

TEST REPORT

**CTK Co., Ltd.**

(Ho-dong), 113, Yejik-ro, Cheoin-gu, Yongin-si,
Gyeonggi-do, 17142, Korea
Tel: +82-31-339-9970
Fax: +82-31-624-9501

REPORT No.:
CTK-2026-00797
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1. Applicant

- Name : ソニー株式会社
- Address : 108-0075 東京都港区港南 1-7-1
- Date of Receipt : 2026-02-09

2. Manufacturer

- Name : ソニー株式会社
- Address : 108-0075 東京都港区港南 1-7-1

3. Use of Report : For Japan MIC Certification

4. Test Sample / Model: Wireless Stereo Headset / YY3005

5. Date of Test : 2026-02-24

6. Test Standard(method) used : Article 2, Clause 1, Item 19 No. 88 appended table 43

7. Testing Environment: Temp.: (23 ± 1) °C, Humidity: (56 ± 3) % R.H.

8. Test Results : Compliance

9. Location of Test : ☒ Permanent Testing Lab ☐ On Site Testing

(Address : (Unhak-Dong) 5, Dongbu-ro 221beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, Korea)

The results shown in this test report refer only to the sample(s) tested unless otherwise stated.
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Approval	Tested by	Technical Manager
	Ji-Hye, Kim: (Signature) 	Young-taek Lee: (Signature) 

2026-03-23

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REPORT REVISION HISTORY

Date	Revision	Page No
2026-03-23	Issued (CTK-2026-00797)	all

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1. General Product Description

1.1 Applicant Information

Company	ソニー株式会社
Contact Point	108-0075 東京都港区港南1-7-1
Contact Person	Name : Takeshi Kobayashi E-mail : shes-qa-cs-vsqa-pc1_pses@sony.com Tel : +81-50-3750-0068 Fax : -

1.2 Product Information

Product Description	Wireless Stereo Headset
Model name	YY3005
Antenna type	PCB Antenna
Antenna gain	Peak Gain : 2.68 dBi
Operating Frequency	1 Mbps : 2 402 MHz - 2 480 MHz 2 Mbps : 2 404 MHz - 2 478 MHz
Number of channels	1 Mbps : 40 2 Mbps : 37
Channel Spacing	2 MHz
Type of Modulation	GFSK
Power Source	DC 3.85 V (Battery)

1.3 Peripheral Devices

Device	Manufacturer	Model No.	Serial No.
Note Computer	Samsung Electronics Co Ltd	NT750XDA-X71AS	KP6L99YT2000QAM
AC/DC Adapter	SOLUM VINA COMPANY LIMITED	EP-TA865 R01	-

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2. Accreditations

2.1 Laboratory Accreditations and Listings

Country	Agency	Registration Number
USA	FCC	805871
CANADA	ISED	CN : 8737A CAB ID : KR0025
KOREA	NRRA	KR0025

2.2 Calibration Details of Equipment Used for Measurement

Test equipment and test accessories are calibrated on regular basis. The maximum time between calibrations is one year or what is recommended by the manufacturer, whichever is less. All test equipment calibrations are traceable to the Korea Research Institute of Standards and Science (KRISS), therefore, all test data recorded in this report is traceable to KRISS.

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2.3 Measurement equipment list

	Name of Equipment	Manufacturer	Model No.	Serial No.	Cal. Authority	Cal. Method	Cal Date	Due Date
1	Signal Analyzer	Agilent	N9020A	MY49101016	SICT Co., Ltd.	(c)	2025-09-18	2026-09-18
2	DC Power Supply	HP	E3632A	KR75301278	SICT Co., Ltd.	(c)	2025-07-04	2026-07-04
3	Signal Generator	Rohde & Schwarz	SMB100A	175528	SICT Co., Ltd.	(c)	2025-03-21 2026-03-12	2026-03-21 2027-03-12
4	Wide Bandwidth Sensor	Anritsu	MA2491A	0845498	SICT Co., Ltd.	(c)	2025-09-18	2026-09-18
5	Power Meter	Anritsu	ML2488B	0924006	SICT Co., Ltd.	(c)	2025-09-18	2026-09-18

Note : Cal. Method

- a) Calibration conducted by the National Institute of Information and Communications Technology ~ NICT ~ or a designated calibration agency under Article 102-18 paragraph (1) ~ Telecom Engineering Center, Intertek Japan K.K., Keysight Technologies, Inc ~.
- b) Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992) ~ Japan Calibration Service System ~
- 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) ~ Telecom Engineering Center, Intertek Japan K.K., Keysight Technologies, Inc ~.
- d) Calibration conducted by using other equipment that listed above from a) to c)

2.4 Measurement Uncertainty

The value of the measurement uncertainty for the measurement of each parameter.
Coverage factor $k = 2$, Confidence levels of 95 %

Description	Uncertainty
Conducted RF Output Power	1.5 dB (C.L.: Approx. 95 %, $k = 2$)
Spurious emissions(Conducted)	1.5 dB (C.L.: Approx. 95 %, $k = 2$)
Temperature	1 °C (C.L.: Approx. 95 %, $k = 2$)
Humidity	3 % (C.L.: Approx. 95 %, $k = 2$)

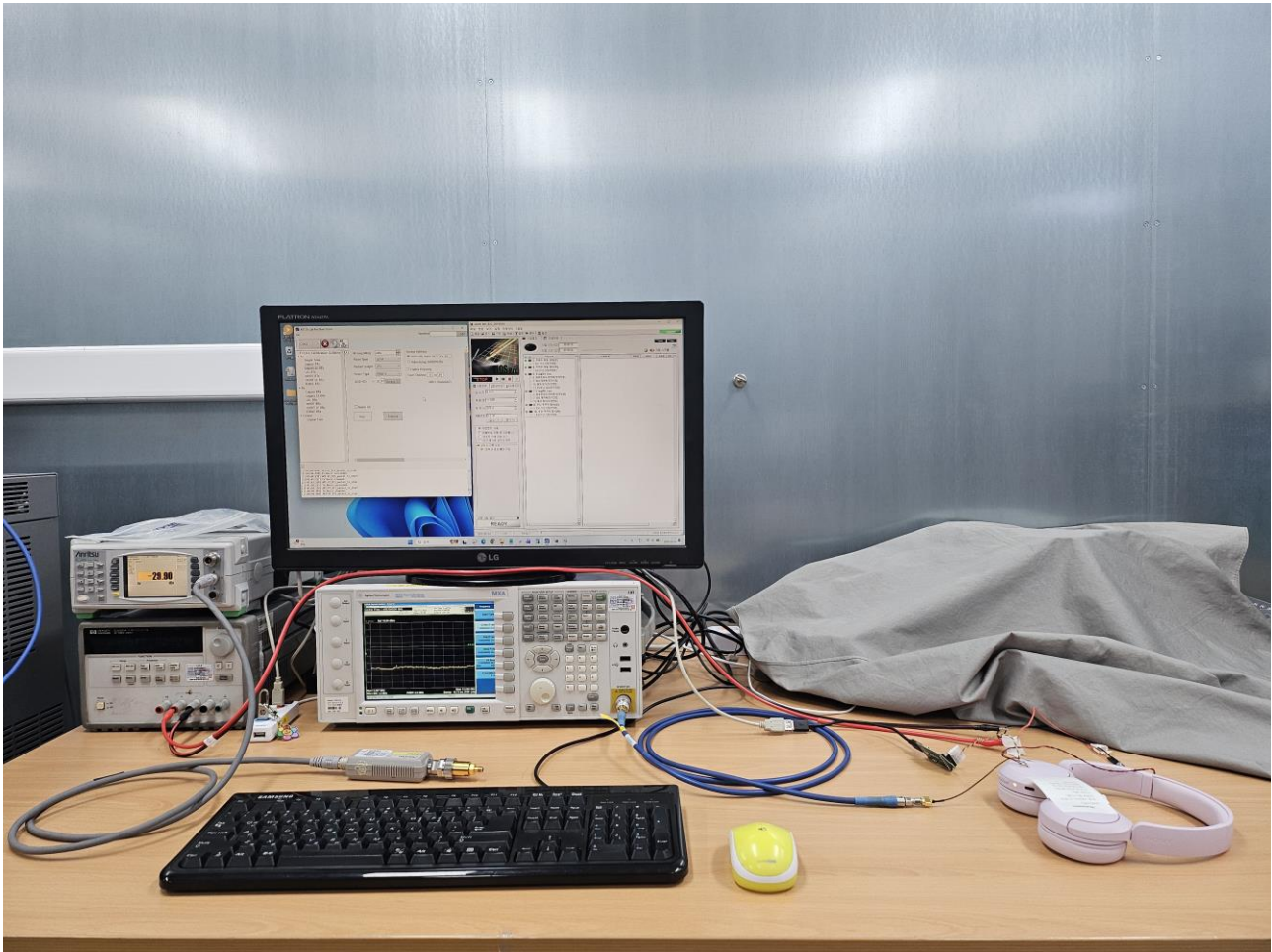


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2.5 Test Setup photo



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3. Test Results

3.1 1 Mbps

Declaration Output Power	4.50	mW
	6.53	dBm
E.I.R.P.	9.21	dBm

Transmission Time	ON TIME	2.15	ms
	OFF TIME	0.35	ms
	Ratio	0.86	-

Channel Number		Ch.	0	39		
Measurement Frequency		MHz	2 402	2 480	Result	Limit
Frequency Measurements		MHz	2401.993761	2479.993398	PASS	-
Frequency Tolerance		ppm	-2.59742	-2.66210	PASS	±50×10 ⁻⁶ (50ppm)
Occupied Bandwidth		MHz	1.25	1.25	PASS	26MHz or below
RF Output Power		mW	2.988832	3.079651	PASS	10mW or below
RF Output Power Tolerance		%	-33.581504	-31.563304	PASS	Up to +20%
Unwanted (Spurious) Emissions	30 to 2387MHz	uW/MHz	0.002679	0.002489	PASS	2.5uW/MHz or below
		MHz	2377.600	2311.600	-	-
	2387 to 2400MHz	uW/MHz	0.731139	0.002213	PASS	25uW/MHz or below
		MHz	2399.990	2395.190	-	-
	2483.5 to 2496.5MHz	uW/MHz	0.001762	0.013614	PASS	25uW/MHz or below
		MHz	2484.670	2483.680	-	-
	2496.5 to 12500MHz	uW/MHz	0.004571	0.004169	PASS	2.5uW/MHz or below
		MHz	4807.000	4957.000	-	-
Receiver Spurious Emissions	30 to 1000MHz	nW	0.014028	0.013740	PASS	4nW or below
		MHz	198.780	993.210	-	-
	1000 to 10000MHz	nW	0.257632	0.311889	PASS	20nW or below
		MHz	5770.000	5788.000	-	-
	10000 to 12500MHz	nW	0.230144	0.237137	PASS	20nW or below
		MHz	12447.500	12057.500	-	-
Interference Prevention Function (Identification code transmission/reception)			Good		PASS	-

Note : Output Power = Power meter power (mW) / Duty cycle

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3.2 2 Mbps

Declaration Output Power	4.50	mW
	6.53	dBm
E.I.R.P.	9.21	dBm

Transmission Time	ON TIME	1.10	ms
	OFF TIME	1.41	ms
	Ratio	0.44	-

Channel Number		Ch.	1	38		
Measurement Frequency		MHz	2 404	2 478	Result	Limit
Frequency Measurements		MHz	2403.993867	2477.993015	PASS	-
Frequency Tolerance		ppm	-2.55116	-2.81881	PASS	±50×10 ⁻⁶ (50ppm)
Occupied Bandwidth		MHz	2.17	2.17	PASS	26MHz or below
RF Output Power		mW	2.954931	3.144469	PASS	10mW or below
RF Output Power Tolerance		%	-34.334870	-30.122910	PASS	Up to +20%
Unwanted (Spurious) Emissions	30 to 2387MHz	uW/MHz	0.002600	0.002570	PASS	2.5uW/MHz or below
		MHz	2342.200	2146.600	-	-
	2387 to 2400MHz	uW/MHz	0.013366	0.001758	PASS	25uW/MHz or below
		MHz	2399.880	2391.910	-	-
	2483.5 to 2496.5MHz	uW/MHz	0.001687	0.011092	PASS	25uW/MHz or below
		MHz	2484.050	2484.030	-	-
	2496.5 to 12500MHz	uW/MHz	0.002844	0.004325	PASS	2.5uW/MHz or below
		MHz	4807.000	4957.000	-	-
Receiver Spurious Emissions	30 to 1000MHz	nW	0.013490	0.013335	PASS	4nW or below
		MHz	915.610	938.890	-	-
	1000 to 10000MHz	nW	0.480839	0.248886	PASS	20nW or below
		MHz	5788.000	6436.000	-	-
	10000 to 12500MHz	nW	0.219786	0.203236	PASS	20nW or below
		MHz	12380.000	11965.000	-	-
Interference Prevention Function (Identification code transmission/reception)			Good		PASS	-

Note : Output Power = Power meter power (mW) / Duty cycle



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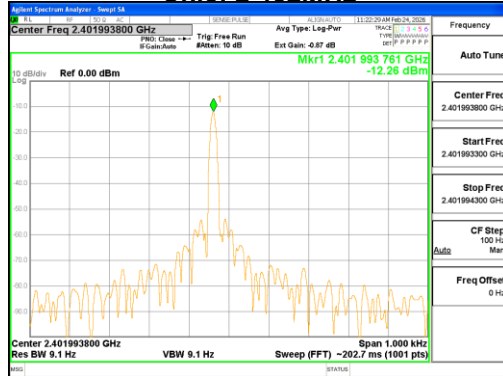
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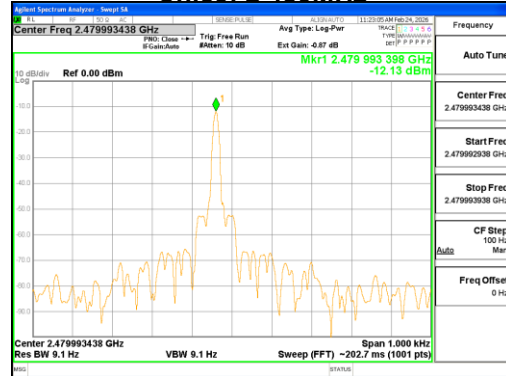
APPENDIX A – 1 Mbps

Frequency tolerance

Ch.0: 2.402MHz

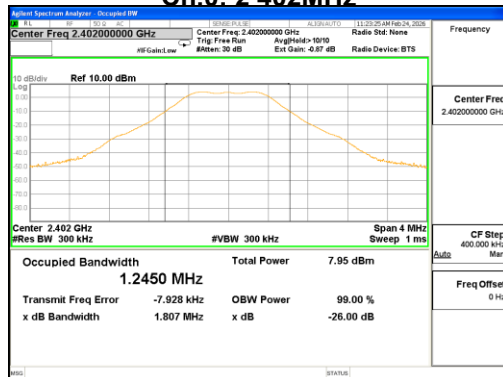


Ch.39: 2.480MHz

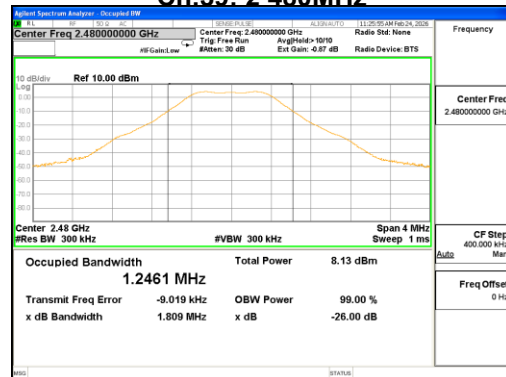


Occupied bandwidth

Ch.0: 2.402MHz



Ch.39: 2.480MHz





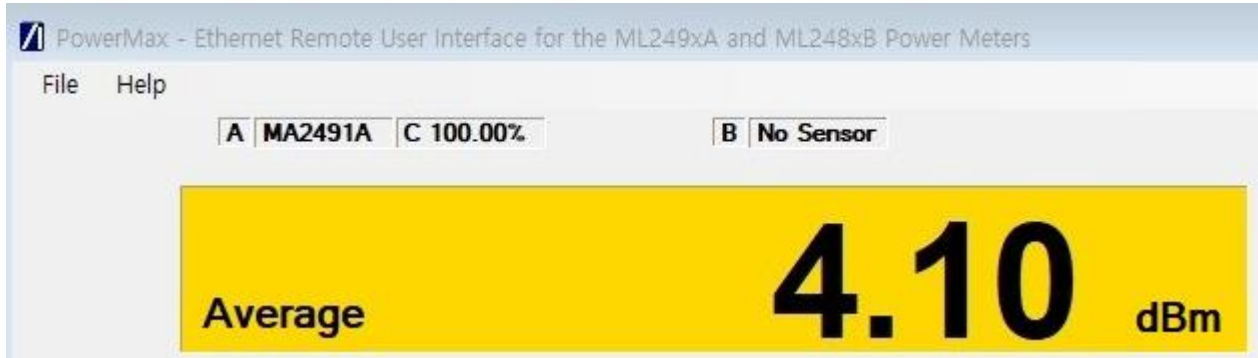
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RF output power

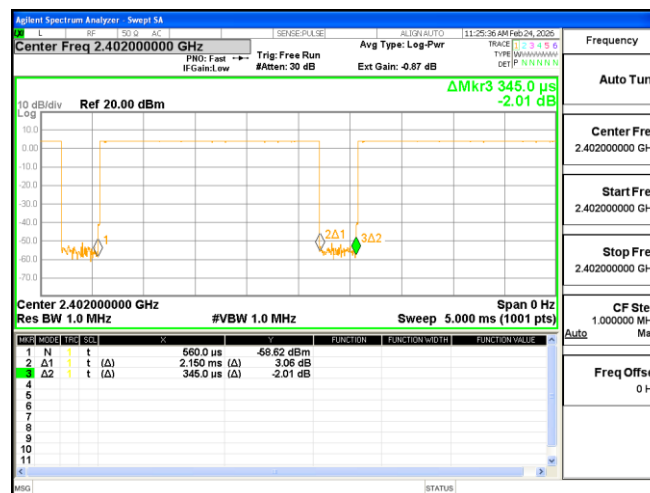
Ch.0: 2 402MHz



Ch.39: 2 480MHz



ON/OFF time





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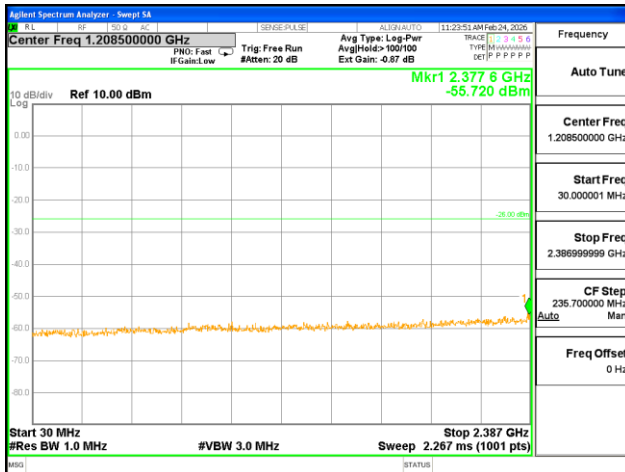
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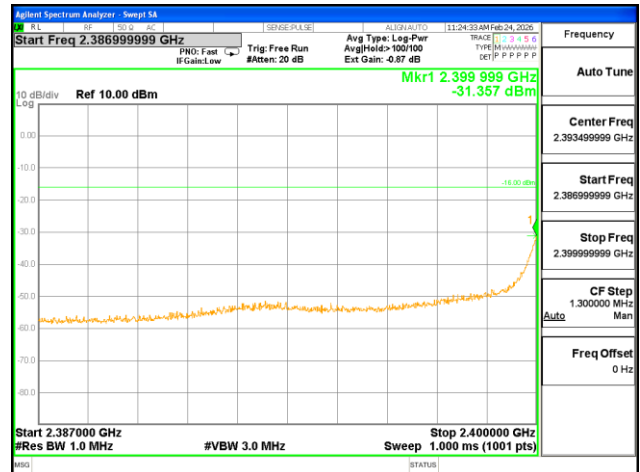
Unwanted(Spurious) emission

Ch.0: 2 402MHz

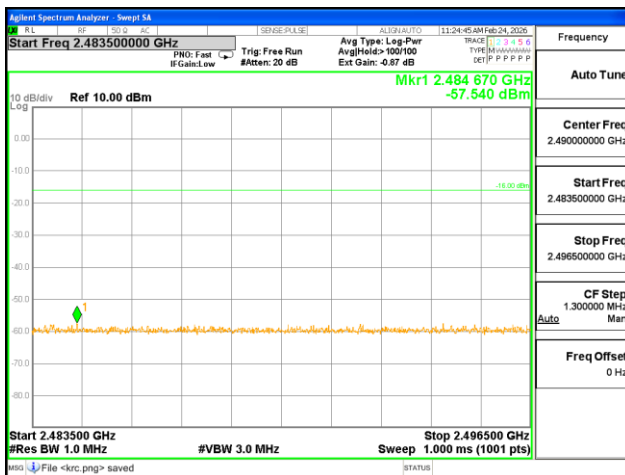
30MHz-2 387MHz



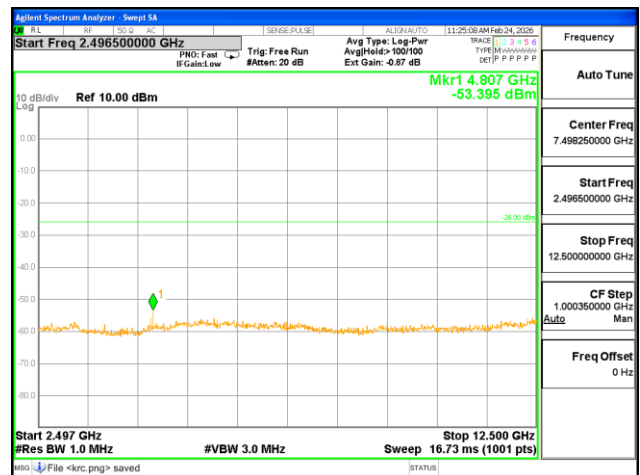
2 387MHz-2 400MHz



2 483.5MHz-2 496.5MHz



2 496.5MHz-12 500MHz





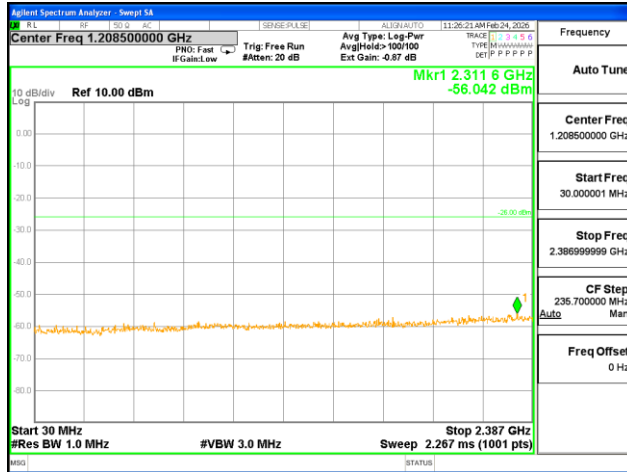
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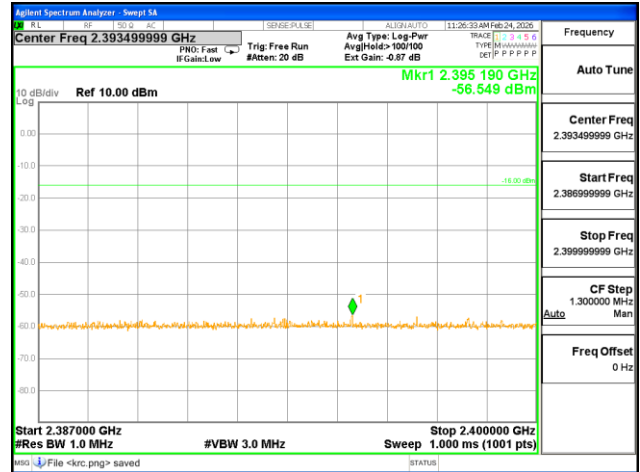
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Ch.39: 2 480MHz

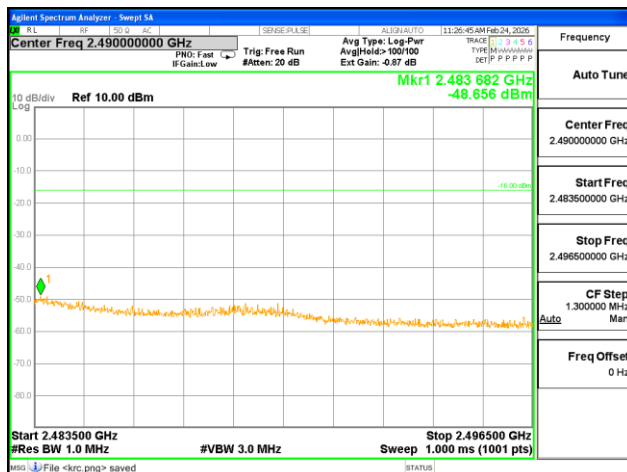
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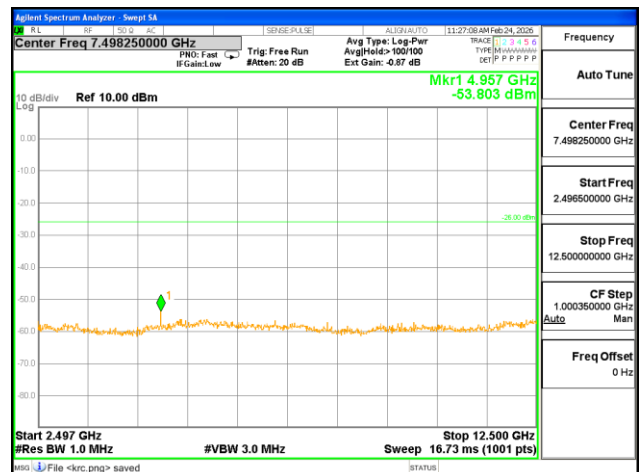
2 387MHz–2 400MHz



2 483.5MHz-2 496.5MHz



2 496.5MHz-12 500MHz





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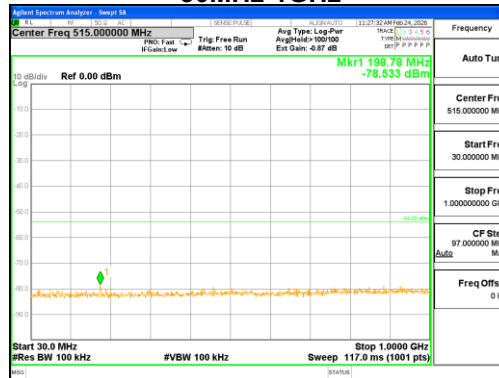
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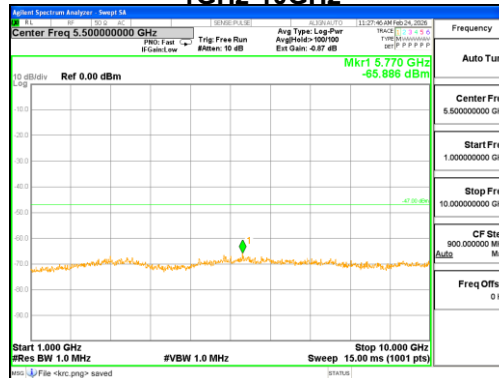
Receiver Spurious Emission

Ch.0: 2 402MHz

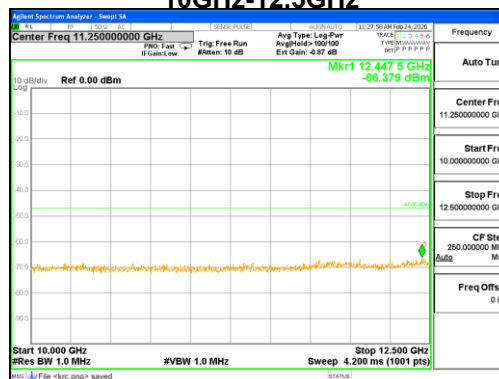
30MHz-1GHz



1GHz-10GHz



10GHz-12.5GHz



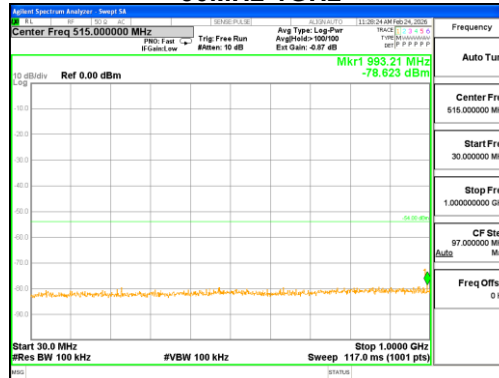


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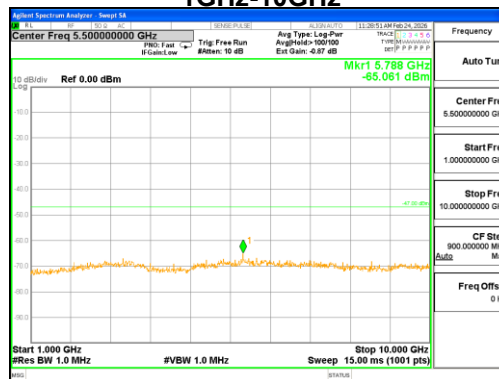
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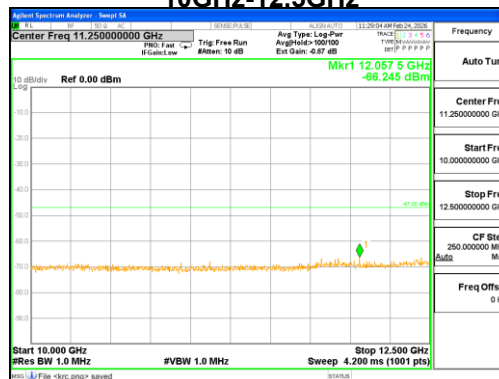
Ch.39: 2 480MHz 30MHz-1GHz



1GHz-10GHz



10GHz-12.5GHz





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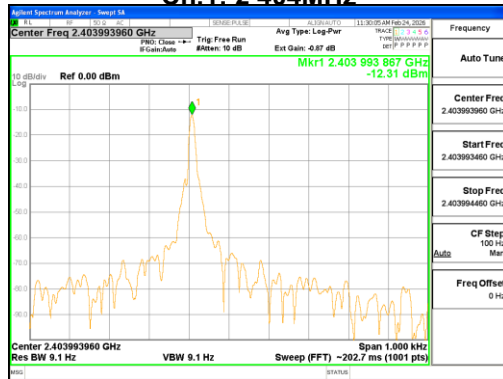
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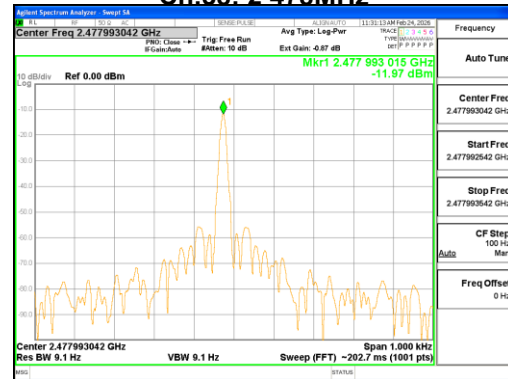
APPENDIX B – 2 Mbps

Frequency tolerance

Ch.1: 2 404MHz

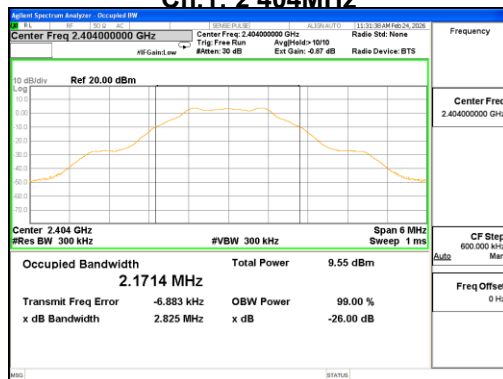


Ch.38: 2 478MHz

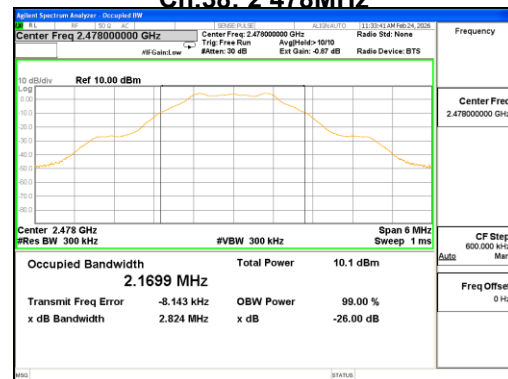


Occupied bandwidth

Ch.1: 2 404MHz



Ch.38: 2 478MHz





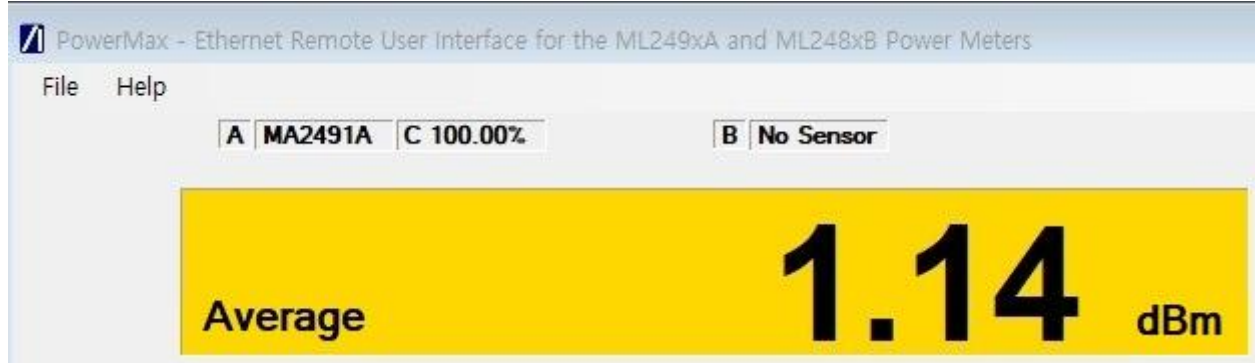
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RF output power

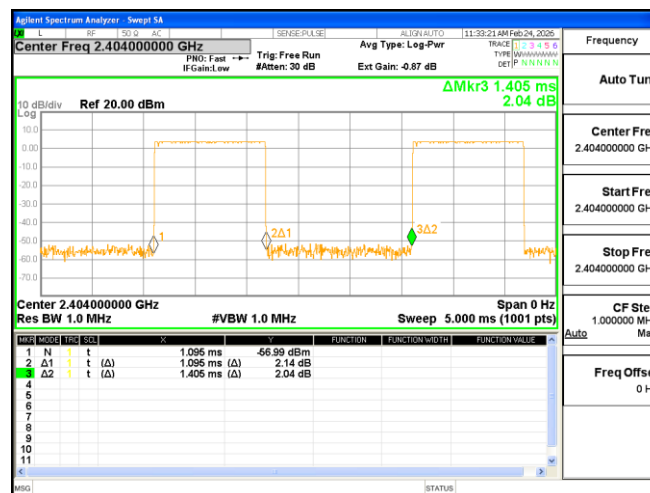
Ch.1: 2 404MHz



Ch.38: 2 478MHz



ON/OFF time





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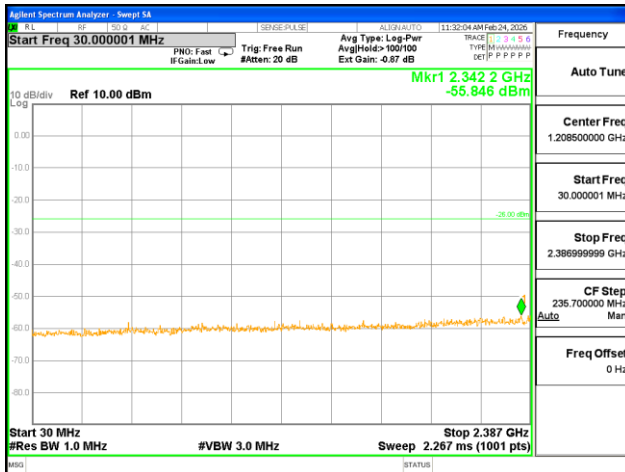
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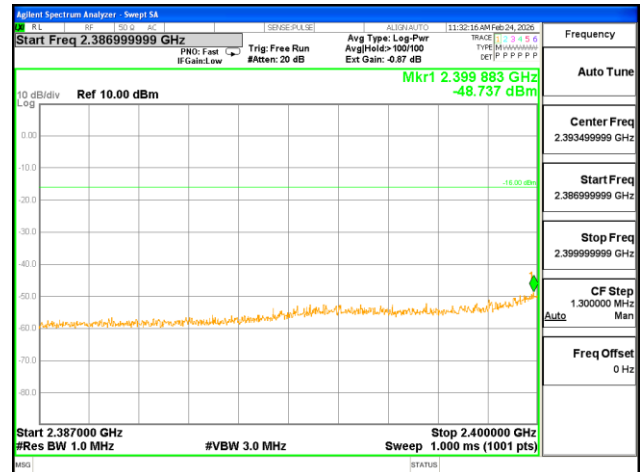
Unwanted(Spurious) emission

Ch.1: 2 404MHz

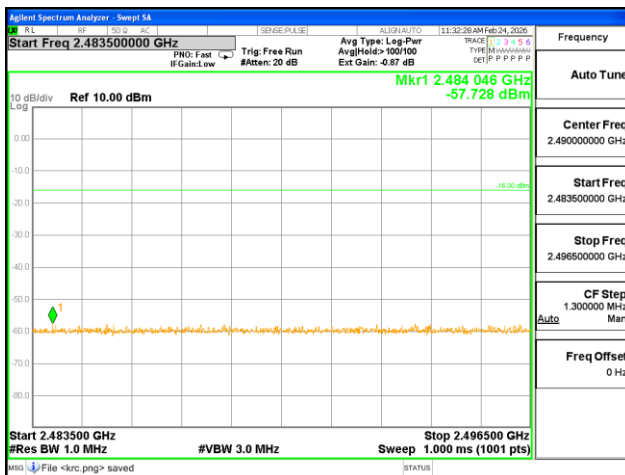
30MHz-2 387MHz



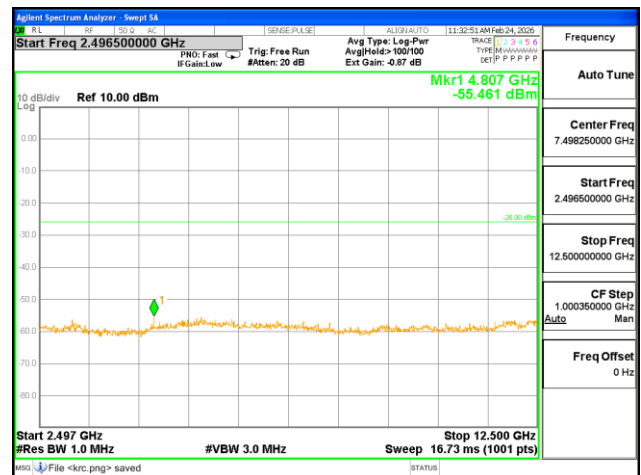
2 387MHz-2 400MHz



2 483.5MHz-2 496.5MHz



2 496.5MHz-12 500MHz





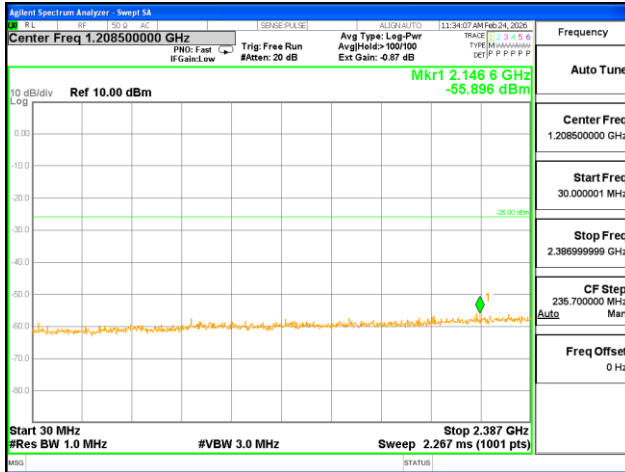
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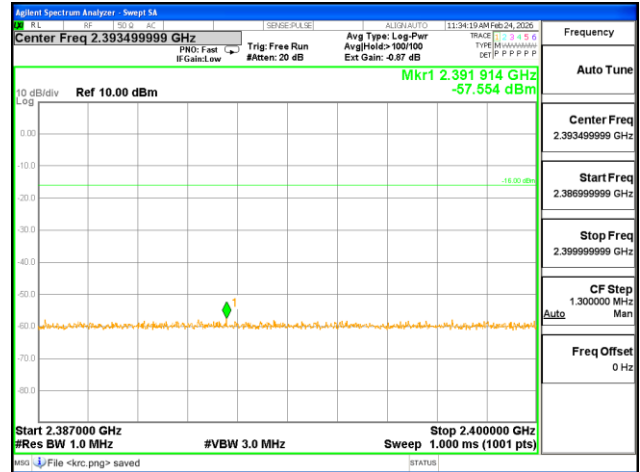
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Ch.38: 2 478MHz

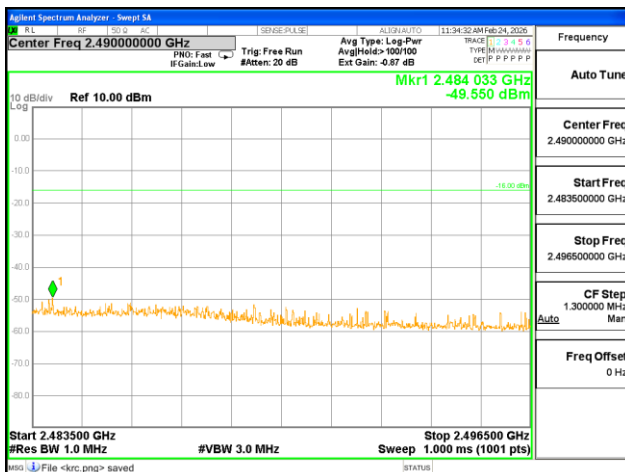
30MHz–2 387MHz



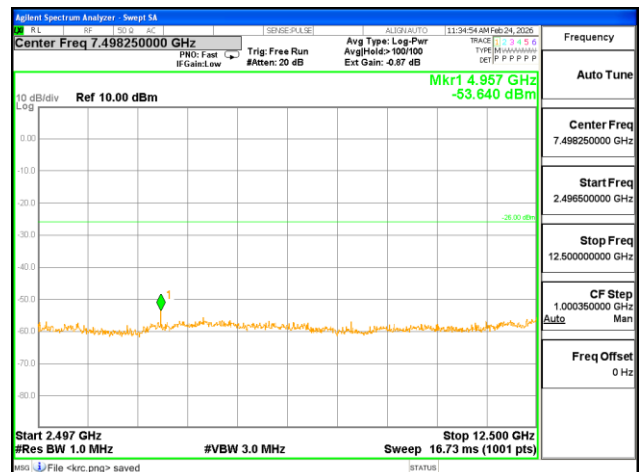
2 387MHz–2 400MHz



2 483.5MHz-2 496.5MHz



2 496.5MHz-12 500MHz





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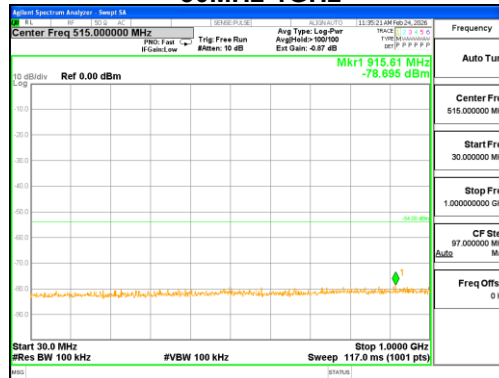
(Ho-dong), 113, Yejik-ro, Cheoin-gu, Yongin-si,
Gyeonggi-do, 17142, Korea
Tel: +82-31-339-9970
Fax: +82-31-624-9501

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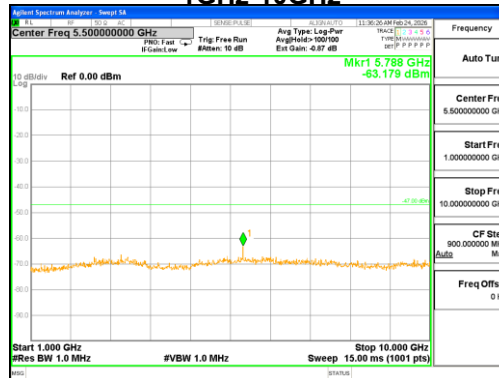
Receiver Spurious Emission

Ch.1: 2 404MHz

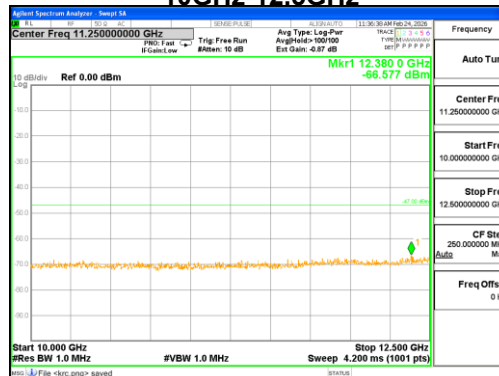
30MHz-1GHz



1GHz-10GHz



10GHz-12.5GHz



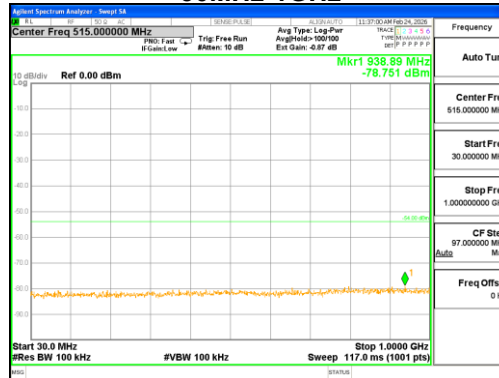


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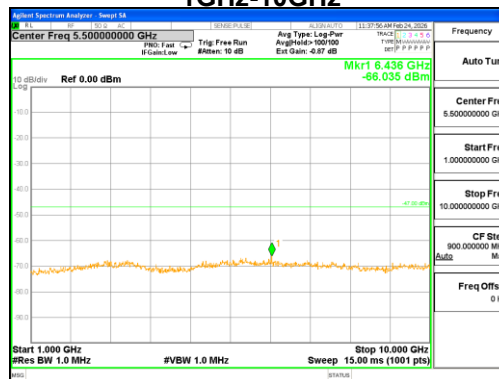
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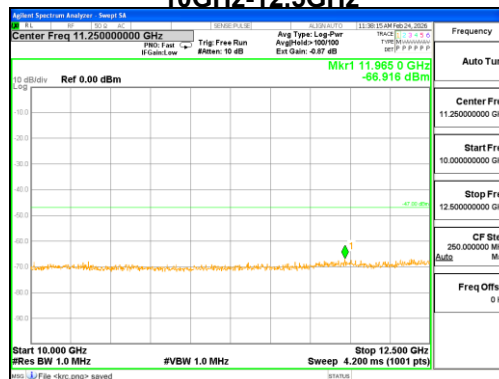
Ch.38: 2 478MHz 30MHz-1GHz



1GHz-10GHz



10GHz-12.5GHz



-END-