



# FCC Test Report

FCC ID	:	SUFTRKRF08
Equipment	:	2.4G RF MODULE_BL08
Model No.	:	TRK-RF-08
Brand Name	:	DIGI
Applicant	:	DIGI SINGAPORE PTE LTD
Address	:	4 Leng Kee Rd, #05-03/04/05&11, SIS Building, Singapore 159088
Standard	:	47 CFR FCC Part 15.247
<b>Received Date</b>	:	Oct. 11, 2024
Tested Date	:	Nov. 22 ~ Dec. 05, 2024

We, International Certification Corporation, would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. The test results contained in this report refer exclusively to the product. It shall not be reproduced except in full without the written approval of our laboratory.

Reviewed by:

Approved by:

ong Chem

Along Cherk/ Assistant Manager

Gary Chang / Manager



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# **Release Record**

Report No.	Version	Description	Issued Date
FR4O1101	Rev. 01	Initial issue	Dec. 11, 2024
FR4O1101	Rev. 02	Corrected data rate to 2Mbps	Jan. 09, 2025



# **Summary of Test Results**

FCC Rules	Test Items	Measured	Result
15.207	AC Power Line Conducted Emission	[dBuV]: 0.417MHz 36.39 (Margin -11.12dB) - AV	Pass
15.247(d)	Unwanted Emissions	[dBuV/m at 3m]: 2.4835GHz	Pass
15.209		53.82 (Margin -0.18dB) - AV	
15.247(b)(3)	Conducted Output Power	Max Power [dBm]: 9.74	Pass
15.247(a)(2)	6dB Bandwidth	Meet the requirement of limit	Pass
15.247(e)	Power Spectral Density	Meet the requirement of limit	Pass
15.203	Antenna Requirement	Meet the requirement of limit	Pass

#### **Declaration of Conformity:**

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

#### **Comments and Explanations:**

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



# **1** General Description

# 1.1 Information

### **1.1.1** Specification of the Equipment under Test (EUT)

RF General Information				
Frequency Range (MHz) Modulation Ch. Freq. (MHz) Channel Number Data Rate				
2402-2478	GFSK	2402-2478	0-76 [77]	2Mbps

### 1.1.2 Antenna Details

Brand	Model	Туре	Connector	Gain (dBi)
GA	GA123416BL02	Chip	NA	2.28
GA	GA-E24110-RPW	Wire	RP-SMA Male	2.42
GA	GADGBWF-V01	Wire	RP-SMA Male	2.41

### 1.1.3 Configuration of Equipment under Test (EUT)

Power Supply Type DC 5V
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### 1.1.4 Accessories

N/A



# 1.1.5 Channel List

Frequency band (MHz)					2400~2	2483.5	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	20	2422	40	2442	60	2462
1	2403	21	2423	41	2443	61	2463
2	2404	22	2424	42	2444	62	2464
3	2405	23	2425	43	2445	63	2465
4	2406	24	2426	44	2446	64	2466
5	2407	25	2427	45	2447	65	2467
6	2408	26	2428	46	2448	66	2468
7	2409	27	2429	47	2449	67	2469
8	2410	28	2430	48	2450	68	2470
9	2411	29	2431	49	2451	69	2471
10	2412	30	2432	50	2452	70	2472
11	2413	31	2433	51	2453	71	2473
12	2414	32	2434	52	2454	72	2474
13	2415	33	2435	53	2455	73	2475
14	2416	34	2436	54	2456	74	2476
15	2417	35	2437	55	2457	75	2477
16	2418	36	2438	56	2458	76	2478
17	2419	37	2439	57	2459		
18	2420	38	2440	58	2460		
19	2421	39	2441	59	2461		

# 1.1.6 Test Tool and Duty Cycle

Test Tool	Terminal, V1.9b 20130820	
Duty Cycle and Duty Faster	Duty Cycle (%)	Duty Factor (dB)
Duty Cycle and Duty Factor	14.40	8.42

### 1.1.7 Power Index of Test Tool

Modulation Mode	Test Frequency (MHz)			
	2402	2440	2478	
GFSK	neg16dbm	neg16dbm	neg16dbm	



# 1.2 Local Support Equipment List

		Sı	upport Equipment	List	
No.	Equipment	Brand	Model	FCC ID	Remarks
1	Laptop	DELL	Latitude 5440	DoC	

# 1.3 Test Setup Chart

	Test Setup Diagram
	Laptop 1 EUT
No.	Signal cable / Length (m)
1	USB, 2m shielded.



# 1.3.1 The Equipment List

Test Item	Conducted Emission				
Test Site	Conduction room 1 / (	CO01-WS)			
Tested Date	Dec. 04, 2024				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Receiver	R&S	ESR3	101658	Feb. 23, 2024	Feb. 22, 2025
LISN	R&S	ENV216	101579	May 09, 2024	May 08, 2025
LISN (Support Unit)	SCHWARZBECK	Schwarzbeck 8127	8127667	Jan. 10, 2024	Jan. 09, 2025
RF Cable-CON	Woken	CFD200-NL	CFD200-NL-001	Oct. 07, 2024	Oct. 08, 2025
50 ohm terminal	NA	50	03	Aug. 07, 2024	Aug. 06, 2025
Measurement Software	AUDIX	e3	6.120210k	NA	NA

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

Test Item	Radiated Emission				
Test Site	966 chamber1 / (03C	H01-WS)			
Tested Date	Nov. 22 ~ Dec. 03, 20	)24			
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Receiver	R&S	ESR3	101657	Mar. 05, 2024	Mar. 04, 2025
Spectrum Analyzer	R&S	FSV40	101498	Nov. 12, 2024	Nov. 11, 2025
Loop Antenna	R&S	HFH2-Z2	100330	Nov. 05, 2024	Nov. 04, 2025
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-522	Aug. 09, 2024	Aug. 08, 2025
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1095	Aug. 28, 2024	Aug. 27, 2025
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Nov. 18, 2024	Nov. 17, 2025
Preamplifier	EMC	EMC02325	980225	Jun. 17, 2024	Jun. 16, 2025
Preamplifier	EMC	EMC118A45SE	980898	Jul. 05, 2024	Jul. 04, 2025
Preamplifier	EMC	EMC184045SE	980903	Jul. 30, 2024	Jul. 29, 2025
Loop Antenna Cable	KOAX KABEL	101354-BW	101354-BW	Oct. 02, 2024	Oct. 01, 2025
LF cable 3M	Woken	CFD400NL-LW	CFD400NL-001	Oct. 02, 2024	Oct. 01, 2025
LF cable 11M	EMC	EMCCFD400-NW-N W-11000	200801	Oct. 02, 2024	Oct. 01, 2025
LF cable 1M	EMC	EMCCFD400-NM-N M-1000	160502	Oct. 02, 2024	Oct. 01, 2025
RF Cable	EMC	EMC104-35M-35M- 8000	210920	Oct. 02, 2024	Oct. 01, 2025
RF Cable	EMC	EMC104-35M-35M- 3000	210922	Oct. 02, 2024	Oct. 01, 2025
Attenuator	Pasternack	PE7005-10	10-1	Oct. 02, 2024	Oct. 01, 2025
HIGHPASS FILTER 3.1-18G	WHK	WHK3.1/18G-10SS	39	Oct. 02, 2024	Oct. 01, 2025
Measurement Software	Sporton	SENSE-15247_FS	V5.11	NA	NA
Measurement Software	Sporton	SENSE-EMI	V5.11	NA	NA



Test Item	RF Conducted				
Test Site	(TH01-WS)				
Tested Date	Dec. 05, 2024				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Spectrum Analyzer	R&S	FSV40	101910	Apr. 18, 2024	Apr. 17, 2025
Power Meter	Anritsu	ML2495A	1241001	Jan. 05, 2024	Jan. 04, 2025
Power Sensor	Anritsu	MA2411B	1911228	Jan. 05, 2024	Jan. 04, 2025
Attenuator	Pasternack	PE7005-10	10-2	Oct. 04, 2024	Oct. 03, 2025
Measurement Software	Sporton	SENSE-15247_FS	V5.11	NA	NA

# 1.4 Test Standards

47 CFR FCC Part 15.247 ANSI C63.10-2013

### 1.5 Reference Guidance

FCC KDB 558074 D01 15.247 Meas Guidance v05r02

### 1.6 Deviation from Test Standard and Measurement Procedure

None

### **1.7 Measurement Uncertainty**

The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)).

Measurement Uncertainty	
Parameters	Uncertainty
Bandwidth	±34.130 Hz
Conducted power	±0.808 dB
Power density	±0.583 dB
Conducted emission	±2.715 dB
AC conducted emission	±2.92 dB
Unwanted Emission ≤ 1GHz	±3.41 dB
Unwanted Emission > 1GHz	±4.59 dB



# 2 Test Configuration

# 2.1 Testing Facility

Test Laboratory	International Certification Corporation
Test Site	CO01-WS, 03CH01-WS, TH01-WS
Address of Test Site	No.3-1, Lane 6, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.)

FCC Designation No.: TW2732

➢ FCC site registration No.: 181692

> ISED#: 10807A

➢ CAB identifier: TW2732

# 2.2 The Worst Test Modes and Channel Details

Test item	Modulation Mode	Test Frequency (MHz)	Data Rate	Test Configuration
AC Power Line Conducted Emission	GFSK	2478	2Mbps	1, 2
Unwanted Emissions ≤ 1GHz Unwanted Emissions >1GHz	GFSK	2478	2Mbps	1, 2
Conducted Output Power 6dB bandwidth Power spectral density	GFSK	2402, 2440, 2478	2Mbps	1

NOTE:

 The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The **Z-plane** results were found as the worst case and were shown in this report.

2. 2 types antenna are used for this device, each type is selected to perform radiated and conducted emission test as below test configuration.

1) Test Configuration 1: Antenna model GA-E24110-RPW

2) Test Configuration 2: Antenna model GA123416BL02



# **3** Transmitter Test Results

# 3.1 6dB and Occupied Bandwidth

### 3.1.1 Limit of 6dB Bandwidth

The minimum 6dB bandwidth shall be at least 500 kHz.

### 3.1.2 Test Procedures

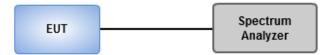
#### 6dB Bandwidth

- 1. Set resolution bandwidth (RBW) = 100 kHz, Video bandwidth = 300 kHz.
- 2. Detector = Peak, Trace mode = max hold.
- 3. Sweep = auto couple, Allow the trace to stabilize.
- 4. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower) that are attenuated by 6dB relative to the maximum level measured in the fundamental emission.

#### **Occupied Bandwidth**

- 1. Set resolution bandwidth (RBW) =  $1\% \sim 5\%$  of OBW, Video bandwidth =  $3 \times RBW$
- 2. Detector = Sample, Trace mode = max hold.
- 3 Sweep = auto couple, Allow the trace to stabilize.
- 4. Use the OBW measurement function of spectrum analyzer to measure the occupied bandwidth.

### 3.1.3 Test Setup



#### 3.1.4 Test Results

Ambient Condition24°C / 62%Tested BySean Yu
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Refer to Appendix A.



# 3.2 Conducted Output Power

### 3.2.1 Limit of Conducted Output Power

Conducted power shall not exceed 1Watt.

Antenna gain <= 6dBi, no any corresponding reduction is in output power limit.

Antenna gain > 6dBi

Non Fixed, point to point operations.

The conducted output power from the intentional radiator shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dB

Fixed, point to point operations

Systems operating in the 2400–2483.5 MHz band that are used exclusively for fixed, point-to-point Operations, maximum peak output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

### 3.2.2 Test Procedures

A broadband RF power meter is used for output power measurement. The video bandwidth of power meter is greater than DTS bandwidth of EUT. If duty cycle of test signal is not 100 %, trigger and gating function of power meter will be enabled to capture transmission burst for measuring output power.

### 3.2.3 Test Setup



### 3.2.4 Test Results

Ambient Condition24°C / 62%Tested BySean Yu
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Refer to Appendix B.



## 3.3 Power Spectral Density

### 3.3.1 Limit of Power Spectral Density

Power spectral density shall not be greater than 8 dBm in any 3 kHz band.

### 3.3.2 Test Procedures

#### Peak PSD

- 1. Set the RBW = 3 kHz, VBW = 10 kHz.
- 2. Detector = Peak, Sweep time = auto couple.
- 3. Trace mode = max hold, allow trace to fully stabilize.
- 4. Use the peak marker function to determine the maximum amplitude level.

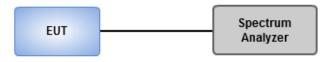
#### Average PSD, duty cycle ≥ 98%

- 1. Set the RBW = 3 kHz, VBW = 10 kHz.
- 2. Detector = RMS, Sweep time = auto couple.
- 3. Sweep time = auto couple.
- 4. Employ trace averaging (RMS) mode over a minimum of 100 traces.
- 5. Use the peak marker function to determine the maximum amplitude level.

#### Average PSD, duty cycle < 98%

- 1 Set the RBW = 3 kHz, VBW = 10 kHz
- 2 Detector = RMS, Sweep time = auto couple.
- 3 Sweep time = auto couple.
- 4 Employ trace averaging (RMS) mode over a minimum of 100 traces.
- 5 Use the peak marker function to determine the maximum amplitude level.
- 6 Add 10 log (1/x), where x is the duty cycle.

### 3.3.3 Test Setup



#### 3.3.4 Test Results

	Ambient Condition	24°C / 62%	Tested By	Sean Yu
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Refer to Appendix C.



# 3.4 Unwanted Emissions into Restricted Frequency Bands

#### 3.4.1 Limit of Unwanted Emissions into Restricted Frequency Bands

	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:

Qusai-Peak value is measured for frequency below 1GHz except for 9–90 kHz, 110–490 kHz frequency band. Peak and average value are measured for frequency above 1GHz. The limit on average radio frequency emission is as above table. The limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit **Note 2:** 

Measurements may be performed at a distance other than what is specified provided. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor as below, Frequency at or above 30 MHz: 20 dB/decade Frequency below 30 MHz: 40 dB/decade.

#### 3.4.2 Test Procedures

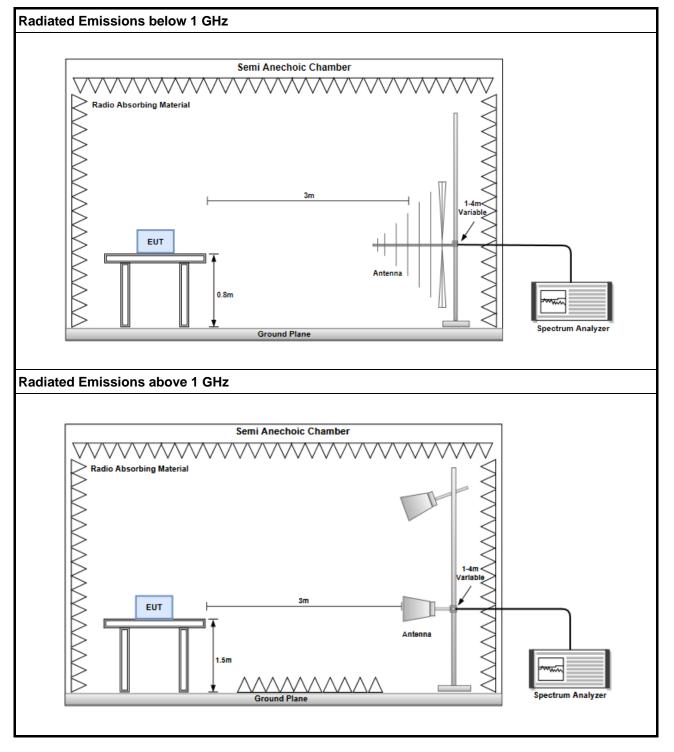
- Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission frequency. The EUT is placed at test table. For emissions testing at or below 1 GHz, the table height is 80 cm above the reference ground plane. For emission measurements above 1 GHz, the table height is 1.5 m
- Measurement is made with the antenna positioned in both the horizontal and vertical planes of polarization. The measurement antenna is varied in height (1m ~ 4m) above the reference ground plane to obtain the maximum signal strength. Distance between EUT and antenna is 3 m.
- 3. This investigation is performed with the EUT rotated 360°, the antenna height scanned between 1 m and 4 m, and the antenna rotated to repeat the measurements for both the horizontal and vertical antenna polarizations.

Note:

- 1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
- 2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
- 3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above 1GHz.



### 3.4.3 Test Setup



### 3.4.4 Test Results

	Ambient Condition	24-25°C / 62-63%	Tested By	Allen Lee
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Refer to Appendix D.



# 3.5 Emissions in Non-Restricted Frequency Bands

### 3.5.1 Emissions in Non-Restricted Frequency Bands Limit

Peak power in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz.

#### 3.5.2 Test Procedures

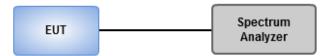
#### **Reference level measurement**

- 1. Set RBW=100kHz, VBW = 300kHz , Detector = Peak, Sweep time = Auto
- 2. Trace = max hold , Allow Trace to fully stabilize
- 3. Use the peak marker function to determine the maximum PSD level

#### **Emission level measurement**

- 1. Set RBW=100kHz, VBW = 300kHz , Detector = Peak, Sweep time = Auto
- 2. Trace = max hold , Allow Trace to fully stabilize
- 3. Scan Frequency range is up to 25GHz
- 4. Use the peak marker function to determine the maximum amplitude level

### 3.5.3 Test Setup



#### 3.5.4 Test Results

Ambient Condition24°C / 62%Tested BySean Yu
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Refer to Appendix E.



#### **AC Power Line Conducted Emissions** 3.6

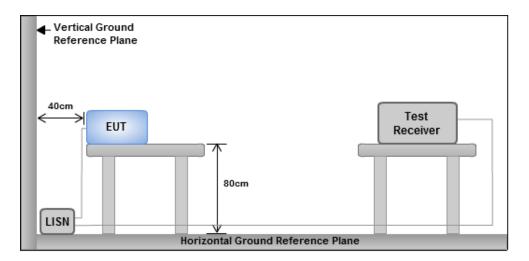
#### 3.6.1 Limit of AC Power Line Conducted Emissions

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.								

#### 3.6.2 Test Procedures

- 1. The device is placed on a test table, raised 80 cm above the reference ground plane. The vertical conducting plane is located 40 cm to the rear of the device.
- 2. The device is connected to line impedance stabilization network (LISN) and other accessories are connected to other LISN. Measured levels of AC power line conducted emission are across the 50  $\Omega$ LISN port.
- 3. AC conducted emission measurements is made over frequency range from 150 kHz to 30 MHz.
- 4. This measurement was performed with AC 120V / 60Hz.

#### 3.6.3 Test Setup



Note: 1. Support units were connected to second LISN.

2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes

### 3.6.4 Test Results

Refer to Appendix F.



# 4 Test laboratory information

Established in 2012, ICC provides foremost EMC & RF Testing and advisory consultation services by our skilled engineers and technicians. Our services employ a wide variety of advanced edge test equipment and one of the widest certification extents in the business.

International Certification Corporation (EMC and Wireless Communication Laboratory), it is our definitive objective is to institute long term, trust-based associations with our clients. The expectation we set up with our clients is based on outstanding service, practical expertise and devotion to a certified value structure. Our passion is to grant our clients with best EMC / RF services by oriented knowledgeable and accommodating staff.

Our Test sites are located at Linkou District and Kwei Shan District. Location map can be found on our website <u>http://www.icertifi.com.tw</u>.

#### Linkou

Tel: 886-2-2601-1640 No.30-2, Ding Fwu Tsuen, Lin Kou District, New Taipei City, Taiwan (R.O.C.)

#### Kwei Shan

Tel: 886-3-271-8666 No.3-1, Lane 6, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.) No.2-1, Lane 6, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.)

#### Kwei Shan Site II

Tel: 886-3-271-8640 No.14-1, Lane 19, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.)

If you have any suggestion, please feel free to contact us as below information.

Tel: 886-3-271-8666 Fax: 886-3-318-0345 Email: ICC\_Service@icertifi.com.tw

—END—



Mode	Max-N dB	Max-OBW	ITU-Code	Min-N dB	Min-OBW
	(Hz)	(Hz)		(Hz)	(Hz)
2.4-2.4835GHz	-	-	-	-	-
GFSK	922.5k	2.364M	2M36F1D	832.5k	2.319M

Max-N dB = Maximum 6dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth; Min-N dB = Minimum 6dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth

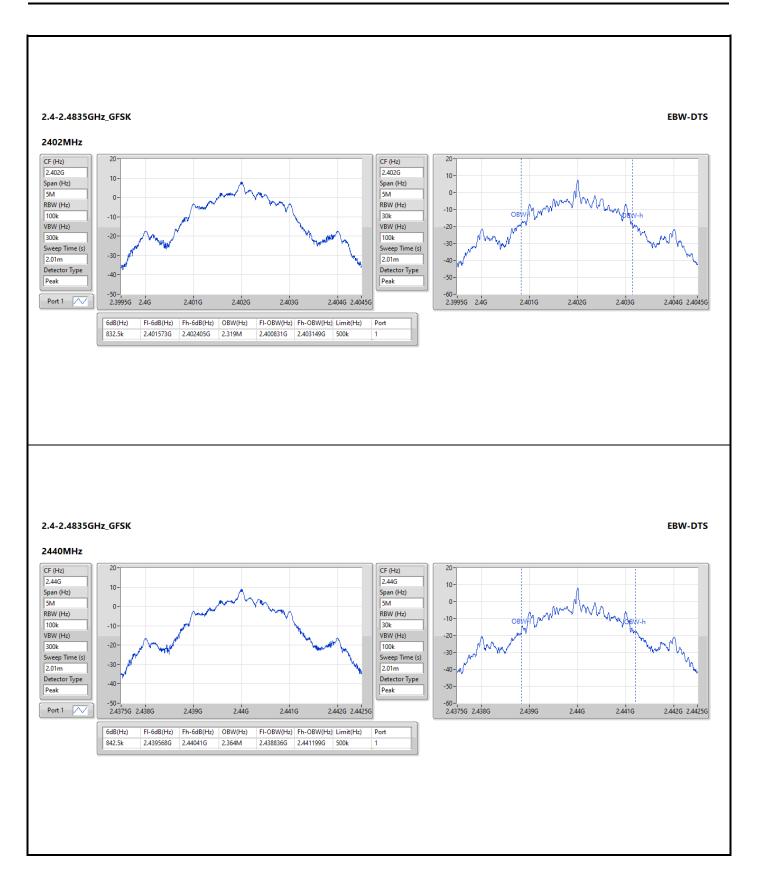
#### Result

Mode	Result	Limit	Port 1-N dB	Port 1-OBW
		(Hz)	(Hz)	(Hz)
GFSK	-	-	-	-
2402MHz	Pass	500k	832.5k	2.319M
2440MHz	Pass	500k	842.5k	2.364M
2478MHz	Pass	500k	922.5k	2.359M

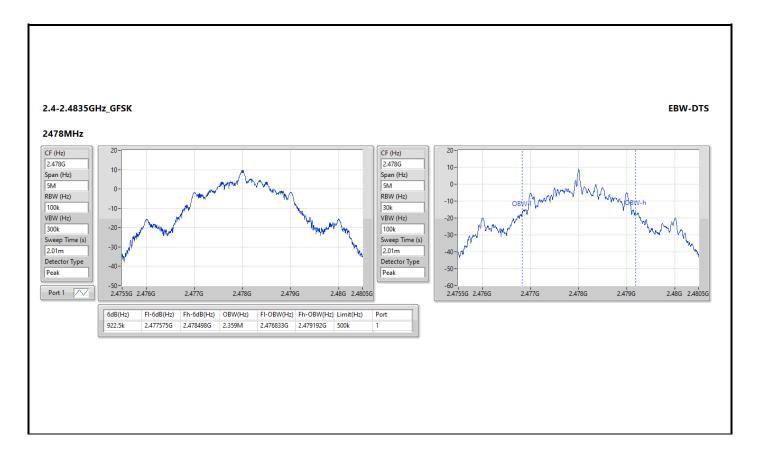
Port X-N dB = Port X 6dB down bandwidth;

Port X-OBW = Port X 99% occupied bandwidth











Mode	Total Power (dBm)	Total Power (W)		
2.4-2.4835GHz	-	-		
GFSK	9.74	0.00942		

#### Result

Mode	Result	Antenna Gain	Total Power	Power Limit	EIRP	EIRP Limit
		(dBi)	(dBm)	(dBm)	(dBm)	(dBm)
GFSK	-	-	-	-	-	-
2402MHz	Pass	2.42	8.49	30.00	10.91	36.00
2440MHz	Pass	2.42	9.17	30.00	11.59	36.00
2478MHz	Pass	2.42	9.74	30.00	12.16	36.00



Mode	Total Power (dBm)	Total Power (W)		
2.4-2.4835GHz	-	-		
GFSK	9.47	0.00885		

#### Result

Mode	Result	Antenna Gain (dBi)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
GFSK	-	-	-	-	-	-
2402MHz	Pass	2.42	8.22	-	10.64	-
2440MHz	Pass	2.42	8.92	-	11.34	-
2478MHz	Pass	2.42	9.47	-	11.89	-

Note: Average power is for reference only.

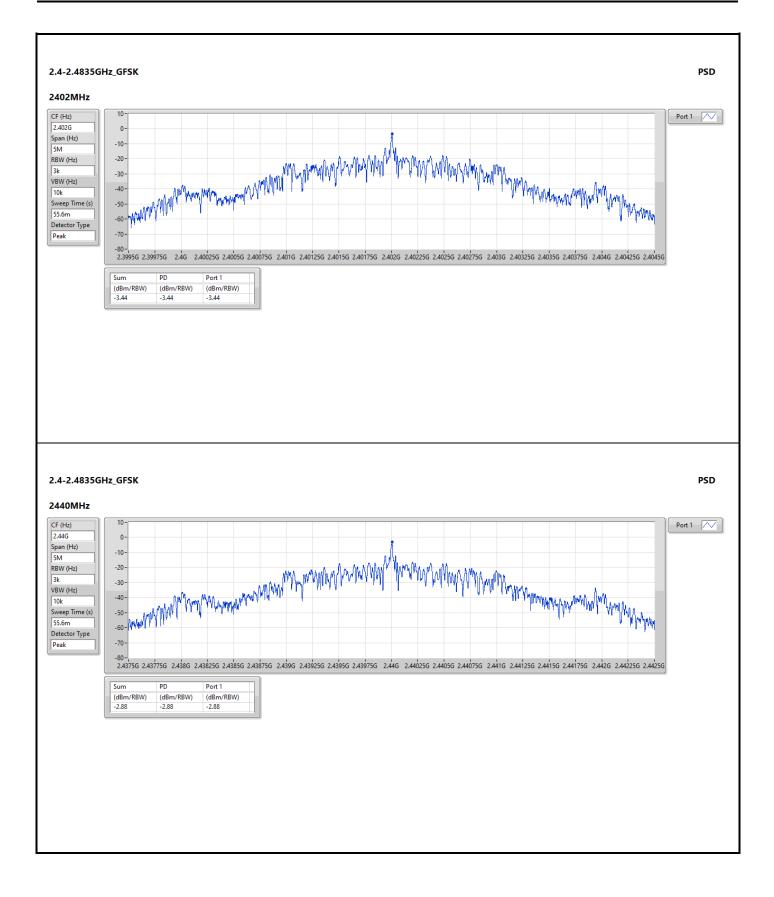


Mode	PD
	(dBm/3kHz)
2.4-2.4835GHz	-
GFSK	-2.12

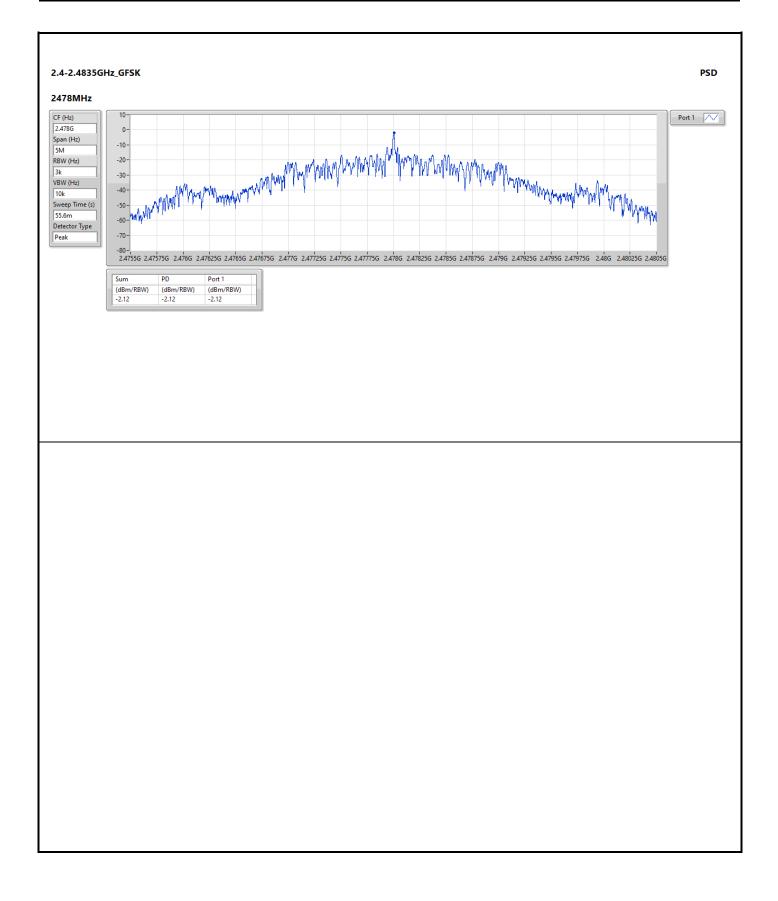
#### Result

Mode	Result	Antenna Gain (dBi)		
GFSK	-	-	-	-
2402MHz	Pass	2.42	-3.44	8.00
2440MHz	Pass	2.42	-2.88	8.00
2478MHz	Pass	2.42	-2.12	8.00







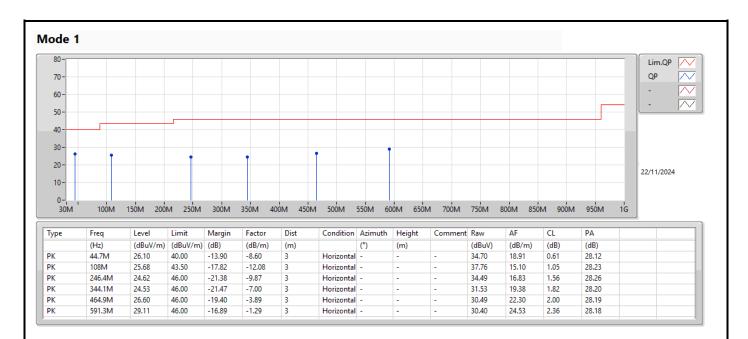




# Test Configuration 1: Antenna model GA-E24110-RPW

Summary										
Mode	Result	Туре	Freq	Level	Limit	Margin	Condition			
			(Hz)	(dBuV/m)	(dBuV/m)	(dB)				
Mode 1	Pass	PK	44.7M	30.60	40.00	-9.40	Vertical			







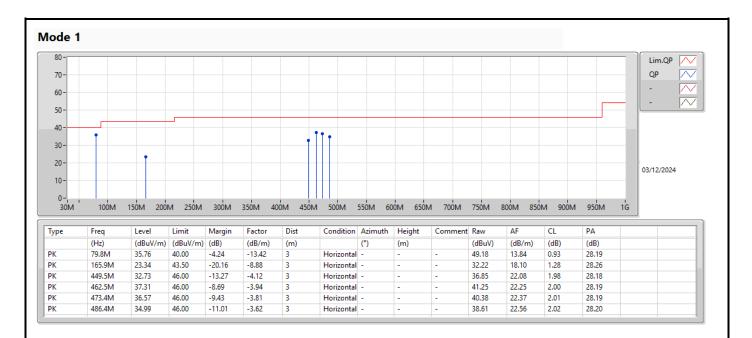




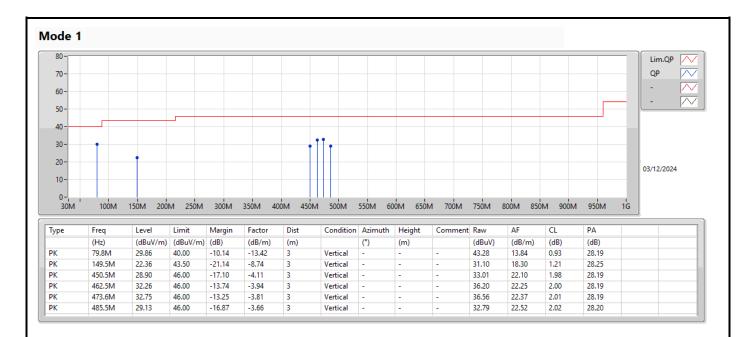
# Test Configuration 2: Antenna model GA123416BL02

Summary										
Mode	Result	Туре	Freq	Level	Limit	Margin	Condition			
			(Hz)	(dBuV/m)	(dBuV/m)	(dB)				
Mode 1	Pass	PK	79.8M	35.76	40.00	-4.24	Horizontal			











# Test Configuration 1: Antenna model GA-E24110-RPW

Summary											
Mode	Result	Туре	Freq	Level	Limit	Margin	Dist	Condition	Azimuth	Height	Comments
			(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(m)		(°)	(m)	
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
GFSK	Pass	AV	2.4835G	53.58	54.00	-0.42	3	Vertical	349	2.26	-

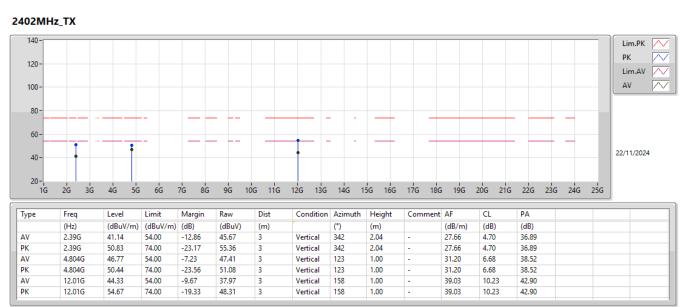


#### 2.4-2.4835GHz\_GFSK





#### 2.4-2.4835GHz\_GFSK





#### 2.4-2.4835GHz\_GFSK



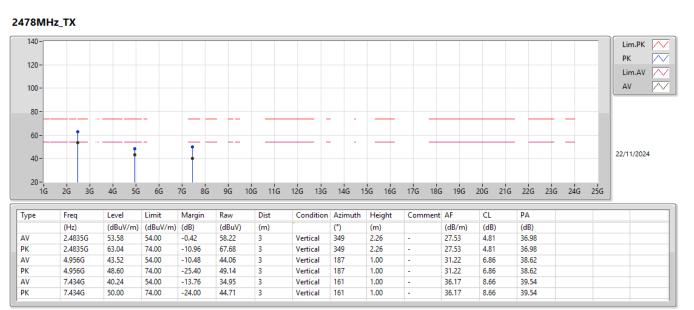










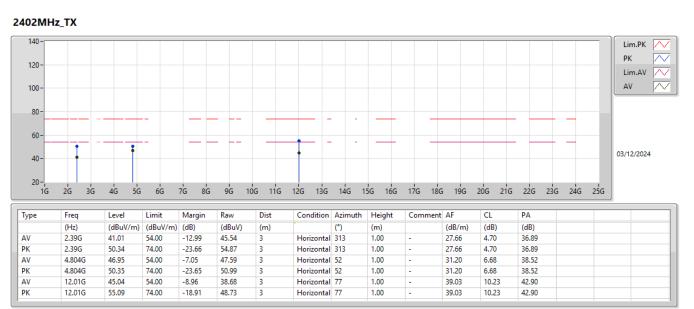




Summary
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Mode	Result	Туре	Freq	Level	Limit	Margin	Dist	Condition	Azimuth	Height	Comments
			(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(m)		(°)	(m)	
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
GFSK	Pass	AV	2.4835G	53.82	54.00	-0.18	3	Horizontal	312	1.36	-

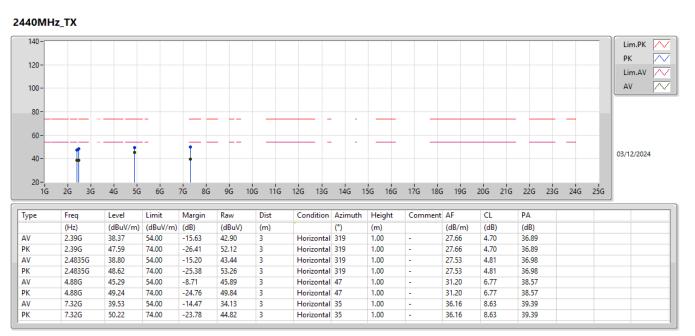




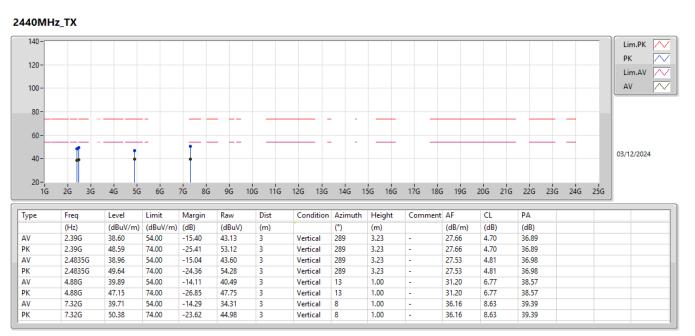












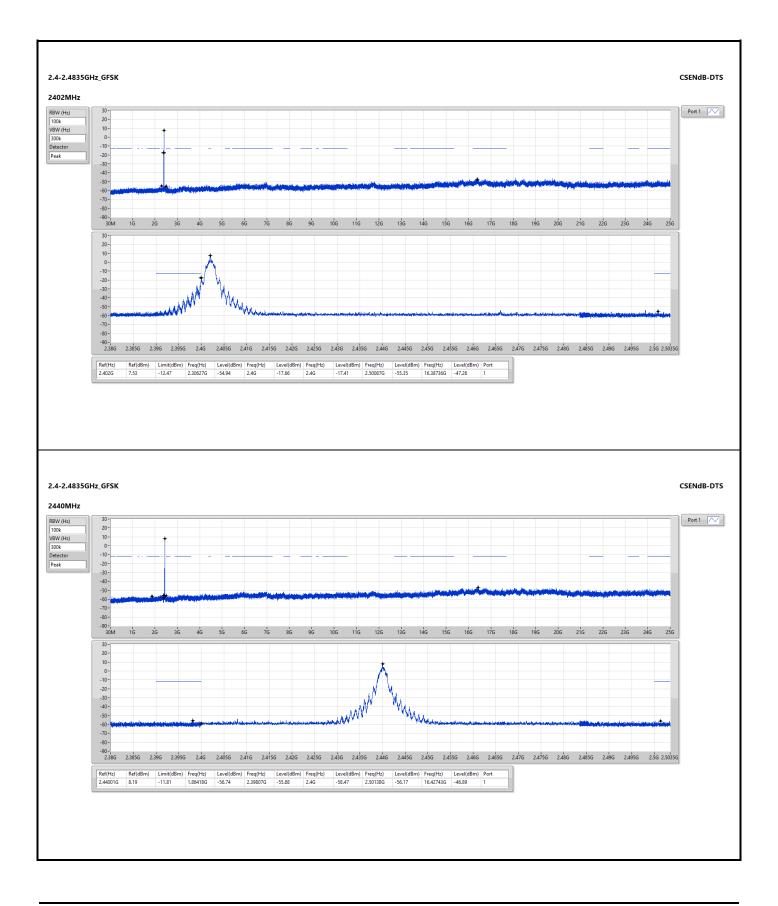




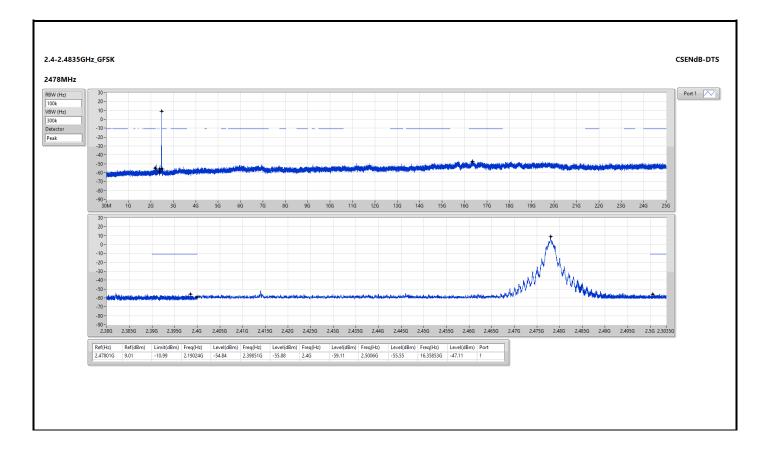






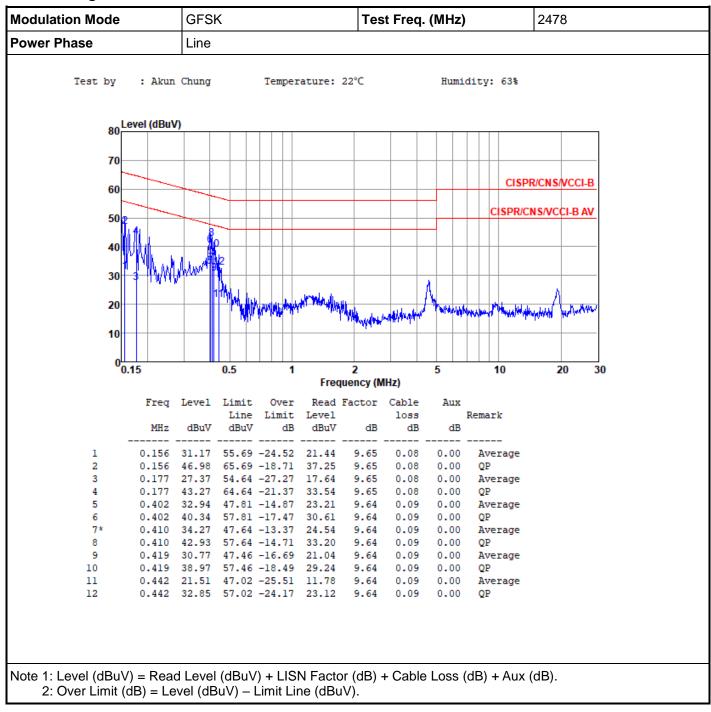




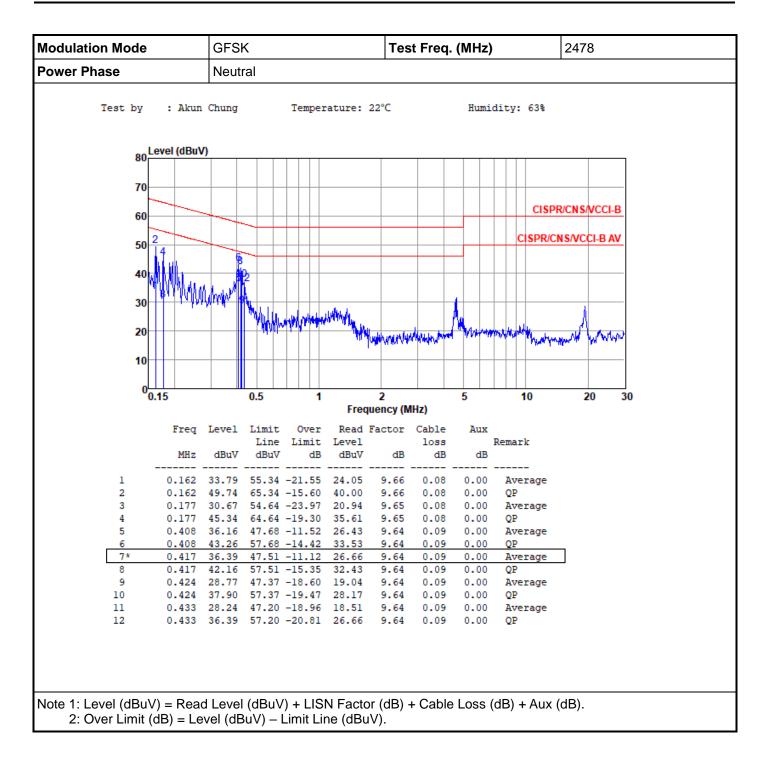




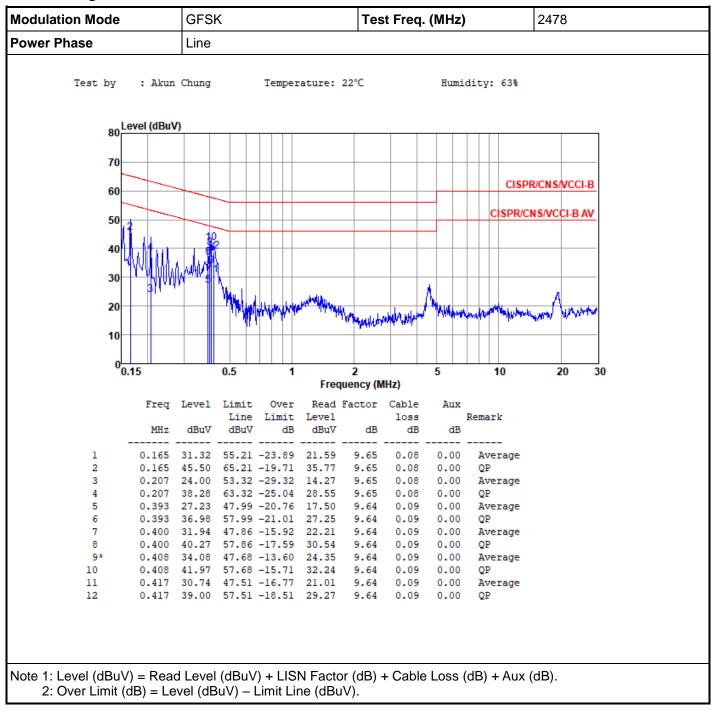
## Test Configuration 1: Antenna model GA-E24110-RPW



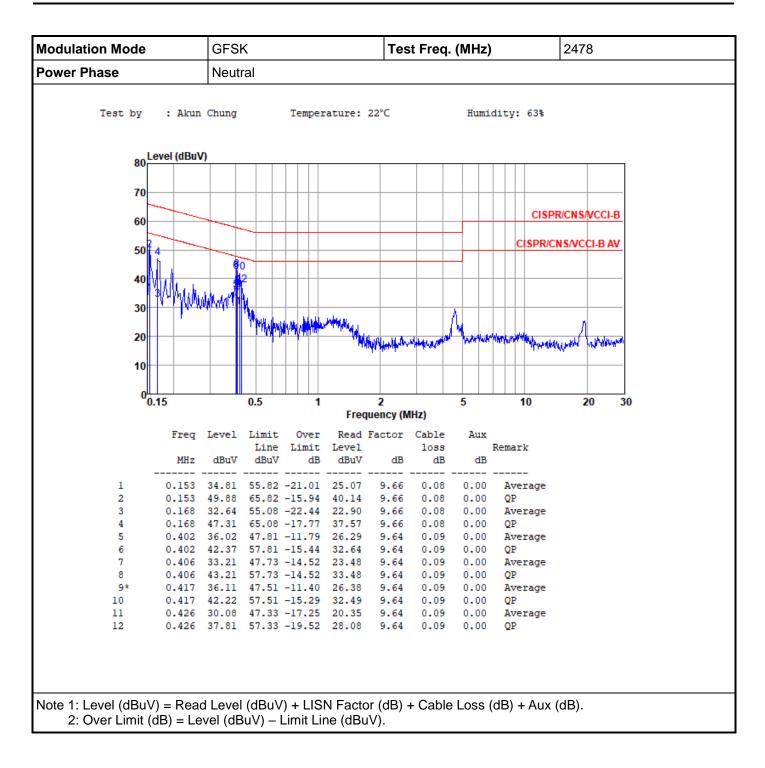










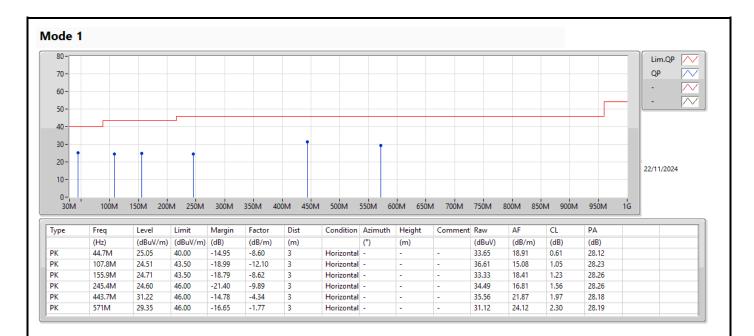




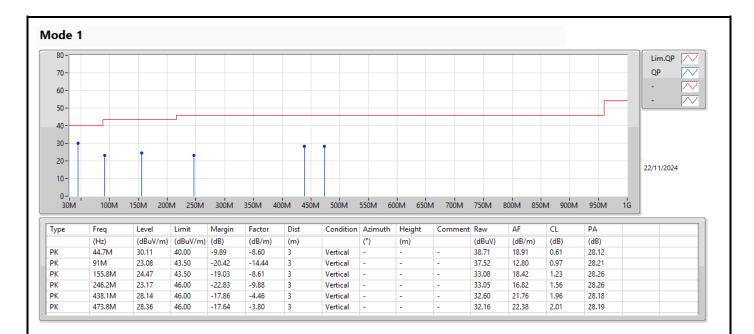
# Test Configuration 1: Antenna model GA-E24110-RPW

Summary							
Mode	Result	Туре	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	PK	44.7M	30.11	40.00	-9.89	Vertical





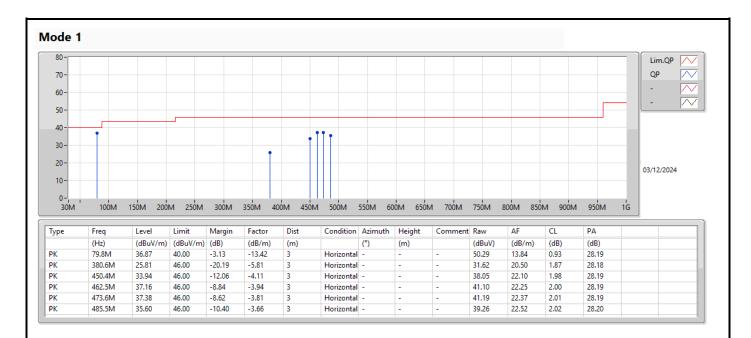






Summary										
Mode	Result	Туре	Freq	Level	Limit	Margin	Condition			
			(Hz)	(dBuV/m)	(dBuV/m)	(dB)				
Mode 1	Pass	PK	79.8M	36.87	40.00	-3.13	Horizontal			







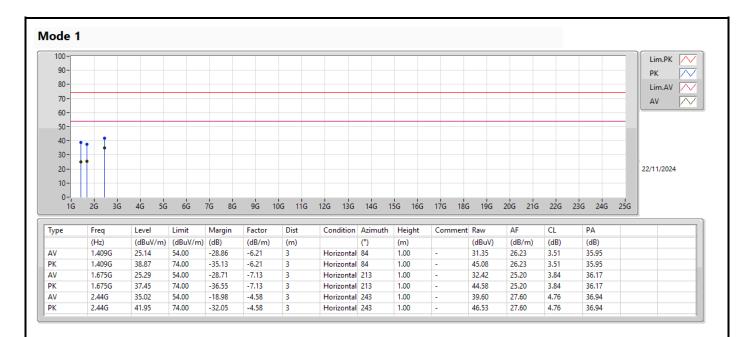




# Test Configuration 1: Antenna model GA-E24110-RPW

Summary										
Mode	Result	Туре	Freq	Level	Limit	Margin	Condition			
			(Hz)	(dBuV/m)	(dBuV/m)	(dB)				
Mode 1	Pass	AV	2.44G	46.17	54.00	-7.83	Vertical			

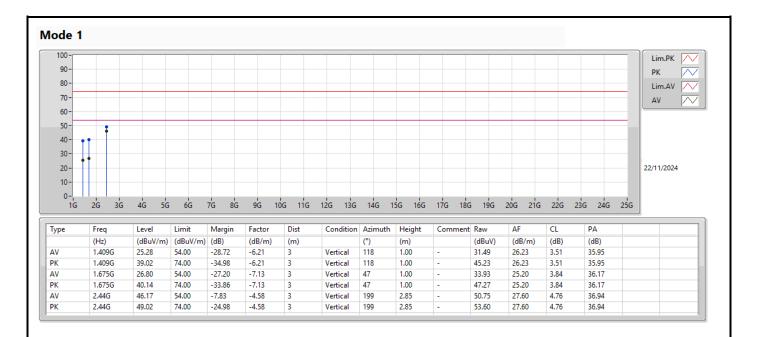






## Radiated Emission (RX) Above 1GHz

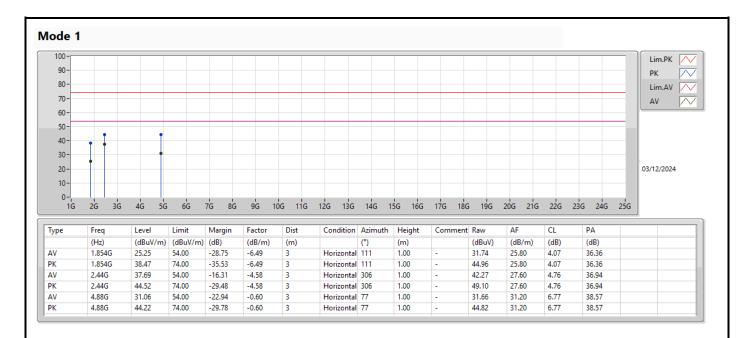
## Appendix G.2





Summary							
Mode	Result	Туре	Freq	Level	Limit	Margin	Condition
			(Hz)	(dBuV/m)	(dBuV/m)	(dB)	
Mode 1	Pass	AV	2.44G	39.42	54.00	-14.58	Vertical







## Radiated Emission (RX) Above 1GHz

## Appendix G.2

