JAPAN MIC
Radio Test Report

Applicant:	ible Technology Inc. 12F-1, No. 17, Sec. 1, Chengde Rd., Datong Dist., Taipei City 103613, Taiwan
Manufacturer:	ible Technology Inc. 12F-1, No. 17, Sec. 1, Chengde Rd., Datong Dist., Taipei City 103613, Taiwan
Product Name:	ible Airvida T1S
Brand Name:	ible
Model No.:	T1S
Report Number:	TERF2511003883ER
Place of Testing	SGS Taiwan Ltd. Central RF Lab No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan 24803.
Test Result	PASS
Classification of Specified Radio Equipment	Article 2 Clause 1 Item 19
Date of EUT Received:	November 18, 2025
Date of Test:	November 19, 2025～January 22, 2026
Issue Date:	February 4, 2026

Approved By: Jazz Huang

Jazz Huang

We hereby declare that:

The data presented with this application to be true and correct; and that our testing equipment is regularly serviced and properly calibrated; and We agree to maintain records of data for a minimum of ten (10) years in our laboratory for immediate presentation upon request by the Certification Body.

Measurement was conducted by the following test method:
the test method of Ordinance Concerning Technical Regulations
Conformity Certification etc. of Specified Radio Equipment in Annex 1, the Ministry of Internal Affairs and Communication notification in Annex 43 of Article 88, Paragraph 1 or the test method more than equivalent.

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Revision History

Report Number	Revision	Description	Issue Date	Revised By	Remark
TERF2511003883ER	00	Original	February 4, 2026	Susan Lin	

Note:

1、 The remark "*" indicates modification of the report upon requests from certification body.

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1 DESCRIPTION OF EQUIPMENT UNDER TEST (EUT)

1.1 Product Description

Product Name:	ible Airvida T1S
Brand Name:	ible
Model No.:	T1S
Hardware Version:	EVT 3
Firmware Version:	V1.5.2.13
Power Supply:	3.7 Vdc from Battery or 5 Vdc from USB Port

1.2 RF Specification

Type, frequency of transmittable radio wave and rated output

Bluetooth GFSK include AFH	F1D 2441MHz 0.000161 ~ 0.000637W/MHz
Bluetoothπ/4-DQPSK includeAFH	G1D 2441MHz 0.000089 ~ 0.000349W/MHz
Bluetooth 8DPSK includeAFH	G1D 2441MHz 0.000088 ~ 0.00034W/MHz

1.3 Antenna Designation

Antenna Type	Part Number	Supplier	Polarization (H or V)	Peak Gain (dBi)
Chip	WAN2012F245C04	OneWave	H+V	1.72

Note: The antenna information is provided by the applicant, and the laboratory shall not be held liable for the accuracy, completeness, or reliability of any applicant-supplied data.

1.4 Assemble

Glue is used for the structure of difficulty to open the casing. The device will be destroyed when trying to open.

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2 DESCRIPTION OF TEST

2.1 Test Conditions

					Limit	Result	Note
Environment of Test Room	Temperature	°C	20~25		5≦x≦35	**PASS**	
	Humidity	%	55~64		45≦x≦85	**PASS**	
Peak Antenna Gain		dBi	1.72		-----	-----	
Number of hopping channel		-----	79	20	-----	-----	
Declaration Output Power		mW/MHz	0.161	0.637	≦3 mW/MHz	**PASS**	
Declaration Output Power		dBm/MHz	-7.93	-1.96	≦4.77dBm/MHz	**PASS**	
E.I.R.P.		dBm/MHz	-6.21	-0.24	≦6.91dBm/MHz	**PASS**	
Tested Circuit Insertion Loss		dB	10.70	10.70	-----	-----	
Input Voltage		VDC	3.70		-----	-----	
Packet Type (Mode)		-----	DH5		-----	-----	
Frequency equal to the transmission rate of the modulation signal		MHz	1		-----	-----	
Test Category		2.4GHz Band Wideband Low-Power Data Communication System (Bluetooth GFSK include AFH)					
The reason why test are performed only rated voltage							
When the input voltage to receiver RF circuit varies below ± 1% as the input voltage from the external power supply to the receiver varies ± 10% (excluding power supply).							

					Limit	Result	Note
Environment of Test Room	Temperature	°C	20~25		5≦x≦35	**PASS**	
	Humidity	%	55~64		45≦x≦85	**PASS**	
Peak Antenna Gain		dBi	1.72		-----	-----	
Number of hopping channel		-----	79	20	-----	-----	
Declaration Output Power		mW/MHz	0.089	0.349	≦3 mW/MHz	**PASS**	
Declaration Output Power		dBm/MHz	-10.51	-4.57	≦4.77dBm/MHz	**PASS**	
E.I.R.P.		dBm/MHz	-8.79	-2.85	≦6.91dBm/MHz	**PASS**	
Tested Circuit Insertion Loss		dB	10.70	10.70	-----	-----	
Input Voltage		VDC	3.70		-----	-----	
Packet Type (Mode)		-----	2DH5		-----	-----	
Frequency equal to the transmission rate of the modulation signal		MHz	1		-----	-----	
Test Category		2.4GHz Band Wideband Low-Power Data Communication System (Bluetooth π/4-DQPSK include AFH)					
The reason why test are performed only rated voltage							
When the input voltage to receiver RF circuit varies below ± 1% as the input voltage from the external power supply to the receiver varies ± 10% (excluding power supply).							

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					Limit	Result	Note
Environment of Test Room	Temperature	°C	20~25		5≦x≦35	**PASS**	
	Humidity	%	55~64		45≦x≦85	**PASS**	
Peak Antenna Gain		dBi	1.72		-----	-----	
Number of hopping channel		-----	79	20	-----	-----	
Declaration Output Power		mW/MHz	0.088	0.340	≦3 mW/MHz	**PASS**	
Declaration Output Power		dBm/MHz	-10.56	-4.69	≦4.77dBm/MHz	**PASS**	
E.I.R.P.		dBm/MHz	-8.84	-2.97	≦6.91dBm/MHz	**PASS**	
Tested Circuit Insertion Loss		dB	10.70	10.70	-----	-----	
Input Voltage		VDC	3.70		-----	-----	
Packet Type (Mode)		-----	3DH5		-----	-----	
Frequency equal to the transmission rate of the modulation signal		MHz	1		-----	-----	
Test Category		2.4GHz Band Wideband Low-Power Data Communication System (Bluetooth 8DPSK include AFH)					
The reason why test are performed only rated voltage							
When the input voltage to receiver RF circuit varies below ± 1% as the input voltage from the external power supply to the receiver varies ± 10% (excluding power supply).							

2.2 Voltage Variation

Voltage Fluctuation Test	Normal Voltage	High Voltage + 10% of Normal Voltage	Low Voltage - 10% of Normal Voltage
Input DC Power	3.7	4.07	3.33
Output DC Power	1.112	1.112	1.112
Voltage Variation (%)	0	0	0
Note: Voltage Variation (%) = (Output High or Low Voltage - Output Normal Voltage)/Output Normal Voltage X 100			
During the input supply voltage to the EUT from the external power source is varied by +/- 10%, if output voltage had been confirmed that the fluctuation of power supply to the RF circuit of EUT (excluding power source) is equal to or less than +/- 1%. Exempt extremely high and low supply voltage condition tests, EUT only operated in normal voltage to test all regulations.			

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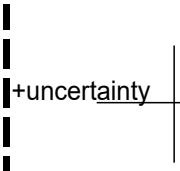
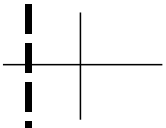
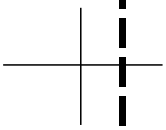
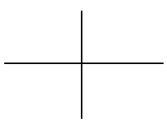
3 ABOUT UNCERTAINTY OF MEASURED VALUE

*In this test, the influence of an error or uncertainty may be done according to the following factors.
- Bias of a measurement equipment, Change by aging, Attrition, Noise
- Skill and capability of an inspector
- Environment (Temperature, Humidity)
- Dispersion in a EUT (Equipment Under Test)
- Uncertainty of calibration of a measurement equipment

Therefore, Synthetic uncertainty is calculated using "k=2" of coverage factor, and about 95% of confidence level shall be obtained.

In consideration of the above, it judged as follows.

JUDGE	Measured value and Standard limit value
PASS	Case1 Standard limit value  Measured value *Even if it takes uncertainty into consideration, a standard limit value is fulfilled.
	Case2  *Although measured value is in a standard limit value, a limit value won't be fulfilled if uncertainty is taken into consideration.
FAIL	Case3  *Although measured value exceeds a standard limit value, a limit value will be fulfilled if uncertainty is taken into consideration.
	Case4  *Even if it takes uncertainty into consideration, a standard limit value isn't fulfilled.

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4 MEASUREMENT EQUIPMENT LIST

Conducted Emission Test Site: Conducted 2						
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	Calibration Authority	Cal. Method
Attenuator	Mini-Circuits	BW-S10W2+	6	12/07/2025	SGS	C)
DC Block	Titan	T0610A00127A	SNK47011	12/07/2025	SGS	C)
MXA Spectrum Analyzer	KEYSIGHT	N9021B	MY62242004	06/11/2025	KEYSIGHT	C)
Power Meter	Anritsu	ML2496A	1242004	10/23/2025	ETC	C)
Power Sensor	Anritsu	MA2411B	1207365	11/06/2025	ETC	C)
Power Sensor	Anritsu	MA2411B	1207368	10/23/2025	ETC	C)
Test Software	SGS	Radio Test Software	Ver. 21	N.C.R	N/A	N/A

Note 1: The validity of measurement equipment is one year from the first day of the following month of the calibration date.
(e.g. If the calibration date is December 15th, 2014, measurement equipment can be used from December 15th, 2014 to December 31st, 2015.)

Note 2: Calibration Method

a): Calibration conducted by the National Institute of Information and Communications Technology(NICT)(hereinafter referred to as "NICT") or a designated calibration agency under Article 102-18 paragraph (1)

b): Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992)

c)：Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph(1)

d)：Calibration conducted by using measuring instruments and other equipment listed in the right column of Table No. 3 attached hereto, which shall have been given any of calibration, etc. listed above from **a)** to **c)**

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5 TEST RESULTS

DH5

Measurement Frequency		MHz	2402	2441		2480	Limit	Result	Note
Channel Number		Ch.	0	39		78	-----	-----	
Number of hopping channel		-----	-	79	20	-	-----	-----	
Reading Frequency		MHz	2401.951	2440.95		2479.95	-----	-----	
Frequency Tolerance		ppm	-20.39967	-20.48341		-20.16129	-50≦x≦+50	**PASS**	
Occupied Bandwidth		MHz	-	78.152	19.577	-	≦83.5 MHz	**PASS**	
Spread Bandwidth		MHz	-	71.294	18.071	-	≧ 0.5 MHz	**PASS**	
Transmission Output Power	Calculated result	mW/MHz	-	0.161	0.637	-	≦3 mW/MHz	-----	
	Tolerance	%	-	0.00	0.00	-	≦20	**PASS**	
	Measured value	dBm	-	10.608		-	-----	-----	
	On Time	msec	-	2.880		-	-----	-----	
	Dwell Time	msec	-	307.198		-	≦400 msec	**PASS**	
	Burst Ratio	%	-	76.8		-	-----	-----	
Unwanted Emission Strength	Under 2387MHz	μW/MHz	-	0.044771		-	≦2.5uW/MHz	**PASS**	
		MHz	-	739.50		-	-----	-----	
	2387-2400MHz	μW/MHz	-	1.671091		-	≦25uW/MHz	**PASS**	
		MHz	-	2400.00		-	-----	-----	
	2483.5-2496.5MHz	μW/MHz	-	0.021330		-	≦25uW/MHz	**PASS**	
		MHz	-	2483.73		-	-----	-----	
	Over 2496.5MHz	μW/MHz	-	0.087096		-	≦2.5uW/MHz	**PASS**	
		MHz	-	4888.00		-	-----	-----	
Secondarily Emitted Radio Wave Strength (RX Spurious)	Under 1GHz	nW	-	0.005408		-	≦ 4 nW	**PASS**	
		MHz	-	746.70		-	-----	-----	
	Over 1GHz	nW	-	0.192309		-	≦ 20 nW	**PASS**	
		MHz	-	4880.00		-	-----	-----	
Tested Circuit Insertion Loss for RX Spurious								1	
Spread Factor		-----	-	71.3	18.07	-	≧5	**PASS**	
Dwell Time		mSec	-	276.79		-	≦400 msec	**PASS**	
Interference Prevention Function		-----	-	good		-	-----	**PASS**	

2DH5

Measurement Frequency		MHz	2402	2441		2480	Limit	Result	Note
Channel Number		Ch.	0	39		78	-----	-----	
Number of hopping channel		-----	-	79	20	-	-----	-----	
Spread Bandwidth		MHz	-	71.717	18.214	-	≧ 0.5 MHz	**PASS**	
Transmission Output Power	Calculated result	mW/MHz	-	0.089	0.349	-	≦3 mW/MHz	-----	
	Tolerance	%	-	0.00	0.00	-	≦20	**PASS**	
	Measured value	dBm	-	8.03		-	-----	-----	
	On Time	msec	-	2.880		-	-----	-----	
	Dwell Time	msec	-	307.198		-	≦400 msec	**PASS**	
	Burst Ratio	%	-	76.8		-	-----	-----	
Spread Factor		-----	-	71.7	18.21	-	≧5	**PASS**	
Dwell Time		mSec	-	279.40		-	≦400 msec	**PASS**	
Interference Prevention Function		-----	-	good		-	-----	**PASS**	

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3DH5

Measurement Frequency		MHz	2402	2441		2480	Limit	Result	Note
Channel Number		Ch.	0	39		78	-----	-----	
Number of hopping channel		-----	-	79	20	-	-----	-----	
Reading Frequency		MHz	2401.952	2440.951		2479.95	-----	-----	
Frequency Tolerance		ppm	-19.98335	-20.07374		-20.16129	-50≦x≦+50	**PASS**	
Occupied Bandwidth		MHz	-	78.257	19.884	-	≦83.5 MHz	**PASS**	
Spread Bandwidth		MHz	-	70.815	18.215	-	≧ 0.5 MHz	**PASS**	
Transmission Output Power	Calculated result	mW/MHz	-	0.088	0.340	-	≦3 mW/MHz	-----	
	Tolerance	%	-	0.00	0.00	-	≦20	**PASS**	
	Measured value	dBm	-	7.92		-	-----	-----	
	On Time	msec	-	2.880		-	-----	-----	
	Dwell Time	msec	-	307.198		-	≦400 msec	**PASS**	
	Burst Ratio	%	-	76.8		-	-----	-----	
Unwanted Emission Strength	Under 2387MHz	μW/MHz	-	0.016982		-	≦2.5uW/MHz	**PASS**	
		MHz	-	2344.10		-	-----	-----	
	2387-2400MHz	μW/MHz	-	0.268720		-	≦25uW/MHz	**PASS**	
		MHz	-	2399.98		-	-----	-----	
	2483.5-2496.5MHz	μW/MHz	-	0.078524		-	≦25uW/MHz	**PASS**	
		MHz	-	2483.55		-	-----	-----	
	Over 2496.5MHz	μW/MHz	-	0.061518		-	≦2.5uW/MHz	**PASS**	
		MHz	-	4904.50		-	-----	-----	
Secondarily Emitted Radio Wave Strength (RX Spurious)	Under 1GHz	nW	-	0.000776		-	≦ 4 nW	**PASS**	
		MHz	-	823.70		-	-----	-----	
	Over 1GHz	nW	-	0.192752		-	≦ 20 nW	**PASS**	
		MHz	-	4880.00		-	-----	-----	
	Tested Circuit Insertion Loss for RX Spurious							1	
Spread Factor		-----	-	70.8	18.22	-	≧5	**PASS**	
Dwell Time		mSec	-	274.93		-	≦400 msec	**PASS**	
Interference Prevention Function		-----	-	good		-	-----	**PASS**	

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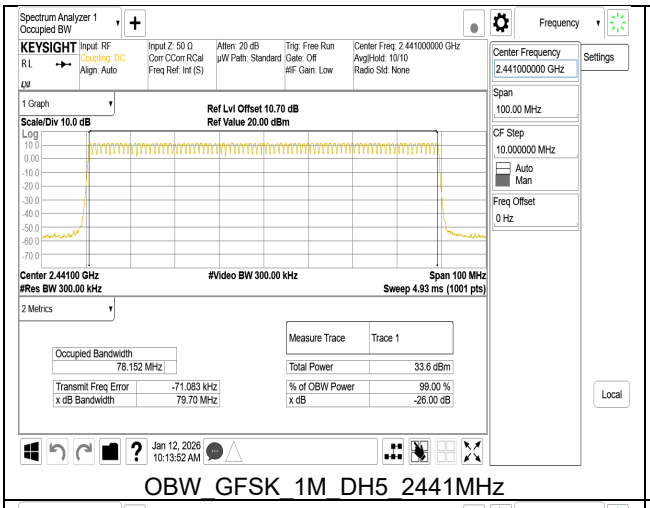
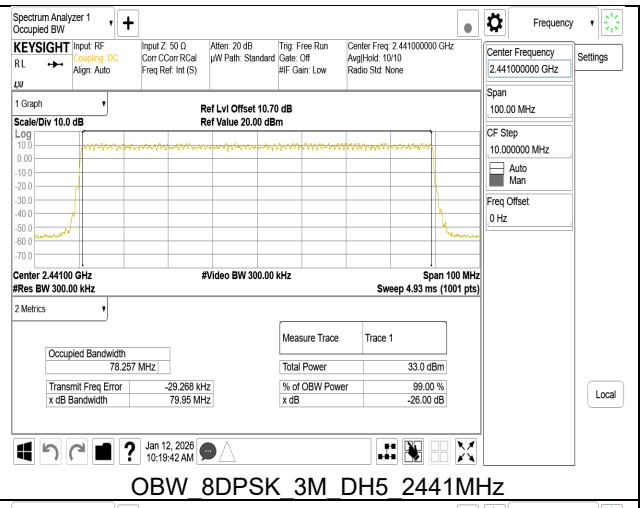
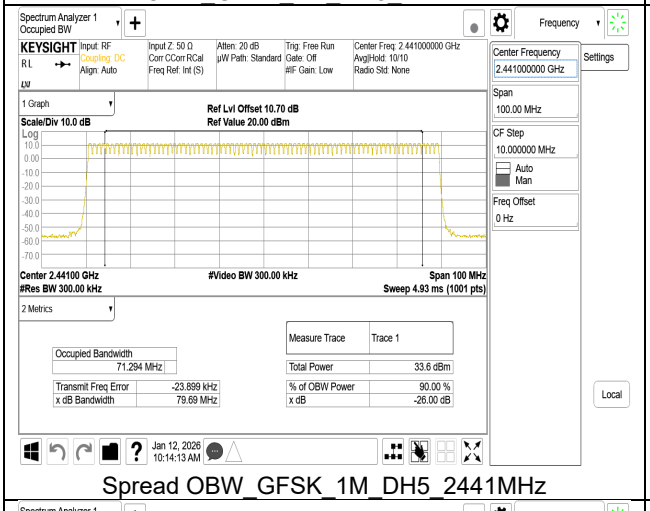


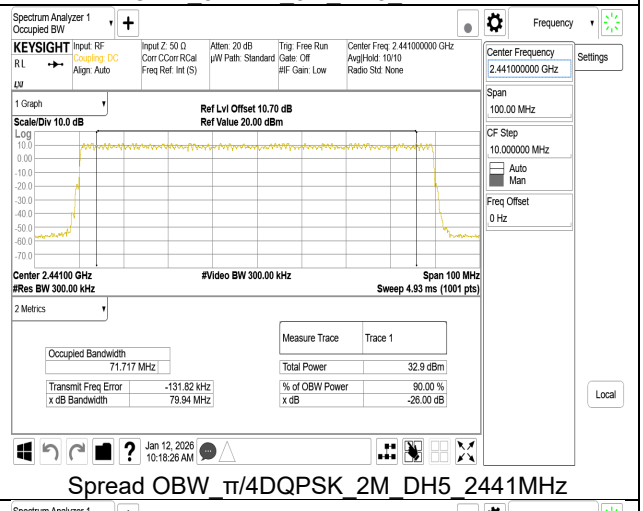
OBW_GFSK_1M_DH5_2441MHz



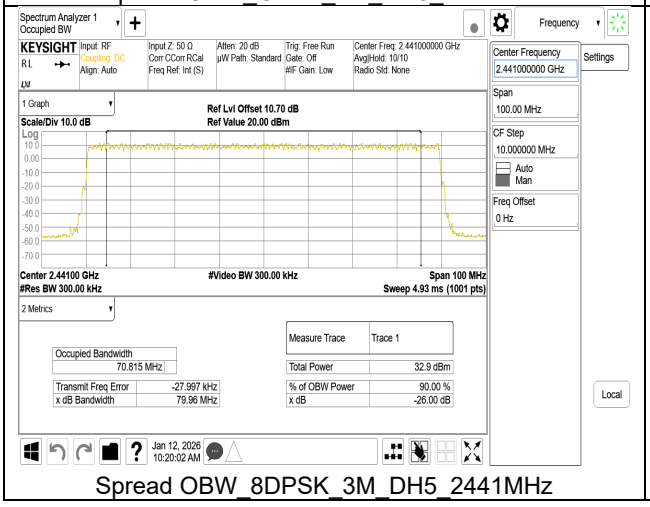
OBW_8DPSK_3M_DH5_2441MHz



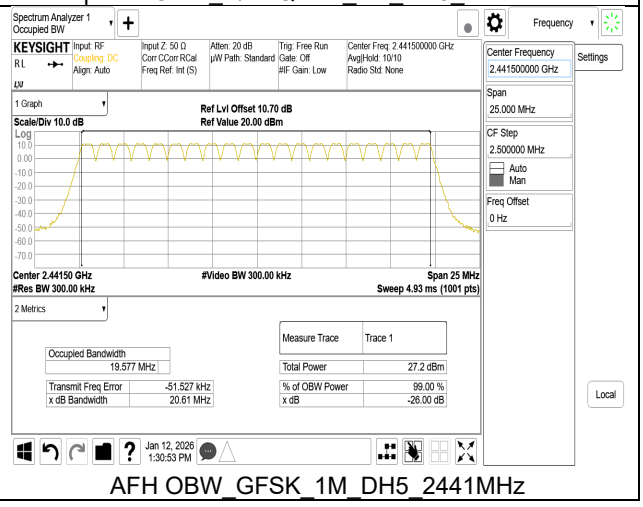
Spread OBW_GFSK_1M_DH5_2441MHz



Spread OBW_π/4DQPSK_2M_DH5_2441MHz



Spread OBW_8DPSK_3M_DH5_2441MHz



AFH OBW_GFSK_1M_DH5_2441MHz

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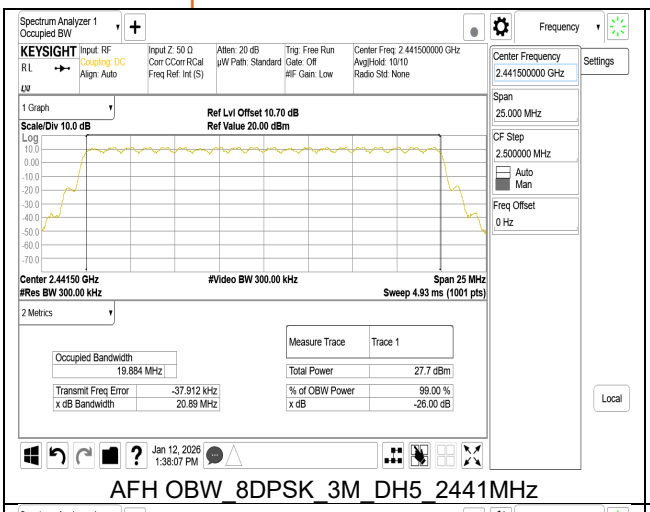

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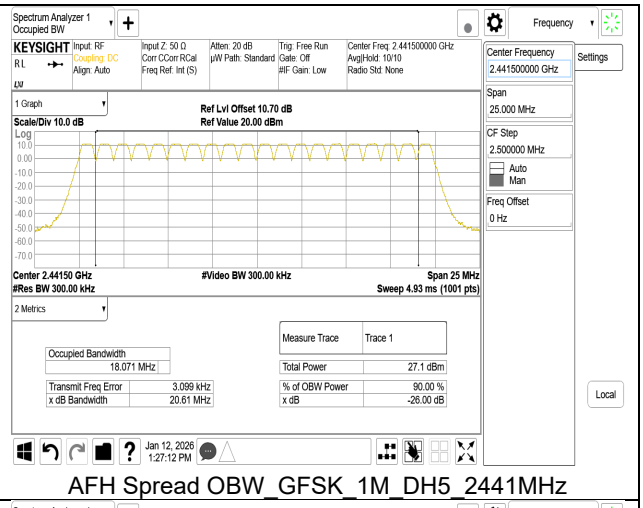
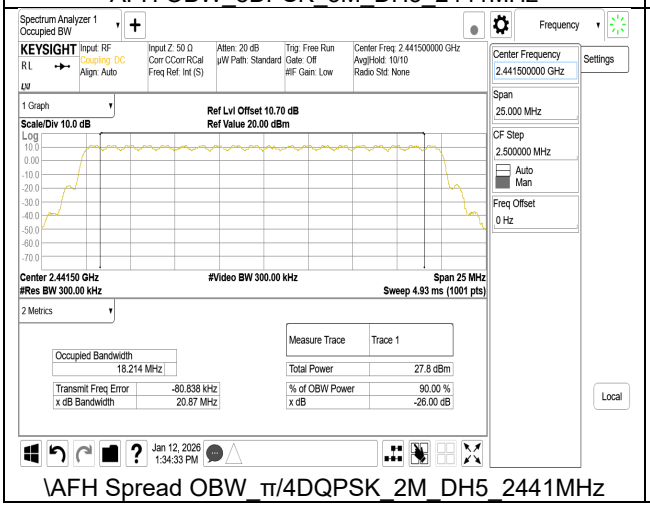
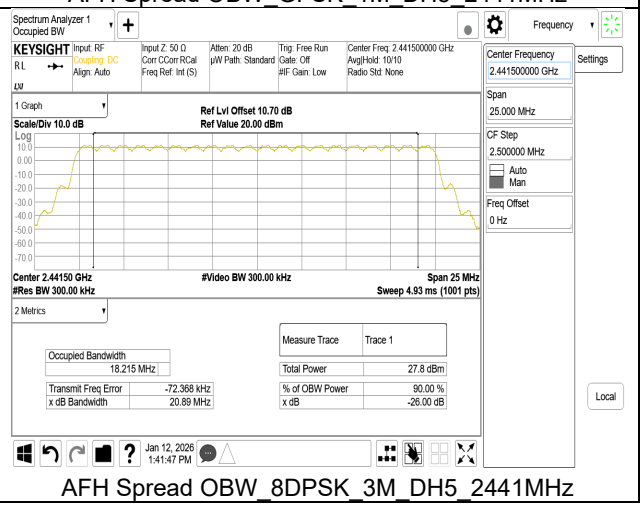


AFH Spread OBW_GFSK_1M_DH5_2441MHz



\AFH Spread OBW_π/4DQPSK_2M_DH5_2441MHz



AFH Spread OBW_8DPSK_3M_DH5_2441MHz

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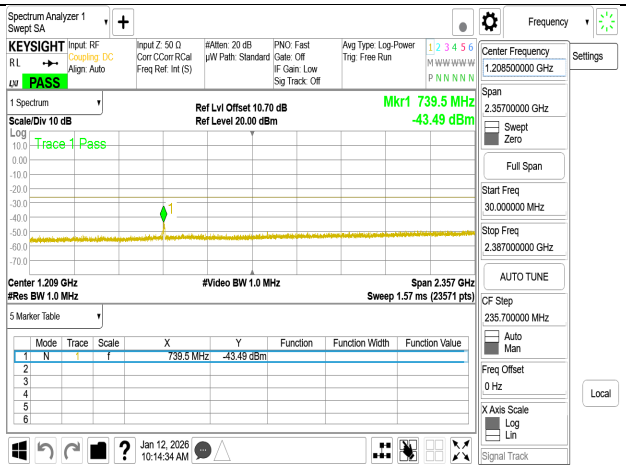
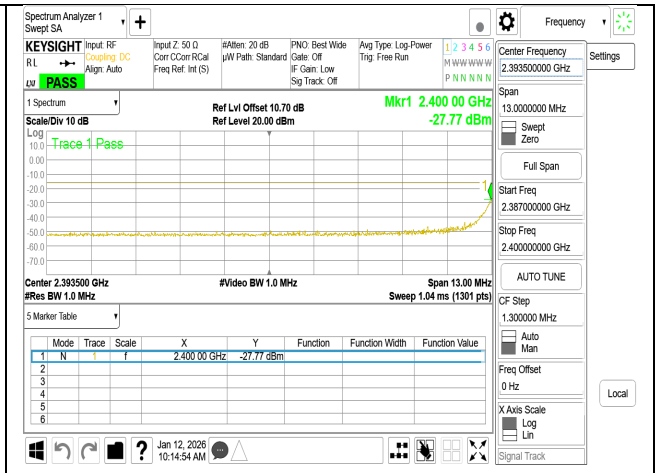
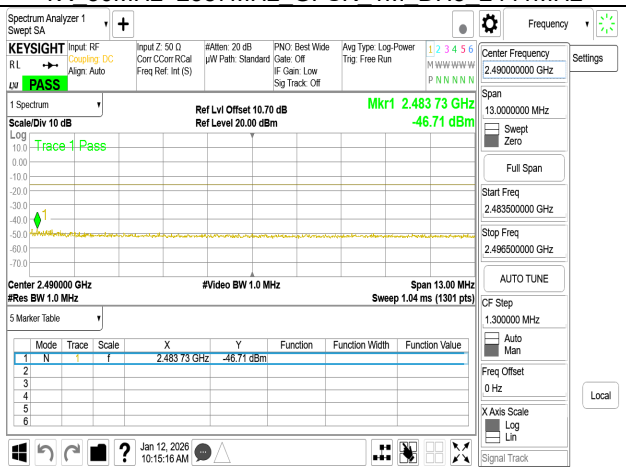


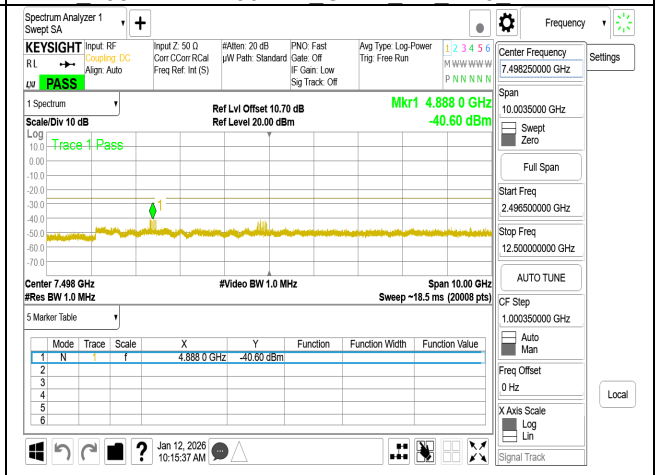
TX_30MHz~2387MHz_GFSK_1M_DH5_2441MHz



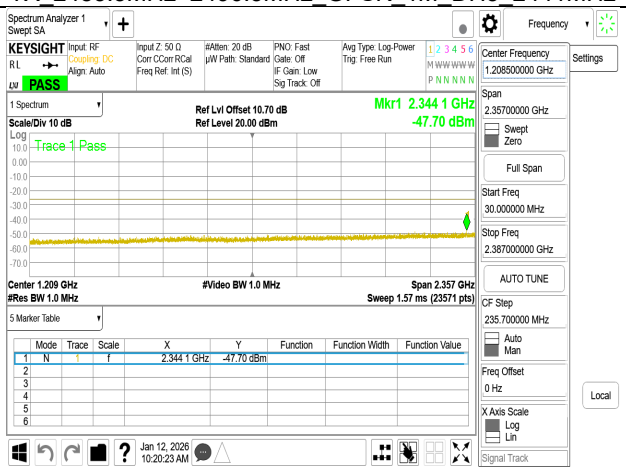
TX_2387MHz~2400MHz_GFSK_1M_DH5_2441MHz



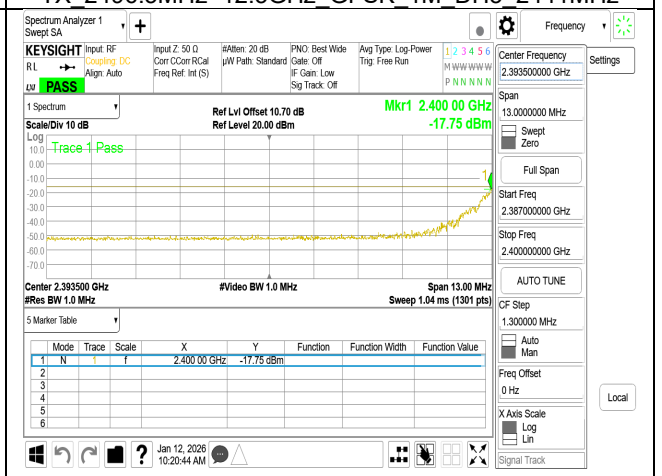
TX_2483.5MHz~2496.5MHz_GFSK_1M_DH5_2441MHz



TX_2496.5MHz~12.5GHz_GFSK_1M_DH5_2441MHz



TX_30MHz~2387MHz_8DPSK_3M_DH5_2441MHz



TX_2387MHz~2400MHz_8DPSK_3M_DH5_2441MHz

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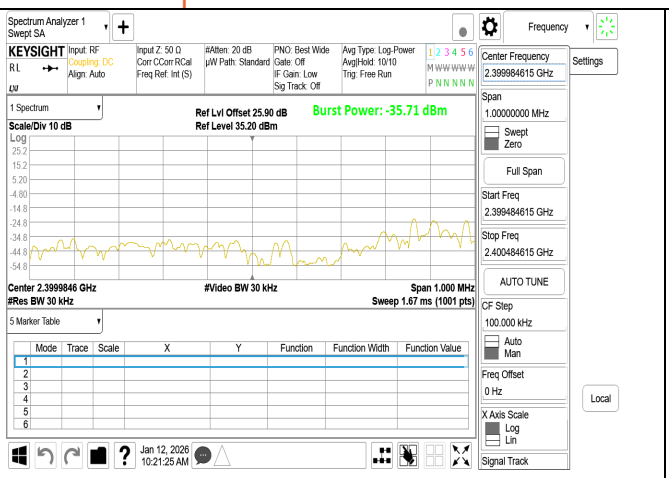
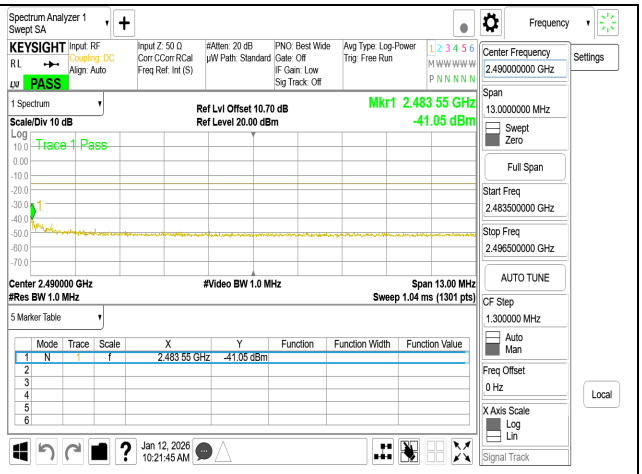
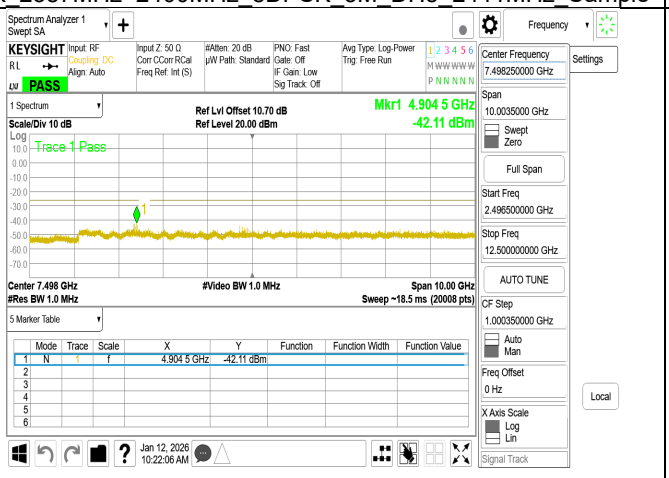


TX_2387MHz~2400MHz_8DPSK_3M_DH5_2441MHz_Sample



TX_2483.5MHz~2496.5MHz_8DPSK_3M_DH5_2441MHz



TX_2496.5MHz~12.5GHz_8DPSK_3M_DH5_2441MHz

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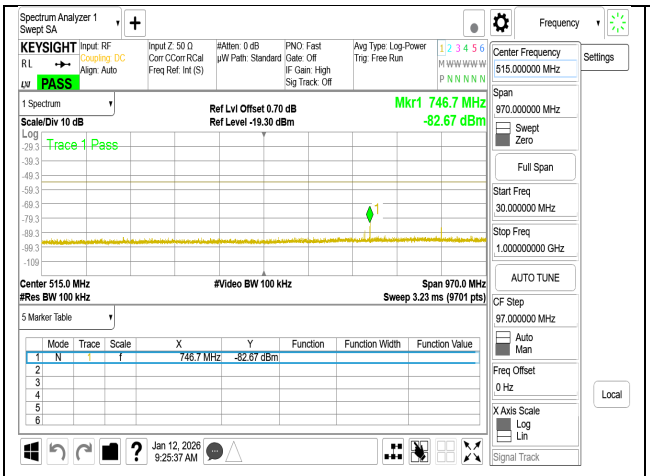
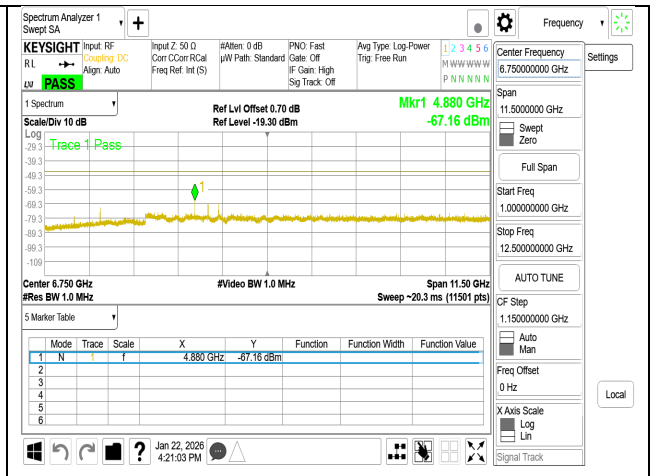
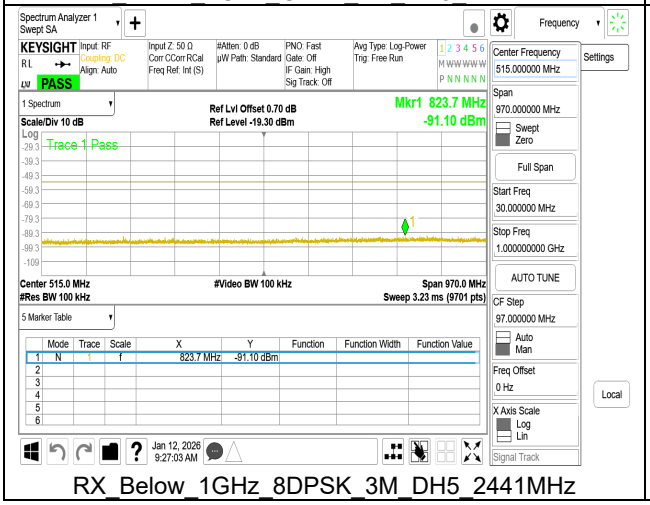


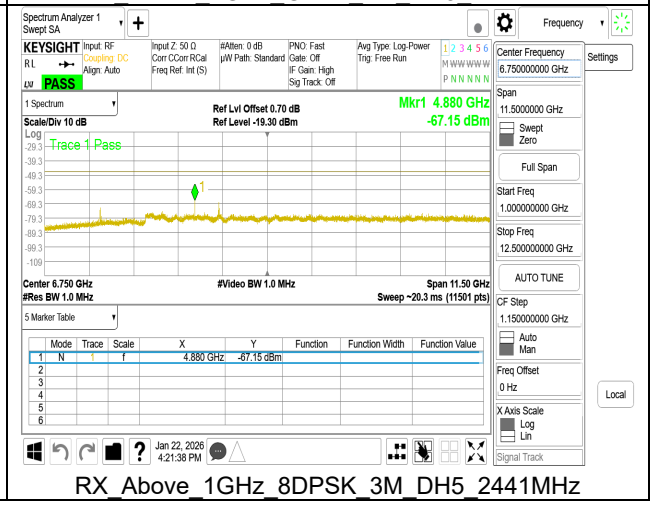
RX_Below_1GHz_GFSK_1M_DH5_2441MHz



RX_Above_1GHz_GFSK_1M_DH5_2441MHz



RX_Below_1GHz_8DPSK_3M_DH5_2441MHz



RX_Above_1GHz_8DPSK_3M_DH5_2441MHz

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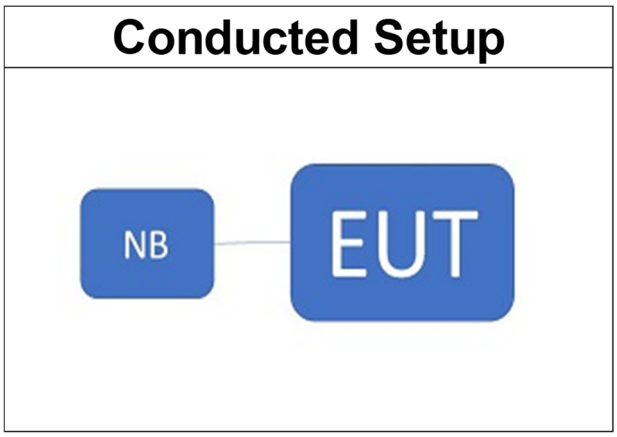
6 TEST SETUP

6.1 Setup Diagram



~ End of Report ~

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