

Japan Test Report

Report No: WD-RJ-R-250137-A0

Product Name : Consumer Tablet
Model Name : DC1
Applicant : Daylight Computer Co.
Received Date : Apr. 14, 2025
Tested Date : Apr. 18, 2025 ~ May 19, 2025
Applicable Standard : MIC notice 88 Appendix 43 Article 2 Paragraph 1 of Item 19



W Wendell Industrial Co., Ltd
Wendell EMC & RF Laboratory

Caution:

This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted.

The test results shown in the test report are traceable to the national/international standard through the calibration report of the equipment.

Please note that the measurement uncertainty are provided for informational purpose only and are not used in determining the Pass/Fail results.

This report must not be used to claim product endorsement by TAF or any agency of the government.

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Test Report

Issued Date: May 20, 2025

Project No.: 25Q041102

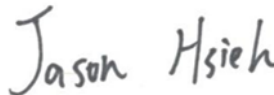
Product Name	Consumer Tablet
Trade Name	Daylight Computer Co.
Model Name	DC1
Applicant	Daylight Computer Co.
Manufacturer	Daylight Computer Co.
EUT Rated Voltage	5Vdc/3A or 9Vdc/3A or 12Vdc/2.5A
EUT Test Voltage	AC 100V / 50Hz
EUT Supports Radios Application	WLAN 802.11a/b/g WLAN 802.11n (HT20/HT40) WLAN 802.11ac(VHT20/40/80) and ax(HE20/40/80) Bluetooth BR/EDR/LE
Applicable Standard	MIC notice 88 Appendix 43 Article 2 Paragraph 1 of Item 19
Test Result	Complied

Documented :



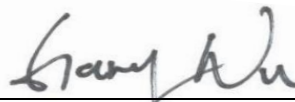
(Specialist / Emma Lu)

Technical Engineer :



(Assistant Section Manager / Jason Hsieh)

Approved :



(Project Manager / Gary Wu)

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Document Revision History

Report No.	Issue date	Description
WD-RJ-R-250137-A0	May 20, 2025	Initial report

Summary of Test Result

Test Items	Result
Antenna Power	Pass
Antenna Power Tolerance	Pass
Antenna Absolute Gain	Pass
EIRP	Pass
Frequency Tolerance	Pass
Unwanted Emission Strength	Pass
Occupied Bandwidth	Pass
Dwell Time	Pass
Secondary Radiated Emission Strength	Pass
Interference Prevention Function	Pass

1 Generation Information

1.1 Applicant

Daylight Computer Co.
4431 Caren St., Fremont, CA 94538 USA

1.2 Manufacturer

Daylight Computer Co.
4431 Caren St., Fremont, CA 94538 USA

1.3 Description of Equipment under Test

Product Name	Consumer Tablet
Model No.	DC1
HW Version	R004
FW Version	1177
MAC Address	00:90:07:85:25:43
Frequency Range	2402 ~ 2480MHz
Modulation Technology	FHSS
Transfer Rate	Up to 3Mbps
Number of Channels	☒ Normal Operation: 79 ☐ AFH Operation: 20
Type of Modulation	BR: GFSK(1Mbps), EDR: $\pi/4$ DQPSK(2Mbps) 、 8DPSK(3Mbps)
Antenna Information	Refer to the table “Antenna List”
Declared Antenna Power	Normal Operation (1Mbps) : 1.00 mW/MHz Normal Operation (2Mbps) : 1.00 mW/MHz Normal Operation (3Mbps) : 1.00 mW/MHz AFH Operation (1Mbps) : 1.10 mW/MHz AFH Operation (2Mbps) : 1.00 mW/MHz AFH Operation (3Mbps) : 1.10 mW/MHz
Accessories	1. Product : STANDARD MR05 STYLUS PEN WHITE FOR TJG01 Trade : WACOM Model : CP-913E-01B-2 2. Product : FELT NIB PEN REFILLS BLACK FOR TJG01 Trade : WACOM Model : PSI-A265 3. Product : USB Cable Trade : Walta Electronic Co. Ltd Model : U10-W101-00001

1.4 Antenna List

No.	Manufacturer	Model No.	Antenna Type	Peak Gain
1	Innocomm	Jagar	PIFA Antenna	2.6 dBi for 2.4GHz

1.5 Channel List

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
00	*2402	20	2422	40	2442	60	2462
01	2403	21	2423	41	2443	61	2463
02	2404	22	2424	42	2444	62	2464
03	2405	23	2425	43	2445	63	2465
04	2406	24	2426	44	2446	64	2466
05	2407	25	2427	45	2447	65	2467
06	2408	26	2428	46	2448	66	2468
07	2409	27	2429	47	2449	67	2469
08	2410	28	2430	48	2450	68	2470
09	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	77	2479
18	2420	38	2440	58	2460	78	*2480
19	2421	39	2441	59	2461	--	--

Note : Frequency remarked * are selected to perform test.

1.6 Use Cable Loss

Frequency (MHz)	Cable Loss (dBm)
30 ~ 1000	0.37
1000 ~ 2400	0.52
2400 ~ 2500	0.56
2500 ~ 12500	2.92
12500 ~ 26000	8.63

Note : Cable Loss = Signal Generation Output Value - Power Meter Reading Value.

1.7 Test Software and Test Mode

(1) Parameters of test software setting

The RF Antenna power selection is for the setting of RF Antenna power expected by the customer and is going to be fixed on the firmware of the final end product.

Normal Mode :

Test Software	CMD Ver. 10.0.22621.1992		
Type of Modulation	Channel	Frequency (MHz)	Set Value
GFSK	00	2402	7.0
	78	2480	7.0
$\pi/4$ DQPSK	00	2402	7.0
	78	2480	7.0
8DPSK	00	2402	7.0
	78	2480	7.0

AFH Mode :

Test Software	CMD Ver. 10.0.22621.1992		
Type of Modulation	Channel	Frequency (MHz)	Set Value
GFSK	30	2432	7.0
	49	2451	7.0
$\pi/4$ DQPSK	30	2432	7.0
	49	2451	7.0
8DPSK	30	2432	7.0
	49	2451	7.0

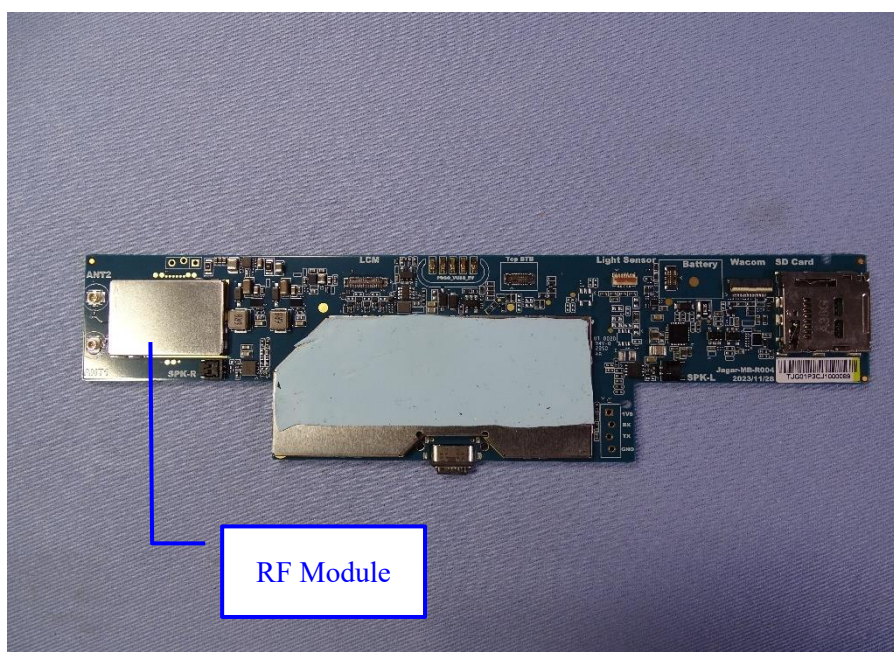
Note : AFH function only tested occupied bandwidth, spreading bandwidth and antenna power.

(2) Test Mode

Mode 1 : Transmit - Normal - 1Mbps
Mode 2 : Transmit - Normal - 2Mbps
Mode 3 : Transmit - Normal - 3Mbps
Mode 4 : Transmit - AFH - 1Mbps
Mode 5 : Transmit - AFH - 2Mbps
Mode 6 : Transmit - AFH - 3Mbps
Mode 7 : Receiver - Normal - 1Mbps
Mode 8 : Receiver - Normal - 2Mbps
Mode 9 : Receiver - Normal - 3Mbps

1.8 RF and IF section must be tamper requirement

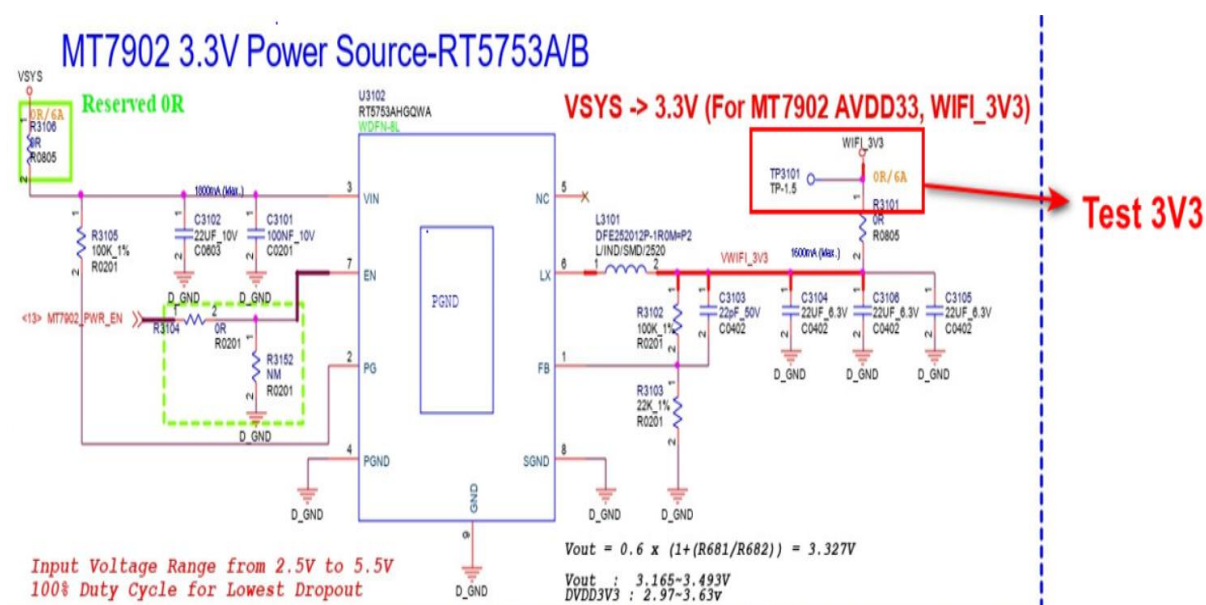
Requirement	Comments	Result
RF, IF and Modulation section must be tamper	☒ Use Shielding case ☐ Use Unique screw ☐ Use By ultrasonic ☐ Use Adhesive ☐ Use Ball Grid Array (BGA)	Complied
	☐ RF module/Chip pin >20, Chip pins distance <1.5mm	--



1.9 Voltage Change

Input Voltage (V)		Measured Result (V)	Difference (%)	Limit (%)	Result
Low	4.5	3.337	0.12	$\leq \pm 1$	Complied
Normal	5.0	3.341	--	--	--
High	5.5	3.342	-0.03	$\leq \pm 1$	Complied

Note : When EUT be operated at $\pm 10\%$ from the normal supply voltage, the supply voltage of RF part was varied within $\pm 1\%$. All test cases were done under the normal supply voltage.



1.10 Test Facility

Items	Required (JIS Z8703)	Actual
Temperature (°C)	20 、 23 、 25	25
Humidity (% RH)	50 、 65	65
Barometric pressure (mbar)	860 ~ 1060	950 ~ 1010

Description: Accredited by TAF

Accredited Number: 2965

Issued by: Wendell Industrial Co., Ltd

Company Address: 6F/6F-1, No.188, Baoqiao Rd., Xindian Dist.,
New Taipei City 23145, Taiwan R.O.C

Test Lab: Wendell EMC & RF Laboratory

Lab Address: 5F-1, No.188, Baoqiao Rd., Xindian Dist.,
New Taipei City 23145, Taiwan R.O.C

Test Location: No. 119, Wugong 3rd Rd., Wugu Dist.,
New Taipei City 248, Taiwan (R.O.C.)

1.11 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)

Measurement Project	Expanded Uncertainty
Unwanted Emission Strength Measurement	± 1.4 dB
RF Power, Conducted	± 1.3 dB
Occupied Bandwidth	± 2.4 %
Power Density	± 1.2 dB
Duty Cycle	± 0.9 %
Frequency Stability	± 0.068 ppm
DC Power Supply	± 2.1 %
Temperature	± 0.58 °C
Humidity	± 3.3 %

Note: Please note that the measurement uncertainty are provided for informational purpose only and are not used in determining the Pass/Fail results.

1.12 List of Test Equipment

For Conducted measurements / RF Conducted Measurement Room

Equipment	Manufacturer	Model No.	Serial No.	Calibration Date	Due Date	Calibration Body	Calibration Method
Spectrum analyzer	Keysight	N9010A	SG50420005	2024/08/09	2025/08/08	ETC	(c)
Power Divider	MVE	MVE8546	170826003	2024/08/10	2026/08/09	ETC	(c)
Power Splitter	MVE	MVE8547	170302047	2024/08/08	2026/08/07	ETC	(c)
DC Power Supply	GW INSTEK	GPC-3060D	GER817636	2024/08/05	2025/08/04	ETC	(c)
Multimeter	UNI-T	UT61E+	C242358437	2024/09/23	2025/09/22	TAI YI	(c)

Remark:

1. All equipments are calibrated every one year.
2. (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 agency under Article 102-18 paragraph (1).
 - (d) Calibration conducted by using other equipment that listed above from a) to c).

1.13 EMI Reduction Method During Compliance Testing

No modification was made during testing.

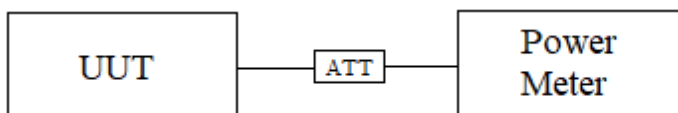
2 Test Result

2.1 Antenna Power & Antenna Power Tolerance

2.1.1 Limit

Item	Limit
Antenna Power	$\leq 3\text{mW/MHz}$; FHSS (Compound method with DSSS or OFDM) $\leq 10\text{mW/MHz}$; DSSS, OFDM ($\text{OBW} \leq 26 \text{ MHz}$) $\leq 5\text{mW/MHz}$; OFDM ($\text{OBW} = 26 - 40 \text{ MHz}$) $\leq 10\text{mW}$; Other Digital methods
Antenna Power Tolerance	+ 20%
EIRP	$\leq 6.91 - 16.91 \text{ dBm/MHz}$; FHSS (Compound method with DSSS or OFDM) $\leq 12.14 - 22.14 \text{ dBm/MHz}$; DSSS, OFDM ($\text{OBW} \leq 26 \text{ MHz}$) $\leq 9.13 - 19.13 \text{ dBm/MHz}$; OFDM ($\text{OBW} = 26 - 40 \text{ MHz}$) $\leq 12.14 - 22.14 \text{ dBm}$; Other Digital methods
Antenna Absolute Gain	$\leq 12.14 \text{ dBi}$ (When an E.I.R.P. is less than a limit, the shortage shall be compensated for by the gain of the transmitting antenna.)
Note: OBW = Occupied Bandwidth.	

2.1.2 Test Setup



2.1.3 Test Procedure

Test method: According to Notification No. 88 of MIC, 2004, Annex 43(Antenna Power Tolerance)

Antenna Power Density (mW/MHz) = Total Output Power (mW) / Spread Bandwidth (MHz).

Average power sensor was used to perform output power measurement, trigger and gating function of wide band power meter is enabled to measure max output power of TX on burst. Duty factor is not added to measured value.

2.1.4 Test Result

Product : Consumer Tablet
Test Item : Antenna Power & EIRP
Test Mode : Transmit - Normal
Test Voltage : DC 5V

Date Rate (Mbps)	Frequency (MHz)	Antenna Power			Limit		Result
		dBm/MHz	mW/MHz	%	mW/MHz	%	
1 (GFSK)	2402	-0.040	0.99	-0.92	≤ 3	+20	Pass
	2480	-0.216	0.95	-4.85	≤ 3	+20	Pass
2 ($\pi/4$ DQPSK)	2402	-0.129	0.97	-2.93	≤ 3	+20	Pass
	2480	-0.233	0.95	-5.22	≤ 3	+20	Pass
3 (8DPSK)	2402	-0.133	0.97	-3.02	≤ 3	+20	Pass
	2480	-0.370	0.92	-8.17	≤ 3	+20	Pass

Note : Total % = (Antenna power – Declared Antenna Power) / Declared Antenna Power * 100%

Date Rate (Mbps)	Frequency (MHz)	Antenna Power		Antenna Gain (dBi)	EIRP (dBm/MHz)	EIRP Limit (dBm/MHz)	Result
		mW/MHz	dBm/MHz				
1 (GFSK)	2402	0.99	-0.04	2.60	2.56	≤ 6.91	Pass
	2480	0.95	-0.22	2.60	2.38	≤ 6.91	Pass
2 ($\pi/4$ DQPSK)	2402	0.97	-0.13	2.60	2.47	≤ 6.91	Pass
	2480	0.95	-0.23	2.60	2.37	≤ 6.91	Pass
3 (8DPSK)	2402	0.97	-0.13	2.60	2.47	≤ 6.91	Pass
	2480	0.92	-0.37	2.60	2.23	≤ 6.91	Pass

Note :

(1) Antenna Gain = Max Antenna Gain

(2) EIRP = Antenna Power + Maximum Antenna Gain

Product : Consumer Tablet
Test Item : Antenna Power & EIRP
Test Mode : Transmit - AFH
Test Voltage : DC 5V

Date Rate (Mbps)	Frequency (MHz)	Antenna Power			Limit		Result
		dBm/MHz	mW/MHz	%	mW/MHz	%	
1 (GFSK)	2432	0.152	1.04	3.56	≤ 3	+20	Pass
	2451	0.139	1.03	3.25	≤ 3	+20	Pass
2 ($\pi/4$ DQPSK)	2432	-0.021	1.00	-0.48	≤ 3	+20	Pass
	2451	-0.093	0.98	-2.12	≤ 3	+20	Pass
3 (8DPSK)	2432	0.006	1.00	0.14	≤ 3	+20	Pass
	2451	-0.051	0.99	-1.17	≤ 3	+20	Pass

Note : Total % = (Antenna power – Declared Antenna Power) / Declared Antenna Power * 100%

Date Rate (Mbps)	Frequency (MHz)	Antenna Power		Antenna Gain (dBi)	EIRP (dBm/MHz)	EIRP Limit (dBm/MHz)	Result
		mW/MHz	dBm/MHz				
1 (GFSK)	2432	1.04	0.15	2.60	2.75	≤ 6.91	Pass
	2451	1.03	0.14	2.60	2.74	≤ 6.91	Pass
2 ($\pi/4$ DQPSK)	2432	1.00	-0.02	2.60	2.58	≤ 6.91	Pass
	2451	0.98	-0.09	2.60	2.51	≤ 6.91	Pass
3 (8DPSK)	2432	1.00	0.01	2.60	2.61	≤ 6.91	Pass
	2451	0.99	-0.05	2.60	2.55	≤ 6.91	Pass

Note :

(1) Antenna Gain = Max Antenna Gain

(2) EIRP = Antenna Power + Maximum Antenna Gain

2.2 Frequency Tolerance

2.2.1 Limit

Frequency tolerance shall be ± 50 ppm.

2.2.2 Test setup



2.2.3 Test Procedure

Test method: According to Notification No. 88 of MIC, 2004, Annex 43(Frequency Tolerance)

A spectrum analyzer or similar device shall be used to observe a sample of the modulated transmitter's radio frequency power output.

- (a) A positive peak detector function must be used.
- (b) The measurement instrument bandwidth and span must be set sufficiently with, and, the scan time set sufficiently slow, to ensure all major modulation products are captured. Note that the measurement bandwidth should also be set sufficiently narrow to avoid adding significant error to the test result.
- (c) 'Maximum Hold' mode may be used to accumulate the measurement result over several scans provided the emission is repetitive in nature.

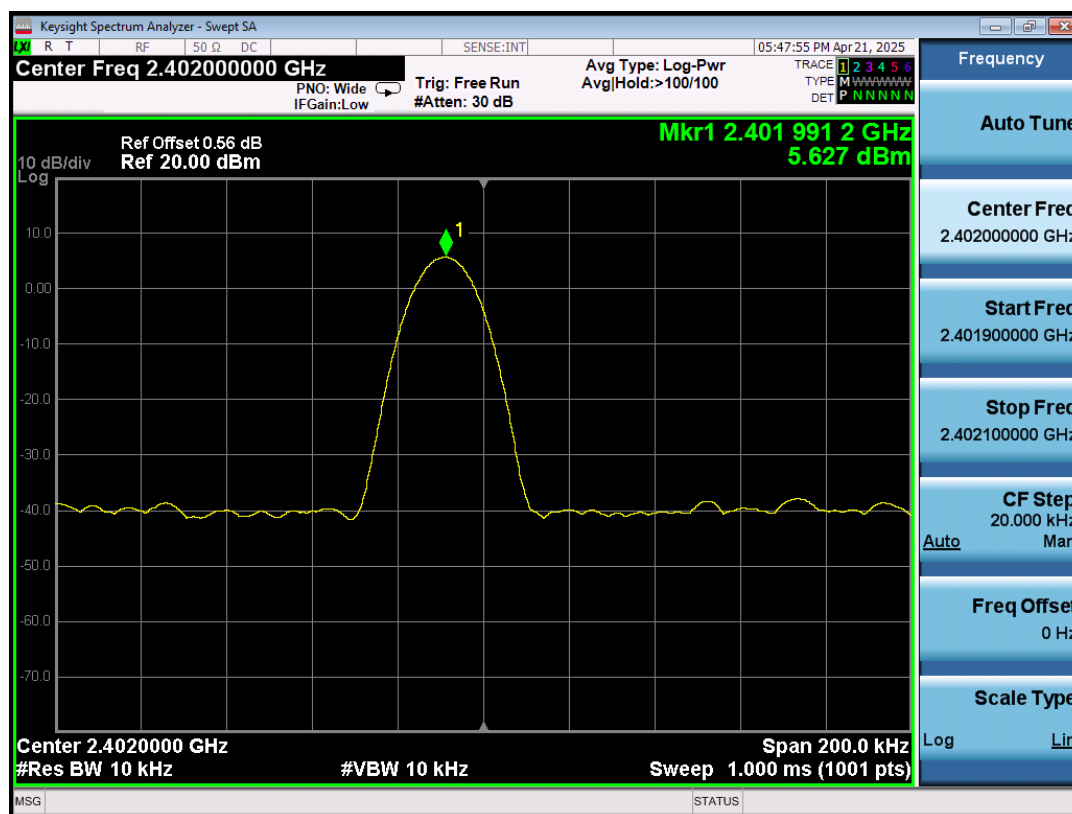
2.2.4 Test Result

Product : Consumer Tablet
Test Item : Frequency Tolerance
Test Mode : Mode 1 : Transmit - Normal - 1Mbps
Test Voltage : DC 5V

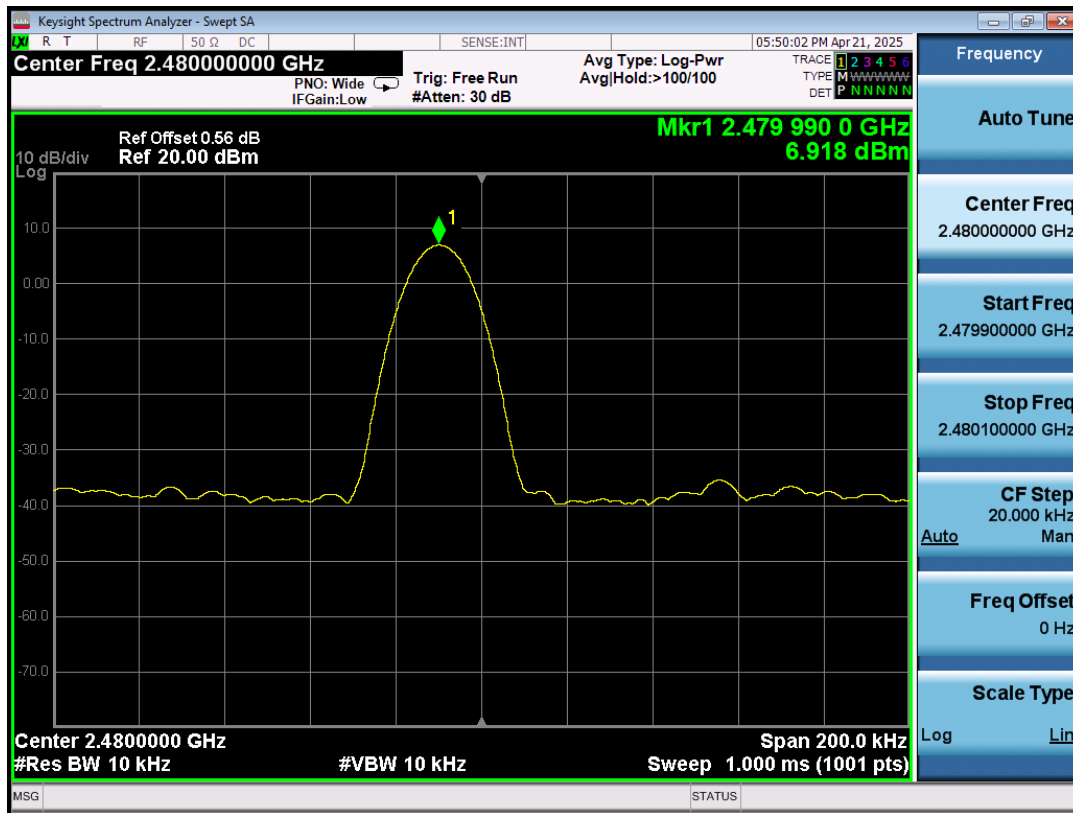
Frequency (MHz)	Reading Value (MHz)	Tolerance (ppm)	Limit (ppm)	Result
2402	2401.99120	-3.66	± 50	Pass
2480	2479.99000	-4.03	± 50	Pass

Note: The spectrum plots are attached to the following.

2402MHz



2480MHz

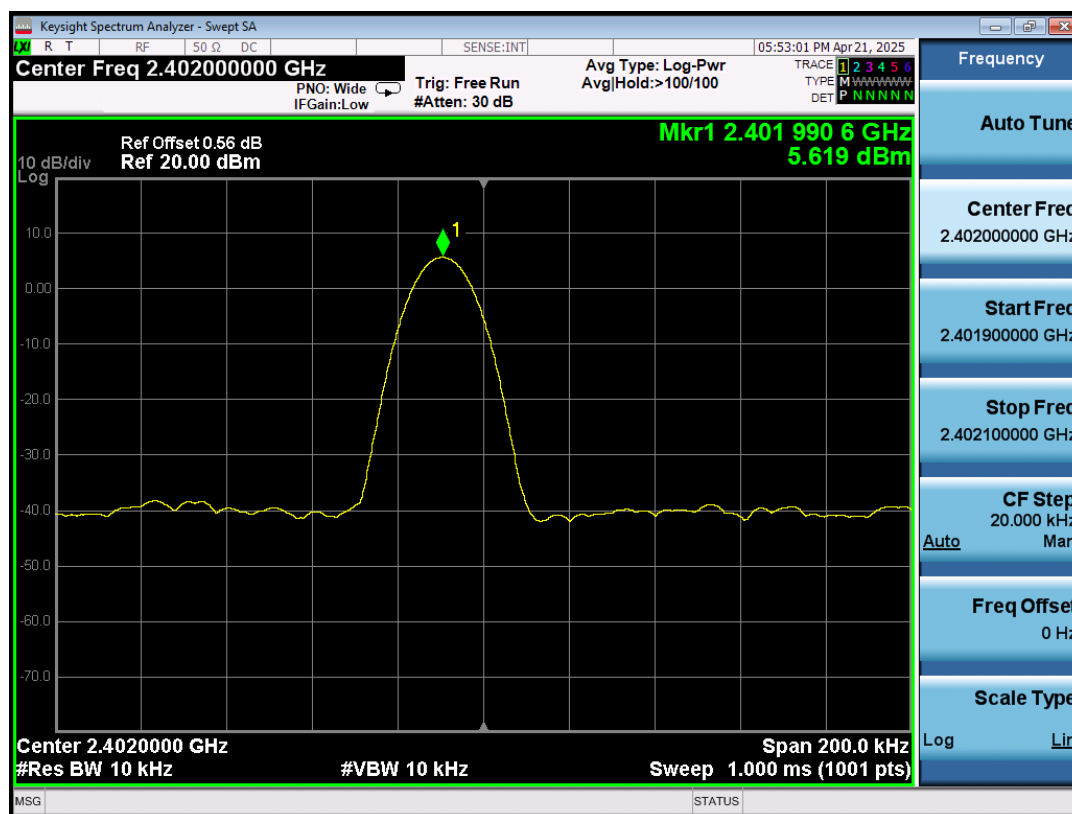


Product : Consumer Tablet
Test Item : Frequency Tolerance
Test Mode : Mode 2 : Transmit - Normal - 2Mbps
Test Voltage : DC 5V

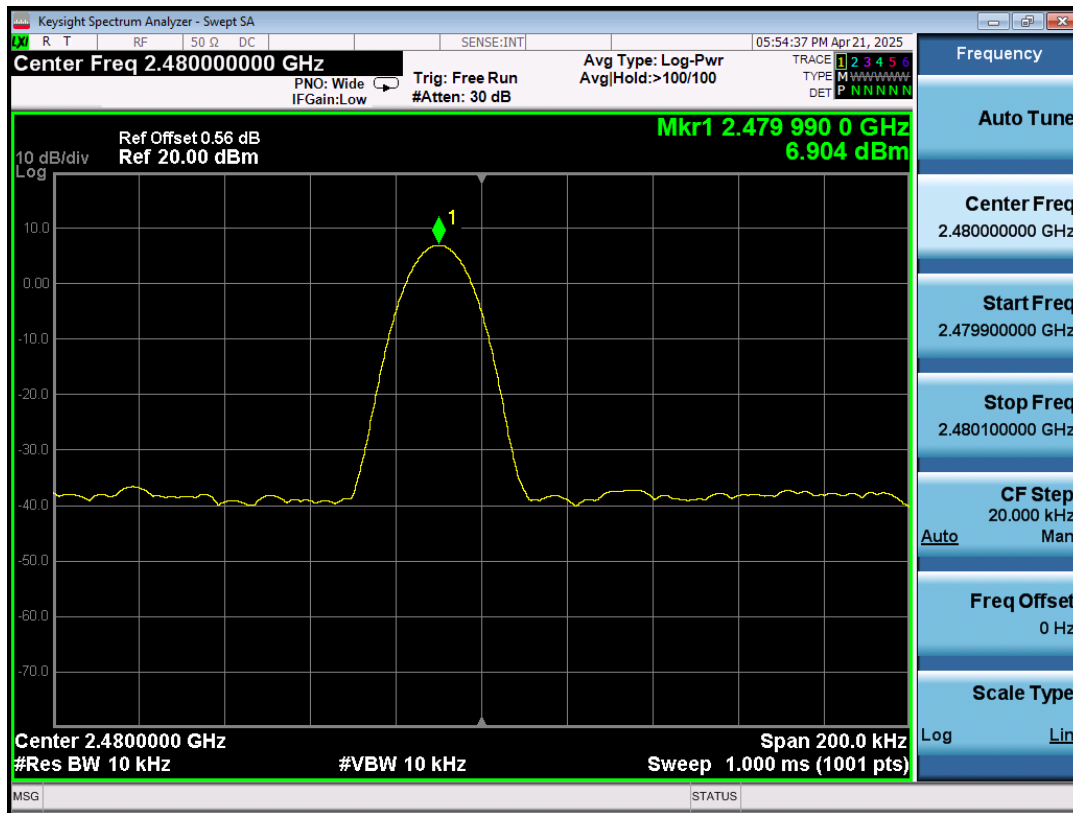
Frequency (MHz)	Reading Value (MHz)	Tolerance (ppm)	Limit (ppm)	Result
2402	2401.99060	-3.91	±50	Pass
2480	2479.99000	-4.03	±50	Pass

Note: The spectrum plots are attached to the following.

2402MHz



2480MHz

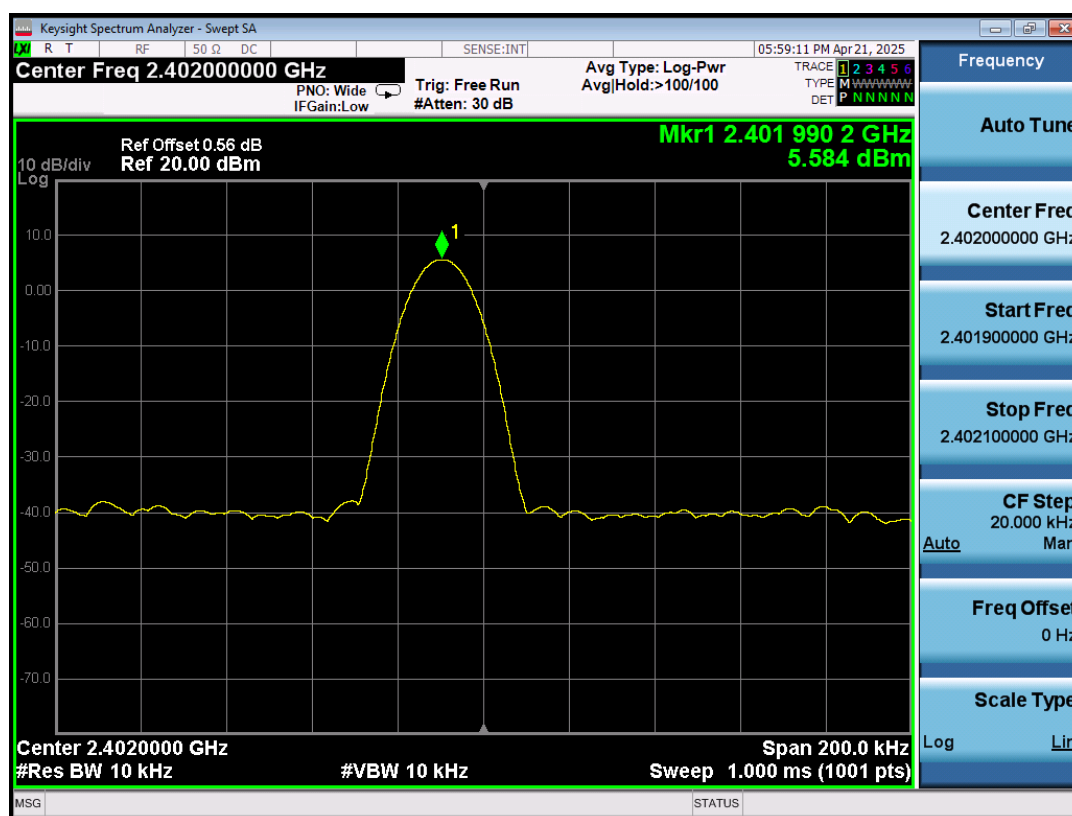


Product : Consumer Tablet
Test Item : Frequency Tolerance
Test Mode : Mode 3 : Transmit - Normal - 3Mbps
Test Voltage : DC 5V

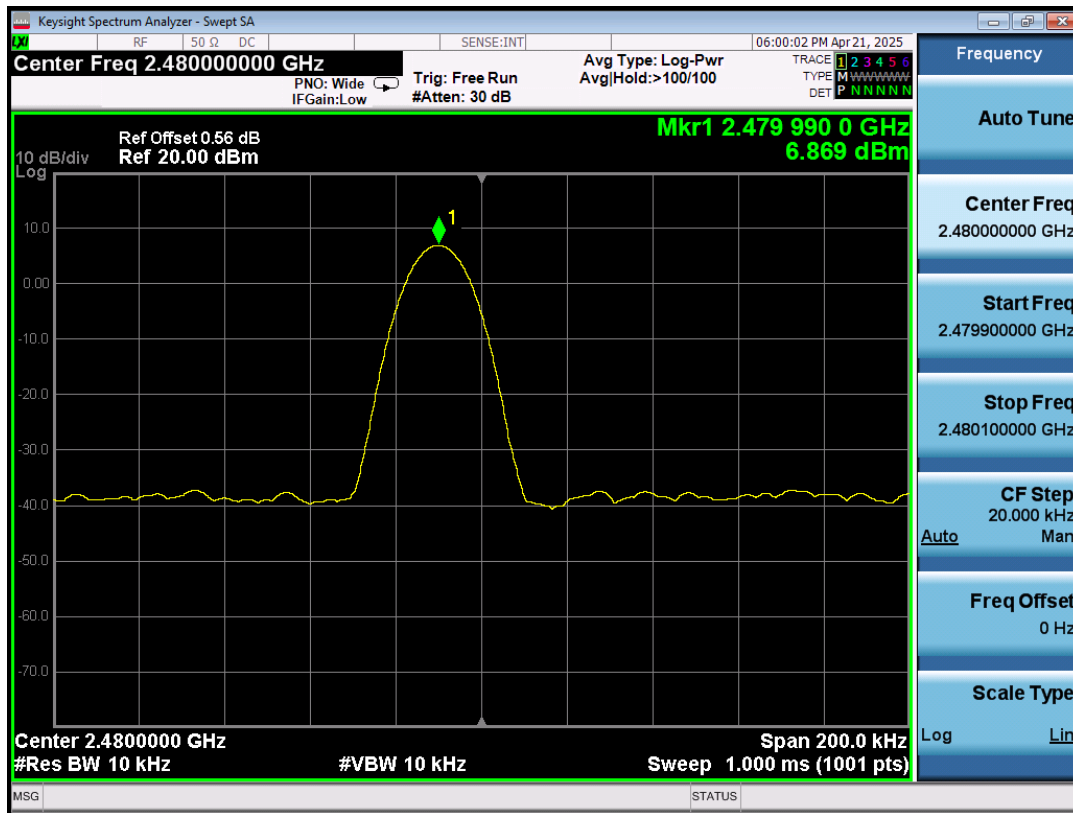
Frequency (MHz)	Reading Value (MHz)	Tolerance (ppm)	Limit (ppm)	Result
2402	2401.99020	-4.08	±50	Pass
2480	2479.99000	-4.03	±50	Pass

Note: The spectrum plots are attached to the following.

2402MHz



2480MHz



2.3 Occupied Bandwidth

2.3.1 Limit

Mode	Limit
FHSS(Compound method with DSSS or OFDM)	≤ 83.5 MHz
DSSS、OFDM *1	≤ 26 MHz
OFDM*2	26 - 40 MHz
Other Digital methods	≤ 26 MHz

*1 Antenna Power ≤ 10 mW/MHz

*2 Antenna Power ≤ 5 mW/MHz

2.3.2 Test Setup



2.3.3 Test Procedure

Test method: According to Notification No. 88 of MIC, 2004, Annex 43(Occupied Bandwidth & Spreading Bandwidth)

A spectrum analyzer or similar device shall be used to observe a sample of the modulated transmitter's radio frequency power output.

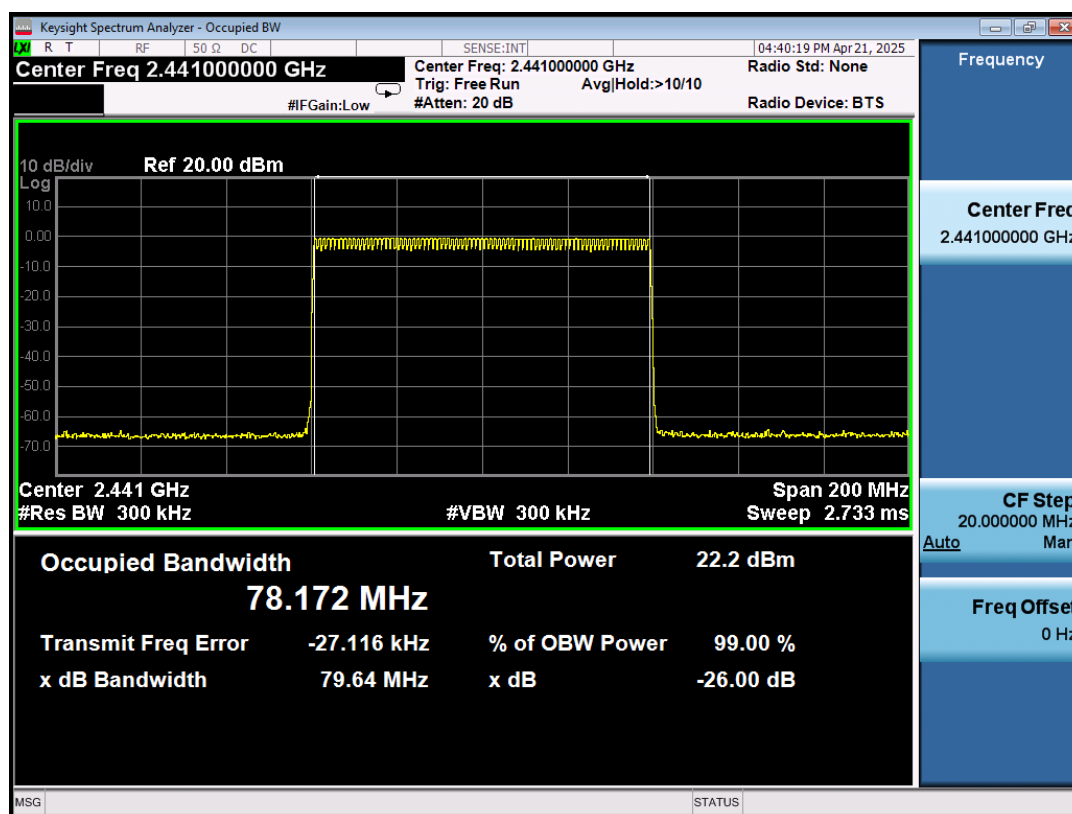
- A positive peak detector function must be used.
- A measurement instrument with an integrated 99% power bandwidth function may be used to automate the test process.
- The measurement instrument bandwidth and span must be set sufficiently with, and, the scan time set sufficiently slow, to ensure all major modulation products are captured. Note that the measurement bandwidth should also be set sufficiently narrow to avoid adding significant error to the test result.
- 'Maximum Hold' mode may be used to accumulate the measurement result over several scans provided the emission is repetitive in nature.

2.3.4 Test Result

Product : Consumer Tablet
Test Item : Occupied Bandwidth
Test Mode : Mode 1 : Transmit - Normal - 1Mbps
Test Voltage : DC 5V

Frequency (MHz)	Measured Value (MHz)	Limit (MHz)	Result
Hopping	78.172	≤ 83.5	Pass

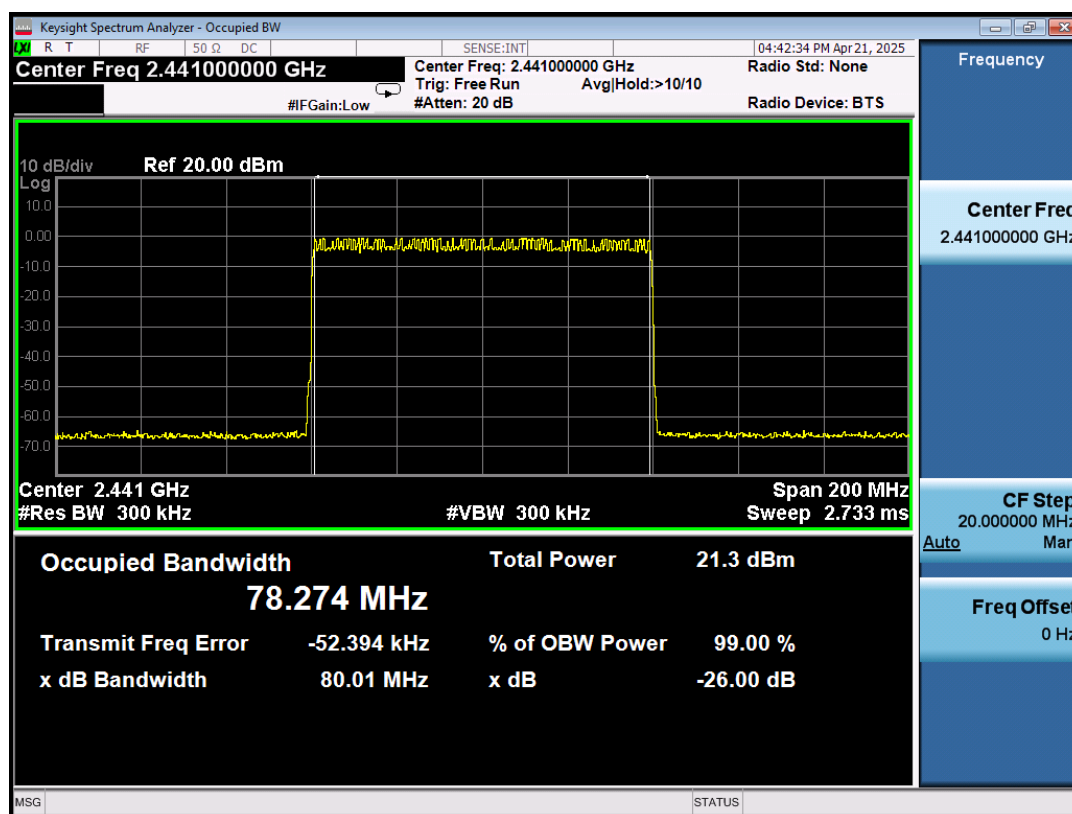
Note: The spectrum plots are attached to the following.



Product : Consumer Tablet
Test Item : Occupied Bandwidth
Test Mode : Mode 2 : Transmit - Normal - 2Mbps
Test Voltage : DC 5V

Frequency (MHz)	Measured Value (MHz)	Limit (MHz)	Result
Hopping	78.274	≤ 83.5	Pass

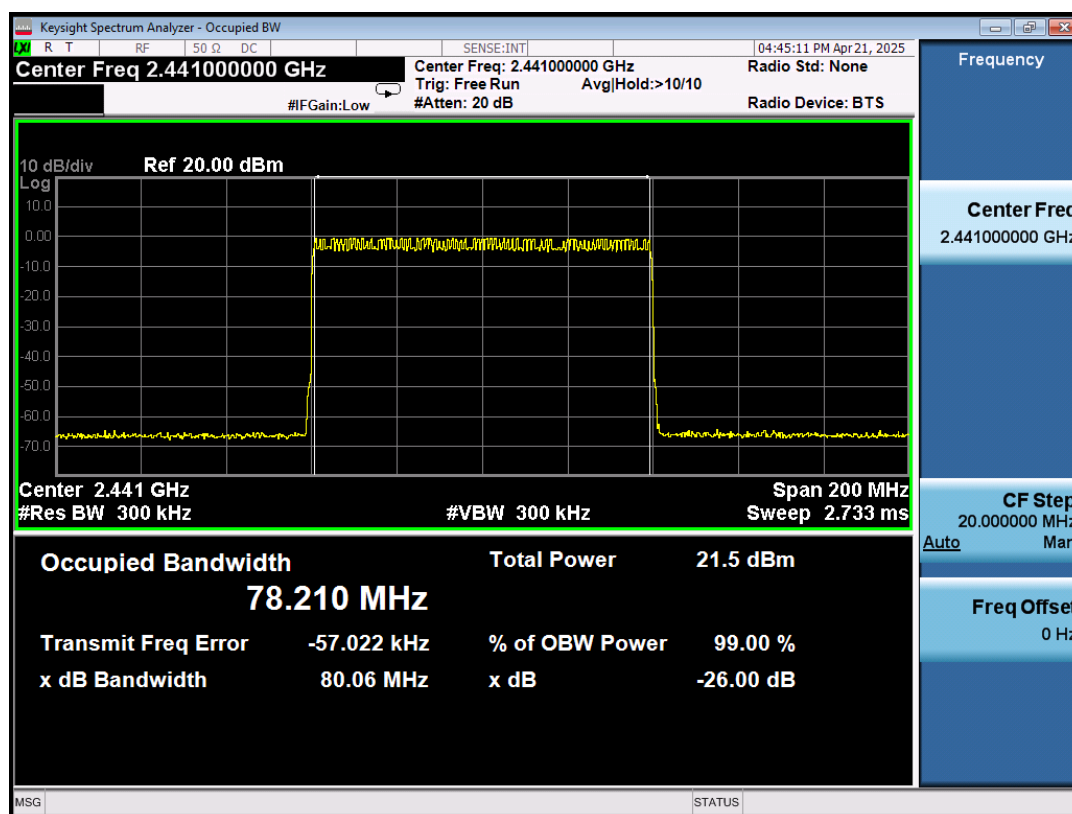
Note: The spectrum plots are attached to the following.



Product : Consumer Tablet
Test Item : Occupied Bandwidth
Test Mode : Mode 3 : Transmit - Normal - 3Mbps
Test Voltage : DC 5V

Frequency (MHz)	Measured Value (MHz)	Limit (MHz)	Result
Hopping	78.210	≤ 83.5	Pass

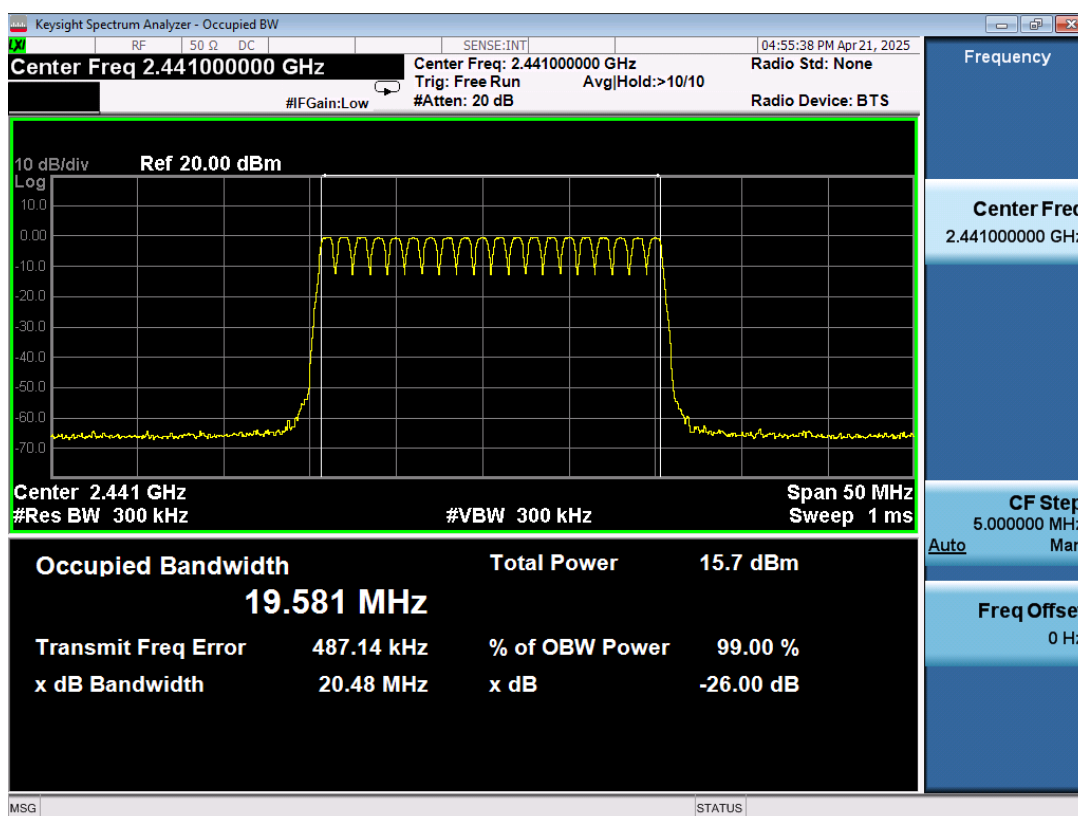
Note: The spectrum plots are attached to the following.



Product : Consumer Tablet
Test Item : Occupied Bandwidth
Test Mode : Mode 4 : Transmit - AFH - 1Mbps
Test Voltage : DC 5V

Frequency (MHz)	Measured Value (MHz)	Limit (MHz)	Result
Hopping	19.581	≤ 83.5	Pass

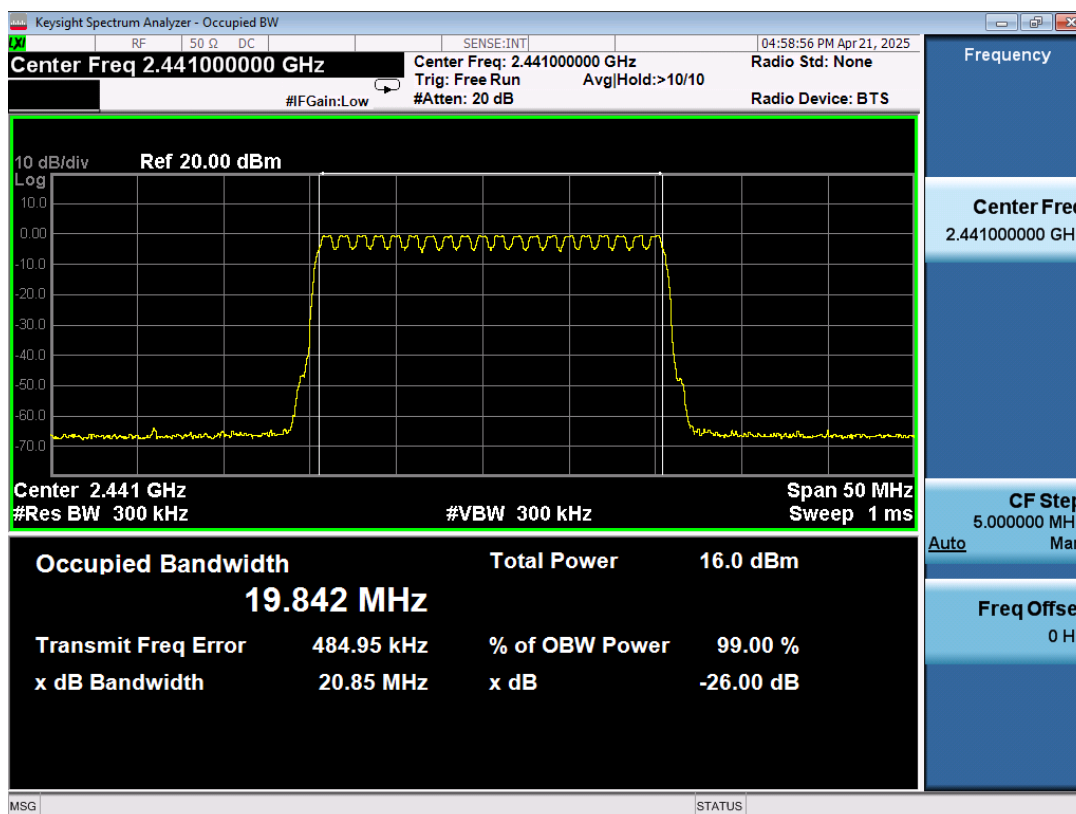
Note: The spectrum plots are attached to the following.



Product : Consumer Tablet
Test Item : Occupied Bandwidth
Test Mode : Mode 5 : Transmit - AFH - 2Mbps
Test Voltage : DC 5V

Frequency (MHz)	Measured Value (MHz)	Limit (MHz)	Result
Hopping	19.842	≤ 83.5	Pass

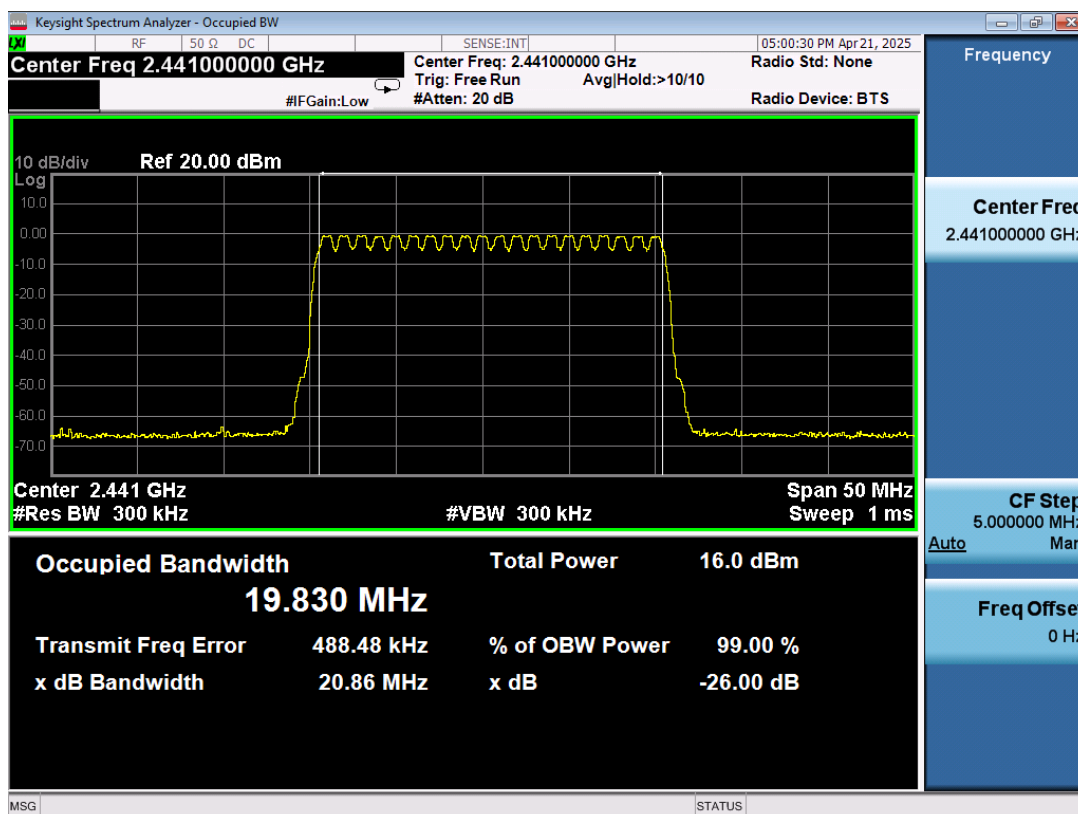
Note: The spectrum plots are attached to the following.



Product : Consumer Tablet
Test Item : Occupied Bandwidth
Test Mode : Mode 6 : Transmit - AFH - 3Mbps
Test Voltage : DC 5V

Frequency (MHz)	Measured Value (MHz)	Limit (MHz)	Result
Hopping	19.830	≤ 83.5	Pass

Note: The spectrum plots are attached to the following.



2.4 Dwell Time

2.4.1 Limit

The Frequency retention time in the Frequency hopping method shall be 0.4 second or less. The total sum of the Frequency retention time in any Frequency within the time obtained by multiplying the diffusion rate by 0.4 second shall be 0.4 second or shorter.

2.4.2 Test Setup



2.4.3 Test Procedure

Test method: According to Notification No. 88 of MIC, 2004, Annex 43(Hopping frequency dwell time)

A spectrum analyzer or similar device shall be used to observe a sample of the modulated transmitter's radio frequency power output.

- (a) A positive peak detector function must be used.
- (b) The center frequency is set to the test frequency and the span is switched to zero.
- (c) The measurement instrument bandwidth must be set sufficiently with, and, the scan time set sufficiently slow, to ensure all major modulation products are captured. Note that the measurement bandwidth should also be set sufficiently narrow to avoid adding significant error to the test result.
- (d) "Single sweep" mode may be used to capture a packet over a single scan.

2.4.4 Test Result

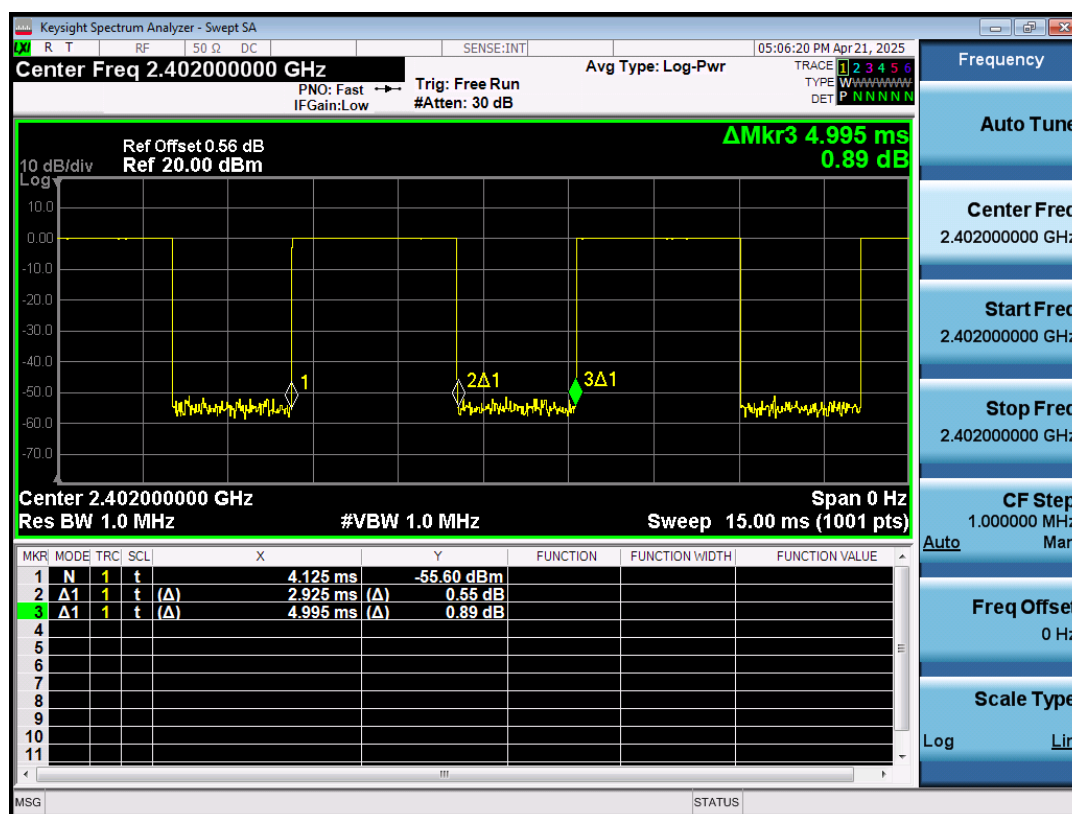
Product : Consumer Tablet
Test Item : Dwell Time
Test Mode : Mode 1 : Transmit - Normal - 1Mbps
Test Voltage : DC 5V

Measured Value				Limit (s)	Result
On Time (ms)	Off Time (ms)	Duty Cycle	Dwell Time (s)		
2.925	4.995	0.59	0.232	≤ 0.4	Pass

Note:

(1) Formula: Dwell Time = (Diffusion Rate / 79) * Duty Cycle * 0.4 seconds

(2) Note: The spectrum plots are attached to the following.



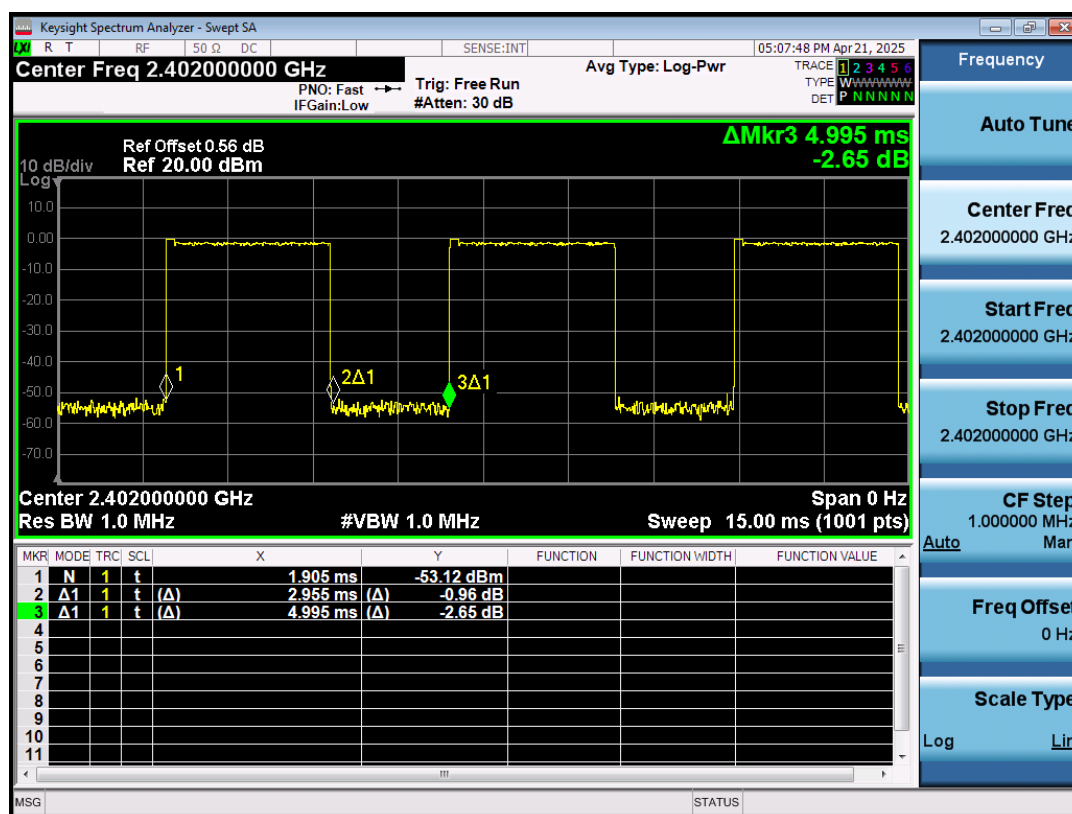
Product : Consumer Tablet
Test Item : Dwell Time
Test Mode : Mode 2 : Transmit - Normal - 2Mbps
Test Voltage : DC 5V

Measured Value				Limit (s)	Result
On Time (ms)	Off Time (ms)	Duty Cycle	Dwell Time (s)		
2.955	4.995	0.59	0.234	≤ 0.4	Pass

Note:

(1) Formula: Dwell Time = (Diffusion Rate / 79) * Duty Cycle * 0.4 seconds

(2) Note: The spectrum plots are attached to the following.



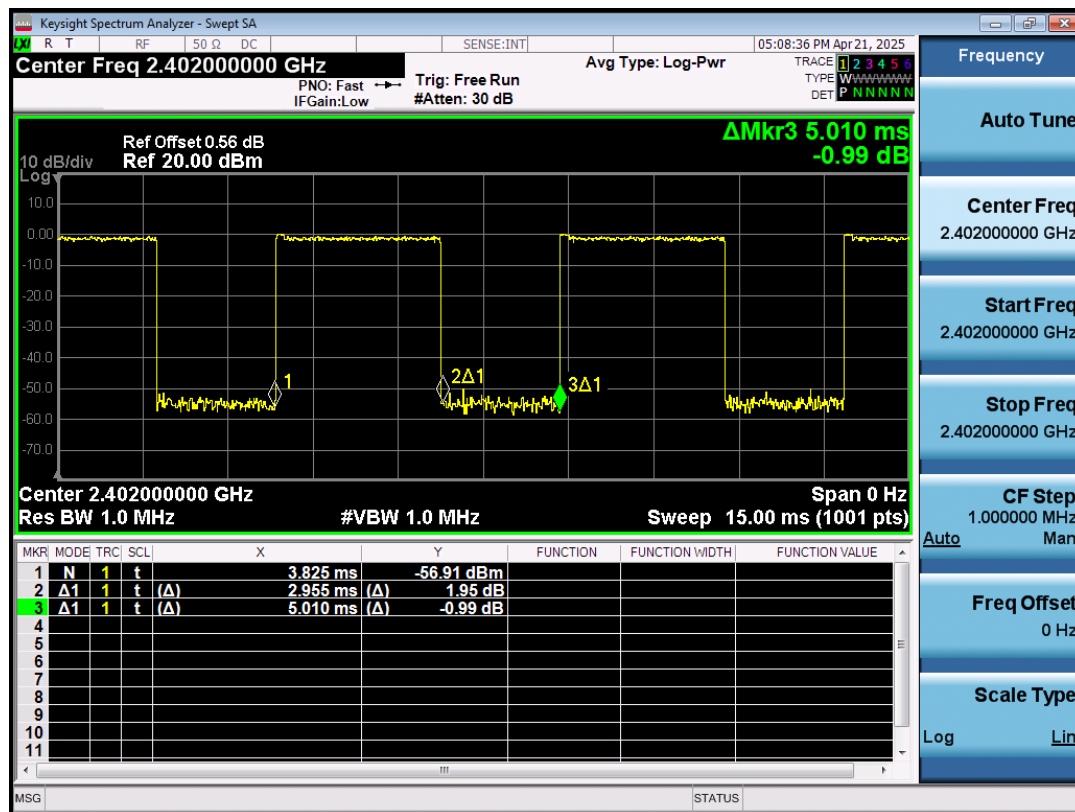
Product : Consumer Tablet
Test Item : Dwell Time
Test Mode : Mode 3 : Transmit - Normal - 3Mbps
Test Voltage : DC 5V

Measured Value				Limit (s)	Result
On Time (ms)	Off Time (ms)	Duty Cycle	Dwell Time (s)		
2.955	5.010	0.59	0.234	≤ 0.4	Pass

Note:

(1) Formula: Dwell Time = (Diffusion Rate / 79) * Duty Cycle * 0.4 seconds

(2) Note: The spectrum plots are attached to the following.



2.5 Unwanted Emission Strength

2.5.1 Limit

Frequency	Limit
30 ~ 2387 MHz	$\leq 2.5\mu\text{W/MHz}$
2387 ~ 2400 MHz	$\leq 25\mu\text{W/MHz}$
2483.5 ~ 2496.5 MHz	$\leq 25\mu\text{W/MHz}$
2496.5 ~ 12500 MHz	$\leq 2.5\mu\text{W/MHz}$

2.5.2 Test Setup



2.5.3 Test Procedure

Test method: According to Notification No. 88 of MIC, 2004, Annex 43(Intensity of spurious emission or unwanted emission)

A spectrum analyzer or similar device shall be used to observe a sample of the modulated transmitter's radio frequency power output.

- (a) A positive peak detector function must be used.
- (b) The measurement instrument bandwidth and span must be set sufficiently with, and, the scan time set sufficiently slow, to ensure all major modulation products are captured. Note that the measurement bandwidth should also be set sufficiently narrow to avoid adding significant error to the test result.
- (c) 'Maximum Hold' mode may be used to accumulate the measurement result over several scans provided the emission is repetitive in nature.

2.5.4 Test Result

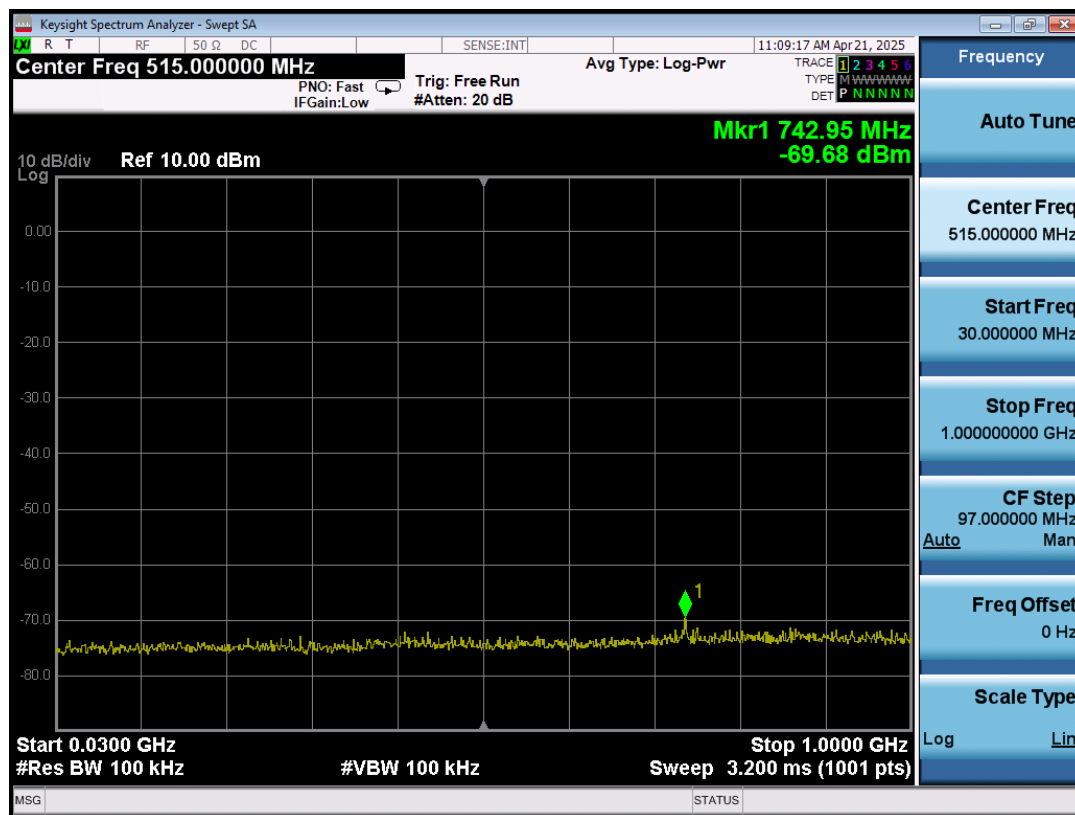
Product : Consumer Tablet
Test Item : Transmitter Spurious Emissions
Test Mode : Mode 1 : Transmit - Normal - 1Mbps
Test Voltage : DC 5V

Frequency (MHz)	Test Freq. (MHz)	Measured Value		Limit (μ W/MHz)	Result
		dBm/MHz	μ W/MHz		
2402	30 ~ 1000	-59.310	0.00117	≤ 2.5	Pass
	1000 ~ 2387	-58.220	0.00151	≤ 2.5	Pass
	2387 ~ 2400	-45.940	0.02547	≤ 25	Pass
	2483.5 ~ 2496.5	-59.270	0.00118	≤ 25	Pass
	2496.5 ~ 12500	-53.930	0.00405	≤ 2.5	Pass
2480	30 ~ 1000	-59.720	0.00107	≤ 2.5	Pass
	1000 ~ 2387	-59.070	0.00124	≤ 2.5	Pass
	2387 ~ 2400	-59.940	0.00101	≤ 25	Pass
	2483.5 ~ 2496.5	-57.630	0.00173	≤ 25	Pass
	2496.5 ~ 12500	-53.920	0.00406	≤ 2.5	Pass

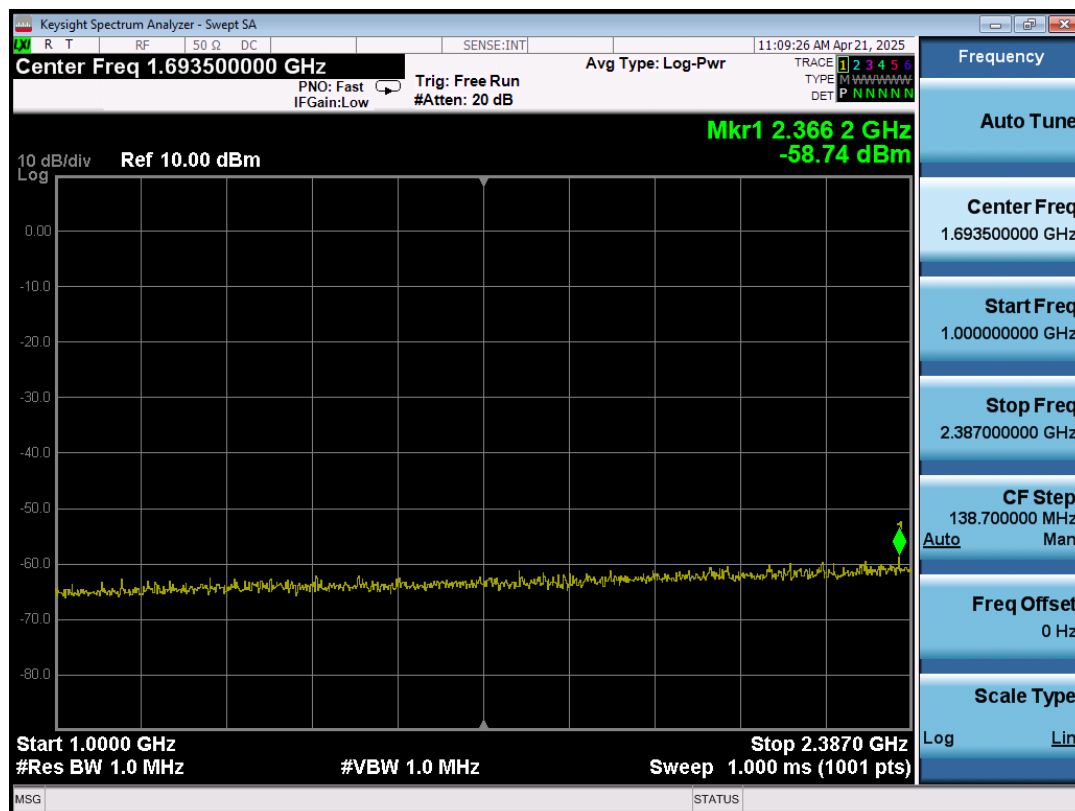
Note:

- (1) The frequency(30~1000MHz) test unit is μ W/100kHz : μ W/MHz = Measured Value(μ W/100kHz) * 10
- (2) Measured Value = Spectrum Reading Value + Cable Loss
- (3) The spectrum plots are attached on the following pages.

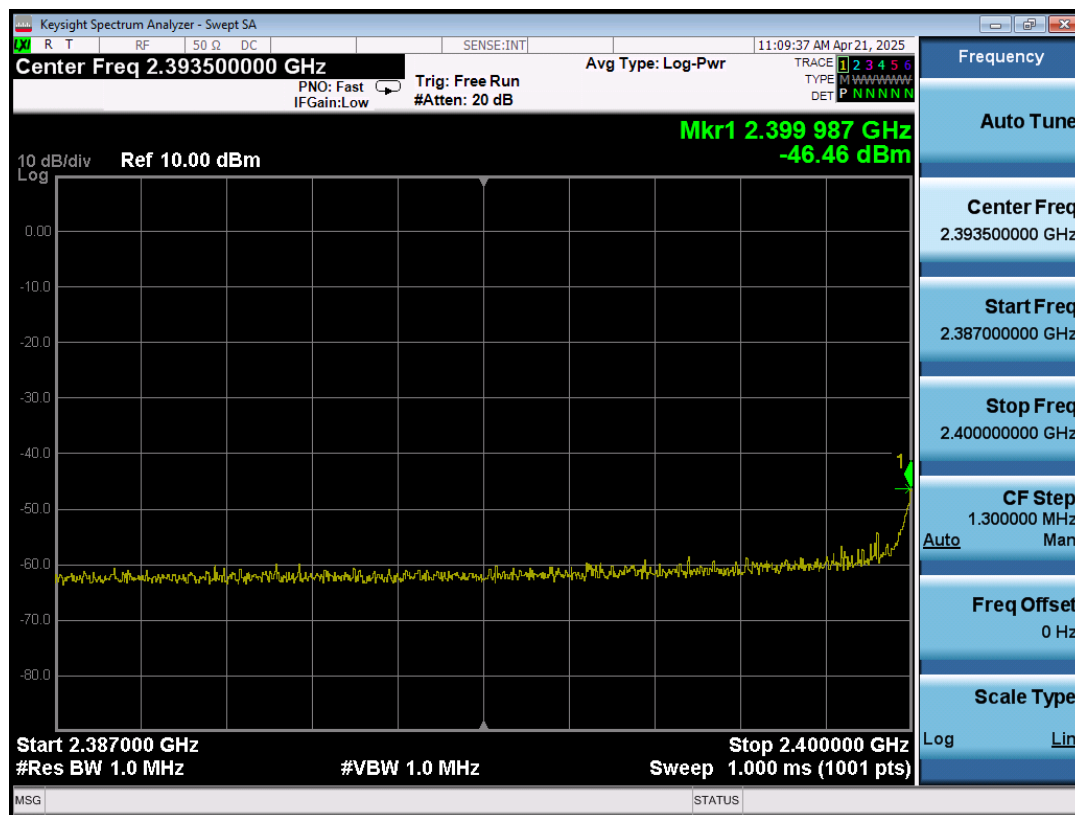
2402MHz ; 30 ~ 1000 MHz



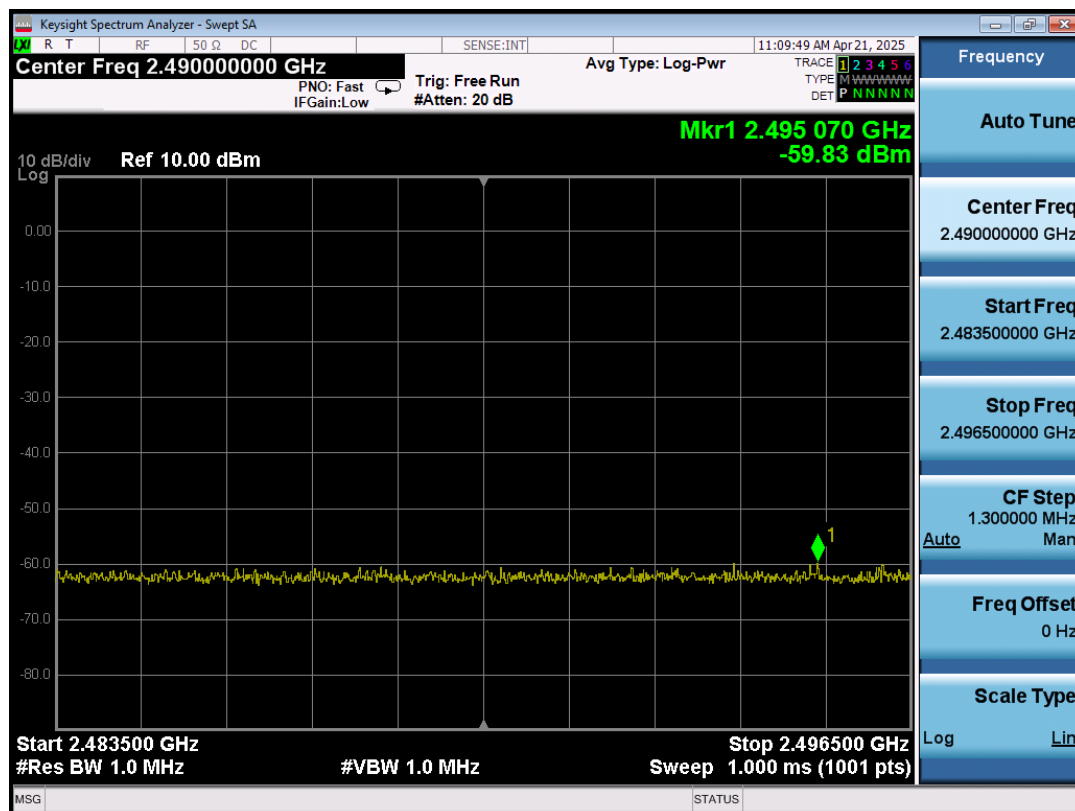
2402MHz ; 1000 ~ 2387 MHz



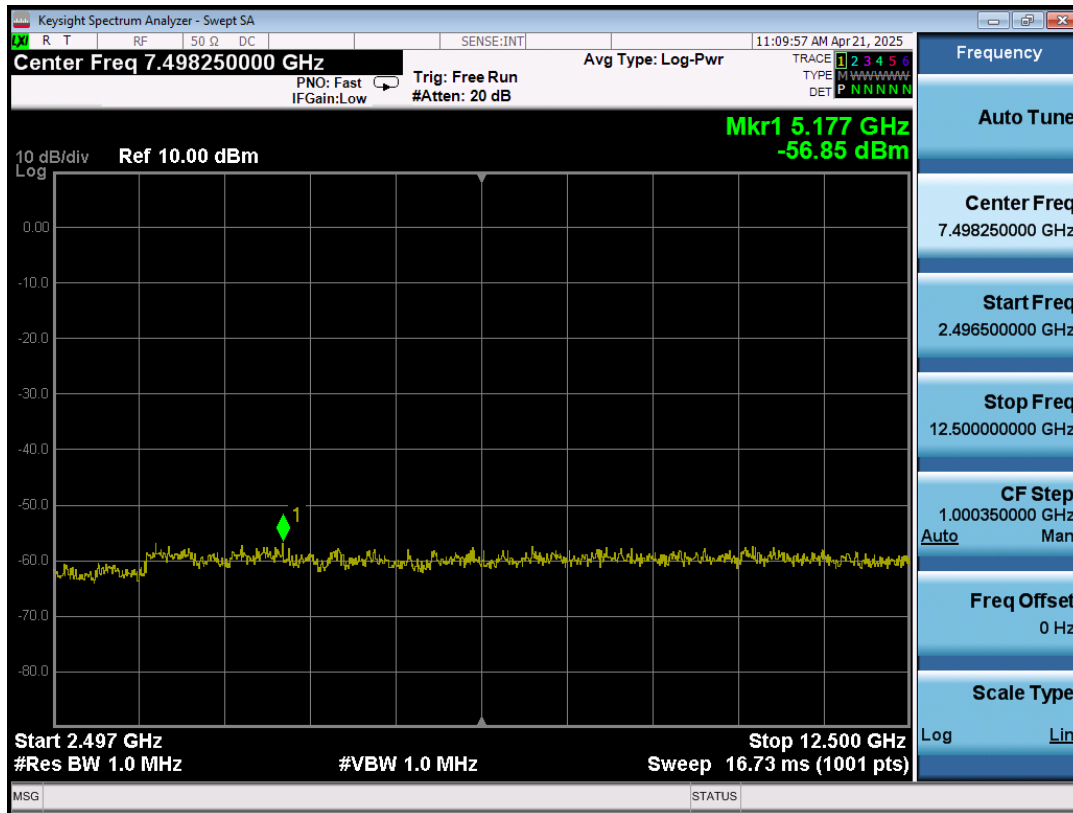
2402MHz; 2387 ~ 2400 MHz



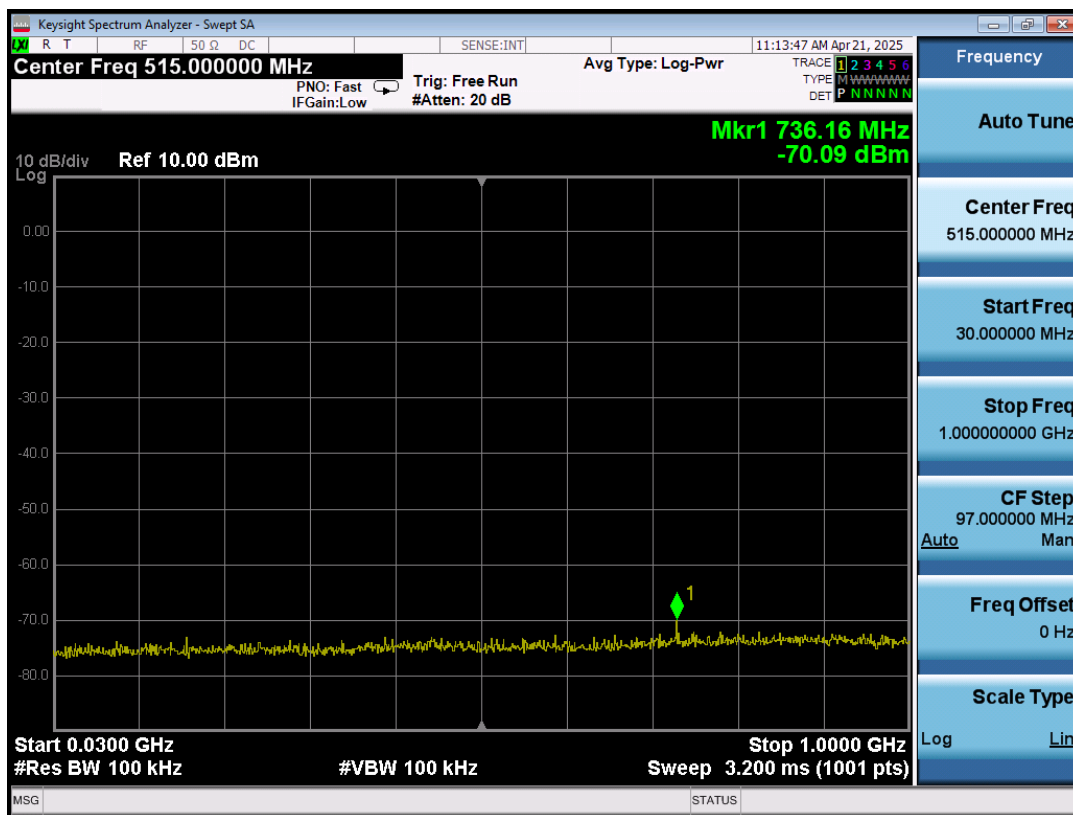
2402MHz; 2483.5 ~ 2496.5 MHz



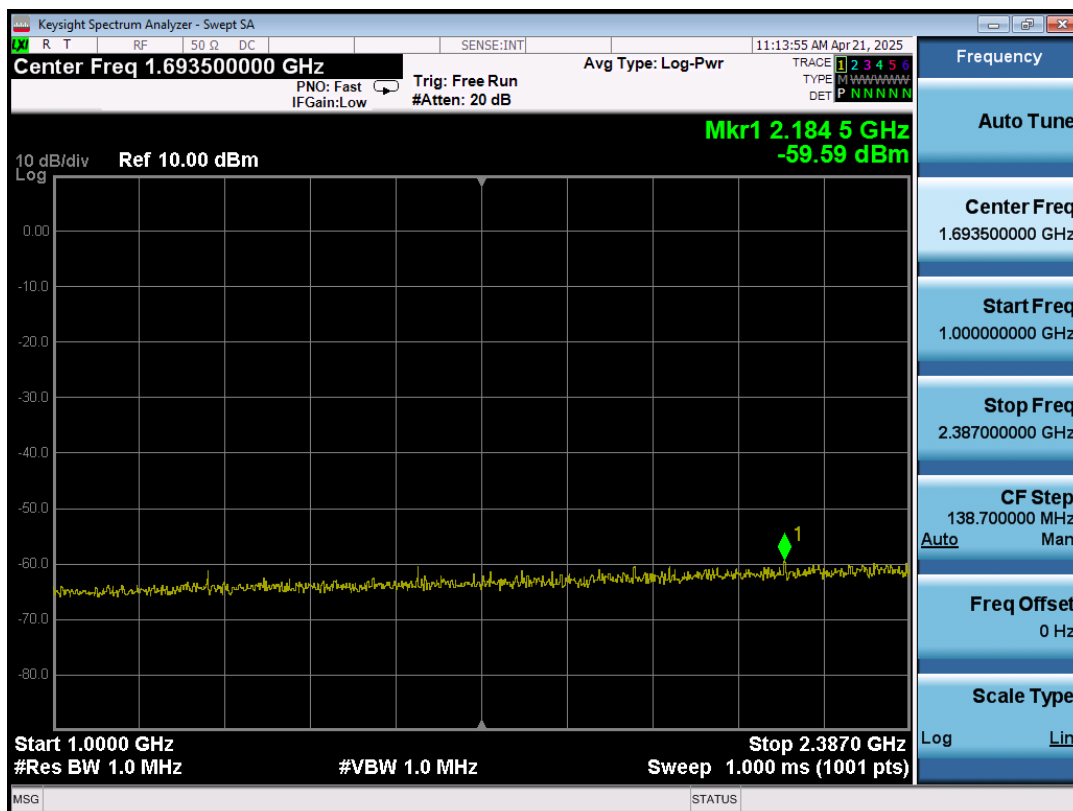
2402MHz; 2496.5 ~ 12500 MHz



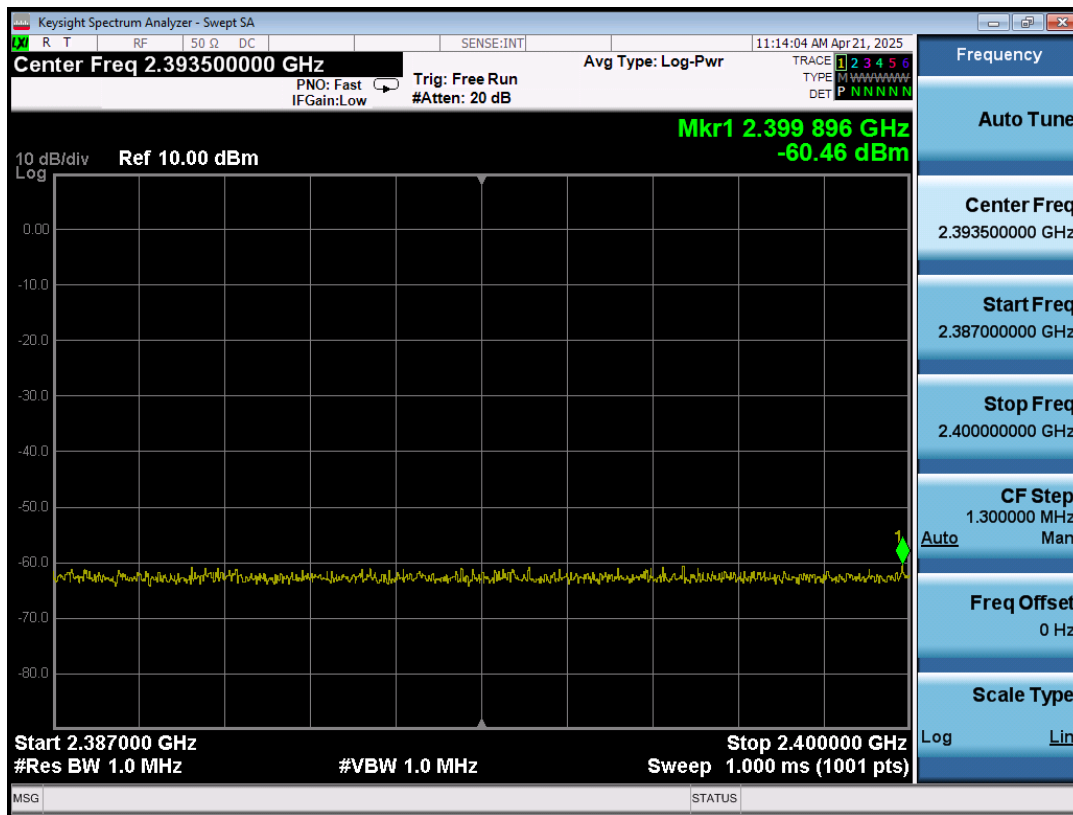
2480MHz ; 30 ~ 1000 MHz



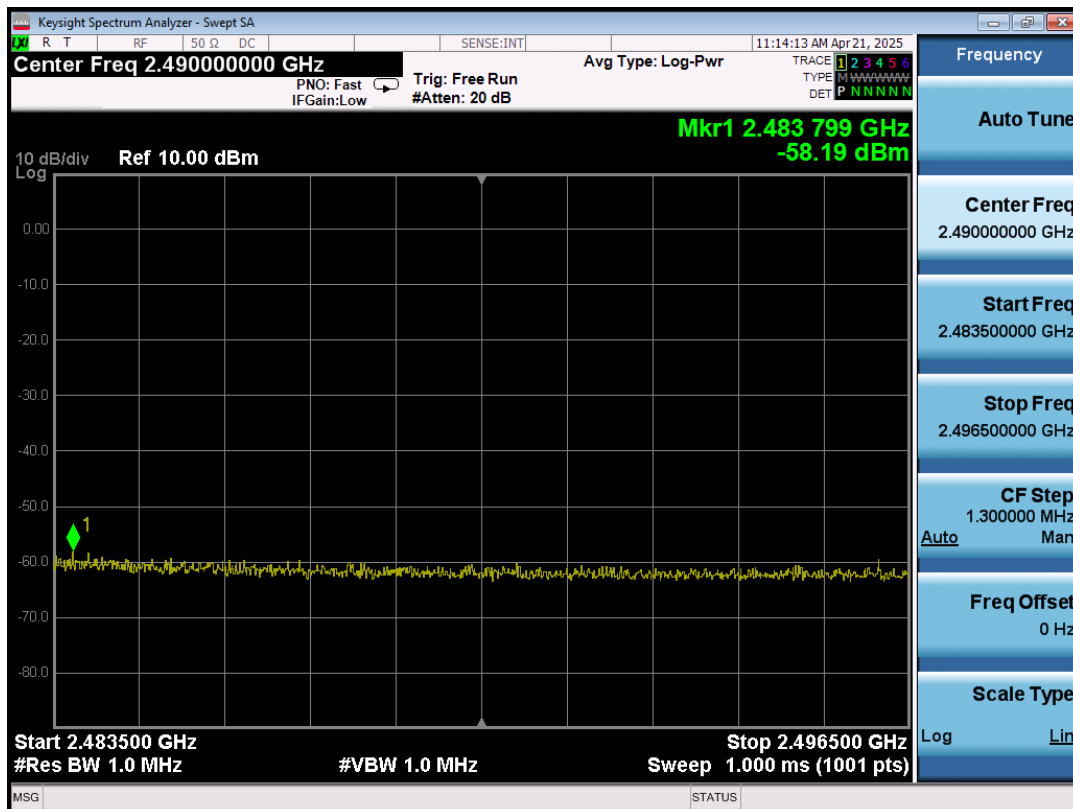
2480MHz ; 1000 ~ 2387 MHz



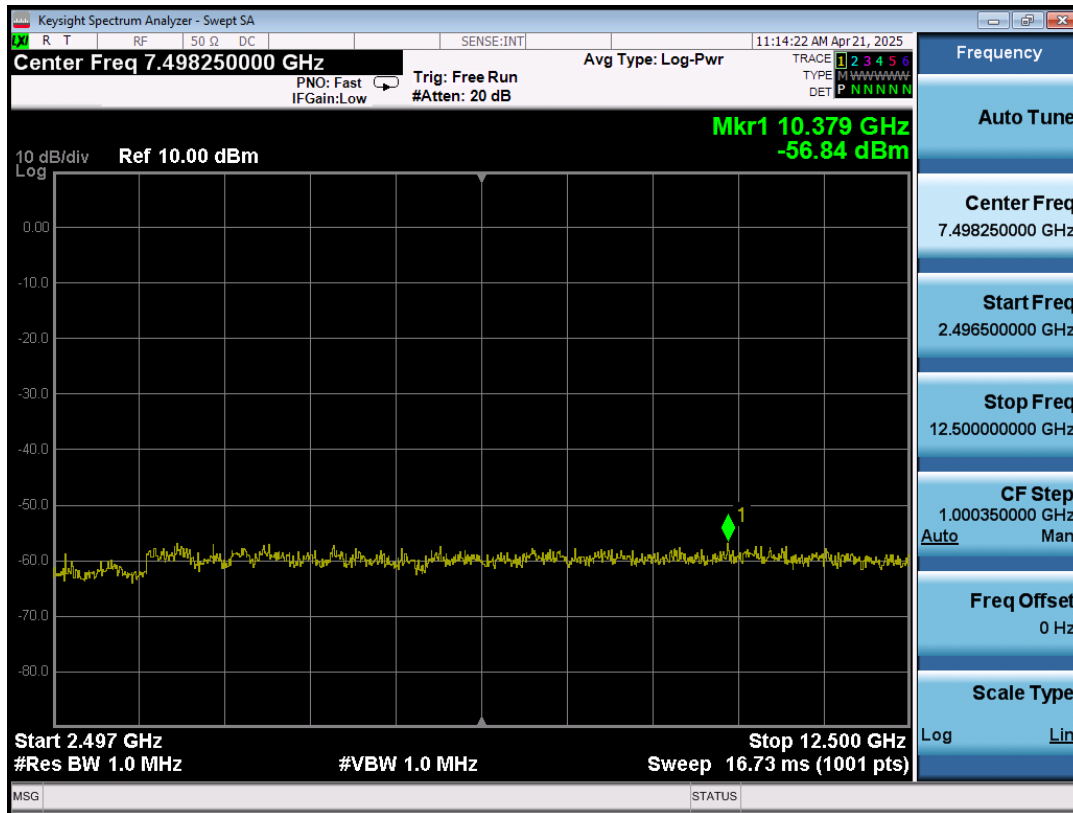
2480MHz ; 2387 ~ 2400 MHz



2480MHz ; 2483.5 ~ 2496.5 MHz



2480MHz ; 2496.5 ~ 12500 MHz



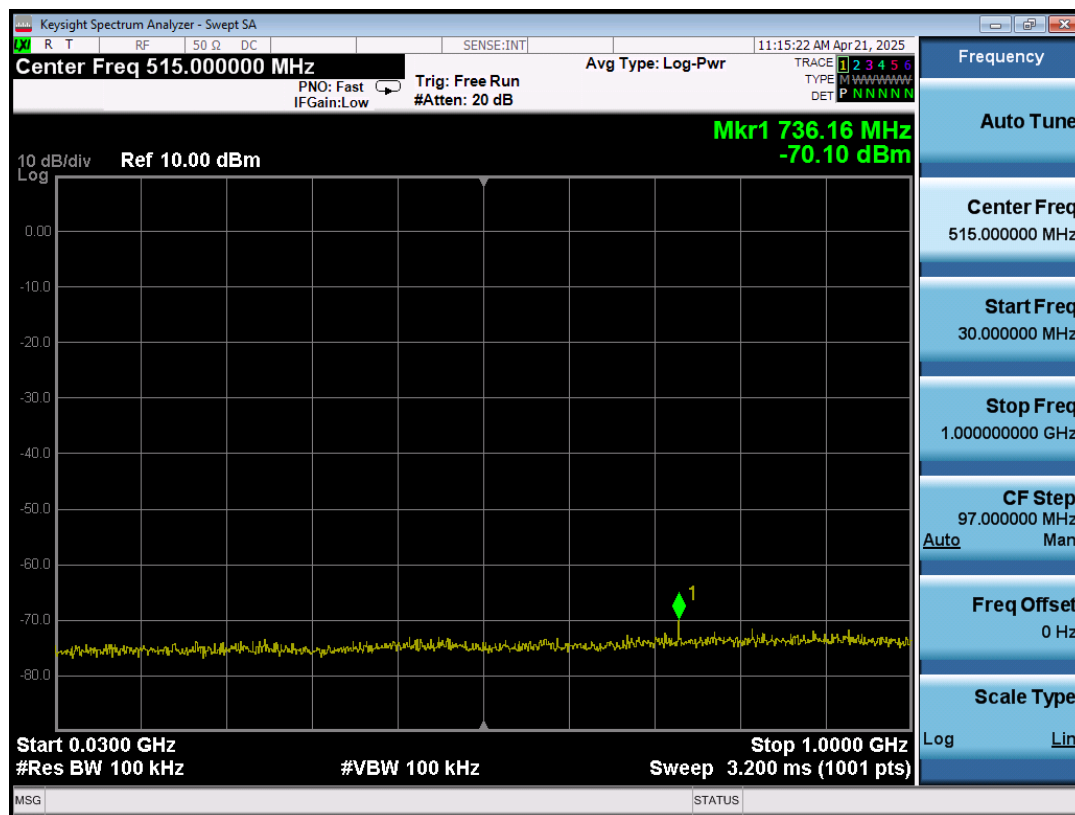
Product : Consumer Tablet
Test Item : Transmitter Spurious Emissions
Test Mode : Mode 2 : Transmit - Normal - 2Mbps
Test Voltage : DC 5V

Frequency (MHz)	Test Freq. (MHz)	Measured Value		Limit (μ W/MHz)	Result
		dBm/MHz	μ W/MHz		
2402	30 ~ 1000	-59.730	0.00106	≤ 2.5	Pass
	1000 ~ 2387	-58.730	0.00134	≤ 2.5	Pass
	2387 ~ 2400	-34.780	0.33266	≤ 25	Pass
	2483.5 ~ 2496.5	-59.980	0.00100	≤ 25	Pass
	2496.5 ~ 12500	-53.940	0.00404	≤ 2.5	Pass
2480	30 ~ 1000	-61.370	0.00073	≤ 2.5	Pass
	1000 ~ 2387	-58.600	0.00138	≤ 2.5	Pass
	2387 ~ 2400	-60.020	0.00100	≤ 25	Pass
	2483.5 ~ 2496.5	-56.430	0.00228	≤ 25	Pass
	2496.5 ~ 12500	-53.560	0.00441	≤ 2.5	Pass

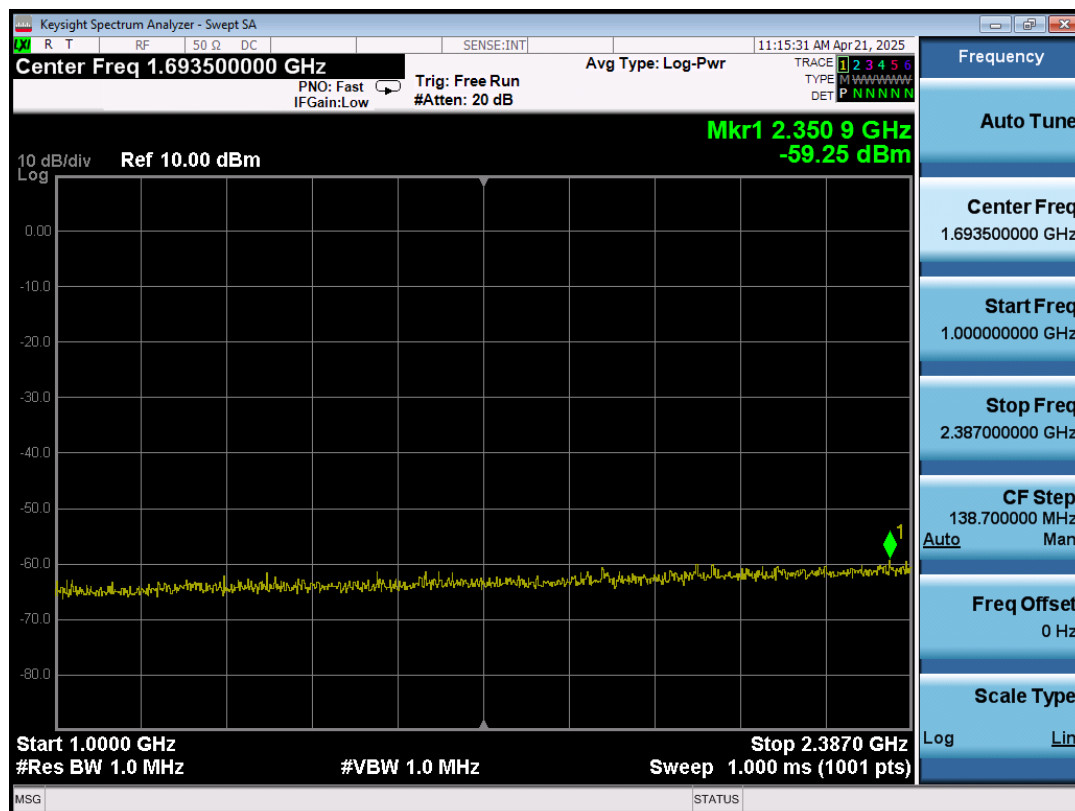
Note:

- (1) The frequency(30~1000MHz) test unit is μ W/100kHz : μ W/MHz = Measured Value(μ W/100kHz) * 10
- (2) Measured Value = Spectrum Reading Value + Cable Loss
- (3) The spectrum plots are attached on the following pages.

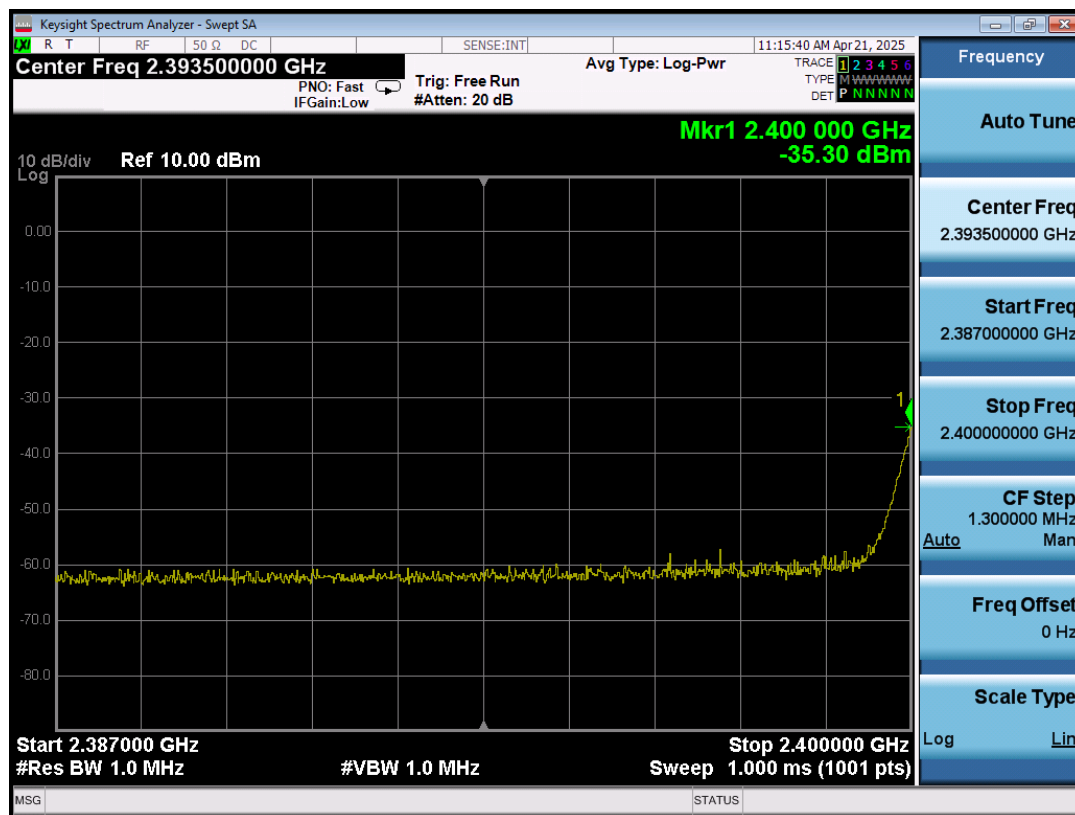
2402MHz ; 30 ~ 1000 MHz



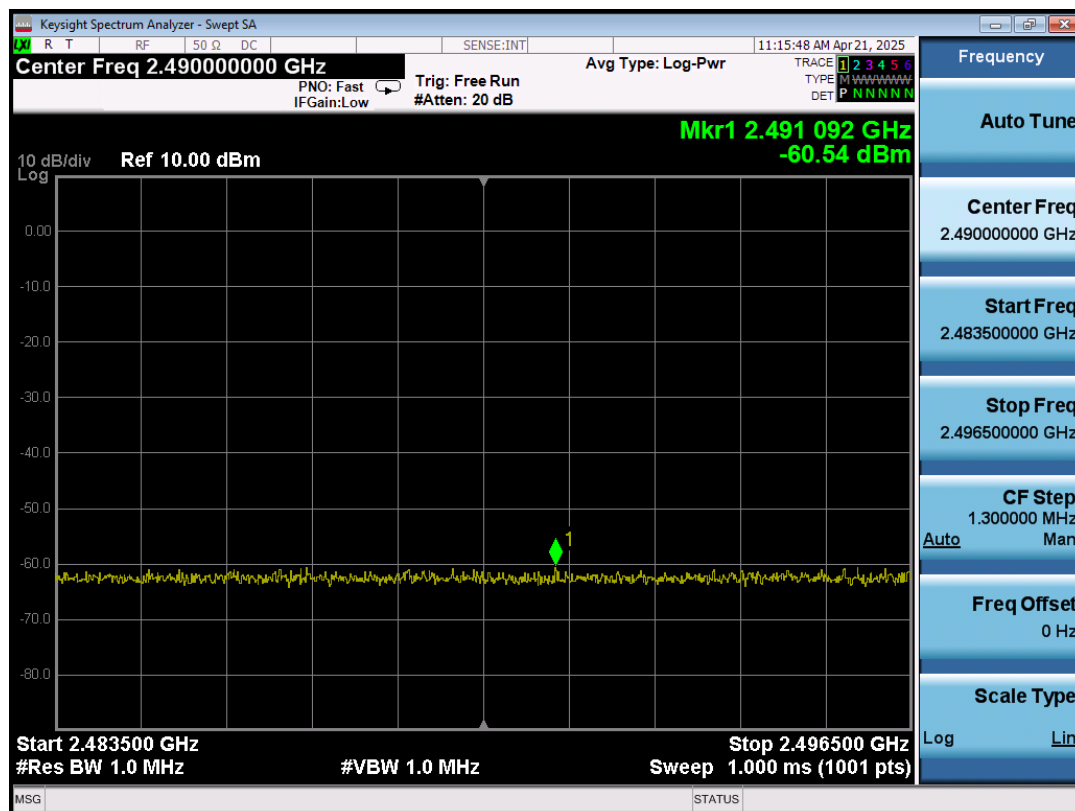
2402MHz ; 1000 ~ 2387 MHz



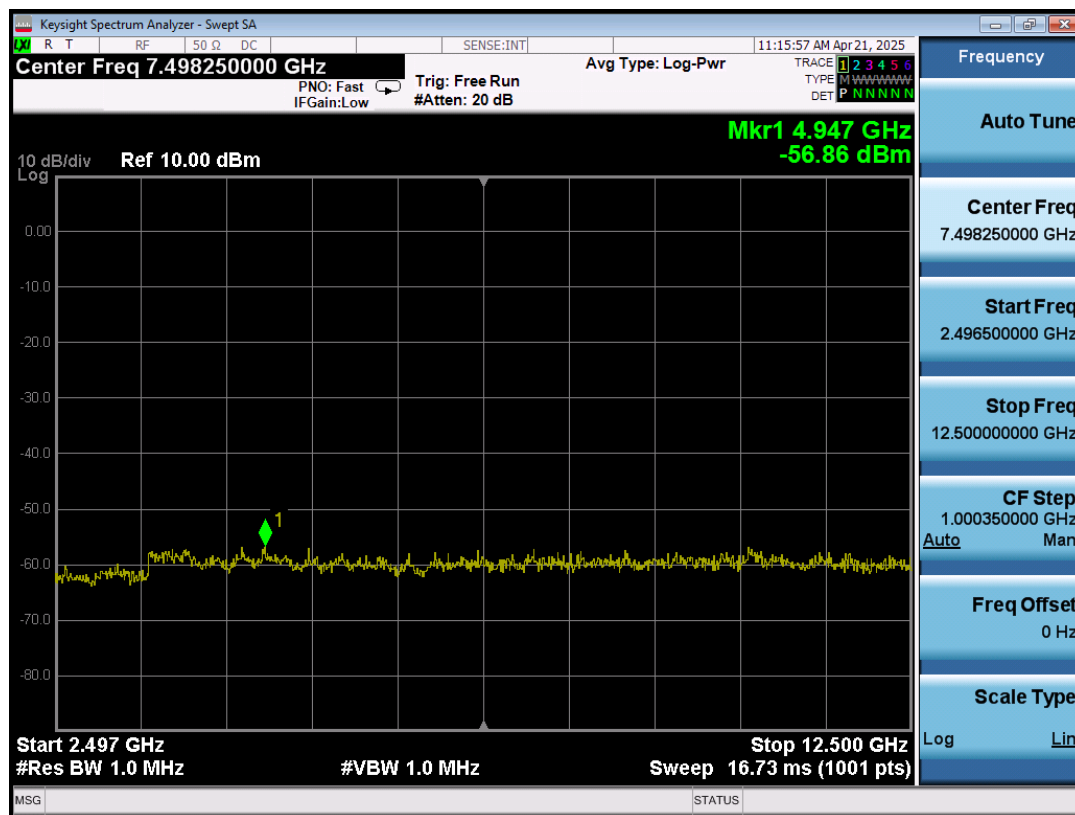
2402MHz; 2387 ~ 2400 MHz



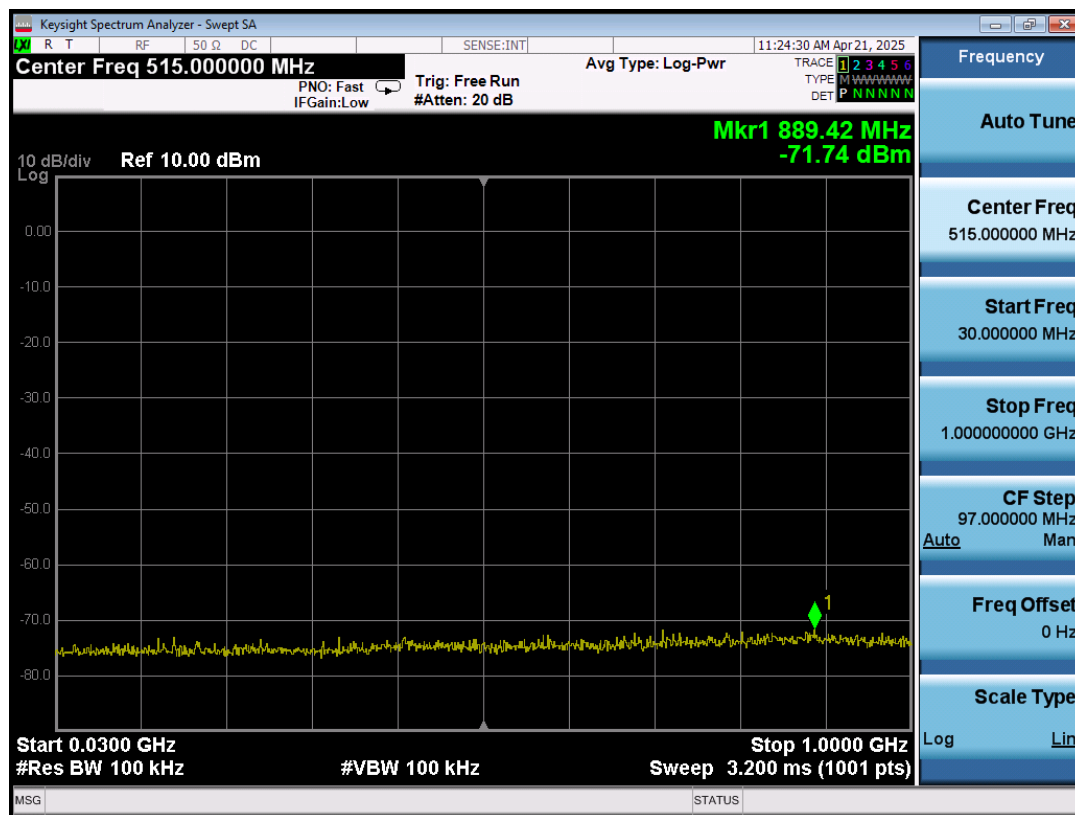
2402MHz; 2483.5 ~ 2496.5 MHz



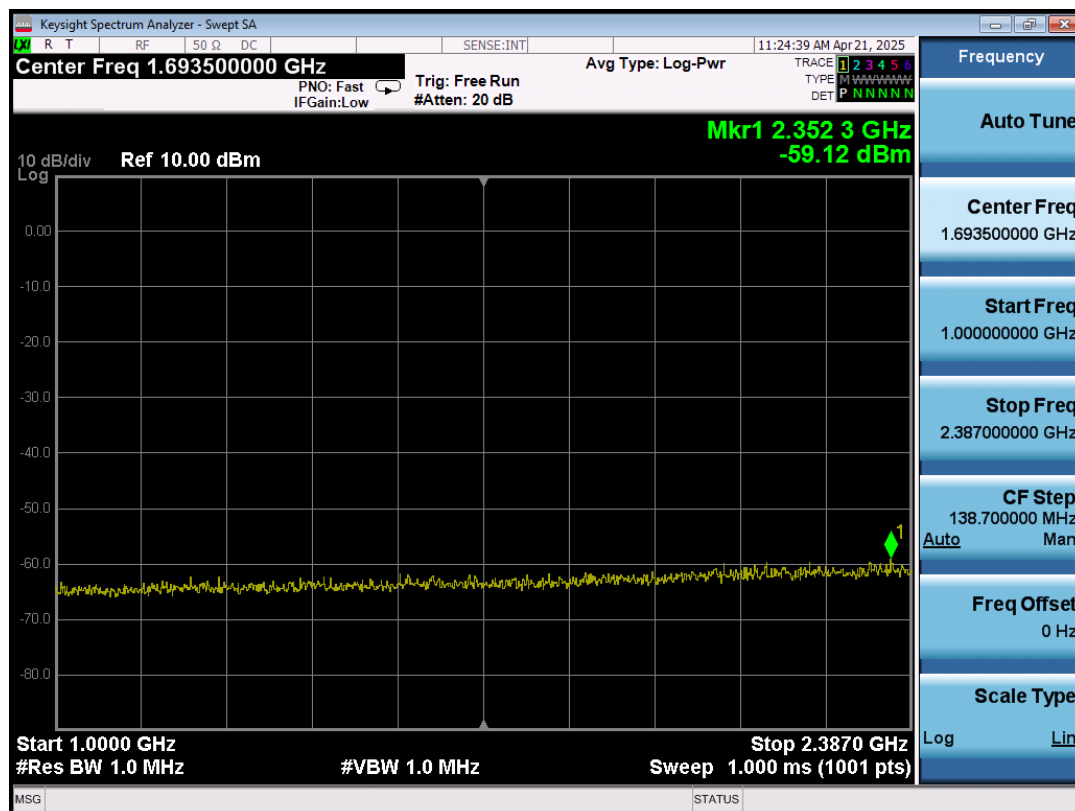
2402MHz; 2496.5 ~ 12500 MHz



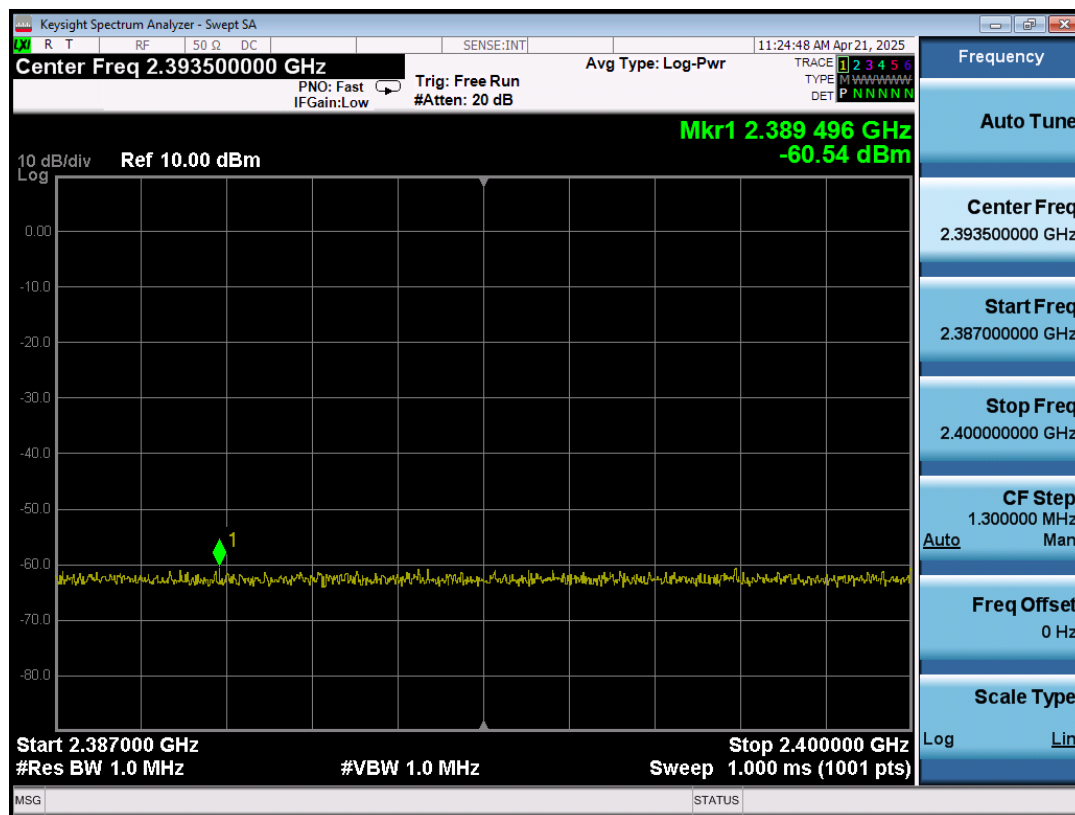
2480MHz ; 30 ~ 1000 MHz



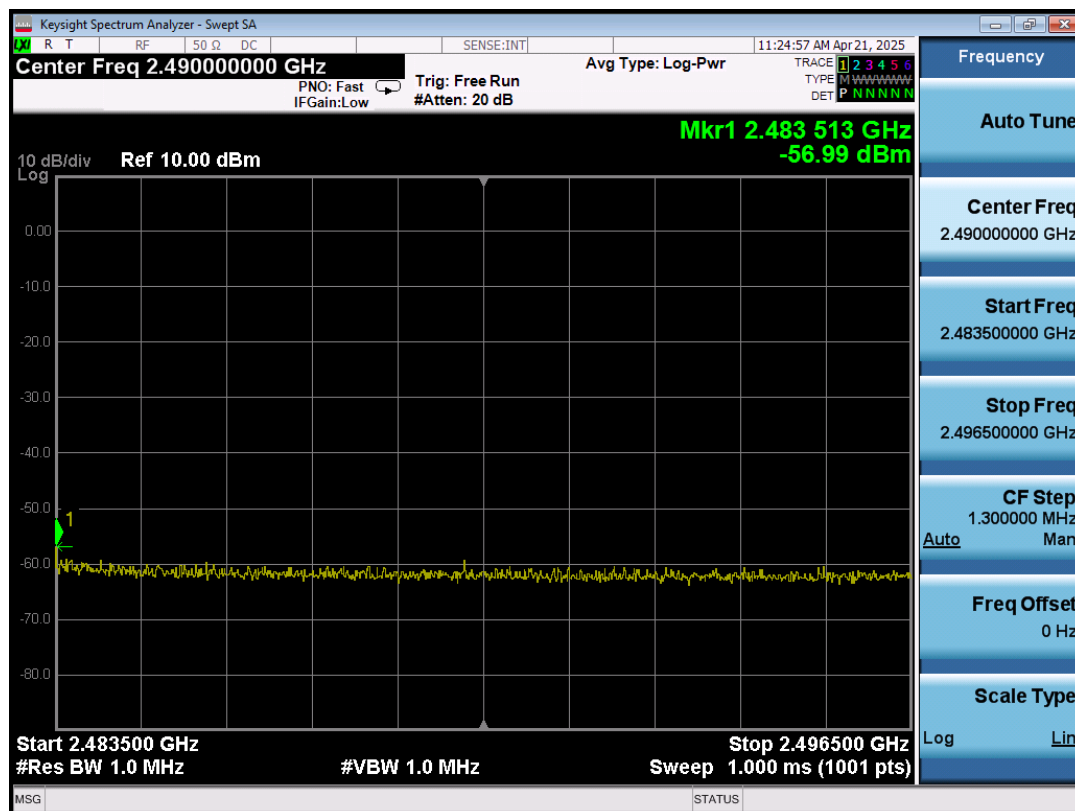
2480MHz ; 1000 ~ 2387 MHz



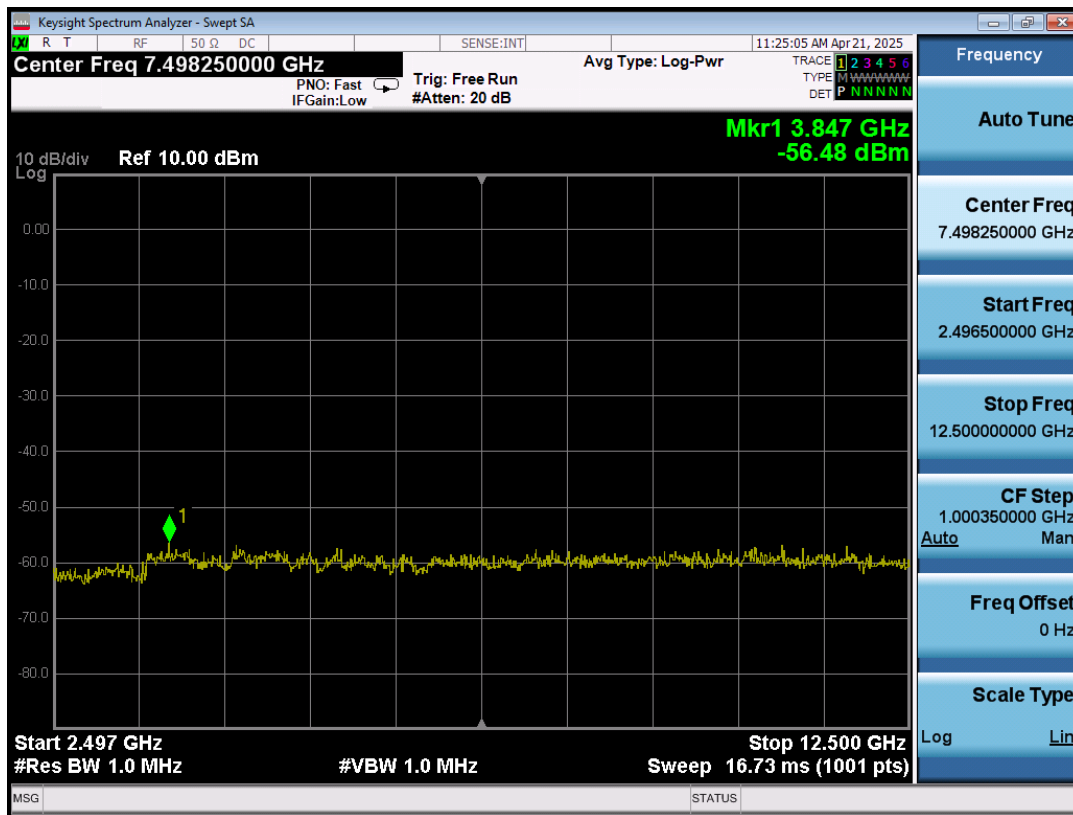
2480MHz ; 2387 ~ 2400 MHz



2480MHz ; 2483.5 ~ 2496.5 MHz



2480MHz ; 2496.5 ~ 12500 MHz



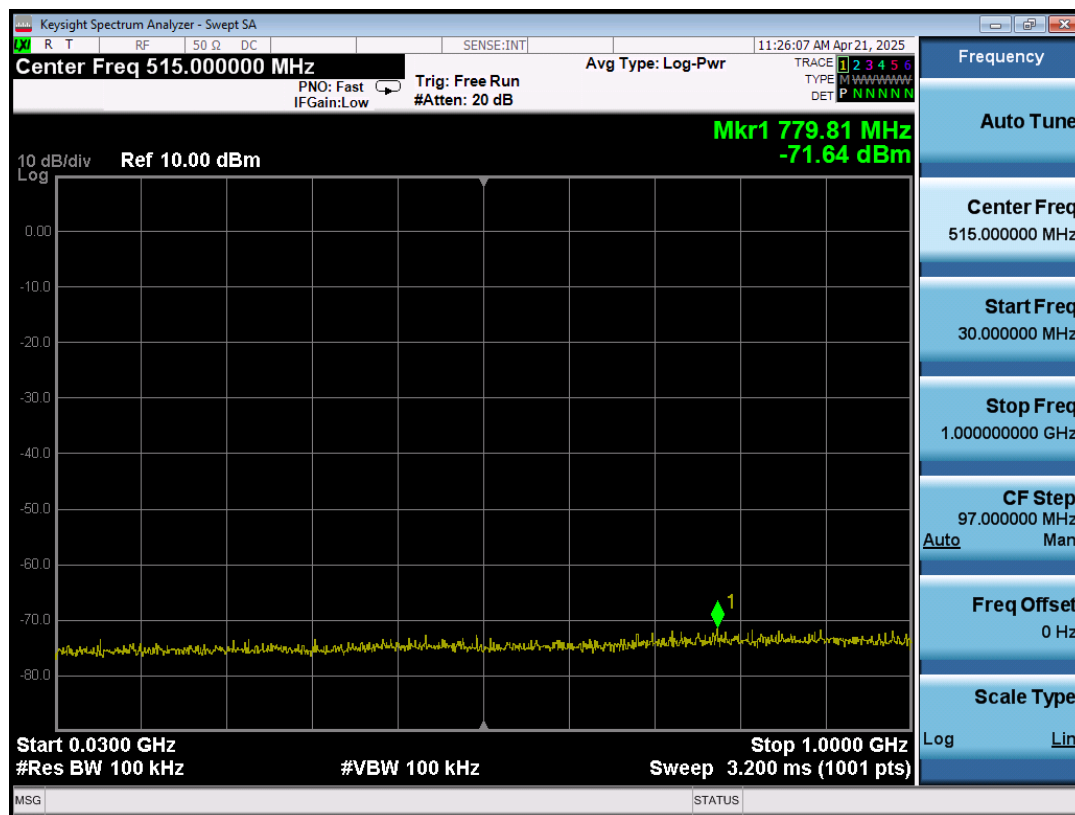
Product : Consumer Tablet
Test Item : Transmitter Spurious Emissions
Test Mode : Mode 3 : Transmit - Normal - 3Mbps
Test Voltage : DC 5V

Frequency (MHz)	Test Freq. (MHz)	Measured Value		Limit (μ W/MHz)	Result
		dBm/MHz	μ W/MHz		
2402	30 ~ 1000	-61.270	0.00075	≤ 2.5	Pass
	1000 ~ 2387	-58.840	0.00131	≤ 2.5	Pass
	2387 ~ 2400	-35.300	0.29512	≤ 25	Pass
	2483.5 ~ 2496.5	-59.070	0.00124	≤ 25	Pass
	2496.5 ~ 12500	-53.860	0.00411	≤ 2.5	Pass
2480	30 ~ 1000	-56.310	0.00234	≤ 2.5	Pass
	1000 ~ 2387	-59.110	0.00123	≤ 2.5	Pass
	2387 ~ 2400	-59.210	0.00120	≤ 25	Pass
	2483.5 ~ 2496.5	-55.180	0.00303	≤ 25	Pass
	2496.5 ~ 12500	-54.070	0.00392	≤ 2.5	Pass

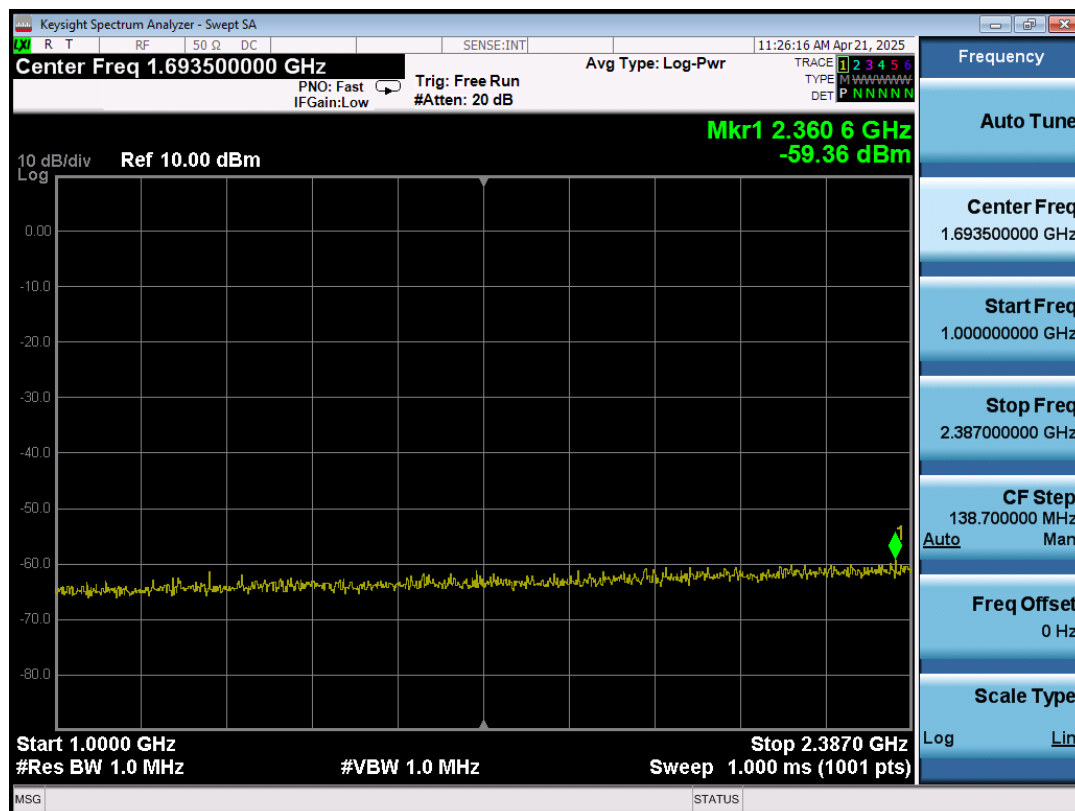
Note:

- (1) The frequency(30~1000MHz) test unit is μ W/100kHz : μ W/MHz = Measured Value(μ W/100kHz) * 10
- (2) Measured Value = Spectrum Reading Value + Cable Loss
- (3) The spectrum plots are attached on the following pages.

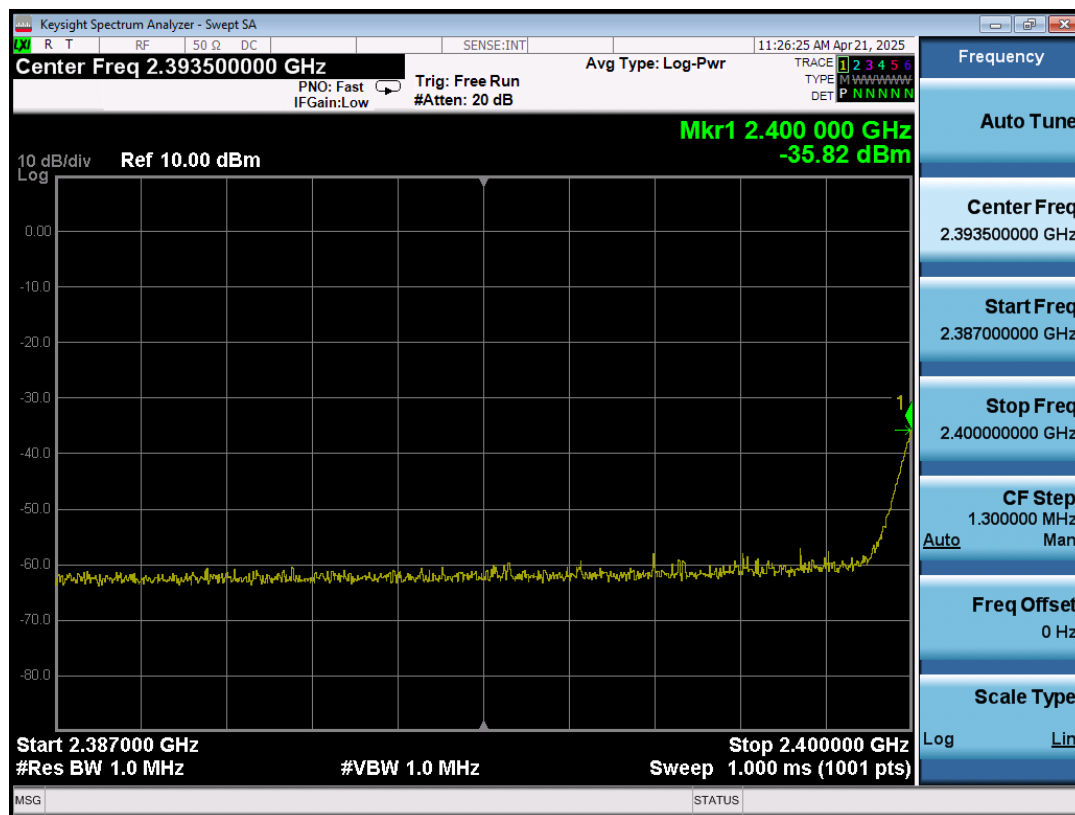
2402MHz ; 30 ~ 1000 MHz



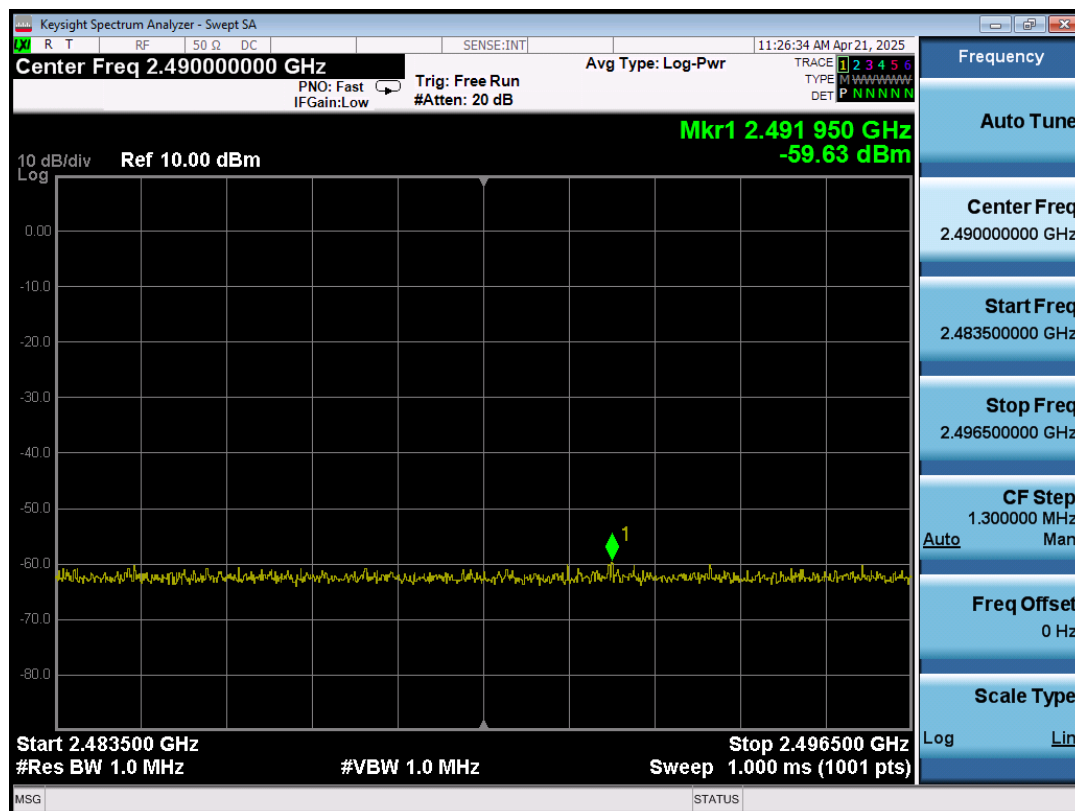
2402MHz ; 1000 ~ 2387 MHz



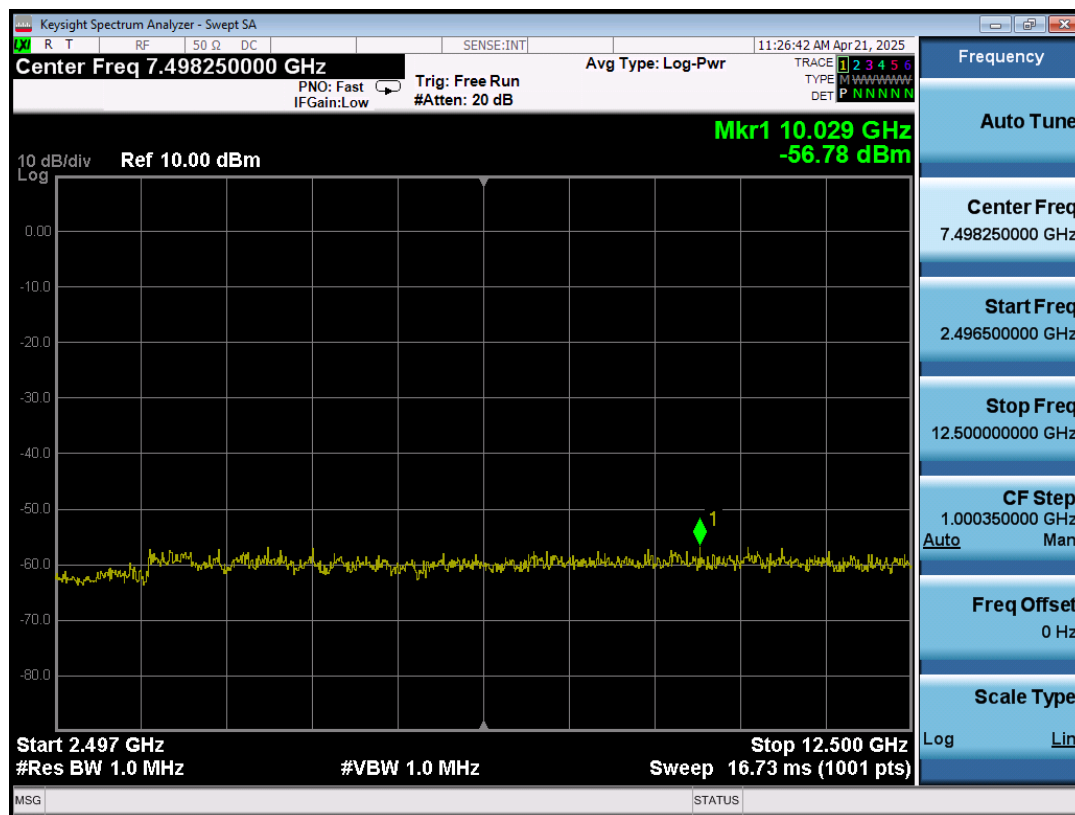
2402MHz; 2387 ~ 2400 MHz



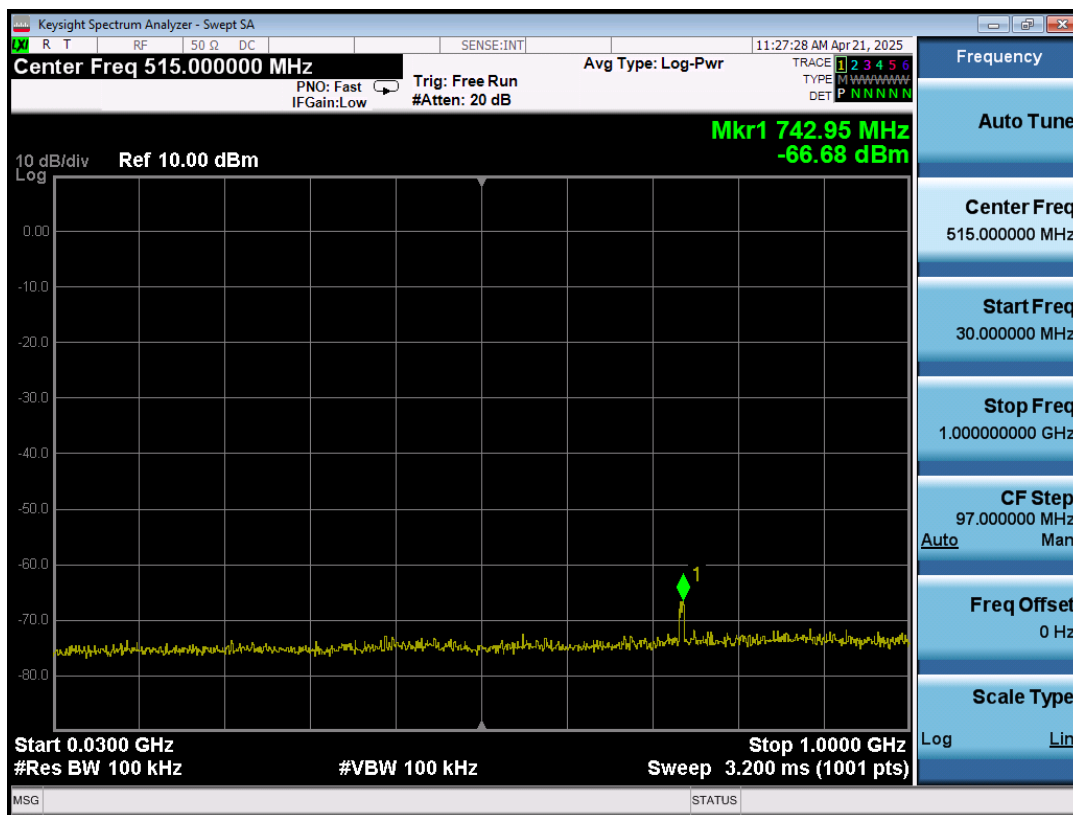
2402MHz; 2483.5 ~ 2496.5 MHz



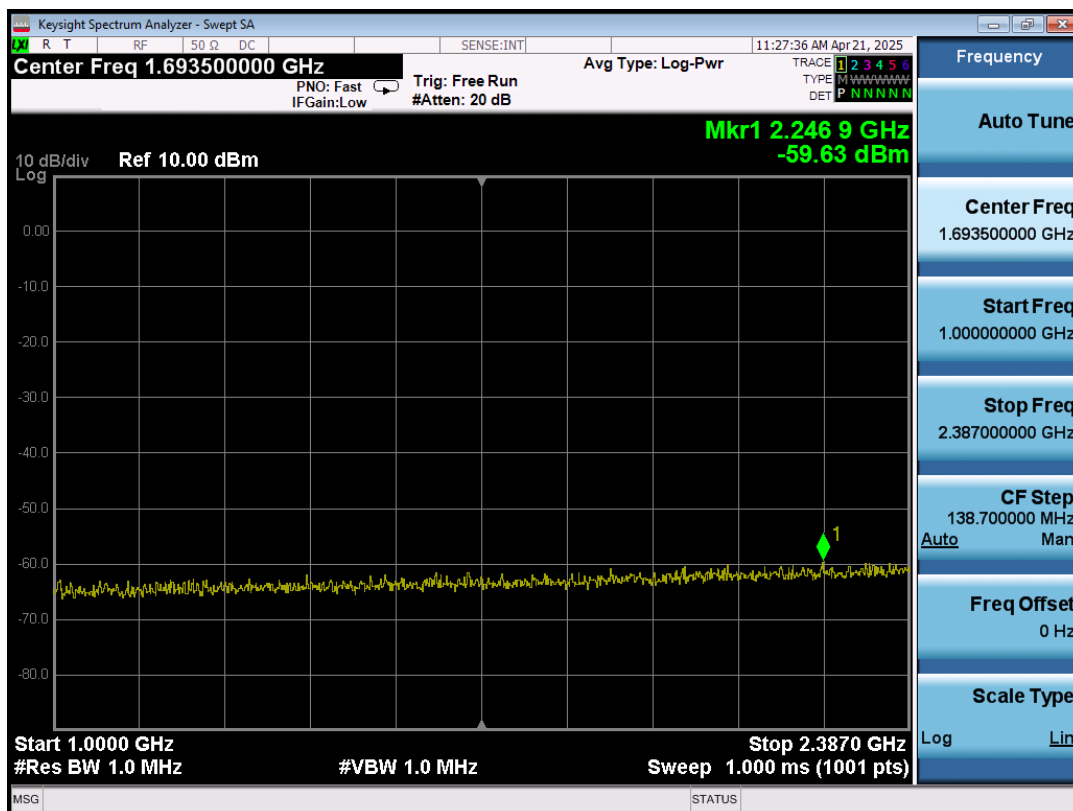
2402MHz; 2496.5 ~ 12500 MHz



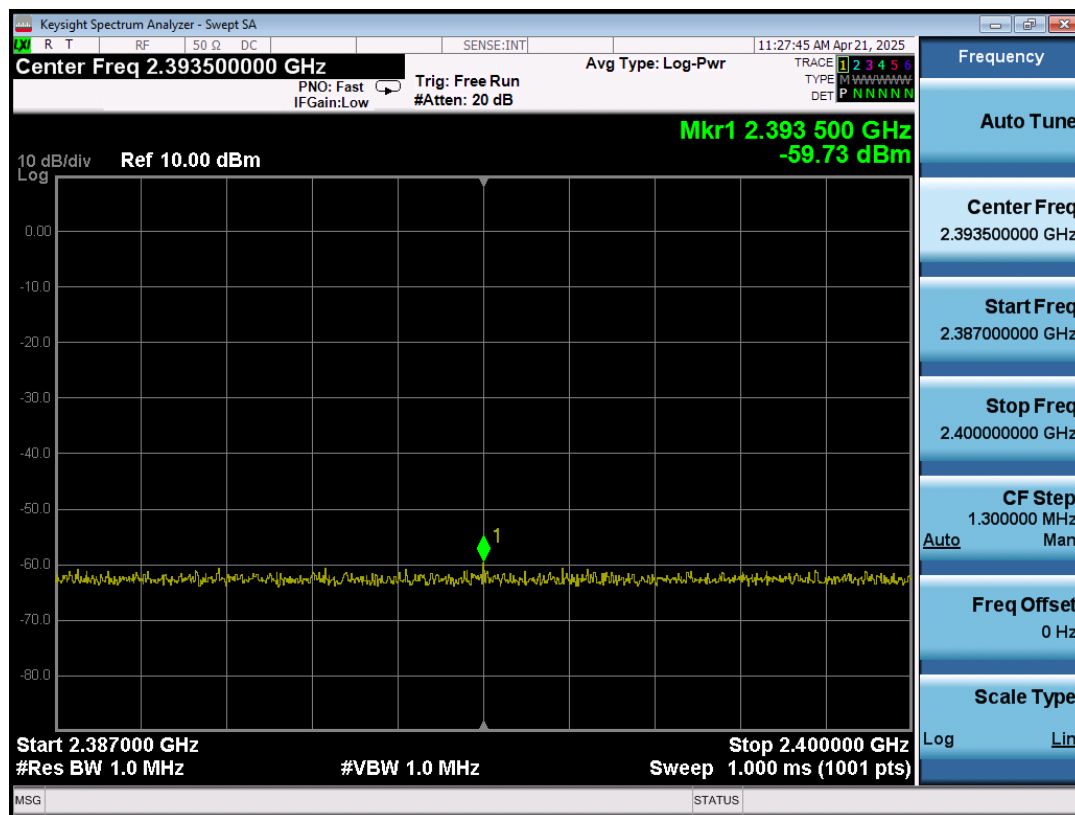
2480MHz ; 30 ~ 1000 MHz



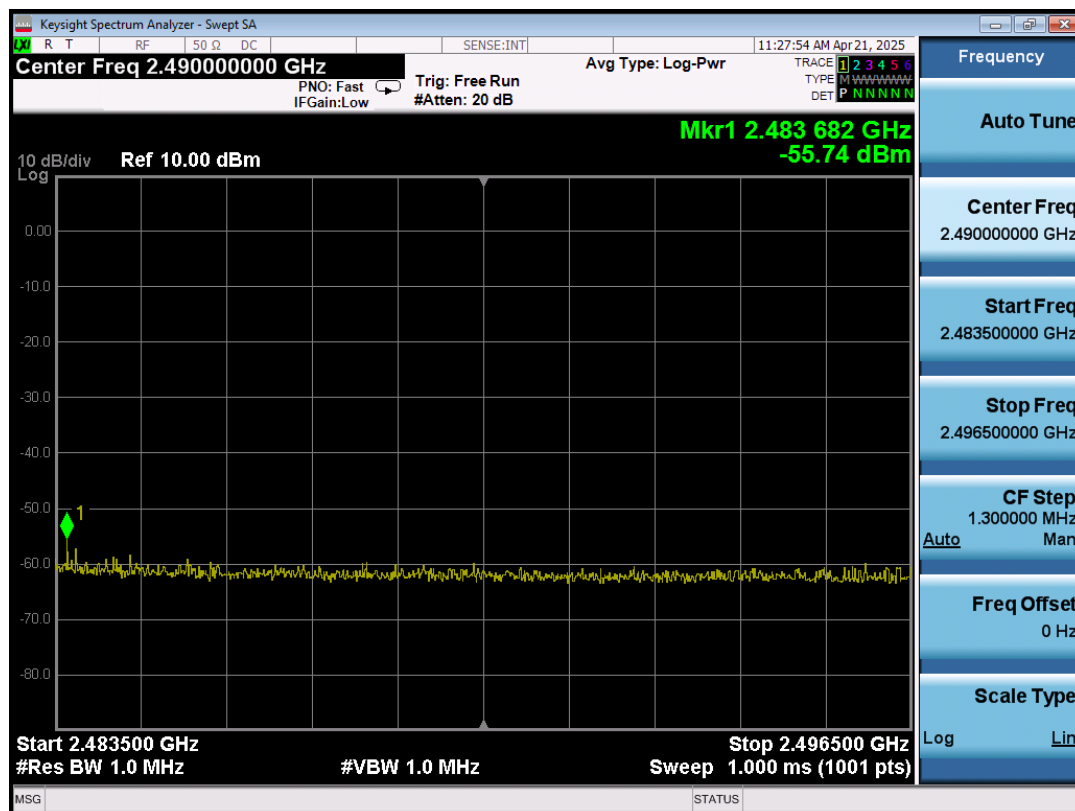
2480MHz ; 1000 ~ 2387 MHz



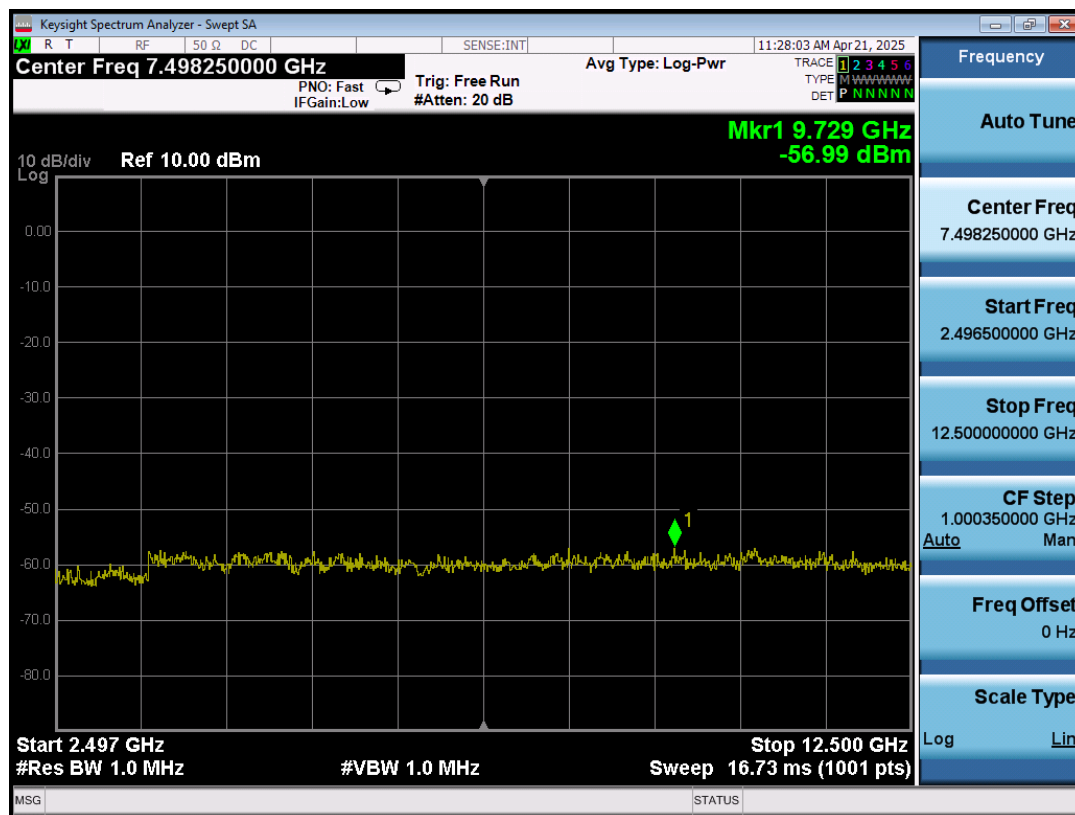
2480MHz ; 2387 ~ 2400 MHz



2480MHz ; 2483.5 ~ 2496.5 MHz



2480MHz ; 2496.5 ~ 12500 MHz



2.6 Secondary Radiated Emission Strength

2.6.1 Limit

Frequency	Limit
30 – 1000 MHz	$\leq 4\text{nW}$
1 – 12.5 GHz	$\leq 20\text{nW}$

2.6.2 Test Setup



2.6.3 Test Procedure

Test method: According to Notification No. 88 of MIC, 2004, Annex 43(Limitation of secondarily emitted radio waves, etc.)

A spectrum analyzer or similar device shall be used to observe a sample of the modulated transmitter's radio frequency power output.

- A positive peak detector function must be used.
- The measurement instrument bandwidth and span must be set sufficiently with, and, the scan time set sufficiently slow, to ensure all major modulation products are captured. Note that the measurement bandwidth should also be set sufficiently narrow to avoid adding significant error to the test result.
- 'Maximum Hold' mode may be used to accumulate the measurement result over several scans provided the emission is repetitive in nature.

2.6.4 Test Result

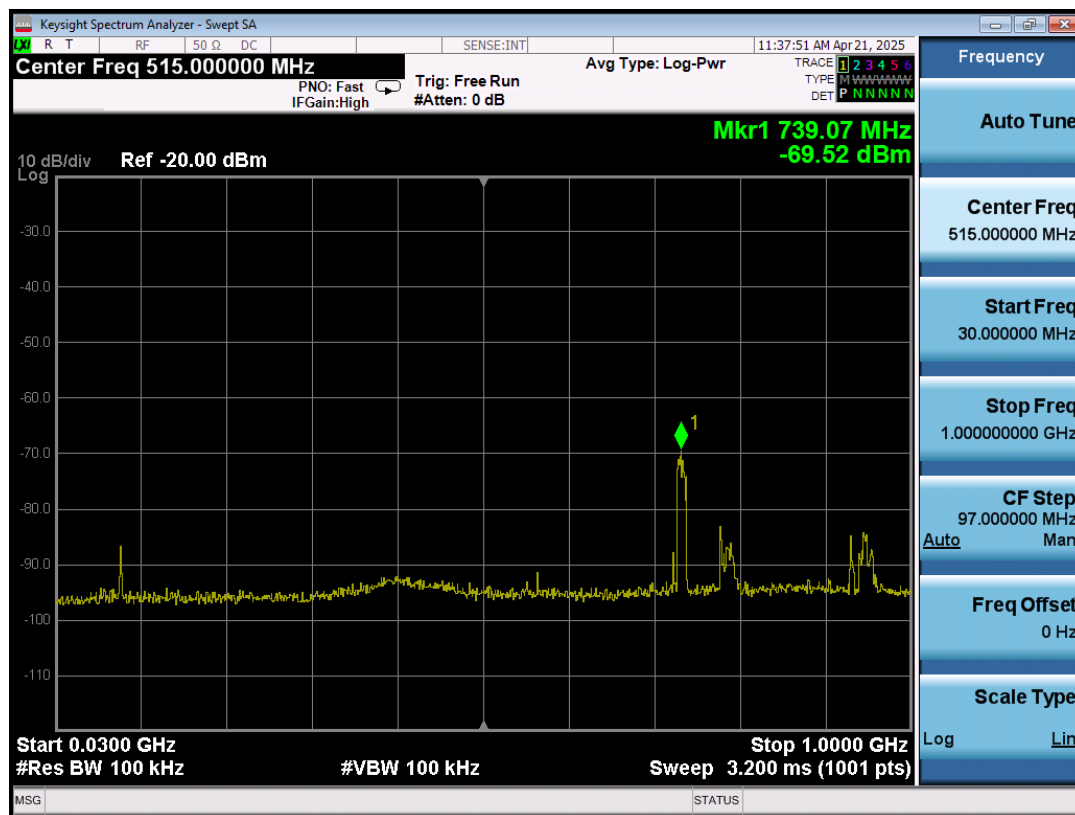
Product : Consumer Tablet
Test Item : Receiver Spurious Emission
Test Mode : Mode 7 : Receiver - Normal - 1Mbps
Test Voltage : DC 5V

Frequency (MHz)	Test Freq. (MHz)	Measured Value		Limit (μ W/MHz)	Result
		dBm/MHz	μ W/MHz		
2402	30 ~ 1000	-69.15	0.1216	≤ 4	Pass
	1000 ~ 12500	-67.22	0.1897	≤ 20	Pass
2480	30 ~ 1000	-69.15	0.1216	≤ 4	Pass
	1000 ~ 12500	-67.22	0.1897	≤ 20	Pass

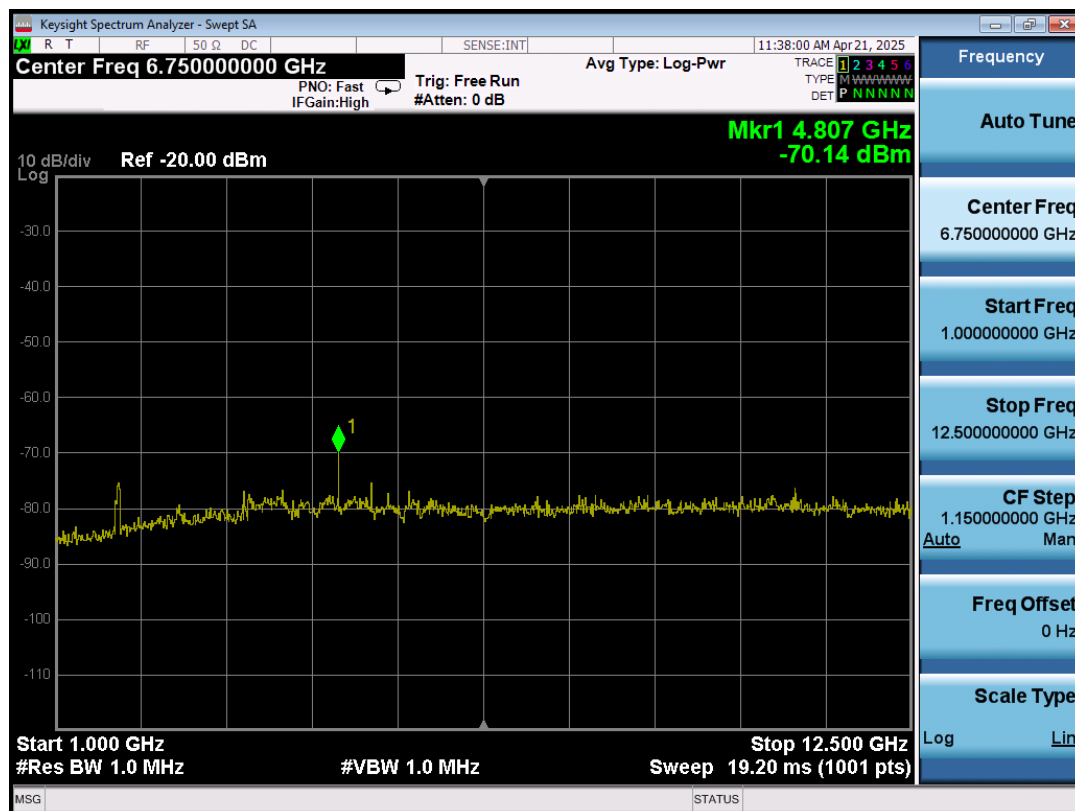
Note:

- (1) Measured Value = Spectrum Reading Value + Cable Loss
- (2) The spectrum plots are attached on the following pages.

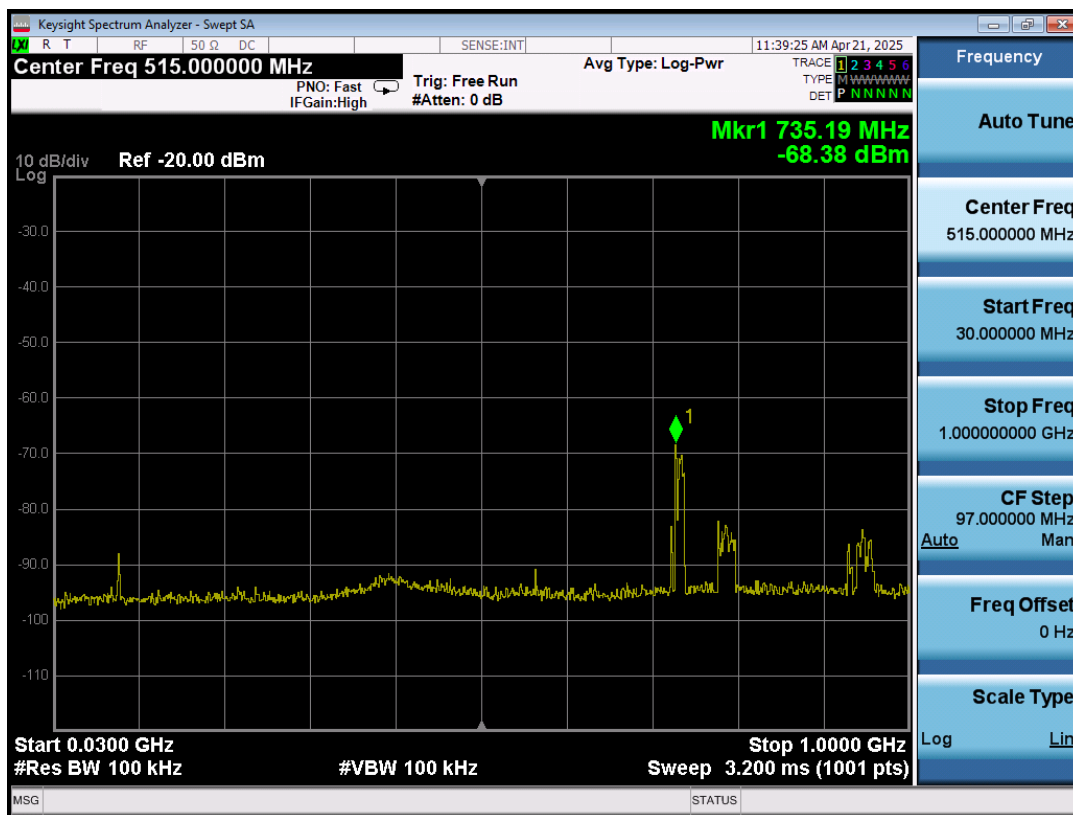
2402MHz ; 30 ~ 1000 MHz



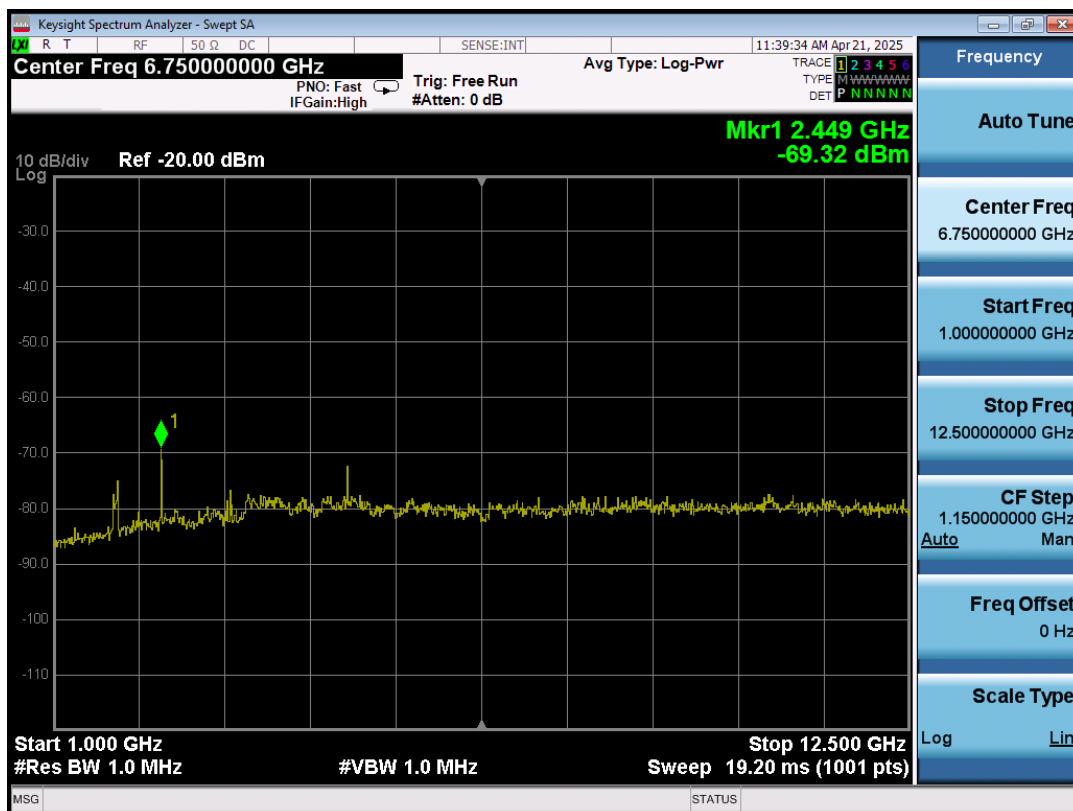
2402MHz ; 1000 ~ 12500 MHz



2480MHz ; 30 ~ 1000 MHz



2480MHz ; 1000 ~ 12500 MHz



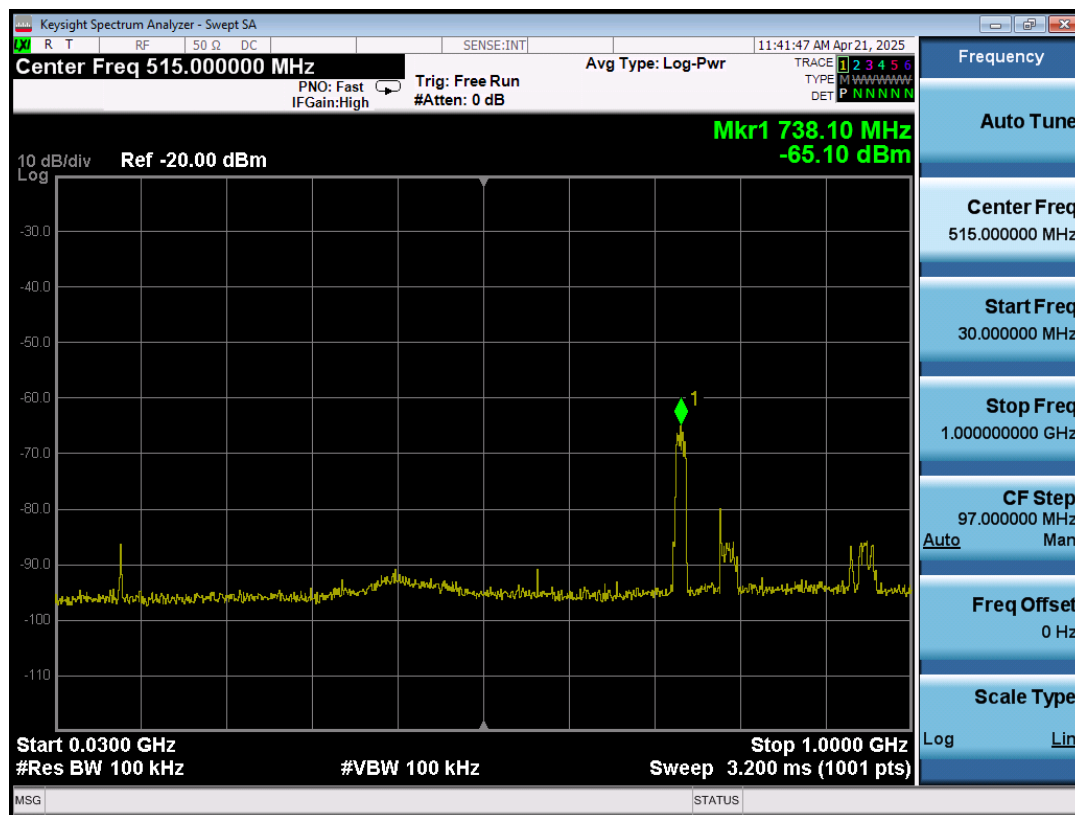
Product : Consumer Tablet
Test Item : Receiver Spurious Emission
Test Mode : Mode 8 : Receiver - Normal - 2Mbps
Test Voltage : DC 5V

Frequency (MHz)	Test Freq. (MHz)	Measured Value		Limit (μ W/MHz)	Result
		dBm/MHz	μ W/MHz		
2402	30 ~ 1000	-64.73	0.3365	≤ 4	Pass
	1000 ~ 12500	-67.68	0.1706	≤ 20	Pass
2480	30 ~ 1000	-69.29	0.1178	≤ 4	Pass
	1000 ~ 12500	-65.13	0.3069	≤ 20	Pass

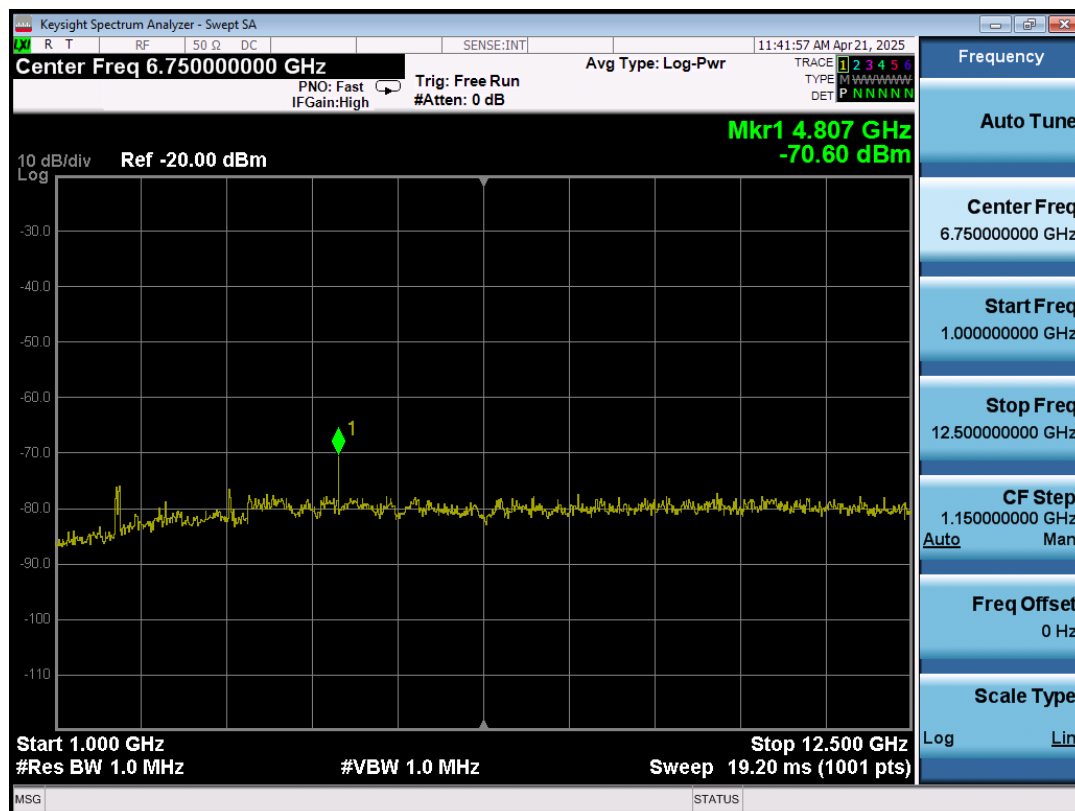
Note:

- (1) Measured Value = Spectrum Reading Value + Cable Loss
- (2) The spectrum plots are attached on the following pages.

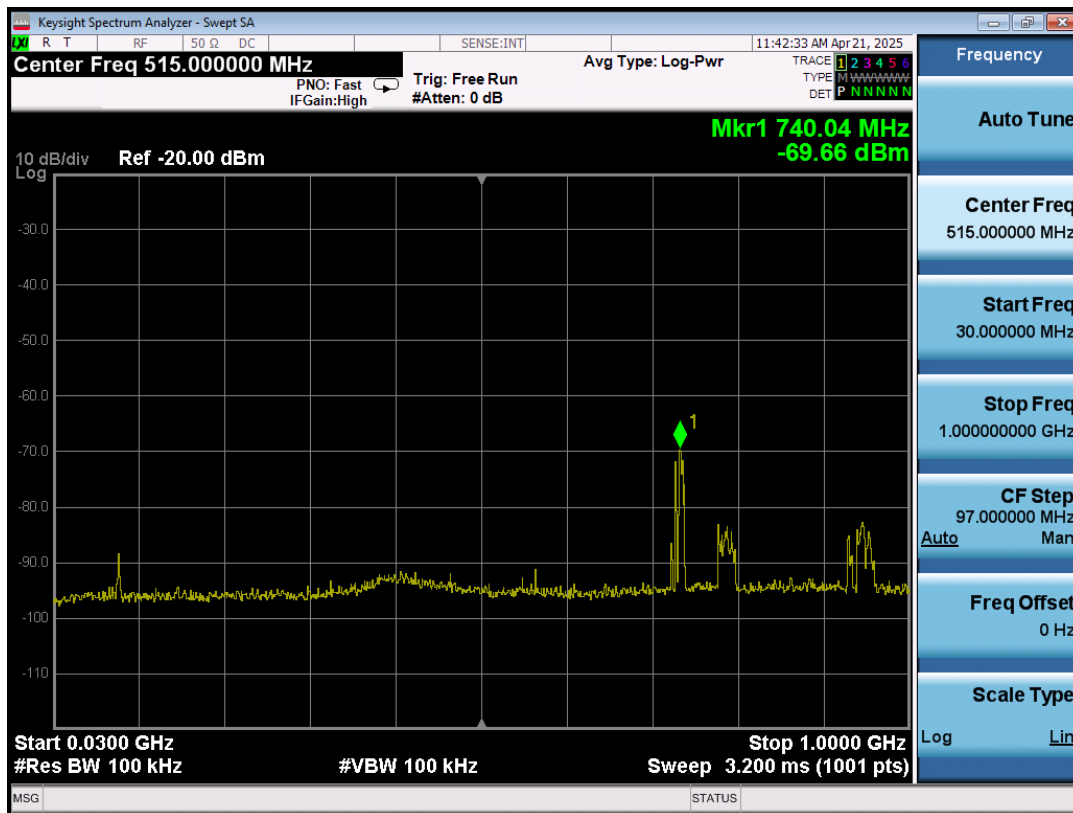
2402MHz ; 30 ~ 1000 MHz



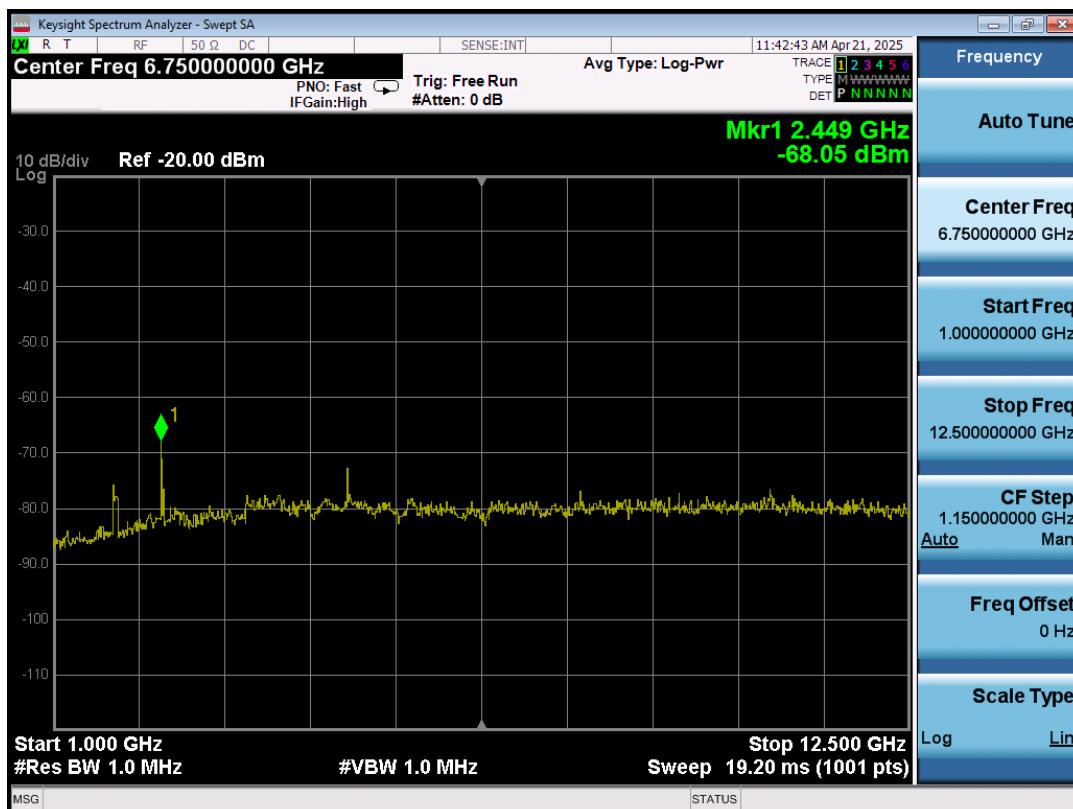
2402MHz ; 1000 ~ 12500 MHz



2480MHz ; 30 ~ 1000 MHz



2480MHz ; 1000 ~ 12500 MHz



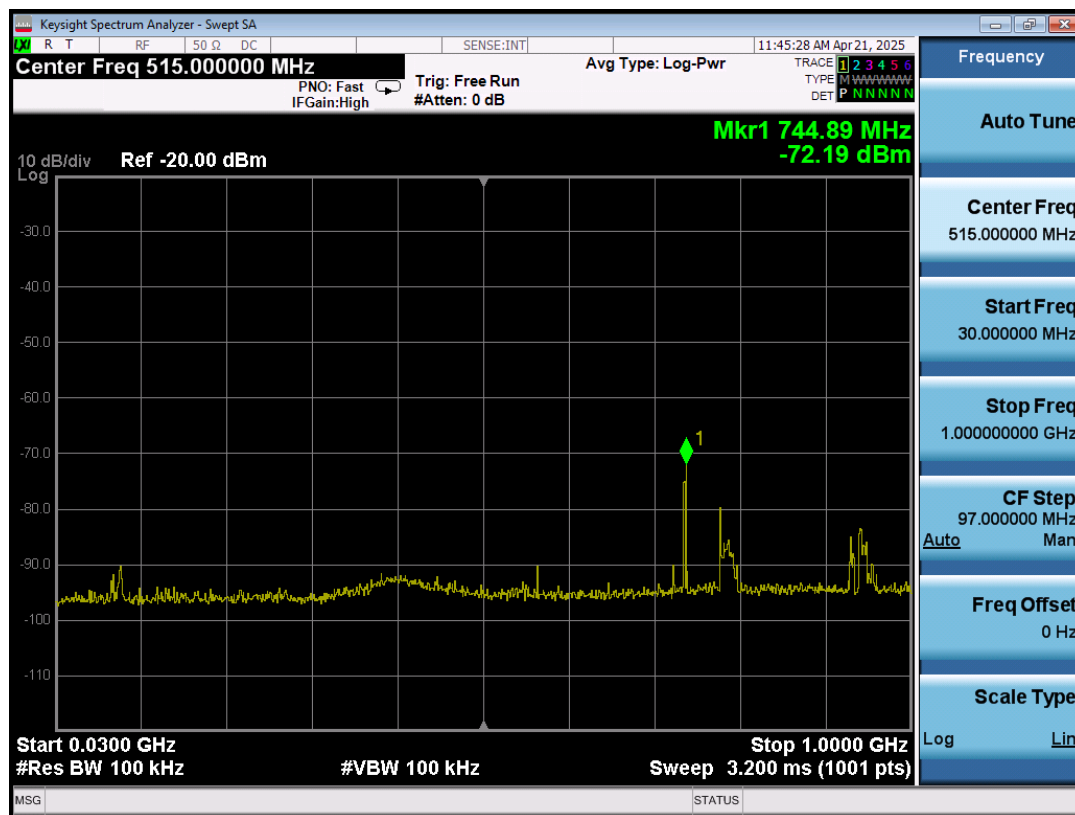
Product : Consumer Tablet
Test Item : Receiver Spurious Emission
Test Mode : Mode 9 : Receiver - Normal - 3Mbps
Test Voltage : DC 5V

Frequency (MHz)	Test Freq. (MHz)	Measured Value		Limit (μ W/MHz)	Result
		dBm/MHz	μ W/MHz		
2402	30 ~ 1000	-71.82	0.0658	≤ 4	Pass
	1000 ~ 12500	-64.36	0.3664	≤ 20	Pass
2480	30 ~ 1000	-80.07	0.0098	≤ 4	Pass
	1000 ~ 12500	-69.15	0.1216	≤ 20	Pass

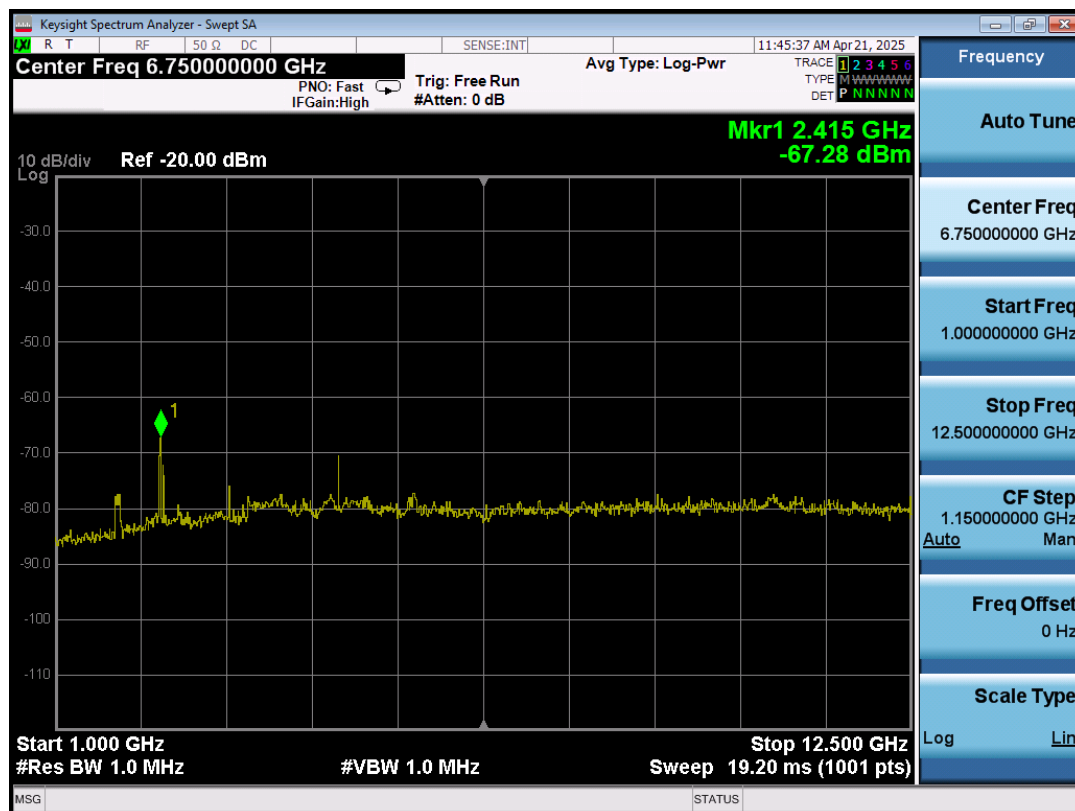
Note:

- (1) Measured Value = Spectrum Reading Value + Cable Loss
- (2) The spectrum plots are attached on the following pages.

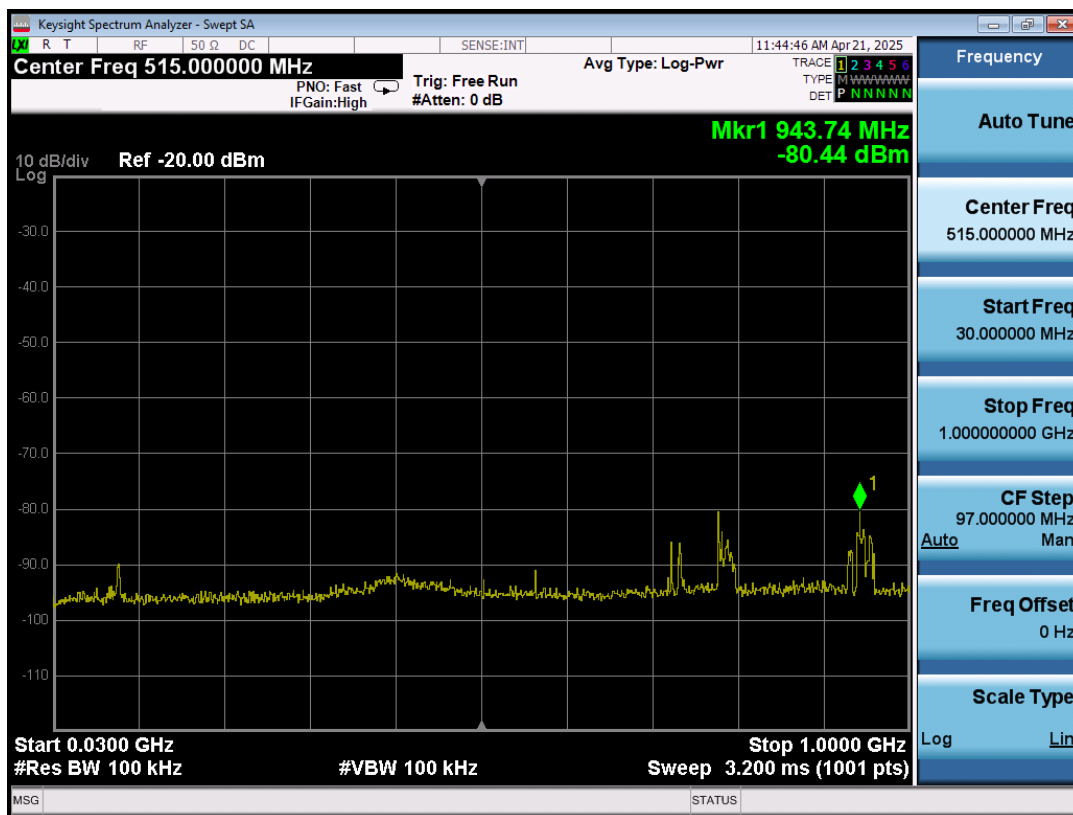
2402MHz ; 30 ~ 1000 MHz



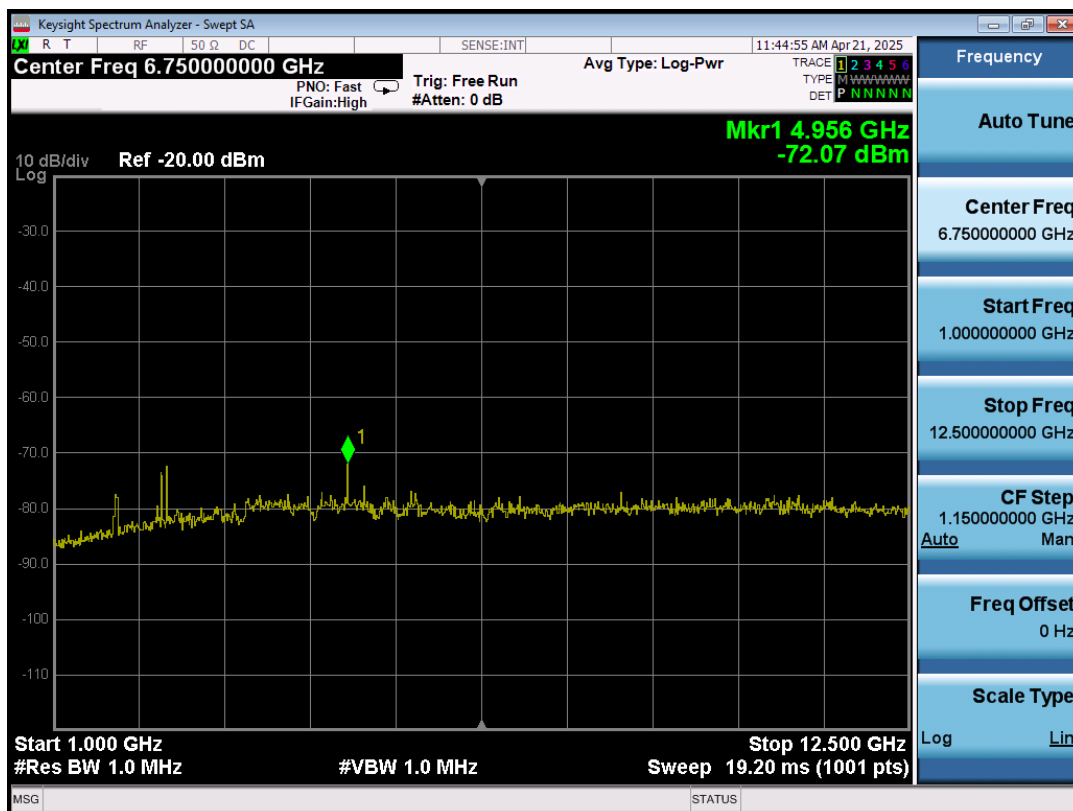
2402MHz ; 1000 ~ 12500 MHz



2480MHz ; 30 ~ 1000 MHz



2480MHz ; 1000 ~ 12500 MHz



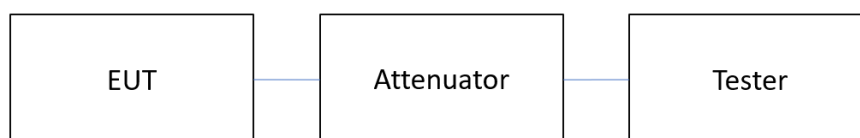
2.7 Interference Prevention Function

2.7.1 Limit

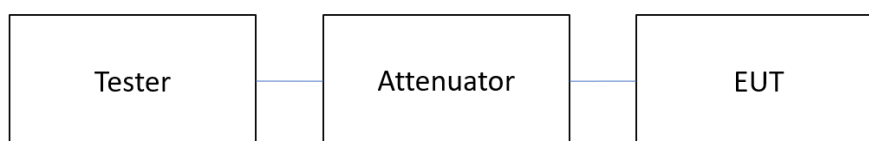
Item	Limit
Identification code	≥ 48 bits

2.7.2 Test Setup

- (1) When sending an identification code



- (2) When receiving an identification code



2.7.3 Test Procedure

Test method: According to Notification No. 88 of MIC, 2004, Annex 43(Interference Prevention Function)

1. When EUT has a function to automatically transmit an identification code
 - (a) Transmit the identification code specified in the Equipment Regulations from the test equipment.
 - (b) Check the identification code sent by the demodulator.
2. When the test equipment has a function to automatically receive the identification code
 - (a) Transmit the identification code specified in the Equipment Regulations from the counterpart device.
 - (b) Confirm that communication is performed with the EUT using the dedicated jig.
 - (c) Transmit a code different from the identification code specified in the Equipment Regulations from the counterpart device.
 - (d) Confirm that EUT stops transmission or displays that the identification code is different.

2.7.4 Test Result

The Mac Address is 00:90:07:85:25:43

80	08	00	04	74	df	0f	00	00	00	00	00	00	00	00	00
90	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
a0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
b0	00	00	00	00	00	00	00	00	00	00	00	00	70	61	f2 04
c0	75	59	7c	71	00	00	00	00	00	00	00	00	00	00	00
d0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	20
e0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
f0	00	00	02	00	00	00	00	00	00	44	00	00	00	00	00
100	00	04	00	00	00	00	00	00	00	00	00	00	00	00	00
110	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
120	00	00	00	00	00	00	00	00	00	00	00	00	02	22	02 29
130	02	29	00	00	00	00	00	67	00	90	07	85	25	43	00
140	00	00	00	00	00	ff	ff	01	00	00	00	00	00	11	00
150	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00

Attachment 1: Photographs of the Test Configuration

Spectrum Measurement



--- END ---