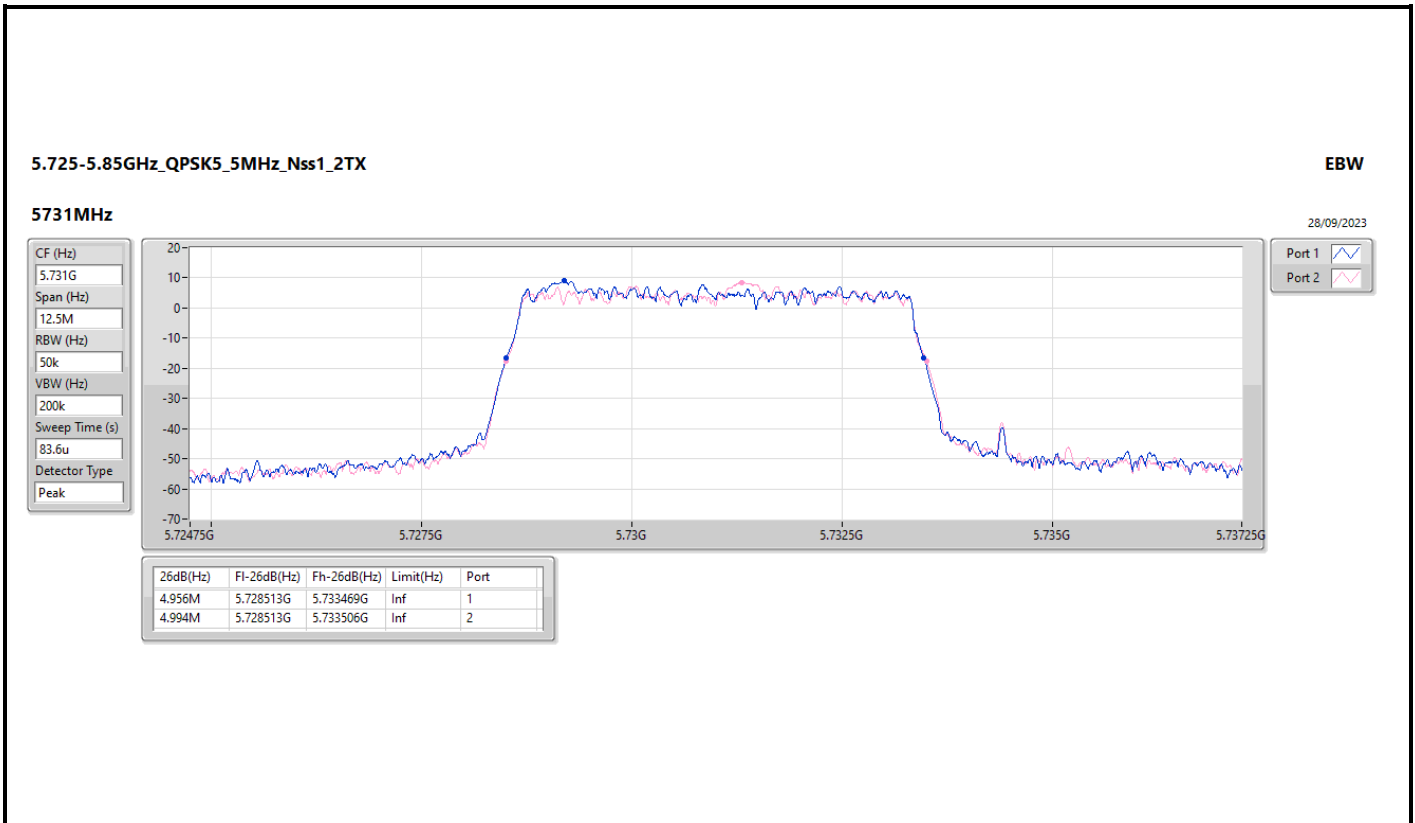
VBW (Hz)
200k

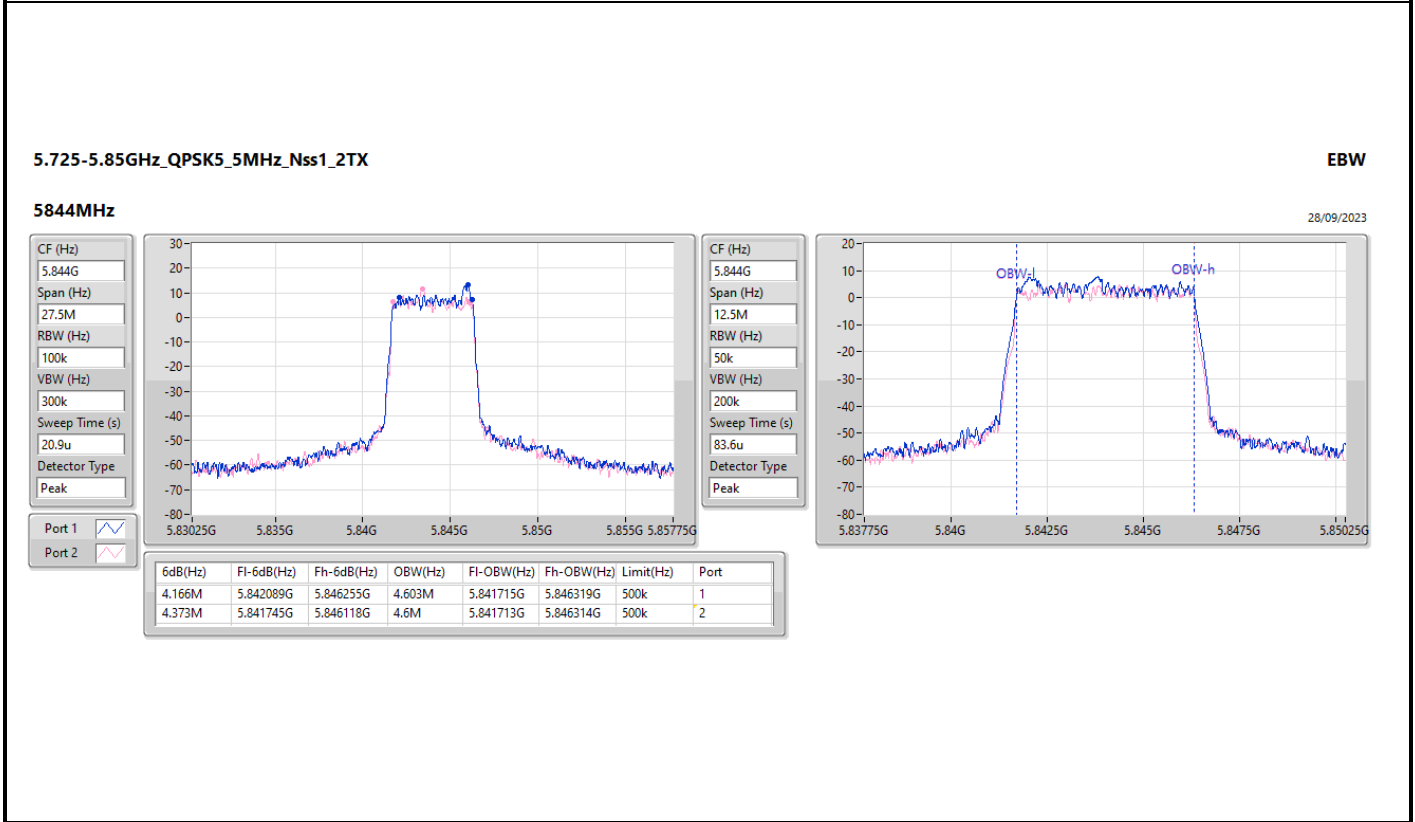
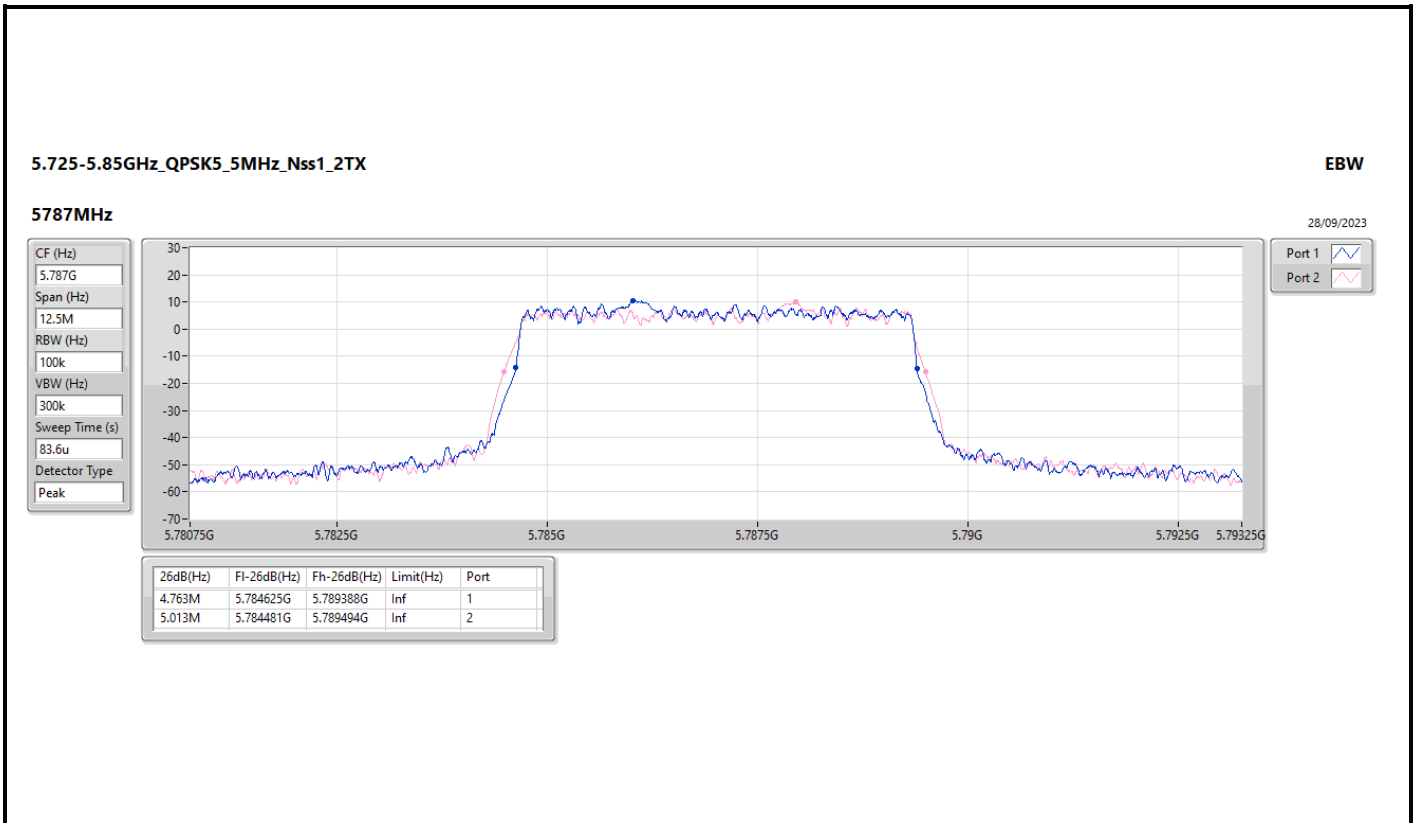
Sweep Time (s)
83.6u

Detector Type
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
4.648M	5.72869G	5.733338G	4.596M	5.728706G	5.733303G	500k	1
4.428M	5.728731G	5.733159G	4.601M	5.728704G	5.733305G	500k	2





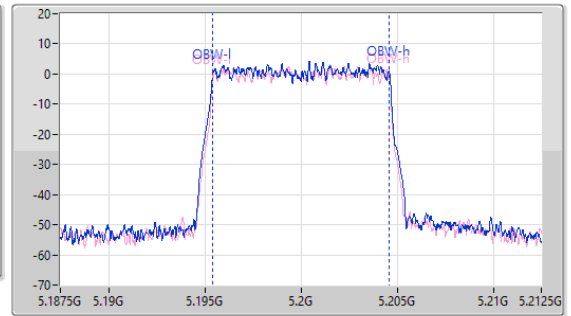
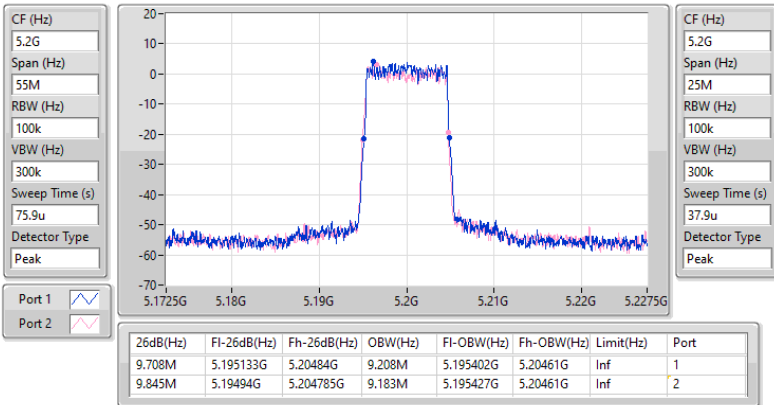


5.15-5.25GHz_QPSK10_10MHz_Nss1_2TX

EBW

5200MHz

02/10/2023

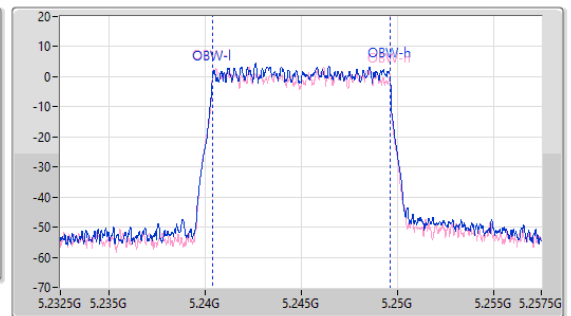
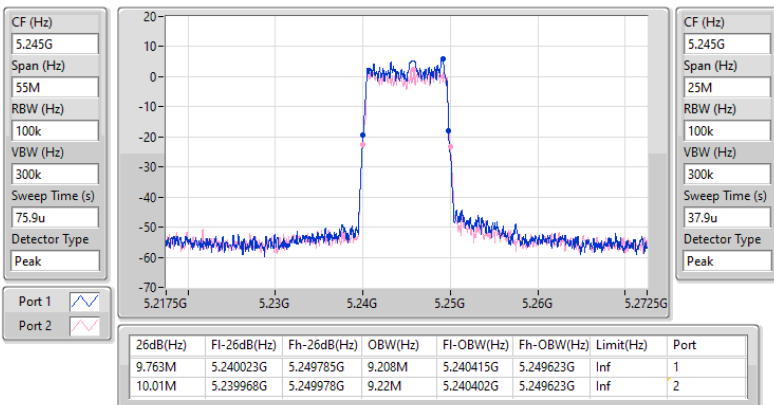


5.15-5.25GHz_QPSK10_10MHz_Nss1_2TX

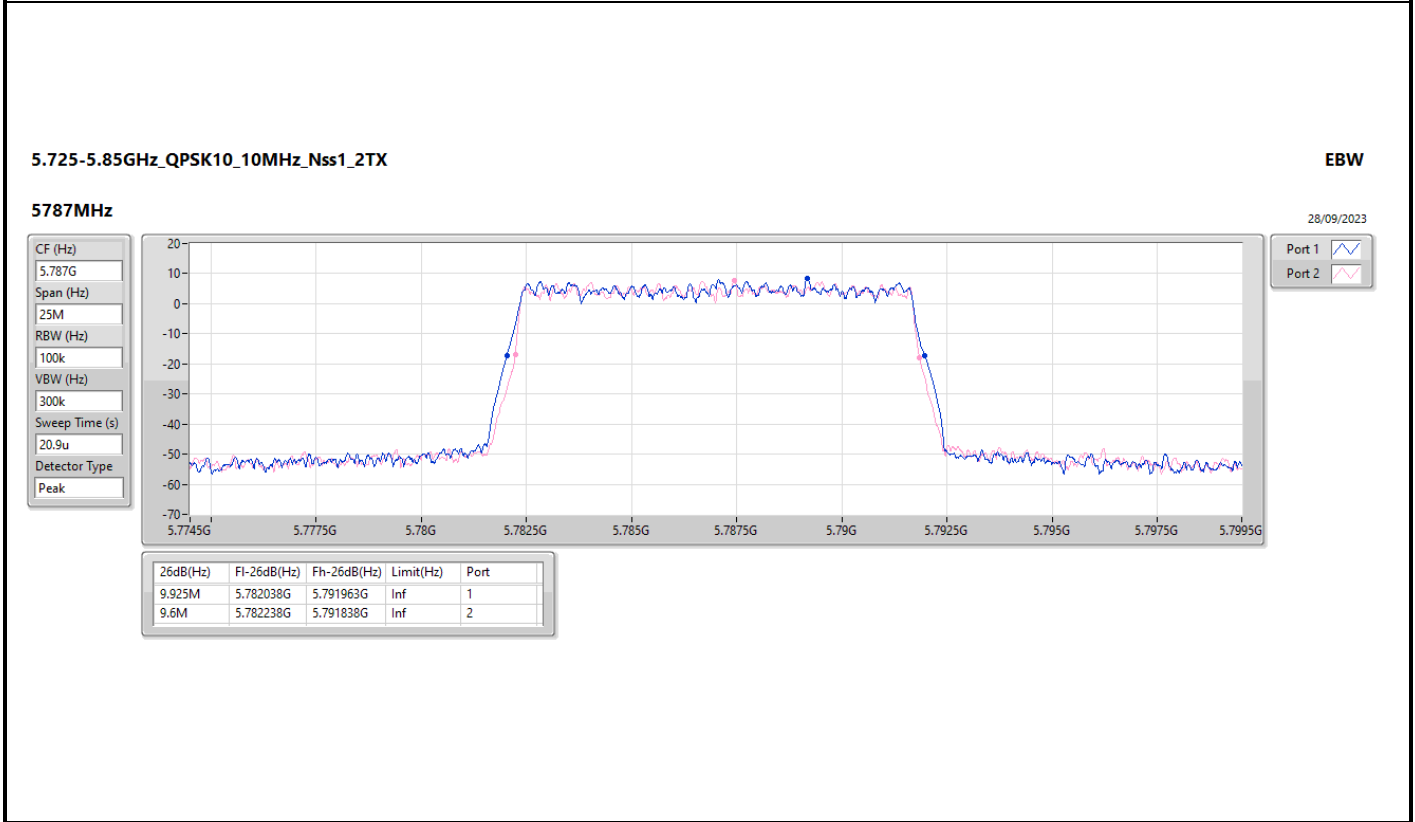
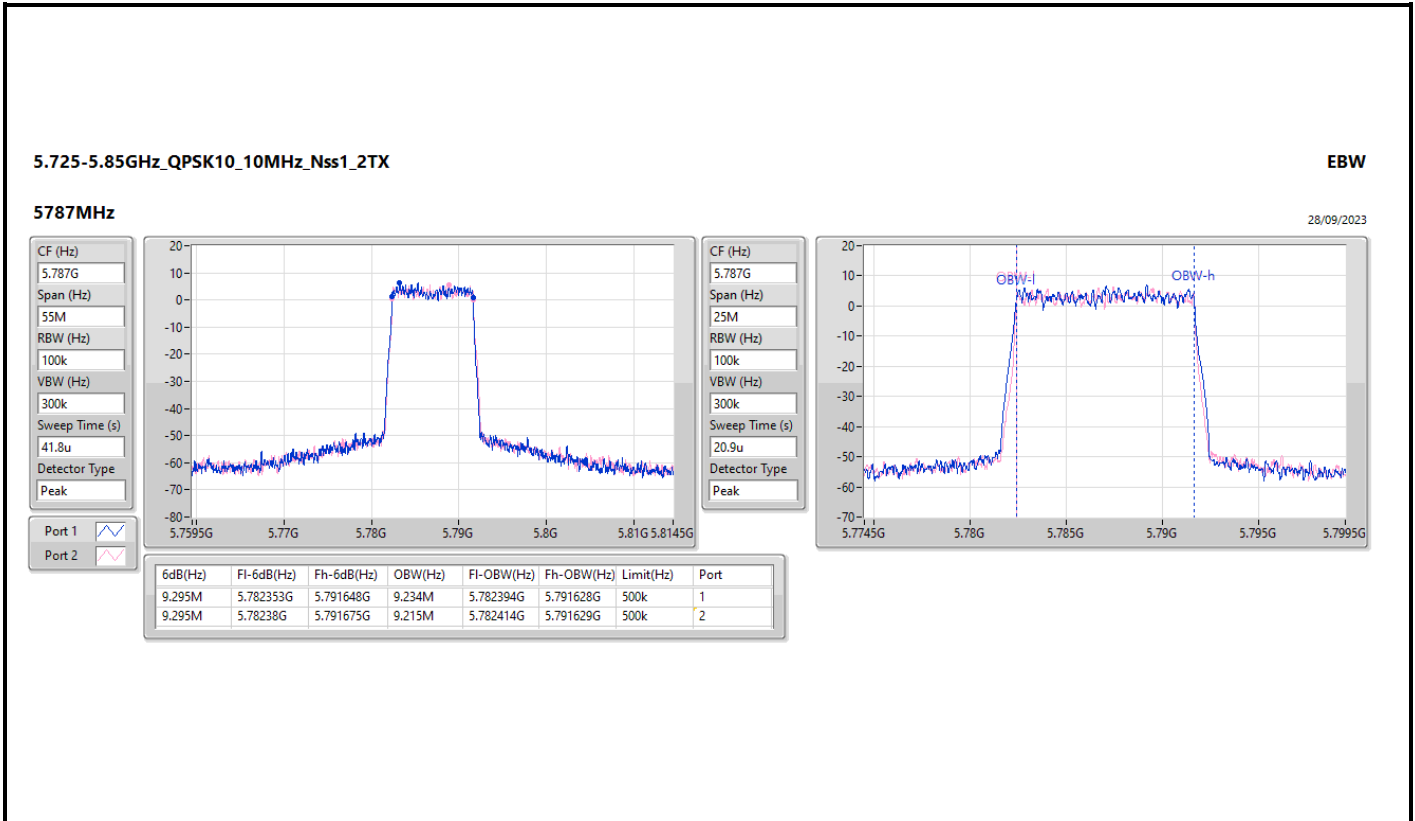
EBW

5245MHz

02/10/2023







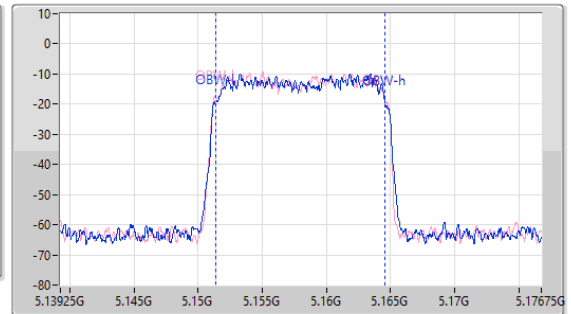
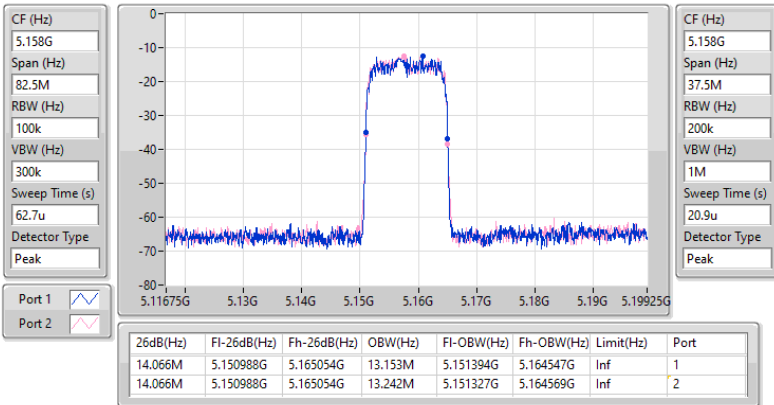


5.15-5.25GHz_QPSK15_15MHz_Nss1_2TX

EBW

5158MHz

28/09/2023

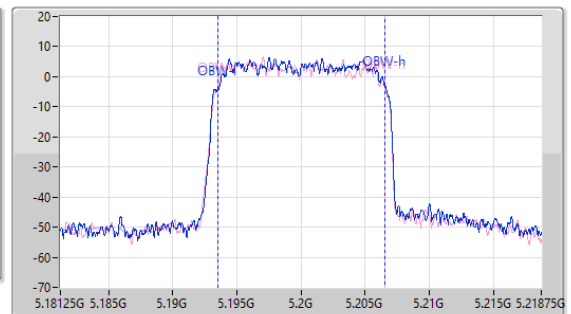
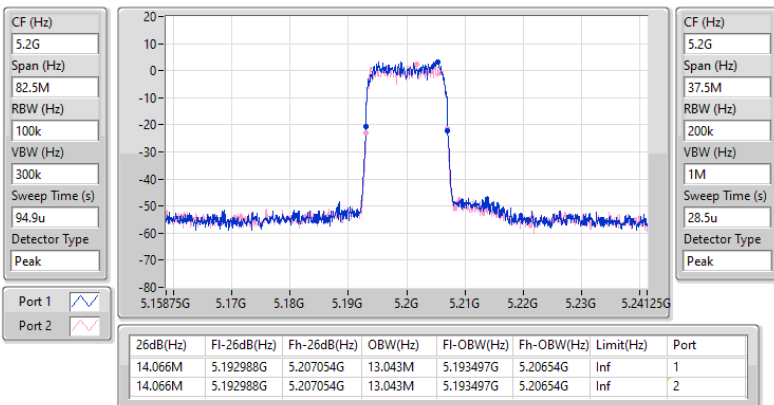


5.15-5.25GHz_QPSK15_15MHz_Nss1_2TX

EBW

5200MHz

02/10/2023



5.15-5.25GHz_QPSK15_15MHz_Nss1_2TX

EBW

5242MHz

02/10/2023

CF (Hz)
5.242G

Span (Hz)
82.5M

RBW (Hz)
100k

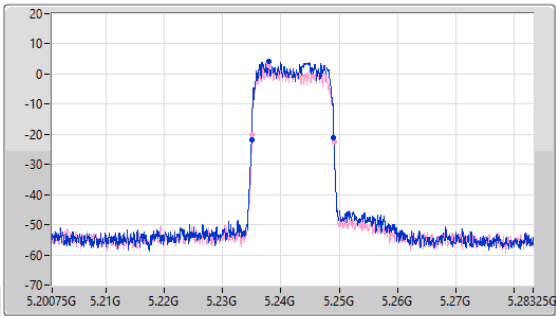
VBW (Hz)
300k

Sweep Time (s)
94.9u

Detector Type
Peak

Port 1

Port 2



CF (Hz)
5.242G

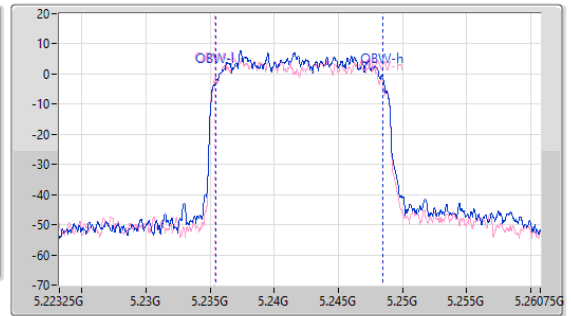
Span (Hz)
37.5M

RBW (Hz)
200k

VBW (Hz)
1M

Sweep Time (s)
28.5u

Detector Type
Peak



26dB(Hz)	FI-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.108M	5.234946G	5.249054G	13.043M	5.23546G	5.248503G	Inf	1
14.108M	5.234988G	5.249095G	13.156M	5.235347G	5.248503G	Inf	2

5.725-5.85GHz_QPSK15_15MHz_Nss1_2TX

EBW

5733MHz

28/09/2023

CF (Hz)
5.733G

Span (Hz)
82.5M

RBW (Hz)
100k

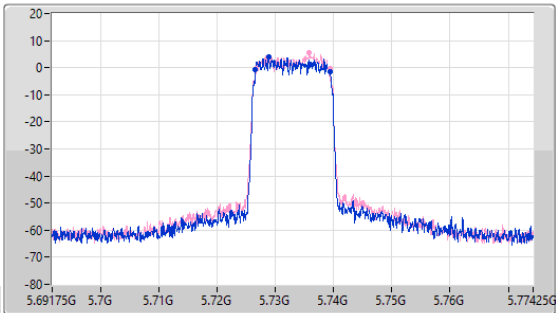
VBW (Hz)
300k

Sweep Time (s)
62.7u

Detector Type
Peak

Port 1

Port 2



CF (Hz)
5.733G

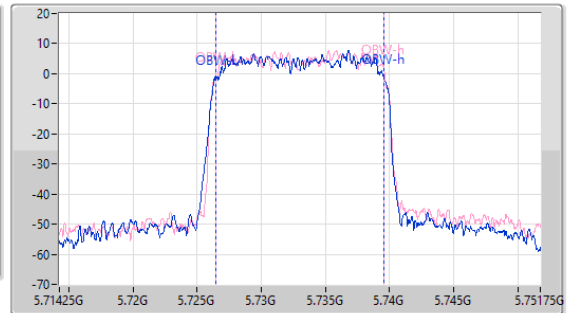
Span (Hz)
37.5M

RBW (Hz)
200k

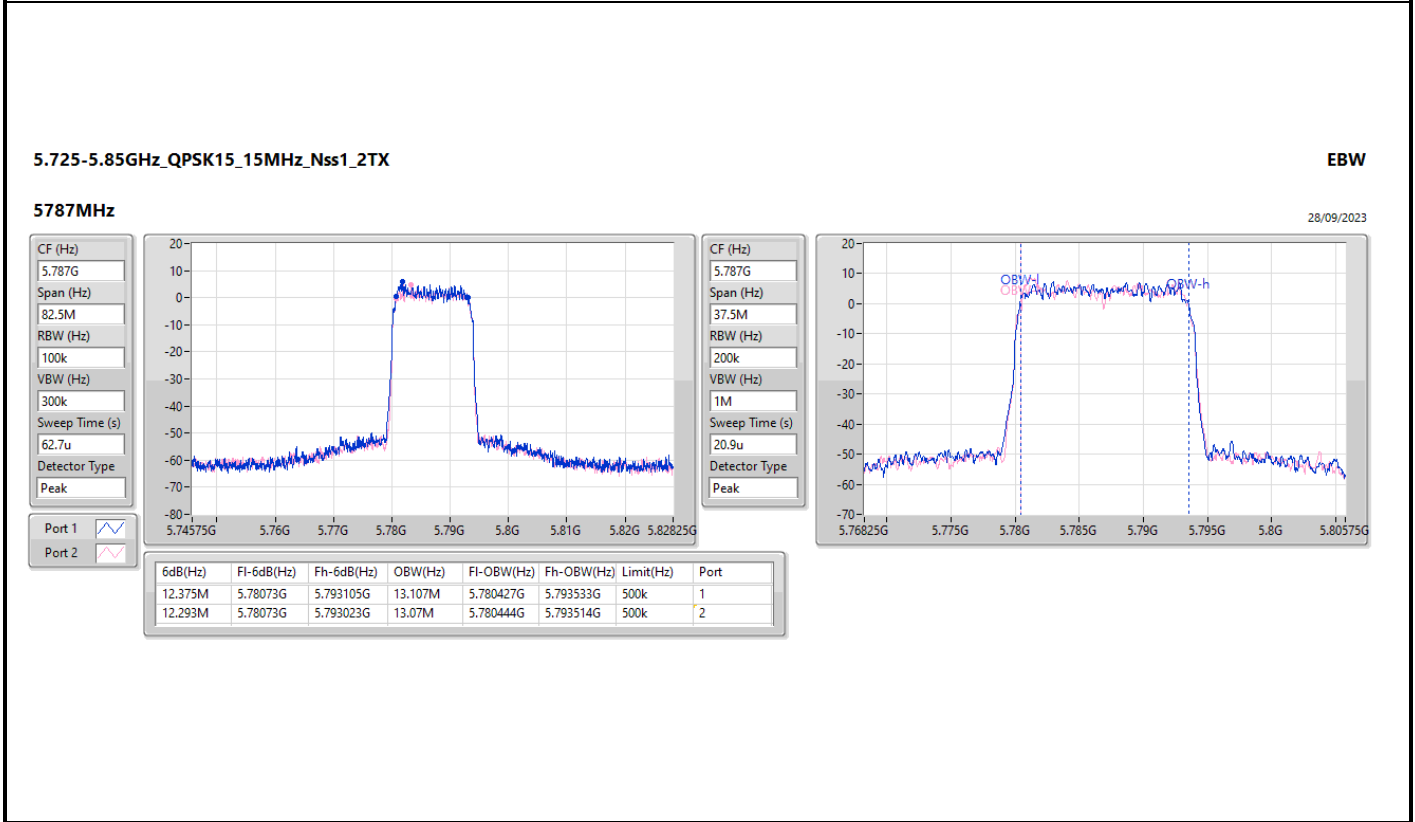
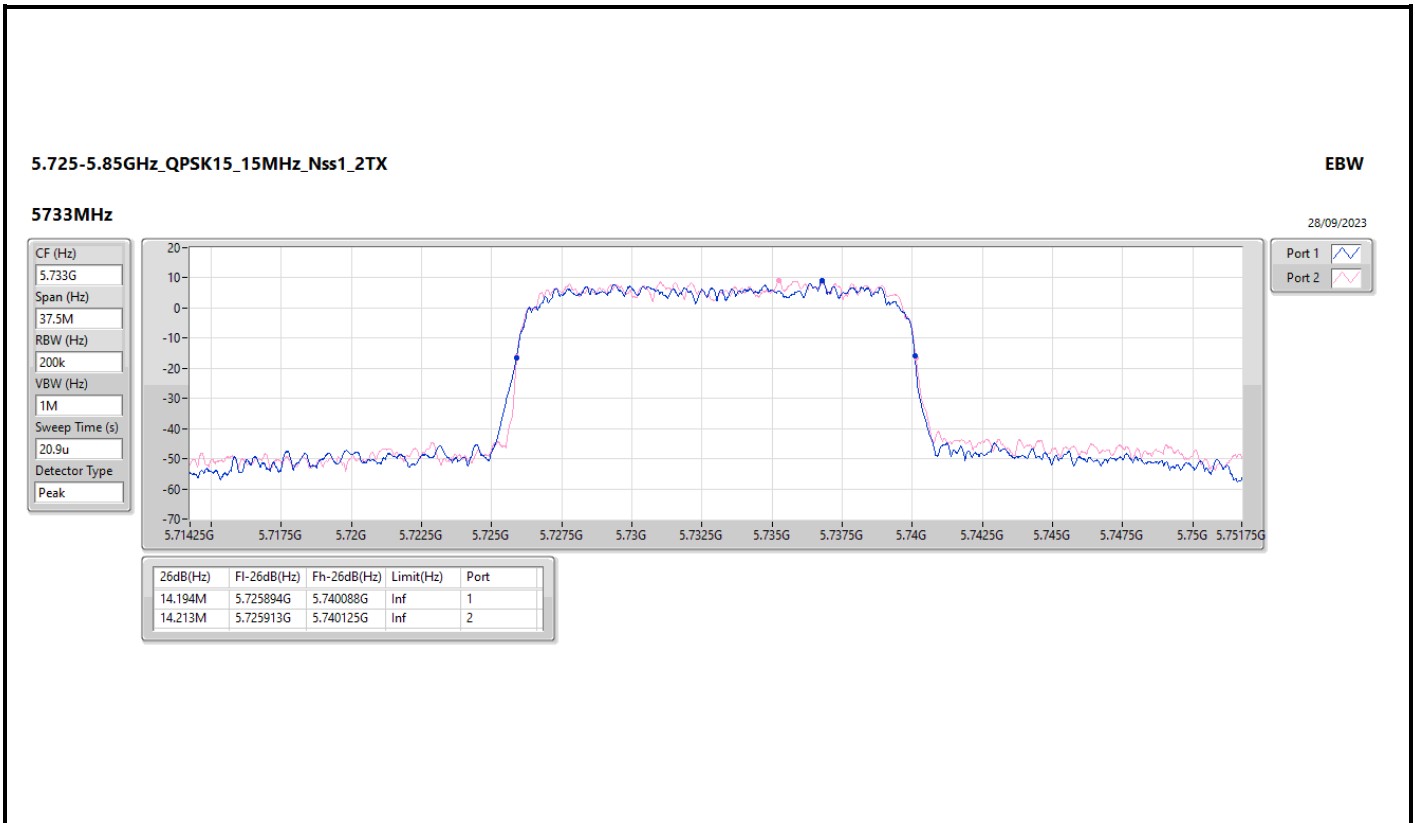
VBW (Hz)
1M

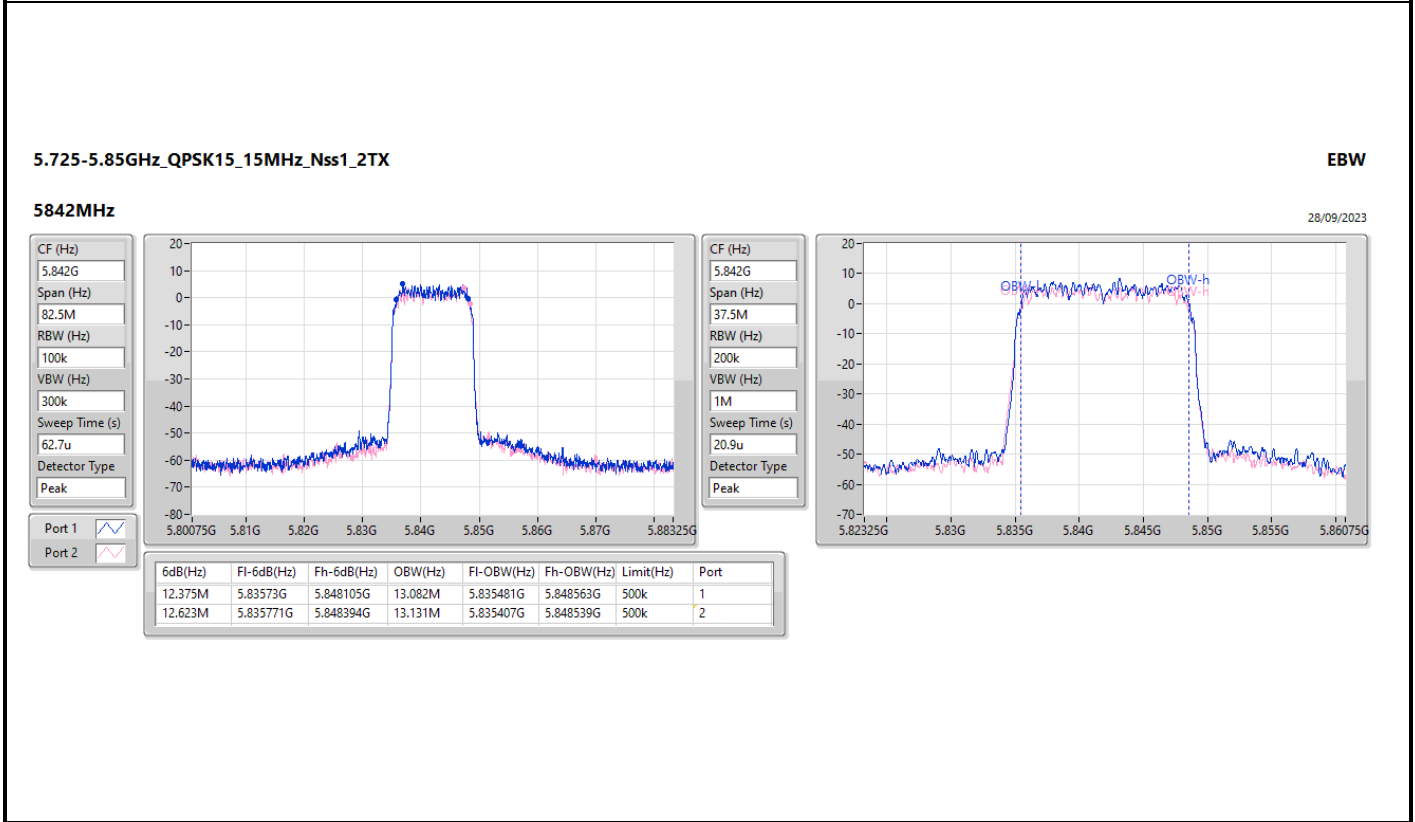
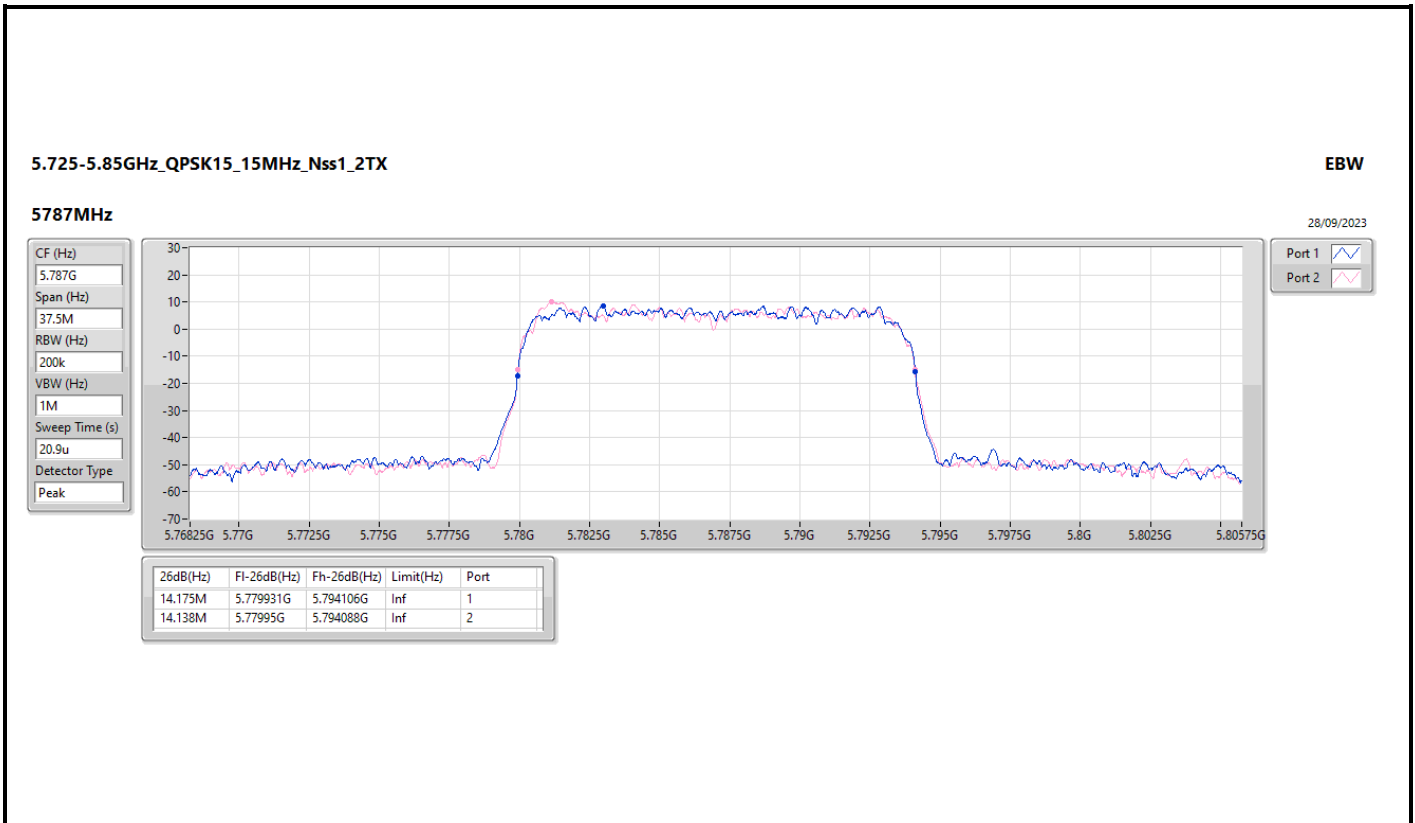
Sweep Time (s)
20.9u

Detector Type
Peak



6dB(Hz)	FI-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
12.829M	5.726648G	5.739476G	13.143M	5.726434G	5.739577G	500k	1
12.705M	5.72673G	5.739435G	13.127M	5.726455G	5.739582G	500k	2





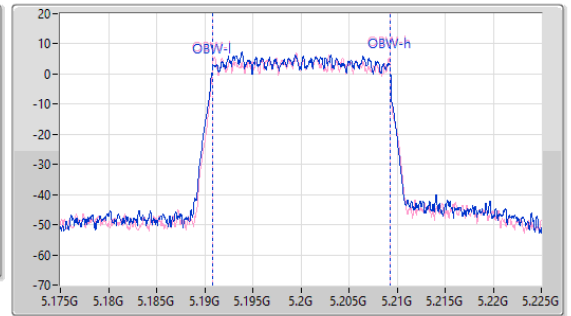
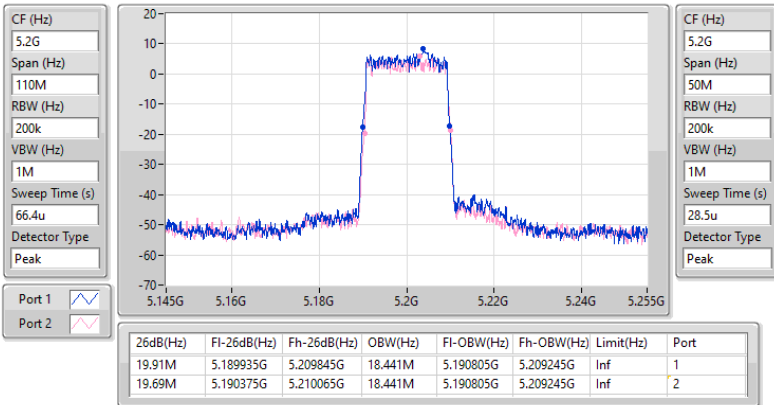


5.15-5.25GHz_QPSK20_20MHz_Nss1_2TX

EBW

5200MHz

02/10/2023

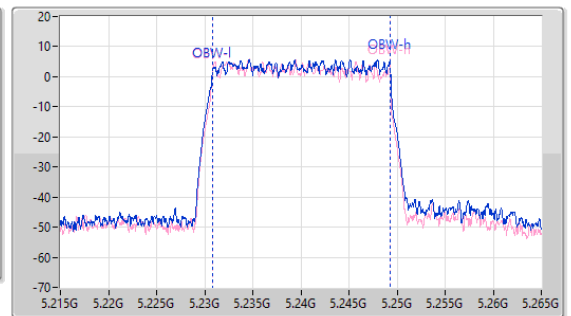
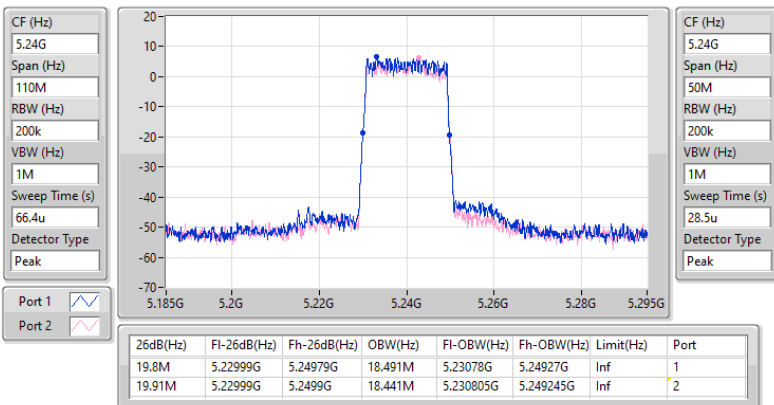


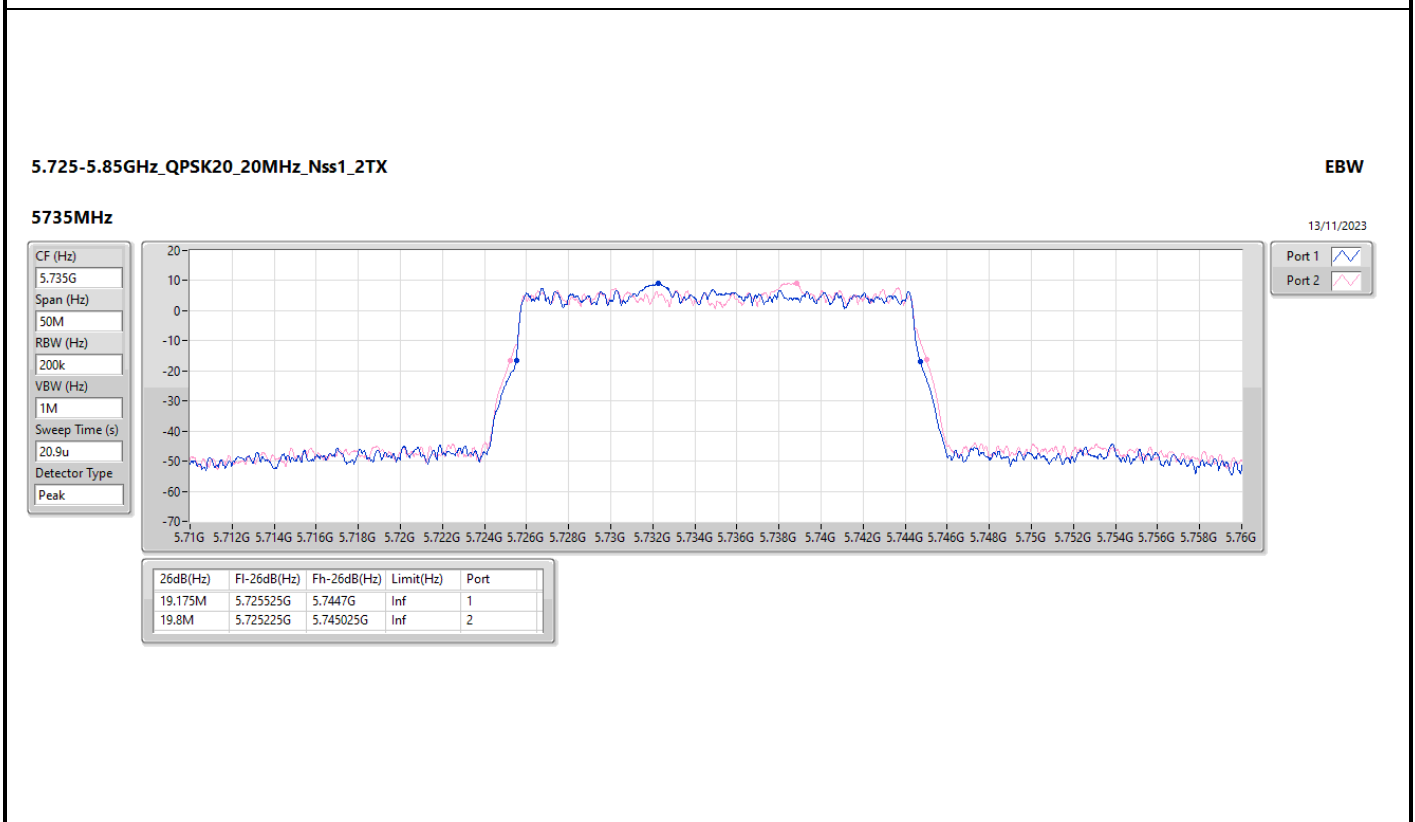
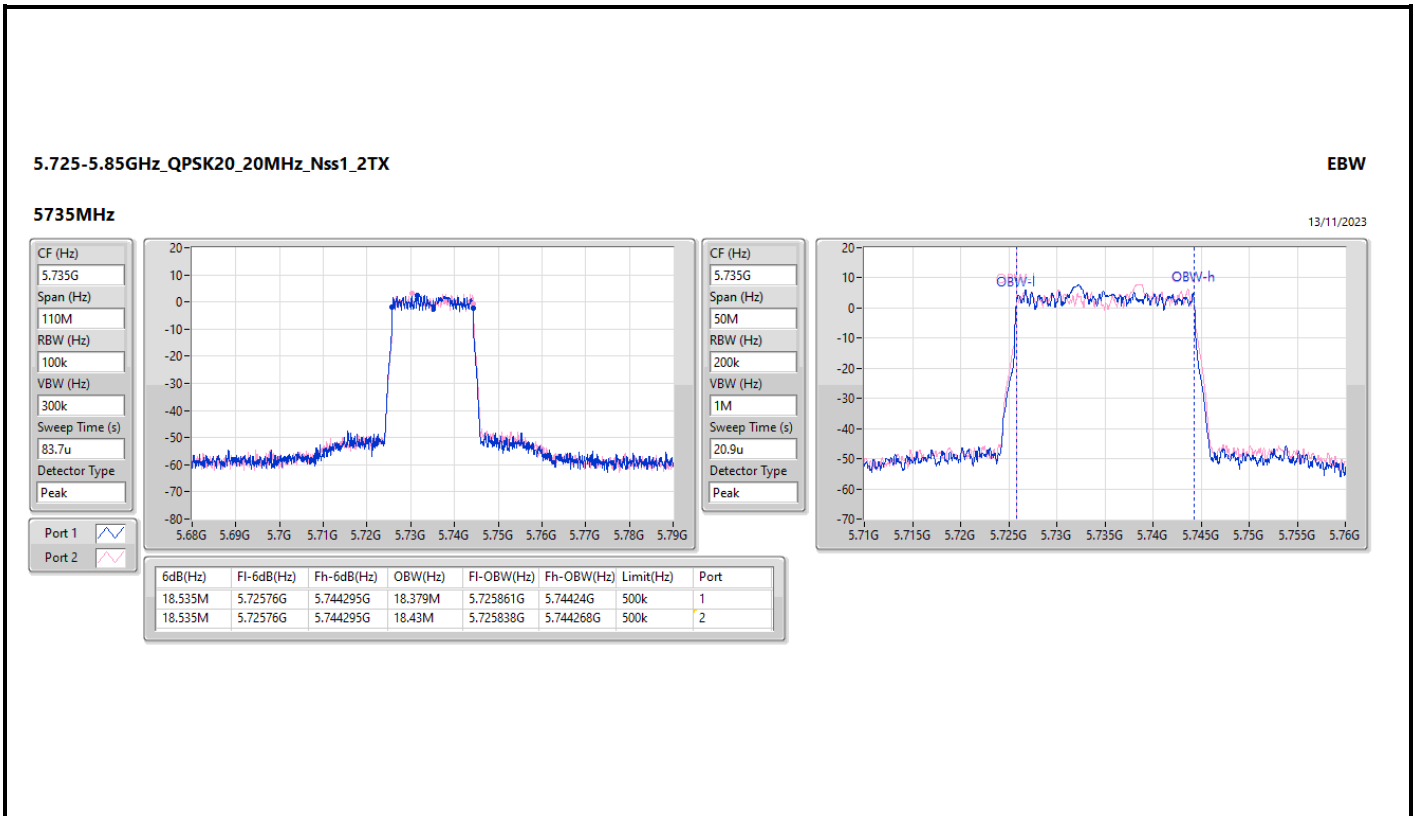
5.15-5.25GHz_QPSK20_20MHz_Nss1_2TX

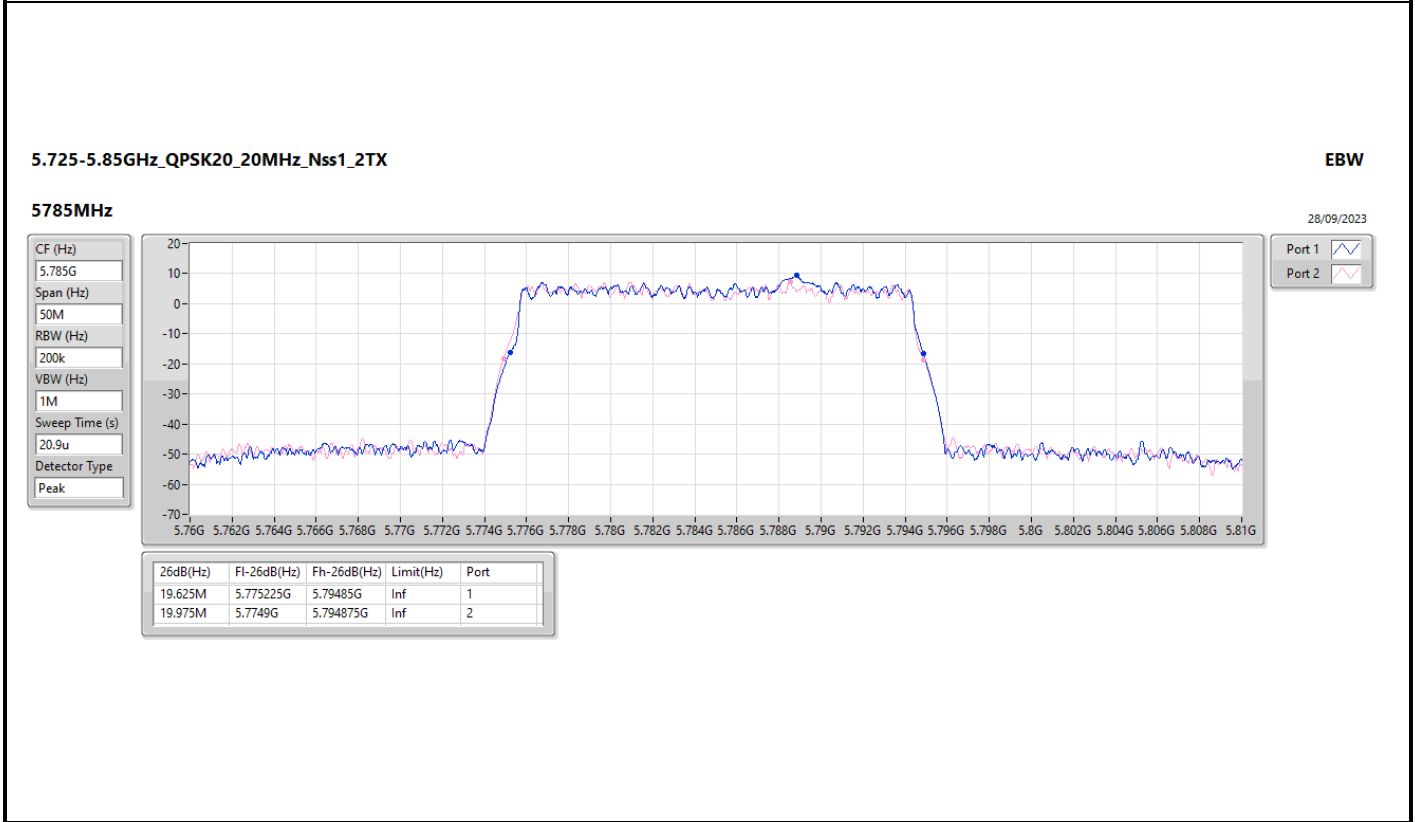
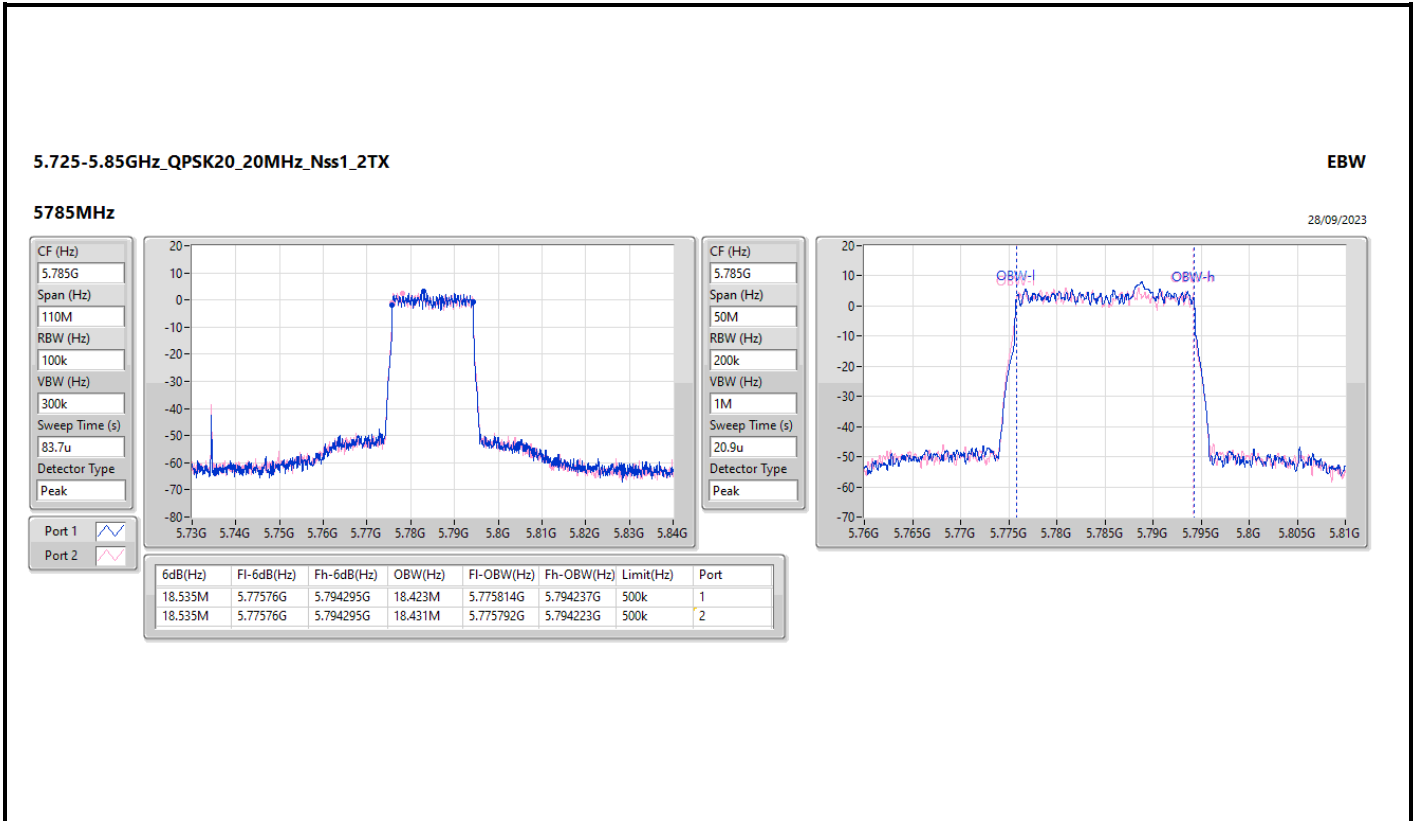
EBW

5240MHz

02/10/2023









CF (Hz): 5.84G

Span (Hz): 50M

RBW (Hz): 200k

VBW (Hz): 1M

Sweep Time (s): 20.9u

Detector Type: Peak

Port 1:

Port 2:

5.15-5.25GHz_QPSK30_30MHz_Nss1_2TX

EBW

5165MHz

28/09/2023

CF (Hz)
5.165G

Span (Hz)
165M

RBW (Hz)
300k

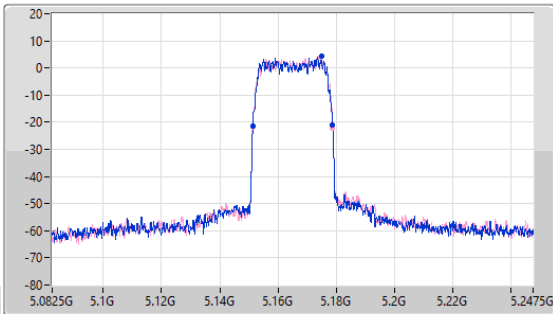
VBW (Hz)
1M

Sweep Time (s)
34.8u

Detector Type
Peak

Port 1

Port 2



CF (Hz)
5.165G

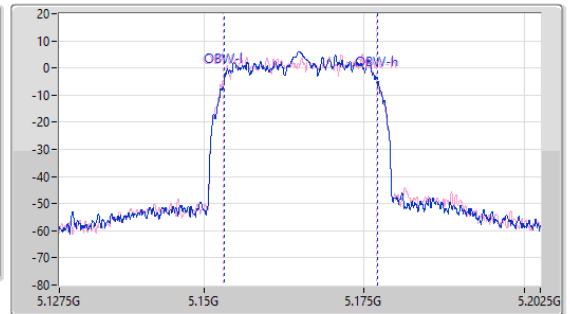
Span (Hz)
75M

RBW (Hz)
300k

VBW (Hz)
1M

Sweep Time (s)
21u

Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
27.473M	5.151305G	5.178778G	23.924M	5.153216G	5.17714G	Inf	1
27.555M	5.151223G	5.178778G	24.029M	5.152993G	5.177023G	Inf	2

5.15-5.25GHz_QPSK30_30MHz_Nss1_2TX

EBW

5200MHz

02/10/2023

CF (Hz)
5.2G

Span (Hz)
165M

RBW (Hz)
300k

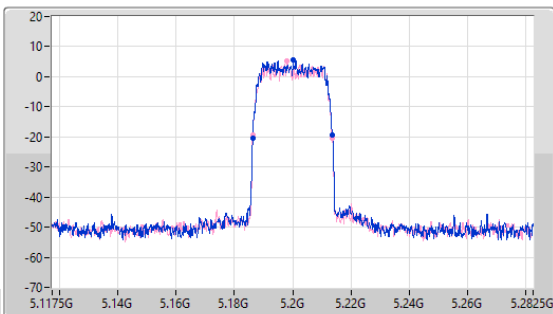
VBW (Hz)
1M

Sweep Time (s)
63.2u

Detector Type
Peak

Port 1

Port 2



CF (Hz)
5.2G

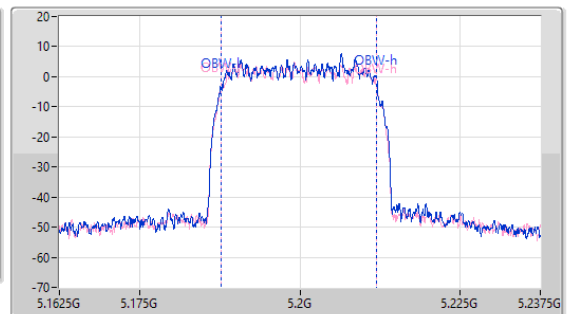
Span (Hz)
75M

RBW (Hz)
300k

VBW (Hz)
1M

Sweep Time (s)
31.7u

Detector Type
Peak



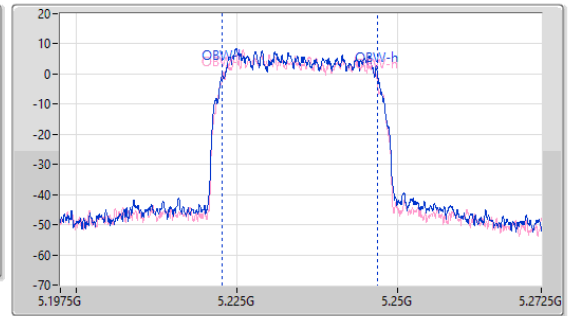
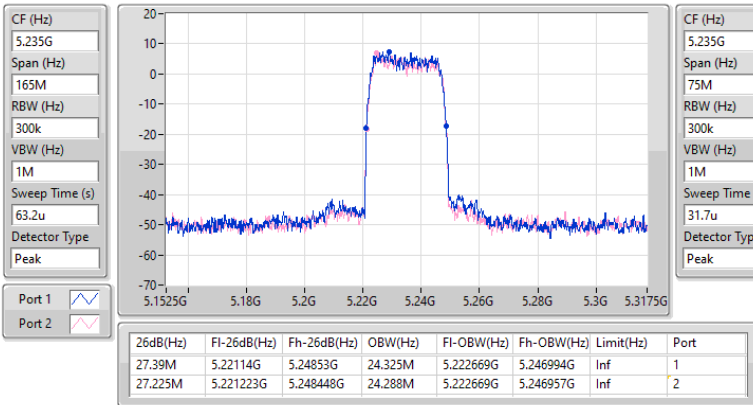
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
27.473M	5.186305G	5.213778G	24.325M	5.187706G	5.212031G	Inf	1
27.39M	5.186223G	5.213613G	24.325M	5.187706G	5.212031G	Inf	2

5.15-5.25GHz_QPSK30_30MHz_Nss1_2TX

EBW

5235MHz

02/10/2023

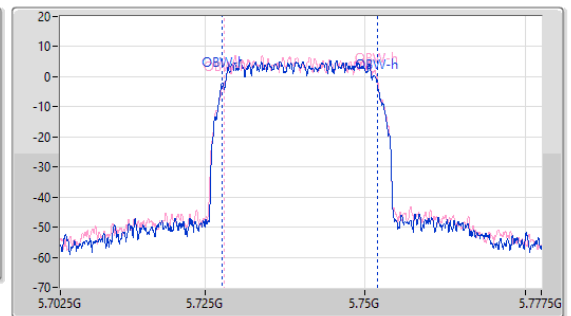
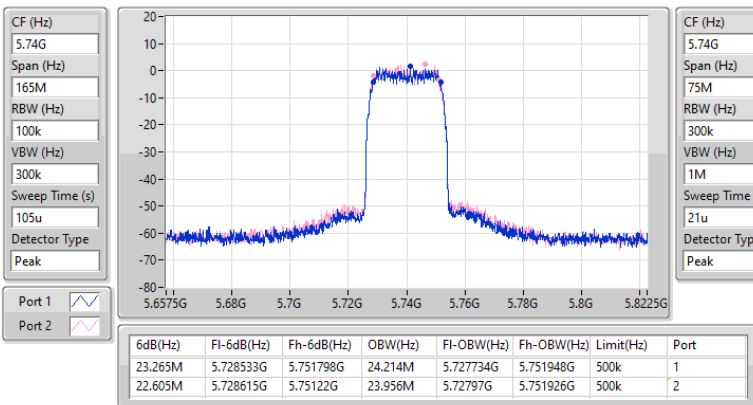


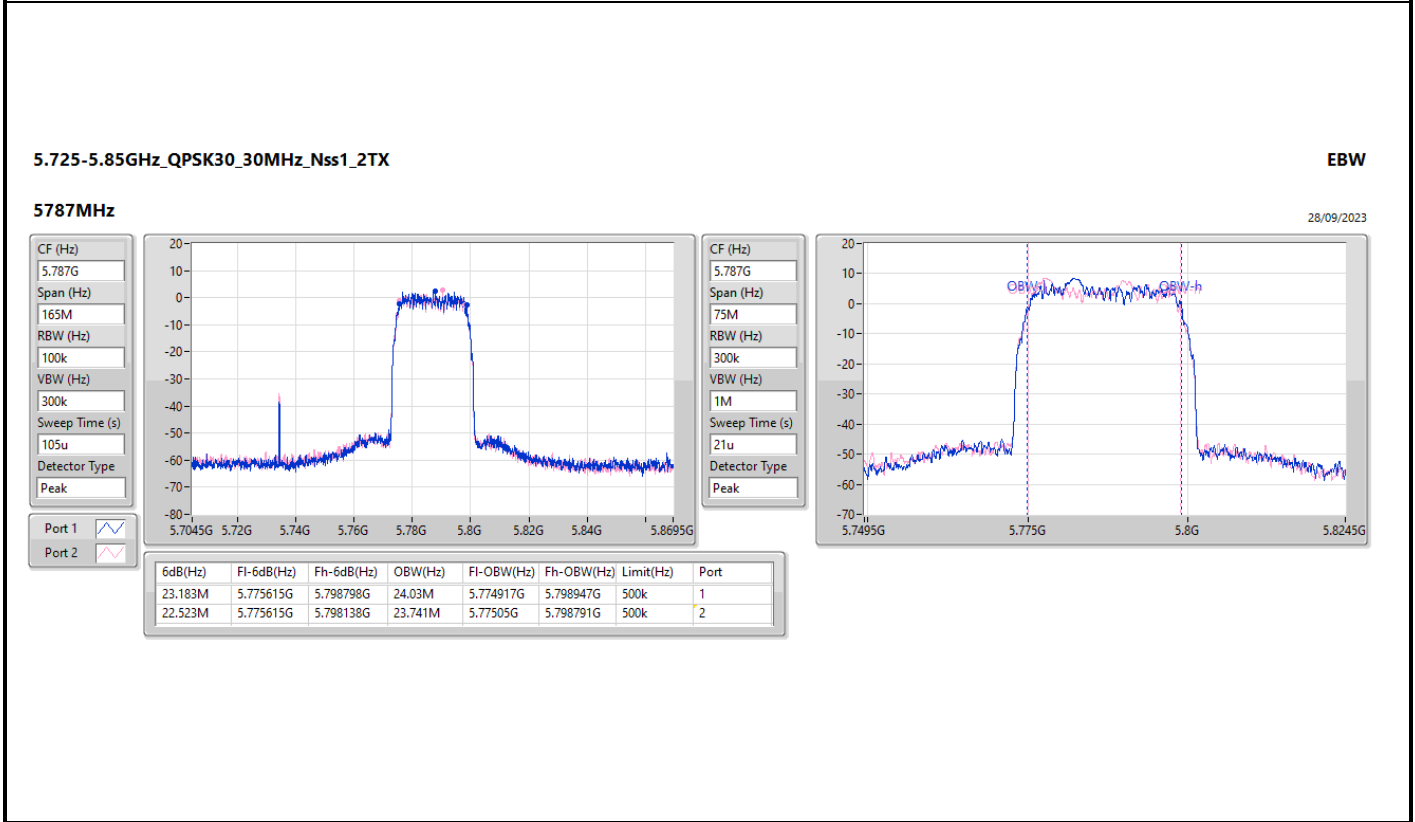
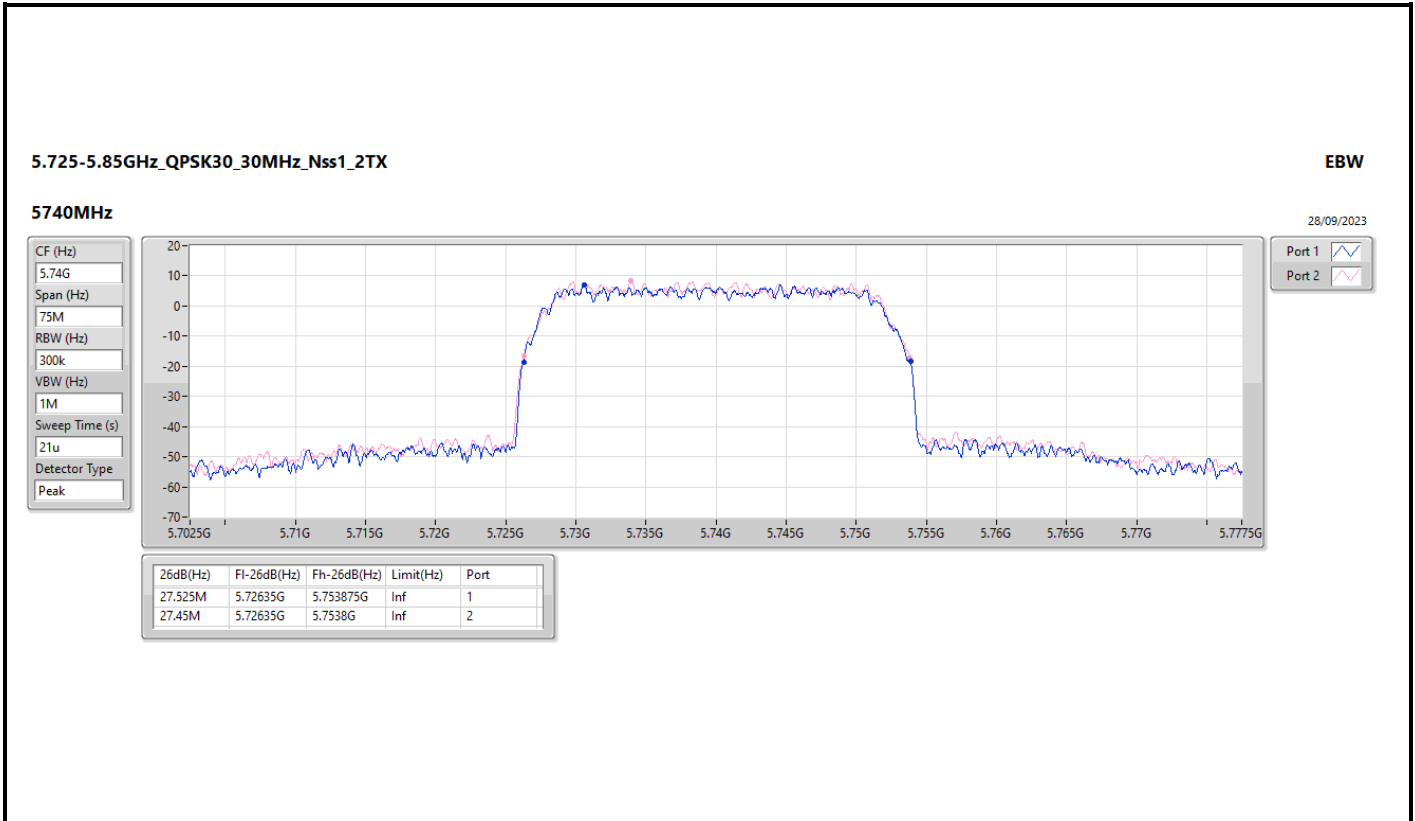
5.725-5.85GHz_QPSK30_30MHz_Nss1_2TX

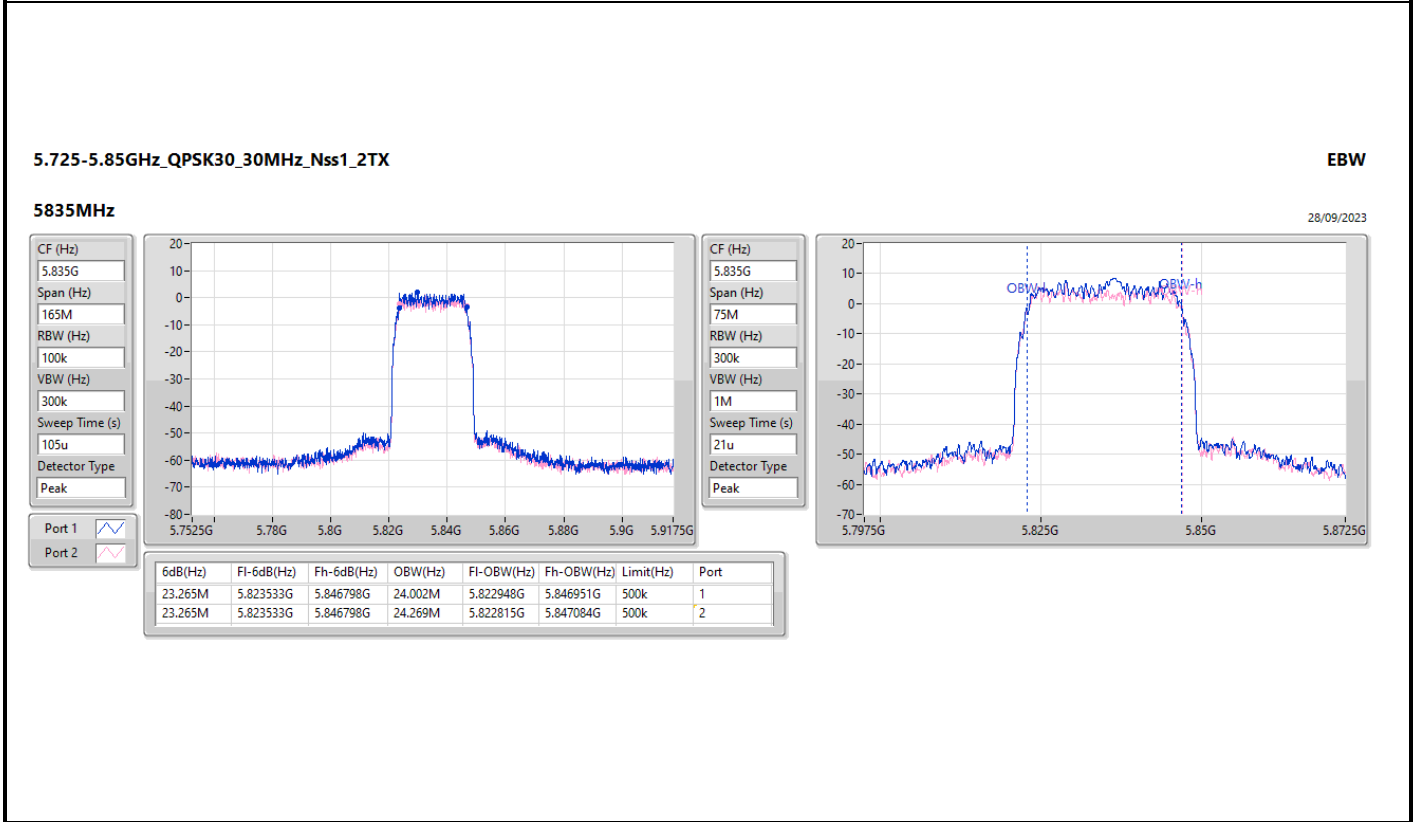
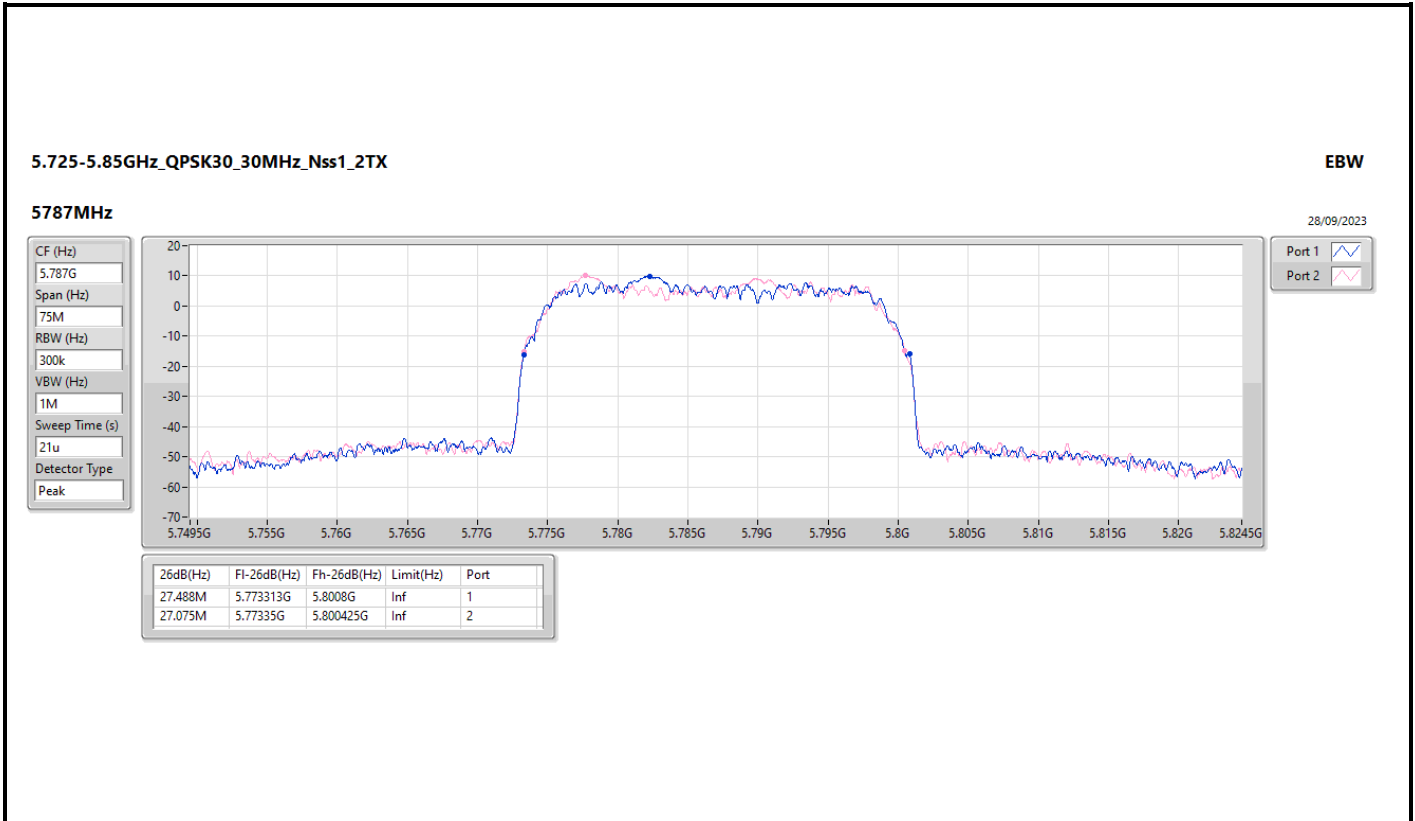
EBW

5740MHz

28/09/2023







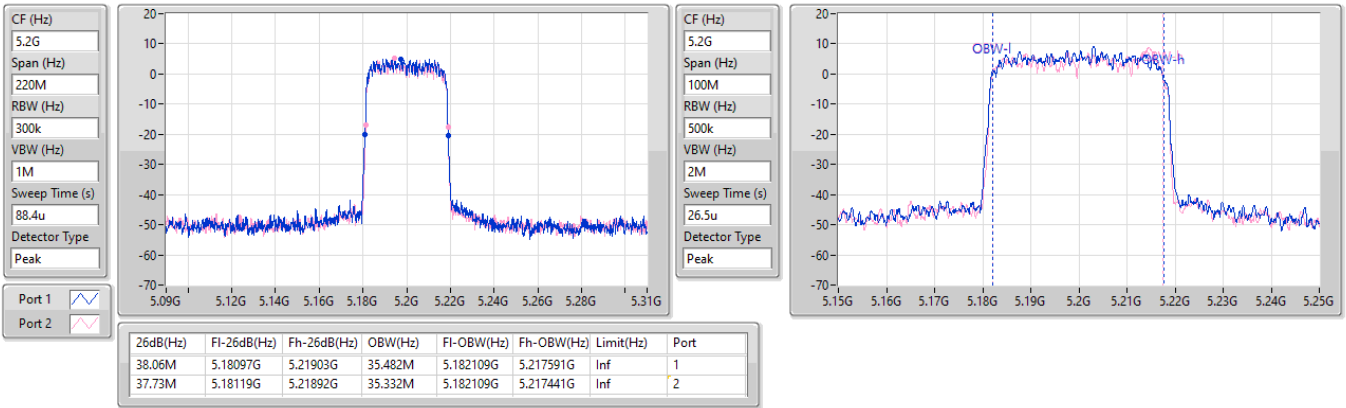


5.15-5.25GHz_QPSK40_40MHz_Nss1_2TX

EBW

5200MHz

02/10/2023

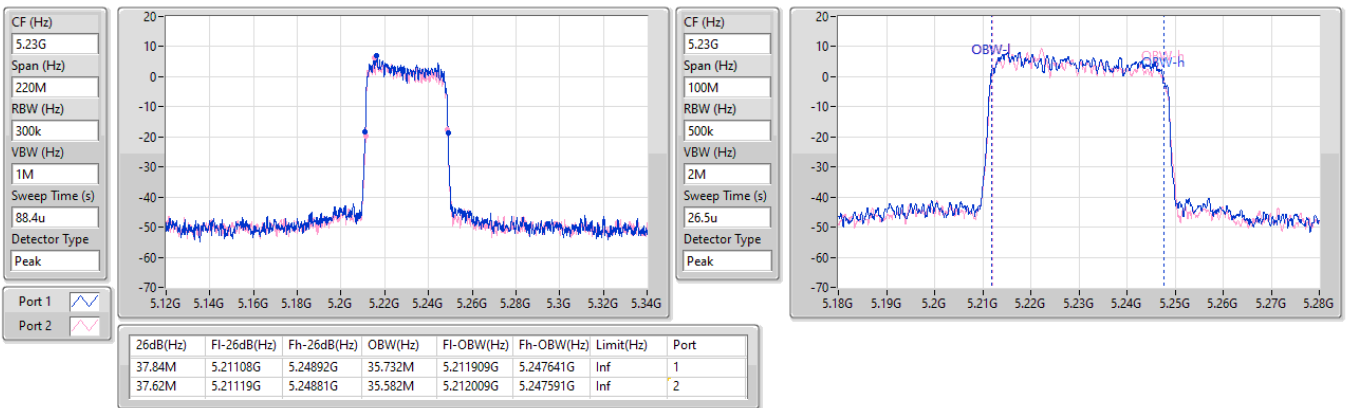


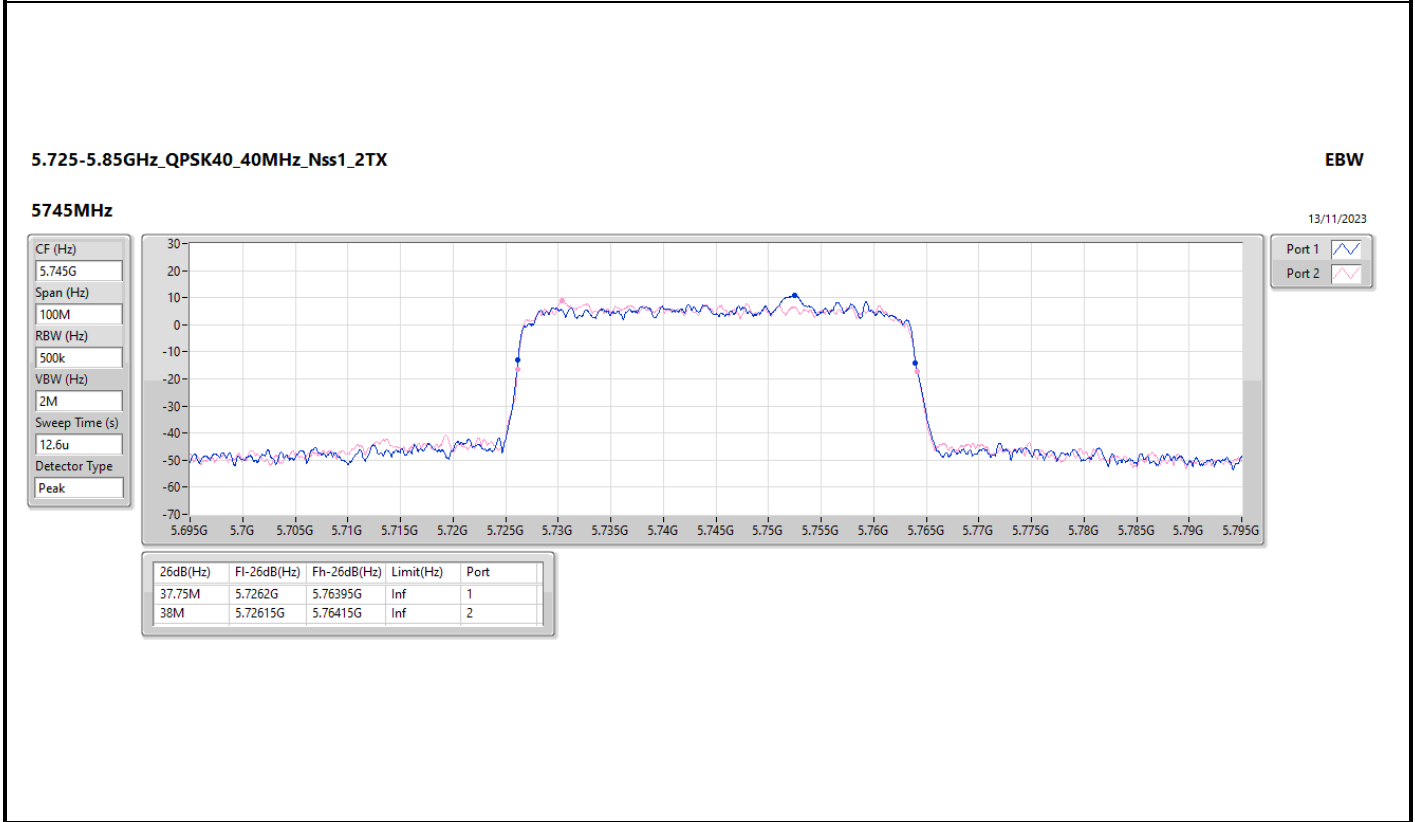
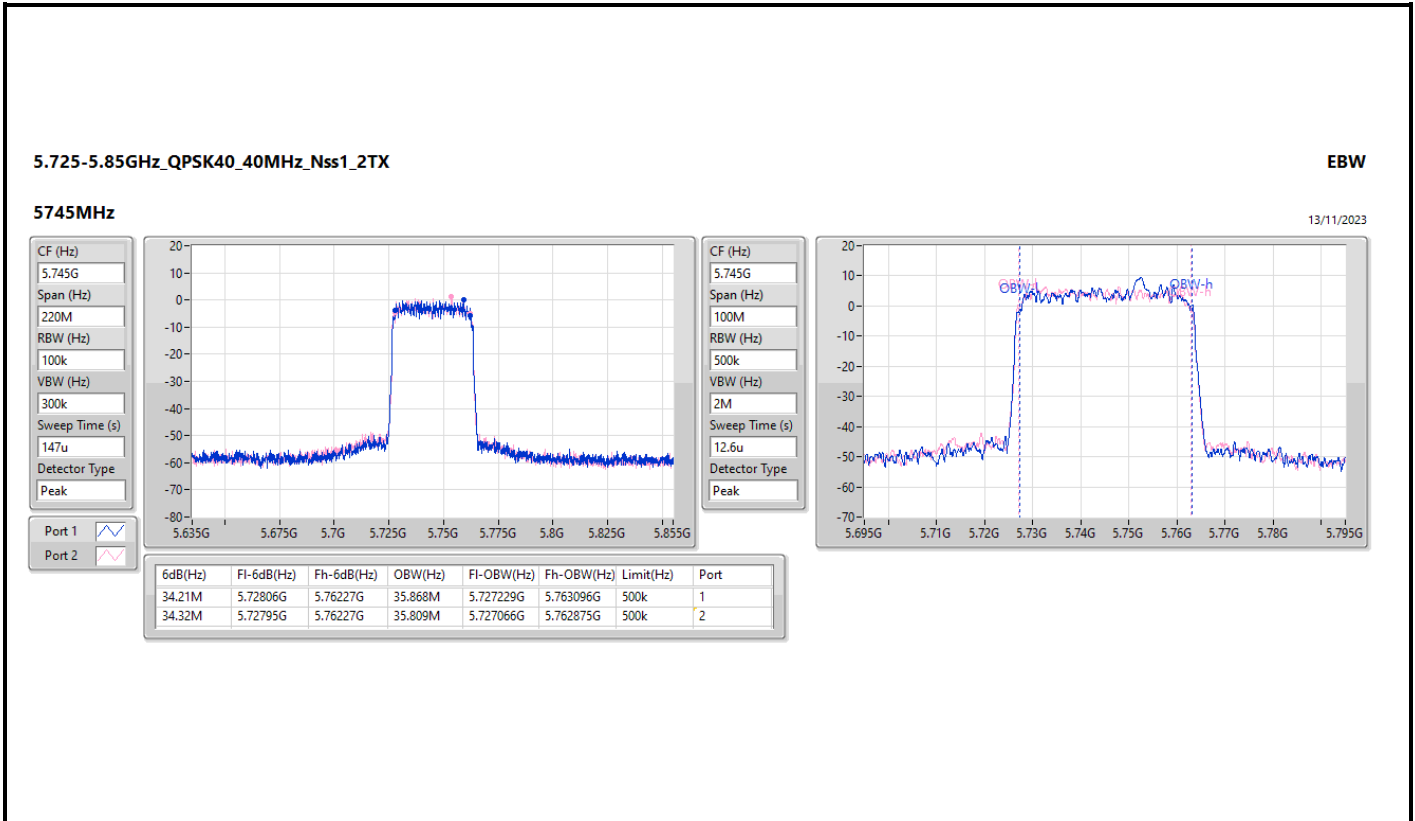
5.15-5.25GHz_QPSK40_40MHz_Nss1_2TX

EBW

5230MHz

02/10/2023



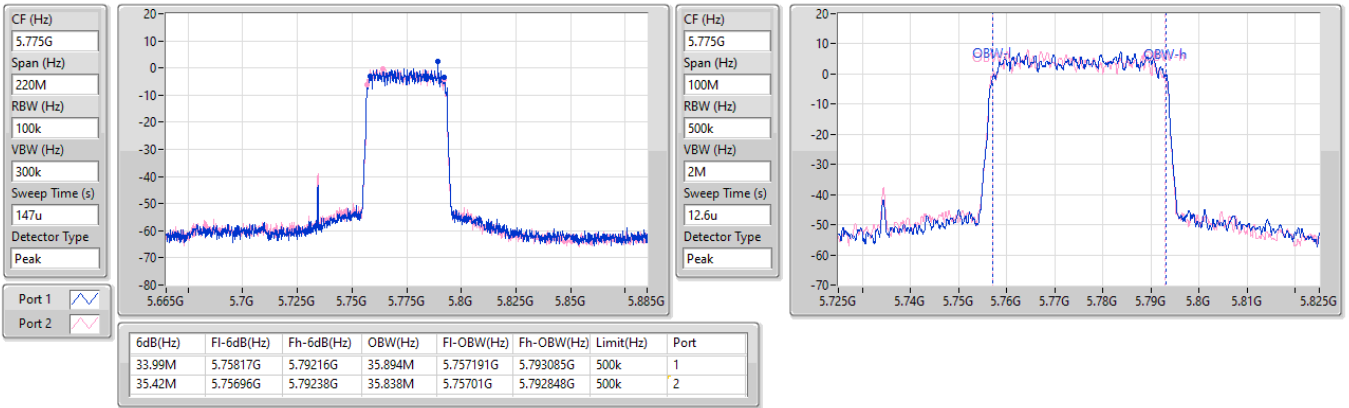


5.725-5.85GHz_QPSK40_40MHz_Nss1_2TX

EBW

5775MHz

28/09/2023

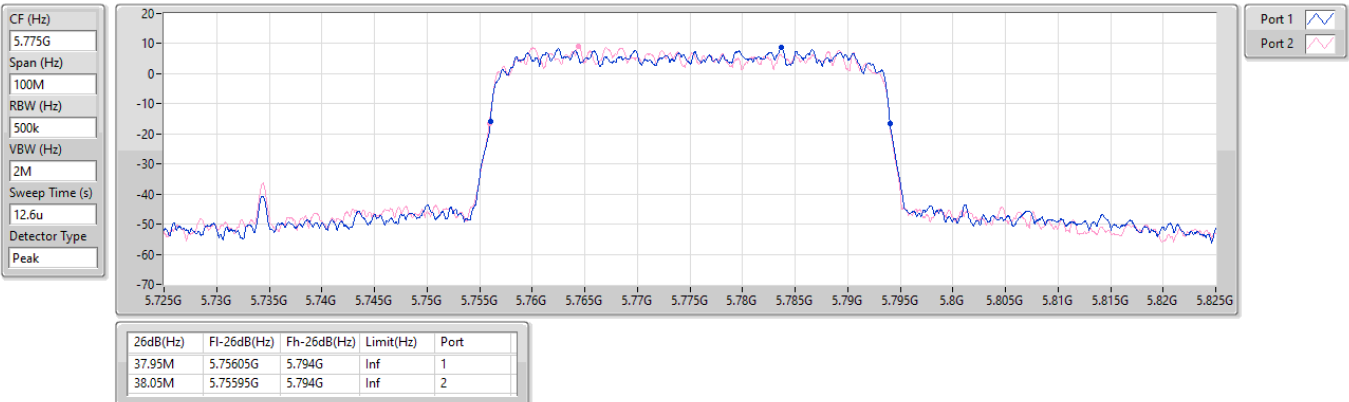


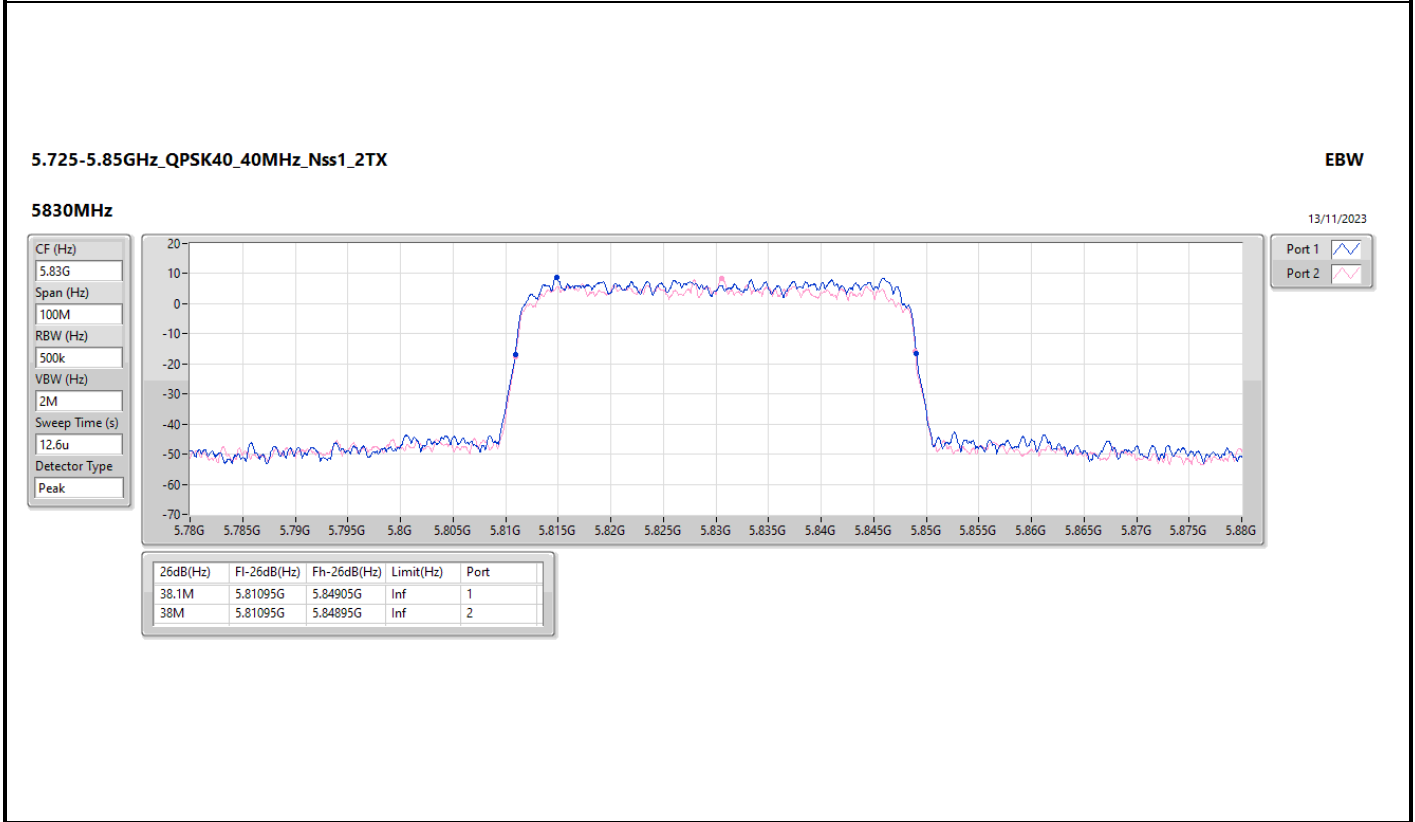
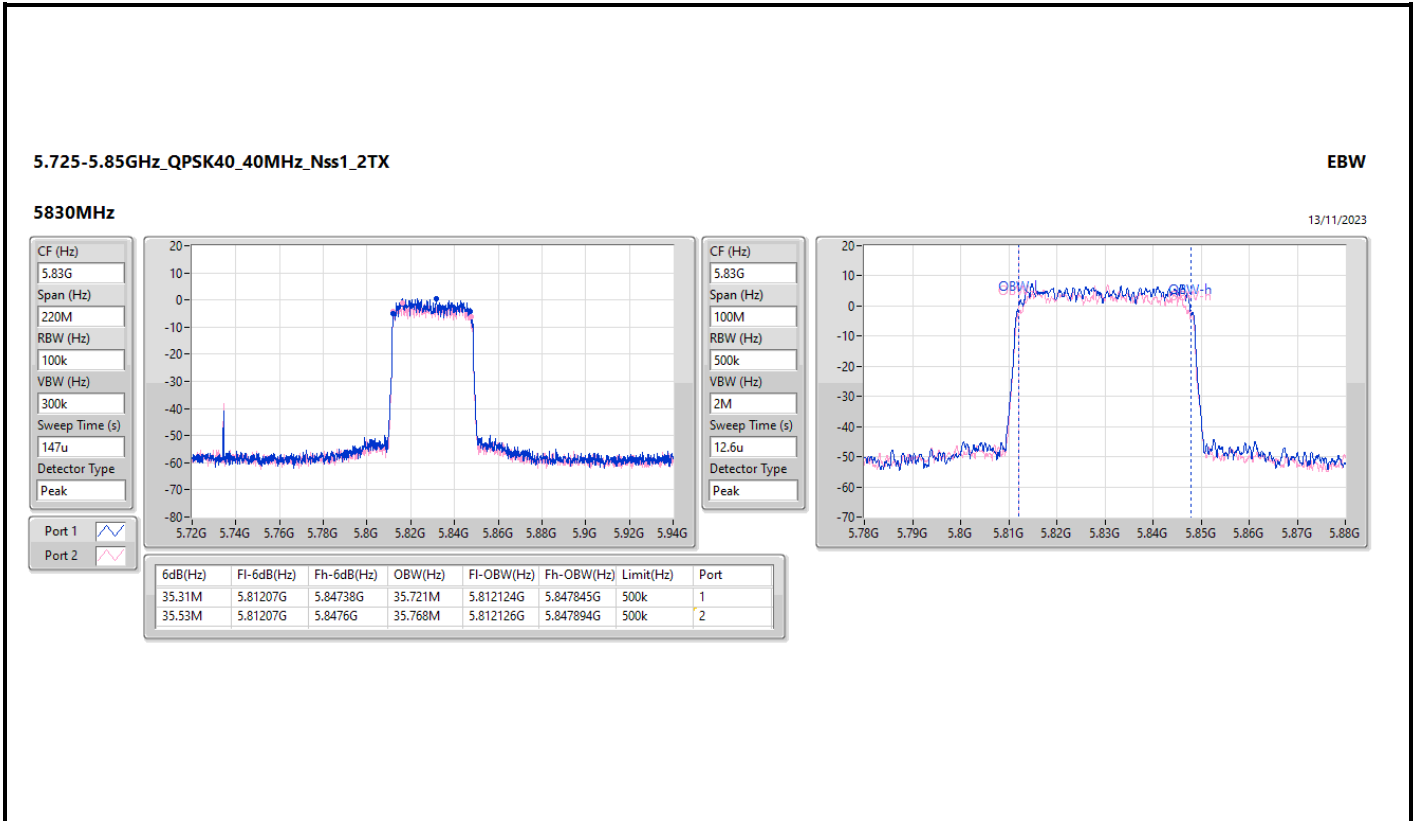
5.725-5.85GHz_QPSK40_40MHz_Nss1_2TX

EBW

5775MHz

28/09/2023







Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
QPSK20+20_20MHz+20MHz_Nss1_2TX(Port1&Port2)	20.475M	18.441M	18M4G7D	20.4M	18.411M
QPSK30+30_30MHz+30MHz_Nss1_2TX(Port1&Port2)	27.473M	24.423M	24M4G7D	27.405M	24.333M
QPSK40+40_40MHz+40MHz_Nss1_2TX(Port1&Port2)	38.46M	35.622M	35M6G7D	38.31M	35.532M
5.725-5.85GHz	-	-	-	-	-
QPSK20+20_20MHz+20MHz_Nss1_2TX(Port3&Port4)	18.33M	18.471M	18M5G7D	18.21M	18.381M
QPSK30+30_30MHz+30MHz_Nss1_2TX(Port3&Port4)	24.075M	24.468M	24M5G7D	23.85M	24.13M
QPSK40+40_40MHz+40MHz_Nss1_2TX(Port3&Port4)	35.28M	35.562M	35M6G7D	35.1M	35.502M

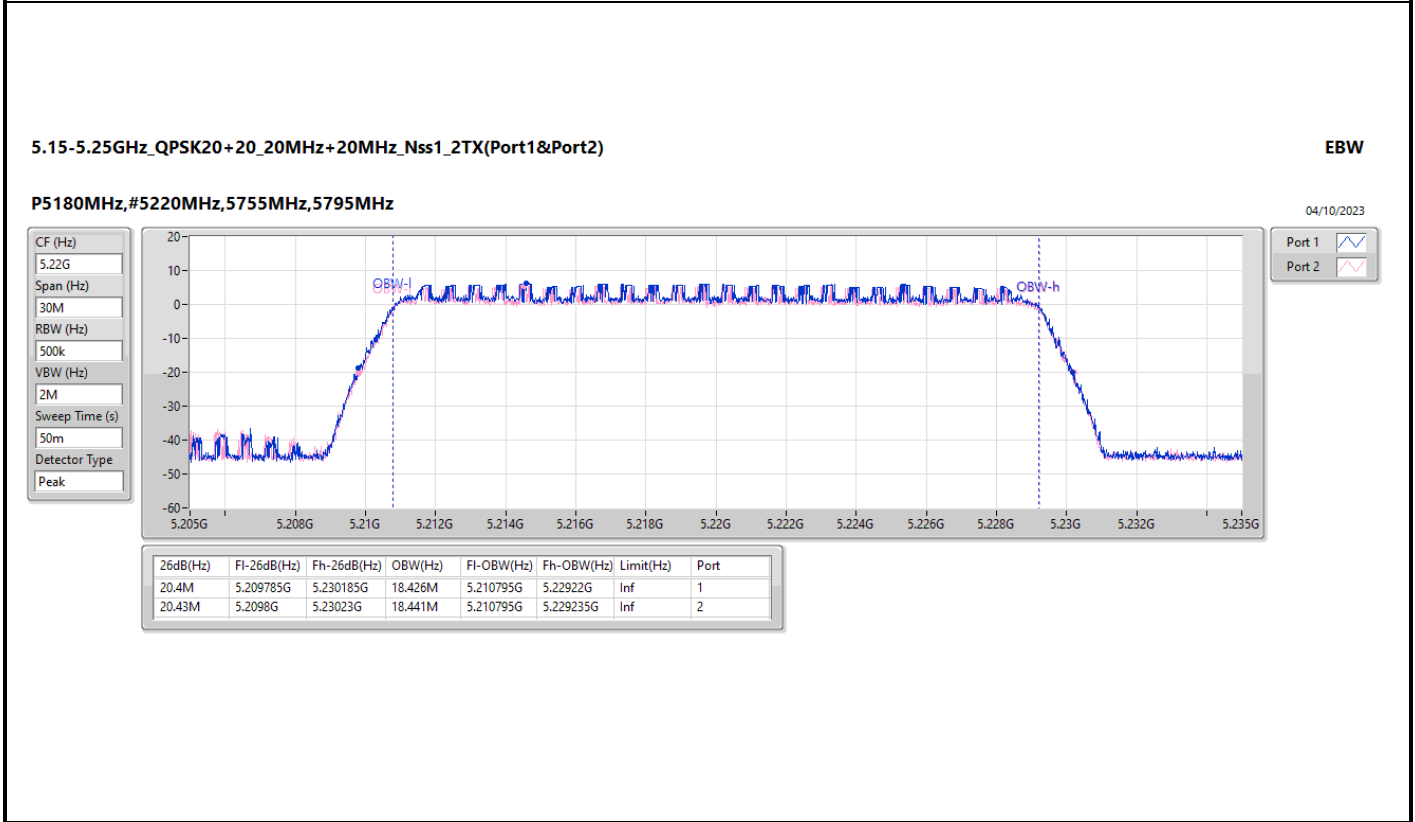
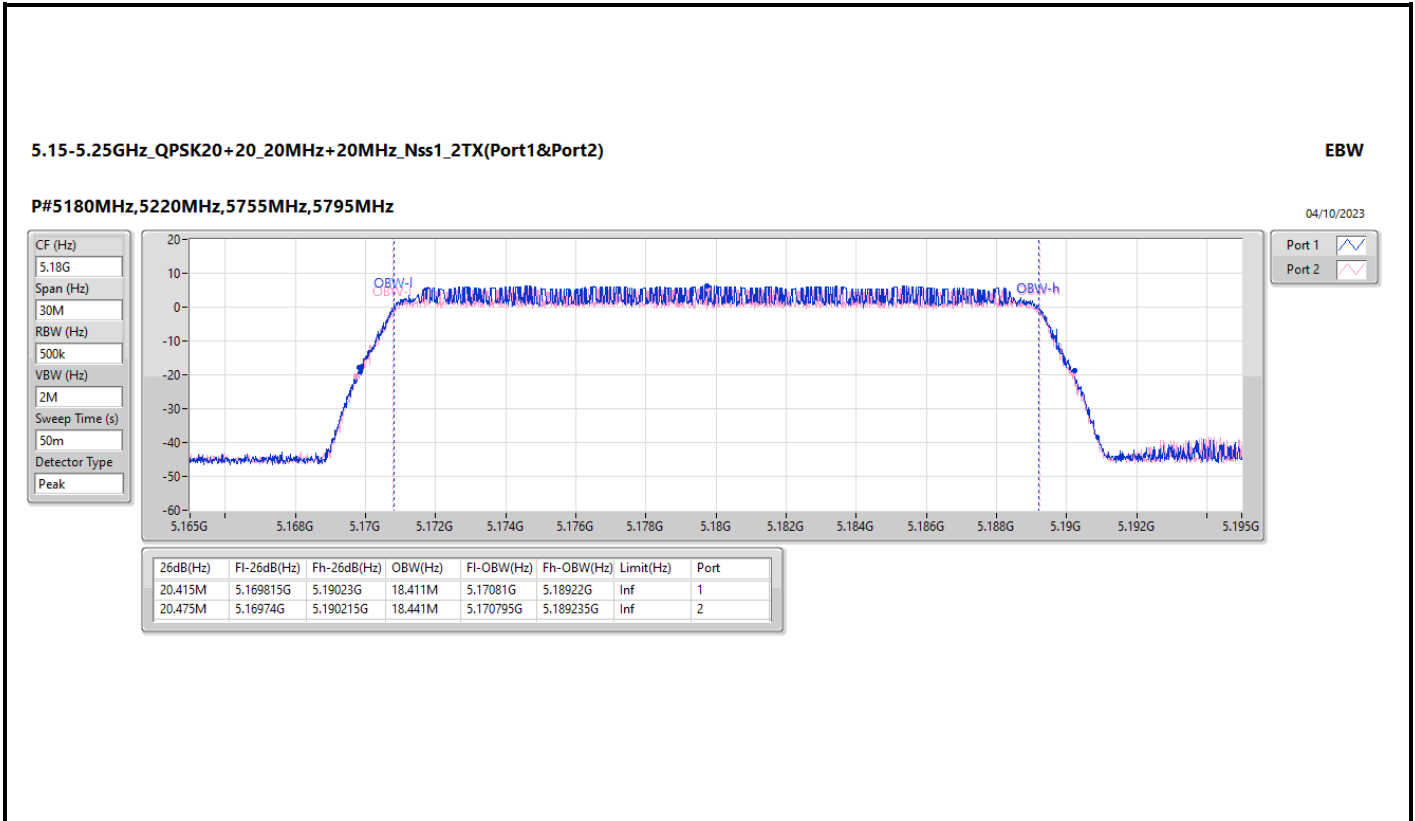
Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Min-OBW = Minimum 99% occupied bandwidth

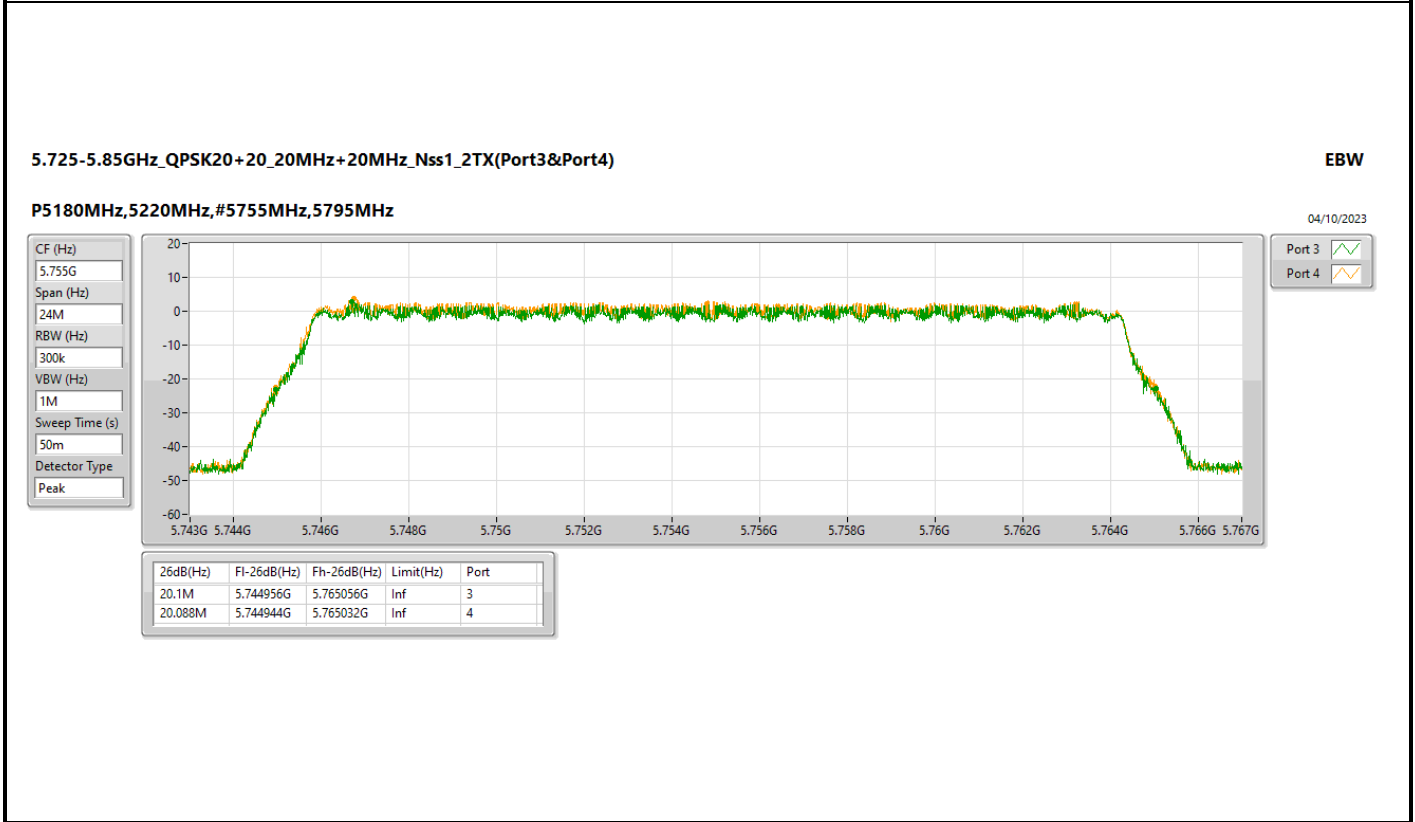
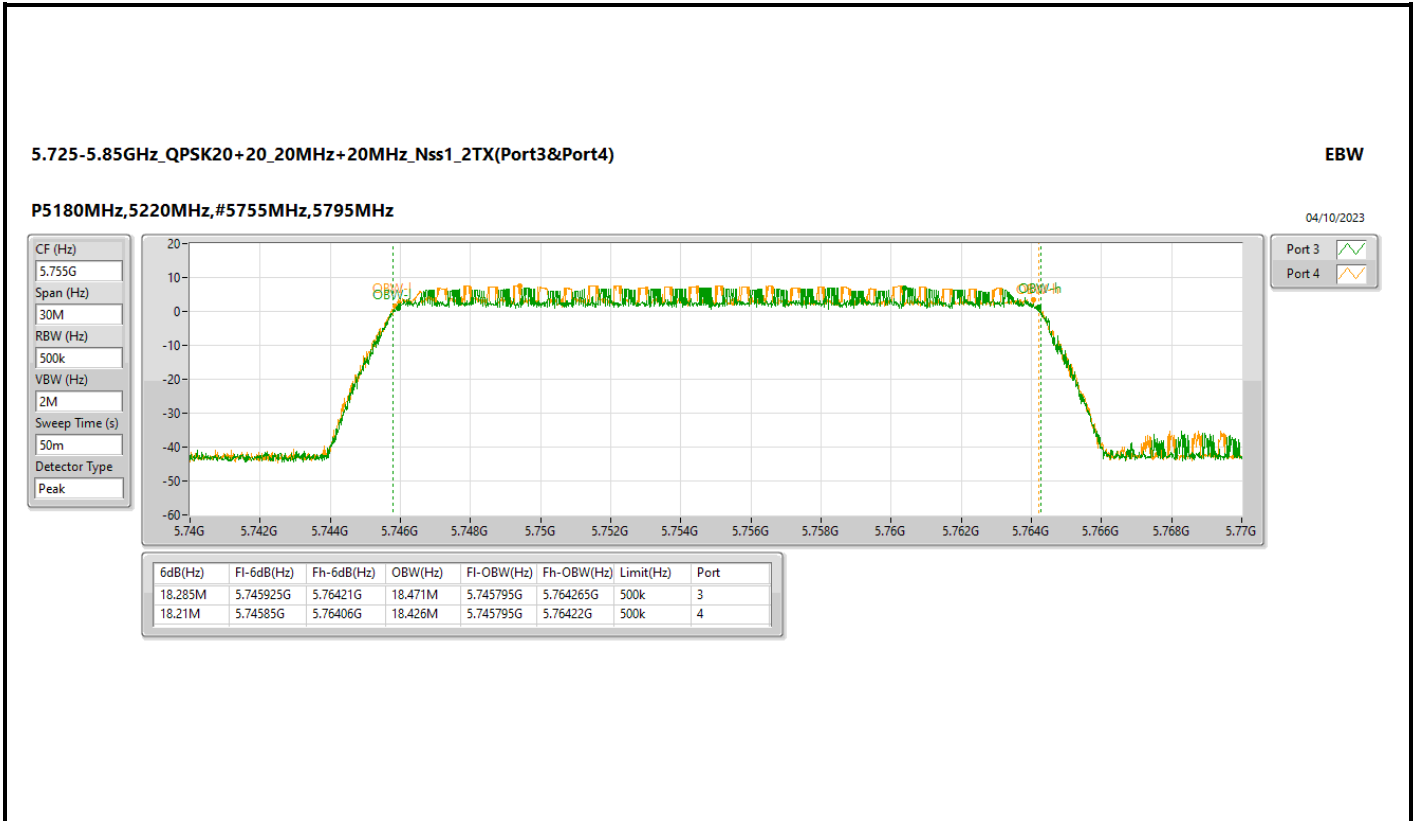


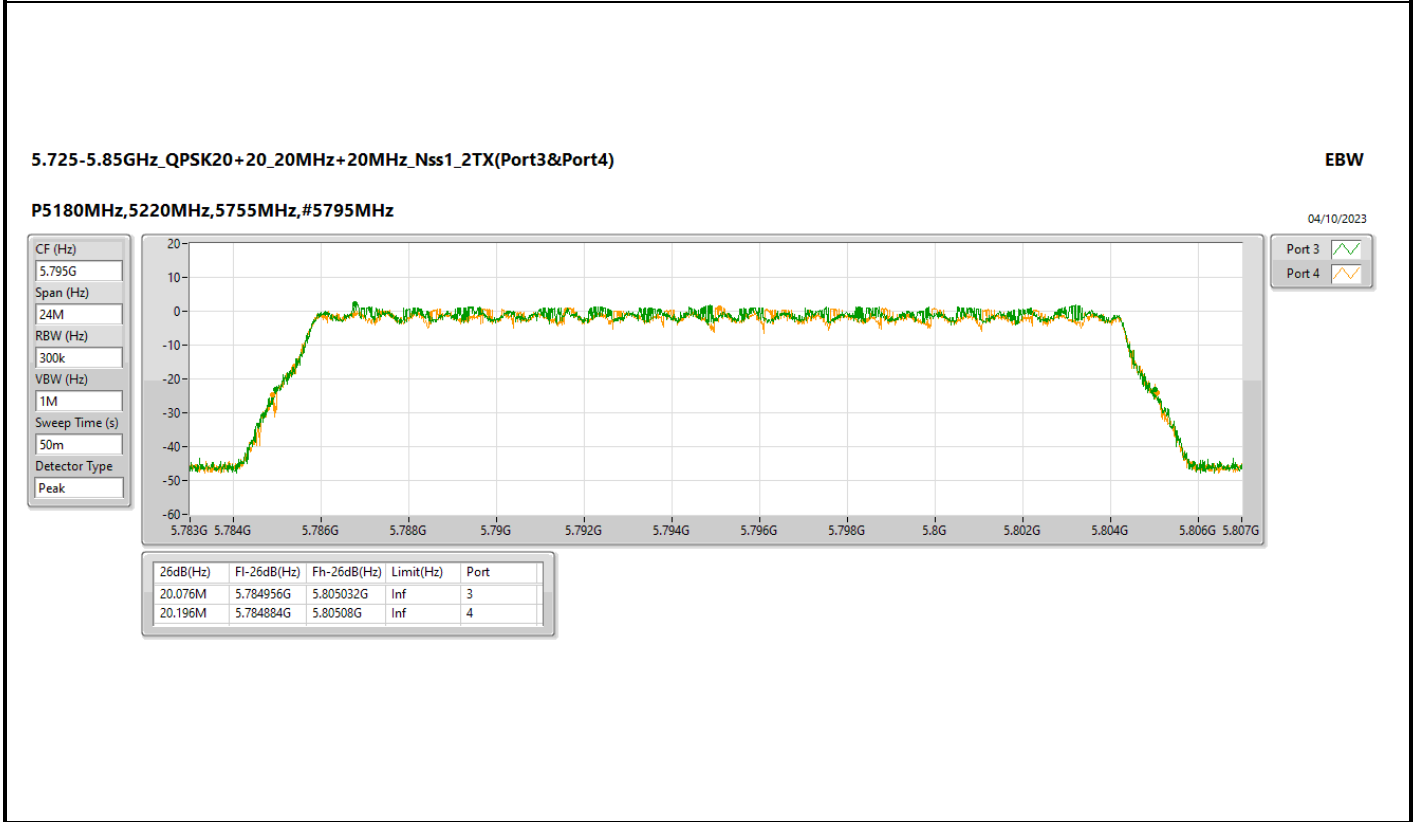
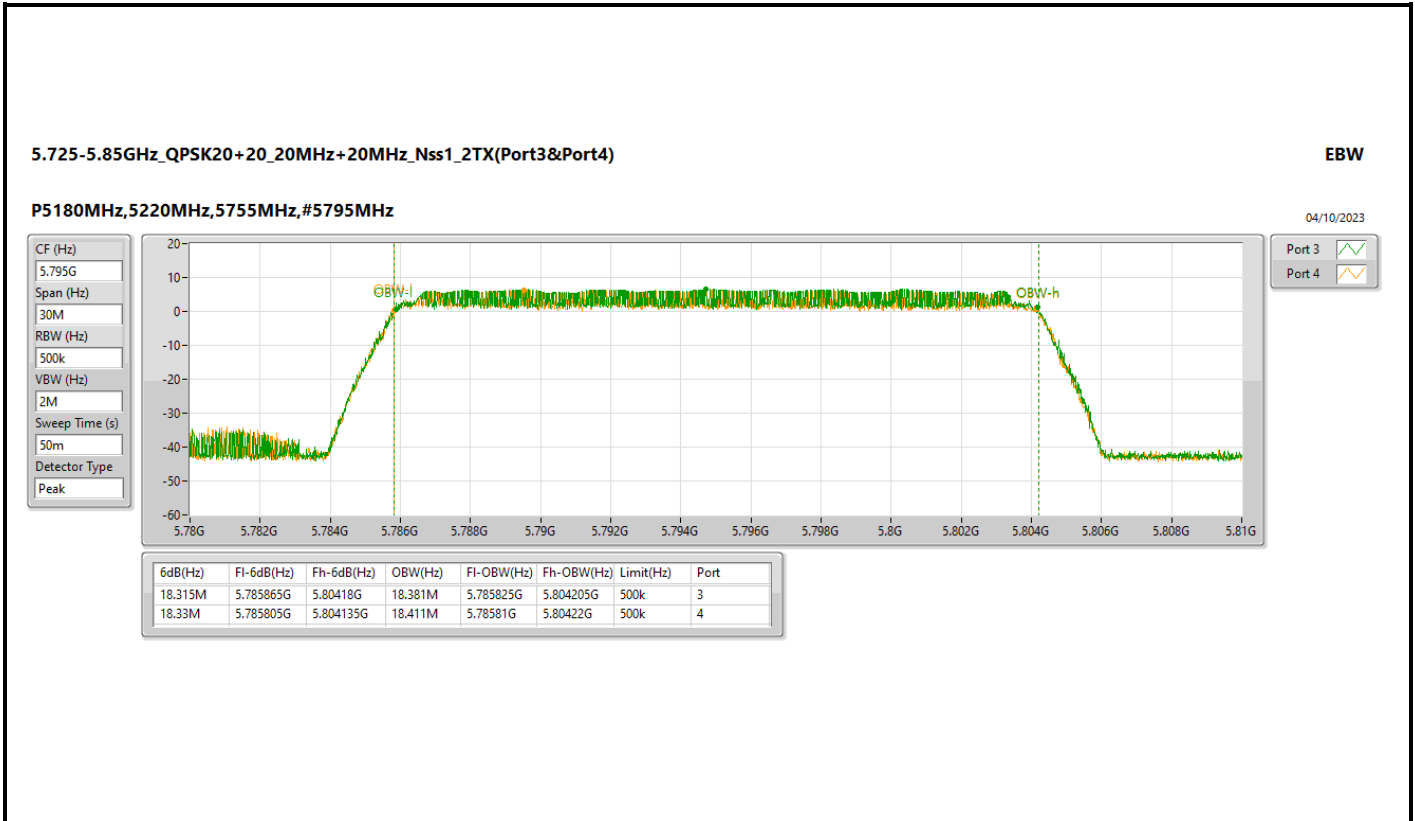
Result

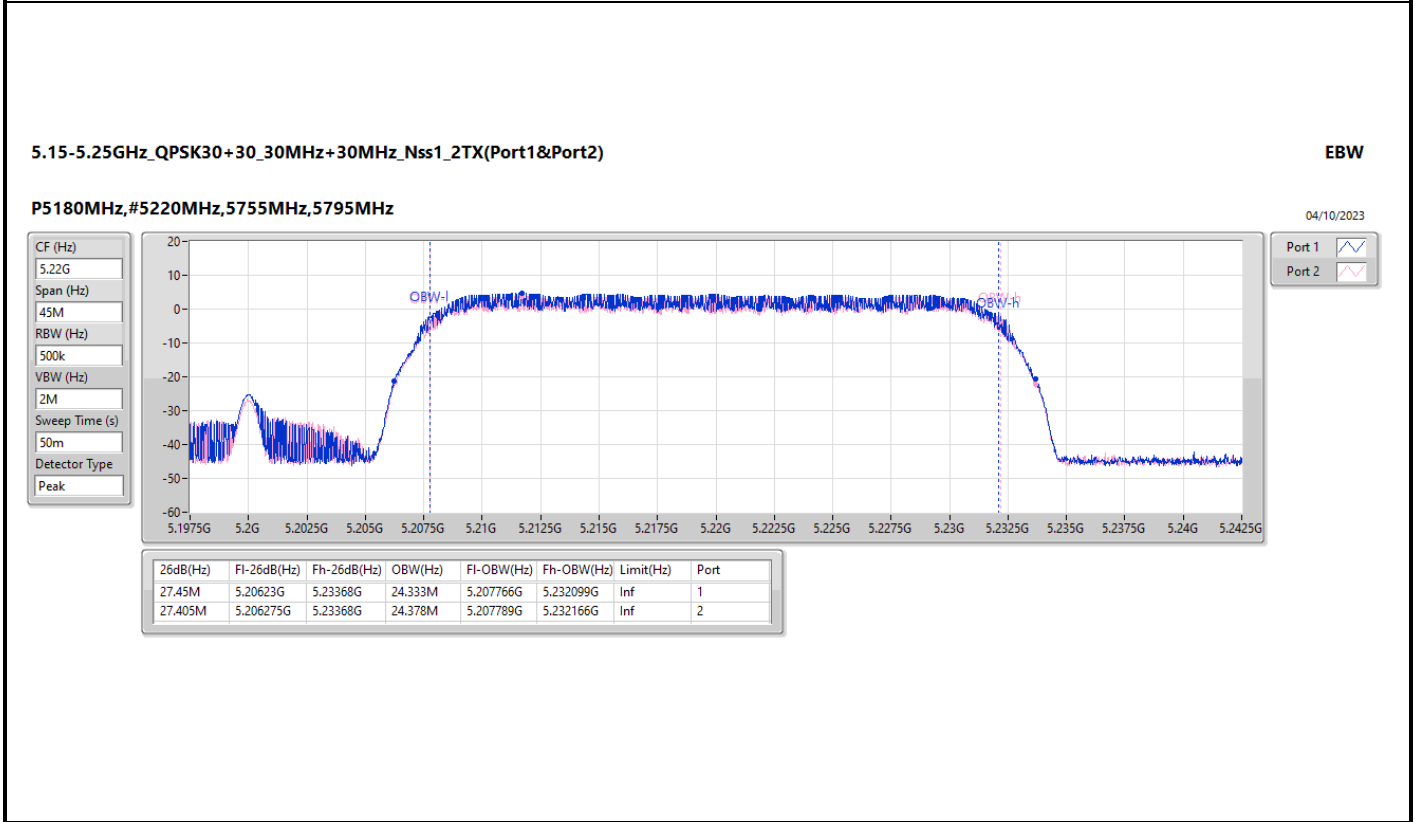
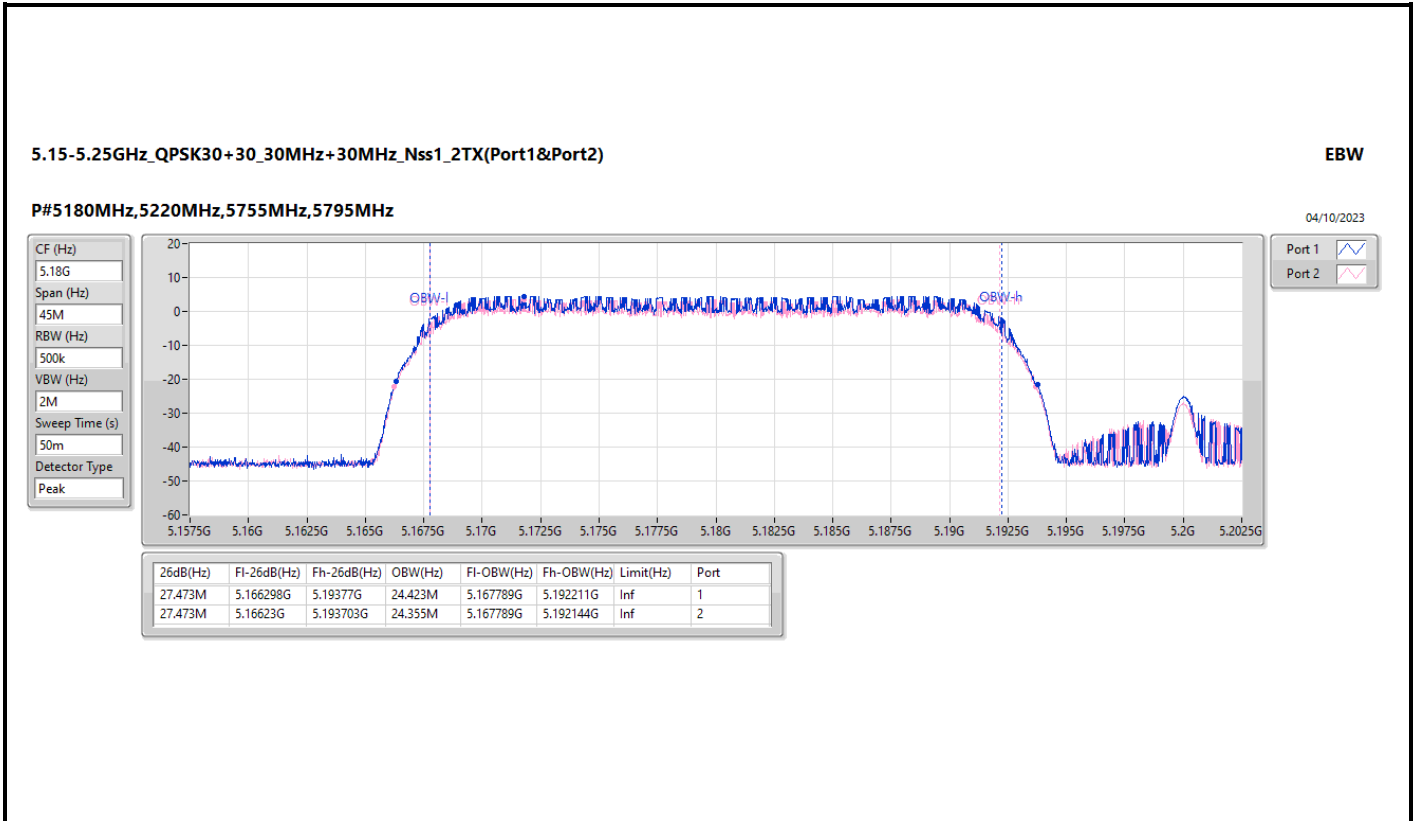
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
QPSK20+20_20MHz+20MHz_Nss1_2TX(Port1&Port2)	-	-	-	-	-	-	-	-	-	-
P#5180MHz,5220MHz,5755MHz,5795MHz	Pass	Inf	20.415M	18.411M	20.475M	18.441M	-	-	-	-
P5180MHz,#5220MHz,5755MHz,5795MHz	Pass	Inf	20.4M	18.426M	20.43M	18.441M	-	-	-	-
QPSK20+20_20MHz+20MHz_Nss1_2TX(Port3&Port4)	-	-	-	-	-	-	-	-	-	-
P5180MHz,5220MHz,#5755MHz,5795MHz	Pass	500k	-	-	-	-	18.285M	18.471M	18.21M	18.426M
P5180MHz,5220MHz,5755MHz,#5795MHz	Pass	500k	-	-	-	-	18.315M	18.381M	18.33M	18.411M
QPSK30+30_30MHz+30MHz_Nss1_2TX(Port1&Port2)	-	-	-	-	-	-	-	-	-	-
P#5180MHz,5220MHz,5755MHz,5795MHz	Pass	Inf	27.473M	24.423M	27.473M	24.355M	-	-	-	-
P5180MHz,#5220MHz,5755MHz,5795MHz	Pass	Inf	27.45M	24.333M	27.405M	24.378M	-	-	-	-
QPSK30+30_30MHz+30MHz_Nss1_2TX(Port3&Port4)	-	-	-	-	-	-	-	-	-	-
P5180MHz,5220MHz,#5755MHz,5795MHz	Pass	500k	-	-	-	-	23.85M	24.468M	24.008M	24.13M
P5180MHz,5220MHz,5755MHz,#5795MHz	Pass	500k	-	-	-	-	24.075M	24.378M	24.008M	24.468M
QPSK40+40_40MHz+40MHz_Nss1_2TX(Port1&Port2)	-	-	-	-	-	-	-	-	-	-
P#5175MHz,5225MHz,5750MHz,5800MHz	Pass	Inf	38.46M	35.622M	38.37M	35.562M	-	-	-	-
P5175MHz,#5225MHz,5750MHz,5800MHz	Pass	Inf	38.4M	35.532M	38.31M	35.532M	-	-	-	-
QPSK40+40_40MHz+40MHz_Nss1_2TX(Port3&Port4)	-	-	-	-	-	-	-	-	-	-
P5175MHz,5225MHz,#5750MHz,5800MHz	Pass	500k	-	-	-	-	35.1M	35.562M	35.16M	35.562M
P5175MHz,5225MHz,5750MHz,#5800MHz	Pass	500k	-	-	-	-	35.25M	35.562M	35.28M	35.502M

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



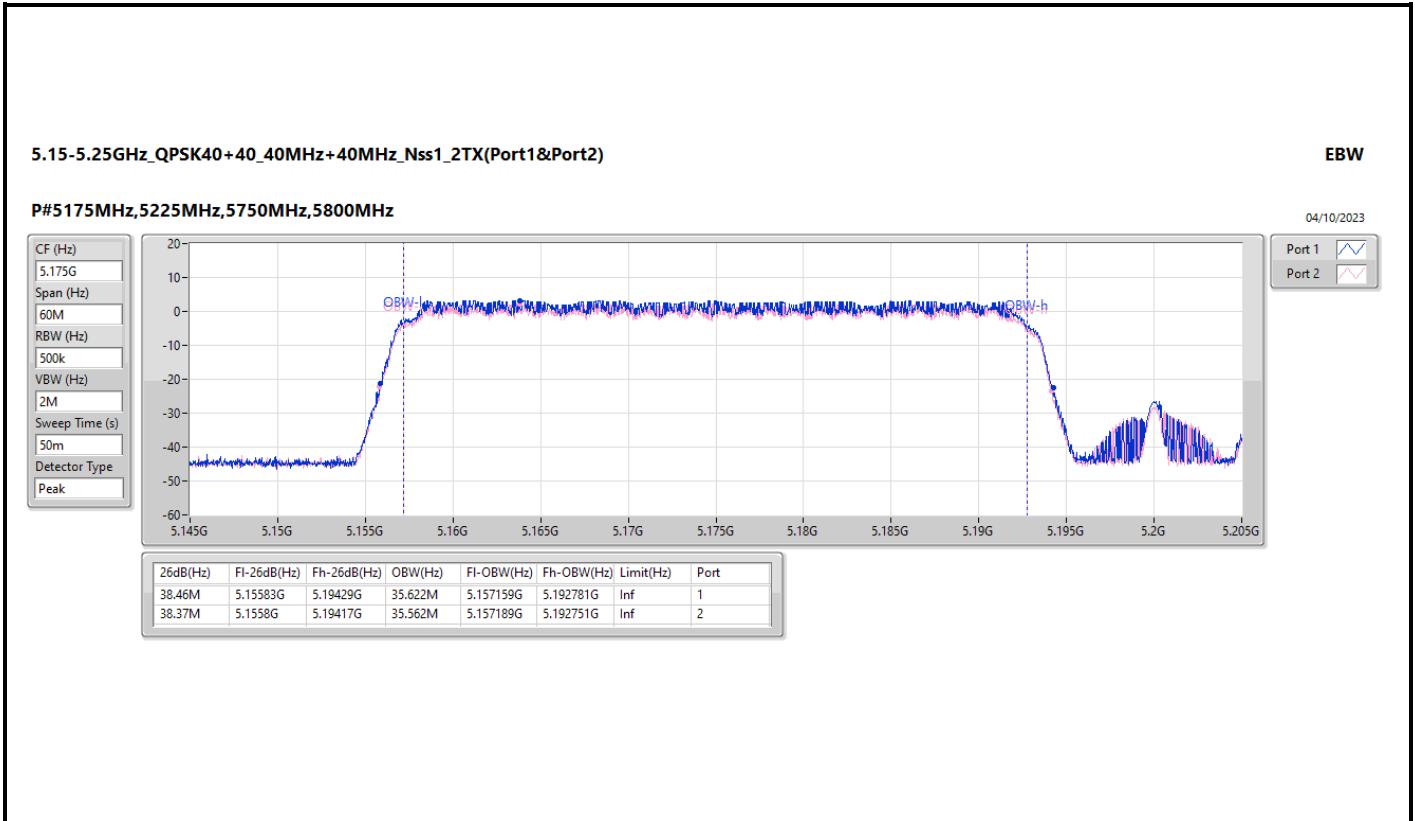


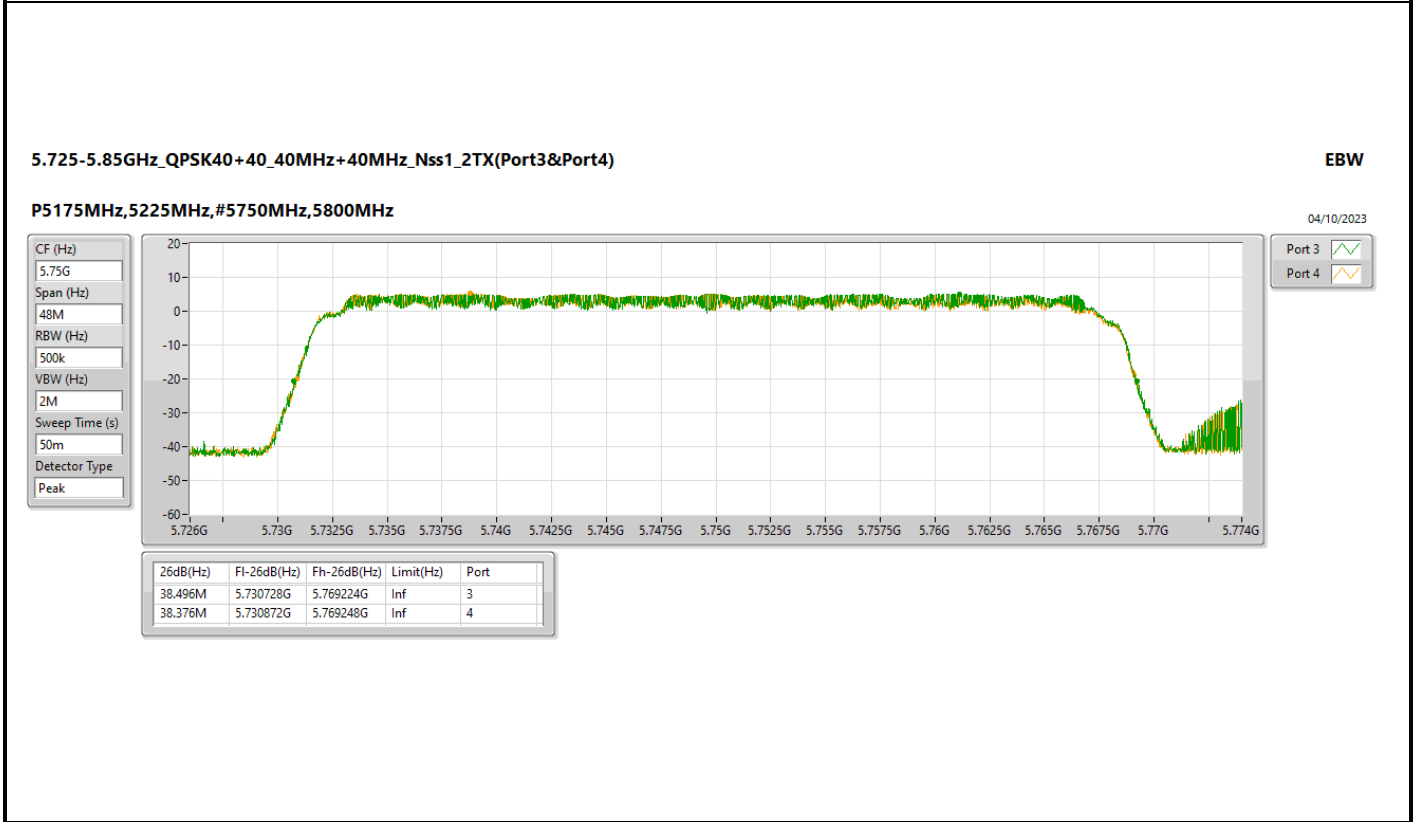
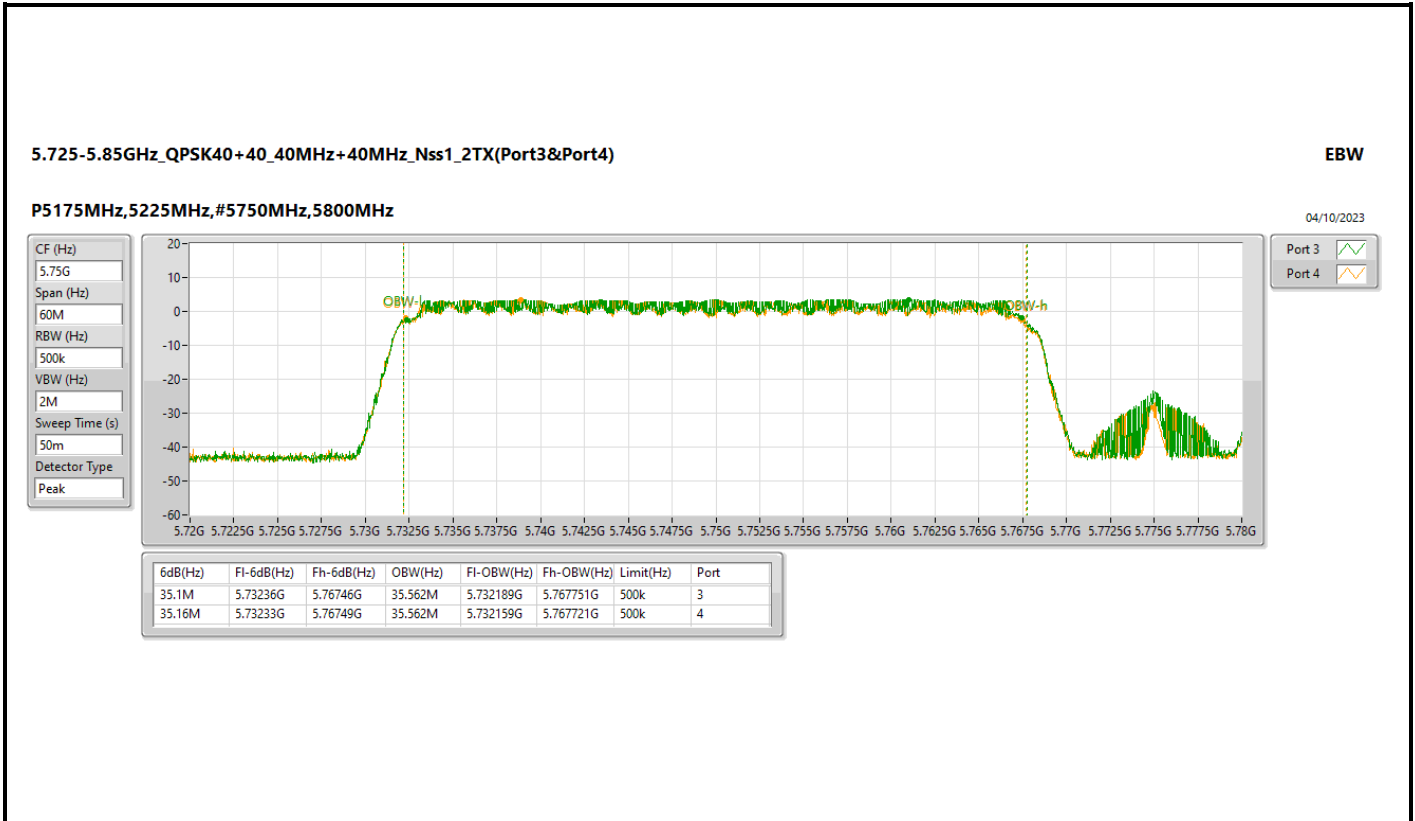


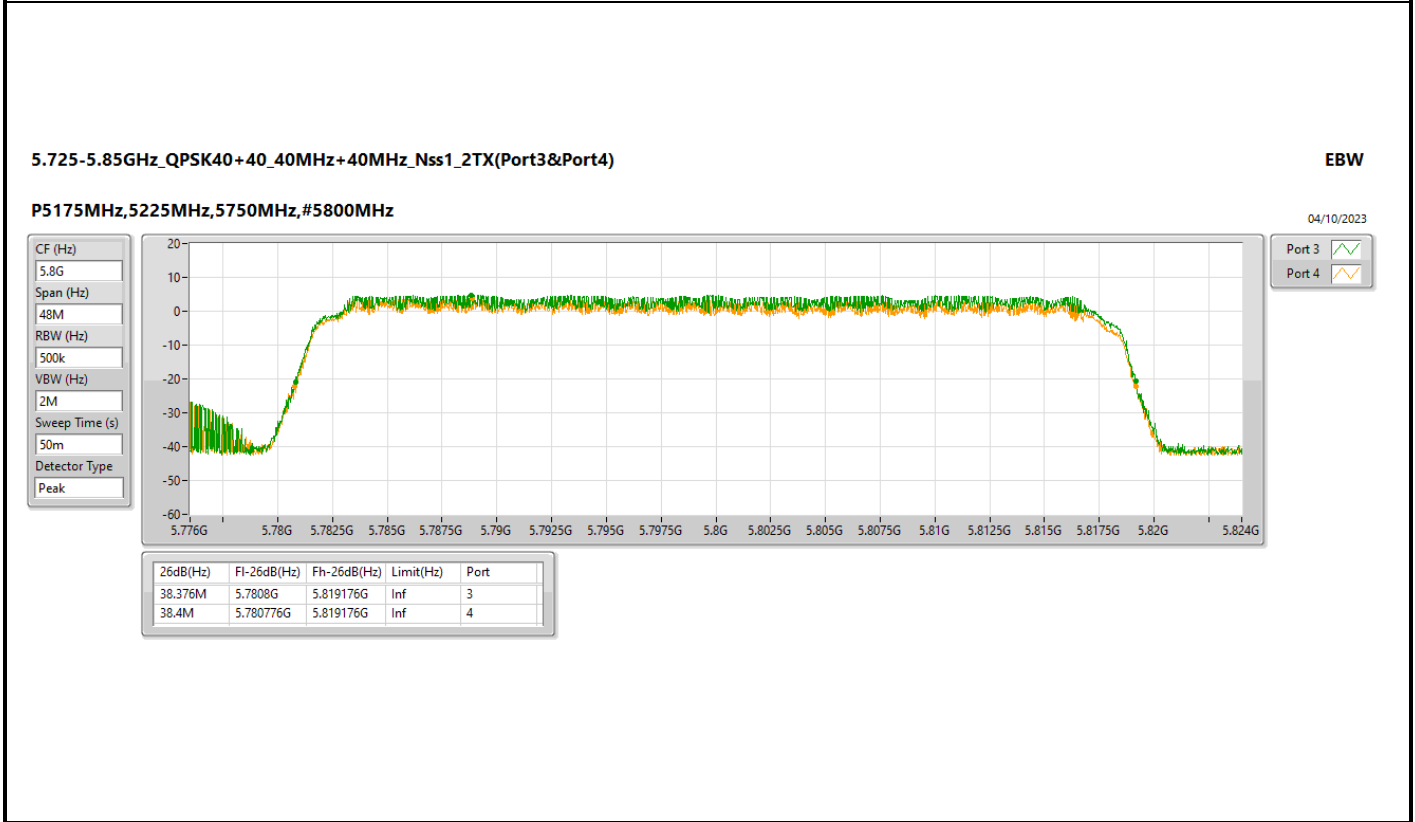
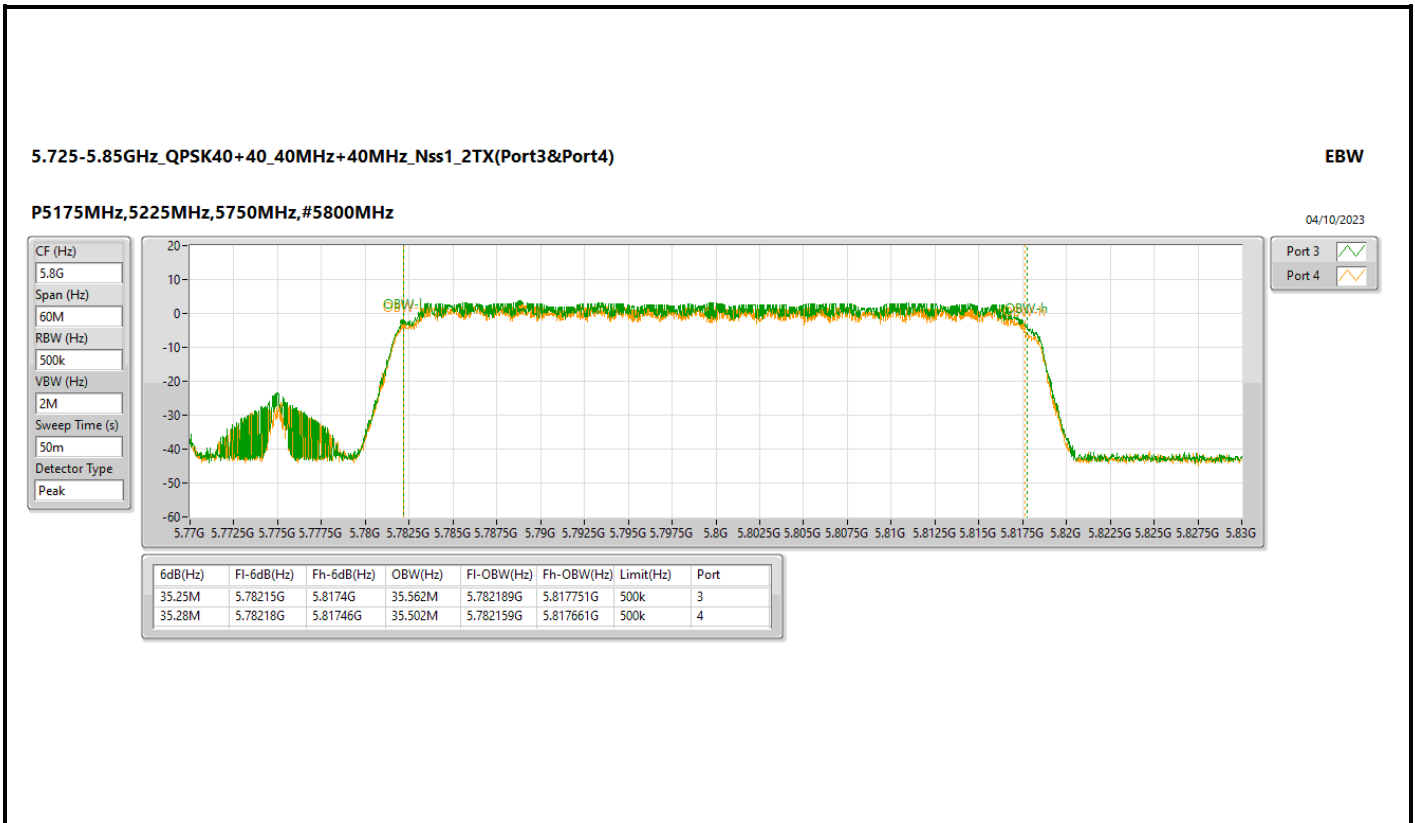














Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP / Elevation angle higher than 30° EIRP (dBm)	EIRP / Elevation angle higher than 30° EIRP (W)
5.15-5.25GHz	-	-	-	-
QPSK5_5MHz_Nss1_2TX	14.02	0.02523	29.98/12.07	0.99541/0.016106
QPSK10_10MHz_Nss1_2TX	17.31	0.05383	33.27/15.36	2.12324/0.034356
QPSK15_15MHz_Nss1_2TX	18.20	0.06607	34.16/16.25	2.60615/0.042170
QPSK20_20MHz_Nss1_2TX	19.71	0.09354	35.67/17.76	3.68978/0.059704
QPSK30_30MHz_Nss1_2TX	19.95	0.09886	35.91/18.00	3.89942/0.063096
QPSK40_40MHz_Nss1_2TX	19.97	0.09931	35.93/18.02	3.91742/0.063387
5.725-5.85GHz	-	-	-	-
QPSK5_5MHz_Nss1_2TX	19.73	0.09397	35.69	3.70681
QPSK10_10MHz_Nss1_2TX	19.98	0.09954	35.94	3.92645
QPSK15_15MHz_Nss1_2TX	19.61	0.09141	35.57	3.60579
QPSK20_20MHz_Nss1_2TX	20.01	0.10023	35.97	3.95367
QPSK30_30MHz_Nss1_2TX	19.85	0.09661	35.81	3.81066
QPSK40_40MHz_Nss1_2TX	19.73	0.09397	35.69	3.70681



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP / Elevation angle higher than 30° EIRP (dBm)	EIRP limit / Elevation angle higher than 30° EIRP limit (dBm)
QPSK5_5MHz_Nss1_2TX	-	-	-	-	-	-	-	-
5156MHz	Pass	15.962/-1.95	11.22	10.79	14.02	20.04	29.98/12.07	36.00/21.00
5200MHz	Pass	15.962/-1.95	11.36	10.58	14.00	20.04	29.96/12.05	36.00/21.00
5244MHz	Pass	15.962/-1.95	11.39	10.38	13.92	20.04	29.88/11.97	36.00/21.00
5731MHz	Pass	15.958	16.88	16.56	19.73	20.04	35.69	36.00
5787MHz	Pass	15.958	17.07	16.19	19.66	20.04	35.62	36.00
5844MHz	Pass	15.958	17.02	15.93	19.52	20.04	35.48	36.00
QPSK10_10MHz_Nss1_2TX	-	-	-	-	-	-	-	-
5155MHz	Pass	15.962/-1.95	-2.33	-1.75	0.98	20.04	16.94/-0.97	36.00/21.00
5200MHz	Pass	15.962/-1.95	14.72	13.83	17.31	20.04	33.27/15.36	36.00/21.00
5245MHz	Pass	15.962/-1.95	14.76	13.60	17.23	20.04	33.19/15.28	36.00/21.00
5730MHz	Pass	15.958	17.06	16.88	19.98	20.04	35.94	36.00
5787MHz	Pass	15.958	17.05	16.78	19.93	20.04	35.89	36.00
5845MHz	Pass	15.958	17.20	16.31	19.79	20.04	35.75	36.00
QPSK15_15MHz_Nss1_2TX	-	-	-	-	-	-	-	-
5158MHz	Pass	15.962/-1.95	-0.83	-0.62	2.29	20.04	18.25/0.34	36.00/21.00
5200MHz	Pass	15.962/-1.95	15.44	14.63	18.06	20.04	34.02/16.11	36.00/21.00
5242MHz	Pass	15.962/-1.95	15.68	14.63	18.20	20.04	34.16/16.25	36.00/21.00
5733MHz	Pass	15.958	16.12	16.95	19.57	20.04	35.53	36.00
5787MHz	Pass	15.958	16.78	16.41	19.61	20.04	35.57	36.00
5842MHz	Pass	15.958	17.05	15.96	19.55	20.04	35.51	36.00
QPSK20_20MHz_Nss1_2TX	-	-	-	-	-	-	-	-
5160MHz	Pass	15.962/-1.95	-3.60	-3.17	-0.37	20.04	15.59/-2.32	36.00/21.00
5200MHz	Pass	15.962/-1.95	17.16	16.18	19.71	20.04	35.67/17.76	36.00/21.00
5240MHz	Pass	15.962/-1.95	17.11	16.06	19.63	20.04	35.59/17.68	36.00/21.00
5735MHz	Pass	15.958	16.90	17.10	20.01	20.04	35.97	36.00
5785MHz	Pass	15.958	17.10	16.68	19.91	20.04	35.87	36.00
5840MHz	Pass	15.958	17.61	16.16	19.96	20.04	35.92	36.00
QPSK30_30MHz_Nss1_2TX	-	-	-	-	-	-	-	-
5165MHz	Pass	15.962/-1.95	13.73	13.44	16.60	20.04	32.56/14.65	36.00/21.00
5200MHz	Pass	15.962/-1.95	15.39	14.62	18.03	20.04	33.99/16.08	36.00/21.00
5235MHz	Pass	15.962/-1.95	17.40	16.43	19.95	20.04	35.91/18.00	36.00/21.00
5740MHz	Pass	15.958	16.37	16.97	19.69	20.04	35.65	36.00
5787MHz	Pass	15.958	16.98	16.70	19.85	20.04	35.81	36.00
5835MHz	Pass	15.958	17.24	16.11	19.72	20.04	35.68	36.00
QPSK40_40MHz_Nss1_2TX	-	-	-	-	-	-	-	-
5170MHz	Pass	15.962/-1.95	0.07	0.43	3.26	20.04	19.22/1.31	36.00/21.00
5200MHz	Pass	15.962/-1.95	17.30	16.58	19.97	20.04	35.93/18.02	36.00/21.00
5230MHz	Pass	15.962/-1.95	17.18	16.24	19.75	20.04	35.71/17.80	36.00/21.00
5745MHz	Pass	15.958	16.55	16.88	19.73	20.04	35.69	36.00
5775MHz	Pass	15.958	16.58	16.55	19.58	20.04	35.54	36.00
5830MHz	Pass	15.958	17.20	15.91	19.61	20.04	35.57	36.00

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



Summary

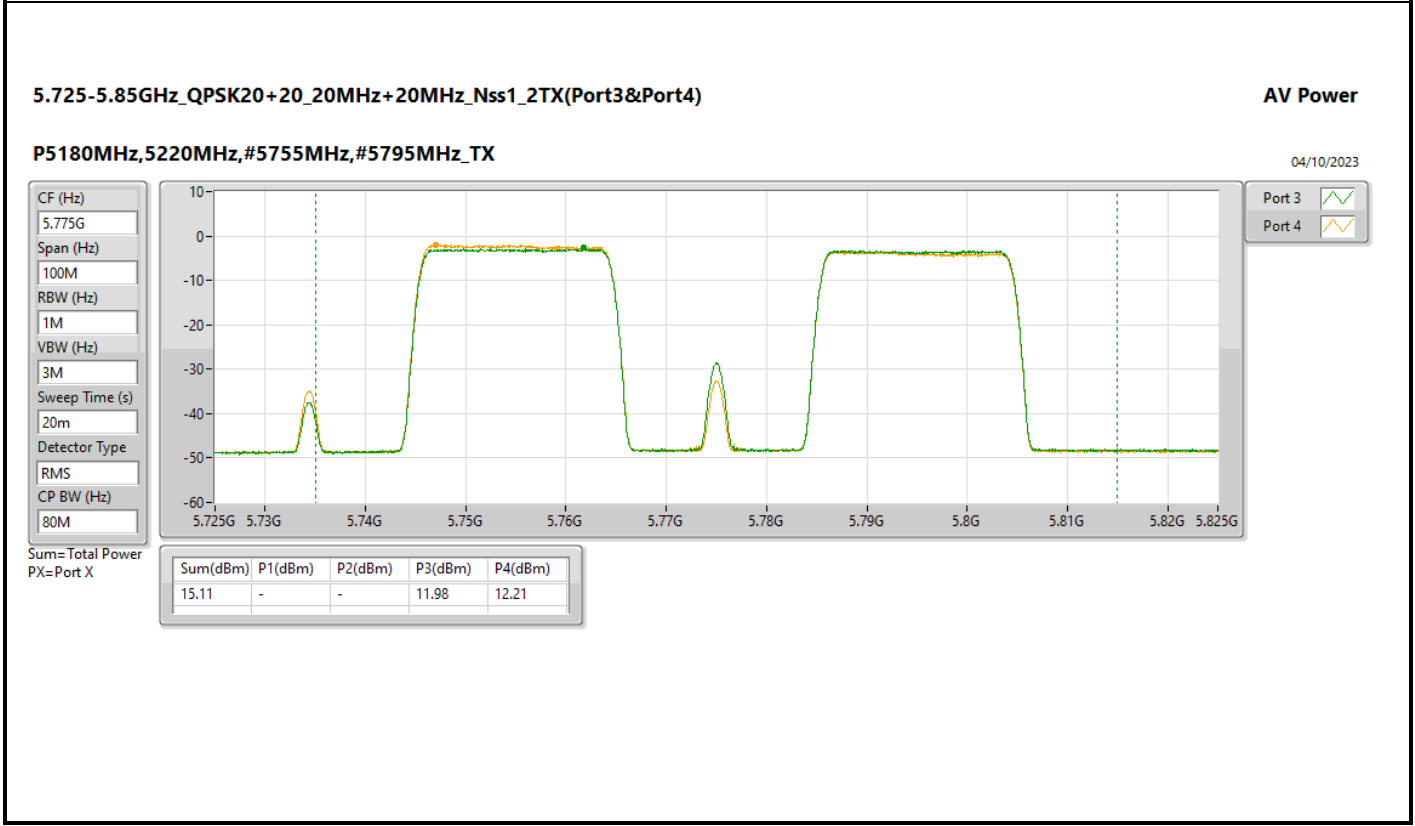
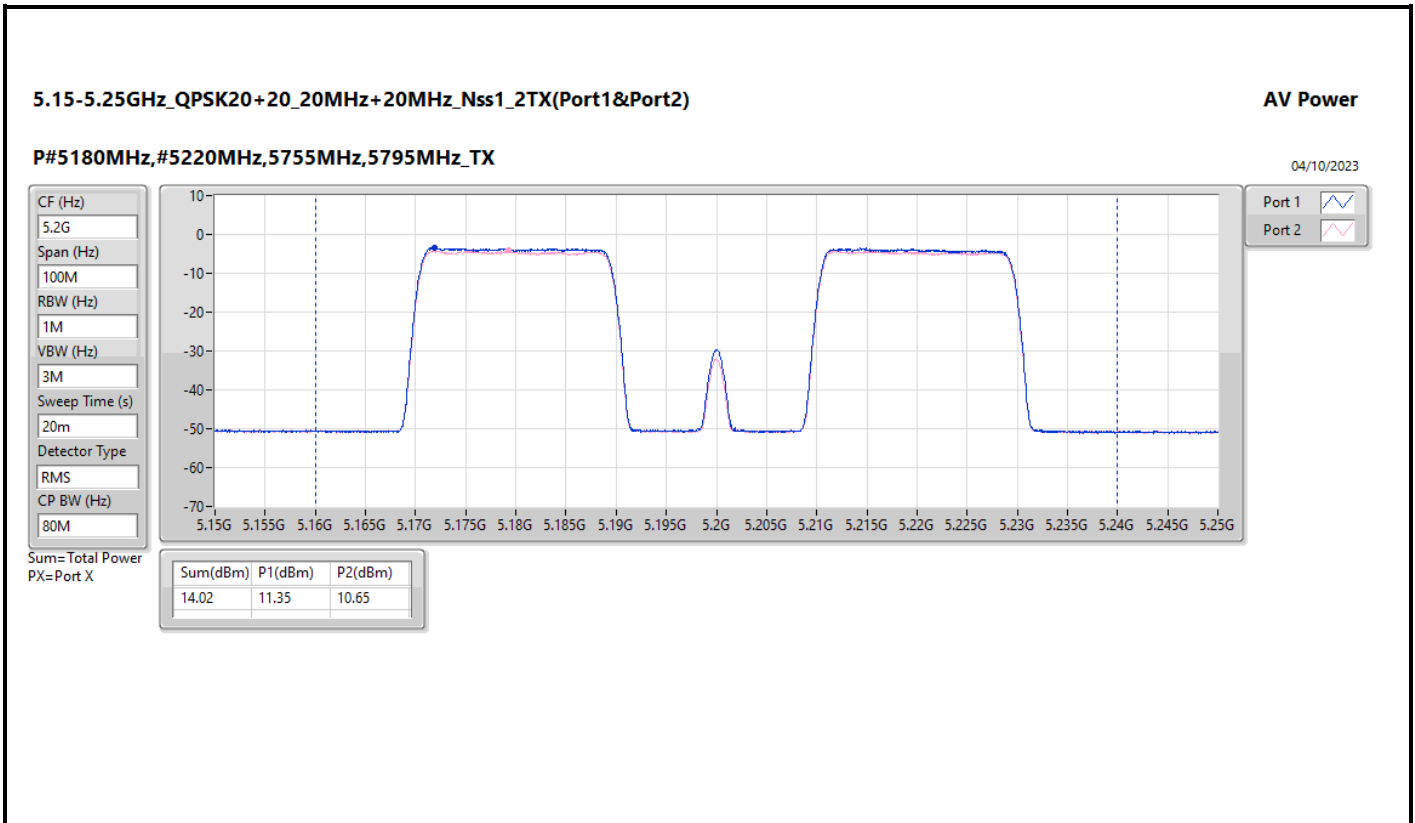
Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
QPSK20+20_20MHz+20MHz_Nss1_2TX(Port1&Port2)	14.02	0.02523	29.98/12.07	0.99541/0.016106
QPSK30+30_30MHz+30MHz_Nss1_2TX(Port1&Port2)	14.31	0.02698	30.27/12.36	1.06414/0.017219
QPSK40+40_40MHz+40MHz_Nss1_2TX(Port1&Port2)	15.76	0.03767	31.72/13.81	1.48594/0.024044
5.725-5.85GHz	-	-	-	-
QPSK20+20_20MHz+20MHz_Nss1_2TX(Port3&Port4)	15.11	0.03243	31.07	1.27938
QPSK30+30_30MHz+30MHz_Nss1_2TX(Port3&Port4)	14.60	0.02884	30.56	1.13763
QPSK40+40_40MHz+40MHz_Nss1_2TX(Port3&Port4)	16.03	0.04009	31.99	1.58125

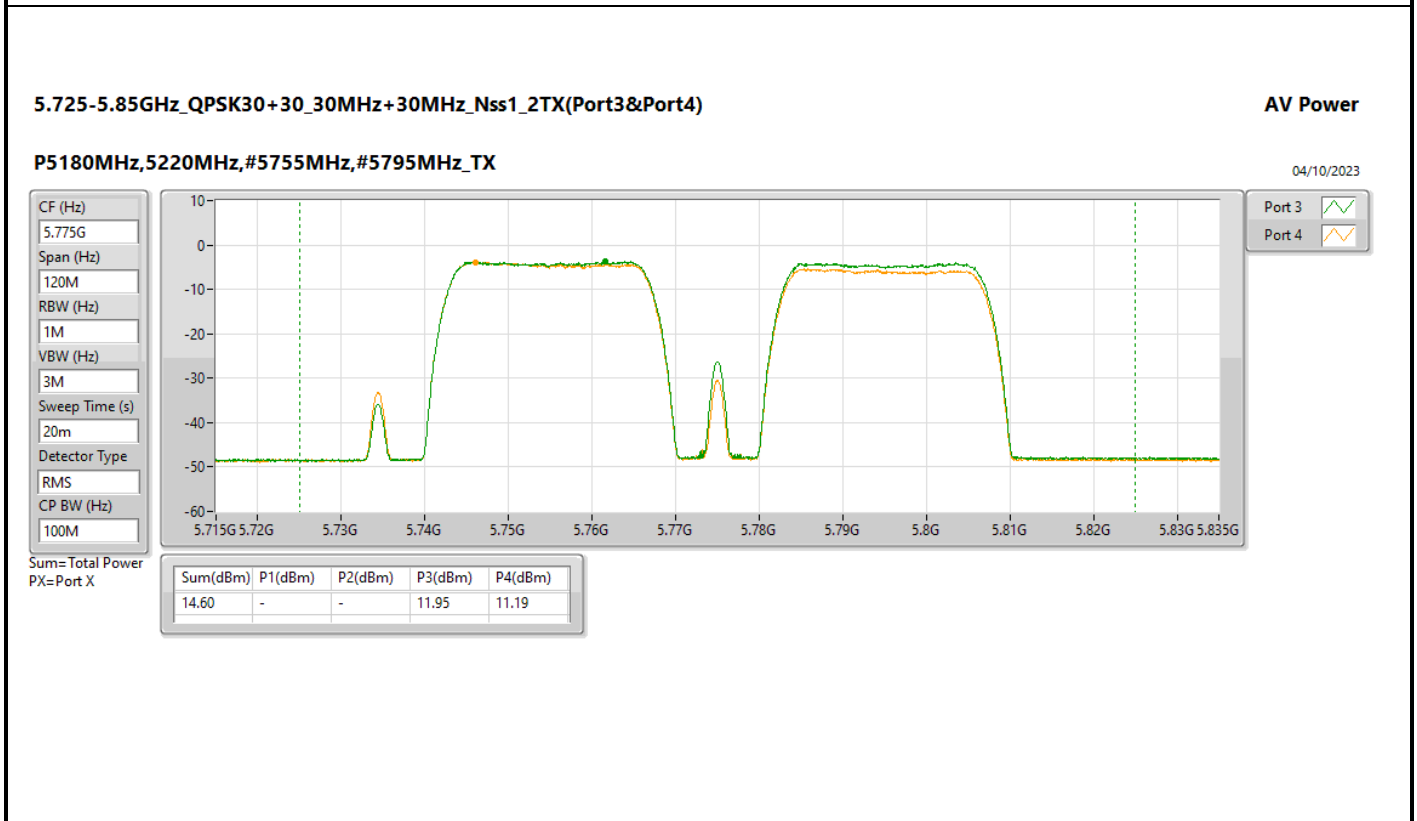
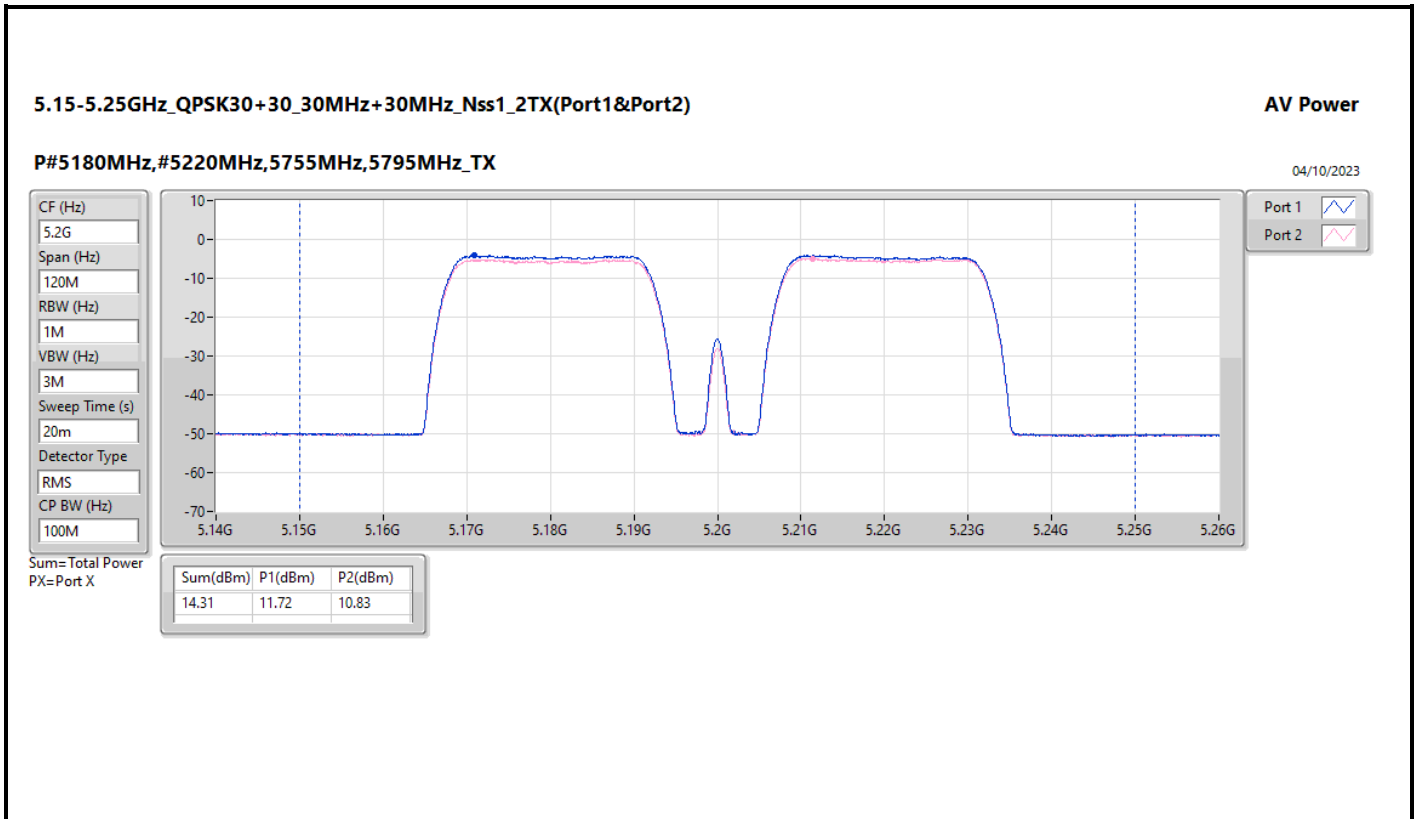


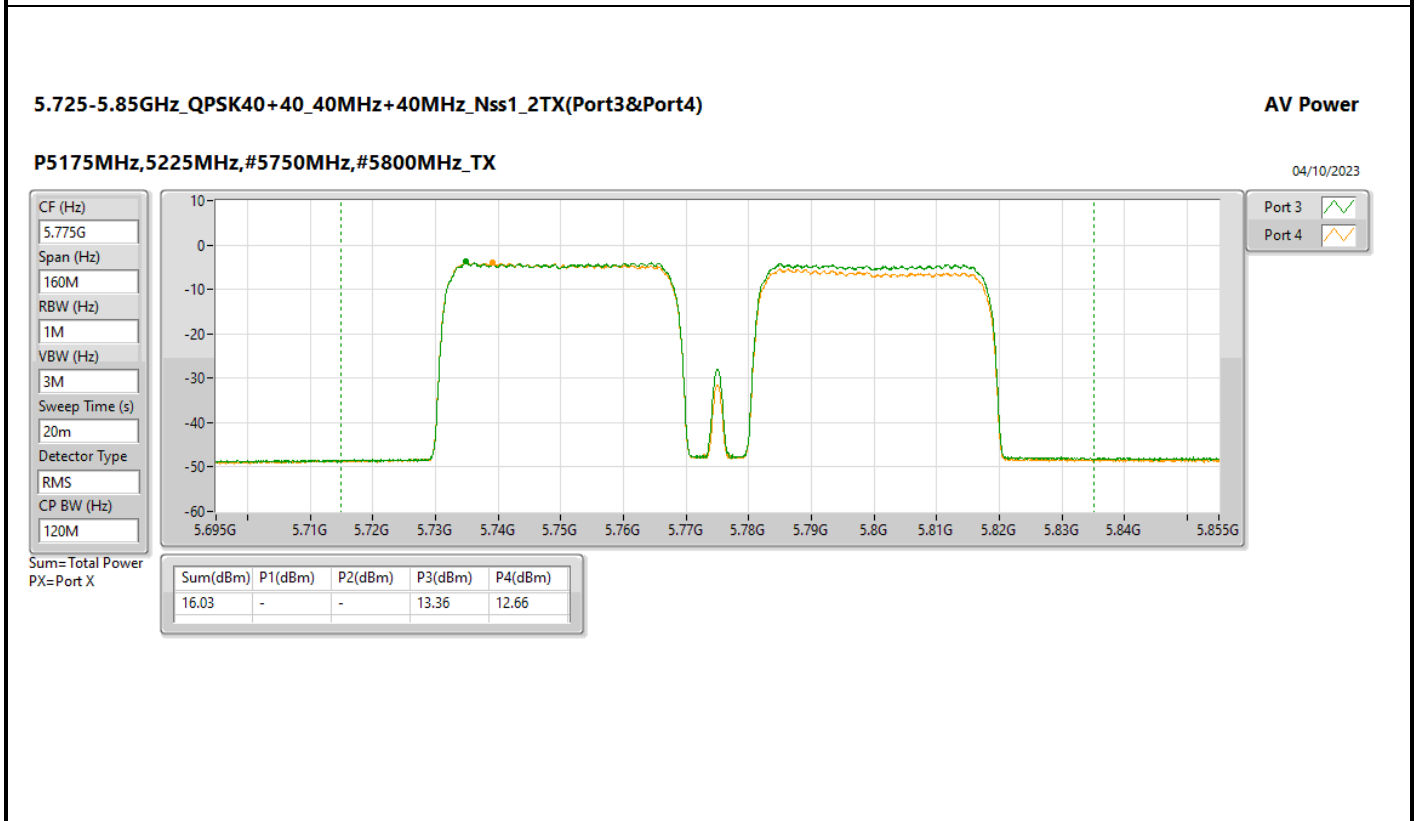
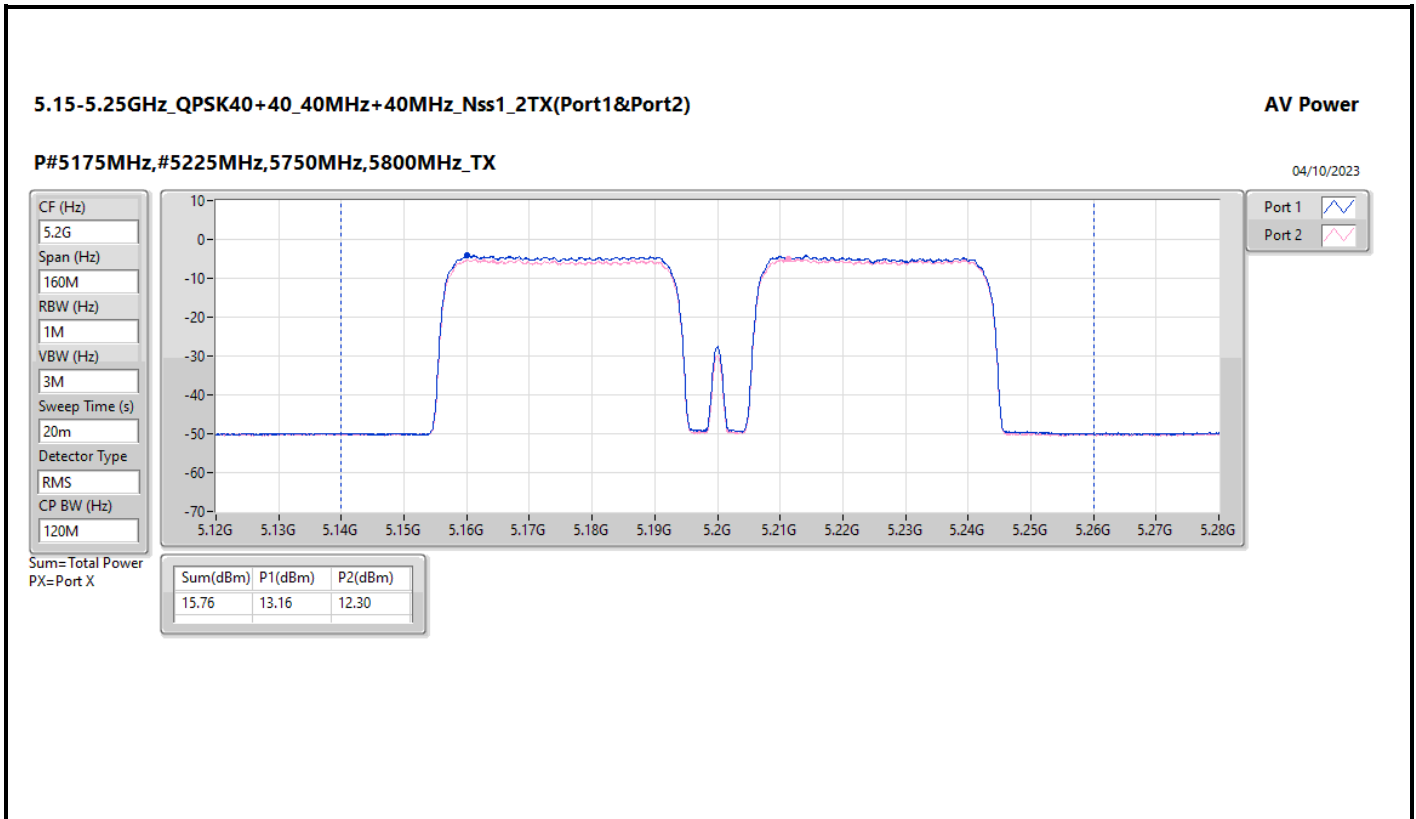
Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
QPSK20+20_20MHz+20MHz_Nss1_2TX(Port1&Port2)	-	-	-	-	-	-	-	-	-	-
P#5180MHz,#5220MHz,5755MHz,5795MHz	Pass	15.962/-1.95	11.35	10.65	-	-	14.02	20.04	29.98/12.07	Inf /21.00
QPSK20+20_20MHz+20MHz_Nss1_2TX(Port3&Port4)	-	-	-	-	-	-	-	-	-	-
P5180MHz,5220MHz,#5755MHz,#5795MHz	Pass	15.958	-	-	11.98	12.21	15.11	20.04	31.07	Inf
QPSK30+30_30MHz+30MHz_Nss1_2TX(Port1&Port2)	-	-	-	-	-	-	-	-	-	-
P#5180MHz,#5220MHz,5755MHz,5795MHz	Pass	15.962/-1.95	11.72	10.83	-	-	14.31	20.04	30.27/12.36	Inf /21.00
QPSK30+30_30MHz+30MHz_Nss1_2TX(Port3&Port4)	-	-	-	-	-	-	-	-	-	-
P5180MHz,5220MHz,#5755MHz,#5795MHz	Pass	15.958	-	-	11.95	11.19	14.60	20.04	30.56	Inf
QPSK40+40_40MHz+40MHz_Nss1_2TX(Port1&Port2)	-	-	-	-	-	-	-	-	-	-
P#5175MHz,#5225MHz,5750MHz,5800MHz	Pass	15.962/-1.95	13.16	12.30	-	-	15.76	20.04	31.72/13.81	Inf /21.00
QPSK40+40_40MHz+40MHz_Nss1_2TX(Port3&Port4)	-	-	-	-	-	-	-	-	-	-
P5175MHz,5225MHz,#5750MHz,#5800MHz	Pass	15.958	-	-	13.36	12.66	16.03	20.04	31.99	Inf

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









Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
QPSK5_5MHz_Nss1_2TX	6.85
QPSK10_10MHz_Nss1_2TX	6.98
QPSK15_15MHz_Nss1_2TX	6.99
QPSK20_20MHz_Nss1_2TX	6.92
QPSK30_30MHz_Nss1_2TX	6.82
QPSK40_40MHz_Nss1_2TX	5.90
5.725-5.85GHz	-
QPSK5_5MHz_Nss1_2TX	10.69
QPSK10_10MHz_Nss1_2TX	8.03
QPSK15_15MHz_Nss1_2TX	6.50
QPSK20_20MHz_Nss1_2TX	5.27
QPSK30_30MHz_Nss1_2TX	4.66
QPSK40_40MHz_Nss1_2TX	3.19

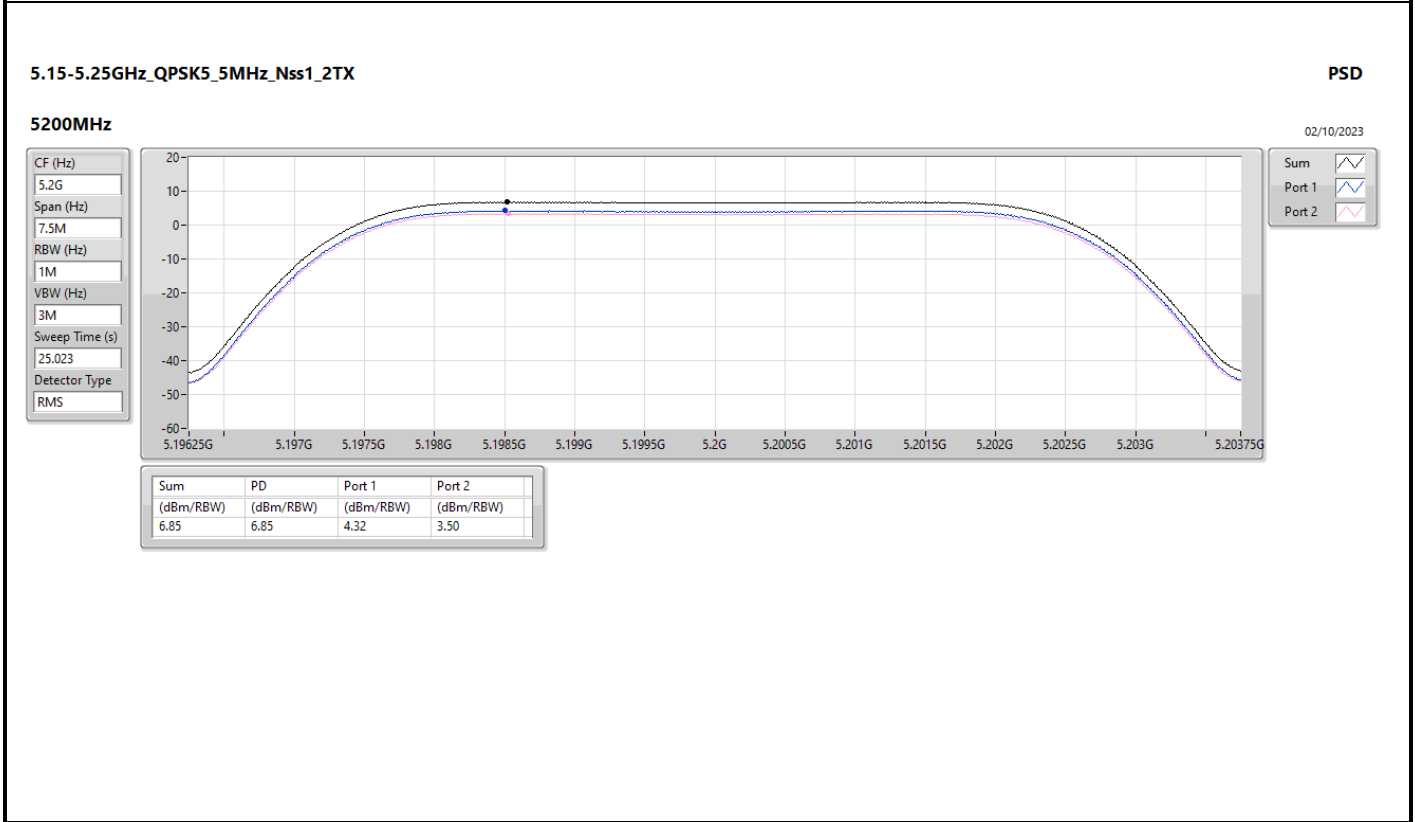
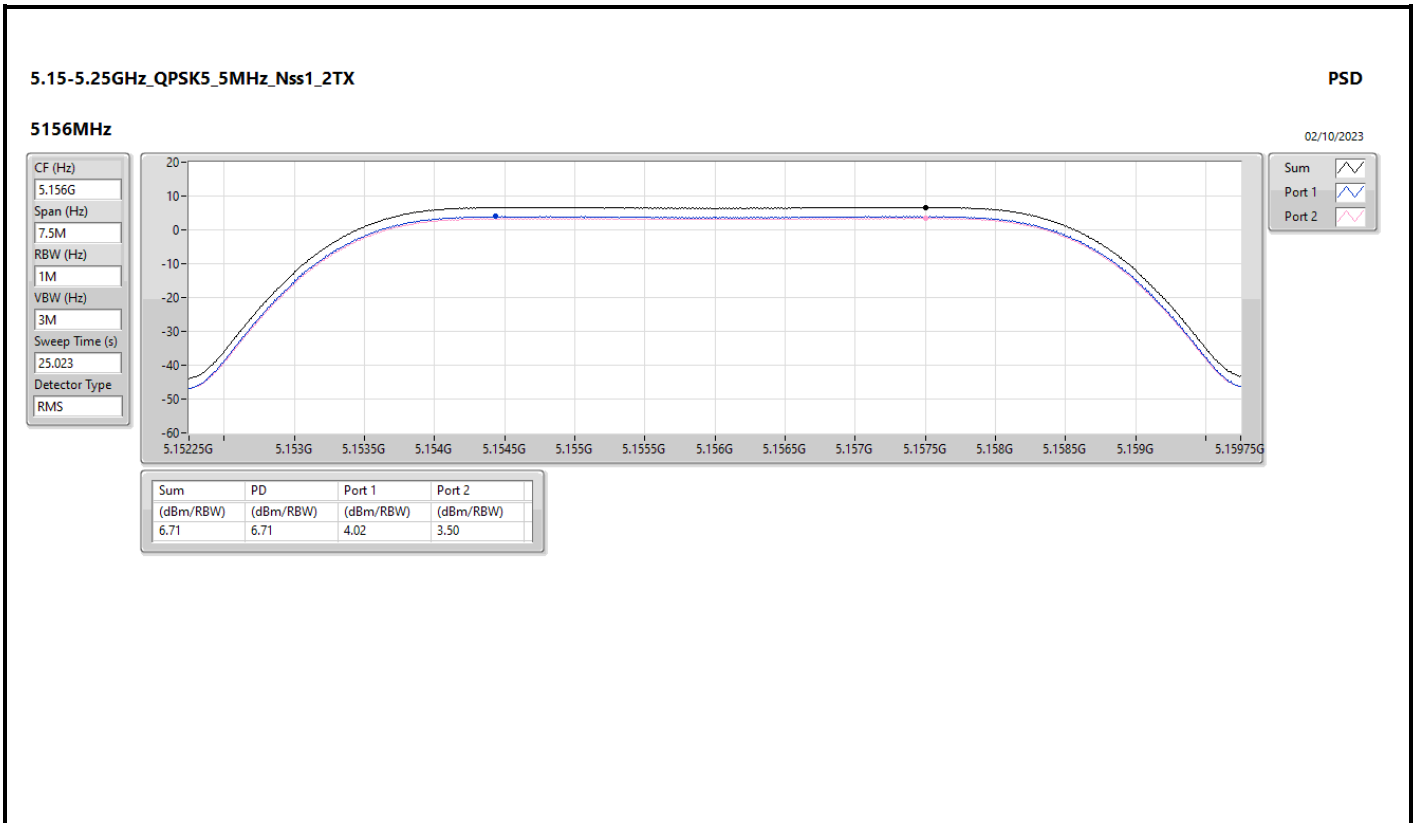
RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

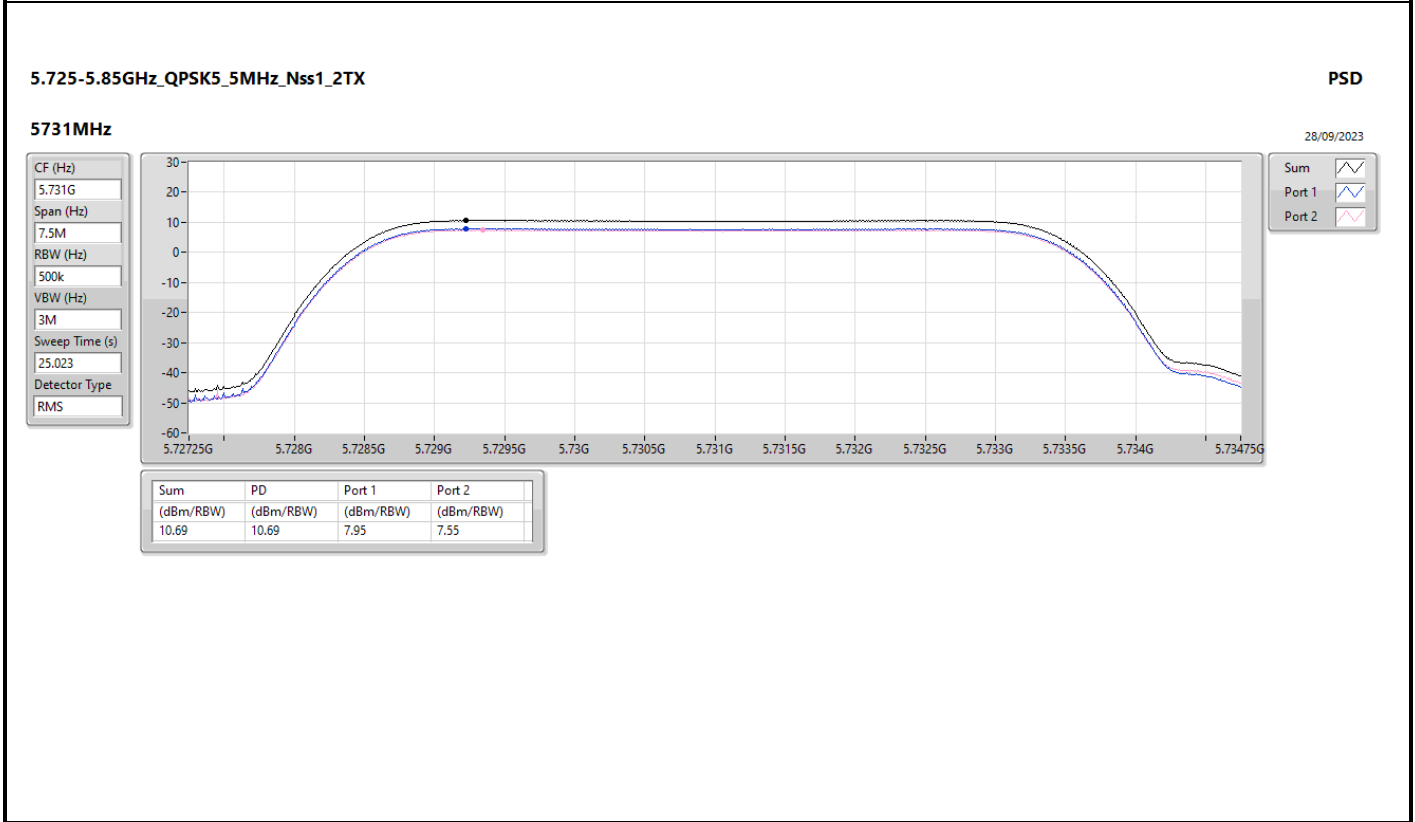
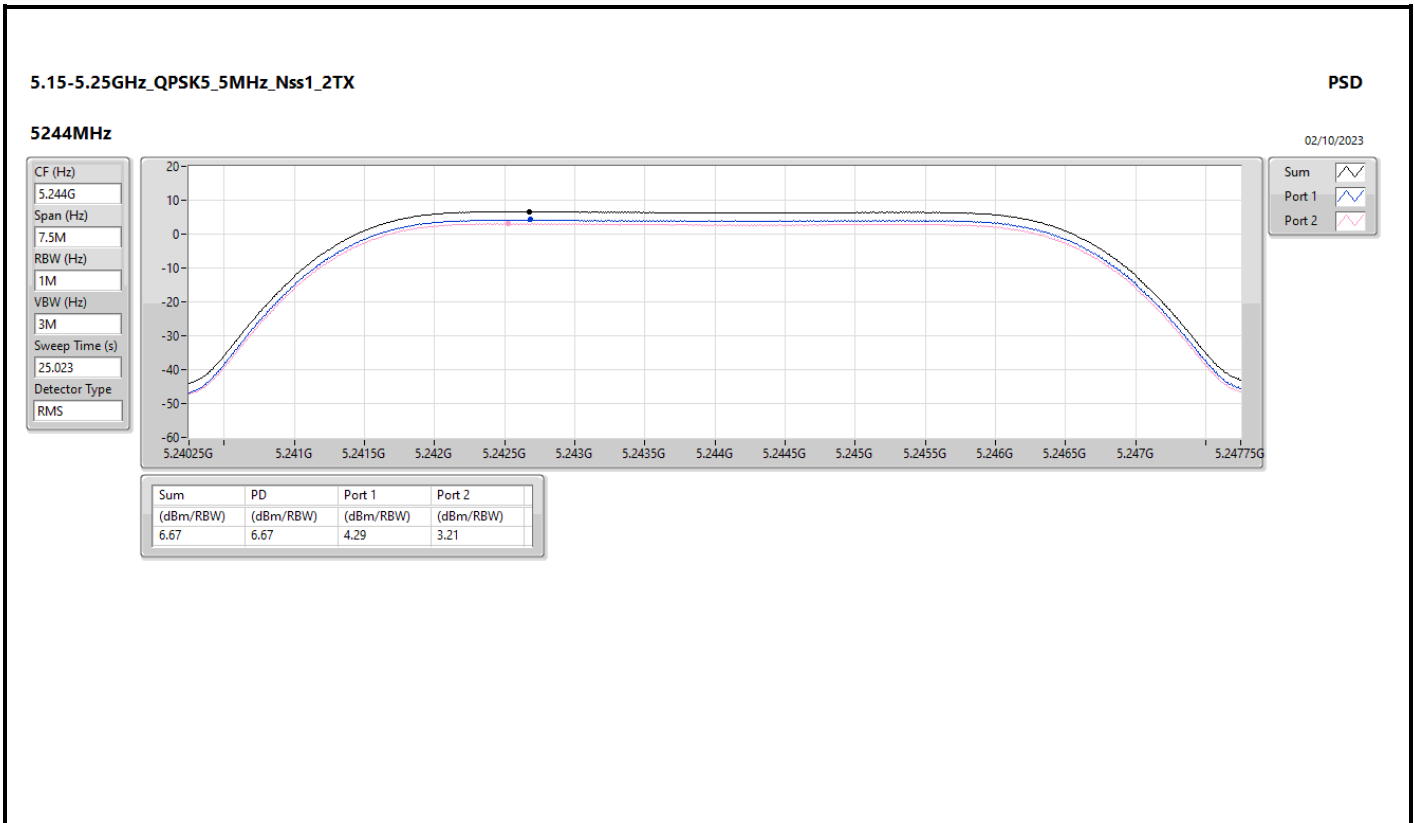


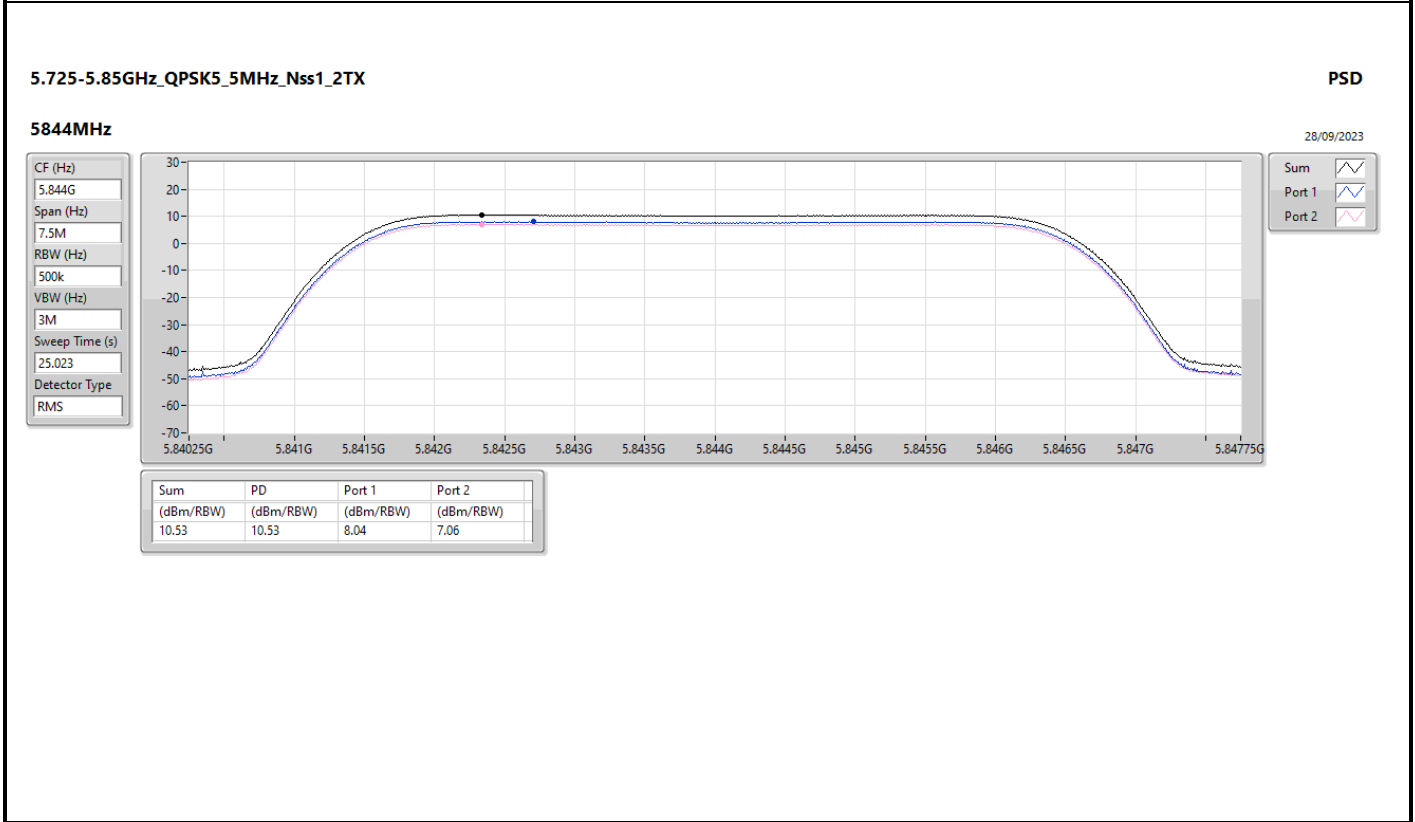
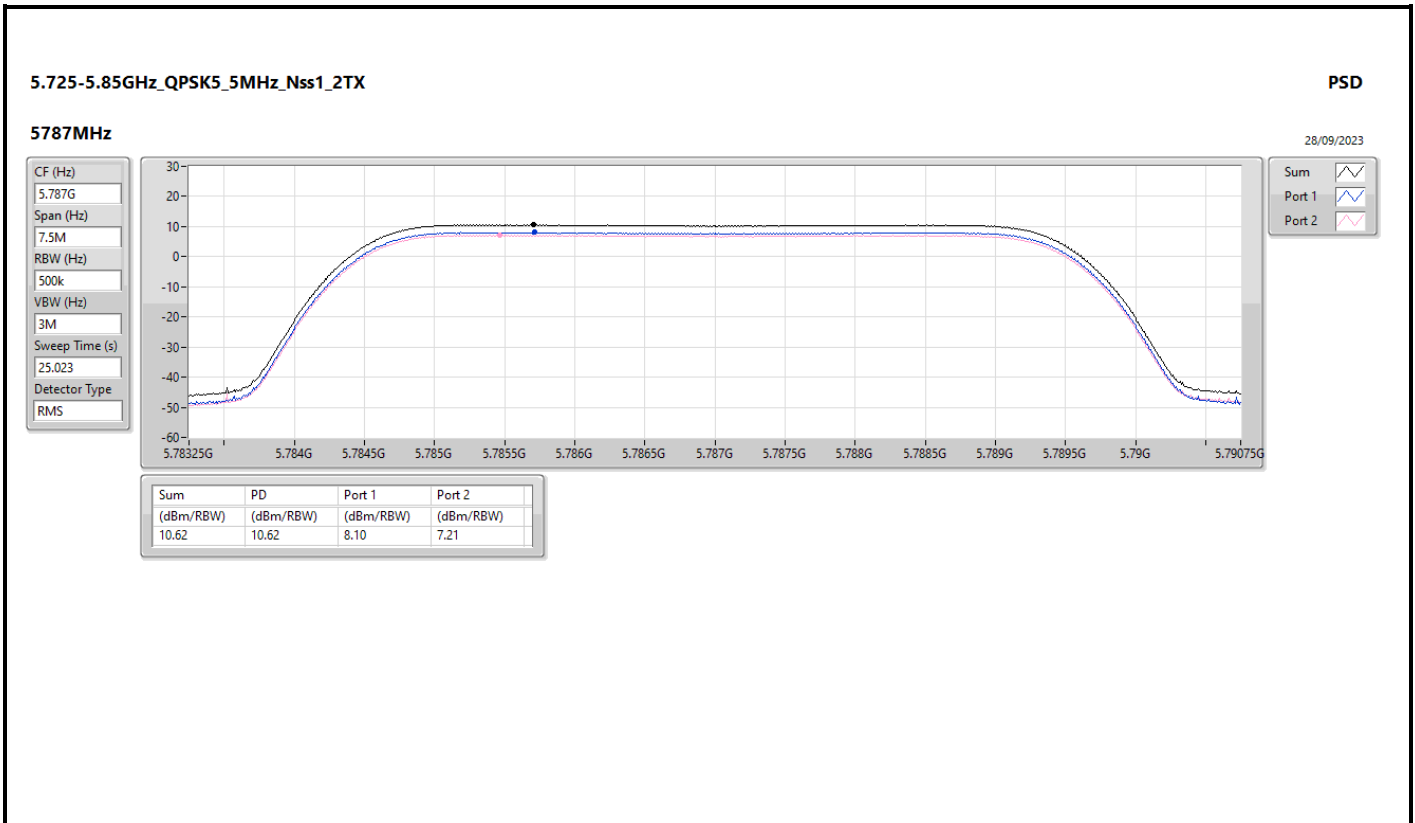
Result

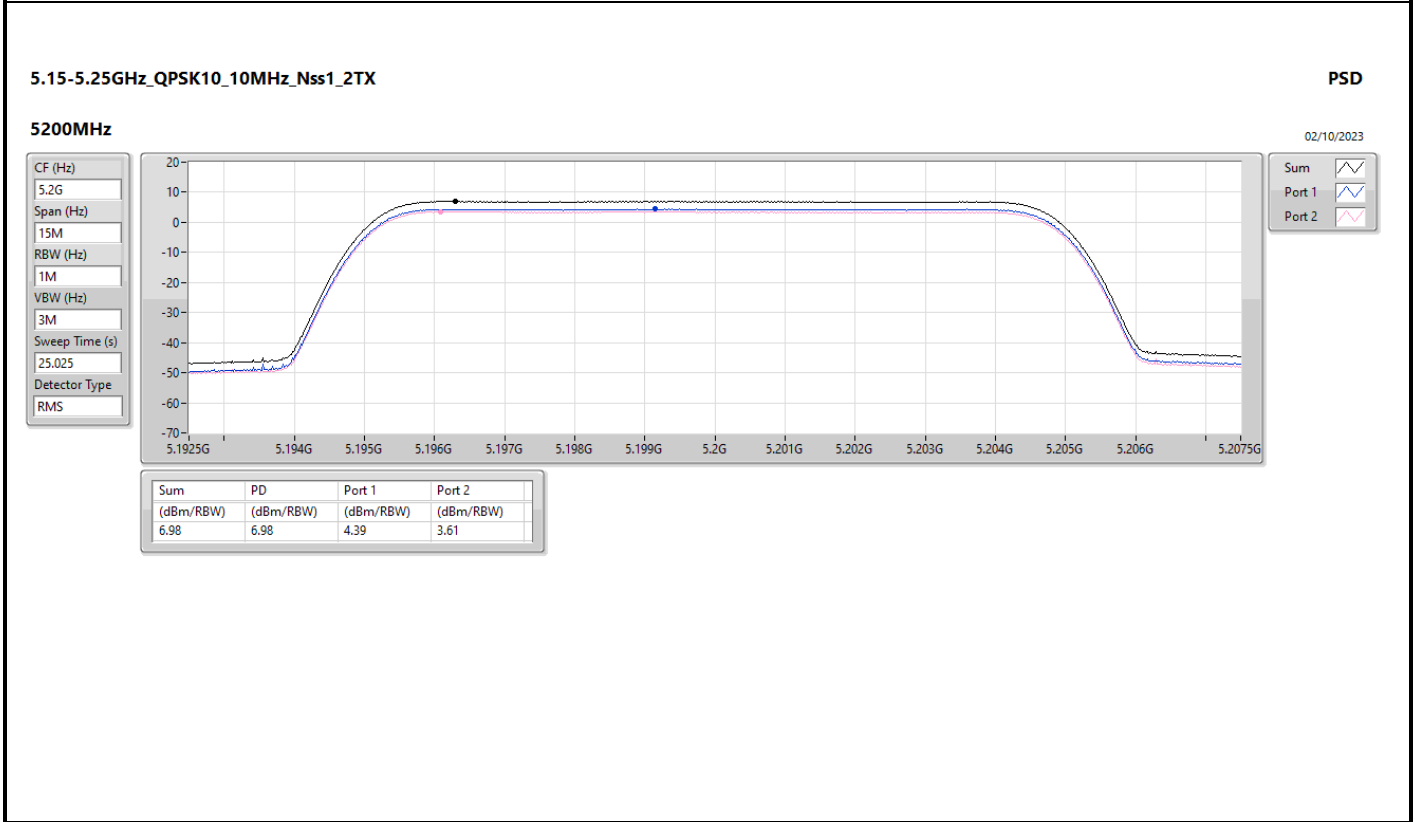
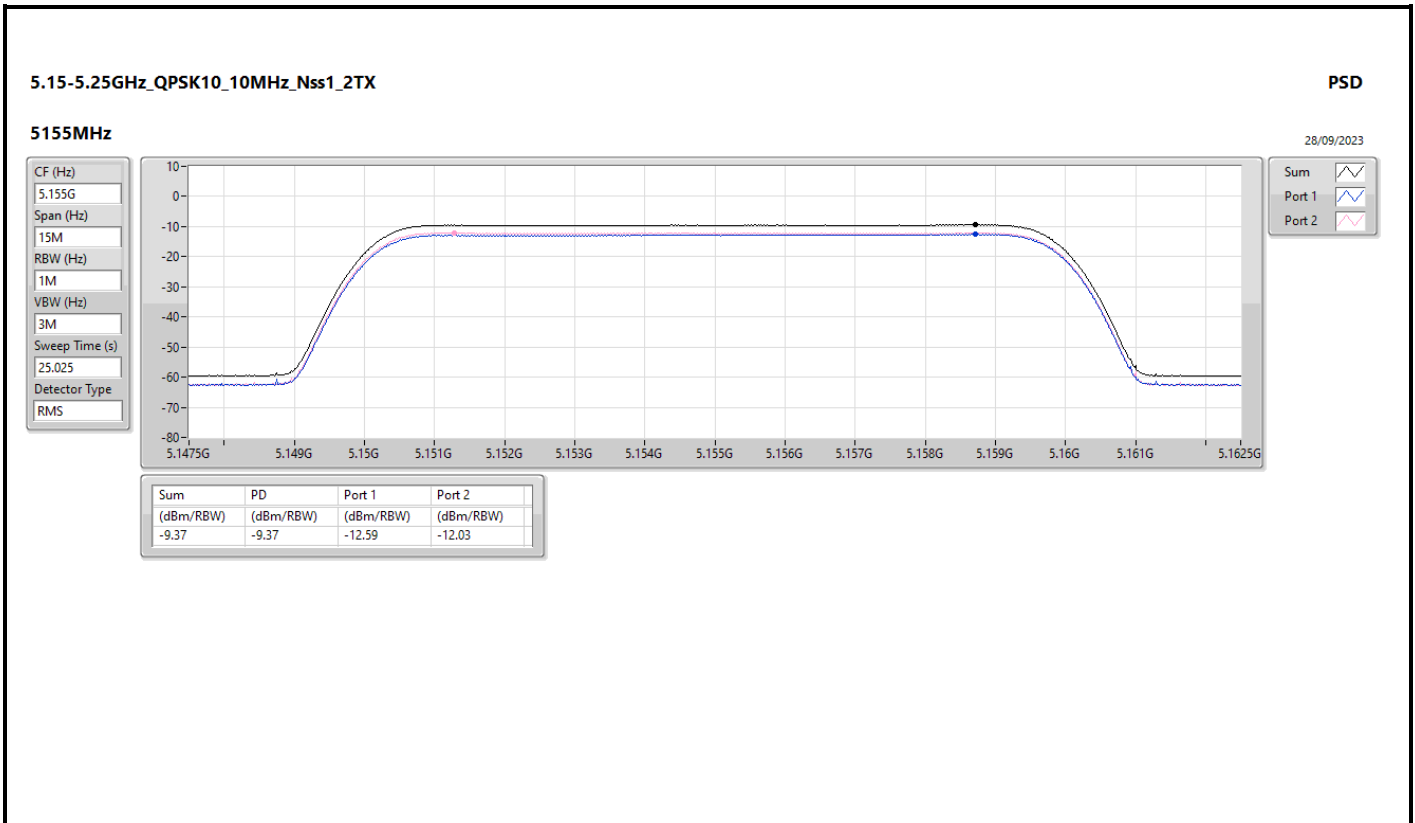
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
QPSK5_5MHz_Nss1_2TX	-	-	-	-	-	-
5156MHz	Pass	15.962	4.02	3.50	6.71	7.04
5200MHz	Pass	15.962	4.32	3.50	6.85	7.04
5244MHz	Pass	15.962	4.29	3.21	6.67	7.04
5731MHz	Pass	15.958	7.95	7.55	10.69	20.04
5787MHz	Pass	15.958	8.10	7.21	10.62	20.04
5844MHz	Pass	15.958	8.04	7.06	10.53	20.04
QPSK10_10MHz_Nss1_2TX	-	-	-	-	-	-
5155MHz	Pass	15.962	-12.59	-12.03	-9.37	7.04
5200MHz	Pass	15.962	4.39	3.61	6.98	7.04
5245MHz	Pass	15.962	4.47	3.49	6.94	7.04
5730MHz	Pass	15.958	5.14	4.93	8.03	20.04
5787MHz	Pass	15.958	5.11	4.97	8.00	20.04
5845MHz	Pass	15.958	5.25	4.30	7.75	20.04
QPSK15_15MHz_Nss1_2TX	-	-	-	-	-	-
5158MHz	Pass	15.962	-12.20	-12.06	-9.18	7.04
5200MHz	Pass	15.962	3.99	3.21	6.55	7.04
5242MHz	Pass	15.962	4.53	3.46	6.99	7.04
5733MHz	Pass	15.958	2.98	3.75	6.36	20.04
5787MHz	Pass	15.958	3.65	3.32	6.50	20.04
5842MHz	Pass	15.958	3.85	2.74	6.29	20.04
QPSK20_20MHz_Nss1_2TX	-	-	-	-	-	-
5160MHz	Pass	15.962	-16.45	-16.10	-13.27	7.04
5200MHz	Pass	15.962	3.99	3.13	6.50	7.04
5240MHz	Pass	15.962	4.38	3.50	6.92	7.04
5735MHz	Pass	15.958	2.06	2.30	5.19	20.04
5785MHz	Pass	15.958	2.37	2.25	5.27	20.04
5840MHz	Pass	15.958	2.80	1.44	5.15	20.04
QPSK30_30MHz_Nss1_2TX	-	-	-	-	-	-
5165MHz	Pass	15.962	0.33	0.10	3.14	7.04
5200MHz	Pass	15.962	1.41	0.83	4.04	7.04
5235MHz	Pass	15.962	4.29	3.48	6.82	7.04
5740MHz	Pass	15.958	1.04	1.74	4.41	20.04
5787MHz	Pass	15.958	1.73	1.57	4.66	20.04
5835MHz	Pass	15.958	2.02	0.93	4.46	20.04
QPSK40_40MHz_Nss1_2TX	-	-	-	-	-	-
5170MHz	Pass	15.962	-14.31	-13.85	-11.14	7.04
5200MHz	Pass	15.962	1.98	1.38	4.59	7.04
5230MHz	Pass	15.962	3.30	2.44	5.90	7.04
5745MHz	Pass	15.958	-0.19	0.18	2.95	20.04
5775MHz	Pass	15.958	0.00	0.36	3.19	20.04
5830MHz	Pass	15.958	0.54	-0.74	2.94	20.04

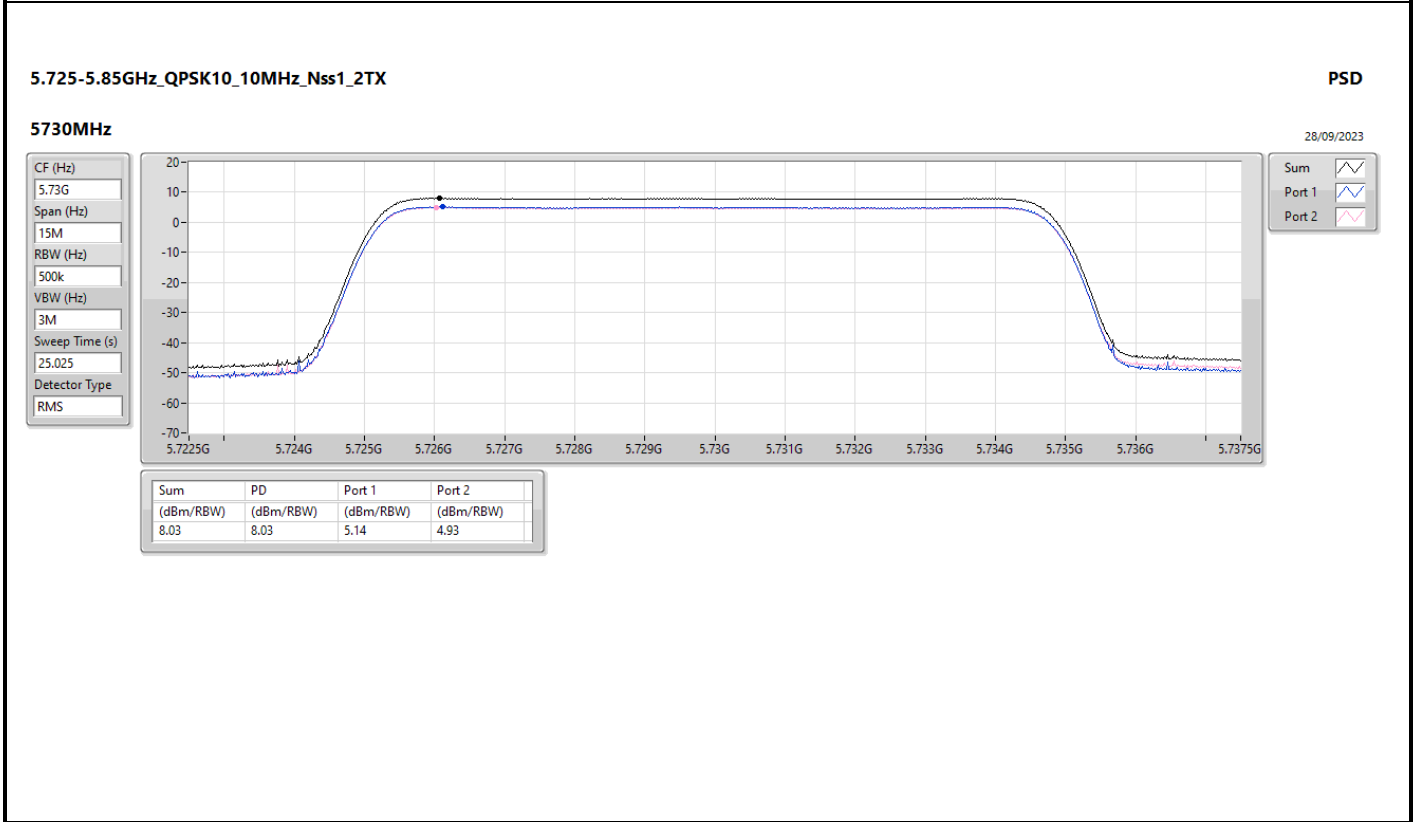
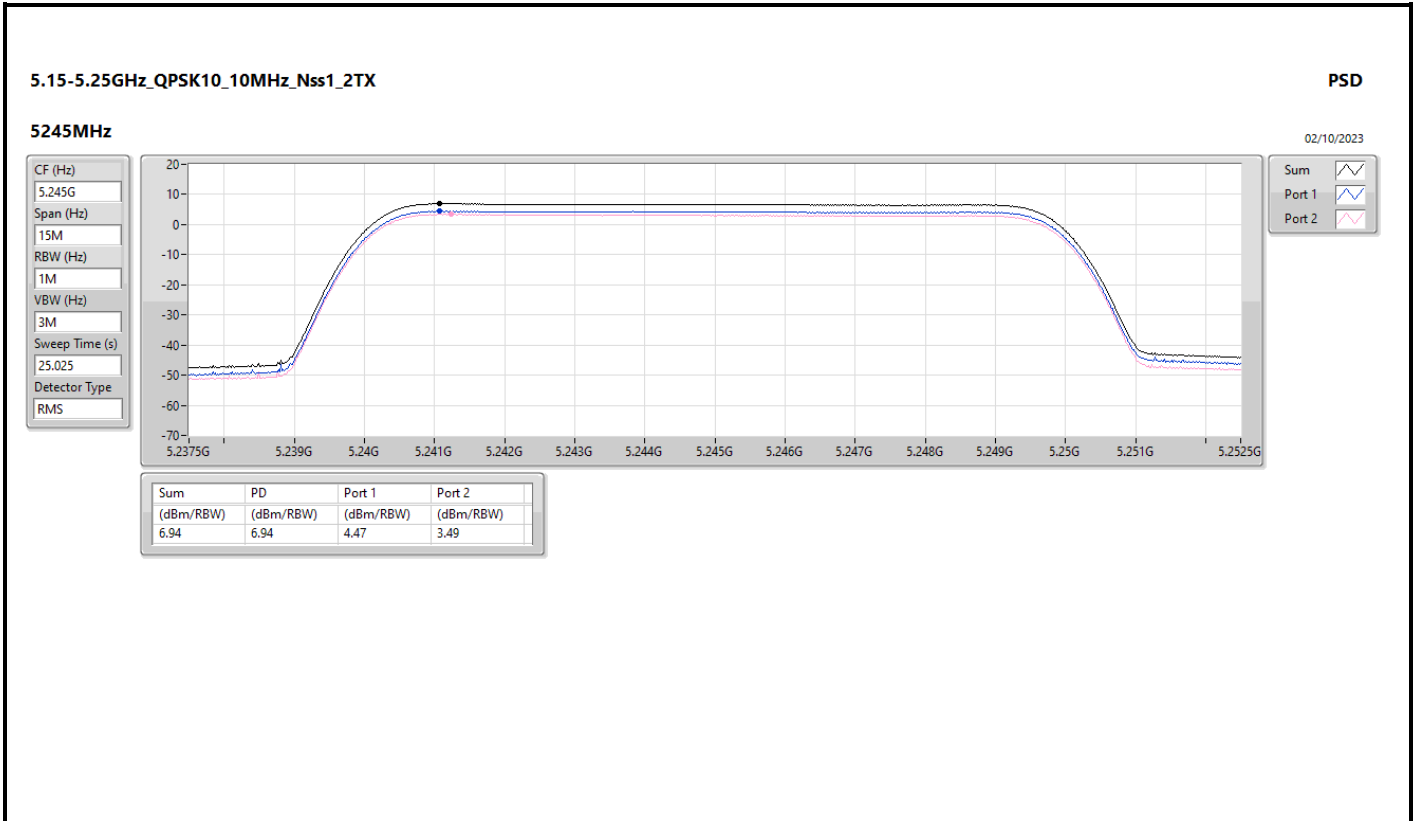
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

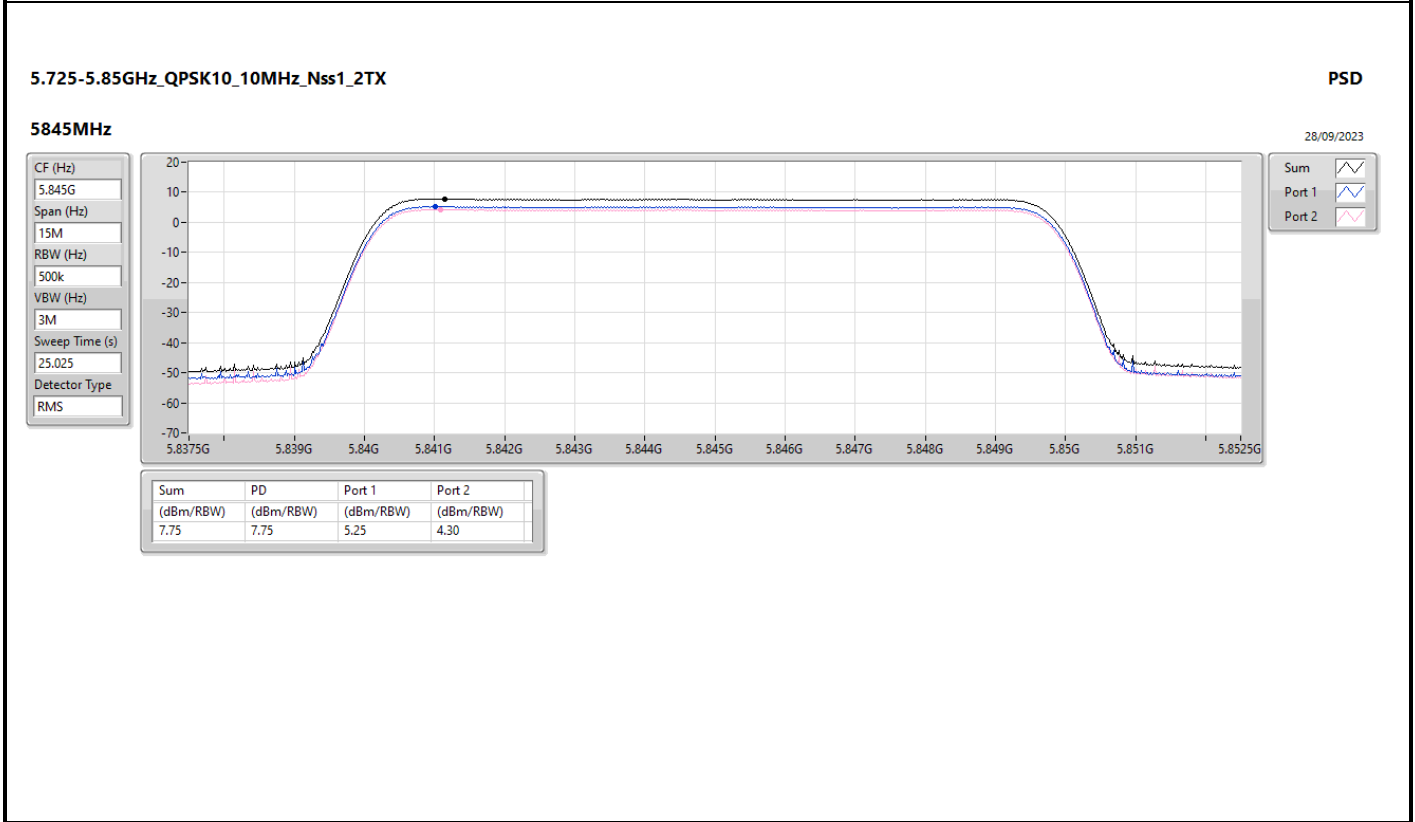
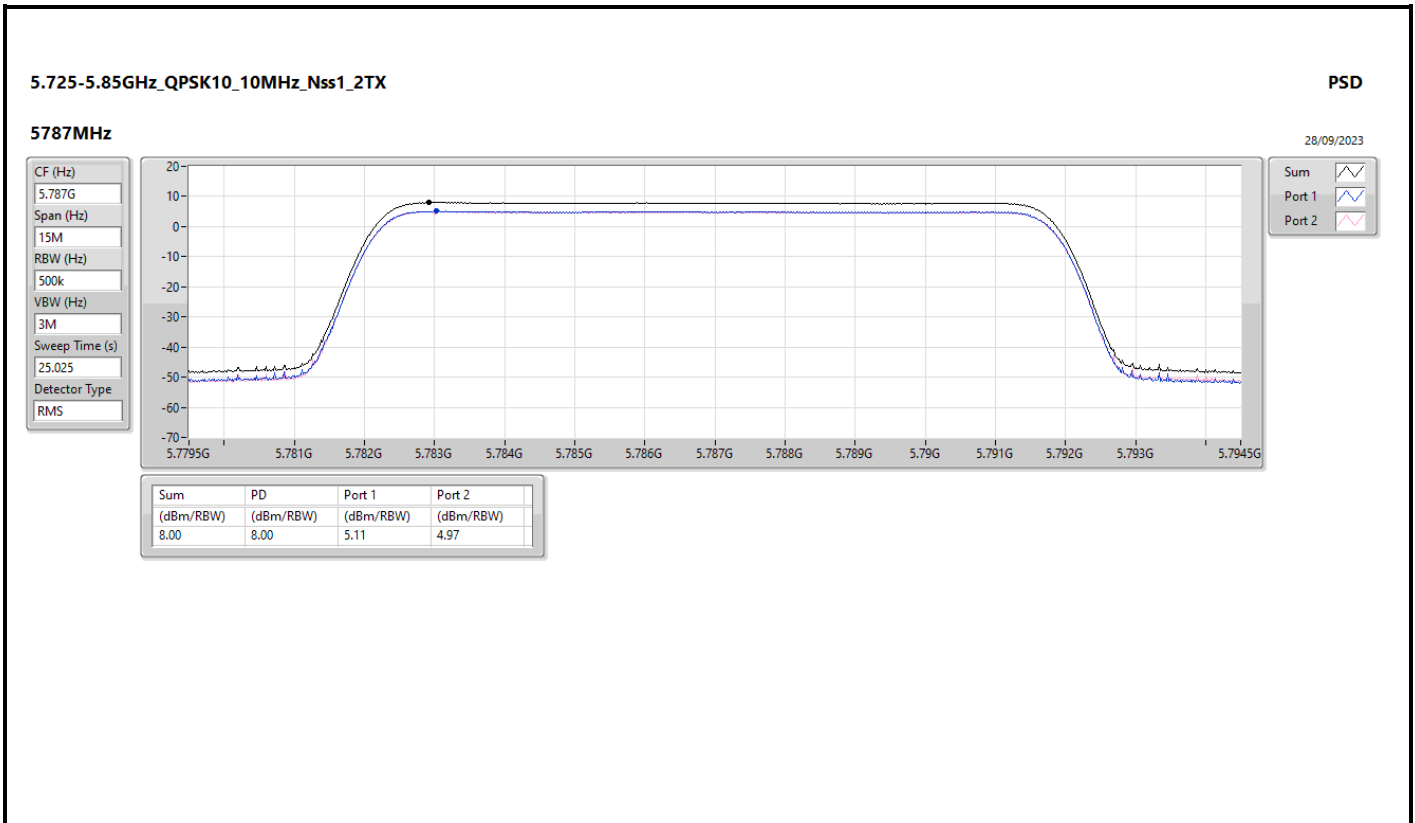


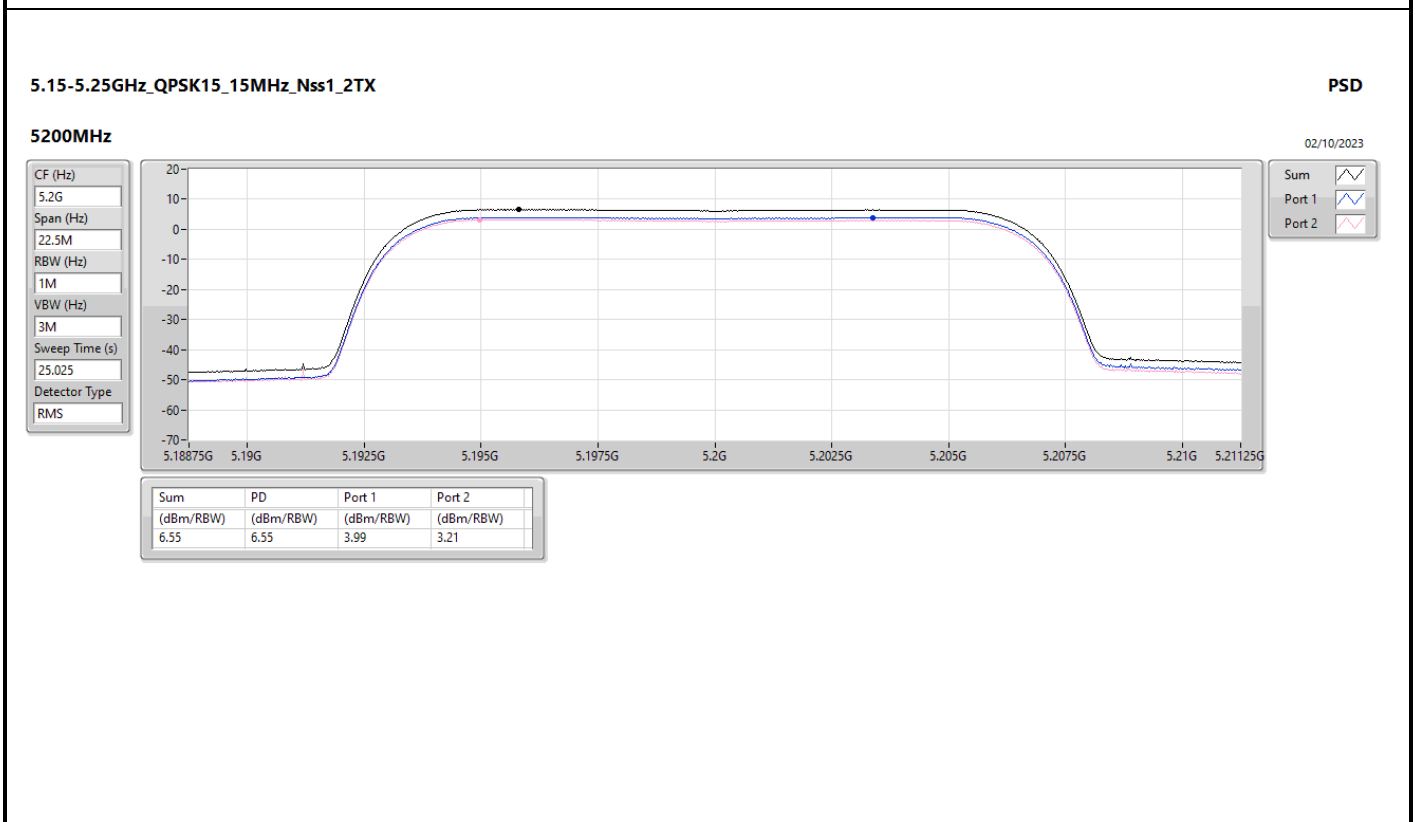
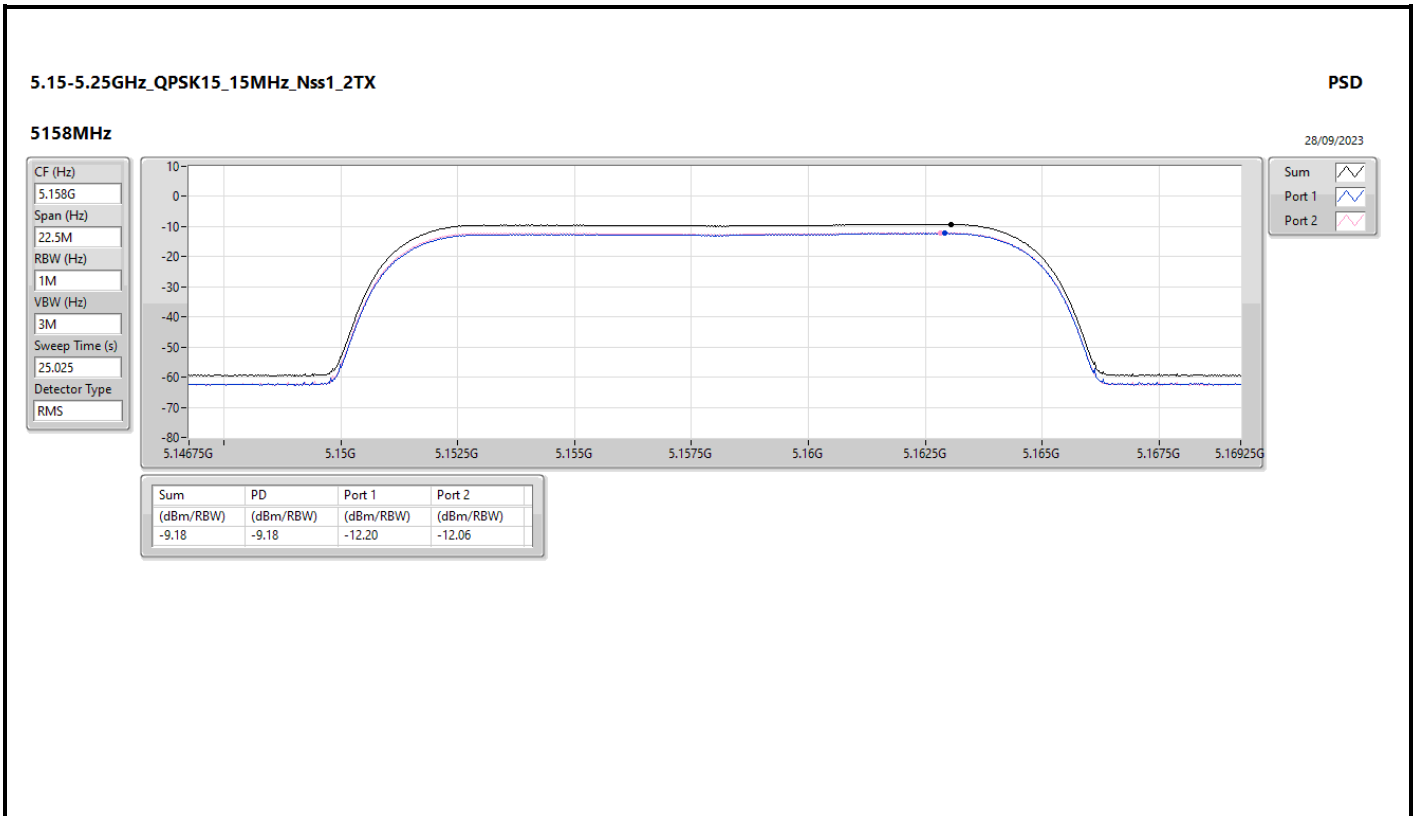


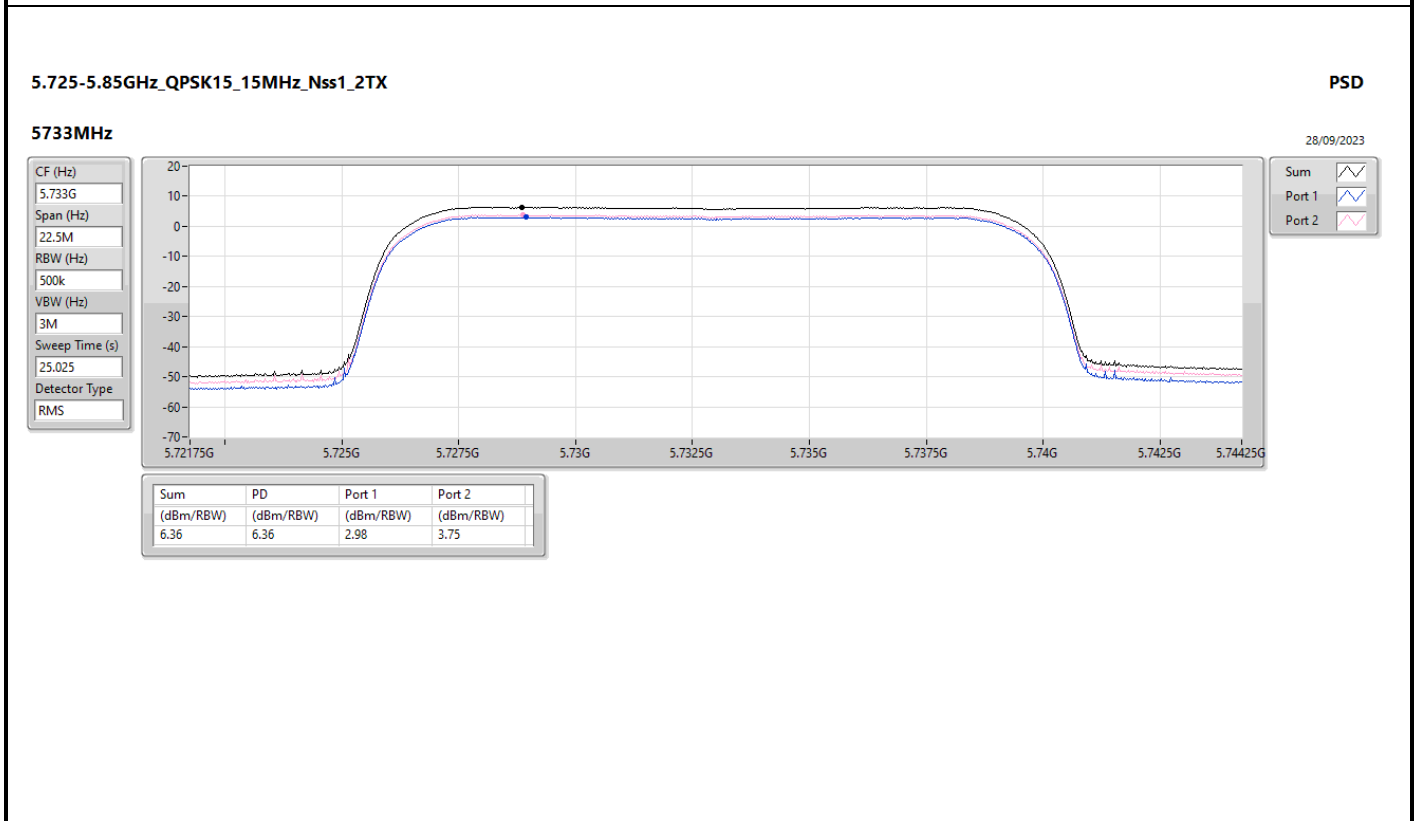
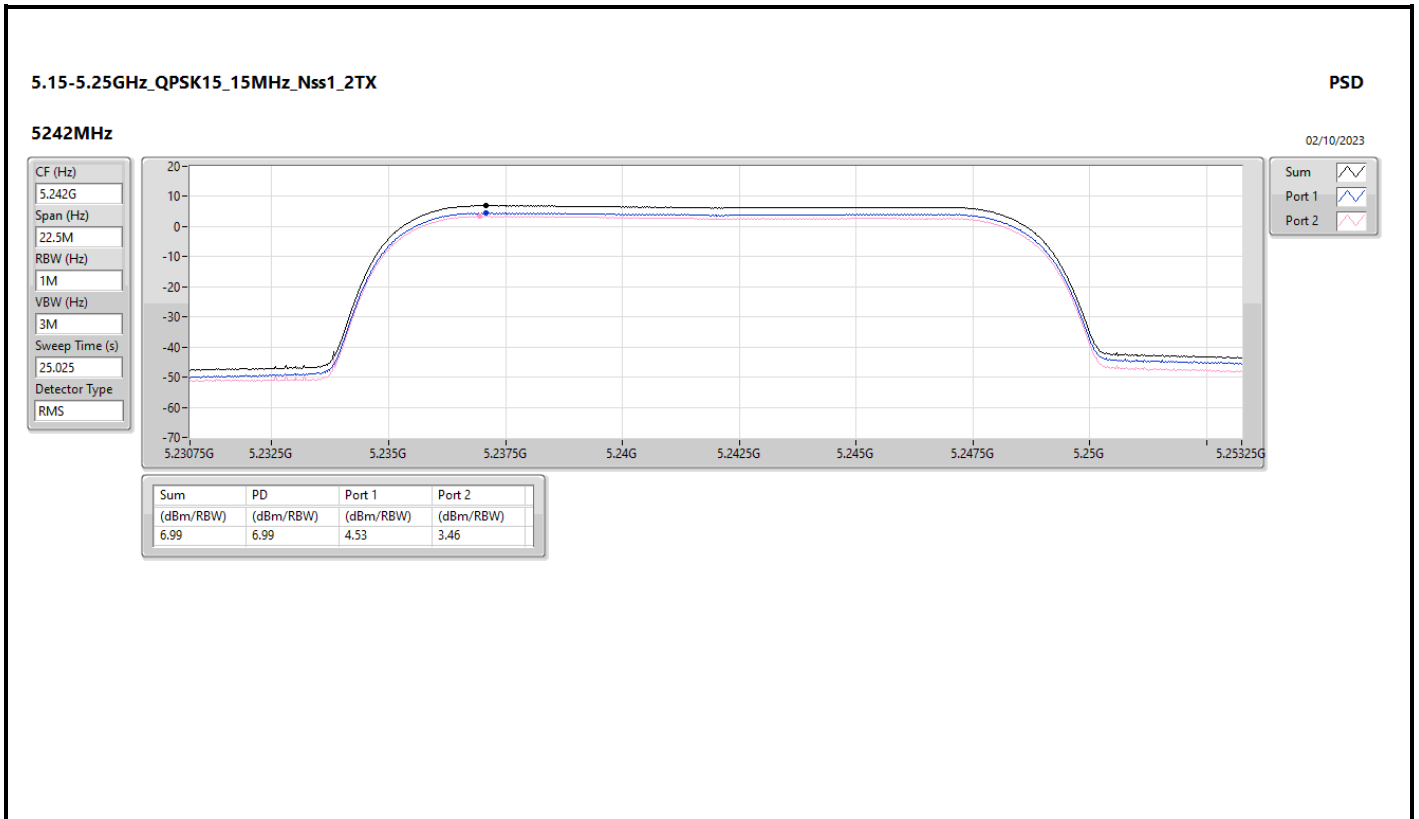


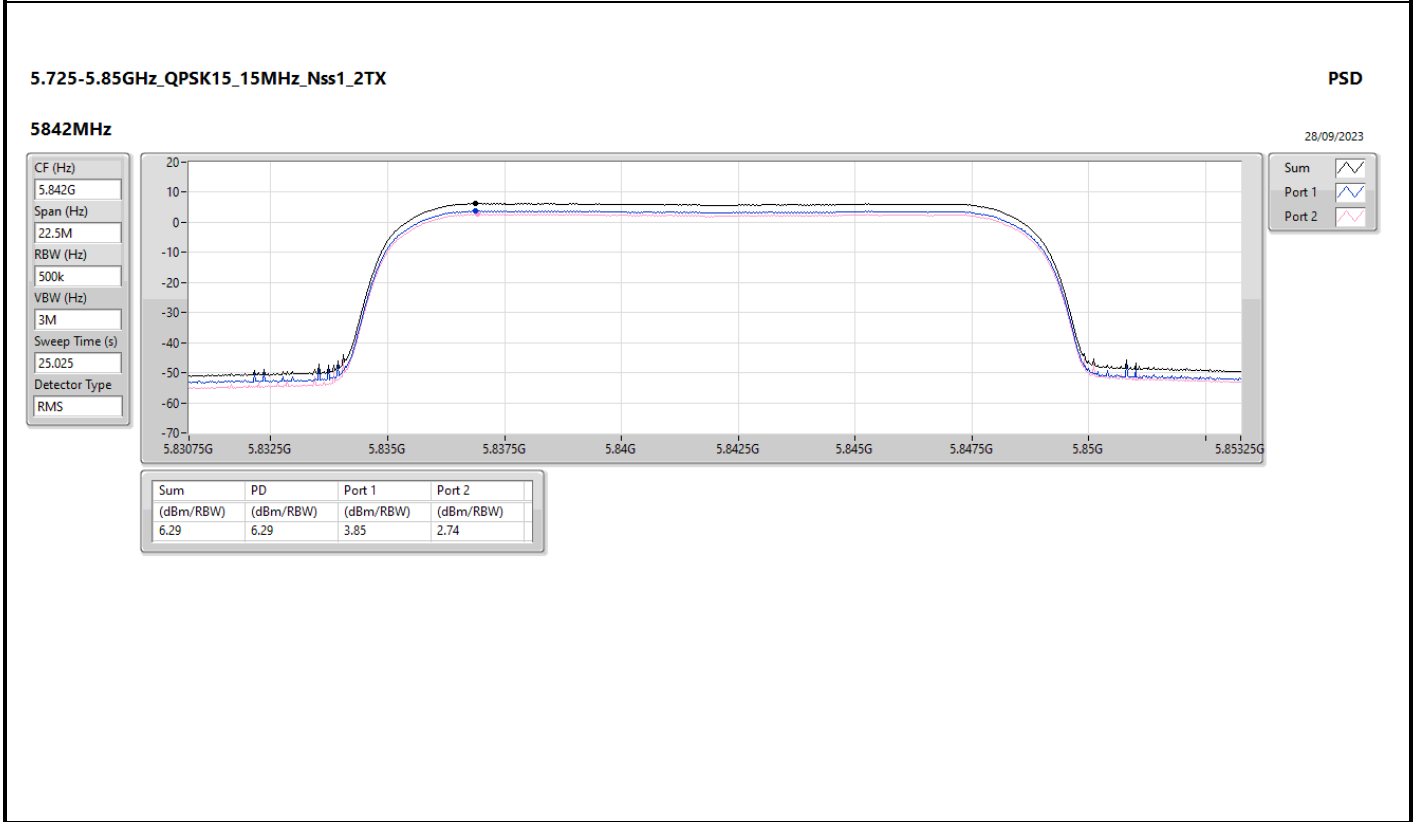
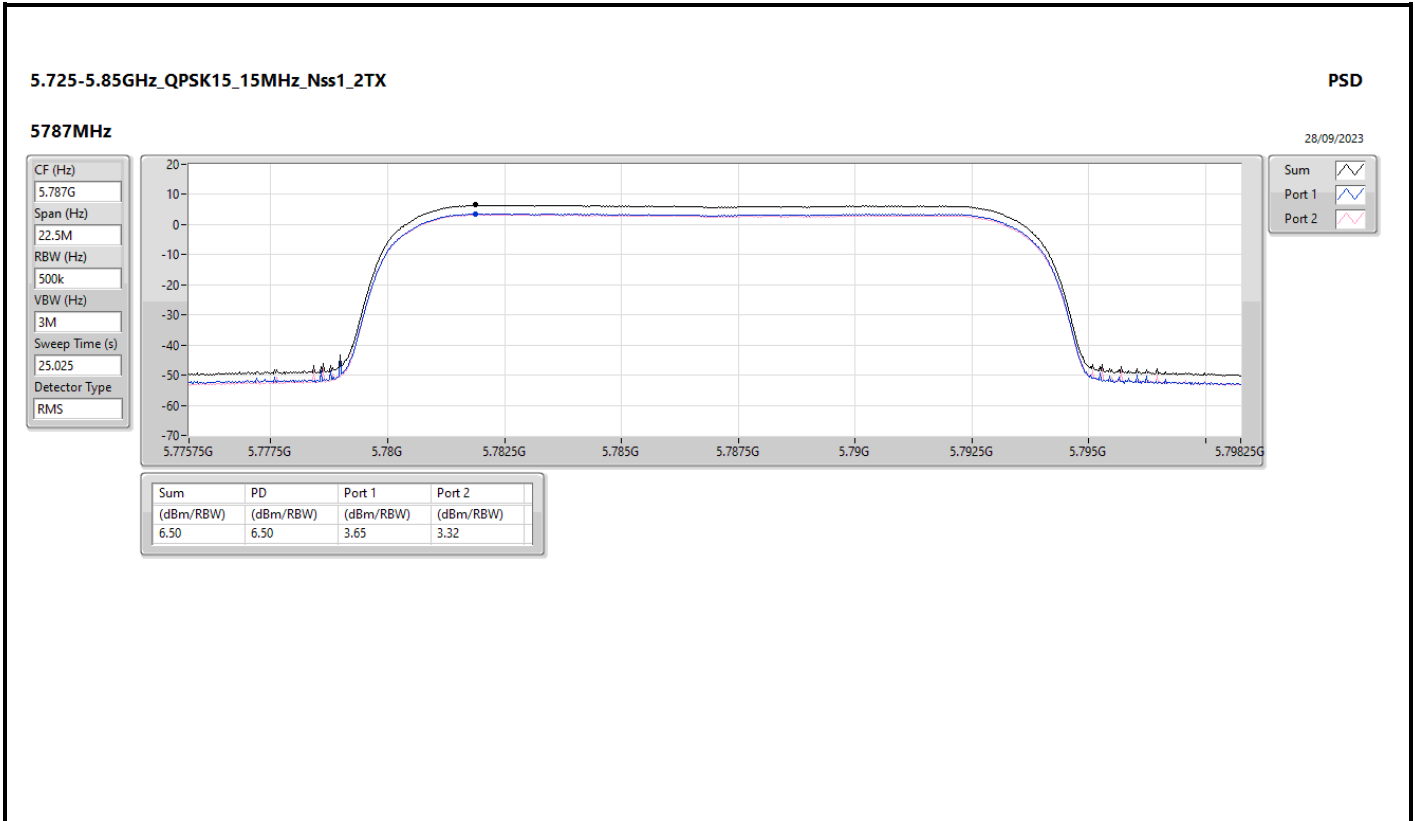


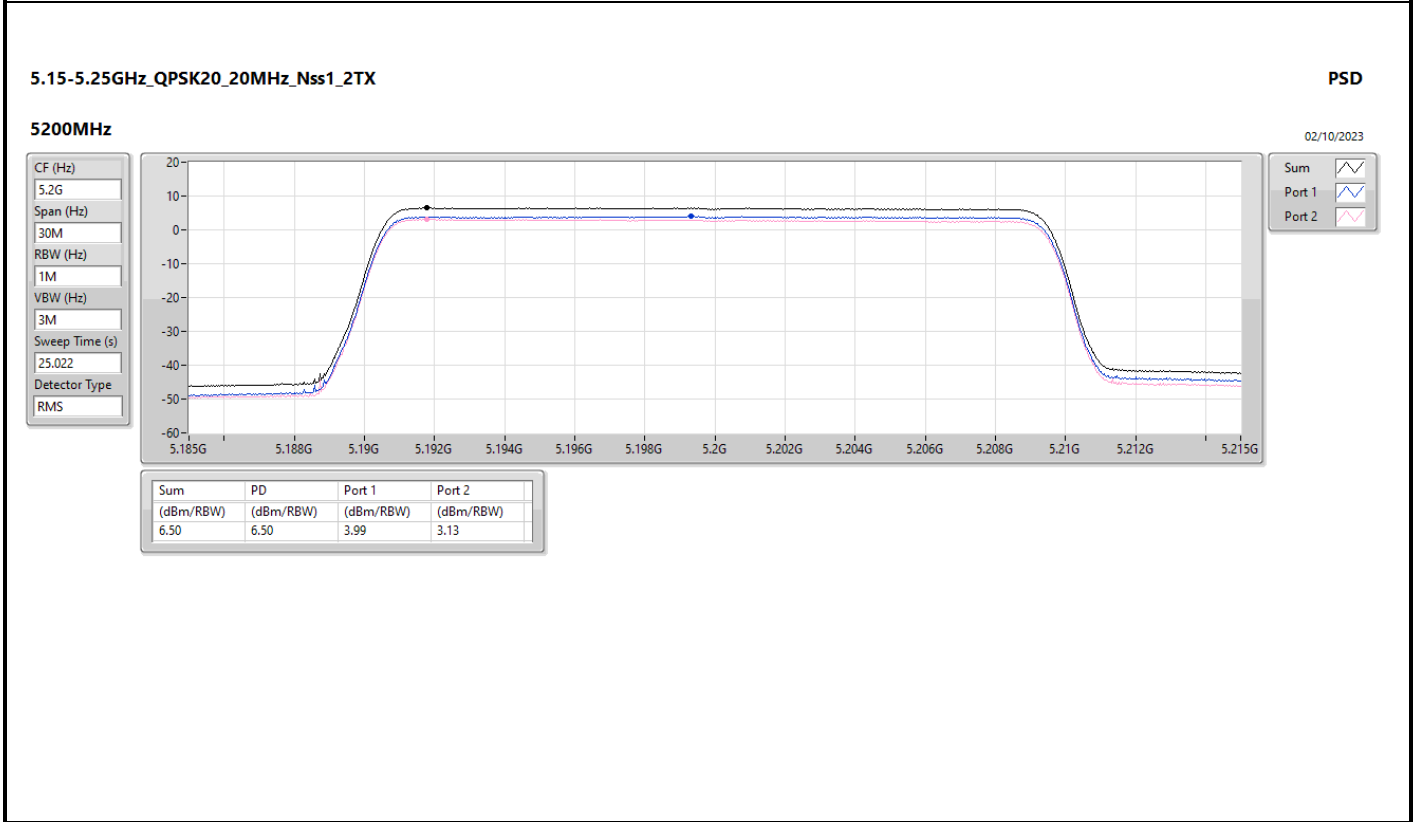
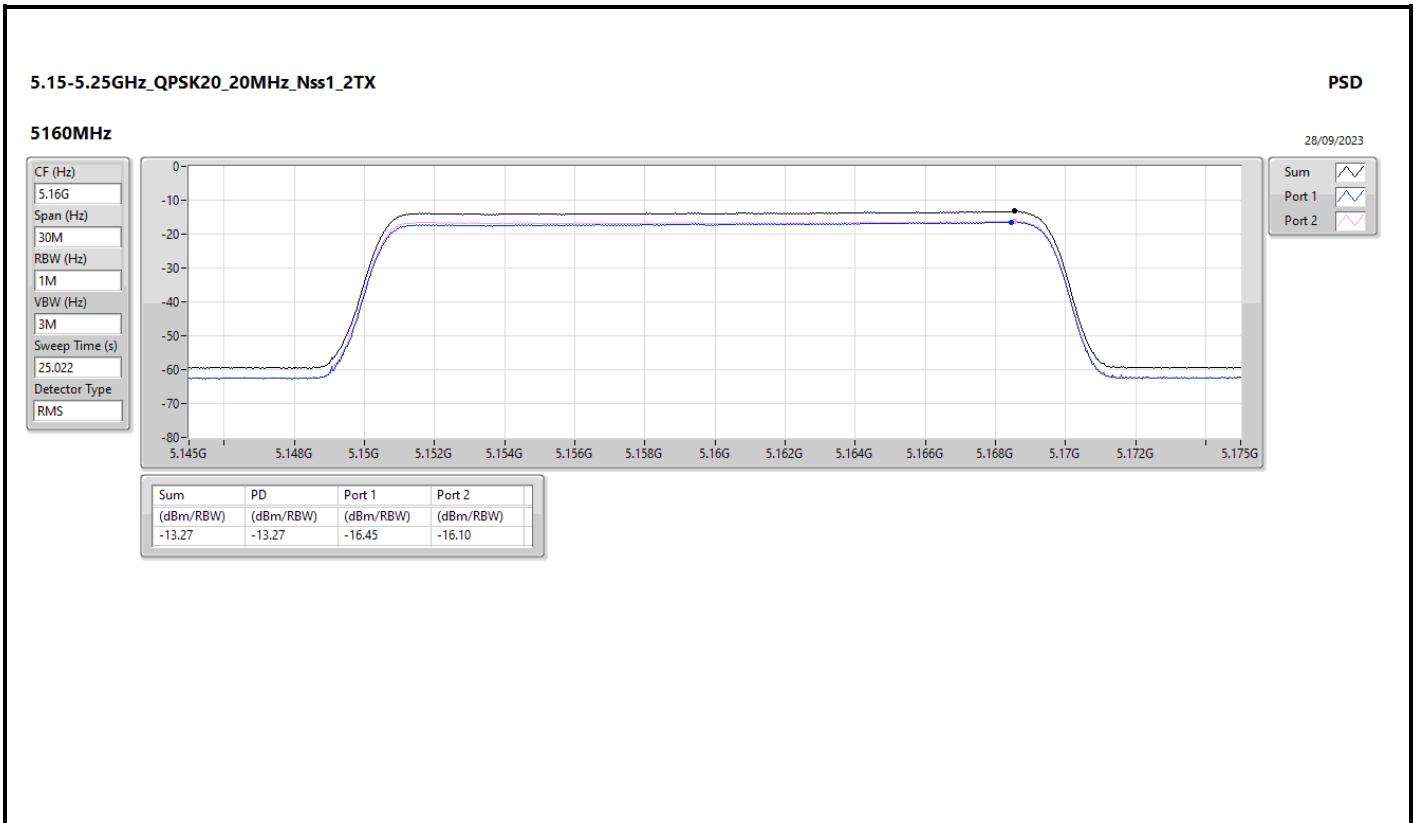




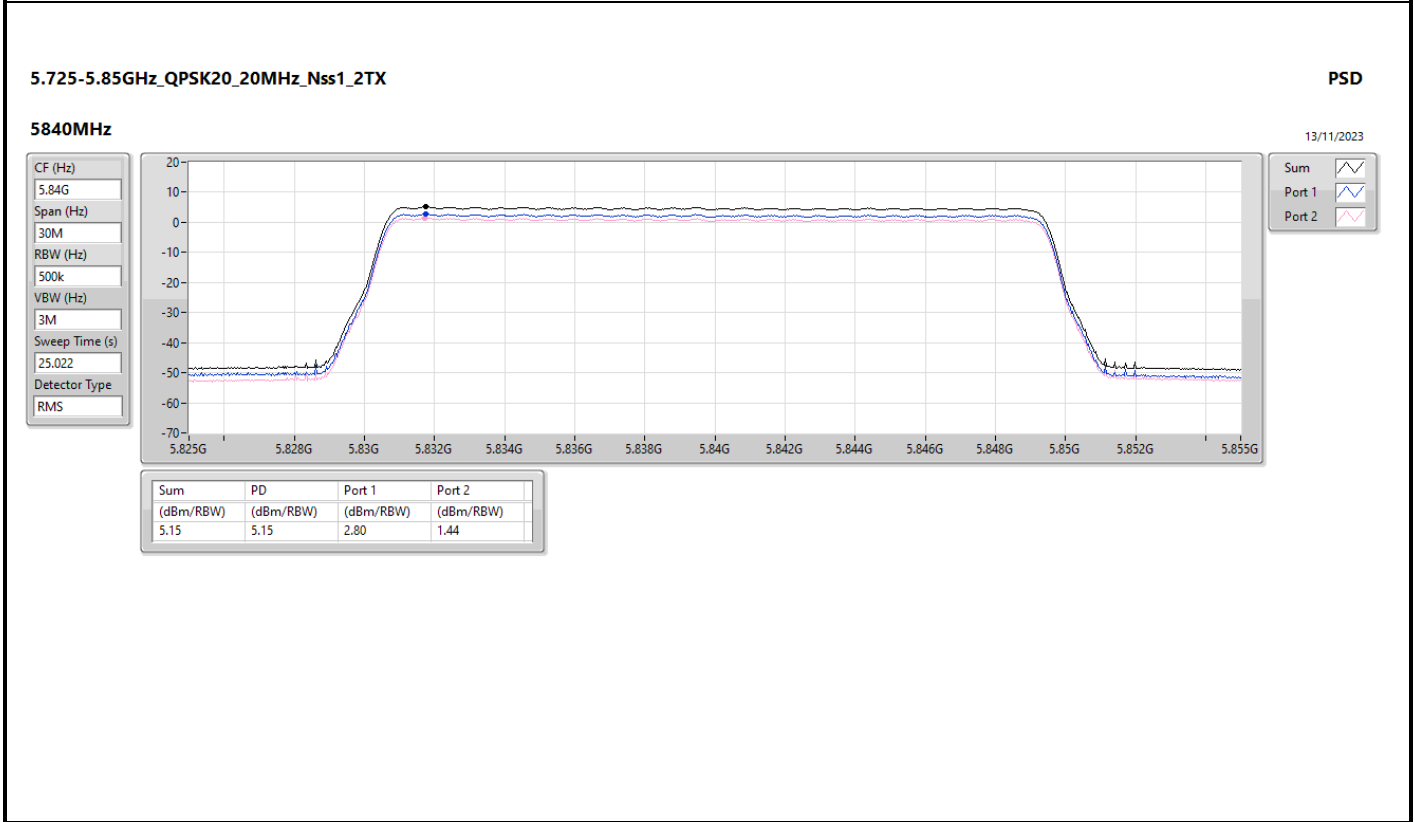
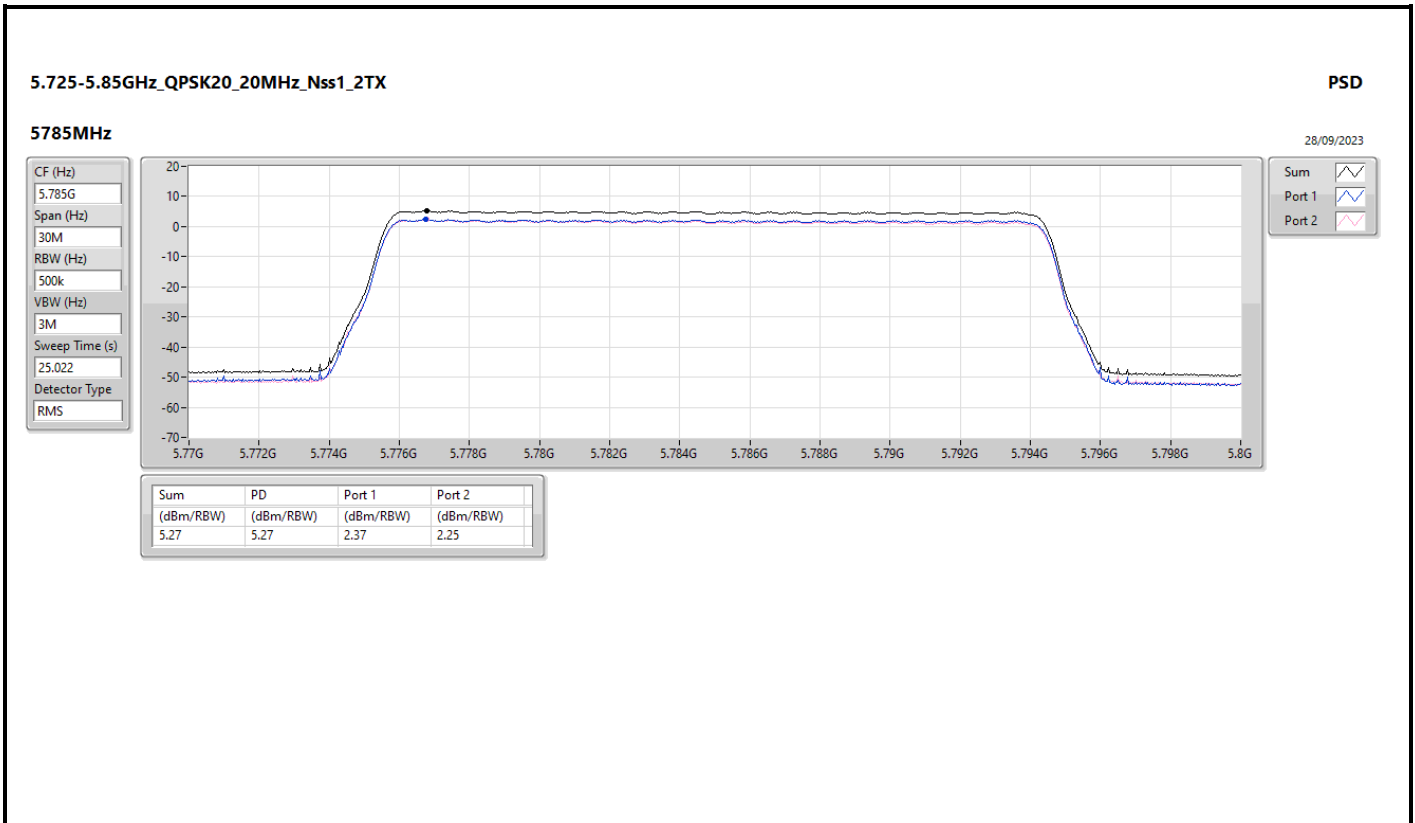


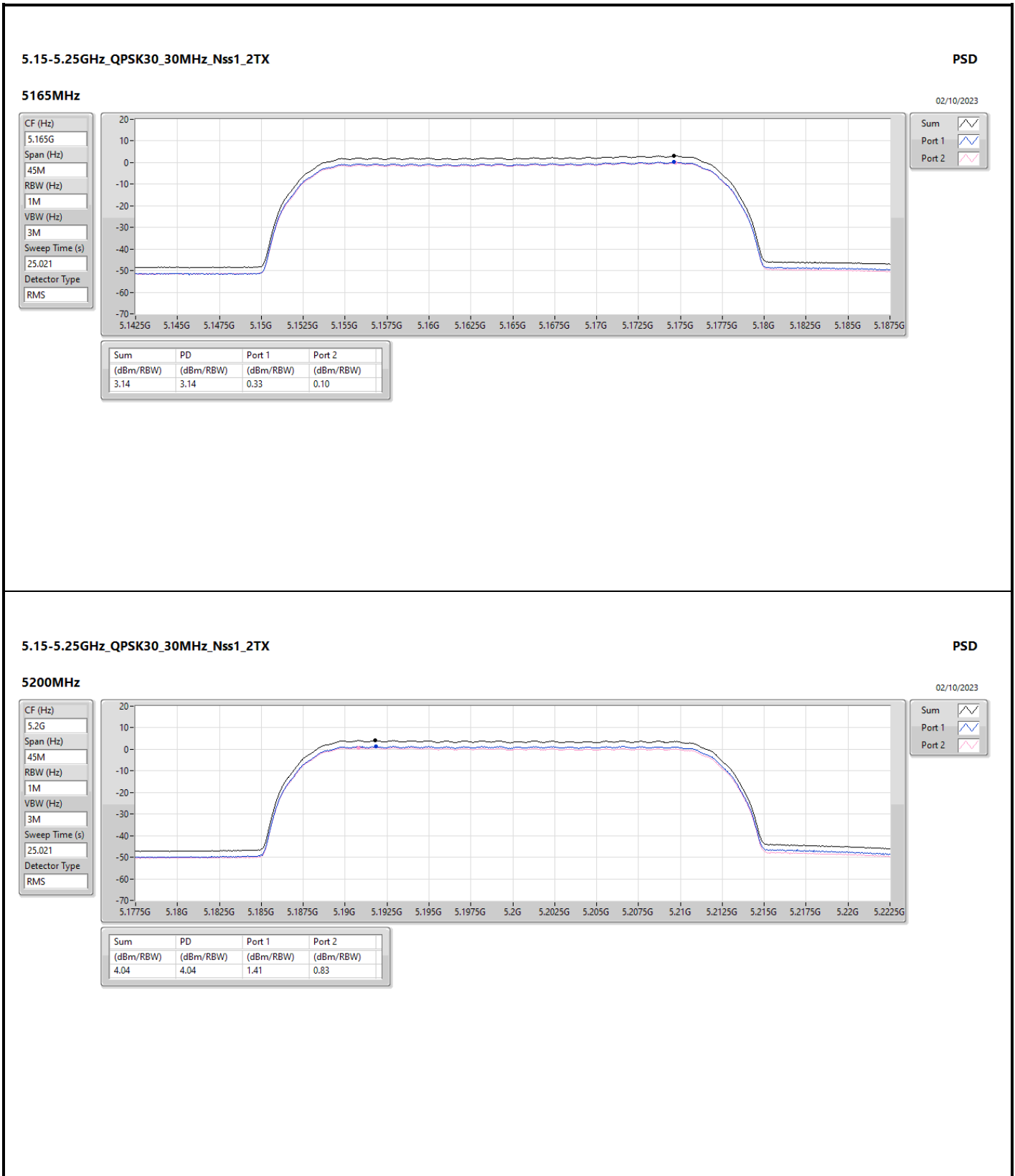


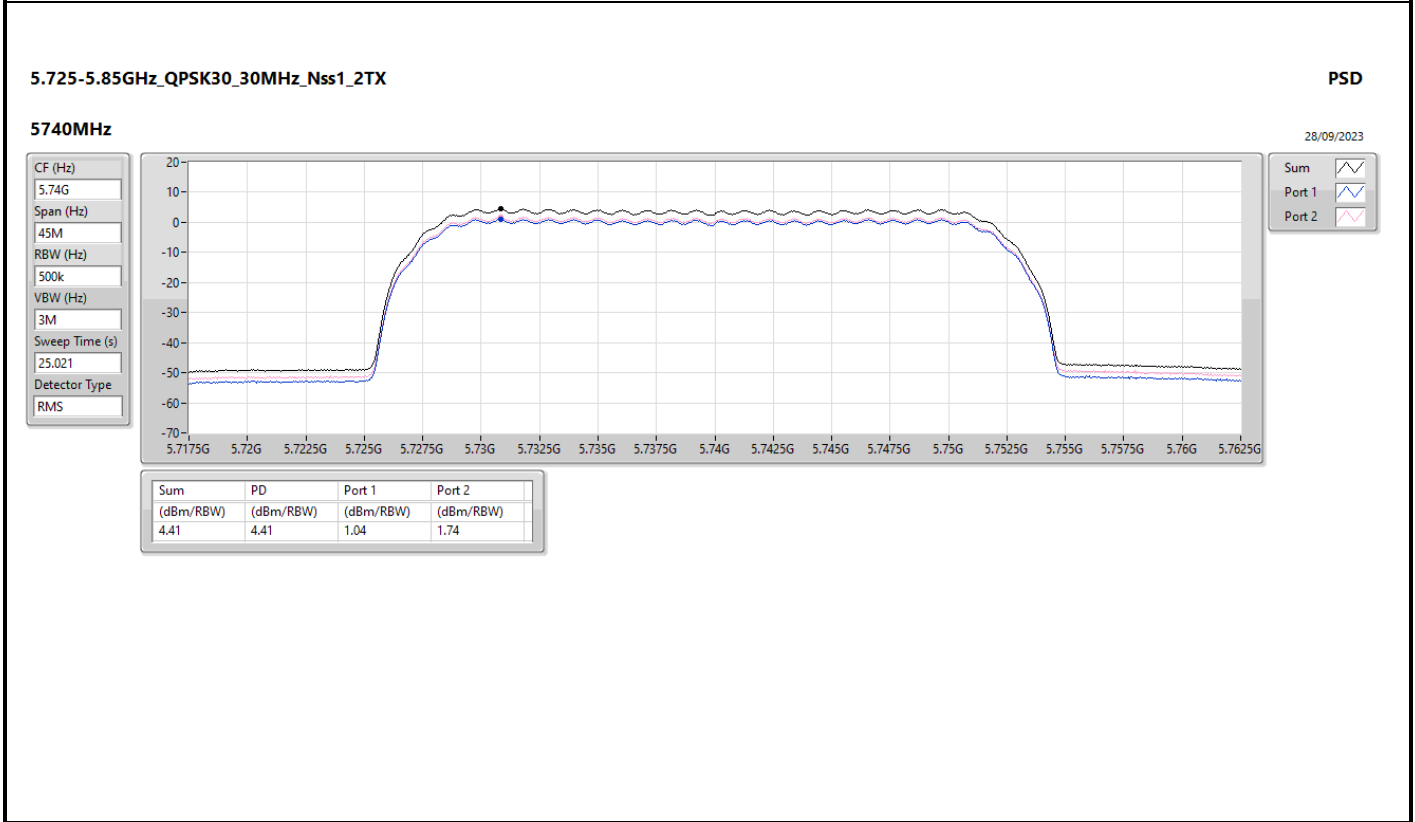
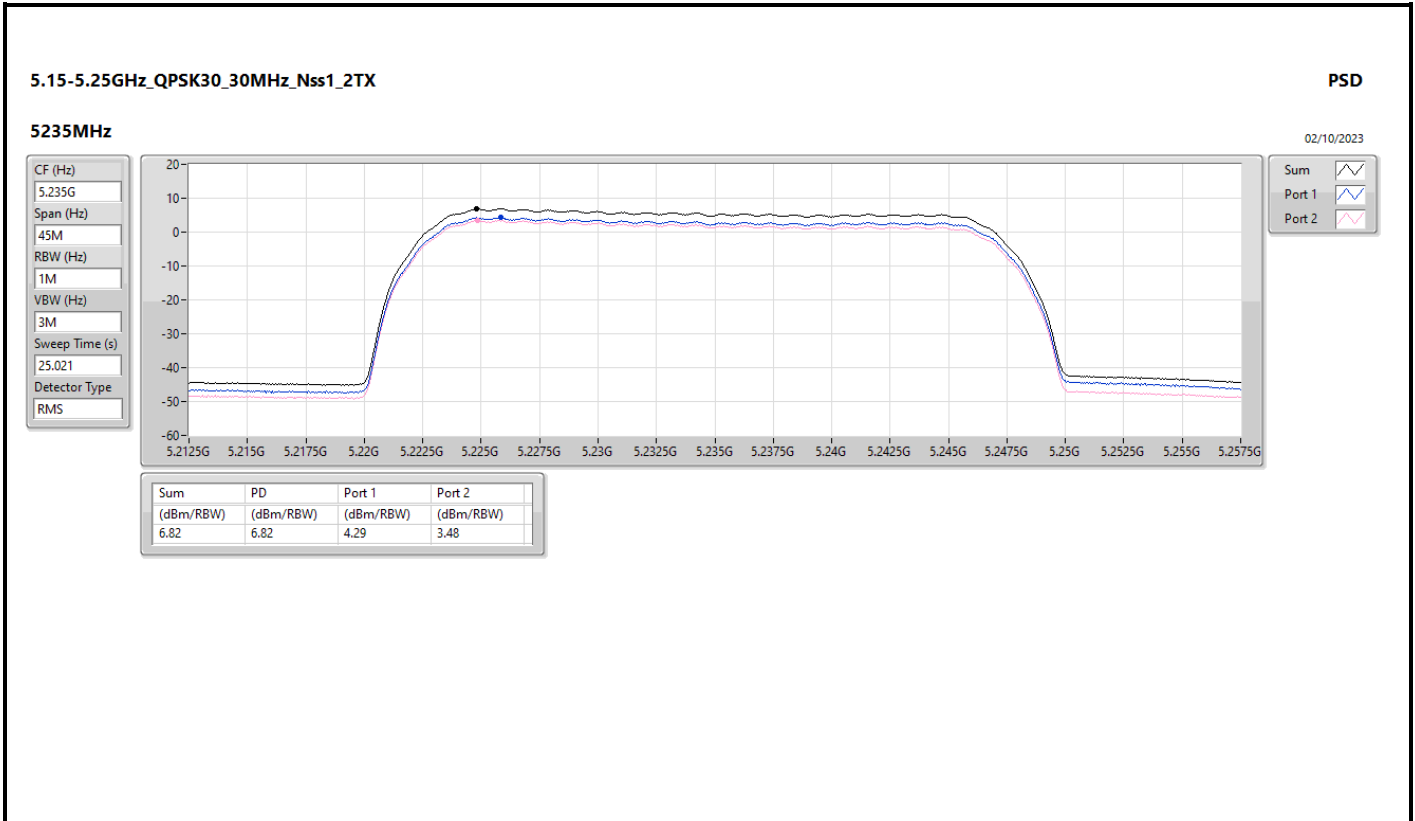


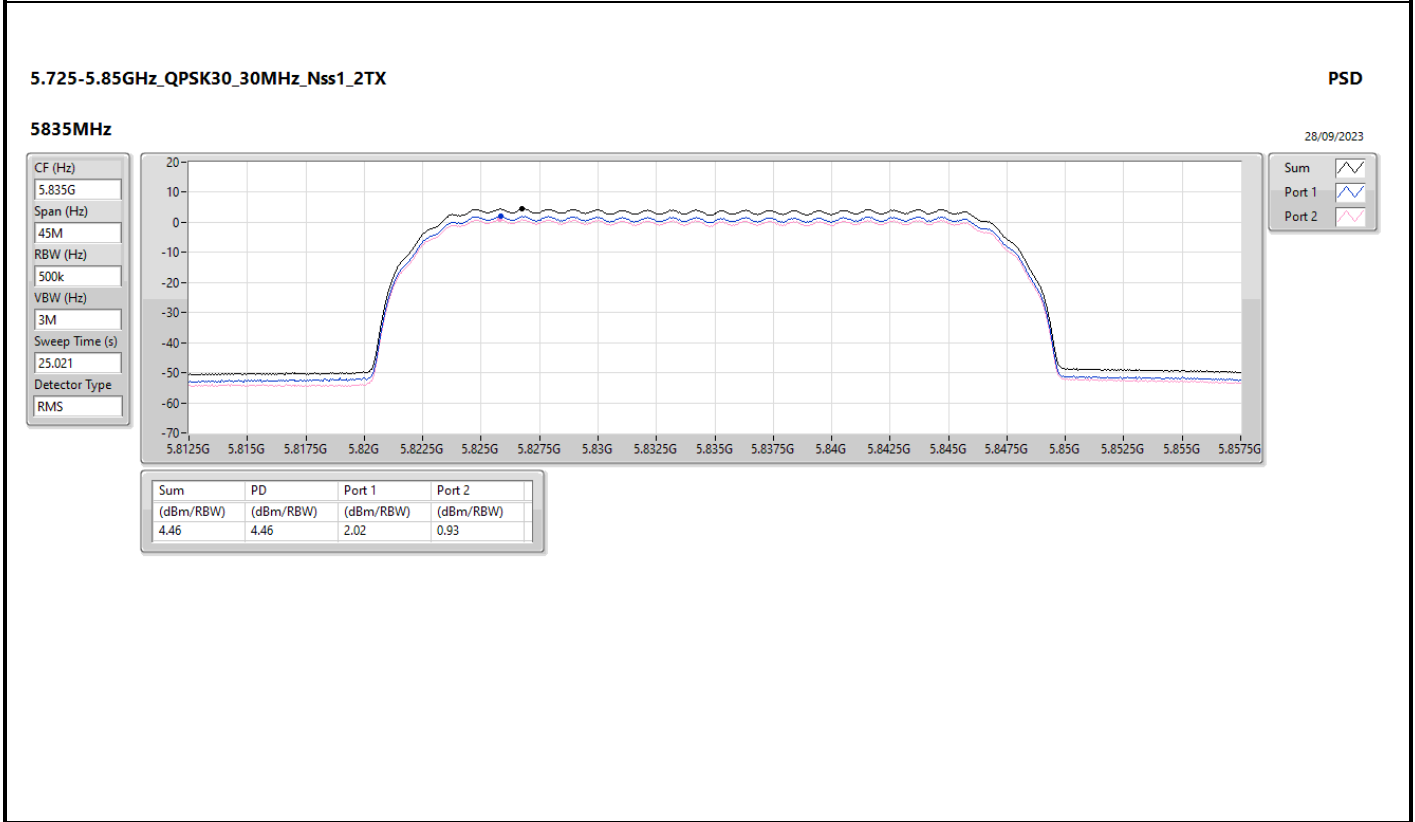
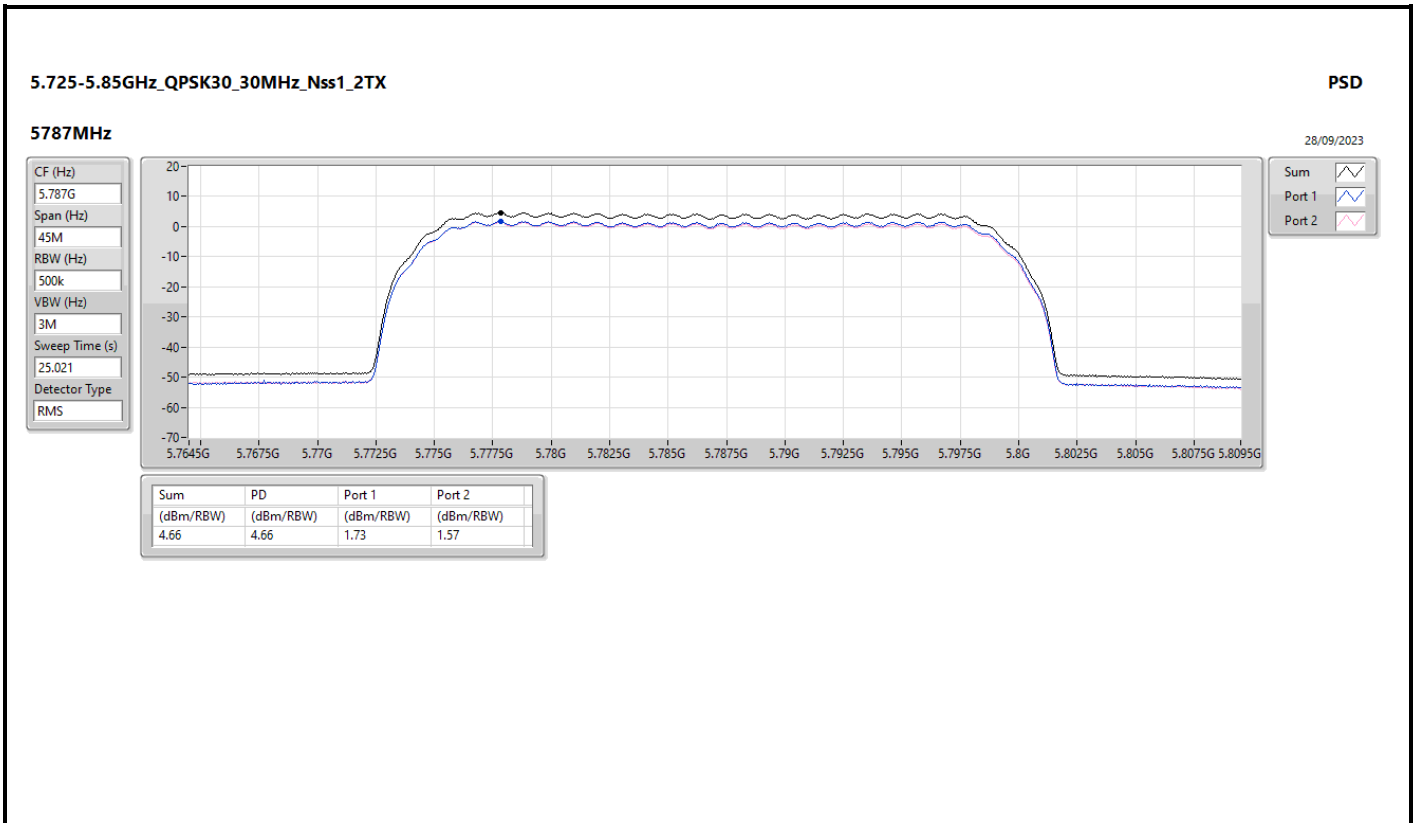


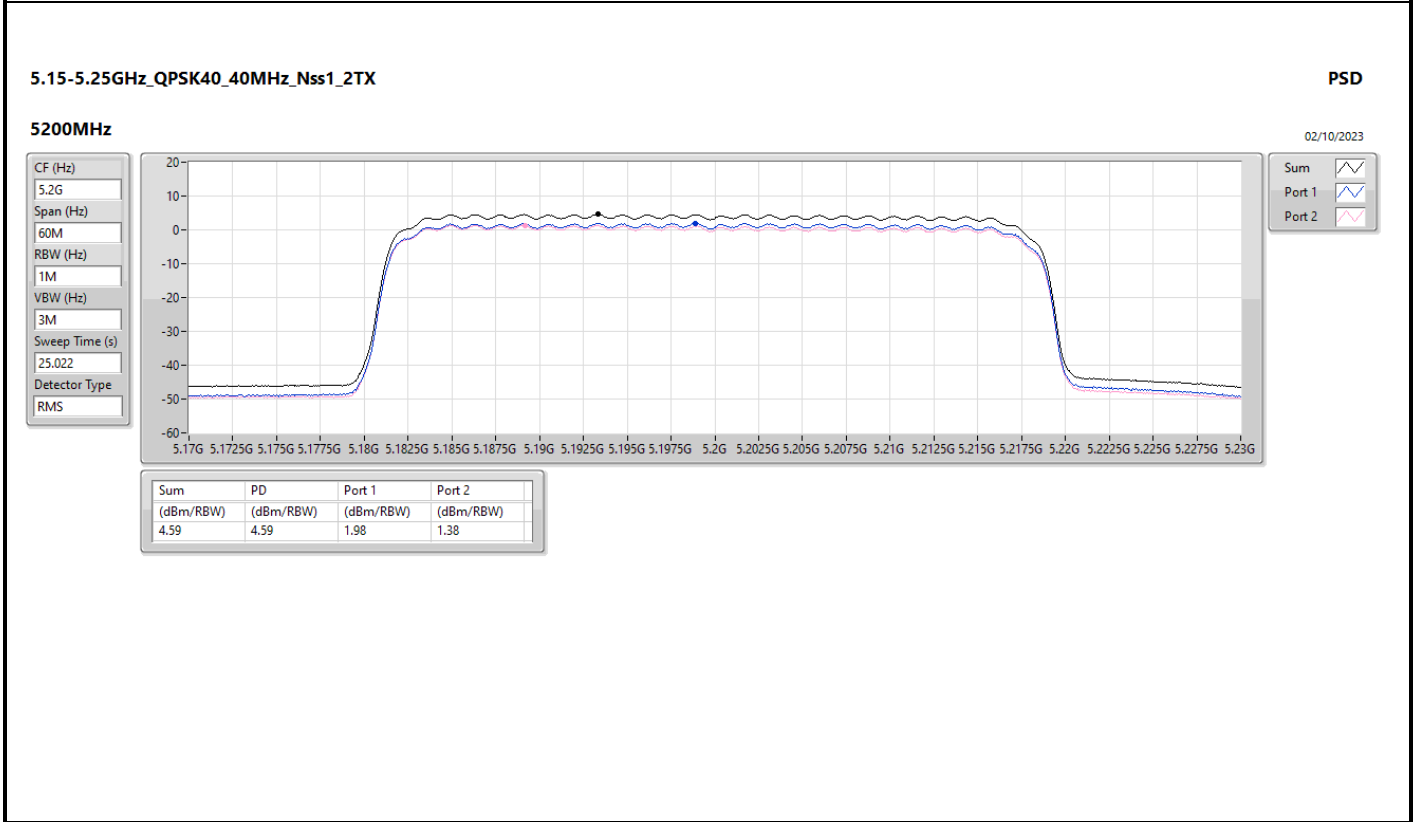
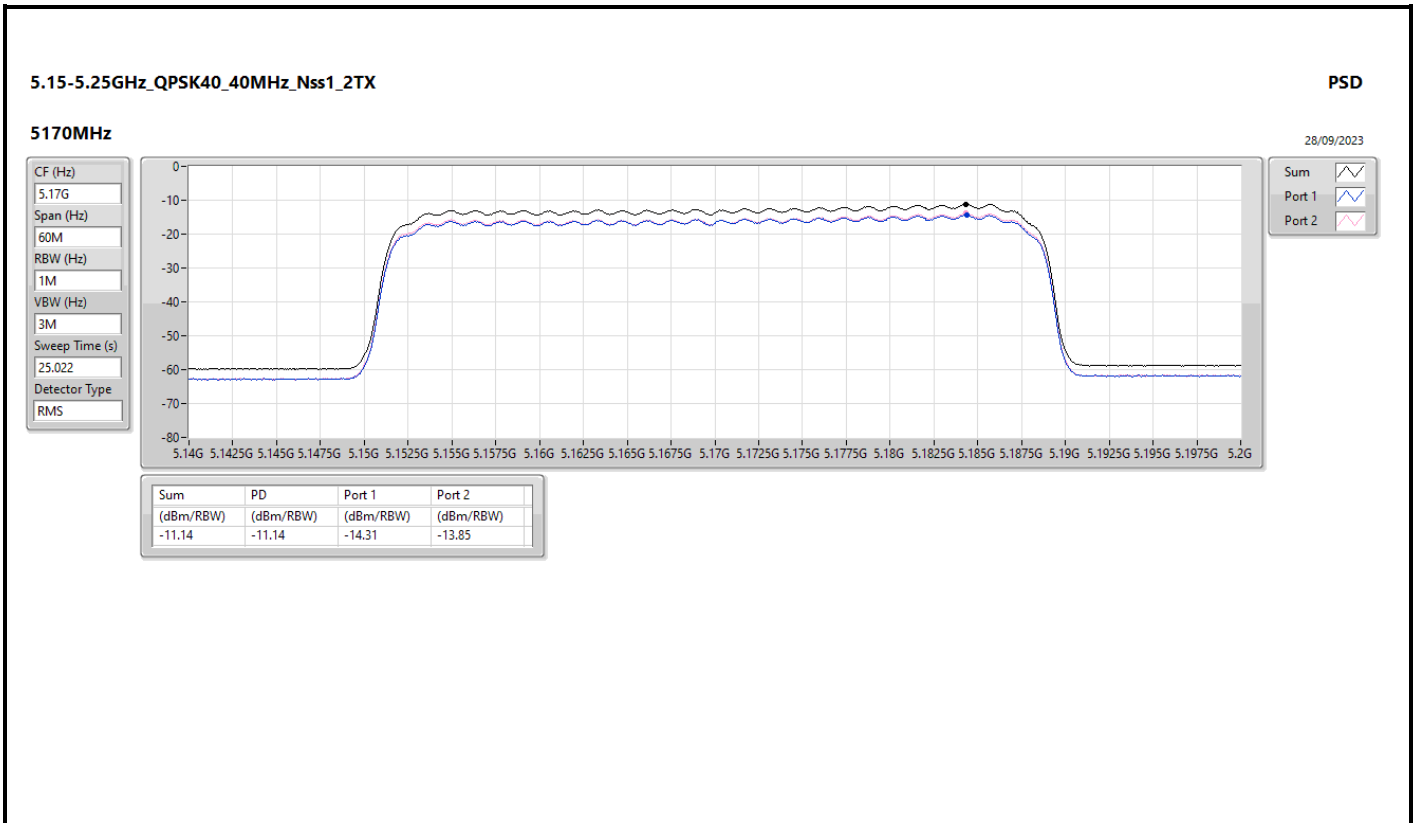


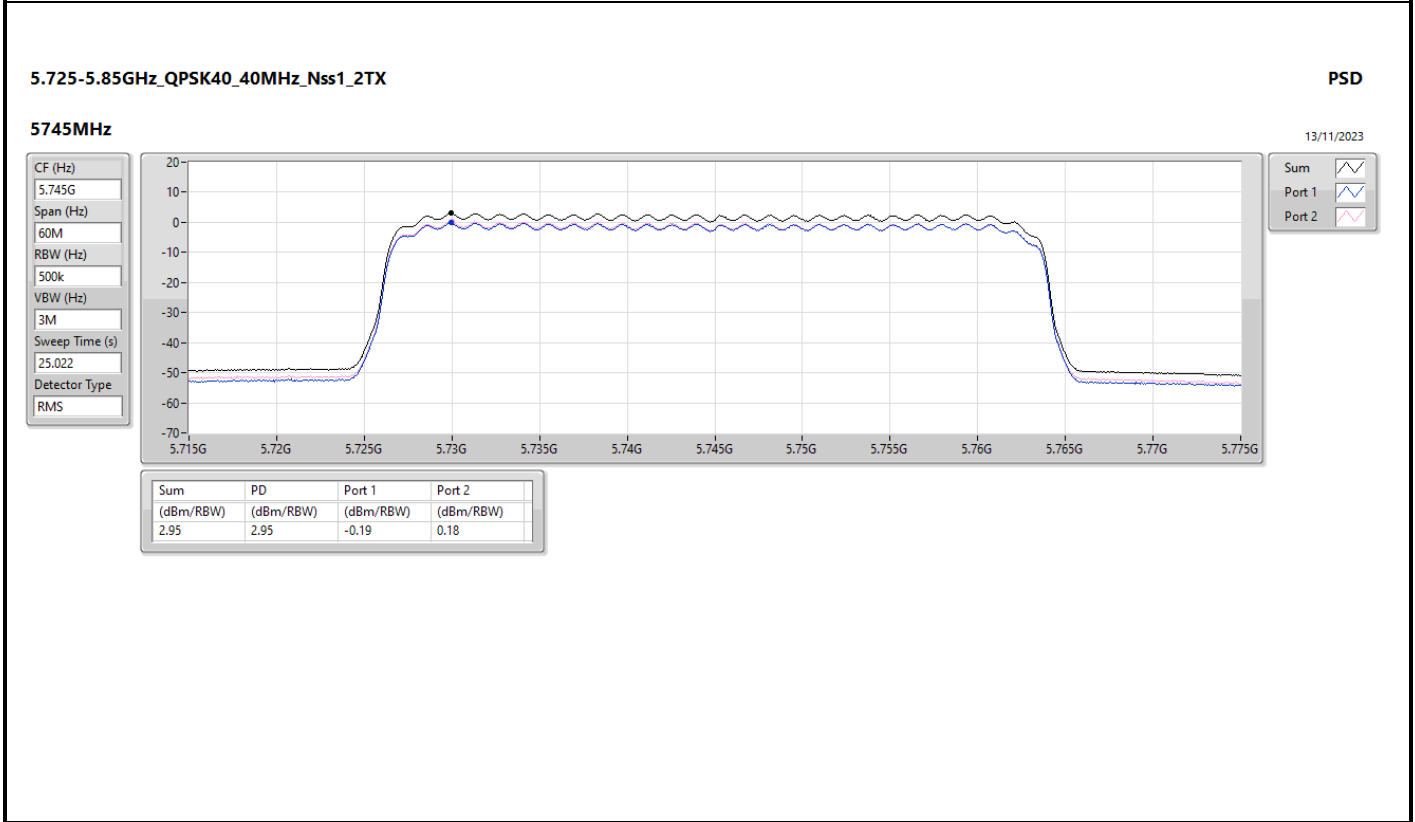
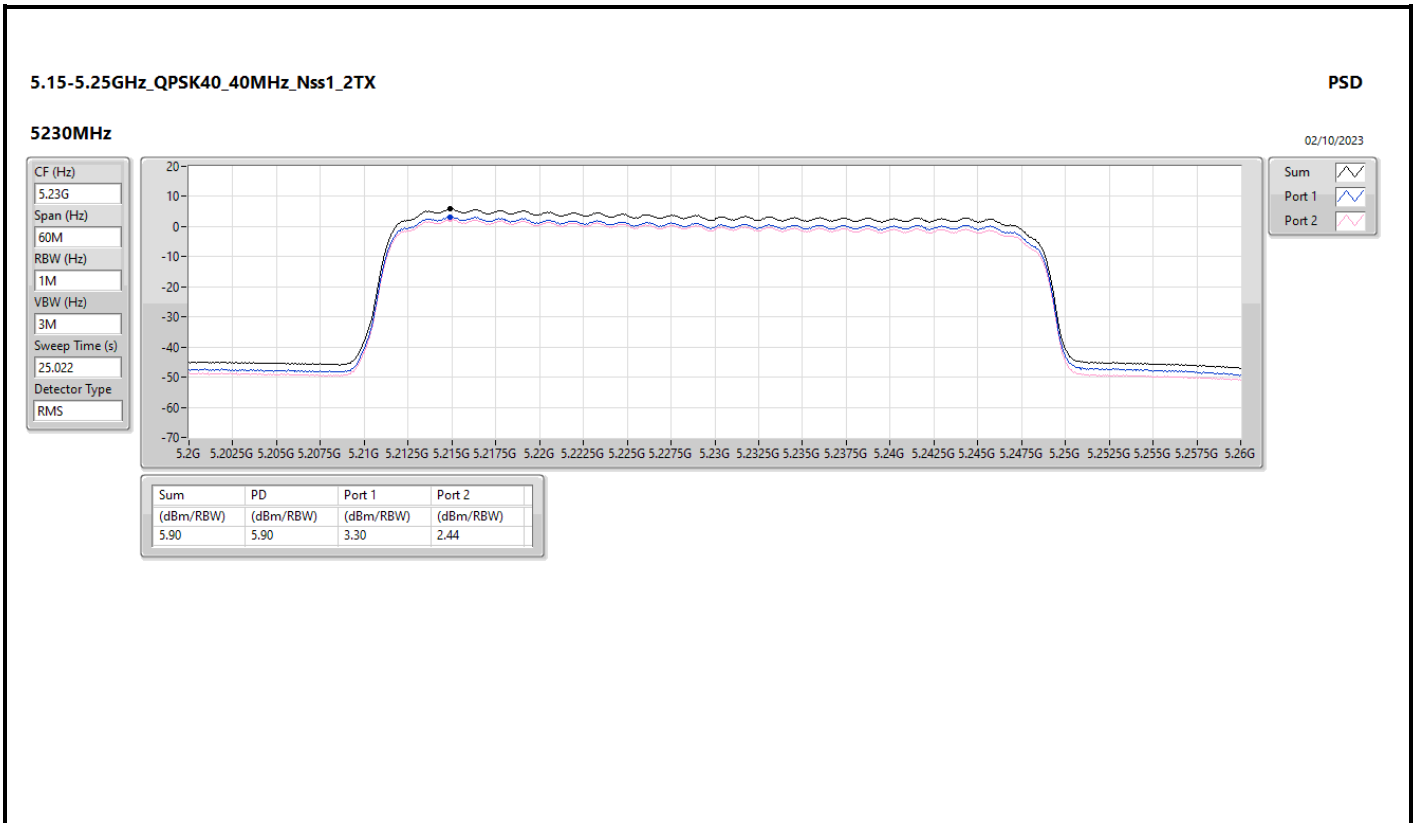


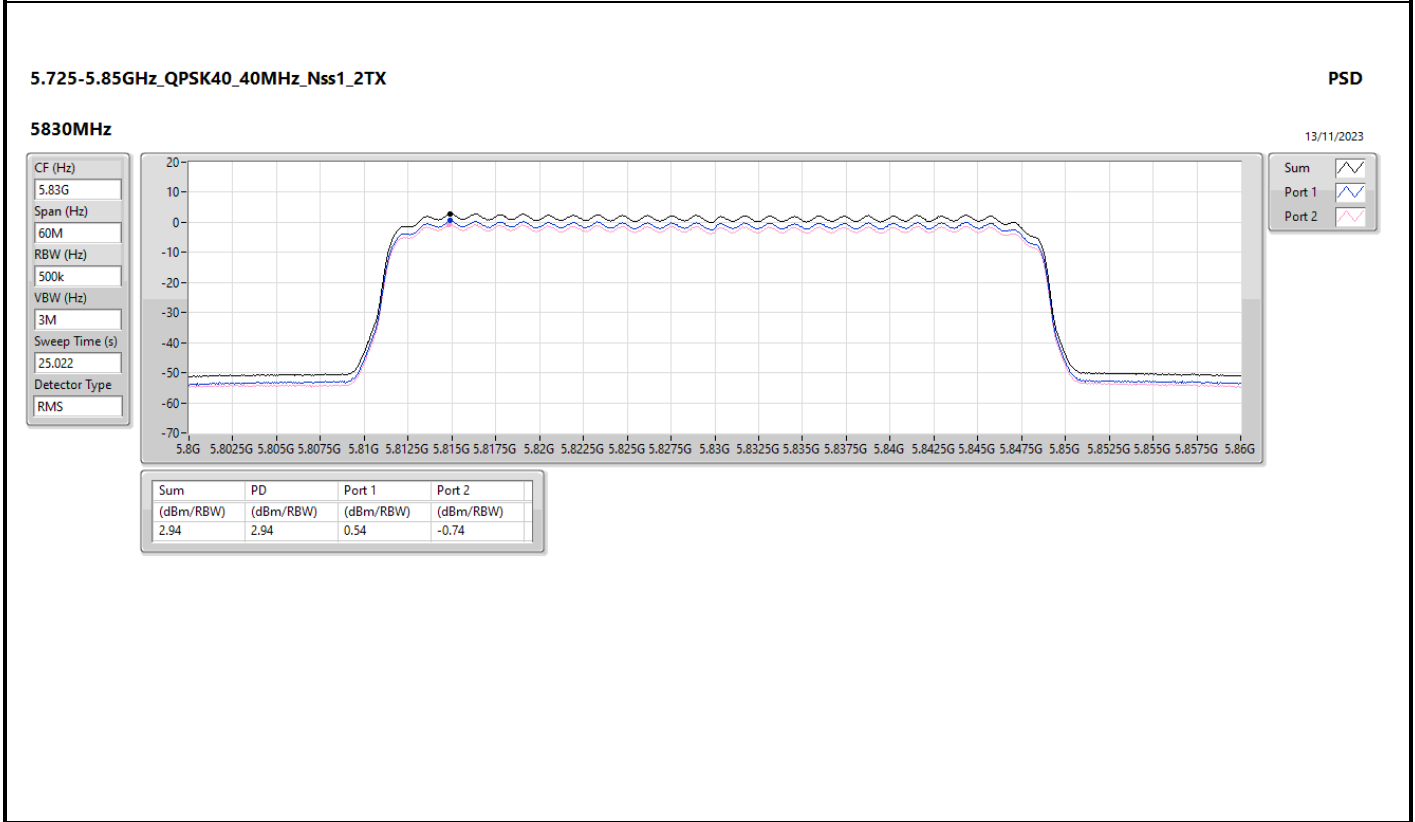
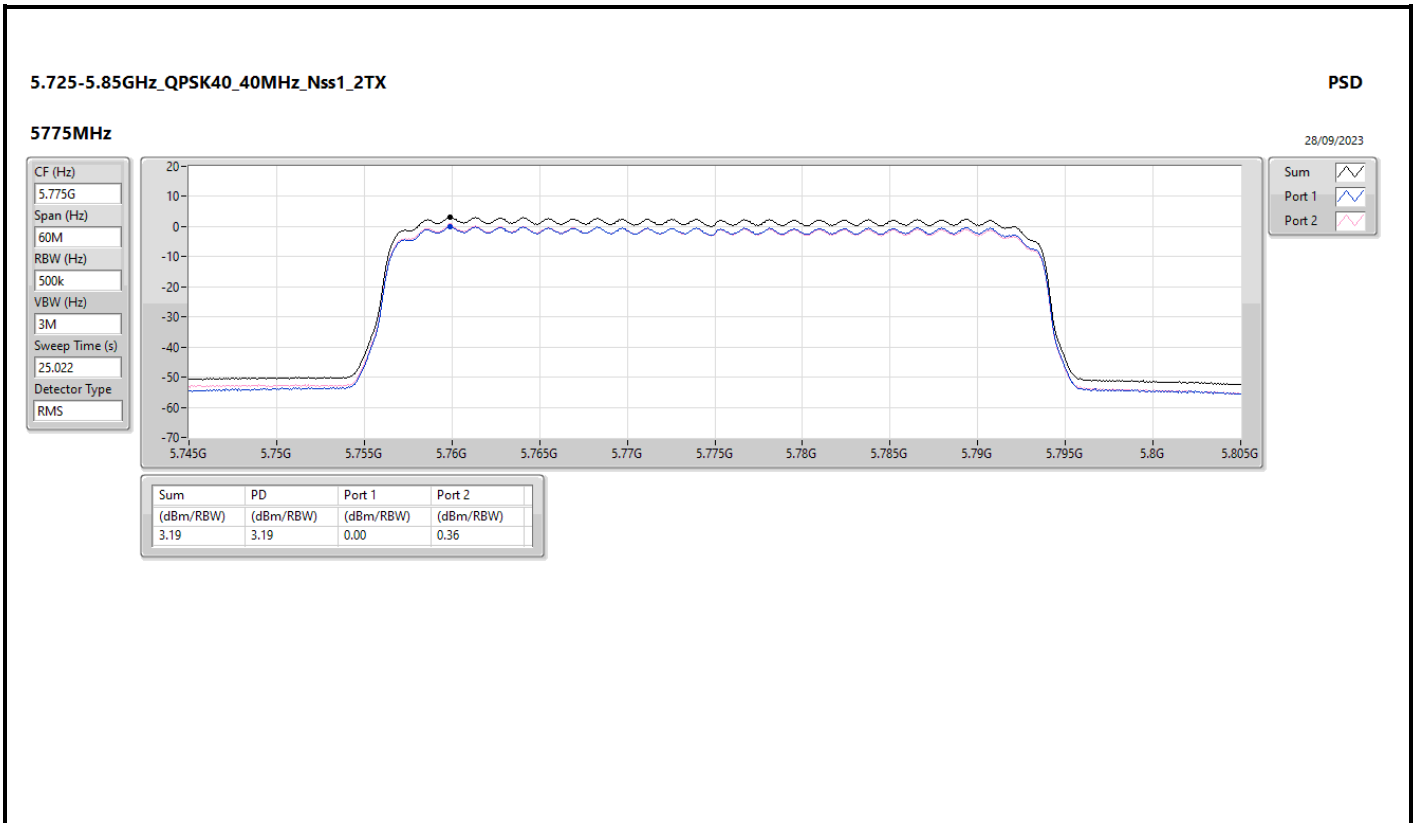














Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
QPSK20+20_20MHz+20MHz_Nss1_2TX(Port1&Port2)	-2.20
QPSK30+30_30MHz+30MHz_Nss1_2TX(Port1&Port2)	-2.15
QPSK40+40_40MHz+40MHz_Nss1_2TX(Port1&Port2)	-1.99
5.725-5.85GHz	-
QPSK20+20_20MHz+20MHz_Nss1_2TX(Port3&Port4)	-1.80
QPSK30+30_30MHz+30MHz_Nss1_2TX(Port3&Port4)	-2.94
QPSK40+40_40MHz+40MHz_Nss1_2TX(Port3&Port4)	-3.28

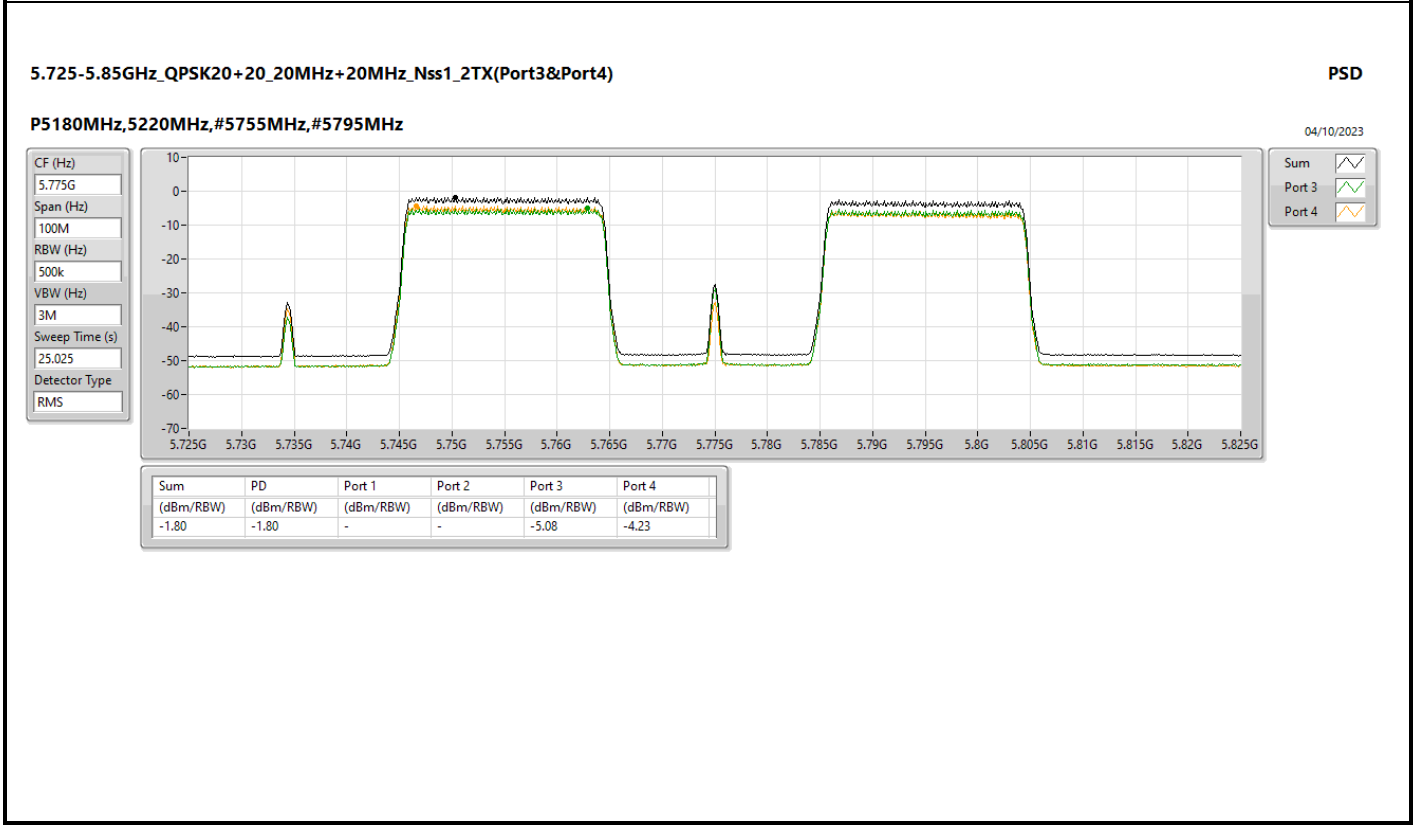
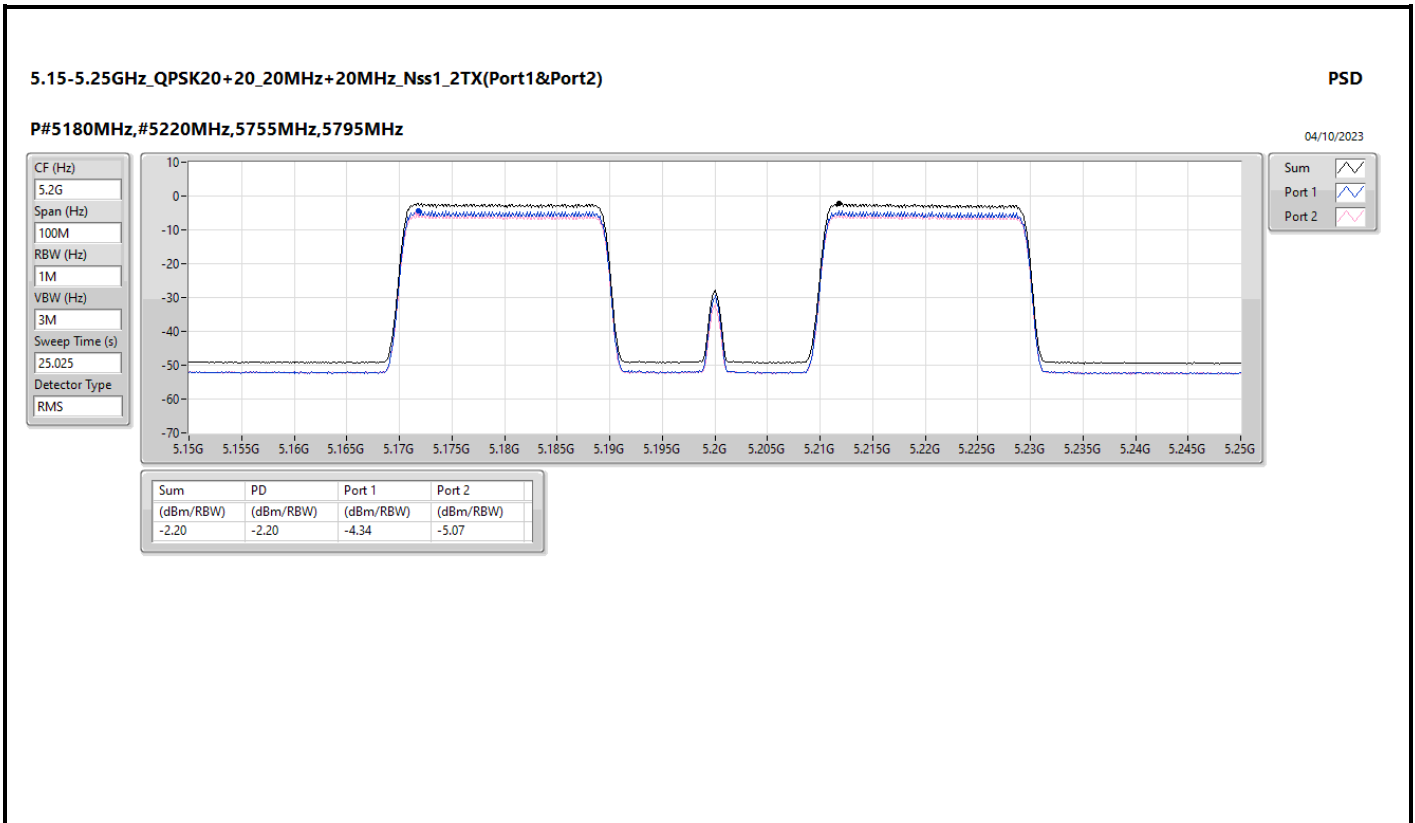
RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

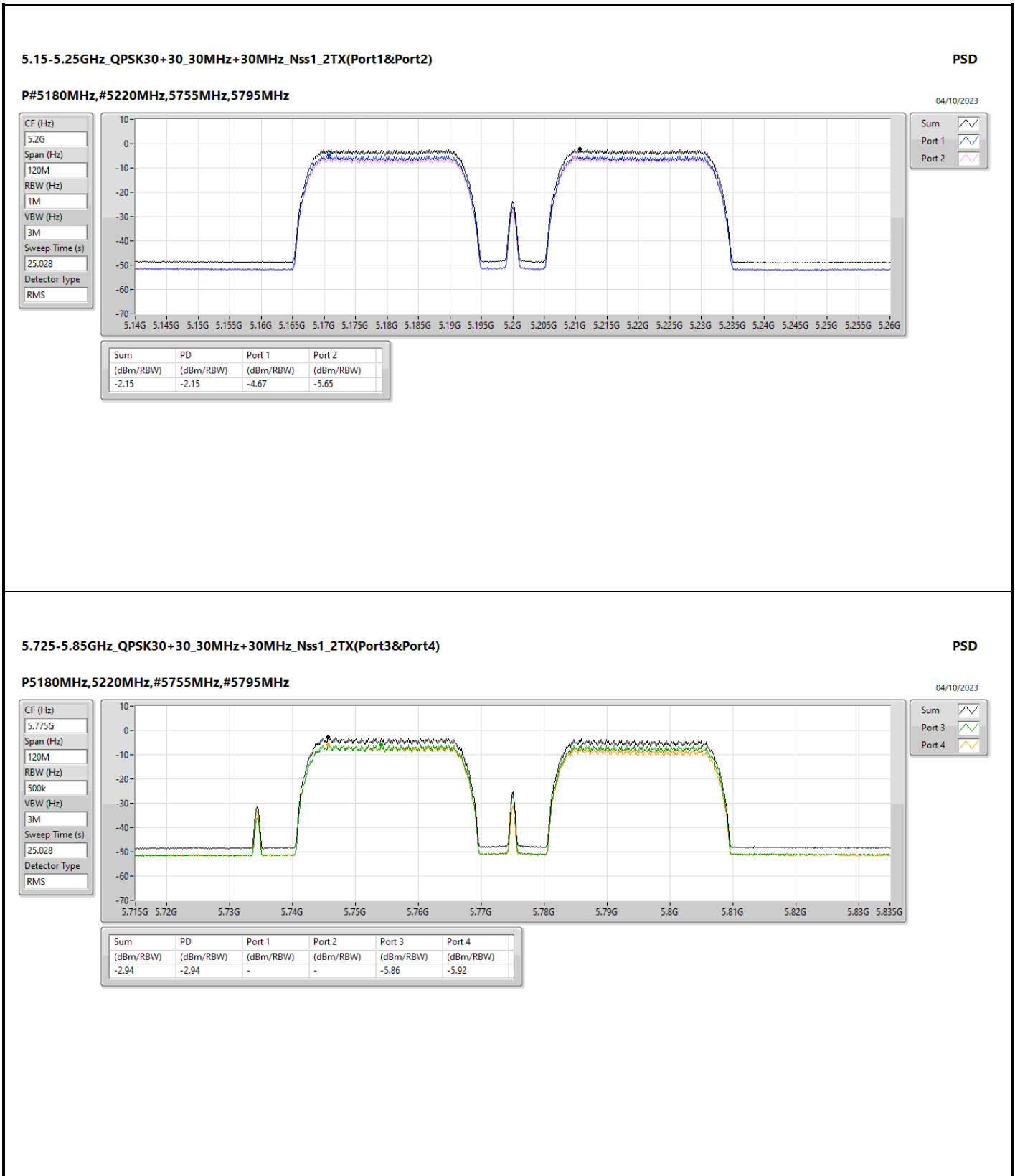


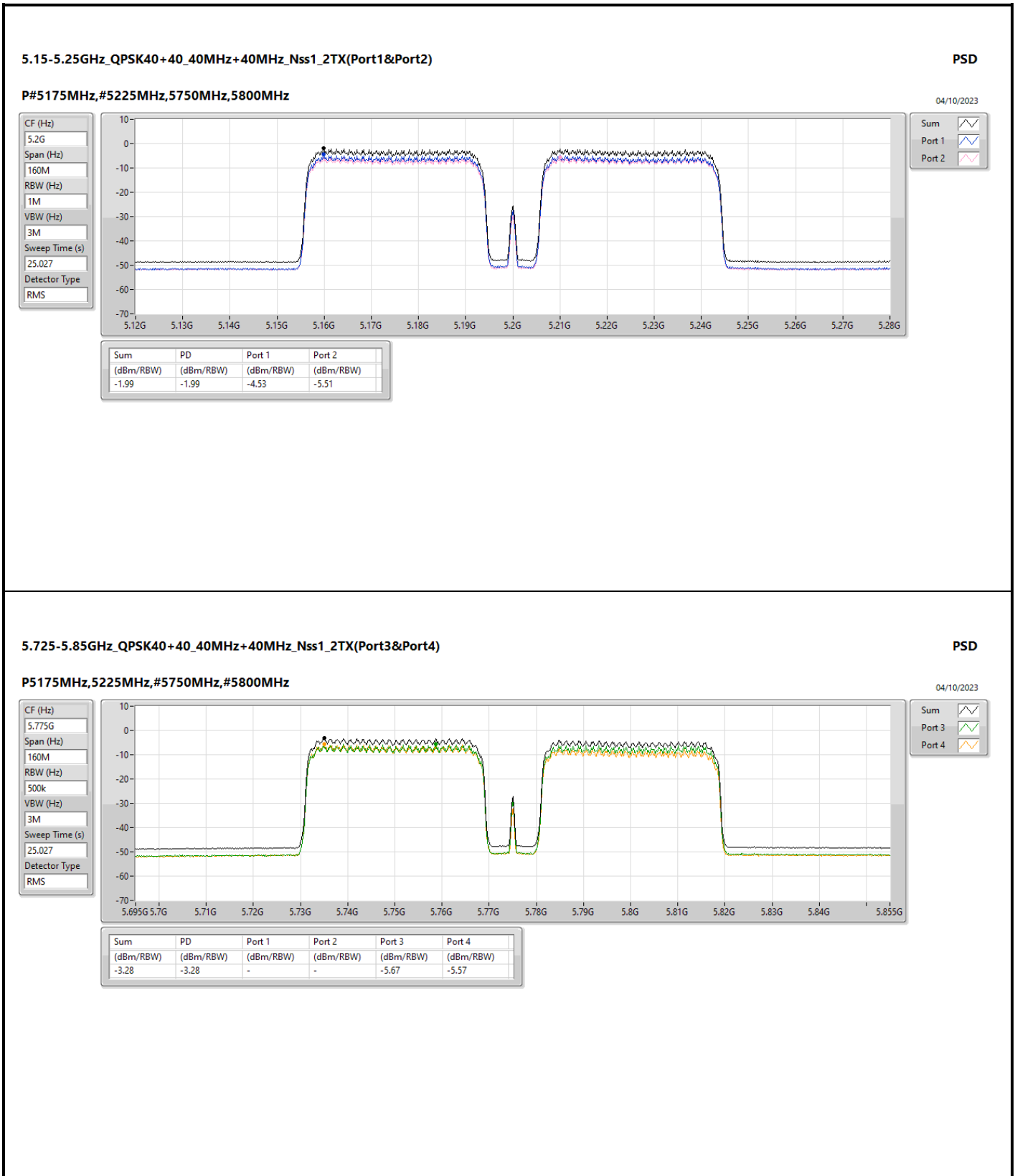
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
QPSK20+20_20MHz+20MHz_Nss1_2TX(Port1&Port2)	-	-	-	-	-	-	-	-
P#5180MHz,#5220MHz,5755MHz,5795MHz	Pass	15.962	-4.34	-5.07	-	-	-2.20	7.04
QPSK20+20_20MHz+20MHz_Nss1_2TX(Port3&Port4)	-	-	-	-	-	-	-	-
P5180MHz,5220MHz,#5755MHz,#5795MHz	Pass	15.958	-	-	-5.08	-4.23	-1.80	20.04
QPSK30+30_30MHz+30MHz_Nss1_2TX(Port1&Port2)	-	-	-	-	-	-	-	-
P#5180MHz,#5220MHz,5755MHz,5795MHz	Pass	15.962	-4.67	-5.65	-	-	-2.15	7.04
QPSK30+30_30MHz+30MHz_Nss1_2TX(Port3&Port4)	-	-	-	-	-	-	-	-
P5180MHz,5220MHz,#5755MHz,#5795MHz	Pass	15.958	-	-	-5.86	-5.92	-2.94	20.04
QPSK40+40_40MHz+40MHz_Nss1_2TX(Port1&Port2)	-	-	-	-	-	-	-	-
P#5175MHz,#5225MHz,5750MHz,5800MHz	Pass	15.962	-4.53	-5.51	-	-	-1.99	7.04
QPSK40+40_40MHz+40MHz_Nss1_2TX(Port3&Port4)	-	-	-	-	-	-	-	-
P5175MHz,5225MHz,#5750MHz,#5800MHz	Pass	15.958	-	-	-5.67	-5.57	-3.28	20.04

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;





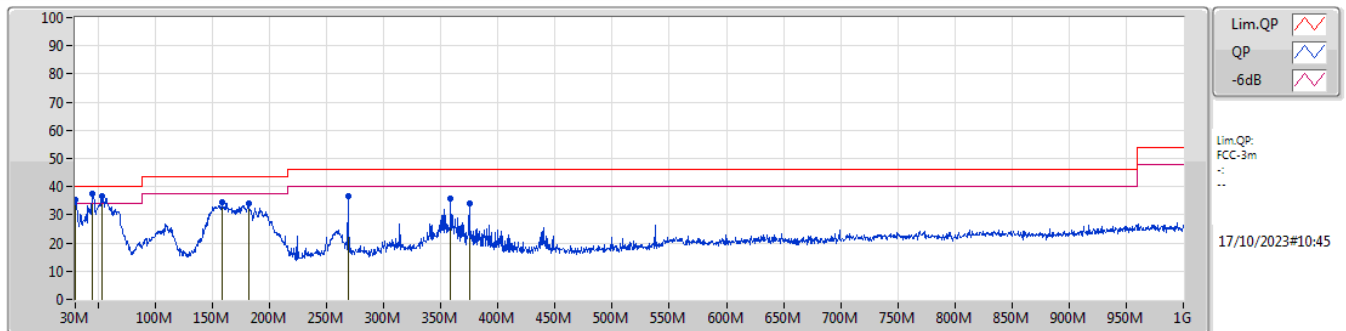




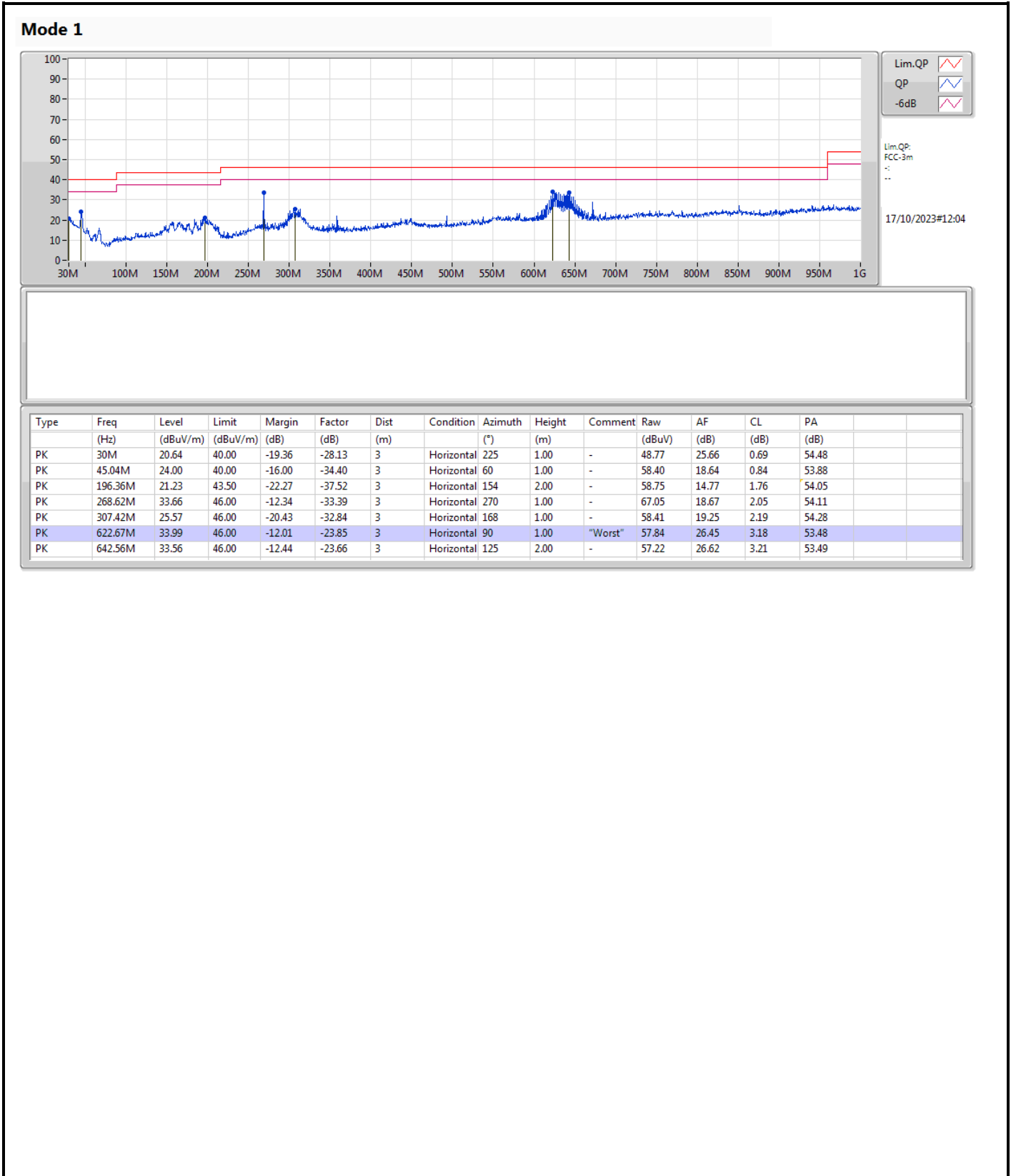
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	PK	45.04M	37.40	40.00	-2.60	Vertical

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	30.49M	35.31	40.00	-4.69	-28.27	3	Vertical	20	1.00	-	63.58	25.48	0.70	54.45
PK	45.04M	37.40	40.00	-2.60	-34.40	3	Vertical	36	1.00	"Worst"	71.80	18.64	0.84	53.88
PK	53.77M	36.45	40.00	-3.55	-39.39	3	Vertical	95	1.00	-	75.84	13.82	0.93	54.14
PK	158.53M	34.29	43.50	-9.21	-36.04	3	Vertical	205	1.00	-	70.33	16.71	1.56	54.31
PK	181.81M	33.97	43.50	-9.53	-37.45	3	Vertical	68	2.00	-	71.42	14.97	1.73	54.15
PK	268.62M	36.72	46.00	-9.28	-33.39	3	Vertical	181	1.00	-	70.11	18.67	2.05	54.11
PK	358.35M	35.96	46.00	-10.04	-31.62	3	Vertical	236	1.00	-	67.58	20.50	2.38	54.50
PK	374.84M	34.11	46.00	-11.89	-30.98	3	Vertical	108	2.00	-	65.09	20.96	2.45	54.39



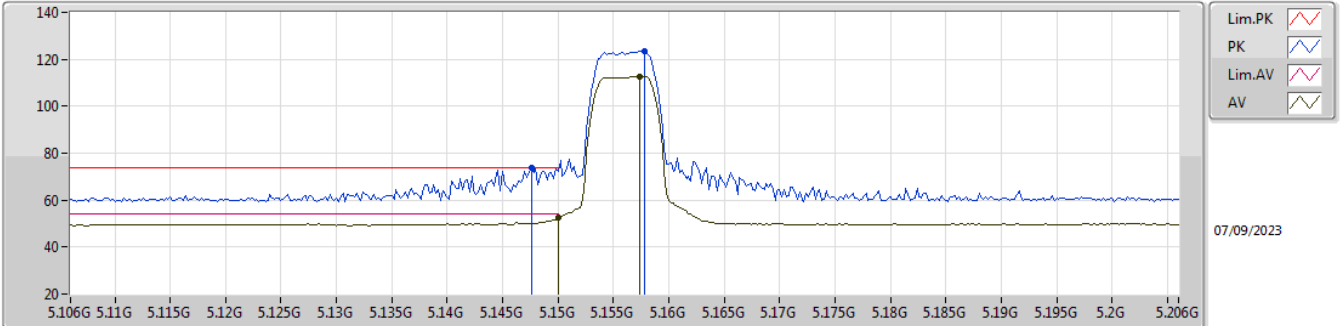


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-
QPSK15_15MHz_Nss1_2TX	Pass	AV	5.375G	53.96	54.00	-0.04	3	Vertical	353	1.74	-

5.15-5.25GHz_QPSK5_5MHz_Nss1_2TX

5156MHz_TX

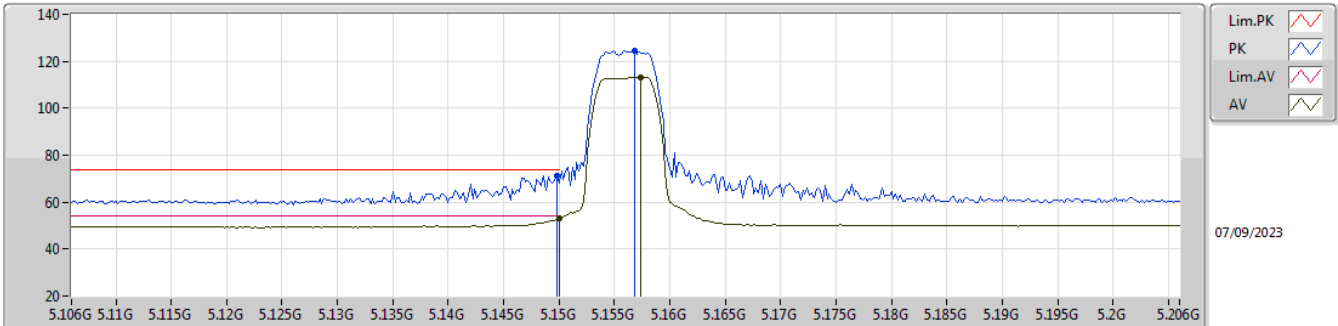


EUT Y_2TX
Setting -15 (12/3000)
02-P-P-5-10

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	5.1476G	73.89	74.00	-0.11	65.20	3	Vertical	15	1.68	-	33.60	5.77	30.68
AV	5.15G	52.65	54.00	-1.35	43.95	3	Vertical	15	1.68	-	33.60	5.78	30.68
PK	5.1578G	123.65	Inf	-Inf	114.93	3	Vertical	15	1.68	-	33.63	5.78	30.69
AV	5.1574G	112.68	Inf	-Inf	103.96	3	Vertical	15	1.68	-	33.63	5.78	30.69

5.15-5.25GHz_QPSK5_5MHz_Nss1_2TX

5156MHz_TX

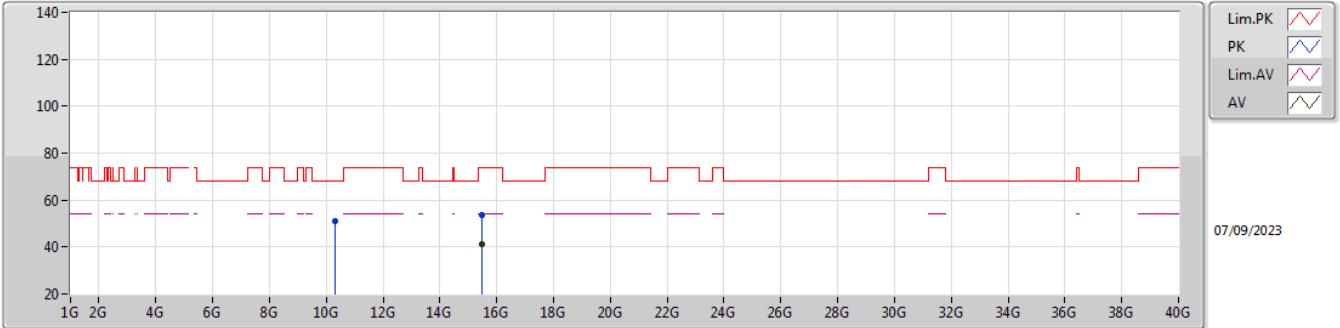


EUT Y_2TX
 Setting -15 (12/3000)
 02-P-P-5-10

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	5.1498G	71.40	74.00	-2.60	62.71	3	Horizontal	7	1.68	-	33.60	5.77	30.68
AV	5.15G	52.94	54.00	-1.06	44.24	3	Horizontal	7	1.68	-	33.60	5.78	30.68
PK	5.1568G	124.67	Inf	-Inf	115.95	3	Horizontal	7	1.68	-	33.63	5.78	30.69
AV	5.1574G	113.33	Inf	-Inf	104.61	3	Horizontal	7	1.68	-	33.63	5.78	30.69

5.15-5.25GHz_QPSK5_5MHz_Nss1_2TX

5156MHz_TX

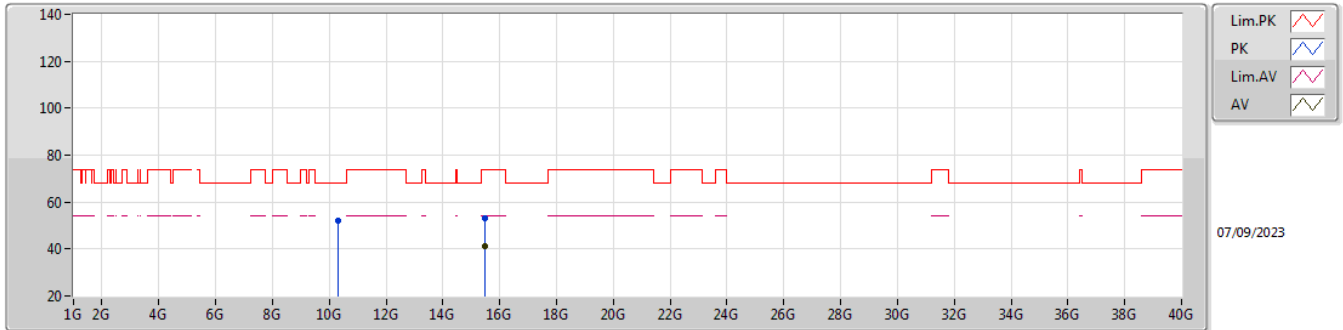


EUT Y_2TX
 Setting -15 (12/3000)
 02-P-P-5

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	10.30942G	51.04	68.20	-17.16	47.07	3	Vertical	60	1.87	-	38.58	8.41	43.02
PK	15.46498G	53.49	74.00	-20.51	47.59	3	Vertical	314	2.49	-	38.21	10.29	42.60
AV	15.47018G	41.27	54.00	-12.73	35.40	3	Vertical	314	2.49	-	38.18	10.29	42.60

5.15-5.25GHz_QPSK5_5MHz_Nss1_2TX

5156MHz_TX

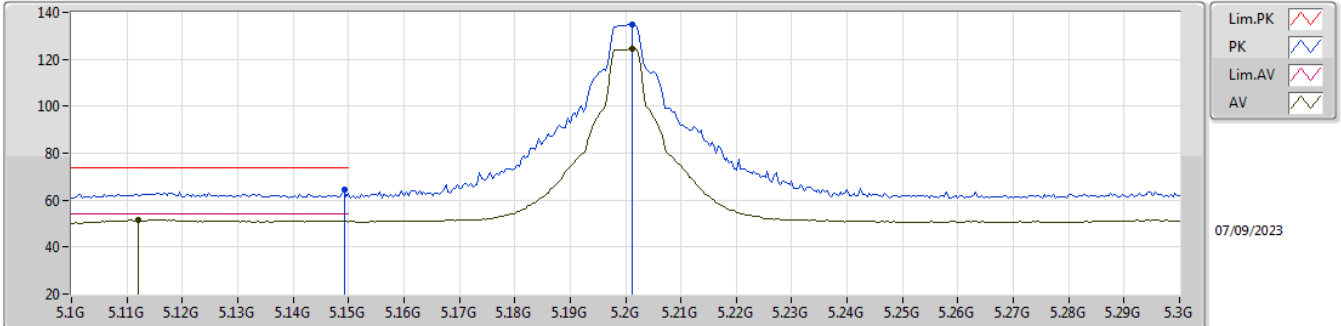


EUT Y_2TX
Setting -15 (12/3000)
02-P-P-5

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	10.30548G	52.10	68.20	-16.10	48.12	3	Horizontal	65	1.64	-	38.59	8.41	43.02
PK	15.4636G	53.29	74.00	-20.71	47.38	3	Horizontal	23	1.09	-	38.22	10.29	42.60
AV	15.465G	41.32	54.00	-12.68	35.42	3	Horizontal	23	1.09	-	38.21	10.29	42.60

5.15-5.25GHz_QPSK5_5MHz_Nss1_2TX

5200MHz_TX

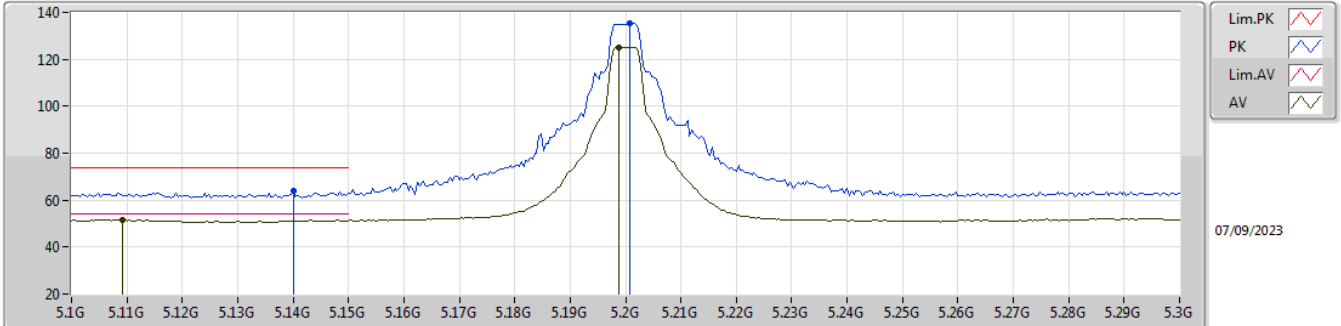


EUT Y_2TX
 Setting -6 (6/0)
 02-P-P-5-10

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	5.1492G	64.30	74.00	-9.70	55.61	3	Vertical	30	1.70	-	33.60	5.77	30.68
AV	5.112G	51.55	54.00	-2.45	42.92	3	Vertical	30	1.70	-	33.52	5.76	30.65
PK	5.2012G	134.73	Inf	-Inf	125.85	3	Vertical	30	1.70	-	33.80	5.80	30.72
AV	5.2012G	124.43	Inf	-Inf	115.55	3	Vertical	30	1.70	-	33.80	5.80	30.72

5.15-5.25GHz_QPSK5_5MHz_Nss1_2TX

5200MHz_TX

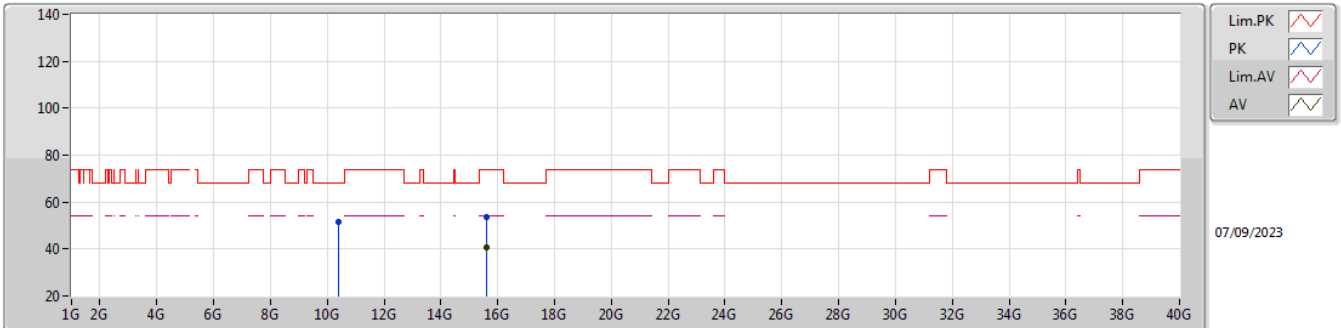


EUT Y_2TX
 Setting -6 (6/0)
 02-P-P-5-10

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	5.14G	63.75	74.00	-10.25	55.07	3	Horizontal	8	1.68	-	33.58	5.77	30.67
AV	5.1092G	51.70	54.00	-2.30	43.08	3	Horizontal	8	1.68	-	33.52	5.75	30.65
PK	5.2008G	135.51	Inf	-Inf	126.63	3	Horizontal	8	1.68	-	33.80	5.80	30.72
AV	5.1988G	125.06	Inf	-Inf	116.18	3	Horizontal	8	1.68	-	33.80	5.80	30.72

5.15-5.25GHz_QPSK5_5MHz_Nss1_2TX

5200MHz_TX

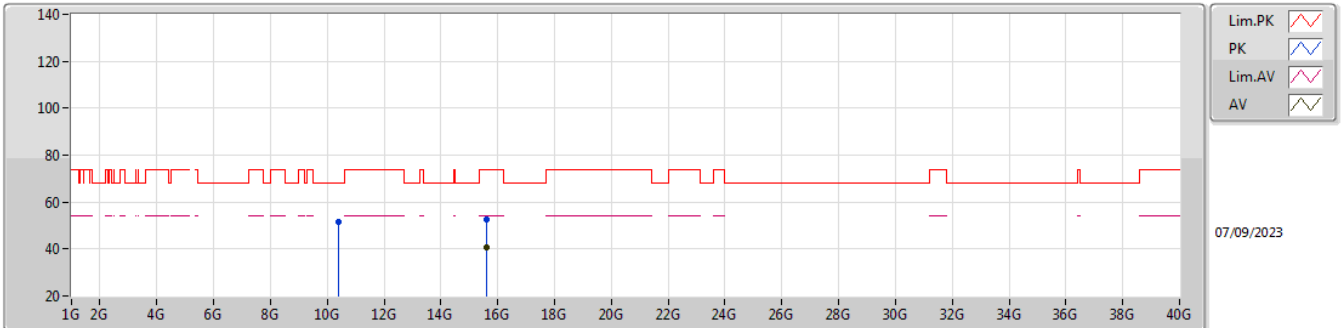


EUT_Y_2TX
 Setting -6 (6/0)
 02-P-P-5

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	10.40012G	51.43	68.20	-16.77	47.62	3	Vertical	34	2.86	-	38.40	8.44	43.03
PK	15.60136G	53.42	74.00	-20.58	47.87	3	Vertical	5	1.30	-	37.70	10.34	42.49
AV	15.59532G	40.71	54.00	-13.29	35.16	3	Vertical	5	1.30	-	37.71	10.34	42.50

5.15-5.25GHz_QPSK5_5MHz_Nss1_2TX

5200MHz_TX

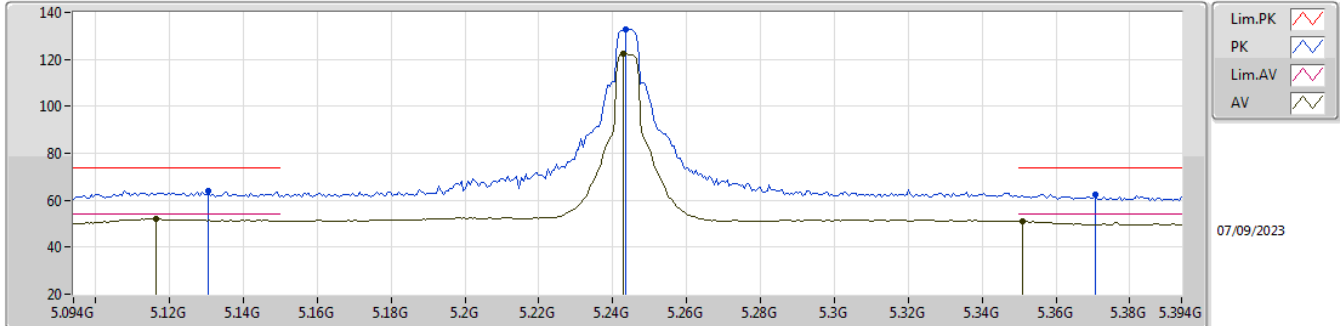


EUT Y_2TX
 Setting -6 (6/0)
 02-P-P-5

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	10.40664G	51.62	68.20	-16.58	47.81	3	Horizontal	56	1.17	-	38.40	8.44	43.03
PK	15.59144G	52.69	74.00	-21.31	47.13	3	Horizontal	243	2.58	-	37.72	10.34	42.50
AV	15.59368G	40.73	54.00	-13.27	35.18	3	Horizontal	243	2.58	-	37.71	10.34	42.50

5.15-5.25GHz_QPSK5_5MHz_Nss1_2TX

5244MHz_TX

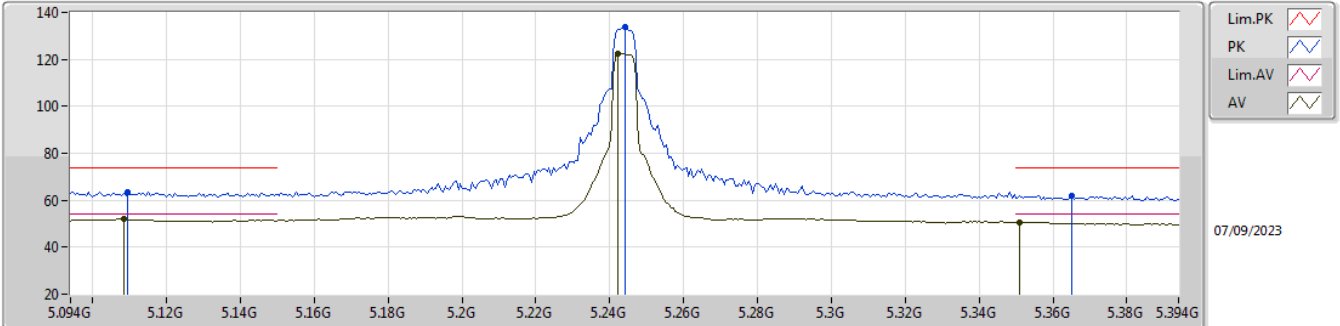


EUT_Y_2TX
Setting -6 (6/0)
02-P-P-5-10

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	5.1306G	63.96	74.00	-10.04	55.29	3	Vertical	29	1.71	-	33.56	5.77	30.66
AV	5.1162G	52.06	54.00	-1.94	43.42	3	Vertical	29	1.71	-	33.53	5.76	30.65
PK	5.2434G	132.91	Inf	-Inf	124.04	3	Vertical	29	1.71	-	33.80	5.82	30.75
AV	5.2428G	122.30	Inf	-Inf	113.43	3	Vertical	29	1.71	-	33.80	5.82	30.75
PK	5.3706G	62.39	74.00	-11.61	53.36	3	Vertical	29	1.71	-	34.00	5.89	30.86
AV	5.3508G	51.05	54.00	-2.95	42.01	3	Vertical	29	1.71	-	34.00	5.88	30.84

5.15-5.25GHz_QPSK5_5MHz_Nss1_2TX

5244MHz_TX

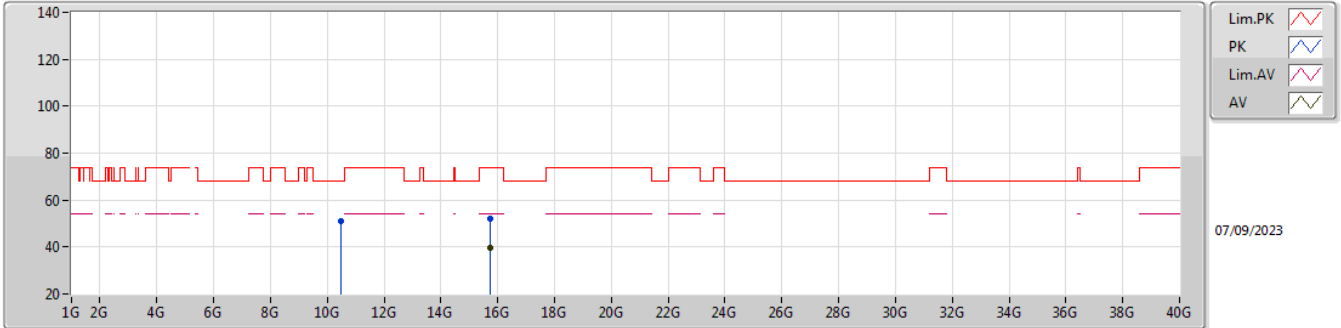


EUT_Y_2TX
Setting -6 (6/0)
02-P-P-5-10

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	5.1096G	63.58	74.00	-10.42	54.96	3	Horizontal	8	1.67	-	33.52	5.75	30.65
AV	5.1084G	51.86	54.00	-2.14	43.24	3	Horizontal	8	1.67	-	33.52	5.75	30.65
PK	5.244G	133.90	Inf	-Inf	125.04	3	Horizontal	8	1.67	-	33.80	5.82	30.76
AV	5.2422G	122.35	Inf	-Inf	113.48	3	Horizontal	8	1.67	-	33.80	5.82	30.75
PK	5.3652G	61.84	74.00	-12.16	52.81	3	Horizontal	8	1.67	-	34.00	5.88	30.85
AV	5.3508G	50.67	54.00	-3.33	41.63	3	Horizontal	8	1.67	-	34.00	5.88	30.84

5.15-5.25GHz_QPSK5_5MHz_Nss1_2TX

5244MHz_TX

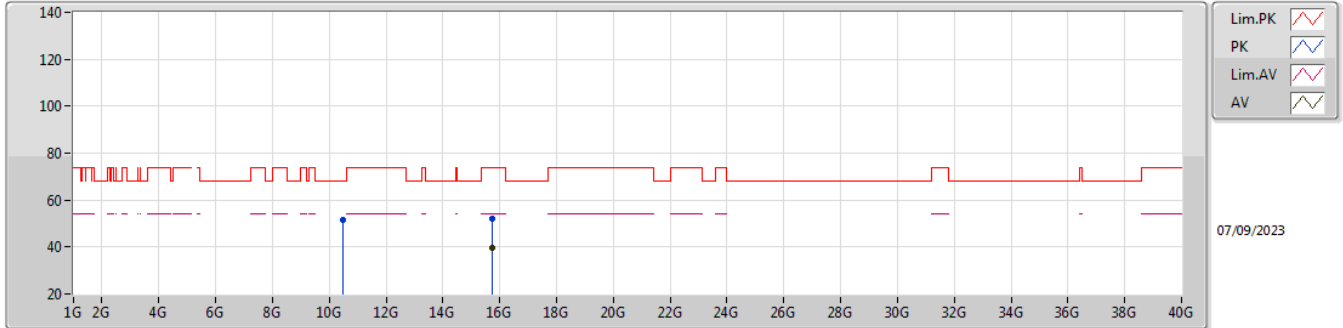


EUT Y_2TX
 Setting -6 (6/0)
 02-P-P-5

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	10.47804G	50.82	68.20	-17.38	46.99	3	Vertical	264	1.87	-	38.40	8.47	43.04
PK	15.7256G	52.16	74.00	-21.84	46.42	3	Vertical	142	2.35	-	37.70	10.39	42.35
AV	15.73416G	39.84	54.00	-14.16	34.13	3	Vertical	142	2.35	-	37.66	10.39	42.34

5.15-5.25GHz_QPSK5_5MHz_Nss1_2TX

5244MHz_TX

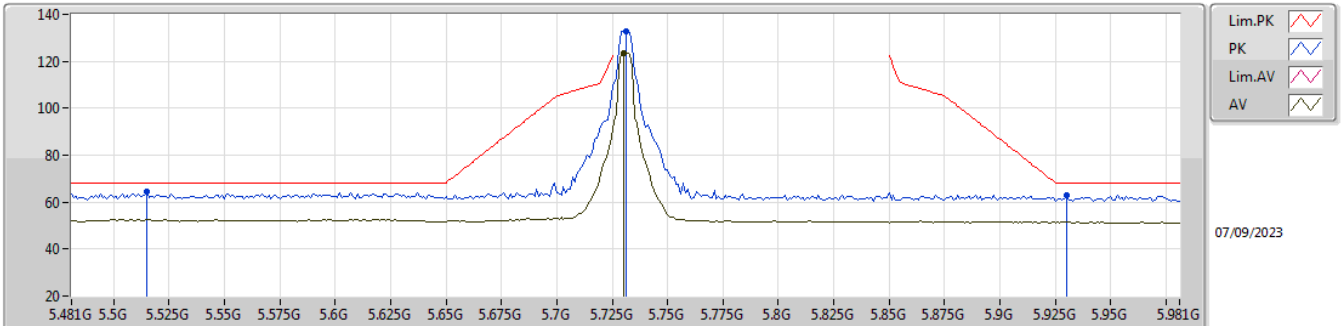


EUT Y_2TX
Setting -6 (6/0)
02-P-P-5

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	10.48968G	51.33	68.20	-16.87	47.50	3	Horizontal	180	1.66	-	38.40	8.47	43.04
PK	15.72868G	51.87	74.00	-22.13	46.13	3	Horizontal	300	2.45	-	37.69	10.39	42.34
AV	15.74128G	39.68	54.00	-14.32	33.98	3	Horizontal	300	2.45	-	37.63	10.40	42.33

5.725-5.85GHz_QPSK5_5MHz_Nss1_2TX

5731MHz_TX

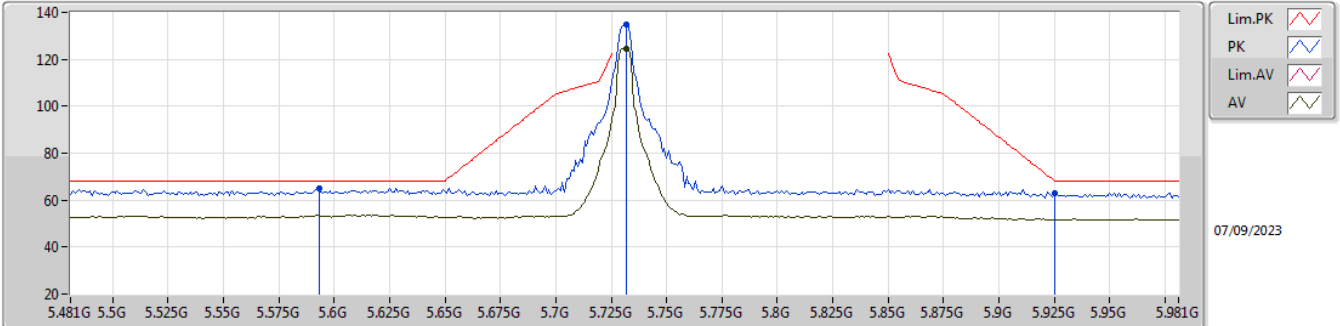


EUT_V_2TX
 Setting -6 (6/0)
 02-P-P-5-10

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	5.515G	64.65	68.20	-3.55	55.51	3	Vertical	28	1.69	-	34.10	6.01	30.97
PK	5.731G	133.00	Inf	-Inf	123.97	3	Vertical	28	1.69	-	34.00	6.10	31.07
AV	5.73G	123.31	Inf	-Inf	114.28	3	Vertical	28	1.69	-	34.00	6.10	31.07
PK	5.93G	62.82	68.20	-5.38	53.49	3	Vertical	28	1.69	-	34.26	6.23	31.16

5.725-5.85GHz_QPSK5_5MHz_Nss1_2TX

5731MHz_TX

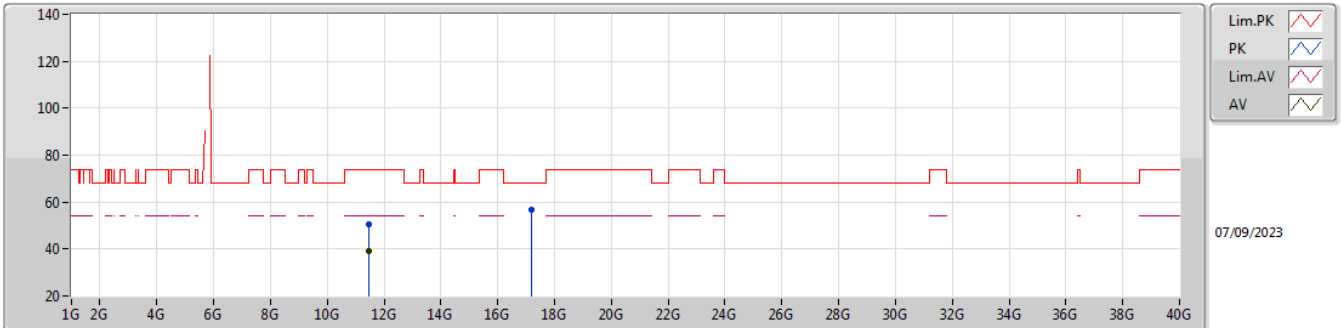


EUT_V_2TX
 Setting -6 (6/0)
 02-P-P-5-10

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	5.593G	64.94	68.20	-3.26	55.84	3	Horizontal	-0	1.69	-	34.01	6.09	31.00
PK	5.732G	134.77	Inf	-Inf	125.74	3	Horizontal	-0	1.69	-	34.00	6.10	31.07
AV	5.732G	124.50	Inf	-Inf	115.47	3	Horizontal	-0	1.69	-	34.00	6.10	31.07
PK	5.925G	63.06	68.20	-5.14	53.75	3	Horizontal	-0	1.69	-	34.25	6.22	31.16

5.725-5.85GHz_QPSK5_5MHz_Nss1_2TX

5731MHz_TX

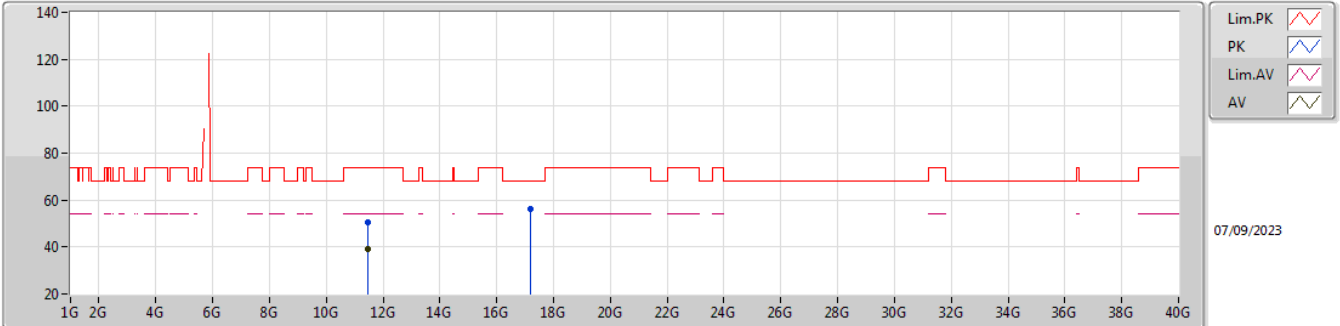


EUT Y_2TX
 Setting -6 (6/0)
 02-P-P-5

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	11.47184G	50.67	74.00	-23.33	46.30	3	Vertical	320	1.16	-	38.84	8.82	43.29
AV	11.4526G	39.08	54.00	-14.92	34.74	3	Vertical	320	1.16	-	38.81	8.81	43.28
PK	17.19152G	56.72	68.20	-11.48	45.97	3	Vertical	87	3.00	-	41.87	10.92	42.04

5.725-5.85GHz_QPSK5_5MHz_Nss1_2TX

5731MHz_TX

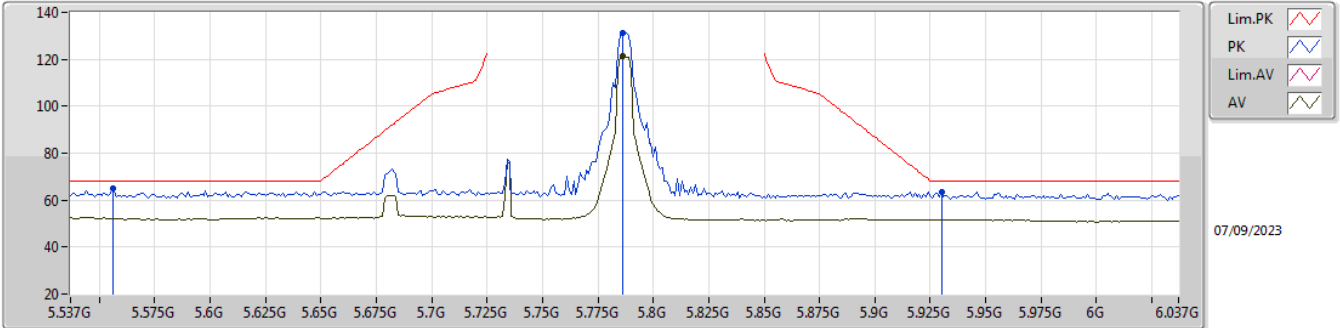


EUT_Y_2TX
Setting -6 (6/0)
02-P-P-5

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	11.46432G	50.54	74.00	-23.46	46.19	3	Horizontal	154	2.09	-	38.83	8.81	43.29
AV	11.45908G	38.91	54.00	-15.09	34.56	3	Horizontal	154	2.09	-	38.82	8.81	43.28
PK	17.19312G	56.41	68.20	-11.79	45.66	3	Horizontal	107	2.49	-	41.87	10.92	42.04

5.725-5.85GHz_QPSK5_5MHz_Nss1_2TX

5787MHz_TX

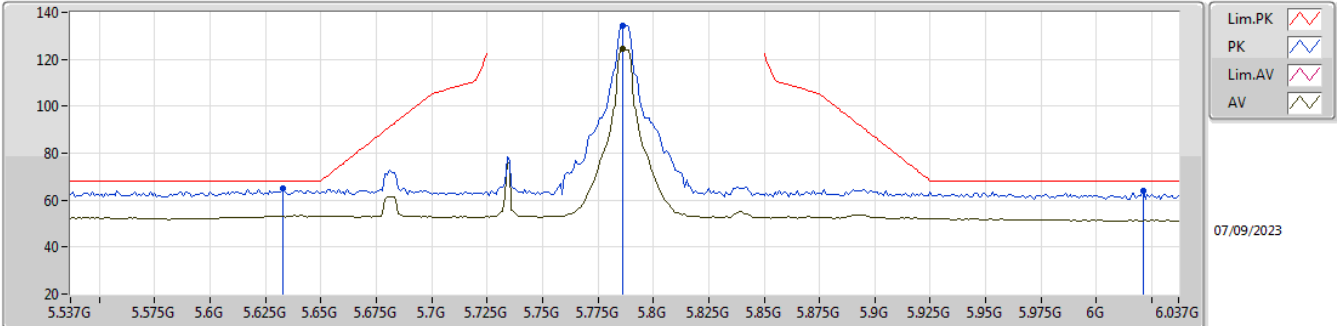


EUT_V_2TX
Setting -6 (6/0)
02-P-P-5-10

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	5.556G	64.82	68.20	-3.38	55.66	3	Vertical	29	1.70	-	34.09	6.06	30.99
PK	5.786G	131.22	Inf	-Inf	122.21	3	Vertical	29	1.70	-	34.00	6.10	31.09
AV	5.786G	121.40	Inf	-Inf	112.39	3	Vertical	29	1.70	-	34.00	6.10	31.09
PK	5.93G	63.34	68.20	-4.86	54.01	3	Vertical	29	1.70	-	34.26	6.23	31.16

5.725-5.85GHz_QPSK5_5MHz_Nss1_2TX

5787MHz_TX

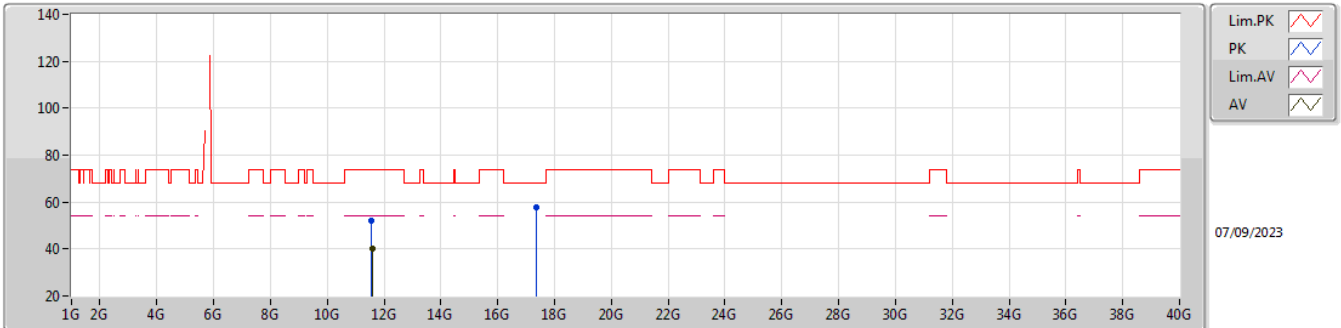


EUT_V_2TX
Setting -6 (6/0)
02-P-P-5-10

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	5.633G	64.79	68.20	-3.41	55.78	3	Horizontal	-0	1.66	-	33.93	6.10	31.02
PK	5.786G	134.55	Inf	-Inf	125.54	3	Horizontal	-0	1.66	-	34.00	6.10	31.09
AV	5.786G	124.32	Inf	-Inf	115.31	3	Horizontal	-0	1.66	-	34.00	6.10	31.09
PK	6.021G	63.95	68.20	-4.25	54.47	3	Horizontal	-0	1.66	-	34.38	6.30	31.20

5.725-5.85GHz_QPSK5_5MHz_Nss1_2TX

5787MHz_TX

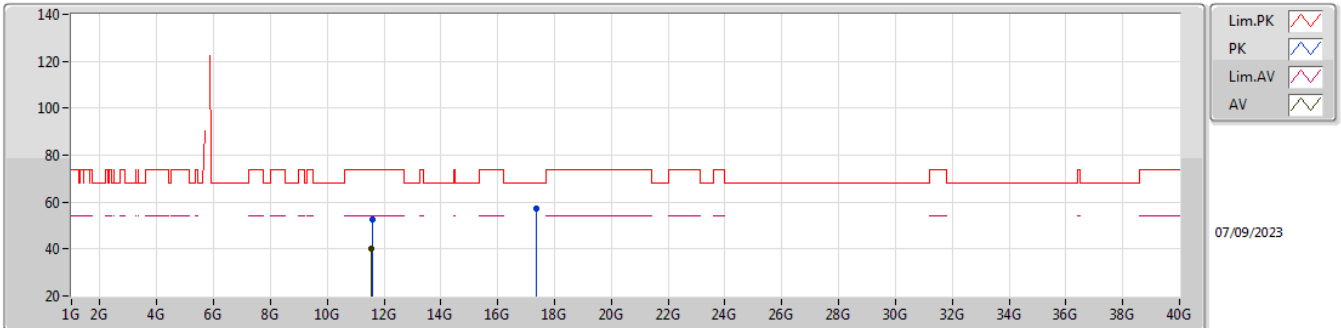


EUT Y_2TX
 Setting -6 (6/0)
 02-P-P-5

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	11.57136G	52.30	74.00	-21.70	47.55	3	Vertical	211	2.24	-	39.19	8.85	43.29
AV	11.57784G	40.43	54.00	-13.57	35.66	3	Vertical	211	2.24	-	39.21	8.85	43.29
PK	17.36012G	57.88	68.20	-10.32	46.04	3	Vertical	311	2.97	-	42.86	10.98	42.00

5.725-5.85GHz_QPSK5_5MHz_Nss1_2TX

5787MHz_TX

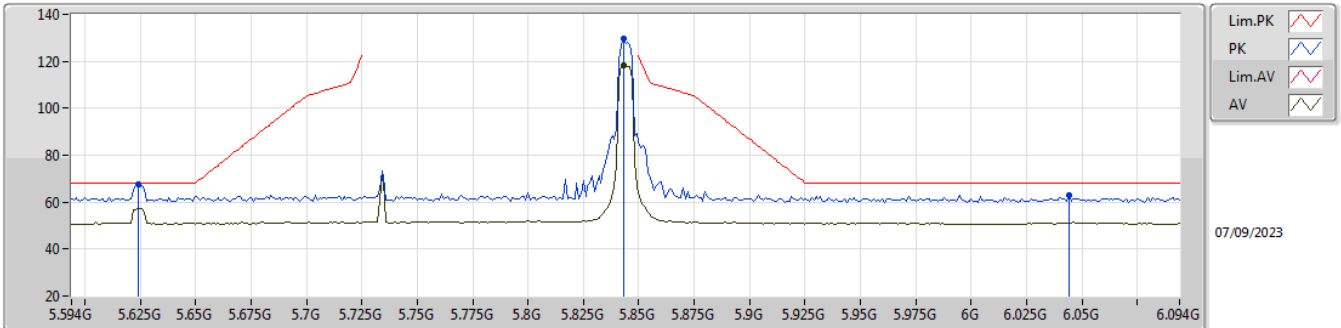


EUT Y_2TX
 Setting -6 (6/0)
 02-P-P-5

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	11.57844G	52.62	74.00	-21.38	47.85	3	Horizontal	360	2.43	-	39.21	8.85	43.29
AV	11.56776G	40.32	54.00	-13.68	35.59	3	Horizontal	360	2.43	-	39.17	8.85	43.29
PK	17.3608G	57.42	68.20	-10.78	45.58	3	Horizontal	312	1.55	-	42.86	10.98	42.00

5.725-5.85GHz_QPSK5_5MHz_Nss1_2TX

5844MHz_TX

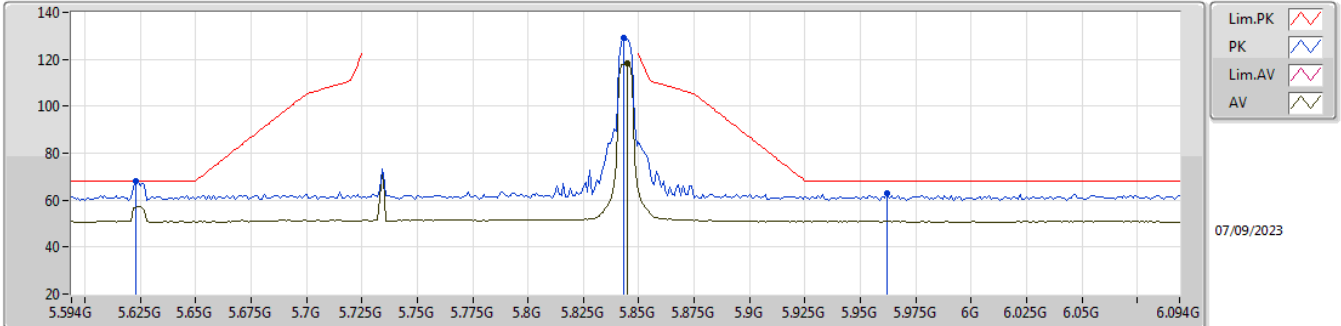


EUT Y_2TX
 Setting -12 (12/0)
 02-P-P-5-10

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	5.624G	67.44	68.20	-0.76	58.41	3	Vertical	-0	1.50	-	33.95	6.10	31.02
PK	5.843G	129.62	Inf	-Inf	120.60	3	Vertical	-0	1.50	-	34.00	6.14	31.12
AV	5.843G	118.06	Inf	-Inf	109.04	3	Vertical	-0	1.50	-	34.00	6.14	31.12
PK	6.044G	62.87	68.20	-5.33	53.29	3	Vertical	-0	1.50	-	34.48	6.30	31.20

5.725-5.85GHz_QPSK5_5MHz_Nss1_2TX

5844MHz_TX

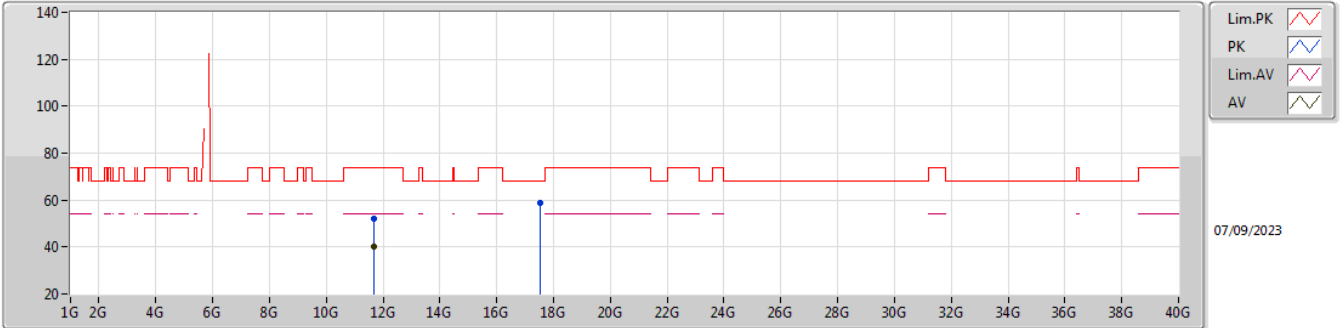


EUT Y_2TX
 Setting -12 (12/0)
 02-P-P-5-10

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	5.623G	68.00	68.20	-0.20	58.97	3	Horizontal	360	1.50	-	33.95	6.10	31.02
PK	5.843G	129.09	Inf	-Inf	120.07	3	Horizontal	360	1.50	-	34.00	6.14	31.12
AV	5.845G	118.02	Inf	-Inf	109.00	3	Horizontal	360	1.50	-	34.00	6.14	31.12
PK	5.962G	62.94	68.20	-5.26	53.55	3	Horizontal	360	1.50	-	34.30	6.26	31.17

5.725-5.85GHz_QPSK5_5MHz_Nss1_2TX

5844MHz_TX

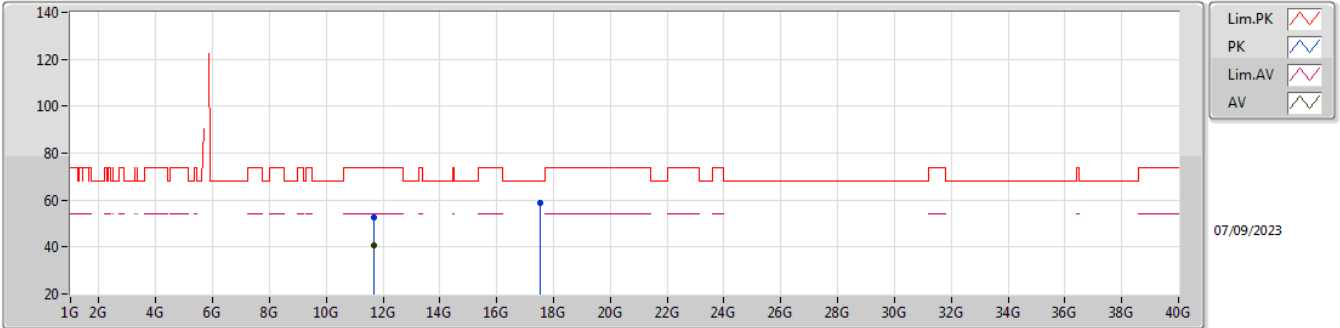


EUT Y_2TX
 Setting -12 (12/0)
 02-P-P-5

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	11.69124G	52.23	74.00	-21.77	47.23	3	Vertical	127	1.89	-	39.38	8.89	43.27
AV	11.6846G	40.35	54.00	-13.65	35.36	3	Vertical	127	1.89	-	39.37	8.89	43.27
PK	17.5244G	58.84	68.20	-9.36	45.64	3	Vertical	333	2.38	-	44.10	11.03	41.93

5.725-5.85GHz_QPSK5_5MHz_Nss1_2TX

5844MHz_TX

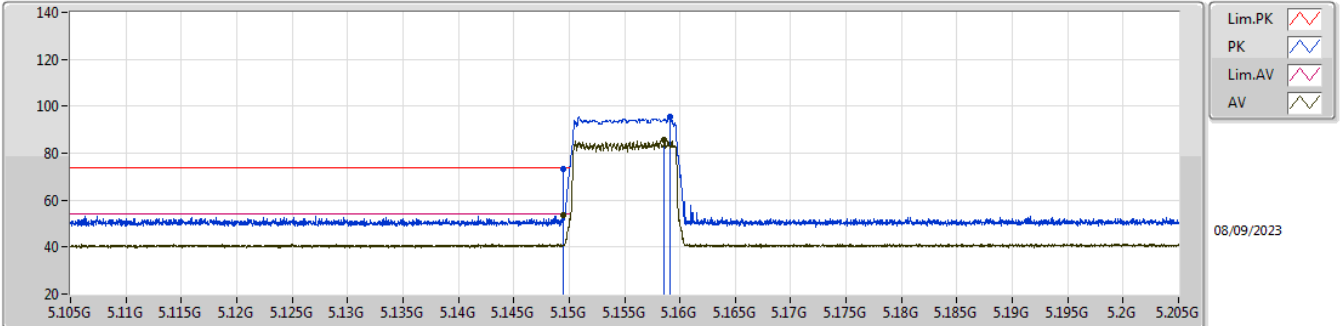


EUT Y_2TX
 Setting -12 (12/0)
 02-P-P-5

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	11.69184G	52.69	74.00	-21.31	47.69	3	Horizontal	116	1.36	-	39.38	8.89	43.27
AV	11.68012G	40.44	54.00	-13.56	35.46	3	Horizontal	116	1.36	-	39.36	8.89	43.27
PK	17.53268G	58.99	68.20	-9.21	45.71	3	Horizontal	132	1.80	-	44.16	11.04	41.92

5.15-5.25GHz_QPSK10_10MHz_Nss1_2TX

5155MHz_TX

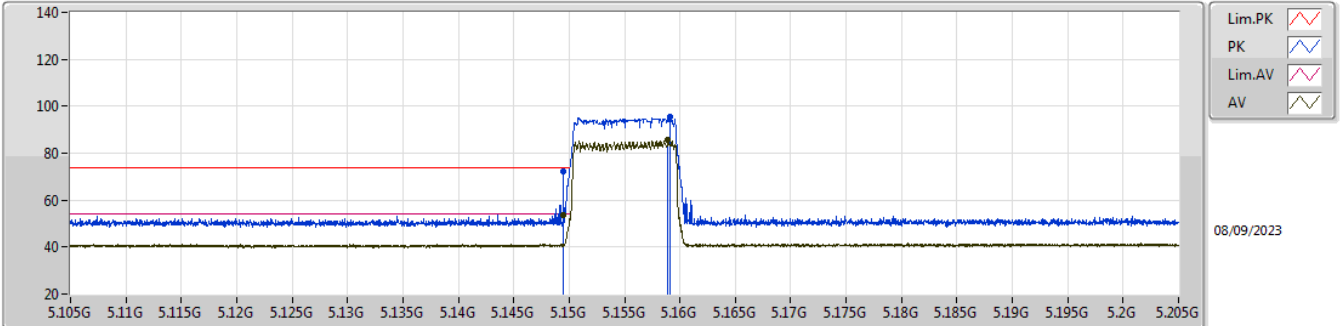


EUT Y_2TX
 Setting -33 (18/15000)
 02-P-P-5-10

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	5.1495G	73.18	74.00	-0.82	64.49	3	Vertical	20	1.70	BP 1MHz	33.60	5.77	30.68
RMS	5.1495G	53.72	54.00	-0.28	45.03	3	Vertical	20	1.70	BP 1MHz	33.60	5.77	30.68
PK	5.15913G	95.35	Inf	-Inf	86.62	3	Vertical	20	1.70	-	33.64	5.78	30.69
RMS	5.1586G	85.75	Inf	-Inf	77.03	3	Vertical	20	1.70	-	33.63	5.78	30.69

5.15-5.25GHz_QPSK10_10MHz_Nss1_2TX

5155MHz_TX

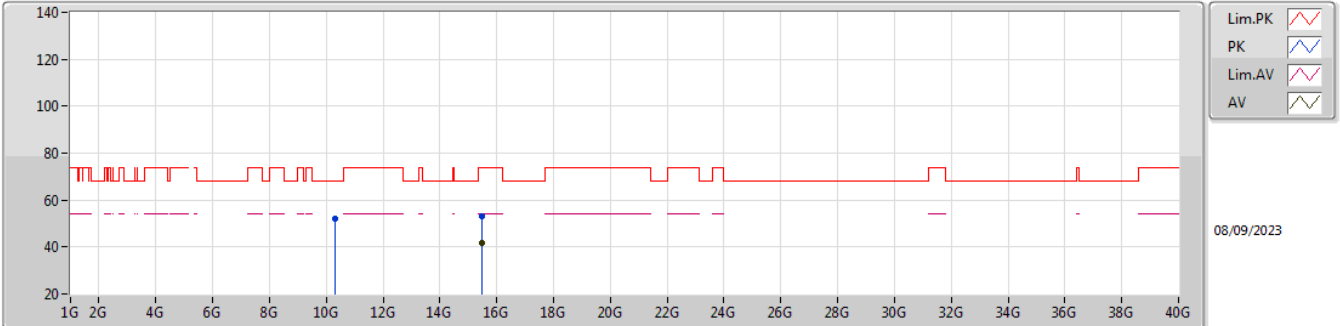


EUT Y_2TX
 Setting -33 (18/15000)
 02-P-P-5-10

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	5.1495G	72.05	74.00	-1.95	63.36	3	Horizontal	10	1.69	BP 1MHz	33.60	5.77	30.68
RMS	5.1495G	53.59	54.00	-0.41	44.90	3	Horizontal	10	1.69	BP 1MHz	33.60	5.77	30.68
PK	5.15913G	95.58	Inf	-Inf	86.85	3	Horizontal	10	1.69	-	33.64	5.78	30.69
RMS	5.15893G	85.46	Inf	-Inf	76.73	3	Horizontal	10	1.69	-	33.64	5.78	30.69

5.15-5.25GHz_QPSK10_10MHz_Nss1_2TX

5155MHz_TX

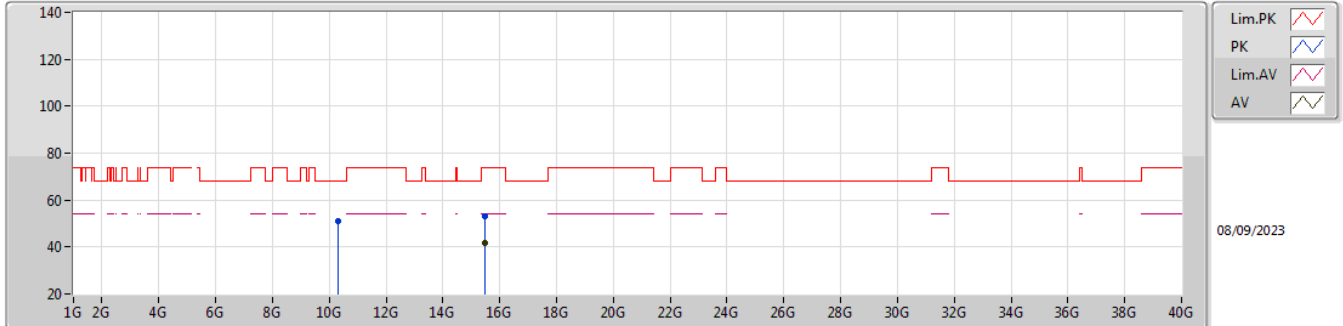


EUT Y_2TX
 Setting -33 (18/15000)
 02-P-P-5

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	10.30406G	52.01	68.20	-16.19	48.03	3	Vertical	77	2.94	-	38.59	8.41	43.02
PK	15.46116G	53.17	74.00	-20.83	47.26	3	Vertical	10	2.62	-	38.23	10.28	42.60
AV	15.462G	41.58	54.00	-12.42	35.67	3	Vertical	10	2.62	-	38.23	10.28	42.60

5.15-5.25GHz_QPSK10_10MHz_Nss1_2TX

5155MHz_TX

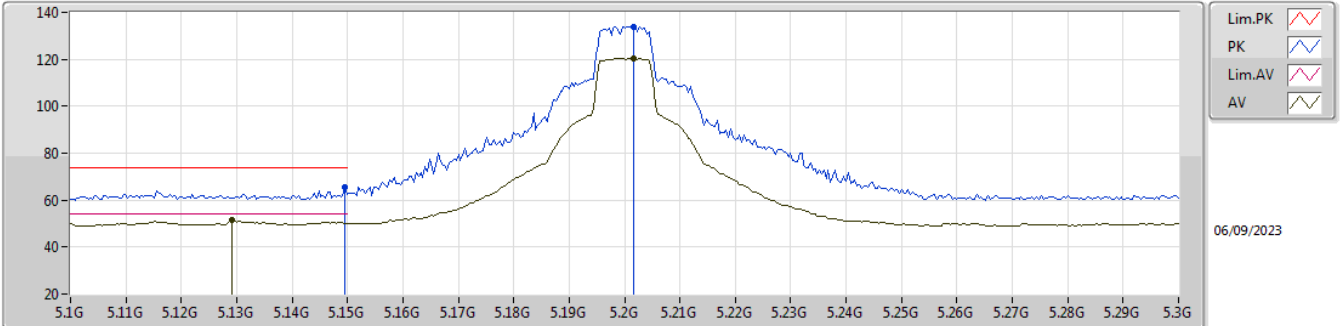


EUT Y_2TX
Setting -33 (18/15000)
02-P-P-5

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	10.30544G	51.12	68.20	-17.08	47.14	3	Horizontal	250	2.52	-	38.59	8.41	43.02
PK	15.46194G	53.33	74.00	-20.67	47.42	3	Horizontal	243	2.22	-	38.23	10.28	42.60
AV	15.4611G	41.68	54.00	-12.32	35.77	3	Horizontal	243	2.22	-	38.23	10.28	42.60

5.15-5.25GHz_QPSK10_10MHz_Nss1_2TX

5200MHz_TX

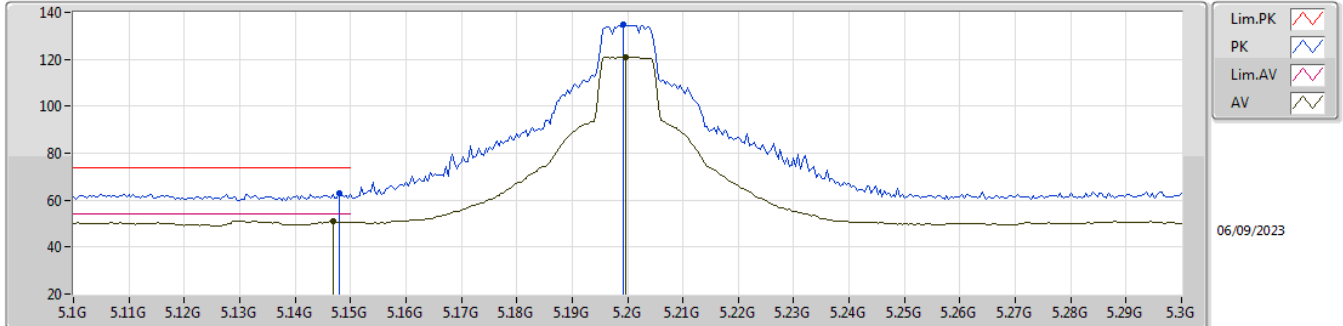


EUT Y_2TX
 Setting -6 (6/0)
 02-P-P-5-10

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	5.1496G	65.63	74.00	-8.37	56.94	3	Vertical	32	1.72	-	33.60	5.77	30.68
AV	5.1292G	51.31	54.00	-2.69	42.65	3	Vertical	32	1.72	-	33.56	5.76	30.66
PK	5.2016G	133.90	Inf	-Inf	125.02	3	Vertical	32	1.72	-	33.80	5.80	30.72
AV	5.2016G	120.40	Inf	-Inf	111.52	3	Vertical	32	1.72	-	33.80	5.80	30.72

5.15-5.25GHz_QPSK10_10MHz_Nss1_2TX

5200MHz_TX

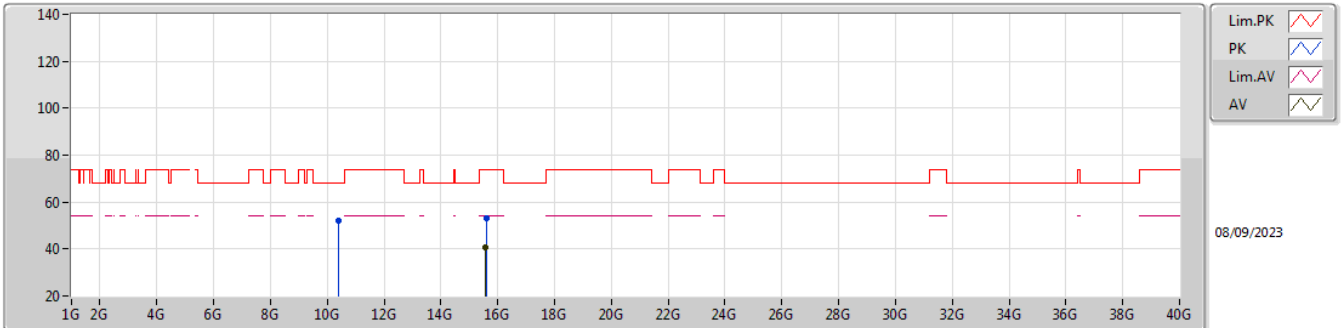


EUT_V_2TX
Setting -6 (6/0)
02-P-P-5-10

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	5.148G	62.72	74.00	-11.28	54.03	3	Horizontal	11	1.68	-	33.60	5.77	30.68
AV	5.1468G	51.21	54.00	-2.79	42.53	3	Horizontal	11	1.68	-	33.59	5.77	30.68
PK	5.1992G	134.61	Inf	-Inf	125.73	3	Horizontal	11	1.68	-	33.80	5.80	30.72
AV	5.1996G	121.07	Inf	-Inf	112.19	3	Horizontal	11	1.68	-	33.80	5.80	30.72

5.15-5.25GHz_QPSK10_10MHz_Nss1_2TX

5200MHz_TX

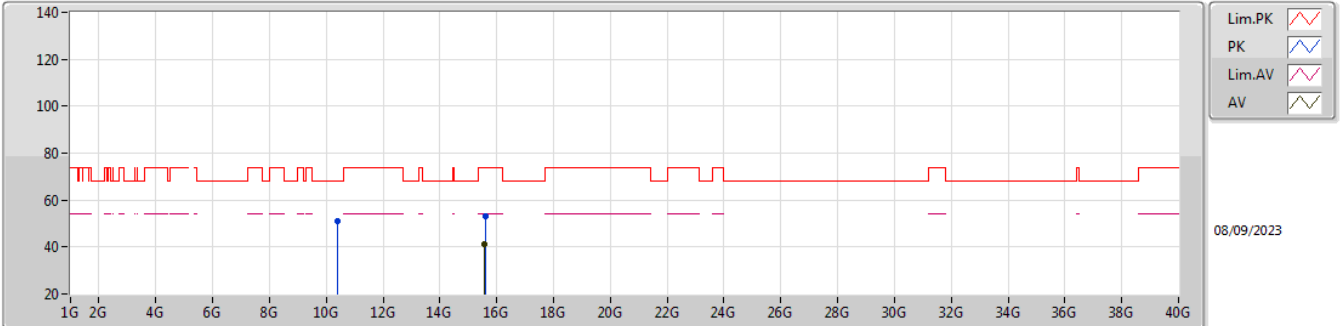


EUT_Y_2TX
 Setting -6 (6/0)
 02-P-P-5

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	10.40528G	52.29	68.20	-15.91	48.48	3	Vertical	215	1.65	-	38.40	8.44	43.03
PK	15.5916G	53.03	74.00	-20.97	47.47	3	Vertical	134	1.80	-	37.72	10.34	42.50
AV	15.58608G	40.80	54.00	-13.20	35.25	3	Vertical	134	1.80	-	37.73	10.33	42.51

5.15-5.25GHz_QPSK10_10MHz_Nss1_2TX

5200MHz_TX

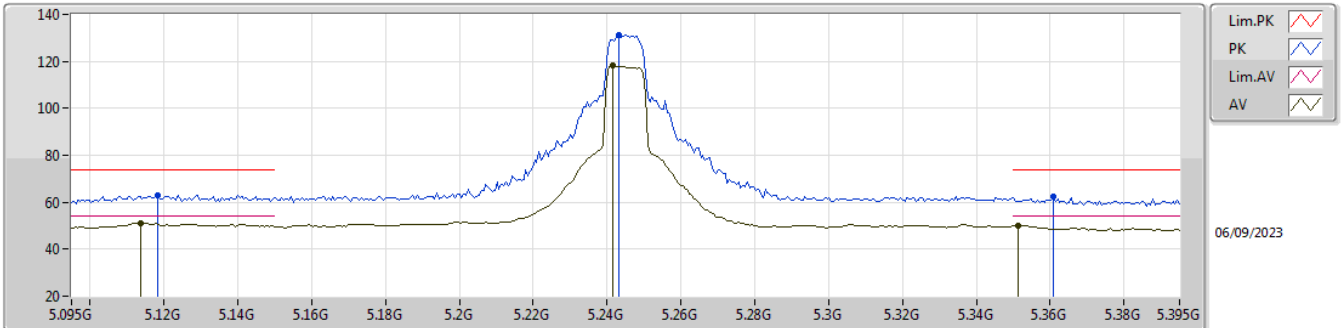


EUT Y_2TX
Setting -6 (6/0)
02-P-P-5

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	10.40042G	50.97	68.20	-17.23	47.16	3	Horizontal	250	1.24	-	38.40	8.44	43.03
PK	15.61476G	52.90	74.00	-21.10	47.33	3	Horizontal	181	2.40	-	37.70	10.35	42.48
AV	15.585G	41.03	54.00	-12.97	35.48	3	Horizontal	181	2.40	-	37.73	10.33	42.51

5.15-5.25GHz_QPSK10_10MHz_Nss1_2TX

5245MHz_TX

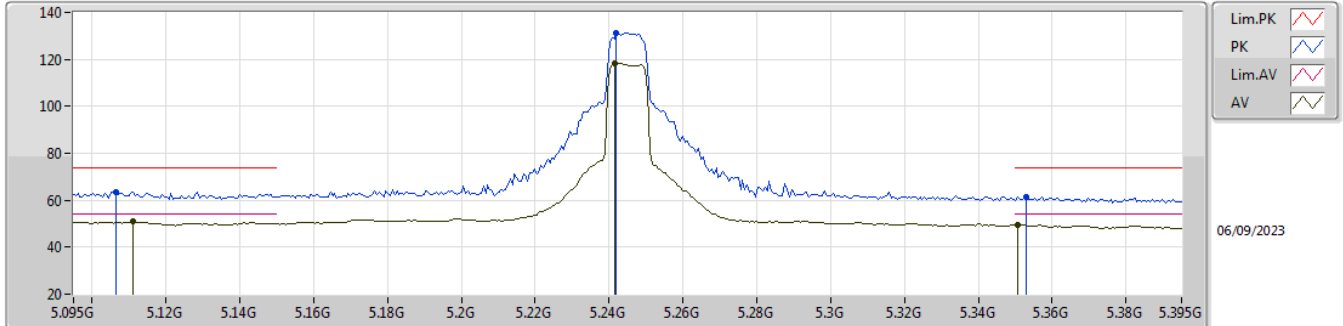


EUT_Y_2TX
 Setting -6 (6/0)
 02-P-P-5-10

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	5.1184G	63.07	74.00	-10.93	54.42	3	Vertical	15	1.72	-	33.54	5.76	30.65
AV	5.1136G	50.96	54.00	-3.04	42.32	3	Vertical	15	1.72	-	33.53	5.76	30.65
PK	5.2432G	131.18	Inf	-Inf	122.31	3	Vertical	15	1.72	-	33.80	5.82	30.75
AV	5.2414G	118.39	Inf	-Inf	109.52	3	Vertical	15	1.72	-	33.80	5.82	30.75
PK	5.3608G	62.35	74.00	-11.65	53.32	3	Vertical	15	1.72	-	34.00	5.88	30.85
AV	5.3512G	49.99	54.00	-4.01	40.95	3	Vertical	15	1.72	-	34.00	5.88	30.84

5.15-5.25GHz_QPSK10_10MHz_Nss1_2TX

5245MHz_TX

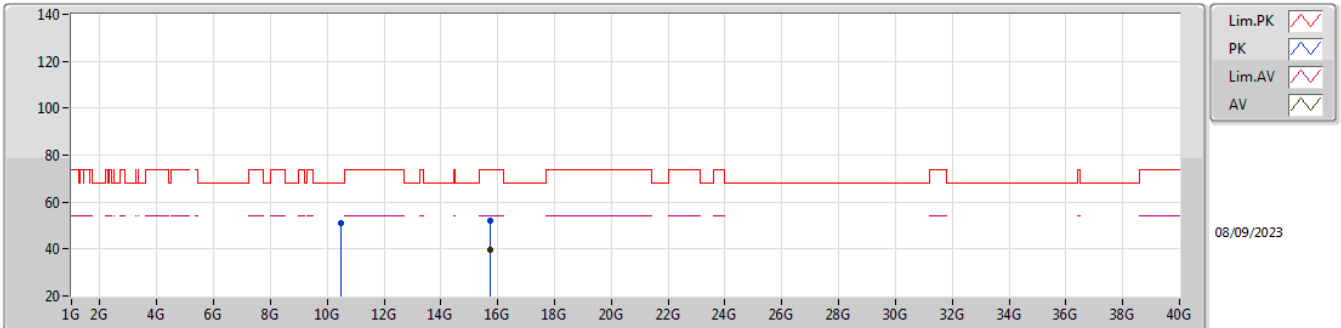


EUT_V_2TX
Setting -6 (6/0)
02-P-P-5-10

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	5.1064G	63.69	74.00	-10.31	55.08	3	Horizontal	7	1.69	-	33.51	5.75	30.65
AV	5.1112G	50.85	54.00	-3.15	42.22	3	Horizontal	7	1.69	-	33.52	5.76	30.65
PK	5.242G	131.40	Inf	-Inf	122.53	3	Horizontal	7	1.69	-	33.80	5.82	30.75
AV	5.2414G	118.17	Inf	-Inf	109.30	3	Horizontal	7	1.69	-	33.80	5.82	30.75
PK	5.353G	61.58	74.00	-12.42	52.54	3	Horizontal	7	1.69	-	34.00	5.88	30.84
AV	5.3506G	49.50	54.00	-4.50	40.46	3	Horizontal	7	1.69	-	34.00	5.88	30.84

5.15-5.25GHz_QPSK10_10MHz_Nss1_2TX

5245MHz_TX

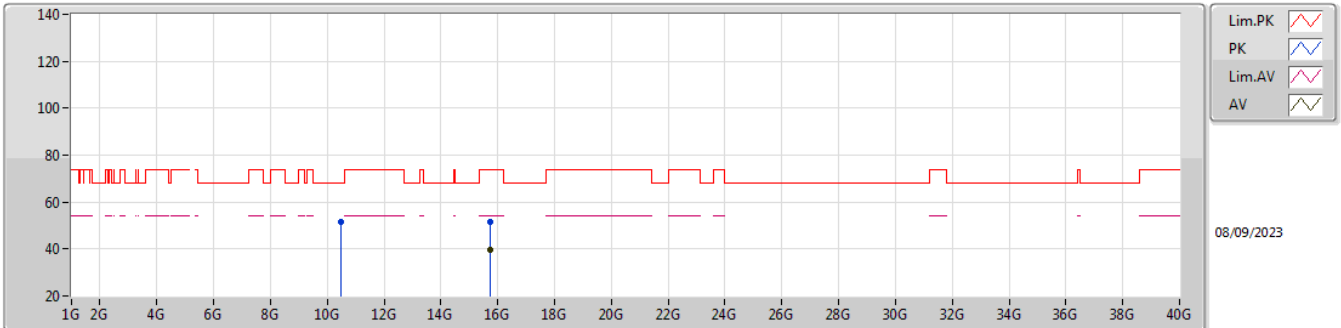


EUT Y_2TX
 Setting -6 (6/0)
 02-P-P-5

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	10.4864G	51.03	68.20	-17.17	47.20	3	Vertical	325	2.18	-	38.40	8.47	43.04
PK	15.72942G	51.92	74.00	-22.08	46.19	3	Vertical	338	1.94	-	37.68	10.39	42.34
AV	15.74502G	39.82	54.00	-14.18	34.13	3	Vertical	338	1.94	-	37.62	10.40	42.33

5.15-5.25GHz_QPSK10_10MHz_Nss1_2TX

5245MHz_TX

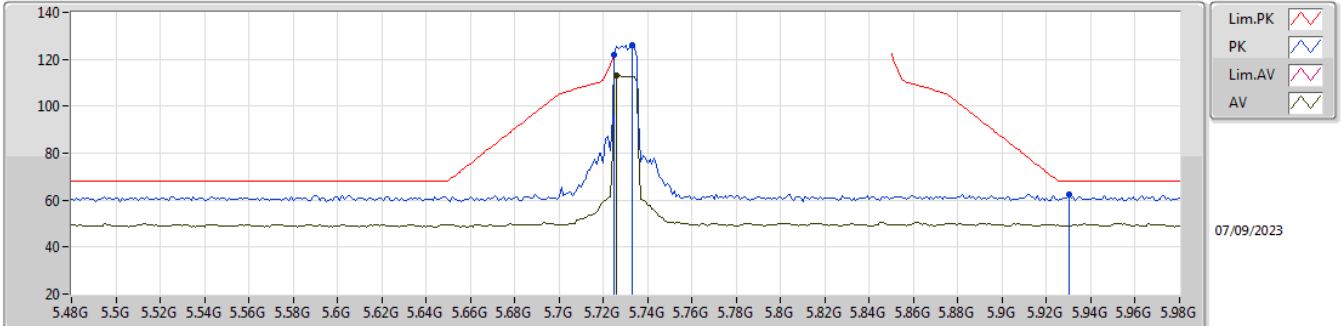


EUT Y_2TX
 Setting -6 (6/0)
 02-P-P-5

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	10.49426G	51.41	68.20	-16.79	47.58	3	Horizontal	315	2.02	-	38.40	8.47	43.04
PK	15.7473G	51.32	74.00	-22.68	45.63	3	Horizontal	266	2.49	-	37.61	10.40	42.32
AV	15.74772G	39.77	54.00	-14.23	34.08	3	Horizontal	266	2.49	-	37.61	10.40	42.32

5.725-5.85GHz_QPSK10_10MHz_Nss1_2TX

5730MHz_TX

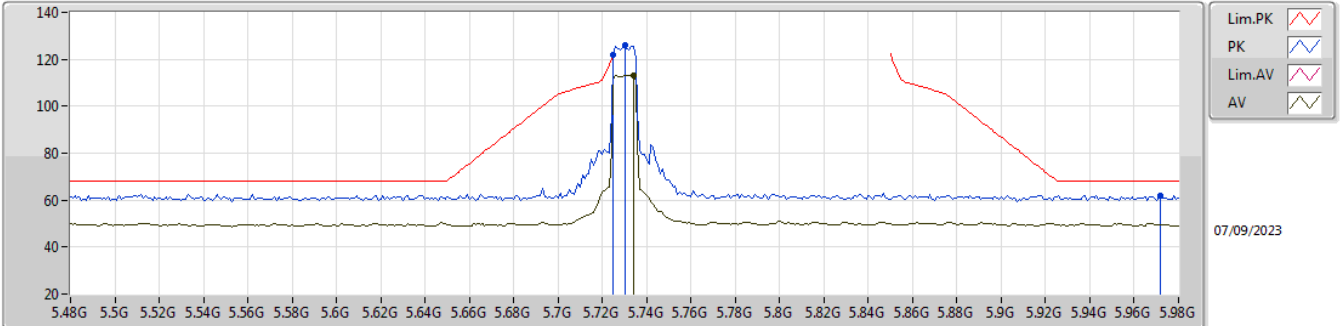


EUT Y_2TX
 Setting -13.5 (12/1500)
 02-P-P-5-10

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	5.725G	121.89	122.20	-0.31	112.85	3	Vertical	-0	1.70	-	34.00	6.10	31.06
AV	5.726G	113.17	Inf	-Inf	104.13	3	Vertical	-0	1.70	-	34.00	6.10	31.06
PK	5.733G	125.87	Inf	-Inf	116.84	3	Vertical	-0	1.70	-	34.00	6.10	31.07
PK	5.93G	62.28	68.20	-5.92	52.95	3	Vertical	-0	1.70	-	34.26	6.23	31.16

5.725-5.85GHz_QPSK10_10MHz_Nss1_2TX

5730MHz_TX

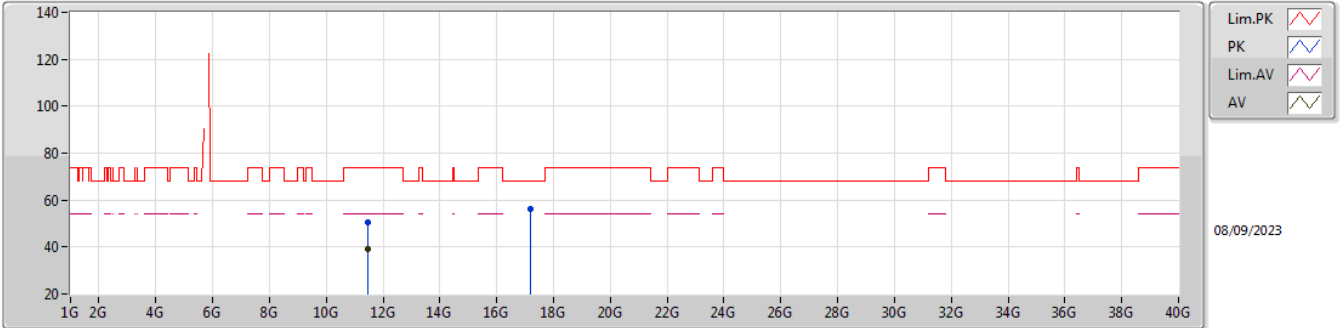


EUT Y_2TX
 Setting -13.5 (12/1500)
 02-P-P-5-10

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	5.725G	121.72	122.20	-0.48	112.68	3	Horizontal	3	1.67	-	34.00	6.10	31.06
PK	5.73G	126.04	Inf	-Inf	117.01	3	Horizontal	3	1.67	-	34.00	6.10	31.07
AV	5.734G	113.13	Inf	-Inf	104.10	3	Horizontal	3	1.67	-	34.00	6.10	31.07
PK	5.972G	62.03	68.20	-6.17	52.64	3	Horizontal	3	1.67	-	34.30	6.27	31.18

5.725-5.85GHz_QPSK10_10MHz_Nss1_2TX

5730MHz_TX

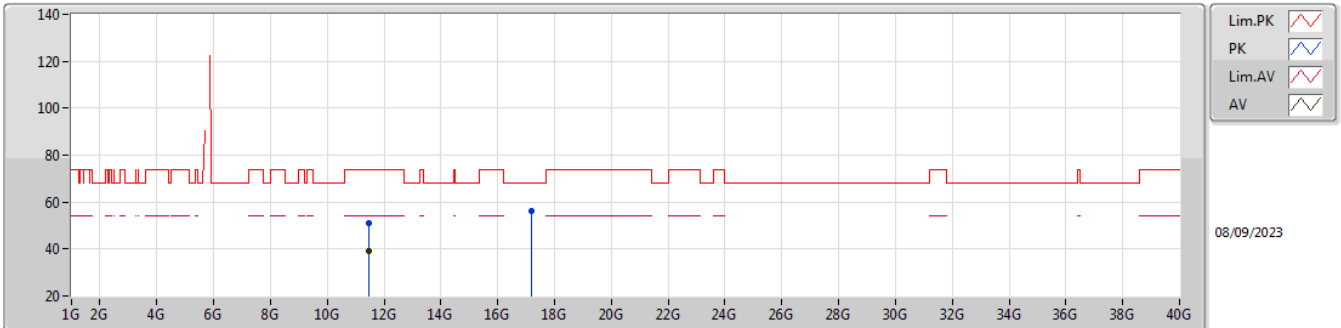


EUT Y_2TX
Setting -13.5 (12/1500)
02-P-P-5

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	11.46924G	50.37	74.00	-23.63	46.01	3	Vertical	25	1.28	-	38.84	8.81	43.29
AV	11.47476G	38.95	54.00	-15.05	34.57	3	Vertical	25	1.28	-	38.85	8.82	43.29
PK	17.20044G	55.96	68.20	-12.24	45.18	3	Vertical	251	2.98	-	41.90	10.92	42.04

5.725-5.85GHz_QPSK10_10MHz_Nss1_2TX

5730MHz_TX

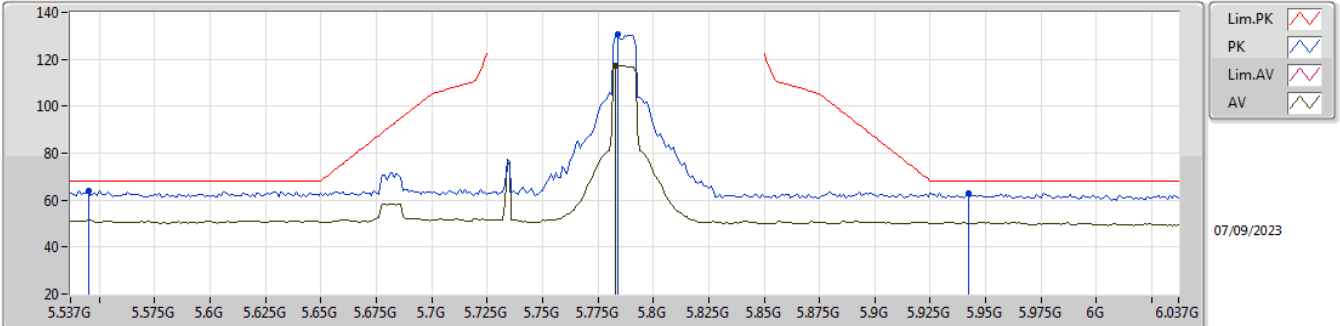


EUT Y_2TX
 Setting -13.5 (12/1500)
 02-P-P-5

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	11.47494G	51.05	74.00	-22.95	46.67	3	Horizontal	286	2.08	-	38.85	8.82	43.29
AV	11.44914G	38.90	54.00	-15.10	34.57	3	Horizontal	286	2.08	-	38.80	8.81	43.28
PK	17.1978G	56.24	68.20	-11.96	45.47	3	Horizontal	192	1.44	-	41.89	10.92	42.04

5.725-5.85GHz_QPSK10_10MHz_Nss1_2TX

5787MHz_TX

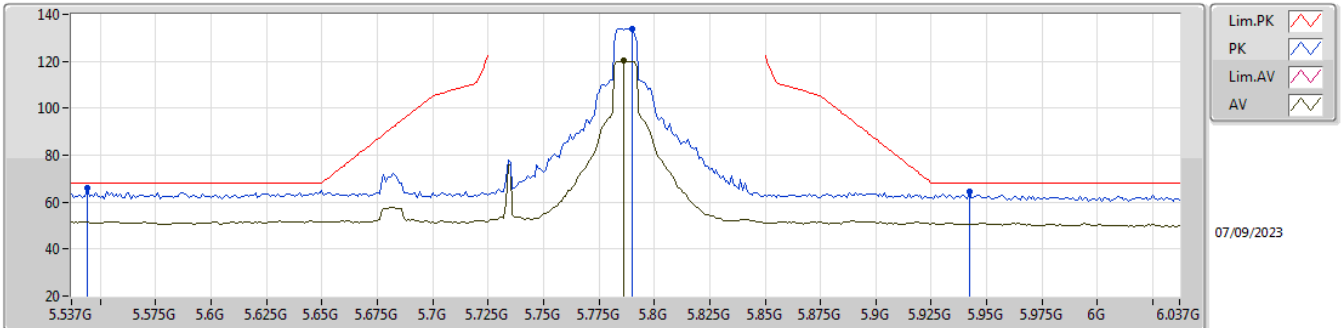


EUT V_2TX
 Setting -6 (6/0)
 02-P-P-5-10

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	5.545G	64.02	68.20	-4.18	54.86	3	Vertical	30	1.71	-	34.10	6.04	30.98
PK	5.784G	130.49	Inf	-Inf	121.48	3	Vertical	30	1.71	-	34.00	6.10	31.09
AV	5.783G	117.32	Inf	-Inf	108.31	3	Vertical	30	1.71	-	34.00	6.10	31.09
PK	5.942G	63.16	68.20	-5.04	53.80	3	Vertical	30	1.71	-	34.28	6.24	31.16

5.725-5.85GHz_QPSK10_10MHz_Nss1_2TX

5787MHz_TX

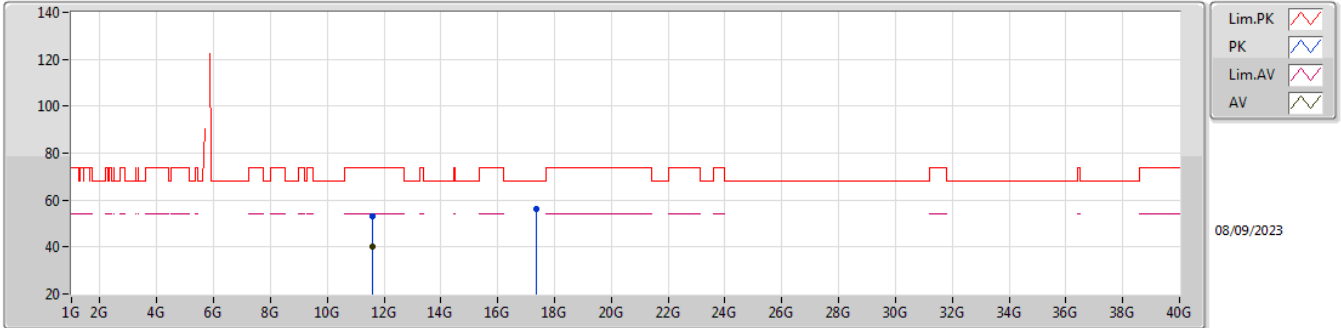


EUT_V_2TX
 Setting -6 (6/0)
 02-P-P-5-10

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	5.544G	66.00	68.20	-2.20	56.84	3	Horizontal	-0	1.71	-	34.10	6.04	30.98
PK	5.79G	133.83	Inf	-Inf	124.82	3	Horizontal	-0	1.71	-	34.00	6.10	31.09
AV	5.786G	120.09	Inf	-Inf	111.08	3	Horizontal	-0	1.71	-	34.00	6.10	31.09
PK	5.942G	64.28	68.20	-3.92	54.92	3	Horizontal	-0	1.71	-	34.28	6.24	31.16

5.725-5.85GHz_QPSK10_10MHz_Nss1_2TX

5787MHz_TX

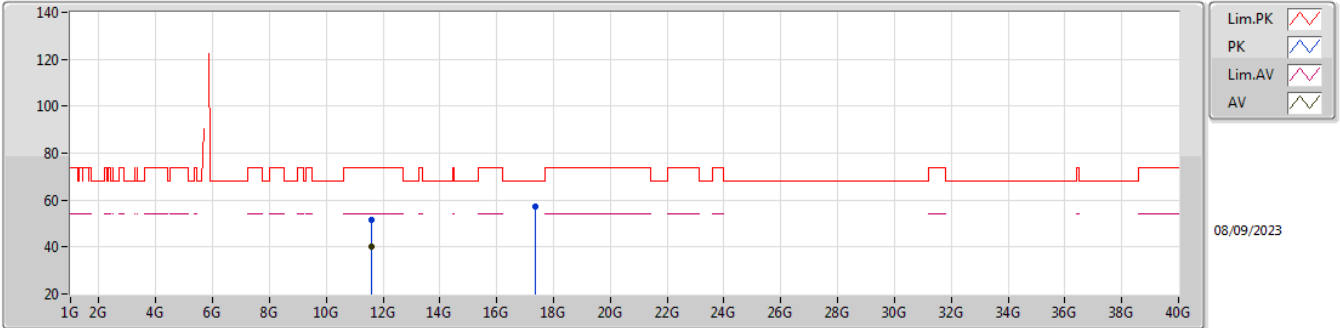


EUT Y_2TX
 Setting -6 (6/0)
 02-P-P-5

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	11.5764G	53.20	74.00	-20.80	48.43	3	Vertical	36	2.50	-	39.21	8.85	43.29
AV	11.58132G	40.29	54.00	-13.71	35.50	3	Vertical	36	2.50	-	39.23	8.85	43.29
PK	17.36226G	56.43	68.20	-11.77	44.58	3	Vertical	245	2.97	-	42.87	10.98	42.00

5.725-5.85GHz_QPSK10_10MHz_Nss1_2TX

5787MHz_TX

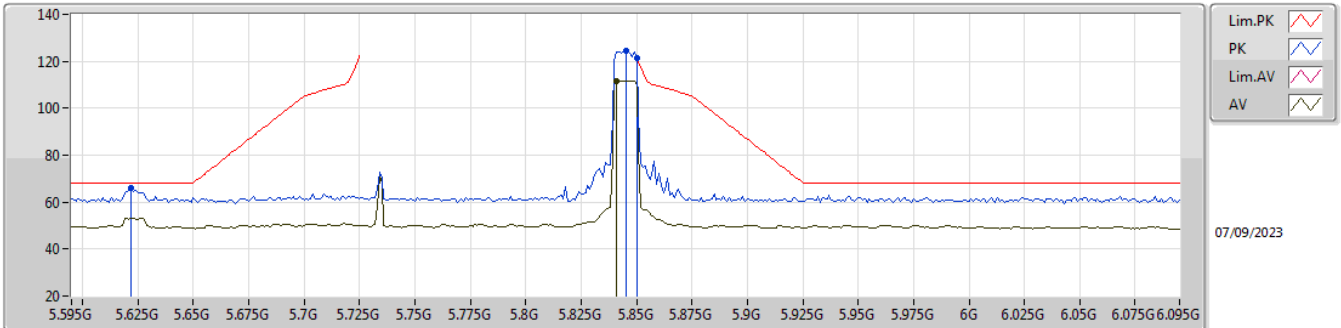


EUT Y_2TX
 Setting -6 (6/0)
 02-P-P-5

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	11.58456G	51.68	74.00	-22.32	46.88	3	Horizontal	222	2.39	-	39.24	8.85	43.29
AV	11.57766G	40.34	54.00	-13.66	35.57	3	Horizontal	222	2.39	-	39.21	8.85	43.29
PK	17.36214G	57.44	68.20	-10.76	45.59	3	Horizontal	201	1.80	-	42.87	10.98	42.00

5.725-5.85GHz_QPSK10_10MHz_Nss1_2TX

5845MHz_TX

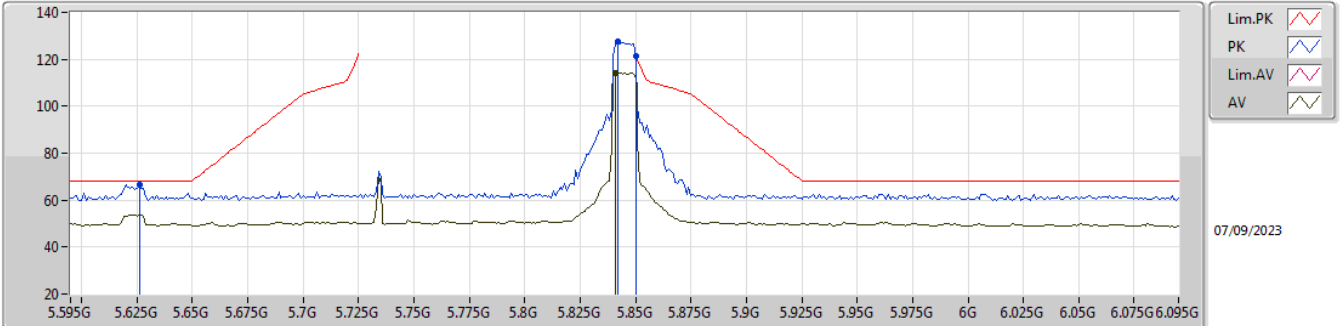


EUT Y_2TX
 Setting -11 (6/5000)
 02-P-P-5-10

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	5.622G	65.79	68.20	-2.41	56.75	3	Vertical	28	1.71	-	33.96	6.10	31.02
PK	5.845G	124.53	Inf	-Inf	115.51	3	Vertical	28	1.71	-	34.00	6.14	31.12
AV	5.841G	111.68	Inf	-Inf	102.67	3	Vertical	28	1.71	-	34.00	6.13	31.12
PK	5.85G	121.18	122.20	-1.02	112.16	3	Vertical	28	1.71	-	34.00	6.14	31.12

5.725-5.85GHz_QPSK10_10MHz_Nss1_2TX

5845MHz_TX

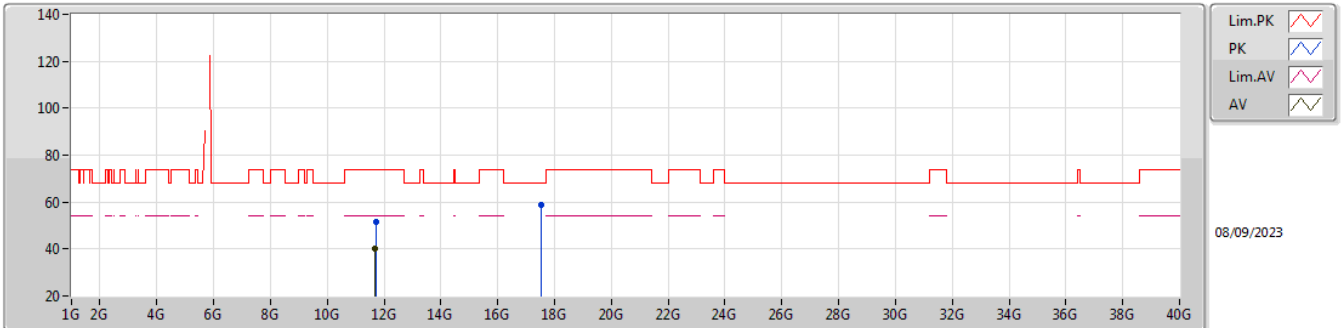


EUT_V_2TX
 Setting -11 (6/5000)
 02-P-P-5-10

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	5.626G	66.80	68.20	-1.40	57.77	3	Horizontal	21	1.66	-	33.95	6.10	31.02
PK	5.842G	127.49	Inf	-Inf	118.48	3	Horizontal	21	1.66	-	34.00	6.13	31.12
AV	5.841G	114.36	Inf	-Inf	105.35	3	Horizontal	21	1.66	-	34.00	6.13	31.12
PK	5.85G	121.55	122.20	-0.65	112.53	3	Horizontal	21	1.66	-	34.00	6.14	31.12

5.725-5.85GHz_QPSK10_10MHz_Nss1_2TX

5845MHz_TX

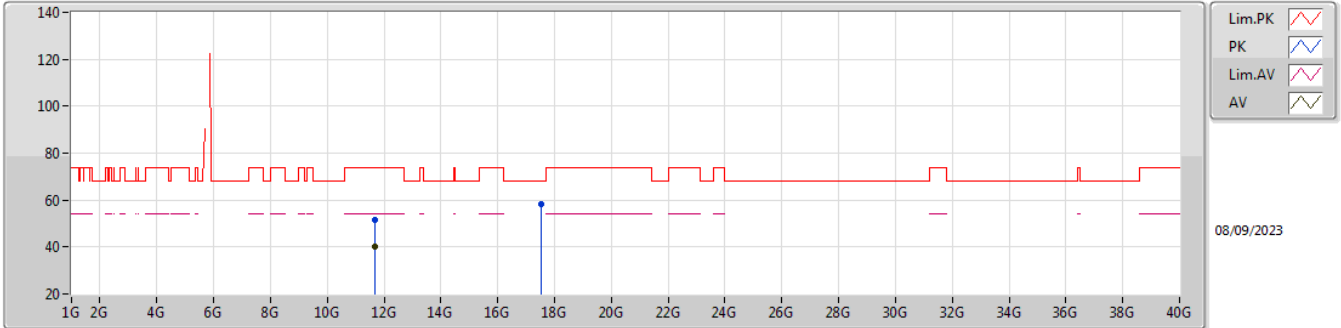


EUT Y_2TX
 Setting -11 (6/5000)
 02-P-P-5

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	11.70158G	51.46	74.00	-22.54	46.43	3	Vertical	120	1.13	-	39.40	8.90	43.27
AV	11.68466G	40.14	54.00	-13.86	35.15	3	Vertical	120	1.13	-	39.37	8.89	43.27
PK	17.54436G	58.93	68.20	-9.27	45.54	3	Vertical	146	1.30	-	44.25	11.04	41.90

5.725-5.85GHz_QPSK10_10MHz_Nss1_2TX

5845MHz_TX

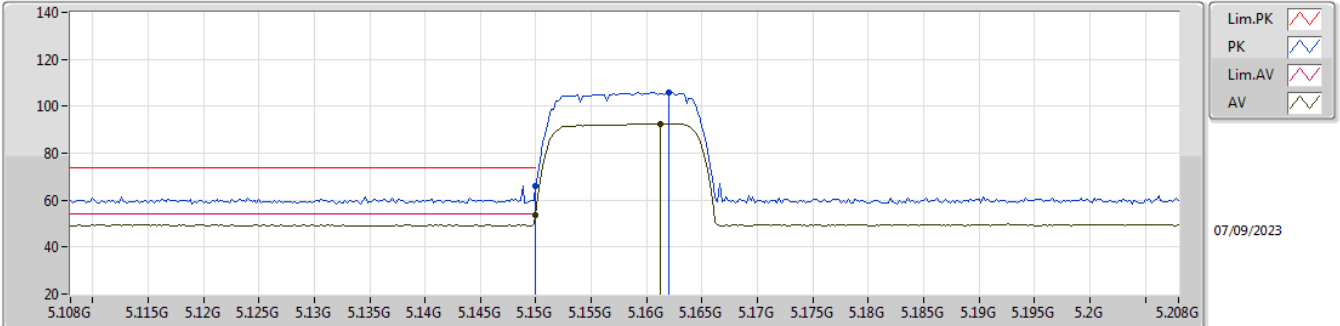


EUT Y_2TX
 Setting -11 (6/5000)
 02-P-P-5

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	11.69972G	51.80	74.00	-22.20	46.78	3	Horizontal	106	1.07	-	39.40	8.89	43.27
AV	11.67854G	40.24	54.00	-13.76	35.26	3	Horizontal	106	1.07	-	39.36	8.89	43.27
PK	17.53362G	58.13	68.20	-10.07	44.84	3	Horizontal	10	1.49	-	44.17	11.04	41.92

5.15-5.25GHz_QPSK15_15MHz_Nss1_2TX

5158MHz_TX

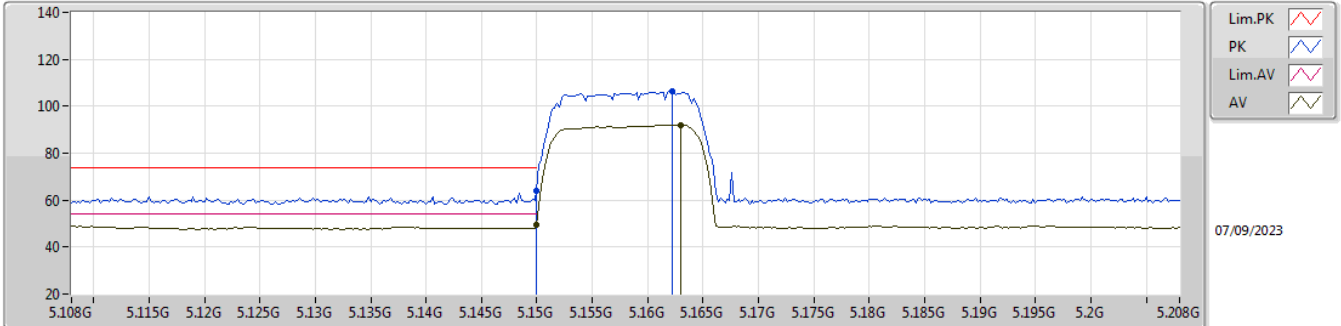


EUT Y_2TX
 Setting -29 (12/17000)
 02-P-P-5-10

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	5.15G	66.13	74.00	-7.87	57.43	3	Vertical	9	1.49	-	33.60	5.78	30.68
AV	5.15G	53.77	54.00	-0.23	45.07	3	Vertical	9	1.49	-	33.60	5.78	30.68
PK	5.162G	105.95	Inf	-Inf	97.21	3	Vertical	9	1.49	-	33.65	5.78	30.69
AV	5.1612G	92.64	Inf	-Inf	83.91	3	Vertical	9	1.49	-	33.64	5.78	30.69

5.15-5.25GHz_QPSK15_15MHz_Nss1_2TX

5158MHz_TX

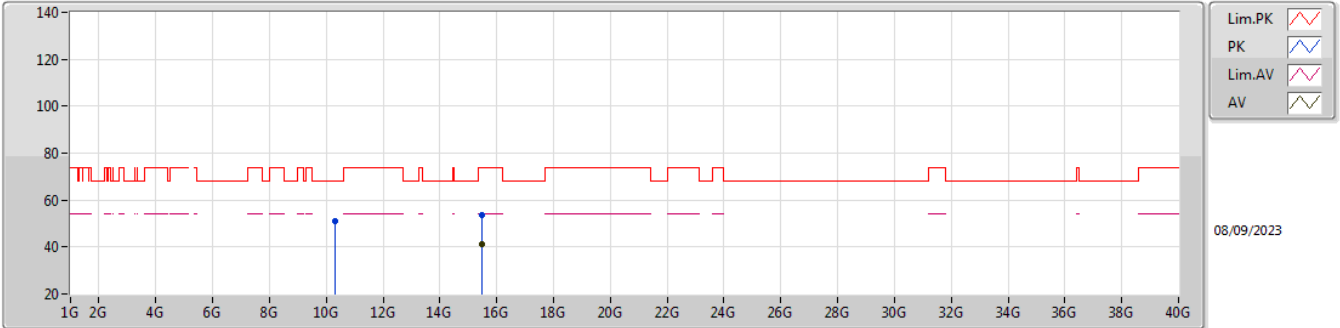


EUT Y_2TX
 Setting -29 (12/17000)
 02-P-P-5-10

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	5.15G	64.19	74.00	-9.81	55.49	3	Horizontal	9	1.52	-	33.60	5.78	30.68
AV	5.15G	49.59	54.00	-4.41	40.89	3	Horizontal	9	1.52	-	33.60	5.78	30.68
PK	5.1622G	106.26	Inf	-Inf	97.52	3	Horizontal	9	1.52	-	33.65	5.78	30.69
AV	5.163G	91.93	Inf	-Inf	83.19	3	Horizontal	9	1.52	-	33.65	5.78	30.69

5.15-5.25GHz_QPSK15_15MHz_Nss1_2TX

5158MHz_TX

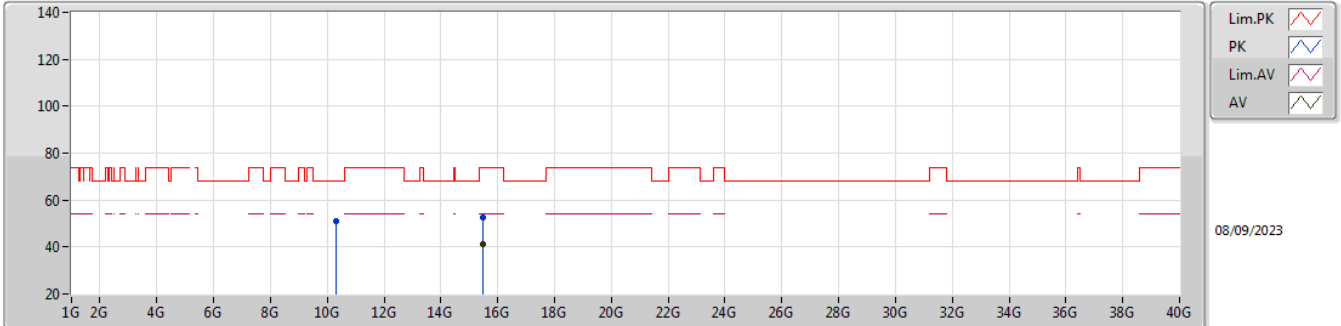


EUT Y_2TX
 Setting -29 (12/17000)
 02-P-P-5

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	10.32524G	50.81	68.20	-17.39	46.87	3	Vertical	117	1.98	-	38.55	8.41	43.02
PK	15.46314G	53.41	74.00	-20.59	47.50	3	Vertical	101	2.85	-	38.22	10.29	42.60
AV	15.46182G	41.03	54.00	-12.97	35.12	3	Vertical	101	2.85	-	38.23	10.28	42.60

5.15-5.25GHz_QPSK15_15MHz_Nss1_2TX

5158MHz_TX



EUT Y_2TX
 Setting -29 (12/17000)
 02-P-P-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	10.31318G	51.14	68.20	-17.06	47.18	3	Horizontal	23	1.22	-	38.57	8.41	43.02
PK	15.47052G	52.66	74.00	-21.34	46.79	3	Horizontal	172	1.58	-	38.18	10.29	42.60
AV	15.46458G	40.98	54.00	-13.02	35.08	3	Horizontal	172	1.58	-	38.21	10.29	42.60