

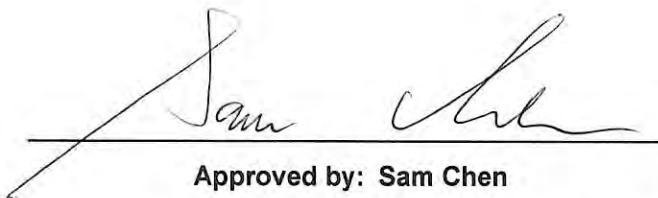


RADIO TEST REPORT

FCC ID : WR932181716523
Equipment : Video doorbell
Brand Name : ecobee
Model Name : EB-CAMSDB-01
Applicant : Ecobee Incorporated
25, Dockside Drive Suite 700, Toronto, Canada,
M5A0B5
Standard : 47 CFR FCC Part 15.247

The product was received on Jul. 10, 2023, and testing was started from Jul. 21, 2023 and completed on Aug. 07, 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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Appendix H. Test Photos

Photographs of EUT v01



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.247(a)	20dB Bandwidth	PASS	-
3.2	15.247(a)	Carrier Frequency Separation	PASS	-
3.3	15.247(b)	Maximum Conducted Output Power	PASS	-
3.4	15.247(a)	Number of Hopping Frequencies and Hopping Band edge	PASS	-
3.5	15.247(a)	Time of Occupancy (Dwell Time)	PASS	-
3.6	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	-
3.7	15.247(d)	Emissions in Restricted Frequency Bands	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:

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.

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



1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	Ch. Frequency (MHz)	Ch. Spacing (MHz)	Channel Number	Modulation	Data Rate (Kbps)
902-928	920.5-927.35	0.15	0-49 [50]	BPSK	40

1.1.2 Antenna Information

Ant.	Port			Brand	Model Name	Antenna Type	Connector	Gain (dBi)
	WLAN / Bluetooth	Thread	Sub-G					
1	1	-	-	PSA	RFMTA160900NNLB001	PIFA	N/A	Note 1
2	-	1	-	PSA	RFPCA361205IMAB401	PIFA	I-PEX	
3	-	-	1	PSA	RFMTA341100NNUB001	PIFA	N/A	

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
4	Socionext	SC1233AR3	Chip	N/A	2

Note 1:

Ant.	Antenna Gain (dBi)				
	WLAN		Bluetooth	Thread	Sub-G
	2.4GHz	5GHz			
1	2.81	4.99	2.81	-	-
2	-	-	-	3.00	-
3	-	-	-	-	1.66

Note 2: The above information was declared by manufacturer.

Note 3: For 2.4GHz function:

For IEEE 802.11 b/g/n (TX/1RX):

Only Port 1 can be used as transmitting/receiving antenna.

For 5GHz function:

For IEEE 802.11a/n/ac (1TX/1RX):

Only Port 1 can be used as transmitting/receiving antenna.

For bluetooth function (1TX/1RX):

Only Port 1 can be used as transmitting/receiving antenna.

For Thread function (1TX/1RX):

Only Port 1 can be used as transmitting/receiving antenna.

For Sub-G function (1TX/1RX):

Only Port 1 can be used as transmitting/receiving antenna.

For 24GHz function (1TX/2RX):

Only Ant. 4 can be used as transmitting/receiving antenna.



1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
Sub-G (Hopping mode)	1	0	n/a (DC>=0.98)	n/a (DC>=0.98)

Note:

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

1.1.4 EUT Operational Condition

EUT Power Type	From host system (16~24 Vac)
Test Software Version	Tera Tern Ver:4.75



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 15.247

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

- ♦ FCC KDB 558074 D01 v05r02
- ♦ FCC KDB 414788 D01 v01r01

1.3 Testing Location Information

Testing Location Information	
Test Lab. : Sporton International Inc. Hsinchu Laboratory	
Hsinchu	ADD: No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)
(TAF: 3787)	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	TH01-CB	Jay Lo	23.1~24.5 / 68~72	Jul. 31, 2023~ Aug. 04, 2023
Radiated < 1GHz	03CH05-CB	George Fan	22.9~23.6 / 60~63	Jul. 31, 2023~ Aug. 03, 2023
Radiated > 1GHz	03CH05-CB	George Fan	20~21 / 55~58	Jul. 21, 2023~ Jul. 26, 2023
AC Conduction	CO01-CB	Ryan Huang	22~23 / 56~57	Aug. 07, 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))

Test Items	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

Mode	Power Setting
Sub-G (Hopping mode)	-
920MHz	165
923.75MHz	155
927.35MHz	150

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	Normal Link
1	EUT_WLAN 2.4GHz + Thread + 24GHz radar
2	EUT_WLAN 5GHz + Thread + 24GHz radar
3	EUT_Bluetooth + Thread + 24GHz radar
Mode 3 has been evaluated to be the worst case among Mode 1~3, thus measurement for Mode 4~5 will follow this same test mode.	
4	EUT_Bluetooth + Sub-G (Hopping mode) + 24GHz radar
5	EUT_Bluetooth + Sub-G (Hybrid mode) + 24GHz radar
For operating, mode 3 is the worst case and it was record in this test report.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	20dB Bandwidth Carrier Frequency Separation Maximum Conducted Output Power Number of Hopping Frequencies Hopping Bandedge Time of Occupancy (Dwell Time) Emissions in Non-restricted Frequency Bands
Test Condition	Conducted measurement at transmit chains



The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
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	Normal Link
	After evaluating, EUT in Y axis was the worst case, so the measurement will follow this same test configuration.
1	EUT in Y axis_WLAN 2.4GHz + Thread + 24GHz radar
2	EUT in Y axis_WLAN 5GHz + Thread + 24GHz radar
3	EUT in Y axis_Bluetooth + Thread + 24GHz radar
Mode 3 has been evaluated to be the worst case among Mode 1~3, thus measurement for Mode 4~5 will follow this same test mode.	
4	EUT in Y axis_Bluetooth + Sub-G (Hopping mode) + 24GHz radar
5	EUT in Y axis_Bluetooth + Sub-G (Hybrid mode) + 24GHz radar
For operating, mode 3 is the worst case and it was record in this test report.	
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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + Thread + 24GHz radar
2	WLAN 2.4GHz + Sub-G (Hopping mode) + 24GHz radar
3	WLAN 2.4GHz + Sub-G (Hybrid mode) + 24GHz radar
4	WLAN 5GHz + Thread + 24GHz radar
5	WLAN 5GHz + Sub-G (Hopping mode) + 24GHz radar
6	WLAN 5GHz + Sub-G (Hybrid mode) + 24GHz radar
7	Bluetooth + Thread + 24GHz radar
8	Bluetooth + Sub-G (Hopping mode) + 24GHz radar
9	Bluetooth + Sub-G (Hybrid mode) + 24GHz radar
Refer to Sporton Test Report No.: FA361614 for Co-location RF Exposure Evaluation.	



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

Equipment	Brand Name	Model Name
Power adapter	AMIGO	CT-5723-03

2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link Mode:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories
CHIME adapter*1: Non-shielded, 0.2m
Backplate*1

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Power adapter	AMIGO	CT-5723-03	N/A
B	Test fixture	NEWHOUSE	CHM1	N/A
C	NB	DELL	PP13S	N/A

For Radiated (below 1GHz):

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Power adapter	AMIGO	CT-5723-03	N/A
B	Test fixture	NEWHOUSE	CHM1	N/A
C	NB	DELL	PP13S	N/A

For Radiated (above 1GHz):

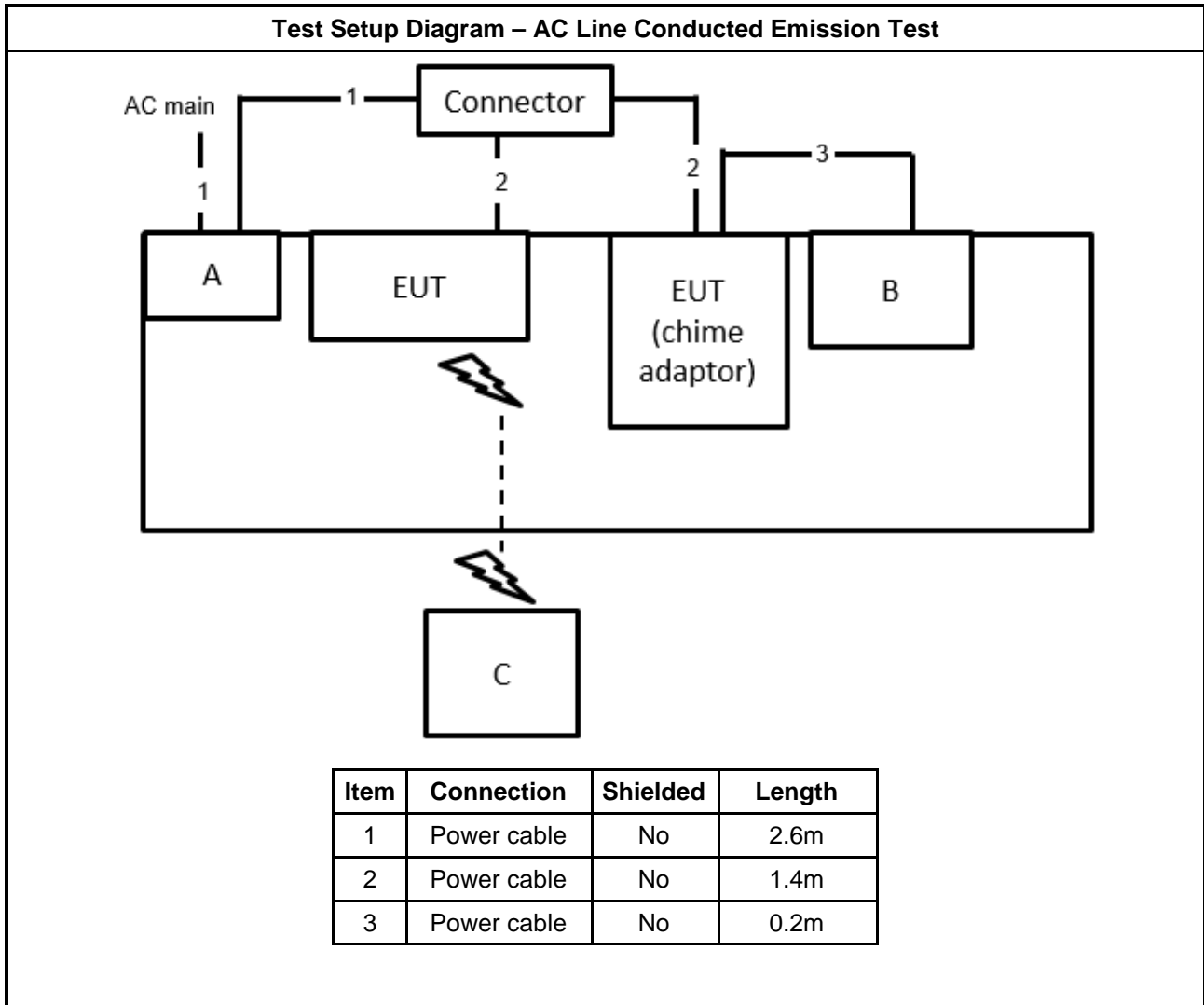
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	Fixture	ALPHA	1EBRC21T..A2G	N/A
C	Power adapter	AMIGO	CT-5723-03	N/A



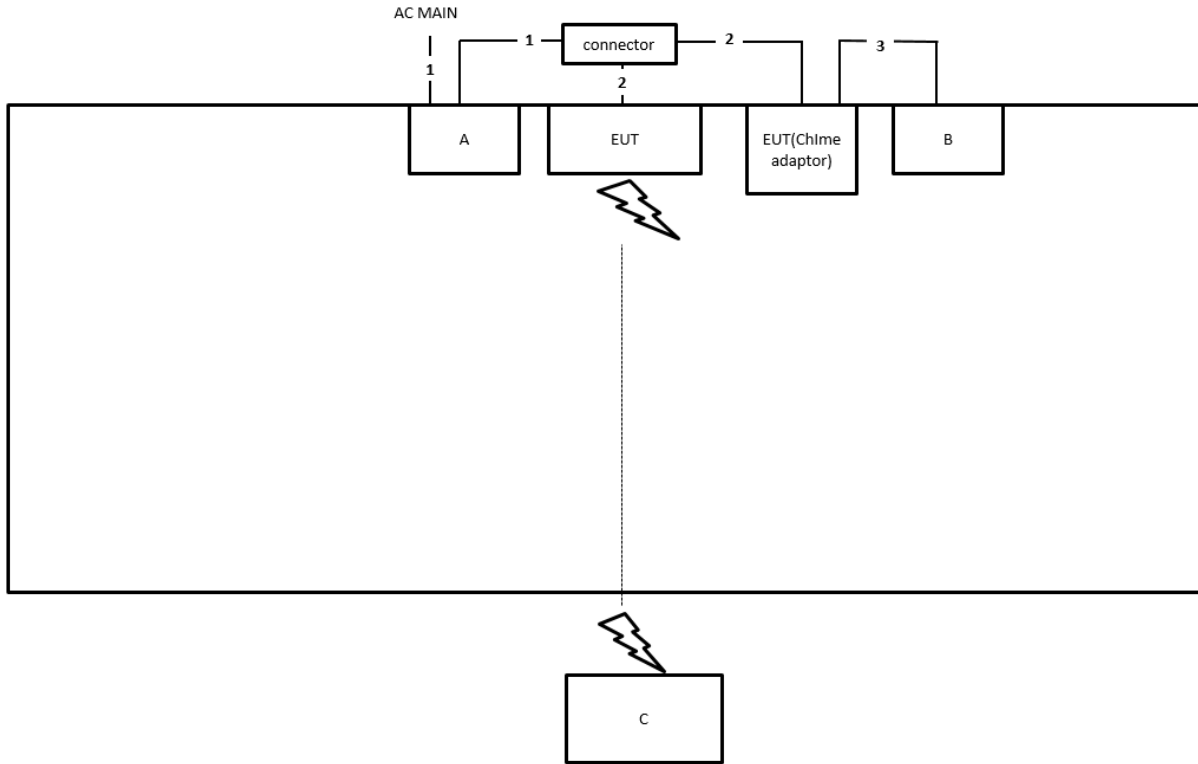
For RF Conducted:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	Fixture	ALPHA	1EBRC21T..A2G	N/A
C	Power adapter	AMIGO	CT-5723-03	N/A

2.6 Test Setup Diagram

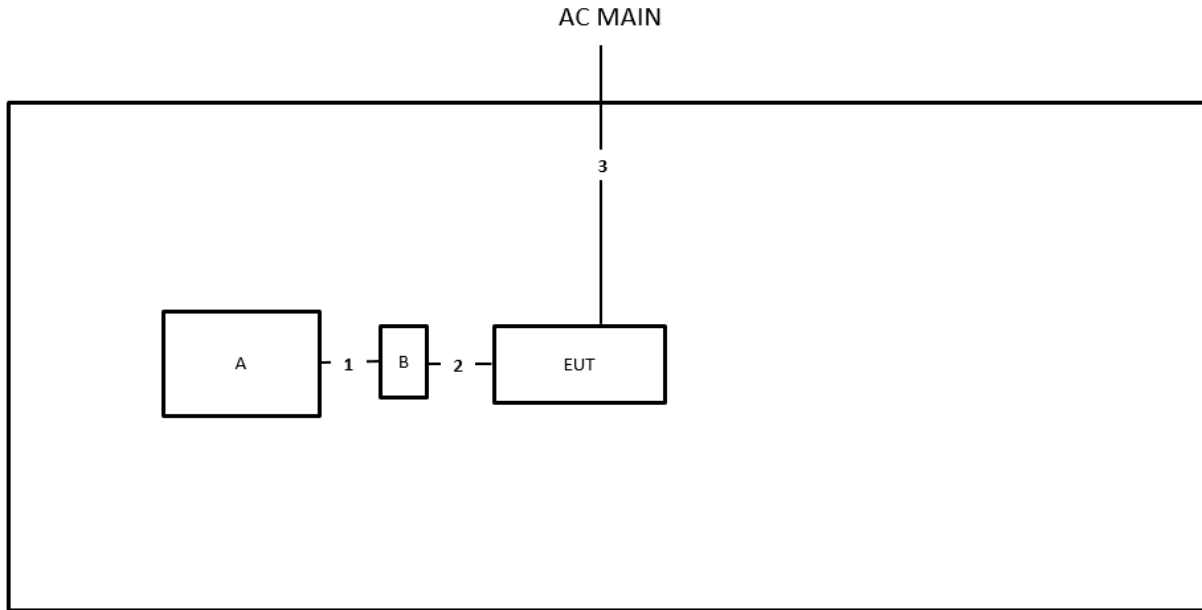


Test Setup Diagram - Radiated Test < 1GHz



Item	Connection	Shielded	Length
1	Power cable	No	2.6m
2	Power cable	No	1.4m
3	Power cable	No	0.2m

Test Setup Diagram - Radiated Test > 1GHz



Item	Connection	Shielded	Length
1	USB cable	No	0.5m
2	PIN cable	No	0.15m
3	Power cable	No	2.6m



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.

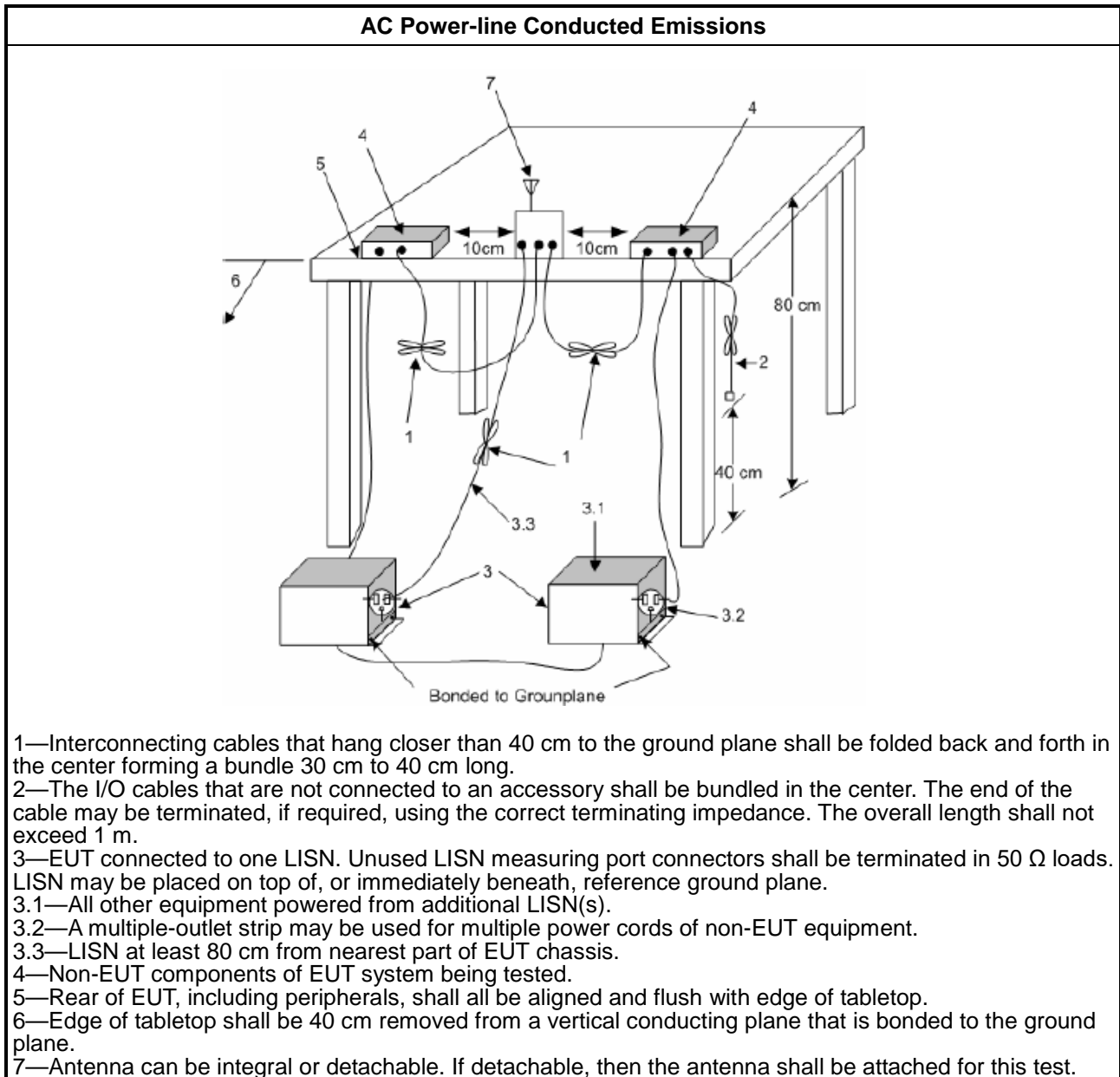
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method
▪ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Test Setup



1.1.1. 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

3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 20dB Bandwidth and Carrier Frequency Separation

3.2.1 20dB Bandwidth and Carrier Frequency Separation Limit

20dB Bandwidth and Carrier Frequency Separation Limit for Frequency Hopping Systems	
▪ 902-928 MHz Band:	
	▪ $N \geq 50$ and $ChS \geq MAX$ (20 dB bandwidth, 25 kHz); 20 dB bandwidth \leq 250 kHz.
	▪ $50 > N \geq 25$ and $ChS \geq MAX$ (20 dB bandwidth, 25 kHz); 20 dB bandwidth $>$ 250 kHz.
▪ 2400-2483.5 MHz Band:	
	▪ $N \geq 75$ and $ChS \geq MAX$ (20 dB bandwidth, 25 kHz).
	▪ $75 > N \geq 15$ and $ChS \geq MAX$ (20 dB bandwidth 2/3, 25 kHz).
▪ 5725-5850 MHz Band:	
	▪ $N \geq 75$ and $ChS \geq MAX$ (20 dB bandwidth, 25 kHz); 20 dB bandwidth \leq 1 MHz.
N: Number of Hopping Frequencies; ChS: Hopping Channel Separation	

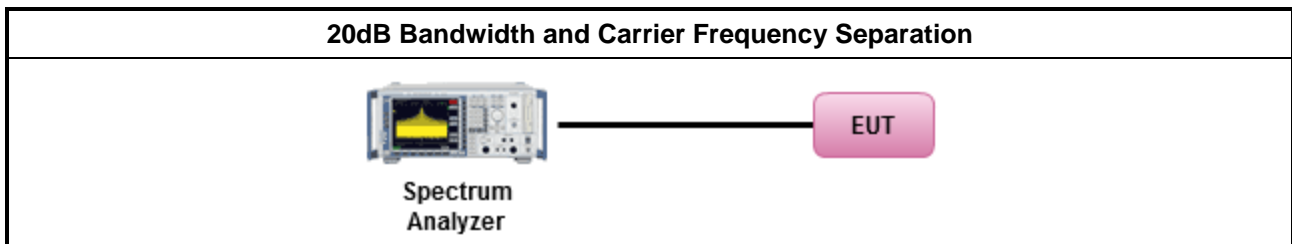
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method
▪ Refer as ANSI C63.10-2013, clause 6.9.1 for 20 dB bandwidth measurement.
▪ Refer as ANSI C63.10-2013, clause 7.8.2 for carrier frequency separation measurement.

3.2.4 Test Setup



3.2.5 Test Result of 20dB Bandwidth

Refer as Appendix B

3.2.6 Test Result of Carrier Frequency Separation

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
<ul style="list-style-type: none"> ▪ 902-928 MHz Band: 	
	<ul style="list-style-type: none"> ▪ $N \geq 50$; Power 30dBm; EIRP 36dBm
	<ul style="list-style-type: none"> ▪ $50 > N \geq 25$; Power 23.98dBm; EIRP 29.98dBm
<ul style="list-style-type: none"> ▪ 2400-2483.5 MHz Band: 	
	<ul style="list-style-type: none"> ▪ $N \geq 75$; Power 30dBm; EIRP 36dBm
	<ul style="list-style-type: none"> ▪ $75 > N \geq 15$; Power 21dBm; EIRP 27dBm
<ul style="list-style-type: none"> ▪ 5725-5850 MHz Band: 	
	<ul style="list-style-type: none"> ▪ $N \geq 75$; Power 30dBm; EIRP 36dBm
N: Number of Hopping Frequencies	

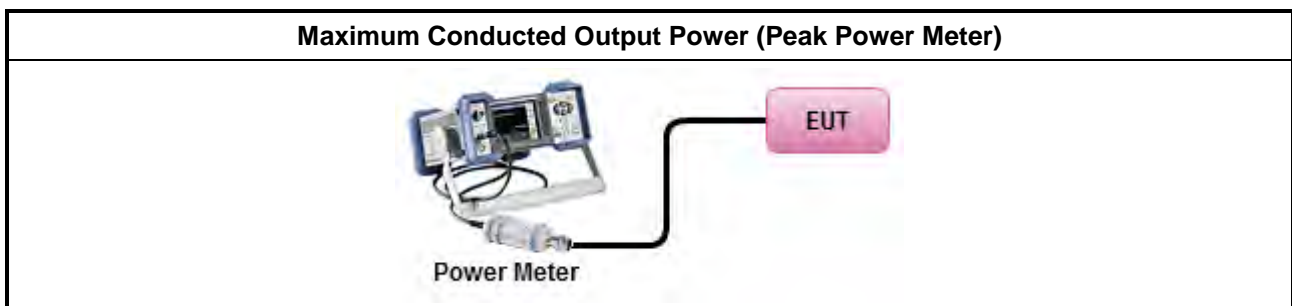
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method
<ul style="list-style-type: none"> ▪ Refer as ANSI C63.10-2013, clause 7.8.5 for output power measurement.

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Number of Hopping Frequencies and Hopping Bandedge

3.4.1 Number of Hopping Frequencies Limit

Number of Hopping Frequencies Limit	
▪	902-928 MHz Band:
	▪ $N \geq 50$ and $ChS \geq MAX$ (20 dB bandwidth, 25 kHz); 20 dB bandwidth \leq 250 kHz.
	▪ $50 > N \geq 25$ and $ChS \geq MAX$ (20 dB bandwidth, 25 kHz); 20 dB bandwidth $>$ 250 kHz.
▪	2400-2483.5 MHz Band:
	▪ $N \geq 75$ and $ChS \geq MAX$ (20 dB bandwidth, 25 kHz).
	▪ $75 > N \geq 15$ and $ChS \geq MAX$ (20 dB bandwidth 2/3, 25 kHz).
▪	5725-5850 MHz Band:
	▪ $N \geq 75$ and $ChS \geq MAX$ (20 dB bandwidth, 25 kHz); 20 dB bandwidth \leq 1 MHz.
N: Number of Hopping Frequencies; ChS : Hopping Channel Separation	

3.4.2 Hopping Bandedge Limit

Refer clause 3.6.1 and clause 3.7.1

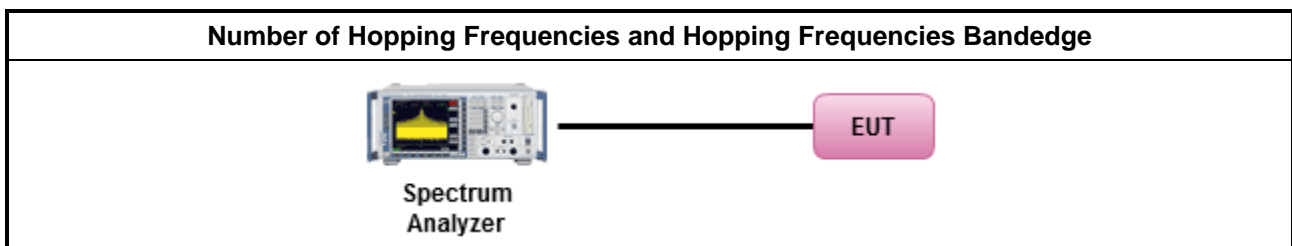
3.4.3 Measuring Instruments

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

3.4.4 Test Procedures

Test Method
▪ Refer as ANSI C63.10-2013, clause 7.8.3 for number of hopping frequencies measurement.
▪ Refer as ANSI C63.10-2013, clause 7.8.6 for hopping frequencies Bandedge measurement.

3.4.5 Test Setup



3.4.6 Test Result of Number of Hopping Frequencies

Refer as Appendix D

3.4.7 Test Result of Number of Hopping Frequencies Bandedge

Refer as Appendix D

3.5 Time of Occupancy (Dwell Time)

3.5.1 Time of Occupancy (Dwell Time) Limit

20dB Bandwidth and Carrier Frequency Separation Limit for Frequency Hopping Systems	
<ul style="list-style-type: none"> 902-928 MHz Band: 	
	<ul style="list-style-type: none"> N ≥ 50; 0.4s in 20s period
	<ul style="list-style-type: none"> 50 > N ≥ 25; 0.4s in 10s period
<ul style="list-style-type: none"> 2400-2483.5 MHz Band: 	
	<ul style="list-style-type: none"> N ≥ 75; 0.4s in N x 0.4 period
	<ul style="list-style-type: none"> 75 > N ≥ 15; 0.4s in N x 0.4 period
<ul style="list-style-type: none"> 5725-5850 MHz Band: 	
	<ul style="list-style-type: none"> N ≥ 75; 0.4s in 30s period
N: Number of Hopping Frequencies	

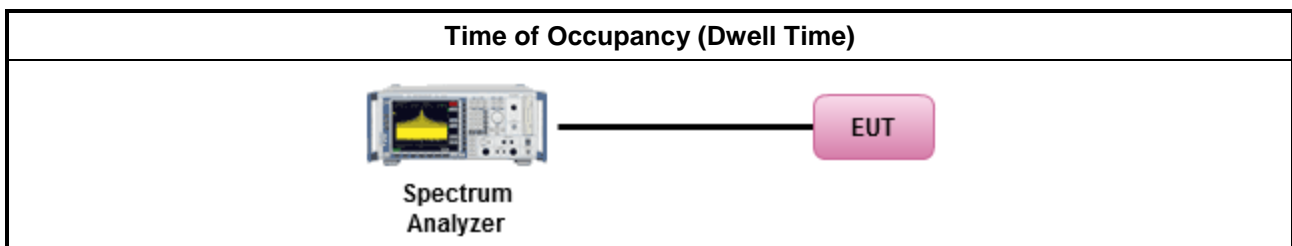
3.5.2 Measuring Instruments

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"> Refer as ANSI C63.10-2013, clause 7.8.4 for dwell time measurement. 	
<ul style="list-style-type: none"> Bluetooth ACL packets can be 1, 3, or 5 time slots. Following as dwell time. Operate DH5 at maximum dwell time and maximum duty cycle. 	
	<ul style="list-style-type: none"> The DH5 packet can cover up to 5 time slots. Operate DH5 at maximum dwell time and maximum duty cycle. A maximum length packet has duration of 5 time slots. The hopping rate is 1600 hops/second so the maximum dwell time is 5/1600 seconds, or 3.125ms. DH5 Packet permit maximum $1600 / 79 / 6 = 3.37$ hops per second in each channel.

3.5.4 Test Setup



3.5.5 Test Result of Time of Occupancy (Dwell Time)

Refer as Appendix E

3.6 Emissions in Non-restricted Frequency Bands

3.6.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	Limit (dBc)
Peak output power procedure	20
Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak PSD level.	

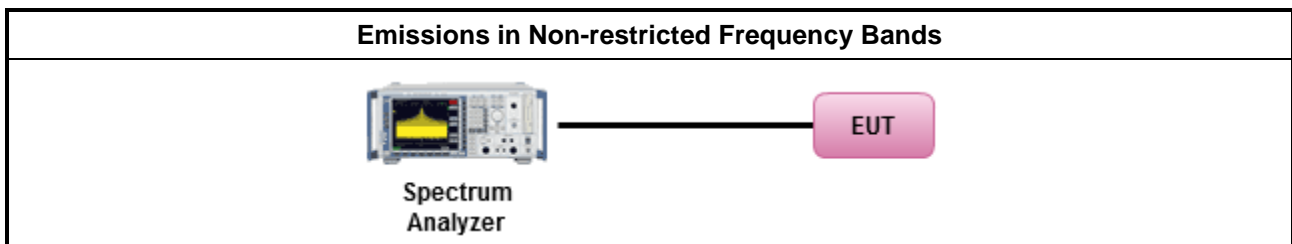
3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

Test Method
<ul style="list-style-type: none"> Refer as ANSI C63.10-2013, clause 7.8.8 for unwanted emissions into non-restricted bands.

3.6.4 Test Setup



3.6.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix F



3.7 Emissions in Restricted Frequency Bands

3.7.1 Emissions in Restricted Frequency Bands Limit

Restricted Band Emissions 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.

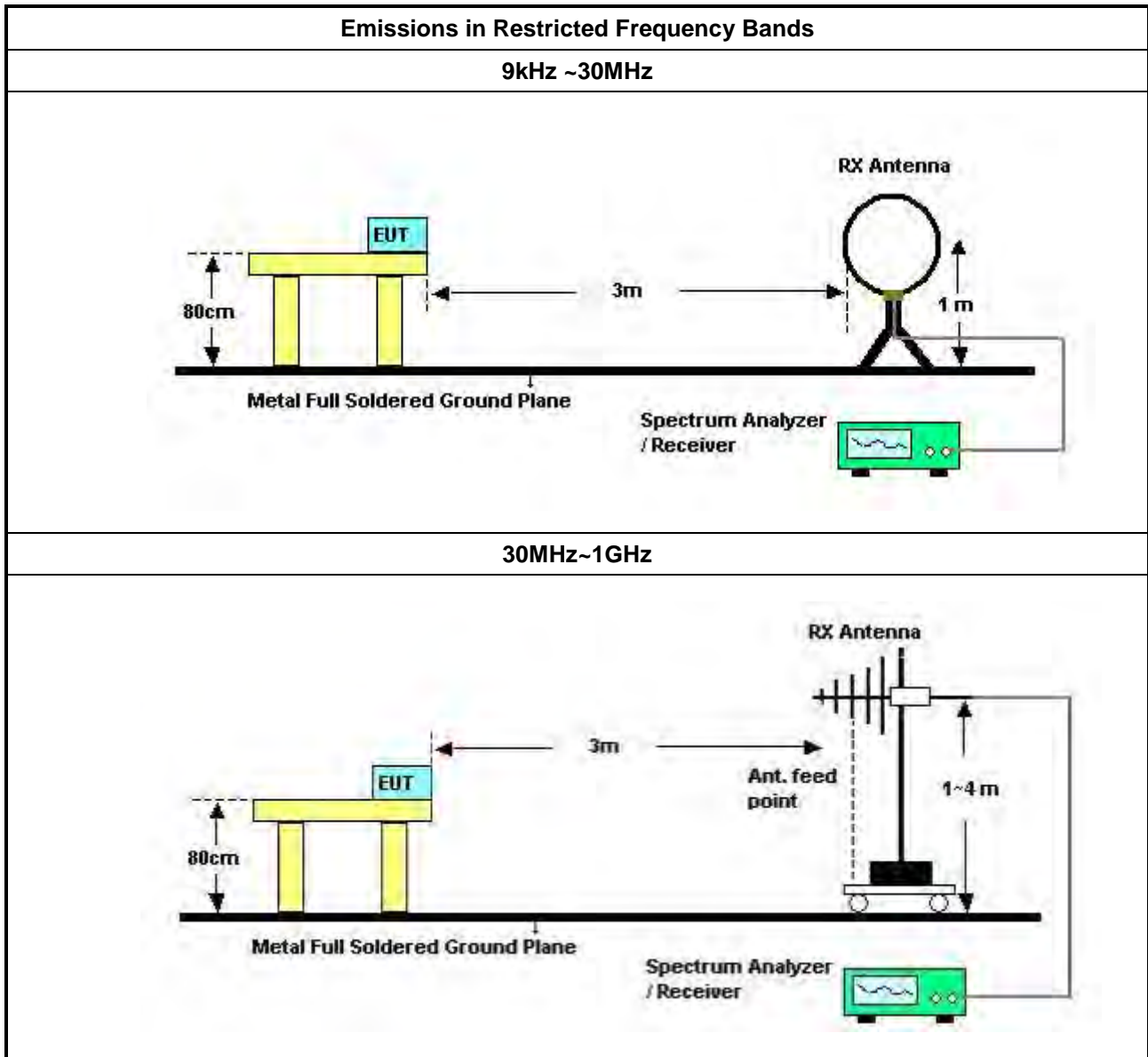
3.7.2 Measuring Instruments

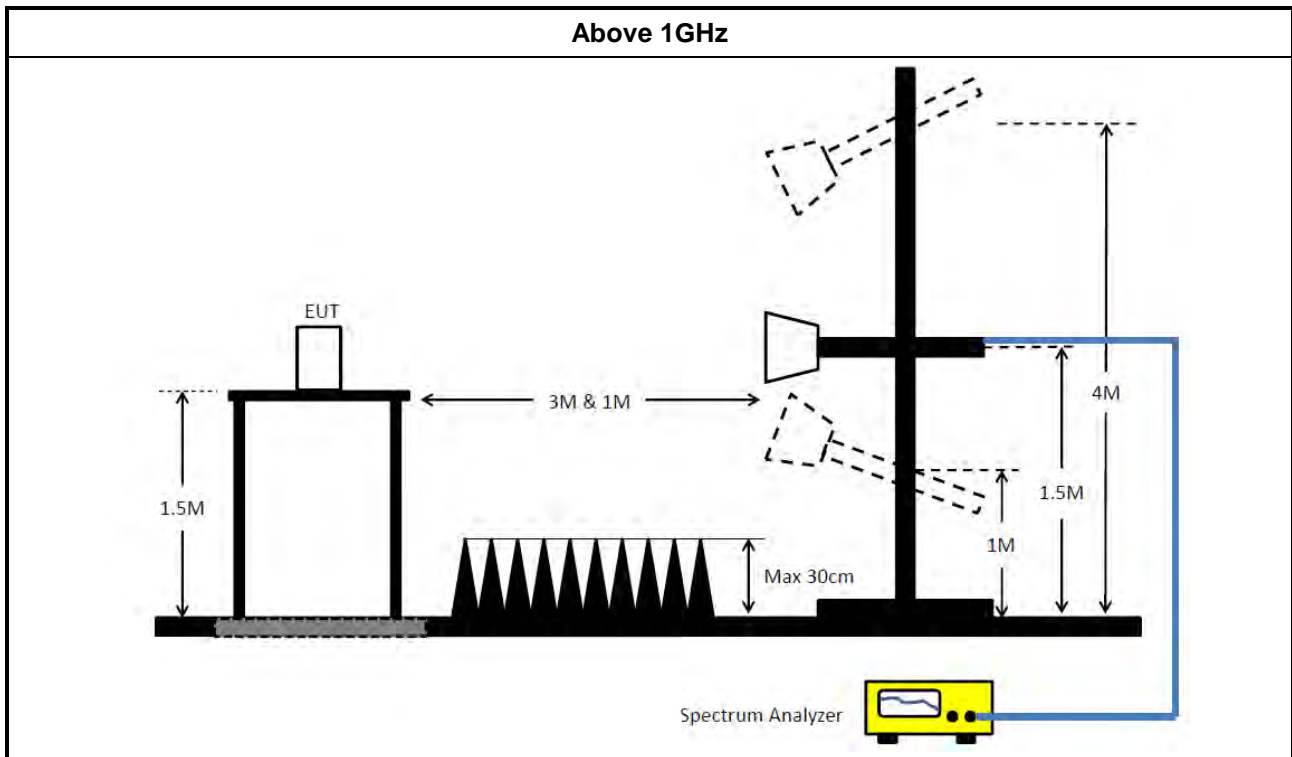
Refer a test equipment and calibration data table in this test report.

3.7.3 Test Procedures

Test Method				
<ul style="list-style-type: none"> The average emission levels shall be measured in [hopping duty factor]. 				
<ul style="list-style-type: none"> Refer as ANSI C63.10; clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band. 				
<ul style="list-style-type: none"> For the transmitter unwanted emissions shall be measured using following options below: <table border="1" data-bbox="188 1776 1428 1912"> <tbody> <tr> <td> <ul style="list-style-type: none"> Refer as ANSI C63.10, clause 4.1.4.2.1 QP value. </td> </tr> <tr> <td> <ul style="list-style-type: none"> Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak. </td> </tr> <tr> <td> <ul style="list-style-type: none"> Refer as ANSI C63.10, clause 4.1.4.2.4 average value of hopping pulsed emissions. </td> </tr> </tbody> </table> 		<ul style="list-style-type: none"> Refer as ANSI C63.10, clause 4.1.4.2.1 QP value. 	<ul style="list-style-type: none"> Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak. 	<ul style="list-style-type: none"> Refer as ANSI C63.10, clause 4.1.4.2.4 average value of hopping pulsed emissions.
<ul style="list-style-type: none"> Refer as ANSI C63.10, clause 4.1.4.2.1 QP value. 				
<ul style="list-style-type: none"> Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak. 				
<ul style="list-style-type: none"> Refer as ANSI C63.10, clause 4.1.4.2.4 average value of hopping pulsed emissions. 				

3.7.4 Test Setup





3.7.5 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.

3.7.6 Emissions in Restricted Frequency Bands (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.

3.7.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix G



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Feb. 20, 2023	Feb. 19, 2024	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 16, 2023	Feb. 15, 2024	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Apr. 27, 2023	Apr. 26, 2024	Conduction (CO01-CB)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Feb. 09, 2023	Feb. 08, 2024	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	Oct. 18, 2022	Oct. 17, 2023	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	31244	9kHz - 30 MHz	Mar. 23, 2023	Mar. 22, 2024	Radiation (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 03, 2022	Aug. 02, 2023	Radiation (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 02, 2023	Aug. 01, 2024	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH05-CB	1GHz ~18GHz 3m	Nov. 06, 2022	Nov. 05, 2023	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 24, 2023	Mar. 23, 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	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH05-CB)
Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	May 03, 2023	May 02, 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)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 13, 2023	Jun. 12, 2024	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH05-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-28	1GHz~18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-04+28	1GHz~18GHz	Oct. 03, 2022	Oct. 02, 2023	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	100979	9kHz~40GHz	May 29, 2023	May 28, 2024	Conducted (TH01-CB)
Switch	SPTCB	SP-SWI	SWI-01	1 GHz ~26.5 GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-30	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Feb. 22, 2023	Feb. 21, 2024	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Feb. 22, 2023	Feb. 21, 2024	Conducted (TH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH01-CB)

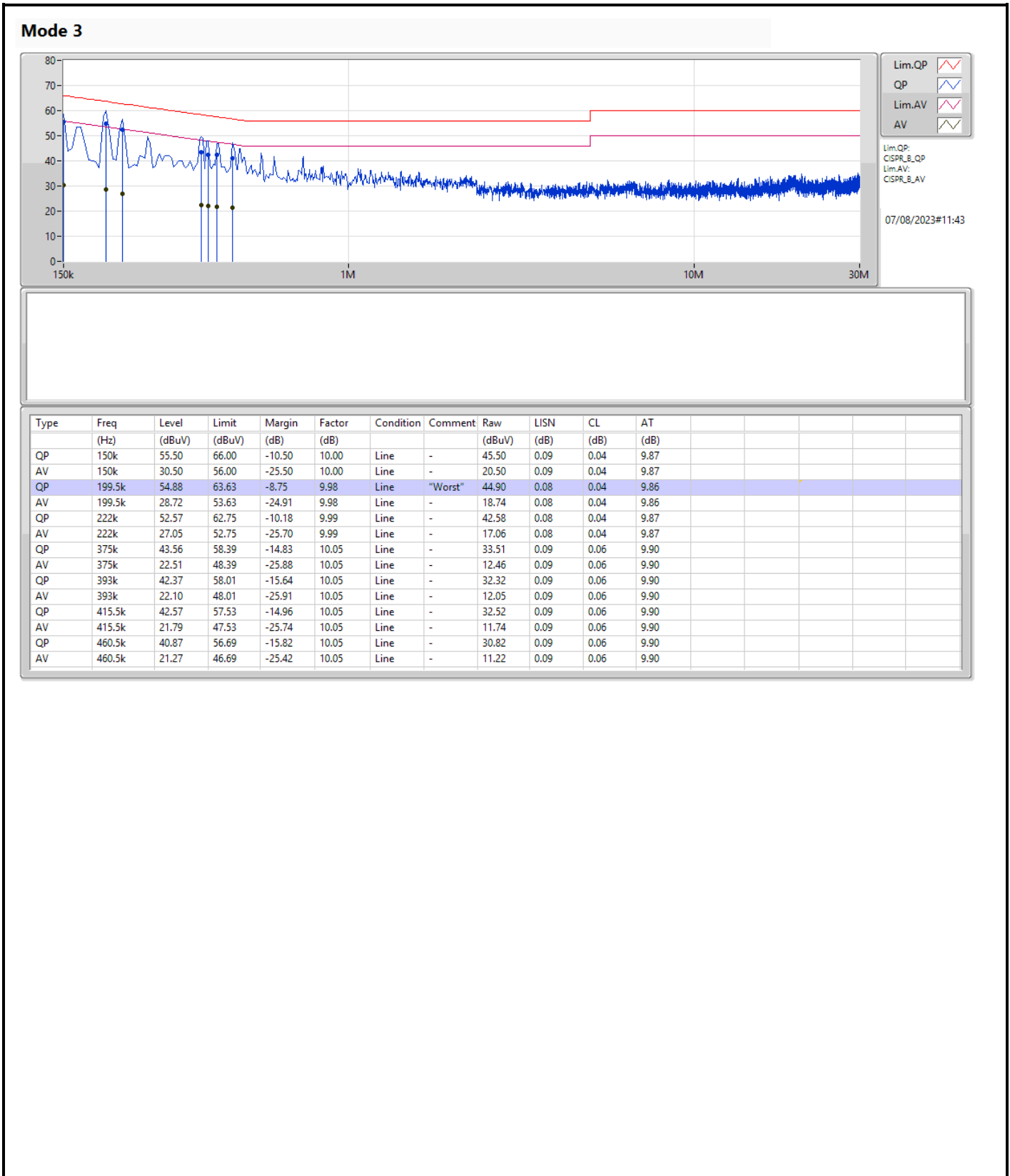
Note: Calibration Interval of instruments listed above is one year.

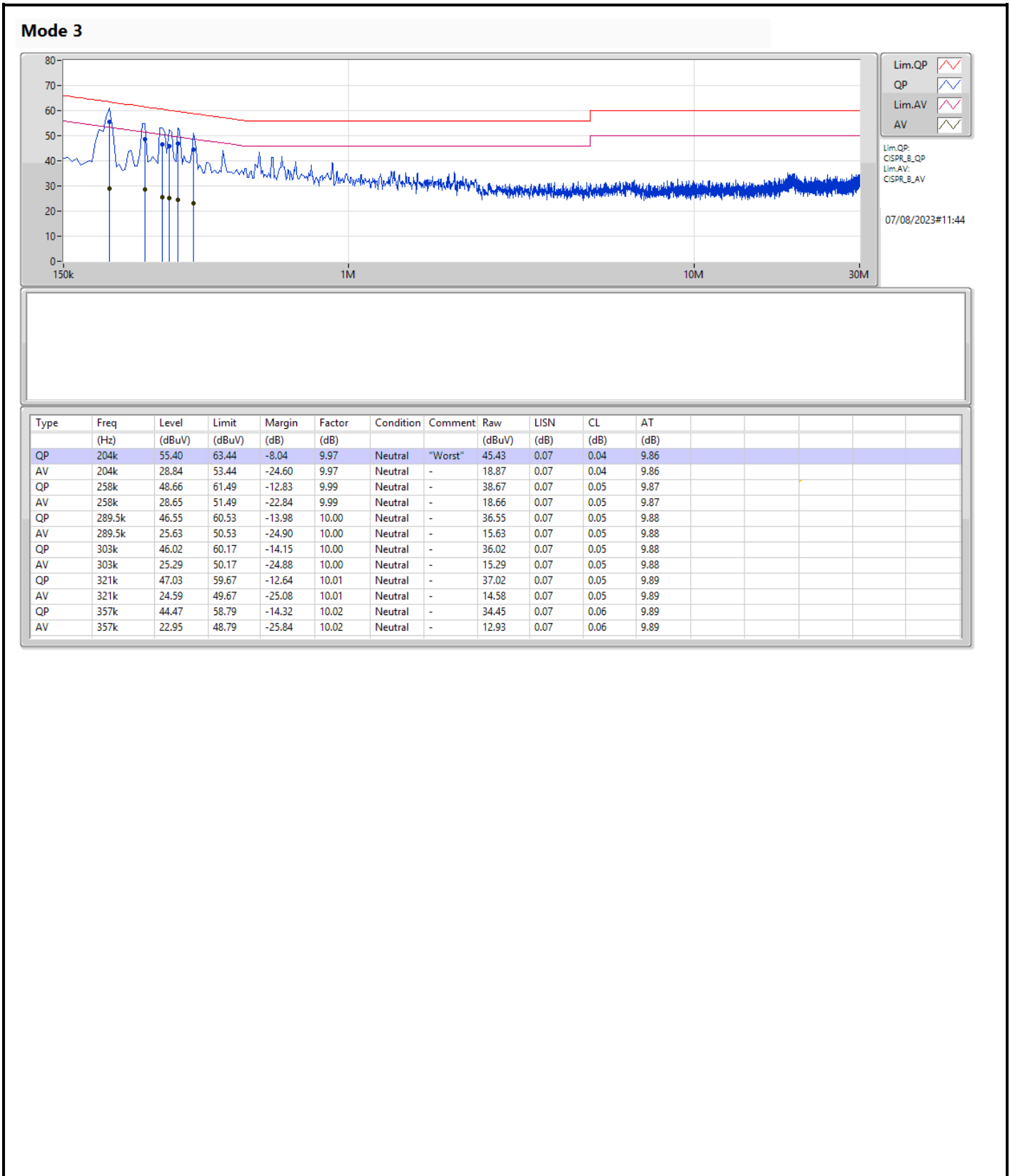
NCR means Non-Calibration required.



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 3	Pass	QP	204k	55.40	63.44	-8.04	Neutral







Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
902-928MHz	-	-	-	-	-
Sub-G	90.406k	88.858k	88K9G1D	85.938k	87.917k

Max-N dB = Maximum 20dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 20dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth



Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
Sub-G	-	-	-	-
920MHz	Pass	Inf	87.312k	88.655k
923.75MHz	Pass	Inf	85.938k	88.858k
927.35MHz	Pass	Inf	90.406k	87.917k

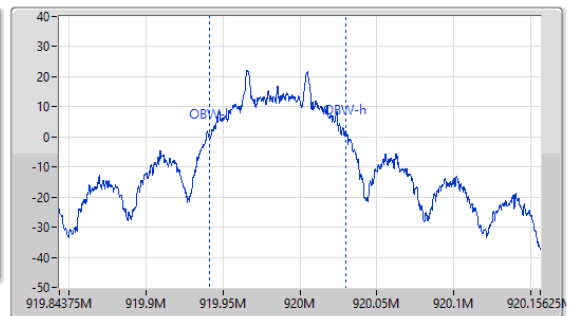
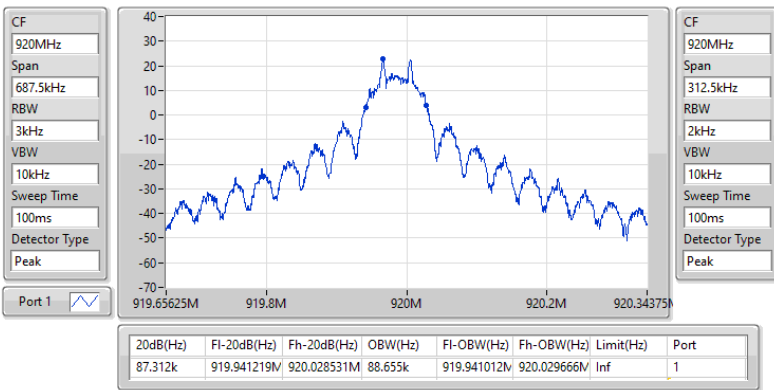
Port X-N dB = Port X 20dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

902-928MHz_Sub-G

EBW-FS

920MHz

01/08/2023

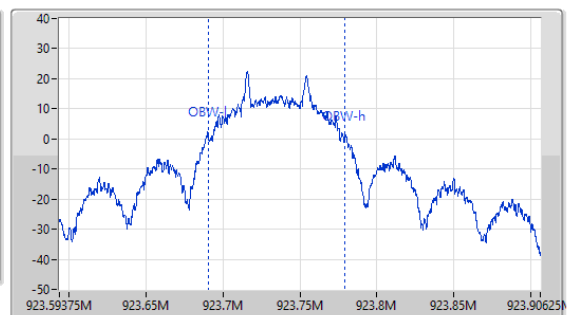
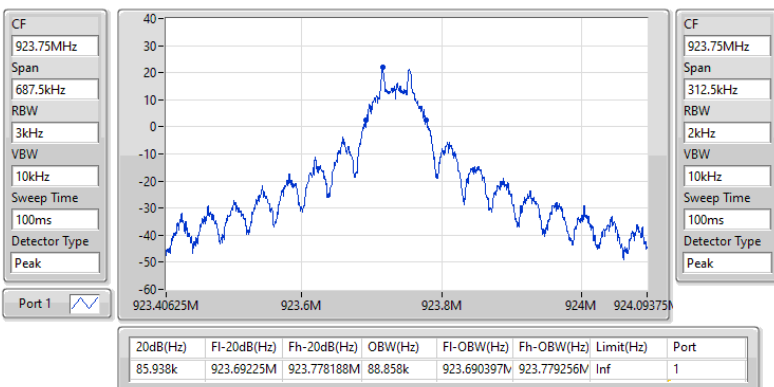


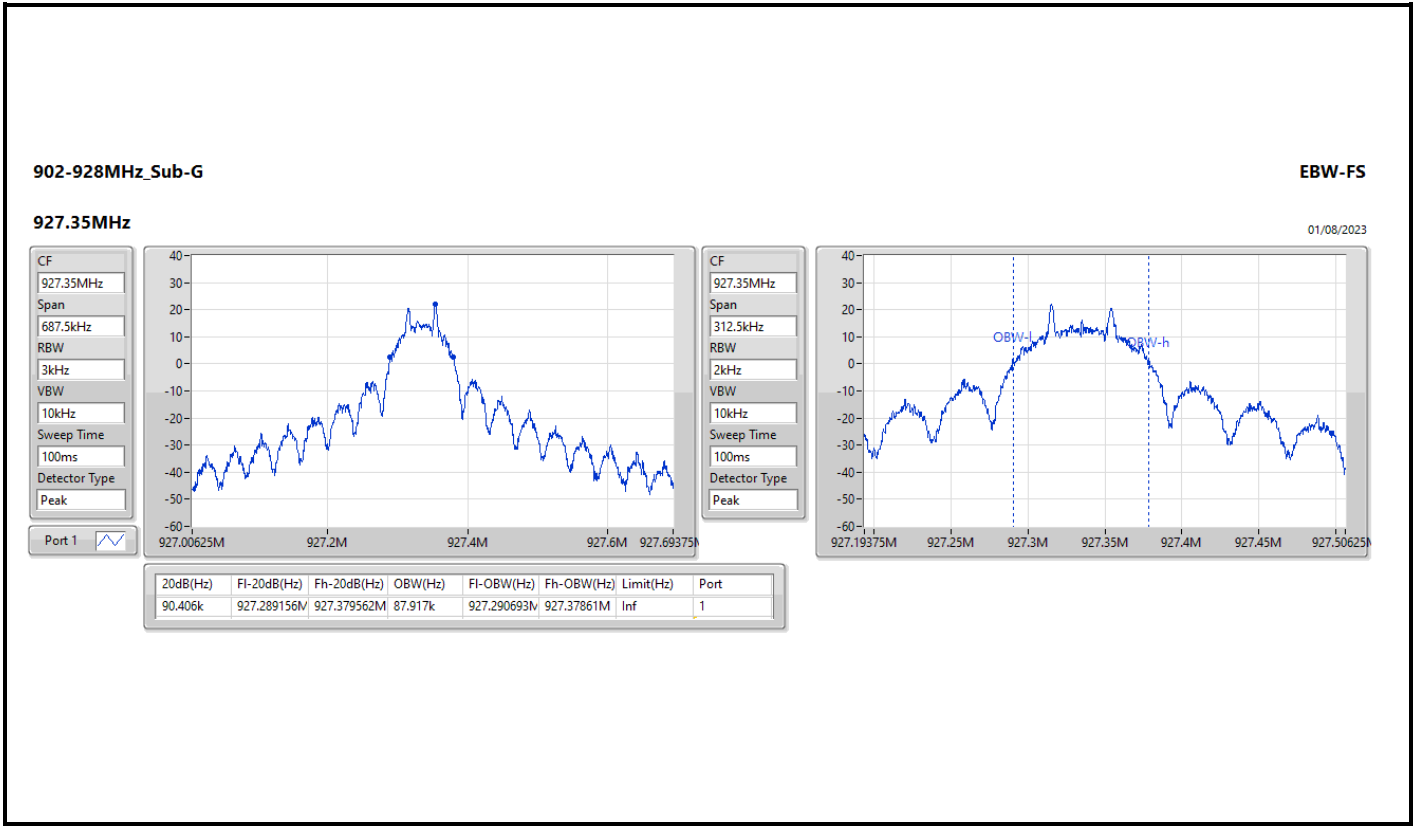
902-928MHz_Sub-G

EBW-FS

923.75MHz

01/08/2023







Summary

Mode	Max-Space (Hz)	Min-Space (Hz)
902-928MHz	-	-
Sub-G	149.8125k	148.6875k



Result

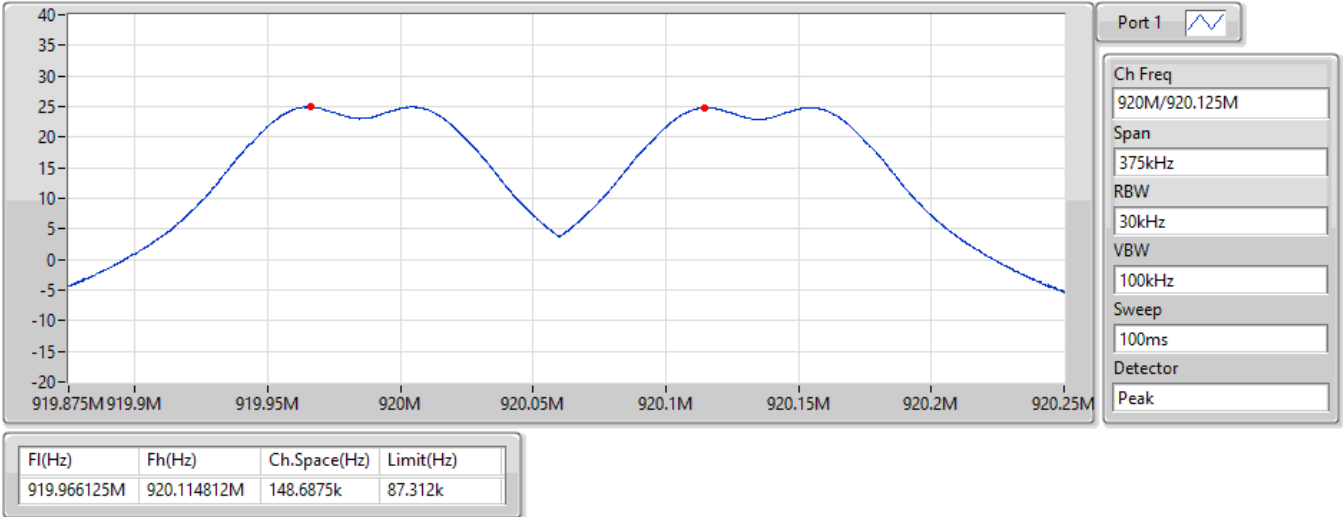
Mode	Result	F _l (Hz)	F _h (Hz)	Ch.Space (Hz)	Limit (Hz)
Sub-G	-	-	-	-	-
920MHz	Pass	919.966125M	920.114812M	148.6875k	87.312k
923.75MHz	Pass	923.715375M	923.865188M	149.8125k	85.938k
927.35MHz	Pass	927.164875M	927.314688M	149.8125k	90.406k

902-928MHz_Sub-G

Channel Separation-FS

920M/920.125MHz

01/08/2023

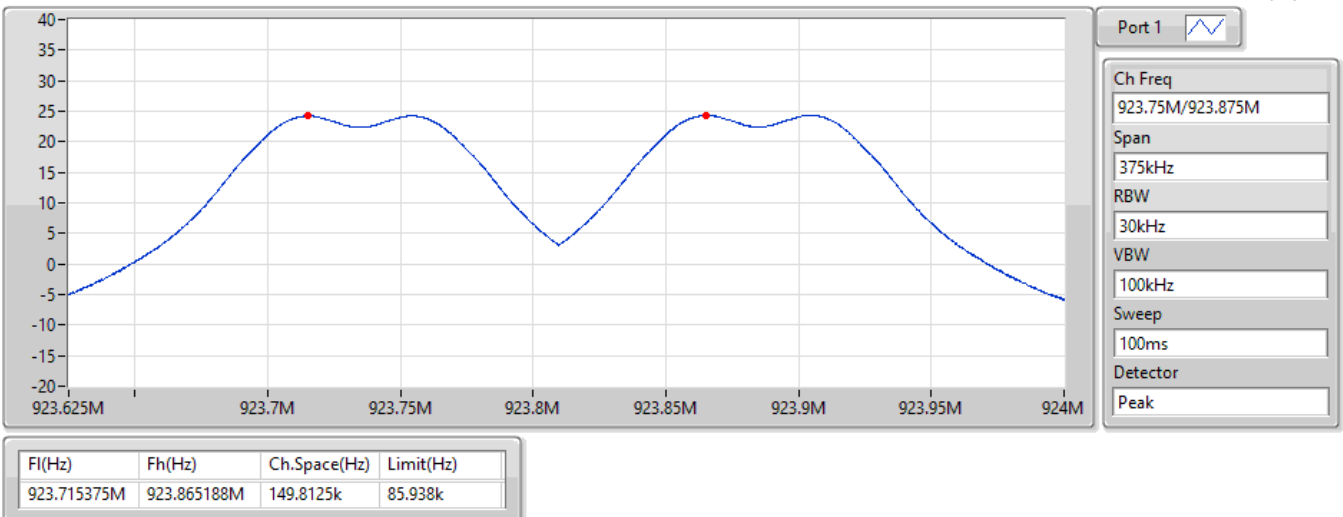


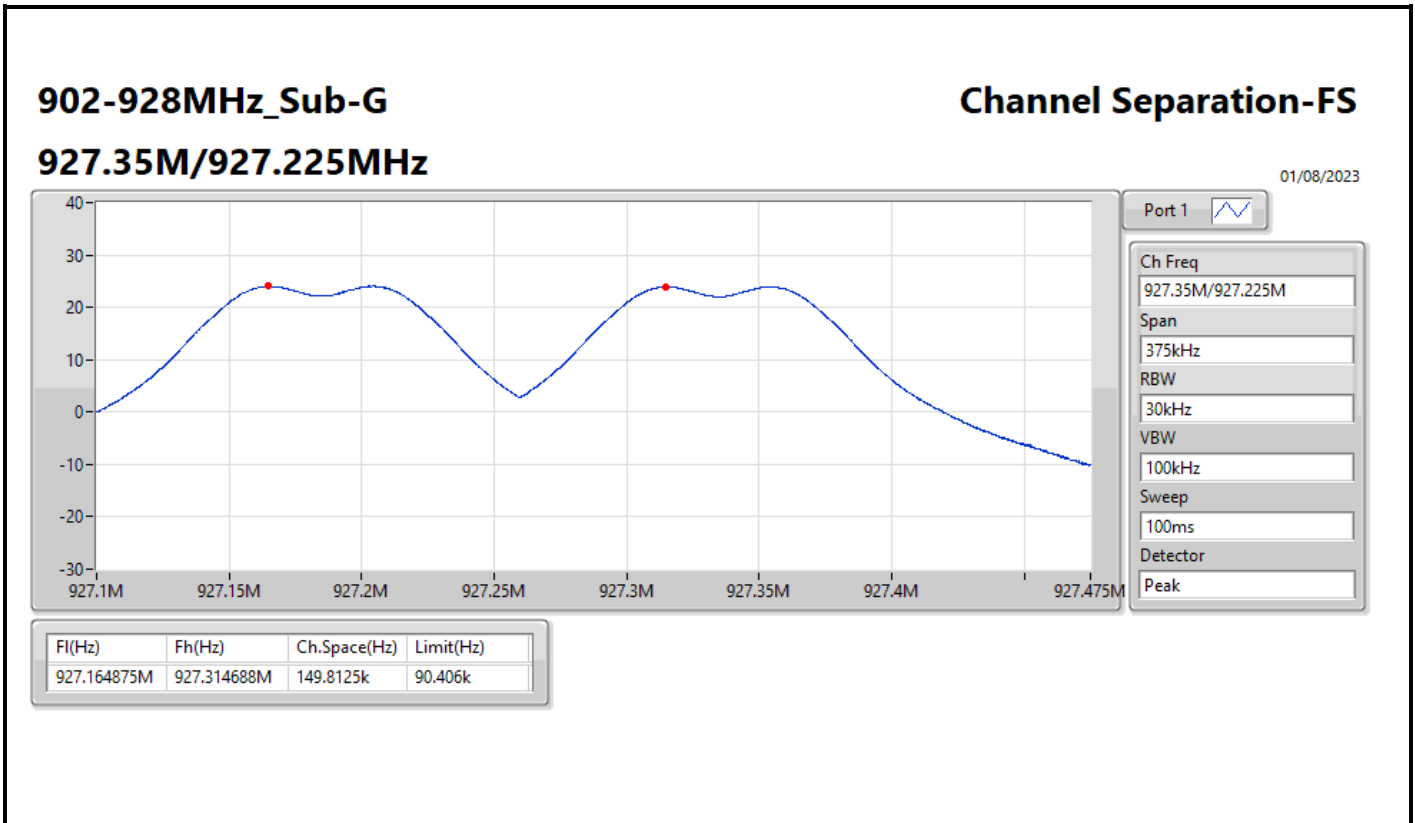
902-928MHz_Sub-G

Channel Separation-FS

923.75M/923.875MHz

01/08/2023







Summary

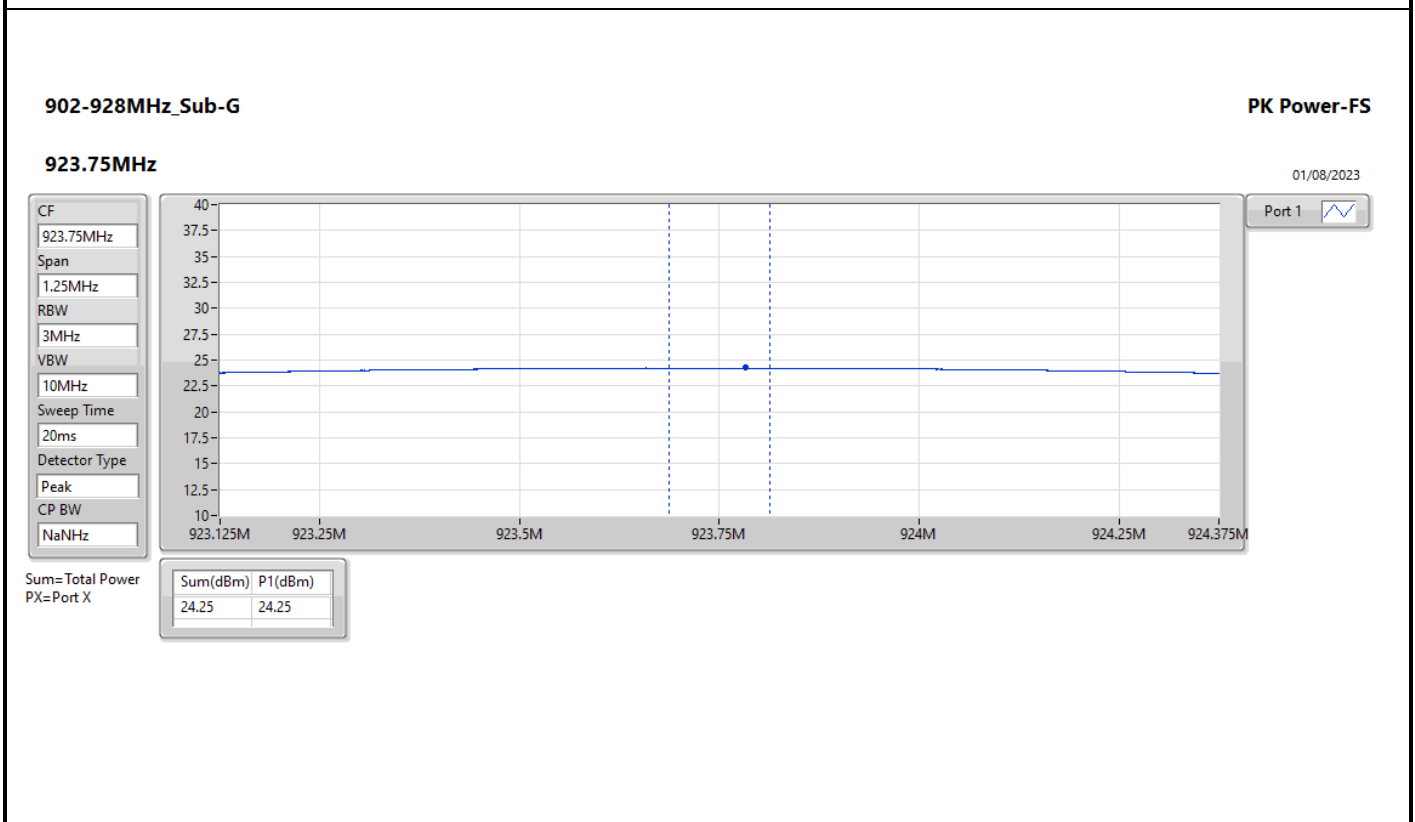
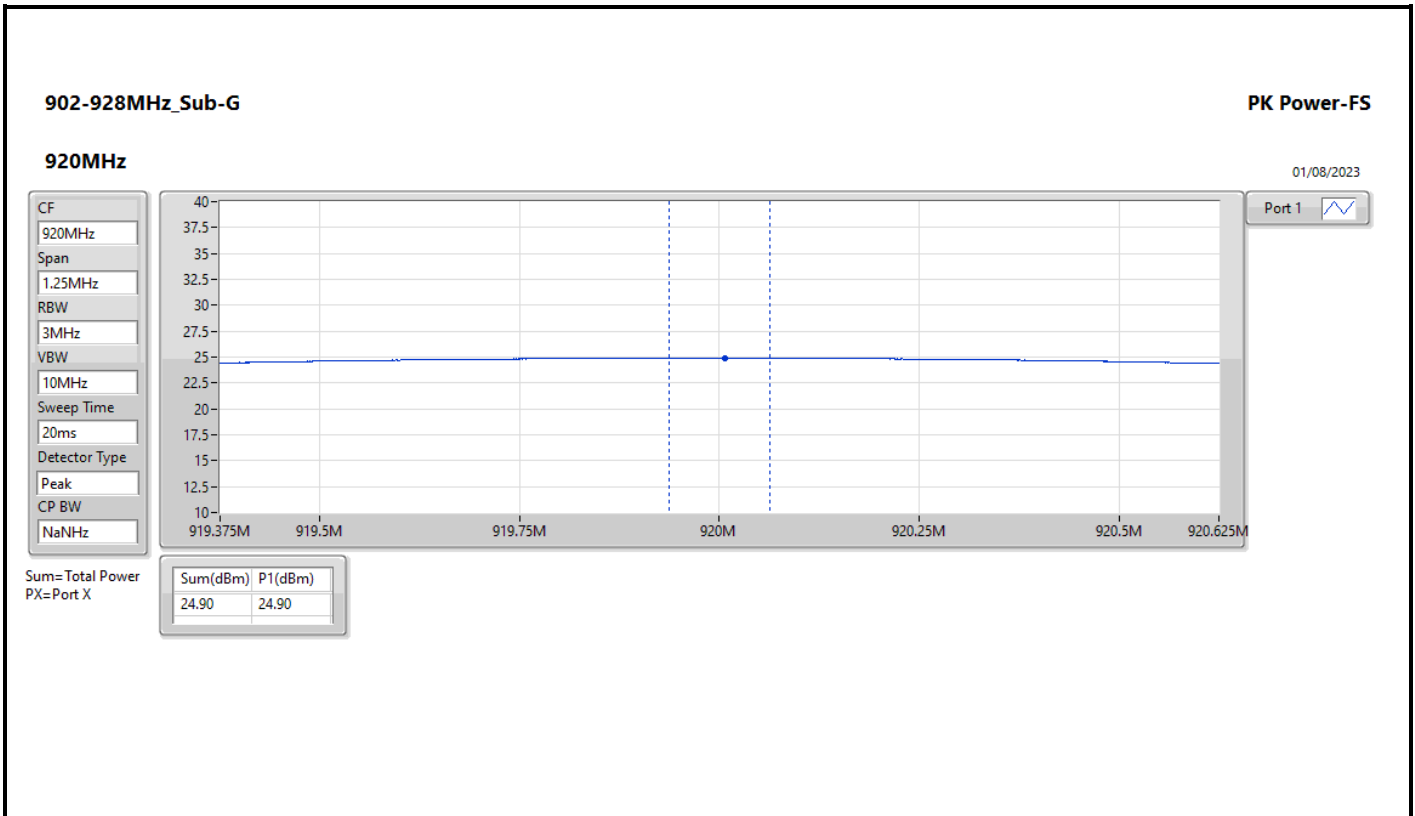
Mode	Total Power (dBm)	Power (W)
902-928MHz	-	-
Sub-G	24.90	0.30903

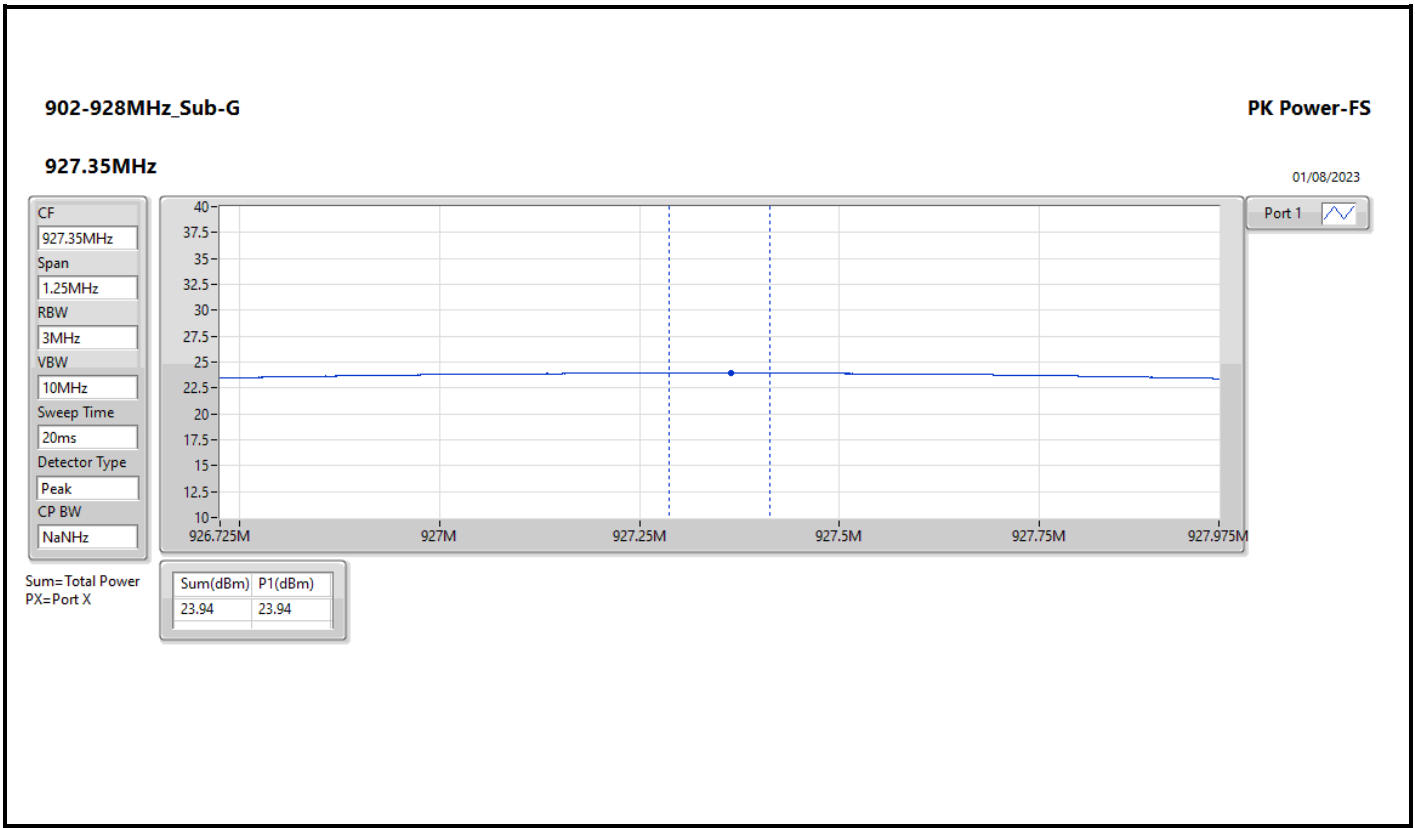


Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
Sub-G	-	-	-	-
920MHz	Pass	1.66	24.90	30.00
923.75MHz	Pass	1.66	24.25	30.00
927.35MHz	Pass	1.66	23.94	30.00

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







Summary

Mode	Total Power (dBm)	Power (W)
902-928MHz	-	-
Sub-G	25.02	0.31769



Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
Sub-G	-	-	-	-
920MHz	Pass	1.66	25.02	30.00
923.75MHz	Pass	1.66	24.38	30.00
927.35MHz	Pass	1.66	24.02	30.00

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



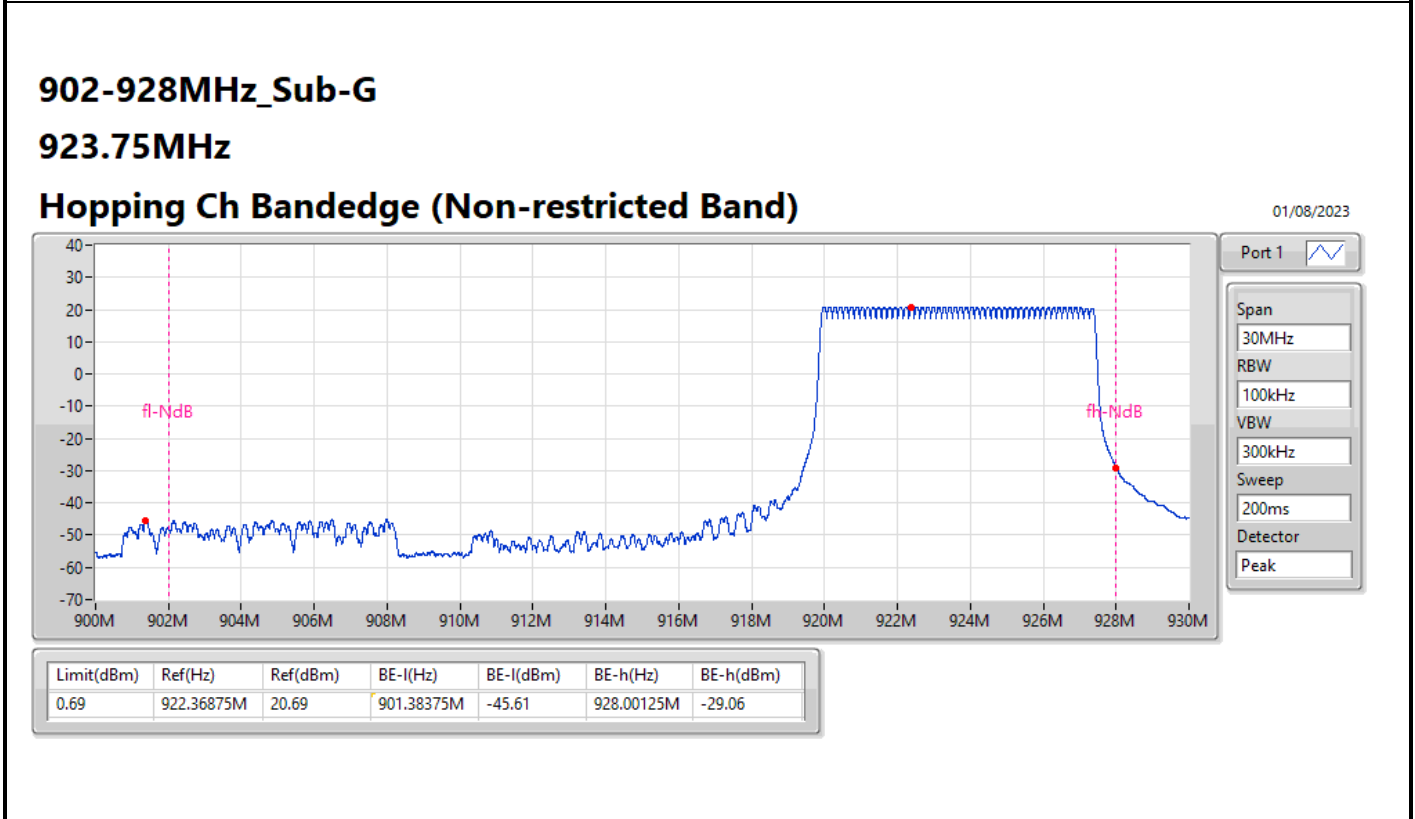
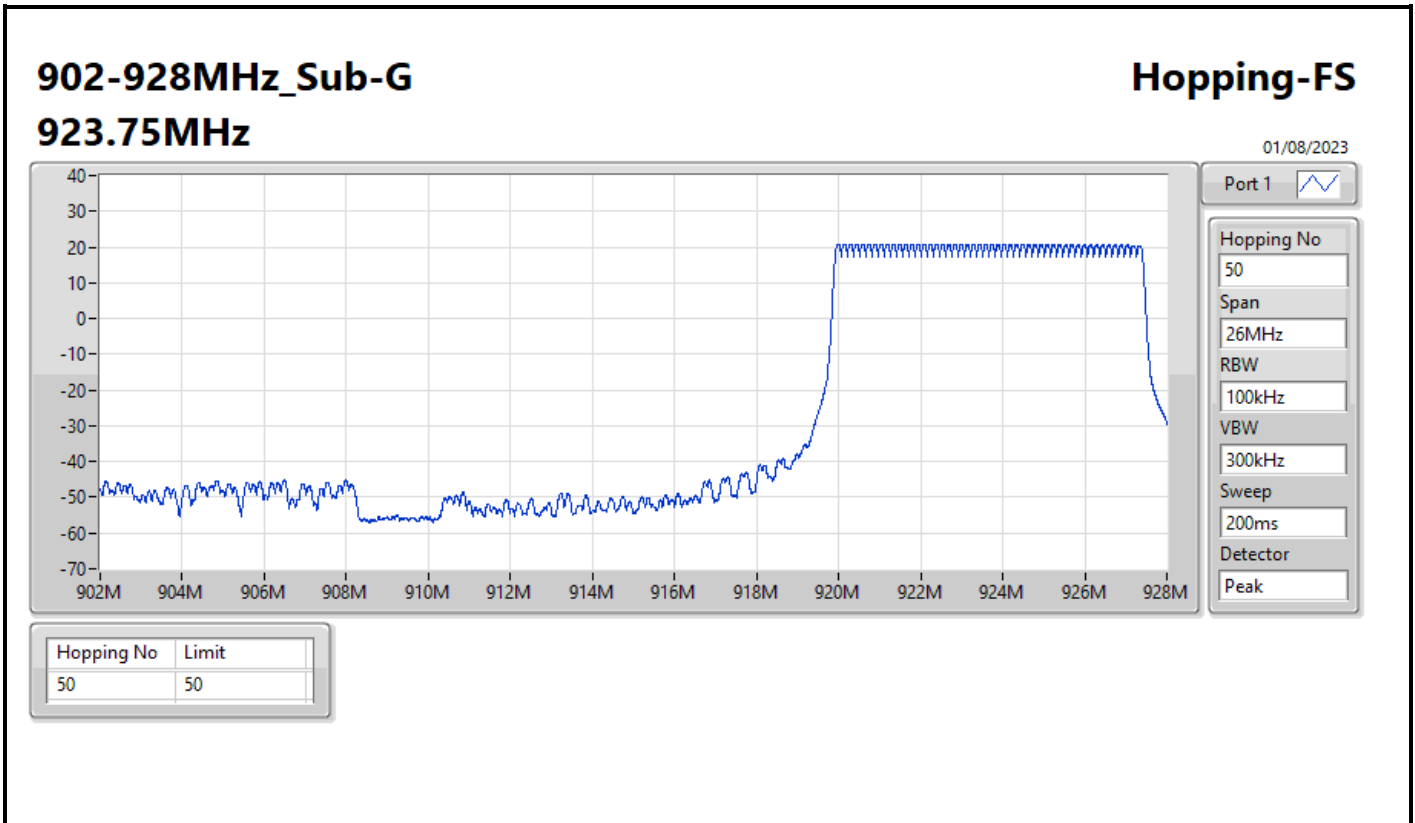
Summary

Mode	Max-Hop No
902-928MHz	-
Sub-G	50



Result

Mode	Result	Hopping No	Limit
Sub-G	-	-	-
923.75MHz	Pass	50	50





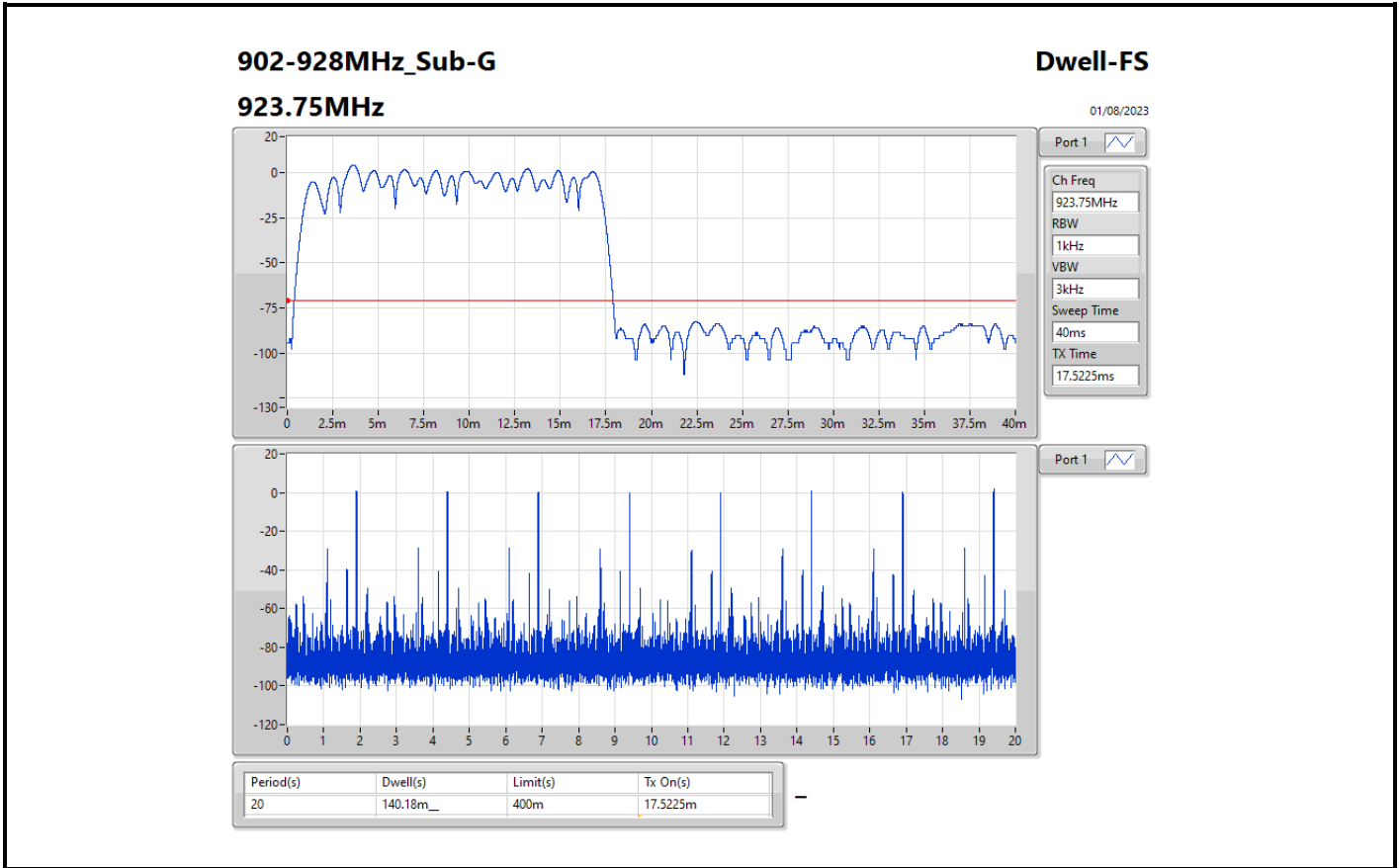
Summary

Mode	Max-Dwell (s)
902-928MHz	-
Sub-G	140.18m__



Result

Mode	Result	Period (s)	Dwell (s)	Limit (s)	Tx On (s)
Sub-G	-	-	-	-	-
923.75MHz	Pass	20	140.18m__	400m	17.5225m





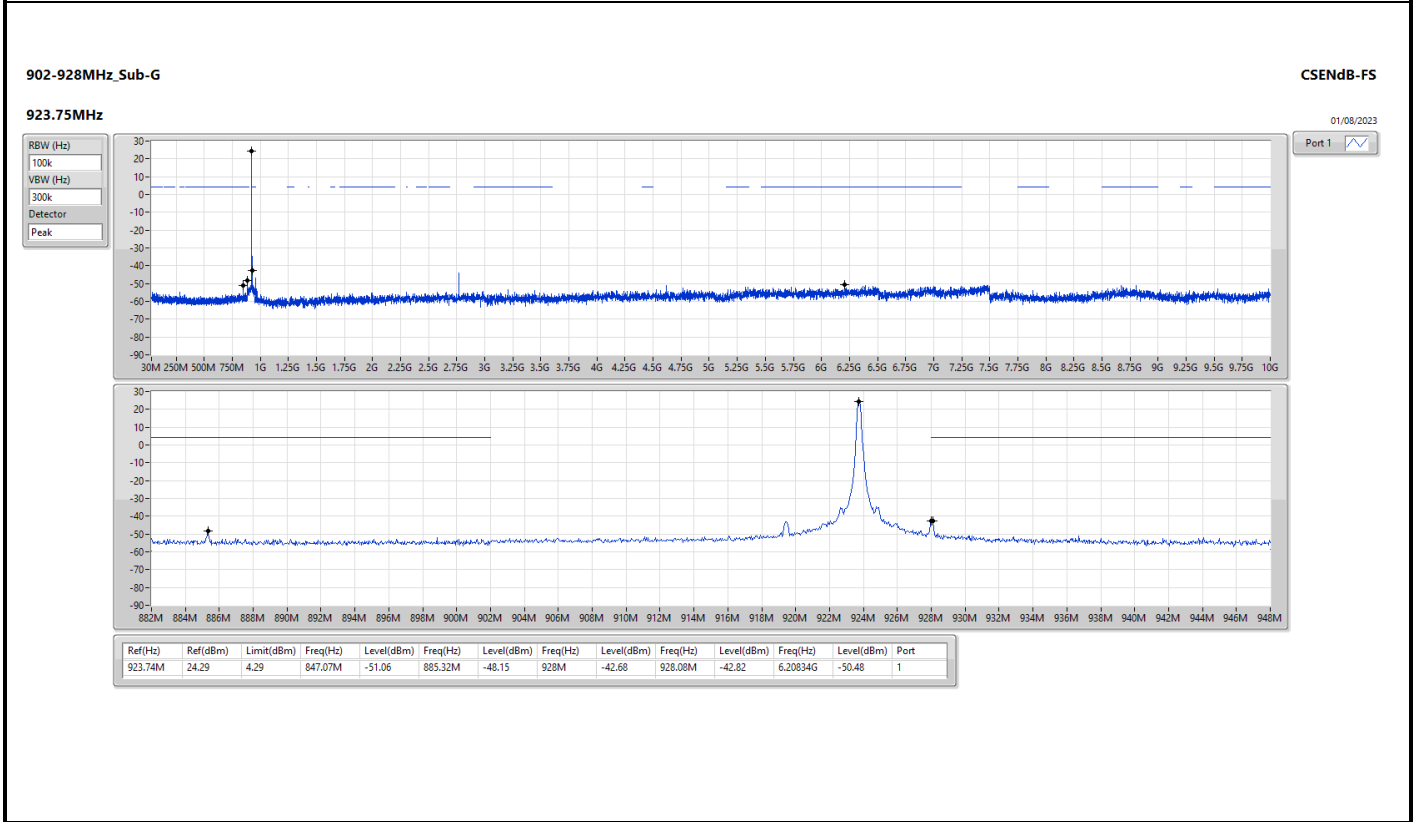
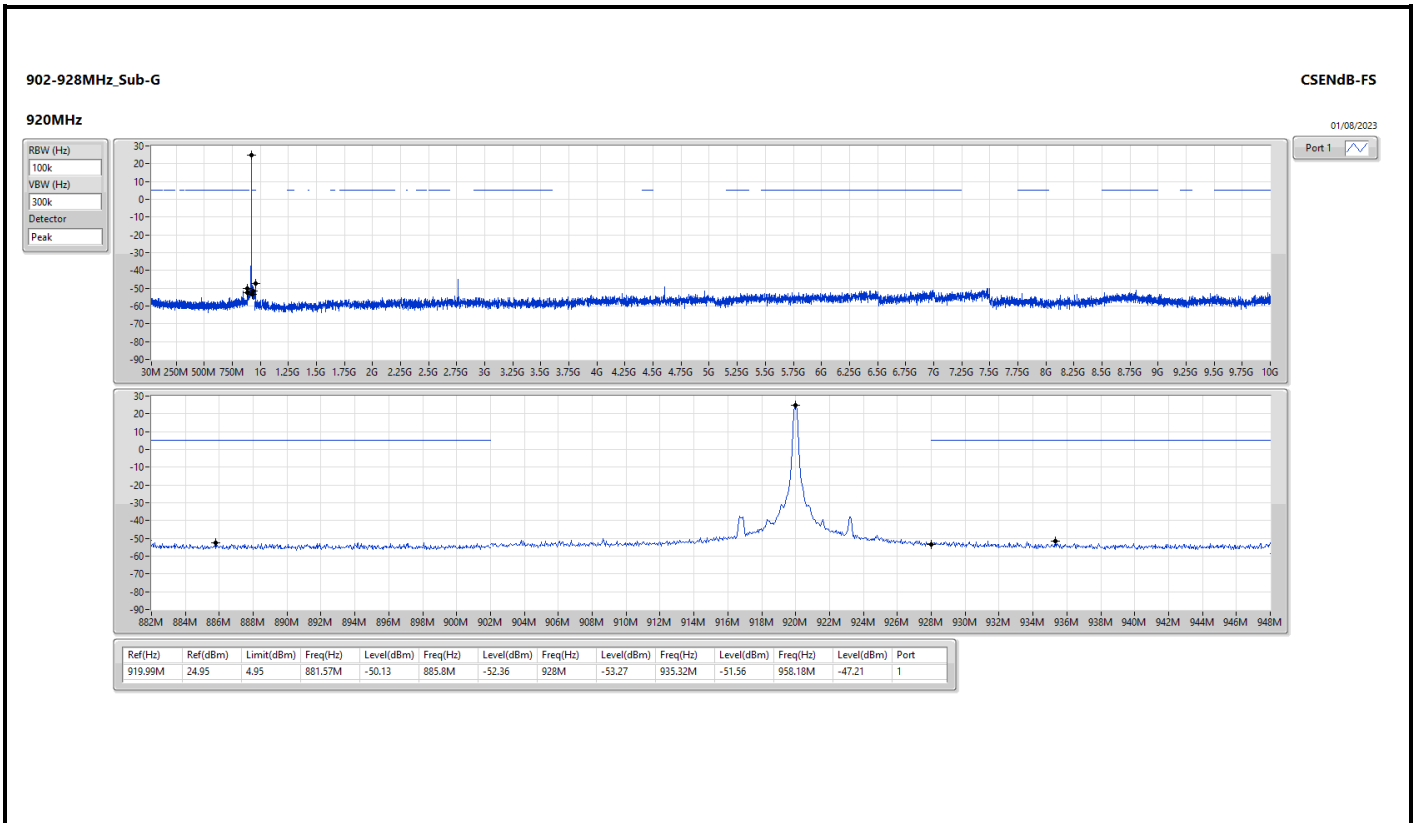
Summary

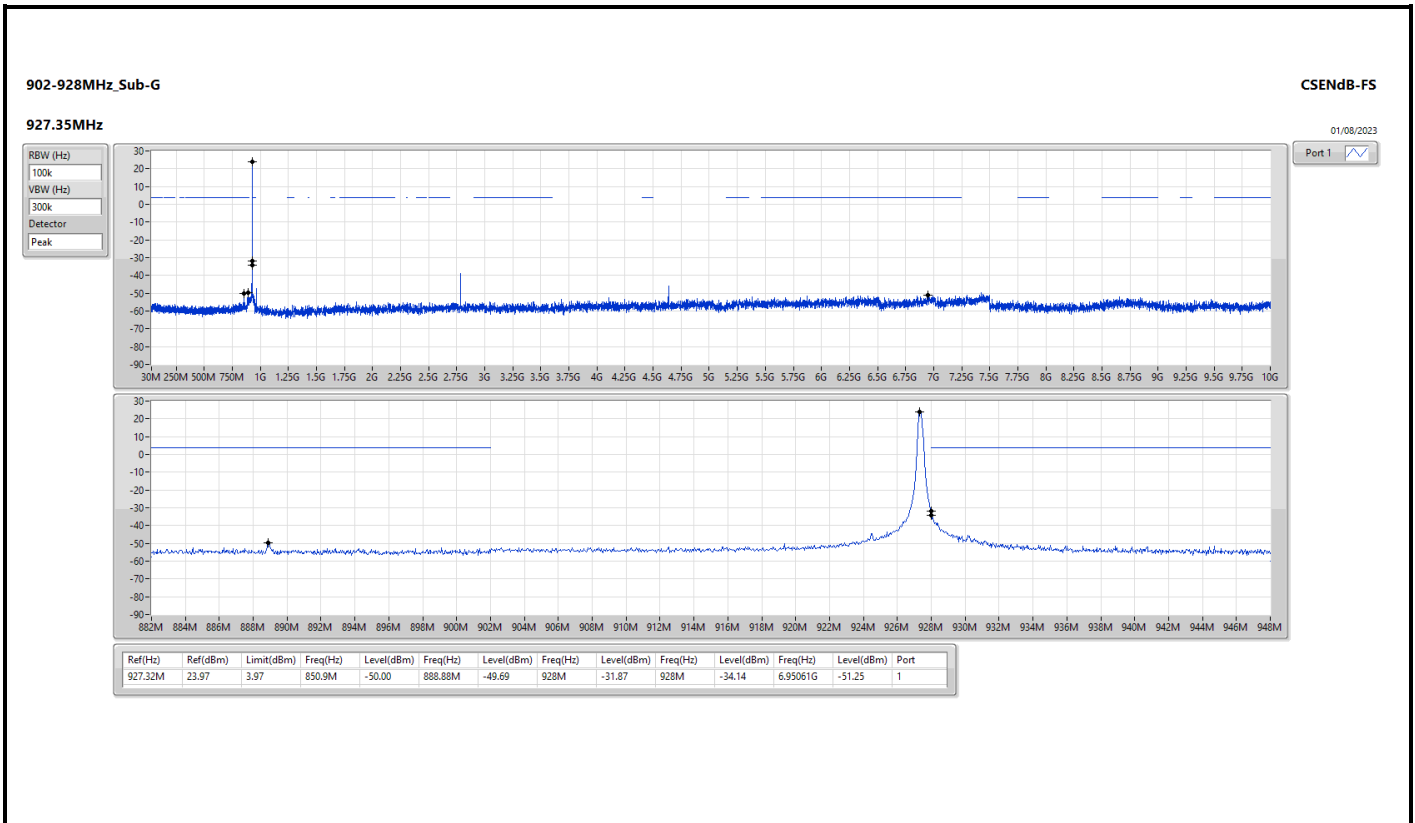
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
902-928MHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sub-G	Pass	927.32M	23.97	3.97	850.9M	-50.00	888.88M	-49.69	928M	-31.87	928M	-34.14	6.95061G	-51.25	1



Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
Sub-G	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
920MHz	Pass	919.99M	24.95	4.95	881.57M	-50.13	885.8M	-52.36	928M	-53.27	935.32M	-51.56	958.18M	-47.21	1
923.75MHz	Pass	923.74M	24.29	4.29	847.07M	-51.06	885.32M	-48.15	928M	-42.68	928.08M	-42.82	6.20834G	-50.48	1
927.35MHz	Pass	927.32M	23.97	3.97	850.9M	-50.00	888.88M	-49.69	928M	-31.87	928M	-34.14	6.95061G	-51.25	1



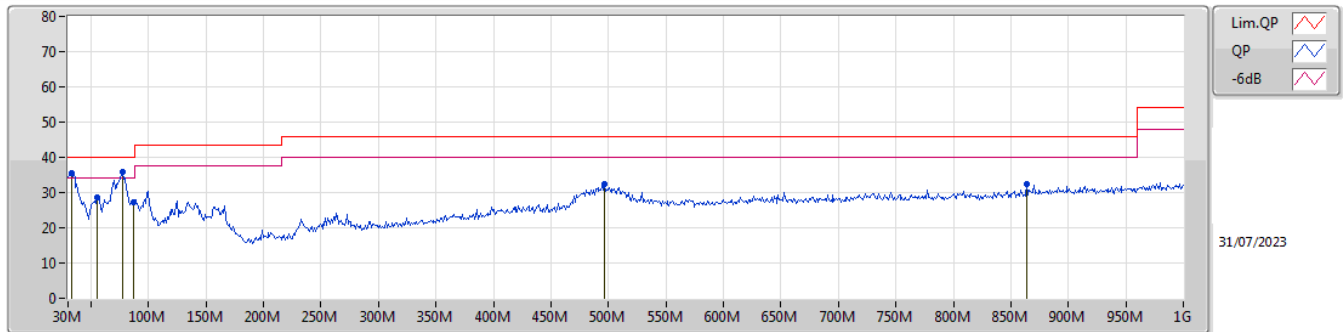




Summary

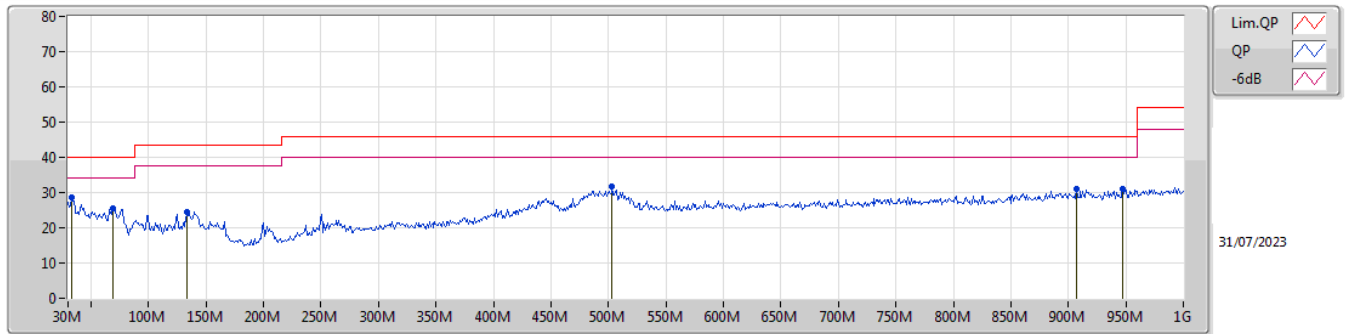
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 3	Pass	PK	77.53M	35.77	40.00	-4.23	Vertical

Mode 3



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	32.91M	35.62	40.00	-4.38	-8.02	3	Vertical	6	1.00	-	43.64	22.55	1.05	31.62
PK	55.22M	28.61	40.00	-11.39	-17.72	3	Vertical	240	1.00	-	46.33	12.85	1.31	31.88
PK	77.53M	35.77	40.00	-4.23	-17.80	3	Vertical	56	1.00	"Worst"	53.57	12.63	1.53	31.96
PK	87.23M	27.37	40.00	-12.63	-16.09	3	Vertical	39	1.00	-	43.46	14.24	1.60	31.93
PK	496.57M	32.42	46.00	-13.58	-5.06	3	Vertical	217	1.00	-	37.48	23.24	3.97	32.27
PK	864.2M	32.25	46.00	-13.75	-1.07	3	Vertical	294	1.50	-	33.32	26.03	5.48	32.58

Mode 3



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	32.91M	28.45	40.00	-11.55	-8.02	3	Horizontal	146	1.00	"Worst"	36.47	22.55	1.05	31.62
PK	68.8M	25.37	40.00	-14.63	-18.11	3	Horizontal	248	1.50	-	43.48	12.35	1.44	31.90
PK	133.79M	24.54	43.50	-18.96	-12.25	3	Horizontal	0	1.50	-	36.79	17.76	1.96	31.97
PK	503.36M	31.74	46.00	-14.26	-4.97	3	Horizontal	203	1.00	-	36.71	23.31	4.00	32.28
PK	906.88M	31.12	46.00	-14.88	-0.41	3	Horizontal	83	1.50	-	31.53	26.38	5.67	32.46
PK	947.62M	31.16	46.00	-14.84	-0.17	3	Horizontal	137	1.00	-	31.33	26.69	5.69	32.55

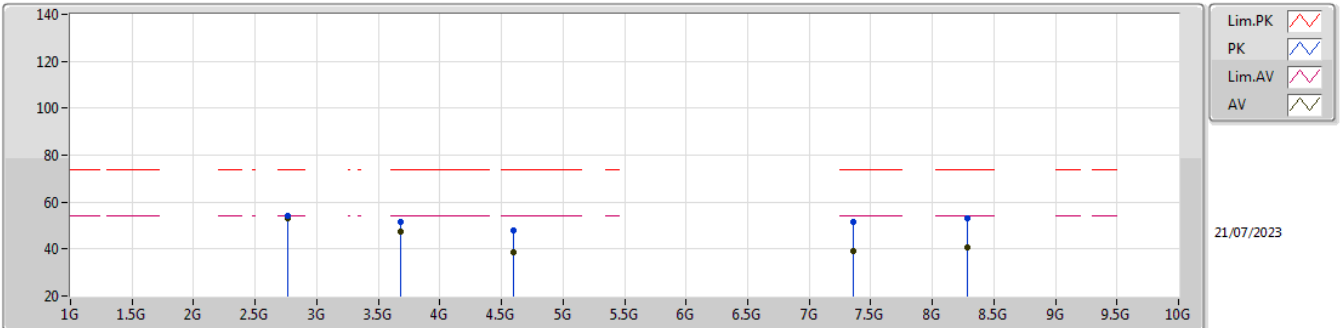


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
902-928MHz	-	-	-	-	-	-	-	-	-	-	-
Sub-G	Pass	AV	2.76G	53.10	54.00	-0.90	3	Vertical	354	1.08	-

902-928MHz_Sub-G

920MHz_TX

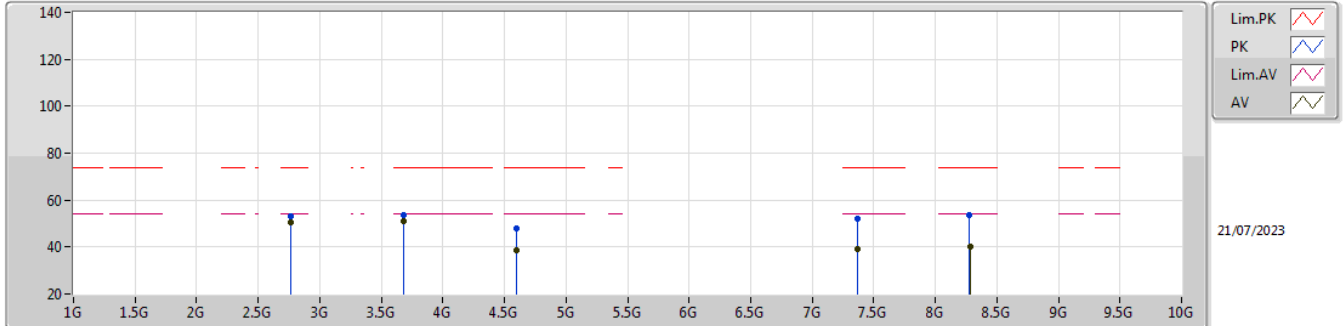


EUT_Y_1TX
Setting 165
05-M-G-4

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	2.76G	54.36	74.00	-19.64	57.83	3	Vertical	354	1.08	-	28.40	4.68	36.55
AV	2.76G	53.10	54.00	-0.90	56.57	3	Vertical	354	1.08	-	28.40	4.68	36.55
PK	3.68G	51.43	74.00	-22.57	52.42	3	Vertical	216	2.70	-	29.76	5.34	36.09
AV	3.68G	47.60	54.00	-6.40	48.59	3	Vertical	216	2.70	-	29.76	5.34	36.09
PK	4.6G	47.75	74.00	-26.25	45.81	3	Vertical	60	2.43	-	31.80	5.80	35.66
AV	4.6G	38.37	54.00	-15.63	36.43	3	Vertical	60	2.43	-	31.80	5.80	35.66
PK	7.35946G	51.71	74.00	-22.29	42.32	3	Vertical	14	1.84	-	36.68	7.40	34.69
AV	7.35946G	39.26	54.00	-14.74	29.87	3	Vertical	14	1.84	-	36.68	7.40	34.69
PK	8.28393G	52.88	74.00	-21.12	42.12	3	Vertical	343	1.80	-	37.10	7.90	34.24
AV	8.28393G	40.46	54.00	-13.54	29.70	3	Vertical	343	1.80	-	37.10	7.90	34.24

902-928MHz_Sub-G

920MHz_TX

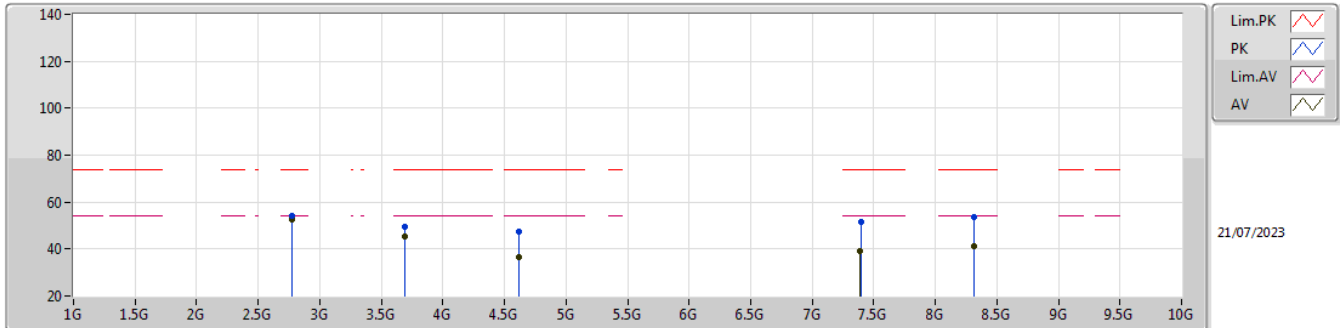


EUT_Y_1TX
Setting 165
05-M-G-4

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	2.7599G	53.13	74.00	-20.87	56.60	3	Horizontal	56	2.52	-	28.40	4.68	36.55
AV	2.7599G	50.63	54.00	-3.37	54.10	3	Horizontal	56	2.52	-	28.40	4.68	36.55
PK	3.6801G	53.74	74.00	-20.26	54.73	3	Horizontal	23	2.69	-	29.76	5.34	36.09
AV	3.6801G	51.29	54.00	-2.71	52.28	3	Horizontal	23	2.69	-	29.76	5.34	36.09
PK	4.5996G	47.80	74.00	-26.20	45.86	3	Horizontal	14	2.29	-	31.80	5.80	35.66
AV	4.6G	38.40	54.00	-15.60	36.46	3	Horizontal	14	2.29	-	31.80	5.80	35.66
PK	8.27826G	53.78	74.00	-20.22	43.02	3	Horizontal	201	1.80	-	37.10	7.90	34.24
AV	8.28056G	40.40	54.00	-13.60	29.64	3	Horizontal	201	1.80	-	37.10	7.90	34.24
PK	7.36397G	52.21	74.00	-21.79	42.82	3	Horizontal	286.4	1.80	-	36.67	7.40	34.68
AV	7.36397G	39.25	54.00	-14.75	29.86	3	Horizontal	286.4	1.80	-	36.67	7.40	34.68

902-928MHz_Sub-G

923.75MHz_TX

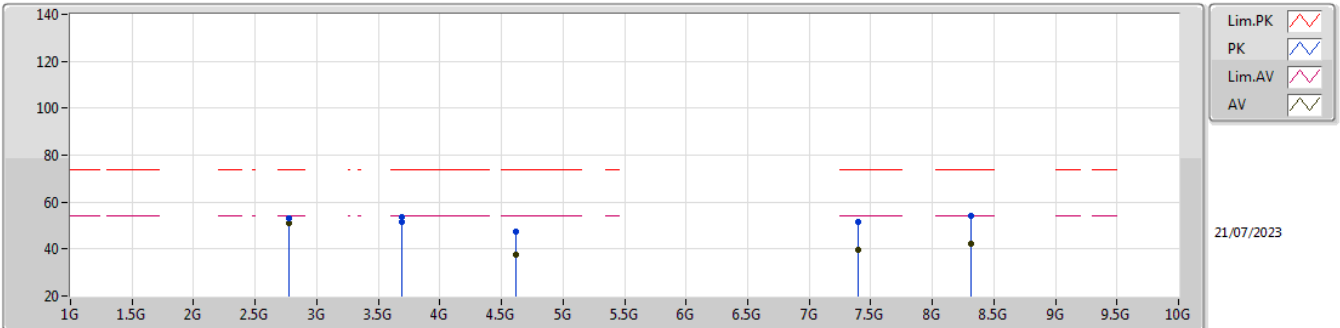


EUT_Y_1TX
Setting 155
05-M-G-4

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	2.77121G	54.10	74.00	-19.90	57.36	3	Vertical	353	1.07	-	28.60	4.69	36.55
AV	2.77121G	52.59	54.00	-1.41	55.85	3	Vertical	353	1.07	-	28.60	4.69	36.55
PK	3.69502G	49.27	74.00	-24.73	50.19	3	Vertical	217	2.80	-	29.79	5.35	36.06
AV	3.695G	45.42	54.00	-8.58	46.34	3	Vertical	217	2.80	-	29.79	5.35	36.06
PK	4.61893G	47.20	74.00	-26.80	45.21	3	Vertical	317	2.75	-	31.84	5.81	35.66
AV	4.61873G	36.63	54.00	-17.37	34.64	3	Vertical	317	2.75	-	31.84	5.81	35.66
PK	7.39293G	51.46	74.00	-22.54	42.07	3	Vertical	338	1.80	-	36.61	7.40	34.62
AV	7.39028G	39.06	54.00	-14.94	29.67	3	Vertical	338	1.80	-	36.62	7.40	34.63
PK	8.31541G	53.55	74.00	-20.45	42.76	3	Vertical	312	1.80	-	37.10	7.90	34.21
AV	8.31125G	41.06	54.00	-12.94	30.27	3	Vertical	312	1.80	-	37.10	7.90	34.21

902-928MHz_Sub-G

923.75MHz_TX

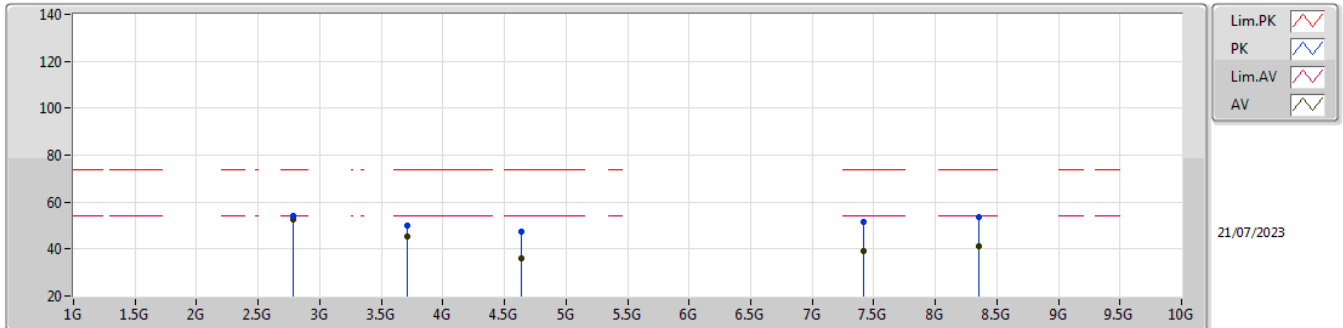


EUT_Y_1TX
 Setting 155
 05-M-G-4

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	2.77119G	52.90	74.00	-21.10	56.16	3	Horizontal	244	2.48	-	28.60	4.69	36.55
AV	2.77125G	50.86	54.00	-3.14	54.12	3	Horizontal	244	2.48	-	28.60	4.69	36.55
PK	3.69488G	53.39	74.00	-20.61	54.31	3	Horizontal	331	2.06	-	29.79	5.35	36.06
PK	3.69502G	51.44	74.00	-22.56	52.36	3	Horizontal	331	2.06	-	29.79	5.35	36.06
PK	4.61897G	47.23	74.00	-26.77	45.24	3	Horizontal	356	1.00	-	31.84	5.81	35.66
AV	4.61875G	37.35	54.00	-16.65	35.36	3	Horizontal	356	1.00	-	31.84	5.81	35.66
PK	7.39417G	51.67	74.00	-22.33	42.28	3	Horizontal	23	1.80	-	36.61	7.40	34.62
AV	7.39503G	39.65	54.00	-14.35	30.26	3	Horizontal	23	1.80	-	36.61	7.40	34.62
PK	8.31674G	54.30	74.00	-19.70	43.51	3	Horizontal	57	1.80	-	37.10	7.90	34.21
AV	8.31371G	42.08	54.00	-11.92	31.29	3	Horizontal	57	1.80	-	37.10	7.90	34.21

902-928MHz_Sub-G

927.35MHz_TX

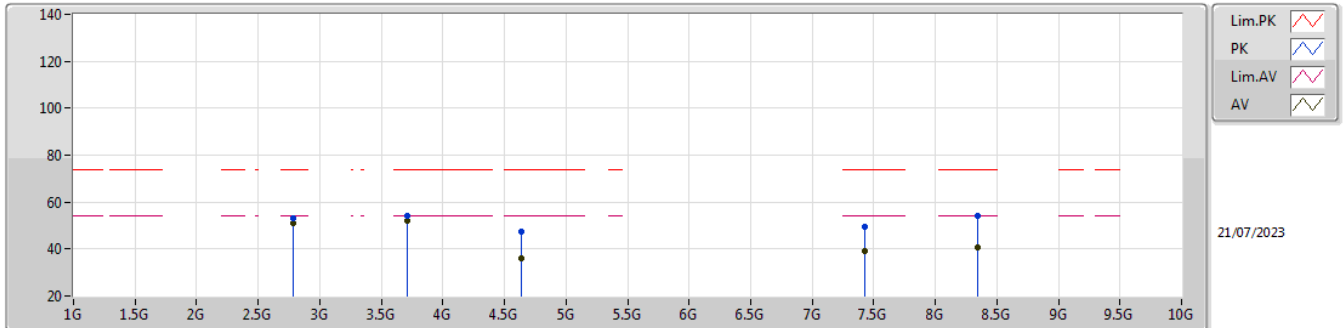


EUT_Y_1TX
Setting 150
05-M-G-4

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	2.78195G	54.04	74.00	-19.96	57.29	3	Vertical	349	2.31	-	28.60	4.69	36.54
AV	2.78205G	52.67	54.00	-1.33	55.92	3	Vertical	349	2.31	-	28.60	4.69	36.54
PK	3.70924G	49.87	74.00	-24.13	50.71	3	Vertical	212	2.51	-	29.86	5.35	36.05
AV	3.70938G	45.58	54.00	-8.42	46.42	3	Vertical	212	2.51	-	29.86	5.35	36.05
PK	4.63681G	47.17	74.00	-26.83	45.13	3	Vertical	336	2.94	-	31.87	5.82	35.65
AV	4.63665G	35.86	54.00	-18.14	33.82	3	Vertical	336	2.94	-	31.87	5.82	35.65
PK	7.42066G	51.67	74.00	-22.33	42.26	3	Vertical	18	1.80	-	36.56	7.42	34.57
AV	7.41894G	39.21	54.00	-14.79	29.81	3	Vertical	18	1.80	-	36.56	7.42	34.58
PK	8.34946G	53.56	74.00	-20.44	42.74	3	Vertical	358	2.58	-	37.10	7.90	34.18
AV	8.34974G	41.24	54.00	-12.76	30.42	3	Vertical	358	2.58	-	37.10	7.90	34.18

902-928MHz_Sub-G

927.35MHz_TX



EUT_Y_1TX
Setting 150
05-M-G-4

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	2.78207G	53.19	74.00	-20.81	56.44	3	Horizontal	244	2.49	-	28.60	4.69	36.54
AV	2.78203G	51.16	54.00	-2.84	54.41	3	Horizontal	244	2.49	-	28.60	4.69	36.54
PK	3.7093G	54.31	74.00	-19.69	55.15	3	Horizontal	312	2.19	-	29.86	5.35	36.05
AV	3.7093G	51.86	54.00	-2.14	52.70	3	Horizontal	312	2.19	-	29.86	5.35	36.05
PK	4.63705G	47.17	74.00	-26.83	45.13	3	Horizontal	334	1.18	-	31.87	5.82	35.65
AV	4.63663G	35.98	54.00	-18.02	33.94	3	Horizontal	334	1.18	-	31.87	5.82	35.65
PK	7.42345G	49.28	74.00	-24.72	39.88	3	Horizontal	3	1.76	-	36.55	7.42	34.57
AV	7.42345G	39.29	54.00	-14.71	29.89	3	Horizontal	3	1.76	-	36.55	7.42	34.57
PK	8.34505G	54.03	74.00	-19.97	43.22	3	Horizontal	211	1.80	-	37.10	7.90	34.19
AV	8.34505G	40.89	54.00	-13.11	30.08	3	Horizontal	211	1.80	-	37.10	7.90	34.19