TEST REPORT

Applicant Name:	JEM Accessories Inc.
Address:	32 Brunswick Avenue, Edison, New Jersey, United States,08817
ReportNumber:	2401V85854E-RF-00A
FCC ID:	2AHAS-XBE90139R

Test Standard (s)

FCC PART 15.247

Sample Description

Product Type:	Wireless earbuds with led display charging case
Model No.:	XBE9-0139
Multiple Model(s) No.:	XBE9-0139-BLK, XBE9-0139-PNK, XBE9-0139-WHT, HP-014
Trade Mark:	N/A
Date Received:	2024-07-15
Issue Date:	2024-09-23

Test Result:	Pass▲

▲In the configuration tested, the EUT complied with the standards above.

Prepared andChecked By:

Ekko Wu
RF Engineer

Approved By:

Michelle Zeng
RF Supervisor

Note: The information marked# is provided by the applicant, the laboratory is not responsible for its authenticity and this information can affect the validity of the result in the test report. Customer model name, addresses, names, trademarks etc. are included.

This report may contain data that are not covered by the NVLAP accreditation and are marked with an asterisk "▼".

TABLE OF CONTENTS

DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
0	2401V85854E-RF-00A	Original Report	2024-09-23

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Frequency Range	2402~2480MHz
Transmit Peak Power	-2.89 dBm
Modulation Technique	Bluetooth: GFSK, π/4-DQPSK, 8DPSK
Antenna Specification#	2.67dBi (provided by the applicant)
Voltage Range	DC 3.7V from battery
Sample serial number	2OFV-2 for Radiated Emissions Test 2OFV-1 for RF Conducted Test (Assigned by BACL, Shenzhen)
Sample/EUT Status	Good condition
Adapter Information	N/A
Note: The multiple models are electrically identical with the test model except for Model No., distributor and color. Please refer to the declaration letter# for more detail, which was provided by manufacturer.	

Objective

This test report is in accordance with Part 2-Subpart J, Part 15-Subparts A and C of the Federal Communication Commissionrules.

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.

All emissions measurement was performed at Bay Area Compliance Laboratories Corp. (Shenzhen). The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

Each test item follows test standards and with no deviation.

Measurement Uncertainty

Parameter		Uncertainty
Occupied Channel Bandwidth		±5%
RF output power, conducted		0.72 dB(k=2, 95% level of confidence)
AC Power Lines Conducted Emissions	9kHz-150kHz	3.94dB(k=2, 95% level of confidence)
	150kHz-30MHz	3.84dB(k=2, 95% level of confidence)
Radiated Emissions	9kHz - 30MHz	3.30dB(k=2, 95% level of confidence)
	30MHz~200MHz (Horizontal)	4.48dB(k=2, 95% level of confidence)
	30MHz~200MHz (Vertical)	4.55dB(k=2, 95% level of confidence)
	200MHz~1000MHz (Horizontal)	4.85dB(k=2, 95% level of confidence)
	200MHz~1000MHz (Vertical)	5.05dB(k=2, 95% level of confidence)
	1GHz - 6GHz	5.35dB(k=2, 95% level of confidence)
	6GHz - 18GHz	5.44dB(k=2, 95% level of confidence)
	18GHz - 40GHz	5.16dB(k=2, 95% level of confidence)
Temperature		±1℃
Humidity		±1%
Supply voltages		±0.4%

Note: The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval.Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Shenzhen) to collect test data is located on the 5F(B-West) , 6F, 7F, the 3rd Phase of Wan Li Industrial Building D, Shihua Rd, FuTian Free Trade Zone, Shenzhen, China.

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No.: 715558, the FCC Designation No.: CN5045.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

The system was configured for testing in an engineering mode.

Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	**2402**	40	2442
1	2403	41	2443
2	2404	42	2444
…	…	…	…
…	…	…	…
36	2438	75	2477
37	2439	76	2478
38	2440	77	2479
39	**2441**	**78**	**2480**
EUT was tested with Channel 0, 39 and 78.			

EUT Exercise Software

Exercise Software#	bt_tool_v1.1.2
Power Level#	4

Special Accessories

No special accessory.

Equipment Modifications

No modification was made to the EUT tested.

Support Equipment List and Details

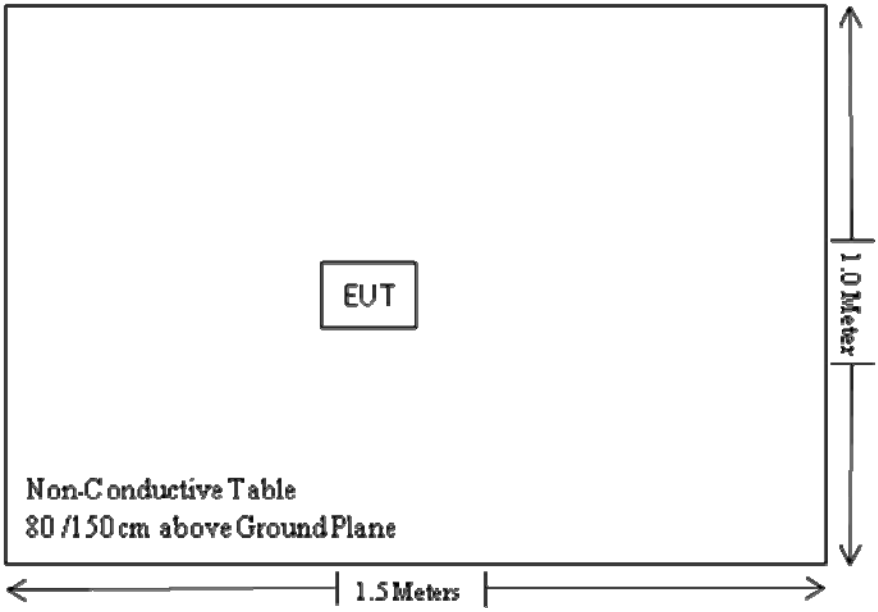
Manufacturer	Description	Model	Serial Number
/	/	/	/

External I/O Cable

Cable Description	Length (m)	From Port	To
/	/	/	/

Block Diagram of Test Setup

For Radiated Emissions



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
FCC §15.203	Antenna Requirement	PASS
FCC §15.207(a)	AC Line Conducted Emissions	Not Applicable
FCC §15.205, §15.209, §15.247(d)	Radiated Spurious Emission	PASS
FCC §15.247(a)(1)	20 dB Emission Bandwidth	PASS
FCC §15.247(a)(1)	Channel Separation	PASS
FCC §15.247(a)(1)(iii)	Number of Hopping Frequency	PASS
FCC §15.247(a)(1)(iii)	Time of Occupancy (dwell time)	PASS
FCC §15.247(b)(1)	Maximum Conducted Output Power	PASS
FCC §15.247(d)	100 kHz Bandwidth of Frequency Band Edge	PASS
FCC §1.1307&§2.1093&§15.247 (i)	RF Exposure	PASS

Not Applicable: The device is powered by battery.

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Radiated Emission Test					
Unknown	Cable	XH500C	J-10M-A	2024/06/18	2025/06/17
BACL	Active Loop Antenna	1313-1A	4031911	2024/05/14	2027/05/13
Unknown	Cable	PNG214	1354	2024/05/21	2025/05/20
Unknown	Cable	2Y194	0735	2024/05/21	2025/05/20
Audix	EMI Test software	E3	191218(V9)	NCR	NCR
Sonoma instrument	Pre-amplifier	310N	186238	2024/05/21	2025/05/20
Rohde & Schwarz	EMI Test Receiver	ESR3	102455	2024/01/16	2025/01/15
Sunol Sciences	Broadband Antenna	JB1	A040904-1	2023/07/20	2026/07/19
Rohde&Schwarz	Spectrum Analyzer	FSV40	101605	2024/03/27	2025/03/26
COM-POWER	Pre-amplifier	PA-122	181919	2024/06/18	2025/06/17
Schwarzbeck	Horn Antenna	BBHA9120D(1201)	1143	2023/07/26	2026/07/25
Unknown	RF Cable	KMSE	0735	2024/06/18	2025/06/17
Unknown	RF Cable	UFA147	219661	2024/06/18	2025/06/17
Unknown	RF Cable	XH750A-N	J-10M	2024/06/18	2025/06/17
JD	Multiplex Switch Test Control Set	DT7220FSU	DQ77926	2024/06/18	2025/06/17
A.H.System	Pre-amplifier	PAM-1840VH	190	2024/06/18	2025/06/17
Electro-Mechanics Co	Horn Antenna	3116	2026	2023/09/18	2026/09/17
UTIFLEX	RF Cable	NO. 13	232308-001	2024/06/18	2025/06/17
RF Conducted Test					
Rohde & Schwarz	Spectrum Analyzer	FSV40	101473	2024/01/16	2025/01/15
Unknown	10dB Attenuator	Unknown	F-03-EM190	2024/06/27	2025/06/26

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

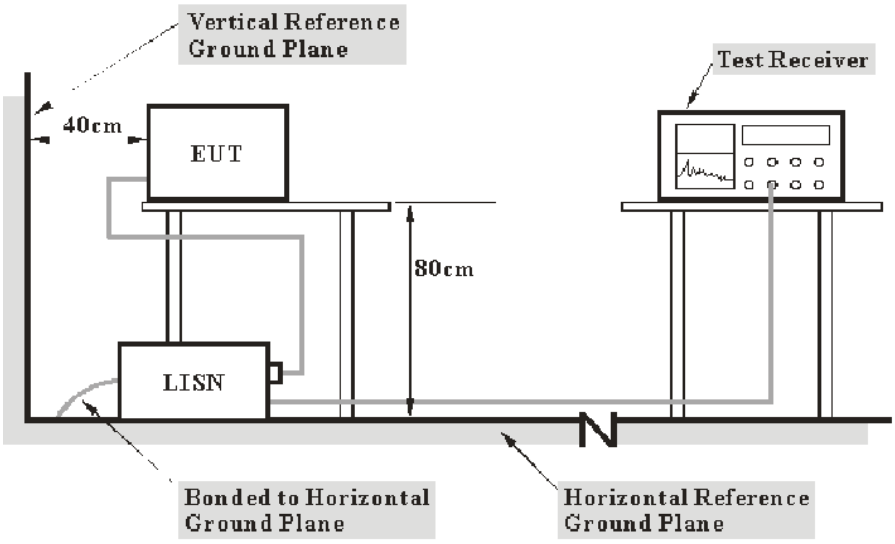
REQUIREMENTS AND TEST PROCEDURES

AC Line Conducted Emissions

Applicable Standard

FCC §15.207(a)

EUT Setup



Note: 1. Support units were connected to second LISN.
2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

The measurement procedure of EUT setup is according with ANSI C63.10-2013. The related limit was specifiedin FCC Part 15.207.

The spacing between the peripherals was 10cm.

EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30MHz.

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

Frequency Range	IF B/W
150 kHz – 30 MHz	9 kHz

Test Procedure

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

All final data was recorded in the Quasi-peak and average detection mode.

Factor &Over Limit Calculation

The factor is calculated by addingLISN VDF (Voltage Division Factor) and Cable Loss. The basic equation is as follows:

Factor = LISN VDF + Cable Loss

The "**Over limit**" column of the following data tables indicates the degree of compliance with the applicablelimit. For example, an Over limit of -7dB means the emission is 7 dB below the limit. The equation forcalculation is as follows:

Over Limit = Level – Limit
Level = Read Level + Factor

Note: The term "cable loss" refers to the combination of a cable and a 10dB transient limiter (attenuator).

Test Result

Not Applicable: The device is powered by battery.

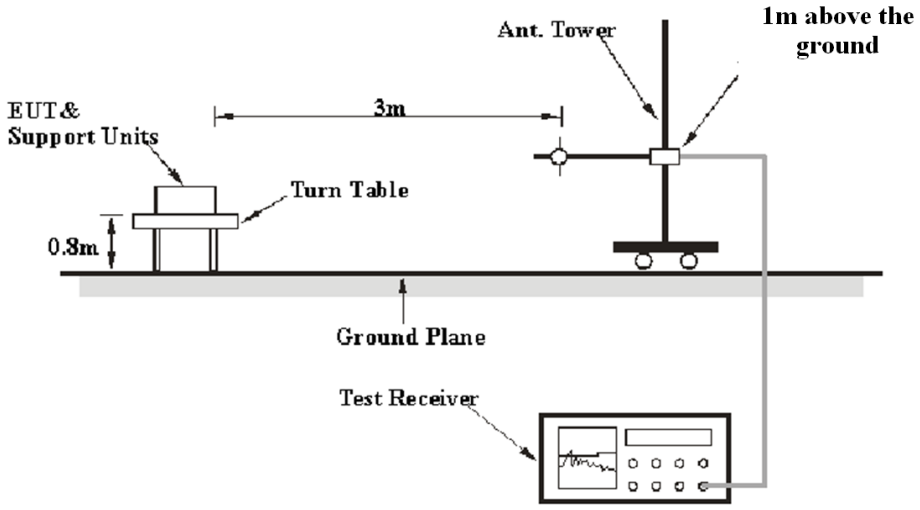
Radiated Emissions

Applicable Standard

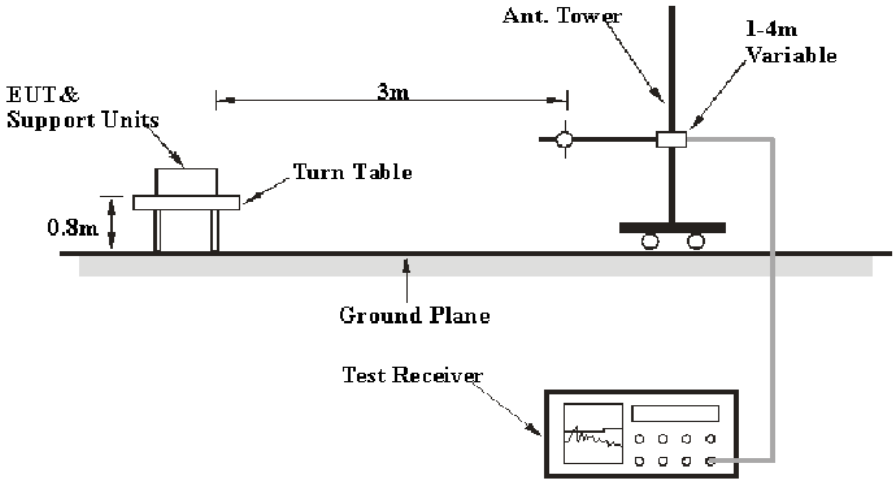
FCC §15.205; §15.209; §15.247(d)

EUT Setup

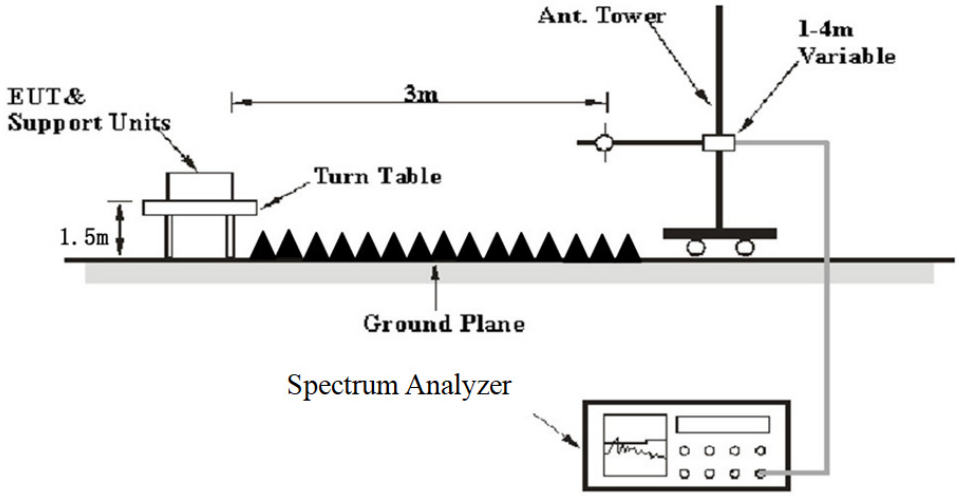
9 kHz-30MHz:



30MHz-1GHz:



Above 1GHz:



The radiated emission tests were performed in the 3meters, 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&Spectrum Analyzer Setup

The EMI test receiver &Spectrum Analyzer Setup were set with the following configurations:

FrequencyRange	RBW	Video B/W	IF B/W	Measurement
9 kHz – 150 kHz	/	/	200Hz	QP
	300Hz	1 kHz	/	PK
150 kHz – 30 MHz	/	/	9 kHz	QP
	10 kHz	30 kHz	/	PK
30MHz – 1000 MHz	/	/	120kHz	QP
	100 kHz	300 kHz	/	PK
Above 1 GHz	Harmonics &Band Edge			
	1MHz	3 MHz	/	PK
	Average Emission Level=Peak Emission Level+20*log(Duty cycle)			
	Other Emissions			
	1MHz	3 MHz	/	PK
	1MHz	10 Hz	/	Average

For Duty cycle measurement:

Use the duty cycle factor correction factor method per 15.35(c).
Duty cycle=On time/100milliseconds, On time=N1*L1+N2*L2+…Nn-1*Ln-1+Nn*Ln,
Where N1 is number of type 1 pulses, L1 is length of type 1 pulse, etc.

Test Procedure

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

All final data was recorded in Quasi-peak detection modeexcept for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz, average detection modes for frequency bands 9–90 kHz and 110–490 kHz, peak and average detection modes for frequencies above 1 GHz.

For 9 kHz-30MHz, the report shall list the six emissions with the smallest margin relative tothe limit, for each of the three antenna orientations (parallel, perpendicular, and ground-parallel) unless themargin is greater than 20 dB.

If the maximized peakmeasured value complies with under the QP/Average limit more than 6dB, then it is unnecessary to perform an QP/Average measurement.

All emissions under the average limit and under the noise floor have not recorded in the report.

Factor & Over Limit/Margin Calculation

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

Factor = Antenna Factor + Cable Loss - Amplifier Gain

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

Over Limit/Margin = Level/Corrected Amplitude–Limit
Level / Corrected Amplitude = Read Level + Factor

20 dBEmission 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

Test Method: ANSI C63.10-2013 Clause 7.8.7 &Clause 6.9.2

a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the EMI receiver or spectrum analyzer shall be between two times and five times the OBW.

b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW and video bandwidth (VBW) shall be approximately three times RBW, unless otherwise specified by the applicable requirement.

c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than [10 log (OBW/RBW)] below the reference level.

d) Steps a) through c) might require iteration to adjust within the specified tolerances.

e) The dynamic range of the instrument at the selected RBW shall be more than 10 dB below the target "−xx dB down" requirement; that is, if the requirement calls for measuring the −20 dB OBW, the instrument noise floor at the selected RBW shall be at least 30 dB below thereference value.

f) Set detection mode to peak and trace mode to max hold.

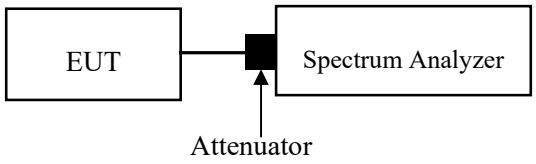
g) Determine the reference value: Set the EUT to transmit an un-modulated carrier or modulated signal, as applicable. Allow the trace to stabilize. Set the spectrum analyzer marker to thehighest level of the displayed trace (this is the reference value).

h) Determine the "−xx dB down amplitude" using [(reference value) −xx]. Alternatively, this calculation may be made by using the marker-delta function of the instrument.

i) If the reference value is determined by an un-modulated carrier, then turn the EUT modulation on, and either clear the existing trace or start a new trace on the spectrum analyzer and allow the new trace to stabilize. Otherwise, the trace from step g) shall be used for step j).

j) Place two markers, one at the lowest frequency and the other at the highest frequency of the envelope of the spectral display, such that each marker is at or slightly below the "−xx dB down amplitude"determined in step h). If a marker is below this "−xx dB down amplitude"value, then it shall be as close as possible to this value. The occupied bandwidth is the frequencydifference between the two markers. Alternatively, set a marker at the lowest frequency of theenvelope of the spectral display, such that the marker is at or slightly below the "−xx dB downamplitude" determined in step h). Reset the marker-delta function and move the marker to theother side of the emission until the delta marker amplitude is at the same level as the referencemarker amplitude. The marker-delta frequency reading at this point is the specified emissionbandwidth.

k) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).



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. The system shall hop to channel frequencies that are selected at the system hopping rate from a pseudo randomly ordered list of hopping frequencies. Each frequency must be used equally on the average by each transmitter. The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals.

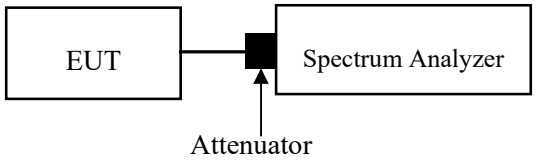
Test Procedure

Test Method: ANSI C63.10-2013 Clause 7.8.2

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 determinethe separation between the peaks of the adjacent channels. Compliance of an EUT with the appropriate regulatory limit shall be determined.



Note: The limit is 2/3*20 dB bandwidth

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

Test Method: ANSI C63.10-2013 Clause 7.8.3

a) Span: The frequency band of operation. Depending on the number of channels the devicesupports, 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 channelspacing or the 20 dB bandwidth, whichever is smaller.

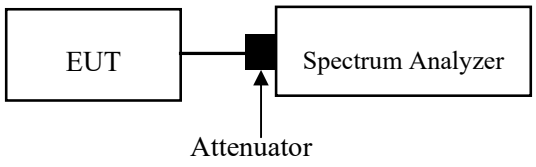
c) VBW ≥RBW.

d) Sweep: Auto.

e) Detector function: Peak.

f) Trace: Max hold.

It might prove necessary to break the span up into sub ranges to show clearly all of the hopping frequencies. Compliance of an EUT with the appropriate regulatory limit shall be determined for the number of hopping channels.



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

Test Method: ANSI C63.10-2013 Clause 7.8.4

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 startof the plot. The trigger level might need slight adjustment to prevent triggering when the systemhops on an adjacent channel; a second plot might be needed with a longer sweep time to showtwo successive hops on a channel.
d) Detector function: Peak.
e) Trace: Max hold.

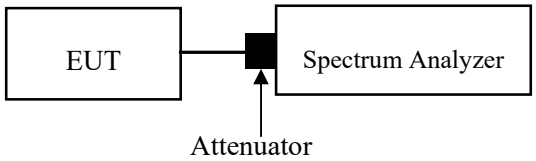
Use the marker-delta function to determine the transmit time per hop. If this value varies with differentmodes of operation (data rate, modulation format, number of hopping channels, etc.), then repeat this testfor each variation in transmit time.

Repeat the measurement using a longer sweep time to determine the number of hops over the periodspecified in the requirements. The sweep time shall be equal to, or less than, the period specified in therequirements. Determine the number of hops over the sweep time and calculate the total number of hops inthe period specified in the requirements, using the following equation:

(Number of hops in the period specified in the requirements) =(number of hops on spectrum analyzer) ×(period specified in the requirements / analyzer sweep time)

The average time of occupancy is calculated from the transmit time per hop multiplied by the number ofhops in the period specified in the requirements. If the number of hops in a specific time varies withdifferent modes of operation (data rate, modulation format, number of hopping channels, etc.), then repeatthis test for each variation.

The measured transmit time and time between hops shall be consistent with the values described in theoperational description for the EUT.



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

Test Method: ANSI C63.10-2013 Clause 7.8.5

This is an RF-conducted test to evaluate maximum peak output power. Use a direct connection between theantenna port of the unlicensed wireless device and the spectrum analyzer, through suitable attenuation. Thehopping shall be disabled for this test:

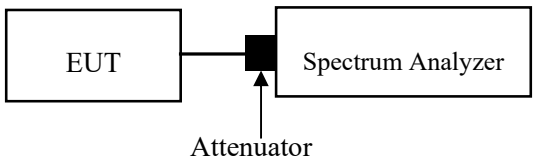
a) Use the following spectrum analyzer settings:

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 andcables.



Band Edges

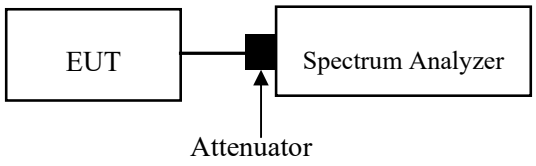
Applicable Standard

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

Test Method: ANSI C63.10-2013 Clause 7.8.6 &Clause 6.10

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 spanincluding 100kHz 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.



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.

Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

Antenna Connector Construction

The EUT has a chip antenna arrangement, which was permanently attached, the antenna gain[#] is 2.67dBi, fulfill the requirement of this section. Please refer to the EUT photos.

Result: Compliant

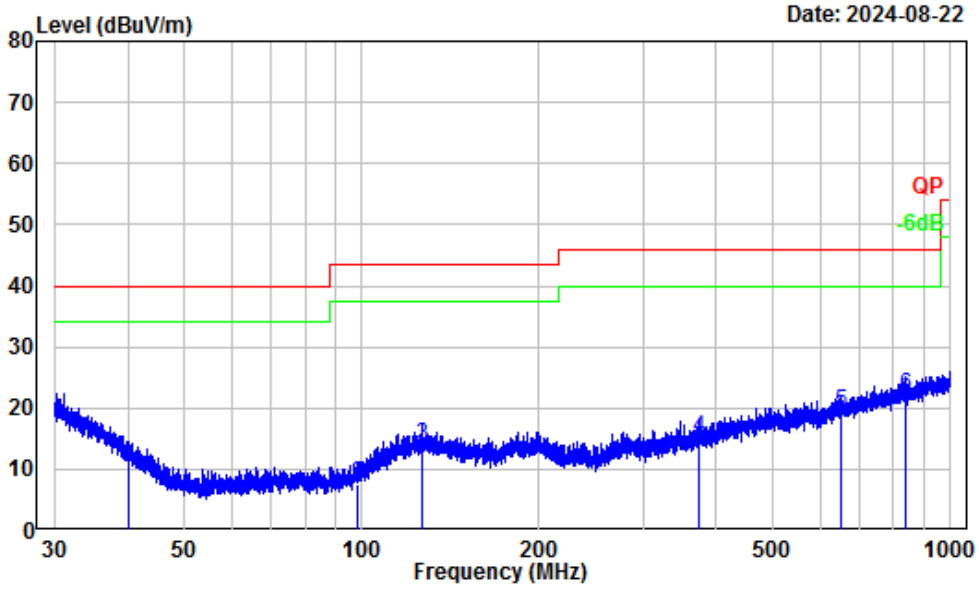
TEST DATA AND RESULTS

Radiated Emissions

Environmental Conditions

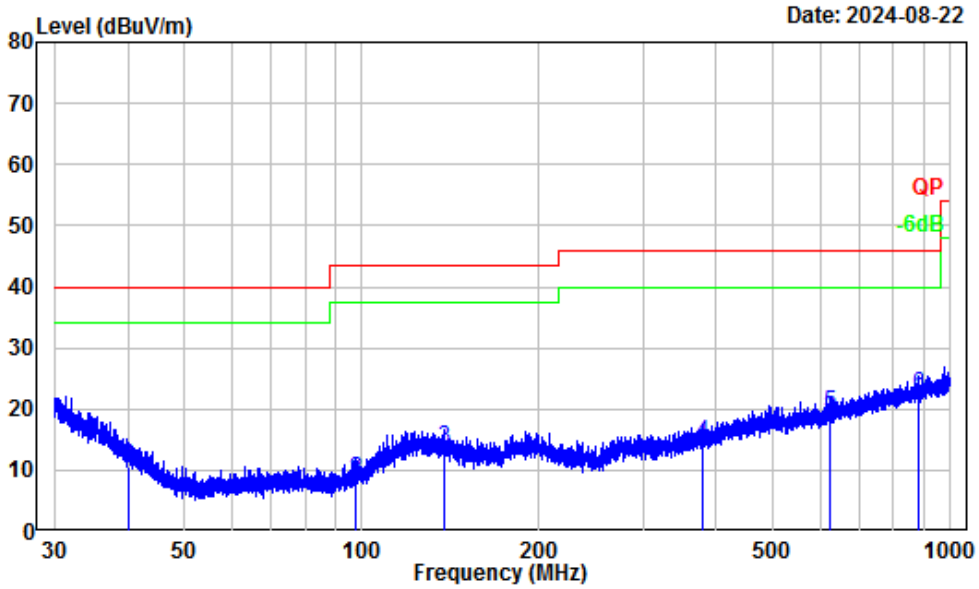
Temperature (℃)	22-28	**Relative Humidity (%)**	50-54
ATM Pressure (kPa):	101	**Test engineer:**	Anson Su&Sadow Tan
Test date:	2024.8.22-2024.8.28		
EUT operation mode:	Below 1GHz: Transmitting (Maximumoutput power mode EDR(8DPSK), Low channel) Above 1GHz: Transmitting (Maximumoutput power mode EDR(8DPSK)		
Note:	For the radiated spurious emission below 30MHz, the emissions are 20dB below the limit or the noise floor which are not recorded. For pre-scan in the X, Y and Z axes of orientation, the worst case Z-axis of orientation were recorded.		

Below 1GHz:



Site : Chamber A
Condition : 3m Horizontal
Project Number: 2401V85854E-RF
Test Mode : Transmitting
Tester : Anson Su

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	40.05	-13.23	23.57	10.34	40.00	-29.66	QP
2	98.53	-17.10	24.67	7.57	43.50	-35.93	QP
3	126.16	-12.30	26.23	13.93	43.50	-29.57	QP
4	374.79	-11.55	26.61	15.06	46.00	-30.94	QP
5	651.09	-7.08	26.33	19.25	46.00	-26.75	QP
6	841.39	-4.28	26.26	21.98	46.00	-24.02	QP



Site : Chamber A
Condition : 3m Vertical
Project Number: 2401V85854E-RF
Test Mode : Transmitting
Tester : Anson Su

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	40.15	-13.31	23.83	10.52	40.00	-29.48	QP
2	97.24	-17.49	26.07	8.58	43.50	-34.92	QP
3	137.60	-12.81	26.35	13.54	43.50	-29.96	QP
4	378.58	-11.48	26.00	14.52	46.00	-31.48	QP
5	624.80	-7.73	26.93	19.20	46.00	-26.80	QP
6	882.95	-3.82	26.17	22.35	46.00	-23.65	QP

Above 1GHz:

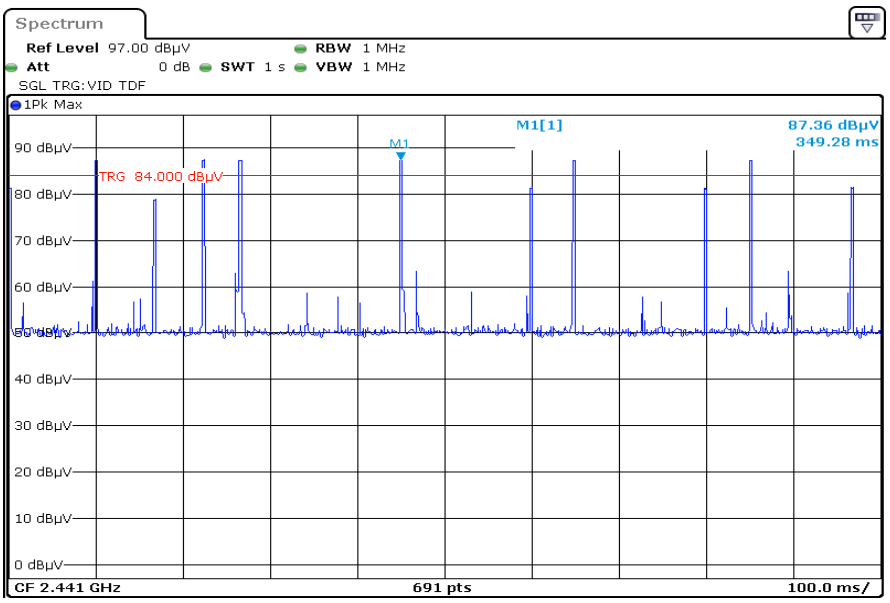
Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	PK/Ave					
8DPSK							
Low Channel							
2370.61	53.91	PK	H	-2.93	50.98	74	-23.02
2378.25	53.96	PK	V	-2.93	51.03	74	-22.97
4804	69.33	PK	H	1.69	71.02	74	-2.98
4804	61.34	PK	V	1.69	63.03	74	-10.97
Middle Channel							
4882	68.84	PK	H	1.69	70.53	74	-3.47
4882	61.72	PK	V	1.69	63.41	74	-10.59
High Channel							
2483.54	73.66	PK	H	-3.17	70.49	74	-3.51
2483.56	65.9	PK	V	-3.17	62.73	74	-11.27
4960	68.41	PK	H	2.77	71.18	74	-2.82
4960	59.15	PK	V	2.77	61.92	74	-12.08

Note:
Factor = Antenna factor (RX) + Cable Loss – Amplifier Factor
Corrected Amplitude/Level = Factor + Reading
Margin = Corrected Amplitude/Level - Limit
The other spurious emission which is in the noise floor level was not recorded.

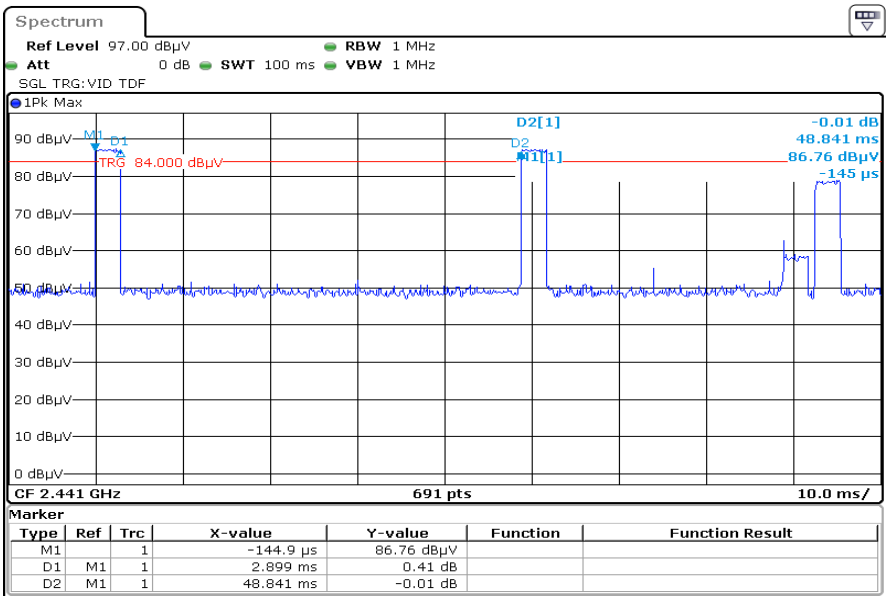
Field Strength of Average							
Frequency (MHz)	**Peak Measurement @3m (dBµV/m)**	**Polar (H/V)**	**Duty Cycle Correction Factor (dB)**	**Average Level (dBµV/m)**	**Limit (dBµV/m)**	**Margin (dB)**	**Comment**
Low Channel							
2370.61	50.98	H	-24.73	26.25	54	-27.75	Bandedge
2378.25	51.03	V	-24.73	26.3	54	-27.7	Bandedge
4804	71.02	H	-24.73	46.29	54	-7.71	Harmonic
4804	63.03	V	-24.73	38.3	54	-15.7	Harmonic
Middle Channel							
4882	70.53	H	-24.73	45.8	54	-8.2	Harmonic
4882	63.41	V	-24.73	38.68	54	-15.32	Harmonic
High Channel							
2483.54	70.49	H	-24.73	45.76	54	-8.24	Bandedge
2483.56	62.73	V	-24.73	38	54	-16	Bandedge
4960	71.18	H	-24.73	46.45	54	-7.55	Harmonic
4960	61.92	V	-24.73	37.19	54	-16.81	Harmonic

Note: Average level= Peak level + Duty Cycle Corrected Factor
Margin = Average level - Limit

Worst case duty cycle:
Duty cycle = Ton/100ms = 2.899*2/100=0.05798
Duty Cycle Corrected Factor = 20lg (Duty cycle) = 20lg0.05798 = -24.73



ProjectNo.:2401V85854E-RF Tester:Sadow Tan
Date: 28.AUG.2024 10:59:03

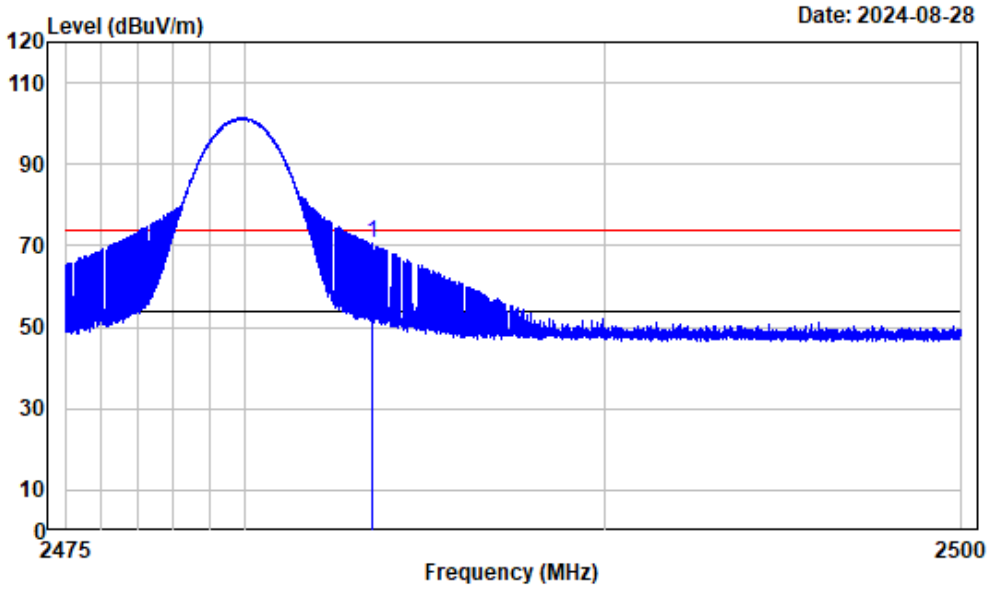


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	-144.9 µs	86.76 dBµV		
D1	M1	1	2.899 ms	0.41 dB		
D2	M1	1	48.841 ms	-0.01 dB		

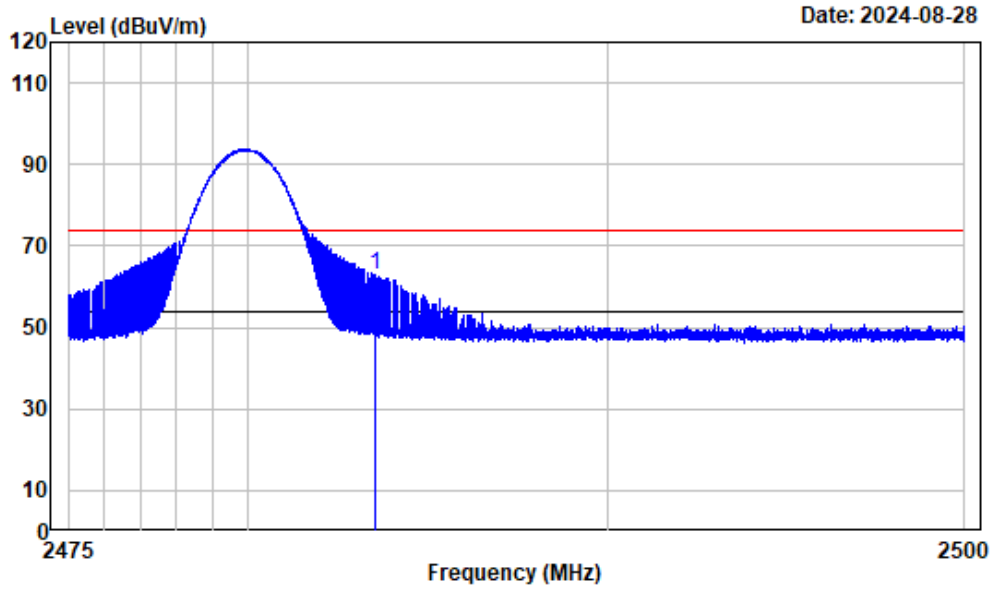
ProjectNo.:2401V85854E-RF Tester:Sadow Tan
Date: 28.AUG.2024 11:00:43

Test plots(Worst case, 8DPSK, High channel)



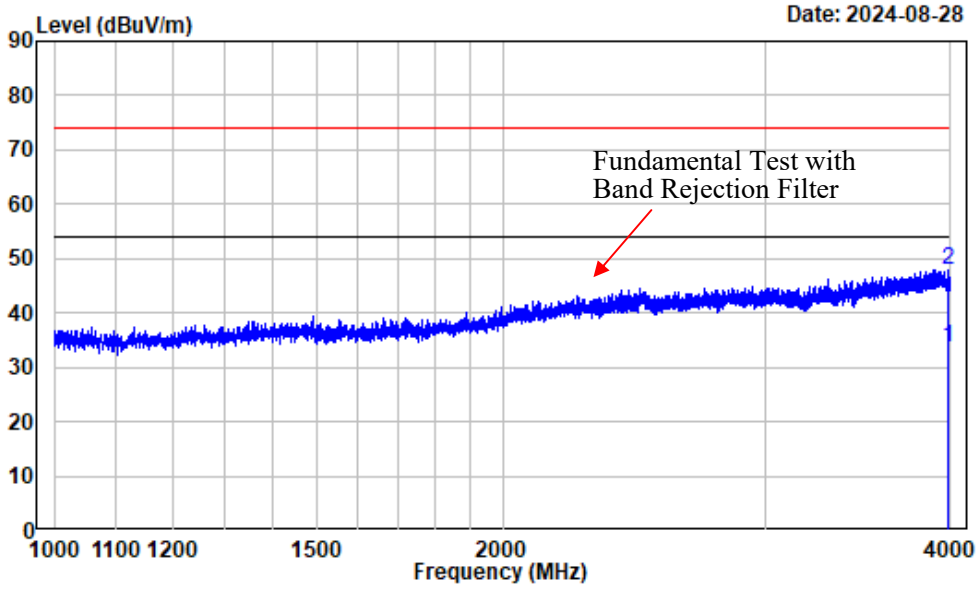
Condition : Horizontal
Project No.: 2401V85854E-RF
Tester : Sadow Tan
Note : BT_2480

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2483.541	-3.17	73.66	70.49	74.00	-3.51	peak



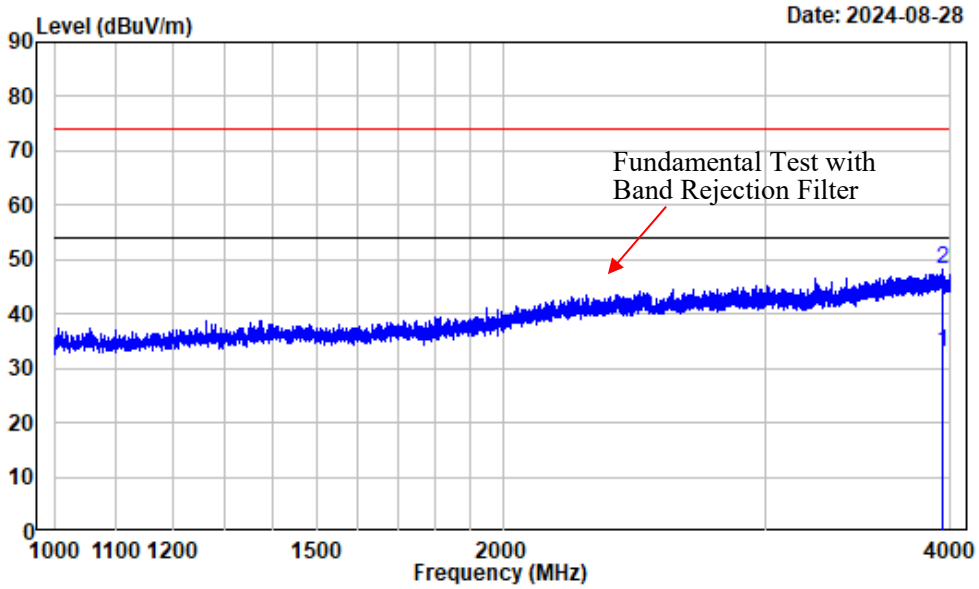
Condition : Vertical
Project No.: 2401V85854E-RF
Tester : Sadow Tan
Note : BT_2480

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2483.556	-3.17	65.90	62.73	74.00	-11.27	peak



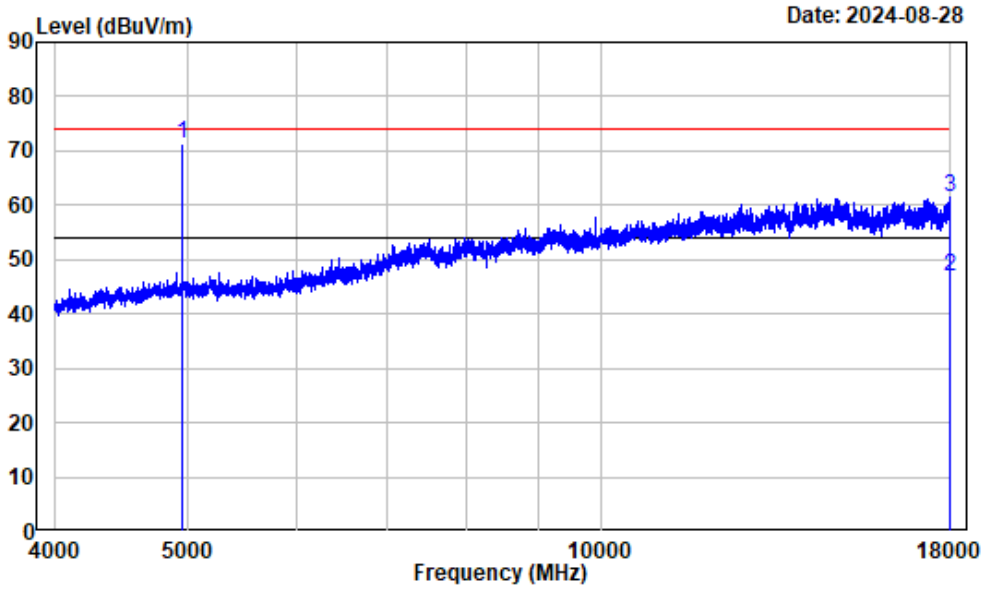
Condition : Horizontal
Project No.: 2401V85854E-RF
Tester : Sadow Tan
Note : BT_2480

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	3982.750	-0.20	33.71	33.51	54.00	-20.49	Average
2	3982.750	-0.20	48.12	47.92	74.00	-26.08	Peak



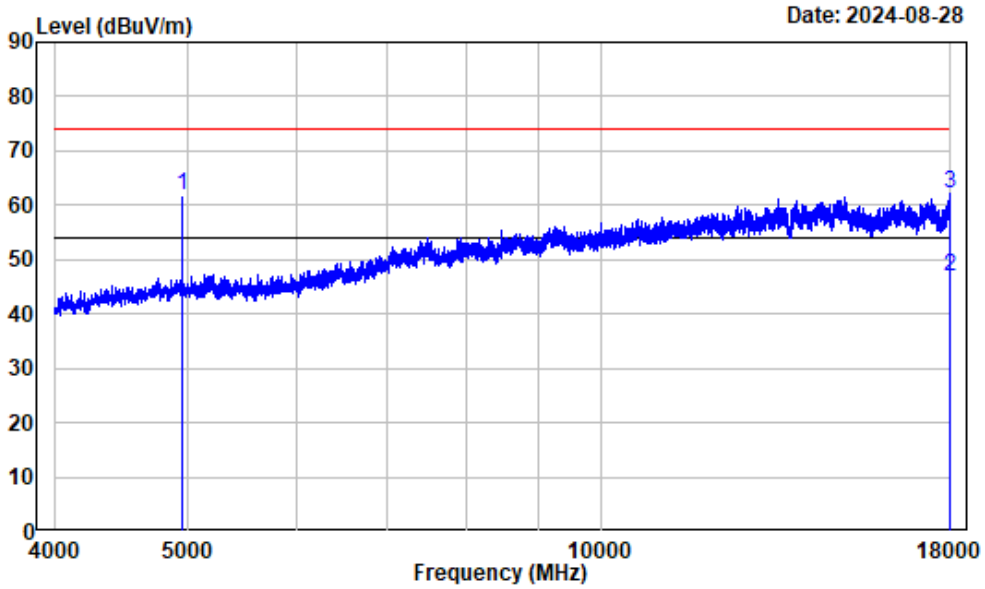
Condition : Vertical
Project No.: 2401V85854E-RF
Tester : Sadow Tan
Note : BT_2480

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	3955.000	-0.17	33.26	33.09	54.00	-20.91	Average
2	3955.000	-0.17	48.26	48.09	74.00	-25.91	Peak



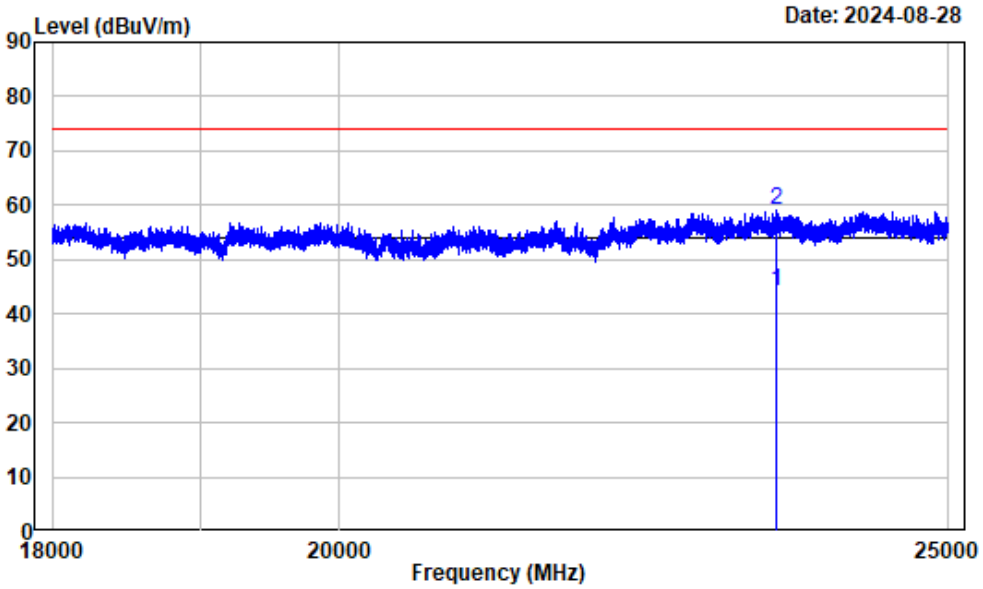
Condition : Horizontal
Project No.: 2401V85854E-RF
Tester : Sadow Tan
Note : BT_2480

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	4960.000	2.77	68.41	71.18	74.00	-2.82	Peak
2	17998.250	24.61	22.19	46.80	54.00	-7.20	Average
3	17998.250	24.61	37.00	61.61	74.00	-12.39	Peak



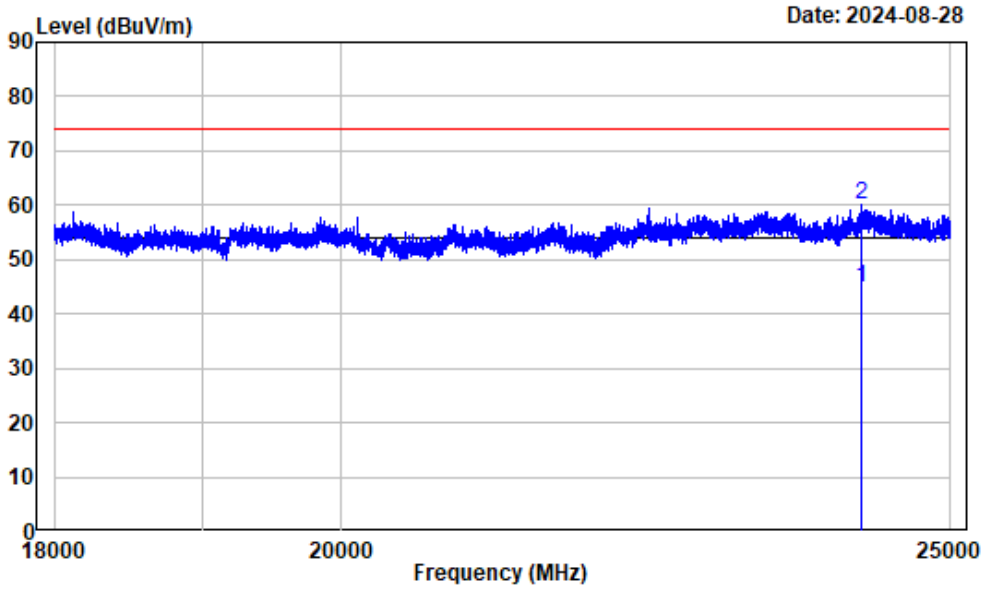
Condition : Vertical
Project No.: 2401V85854E-RF
Tester : Sadow Tan
Note : BT_2480

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	4960.000	2.77	59.15	61.92	74.00	-12.08	Peak
2	17996.500	24.60	22.33	46.93	54.00	-7.07	Average
3	17996.500	24.60	37.61	62.21	74.00	-11.79	Peak



Condition : Horizontal
Project No.: 2401V85854E-RF
Tester : Sadow Tan
Note : BT_2480

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	23473.130	17.43	26.88	44.31	54.00	-9.69	Average
2	23473.130	17.43	41.64	59.07	74.00	-14.93	peak



Condition : Vertical
Project No.: 2401V85854E-RF
Tester : Sadow Tan
Note : BT_2480

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	24203.750	18.29	26.41	44.70	54.00	-9.30	Average
2	24203.750	18.29	41.86	60.15	74.00	-13.85	peak

20 dB Emission Bandwidth

Test Information:

Serial No.:	2OFV-1	**Test Date:**	2024/09/02
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Allen Bai	**Test Result:**	N/A

Environmental Conditions:

Temperature: (°C):	26	**Relative Humidity: (%)**	50	**ATM Pressure: (kPa)**	101

BDR

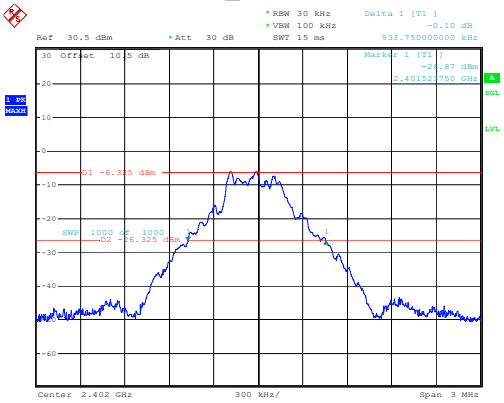
Mode	Value (MHz)
GFSK_Low	**0.934**
GFSK_Middle	0.930
GFSK_High	**0.934**

EDR

Mode	Value (MHz)
π/4-DQPSK_Low	**1.253**
π/4-DQPSK_Middle	**1.253**
π/4-DQPSK_High	**1.253**
8DPSK_Low	1.223
8DPSK_Middle	1.219
8DPSK_High	1.219

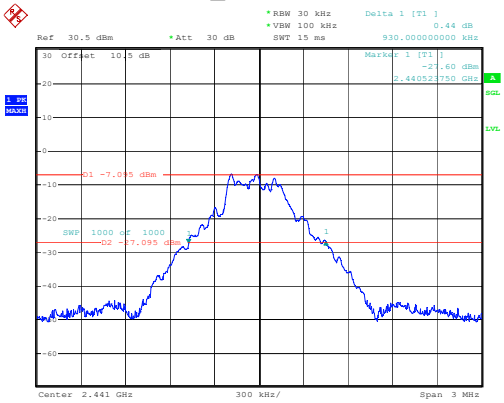
BDR

GFSK_Low 0.934MHz



ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 2.SEP.2024 18:56:30

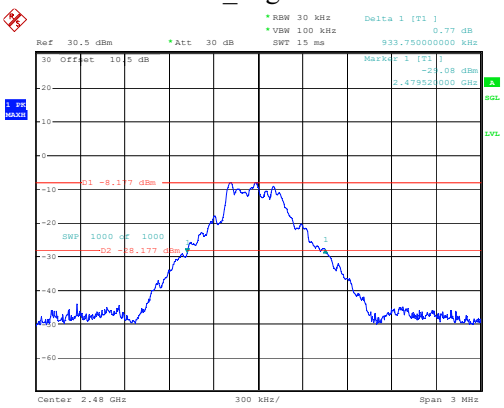
GFSK_Middle 0.930MHz



ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 2.SEP.2024 18:57:28

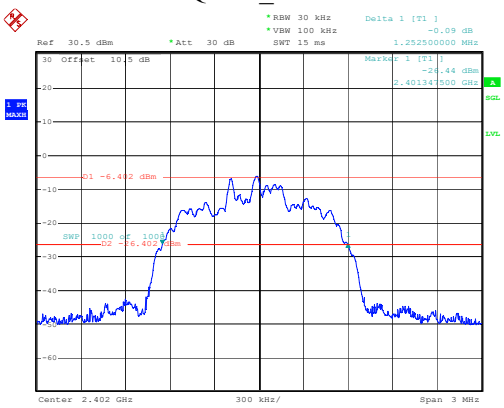
EDR

GFSK_High 0.934MHz



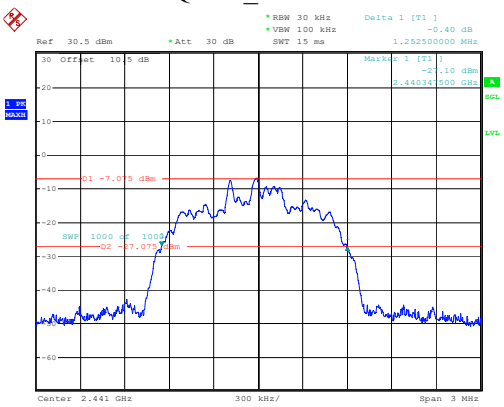
ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 2.SEP.2024 18:58:19

π/4-DQPSK_Low 1.253MHz



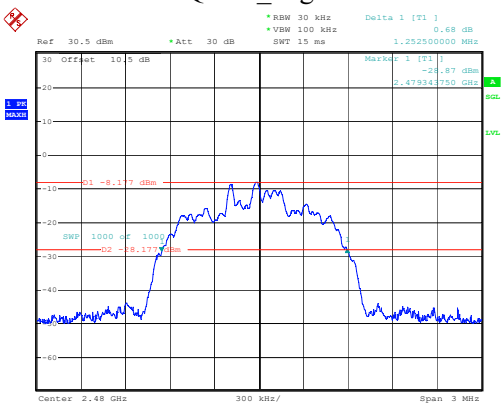
ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 2.SEP.2024 18:59:22

π/4-DQPSK_Middle 1.253MHz



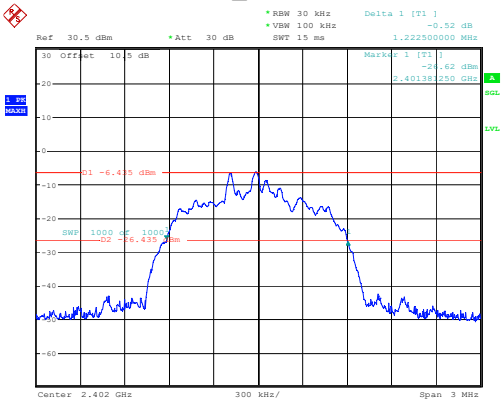
ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 2.SEP.2024 19:00:15

π/4-DQPSK_High 1.253MHz



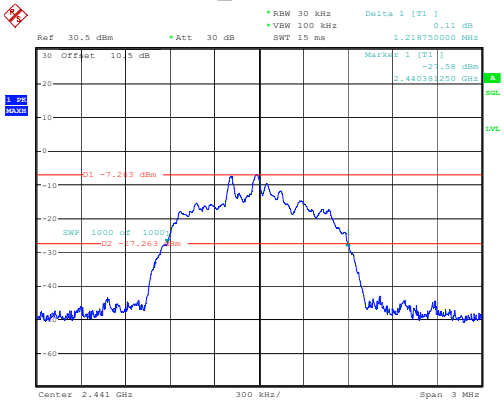
ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 2.SEP.2024 19:01:07

8DPSK_Low 1.223MHz



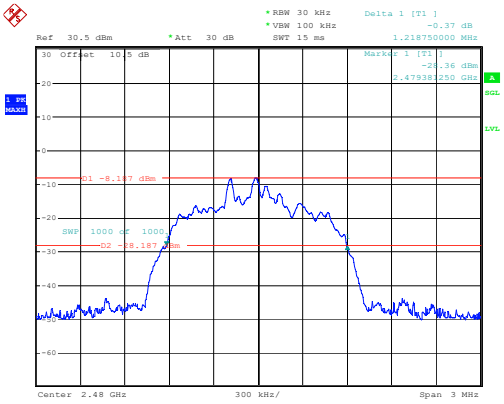
ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 2.SEP.2024 19:02:22

8DPSK_Middle 1.219MHz



ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 2.SEP.2024 19:11:50

8DPSK_High 1.219MHz



ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 2.SEP.2024 19:12:41

Channel Separation

Test Information:

Serial No.:	2OFV-1	**Test Date:**	2024/09/02
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Allen Bai	**Test Result:**	Pass

Environmental Conditions:

Temperature: (°C):	26	**Relative Humidity: (%)**	50	**ATM Pressure: (kPa)**	101

BDR

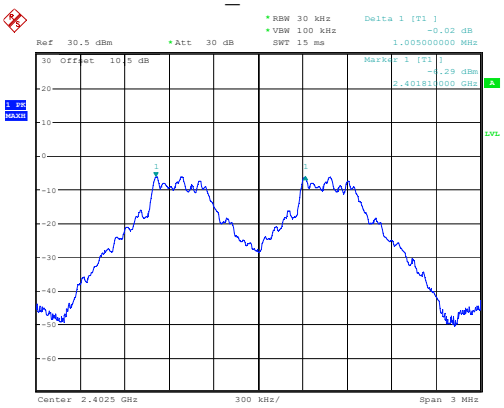
Mode	Value (MHz)	Limit (MHz)	Result
GFSK_Low	**1.005**	0.623	Pass
GFSK_Middle	1.001	0.620	Pass
GFSK_High	**1.005**	0.623	Pass

EDR

Mode	Value (MHz)	Limit (MHz)	Result
π/4-DQPSK_Low	1.001	0.835	Pass
π/4-DQPSK_Middle	**1.009**	0.835	Pass
π/4-DQPSK_High	1.001	0.835	Pass
8DPSK_Low	0.998	0.815	Pass
8DPSK_Middle	1.001	0.813	Pass
8DPSK_High	1.001	0.813	Pass

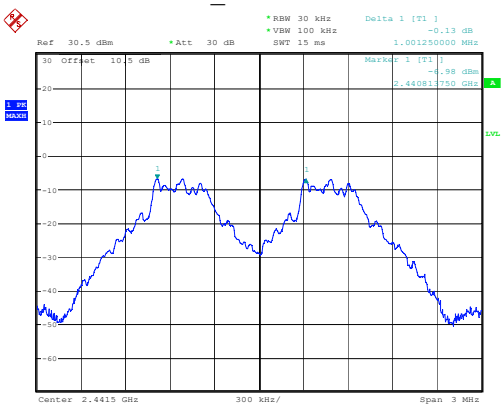
BDR

GFSK_Low 1.005MHz



ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 2.SEP.2024 19:37:58

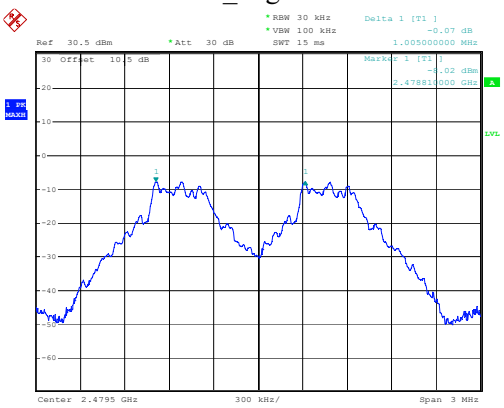
GFSK_Middle 1.001MHz



ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 2.SEP.2024 19:39:10

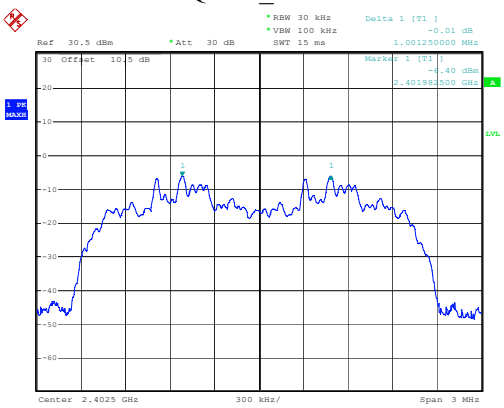
EDR

GFSK_High 1.005MHz



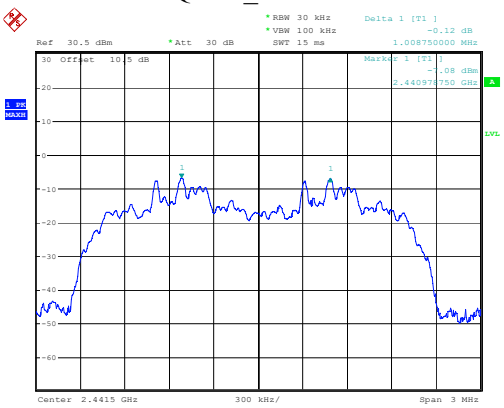
ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 2.SEP.2024 19:40:29

π/4-DQPSK_Low 1.001MHz



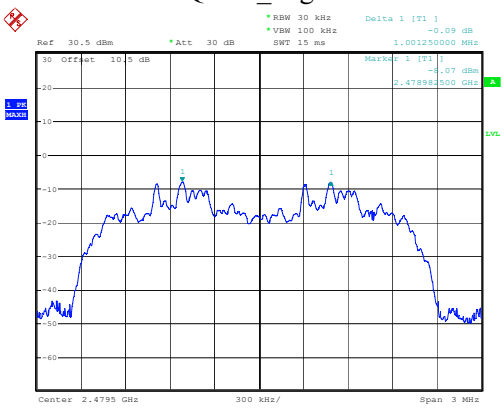
ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 2.SEP.2024 19:41:53

π/4-DQPSK_Middle 1.009MHz



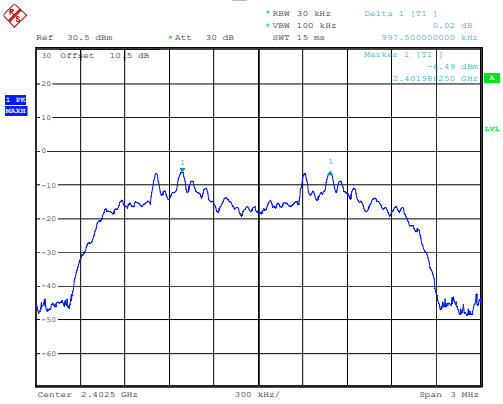
ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 2.SEP.2024 19:43:24

π/4-DQPSK_High 1.001MHz



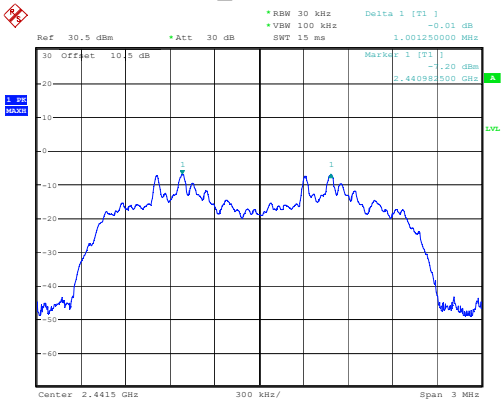
ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 2.SEP.2024 19:44:39

8DPSK_Low 0.998MHz



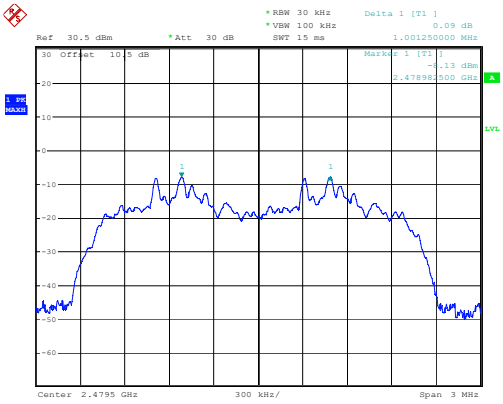
ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 2.SEP.2024 19:46:04

8DPSK_Middle 1.001MHz



ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 2.SEP.2024 19:47:17

8DPSK_High 1.001MHz



ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 2.SEP.2024 19:48:42

Number of Hopping Frequency

Test Information:

Serial No.:	2OFV-1	**Test Date:**	2024/09/02
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Allen Bai	**Test Result:**	Pass

Environmental Conditions:

Temperature: (°C):	26	**Relative Humidity: (%)**	50	**ATM Pressure: (kPa)**	101

BDR

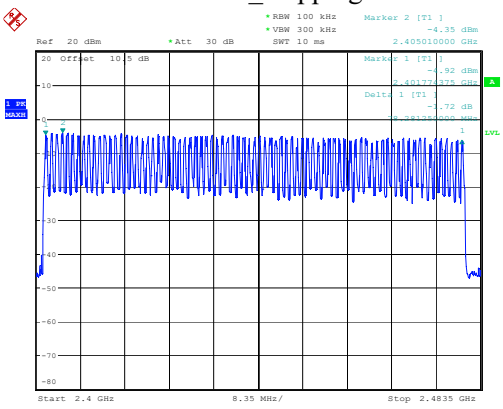
Mode	Value	Limit	Result
GFSK_Hopping	**79**	15	Pass

EDR

Mode	Value	Limit	Result
π/4-DQPSK_Hopping	**79**	15	Pass
8DPSK_Hopping	**79**	15	Pass

BDR

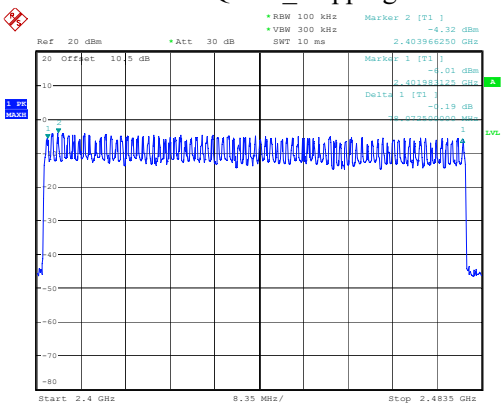
GFSK_Hopping 79



ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 2.SEP.2024 19:51:03

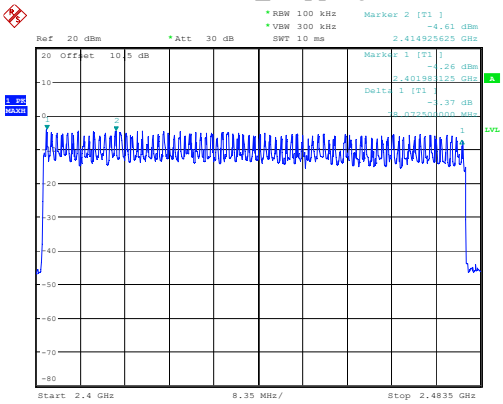
EDR

π/4-DQPSK_Hopping 79



ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 2.SEP.2024 19:53:35

8DPSK_Hopping 79



ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 2.SEP.2024 19:55:45

Time of Occupancy (dwell time)

Test Information:

Serial No.:	2OFV-1	**Test Date:**	2024/09/03
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Allen Bai	**Test Result:**	Pass

Environmental Conditions:

Temperature: (°C):	26	**Relative Humidity: (%)**	50	**ATM Pressure: (kPa)**	101

BDR

Mode	Pulse width (ms)	Dwell time (s)	Limit (s)	Result
GFSK_Hopping_DH1	0.415	0.133	0.400	Pass
GFSK_Hopping_DH3	1.687	0.270	0.400	Pass
GFSK_Hopping_DH5	**2.938**	0.313	0.400	Pass

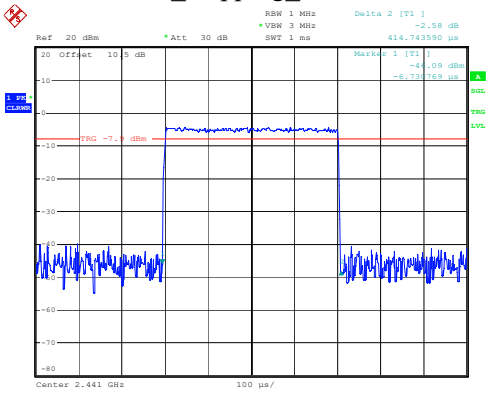
EDR

Mode	Pulse width (ms)	Dwell time (s)	Limit (s)	Result
π/4-DQPSK_Hopping_2DH1	0.426	0.136	0.400	Pass
π/4-DQPSK_Hopping_2DH3	1.686	0.270	0.400	Pass
π/4-DQPSK_Hopping_2DH5	**2.945**	0.314	0.400	Pass
8DPSK_Hopping_3DH1	0.427	0.137	0.400	Pass
8DPSK_Hopping_3DH3	1.695	0.271	0.400	Pass
8DPSK_Hopping_3DH5	**2.937**	0.313	0.400	Pass

Note:
DH1:Dwell time=Pulse width (ms) × (1600/2/79) ×31.6 s
DH3:Dwell time=Pulse width (ms) × (1600/4/79) ×31.6 s
DH5:Dwell time=Pulse width (ms) × (1600/6/79) ×31.6 s
2DH1: Dwell time=Pulse width (ms) × (1600/2/79) ×31.6 s
2DH3: Dwell time=Pulse width (ms) × (1600/4/79) ×31.6 s
2DH5: Dwell time=Pulse width (ms) × (1600/6/79) ×31.6 s
3DH1: Dwell time=Pulse width (ms) × (1600/2/79) ×31.6 s
3DH3: Dwell time=Pulse width (ms) × (1600/4/79) ×31.6 s
3DH5: Dwell time=Pulse width (ms) × (1600/6/79) ×31.6 s

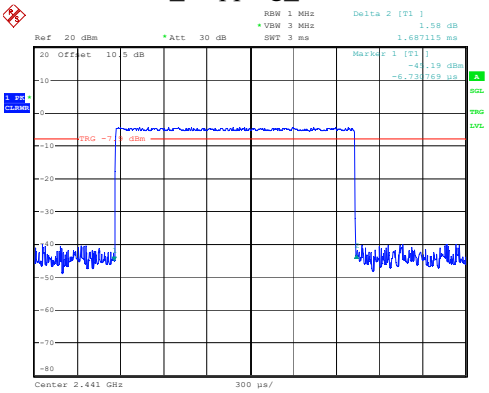
BDR

GFSK_Hopping_DH1 0.415ms



ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 3.SEP.2024 19:47:04

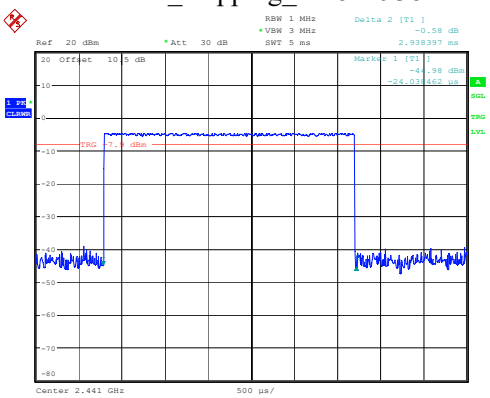
GFSK_Hopping_DH3 1.687ms



ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 3.SEP.2024 19:52:34

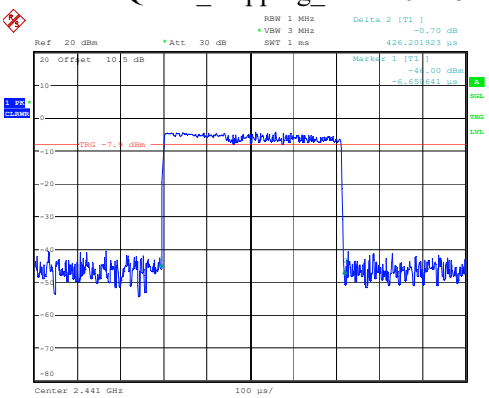
EDR

GFSK_Hopping_DH5 2.938 ms



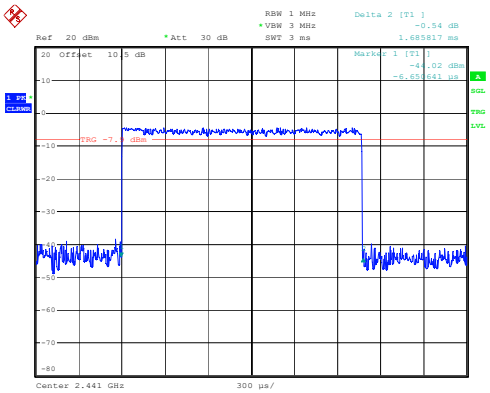
ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 3.SEP.2024 19:56:19

π/4-DQPSK_Hopping_2DH1 0.426ms



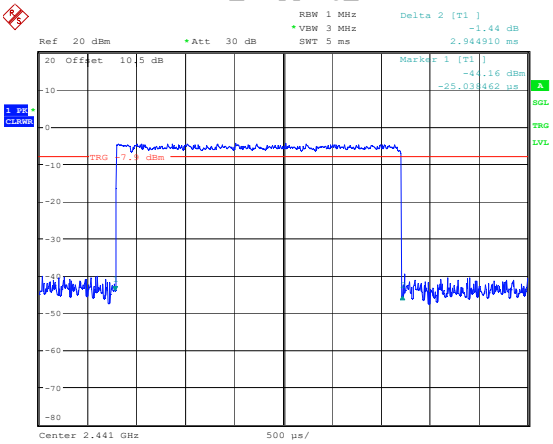
ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 3.SEP.2024 20:00:05

π/4-DQPSK_Hopping_2DH3 1.686 ms



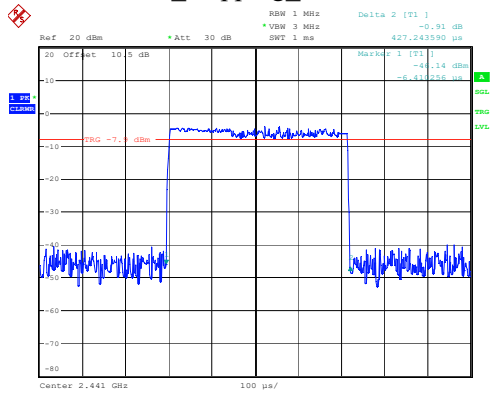
ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 3.SEP.2024 20:02:08

π/4-DQPSK_Hopping_2DH5 2.945 ms



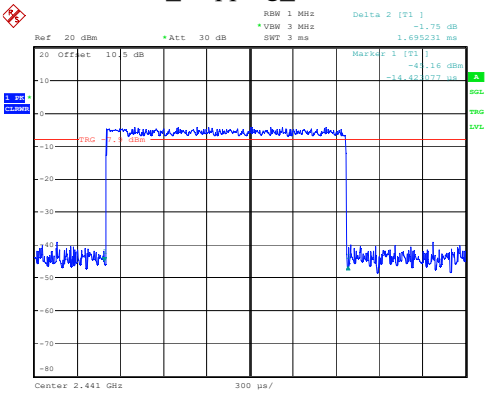
ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 3.SEP.2024 20:05:18

8DPSK_Hopping_3DH1 0.427 ms



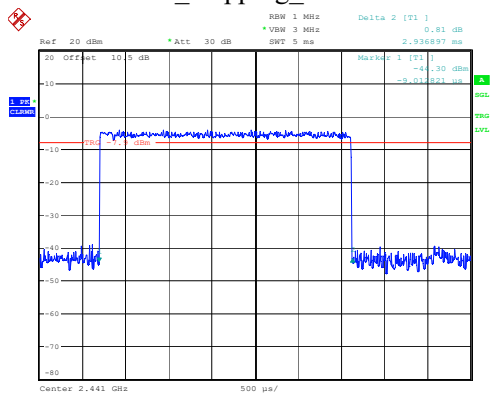
ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 3.SEP.2024 20:08:04

8DPSK_Hopping_3DH3 1.695 ms



ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 3.SEP.2024 20:11:43

8DPSK_Hopping_3DH5 2.937ms



ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 3.SEP.2024 20:13:31

Maximum Conducted Output Power

Test Information:

Serial No.:	2OFV-1	**Test Date:**	2024/09/02
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Allen Bai	**Test Result:**	Pass

Environmental Conditions:

Temperature: (°C):	26	**Relative Humidity: (%)**	50	**ATM Pressure: (kPa)**	101

BDR

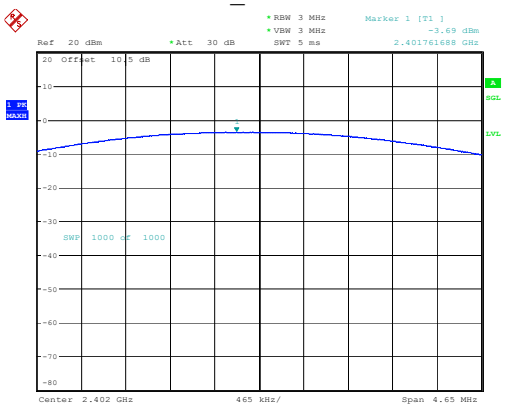
Mode	Value (dBm)	Limit (dBm)	Result
GFSK_Low	**-3.69**	21.00	Pass
GFSK_Middle	-4.46	21.00	Pass
GFSK_High	-5.29	21.00	Pass

EDR

Mode	Value (dBm)	Limit (dBm)	Result
π/4-DQPSK_Low	-3.17	21.00	Pass
π/4-DQPSK_Middle	-3.80	21.00	Pass
π/4-DQPSK_High	-4.72	21.00	Pass
8DPSK_Low	**-2.89**	21.00	Pass
8DPSK_Middle	-3.58	21.00	Pass
8DPSK_High	-4.54	21.00	Pass

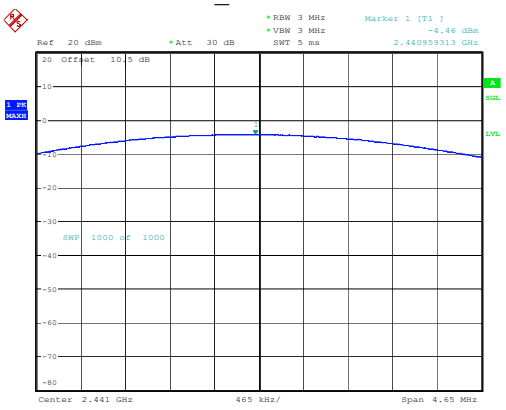
BDR

GFSK_Low -3.69dBm



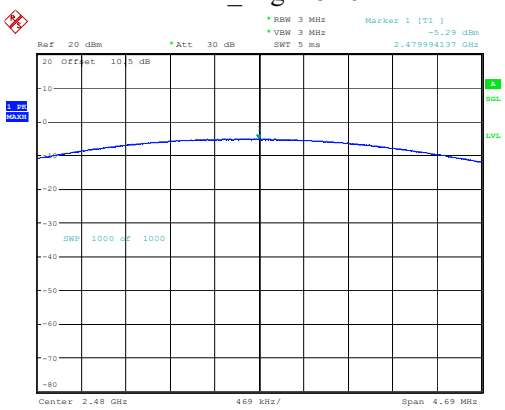
ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 2.SEP.2024 18:48:57

GFSK_Middle -4.46dBm



ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 2.SEP.2024 18:49:42

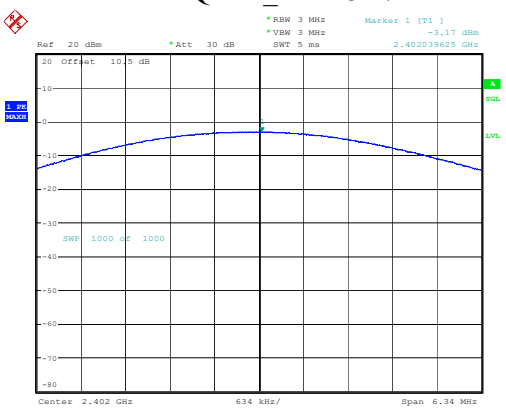
GFSK_High -5.29dBm



ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 2.SEP.2024 18:50:22

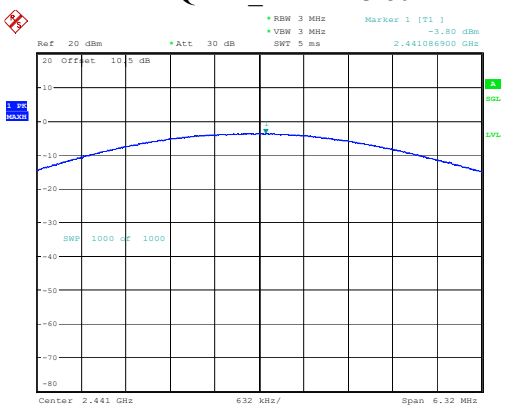
EDR

π/4-DQPSK_Low -3.17dBm



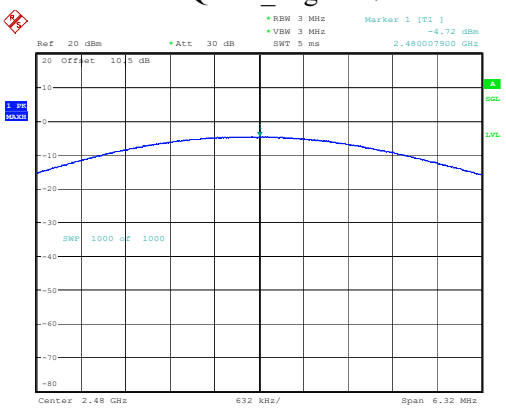
ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 2.SEP.2024 18:51:03

π/4-DQPSK_Middle -3.80dBm



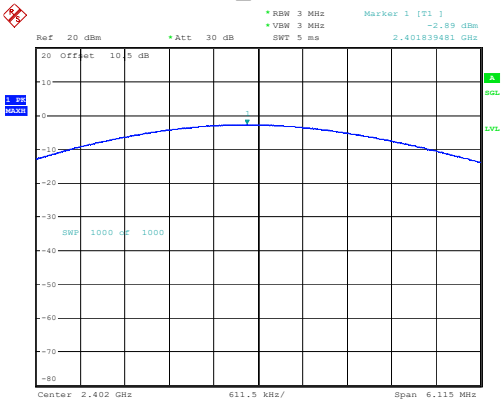
ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 2.SEP.2024 18:51:45

π/4-DQPSK_High -4.72dBm



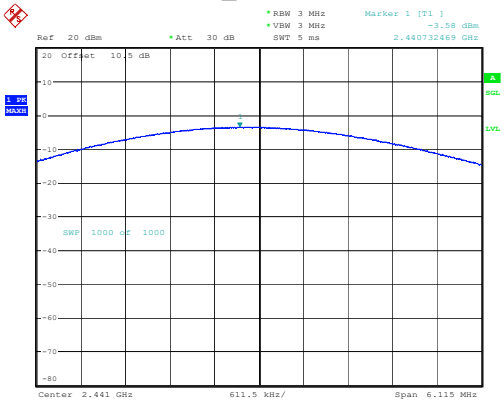
ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 2.SEP.2024 18:52:29

8DPSK_Low -2.89dBm



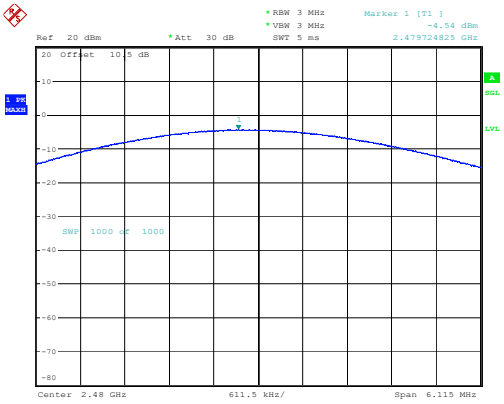
ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 2.SEP.2024 18:53:19

8DPSK_Middle -3.58dBm



ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 2.SEP.2024 18:53:59

8DPSK_High -4.54dBm



ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 2.SEP.2024 18:54:36

100 kHz Bandwidth of Frequency Band Edge

Test Information:

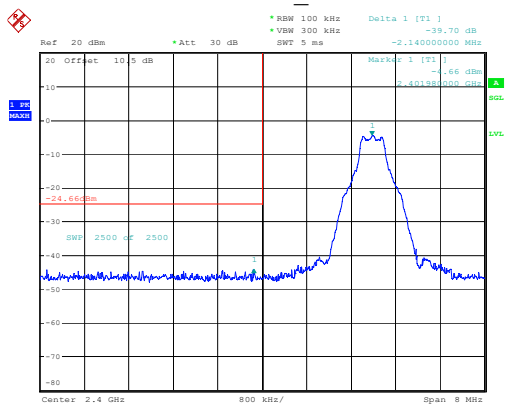
Serial No.:	2OFV-1	**Test Date:**	2024/09/02
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Allen Bai	**Test Result:**	Pass

Environmental Conditions:

Temperature: (°C):	26	**Relative Humidity: (%)**	50	**ATM Pressure: (kPa)**	101

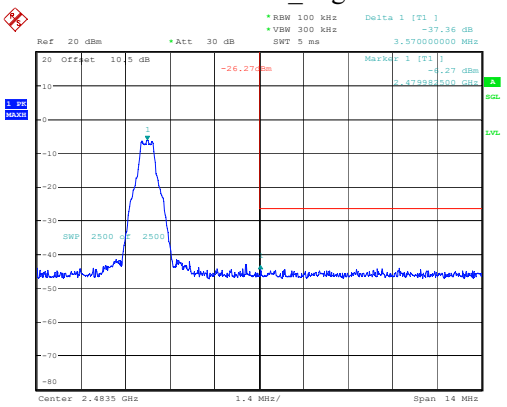
BDR

GFSK_Low



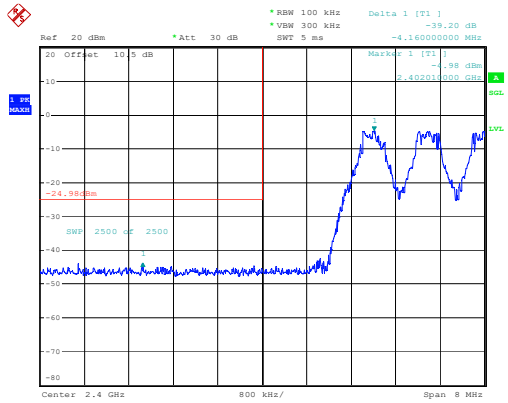
ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 2.SEP.2024 20:20:04

GFSK_High



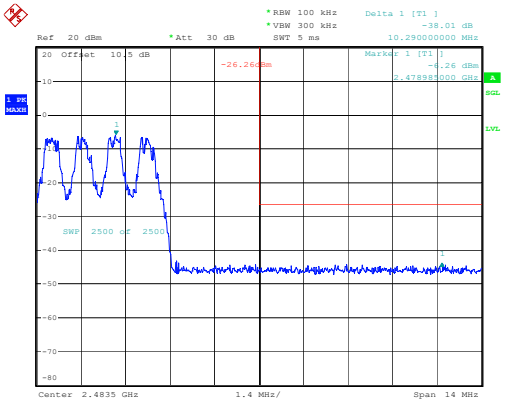
ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 2.SEP.2024 20:15:05

GFSK_Hopping_Lower



ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 2.SEP.2024 20:16:32

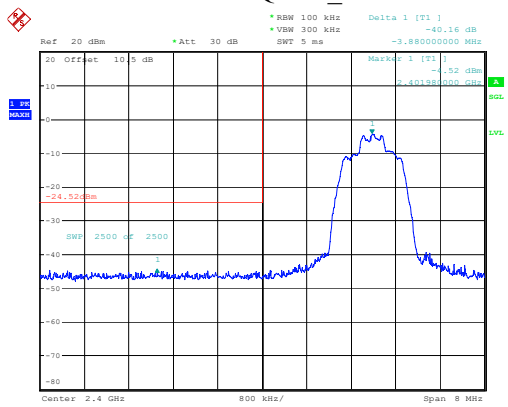
GFSK_Hopping_Upper



ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 2.SEP.2024 20:18:35

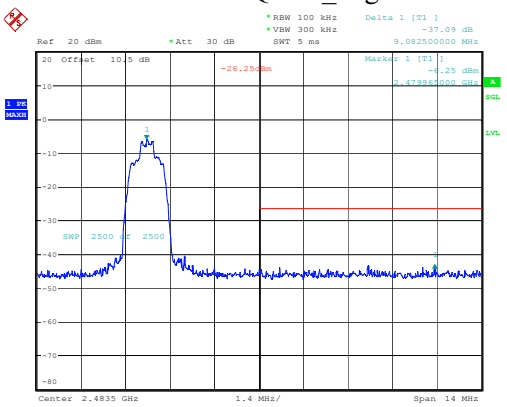
EDR

π/4-DQPSK_Low



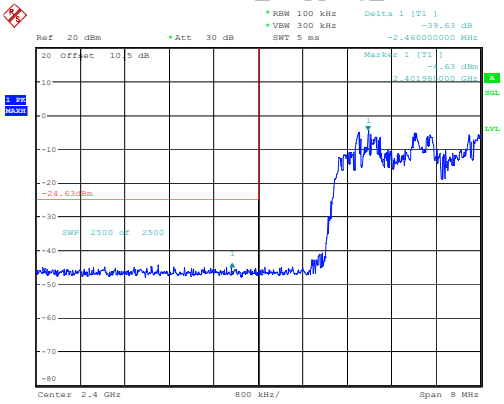
ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 2.SEP.2024 20:27:37

π/4-DQPSK_High



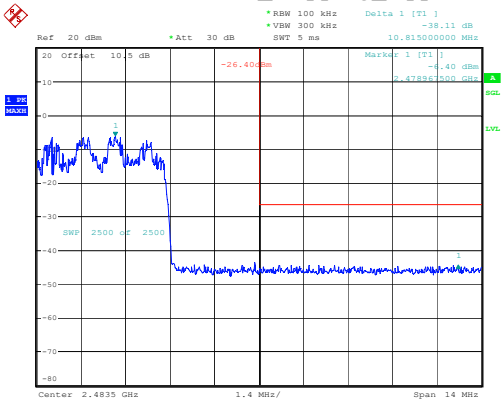
ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 2.SEP.2024 20:22:32

π/4-DQPSK_Hopping_Lower



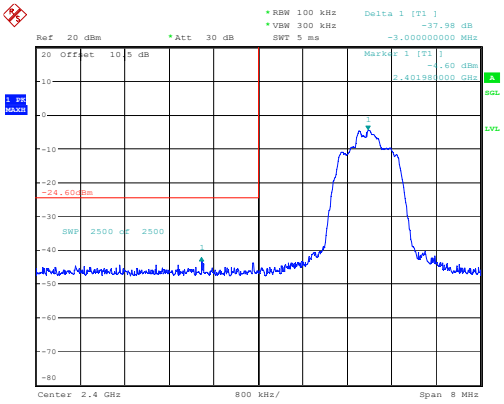
ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 2.SEP.2024 20:24:00

π/4-DQPSK_Hopping_Upper



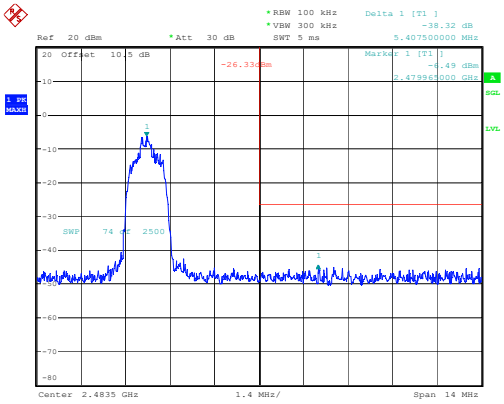
ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 2.SEP.2024 20:26:09

8DPSK_Low



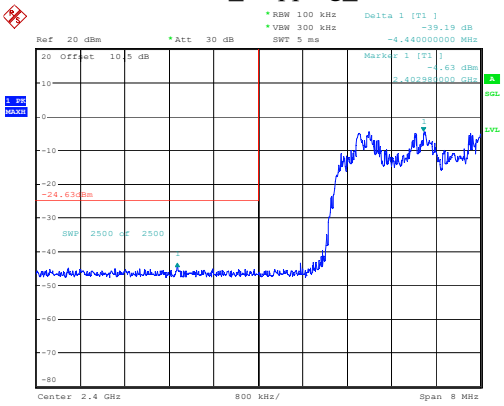
ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 2.SEP.2024 20:12:52

8DPSK_High



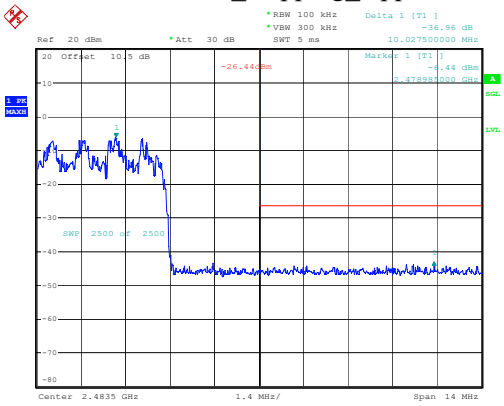
ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 2.SEP.2024 20:07:45

8DPSK_Hopping_Lower



ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 2.SEP.2024 20:09:14

8DPSK_Hopping_Upper



ProjectNo.:2401V85854E-RF Tester:Allen Bai
Date: 2.SEP.2024 20:11:19

RF EXPOSURE EVALUATION

RF EXPOSURE

Applicable Standard

According to FCC §2.1093 and §1.1307(b) (1), systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

According to KDB 447498 D01 General RF Exposure Guidance

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances≤ 50 mm are determined by:
[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] • [√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where
1. f(GHz) is the RF channel transmit frequency in GHz.
2. Power and distance are rounded to the nearest mW and mm before calculation.
3. The result is rounded to one decimal place for comparison.
4. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test Exclusion.

Measurement Result

For worst case:

Mode	Frequency (MHz)	Max tune-up conducted power[#](dBm)	Max tune-up conducted power[#](mW)	Distance (mm)	Calculated value	Threshold (1-g SAR)	SAR Test Exclusion
BT	2402-2480	-2.50	0.56	5	0.2	3	Yes

Result: Compliant

EUT PHOTOGRAPHS

Please refer to the attachment 2401V85854E-RF External photo and 2401V85854E-RF Internal photo.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2401V85854E-RF Test Setup photo.

******* END OF REPORT *******