FCC PART 96.47 CBSD-EUD TEST REPORT

Applicant:	Wistron Neweb Corporation 20 Park Avenue II Hsinchu Science Park, Hsinchu 308, Taiwan
Manufacturer:	Wistron Neweb Corporation 20 Park Avenue II Hsinchu Science Park, Hsinchu 308, Taiwan
Product Name:	DRMR-H01
Brand Name:	WNC
Model No.:	DRMR-H01
Report Number:	TERF2501000197ER
FCC ID	NKR-DRMRH01
Date of EUT Received:	January 10, 2025
Date of Test:	January 13, 2025~April 30, 2025
Issue Date:	June 2, 2025

Approved By _____
Blue Yang

We hereby certify that:

The above equipment was tested by SGS Taiwan Ltd. Central RF Lab The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI ANSI C63.26-2015 and the energy emitted by the sample EUT comply with FCC rule part 2 , 96.47.

The results of this report relate only to the sample identified in this report.

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Revision History

Report Number	Revision	Description	Issue Date	Revised By	Remark
TERF2501000197ER	00	Original	May 12, 2025	Karen Huang	
TERF2501000197ER	01	Update section 1.2	June 2, 2025	Karen Huang	*

Note:

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

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1. GENERAL PRODUCT INFORMATION

1.1. Product Description

Product Name:	DRMR-H01
Brand Name:	WNC
Model No.:	DRMR-H01
Hardware Version:	N/A
Firmware Version:	N/A
EUT Series No.:	355182430001963, 355182430001674
Power Supply:	3.3 Vdc
Test Software (Name/Version)	Conncet with callbox

1.2. Antenna Designation

Antenna Type	Part No.	Antenna Model No.
PIFA	260-29154	PIFA#5
Monopole	260-29141	Monopole#1
Note: Transmission frequencies in this test report are only available by the above antenna(s).		

Bands	Freq. (MHz)	Peak Antenna Gain (dBi)			
		Gain	PIFA Ant. No.	Gain	Monopole Ant. No.
B48 / n48	3550~3700	1.00	5	1.00	1

Note: Antenna information is provided by the applicant.

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1.3. Operation Frequencies

LTE Band 48			
BW (MHz)	Operation Frequency (MHz)		
5	3552.5	-	3697.5
10	3555.0	-	3695.0
15	3557.5	-	3692.5
20	3560.0	-	3690.0

NR Band 48			
BW (MHz)	Operation Frequency (MHz)		
10	3555.0	-	3695.0
15	3557.5	-	3692.5
20	3560.0	-	3690.0
30	3565.0	-	3685.0
40	3570.0	-	3680.0

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1.4. Test Methodology of Applied Standards

FCC Part 96.47

FCC KDB 940660 D01 Part 96 CBRS Eqpt V03

1.5. Test Facility

Laboratory	Test Site Address	Test Site Name	FCC Designation number	IC CAB identifier
SGS Taiwan Ltd. Central RF Lab. (TAF code 3702)	No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan.	SAC 1	TW0027	TW3702
		SAC 2		
		SAC 3		
		Conduction 1		
		Conducted 1		
		Conducted 2		
		Conducted 3		
		Conducted 4		
		Conducted 5		
		Conducted 6		
	No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan 333	Conduction C	TW0028	
		SAC C		
		SAC D		
		SAC G		
		Conducted A		
		Conducted B		
		Conducted C		
		Conducted D		
		Conducted E		
		Conducted F		
		Conducted G		
Note: Test site name is remarked on the equipment list in each section of this report as an indication where measurements occurred in specific test site and address.				

1.6. Special Accessories

No special accessories were used during testing.

1.7. Equipment Modifications

There was no modifications incorporated into the EUT.

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2. SUMMARY OF TEST RESULTS

2.1. Summary of test results

FCC Rules	Description Of Test	Result
§96.47(a) (1)	End User Device additional requirements	Compliant

2.2. Reporting statements of conformity

The conformity statement in this report is based solely on the test results, measurement uncertainty is excluded.

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3. MEASUREMENT

3.1. End User Device additional requirements

FCC Part 96.47

(a) End User Devices may operate only if they can positively receive and decode an authorization signal transmitted by a CBSD, including the frequencies and power limits for their operation.

(1) An End User Device must discontinue operations, change frequencies, or change its operational power level within 10 seconds of receiving instructions from its associated CBSD.

3.2. Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuation factor between EUT conducted port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly EUT RF output level.

1. Setup with frequency 3560MHz and power level 22dBm/MHz
2. Enable AP service from EPC management
3. Check EUD Tx Frequency and power
4. Disable AP service from EPC management
   a. Check EUD stops transmission within 10seconds.
5. Setup with 3690MHz & power level 3dBm/MHz
6. Enable AP service from EPC management
7. Check EUD Tx Frequency and power
8. Disable AP service from EPC management
   a. Check EUD stops transmission within 10seconds.

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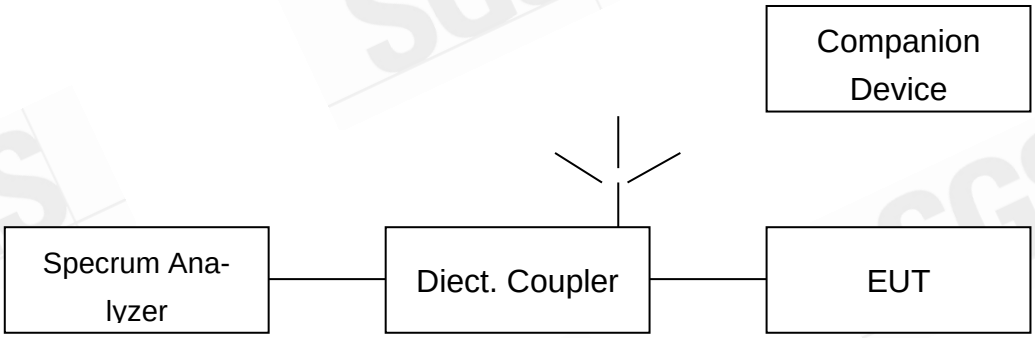
3.3. Test Configuration of Equipment Umder Test:

Connection Diagram of Test System



The EUT is an End User Device (EUD) which was connected to a certified Gemtek CBSD (FCC ID: **P27-SCE5164-B48** and qualified by WInnForum) as the companion device to show compliance with Part 96.47 requirement.

3.4. Measurement Equipment Used

Mode: LTE

Conducted Emission Test Site: Conducted 5					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
DC Block	Mini-Circuits	BLK-18-S+	4	12/11/2024	12/10/2025
DC Power Supply	Gwinstek	SPS-3610	GEV856733	12/04/2024	12/03/2025
EXA Spectrum Analyzer	KEYSIGHT	N9010B	MY59071406	06/25/2024	06/24/2025
Splitter	Agilent	11636B	59351	12/11/2024	12/10/2025
Splitter	RF-Lambda	RFLT2W1G18G	11-JSPF412-020	12/11/2024	12/10/2025

Conducted Emission Test Site: Conducted 5					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
CBSD	mosolabs	SCE5164-B48	SN:DR600C0000139 FCC ID:P27-SCE5164-B48	N/A	N/A
Notebook	DELL	P137G	GQL1WT3	N/A	N/A
Notebook	Lenovo	L480	PF-1D07MD 19/08	N/A	N/A
Notebook	Lenovo	T14	PF-2Z8BWW	N/A	N/A
Switch	NETGEAR	GS324v2	6XR126D551239	N/A	N/A

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Mode: NR

Conducted Emission Test Site: Conducted 5					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
DC Block	Mini-Circuits	BLK-18-S+	4	12/11/2024	12/10/2025
DC Power Supply	Gwinstek	SPS-3610	GEV856733	12/04/2024	12/03/2025
EXA Spectrum Analyzer	KEYSIGHT	N9010B	MY59071406	06/25/2024	06/24/2025
Splitter	Agilent	11636B	59351	12/11/2024	12/10/2025
Splitter	RF-Lambda	RFLT2W1G18G	11-JSPF412-020	12/11/2024	12/10/2025

Conducted Emission Test Site: Conducted 5					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL. (mm/dd/yyyy)	CAL DUE. (mm/dd/yyyy)
CBSD	mosolabs	SCE5164-B48	SN:DR600C0000139 FCC ID:P27-SCE5164-B48	N/A	N/A
Notebook	DELL	P137G	GQL1WT3	N/A	N/A
Notebook	Lenovo	L480	PF-1D07MD 19/08	N/A	N/A
Notebook	Lenovo	T14	PF-2Z8BWW	N/A	N/A
Switch	NETGEAR	GS324v2	6XR126D551239	N/A	N/A

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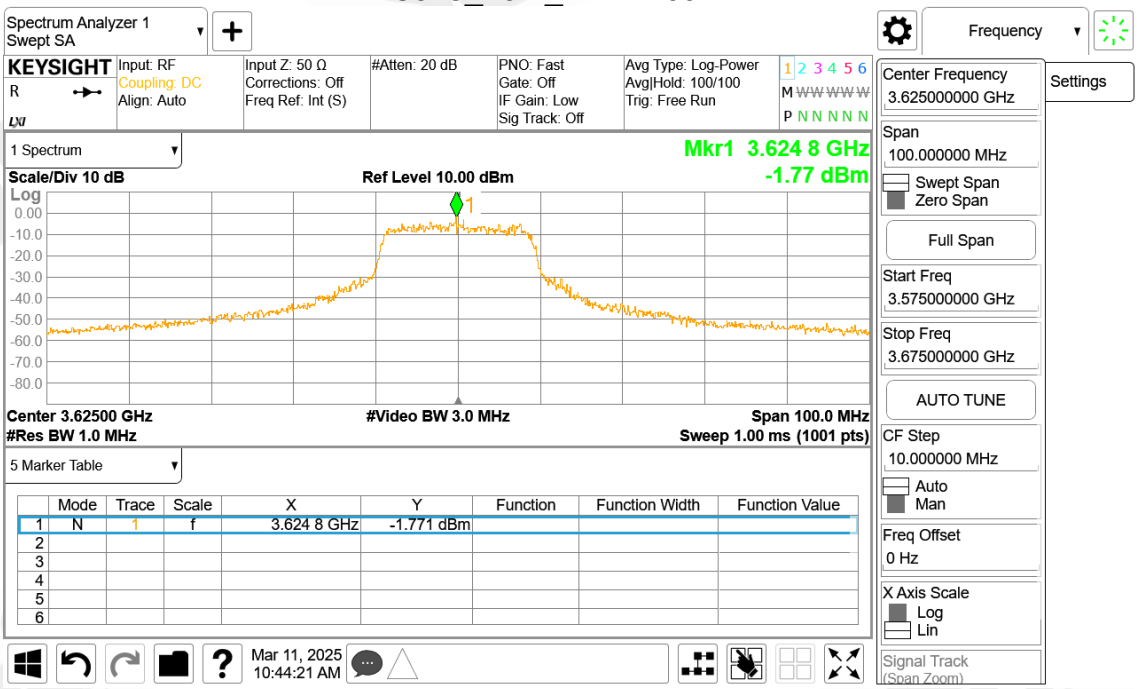
3.5. Measurement Result

Mode: LTE

3625_20M_EIRP 20dBm



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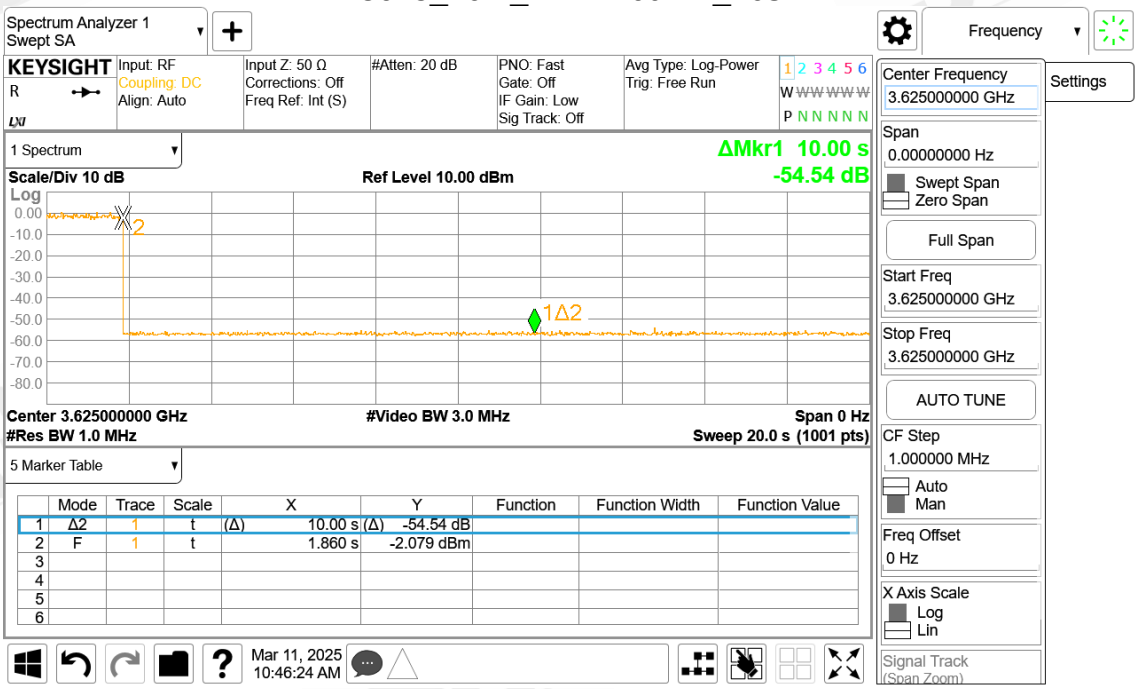

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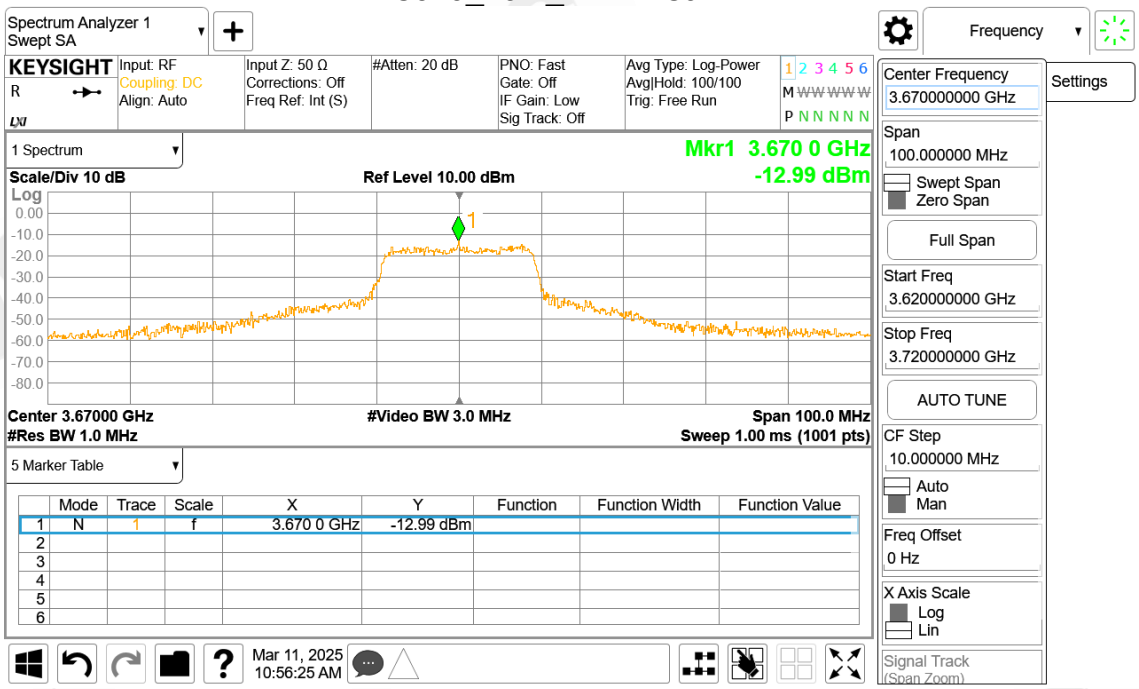
3670_20M_EIRP 13dBm



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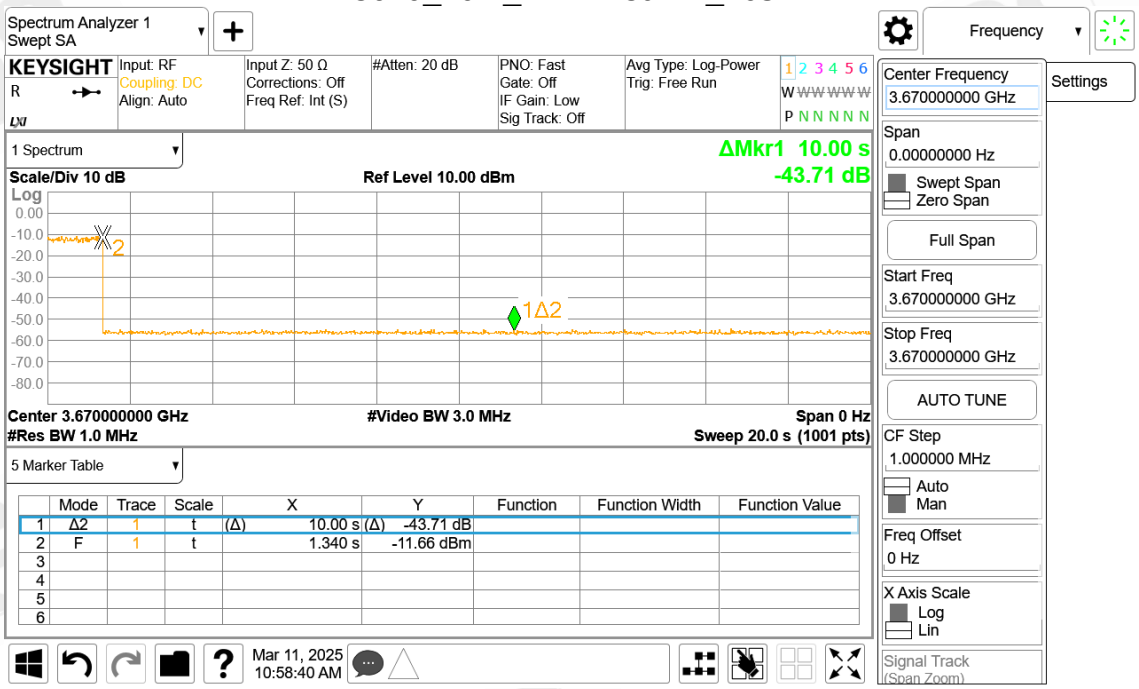

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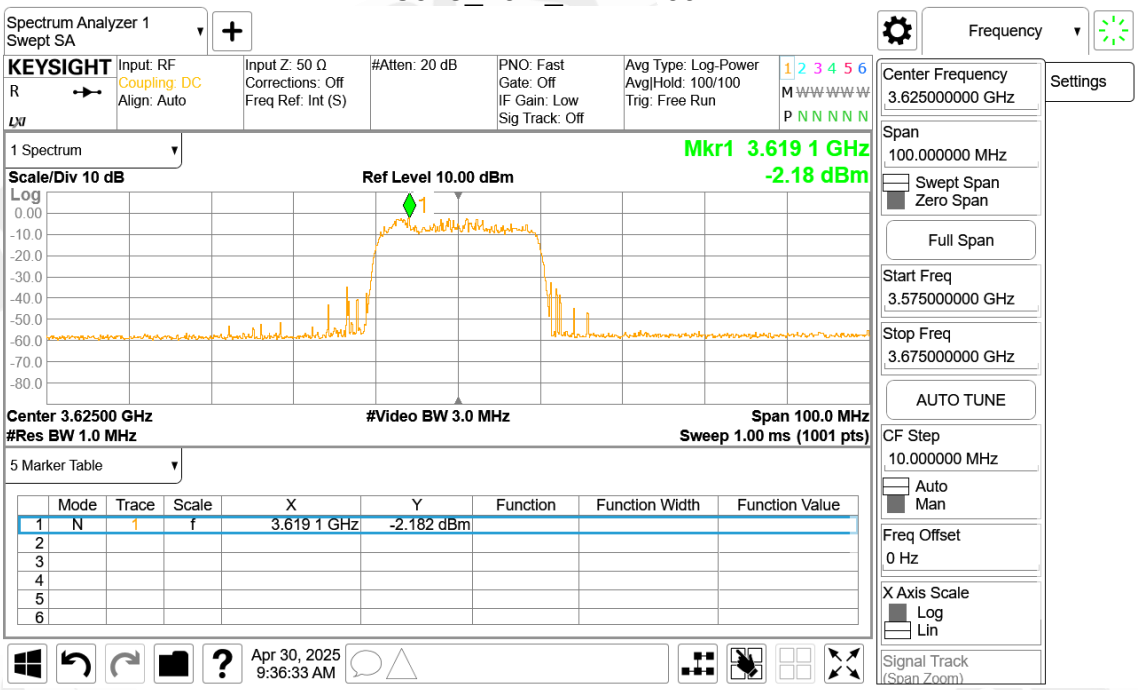
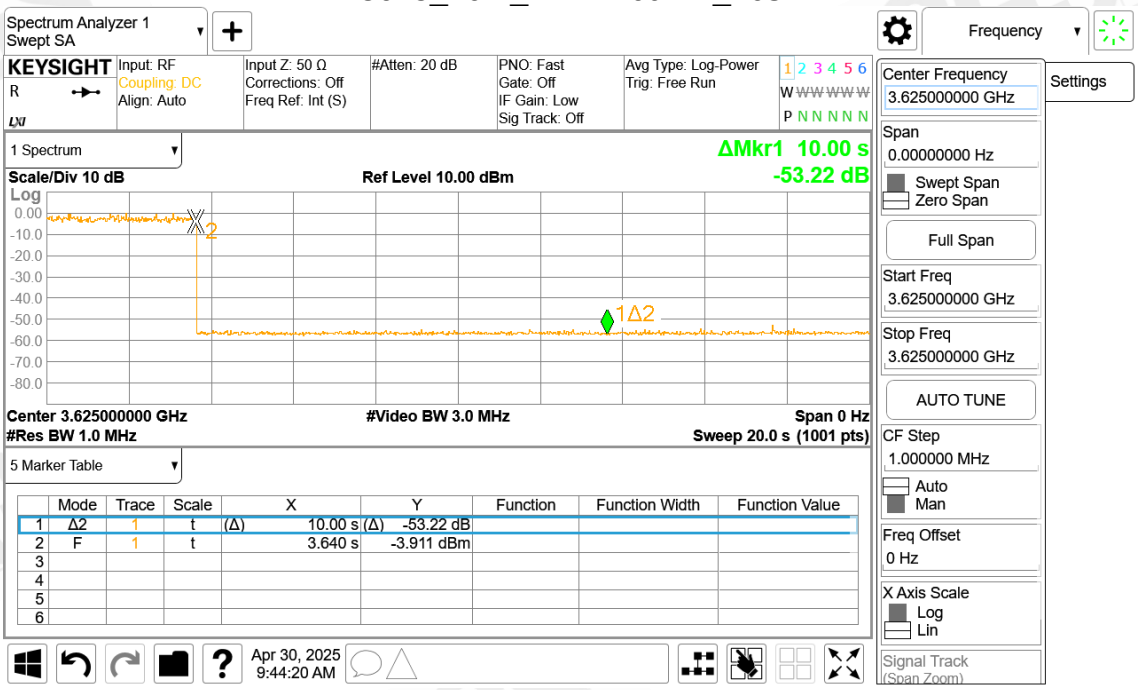
Mode: NR

3625_20M_EIRP 20dBm



3625_20M_EIRP 20dBm_10s



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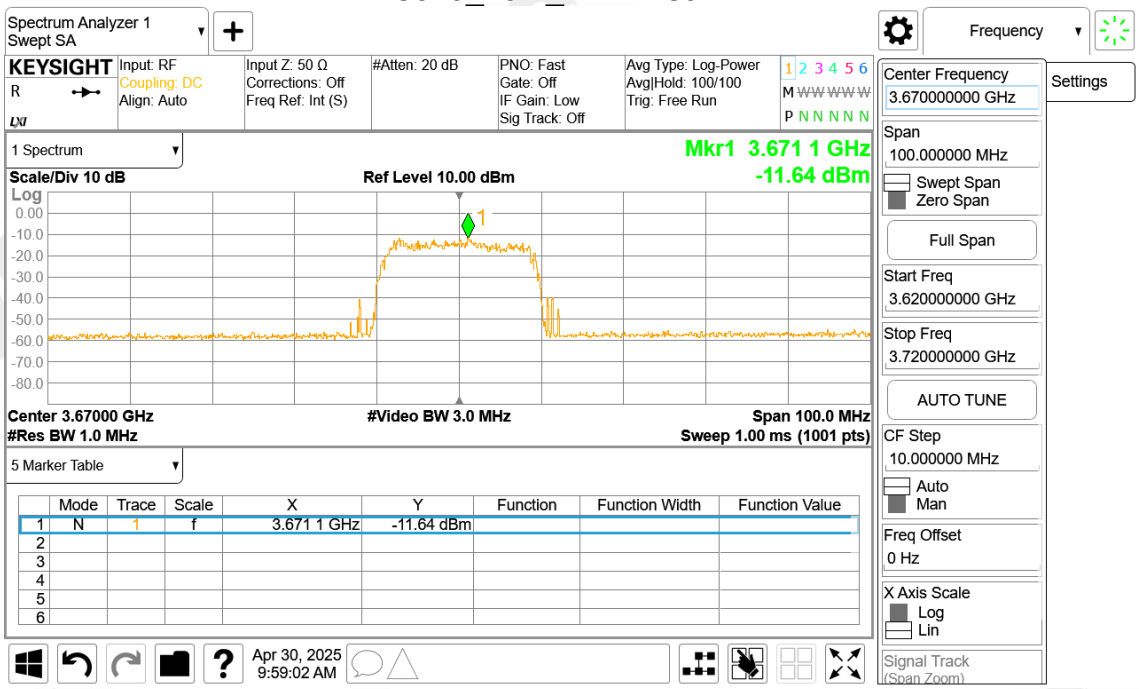
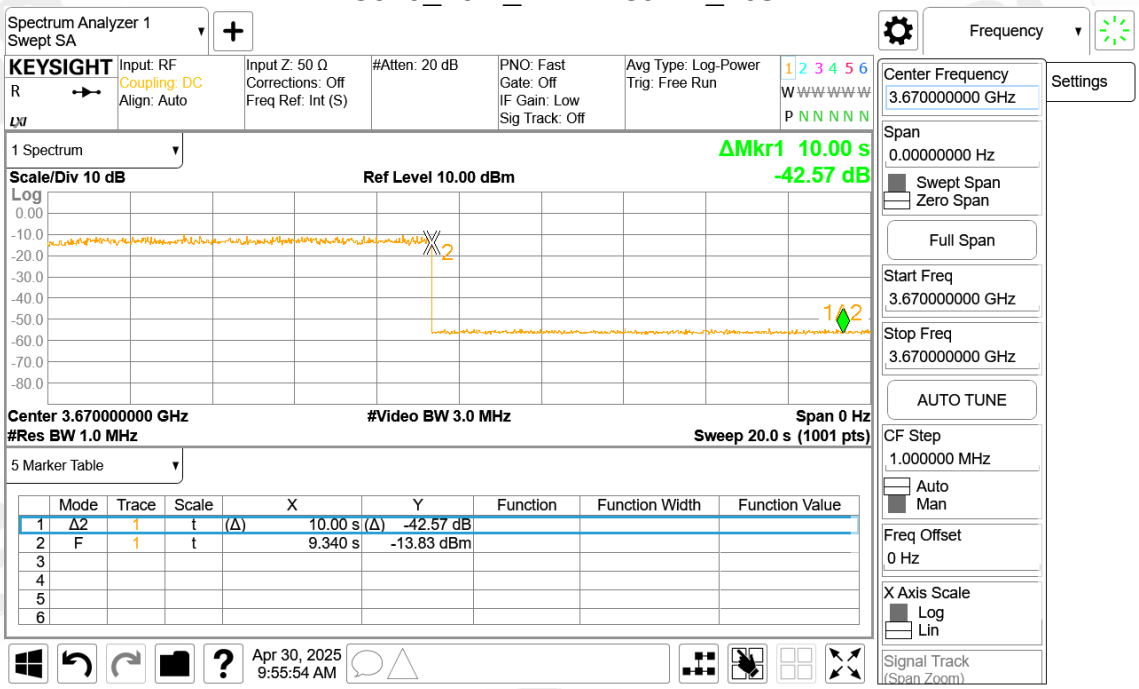
3670_20M_EIRP 13dBm



3670_20M_EIRP 13dBm_10s



~ End of Report ~

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
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