FCC Test Report

Report No.:	2405V85580ED
Applicant:	SHEN ZHEN XIN SHENG SHANG TECHNOLOGY CO.,LTD
Address:	Room 303, Building 9, No. 54-6, Guanlan Avenue, Xinhe Community, Fucheng Street, Longhua District, Shenzhen City, Guangdong Province, 518110 China
Product Name:	Tablet
Product Model:	N02 Pro
Multiple Models:	Q16, Q17,N02, N04, N05, N06, T702 Pro
Trade Mark:	N/A
FCC ID:	2BDRG-T0012407
Standards:	FCC CFR Title 47 Part 15C (§15.247)
Test Date:	2024-07-17 to 2024-08-13
Test Result:	Complied
Report Date:	2024-08-15

Reviewed by:	Abel chen	**Approved by:**	Jacob Gong
	Abel Chen Project Engineer		Jacob Kong Manager

Prepared by:

World Alliance Testing & Certification (Shenzhen) Co., Ltd

No. 1002, East Block, Laobing Building, Xingye Road 3012, Xixiang street, Bao'an District, Shenzhen, Guangdong, People's Republic of China

NVLAP TESTING NVLAP LAB CODE 600335-0

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5. 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.

Revision History

Version No.	Issued Date	Description
00	*2024-08-15*	*Original*

Contents

1 General Information

1.1 Client Information

Applicant:	SHEN ZHEN XIN SHENG SHANG TECHNOLOGY CO.,LTD
Address:	Room 303, Building 9, No. 54-6, Guanlan Avenue, Xinhe Community, Fucheng Street, Longhua District, Shenzhen City, Guangdong Province, 518110 China
Manufacturer:	SHEN ZHEN XIN SHENG SHANG TECHNOLOGY CO.,LTD
Address:	Room 303, Building 9, No. 54-6, Guanlan Avenue, Xinhe Community, Fucheng Street, Longhua District, Shenzhen City, Guangdong Province, 518110 China

1.2 Product Description of EUT

The EUT is Tablet that contains Classic Bluetooth(BDR/EDR), BLE, 2.4G and 5G WLAN radios, this report covers the full testing of the 2.4G WLAN radio.

Sample Serial Number	2ODG-4for CE test, 2ODG-1 for RE and RF test (assigned by WATC)
Sample Received Date	2024-07-12
Sample Status	Good Condition
Frequency Range	2412MHz - 2462MHz(802.11b, g, n-HT20, ax-HE20) 2422MHz - 2452MHz(802.11n-HT40, ax-HE40)
Maximum Conducted Peak Output Power	23.69dBm
Modulation Technology	DSSS, OFDM, OFDMA
Antenna Gain#	0.53dBi
Spatial Streams#	SISO (1TX, 1RX)
Power Supply	DC 5V from adapter or DC 3.8V from battery
Adapter Information	Model: FX2U-050200U Input: AC100-240V, 50/60Hz, 0.4A Output: DC 5V/2A
Modification	Sample No Modification by the test lab

1.3 Antenna information

15.203 requirement:

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, 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.

Device Antenna information:	

The Wi-Fi antenna is an internal antenna which cannot replace by end-user. Please see product internal photos for details.

1.4 Related Submittal(s)/Grant(s)

FCC Part 15, Subpart C, Equipment Class: DSS, FCC ID: 2BDRG-T0012407

FCC Part 15, Subpart E, Equipment Class: NII, FCC ID: 2BDRG-T0012407

1.5 Measurement Uncertainty

Parameter		Expanded Uncertainty (Confidence of 95%(U = 2Uc(y)))
AC Power Lines Conducted Emissions		±3.14dB
Emissions, Radiated	Below 30MHz	±2.78dB
	Below 1GHz	±4.84dB
	Above 1GHz	±5.44dB
Emissions, Conducted		1.75dB
Conducted Power		0.74dB
Frequency Error		150Hz
Bandwidth		0.34%
Power Spectral Density		0.74dB

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.*

1.6 Laboratory Location

World Alliance Testing & Certification (Shenzhen) Co., Ltd

No. 1002, East Block, Laobing Building, Xingye Road 3012, Xixiang street, Bao'an District, Shenzhen, Guangdong, People's Republic of China

Tel: +86-755-29691511, Email: qa@watc.com.cn

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. : 463912, the FCC Designation No. : CN5040.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0160.

1.7 Test Methodology

FCC CFR 47 Part 2

FCC CFR 47 Part 15

KDB 558074 D01 DTS Meas Guidance v05r02

ANSI C63.10-2013

2 Description of Measurement

2.1 Test Configuration

Operating channels:					
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
1	2412	6	2437	11	2462
2	2417	7	2442	/	/
3	2422	8	2447	/	/
4	2427	9	2452	/	/
5	2432	10	2457	/	/
According to ANSI C63.10-2013 chapter 5.6.1 Table 11 requirement, select lowest channel, middle channel, and highest channel in the frequency range in which device operates for testing. The detailed frequency points are as follows:					
802.11b, 802.11g, 802.11n-HT20, 802.11 ax-HE20					
Lowest channel		Middle channel		Highest channel	
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
1	2412	6	2437	11	2462
802.11n-HT40, 802.11 ax-HE40					
Lowest channel		Middle channel		Highest channel	
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
3	2422	6	2437	9	2452

Test Mode:				
Transmitting mode:	Keep the EUT in continuous transmitting with modulation			
Exercise software#:	Engineer mode			
Mode	**Worst-case Data rate**	**Power Level Setting#**		
		Low Channel	**Middle Channel**	**High Channel**
802.11b	1Mbps	12	12	12
802.11g	6Mbps	12	12	12
802.11n-HT20	MCS0	10	10	10
802.11n-HT40	MCS0	7	7	7
802.11ax-HE20	MCS0	9	9	9
802.11ax-HE40	MCS0	6.5	6.5	6.5
The exercise software and the maximum power setting that provided by manufacturer.				

Worst-Case Configuration:
For radiated emissions, EUT was investigated in three orthogonal orientation, the worst-case orientation was recorded in report For AC power line conducted emission and radiated emission 9kHz-1GHz and above 18GHz were performed with the EUT transmits at the channel with highest output power as worst-case scenario. For 802.11ax mode, the device only support full RU mode.

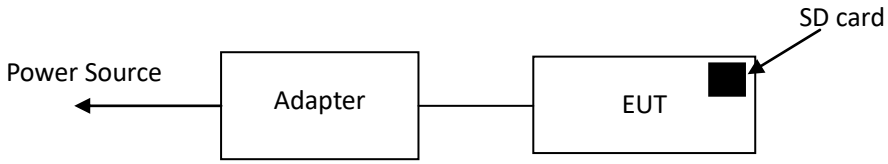
2.2 Test Auxiliary Equipment

Manufacturer	Description	Model	Serial Number
HIKVISION	SD card	32GB	unknown

2.3 Interconnecting Cables

Manufacturer	Description	Length(m)	From	To
Unknown	USB Cable	1.0	Adapter	EUT

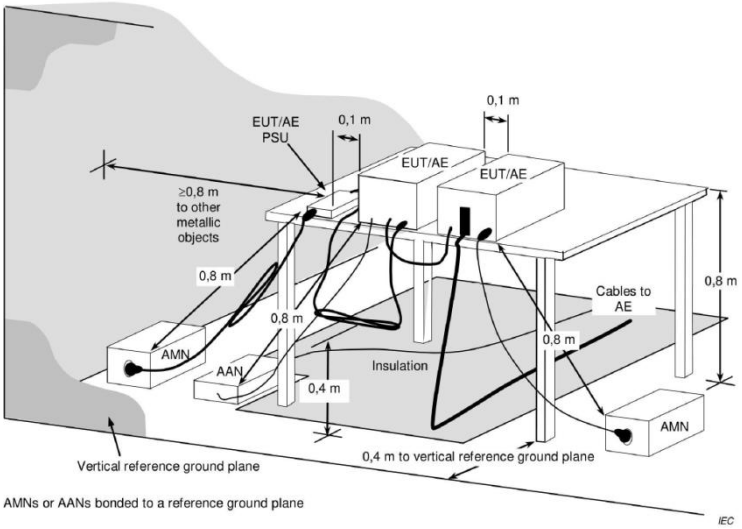
2.4 Block Diagram of Connection between EUT and AE



Note: for reference only, the actual connection setup used for testing please refer to the test photos.

2.5 Test Setup

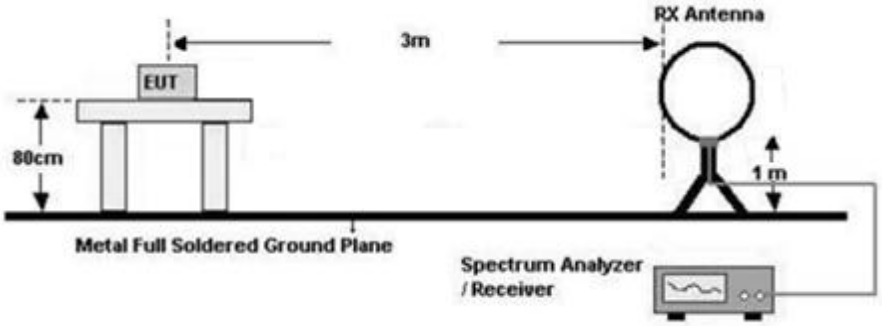
1) Conducted emission measurement:



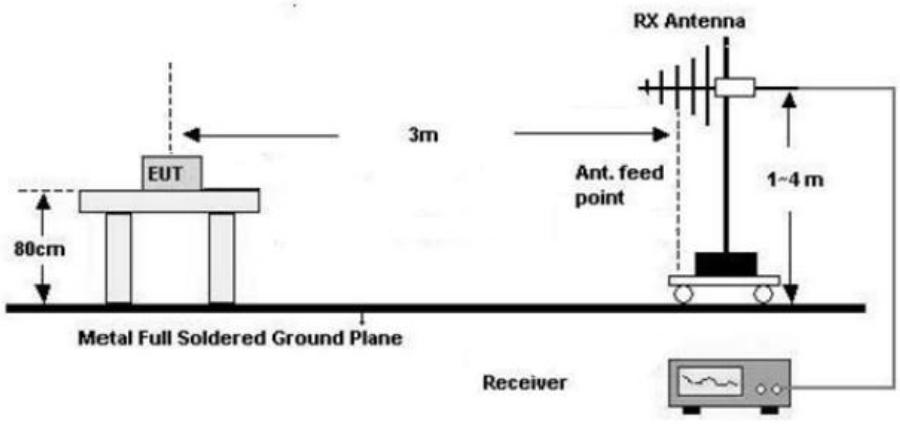
Note: The 0.8 m distance specified between EUT/AE/PSU and AMN/AAN, is applicable only to the EUT being measured. If the device is AE then it shall be >0.8 m.

2) Radiated emission measurement:

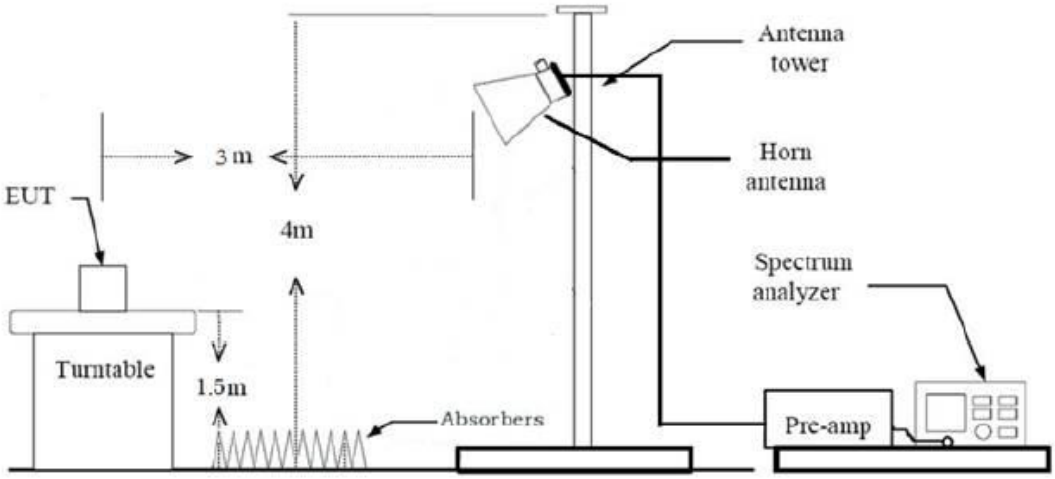
Below 30MHz (3m SAC)



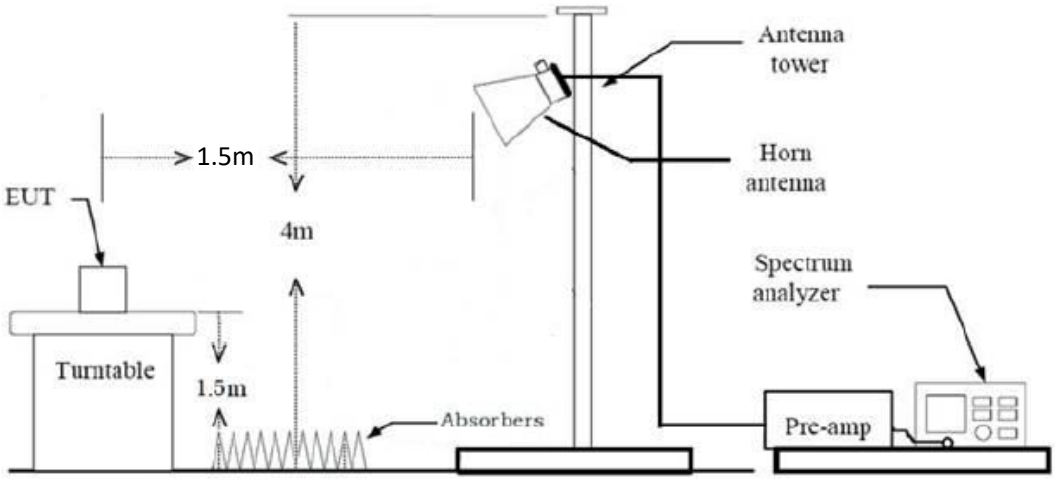
30MHz-1GHz (3m SAC)



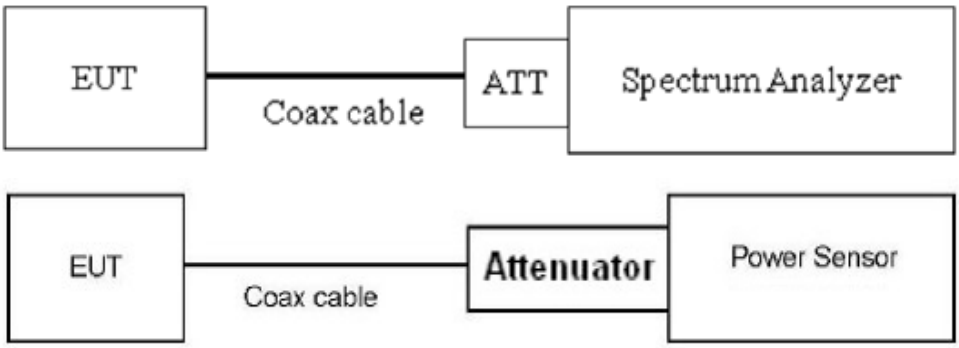
1GHz-18GHz(3m FAC)



Above 18GHz (3m FAC)



3) RF Conducted Test



2.6 Test Procedure

Conducted emission:

1. The E.U.T is placed on a non-conducting table 40cm from the vertical ground plane and 80cm above the horizontal ground plane (Please refer to the block diagram of the test setup and photographs).
2. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.
3. The receiver is set to 9kHz resolution bandwidth, final data was recorded in the Quasi-peak and average detection mode.
4. Line conducted data is recorded for both Line and Neutral

Radiated Emission Procedure:

a) For below 30MHz

1. All measurements were made at a test distance of 3 m. The measured data was extrapolated from the test distance (3m) to the specification distance (300 m from 9-490 kHz and 30 m from 490 kHz- 30 MHz) to clearly show the relative levels of fundamental and spurious emissions and demonstrate compliance with the requirement that the level of any spurious emissions be below the level of the intentionally transmitted signal. The extrapolation factor for the limits were 40*Log (test distance / specification distance).
2. Loop antenna use, investigation was done on the three antenna orientations (parallel, perpendicular, gound-parallel)
3. The RBW/VBW of receiver is set to 300Hz/1kHz for 9kHz to 150kHz range, to 10kHz/30kHz for 150kHz to 30MHz range for scan Peak emission, 200Hz/9kHz IF BW was used for final measurement in the Quasi-peak or average detection mode for frequency range 9~150kHz/150kHz~30MHz respectively.
4. If the Peak emission complies with the QP limit, then perform final measurement is optional.

b) For 30MHz-1GHz:

1. The EUT was placed on the tabletop of a rotating table 0.8 m the ground at a 3 m semi anechoic chamber. The measurement distance from the EUT to the receiving antenna is 3 m.
2. EUT works in each mode of operation that needs to be tested. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations.
3. The RBW/VBW of receiver is set to 100kHz/300kHz for scan Peak emission, 120kHz IF BW was used for final measurement in the Quasi-peak detection mode.
4. If the Peak emission complies with the QP limit, then perform final measurement is optional.

c) For above 1GHz:

1. The EUT was placed on the tabletop of a rotating table 1.5 m the ground at a 3 m fully anechoic room. The measurement distance from the EUT to the receiving antenna is 3 m (1-18GHz) and 1.5 m (above 18GHz).
2. EUT works in each mode of operation that needs to be tested，and having the EUT continuously

working. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations.

3. Open the test software to control the test antenna and test turntable. Perform the test, save the test results, and export the test data.
4. Base on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.
5. The RBW/VBW of spectrum analyzer is set to 1MHz/3MHz for scan Peak emission, for measured average emission, reduce the VBW to 10Hz(for duty cycle≥98%), or ≥1/T(for duty cycle<98%). T is minimum transmission duration.
6. If the Peak emission complies with the Average limit, then perform average measurement is optional.

RF Conducted Test:

1. The antenna port of EUT was connected to the RF port of the test equipment (Power Meter or Spectrum analyzer) through Attenuator and RF cable.
2. The cable assembly insertion loss of 6.5dB (including 6.0dB Attenuator and 0.5dB cable) was entered as an offset in the power meter. Note: Actual cable loss was unavailable at the time of testing, therefore a loss of 0.5dB was assumed as worst case. This was later verified to be true by laboratory. (if the RF cable provided by client, the cable loss declared by client)
3. The EUT is keeping in continuous transmission mode and tested in all modulation modes.

2.7 Measurement Method

Description of Test	Measurement Method
AC Line Conducted Emissions	ANSI C63.10-2013 Section 6.2
Maximum Conducted Output Power	ANSI C63.10-2013 Section 11.9.1.2 PKPM1 Peak power meter method or ANSI C63.10-2013 Section 11.9.2.3.2 Method AVGPM-G
Power Spectral Density	ANSI C63.10-2013 Section 11.10.2 Method PKPSD (peak PSD)
6 dB Emission Bandwidth	ANSI C63.10-2013 Section 11.8.1
99% Occupied Bandwidth	ANSI C63.10-2013 Section 6.9.3
100kHz Bandwidth of Frequency Band Edge	ANSI C63.10-2013 Section 6.10
Radiated emission	ANSI C63.10-2013 Section 11.11&11.12
Duty Cycle	ANSI C63.10-2013 Section 11.6

2.8 Measurement Equipment

Manufacturer	Description	Model	Management No.	Calibration Date	Calibration Due Date
AC Line Conducted Emission Test					
ROHDE& SCHWARZ	EMI TEST RECEIVER	ESR	101817	2024/6/4	2025/6/3
R&S	LISN	ENV216	101748	2024/6/4	2025/6/3
N/A	Coaxial Cable	NO.12	N/A	2024/6/4	2025/6/3
Farad	Test Software	EZ-EMC	Ver. EMEC-3A1	/	/
Radiated Emission Test (below 1GHz)					
R&S	EMI test receiver	ESR3	102758	2024/6/4	2025/6/3
SONOMA INSTRUMENT	Low frequency amplifier	310	186014	2024/6/4	2025/6/3
BACL	Loop Antenna	1313-1A	4010611	2024/2/7	2027/2/6
SCHWARZBECK	Log - periodic wideband antenna	VULB 9163	9163-872	2023/7/7	2026/7/6
Audix	Test Software	E3	191218 V9	/	/
N/A	Coaxial Cable	NO.14	N/A	2024/6/4	2025/6/3
N/A	Coaxial Cable	NO.16	N/A	2024/6/4	2025/6/3
Radiated Emission Test (above 1GHz)					
ROHDE& SCHWARZ	SPECTRUM ANALYZER	FSV40-N	101608	2024/6/4	2025/6/3
COM-POWER	preamplifier	PAM-118A	18040152	2024/6/4	2025/6/3
COM-POWER	Amplifier	PAM-840A	461306	2023/8/8	2024/8/7
Astro Antenna Ltd	Horn antenna	AHA-118S	3015	2023/7/6	2026/7/5
Ducommun technologies	Horn Antenna	ARH-4223-02	1007726-03	2023/7/10	2026/7/9
Oulitong	Band Reject Filter	OBSF-2400-248 3.5-50N	OE02103119	2024/6/4	2025/6/3
N/A	Coaxial Cable	NO.9	N/A	2024/6/4	2025/6/3
N/A	Coaxial Cable	NO.13	N/A	2023/8/8	2024/8/7
N/A	Coaxial Cable	NO.15	N/A	2024/6/4	2025/6/3
N/A	Coaxial Cable	NO.17	N/A	2024/6/4	2025/6/3
Audix	Test Software	E3	191218 V9	/	/
RF Conducted Test					
ROHDE& SCHWARZ	SPECTRUM ANALYZER	FSU-26	200680/026	2024/6/4	2025/6/3
ANRITSU	USB Power Sensor	MA24418A	12620	2024/6/4	2025/6/3
narda	6dB attenuator	603-06-1	N/A	2024/6/4	2025/6/3

Note: All equipment is calibrated with valid calibrations. Each measurement data is traceable to the national or International standards.

3 Test Results

3.1 Test Summary

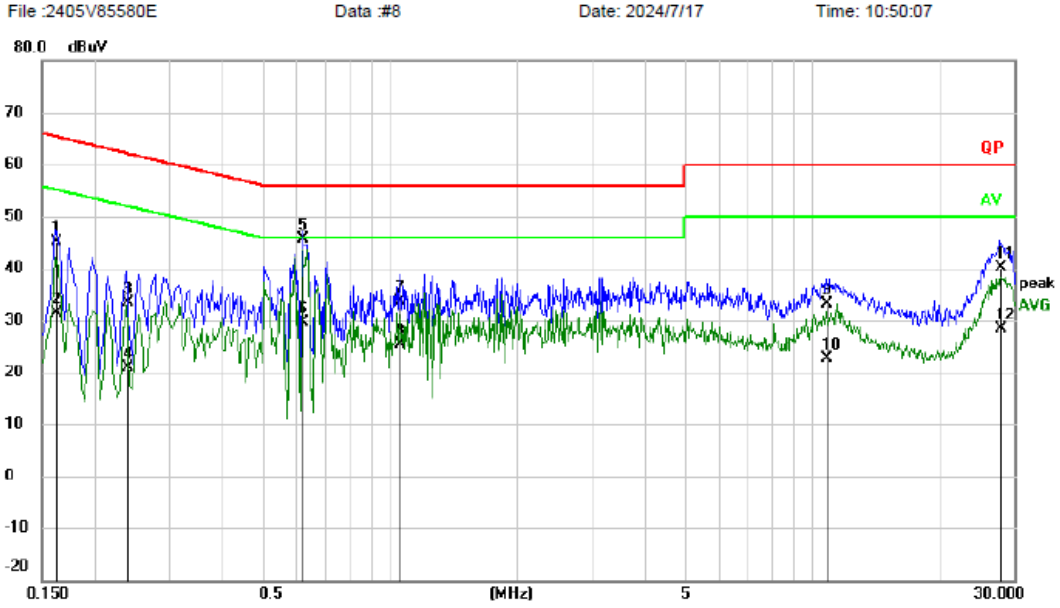
FCC Rules	Description of Test	Result
§15.203	Antenna Requirement	Compliance
§15.207 (a)	AC Line Conducted Emissions	Compliance
§15.247(b)(3)	Maximum Conducted Output Power	Compliance
§15.247(e)	Power Spectral Density	Compliance
§15.247 (a)(2)	6 dB Emission Bandwidth	Compliance
-	99% Occupied Bandwidth	Report only
§15.247(d)	100kHz Bandwidth of Frequency Band Edge	Compliance
§15.205, §15.209, §15.247(d)	Radiated emission	Compliance
-	Duty Cycle	Report only

3.2 Limit

Test items	Limit
AC Line Conducted Emissions	See details §15.207 (a)
Conducted Output Power	For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt.
6dB Emission Bandwidth	The minimum 6 dB bandwidth shall be at least 500 kHz.
Power Spectral Density	For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.
Spurious Emissions, 100kHz Bandwidth of Frequency Band Edge	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)).

3.3 AC Line Conducted Emissions Test Data

Test Date:	2024-07-17	Test By:	Lirou Li
Environment condition:	Temperature: 23.9°C; Relative Humidity:57%; ATM Pressure: 101.4kPa		



Limit: QP
Mode:transmitting
Note: WIFI 2.4G

Phase: L1
Power: DC 5V

Temperature: 23.9 ℃
Humidity: 57 %
Air Pressure: 1014 hpa

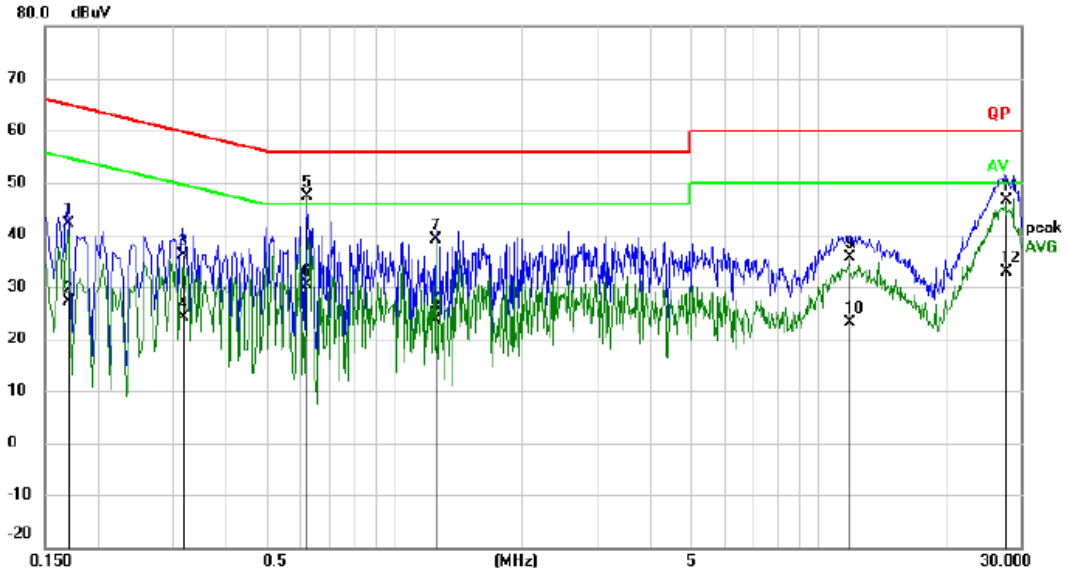
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over Limit		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1620	34.41	10.76	45.17	65.36	-20.19	QP	
2		0.1620	20.56	10.76	31.32	55.36	-24.04	AVG	
3		0.2380	22.78	10.65	33.43	62.17	-28.74	QP	
4		0.2380	10.16	10.65	20.81	52.17	-31.36	AVG	
5	*	0.6220	34.74	10.84	45.58	56.00	-10.42	QP	
6		0.6220	18.82	10.84	29.66	46.00	-16.34	AVG	
7		1.0540	22.59	11.03	33.62	56.00	-22.38	QP	
8		1.0540	14.40	11.03	25.43	46.00	-20.57	AVG	
9		10.7500	22.80	10.43	33.23	60.00	-26.77	QP	
10		10.7500	12.25	10.43	22.68	50.00	-27.32	AVG	
11		27.7660	29.68	10.42	40.10	60.00	-19.90	QP	
12		27.7660	18.00	10.42	28.42	50.00	-21.58	AVG	

*:Maximum data x:Over limit !:over margin

Engineer Signature: Lirou

Conducted Emission Measurement

File :2405V85580E Data :#7 Date: 2024/7/17 Time: 10:37:23



Limit: QP
Mode:transmitting
Note: WIFI 2.4G

Phase: N
Power: DC 5V

Temperature: 23.9 ℃
Humidity: 57 %
Air Pressure: 1014 hpa

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over Limit		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1700	31.50	10.53	42.03	64.96	-22.93	QP	
2		0.1700	16.61	10.53	27.14	54.96	-27.82	AVG	
3		0.3180	25.61	10.56	36.17	59.76	-23.59	QP	
4		0.3180	13.66	10.56	24.22	49.76	-25.54	AVG	
5	*	0.6220	36.83	10.62	47.45	56.00	-8.55	QP	
6		0.6220	19.66	10.62	30.28	46.00	-15.72	AVG	
7		1.2500	28.42	10.67	39.09	56.00	-16.91	QP	
8		1.2500	12.91	10.67	23.58	46.00	-22.42	AVG	
9		11.8060	24.75	10.78	35.53	60.00	-24.47	QP	
10		11.8060	12.46	10.78	23.24	50.00	-26.76	AVG	
11		27.4300	35.80	10.76	46.56	60.00	-13.44	QP	
12		27.4300	22.14	10.76	32.90	50.00	-17.10	AVG	

*:Maximum data x:Over limit !:over margin

Engineer Signature: Lirou

Remark:

Measurement (dBuV)= Reading Level (dBuV) + Correct Factor(dB)

Correct Factor (dB)= LISN Voltage Division Factor (dB)+ Cable loss(dB)

Over Limit = Measurement – Limit

3.4 Radiated emission Test Data

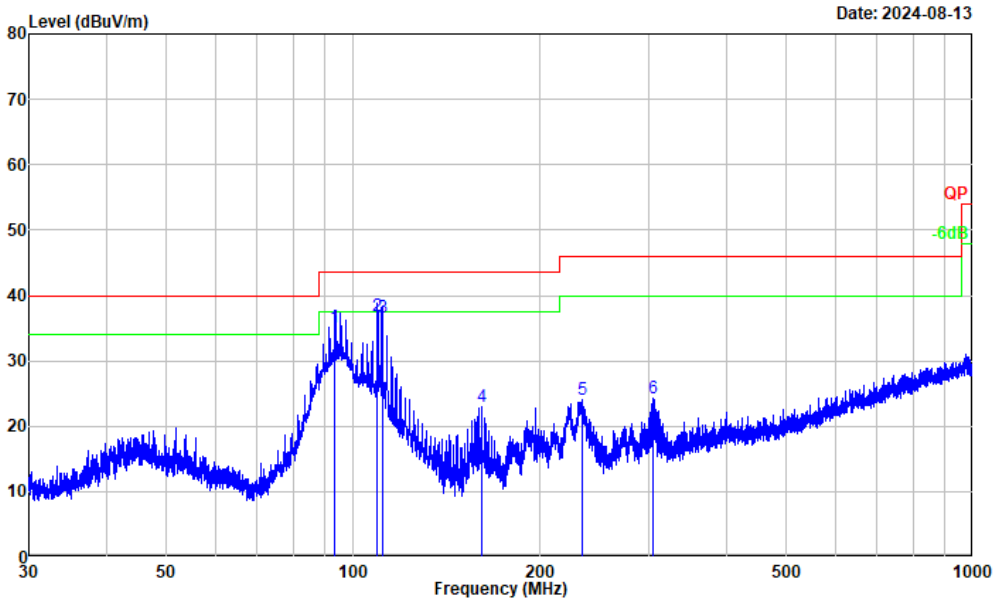
9 kHz-30MHz:

Test Date:	2024-08-13	**Test By:**	Bard Huang
Environment condition:	Temperature: 23.1°C; Relative Humidity:70%; ATM Pressure: 100.0kPa		

For radiated emissions below 30MHz, there were no emissions found within 20dB of limit.

30MHz-1GHz:

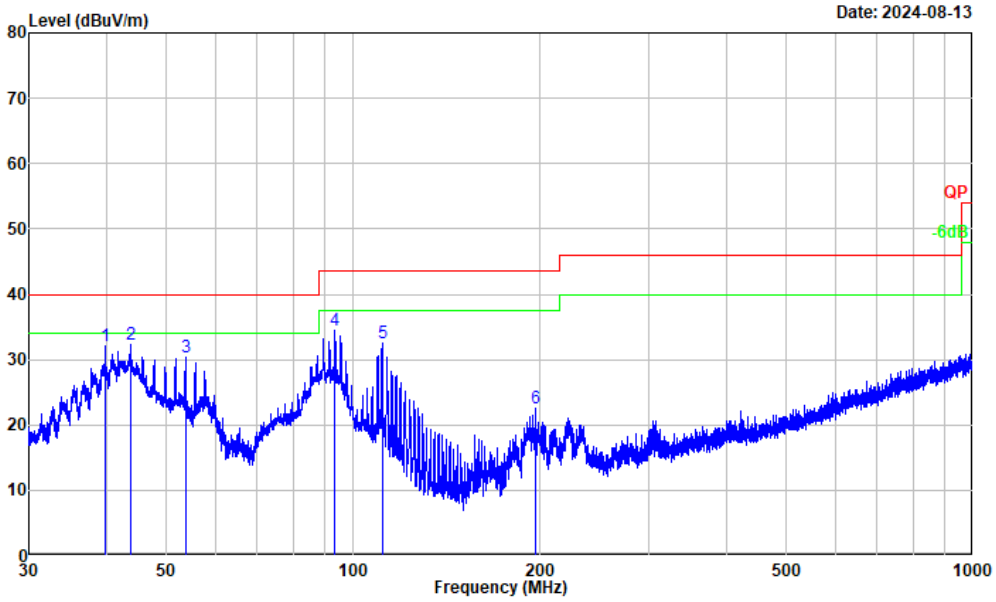
Test Date:	2024-08-13	Test By:	Bard Huang
Environment condition:	Temperature: 23.1°C; Relative Humidity:70%; ATM Pressure: 100.0kPa		



Project No. : 2405V85580E
Test Mode : Transmitting
Test Voltage : DC 5V
Environment : 23.1℃/70%R.H./100.0kPa
Tested by : Bard Huang
Polarization : horizontal
Remark : 2.4GWifi

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	93.372	49.80	-14.71	35.09	43.50	-8.41	QP
2	109.525	50.50	-13.62	36.88	43.50	-6.62	QP
3	111.561	50.50	-13.90	36.60	43.50	-6.90	QP
4	161.367	39.42	-16.37	23.05	43.50	-20.45	Peak
5	234.023	36.10	-12.14	23.96	46.00	-22.04	Peak
6	304.698	34.64	-10.29	24.35	46.00	-21.65	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain



Project No. : 2405V85580E
Test Mode : Transmitting
Test Voltage : DC 5V
Environment : 23.1℃/70%R.H./100.0kPa
Tested by : Bard Huang
Polarization : vertical
Remark : 2.4GWifi

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	39.803	45.54	-13.56	31.98	40.00	-8.02	Peak
2	43.737	44.81	-12.52	32.29	40.00	-7.71	Peak
3	53.697	42.75	-12.33	30.42	40.00	-9.58	Peak
4	93.577	49.21	-14.69	34.52	43.50	-8.98	Peak
5	111.561	46.51	-13.90	32.61	43.50	-10.89	Peak
6	197.333	35.82	-13.28	22.54	43.50	-20.96	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain

Remark:

Result = Reading + Factor

Factor = Antenna factor + Cable loss – Amplifier gain

Over Limit = Result – Limit

Above 1GHz:

Test Date:	2024-07-26	Test By:	Bard Huang
Environment condition:	Temperature: 21.6°C; Relative Humidity:65%; ATM Pressure: 99.8kPa		

Frequency (MHz)	Reading level (dBμV)	Polar	Corrected Factor (dB/m)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
802.11b							
Low Channel							
2390.000	37.98	horizontal	7.18	45.16	54.00	-8.84	Average
2390.000	49.40	horizontal	7.18	56.58	74.00	-17.42	Peak
2390.000	37.96	vertical	7.18	45.14	54.00	-8.86	Average
2390.000	49.14	vertical	7.18	56.32	74.00	-17.68	Peak
4804.000	47.73	horizontal	-0.21	47.52	74.00	-26.48	Peak
4804.000	47.92	vertical	-0.21	47.71	74.00	-26.29	Peak
Middle Channel							
4874.000	49.72	horizontal	0.05	49.77	74.00	-24.23	Peak
4874.000	47.48	vertical	0.05	47.53	74.00	-26.47	Peak
High Channel							
2483.500	38.72	horizontal	7.25	45.97	54.00	-8.03	Average
2483.500	48.38	horizontal	7.25	55.63	74.00	-18.37	Peak
2483.500	38.36	vertical	7.25	45.61	54.00	-8.39	Average
2483.500	48.11	vertical	7.25	55.36	74.00	-18.64	Peak
4924.000	51.08	horizontal	0.23	51.31	74.00	-22.69	Peak
4924.000	50.18	vertical	0.23	50.41	74.00	-23.59	Peak
802.11g							
Low Channel							
2388.039	42.69	horizontal	7.18	49.87	54.00	-4.13	Average
2388.039	62.24	horizontal	7.18	69.42	74.00	-4.58	Peak
2389.180	43.23	vertical	7.18	50.41	54.00	-3.59	Average
2389.180	62.36	vertical	7.18	69.54	74.00	-4.46	Peak
4824.000	47.71	horizontal	-0.15	47.56	74.00	-26.44	Peak
4824.000	47.53	vertical	-0.15	47.38	74.00	-26.62	Peak
Middle Channel							
4874.000	47.03	horizontal	0.05	47.08	74.00	-26.92	Peak
4874.000	47.90	vertical	0.05	47.95	74.00	-26.05	Peak
High Channel							
2484.942	41.73	horizontal	7.26	48.99	54.00	-5.01	Average
2484.942	62.38	horizontal	7.26	69.64	74.00	-4.36	Peak

2484.342	42.40	vertical	7.25	49.65	54.00	-4.35	Average
2484.342	61.60	vertical	7.25	68.85	74.00	-5.15	Peak
4924.000	51.30	horizontal	0.23	51.53	74.00	-22.47	Peak
4924.000	50.20	vertical	0.23	50.43	74.00	-23.57	Peak
802.11n20							
Low Channel							
2388.759	41.83	horizontal	7.18	49.01	54.00	-4.99	Average
2388.759	62.52	horizontal	7.18	69.70	74.00	-4.30	Peak
2389.420	42.33	vertical	7.18	49.51	54.00	-4.49	Average
2389.420	61.87	vertical	7.18	69.05	74.00	-4.95	Peak
4824.000	47.53	horizontal	-0.15	47.38	74.00	-26.62	Peak
4824.000	46.81	vertical	-0.15	46.66	74.00	-27.34	Peak
Middle Channel							
4874.000	47.97	horizontal	0.05	48.02	74.00	-25.98	Peak
4874.000	47.05	vertical	0.05	47.10	74.00	-26.90	Peak
High Channel							
2483.692	40.29	horizontal	7.25	47.54	54.00	-6.46	Average
2483.692	59.82	horizontal	7.25	67.07	74.00	-6.93	Peak
2484.192	40.86	vertical	7.25	48.11	54.00	-5.89	Average
2484.192	58.49	vertical	7.25	65.74	74.00	-8.26	Peak
4924.000	49.58	horizontal	0.23	49.81	74.00	-24.19	Peak
4924.000	48.68	vertical	0.23	48.91	74.00	-25.09	Peak
802.11n40							
Low Channel							
2389.910	41.55	horizontal	7.18	48.73	54.00	-5.27	Average
2389.910	63.28	horizontal	7.18	70.46	74.00	-3.54	Peak
2388.649	41.34	vertical	7.18	48.52	54.00	-5.48	Average
2388.649	59.18	vertical	7.18	66.36	74.00	-7.64	Peak
4844.000	47.85	horizontal	-0.09	47.76	74.00	-26.24	Peak
4844.000	47.58	vertical	-0.09	47.49	74.00	-26.51	Peak
Middle Channel							
4874.000	47.27	horizontal	0.05	47.32	74.00	-26.68	Peak
4874.000	47.64	vertical	0.05	47.69	74.00	-26.31	Peak
High Channel							
2485.223	38.69	horizontal	7.26	45.95	54.00	-8.05	Average
2485.223	61.31	horizontal	7.26	68.57	74.00	-5.43	Peak
2484.557	39.96	vertical	7.26	47.22	54.00	-6.78	Average
2484.557	58.82	vertical	7.26	66.08	74.00	-7.92	Peak

4904.000	48.59	horizontal	0.19	48.78	74.00	-25.22	Peak
4904.000	48.76	vertical	0.19	48.95	74.00	-25.05	Peak
802.11ax20							
Low Channel							
2389.540	42.27	horizontal	7.18	49.45	54.00	-4.55	Average
2389.540	62.16	horizontal	7.18	69.34	74.00	-4.66	Peak
2389.240	42.51	vertical	7.18	49.69	54.00	-4.31	Average
2389.240	59.40	vertical	7.18	66.58	74.00	-7.42	Peak
4824.000	47.11	horizontal	-0.15	46.96	74.00	-27.04	Peak
4824.000	47.76	vertical	-0.15	47.61	74.00	-26.39	Peak
Middle Channel							
4874.000	47.25	horizontal	0.05	47.30	74.00	-26.70	Peak
4874.000	47.30	vertical	0.05	47.35	74.00	-26.65	Peak
High Channel							
2485.343	41.49	horizontal	7.26	48.75	54.00	-5.25	Average
2485.343	59.13	horizontal	7.26	66.39	74.00	-7.61	Peak
2483.642	42.03	vertical	7.25	49.28	54.00	-4.72	Average
2483.642	58.57	vertical	7.25	65.82	74.00	-8.18	Peak
4924.000	49.15	horizontal	0.23	49.38	74.00	-24.62	Peak
4924.000	47.89	vertical	0.23	48.12	74.00	-25.88	Peak
802.11ax40							
Low Channel							
2388.719	41.39	horizontal	7.18	48.57	54.00	-5.43	Average
2388.719	57.67	horizontal	7.18	64.85	74.00	-9.15	Peak
2389.420	41.85	vertical	7.18	49.03	54.00	-4.97	Average
2389.420	58.55	vertical	7.18	65.73	74.00	-8.27	Peak
4844.000	47.80	horizontal	-0.09	47.71	74.00	-26.29	Peak
4844.000	48.61	vertical	-0.09	48.52	74.00	-25.48	Peak
Middle Channel							
4874.000	47.96	horizontal	0.05	48.01	74.00	-25.99	Peak
4874.000	47.02	vertical	0.05	47.07	74.00	-26.93	Peak
High Channel							
2483.500	41.39	horizontal	7.25	48.64	54.00	-5.36	Average
2483.500	53.38	horizontal	7.25	60.63	74.00	-13.37	Peak
2483.577	42.13	vertical	7.25	49.38	54.00	-4.62	Average
2483.577	54.44	vertical	7.25	61.69	74.00	-12.31	Peak
4904.000	49.34	horizontal	0.19	49.53	74.00	-24.47	Peak
4904.000	48.68	vertical	0.19	48.87	74.00	-25.13	Peak

Remark:
Corrected Amplitude= Reading level + corrected Factor
Corrected Factor = Antenna factor + Cable loss – Amplifier gain
Margin = Corrected Amplitude – Limit

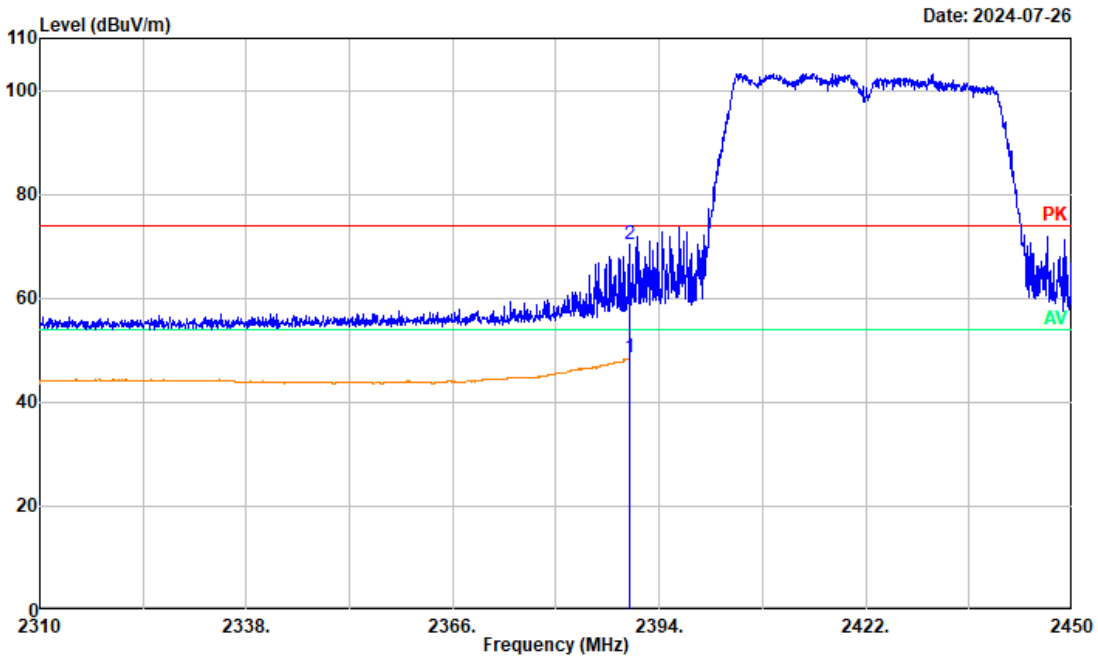
For the test result of Peak below the Peak limit more than 20dB, which can compliance with the average limit, just the Peak level was recorded.

The emission levels of other frequencies that were lower than the limit 20dB not show in test report.

For emissions in 18GHz-25GHz range, all emissions were investigated and in the noise floor level.

Test plot for example as below:

Mode:	802.11n40	Channel:	2422MHz

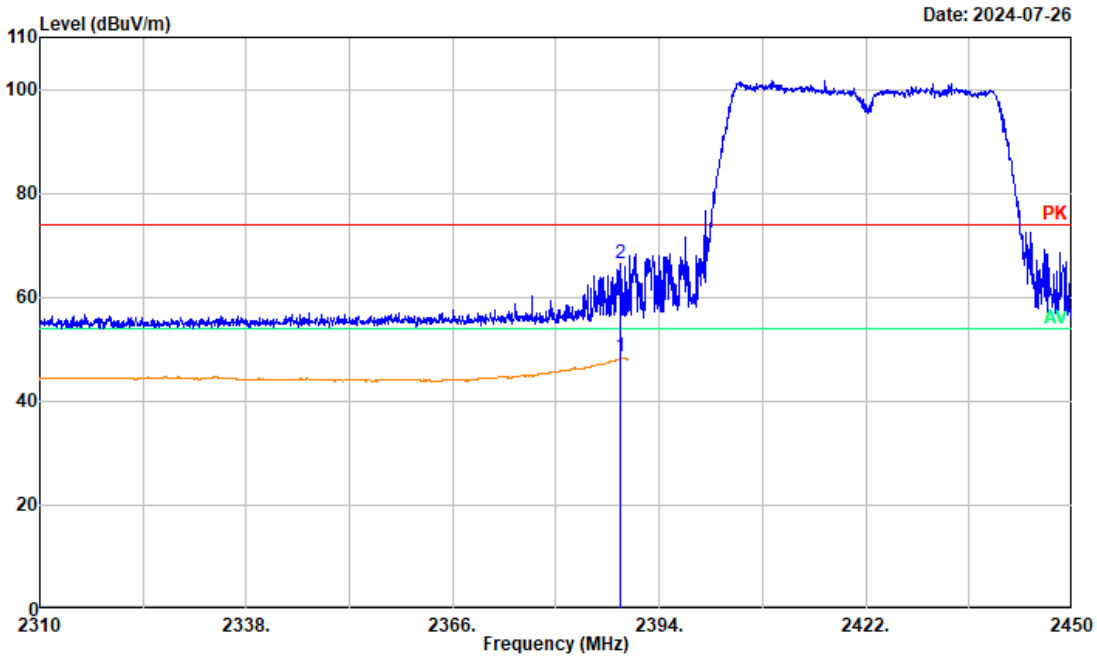


Project No. : 2405V85580E
Test Mode : Transmitting
Test Voltage : DC 5V
Environment : 23.9℃/65%R.H./100.3kPa
Tested by : Bard Huang
Polarization : horizontal
Remark : 802.11n40 low channel

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	2389.910	41.55	7.18	48.73	54.00	-5.27	Average
2	2389.910	63.28	7.18	70.46	74.00	-3.54	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit

Mode:	802.11n40	Channel:	2422MHz

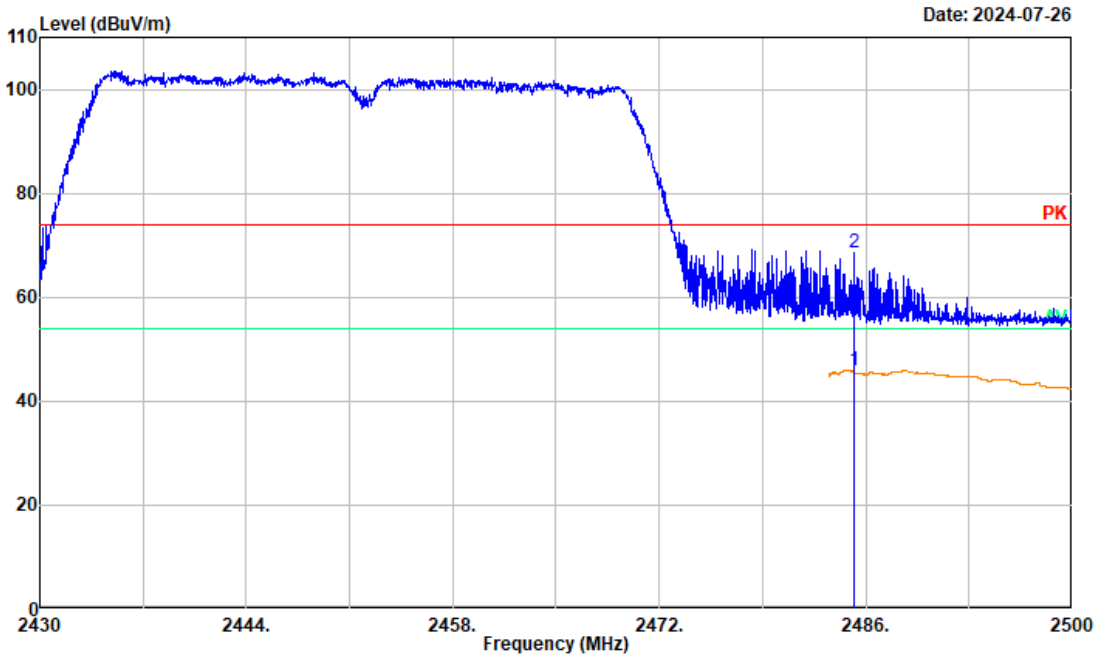


Project No. : 2405V85580E
Test Mode : Transmitting
Test Voltage : DC 5V
Environment : 23.9℃/65%R.H./100.3kPa
Tested by : Bard Huang
Polarization : vertical
Remark : 802.11n40 low channel

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	2388.649	41.34	7.18	48.52	54.00	-5.48	Average
2	2388.649	59.18	7.18	66.36	74.00	-7.64	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit

Mode:	802.11n40	Channel:	2452MHz

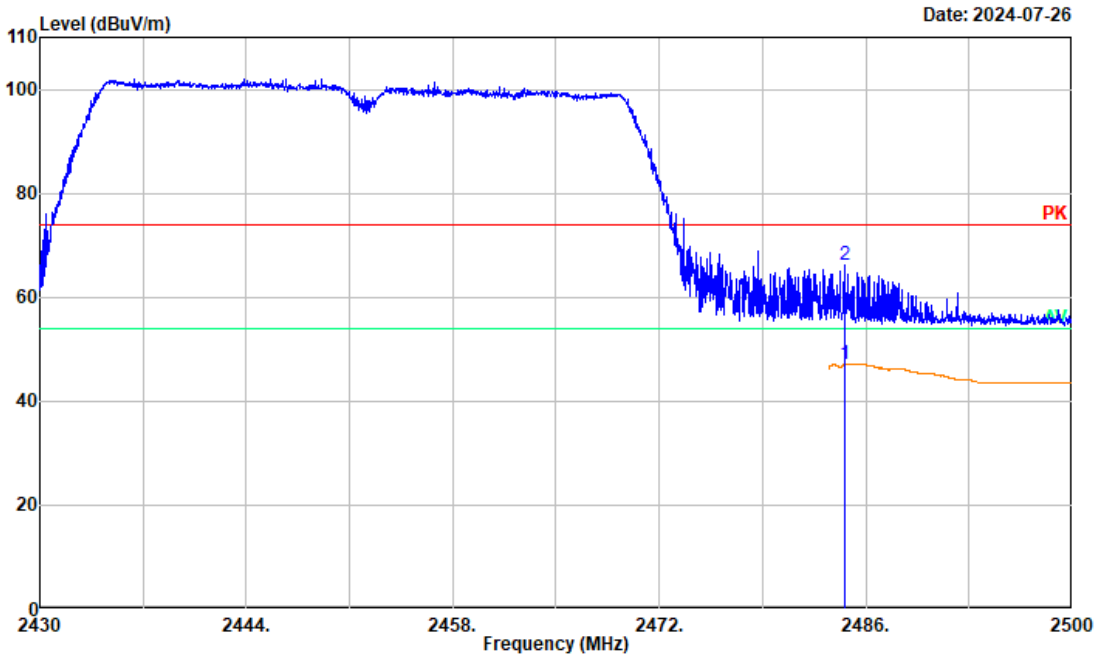


Project No. : 2405V85580E
Test Mode : Transmitting
Test Voltage : DC 5V
Environment : 23.9℃/65%R.H./100.3kPa
Tested by : Bard Huang
Polarization : horizontal
Remark : 802.11n40 high channel

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	2485.223	38.69	7.26	45.95	54.00	-8.05	Average
2	2485.223	61.31	7.26	68.57	74.00	-5.43	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit

Mode:	802.11n40	Channel:	2452MHz

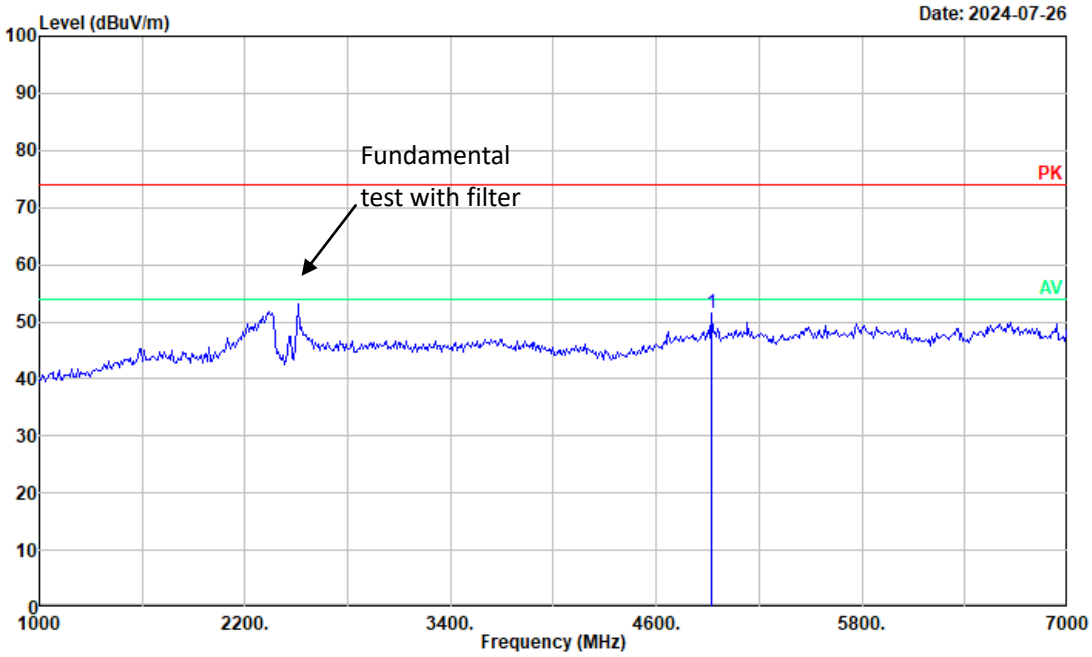


Project No. : 2405V85580E
Test Mode : Transmitting
Test Voltage : DC 5V
Environment : 23.9℃/65%R.H./100.3kPa
Tested by : Bard Huang
Polarization : vertical
Remark : 802.11n40 high channel

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	2484.557	39.96	7.26	47.22	54.00	-6.78	Average
2	2484.557	58.82	7.26	66.08	74.00	-7.92	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit

Mode:	802.11g	Channel:	2462MHz

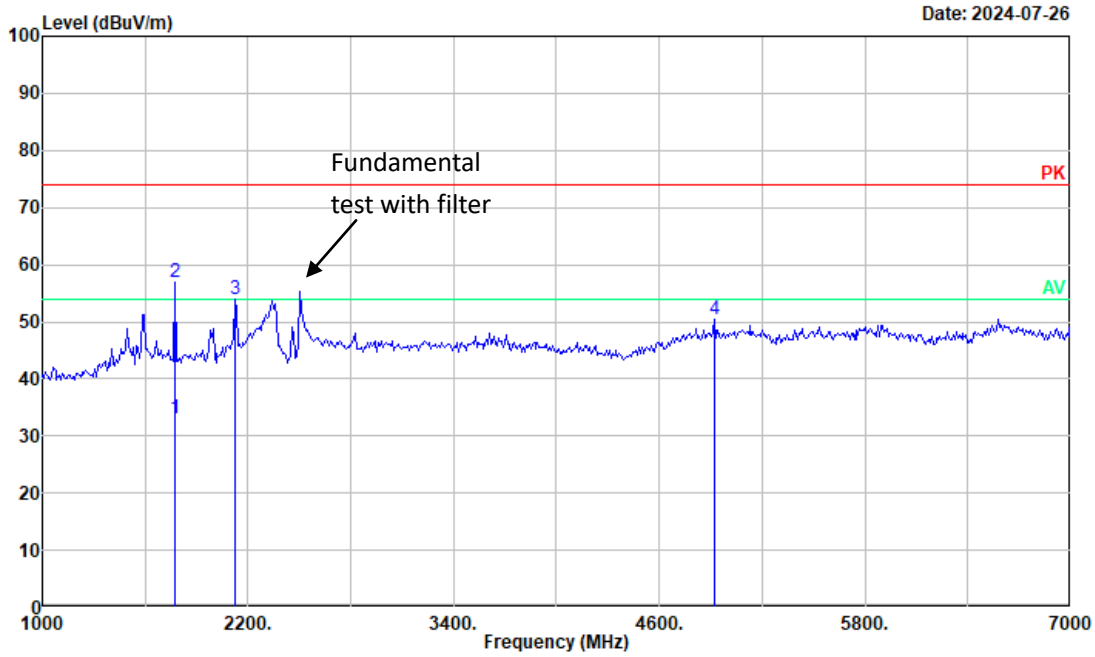


Project No. : 2405V85580E
Test Mode : Transmitting
Test Voltage : DC 5V
Environment : 21.6℃/65%R.H./99.8kPa
Tested by : Bard Huang
Polarization : horizontal
Remark : 802.11g high channel

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	4924.000	51.30	0.23	51.53	74.00	-22.47	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit

Mode:	802.11g	Channel:	2462MHz

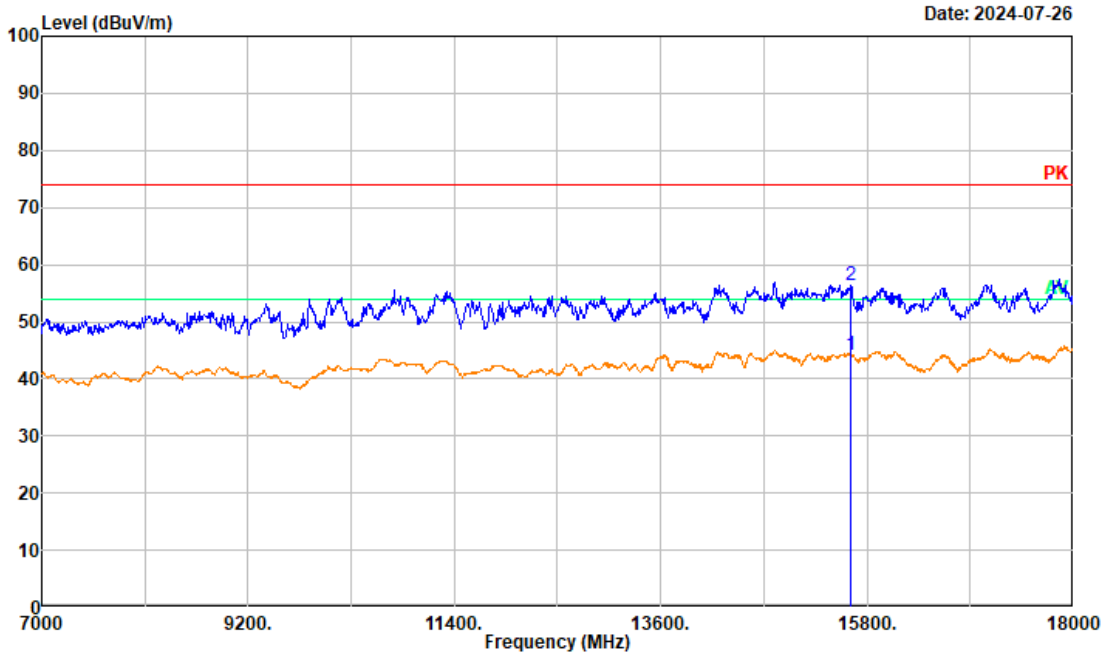


Project No. : 2405V85580E
Test Mode : Transmitting
Test Voltage : DC 5V
Environment : 21.6℃/65%R.H./99.8kPa
Tested by : Bard Huang
Polarization : vertical
Remark : 802.11g high channel

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	1773.887	36.20	-3.20	33.00	54.00	-21.00	Average
2	1773.887	60.08	-3.20	56.88	74.00	-17.12	Peak
3	2122.561	57.57	-3.59	53.98	74.00	-20.02	Peak
4	4924.000	50.20	0.23	50.43	74.00	-23.57	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit

Mode:	802.11g	Channel:	2462MHz

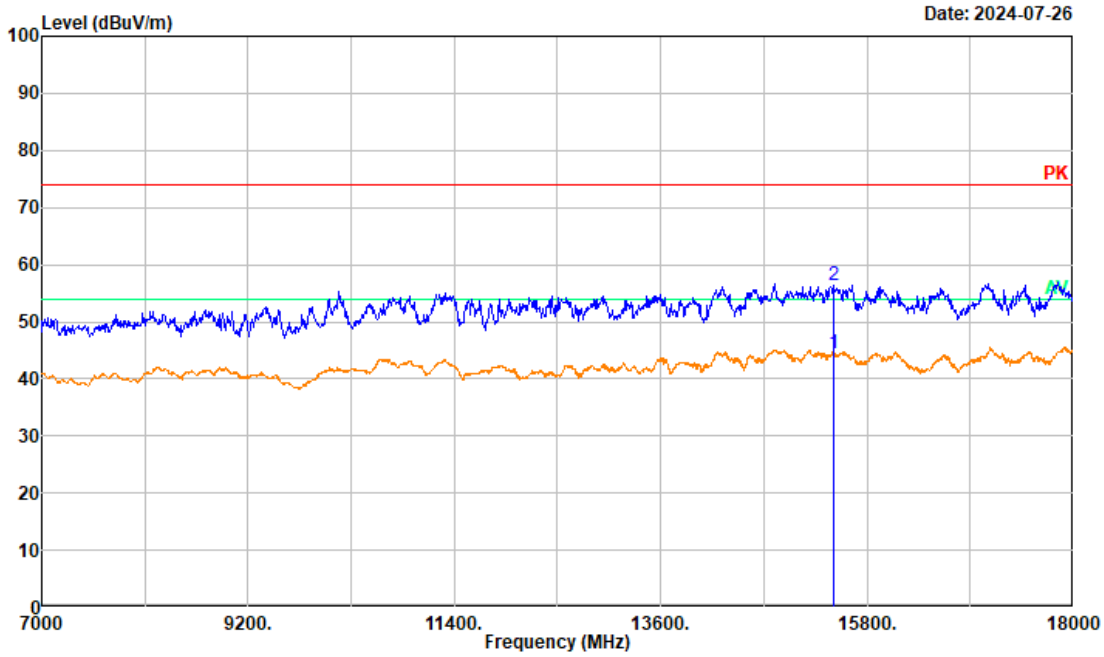


Project No. : 2405V85580E
Test Mode : Transmitting
Test Voltage : DC 5V
Environment : 21.6℃/65%R.H./99.8kPa
Tested by : Bard Huang
Polarization : horizontal
Remark : 802.11g high channel

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	15618.810	35.43	8.66	44.09	54.00	-9.91	Average
2	15618.810	47.67	8.66	56.33	74.00	-17.67	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit

Mode:	802.11g	Channel:	2462MHz

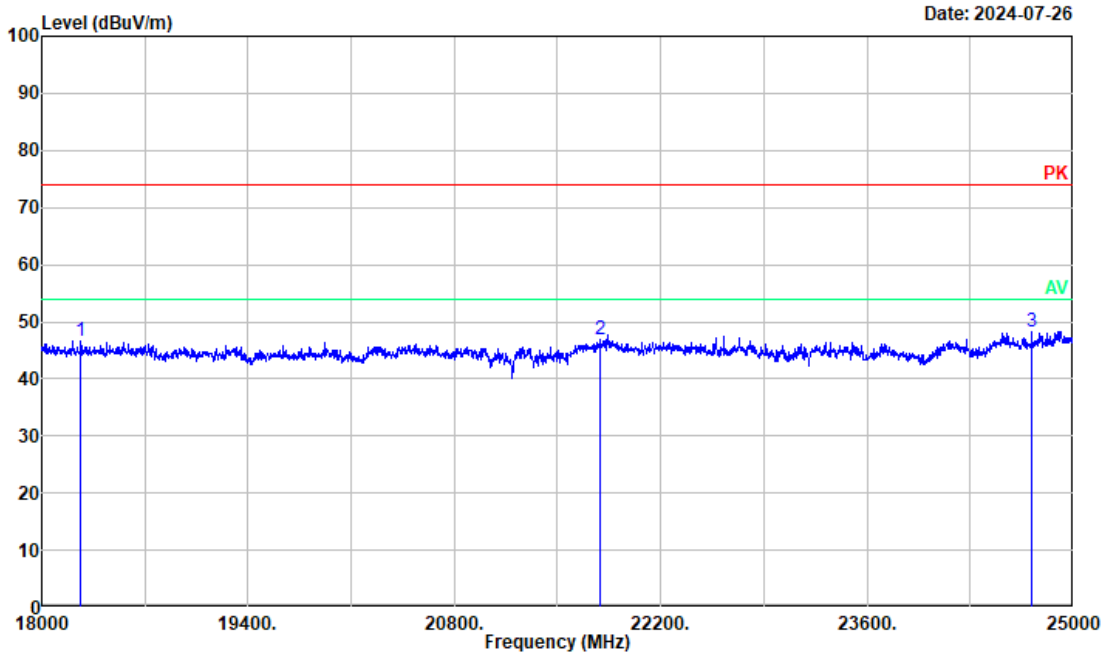


Project No. : 2405V85580E
Test Mode : Transmitting
Test Voltage : DC 5V
Environment : 21.6℃/65%R.H./99.8kPa
Tested by : Bard Huang
Polarization : vertical
Remark : 802.11g high channel

--No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	15440.220	35.21	9.31	44.52	54.00	-9.48	Average
2	15440.220	47.18	9.31	56.49	74.00	-17.51	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain
Result = Reading + Factor
Over Limit = Result - Limit

Mode:	802.11g	Channel:	2462MHz

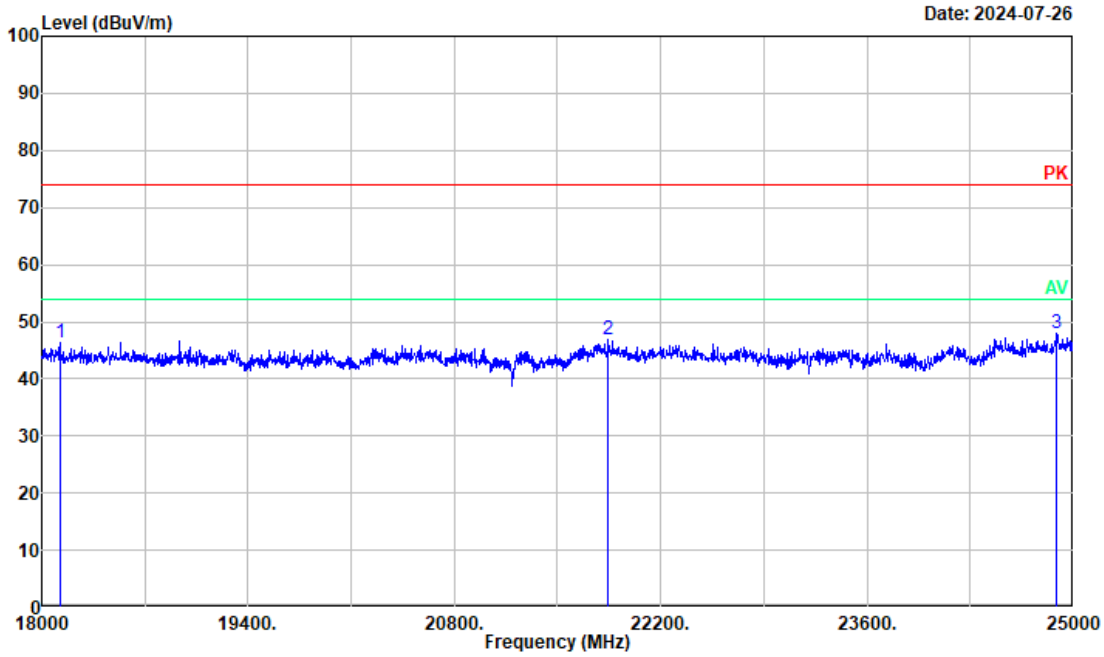


Project No. : 2405V85580E
Test Mode : Transmitting
Test Voltage : DC 5V
Environment : 21.6℃/65%R.H./99.8kPa
Tested by : Bard Huang
Polarization : horizontal
Remark : 802.11g high channel

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	18266.130	52.47	-5.83	46.64	74.00	-27.36	Peak
2	21788.890	53.89	-7.00	46.89	74.00	-27.11	Peak
3	24716.360	52.68	-4.56	48.12	74.00	-25.88	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain - Distance extrapolate factor
Distance extrapolate factor = 20*log(specified distance/measured distance)
Specified distance = 3 meters, measured distance = 1.5 meters
Result = Reading + Factor
Over Limit = Result - Limit

Mode:	802.11n40	Channel:	2462MHz



Project No. : 2405V85580E
Test Mode : Transmitting
Test Voltage : DC 5V
Environment : 21.6℃/65%R.H./99.8kPa
Tested by : Bard Huang
Polarization : vertical
Remark : 802.11g high channel

--No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Detector
1	18122.560	51.87	-5.60	46.27	74.00	-27.73	Peak
2	21844.920	53.83	-6.92	46.91	74.00	-27.09	Peak
3	24887.940	51.51	-3.55	47.96	74.00	-26.04	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain - Distance extrapolate factor
Distance extrapolate factor = 20*log(specified distance/measured distance)
Specified distance = 3 meters, measured distance = 1.5 meters
Result = Reading + Factor
Over Limit = Result - Limit

3.5 RF Conducted Test Data

Test Date:	2024-07-29	Test By:	Ryan Zhang
Environment condition:	Temperature: 25.2°C;RelativeHumidity:44%; ATM Pressure: 100.2kPa		

3.5.1 6dB Emission Bandwidth

Mode	Value (MHz)	Limit (MHz)	Result
b_2412MHz_Chain 0	8.120	≥0.5	Pass
b_2437MHz_Chain 0	8.120	≥0.5	Pass
b_2462MHz_Chain 0	8.160	≥0.5	Pass
g_2412MHz_Chain 0	16.600	≥0.5	Pass
g_2437MHz_Chain 0	16.520	≥0.5	Pass
g_2462MHz_Chain 0	16.560	≥0.5	Pass
n20_2412MHz_Chain 0	17.800	≥0.5	Pass
n20_2437MHz_Chain 0	17.720	≥0.5	Pass
n20_2462MHz_Chain 0	17.720	≥0.5	Pass
n40_2422MHz_Chain 0	36.560	≥0.5	Pass
n40_2437MHz_Chain 0	36.560	≥0.5	Pass
n40_2452MHz_Chain 0	36.560	≥0.5	Pass
ax20_2412MHz_Chain 0	19.240	≥0.5	Pass
ax20_2437MHz_Chain 0	19.160	≥0.5	Pass
ax20_2462MHz_Chain 0	19.120	≥0.5	Pass
ax40_2422MHz_Chain 0	38.240	≥0.5	Pass
ax40_2437MHz_Chain 0	38.240	≥0.5	Pass
ax40_2452MHz_Chain 0	38.160	≥0.5	Pass

3.5.2 99% Occupied Bandwidth

Mode	99% OBW (MHz)
b_2412MHz_Chain 0	12.080
b_2437MHz_Chain 0	12.120
b_2462MHz_Chain 0	12.120
g_2412MHz_Chain 0	17.000
g_2437MHz_Chain 0	16.960
g_2462MHz_Chain 0	17.040
n20_2412MHz_Chain 0	18.040
n20_2437MHz_Chain 0	18.040
n20_2462MHz_Chain 0	18.040
n40_2422MHz_Chain 0	36.640
n40_2437MHz_Chain 0	36.720
n40_2452MHz_Chain 0	36.720
ax20_2412MHz_Chain 0	19.200
ax20_2437MHz_Chain 0	19.160
ax20_2462MHz_Chain 0	19.160
ax40_2422MHz_Chain 0	38.000
ax40_2437MHz_ Chain 0	38.000
ax40_2452MHz_Chain 0	38.000

3.5.3 Maximum Conducted Output Power

Mode	Peak Output Power (dBm)	Average Output Power (dBm)	Limit (dBm)	Result
b_2412MHz_Chain 0	13.71	10.60	30	Pass
b_2437MHz_Chain 0	14.01	10.91	30	Pass
b_2462MHz_Chain 0	13.99	10.90	30	Pass
g_2412MHz_Chain 0	22.31	11.25	30	Pass
g_2437MHz_Chain 0	22.88	12.12	30	Pass
g_2462MHz_Chain 0	23.69	12.53	30	Pass
n20_2412MHz_Chain 0	20.79	8.72	30	Pass
n20_2437MHz_Chain 0	21.96	9.60	30	Pass
n20_2462MHz_Chain 0	21.26	9.98	30	Pass
n40_2422MHz_Chain 0	20.60	5.71	30	Pass
n40_2437MHz_Chain 0	21.28	6.35	30	Pass
n40_2452MHz_Chain 0	21.46	6.54	30	Pass
ax20_2412MHz_Chain 0	19.77	7.92	30	Pass
ax20_2437MHz_Chain 0	20.24	8.65	30	Pass
ax20_2462MHz_Chain 0	21.00	9.14	30	Pass
ax40_2422MHz_Chain 0	17.12	5.19	30	Pass
ax40_2437MHz_Chain 0	18.50	5.83	30	Pass
ax40_2452MHz_Chain 0	17.67	5.99	30	Pass

3.5.4 Power Spectral Density

Mode	Value (dBm/3kHz)	Limit (dBm/3kHz)	Result
b_2412MHz_Chain 0	-10.86	8	Pass
b_2437MHz_Chain 0	-10.42	8	Pass
b_2462MHz_Chain 0	-10.87	8	Pass
g_2412MHz_Chain 0	-14.16	8	Pass
g_2437MHz_Chain 0	-12.57	8	Pass
g_2462MHz_Chain 0	-12.58	8	Pass
n20_2412MHz_Chain 0	-15.12	8	Pass
n20_2437MHz_Chain 0	-14.76	8	Pass
n20_2462MHz_Chain 0	-14.66	8	Pass
n40_2422MHz_Chain 0	-19.60	8	Pass
n40_2437MHz_Chain 0	-21.22	8	Pass
n40_2452MHz_Chain 0	-20.91	8	Pass
ax20_2412MHz_Chain 0	-17.74	8	Pass
ax20_2437MHz_Chain 0	-17.74	8	Pass
ax20_2462MHz_Chain 0	-16.36	8	Pass
ax40_2422MHz_Chain 0	-19.47	8	Pass
ax40_2437MHz_Chain 0	-22.86	8	Pass
ax40_2452MHz_Chain 0	-22.51	8	Pass

3.5.5 100 kHz Bandwidth of Frequency Band Edge

Mode	Value (dB)	Limit (dB)	Result
b_2412MHz_Chain 0	48.52	20	Pass
b_2462MHz_Chain 0	48.75	20	Pass
g_2412MHz_Chain 0	39.88	20	Pass
g_2462MHz_Chain 0	45.01	20	Pass
n20_2412MHz_Chain 0	38.96	20	Pass
n20_2462MHz_Chain 0	43.32	20	Pass
n40_2422MHz_Chain 0	37.98	20	Pass
n40_2452MHz_Chain 0	37.56	20	Pass
ax20_2412MHz_Chain 0	36.41	20	Pass
ax20_2462MHz_Chain 0	42.92	20	Pass
ax40_2422MHz_Chain 0	36.19	20	Pass
ax40_2452MHz_Chain 0	37.32	20	Pass

3.5.6 Duty Cycle

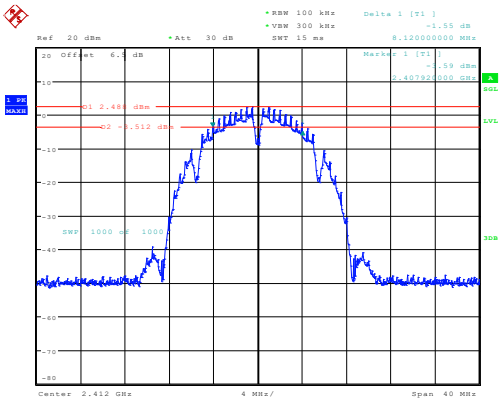
Mode	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor (dB)	1/Ton (Hz)	VBW Setting (kHz)
b_2437MHz_Chain 0	0.965	1.107	87.17	0.60	1036	2.000
g_2437MHz_Chain 0	5.474	10.347	52.90	2.77	183	0.200
n20_2437MHz_Chain 0	5.360	10.352	51.78	2.86	187	0.200
n40_2437MHz_Chain 0	5.142	10.357	49.65	3.04	194	0.200
ax20_2437MHz_Chain 0	4.649	10.347	44.93	3.47	215	0.300
ax40_2437MHz_Chain 0	4.634	10.342	44.81	3.49	216	0.300

Duty Cycle = Ton/(Ton+Toff)*100%

Test Plots:

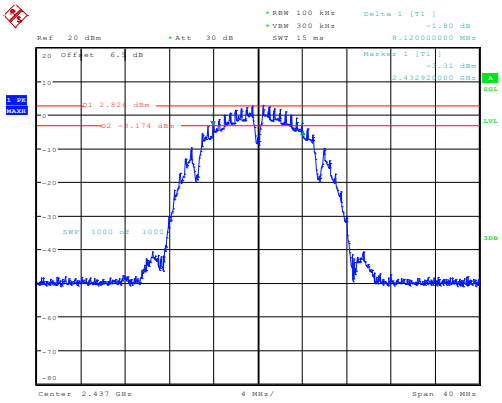
6 dB Emission Bandwidth:

b_2412MHz_Chain 0 8.120MHz



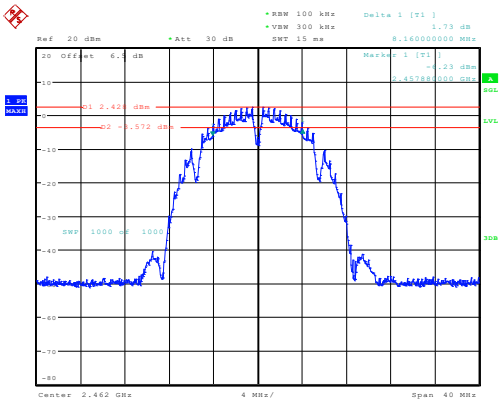
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 13:30:11

b_2437MHz_Chain 0 8.120MHz



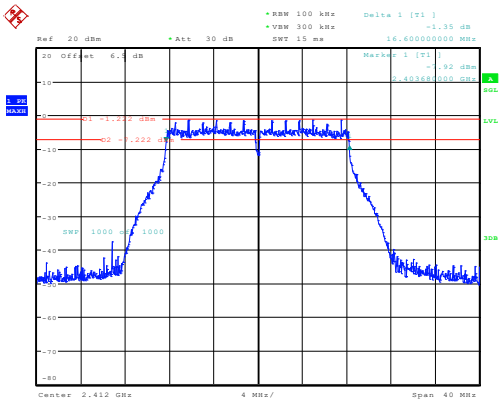
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 13:34:22

b_2462MHz_Chain 0 8.160MHz



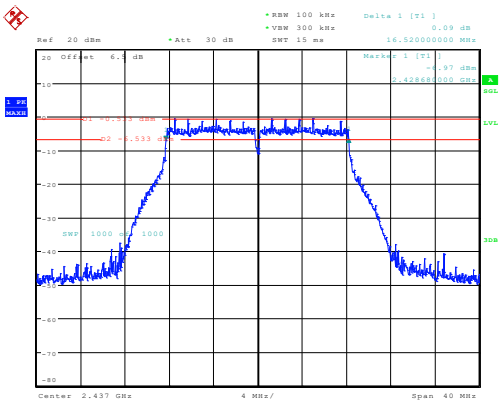
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 13:40:38

g_2412MHz_Chain 0 16.600MHz



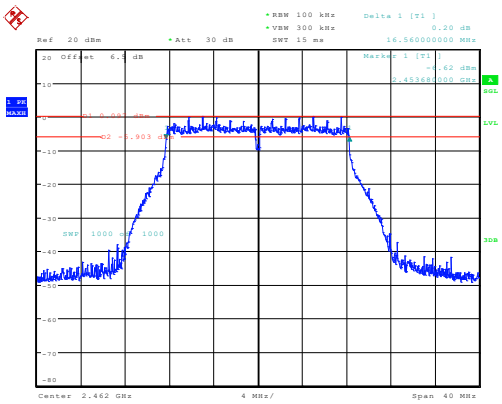
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 13:46:07

g_2437MHz_Chain 0 16.520MHz



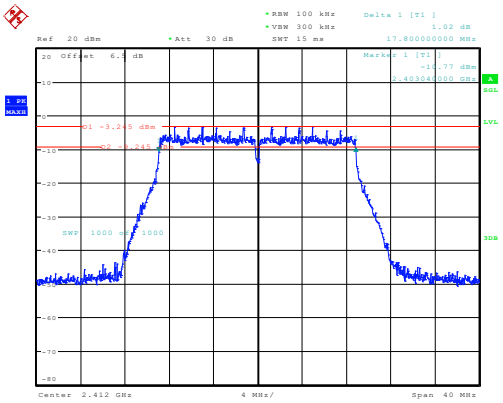
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 13:53:43

g_2462MHz_Chain 0 16.560MHz



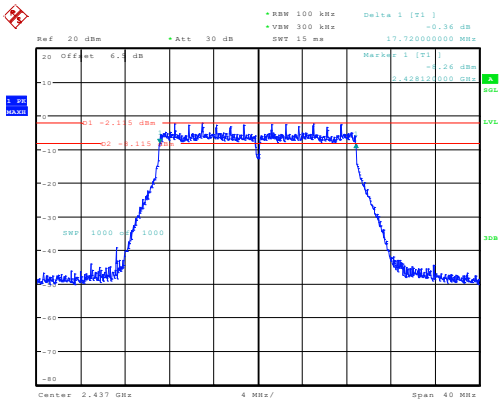
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 14:01:58

n20_2412MHz_Chain 0 17.800MHz



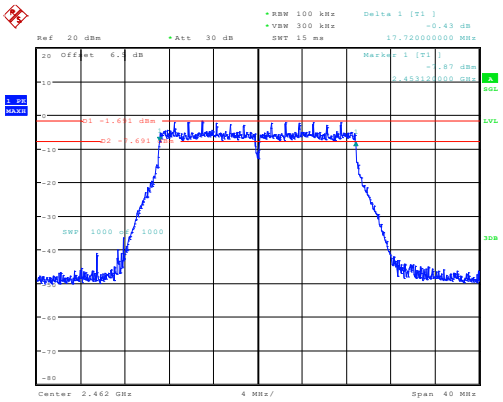
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 14:09:38

n20_2437MHz_Chain 0 17.720MHz



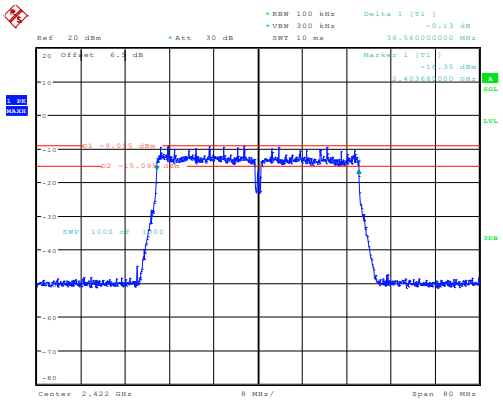
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 14:16:18

n20_2462MHz_Chain 0 17.720MHz



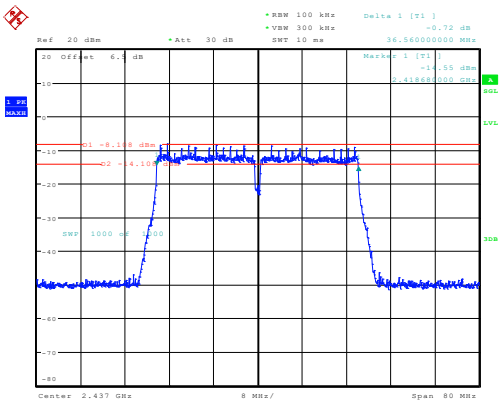
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 14:25:04

n40_2422MHz_Chain 0 36.560MHz



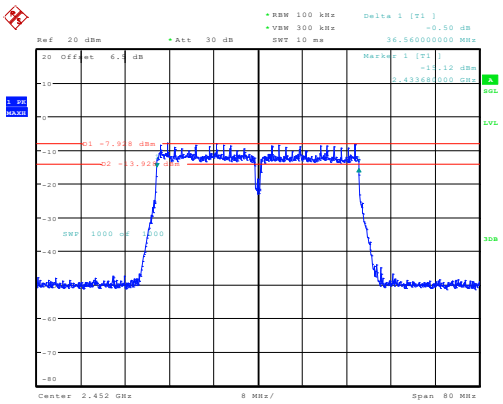
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 14:33:51

n40_2437MHz_Chain 0 36.560MHz



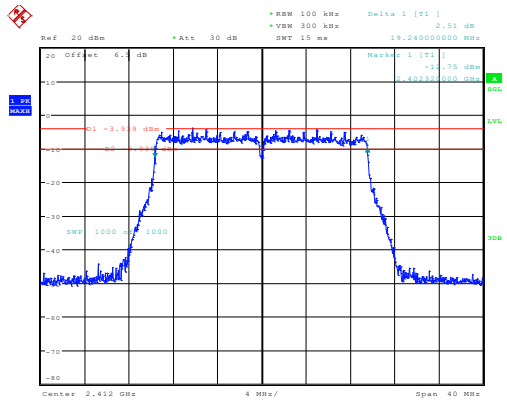
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 14:45:40

n40_2452MHz_Chain 0 36.560MHz



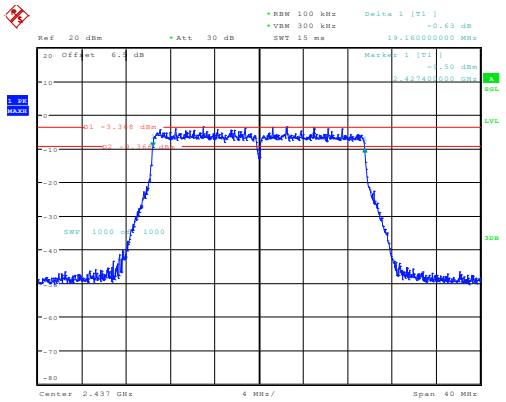
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 14:59:06

ax20_2412MHz_Chain 0 19.240MHz



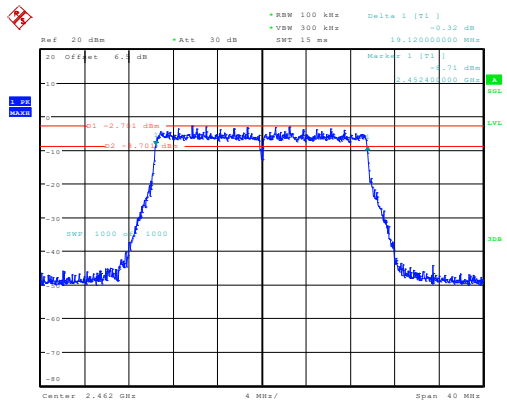
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 15:14:16

ax20_2437MHz_Chain 0 19.160MHz



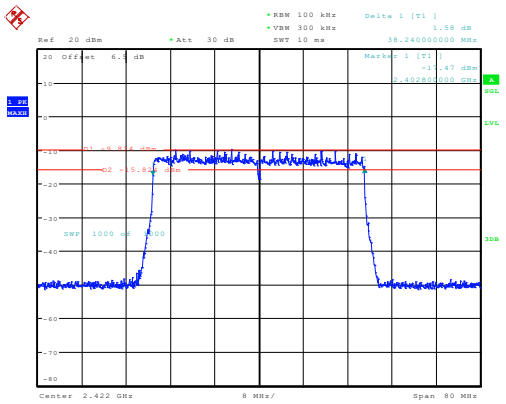
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 15:23:42

ax20_2462MHz_Chain 0 19.120MHz



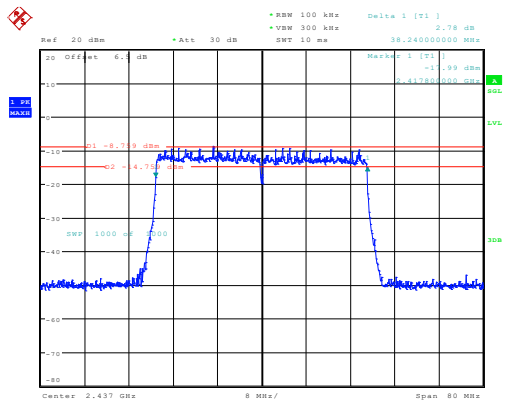
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 15:33:16

ax40_2422MHz_Chain 0 38.240MHz



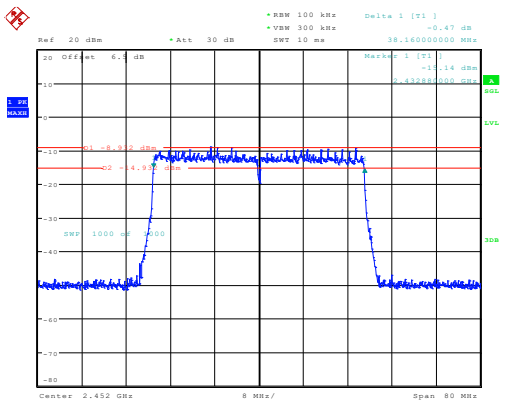
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 16:18:04

ax40_2437MHz_Chain 0 38.240MHz



ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 16:30:34

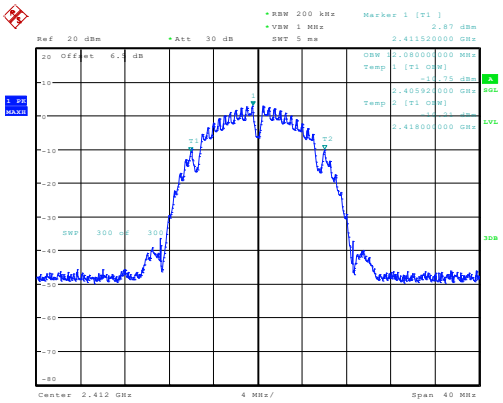
ax40_2452MHz_Chain 0 38.160MHz



ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 16:43:48

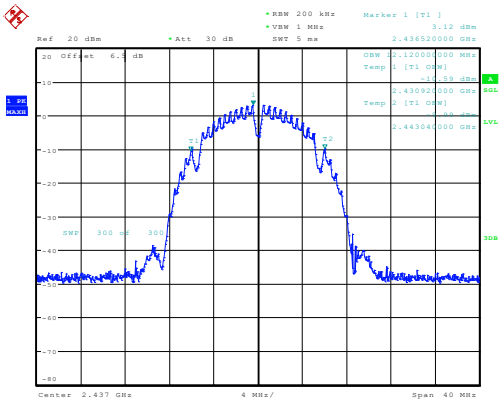
99% Occupied Bandwidth:

b_2412MHz_Chain 0 12.080MHz



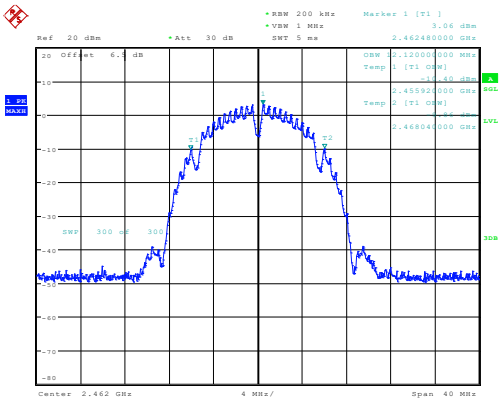
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 13:30:37

b_2437MHz_Chain 0 12.120MHz



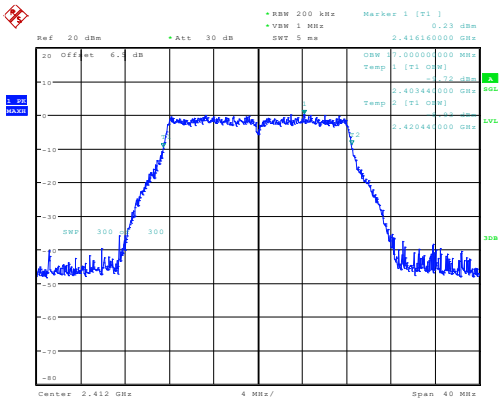
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 13:34:45

b_2462MHz_Chain 0 12.120MHz



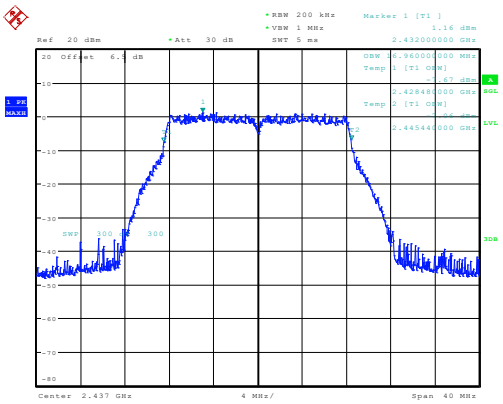
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 13:41:09

g_2412MHz_Chain 0 17.000MHz



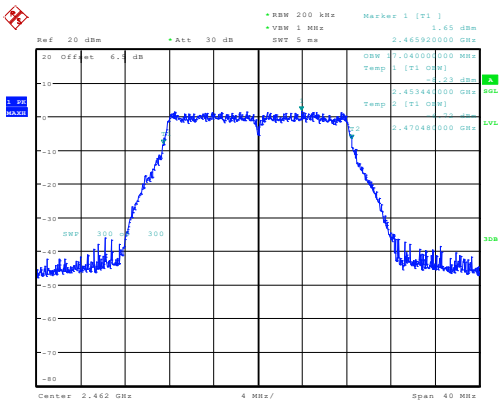
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 13:46:32

g_2437MHz_Chain 0 16.960MHz



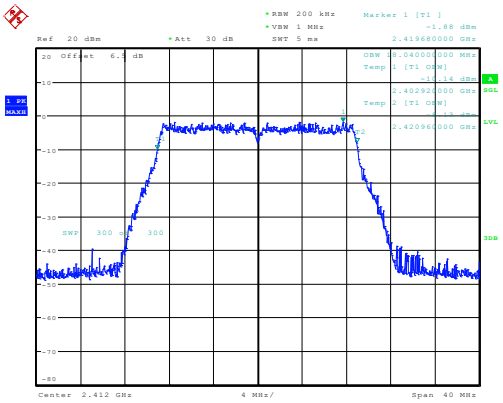
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 13:54:05

g_2462MHz_Chain 0 17.040MHz



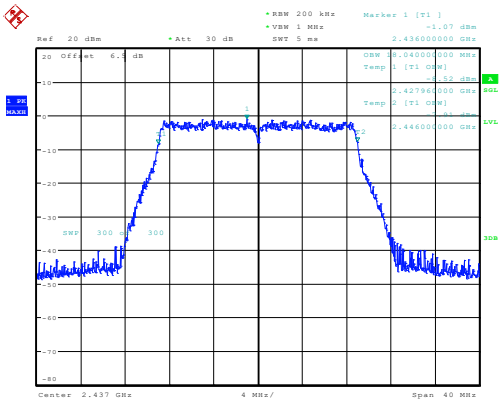
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 14:02:30

n20_2412MHz_Chain 0 18.040MHz



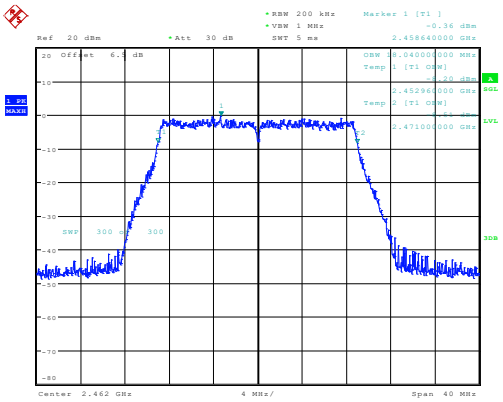
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 14:10:04

n20_2437MHz_Chain 0 18.040MHz



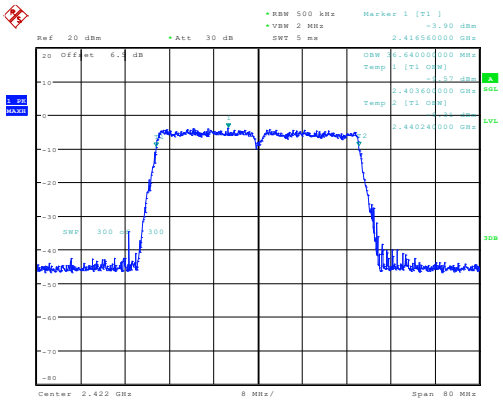
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 14:16:41

n20_2462MHz_Chain 0 18.040MHz



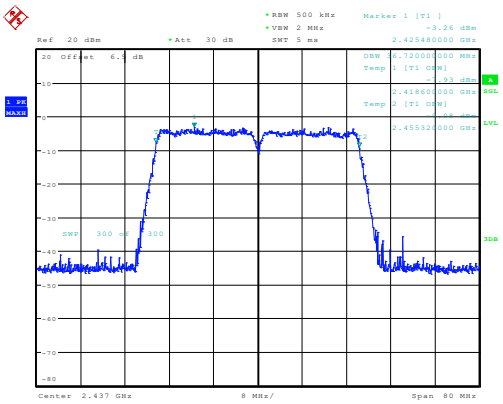
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 14:25:36

n40_2422MHz_Chain 0 36.640MHz



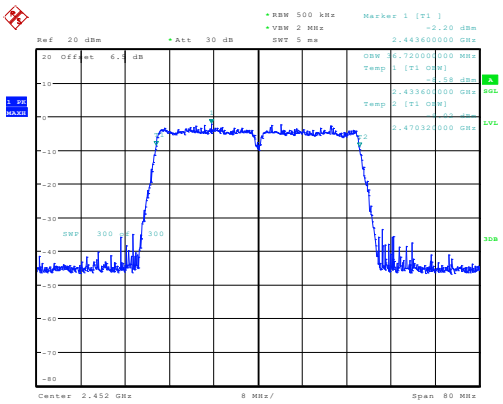
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 14:34:10

n40_2437MHz_Chain 0 36.720MHz



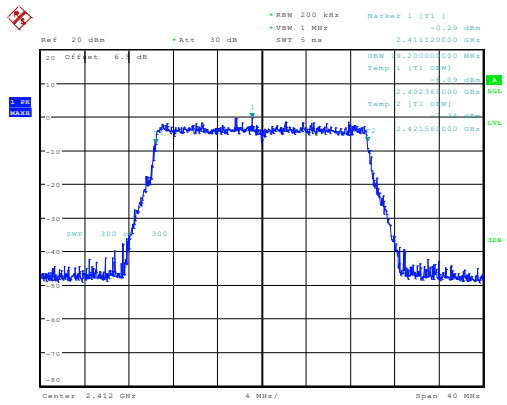
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 14:45:58

n40_2452MHz_Chain 0 36.720MHz



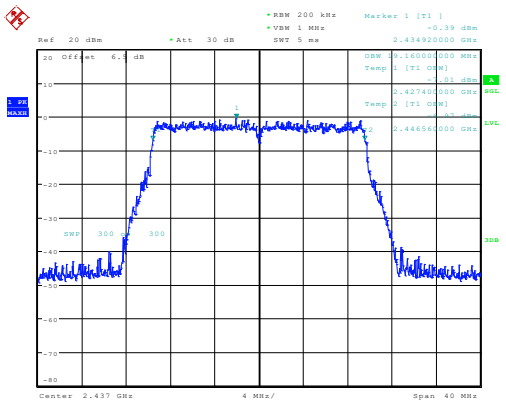
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 14:59:24

ax20_2412MHz_Chain 0 19.200MHz



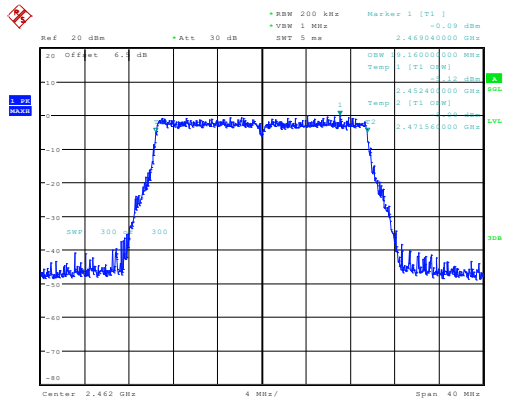
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 15:14:43

ax20_2437MHz_Chain 0 19.160MHz



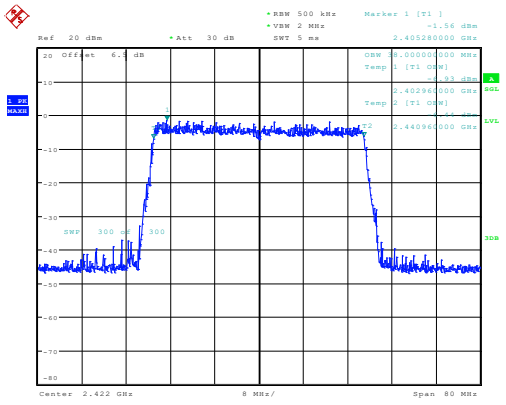
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 15:24:06

ax20_2462MHz_Chain 0 19.160MHz



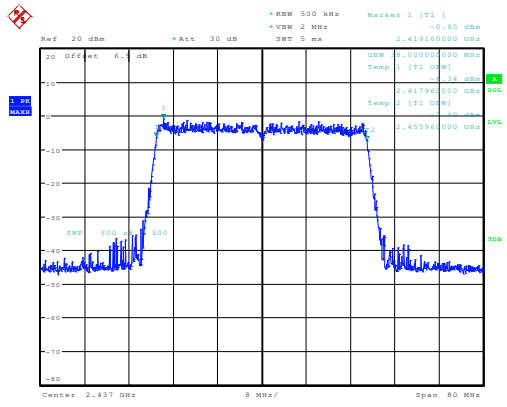
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 15:33:50

ax40_2422MHz_Chain 0 38.000MHz



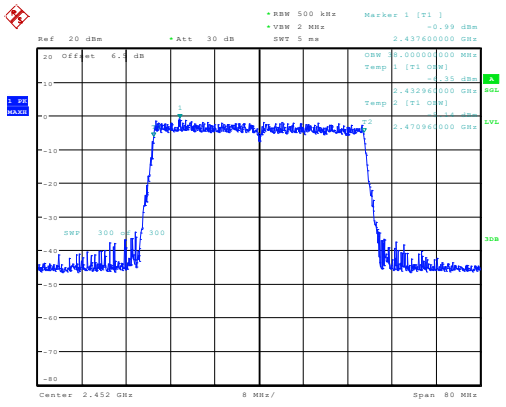
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 16:18:23

ax40_2437MHz_Chain 0 38.000MHz



ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 16:30:53

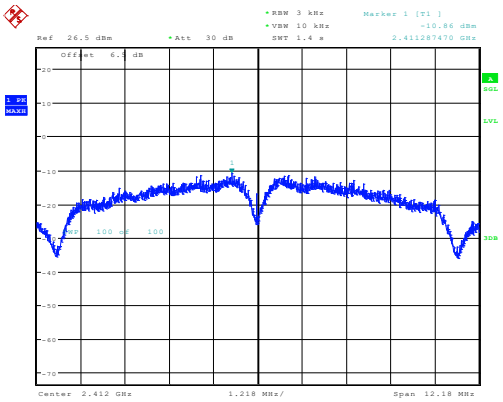
ax40_2452MHz_Chain 0 38.000MHz



ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 16:44:05

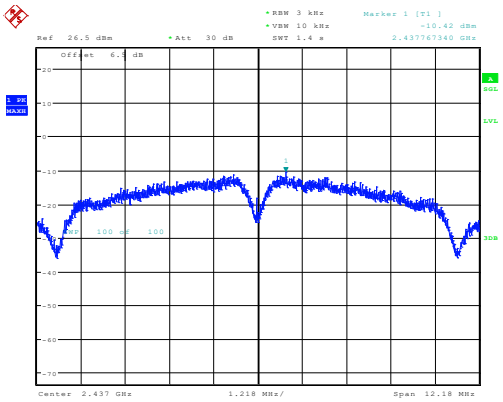
Power Spectral Density:

b_2412MHz_Chain 0 -10.86dBm/3kHz



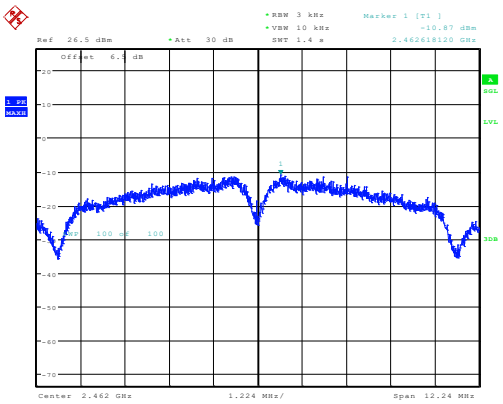
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 13:33:06

b_2437MHz_Chain 0 -10.42dBm/3kHz



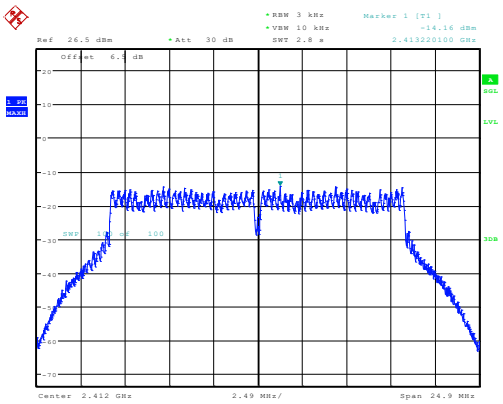
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 13:38:15

b_2462MHz_Chain 0 -10.87dBm/3kHz



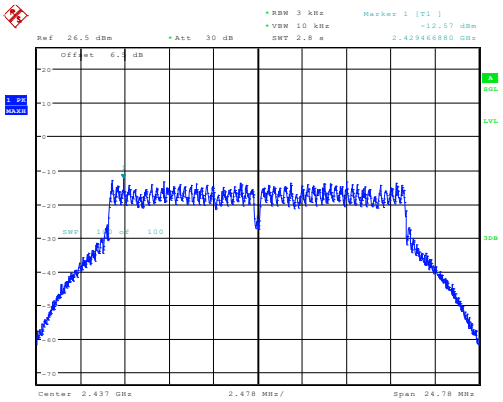
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 13:43:38

g_2412MHz_Chain 0 -14.16dBm/3kHz



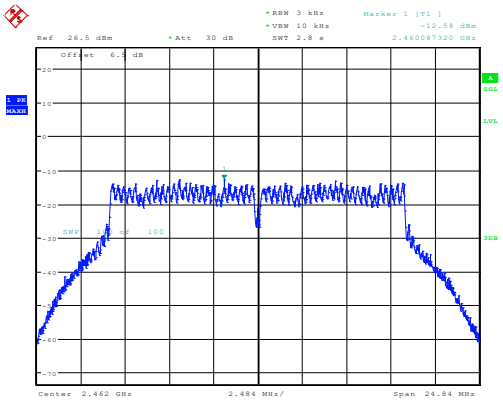
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 13:51:21

g_2437MHz_Chain 0 -12.57dBm/3kHz



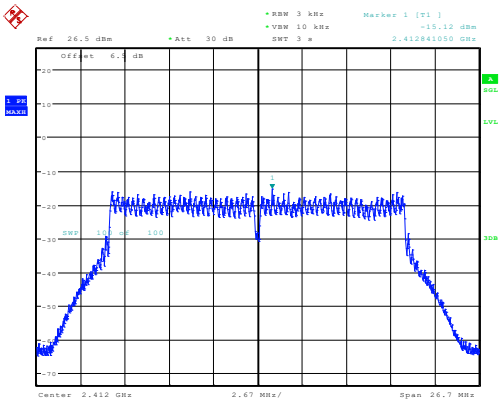
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 13:59:21

g_2462MHz_Chain 0 -12.58dBm/3kHz



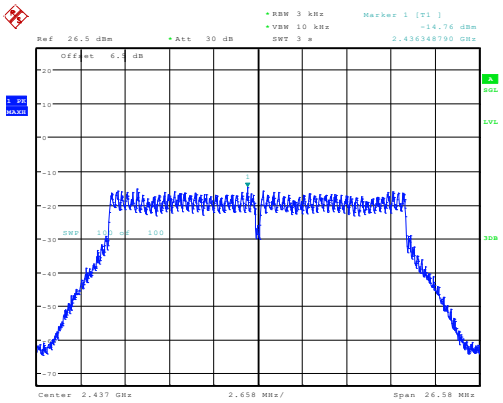
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 14:07:19

n20_2412MHz_Chain 0 -15.12dBm/3kHz



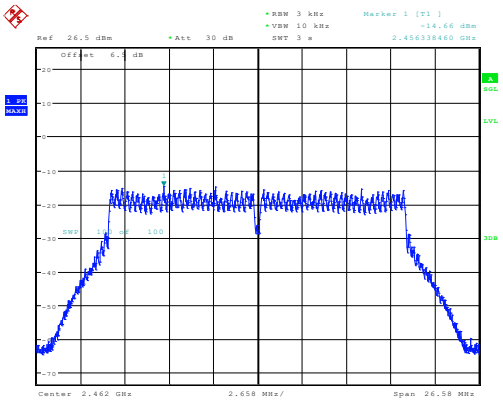
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 14:15:14

n20_2437MHz_Chain 0 -14.76dBm/3kHz



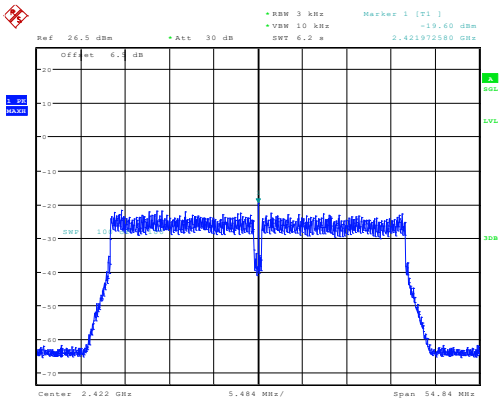
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 14:22:15

n20_2462MHz_Chain 0 -14.66dBm/3kHz



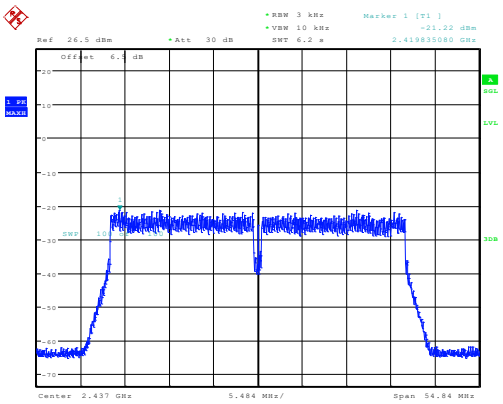
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 14:30:44

n40_2422MHz_Chain 0 -19.60dBm/3kHz



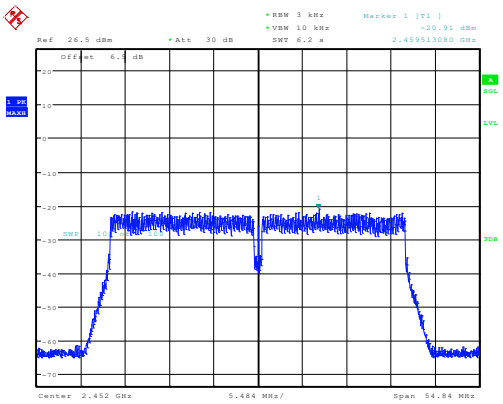
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 14:44:41

n40_2437MHz_Chain 0 -21.22dBm/3kHz



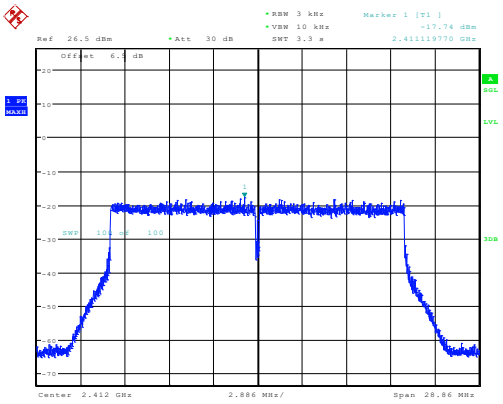
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 14:57:04

n40_2452MHz_Chain 0 -20.91dBm/3kHz



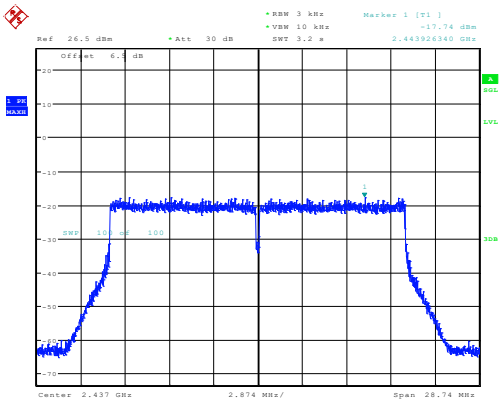
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 15:09:57

ax20_2412MHz_Chain 0 -17.74dBm/3kHz



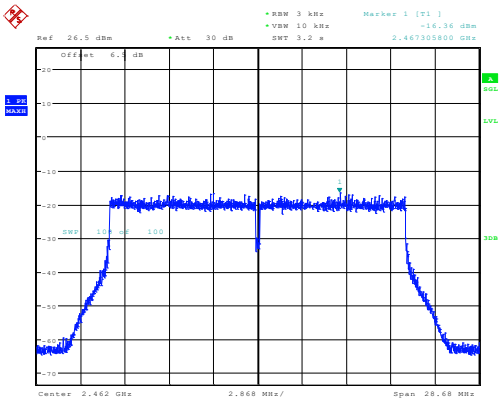
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 15:20:23

ax20_2437MHz_Chain 0 -17.74dBm/3kHz



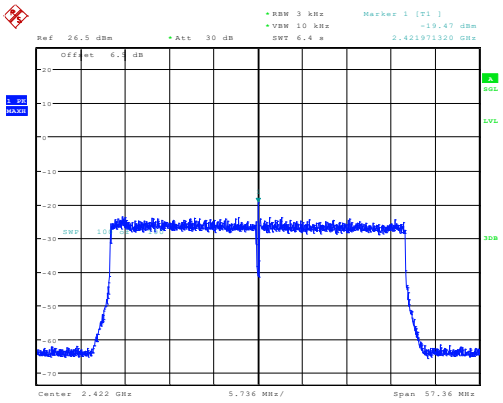
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 15:30:34

ax20_2462MHz_Chain 0 -16.36dBm/3kHz



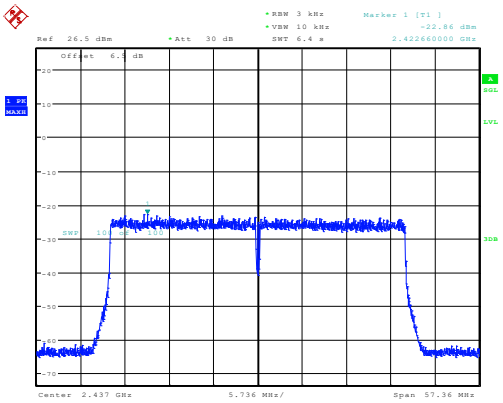
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 15:39:20

ax40_2422MHz_Chain 0 -19.47dBm/3kHz



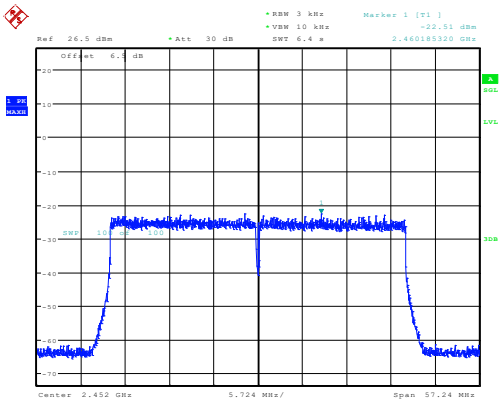
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 16:29:40

ax40_2437MHz_Chain 0 -22.86dBm/3kHz



ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 16:42:17

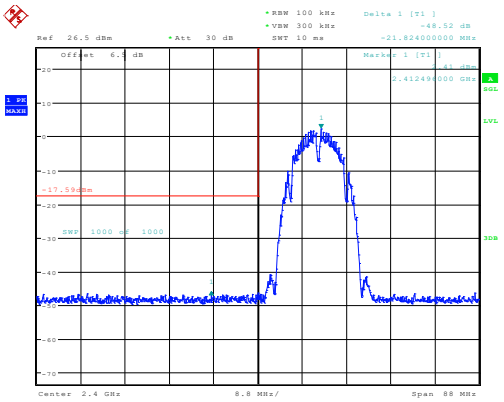
ax40_2452MHz_Chain 0 -22.51dBm/3kHz



ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 16:55:18

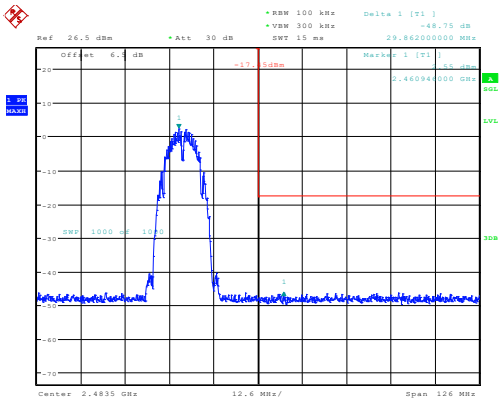
100kHz Bandwidth of Frequency Band Edge:

b_2412MHz_Chain 0 48.52dB



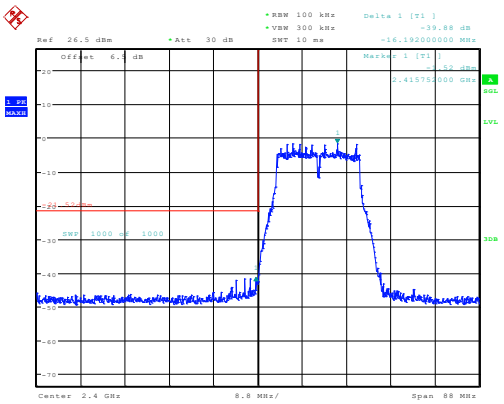
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 13:29:05

b_2462MHz_Chain 0 48.75dB



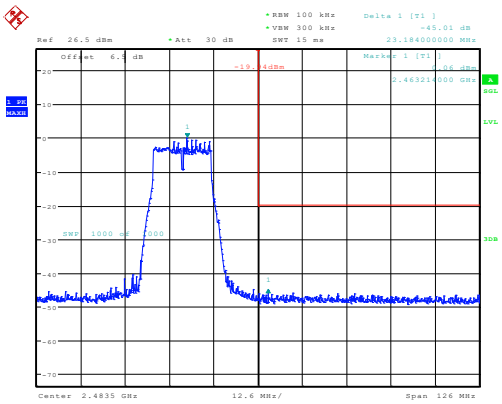
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 13:39:14

g_2412MHz_Chain 0 39.88dB



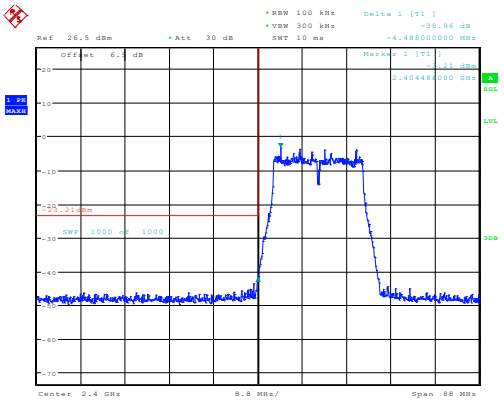
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 13:45:02

g_2462MHz_Chain 0 45.01dB



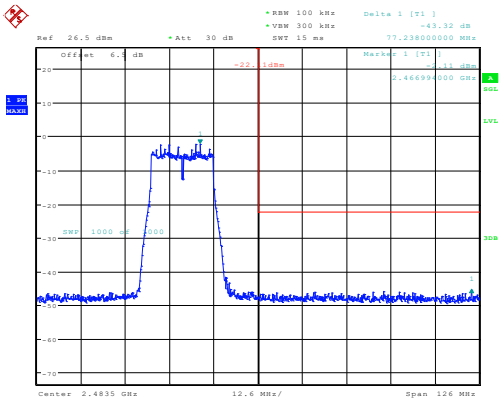
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 14:00:35

n20_2412MHz_Chain 0 38.96dB



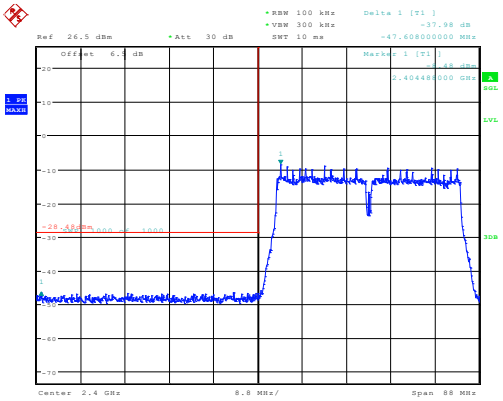
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 14:08:33

n20_2462MHz_Chain 0 43.32dB



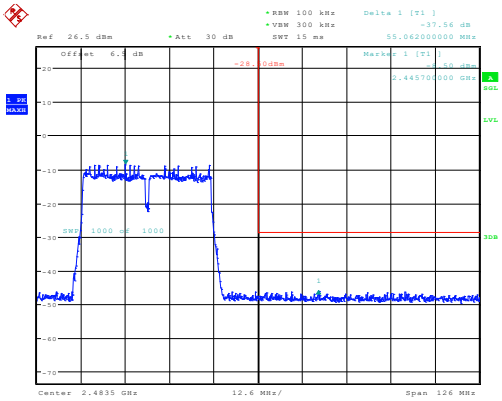
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 14:23:40

n40_2422MHz_Chain 0 37.98dB



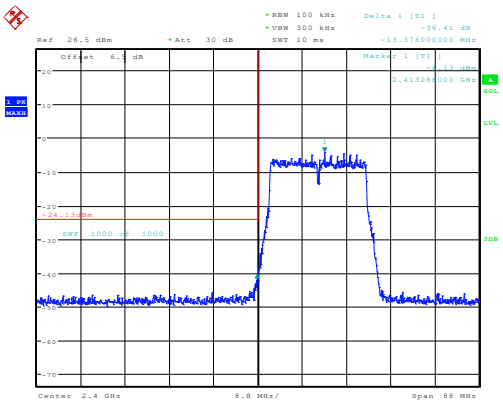
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 14:33:15

n40_2452MHz_Chain 0 37.56dB



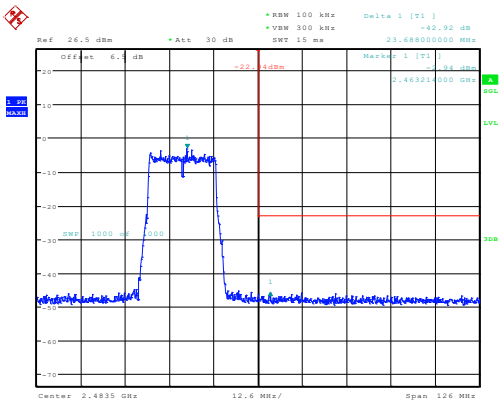
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 14:58:31

ax20_2412MHz_Chain 0 36.41dB



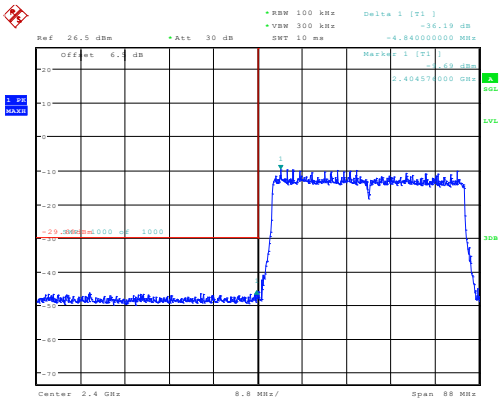
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 15:13:10

ax20_2462MHz_Chain 0 42.92dB



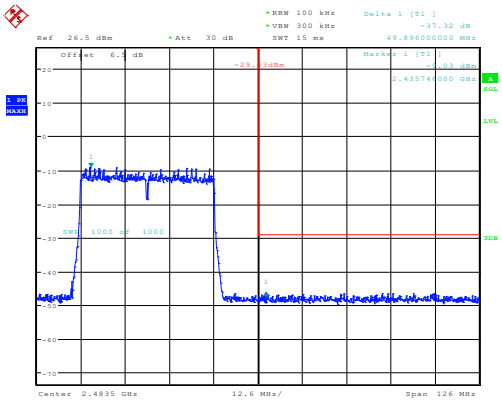
ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 15:31:51

ax40_2422MHz_Chain 0 36.19dB



ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 16:17:29

ax40_2452MHz_Chain 0 37.32dB

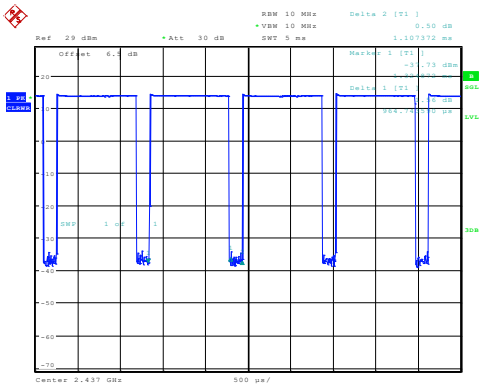


ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 16:43:15

Duty Cycle:

b_2437MHz_Chain 0

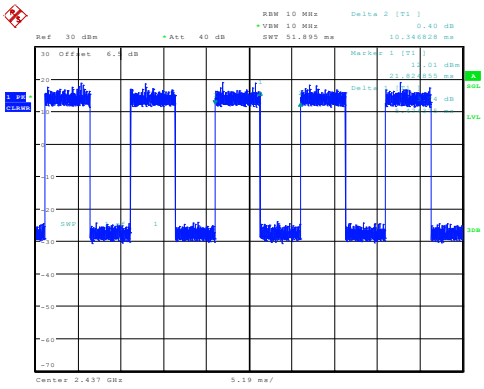
0.965ms,1.107ms



ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 18:25:28

g_2437MHz_Chain 0

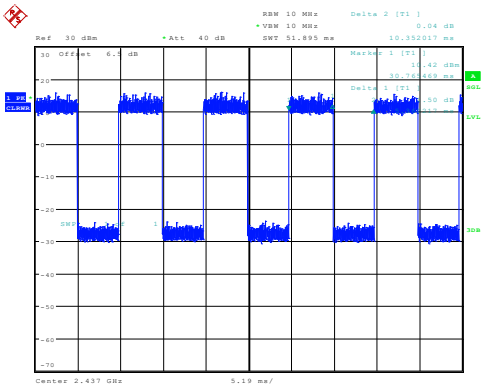
5.474ms,10.347ms



ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 13:54:32

n20_2437MHz_Chain 0

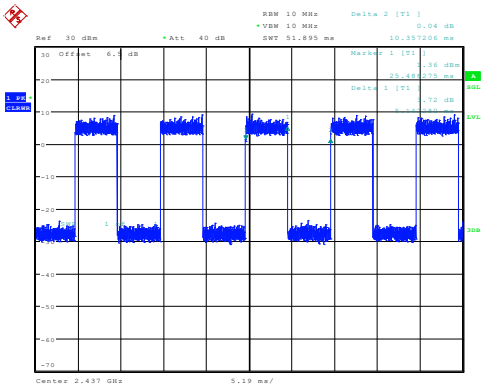
5.360ms,10.352ms



ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 14:17:07

n40_2437MHz_Chain 0

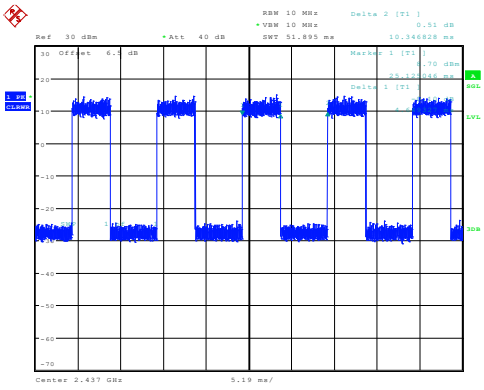
5.142ms,10.357ms



ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 14:46:34

ax20_2437MHz_Chain 0

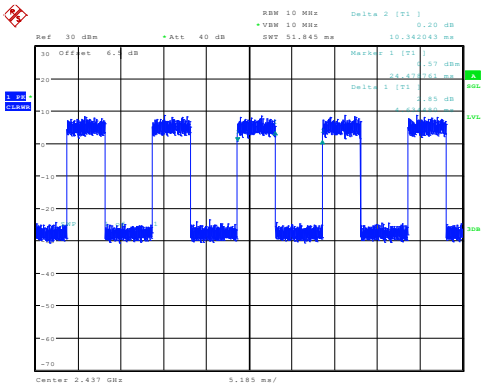
4.649ms,10.347ms



ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 15:25:04

ax40_2437MHz_ Chain 0

4.634ms,10.342ms



ProjectNo.:2405V85580E-RF Tester:Ryan Zhang
Date: 29.JUL.2024 16:31:27

4 Test Setup Photo

Please refer to the attachment 2405V85580E Test Setup photo.

5 E.U.T Photo

Please refer to the attachment 2405V85580E External photo and 2405V85580E Internal photo.

---End of Report---