



FCC PART 15.247
RSS-GEN ISSUE 5, FEBRUARY 2021 AMENDMENT2
RSS-247 ISSUE 3, AUGUST 2023

TEST REPORT

For

FCC: Fujian LANDI Commercial Equipment Co.,Ltd.

Building 17, Section A, Software Park No. 89 Software Road, Gulou District, Fuzhou Municipality, Fujian
Province, China

IC: Fujian LANDI Commercial Equipment Co., Ltd.

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Fuzhou Fujian 350003 China

FCC ID: 2AG6N-SNM927WF4MG
IC: 23725-SNM927WF4MG

Report Type:

Class II Permissive
Change Report

Product Name:

Smart Module

Report Number: 2507W73938E-RF-02

Report Date: 2025-09-05

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REPORT REVISION HISTORY

Number of Revisions	Report No.	Version	Issue Date	Description
0	2507W73938E-RF-02	R1V1	2025-09-05	Class II Permissive Change Report

GENERAL INFORMATION**Product Description for Equipment under Test (EUT)**

Applicant:	FCC: Fujian LANDI Commercial Equipment Co.,Ltd. IC: Fujian LANDI Commercial Equipment Co., Ltd.
Product Name:	Smart Module
Tested Model:	SNM927
HVIN:	SNM927
Multiple Model(s):	N/A
Trade Mark:	N/A
★Power Supply:	DC 3.8V
★Maximum Average Conducted Output Power:	BLE: 2.4 dBm WIFI: 19.4 dBm
Frequency Range:	BLE: 2402-2480MHz Wi-Fi: 2412-2462MHz
Modulation Technique:	BLE: GFSK WIFI: DSSS, OFDM
Antenna Type:	FPC Antenna
★Maximum Antenna Gain:	4.55 dBi
EUT Received Status:	Good
<i>Note:</i> 1. The Maximum Antenna Gain was declared by manufacturer. 2. All measurement and test data in this report was gathered from production sample serial number: 39GR-1 (Assigned by the BACL(Xiamen)). The EUT supplied by the applicant was received on 2025-08-14)	

Objective

This test report is prepared for *Fujian LANDI Commercial Equipment Co.,Ltd.* in accordance with Part 2-Subpart J, Part 15-Subparts A and C of the Federal Communication Commissions's rules and RSS-247 Issue 3, August 2023 and RSS-Gen, Issue 5, February 2021 Amendment 2 of the Innovation, Science and Economic Development Canada.

Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2020 + Cor.1-2023, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices and KDB 558074 D01 15.247 Meas Guidance v05r02.

All tests and measurements indicated in this document were performed in accordance with RSS-247 Issue 3, August 2023 of the Innovation, Science and Economic Development Canada & RSS-Gen, Issue 5, February 2021 Amendment 2: General Requirements for Compliance of Radio Apparatus & ANSI C63.10-2020 + Cor.1-2023: American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

Test Facility

The test site used by Bay Area Compliance Laboratories Corp. (Xiamen) to collect test data is located on the Unit 102, No. 902 Meifeng South Road, Binhai West Avenue, Science and Technology Innovation Park, Torch High tech Zone Xiamen.

Bay Area Compliance Laboratories Corp. (Xiamen) Lab is accredited to ISO/IEC 17025 by A2LA (Certificate Number: 7134.01) and the lab has been recognized as the FCC accredited lab under the KDB 974614 D01, the FCC Designation No. : CN1384.

Bay Area Compliance Laboratories Corp. (Xiamen) Lab is accredited to ISO/IEC 17025 by A2LA (Certificate Number: 7134.01) and the lab has been recognized as the IC accredited lab under the KDB 974614 D01, the IC Designation No. : CN0176.

Measurement Uncertainty

Item		U_{lab}
Conducted Emission	150kHz-30MHz	2.45 dB
Radiated Emission	9kHz-150kHz	2.82dB
	150kHz-30MHz	2.74dB
	30MHz~200MHz	3.47dB
	200MHz~1GHz	4.86dB
	1GHz~6GHz	4.88dB
	6GHz~18GHz	4.95dB
	18GHz~26.5GHz	4.45dB
Transmitter Conducted Power(Conducted RF power)		1.49 dB
Temperature		1 °C
Humidity		5 %
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.

SYSTEM TEST CONFIGURATION

Test Mode and Voltage

The system was configured for testing in a typical mode (as normally used by a typical user).	
Test mode:	Test mode 1: Transmitting
Test voltage:	Test mode 1: AC 120V/60Hz
Remark:	During all emission tests, the EUT was configured to measure its highest possible emission level and the worst case's test data was presented in this test report.

Description of Test Configuration

For BLE mode, 40 channels are provided to testing:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	20	2442
1	2404	21	2444
2	2406	22	2446
3	2408	23	2448
4	2410	24	2450
5	2412	25	2452
6	2414	26	2454
7	2416	27	2456
8	2418	28	2458
9	2420	29	2460
10	2422	30	2462
11	2424	31	2464
12	2426	32	2466
13	2428	33	2468
14	2430	34	2470
15	2432	35	2472
16	2434	36	2474
17	2436	37	2476
18	2438	38	2478
19	2440	39	2480

EUT was tested with Channel 0, 19 and 39.

For 802.11b, 802.11g, 802.11n-HT20, 802.11n-HT40 mode, 11 channels are provided to testing:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2412	8	2447
2	2417	9	2452
3	2422	10	2457
4	2427	11	2462
5	2432	/	/
6	2437	/	/
7	2442	/	/

For 802.11b, 802.11g, 802.11n-HT20 mode, EUT was tested with Channel 1, 6 and 11.

For 802.11n-HT40 mode, EUT was tested with Channel 3, 6 and 9.

Equipment Modifications

No modification was made to the EUT tested.

★EUT Exercise Software

BLE & Wi-Fi test in the engineer mode.

RF Test Tool: QRCT4

The device was tested with the worst case was performed as below:

Test Modes	Test Channels	Test Frequency	Data rate	Power Level Setting
802.11b	Lowest	2412	1Mbps	18
	Middle	2437	1Mbps	18
	Highest	2462	1Mbps	18
802.11g	Lowest	2412	6Mbps	15
	Middle	2437	6Mbps	15
	Highest	2462	6Mbps	15
802.11n20	Lowest	2412	MCS0	14
	Middle	2437	MCS0	14
	Highest	2462	MCS0	14
802.11n40	Lowest	2422	MCS0	13
	Middle	2437	MCS0	13
	Highest	2452	MCS0	13

Mode	Power Level Setting		
	Low channel	Middle channel	High channel
BLE 1Mbps	default	default	default
BLE 2Mbps	default	default	default

Support Equipment List and Details

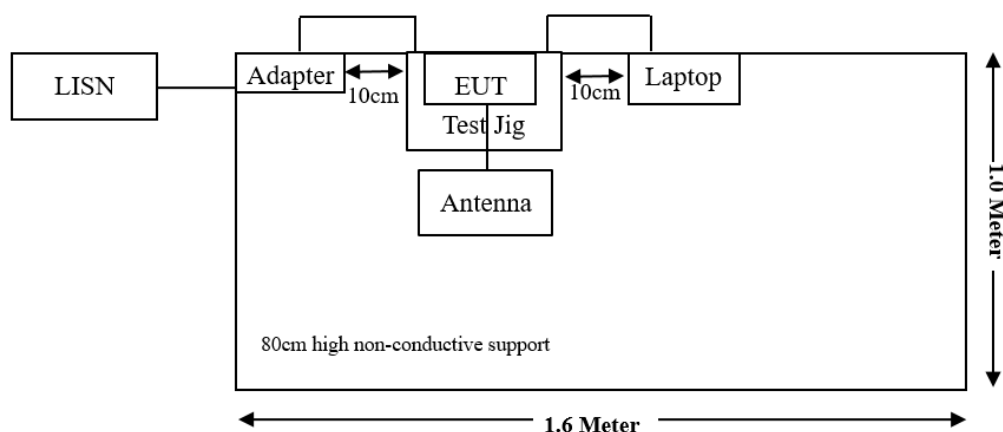
Manufacturer	Description	Model	Serial Number
LITEON	Adapter	PA-1650-57	Unknown
LANDI	Test Jig	Unknown	Unknown
Lenovo	Laptop	T480	PF1P5K4F

External I/O Cable

Cable Description	Length (m)	From Port	To
Power Cable	1.2	Test Jig	Adapter
USB cable	10	Test Jig	Laptop
USB cable	1.0	Test Jig	Laptop

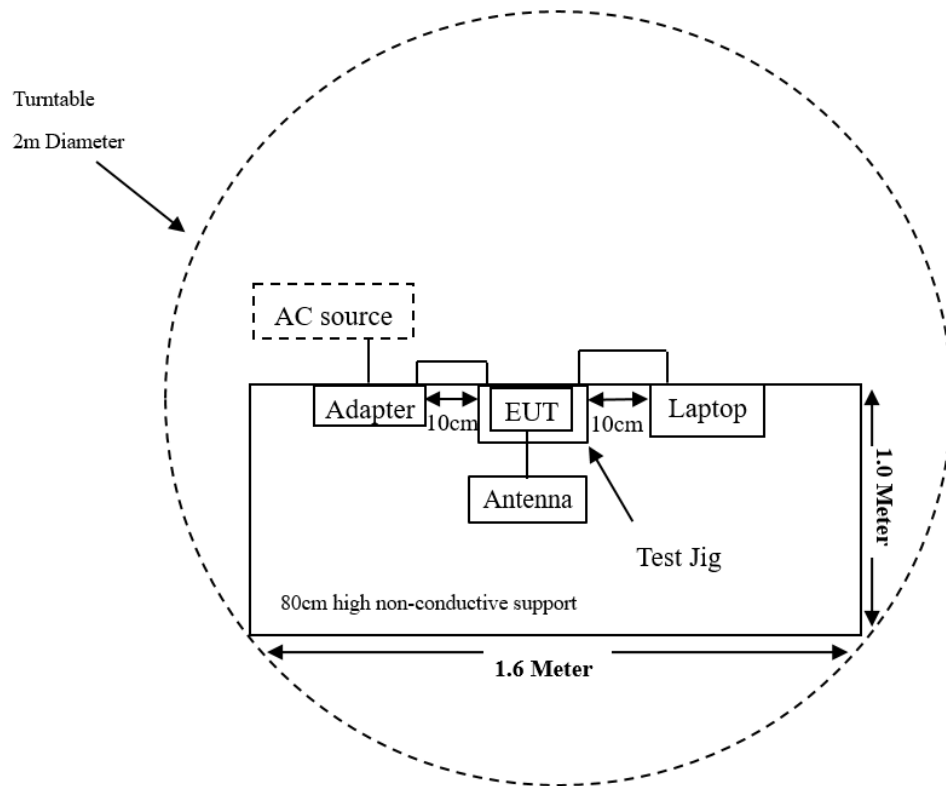
Block Diagram of Test Setup

Conducted Emission:

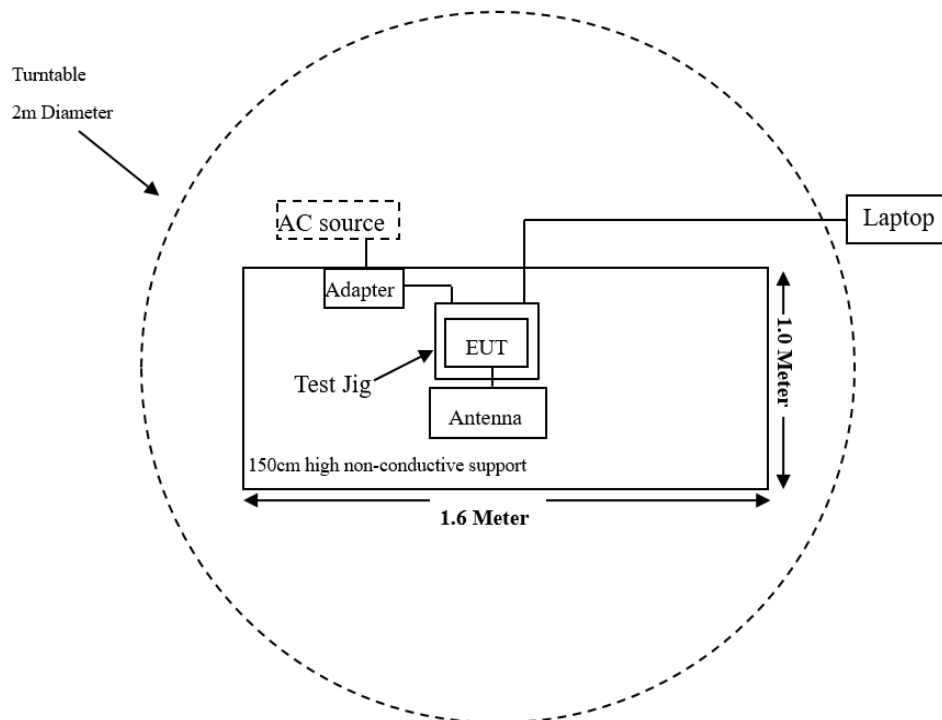


Radiated Emission:

Below 1GHz:



Above 1GHz:



RF Conduction:



Note: The cable assembly insertion loss of 0.5dB was entered as an offset in the power sensor.(Actual cable loss was unavailable at the time of testing, therefore loss of 0.5dB was assumed as worst case.) This was later verified to be true by laboratory.

SUMMARY OF TEST RESULTS

Standard(s)/Rule(s)	Description of Test	Result	Remark
FCC §15.203 RSS-Gen Issue 5 Clause 6.8	Antenna Requirement	Compliant	-
FCC §15.207 (a) RSS-Gen Issue 5 Clause 8.8	AC Line Conducted Emissions	Compliant	-
FCC §15.205, §15.209, §15.247(d) RSS-247 Issue 3 Clause 5.5 RSS-Gen Issue 5 Clause 8.10	Spurious Emissions	Compliant	-
FCC §15.247 (a)(2) RSS-247 Clause 5.2 a)	6 dB Emission Bandwidth	-	See Note 2.1
RSS-Gen Issue 5 Clause 6.7	99% Occupied Bandwidth	-	See Note 2.2
FCC §15.247(b)(3) RSS-247 Clause 5.4 d)	Maximum Conducted Output Power	Reporting	-
FCC §15.247(d) RSS-247 Clause 5.5	100 kHz Bandwidth of Frequency Band Edge	-	See Note 2.3
FCC §15.247(e) RSS-247 Clause 5.2 b)	Power Spectral Density	-	See Note 2.4

Note 1:

This is Class II permissive change application based on the Change ID device, model: SNM927, FCC ID: 2AG6N-SNM927WF4MG, IC: 23725-SNM927WF4MG. The Change ID device based on the original device, model: SNM927, FCC ID: 2APJ4-SNM927, IC: 23860-SNM927 which was tested by Sporton International Inc. (Kunshan). The change between the original equipment and the current equipment is stated and guaranteed by the applicant, as following:

1. Change the antenna.

Per Spot check with RF output power, the RF parameters are identical with the original device. Therefore, AC line conducted emissions and Radiated Spurious Emissions was tested based on the change.

Note 2:

2.1: Please refer to IC Report No: CR462035BTX(BLE)* page 46, 47 & CR462035CTX(2.4G WIFI)* page 41 and FCC Report No.: FR462035B (BLE) * page 46, 47 & FR462035C (2.4G WIFI) * page 40

2.2: Please refer to IC Report No: CR462035BTX(BLE)* page 46, 47 & CR462035CTX(2.4G WIFI)* page 41 and FCC Report No.: FR462035B (BLE) * page 46, 47 & FR462035C (2.4G WIFI) * page 40

2.3: Please refer to IC Report No: CR462035BTX(BLE)* page 28, 29 & CR462035CTX(2.4G WIFI)* page 18, 20, 21, 23, 24, 26, 27, 29 and FCC Report No.: FR462035B (BLE) * page 28, 29 & FR462035C (2.4G WIFI) * page 17, 19, 20, 22, 23, 25, 26, 28

2.4: Please refer to IC Report No: CR462035BTX(BLE)* page 46, 47 & CR462035CTX(2.4G WIFI)* page 43 and FCC Report No.: FR462035B (BLE) * page 46, 47 & FR462035C (2.4G WIFI) * page 42

The Bay Area Compliance Laboratories Corp. (Xiamen) is responsible for all the information provided in this report, except when information is provided by the customer as identified in this report.

TEST EQUIPMENT LIST

Test Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due Date
Conducted Emissions					
EMI Test Receiver	Rohde & Schwarz	ESR	103105	2025/2/20	2026/2/19
LISN	Rohde & Schwarz	ENV216	100129	2025/2/20	2026/2/19
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	0357.8810.54	2025/2/20	2026/2/19
Coaxial Cable	XINHANGWEIBO	XH400T-N-4M	CC001	2025/2/20	2026/2/19
EMI Test software	Audix	E3	18621a	N/A	N/A
Radiated Emissions Below 1GHz					
EMI Test Receiver	Rohde & Schwarz	ESR	103103	2025/2/20	2026/2/19
Loop Antenna	Rohde & Schwarz	HFH2-Z2	830749/001	2023/7/27	2026/7/26
Antenna	Sunol Sciences	JB6	A122022-5	2023/7/27	2026/7/26
Amplifier	Sonoma	310B	120903	2025/2/20	2026/2/19
Coaxial Cable	XINHANGWEIBO	XH400T-N-4M	CC002	2025/2/20	2026/2/19
Coaxial Cable	XINHANGWEIBO	XH460B-N-2M	CC006	2025/2/20	2026/2/19
Coaxial Cable	XINHANGWEIBO	XH460B-N-12M	CC007	2025/2/20	2026/2/19
Coaxial Cable	XINHANGWEIBO	HFH2-CC	335.3609	2025/2/20	2026/2/19
Test Software	Audix	E3	18621a	N/A	N/A
Radiated Emissions Above 1 GHz					
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102051	2025/2/20	2026/2/19
Filter Switch Unit	Decentest	DT7220FSU	DS79904	2025/2/21	2026/2/20
Multiplex Switch Test Control Set	Decentest	DT7220SCU	DS79901	2025/2/21	2026/2/20
Horn Antenna	EMCO	3115	9002-3355	2024/11/19	2027/11/18
Preamplifier	GLOBAL	1313-A100M18G	4121301	2025/1/16	2026/1/15
Coaxial Cable	XINHANGWEIBO	XH800A-N-6M	CC003	2025/2/20	2026/2/19
Coaxial Cable	XINHANGWEIBO	XH800A-N-1M	CC005	2025/2/20	2026/2/19
Horn Antenna	EMCO	3116	9407-2232	2023/7/31	2026/7/30
Preamplifier	A.H.Systems	PAM-1840	200	2025/2/20	2026/2/19
Coaxial Cable	XINHANGWEIBO	XH360A-2.92-3M	CC008	2025/2/20	2026/2/19
Coaxial Cable	XINHANGWEIBO	XH360A-2.92-1M	CC009	2025/2/20	2026/2/19
Test Software	Audix	E3	18621a	N/A	N/A
RF Conducted Test					
USB Wideband Power Sensor	Boonton	55318	8934	2024/9/19	2025/9/18
Coaxial Cable	Lianxun	RF113	N/A	Each time	N/A

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

FCC §15.203 & RSS-Gen Clause 6.8 - 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. The structure and application of the EUT were analyzed to determine compliance with section §15.203 of the rules. §15.203 state that the subject device must meet the following criteria:

- a. Antenna must be permanently attached to the unit.
- b. Antenna must use a unique type of connector to attach to the EUT.
- c. Unit must be professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.

And according to FCC 47 CFR section 15.247 (b), if the transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

According to RSS-Gen Clause 6.8 The applicant for equipment certification shall provide a list of all antenna types that may be used with the transmitter, where applicable (i.e. for transmitters with detachable antenna), indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna. The test report shall demonstrate the compliance of the transmitter with the limit for maximum equivalent isotropically radiated power (e.i.r.p.) specified in the applicable RSS, when the transmitter is equipped with any antenna type, selected from this list.

For expediting the testing, measurements may be performed using only the antenna with highest gain of each combination of transmitter and antenna type, with the transmitter output power set at the maximum level. However, the transmitter shall comply with the applicable requirements under all operational conditions and when in combination with any type of antenna from the list provided in the test report (and in the notice to be included in the user manual, provided below).

When measurements at the antenna port are used to determine the RF output power, the effective gain of the device's antenna shall be stated, based on a measurement or on data from the antenna's manufacturer. The test report shall state the RF power, output power setting and spurious emission measurements with each antenna type that is used with the transmitter being tested.

For licence-exempt equipment with detachable antennas, the user manual shall also contain the following notice in a conspicuous location:

This radio transmitter [enter the device's ISED certification number] has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

Immediately following the above notice, the manufacturer shall provide a list of all antenna types which can be used with the transmitter, indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna type.

Antenna Connector Construction

The EUT has one FPC antenna arrangement for BLE & WIFI, the antenna gain is 4.55dBi, fulfill the requirement of this section. Please refer to the EUT photos.

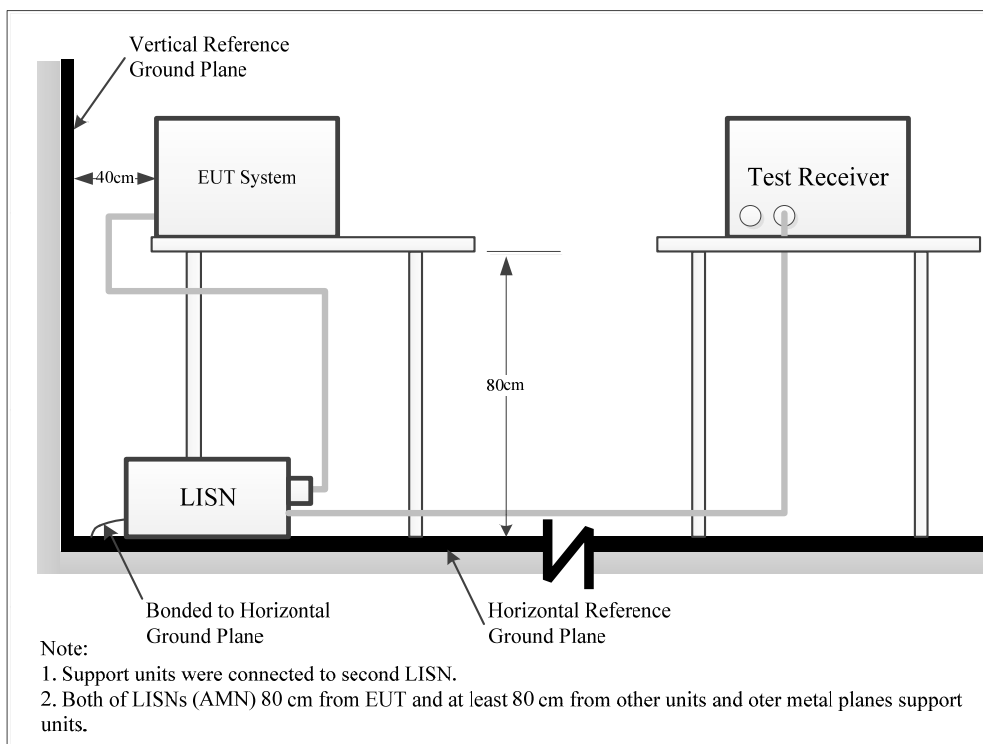
Result: Compliance

FCC §15.207 (a) & RSS-Gen Clause 8.8 – AC LINE CONDUCTED EMISSIONS

Applicable Standard

FCC§15.207, RSS-Gen Clause 8.8

EUT Setup



The setup of EUT is according with per ANSI C63.10-2020 + Cor.1-2023 measurement procedure. The specification used was with the FCC Part 15.207, RSS-Gen limits.

The spacing between the peripherals was 10 cm.

EMI Test Receiver Setup

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

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

During the conducted emission test, the adapter was connected to the outlet of the LISN.

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.

Result & Margin Calculation

The result is calculated by adding LISN VDF (Voltage Division Factor), Cable Loss and Transient Limiter Attenuation from the Meter Reading. The basic equation is as follows:

$$\text{Factor (dB)} = \text{LISN VDF (dB)} + \text{Cable Loss (dB)} + \text{Transient Limiter Attenuation (dB)}$$

$$\text{Result (dB}\mu\text{V)} = \text{Reading (dB}\mu\text{V)} + \text{Factor (dB)}$$

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

$$\text{Margin (dB)} = \text{Limit (dB}\mu\text{V)} - \text{Result (dB}\mu\text{V)}$$

Test Data

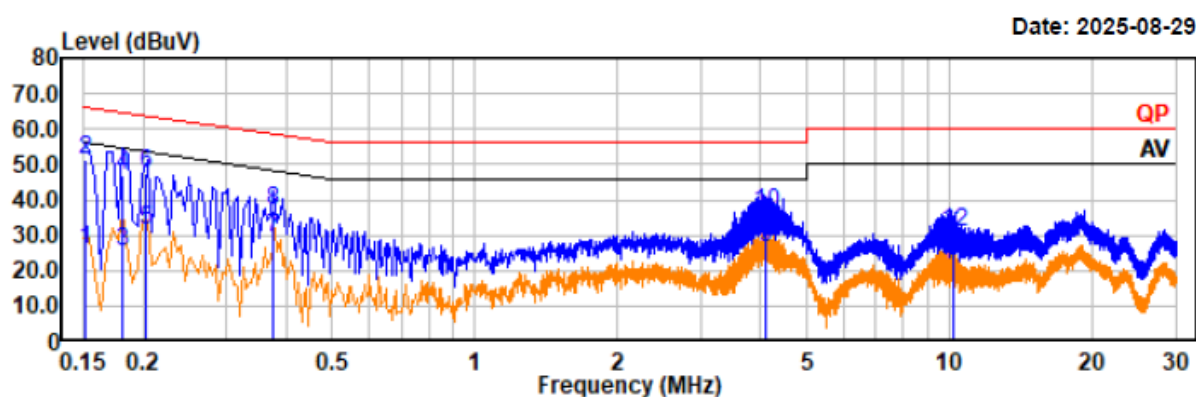
Temperature:	22.7 °C
Relative Humidity:	56 %
ATM Pressure:	100.1 kPa
Test Date:	2025-08-29
Test Engineer:	Wlif Wu

For BLE:

Note: The maximum output power mode: BLE 1Mbps high channel was tested.

Project No.: 2507W73938E-RF
 Test Mode: BLE 1M 2480MHz
 EUT Model: SNM927

Temp/Humi/ATM: 22.7°C/56%/100.1kPa
 Tested by: Wlif Wu
 Power Source: AC 120V/60Hz



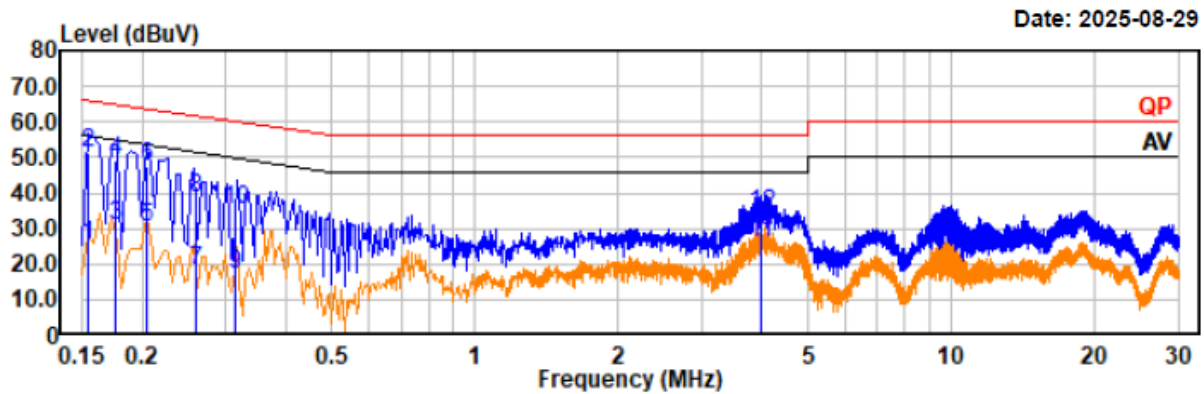
Trace: 1

Condition: IF B/W 9kHz PK/AV

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.151	4.99	21.11	26.10	55.97	29.87	Line	Average
0.151	30.28	21.11	51.39	65.97	14.58	Line	QP
0.180	4.48	21.00	25.48	54.47	28.99	Line	Average
0.180	25.90	21.00	46.90	64.47	17.57	Line	QP
0.202	10.66	20.94	31.60	53.52	21.92	Line	Average
0.202	26.39	20.94	47.33	63.52	16.19	Line	QP
0.374	8.57	20.43	29.00	48.41	19.41	Line	Average
0.374	16.33	20.43	36.76	58.41	21.65	Line	QP
4.096	5.64	20.91	26.55	46.00	19.45	Line	Average
4.096	15.72	20.91	36.63	56.00	19.37	Line	QP
10.168	1.61	20.14	21.75	50.00	28.25	Line	Average
10.168	10.53	20.14	30.67	60.00	29.33	Line	QP

Project No.: 2507W73938E-RF
Test Mode: BLE 1M 2480MHz
EUT Model: SNM927

Temp/Humi/ATM: 22.7°C/56%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

Condition: IF B/W 9kHz PK/AV

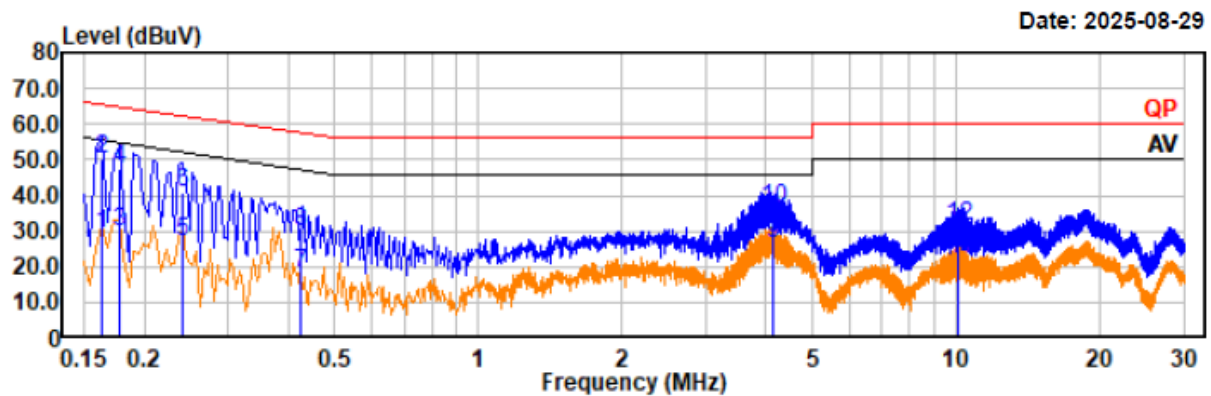
Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.154	4.29	21.18	25.47	55.77	30.30	Neutral	Average
0.154	30.08	21.18	51.26	65.77	14.51	Neutral	QP
0.175	9.60	21.07	30.67	54.71	24.04	Neutral	Average
0.175	28.22	21.07	49.29	64.71	15.42	Neutral	QP
0.204	9.51	20.94	30.45	53.44	22.99	Neutral	Average
0.204	26.64	20.94	47.58	63.44	15.86	Neutral	QP
0.260	-2.68	20.80	18.12	51.44	33.32	Neutral	Average
0.260	17.91	20.80	38.71	61.44	22.73	Neutral	QP
0.314	-3.30	20.67	17.37	49.86	32.49	Neutral	Average
0.314	14.62	20.67	35.29	59.86	24.57	Neutral	QP
3.980	4.98	20.94	25.92	46.00	20.08	Neutral	Average
3.980	13.24	20.94	34.18	56.00	21.82	Neutral	QP

For 2.4G WIFI:

Note: The maximum output power mode: Wifi 802.11b low channel was tested.

Project No.: 2507W73938E-RF
Test Mode: 802.11b 2412MHz
EUT Model: SNM927

Temp/Humi/ATM: 22.7°C/56%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



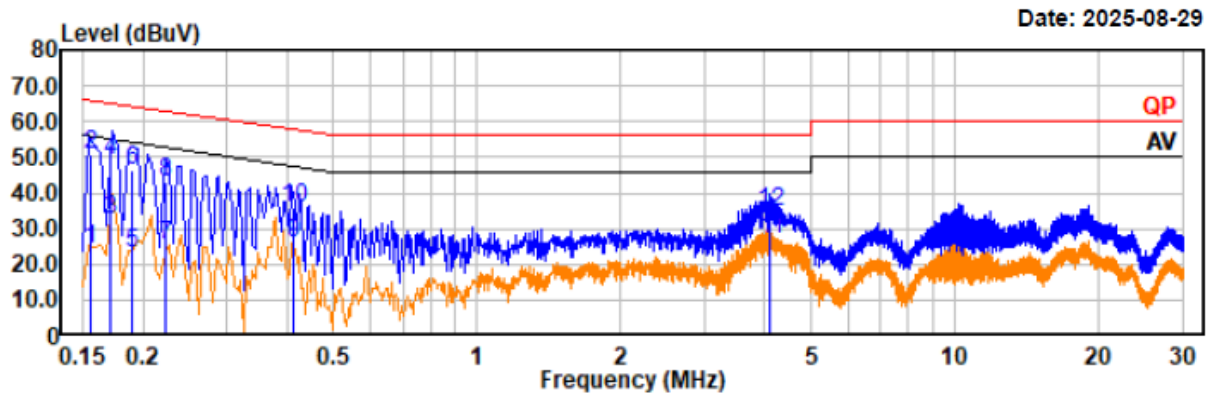
Trace: 1

Condition: IF B/W 9kHz PK/AV

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.163	8.06	21.06	29.12	55.29	26.17	Line	Average
0.163	29.17	21.06	50.23	65.29	15.06	Line	QP
0.177	8.99	21.02	30.01	54.63	24.62	Line	Average
0.177	26.57	21.02	47.59	64.63	17.04	Line	QP
0.240	6.50	20.80	27.30	52.10	24.80	Line	Average
0.240	20.22	20.80	41.02	62.10	21.08	Line	QP
0.426	-1.92	20.32	18.40	47.34	28.94	Line	Average
0.426	9.50	20.32	29.82	57.34	27.52	Line	QP
4.133	5.47	20.90	26.37	46.00	19.63	Line	Average
4.133	15.50	20.90	36.40	56.00	19.60	Line	QP
10.128	2.11	20.14	22.25	50.00	27.75	Line	Average
10.128	11.10	20.14	31.24	60.00	28.76	Line	QP

Project No.: 2507W73938E-RF
 Test Mode: 802.11b 2412MHz
 EUT Model: SNM927

Temp/Humi/ATM: 22.7°C/56%/100.1kPa
 Tested by: Wlif Wu
 Power Source: AC 120V/60Hz



Trace: 1

Condition: IF B/W 9kHz PK/AV

Freq MHz	Reading dBuV	Factor dB	Result dBuV	Limit dBuV	Margin dB	Phase	Remark
0.156	3.33	21.17	24.50	55.69	31.19	Neutral	Average
0.156	29.60	21.17	50.77	65.69	14.92	Neutral	QP
0.171	11.29	21.09	32.38	54.91	22.53	Neutral	Average
0.171	28.13	21.09	49.22	64.91	15.69	Neutral	QP
0.190	2.12	20.99	23.11	54.03	30.92	Neutral	Average
0.190	25.30	20.99	46.29	64.03	17.74	Neutral	QP
0.223	4.70	20.88	25.58	52.72	27.14	Neutral	Average
0.223	22.32	20.88	43.20	62.72	19.52	Neutral	QP
0.412	5.15	20.51	25.66	47.61	21.95	Neutral	Average
0.412	15.47	20.51	35.98	57.61	21.63	Neutral	QP
4.109	5.87	20.91	26.78	46.00	19.22	Neutral	Average
4.109	14.00	20.91	34.91	56.00	21.09	Neutral	QP

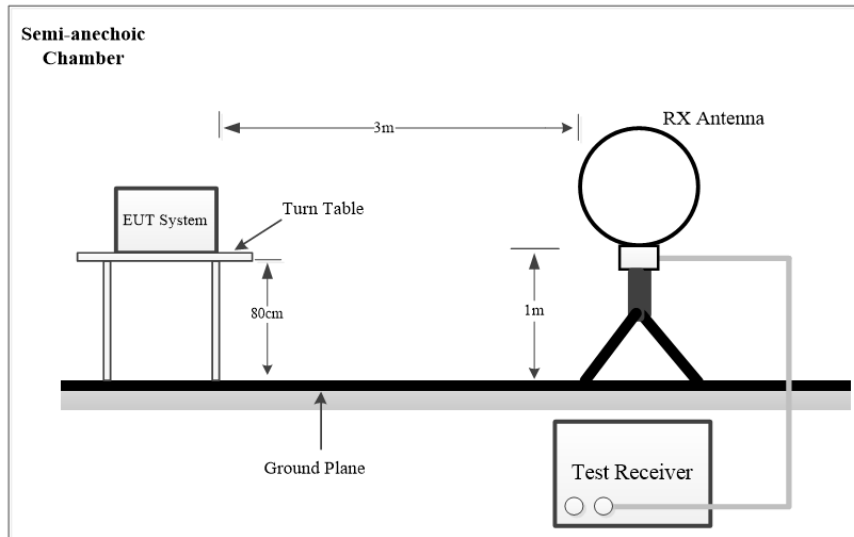
FCC §15.209, §15.205 & §15.247(d) & RSS-247 ISSUE 3 Clause 5.5, RSS-GEN ISSUE5 CLAUSE 8.10 - SPURIOUS EMISSIONS

Applicable Standard

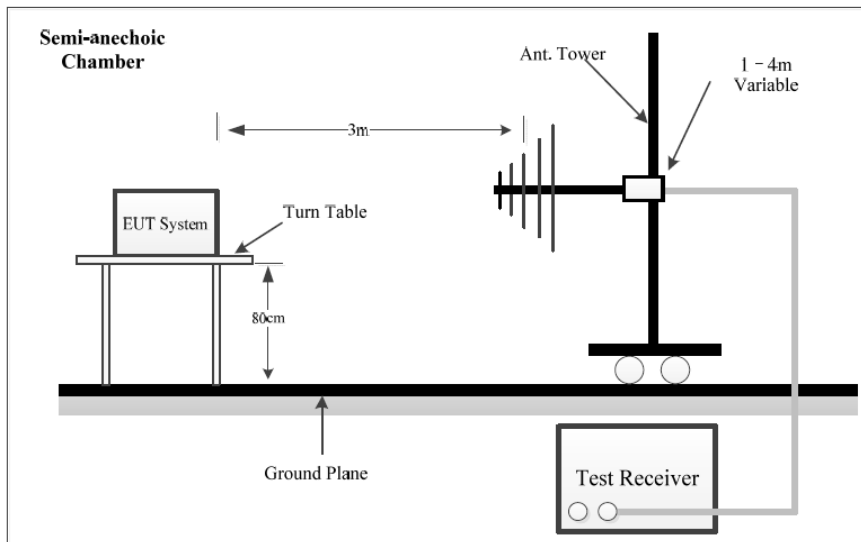
FCC §15.247 (d); §15.209; §15.205; RSS-247 Issue 3 Clause 5.5; RSS-Gen Issue5 Clause 8.10

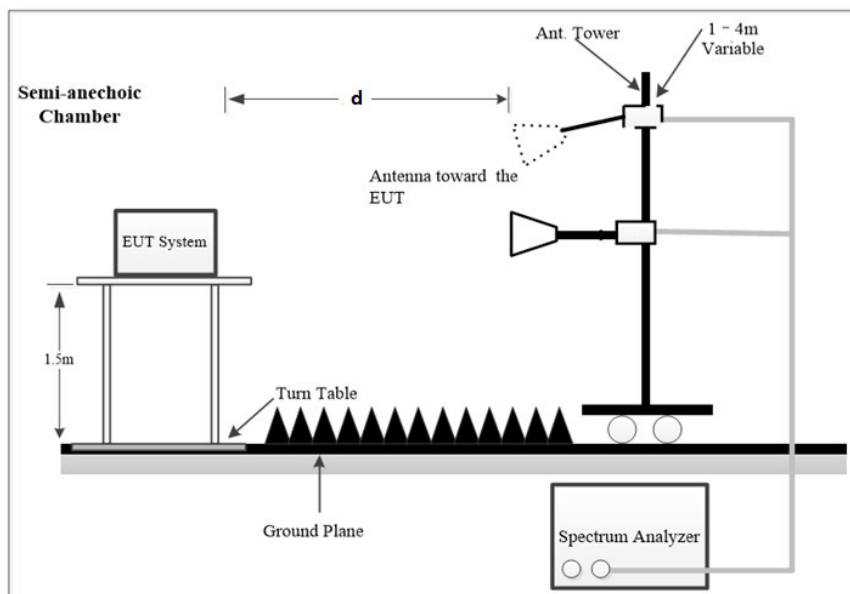
EUT Setup

9 kHz-30MHz:



30MHz -1 GHz:



Above 1GHz:

The radiated emission tests using the setup accordance with the ANSI C63.10-2020 + Cor.1-2023. The specification used was the FCC 15.209, FCC 15.247, RSS-247, RSS-Gen limits.

NOTE: d is testing distance;

For Radiated Emission test (1GHz-18GHz) and Bandedge Emission test, which was performed at 3 m distance.

For Radiated Emission test (18GHz-25GHz), which was performed at 1.5 m distance, according to ANSI C63.10-2020 + Cor.1-2023 the test result shall be extrapolated to the specified distance using an extrapolation Factor of 20dB/decade from 3m to 1.5m.

Distance extrapolation Factor = $20 \log (\text{specific distance [3m]}/\text{test distance [1.5m]})$ dB = 6 dB

EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 9 kHz to 25 GHz.

During the radiated emission test, the EMI test receiver & Spectrum Analyzer Setup were set with the following configurations:

Below 1GHz:

Frequency Range	RBW	VBW	Measurement
9 kHz – 150 kHz	300Hz	1 kHz	PK
	200Hz	/	QP
150 kHz – 30 MHz	10 kHz	30 kHz	PK
	9kHz	/	QP
30 MHz – 1000 MHz	100 kHz	300 kHz	PK
	120kHz	/	QP

Above 1GHz:

Pre-scan:

Duty Cycle	RBW	VBW	Measurement	Detector
Any	1MHz	3MHz	PK	PK
>98%	1MHz	5kHz	AV	PK
<98%	1MHz	1/T, not less than 5kHz	AV	PK

Final measurement for emission identified during the pre-scan:

Duty Cycle	RBW	VBW	Measurement	Detector
Any	1MHz	3MHz	PK	PK
>98%	1MHz	10Hz	AV	PK
<98%	1MHz	1/T	AV	PK

Note: T is minimum transmission duration

Test Procedure

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

For each measurement antenna alignment, the EUT shall be rotated through 0° to 360° on a turntable. The report shall list the six emissions with the smallest margin relative to the limit, for each of the three antenna orientations (parallel, perpendicular, and ground parallel) unless the margin is greater than 20 dB, then the following statement shall be made: "all emissions were greater than 20 dB below the limit."

Below 1GHz, if the measured peak level of the emissions that the measuring receiver reading level plus corrected factor is at least 6 dB below the QP emission limit, there's no need to record the measured QP level of the emissions in the report.

Above 1GHz, if the measured peak level of the emissions that the measuring receiver reading level plus corrected factor is below the AV emission limit, there's no need to record the measured AV level of the emissions in the report.

Result & Margin Calculation

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

For 9 kHz to 18GHz Radiated emission test and Bandedge emissions test

$$\text{Factor (dB/m)} = \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} - \text{Amplifier Gain (dB)}$$

For 18GHz to 25GHz Radiated emission test

$$\text{Factor (dB/m)} = \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} - \text{Amplifier Gain (dB)} - \text{Extrapolation factor (dB)}$$

$$\text{Extrapolation factor} = 6 \text{ dB (distance} = 1.5\text{m)}$$

$$\text{Result (dB}\mu\text{V/m)} = \text{Reading (dB}\mu\text{V)} + \text{Factor (dB/m)}$$

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

$$\text{Margin (dB)} = \text{Limit (dB}\mu\text{V/m)} - \text{Result (dB}\mu\text{V/m)}$$

The spurious emission from 9 kHz-30MHz of IC RSS-Gen standard, the unit of final result on the test plots are dB μ V/m, so the limit should be added by 51.5dB from dB μ A/m to dB μ V/m.

Test Data

Please refer to the below table and plots.

Frequency Range:	Below 1 GHz	Above 1 GHz
Temperature:	22.1°C~23.1°C	22.1°C
Relative Humidity:	57%~58%	58%
ATM Pressure:	100.1kPa	100.1kPa
Test Date:	2025-08-19~2025-08-31	2025-08-19
Test Engineer:	Wlif Wu	Wlif Wu

Note: Pre-scan in the X, Y and Z axes of orientation, the worst case Z-axis of orientation was recorded.

1) 9 kHz~30MHz

Pre-scan in parallel, ground-parallel and perpendicular of orientation of loop antenna, parallel is worst case.

For BLE:

Note: The maximum output power mode: BLE 1Mbps high channel was tested.

Project No.: 2507W73938E-RF

Temp/Humi/ATM: 23.1°C/57%/100.1kPa

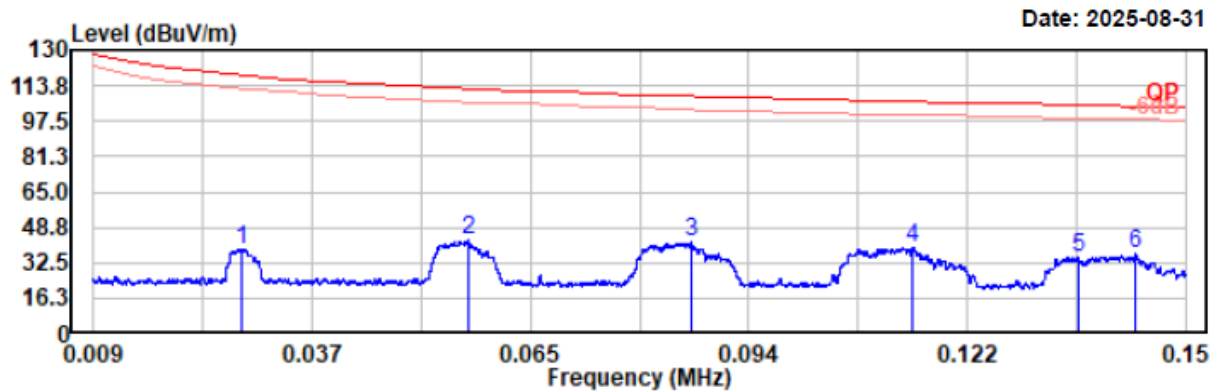
Test Mode: BLE 1M 2480MHz

Tested by: Wlif Wu

EUT Model: SNM927

Power Source: AC 120V/60Hz

Test distance: 3m

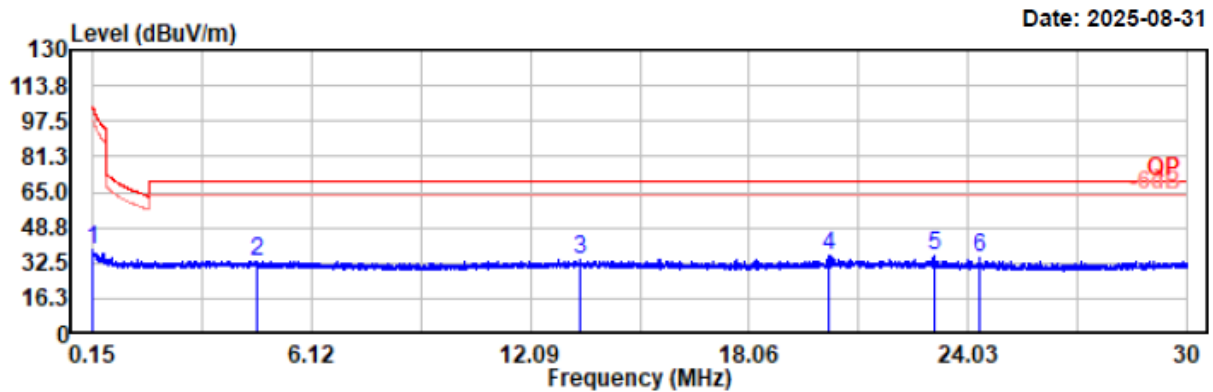


Condition: PK RBW:300Hz VBW:1kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
0.028	18.93	19.89	38.82	118.62	79.80	Peak
0.057	22.72	19.91	42.63	112.43	69.80	Peak
0.086	22.21	19.77	41.98	108.91	66.93	Peak
0.115	19.81	19.73	39.54	106.40	66.86	Peak
0.136	15.64	19.73	35.37	104.93	69.56	Peak
0.143	16.60	19.73	36.33	104.47	68.14	Peak

Project No.: 2507W73938E-RF
Test Mode: BLE 1M 2480MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 23.1°C/57%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Condition: PK RBW:10kHz VBW:30kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
0.150	18.98	19.72	38.70	104.08	65.38	Peak
4.636	13.84	19.71	33.55	69.54	35.99	Peak
13.430	14.13	19.74	33.87	69.54	35.67	Peak
20.257	15.57	20.10	35.67	69.54	33.87	Peak
23.129	15.69	20.17	35.86	69.54	33.68	Peak
24.352	14.42	20.21	34.63	69.54	34.91	Peak

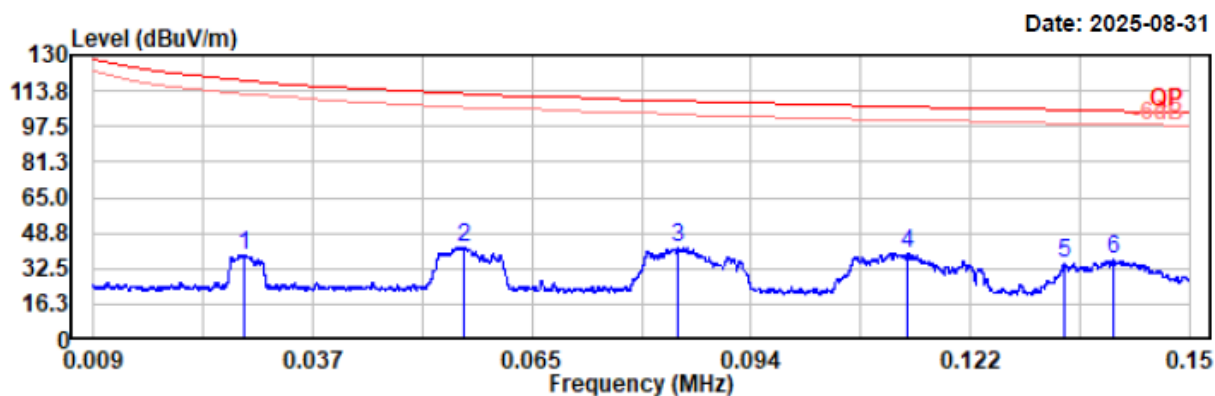
Note: $dBuV/m = dBuA/m + 51.5dB$

For 2.4G WIFI:

Note: The maximum output power mode: Wifi 802.11b low channel was tested.

Project No.: 2507W73938E-RF
Test Mode: 802.11b 2412MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 23.1°C/57%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

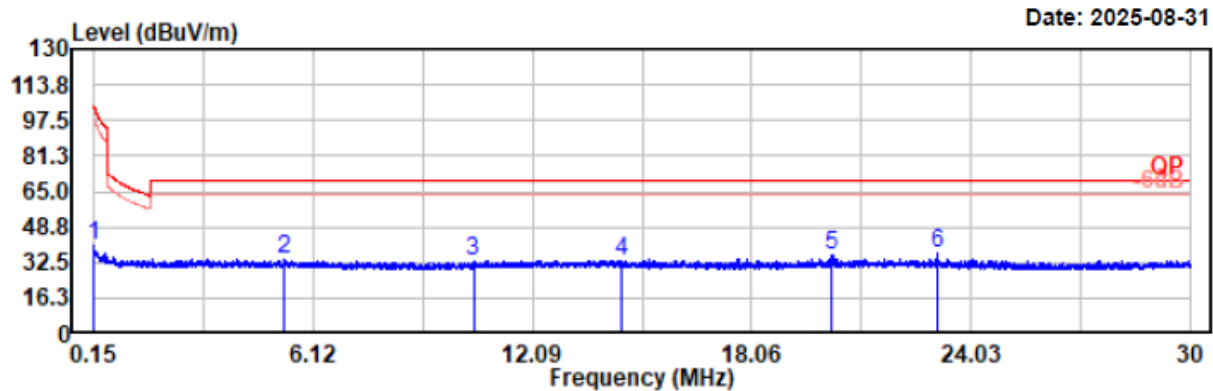


Condition: PK RBW:300Hz VBW:1kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
0.028	18.84	19.89	38.73	118.55	79.82	Peak
0.057	22.50	19.91	42.41	112.56	70.15	Peak
0.084	22.26	19.75	42.01	109.10	67.09	Peak
0.114	19.81	19.73	39.54	106.48	66.94	Peak
0.134	15.09	19.73	34.82	105.07	70.25	Peak
0.140	16.88	19.73	36.61	104.67	68.06	Peak

Project No.: 2507W73938E-RF
Test Mode: 802.11b 2412MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 23.1°C/57%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Condition: PK RBW:10kHz VBW:30kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
0.159	20.31	19.72	40.03	103.58	63.55	Peak
5.308	14.02	19.71	33.73	69.54	35.81	Peak
10.481	13.65	19.71	33.36	69.54	36.18	Peak
14.490	13.66	19.75	33.41	69.54	36.13	Peak
20.257	15.61	20.10	35.71	69.54	33.83	Peak
23.129	16.54	20.17	36.71	69.54	32.83	Peak

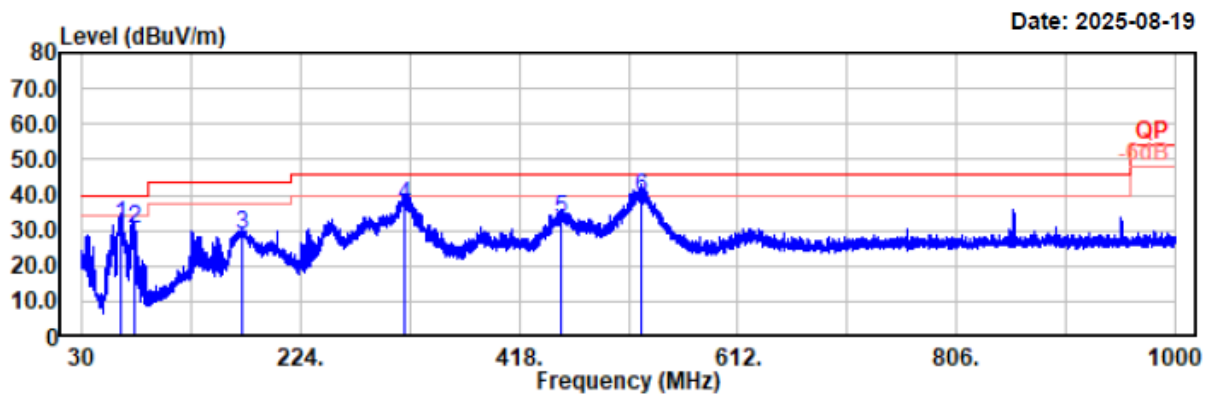
Note: $dBuV/m = dBuA/m + 51.5dB$

2) 30MHz -1GHz**For BLE:**

Note: The maximum output power mode: BLE 1Mbps high channel was tested.

Project No.: 2507W73938E-RF
Test Mode: BLE 1M 2480MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

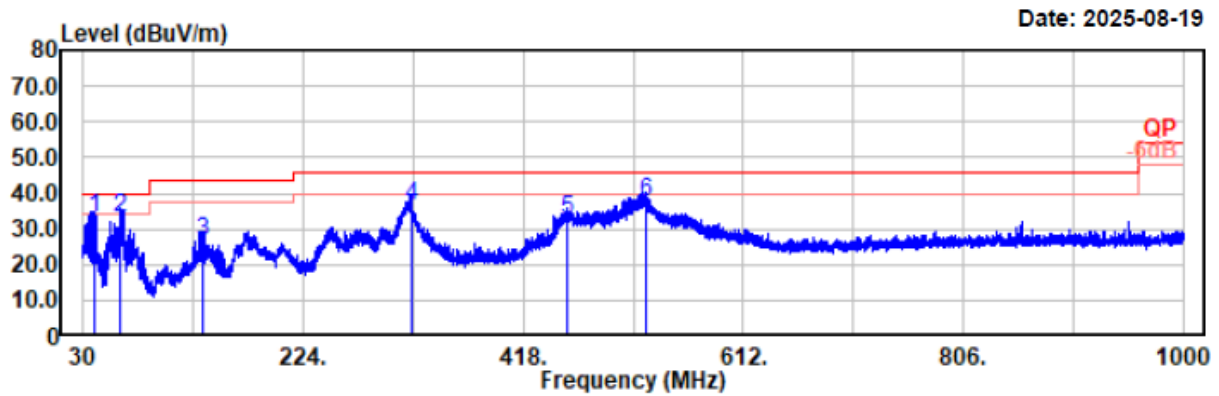


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
64.14	49.04	-17.34	31.70	40.00	8.30	Horizontal	QP
75.88	47.56	-17.16	30.40	40.00	9.60	Horizontal	Peak
172.49	40.59	-11.94	28.65	43.50	14.85	Horizontal	Peak
315.47	46.08	-8.88	37.20	46.00	8.80	Horizontal	QP
455.25	37.57	-4.70	32.87	46.00	13.13	Horizontal	Peak
526.16	42.35	-3.34	39.01	46.00	6.99	Horizontal	QP

Project No.: 2507W73938E-RF
Test Mode: BLE 1M 2480MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Condition: PK RBW:100kHz VBW:300kHz SWT:auto

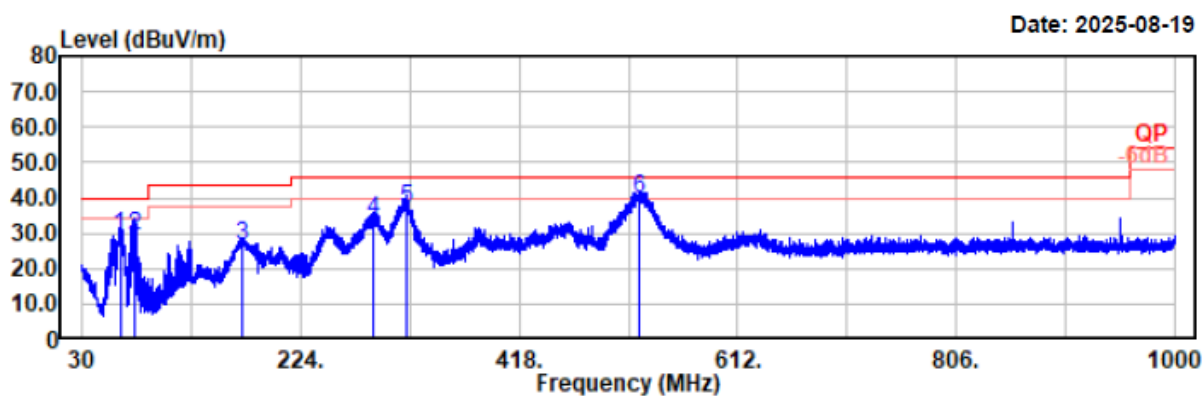
Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
40.96	45.26	-12.30	32.96	40.00	7.04	Vertical	QP
63.08	50.47	-17.36	33.11	40.00	6.89	Vertical	QP
134.95	36.73	-10.33	26.40	43.50	17.10	Vertical	Peak
319.35	45.05	-8.78	36.27	46.00	9.73	Vertical	Peak
457.29	37.31	-4.69	32.62	46.00	13.38	Vertical	Peak
525.57	40.67	-3.36	37.31	46.00	8.69	Vertical	QP

For 2.4G WIFI:

Note: The maximum output power mode: Wifi 802.11b low channel was tested.

Project No.: 2507W73938E-RF
Test Mode: 802.11b 2412MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

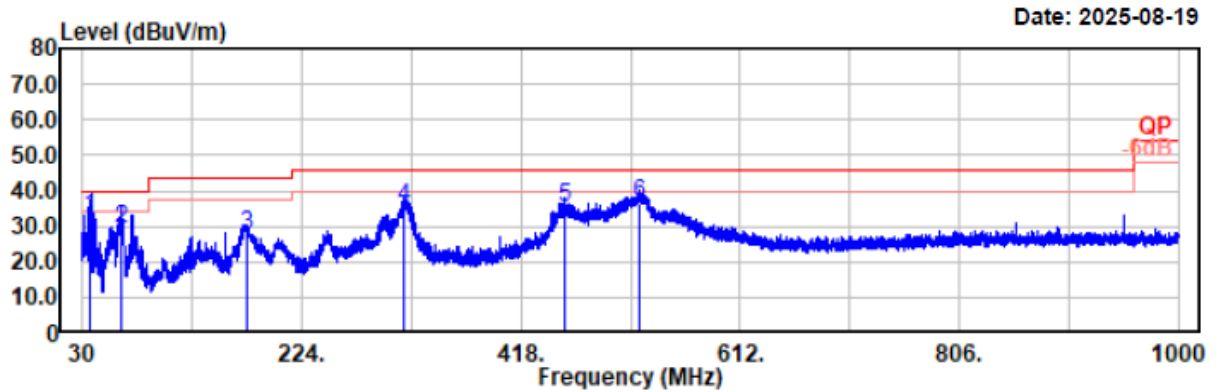


Condition: PK RBW:100kHz VBW:300kHz SwT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
63.56	46.59	-17.36	29.23	40.00	10.77	Horizontal	Peak
77.43	46.25	-17.14	29.11	40.00	10.89	Horizontal	QP
172.40	38.56	-11.94	26.62	43.50	16.88	Horizontal	Peak
287.73	43.08	-9.25	33.83	46.00	12.17	Horizontal	Peak
317.41	45.91	-8.83	37.08	46.00	8.92	Horizontal	QP
524.02	43.02	-3.38	39.64	46.00	6.36	Horizontal	QP

Project No.: 2507W73938E-RF
Test Mode: 802.11b 2412MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Condition: PK RBW:100kHz VBW:300kHz SWT:auto

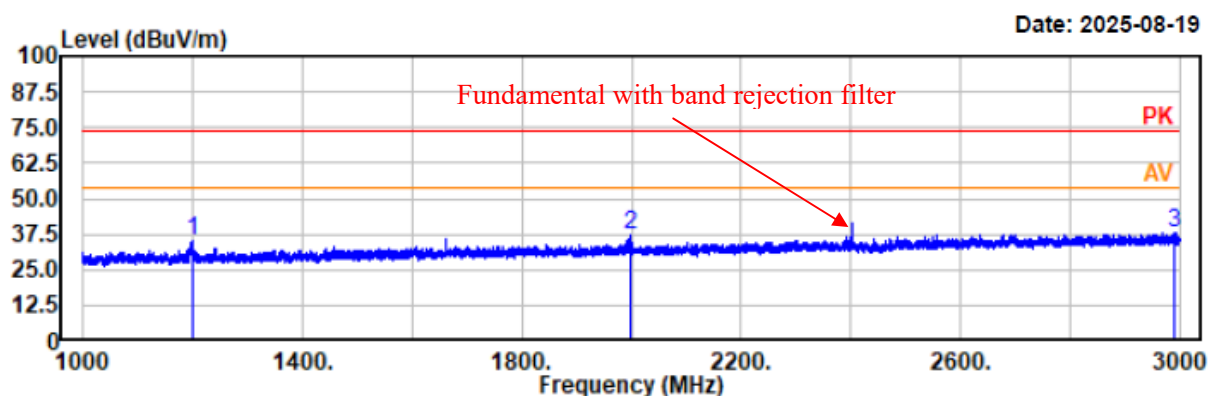
Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
36.11	41.15	-8.81	32.34	40.00	7.66	Vertical	QP
63.95	46.60	-17.35	29.25	40.00	10.75	Vertical	QP
175.02	39.55	-12.12	27.43	43.50	16.07	Vertical	Peak
314.79	44.11	-8.89	35.22	46.00	10.78	Vertical	Peak
457.29	39.73	-4.69	35.04	46.00	10.96	Vertical	Peak
522.95	39.72	-3.39	36.33	46.00	9.67	Vertical	QP

3) 1GHz~3GHz

For BLE:

Project No.: 2507W73938E-RF
Test Mode: BLE 1M 2402MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

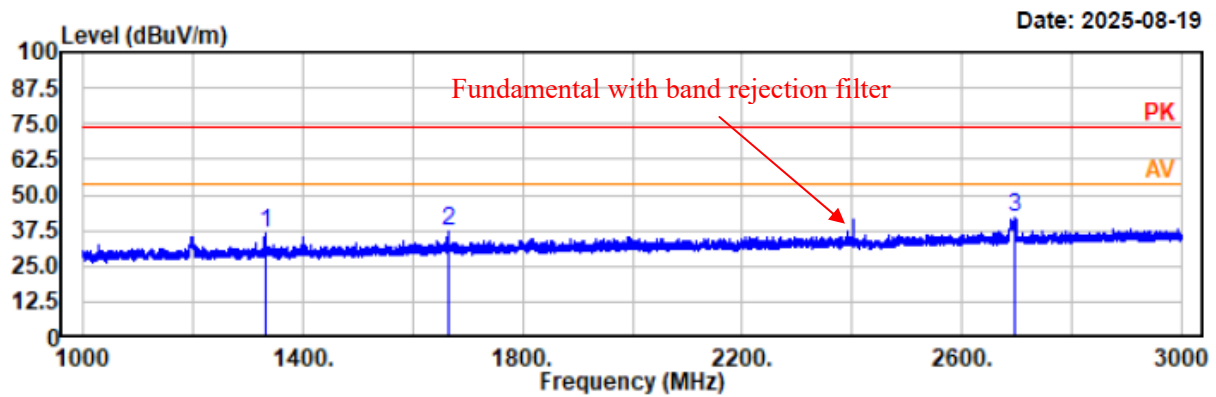


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
1199.60	50.55	-15.11	35.44	74.00	38.56	horizontal	Peak
1997.20	49.50	-12.56	36.94	74.00	37.06	horizontal	Peak
2988.40	47.25	-9.01	38.24	74.00	35.76	horizontal	Peak

Project No.: 2507W73938E-RF
Test Mode: BLE 1M 2402MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

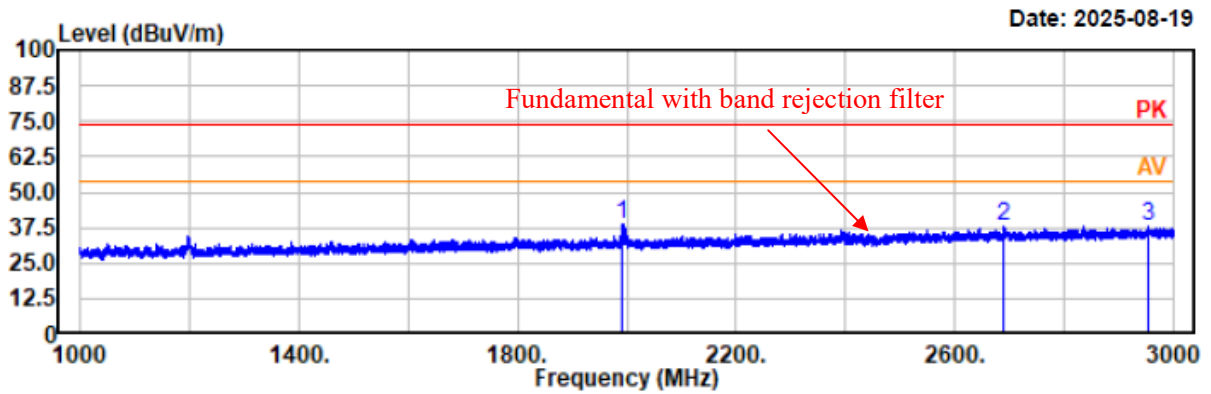


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
1331.00	51.65	-14.94	36.71	74.00	37.29	vertical	Peak
1663.80	51.22	-13.74	37.48	74.00	36.52	vertical	Peak
2696.80	52.24	-10.01	42.23	74.00	31.77	vertical	Peak

Project No.: 2507W73938E-RF
Test Mode: BLE 1M 2440MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

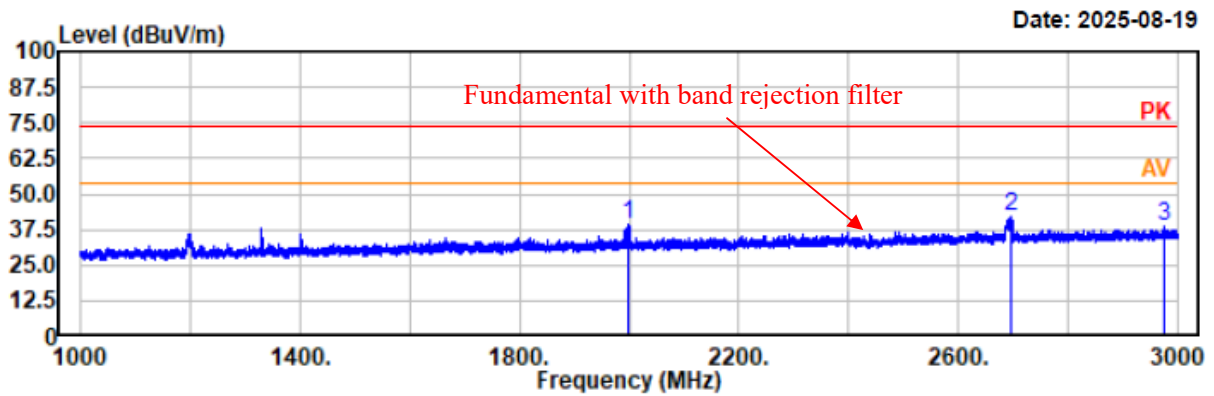


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
1991.20	51.47	-12.60	38.87	74.00	35.13	horizontal	Peak
2689.60	48.06	-10.04	38.02	74.00	35.98	horizontal	Peak
2953.60	46.98	-9.19	37.79	74.00	36.21	horizontal	Peak

Project No.: 2507W73938E-RF
Test Mode: BLE 1M 2440MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

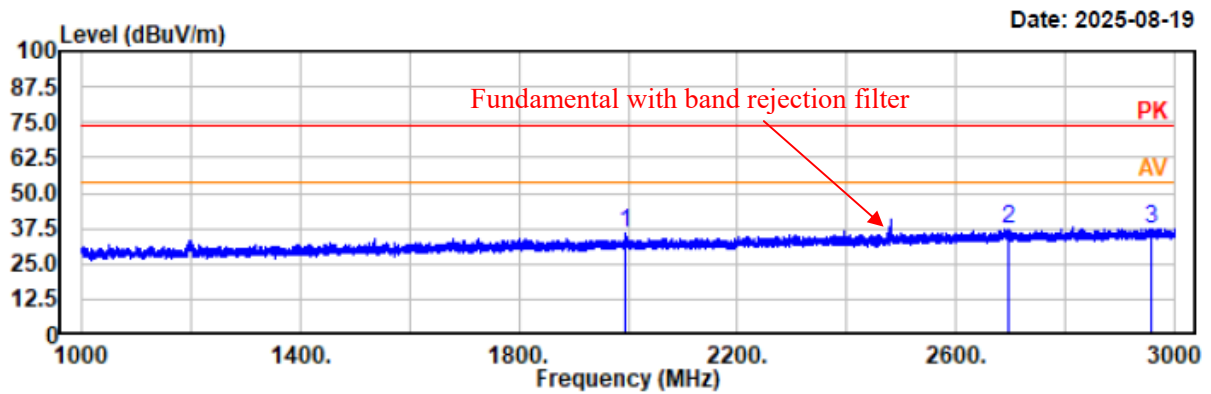


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
1997.00	52.12	-12.56	39.56	74.00	34.44	vertical	Peak
2698.00	51.89	-10.01	41.88	74.00	32.12	vertical	Peak
2974.80	48.02	-9.07	38.95	74.00	35.05	vertical	Peak

Project No.: 2507W73938E-RF
Test Mode: BLE 1M 2480MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

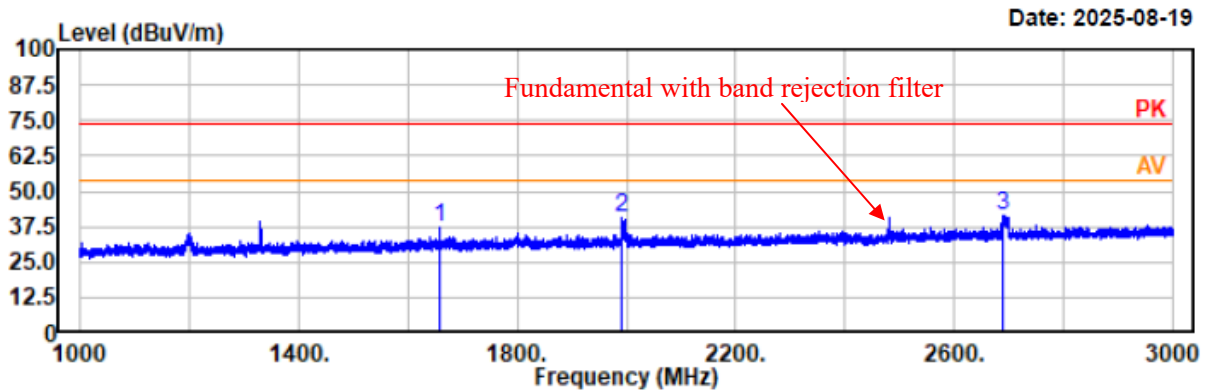


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
1994.60	48.19	-12.57	35.62	74.00	38.38	horizontal	Peak
2696.20	47.27	-10.02	37.25	74.00	36.75	horizontal	Peak
2956.60	46.75	-9.17	37.58	74.00	36.42	horizontal	Peak

Project No.: 2507W73938E-RF
Test Mode: BLE 1M 2480MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

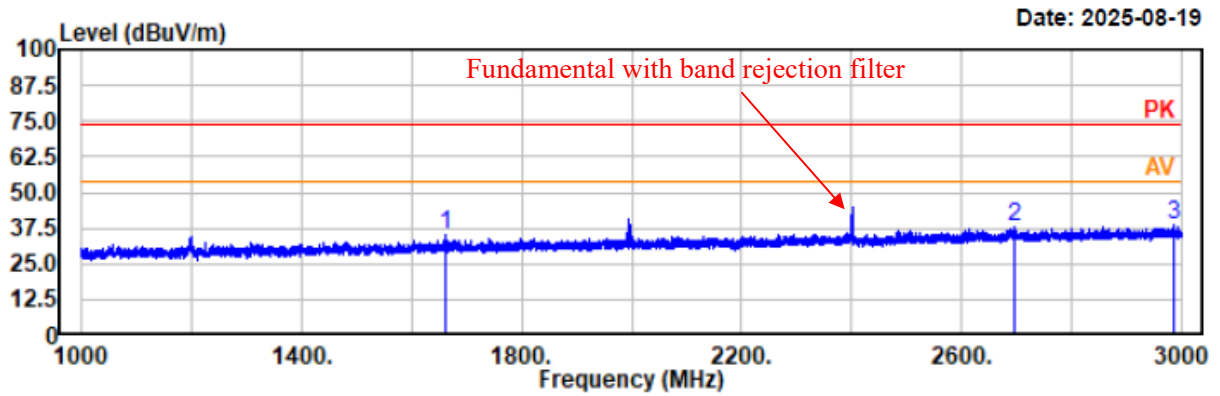


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
1659.00	51.29	-13.76	37.53	74.00	36.47	vertical	Peak
1991.80	53.38	-12.58	40.80	74.00	33.20	vertical	Peak
2689.00	51.38	-10.04	41.34	74.00	32.66	vertical	Peak

Project No.: 2507W73938E-RF
Test Mode: BLE 2M 2402MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

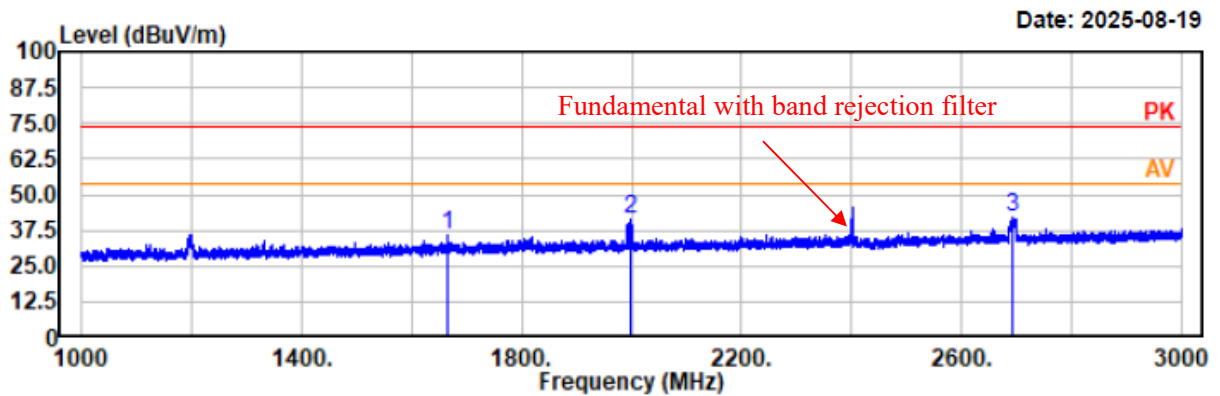


Condition: PK RBW:1MHz VBW:3MHz SwT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
1663.00	49.00	-13.75	35.25	74.00	38.75	horizontal	Peak
2696.60	47.94	-10.01	37.93	74.00	36.07	horizontal	Peak
2987.00	47.44	-9.01	38.43	74.00	35.57	horizontal	Peak

Project No.: 2507W73938E-RF
Test Mode: BLE 2M 2402MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

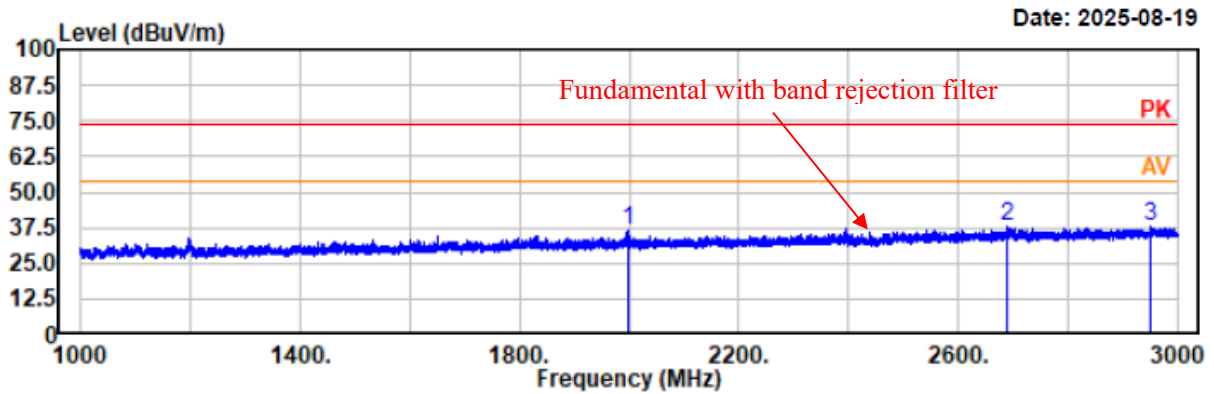


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBUV	Factor dB/m	Result dBUV/m	Limit dBUV/m	Margin dB	Polarity	Remark
1665.80	49.50	-13.74	35.76	74.00	38.24	vertical	Peak
1997.20	54.19	-12.56	41.63	74.00	32.37	vertical	Peak
2694.00	52.18	-10.02	42.16	74.00	31.84	vertical	Peak

Project No.: 2507W73938E-RF
Test Mode: BLE 2M 2440MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

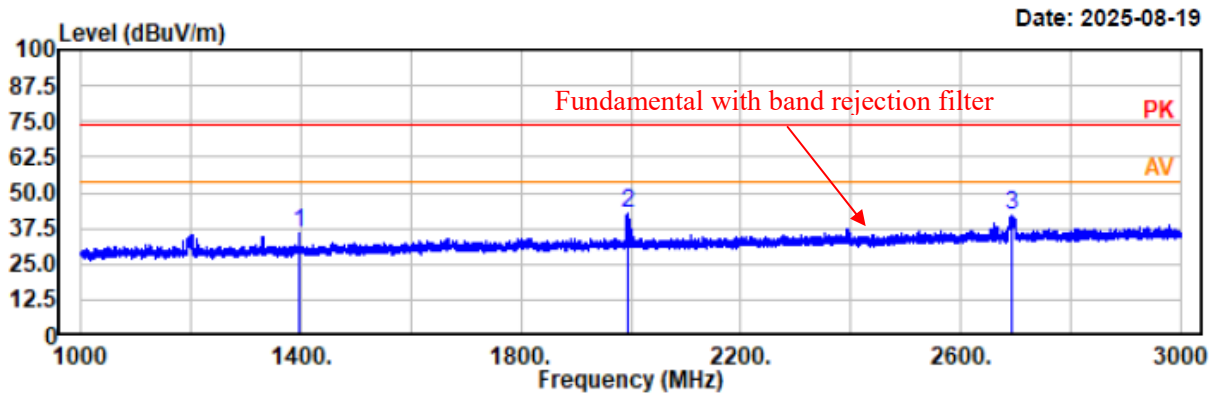


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBUV	Factor dB/m	Result dBUV/m	Limit dBUV/m	Margin dB	Polarity	Remark
1999.80	48.95	-12.55	36.40	74.00	37.60	horizontal	Peak
2689.60	47.76	-10.04	37.72	74.00	36.28	horizontal	Peak
2952.00	47.02	-9.19	37.83	74.00	36.17	horizontal	Peak

Project No.: 2507W73938E-RF
Test Mode: BLE 2M 2440MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

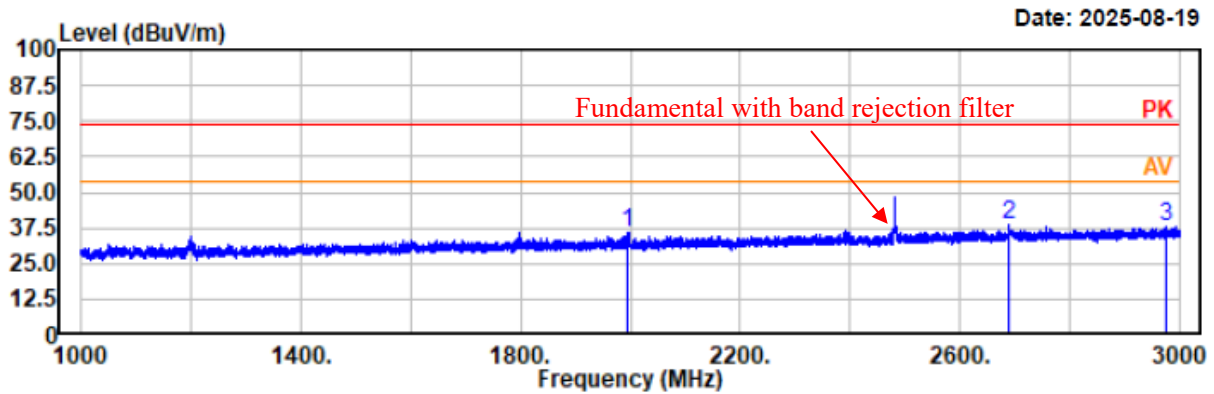


Condition: PK RBW:1MHz VBW:3MHz SwT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
1397.20	50.36	-14.68	35.68	74.00	38.32	vertical	Peak
1995.00	55.30	-12.57	42.73	74.00	31.27	vertical	Peak
2692.40	51.98	-10.03	41.95	74.00	32.05	vertical	Peak

Project No.: 2507W73938E-RF
Test Mode: BLE 2M 2480MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

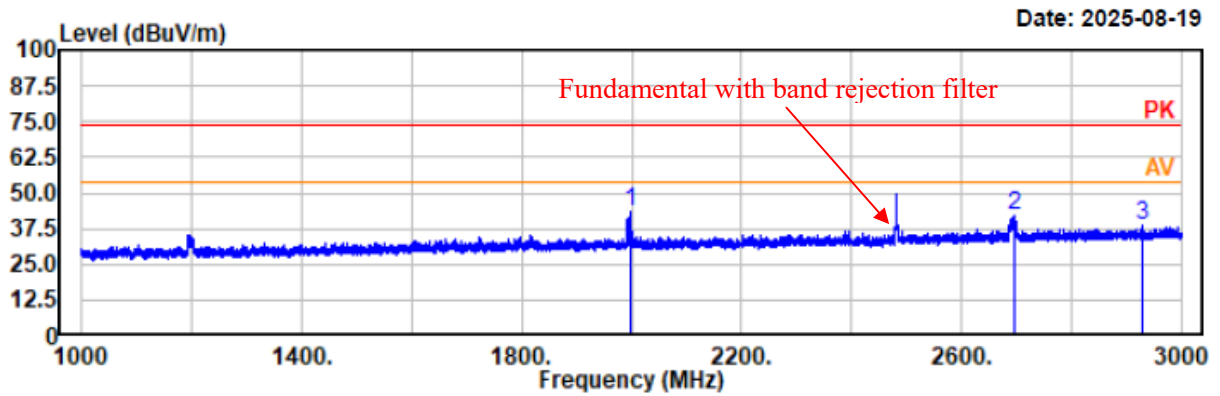


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBUV	Factor dB/m	Result dBUV/m	Limit dBUV/m	Margin dB	Polarity	Remark
1996.00	48.48	-12.57	35.91	74.00	38.09	horizontal	Peak
2688.40	48.77	-10.05	38.72	74.00	35.28	horizontal	Peak
2974.40	46.80	-9.07	37.73	74.00	36.27	horizontal	Peak

Project No.: 2507W73938E-RF
Test Mode: BLE 2M 2480MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



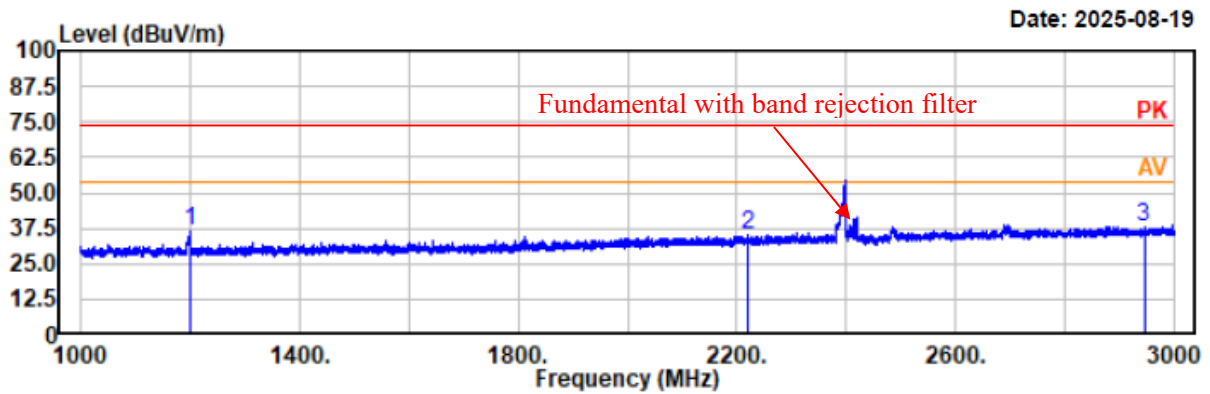
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
1999.40	56.22	-12.55	43.67	74.00	30.33	vertical	Peak
2694.80	52.11	-10.02	42.09	74.00	31.91	vertical	Peak
2929.40	48.20	-9.34	38.86	74.00	35.14	vertical	Peak

For 2.4G WIFI:

Project No.: 2507W73938E-RF
Test Mode: 802.11b 2412MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

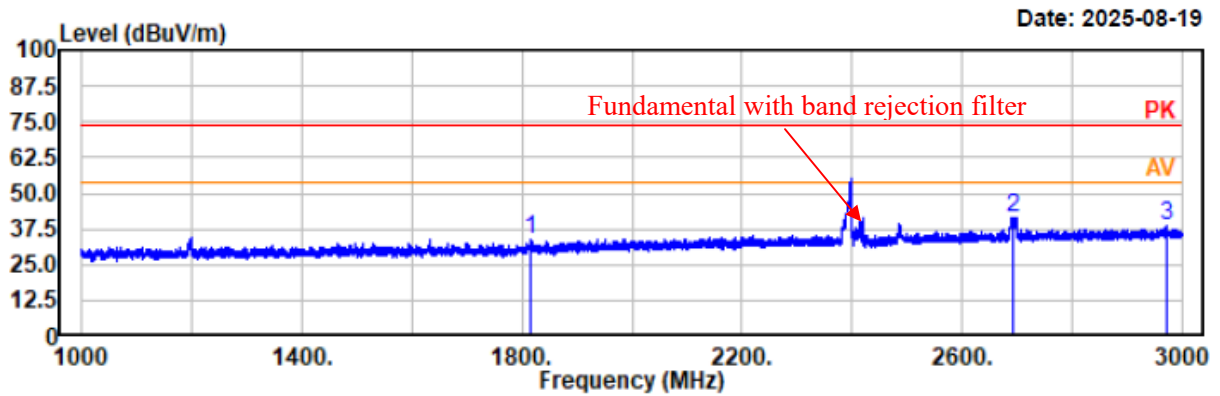


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
1199.80	51.98	-15.11	36.87	74.00	37.13	horizontal	Peak
2219.40	47.33	-11.89	35.44	74.00	38.56	horizontal	Peak
2945.20	47.33	-9.24	38.09	74.00	35.91	horizontal	Peak

Project No.: 2507W73938E-RF
Test Mode: 802.11b 2412MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

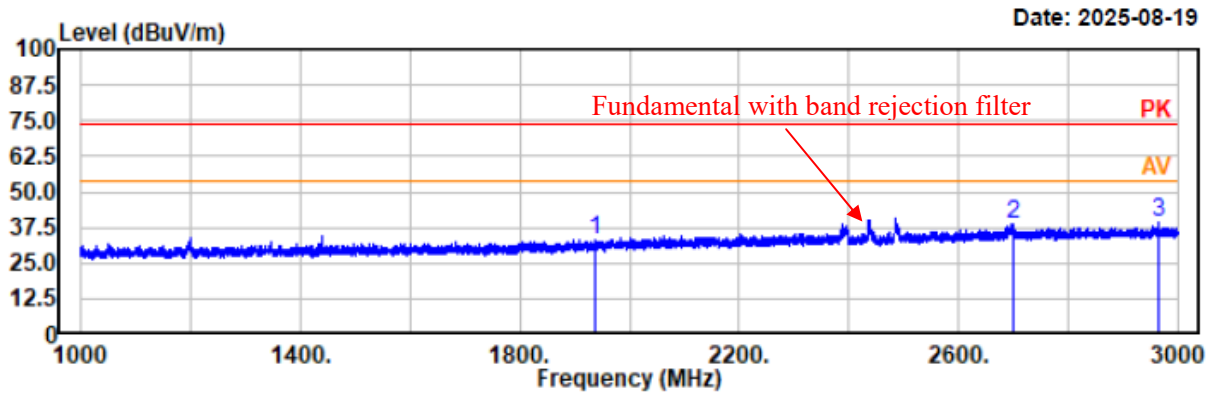


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
1816.60	46.98	-13.18	33.80	74.00	40.20	vertical	Peak
2691.60	51.61	-10.03	41.58	74.00	32.42	vertical	Peak
2970.40	47.40	-9.10	38.30	74.00	35.70	vertical	Peak

Project No.: 2507W73938E-RF
Test Mode: 802.11b 2437MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

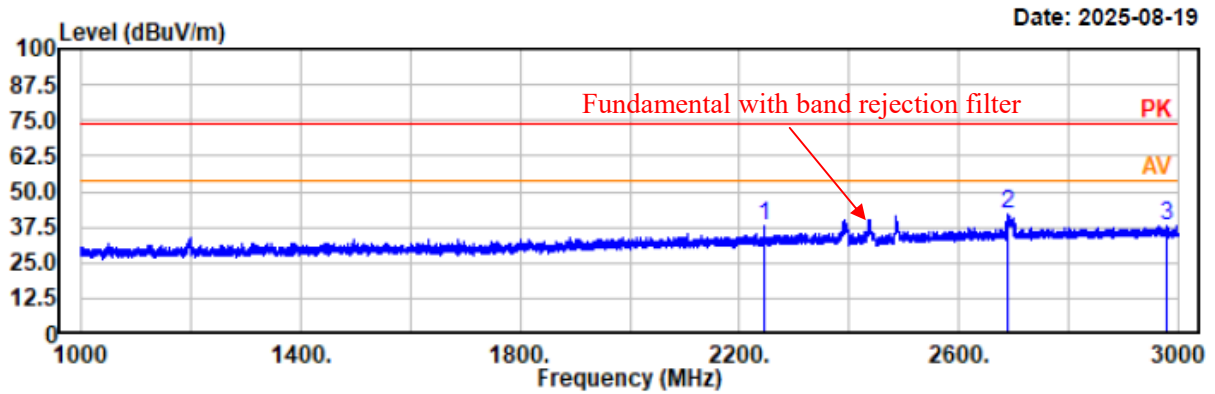


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
1938.00	46.03	-12.81	33.22	74.00	40.78	horizontal	Peak
2699.40	48.55	-10.00	38.55	74.00	35.45	horizontal	Peak
2965.60	48.23	-9.12	39.11	74.00	34.89	horizontal	Peak

Project No.: 2507W73938E-RF
Test Mode: 802.11b 2437MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

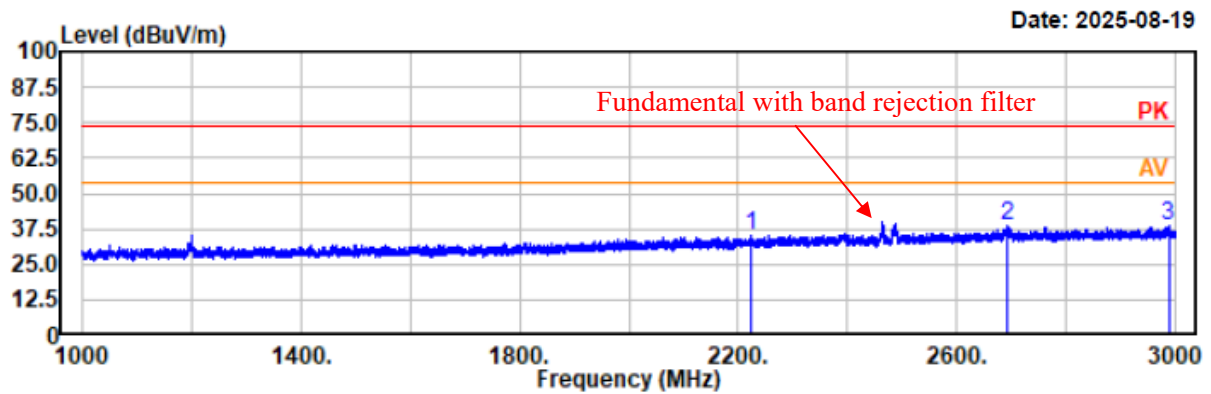


Condition: PK RBW:1MHz VBW:3MHz SwT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2244.00	49.55	-11.80	37.75	74.00	36.25	vertical	Peak
2689.00	52.23	-10.04	42.19	74.00	31.81	vertical	Peak
2978.80	46.98	-9.05	37.93	74.00	36.07	vertical	Peak

Project No.: 2507W73938E-RF
Test Mode: 802.11b 2462MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

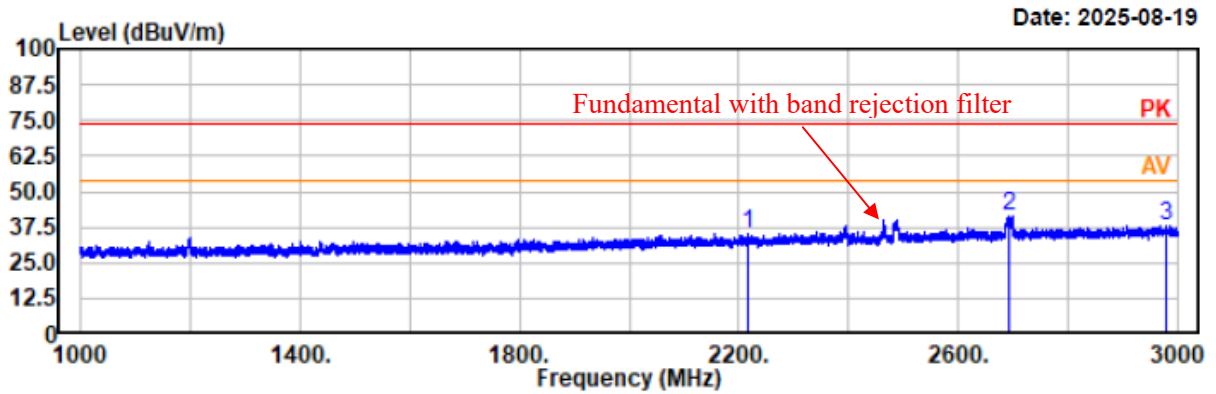


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2225.20	46.70	-11.86	34.84	74.00	39.16	horizontal	Peak
2694.20	48.62	-10.02	38.60	74.00	35.40	horizontal	Peak
2988.20	47.48	-9.01	38.47	74.00	35.53	horizontal	Peak

Project No.: 2507W73938E-RF
Test Mode: 802.11b 2462MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

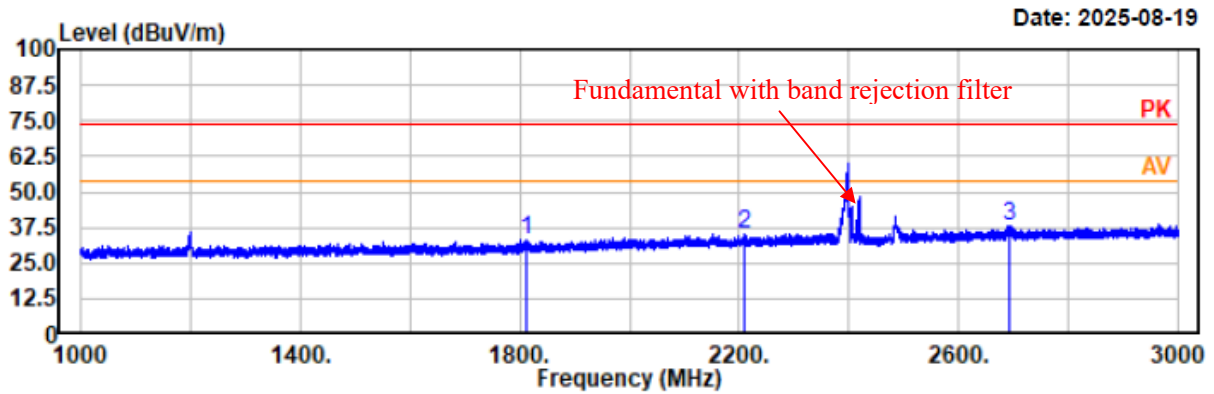


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2216.60	46.90	-11.90	35.00	74.00	39.00	vertical	Peak
2694.40	51.38	-10.02	41.36	74.00	32.64	vertical	Peak
2980.60	47.27	-9.05	38.22	74.00	35.78	vertical	Peak

Project No.: 2507W73938E-RF
Test Mode: 802.11g 2412MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

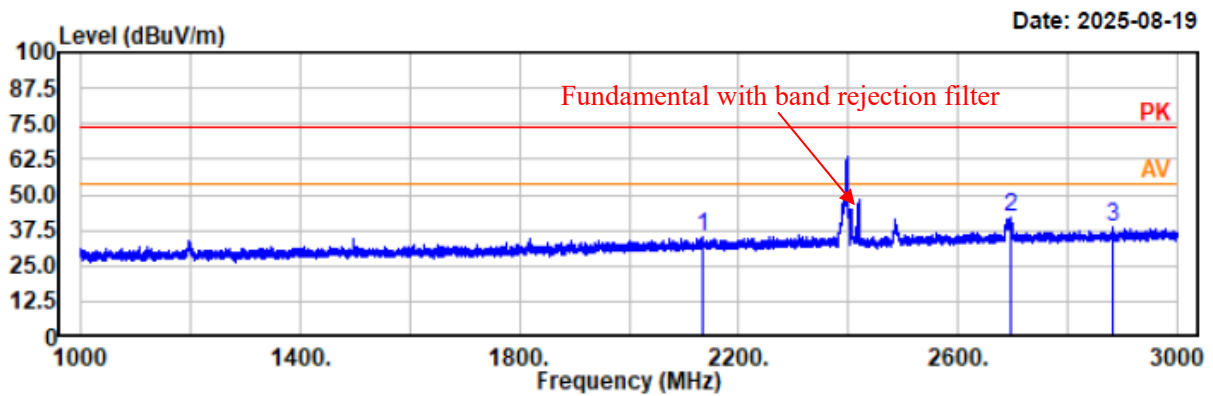


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBUV	Factor dB/m	Result dBUV/m	Limit dBUV/m	Margin dB	Polarity	Remark
1812.00	46.63	-13.19	33.44	74.00	40.56	horizontal	Peak
2209.40	47.12	-11.91	35.21	74.00	38.79	horizontal	Peak
2691.60	48.11	-10.03	38.08	74.00	35.92	horizontal	Peak

Project No.: 2507W73938E-RF
Test Mode: 802.11g 2412MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

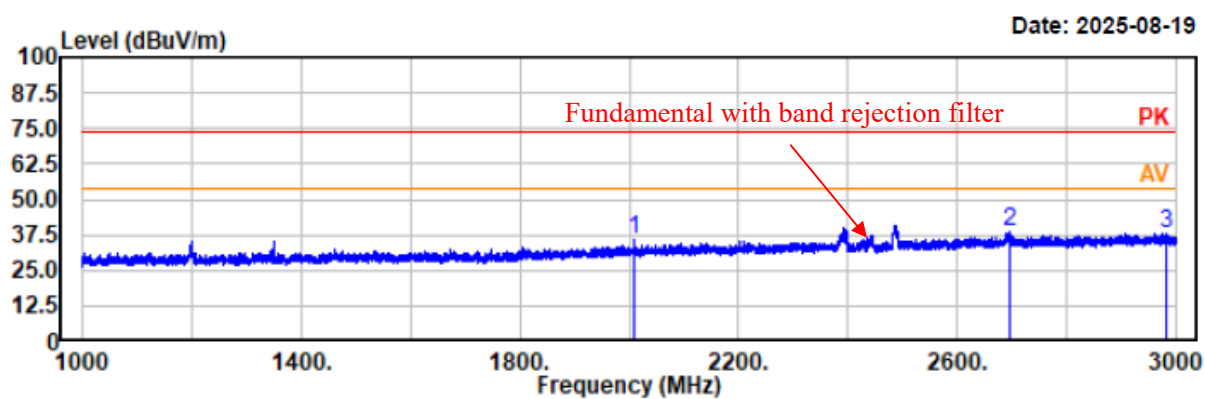


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2134.20	47.25	-12.16	35.09	74.00	38.91	vertical	Peak
2698.00	52.04	-10.01	42.03	74.00	31.97	vertical	Peak
2883.20	47.90	-9.58	38.32	74.00	35.68	vertical	Peak

Project No.: 2507W73938E-RF
Test Mode: 802.11g 2437MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

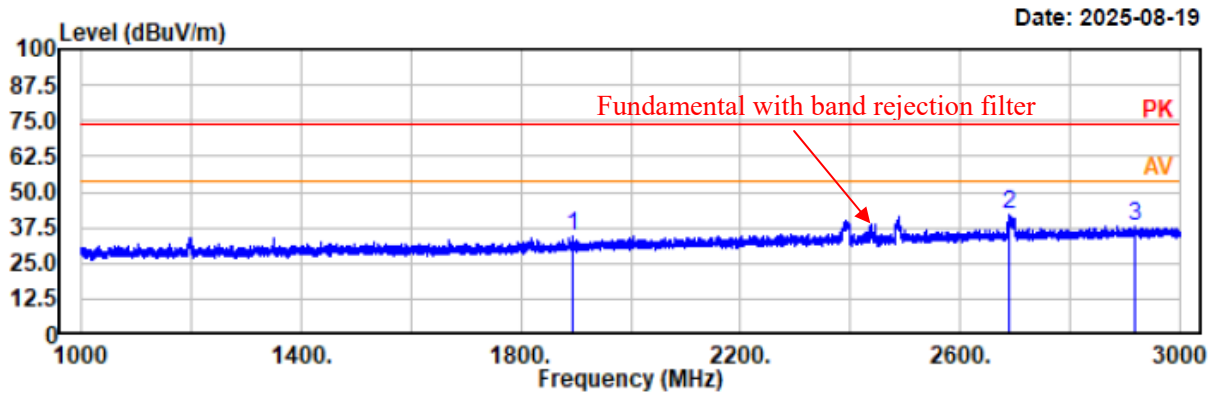


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2007.80	48.36	-12.53	35.83	74.00	38.17	horizontal	Peak
2695.60	48.75	-10.02	38.73	74.00	35.27	horizontal	Peak
2981.60	47.27	-9.04	38.23	74.00	35.77	horizontal	Peak

Project No.: 2507W73938E-RF
Test Mode: 802.11g 2437MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

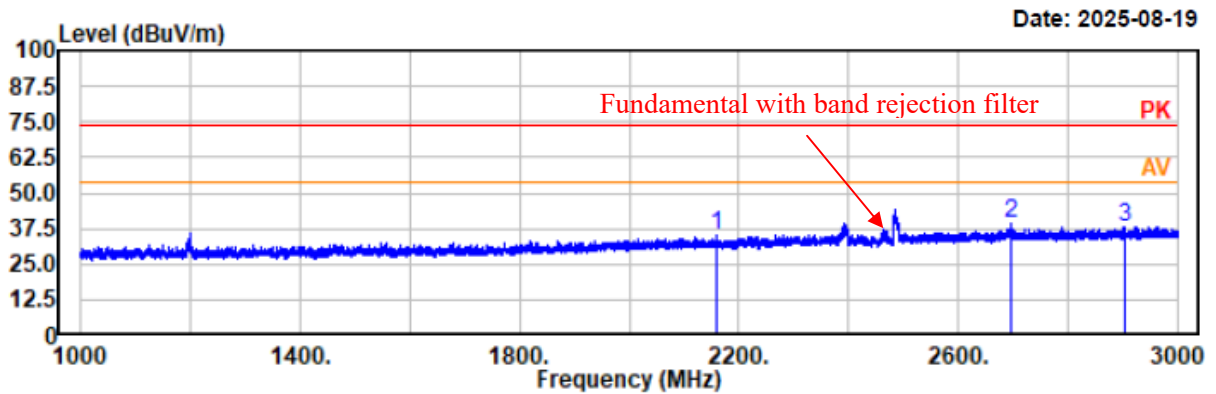


Condition: PK RBW:1MHz VBW:3MHz SwT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
1894.40	47.25	-12.97	34.28	74.00	39.72	vertical	Peak
2690.20	52.22	-10.04	42.18	74.00	31.82	vertical	Peak
2916.80	47.58	-9.43	38.15	74.00	35.85	vertical	Peak

Project No.: 2507W73938E-RF
Test Mode: 802.11g 2462MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

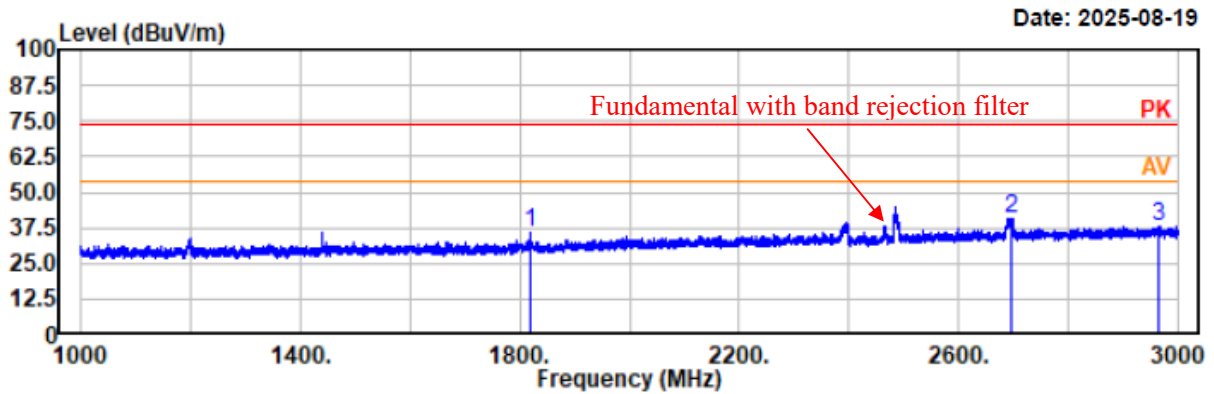


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2158.40	47.38	-12.11	35.27	74.00	38.73	horizontal	Peak
2698.00	49.16	-10.01	39.15	74.00	34.85	horizontal	Peak
2904.40	47.66	-9.52	38.14	74.00	35.86	horizontal	Peak

Project No.: 2507W73938E-RF
Test Mode: 802.11g 2462MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

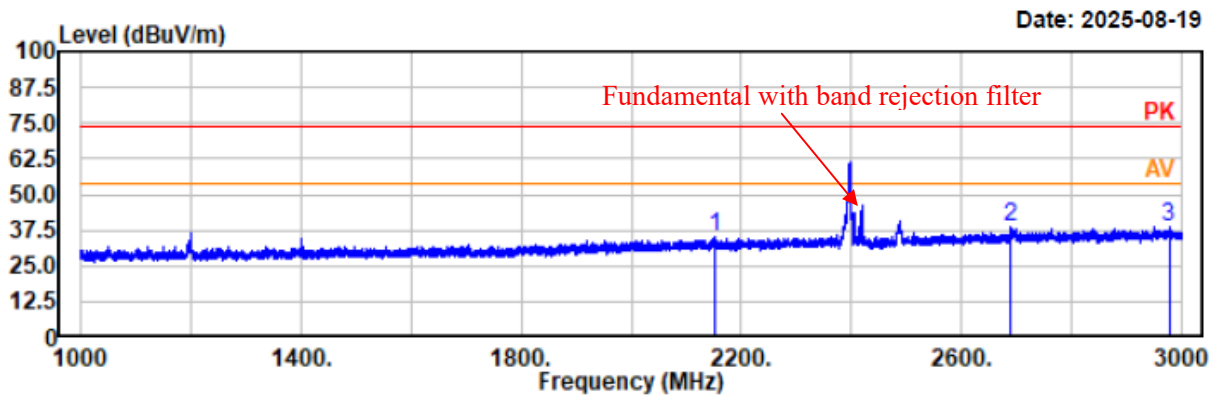


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBUV	Factor dB/m	Result dBUV/m	Limit dBUV/m	Margin dB	Polarity	Remark
1818.20	48.70	-13.17	35.53	74.00	38.47	vertical	Peak
2696.40	50.81	-10.01	40.80	74.00	33.20	vertical	Peak
2965.00	46.87	-9.12	37.75	74.00	36.25	vertical	Peak

Project No.: 2507W73938E-RF
Test Mode: 802.11n20 2412MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

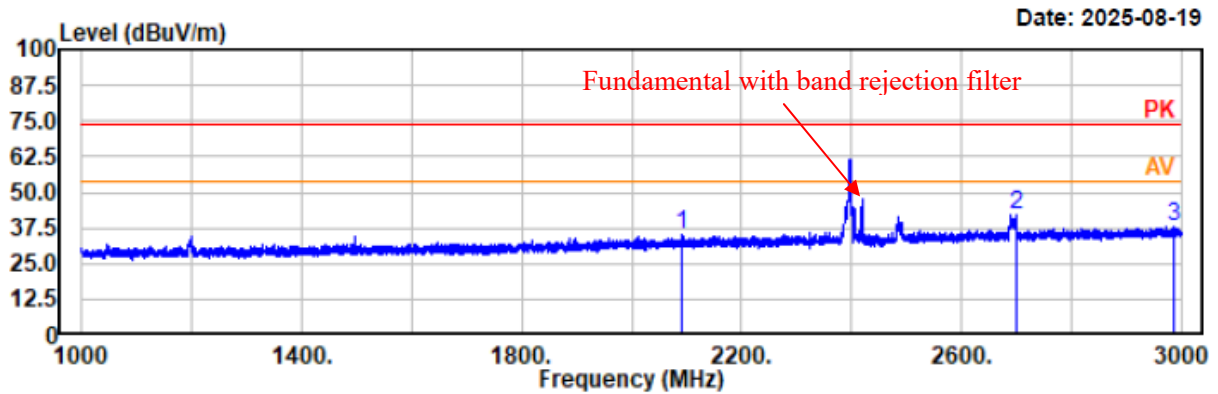


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBUV	Factor dB/m	Result dBUV/m	Limit dBUV/m	Margin dB	Polarity	Remark
2151.60	47.15	-12.13	35.02	74.00	38.98	horizontal	Peak
2688.20	48.69	-10.05	38.64	74.00	35.36	horizontal	Peak
2977.40	47.71	-9.06	38.65	74.00	35.35	horizontal	Peak

Project No.: 2507W73938E-RF
Test Mode: 802.11n20 2412MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

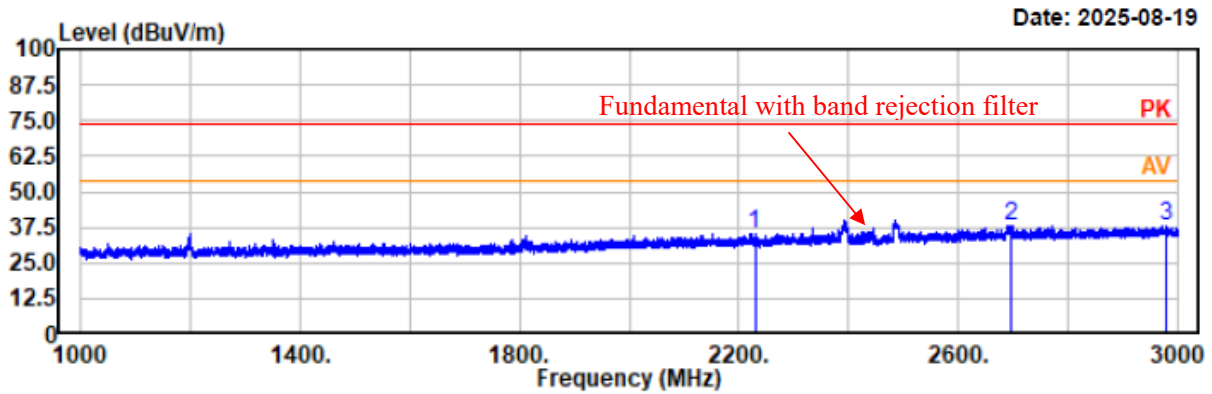


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2092.00	47.37	-12.26	35.11	74.00	38.89	vertical	Peak
2699.20	52.38	-10.00	42.38	74.00	31.62	vertical	Peak
2987.20	46.98	-9.01	37.97	74.00	36.03	vertical	Peak

Project No.: 2507W73938E-RF
Test Mode: 802.11n20 2437MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

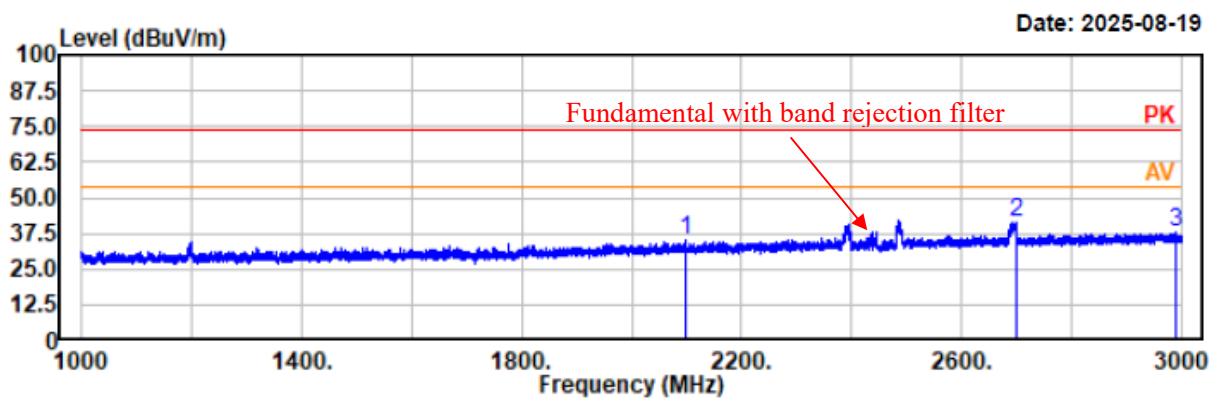


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2229.20	47.01	-11.85	35.16	74.00	38.84	horizontal	Peak
2697.60	48.15	-10.01	38.14	74.00	35.86	horizontal	Peak
2979.00	46.82	-9.05	37.77	74.00	36.23	horizontal	Peak

Project No.: 2507W73938E-RF
Test Mode: 802.11n20 2437MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

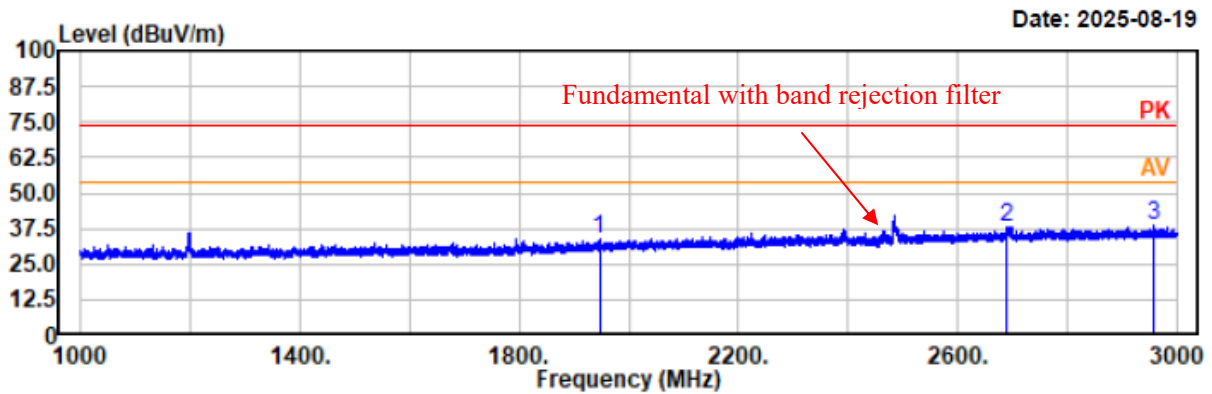


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2100.00	47.29	-12.22	35.07	74.00	38.93	vertical	Peak
2700.00	51.51	-10.00	41.51	74.00	32.49	vertical	Peak
2990.60	46.85	-9.00	37.85	74.00	36.15	vertical	Peak

Project No.: 2507W73938E-RF
Test Mode: 802.11n20 2462MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

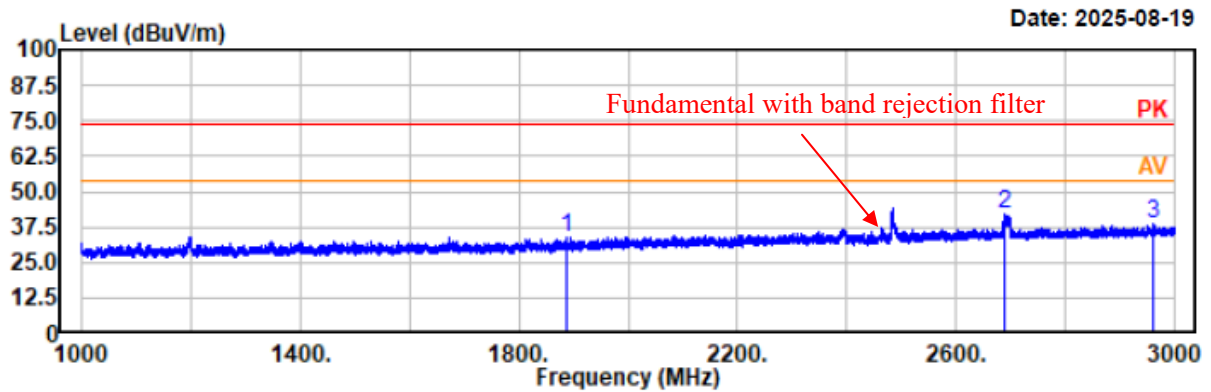


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
1946.40	46.88	-12.76	34.12	74.00	39.88	horizontal	Peak
2689.40	48.16	-10.04	38.12	74.00	35.88	horizontal	Peak
2959.00	48.12	-9.16	38.96	74.00	35.04	horizontal	Peak

Project No.: 2507W73938E-RF
Test Mode: 802.11n20 2462MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

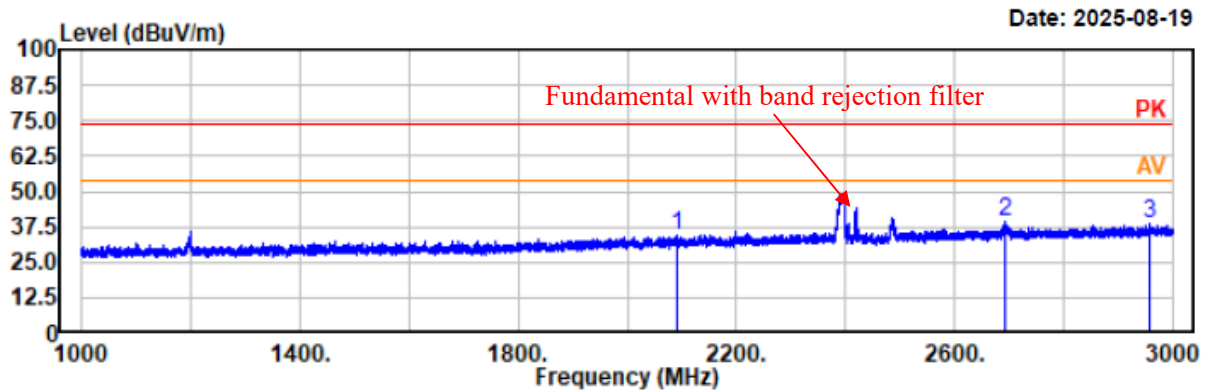


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
1888.00	47.00	-12.99	34.01	74.00	39.99	vertical	Peak
2690.00	52.27	-10.04	42.23	74.00	31.77	vertical	Peak
2960.00	47.97	-9.16	38.81	74.00	35.19	vertical	Peak

Project No.: 2507W73938E-RF
Test Mode: 802.11n40 2422MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

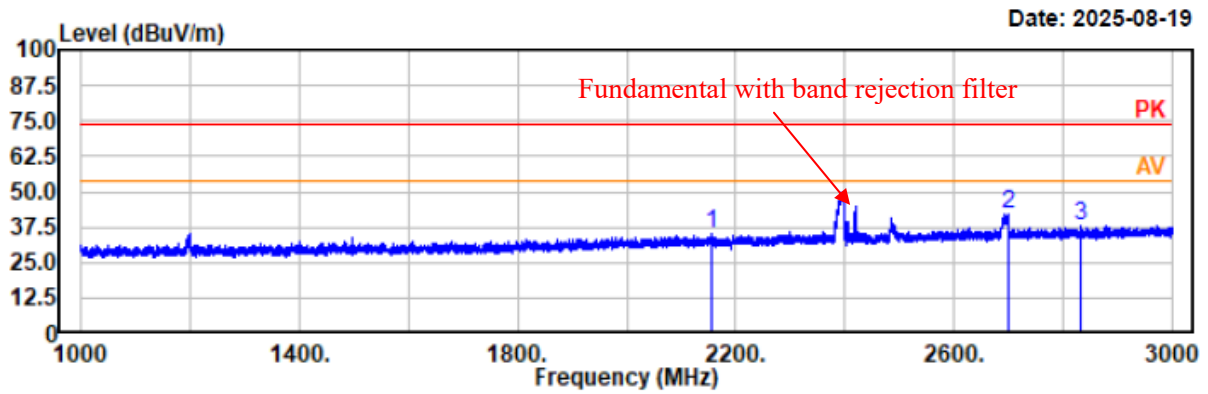


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2092.80	46.50	-12.26	34.24	74.00	39.76	horizontal	Peak
2692.40	49.38	-10.03	39.35	74.00	34.65	horizontal	Peak
2957.00	47.46	-9.17	38.29	74.00	35.71	horizontal	Peak

Project No.: 2507W73938E-RF
Test Mode: 802.11n40 2422MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

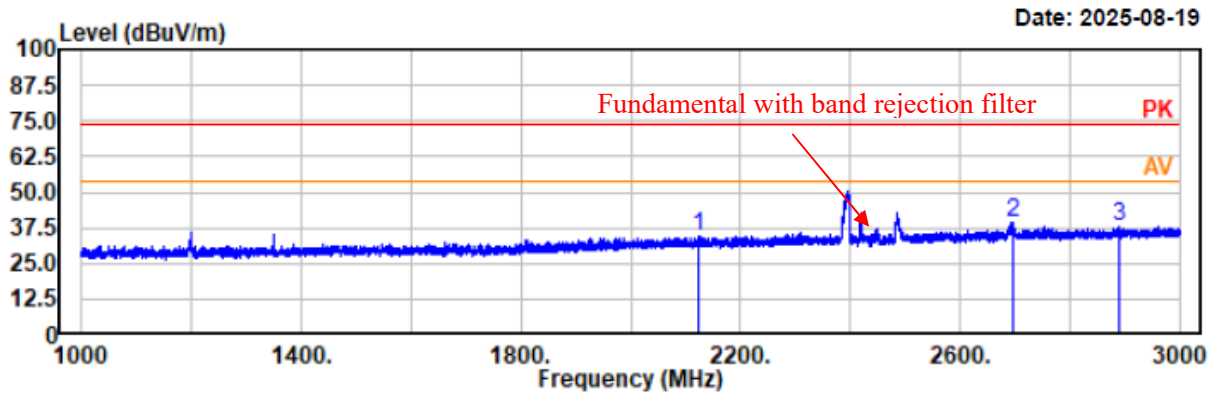


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2156.20	47.61	-12.11	35.50	74.00	38.50	vertical	Peak
2698.80	52.21	-10.00	42.21	74.00	31.79	vertical	Peak
2832.40	47.70	-9.68	38.02	74.00	35.98	vertical	Peak

Project No.: 2507W73938E-RF
Test Mode: 802.11n40 2437MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

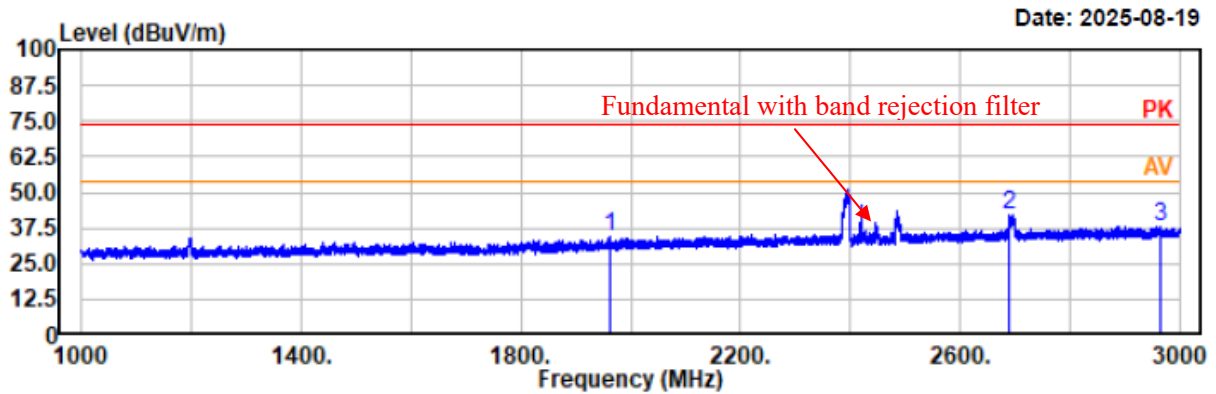


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBUV	Factor dB/m	Result dBUV/m	Limit dBUV/m	Margin dB	Polarity	Remark
2122.60	46.72	-12.18	34.54	74.00	39.46	horizontal	Peak
2694.80	49.25	-10.02	39.23	74.00	34.77	horizontal	Peak
2888.40	47.56	-9.57	37.99	74.00	36.01	horizontal	Peak

Project No.: 2507W73938E-RF
Test Mode: 802.11n40 2437MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

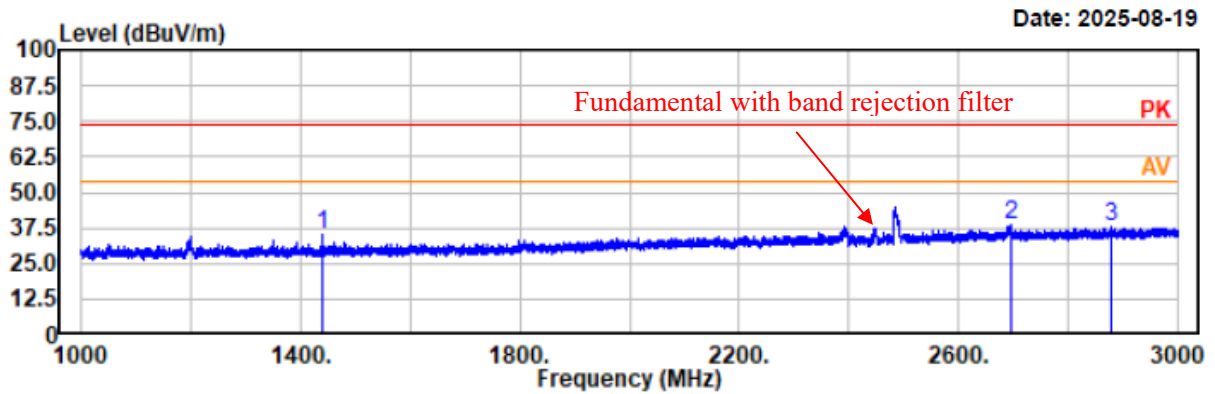


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
1961.20	47.45	-12.71	34.74	74.00	39.26	vertical	Peak
2690.00	51.97	-10.04	41.93	74.00	32.07	vertical	Peak
2963.20	46.84	-9.14	37.70	74.00	36.30	vertical	Peak

Project No.: 2507W73938E-RF
Test Mode: 802.11n40 2452MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

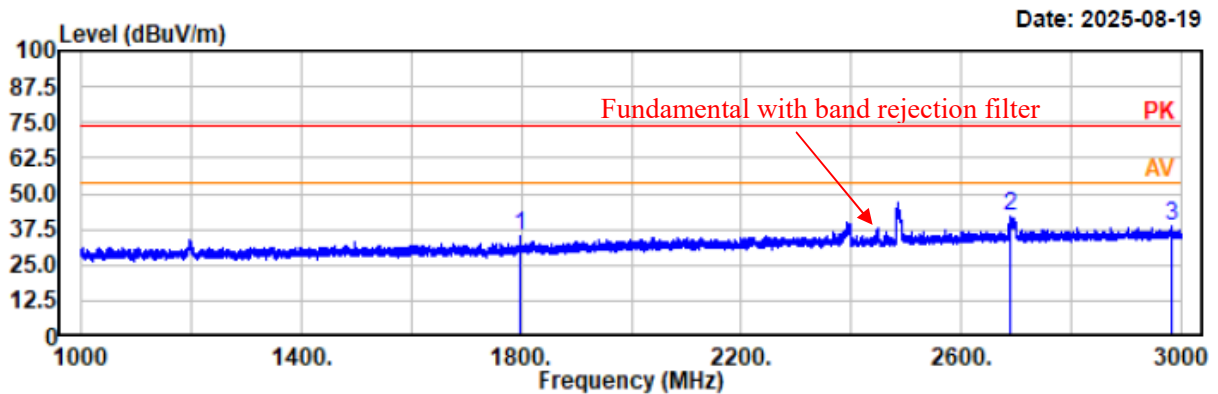


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
1440.40	49.69	-14.56	35.13	74.00	38.87	horizontal	Peak
2696.20	48.33	-10.02	38.31	74.00	35.69	horizontal	Peak
2880.00	47.29	-9.58	37.71	74.00	36.29	horizontal	Peak

Project No.: 2507W73938E-RF
Test Mode: 802.11n40 2452MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wliff Wu
Power Source: AC 120V/60Hz



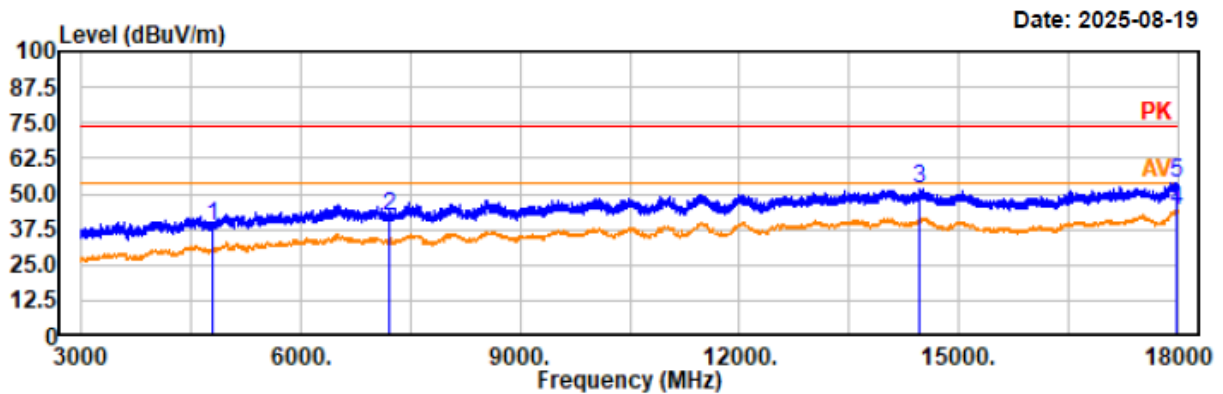
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
1799.20	48.21	-13.22	34.99	74.00	39.01	vertical	Peak
2690.80	52.20	-10.04	42.16	74.00	31.84	vertical	Peak
2982.80	47.91	-9.04	38.87	74.00	35.13	vertical	Peak

4) 3GHz~18GHz**For BLE:**

Project No.: 2507W73938E-RF
Test Mode: BLE 1M 2402MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

**Trace: 1**

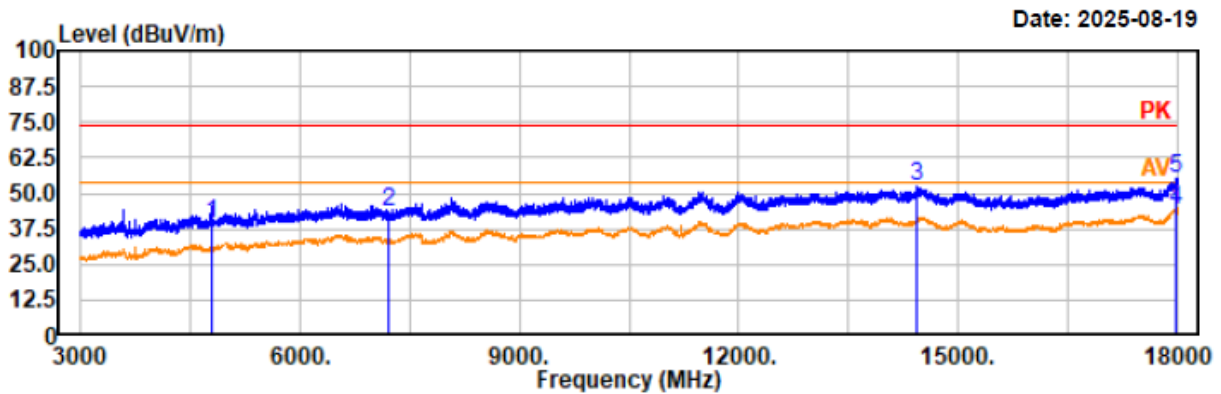
Condition: PK RBW:1MHz VBW:3MHz SwT:auto

AV RBW:1MHz VBW:5kHz SwT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4804.50	44.03	-5.24	38.79	74.00	35.21	horizontal	Peak
7206.00	44.55	-2.55	42.00	74.00	32.00	horizontal	Peak
14464.50	46.68	5.13	51.81	74.00	22.19	horizontal	Peak
17976.00	37.25	6.89	44.14	54.00	9.86	horizontal	Average
17976.00	47.12	6.89	54.01	74.00	19.99	horizontal	Peak

Project No.: 2507W73938E-RF
Test Mode: BLE 1M 2402MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

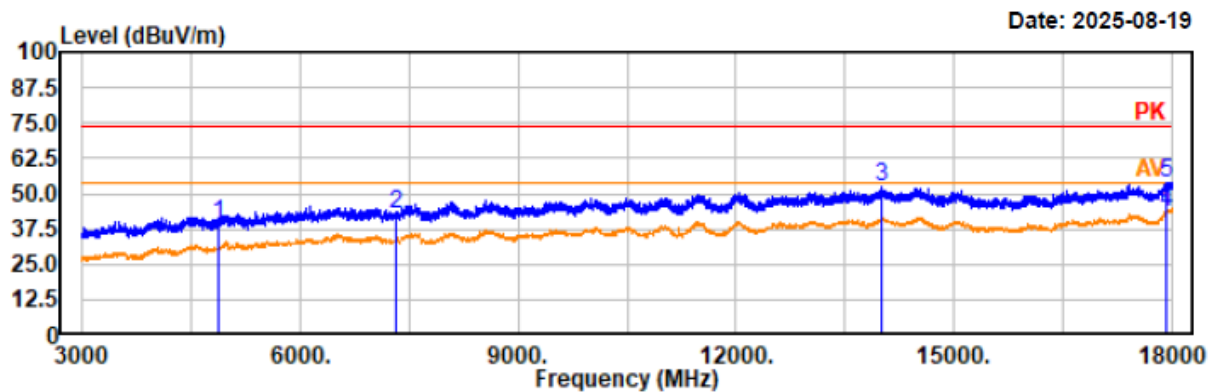
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBUV	Factor dB/m	Result dBUV/m	Limit dBUV/m	Margin dB	Polarity	Remark
4804.00	44.44	-5.24	39.20	74.00	34.80	vertical	Peak
7206.00	45.82	-2.55	43.27	74.00	30.73	vertical	Peak
14434.50	47.02	5.19	52.21	74.00	21.79	vertical	Peak
17976.00	36.99	6.89	43.88	54.00	10.12	vertical	Average
17976.00	48.24	6.89	55.13	74.00	18.87	vertical	Peak

Project No.: 2507W73938E-RF
Test Mode: BLE 1M 2440MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

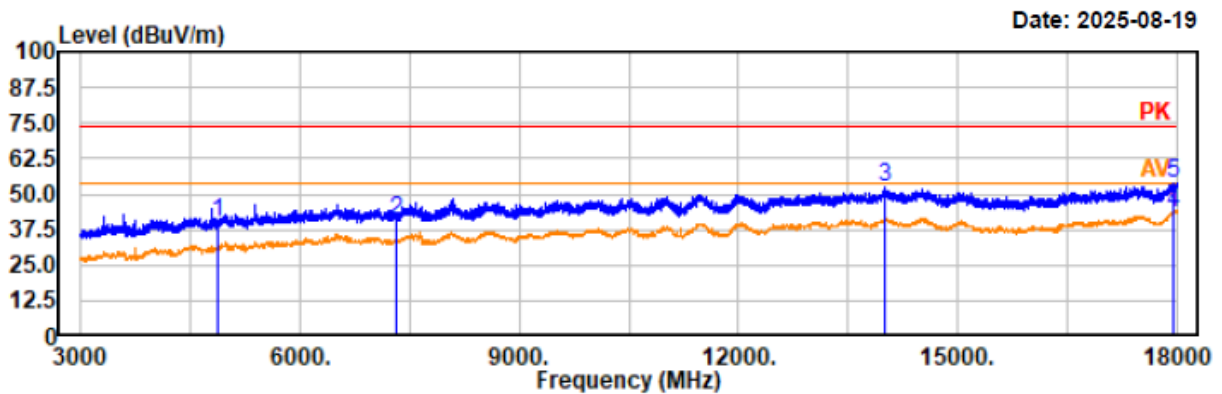
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4880.00	44.41	-5.30	39.11	74.00	34.89	horizontal	Peak
7320.00	45.06	-2.25	42.81	74.00	31.19	horizontal	Peak
14011.50	47.33	5.22	52.55	74.00	21.45	horizontal	Peak
17932.50	36.40	6.83	43.23	54.00	10.77	horizontal	Average
17932.50	47.23	6.83	54.06	74.00	19.94	horizontal	Peak

Project No.: 2507W73938E-RF
Test Mode: BLE 1M 2440MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

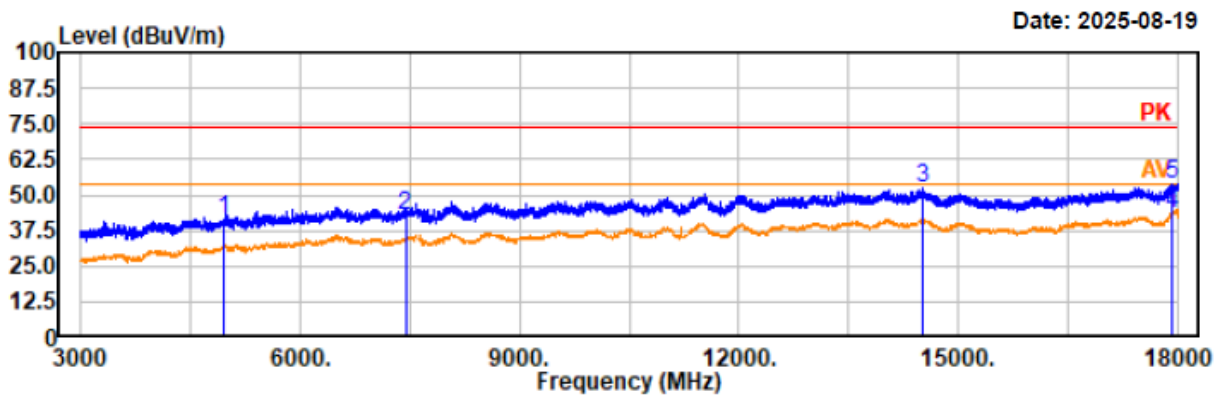
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4880.00	45.49	-5.30	40.19	74.00	33.81	vertical	Peak
7320.00	42.85	-2.25	40.60	74.00	33.40	vertical	Peak
14014.50	46.91	5.22	52.13	74.00	21.87	vertical	Peak
17953.50	36.43	6.86	43.29	54.00	10.71	vertical	Average
17953.50	47.10	6.86	53.96	74.00	20.04	vertical	Peak

Project No.: 2507W73938E-RF
Test Mode: BLE 1M 2480MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

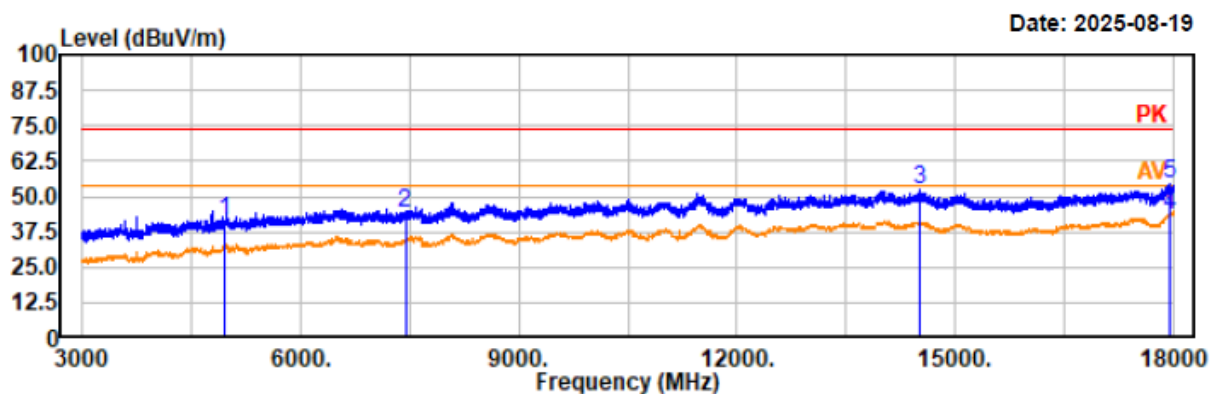
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4960.00	46.31	-5.11	41.20	74.00	32.80	horizontal	Peak
7440.00	44.65	-2.03	42.62	74.00	31.38	horizontal	Peak
14515.50	47.34	5.06	52.40	74.00	21.60	horizontal	Peak
17935.50	36.71	6.84	43.55	54.00	10.45	horizontal	Average
17935.50	46.74	6.84	53.58	74.00	20.42	horizontal	Peak

Project No.: 2507W73938E-RF
Test Mode: BLE 1M 2480MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

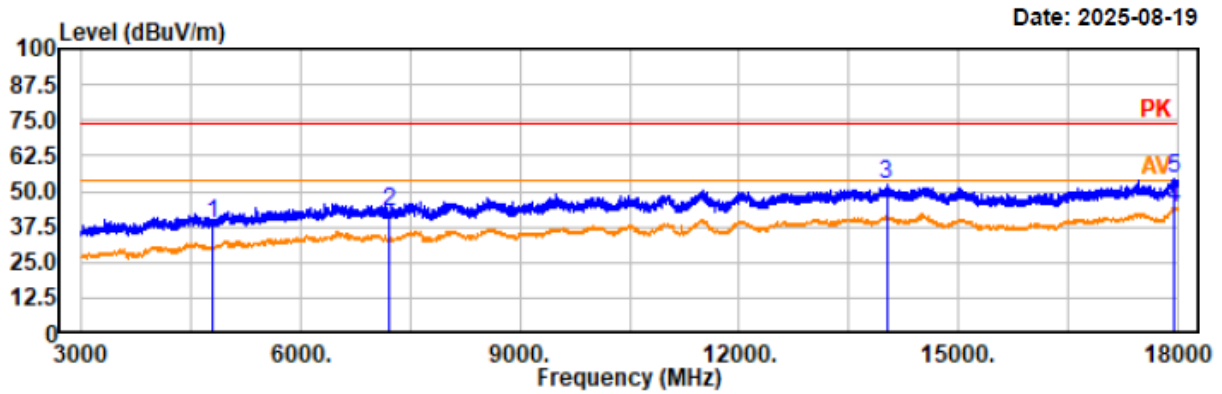
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4960.00	46.28	-5.11	41.17	74.00	32.83	vertical	Peak
7440.00	46.36	-2.03	44.33	74.00	29.67	vertical	Peak
14506.50	47.13	5.06	52.19	74.00	21.81	vertical	Peak
17949.00	36.40	6.86	43.26	54.00	10.74	vertical	Average
17949.00	47.57	6.86	54.43	74.00	19.57	vertical	Peak

Project No.: 2507W73938E-RF
Test Mode: BLE 2M 2402MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

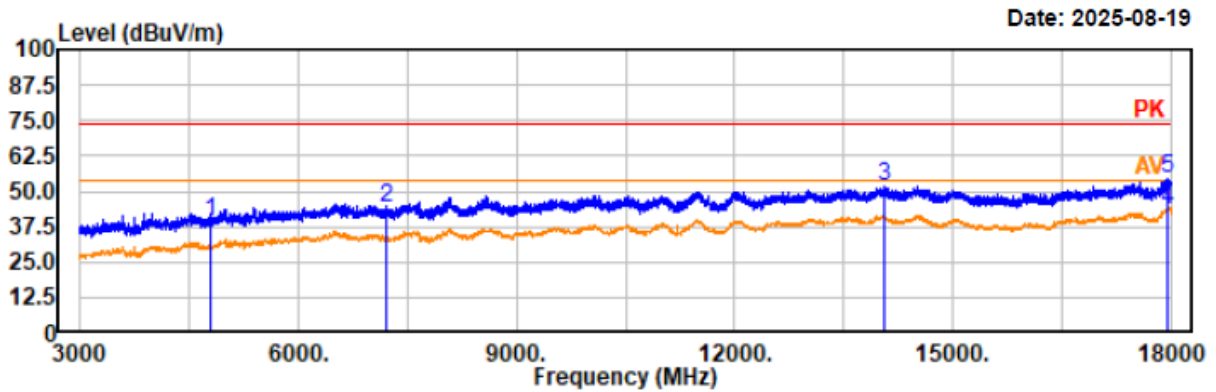
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4804.00	43.67	-5.24	38.43	74.00	35.57	horizontal	Peak
7206.00	45.05	-2.55	42.50	74.00	31.50	horizontal	Peak
14017.50	46.93	5.22	52.15	74.00	21.85	horizontal	Peak
17947.50	37.19	6.86	44.05	54.00	9.95	horizontal	Average
17947.50	47.31	6.86	54.17	74.00	19.83	horizontal	Peak

Project No.: 2507W73938E-RF
Test Mode: BLE 2M 2402MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

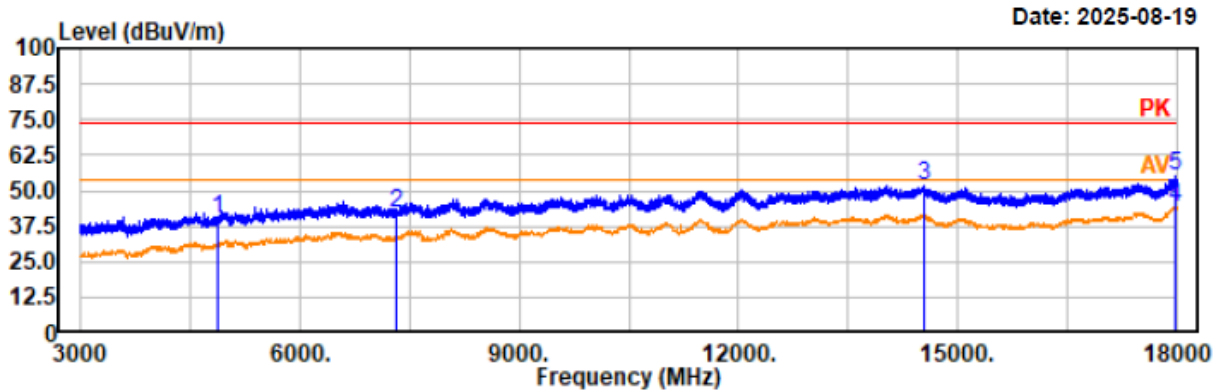
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBUV	Factor dB/m	Result dBUV/m	Limit dBUV/m	Margin dB	Polarity	Remark
4804.00	44.59	-5.24	39.35	74.00	34.65	vertical	Peak
7206.00	46.52	-2.55	43.97	74.00	30.03	vertical	Peak
14064.00	46.22	5.28	51.50	74.00	22.50	vertical	Peak
17958.00	36.41	6.87	43.28	54.00	10.72	vertical	Average
17958.00	47.49	6.87	54.36	74.00	19.64	vertical	Peak

Project No.: 2507W73938E-RF
Test Mode: BLE 2M 2440MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

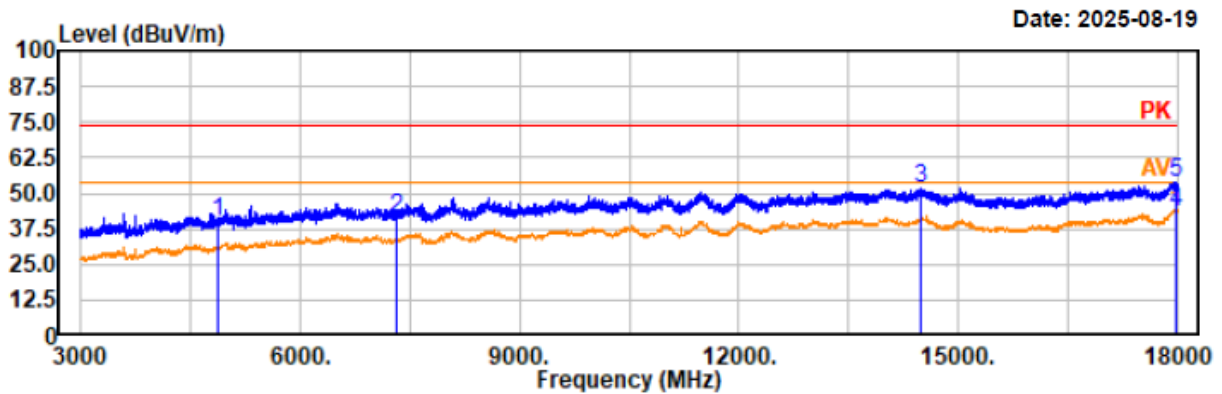
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4880.00	45.51	-5.30	40.21	74.00	33.79	horizontal	Peak
7320.00	44.45	-2.25	42.20	74.00	31.80	horizontal	Peak
14529.00	46.77	5.05	51.82	74.00	22.18	horizontal	Peak
17989.50	37.40	6.90	44.30	54.00	9.70	horizontal	Average
17989.50	47.95	6.90	54.85	74.00	19.15	horizontal	Peak

Project No.: 2507W73938E-RF
Test Mode: BLE 2M 2440MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

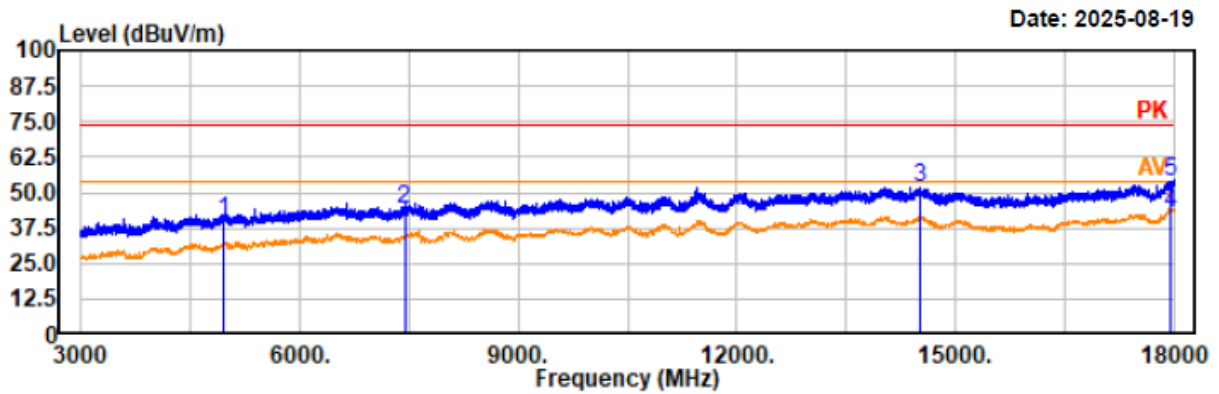
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4880.00	45.59	-5.30	40.29	74.00	33.71	vertical	Peak
7320.00	43.81	-2.25	41.56	74.00	32.44	vertical	Peak
14481.00	46.49	5.10	51.59	74.00	22.41	vertical	Peak
17970.00	36.65	6.88	43.53	54.00	10.47	vertical	Average
17970.00	47.05	6.88	53.93	74.00	20.07	vertical	Peak

Project No.: 2507W73938E-RF
Test Mode: BLE 2M 2480MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

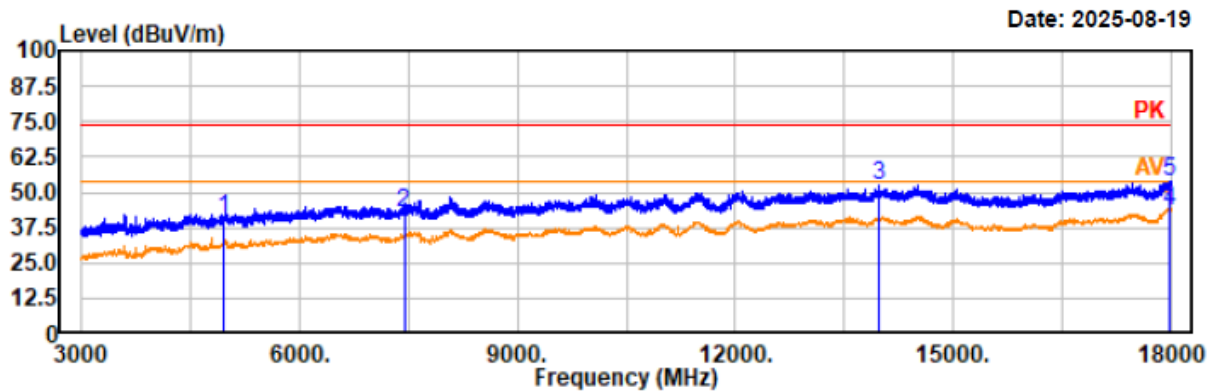
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4960.00	45.21	-5.11	40.10	74.00	33.90	horizontal	Peak
7440.00	45.97	-2.03	43.94	74.00	30.06	horizontal	Peak
14527.50	46.99	5.05	52.04	74.00	21.96	horizontal	Peak
17956.50	36.22	6.87	43.09	54.00	10.91	horizontal	Average
17956.50	47.20	6.87	54.07	74.00	19.93	horizontal	Peak

Project No.: 2507W73938E-RF
Test Mode: BLE 2M 2480MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto

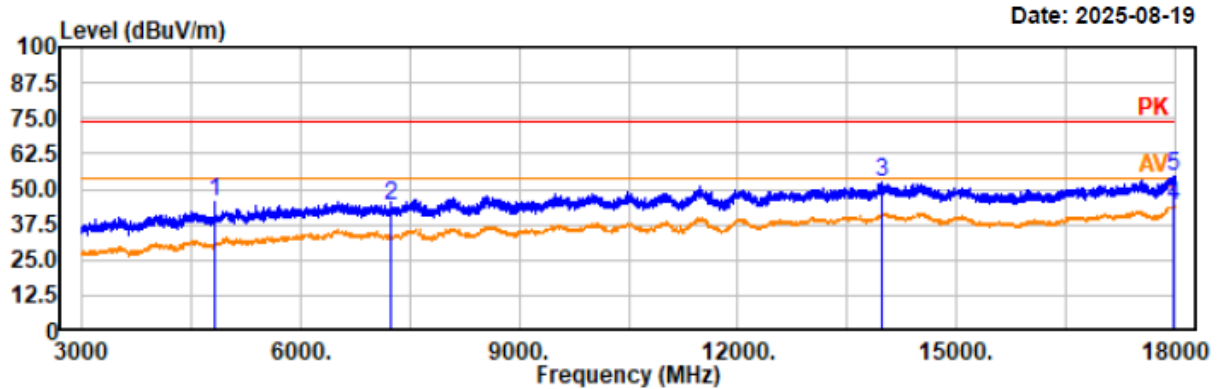
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4960.00	45.55	-5.11	40.44	74.00	33.56	vertical	Peak
7440.00	44.82	-2.03	42.79	74.00	31.21	vertical	Peak
13986.00	47.03	5.20	52.23	74.00	21.77	vertical	Peak
17988.00	36.85	6.89	43.74	54.00	10.26	vertical	Average
17988.00	47.22	6.89	54.11	74.00	19.89	vertical	Peak

For 2.4G WIFI:

Project No.: 2507W73938E-RF
Test Mode: 802.11b 2412MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

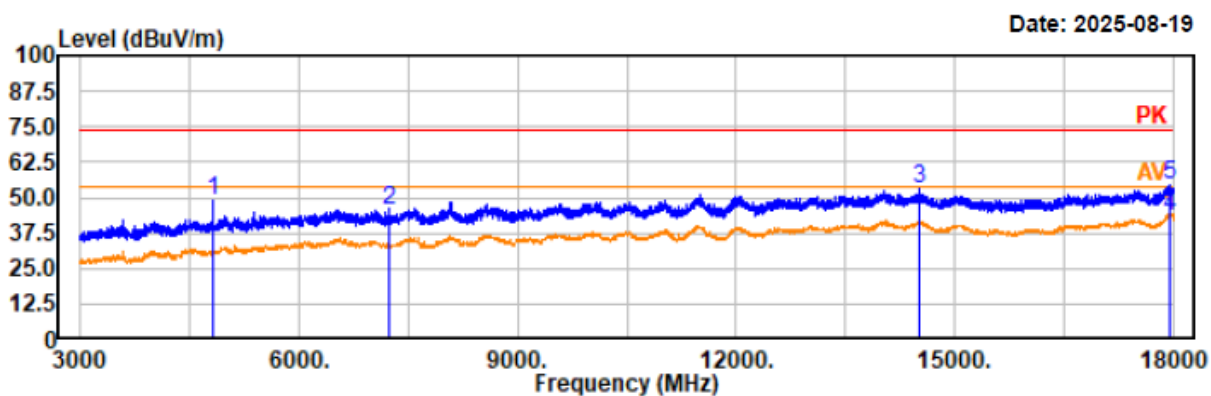
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4824.00	50.97	-5.26	45.71	74.00	28.29	horizontal	Peak
7236.00	46.61	-2.47	44.14	74.00	29.86	horizontal	Peak
13989.00	47.39	5.20	52.59	74.00	21.41	horizontal	Peak
17983.50	37.00	6.89	43.89	54.00	10.11	horizontal	Average
17983.50	47.45	6.89	54.34	74.00	19.66	horizontal	Peak

Project No.: 2507W73938E-RF
Test Mode: 802.11b 2412MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

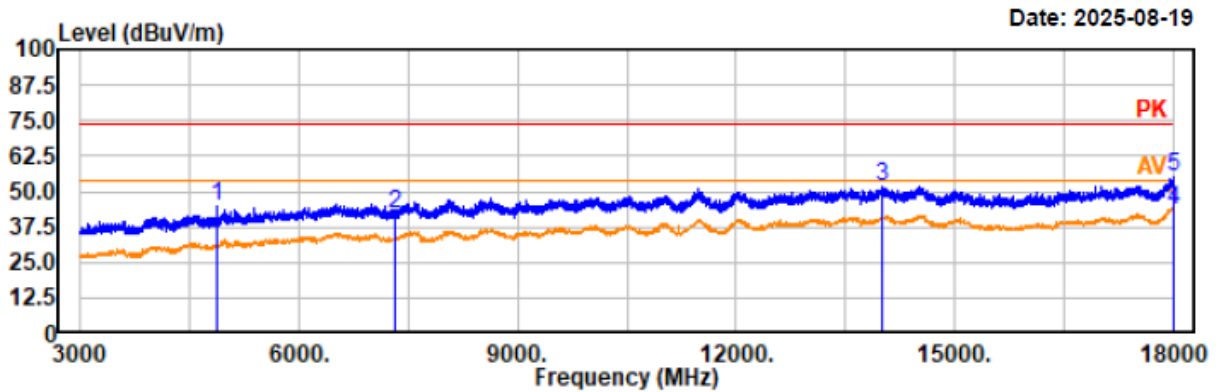
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4824.00	54.07	-5.26	48.81	74.00	25.19	vertical	Peak
7236.00	48.27	-2.47	45.80	74.00	28.20	vertical	Peak
14505.00	47.98	5.06	53.04	74.00	20.96	vertical	Peak
17940.00	36.82	6.84	43.66	54.00	10.34	vertical	Average
17940.00	47.57	6.84	54.41	74.00	19.59	vertical	Peak

Project No.: 2507W73938E-RF
Test Mode: 802.11b 2437MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

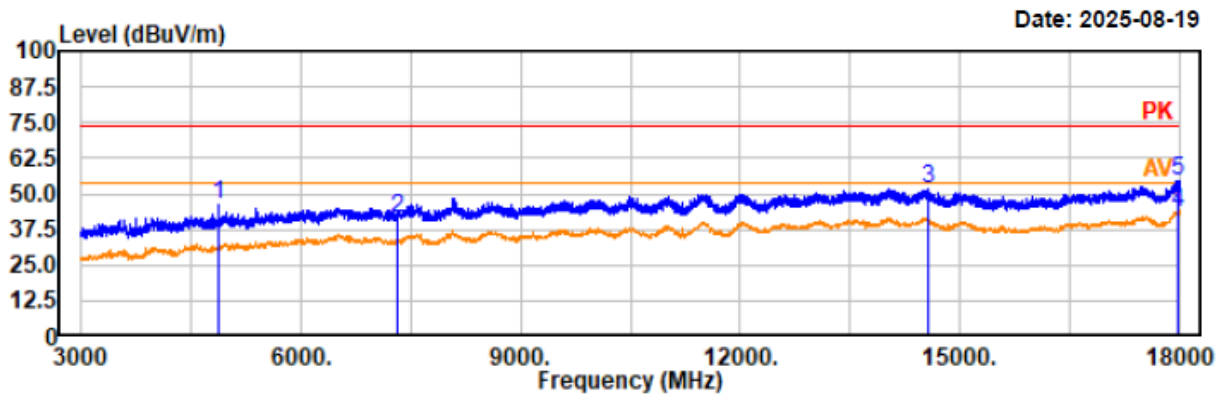
Condition: PK RBW:1MHz VBW:3MHz SwT:auto

AV RBW:1MHz VBW:5kHz SwT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4874.00	50.19	-5.29	44.90	74.00	29.10	horizontal	Peak
7311.00	44.16	-2.28	41.88	74.00	32.12	horizontal	Peak
14001.00	46.70	5.20	51.90	74.00	22.10	horizontal	Peak
17994.00	36.57	6.90	43.47	54.00	10.53	horizontal	Average
17994.00	48.13	6.90	55.03	74.00	18.97	horizontal	Peak

Project No.: 2507W73938E-RF
Test Mode: 802.11b 2437MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

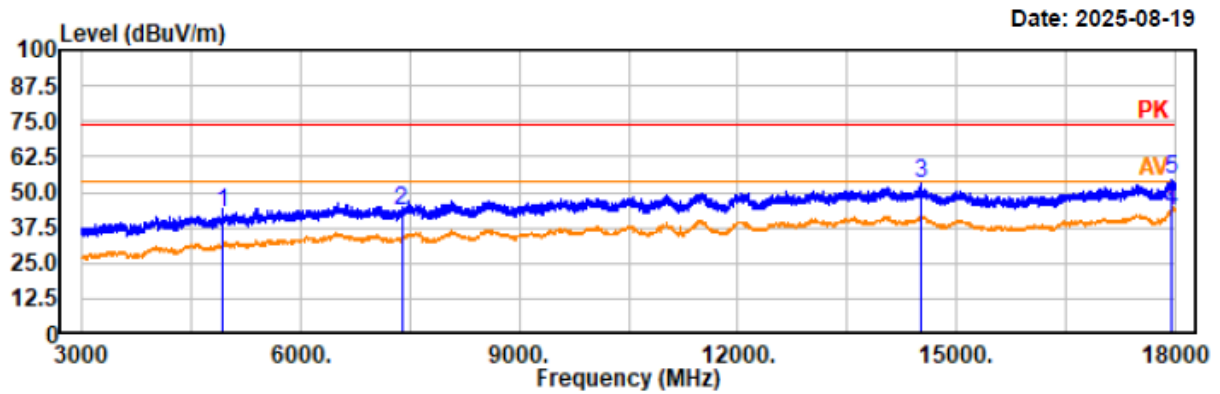
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBUV	Factor dB/m	Result dBUV/m	Limit dBUV/m	Margin dB	Polarity	Remark
4874.00	51.17	-5.29	45.88	74.00	28.12	vertical	Peak
7311.00	43.64	-2.28	41.36	74.00	32.64	vertical	Peak
14565.00	46.79	5.03	51.82	74.00	22.18	vertical	Peak
17979.00	36.39	6.89	43.28	54.00	10.72	vertical	Average
17979.00	47.49	6.89	54.38	74.00	19.62	vertical	Peak

Project No.: 2507W73938E-RF
Test Mode: 802.11b 2462MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

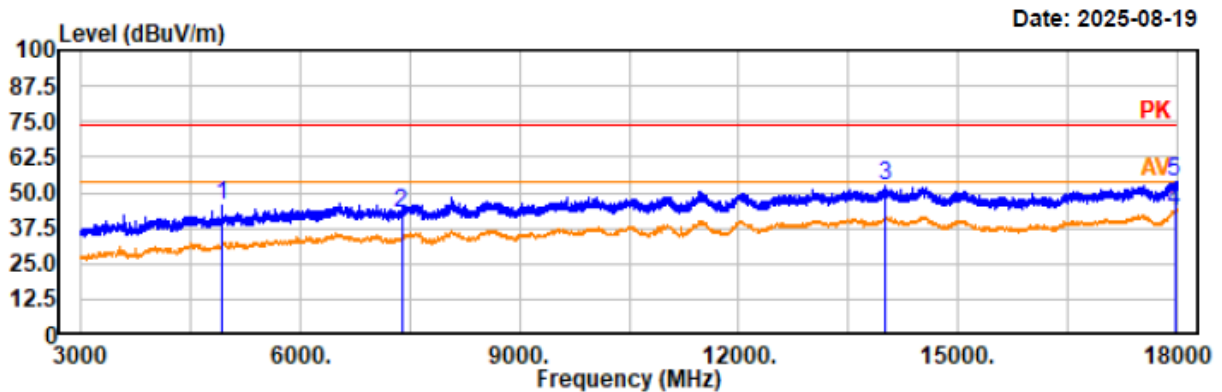
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4924.00	48.05	-5.24	42.81	74.00	31.19	horizontal	Peak
7386.00	45.68	-2.15	43.53	74.00	30.47	horizontal	Peak
14509.50	47.96	5.06	53.02	74.00	20.98	horizontal	Peak
17953.50	36.55	6.86	43.41	54.00	10.59	horizontal	Average
17953.50	47.45	6.86	54.31	74.00	19.69	horizontal	Peak

Project No.: 2507W73938E-RF
Test Mode: 802.11b 2462MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

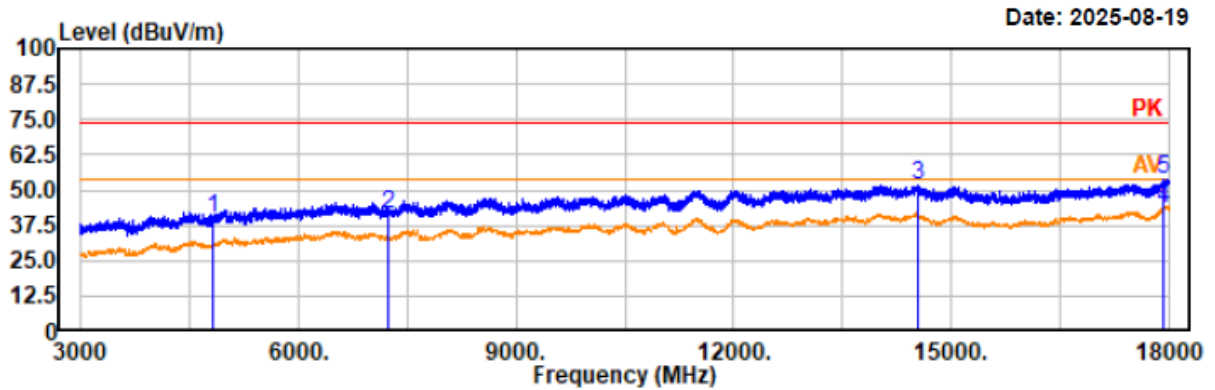
Condition: PK RBW:1MHz VBW:3MHz SwT:auto

AV RBW:1MHz VBW:5kHz SwT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4923.00	50.73	-5.24	45.49	74.00	28.51	vertical	Peak
7386.00	44.85	-2.15	42.70	74.00	31.30	vertical	Peak
14007.00	47.16	5.21	52.37	74.00	21.63	vertical	Peak
17965.50	36.36	6.87	43.23	54.00	10.77	vertical	Average
17965.50	47.23	6.87	54.10	74.00	19.90	vertical	Peak

Project No.: 2507W73938E-RF
Test Mode: 802.11g 2412MHz
EUT Model: SNM927
Test distance: 3m

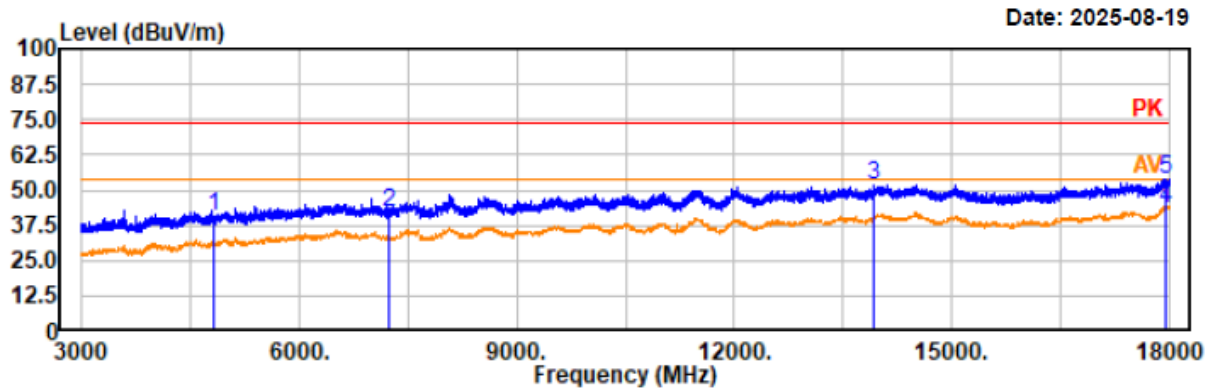
Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4824.00	45.54	-5.26	40.28	74.00	33.72	horizontal	Peak
7236.00	44.05	-2.47	41.58	74.00	32.42	horizontal	Peak
14551.50	46.92	5.04	51.96	74.00	22.04	horizontal	Peak
17935.50	36.80	6.84	43.64	54.00	10.36	horizontal	Average
17935.50	46.83	6.84	53.67	74.00	20.33	horizontal	Peak

Project No.: 2507W73938E-RF
Test Mode: 802.11g 2412MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

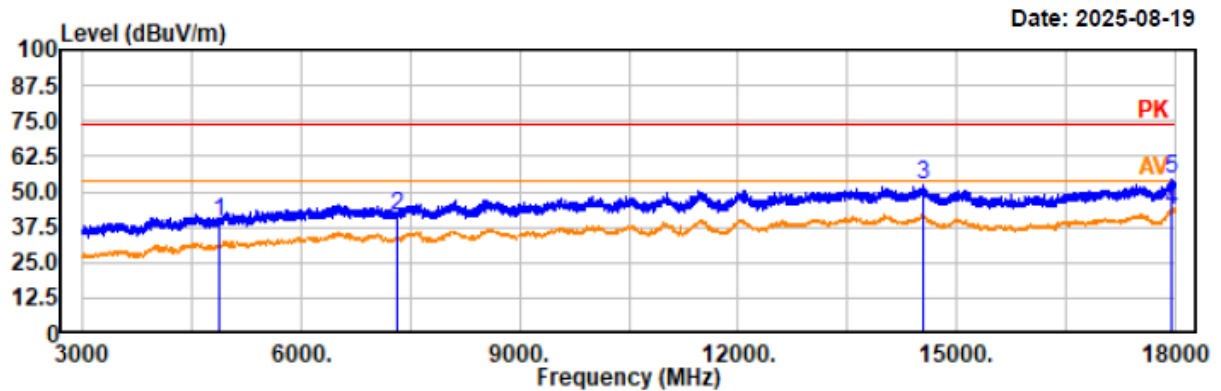
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4824.00	45.65	-5.26	40.39	74.00	33.61	vertical	Peak
7236.00	44.38	-2.47	41.91	74.00	32.09	vertical	Peak
13914.00	46.54	5.17	51.71	74.00	22.29	vertical	Peak
17955.00	36.77	6.87	43.64	54.00	10.36	vertical	Average
17955.00	46.86	6.87	53.73	74.00	20.27	vertical	Peak

Project No.: 2507W73938E-RF
Test Mode: 802.11g 2437MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

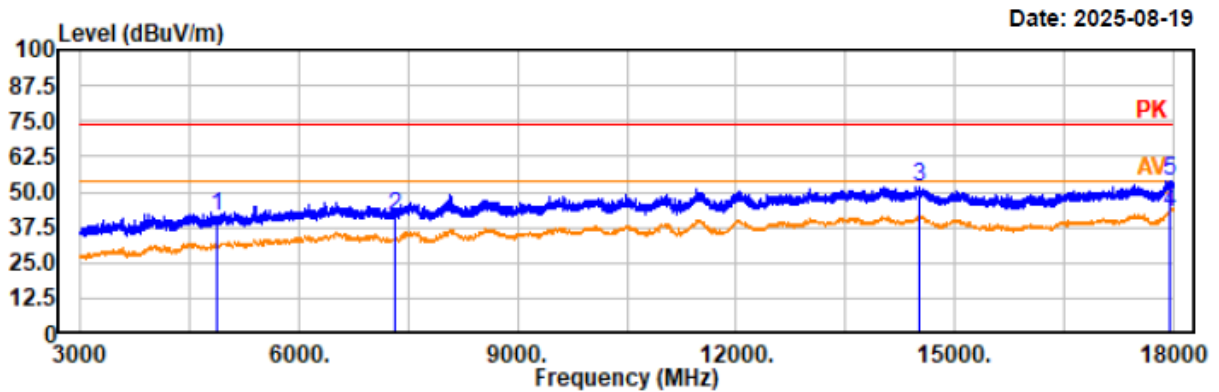
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4874.00	44.61	-5.29	39.32	74.00	34.68	horizontal	Peak
7311.00	43.39	-2.28	41.11	74.00	32.89	horizontal	Peak
14553.00	47.17	5.04	52.21	74.00	21.79	horizontal	Peak
17953.50	36.24	6.86	43.10	54.00	10.90	horizontal	Average
17953.50	47.93	6.86	54.79	74.00	19.21	horizontal	Peak

Project No.: 2507W73938E-RF
Test Mode: 802.11g 2437MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

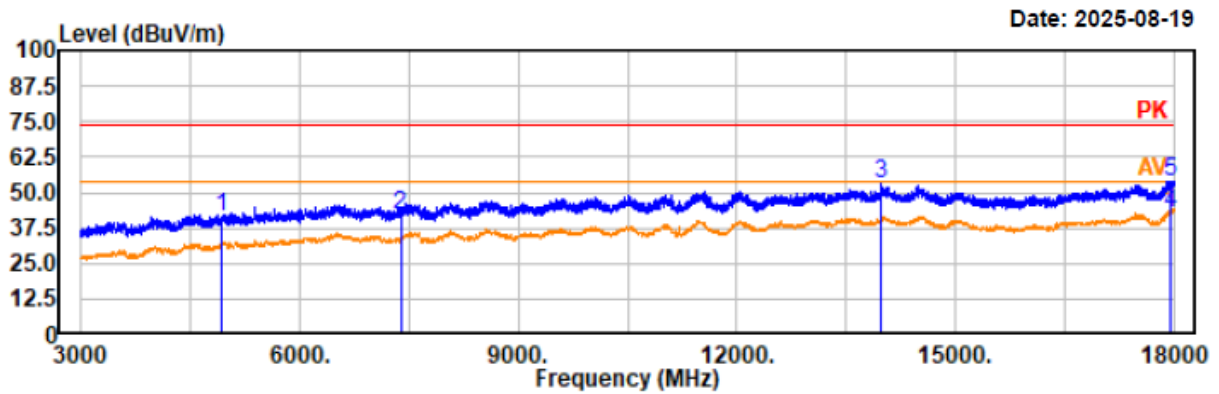
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4874.00	46.45	-5.29	41.16	74.00	32.84	vertical	Peak
7311.00	43.60	-2.28	41.32	74.00	32.68	vertical	Peak
14523.00	46.64	5.06	51.70	74.00	22.30	vertical	Peak
17952.00	36.19	6.86	43.05	54.00	10.95	vertical	Average
17952.00	47.27	6.86	54.13	74.00	19.87	vertical	Peak

Project No.: 2507W73938E-RF
Test Mode: 802.11g 2462MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

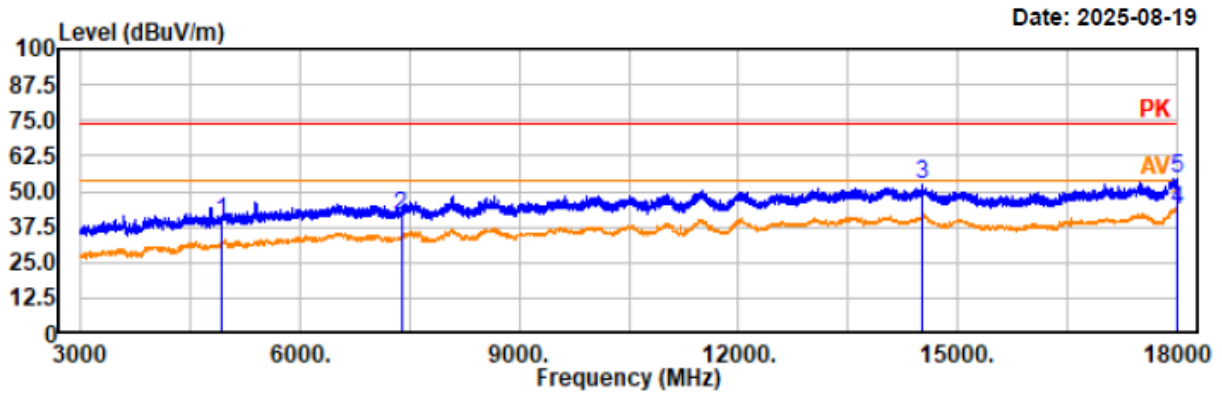
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4924.00	46.71	-5.24	41.47	74.00	32.53	horizontal	Peak
7386.00	44.31	-2.15	42.16	74.00	31.84	horizontal	Peak
13981.50	47.60	5.20	52.80	74.00	21.20	horizontal	Peak
17940.00	36.23	6.84	43.07	54.00	10.93	horizontal	Average
17940.00	47.12	6.84	53.96	74.00	20.04	horizontal	Peak

Project No.: 2507W73938E-RF
Test Mode: 802.11g 2462MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

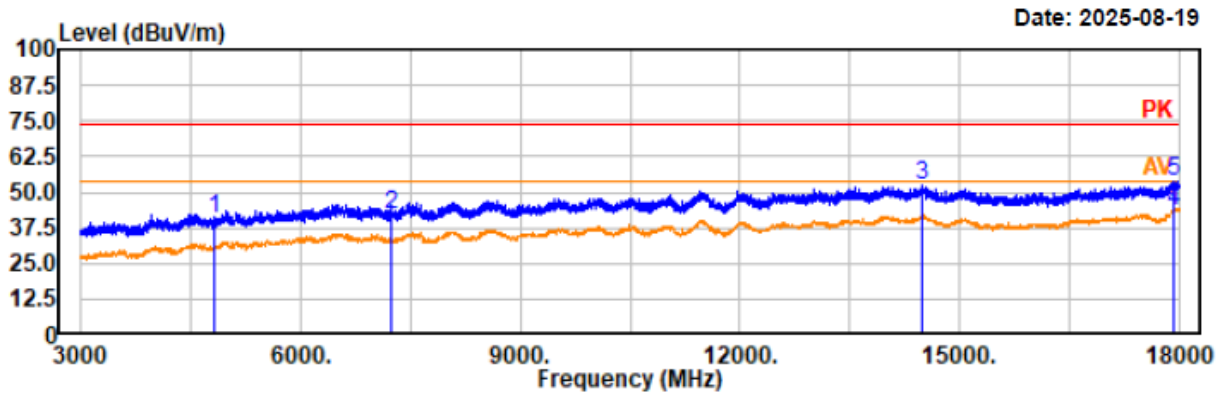
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4924.00	44.83	-5.24	39.59	74.00	34.41	vertical	Peak
7386.00	43.35	-2.15	41.20	74.00	32.80	vertical	Peak
14524.50	47.55	5.06	52.61	74.00	21.39	vertical	Peak
17992.50	36.76	6.90	43.66	54.00	10.34	vertical	Average
17992.50	47.56	6.90	54.46	74.00	19.54	vertical	Peak

Project No.: 2507W73938E-RF
Test Mode: 802.11n20 2412MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

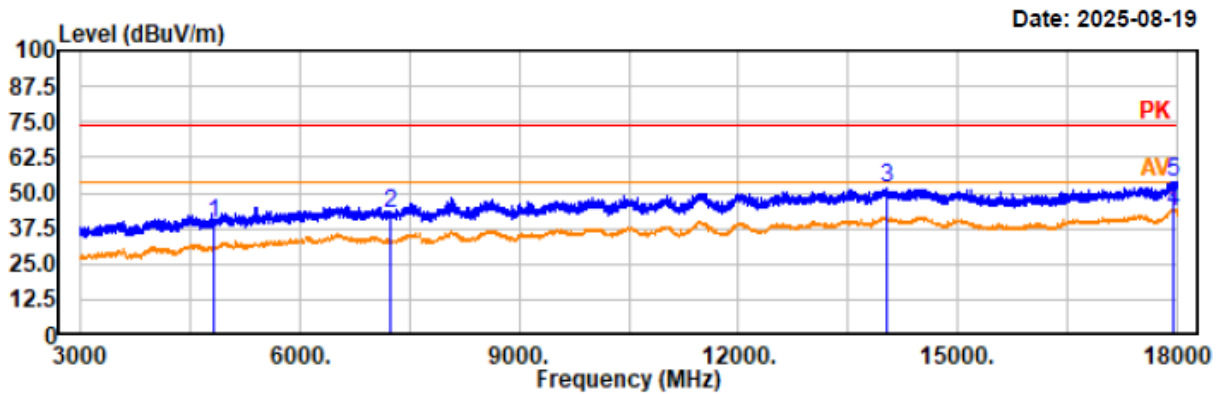
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4824.00	45.74	-5.26	40.48	74.00	33.52	horizontal	Peak
7236.00	44.65	-2.47	42.18	74.00	31.82	horizontal	Peak
14481.00	47.10	5.10	52.20	74.00	21.80	horizontal	Peak
17928.00	36.95	6.84	43.79	54.00	10.21	horizontal	Average
17928.00	46.87	6.84	53.71	74.00	20.29	horizontal	Peak

Project No.: 2507W73938E-RF
Test Mode: 802.11n20 2412MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

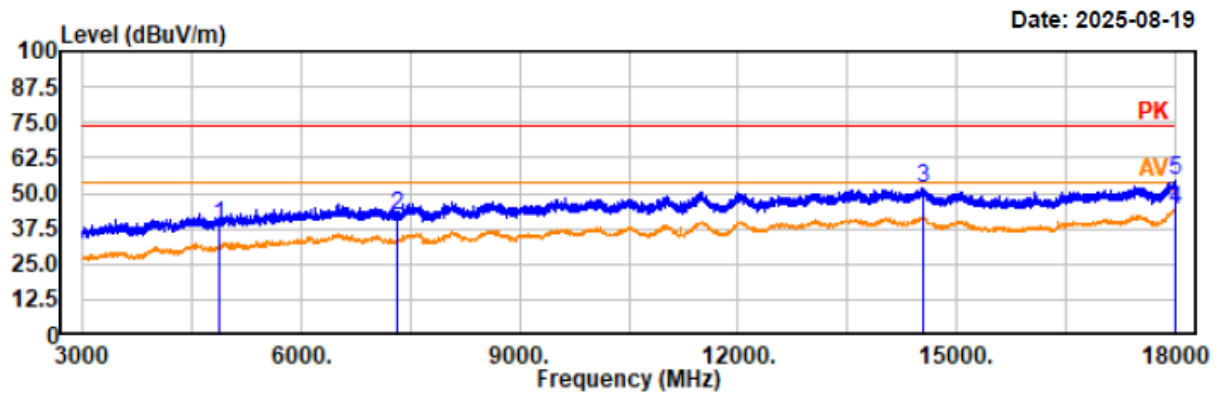
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4824.00	44.63	-5.26	39.37	74.00	34.63	vertical	Peak
7236.00	45.01	-2.47	42.54	74.00	31.46	vertical	Peak
14025.00	46.35	5.23	51.58	74.00	22.42	vertical	Peak
17941.50	36.40	6.84	43.24	54.00	10.76	vertical	Average
17941.50	47.27	6.84	54.11	74.00	19.89	vertical	Peak

Project No.: 2507W73938E-RF
Test Mode: 802.11n20 2437MHz
EUT Model: SNM927
Test distance: 3m

Temp/Humi/ATM: 22.1°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto

AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4874.00	43.75	-5.29	38.46	74.00	35.54	horizontal	Peak
7311.00	44.44	-2.28	42.16	74.00	31.84	horizontal	Peak
14550.00	46.66	5.04	51.70	74.00	22.30	horizontal	Peak
17994.00	37.08	6.90	43.98	54.00	10.02	horizontal	Average
17994.00	47.44	6.90	54.34	74.00	19.66	horizontal	Peak