FCC PART 15.247
TEST REPORT

For

Waylens Inc.

2711 Centerville Road - Suite 400, Wilmington, Delaware, United States

FCC ID: 2AKAF-CAM17

Report Type:	**Product Name:**
Original Report	AI Recorder I

Report Number:	RSHA240530002-00C
Report Date:	2024-07-30
Reviewed By:	Bard Liu
Approved By:	Kyle Xu
Prepared By:	Bay Area Compliance Laboratories Corp. (Kunshan) No.248 Chenghu Road, Kunshan, Jiangsu Province, China Tel: +86-512-86175000 Fax: +86-512-88934268 www.baclcorp.com.cn

TABLE OF CONTENTS

REPORT REVISION HISTORY

Number of Revisions	Report No.	Version	Issue Date	Description
0	RSHA240530002-00C	R1V1	2024-07-30	Initial Release

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Applicant:	Waylens Inc.
Product Name:	AI Recorder I
Tested Model:	CAM17
Power Supply:	DC 12V or DC 3.7V from battery
RF Function:	Classic BT
Operating Band/Frequency:	2402-2480 MHz
Maximum Output Power:	GFSK: 5.87 dBm π/4-DQPSK: 6.70 dBm 8DPSK: 7.03 dBm
Channel Number:	79
Channel Separation:	1 MHz
Modulation Type:	GFSK, π/4-DQPSK, 8DPSK
Antenna Type:	FPC Antenna
★Maximum Antenna Gain:	2.93 dBi

Note: The maximum antenna gain was declared by the manufacturer.

All measurement and test data in this report was gathered from production sample serial number: RSHA240530002-1 (Assigned by the BACL (Kunshan). The EUT supplied by the applicant was received on 2024-05-30.)

Objective

This test report is prepared for *Waylens Inc.* in accordance with Part 2-Subpart J, Part 15-Subparts A and C of the Federal Communication Commissions rules.

The tests were performed in order to determine Compliance with FCC Part 15, Subpart C, section 15.203, 15.205, 15.209 and 15.247 rules.

Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2013, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices and 558074 D01 15.247 Meas Guidance v05r02.

Measurement Uncertainty

Item		Uncertainty
AC Power Lines Conducted Emissions		3.19dB
RF conducted test with spectrum		0.9dB
RF Output Power with Power meter		0.5dB
Radiated emission	9 kHz~150 kHz	3.8dB
	150 kHz~30 MHz	3.4dB
	30MHz~1GHz	6.11dB
	1GHz~6GHz	4.45dB
	6GHz~18GHz	5.23dB
	18GHz~40GHz	5.65dB
Occupied Bandwidth		0.5kHz
Temperature		1.0℃
Humidity		6%

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Kunshan) to collect test data is located on the No.248 Chenghu Road, Kunshan, Jiangsu Province, China.

Bay Area Compliance Laboratories Corp. (Kunshan) is accredited in accordance with ISO/IEC 17025:2017 by NVLAP (Lab code: 600338-0), and the lab has been recognized as the FCC accredited lab under the KDB 974614 D01, the FCC Designation No. : CN5055.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

Channel list:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	40	2442
1	2403	…	…
…	…	…	…
…	…	78	2480
39	2441	/	/

EUT was tested with Channel 0, 39 and 78.

EUT Exercise Software

RF Test Tool: Xshell

★Power level: 44

Note: The power level was declared by the applicant.

Special Accessories

No special accessory.

Equipment Modifications

No modification was made to the EUT tested.

Support Equipment List and Details

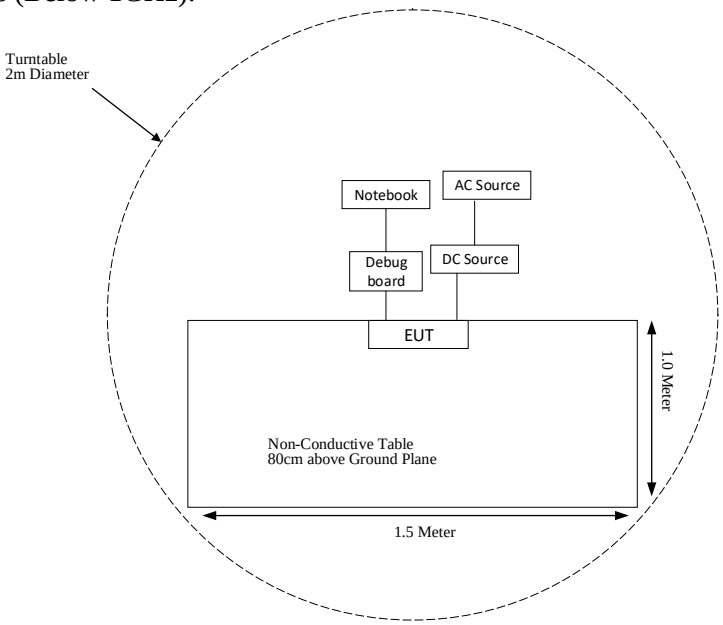
Manufacturer	Description	Model	Serial Number
Shenzhen Zhaoxin Electronic Instrument Equipment Co., Ltd.	DC Source	PS-6005D	18P6005D10724
/	Debugboard	/	/
DELL	Notebook	015K3N	00190-098-766-241

External I/O Cable

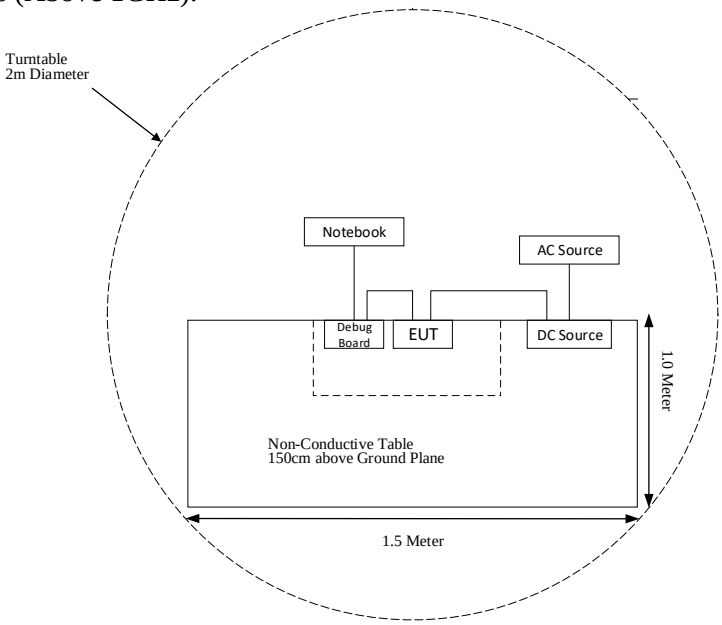
Cable Description	Length (m)	From Port	To
Power Cable 1	1.5	EUT	DC Source
Power Cable 2	1.0	DC Source	AC Source
USB Cable 1	0.2	EUT	Debug board
USB Cable 2	5.0	Debug board	Notebook

Block Diagram of Test Setup

For Radiated Emissions (Below 1GHz):



For Radiated Emissions (Above 1GHz):



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§15.203	Antenna Requirement	Compliant
§15.207(a)	AC Line Conducted Emissions	Not Applicable (See Note)
§15.205, §15.209 & §15.247(d)	Radiated Emissions & Restricted Bands Emissions	Compliant
§15.247(a)(1)	20 dB Emission Bandwidth	Compliant
§15.247(a)(1)	Channel Separation Test	Compliant
§15.247(a)(1)(iii)	Time of Occupancy (Dwell Time)	Compliant
§15.247(a)(1)(iii)	Quantity of hopping channel Test	Compliant
§15.247(b)(1)	Peak Output Power Measurement	Compliant
§15.247(d)	Band edges	Compliant
§15.247 (I), §1.1310 & §2.1091	Maximum Permissible Exposure (MPE)	Compliant

Note: The EUT is a vehicular equipment.

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Radiated Emission Test (Chamber #1)					
Rohde & Schwarz	EMI Test Receiver	ESCI	100195	2024-04-23	2025-04-22
Sunol Sciences	Broadband Antenna	JB3	A090314-1	2023-11-11	2024-11-10
Narda	6dB Attenuator	773-6	10690812-2-1	2023-11-11	2024-11-10
ETS-LINDGREN	Loop Antenna	6512	108100	2023-11-09	2024-11-08
Sonoma Instrument	Pre-amplifier	310N	171205	2024-04-23	2025-04-22
Rohde & Schwarz	Auto Test Software	EMC32	100361	N/A	N/A
MICRO-COAX	Coaxial Cable	Cable-8	008	2024-04-23	2025-04-22
MICRO-COAX	Coaxial Cable	Cable-9	009	2024-04-23	2025-04-22
MICRO-COAX	Coaxial Cable	Cable-10	010	2024-04-23	2025-04-22
Radiated Emission Test (Chamber #2)					
Rohde & Schwarz	EMI Test Receiver	ESU40	100207/040	2024-04-25	2025-04-24
ETS-LINDGREN	Horn Antenna	3115	9311-4159	2023-12-02	2024-12-01
ETS-LINDGREN	Horn Antenna	3116	2516	2023-12-08	2024-12-07
A.H.Systems, inc	Amplifier	PAM-0118P	512	2024-04-25	2025-04-24
SELECTOR	Amplifier	EM18G40G	060726	2024-04-25	2025-04-24
MICRO-TRONICS	Band Reject Filter	BRM50702	G024	2023-08-05	2024-08-04
Narda	Attenuator	10dB	010	2023-08-15	2024-08-14
Rohde & Schwarz	Auto test Software	EMC32	100361	N/A	N/A
MICRO-COAX	Coaxial Cable	Cable-6	006	2024-04-23	2025-04-22
MICRO-COAX	Coaxial Cable	Cable-11	011	2024-04-23	2025-04-22
MICRO-COAX	Coaxial Cable	Cable-12	012	2024-04-23	2025-04-22
MICRO-COAX	Coaxial Cable	Cable-13	013	2024-04-23	2025-04-22
RF Conducted Test					
Rohde & Schwarz	Spectrum Analyzer	FSV40-N	103298	2024-04-24	2025-04-23
Rohde & Schwarz	Spectrum Analyzer	FSIQ26	100048	2024-04-24	2025-04-23
Narda	Attenuator	10dB	010	2024-04-23	2025-04-22

Statement of Traceability: Bay Area Compliance Laboratories Corp. (Kunshan) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

FCC §15.203 – ANTENNA REQUIREMENT

Applicable Standard

According to FCC § 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Antenna Connector Construction

The EUT has an FPC antenna which was permanently attached, and the antenna gain is 2.93 dBi, fulfill the requirement of this section. Please refer to the EUT photos.

Result: Compliant.

FCC §1.1310 & §2.1091- MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Applicable Standard

According to subpart 15.247 (i) and subpart 1.1310, 2.1091 systems operating under the provisions of this section shall be operated in a manner that ensures the public is not exposed to RF energy level in excess of the communication guidelines.

Limits for General Population/Uncontrolled Exposure				
Frequency Range (MHz)	**Electric Field Strength (V/m)**	**Magnetic Field Strength (A/m)**	**Power Density (mW/cm^2)**	**Averaging Time (minutes)**
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*($180/f^2$)	30
30-300	27.5	0.073	0.2	30
300-1500	/	/	f/1500	30
1500-100,000	/	/	1.0	30

f = frequency in MHz; * = Plane-wave equivalent power density

Calculated Formulary:

Predication of MPE limit at a given distance

$S = PG/4\pi R^2$ = power density (in appropriate units, e.g. mW/cm^2);
P = power input to the antenna (in appropriate units, e.g., mW);
G = power gain of the antenna in the direction of interest relative to an isotropic radiator, the power gain factor, is normally numeric gain;
R = distance to the center of radiation of the antenna (appropriate units, e.g., cm);

For simultaneously transmit system, the calculated power density should comply with:

$$\sum_i \frac{S_i}{S_{Limit,i}} \leqslant 1.0$$

Calculated Data:

Mode	Frequency Range (MHz)	Antenna Gain		Tune-up Output Power★		Evaluation Distance (cm)	Power Density (mW/cm^2)	MPE Limit (mW/cm^2)	MPE radio
		(dBi)	(numeric)	(dBm)	(mW)				
2.4G WIFI	2412~2462	2.93	1.96	24.0	251.19	20	0.0979	1.0	0.0979
BLE	2402-2480	2.93	1.96	4.0	2.51	20	0.0010	1.0	0.0010
BT	2402-2480	2.93	1.96	7.50	5.62	20	0.0022	1.0	0.0022
LTE Band 2	1850-1910	3.01	2.00	25.0	316.23	20	0.1258	1.0	0.1258
LTE Band 4	1710-1755	1.59	1.44	25.0	316.23	20	0.0906	1.0	0.0906
LTE Band 5	824-849	0.05	1.01	25.0	316.23	20	0.0636	0.5493	0.1158
LTE Band 12	699-716	-3.80	0.42	25.0	316.23	20	0.0262	0.4660	0.0562
LTE Band 17	704-716	-3.80	0.42	25.0	316.23	20	0.0262	0.4693	0.0558
LTE Band 66	1710-1780	1.84	1.53	25.0	316.23	20	0.0962	1.0	0.0962

Note:
1. For the above tune up power were declared by the manufacturer.
2. The devices contain certified WWAN Module, FCC ID: 2AKAF-MDM01
3. 2.4G Wi-Fi , LTE can transmit simultaneously（worst case）.

$$\sum_i \frac{S_i}{S_{Limit,i}} = 0.0979+0.1258=0.2237 < 1.0$$

Result: The device meet FCC MPE at 20 cm distance.

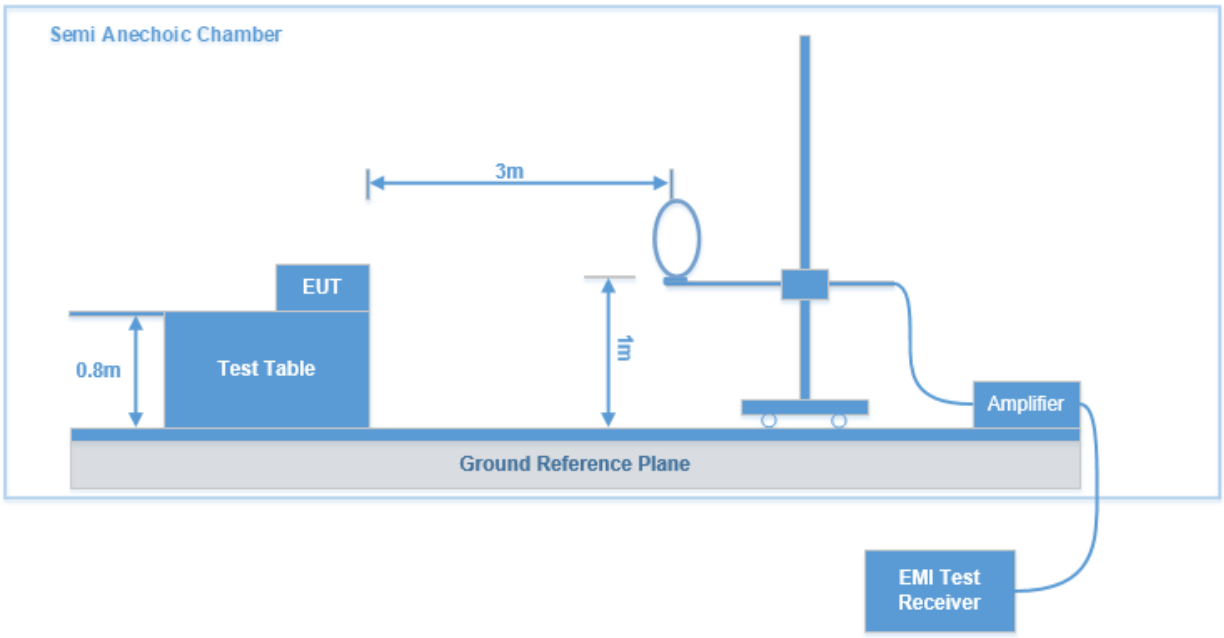
FCC §15.205, §15.209 & §15.247(d) – RADIATED EMISSIONS

Applicable Standard

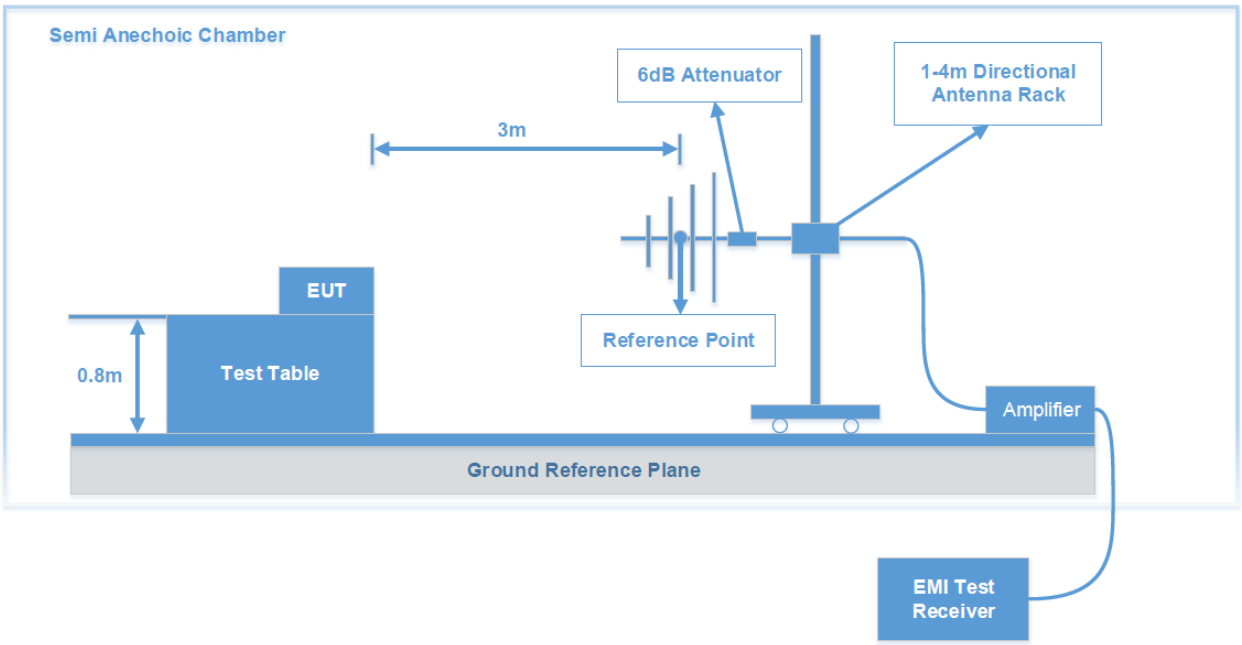
FCC §15.205; §15.209; §15.247(d)

Test System Setup

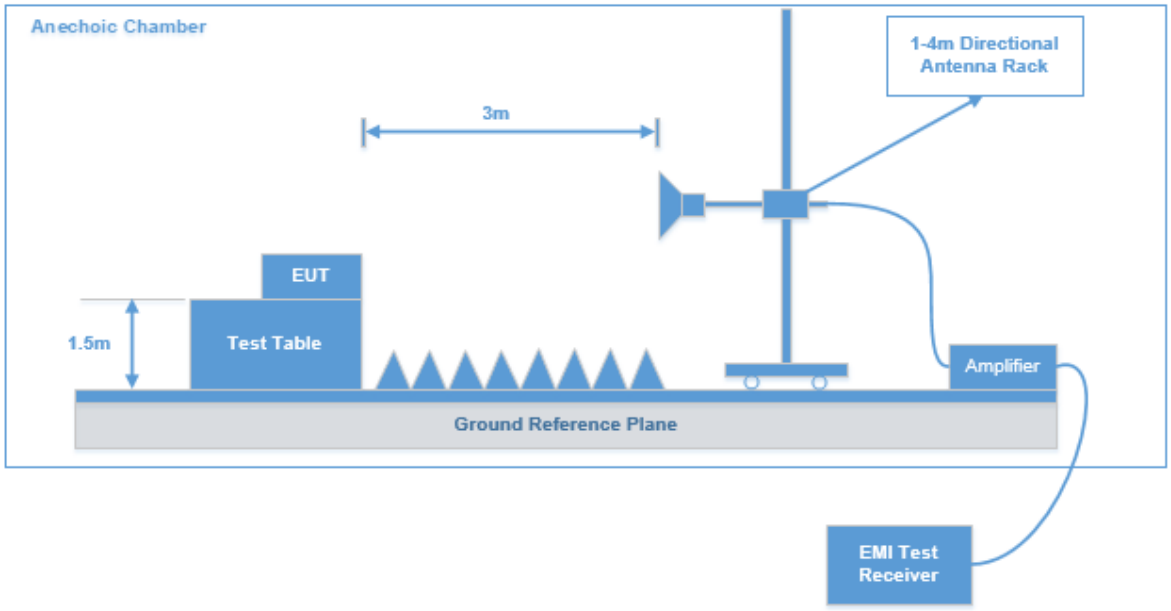
9 kHz-30MHz:



30MHz-1GHz:



Above 1GHz:



The radiated emission tests were performed in the 3 meters, using the setup accordance with the ANSI C63.10-2013. The specification used was the FCC 15.209 and FCC 15.247 limits.

EMI Test Receiver Setup

The system was investigated from 9 kHz to 25 GHz.

During the radiated emission test, the EMI test receiver Setup was set with the following configurations:

Frequency Range	RBW	VBW	IF B/W	Measurement
9 kHz – 150 kHz	200 Hz	1 kHz	200 Hz	QP/Average
150 kHz – 30 MHz	9 kHz	30 kHz	9 kHz	QP/ Average
30 MHz – 1000 MHz	100 kHz	300 kHz	/	Peak
	/	/	120 kHz	QP
Above 1GHz	1MHz	3 MHz	/	Peak
	1MHz	3 MHz	/	Average

Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

If the measured peak level of the emissions that the measuring receiver reading level plus corrected factor is at least 6 dB below the QP emission limit, there's no need to record the measured QP level of the emissions in the report.

For 9 kHz-30MHz test, the lowest height of the magnetic antenna shall be 1 m above the ground and three antenna orientations (parallel, perpendicular, and ground-parallel) shall be measured.

Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain from the Meter Reading. The basic equation is as follows:

Corrected Amplitude (dBμV/m) = Meter Reading (dBμV) + Antenna Factor (dB/m) + Cable Loss (dB) - Amplifier Gain (dB)

The "Margin" column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

Note: The QuasiPeak (dBμV/m), MaxPeak (dBμV/m), Average (dBμV/m) which shown in the data table are all Corrected Amplitude.

Test Results Summary

According to the recorded data in following table, the EUT complied with the FCC Title 47, Part 15, Subpart C, section 15.205, 15.209 and 15.247.

Test Data: See Appendix

FCC §15.247(a) (1)-CHANNEL SEPARATION TEST

Applicable Standard

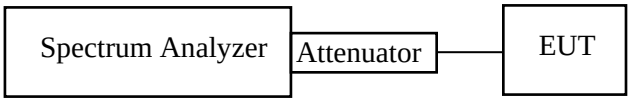
Frequency hopping systems shall have hoping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater provided the systems operate with an output power no greater than 125 mW.

Test Procedure

The EUT shall have its hopping function enabled. Use the following spectrum analyzer settings:

a. Span: Wide enough to capture the peaks of two adjacent channels.
b. RBW: Start with the RBW set to approximately 30% of the channel spacing; adjust as necessary to best identify the center of each individual channel.
c. Video (or average) bandwidth (VBW) ≥ RBW.
d. Sweep: Auto.
e. Detector function: Peak.
f. Trace: Max hold.
g. Allow the trace to stabilize.

Use the marker-delta function to determine the separation between the peaks of the adjacent channels.



Test Data: See Appendix

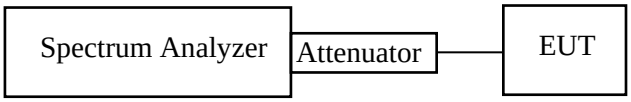
FCC §15.247(a) (1) – 20 dB EMISSION BANDWIDTH

Applicable Standard

Alternatively, frequency hopping systems operating in the 2400–2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW.

Test Procedure

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT without connection to measurement instrument. Turn on the EUT and connect it to measurement instrument. Then set it to any one convenient frequency within its operating range. Set a reference level on the measuring instrument equal to the highest peak value.
3. Measure the frequency difference of two frequencies that were attenuated 20 dB from the reference level. Record the frequency difference as the emission bandwidth.
4. Repeat above procedures until all frequencies measured were complete.



Test Data: See Appendix

FCC §15.247(a) (1) (iii)-QUANTITY OF HOPPING CHANNEL TEST

Applicable Standard

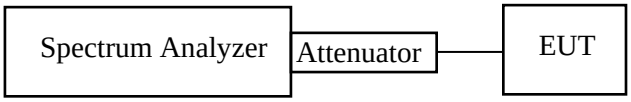
Frequency hopping systems in the 2400–2483.5 MHz band shall use at least 15 channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.

Test Procedure

The EUT shall have its hopping function enabled. Use the following spectrum analyzer settings:

a. Span: The frequency band of operation. Depending on the number of channels the device supports, it may be necessary to divide the frequency range of operation across multiple spans, to allow the individual channels to be clearly seen.
b. RBW: To identify clearly the individual channels, set the RBW to less than 30% of the channel spacing or the 20 dB bandwidth, whichever is smaller.
c. VBW ≥ RBW.
d. Sweep: Auto.
e. Detector function: Peak.
f. Trace: Max hold.
g. Allow the trace to stabilize.

It might prove necessary to break the span up into subranges to show clearly all of the hopping frequencies.



Test Data: See Appendix

FCC §15.247(a) (1) (iii) - TIME OF OCCUPANCY (DWELL TIME)

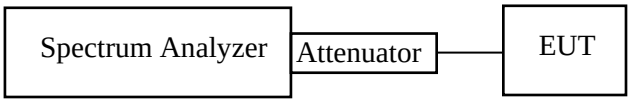
Applicable Standard

Frequency hopping systems in the 2400-2483.5 MHz shall use at least 15 channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.

Test Procedure

The EUT shall have its hopping function enabled. Use the following spectrum analyzer settings:

a Span: Zero span, centered on a hopping channel.
b RBW shall be ≤ channel spacing and where possible RBW should be set ≥ 1 / T, where T is the expected dwell time per channel.
c Sweep: As necessary to capture the entire dwell time per hopping channel; where possible use a video trigger and trigger delay so that the transmitted signal starts a little to the right of the start of the plot. The trigger level might need slight adjustment to prevent triggering when the system hops on an adjacent channel; a second plot might be needed with a longer sweep time to show two successive hops on a channel.
d Detector function: Peak.
e Trace: Max hold.



Test Data: See Appendix

FCC §15.247(b) (1) - PEAK OUTPUT POWER MEASUREMENT

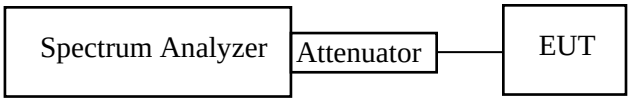
Applicable Standard

According to §15.247(b) (1), for frequency hopping systems operating in the 2400–2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. And for all other frequency hopping systems in the 2400–2483.5 MHz band: 0.125 watts.

Test Procedure

a. Use the following spectrum analyzer settings:
   1) Span: Approximately five times the 20 dB bandwidth, centered on a hopping channel.
   2) RBW > 20 dB bandwidth of the emission being measured.
   3) VBW ≥ RBW.
   4) Sweep: Auto.
   5) Detector function: Peak.
   6) Trace: Max hold.

b. Allow trace to stabilize.
c. Use the marker-to-peak function to set the marker to the peak of the emission.
d. The indicated level is the peak output power, after any corrections for external attenuators and cables.
e. A plot of the test results and setup description shall be included in the test report.



Test Data: See Appendix

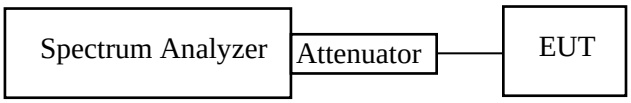
FCC §15.247(d) - BAND EDGES TESTING

Applicable Standard

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates Compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

Test Procedure

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Remove the antenna from the EUT and then connect to a low loss RF cable from the antenna port to a EMI test receiver, then turn on the EUT and make it operate in transmitting mode. Then set it to Low Channel and High Channel within its operating range, and make sure the instrument is operated in its linear range.
3. Set RBW of spectrum analyzer to 100 kHz with a convenient frequency span including 100 kHz bandwidth from band edge.
4. Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.
5. Repeat above procedures until all measured frequencies were complete.



Test Data: See Appendix

Appendix - TEST DATA

Environmental Conditions & Test Information

Test Item:	RADIATED EMISSIONS		
	9kHz - 1GHz	1 GHz – 18 GHz	18 GHz – 25 GHz
Test Date:	2024-06-11	2024-06-11	2024-06-28
Temperature:	24.5 ℃	24.5 ℃	25.5 ℃
Relative Humidity:	57 %	57 %	52 %
ATM Pressure:	100.6kPa	100.6kPa	100.5kPa
Test Result:	Pass	Pass	Pass
Test Engineer:	Leah Li	Hugh Wu	Hugh Wu

Test Item:	20 DB BANDWIDTH TEST	CHANNEL SEPARATION TEST	QUANTITY OF HOPPING CHANNEL TEST	TIME OF OCCUPANCY (DWELL TIME)
Test Date:	2024-06-19	2024-06-20	2024-06-20	2024-06-20
Temperature:	15.7 ℃	15.9 ℃	15.9 ℃	15.9 ℃
Relative Humidity:	48 %	45 %	45 %	45 %
ATM Pressure:	100.4kPa	101.6kPa	101.6kPa	101.6kPa
Test Result:	Pass	Pass	Pass	Pass
Test Engineer:	Jason Lu	Jason Lu	Jason Lu	Jason Lu

Test Item:	PEAK OUTPUT POWER MEASUREMENT	OUT OF BAND EMISSIONS
Test Date:	2024-06-19	2024-06-19~2024-06-20
Temperature:	15.7 ℃	15.7~15.9 ℃
Relative Humidity:	48 %	48~45 %
ATM Pressure:	100.4kPa	100.4~101.6kPa
Test Result:	Pass	Pass
Test Engineer:	Jason Lu	Jason Lu

RADIATED EMISSIONS & RESTRICTED BANDS EMISSIONS

EUT operation mode: Transmitting
After pre-scan in the X, Y and Z axes of orientation, the worst case is below:

9 kHz-30MHz: (*Transmitting in maximum output power mode and channel)*

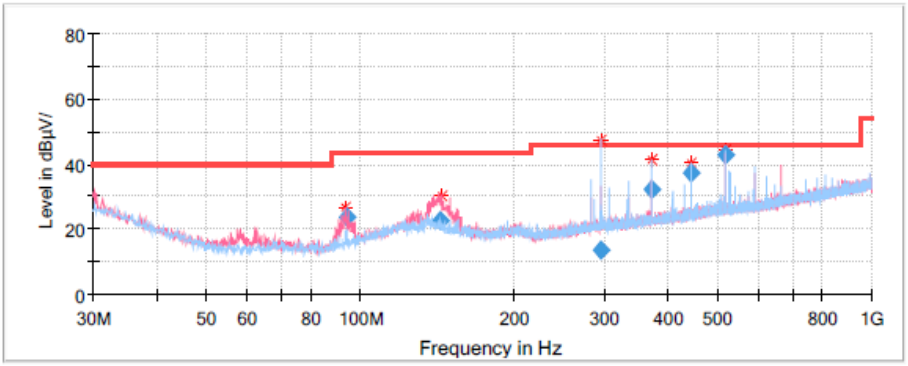
The amplitude of spurious emissions attenuated more than 20 dB below the limit was not be recorded.

30MHz-1GHz:
EUT operation mode: Transmitting in 8DPSK mode (maximum output power mode)

Low Channel: 2402 MHz

Common Information

Project No:	RSHA240530002
EUT Model:	CAM17
Test Mode:	BT
Standard:	FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209
Test Equipment:	ESCI, JB3, 310N
Temperature:	24.5°C
Humidity:	57%
Barometric Pressure:	100.6kPa
Test Engineer:	Leah Li
Test Date:	2024/6/11



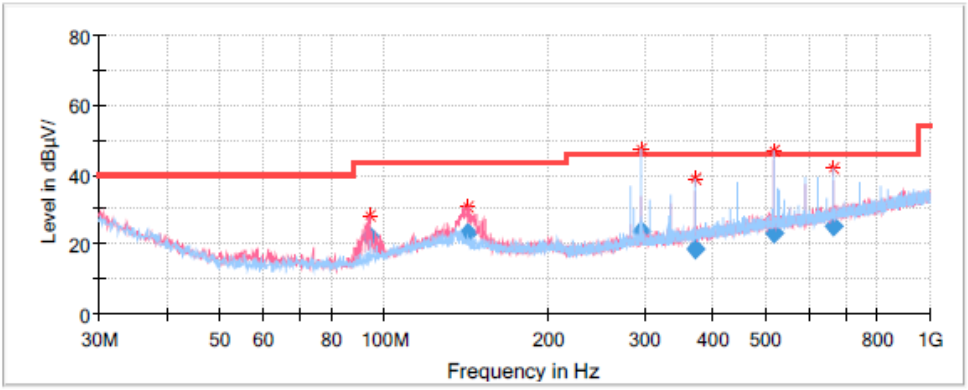
Final_Result

Frequency (MHz)	Corrected Amplitude QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
93.966350	23.80	43.50	19.70	V	-15.9
143.503750	22.82	43.50	20.68	V	-11.5
295.651100	13.75	46.00	32.25	H	-10.5
370.803750	32.01	46.00	13.99	H	-8.7
445.051350	37.36	46.00	8.64	H	-6.8
519.205650	42.64	46.00	3.36	H	-5.2

Middle Channel: 2441 MHz

Common Information

Project No:	RSHA240530002
EUT Model:	CAM17
Test Mode:	BT
Standard:	FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209
Test Equipment:	ESCI, JB3, 310N
Temperature:	24.5°C
Humidity:	57%
Barometric Pressure:	100.6kPa
Test Engineer:	Leah Li
Test Date:	2024/6/11



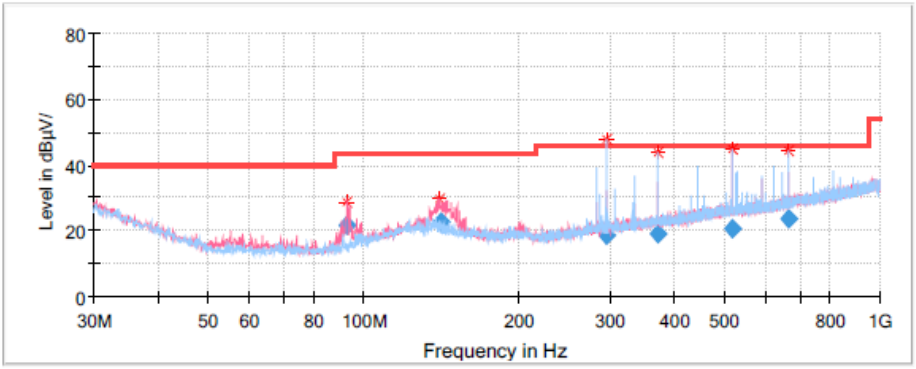
Final_Result

Frequency (MHz)	Corrected Amplitude QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
94.188500	22.06	43.50	21.44	V	-15.9
142.880000	23.38	43.50	20.12	V	-11.6
296.859800	23.85	46.00	22.15	H	-10.5
371.635950	18.55	46.00	27.45	H	-8.7
519.958950	23.01	46.00	22.99	H	-5.2
667.806150	25.32	46.00	20.68	H	-2.7

High Channel: 2480 MHz

Common Information

Project No:	RSHA240530002
EUT Model:	CAM17
Test Mode:	BT
Standard:	FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209
Test Equipment:	ESCI, JB3, 310N
Temperature:	24.5°C
Humidity:	57%
Barometric Pressure:	100.6kPa
Test Engineer:	Leah Li
Test Date:	2024/6/11



Final_Result

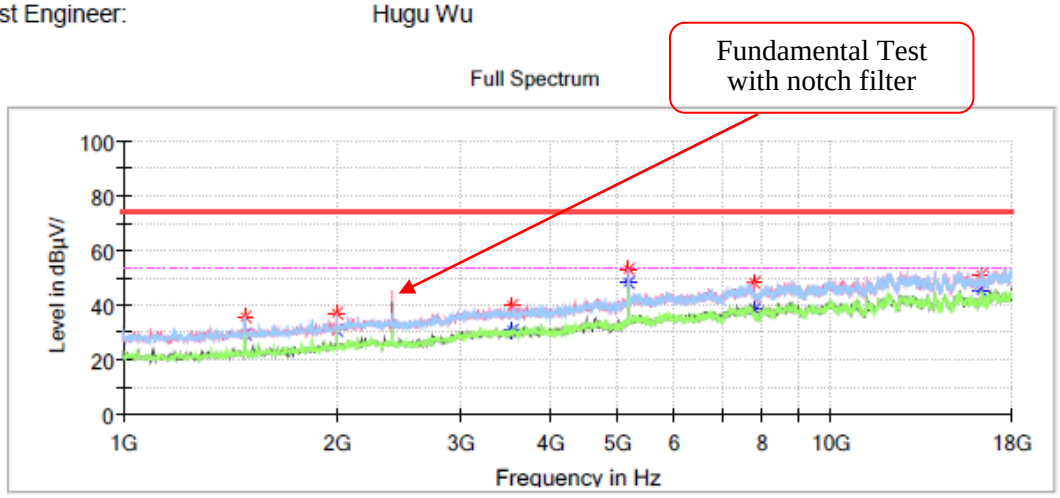
Frequency (MHz)	Corrected Amplitude QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
92.732300	21.55	43.50	21.95	V	-16.2
141.052450	22.76	43.50	20.74	V	-11.5
296.312000	18.82	46.00	27.18	H	-10.5
371.363550	19.04	46.00	26.96	H	-8.7
518.924850	20.40	46.00	25.60	H	-5.2
668.656600	23.77	46.00	22.23	H	-2.7

1 GHz - 18 GHz:
GFSK:

Low Channel: 2402 MHz

Common Information

Project No.:	RSHA240530002
Test Mode:	BT mode of low channel
Standard:	FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209
Test Engineer:	Hugu Wu



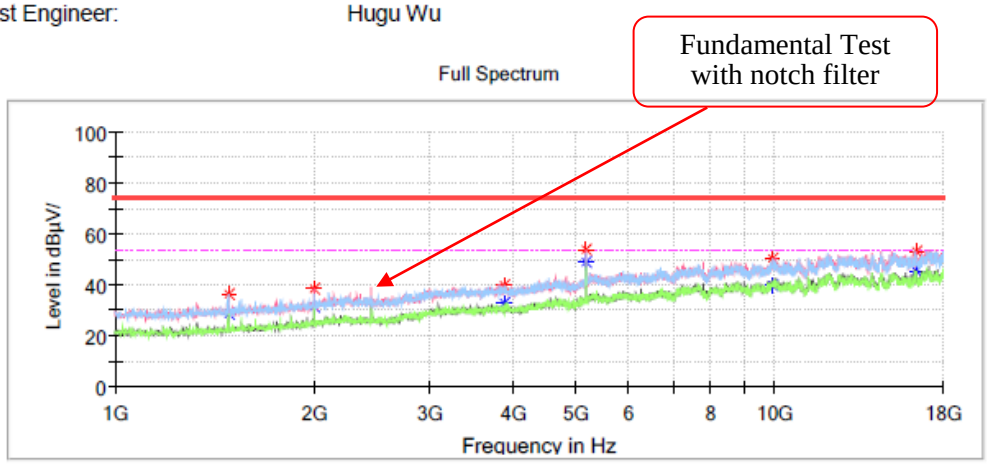
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1482.800000	35.75	---	74.00	38.25	H	-14.8
1482.800000	---	29.16	54.00	24.84	H	-14.8
2001.300000	36.97	---	74.00	37.03	H	-11.7
2001.300000	---	30.75	54.00	23.25	H	-11.7
3546.600000	---	30.91	54.00	23.09	V	-6.3
3546.600000	40.16	---	74.00	33.84	V	-6.3
5183.700000	53.16	---	74.00	20.84	H	-1.7
5183.700000	---	48.44	54.00	5.56	H	-1.7
7776.200000	---	38.61	54.00	15.39	V	3.9
7776.200000	48.10	---	74.00	25.90	V	3.9
16305.100000	51.33	---	74.00	22.67	H	10.2
16305.100000	---	45.40	54.00	8.60	H	10.2

Middle Channel: 2441 MHz

Common Information

Project No.:	RSHA240530002
Test Mode:	BT mode of middle channel
Standard:	FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209
Test Engineer:	Hugu Wu



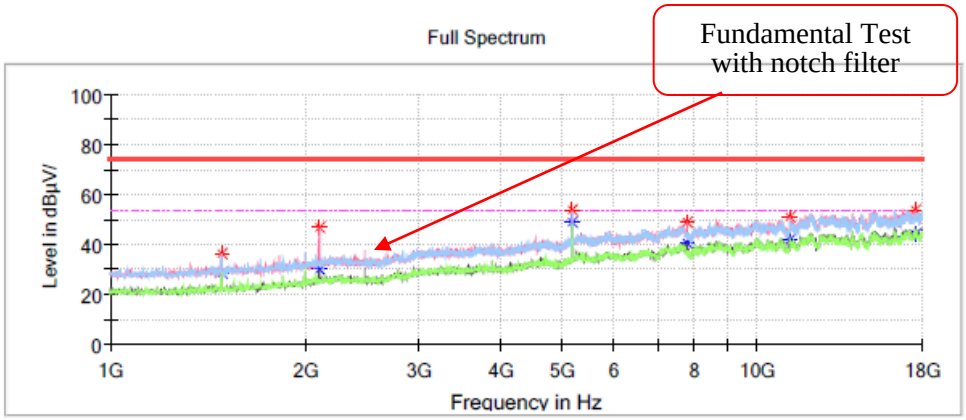
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1482.800000	---	28.99	54.00	25.01	H	-14.8
1482.800000	36.13	---	74.00	37.87	H	-14.8
2001.300000	---	31.79	54.00	22.21	V	-11.7
2001.300000	38.33	---	74.00	35.67	V	-11.7
3886.600000	39.78	---	74.00	34.22	H	-6.0
3886.600000	---	32.91	54.00	21.09	H	-6.0
5183.700000	---	49.09	54.00	4.91	V	-1.7
5183.700000	53.93	---	74.00	20.07	V	-1.7
9902.900000	---	40.06	54.00	13.94	V	6.7
9902.900000	50.46	---	74.00	23.54	V	6.7
16362.900000	---	45.44	54.00	8.56	H	10.4
16362.900000	52.98	---	74.00	21.02	H	10.4

High Channel: 2480 MHz

Common Information

Project No.:	RSHA240530002
Test Mode:	BT mode of high channel
Standard:	FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209
Test Engineer:	Hugu Wu



Critical_Freqs

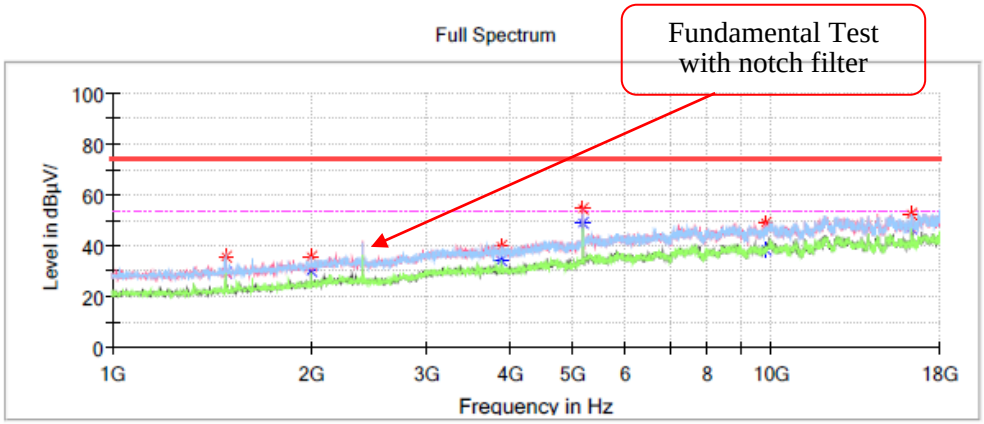
Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1482.800000	---	28.97	54.00	25.03	H	-14.8
1482.800000	36.23	---	74.00	37.77	H	-14.8
2099.900000	47.12	---	74.00	26.88	V	-11.4
2099.900000	---	30.38	54.00	23.62	V	-11.4
5183.700000	54.19	---	74.00	19.81	V	-1.7
5183.700000	---	49.08	54.00	4.92	V	-1.7
7776.200000	48.81	---	74.00	25.19	V	3.9
7776.200000	---	40.27	54.00	13.73	V	3.9
11252.700000	---	41.80	54.00	12.20	V	8.1
11252.700000	50.98	---	74.00	23.02	V	8.1
17513.800000	---	44.09	54.00	9.91	V	11.5
17513.800000	54.10	---	74.00	19.90	V	11.5

π/4-DQPSK:

Low Channel: 2402 MHz

Common Information

Project No.:	RSHA240530002
Test Mode:	BT mode of low channel
Standard:	FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209
Test Engineer:	Hugu Wu



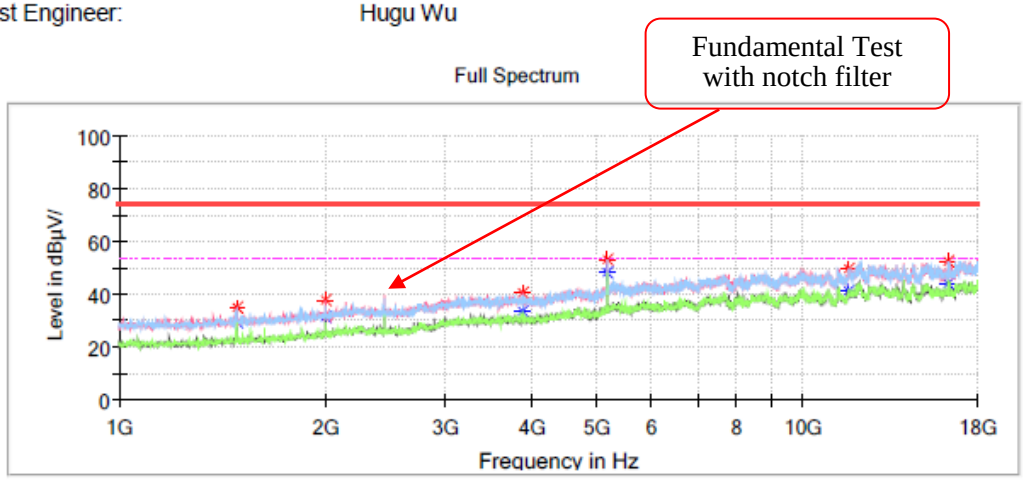
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1482.800000	35.85	---	74.00	38.15	H	-14.8
1482.800000	---	29.23	54.00	24.77	H	-14.8
2001.300000	---	30.05	54.00	23.95	V	-11.7
2001.300000	35.99	---	74.00	38.01	V	-11.7
3886.600000	---	33.92	54.00	20.08	H	-6.0
3886.600000	39.83	---	74.00	34.17	H	-6.0
5183.700000	---	48.89	54.00	5.11	V	-1.7
5183.700000	54.66	---	74.00	19.34	V	-1.7
9797.500000	---	38.79	54.00	15.21	V	6.4
9797.500000	48.60	---	74.00	25.40	V	6.4
16305.100000	52.10	---	74.00	21.90	H	10.2
16305.100000	---	46.55	54.00	7.45	H	10.2

Middle Channel: 2441 MHz

Common Information

Project No.:	RSHA240530002
Test Mode:	BT mode of middle channel
Standard:	FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209
Test Engineer:	Hugu Wu



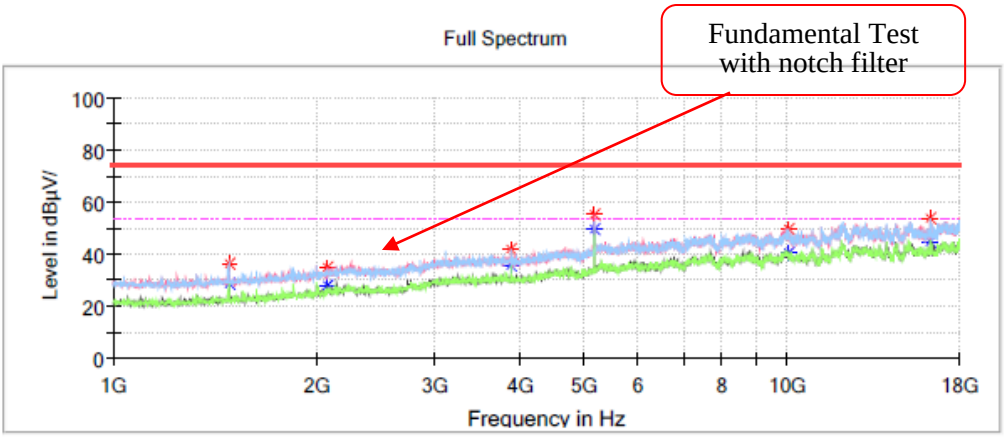
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1482.800000	---	29.06	54.00	24.94	H	-14.8
1482.800000	34.69	---	74.00	39.31	H	-14.8
2001.300000	---	31.22	54.00	22.78	V	-11.7
2001.300000	37.63	---	74.00	36.37	V	-11.7
3886.600000	---	33.46	54.00	20.54	H	-6.0
3886.600000	40.64	---	74.00	33.36	H	-6.0
5183.700000	---	48.50	54.00	5.50	H	-1.7
5183.700000	53.49	---	74.00	20.51	H	-1.7
11645.400000	---	41.22	54.00	12.78	H	8.9
11645.400000	49.76	---	74.00	24.24	H	8.9
16344.200000	---	43.79	54.00	10.21	H	10.4
16344.200000	52.42	---	74.00	21.58	H	10.4

High Channel: 2480 MHz

Common Information

Project No.:	RSHA240530002
Test Mode:	BT mode of high channel
Standard:	FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209
Test Engineer:	Hugu Wu



Critical_Freqs

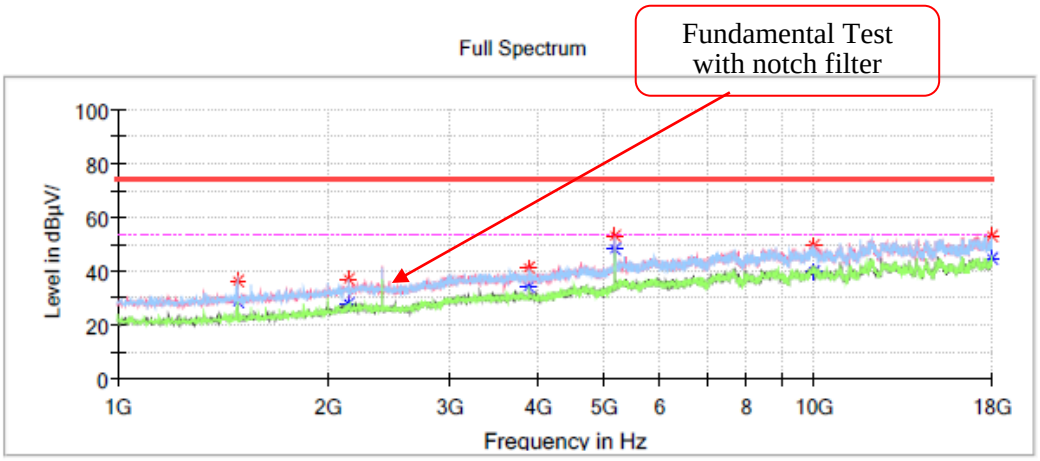
Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1482.800000	36.41	---	74.00	37.59	H	-14.8
1482.800000	---	28.98	54.00	25.02	H	-14.8
2076.100000	---	27.95	54.00	26.05	V	-11.5
2076.100000	35.22	---	74.00	38.78	V	-11.5
3886.600000	41.61	---	74.00	32.39	H	-6.0
3886.600000	---	35.44	54.00	18.56	H	-6.0
5183.700000	---	49.60	54.00	4.40	V	-1.7
5183.700000	55.33	---	74.00	18.67	V	-1.7
10021.900000	---	40.75	54.00	13.25	H	7.1
10021.900000	49.79	---	74.00	24.21	H	7.1
16306.800000	---	44.73	54.00	9.27	H	10.3
16306.800000	53.58	---	74.00	20.42	H	10.3

8DPSK:

Low Channel: 2402 MHz

Common Information

Project No.:	RSHA240530002
Test Mode:	BT mode of low channel
Standard:	FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209
Test Engineer:	Hugu Wu



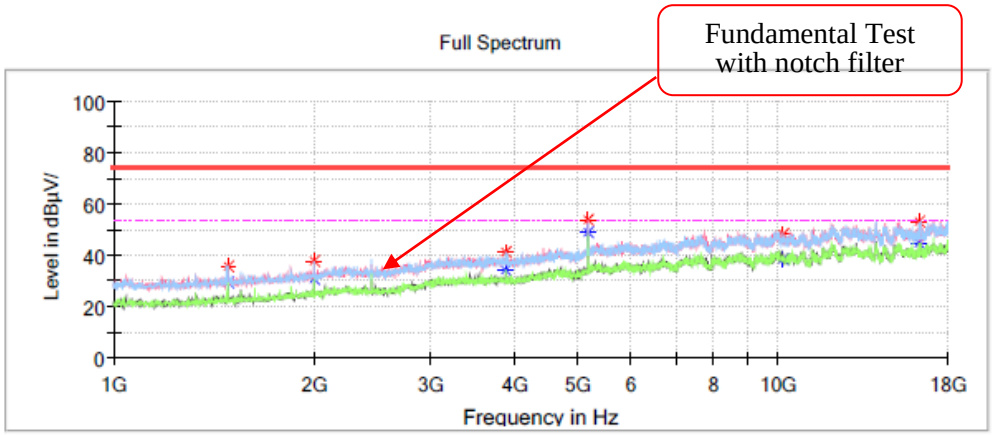
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1482.800000	36.16	---	74.00	37.84	H	-14.8
1482.800000	---	28.75	54.00	25.25	H	-14.8
2149.200000	---	28.04	54.00	25.96	H	-11.3
2149.200000	36.85	---	74.00	37.15	H	-11.3
3886.600000	---	34.61	54.00	19.39	H	-6.0
3886.600000	40.97	---	74.00	33.03	V	-6.0
5183.700000	---	48.60	54.00	5.40	V	-1.7
5183.700000	52.92	---	74.00	21.08	V	-1.7
9960.700000	---	39.80	54.00	14.20	H	6.9
9960.700000	49.48	---	74.00	24.52	H	6.9
17998.300000	---	45.10	54.00	8.90	V	12.0
17998.300000	53.00	---	74.00	21.00	V	12.0

Middle Channel: 2441 MHz

Common Information

Project No.:	RSHA240530002
Test Mode:	BT mode of middle channel
Standard:	FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209
Test Engineer:	Hugu Wu



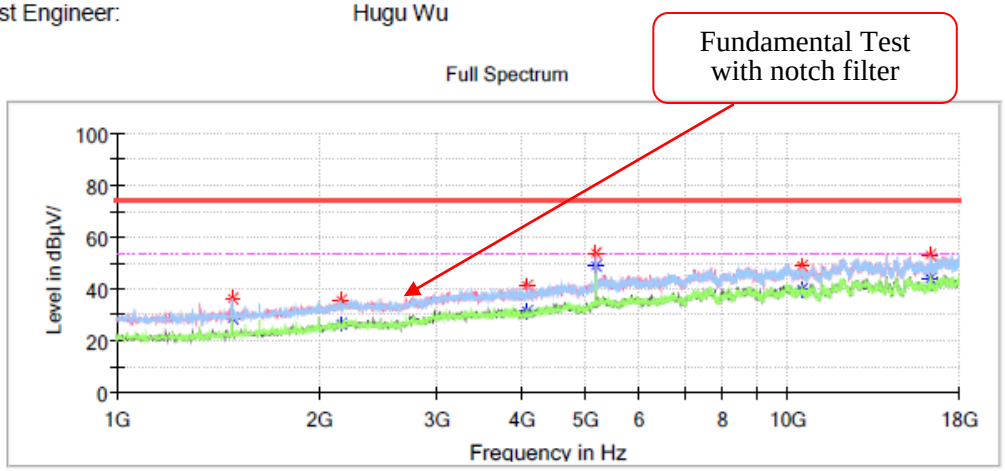
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1482.800000	35.63	---	74.00	38.37	H	-14.8
1482.800000	---	29.66	54.00	24.34	H	-14.8
2001.300000	---	30.73	54.00	23.27	H	-11.7
2001.300000	37.81	---	74.00	36.19	H	-11.7
3886.600000	---	33.99	54.00	20.01	H	-6.0
3886.600000	40.96	---	74.00	33.04	H	-6.0
5183.700000	---	48.70	54.00	5.30	V	-1.7
5183.700000	53.81	---	74.00	20.19	V	-1.7
10198.700000	---	38.25	54.00	15.75	H	7.1
10198.700000	48.58	---	74.00	25.42	H	7.1
16308.500000	---	44.95	54.00	9.05	V	10.3
16308.500000	53.48	---	74.00	20.52	V	10.3

High Channel: 2480 MHz

Common Information

Project No.:	RSHA240530002
Test Mode:	BT mode of high channel
Standard:	FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209
Test Engineer:	Hugu Wu



Critical_Freqs

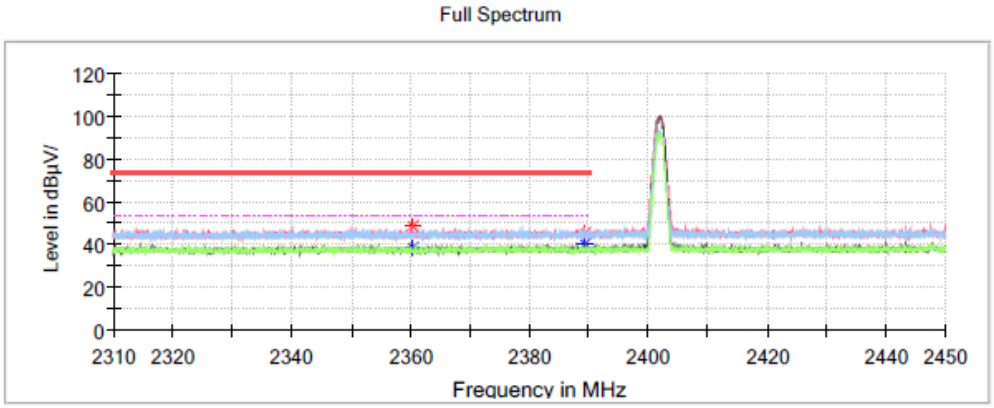
Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1482.800000	36.19	---	74.00	37.81	H	-14.8
1482.800000	---	28.44	54.00	25.56	H	-14.8
2159.400000	35.46	---	74.00	38.54	H	-11.2
2159.400000	---	26.25	54.00	27.75	H	-11.2
4082.100000	41.56	---	74.00	32.44	V	-5.6
4082.100000	---	31.56	54.00	22.44	V	-5.6
5183.700000	53.74	---	74.00	20.26	V	-1.7
5183.700000	---	48.79	54.00	5.21	V	-1.7
10513.200000	48.90	---	74.00	25.10	V	7.1
10513.200000	---	39.89	54.00	14.11	V	7.1
16305.100000	---	44.38	54.00	9.62	V	10.2
16305.100000	52.95	---	74.00	21.05	V	10.2

Band Edge:
GFSK

Left Side

Common Information

Project No.:	RSHA240530002
Test Mode:	BT mode of low channel
Standard:	FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209
Test Engineer:	Hugu Wu



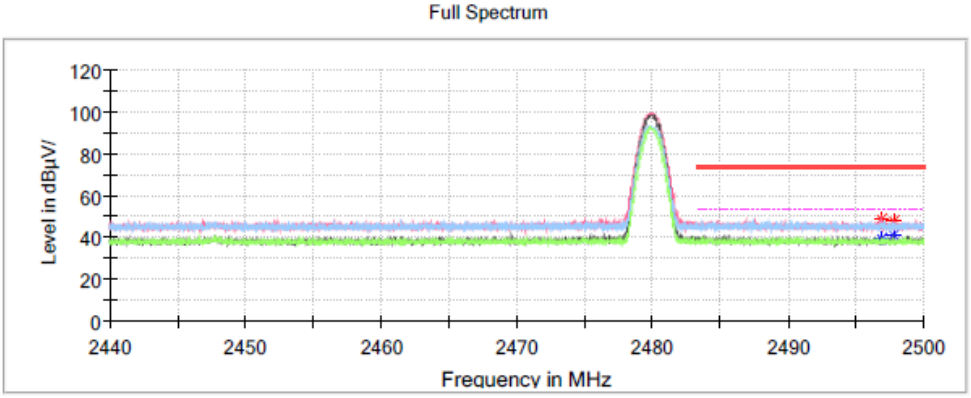
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2360.330000	48.29	---	74.00	25.71	V	-0.7
2360.330000	---	38.48	54.00	15.52	V	-0.7
2389.212000	45.44	---	74.00	28.56	V	-0.6
2389.212000	---	40.22	54.00	13.78	V	-0.6

Right Side

Common Information

Project No.:	RSHA240530002
Test Mode:	BT mode of high channel
Standard:	FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209
Test Engineer:	Hugu Wu



Critical_Freqs

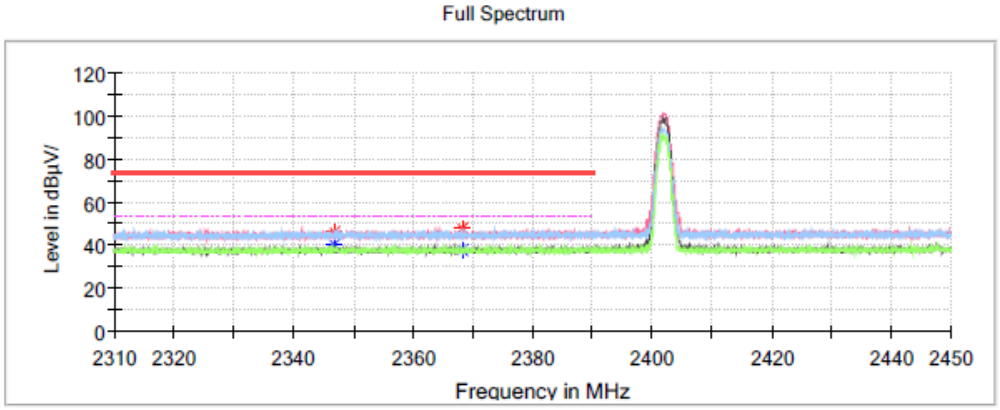
Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2496.958000	48.38	---	74.00	25.62	V	-0.2
2496.958000	---	39.41	54.00	14.59	V	-0.2
2497.840000	47.81	---	74.00	26.19	V	-0.2
2497.840000	---	41.35	54.00	12.65	V	-0.2

π /4-DQPSK

Left Side

Common Information

Project No.:	RSHA240530002
Test Mode:	BT mode of low channel
Standard:	FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209
Test Engineer:	Hugu Wu



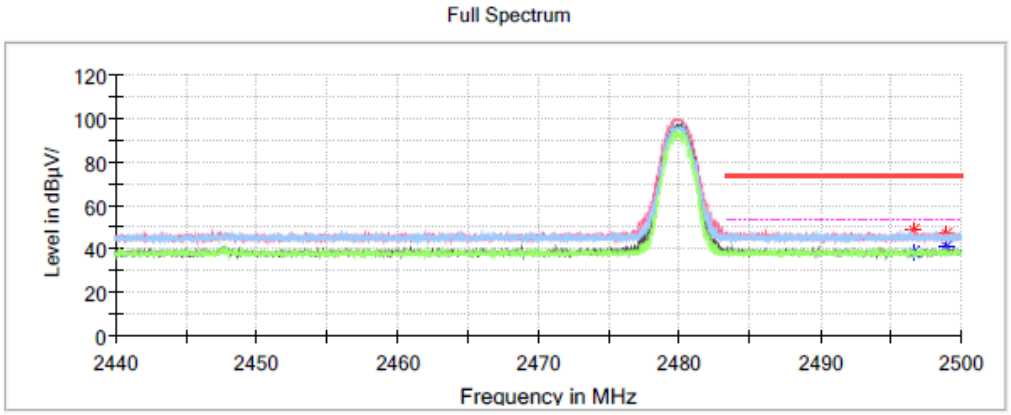
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2346.834000	---	40.12	54.00	13.88	H	-0.7
2346.834000	46.50	---	74.00	27.50	H	-0.7
2368.268000	---	37.76	54.00	16.24	V	-0.6
2368.268000	48.06	---	74.00	25.94	V	-0.6

Right Side

Common Information

Project No.:	RSHA240530002
Test Mode:	BT mode of high channel
Standard:	FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209
Test Engineer:	Hugu Wu



Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2496.598000	48.59	---	74.00	25.41	V	-0.2
2496.598000	---	38.47	54.00	15.53	V	-0.2
2498.974000	46.83	---	74.00	27.17	V	-0.2
2498.974000	---	40.74	54.00	13.26	V	-0.2

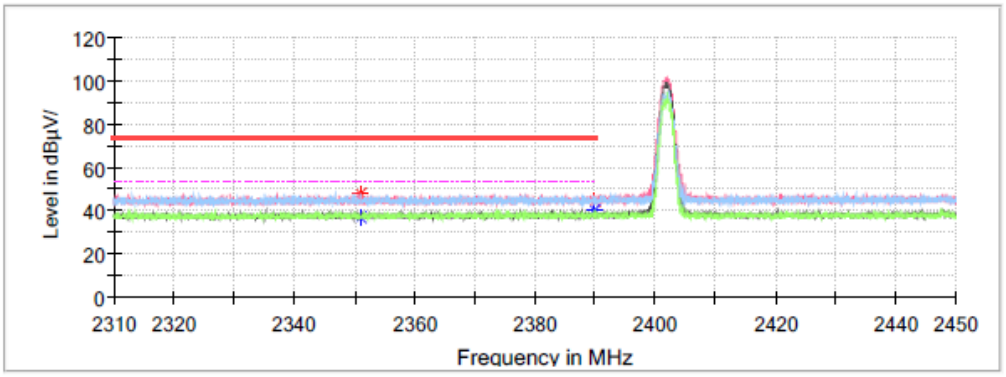
8DPSK

Left Side

Common Information

Project No.:	RSHA240530002
Test Mode:	BT mode of low channel
Standard:	FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209
Test Engineer:	Hugu Wu

Full Spectrum



Critical_Freqs

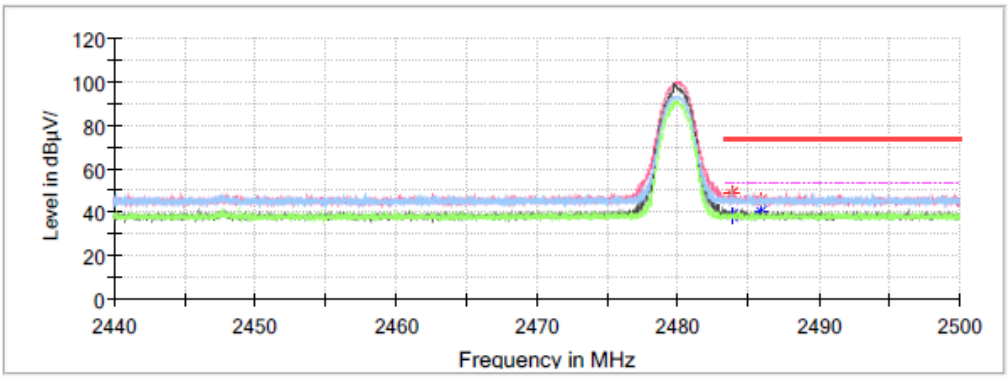
Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2351.076000	---	37.20	54.00	16.80	H	-0.7
2351.076000	47.76	---	74.00	26.24	H	-0.7
2389.870000	---	40.22	54.00	13.78	V	-0.6
2389.870000	44.66	---	74.00	29.34	V	-0.6

Right Side

Common Information

Project No.:	RSHA240530002
Test Mode:	BT mode of high channel
Standard:	FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209
Test Engineer:	Hugu Wu

Full Spectrum



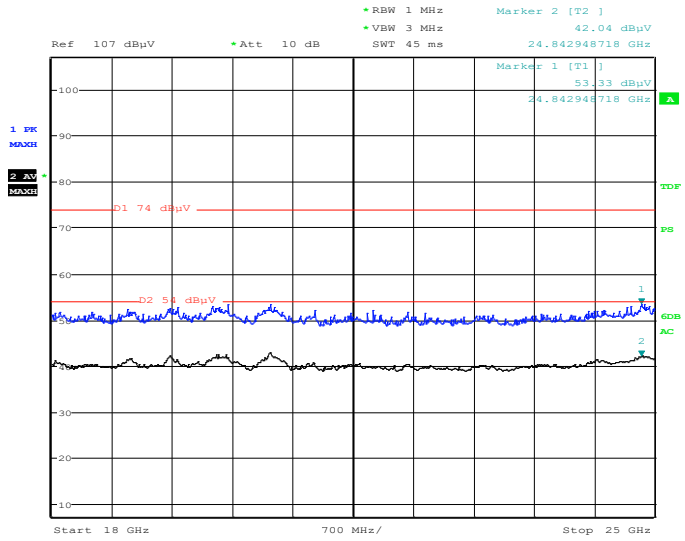
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2483.776000	48.98	---	74.00	25.02	H	-0.3
2483.776000	---	38.60	54.00	15.40	H	-0.3
2485.930000	45.32	---	74.00	28.68	V	-0.2
2485.930000	---	40.68	54.00	13.32	V	-0.2

18GHz-25GHz:

EUT operation mode: Transmitting in Low channel of 8DPSK mode (Worst case)

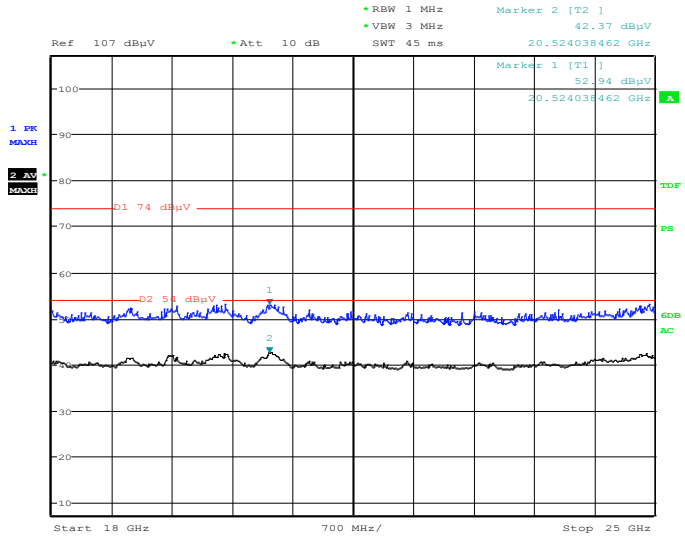
Horizontal



Project No : RSHA240530002 Tester :Hugh Wu

Date: 28.JUN.2024 14:59:28

Vertical



Project No : RSHA240530002 Tester :Hugh Wu

Date: 28.JUN.2024 14:45:17

Note: The test distance is 3m. The limit is 74dBµV/m(Peak) and 54dBµV/m(Average).

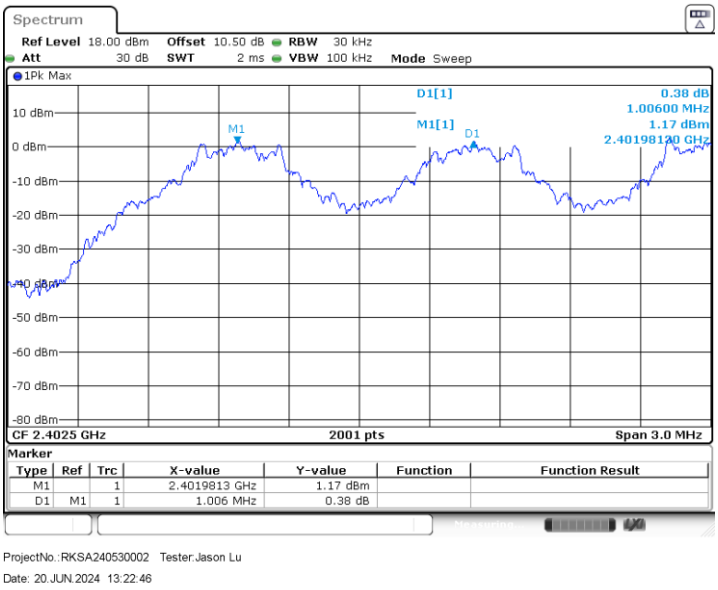
CHANNEL SEPARATION TEST

EUT operation mode: Transmitting

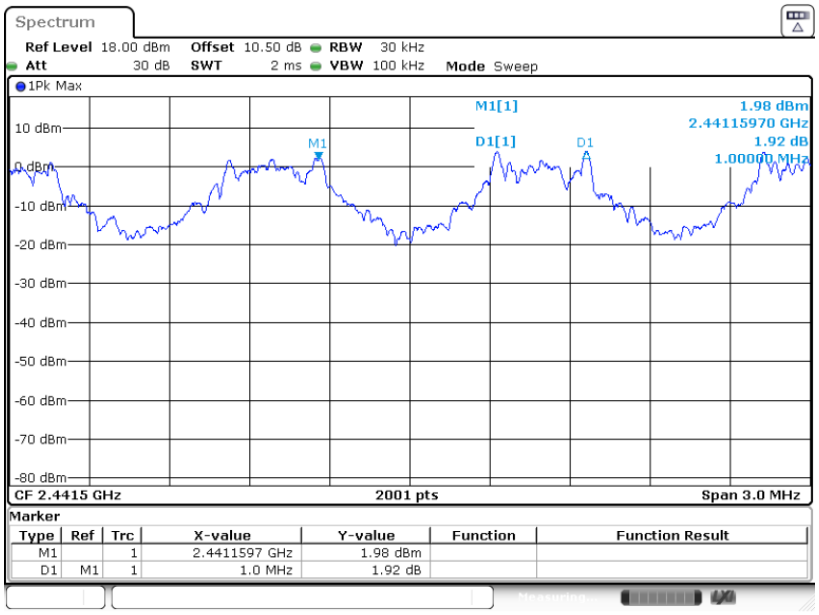
Mode	Channel	Channel frequency (MHz)	Result (MHz)	Limit (MHz)
GFSK	Low	2402-2403	1.006	0.626
	Middle	2441-2442	1.000	0.620
	High	2480-2479	0.996	0.592
π/4 DQPSK	Low	2402-2403	1.002	0.812
	Middle	2441-2442	1.005	0.804
	High	2480-2479	0.993	0.802
8DPSK	Low	2402-2403	1.000	0.852
	Middle	2441-2442	1.008	0.854
	High	2480-2479	1.003	0.846

Note: Limit = 20 dB bandwidth*2/3

BDR (GFSK): Low Channel



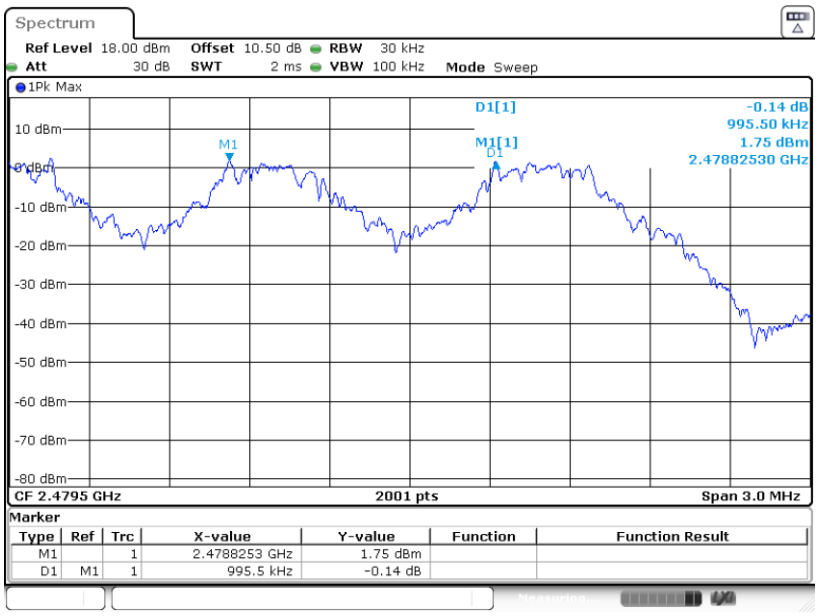
BDR (GFSK): Middle Channel



ProjectNo.:RKSA240530002 Tester:Jason Lu

Date: 20.JUN.2024 13:24:02

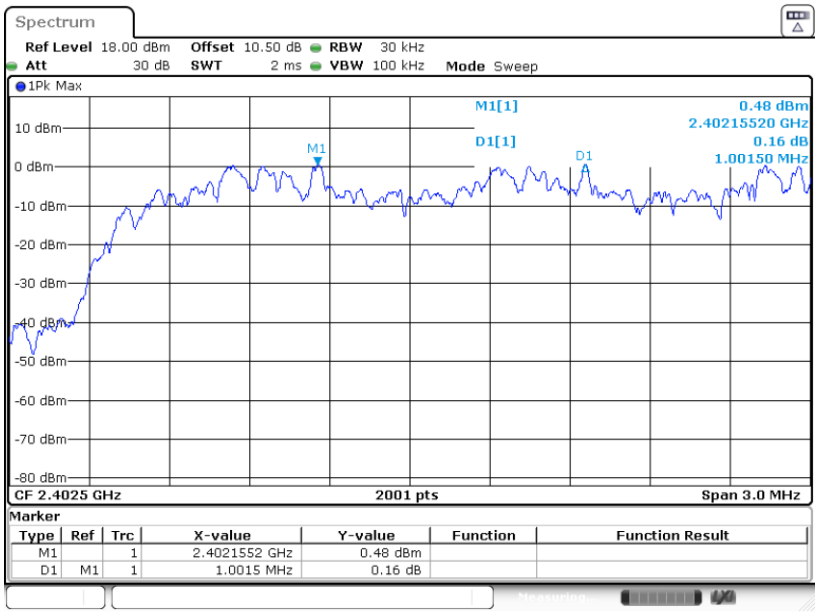
BDR (GFSK): High Channel



ProjectNo.:RKSA240530002 Tester:Jason Lu

Date: 20.JUN.2024 13:25:06

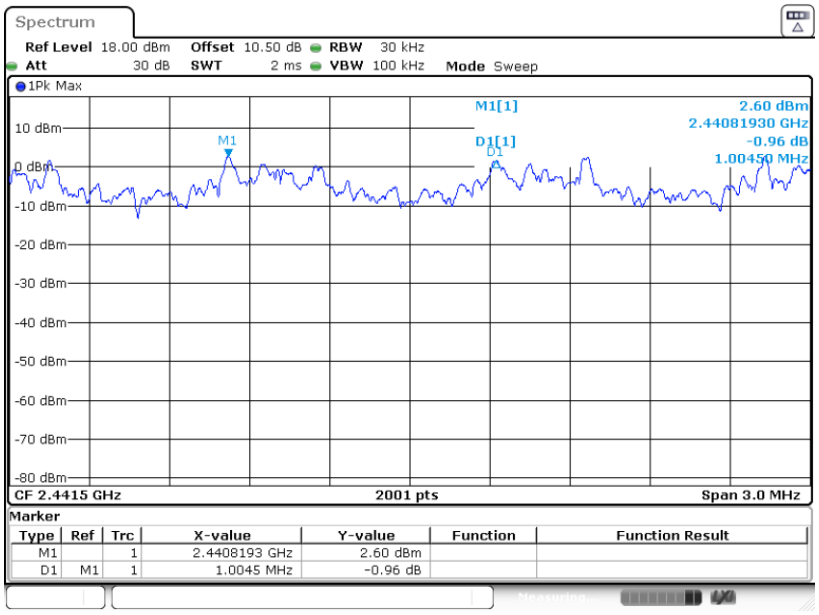
EDR (π/4-DQPSK): Low Channel



ProjectNo.:RKSA240530002 Tester:Jason Lu

Date: 20.JUN.2024 13:28:29

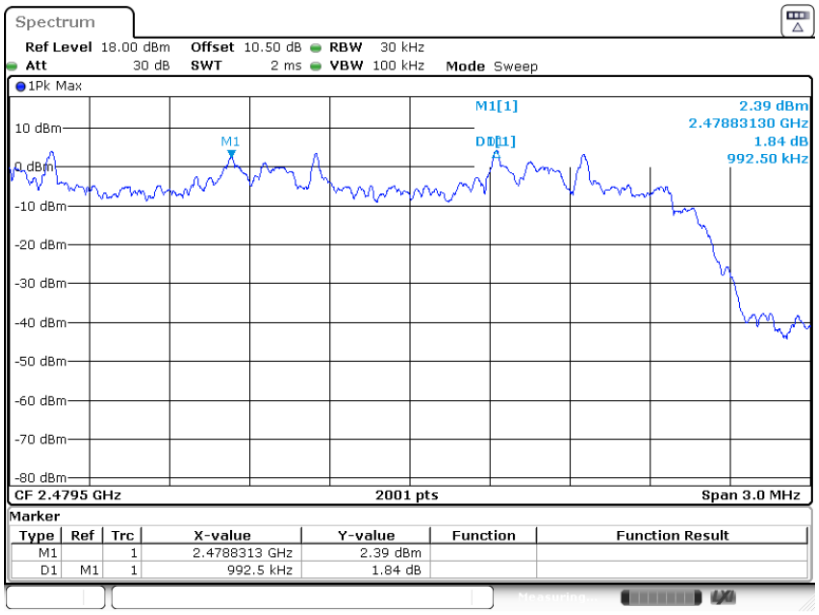
EDR (π/4-DQPSK): Middle Channel



ProjectNo.:RKSA240530002 Tester:Jason Lu

Date: 20.JUN.2024 13:27:48

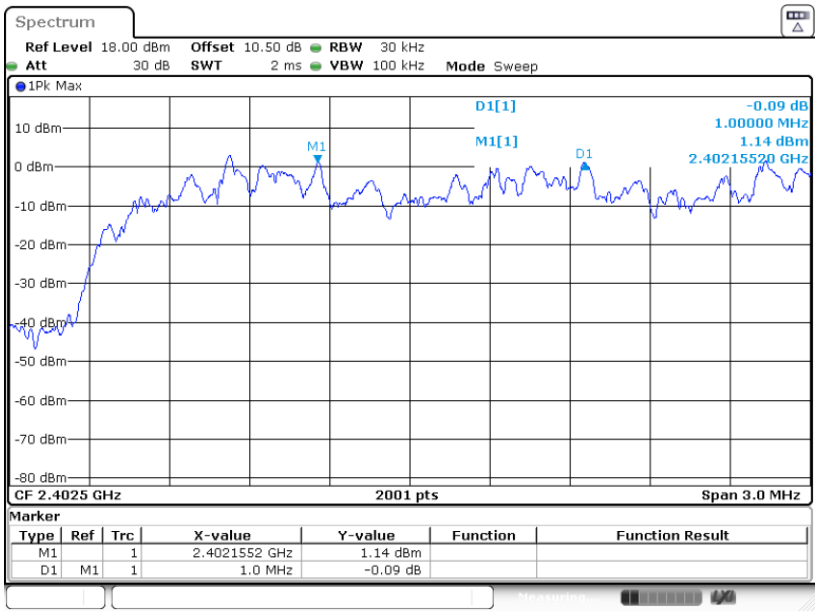
EDR (π/4-DQPSK): High Channel



ProjectNo.:RKSA240530002 Tester:Jason Lu

Date: 20.JUN.2024 13:26:56

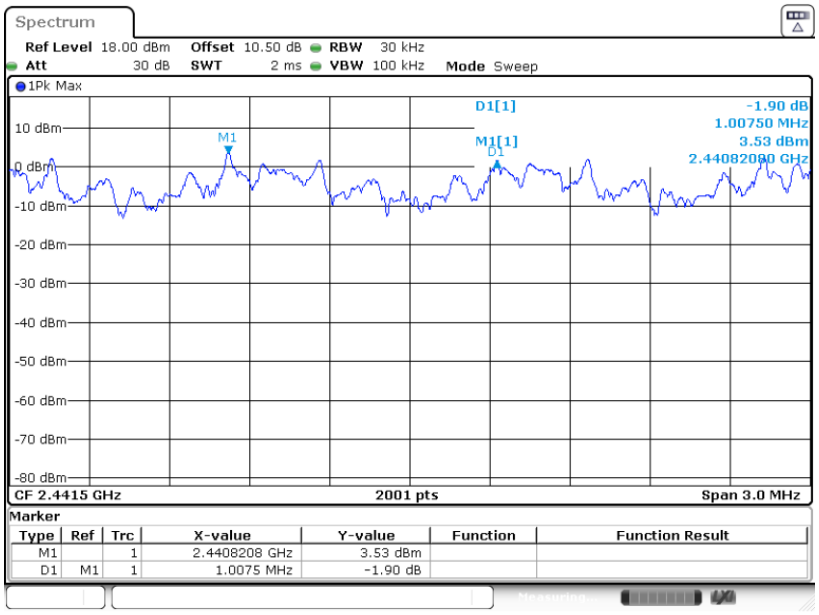
EDR (8DPSK): Low Channel



ProjectNo.:RKSA240530002 Tester:Jason Lu

Date: 20.JUN.2024 13:29:35

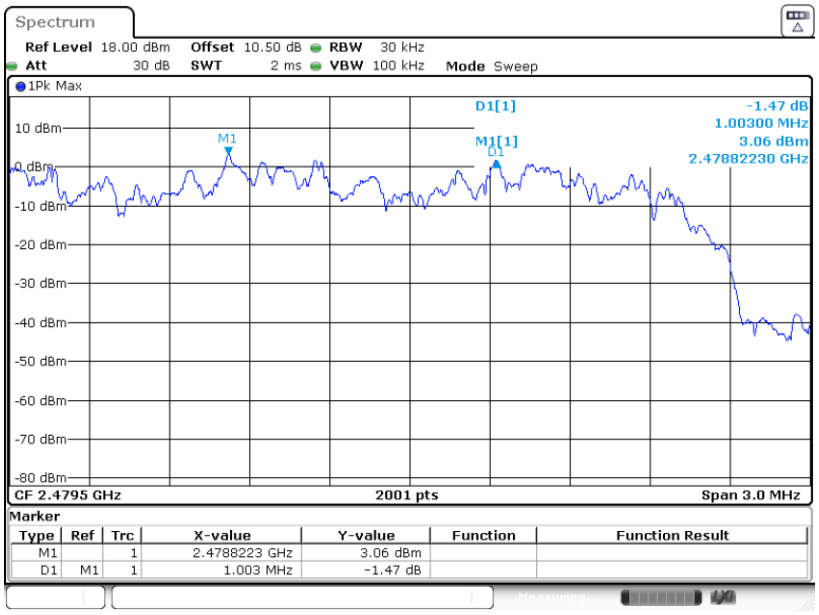
EDR (8DPSK): Middle Channel



ProjectNo.:RKSA240530002 Tester:Jason Lu

Date: 20.JUN.2024 13:30:42

EDR (8DPSK): High Channel



ProjectNo.:RKSA240530002 Tester:Jason Lu

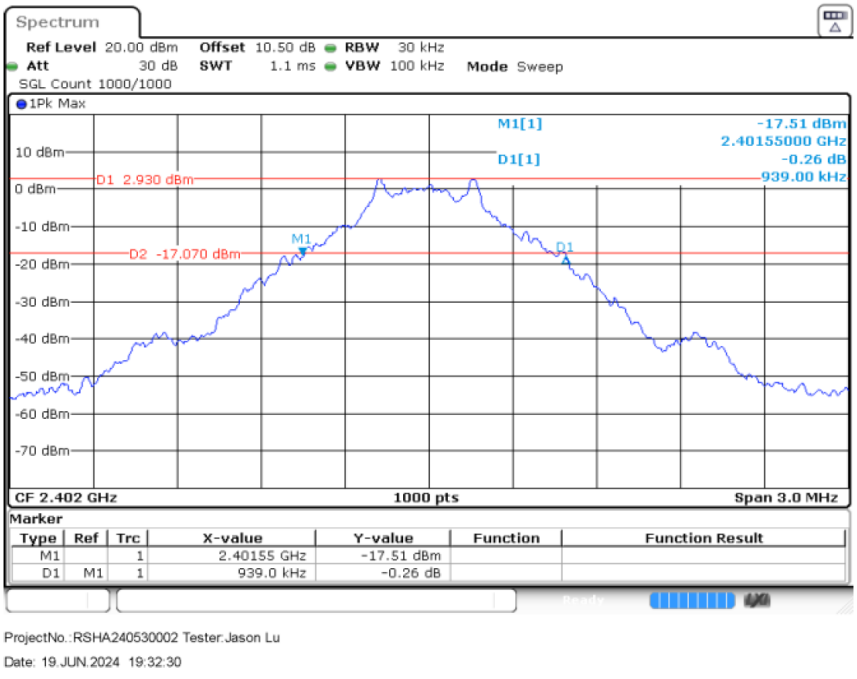
Date: 20.JUN.2024 13:32:18

20 dB BANDWIDTH TEST

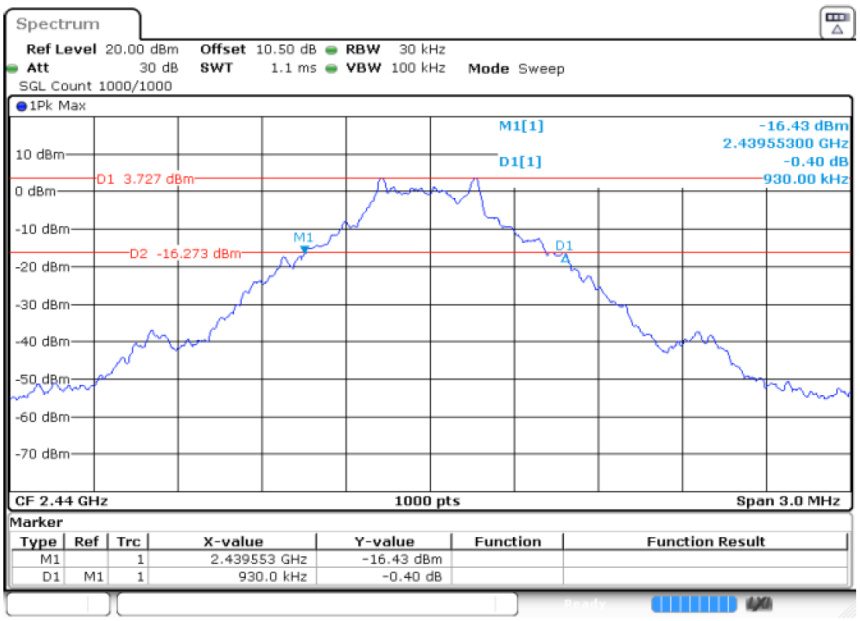
EUT operation mode: Transmitting

Mode	Channel	Frequency (MHz)	20 dB Emission Bandwidth (MHz)
BDR (GFSK)	Low	2402	0.939
	Middle	2441	0.930
	High	2480	0.888
EDR (π/4-DQPSK)	Low	2402	1.218
	Middle	2441	1.206
	High	2480	1.203
EDR (8DPSK)	Low	2402	1.278
	Middle	2441	1.281
	High	2480	1.269

BDR (GFSK): Low Channel



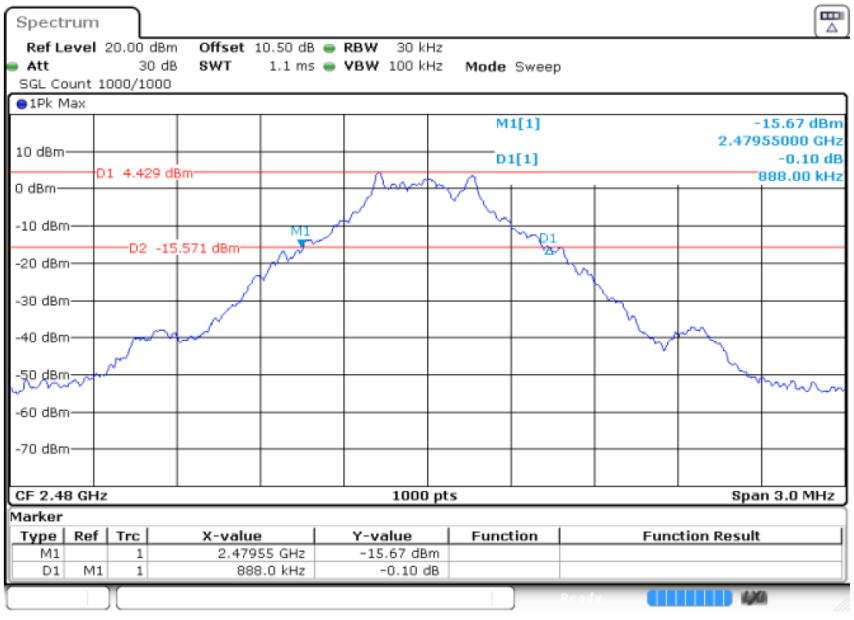
BDR (GFSK): Middle Channel



ProjectNo.:RSHA240530002 Tester:Jason Lu

Date: 19.JUN.2024 19:54:24

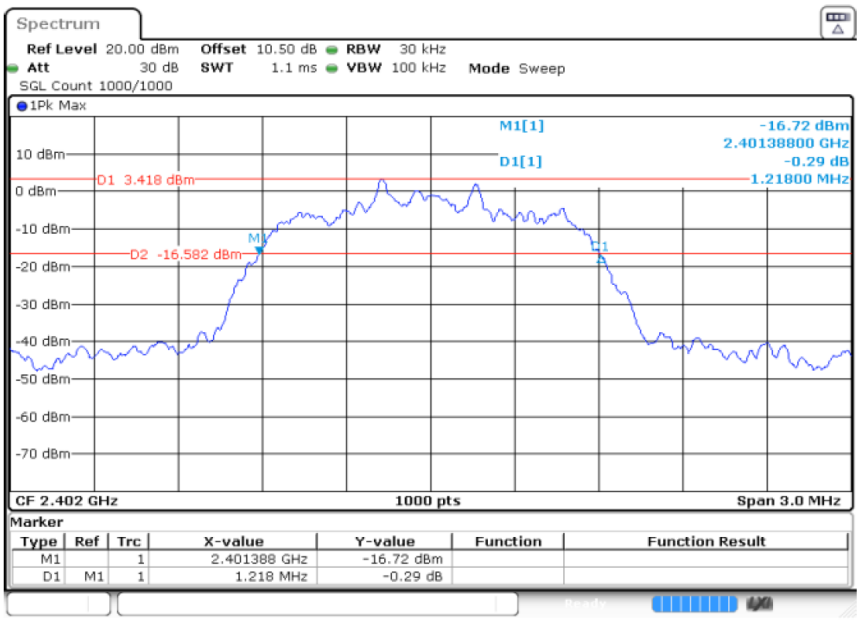
BDR (GFSK): High Channel



ProjectNo.:RSHA240530002 Tester:Jason Lu

Date: 19.JUN.2024 20:02:05

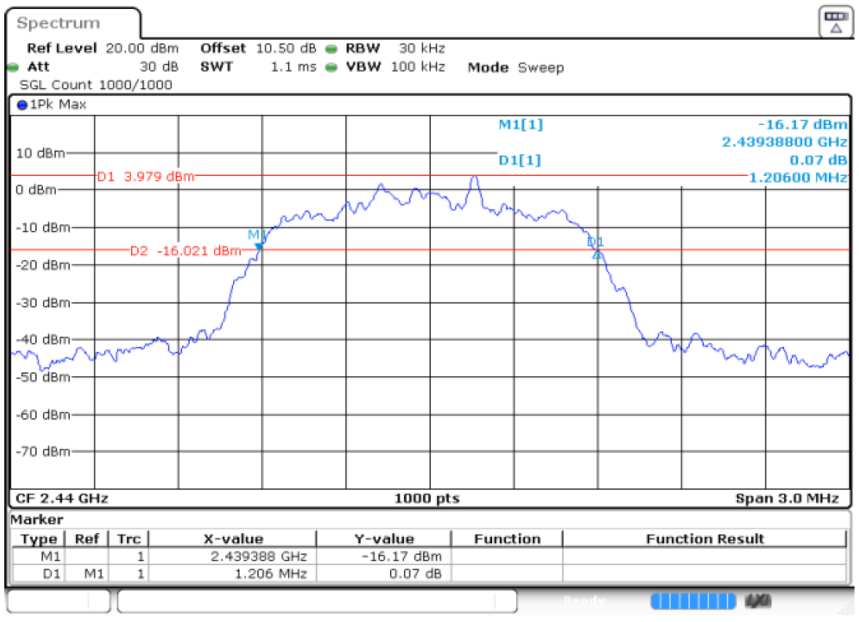
EDR (π/4-DQPSK): Low Channel



ProjectNo.:RSHA240530002 Tester:Jason Lu

Date: 19.JUN.2024 21:03:02

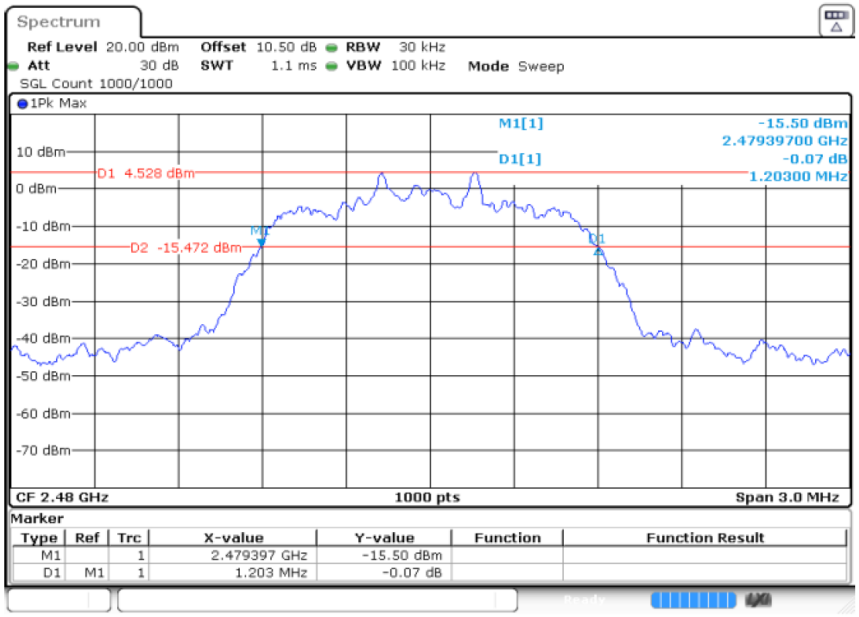
EDR(π/4-DQPSK): Middle Channel



ProjectNo.:RSHA240530002 Tester:Jason Lu

Date: 19.JUN.2024 21:13:16

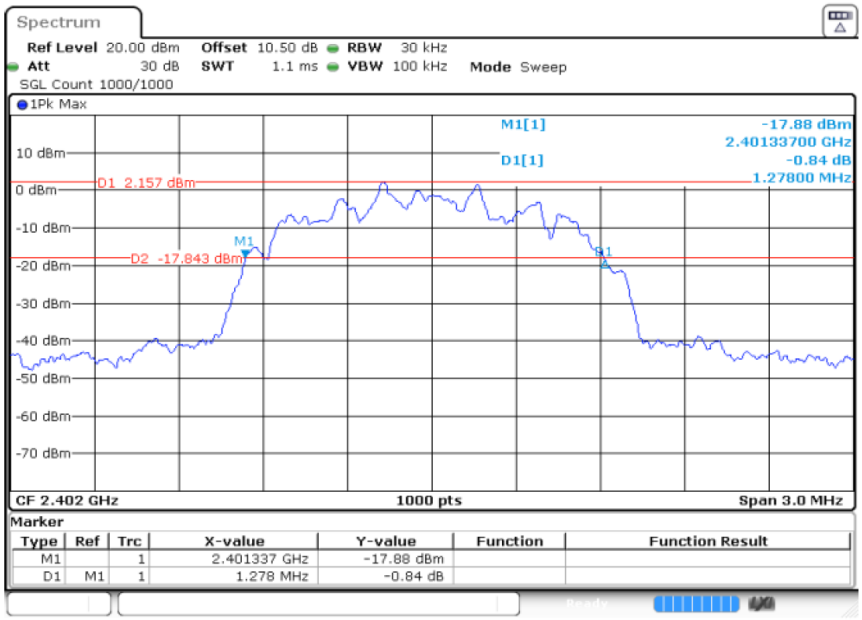
EDR (π/4-DQPSK): High Channel



ProjectNo.:RSHA240530002 Tester:Jason Lu

Date: 19.JUN.2024 21:20:26

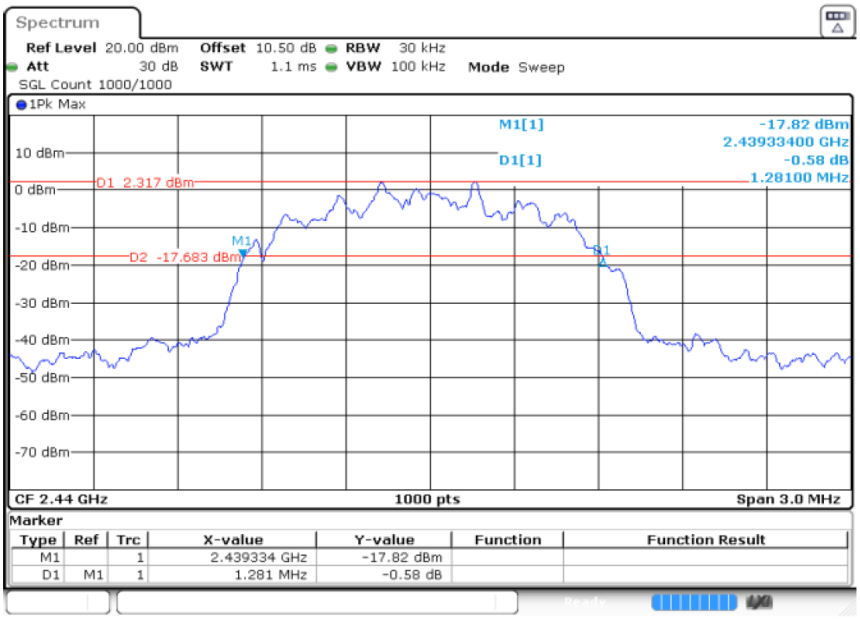
EDR (8DPSK): Low Channel



ProjectNo.:RSHA240530002 Tester:Jason Lu

Date: 19.JUN.2024 21:31:15

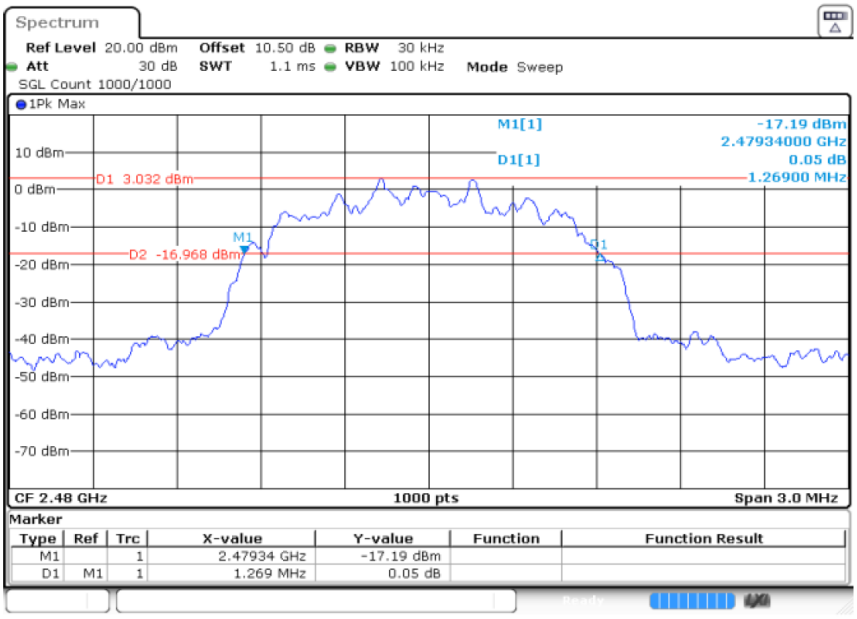
EDR (8DPSK): Middle Channel



ProjectNo.:RSHA240530002 Tester:Jason Lu

Date: 19.JUN.2024 21:41:28

EDR (8DPSK): High Channel



ProjectNo.:RSHA240530002 Tester:Jason Lu

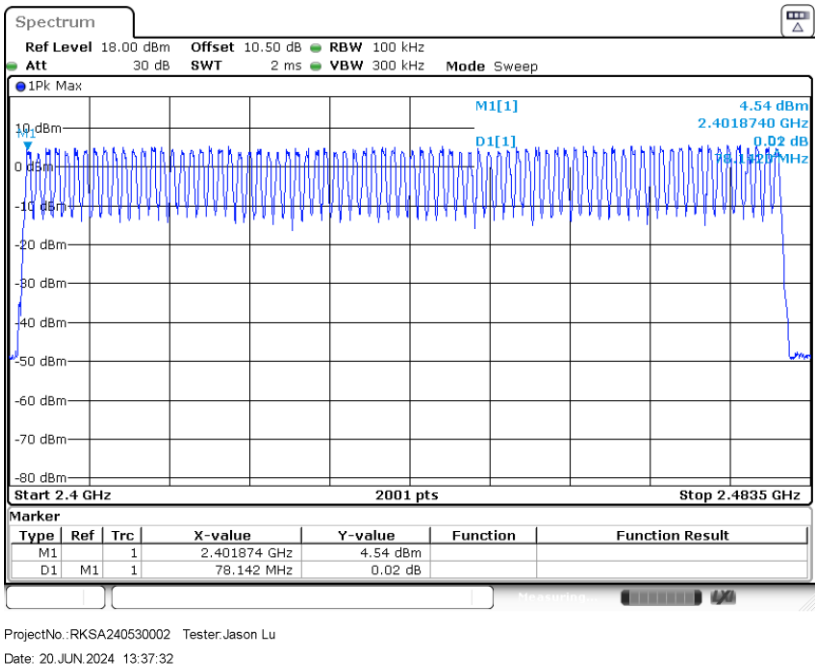
Date: 19.JUN.2024 21:48:08

QUANTITY OF HOPPING CHANNEL TEST

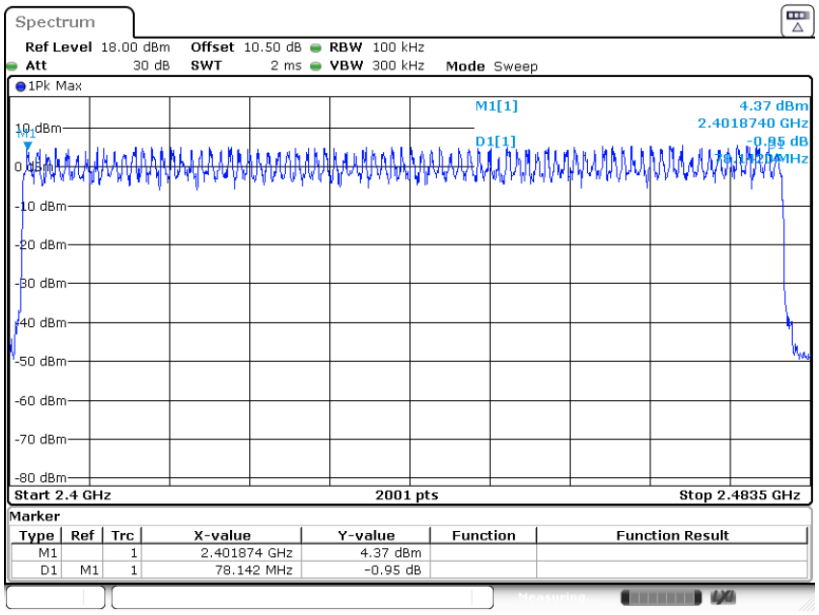
EUT operation mode: Hopping

Mode	Frequency Range (MHz)	Number of Hopping Channel (CH)	Limit (CH)
BDR (GFSK)	2400-2483.5	79	≥15
EDR (π/4-DQPSK)	2400-2483.5	79	≥15
EDR (8DPSK)	2400-2483.5	79	≥15

BDR (GFSK): Number of Hopping Channels



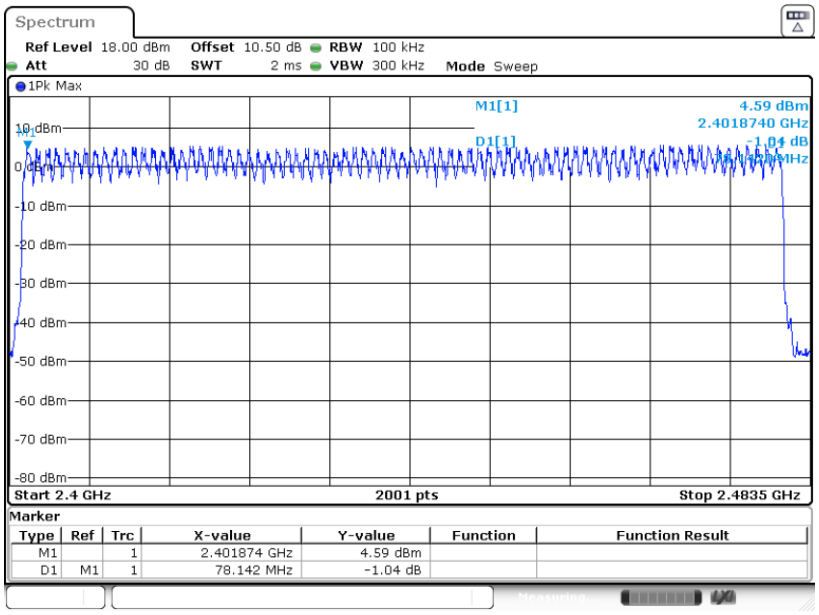
EDR (π/4-DQPSK): Number of Hopping Channels



ProjectNo.:RKSA240530002 Tester:Jason Lu

Date: 20.JUN.2024 13:36:38

EDR (8DPSK): Number of Hopping Channels



ProjectNo.:RKSA240530002 Tester:Jason Lu

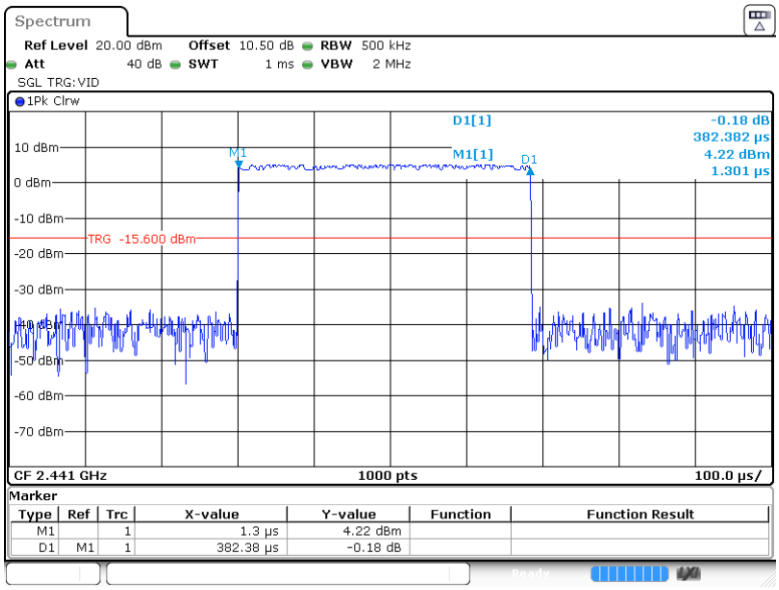
Date: 20.JUN.2024 13:34:36

TIME OF OCCUPANCY (DWELL TIME)

EUT operation mode: Hopping

Mode		Channel	Pulse Width (ms)	Dwell Time (s)	Limit (s)	Result
BDR (GFSK)	DH1	Middle	0.38	0.12	0.4	Pass
		Note: DH1: Dwell time = Pulse time*(1600/2/79)*31.6S				
	DH3	Middle	1.64	0.26	0.4	Pass
		Note: DH3: Dwell time = Pulse time*(1600/4/79)*31.6S				
	DH5	Middle	2.89	0.31	0.4	Pass
		Note: DH5: Dwell time = Pulse time*(1600/6/79)*31.6S				
EDR (π/4-DQPSK)	2DH1	Middle	0.39	0.12	0.4	Pass
		Note: 2DH1: Dwell time = Pulse time*(1600/2/79)*31.6S				
	2DH3	Middle	1.64	0.26	0.4	Pass
		Note: 2DH3: Dwell time = Pulse time*(1600/4/79)*31.6S				
	2DH5	Middle	2.89	0.31	0.4	Pass
		Note: 2DH5: Dwell time = Pulse time*(1600/6/79)*31.6S				
EDR (8DPSK)	3DH1	Middle	0.39	0.13	0.4	Pass
		Note:3 DH1: Dwell time = Pulse time*(1600/2/79)*31.6S				
	3DH3	Middle	1.64	0.26	0.4	Pass
		Note: 3DH3: Dwell time = Pulse time*(1600/4/79)*31.6S				
	3DH5	Middle	2.89	0.31	0.4	Pass
		Note: 3DH5: Dwell time = Pulse time*(1600/6/79)*31.6S				

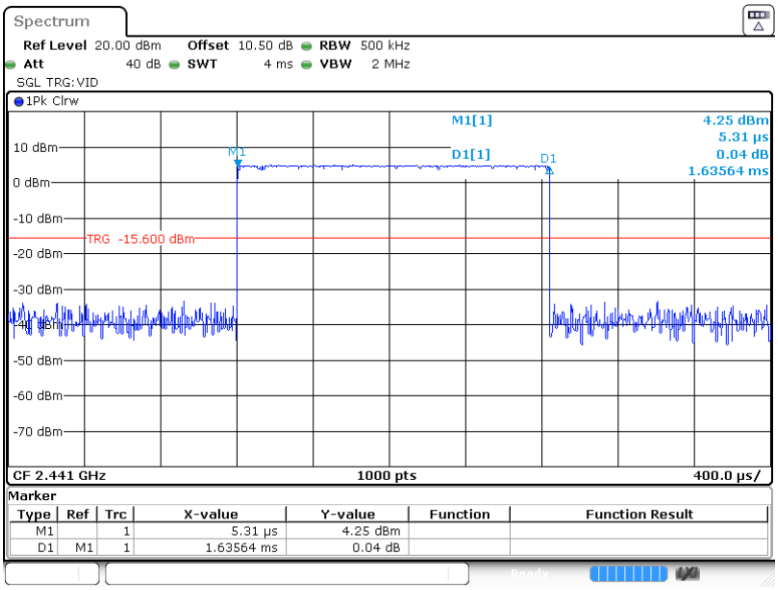
BDR (GFSK): Pulse time, Middle Channel, DH1



ProjectNo.:RSHA240530002 Tester:Jason Lu

Date: 20.JUN.2024 14:09:15

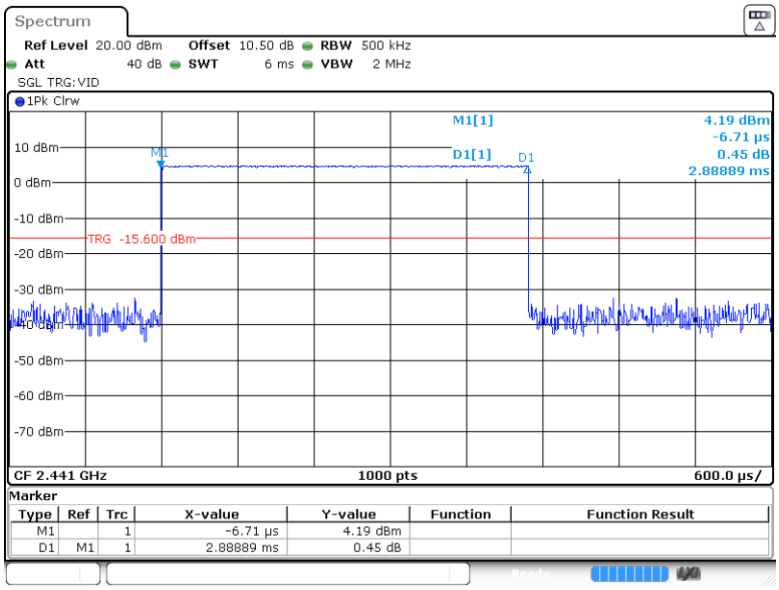
BDR (GFSK): Pulse time, Middle Channel, DH3



ProjectNo.:RSHA240530002 Tester:Jason Lu

Date: 20.JUN.2024 14:11:34

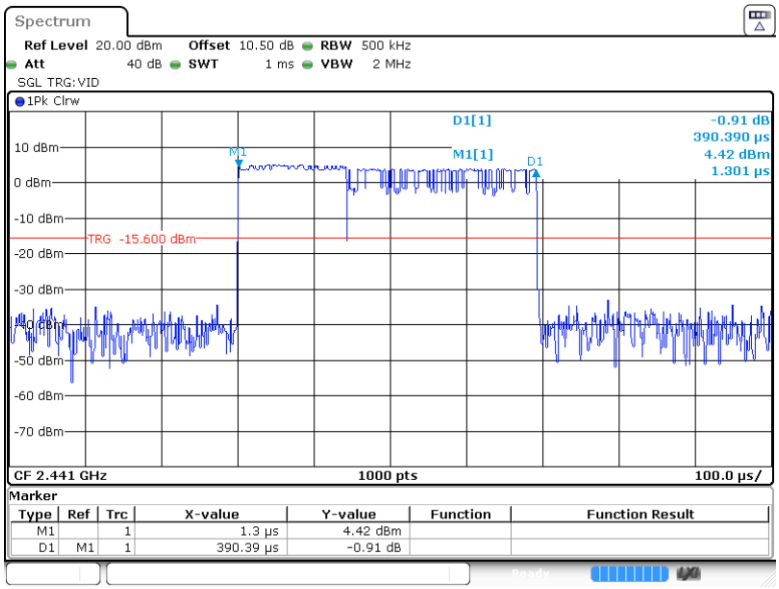
BDR (GFSK): Pulse time, Middle Channel, DH5



ProjectNo.:RSHA240530002 Tester:Jason Lu

Date: 20.JUN.2024 14:15:49

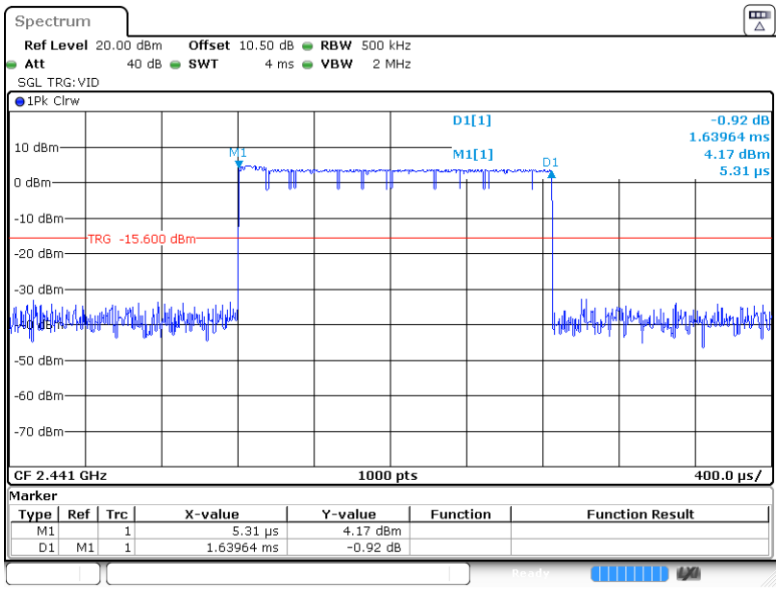
EDR (π/4-DQPSK): Pulse time, Middle Channel, 2DH1



ProjectNo.:RSHA240530002 Tester:Jason Lu

Date: 20.JUN.2024 14:08:18

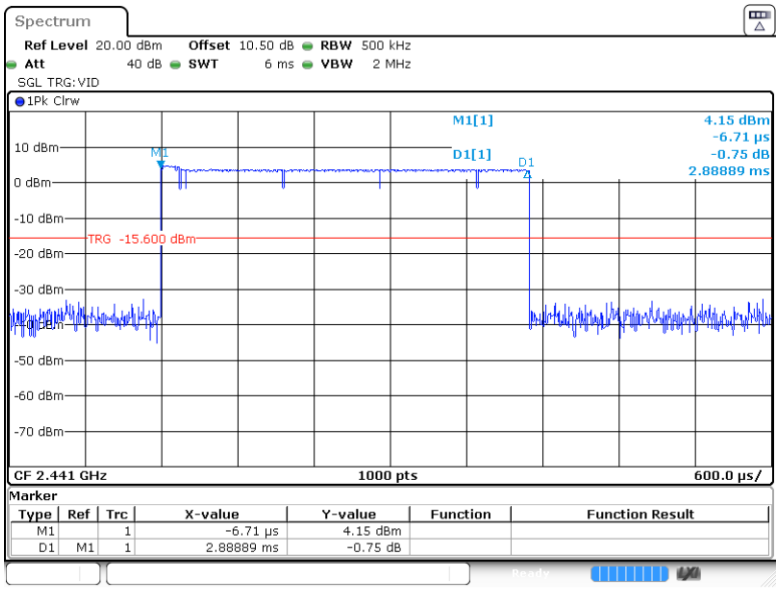
EDR (π/4-DQPSK): Pulse time, Middle Channel, 2DH3



ProjectNo.:RSHA240530002 Tester:Jason Lu

Date: 20.JUN.2024 14:13:30

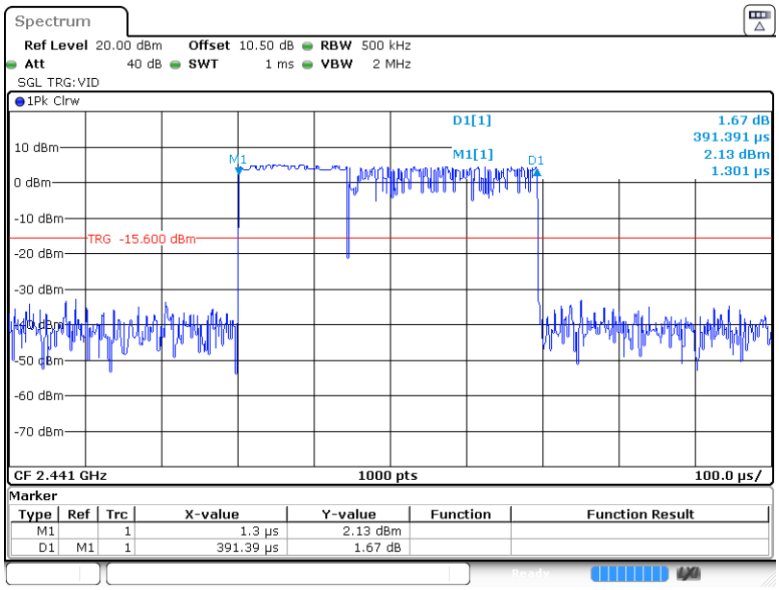
EDR (π/4-DQPSK): Pulse time, Middle Channel, 2DH5



ProjectNo.:RSHA240530002 Tester:Jason Lu

Date: 20.JUN.2024 14:16:52

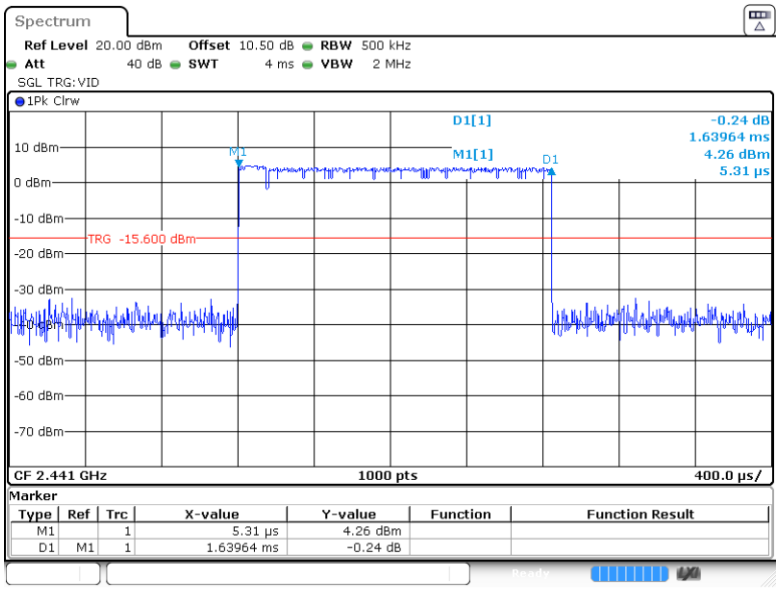
EDR (8DPSK): Pulse time, Middle Channel, 3DH1



ProjectNo.:RSHA240530002 Tester:Jason Lu

Date: 20.JUN.2024 14:06:58

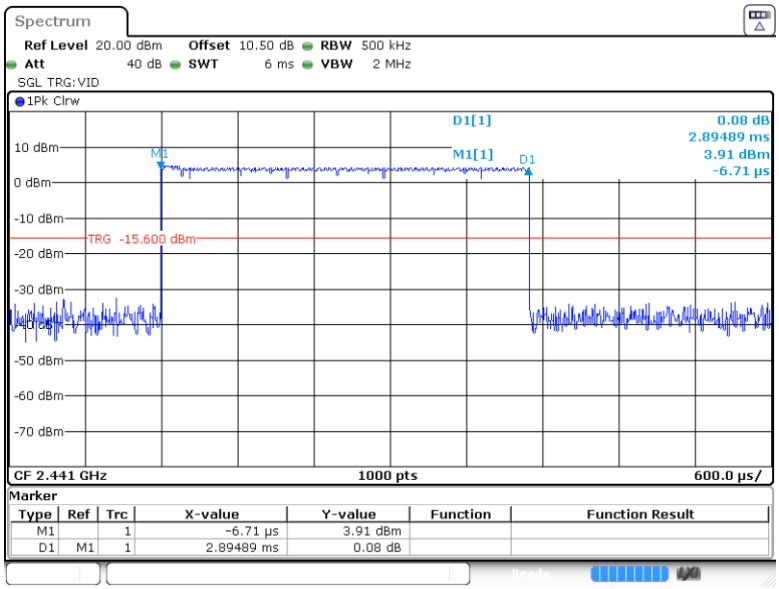
EDR (8DPSK): Pulse time, Middle Channel, 3DH3



ProjectNo.:RSHA240530002 Tester:Jason Lu

Date: 20.JUN.2024 14:14:31

EDR (8DPSK): Pulse time, Middle Channel, 3DH5



ProjectNo.:RSHA240530002 Tester:Jason Lu

Date: 20.JUN.2024 14:17:49

PEAK OUTPUT POWER MEASUREMENT

EUT operation mode: Transmitting

Mode	Channel	Frequency (MHz)	Result (dBm)	Limit (dBm)
GFSK	Low	2402	4.74	21
	Middle	2441	5.22	
	High	2480	5.87	
π/4 DQPSK	Low	2402	5.82	
	Middle	2441	6.18	
	High	2480	6.70	
8DPSK	Low	2402	6.03	
	Middle	2441	6.43	
	High	2480	7.03	

BDR (GFSK): 2402MHz