



FCC PART 15.247

TEST REPORT

For

A Beep, LLC

710 W JEFFERSON ST Joliet Illinois 60435 United States

FCC ID: 2APPUDTS8951

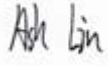
Report Type: Original Report	Product Name: Nationwide Radio
Report Number:	2507Z22634E-RF-01
Report Date:	2026-01-07
Reviewed By:	Ash Lin 
Approved By:	Miles Chen 
Prepared By:	Bay Area Compliance Laboratories Corp. (Xiamen) Unit 102, No. 902 Meifeng South Road, Binhai West Avenue, Science and Technology Innovation Park, Torch High tech Zone XiaMen Tel: +86-592-3200111 www.baclcorp.com.cn

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EUT PHOTOGRAPHS106

TEST SETUP PHOTOGRAPHS107

REPORT REVISION HISTORY

Number of Revisions	Report No.	Version	Issue Date	Description
0	2507Z22634E-RF-01	R1V1	2026-01-07	Initial Release

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Applicant:	A Beep, LLC
Product Name:	Nationwide Radio
Tested Model:	DTS-8951
Trade Mark:	
Power Supply:	DC 12V, 2A, 24W
Maximum Peak Conducted Output Power:	18.39 dBm
Frequency Range:	802.11b/g/n20: 2412-2462 MHz 802.11n40: 2422-2452 MHz
Modulation Technique:	802.11b:DSSS 802.11g/n:OFDM
Antenna Type:	Ceramic Antenna
★Maximum Antenna Gain:	1dBi
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: 3DCC-1 (RF conducted), 3DCC-2 (Conducted Emission and Radiated Spurious Emission) (Assigned by the BACL (Xiamen). The EUT supplied by the applicant was received on 2025-11-21).	

Objective

This report is prepared on behalf of *A Beep, LLC* in accordance with Part 2-Subpart J, Part 15-Subparts A and C of the Federal Communication Commission's rules.

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

Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2020, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

And KDB 558074 D01 15.247 Meas Guidance v05r02.

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.

Measurement Uncertainty

Item		U_{lab}
Radiated Spurious Emission	9kHz-150kHz	2.82dB
	150kHz-30MHz	2.74dB
	30MHz~1GHz	4.68dB
	1GHz~18GHz	5.00dB
	18GHz~26.5GHz	4.90dB
Occupied Channel Bandwidth		2%
Transmitter Conducted Power(Conducted RF power)		± 1.49 dB
Power Spectral Density		2.52dB
Duty Cycle		1%
Temperature		$\pm 1^{\circ}\text{C}$
Humidity		$\pm 5\%$
Supply voltages		$\pm 0.4\%$

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 engineering mode, which provided by manufacturer.	
Test mode:	Test mode 1: Transmitting
Test voltage:	DC 12V

Description of Test Configuration

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

Wi-Fi test in the engineer mode.

RF Test Tool: iwpriv

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

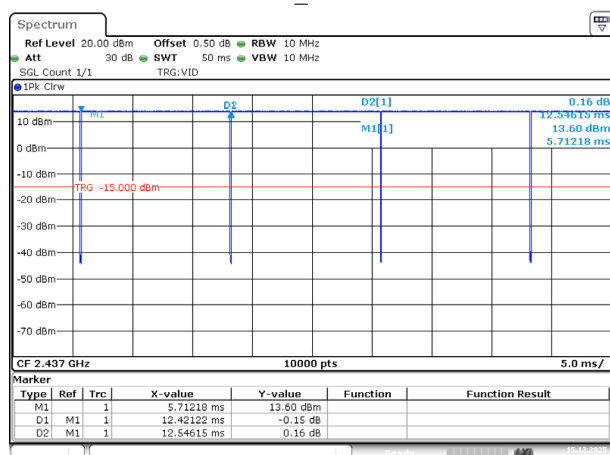
Test Modes	Test Channels	Test Frequency (MHz)	Data rate	Power Level Setting
802.11b	Lowest	2412	1Mbps	46
	Middle	2437	1Mbps	46
	Highest	2462	1Mbps	46
802.11g	Lowest	2412	6Mbps	44
	Middle	2437	6Mbps	44
	Highest	2462	6Mbps	44
802.11n ht20	Lowest	2412	MCS0	44
	Middle	2437	MCS0	44
	Highest	2462	MCS0	44
802.11n ht40	Lowest	2422	MCS0	40
	Middle	2437	MCS0	40
	Highest	2452	MCS0	40

Pre-scan with all the data rates, the above data rate is the worst case for Wi-Fi test.

Duty Cycle

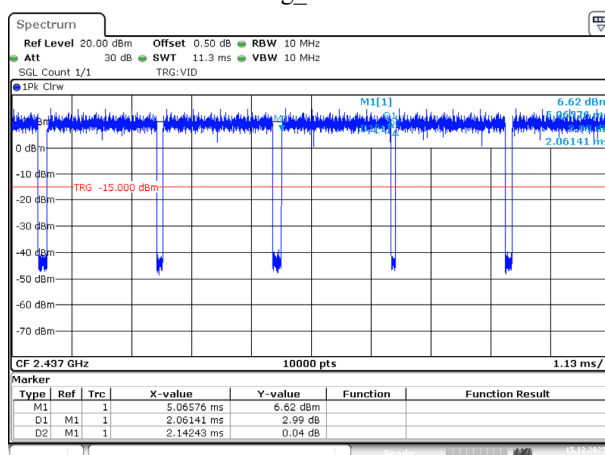
Test Mode:		Transmitting		Test Engineer:		Braylon Ma	
Test Date:		2025-12-15		Test Voltage:		DC 12V	
Environment:		Temp.: 23.9°C; Humi.: 46%; Atm :100.2kPa					
Modes	Ton (ms)	Ton+off (ms)	Duty Cycle (%)	1/T (Hz)	Duty Factor (dB)	VBW Setting (kHz)	
802.11b	12.421	12.546	99.00	/	/	0.01	
802.11g	2.061	2.142	96.22	485	0.17	0.50	
802.11n ht20	2.065	2.225	92.81	484	0.32	0.50	
802.11n ht40	2.064	2.161	95.51	484	0.20	0.50	

802.11b_2437MHz



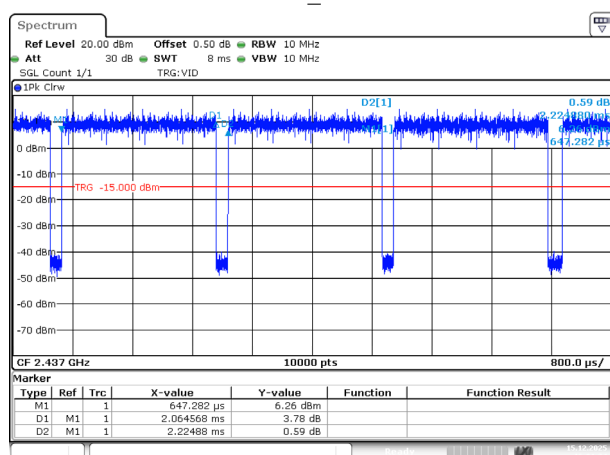
ProjectNo.: 2507Z22634E-RF Tester: Braylon Ma
Date: 15 DEC 2025 15:55:14

802.11g_2437MHz



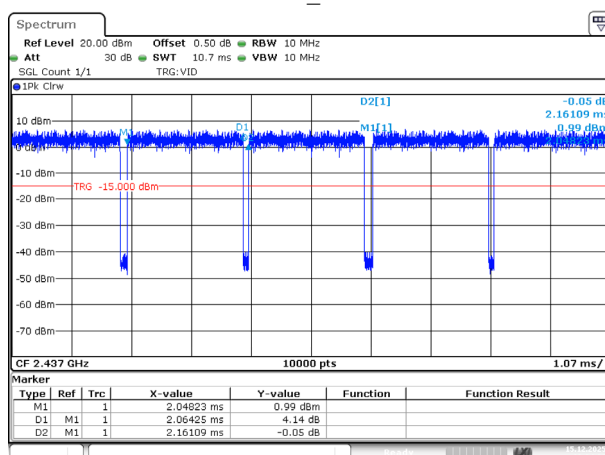
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Date: 15 DEC 2025 15:57:10

802.11n20_2437MHz



ProjectNo.: 2507Z22634E-RF Tester: Braylon Ma
Date: 15 DEC 2025 16:01:33

802.11n40_2437MHz



ProjectNo.: 2507Z22634E-RF Tester: Braylon Ma
Date: 15 DEC 2025 16:04:03

Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
Lenovo	Laptop	T480	PF1P5K4F
MAISHENG	DC source	N-606DS	2023115703

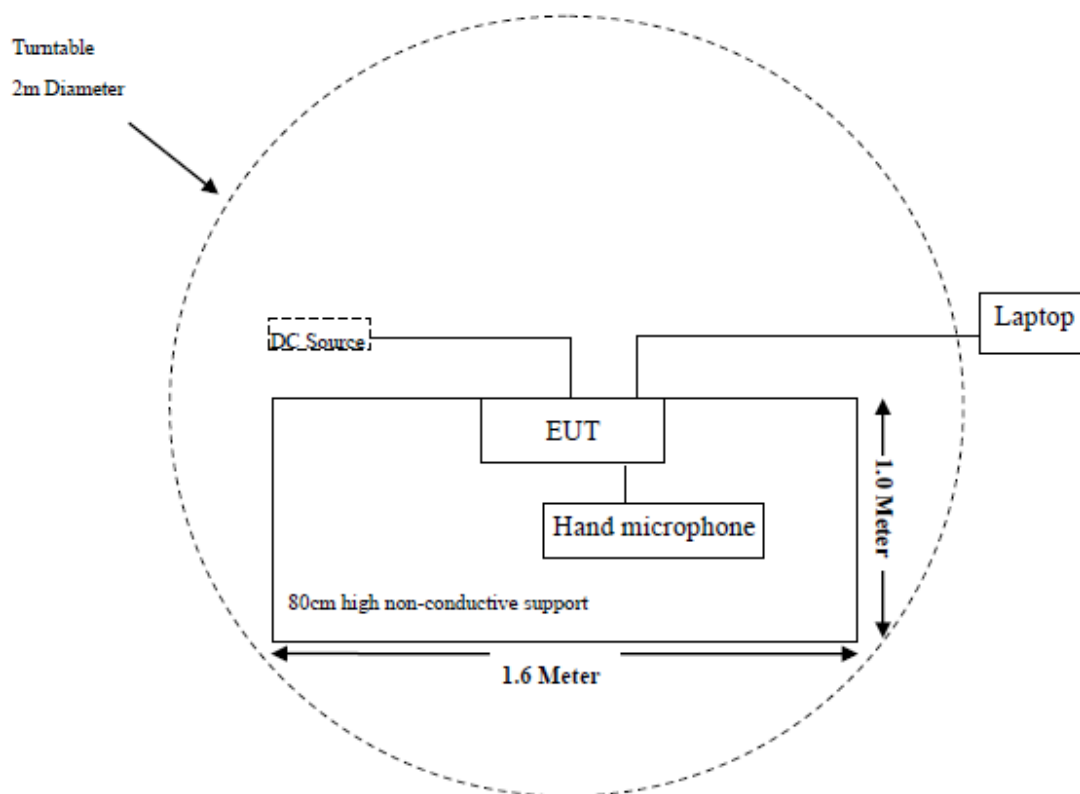
External I/O Cable

Cable Description	Length (m)	From Port	To
Power cable	10	EUT	DC source
USB Cable	10	EUT	Laptop

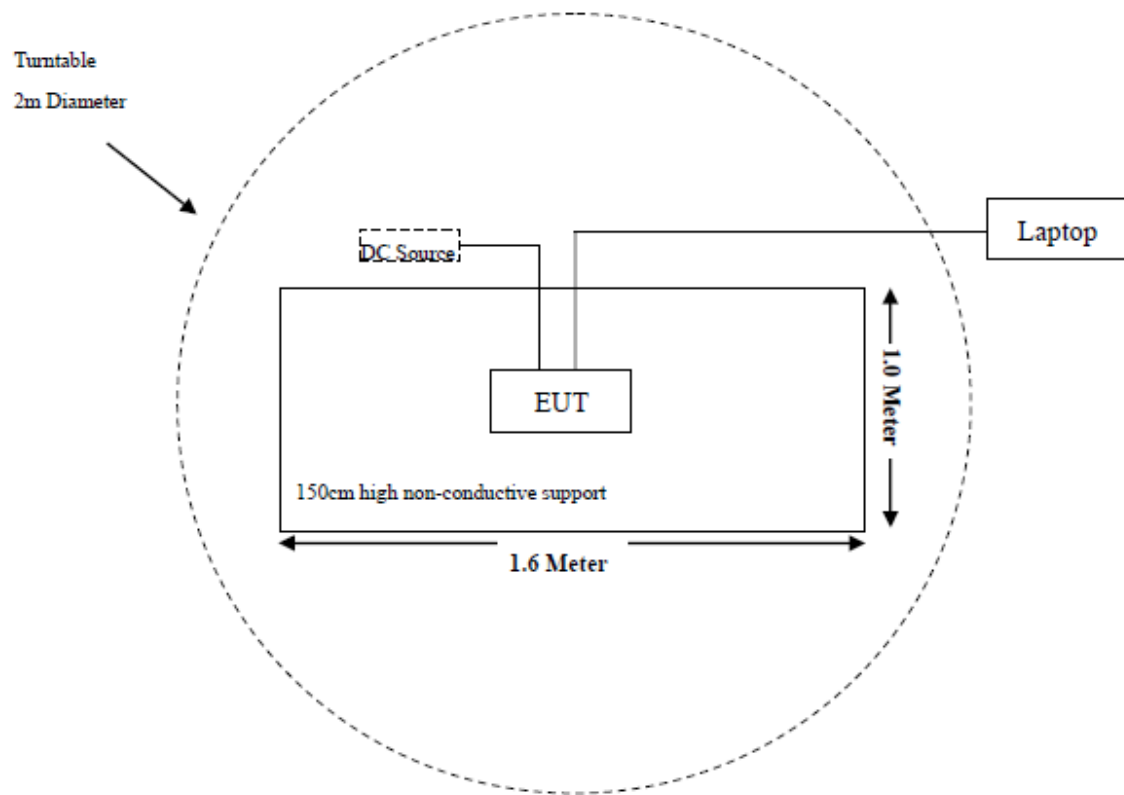
Block Diagram of Test Setup

Radiated Emission:

Below 1GHz



Above 1GHz



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§15.203	Antenna Requirement	Compliance
§15.207 (a)	AC Line Conducted Emissions	Not applicable (See Note 1)
§15.205, §15.209, §15.247(d)	Spurious Emissions	Compliance
§15.247 (a)(2)	6 dB Emission Bandwidth	Compliance
§15.247(b)(3)	Maximum Conducted Output Power	Compliance
§15.247(d)	100 kHz Bandwidth of Frequency Band Edge	Compliance
§15.247(e)	Power Spectral Density	Compliance

Note:

1. The device is power by DC source.

TEST EQUIPMENT LIST

Test Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due Date
Radiated Emissions Below 1GHz					
EMI Test Receiver	Rohde & Schwarz	ESR	103103	2025/02/20	2026/02/19
Loop Antenna	Rohde & Schwarz	HFH2-Z2	830749/001	2023/07/27	2026/07/26
Antenna	Sunol Sciences	JB6	A122022-5	2023/07/27	2026/07/26
Amplifier	Sonoma	310B	120903	2025/02/20	2026/02/19
Coaxial Cable	XINHANGWEIBO	XH400T-N-4M	CC002	2025/02/20	2026/02/19
Coaxial Cable	XINHANGWEIBO	XH460B-N-2M	CC006	2025/02/20	2026/02/19
Coaxial Cable	XINHANGWEIBO	XH460B-N-12M	CC007	2025/02/20	2026/02/19
Coaxial Cable	XINHANGWEIBO	HFH2-CC	335.3609	2025/02/20	2026/02/19
Test Software	Audix	E3	18621a	N/A	N/A
Radiated Emissions Above 1 GHz					
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102051	2025/02/20	2026/02/19
Filter Switch Unit	Decentest	DT7220FSU	DS79904	2025/02/21	2026/02/20
Multiplex Switch Test Control Set	Decentest	DT7220SCU	DS79901	2025/02/21	2026/02/20
Horn Antenna	EMCO	3115	9002-3355	2024/11/19	2027/11/18
Preamplifier	GLOBAL	1313-A100M18G	4121301	2025/01/16	2026/01/15
Coaxial Cable	XINHANGWEIBO	XH800A-N-6M	CC003	2025/02/20	2026/02/19
Coaxial Cable	XINHANGWEIBO	XH800A-N-1M	CC005	2025/02/20	2026/02/19
Horn Antenna	EMCO	3116	9407-2232	2023/07/31	2026/07/30
Preamplifier	A.H.Systems	PAM-1840	200	2025/02/20	2026/02/19
Coaxial Cable	XINHANGWEIBO	XH360A-2.92-3M	CC008	2025/02/20	2026/02/19
Coaxial Cable	XINHANGWEIBO	XH360A-2.92-1M	CC009	2025/02/20	2026/02/19
Test Software	Audix	E3	18621a	N/A	N/A
RF Conducted Test					
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102051	2025/02/20	2026/02/19
USB Wideband Power Sensor	Boonton	55318	8934	2025/09/08	2026/09/07
Test Software	JD	JDAutoTestSystem	1.0.0.3813	N/A	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 - ANTENNA REQUIREMENT

Applicable Standard

According to § 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 user 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 6 dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

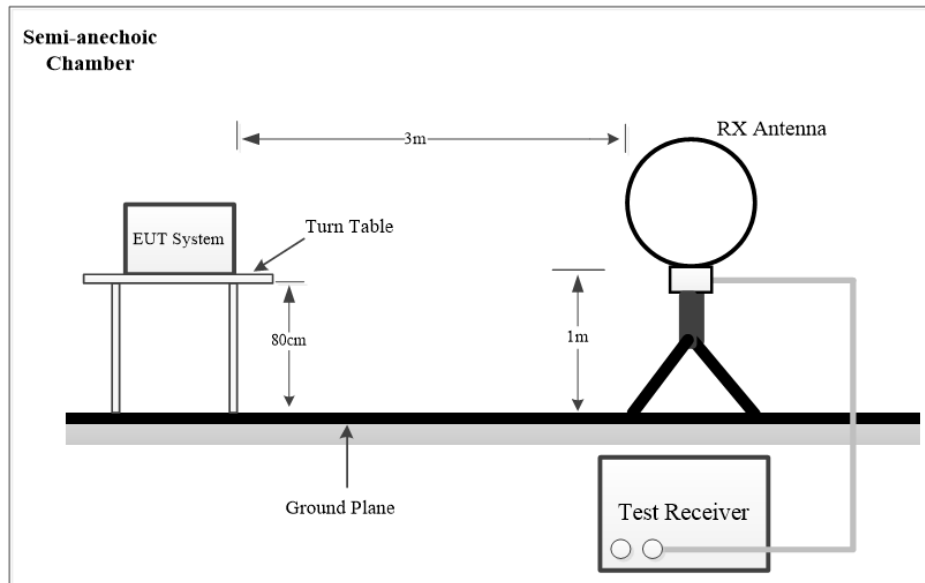
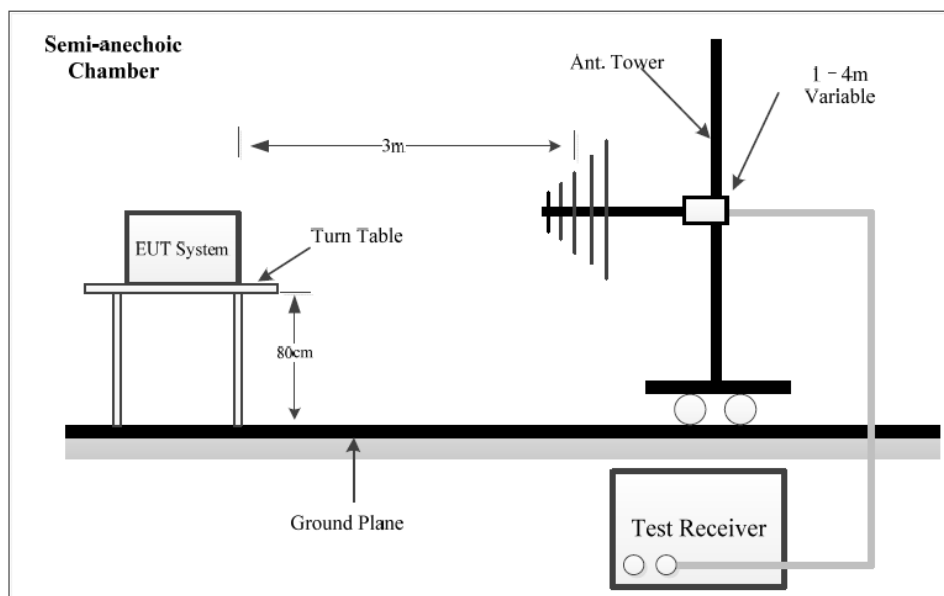
Antenna Connector Construction

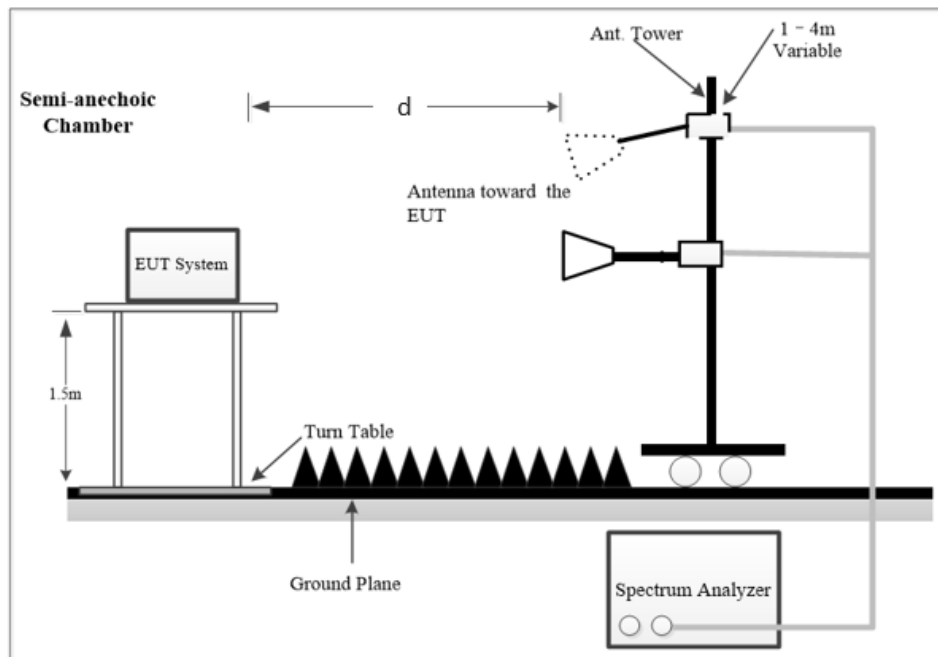
The EUT has one ceramic antenna arrangement for WIFI, which was permanently attached and the antenna gain is 1dBi, fulfill the requirement of this section. Please refer to the EUT photos.

Result: Compliance

FCC §15.209, §15.205 & §15.247(d) - SPURIOUS EMISSIONS**Applicable Standard**

FCC §15.247 (d); §15.209; §15.205;

EUT Setup**9 kHz-30MHz****Below 1 GHz:**

Above 1GHz:

The radiated emission tests using the setup accordance with the ANSI C63.10-2020. The specification used was the FCC 15.209, and FCC 15.247 limits.

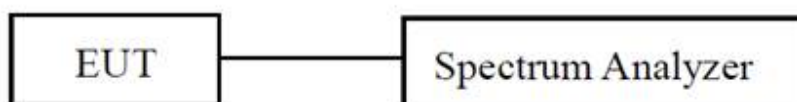
NOTE:

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, 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= 6dB

Antenna-port conducted emission:

Note: A short RF cable with low cable loss connected to the EUT antenna port. The insert loss of this RF cable

was TDF into the setting of test equipment:

TDF = Insert loss of RF cable

★ The Insert loss was declared by manufacturer.

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

Radiated Emissions:

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.

Antenna-port conducted emission:

Connect the primary antenna port through an attenuator to the spectrum analyzer input; in the results, account for all losses between the unlicensed wireless device output and the spectrum analyzer. The frequency range of testing shall span 30 MHz to 10 times the operating frequency and this may be done in a single sweep or, to aid resolution, across a number of sweeps. The resolution bandwidth shall be 100 kHz, video bandwidth 300 kHz, and a coupled sweep time with a peak detector.

The limit is based on the highest in-band level across all channels measured using the same instrument settings (resolution bandwidth of 100 kHz, video bandwidth of 300 kHz, and a coupled sweep time with a peak detector). To help clearly demonstrate compliance a display line may be set at the required offset (typically 20 dB) below the highest in-band level. Where the highest in-band level is not clearly identified in the out-of-band measurements a separate spectral plot showing the in-band level shall be provided. When conducted measurements cannot be made (for example a device with integrated, non-removable antenna) radiated measurements shall be used. The reference level for determining the limit shall be established by maximizing the field strength from the highest power channel and measuring using the resolution and video bandwidth settings and peak detector as described above. The field strength limit for spurious emissions outside of restricted-bands shall then be set at the required offset (typically 20 dB) below the highest in-band level. Radiated measurements will follow the standards measurement procedures described in Clause 6 with the exception that the resolution bandwidth shall be 100 kHz, video bandwidth 300 kHz, and a coupled sweep time with a peak detector. Note that use of wider measurement bandwidths are acceptable for measuring the spurious emissions provided that the peak detector is used and that the measured value of spurious emissions are compared to the highest in-band level measured with the 100 kHz / 300 kHz bandwidth settings to determine compliance.

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:

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

Test Data

Please refer to the below table and plots.

Frequency Range:	Below 1 GHz	Above 1 GHz	Antenna-port emission	conducted
Temperature:	21.9°C	21.6°C~21.9°C	23.9°C	
Relative Humidity:	52 %	43% ~52 %	46%	
ATM Pressure:	100.1kPa	100.1kPa	100.2kPa	
Test Date:	2025-12-22	2025-12-21~2025-12-22	2025-12-15	
Test Engineer:	Wlif Wu	Wlif Wu	Braylon Ma	

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

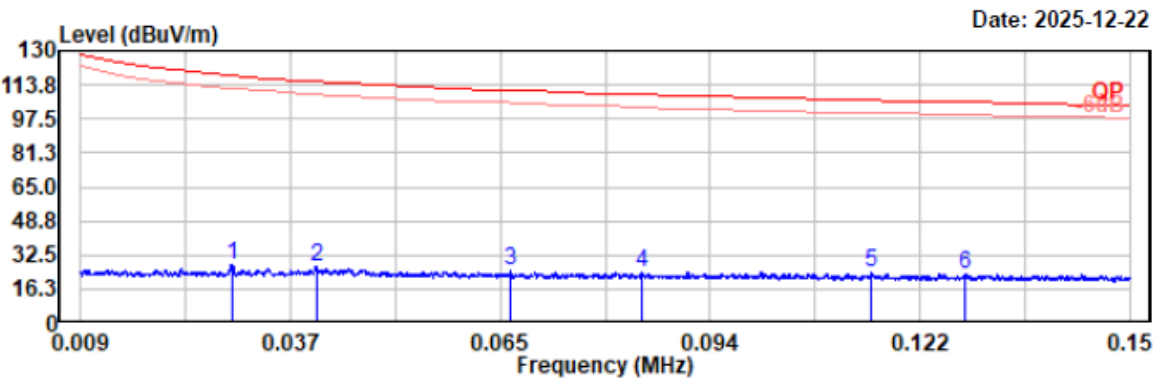
1) 9 kHz~30MHz

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

Note: The maximum output power mode: WiFi 802.11n20 low channel was tested.

Project No.: 2507Z22634E-RF
Test Mode: 802.11n20 2412MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V

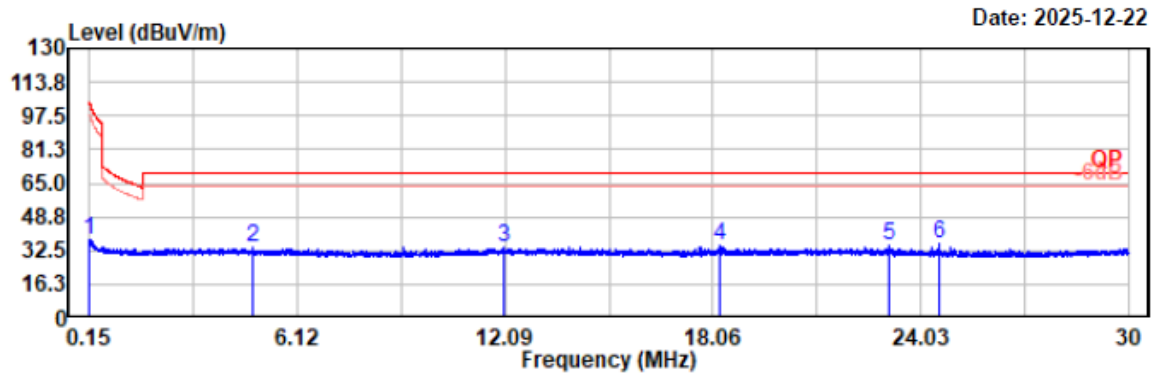


Condition: PK RBW:300Hz VBW:1kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
0.029	7.89	19.90	27.79	118.26	90.47	Peak
0.041	7.12	19.91	27.03	115.43	88.40	Peak
0.067	4.84	19.84	24.68	111.12	86.44	Peak
0.084	4.36	19.75	24.11	109.08	84.97	Peak
0.115	4.10	19.73	23.83	106.37	82.54	Peak
0.128	3.65	19.73	23.38	105.47	82.09	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11n20 2412MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V



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

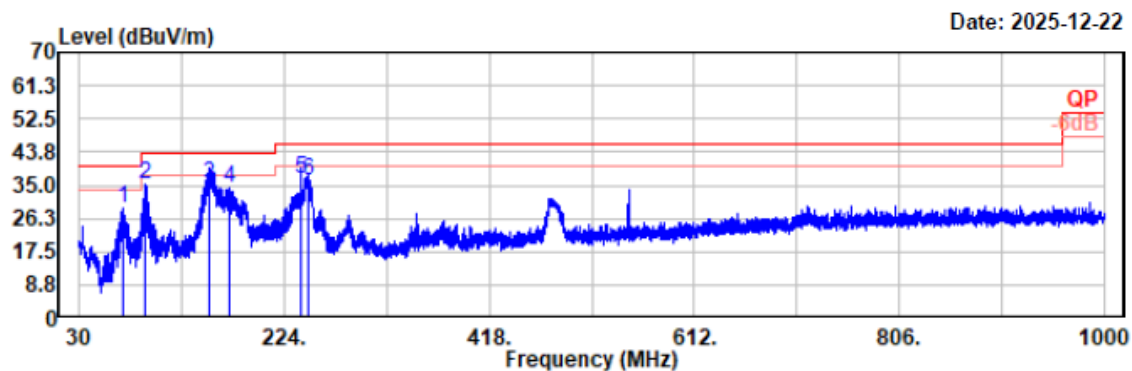
Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Remark
0.165	17.87	19.72	37.59	103.26	65.67	Peak
4.825	14.40	19.69	34.09	69.54	35.45	Peak
12.051	14.13	19.72	33.85	69.54	35.69	Peak
18.242	15.16	19.97	35.13	69.54	34.41	Peak
23.129	14.61	20.17	34.78	69.54	34.76	Peak
24.579	15.32	20.21	35.53	69.54	34.01	Peak

2) 30MHz -1GHz

Note: The maximum output power mode: WiFi 802.11n20 low channel was tested.

Project No.: 2507Z22634E-RF
Test Mode: 802.11n20 2412MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V

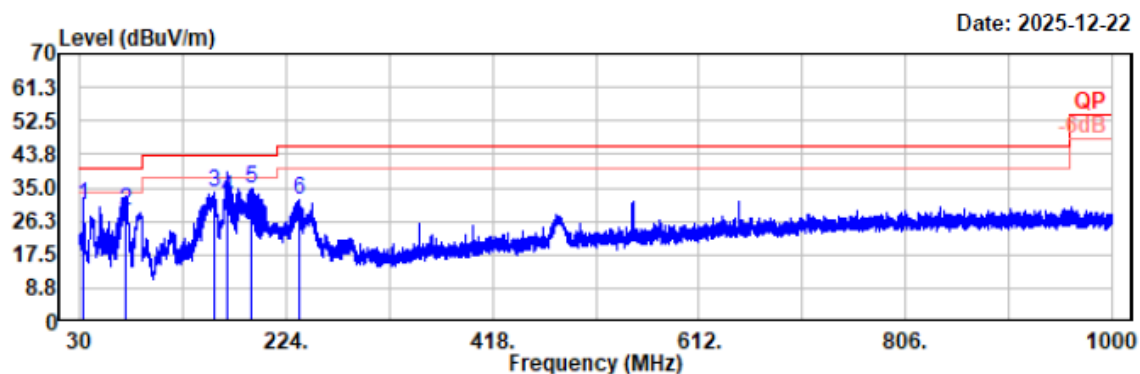


Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
71.23	45.98	-17.05	28.93	40.00	11.07	Horizontal	Peak
92.37	51.85	-16.84	35.01	43.50	8.49	Horizontal	Peak
153.60	46.38	-11.26	35.12	43.50	8.38	Horizontal	QP
172.11	46.34	-11.94	34.40	43.50	9.10	Horizontal	Peak
240.01	48.19	-11.69	36.50	46.00	9.50	Horizontal	QP
246.02	47.50	-11.44	36.06	46.00	9.94	Horizontal	QP

Project No.: 2507Z22634E-RF
Test Mode: 802.11n20 2412MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V



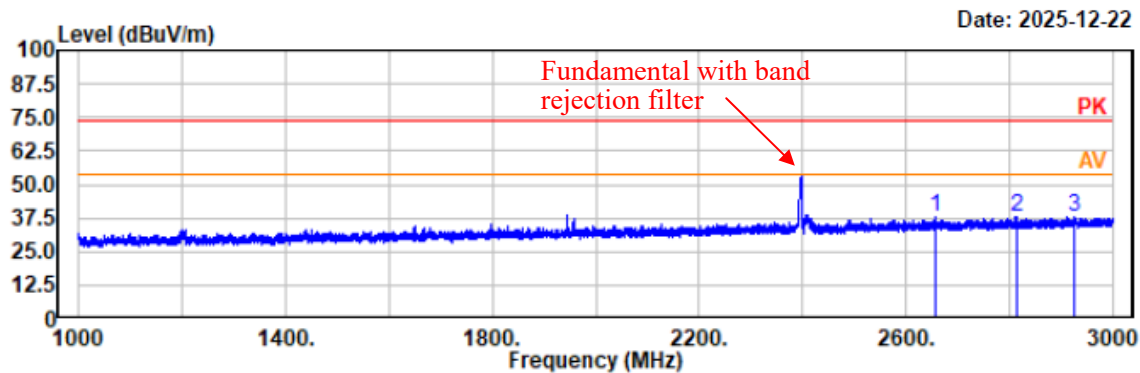
Condition: PK RBW:100kHz VBW:300kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
33.30	37.67	-7.11	30.56	40.00	9.44	Vertical	QP
73.17	46.00	-17.05	28.95	40.00	11.05	Vertical	QP
156.00	44.86	-11.30	33.56	43.50	9.94	Vertical	Peak
168.75	44.03	-11.81	32.22	43.50	11.28	Vertical	QP
191.60	46.89	-12.17	34.72	43.50	8.78	Vertical	Peak
236.13	43.59	-11.95	31.64	46.00	14.36	Vertical	Peak

3) 1GHz~3GHz

Project No.: 2507Z22634E-RF
Test Mode: 802.11b 2412MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V

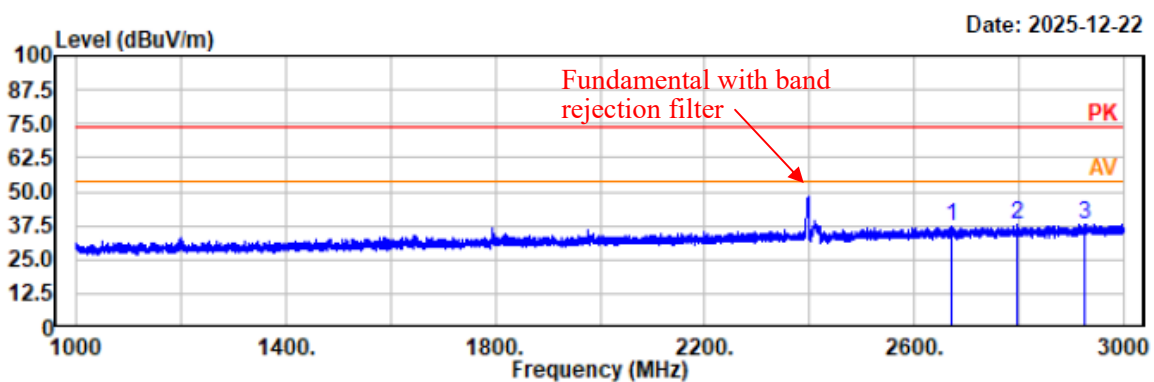


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2658.40	48.05	-10.17	37.88	74.00	36.12	horizontal	Peak
2814.00	47.71	-9.74	37.97	74.00	36.03	horizontal	Peak
2926.60	47.13	-9.37	37.76	74.00	36.24	horizontal	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11b 2412MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V



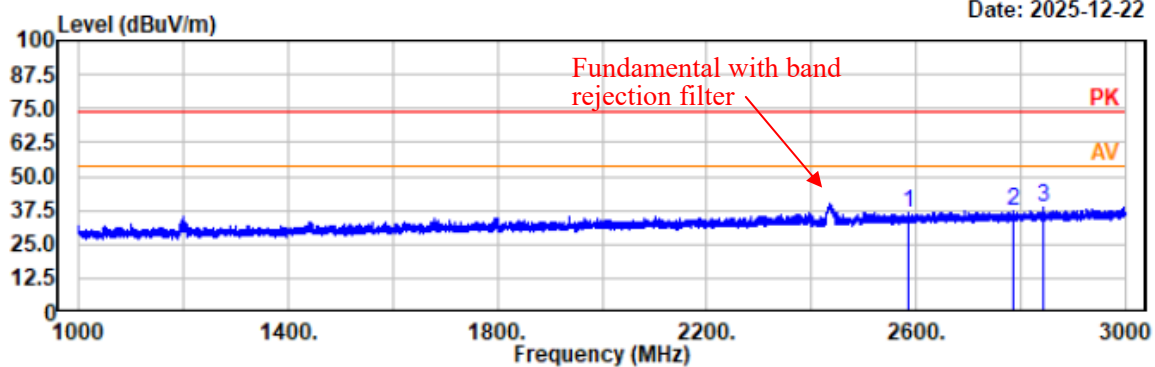
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2670.60	47.04	-10.12	36.92	74.00	37.08	vertical	Peak
2795.00	47.69	-9.80	37.89	74.00	36.11	vertical	Peak
2924.40	47.63	-9.38	38.25	74.00	35.75	vertical	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11b 2437MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V

Date: 2025-12-22

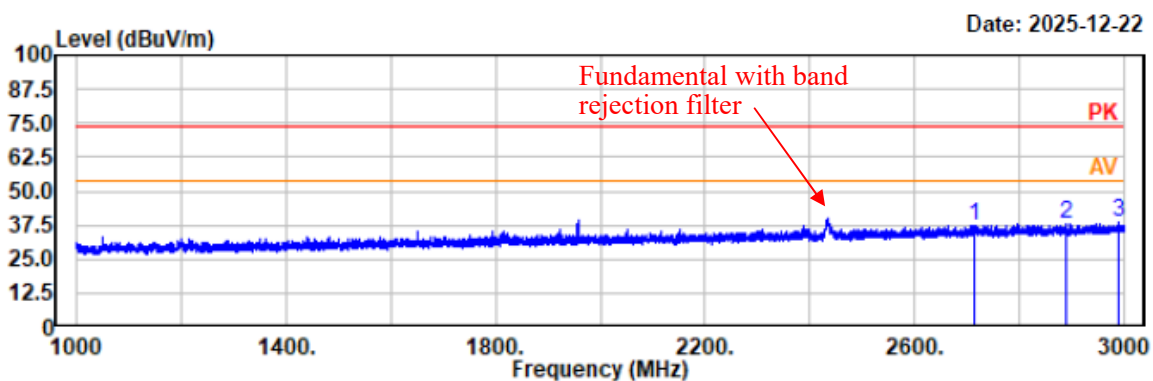


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2584.80	47.24	-10.46	36.78	74.00	37.22	horizontal	Peak
2785.00	47.02	-9.84	37.18	74.00	36.82	horizontal	Peak
2844.60	48.07	-9.64	38.43	74.00	35.57	horizontal	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11b 2437MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V

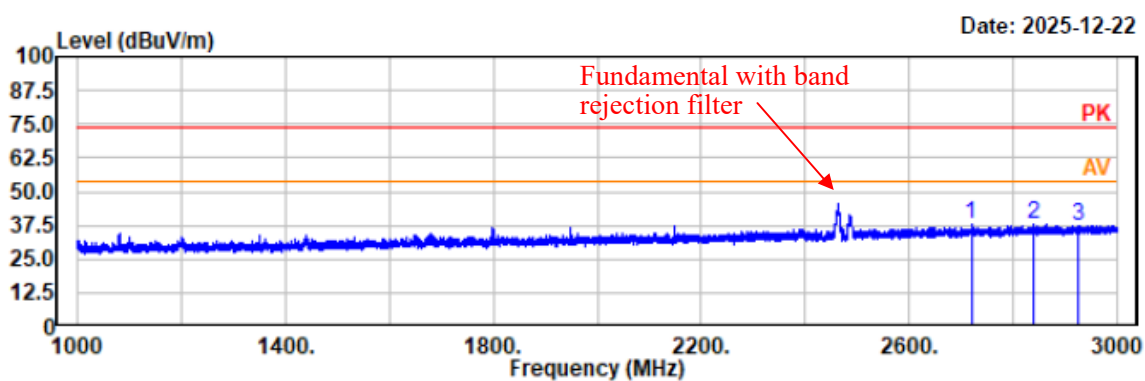


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2712.60	47.52	-9.98	37.54	74.00	36.46	vertical	Peak
2889.80	47.80	-9.57	38.23	74.00	35.77	vertical	Peak
2991.60	47.73	-8.99	38.74	74.00	35.26	vertical	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11b 2462MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V

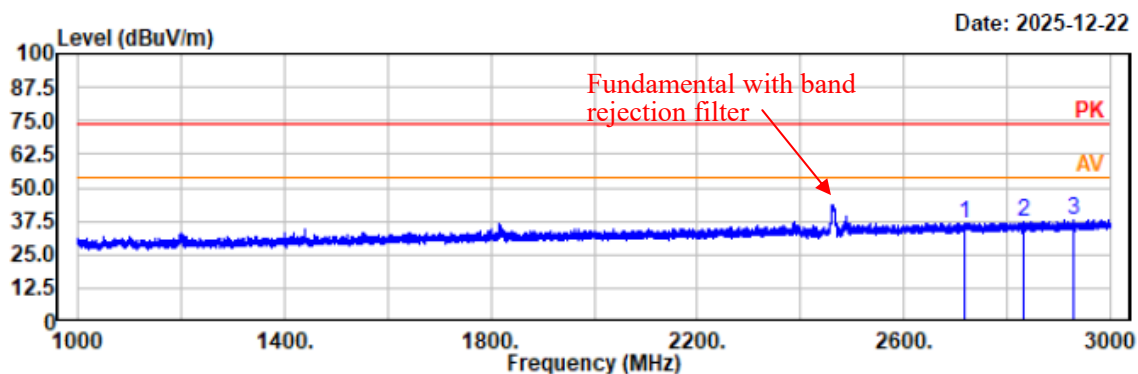


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2719.60	47.96	-9.98	37.98	74.00	36.02	horizontal	Peak
2840.00	47.31	-9.65	37.66	74.00	36.34	horizontal	Peak
2924.20	46.92	-9.38	37.54	74.00	36.46	horizontal	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11b 2462MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V

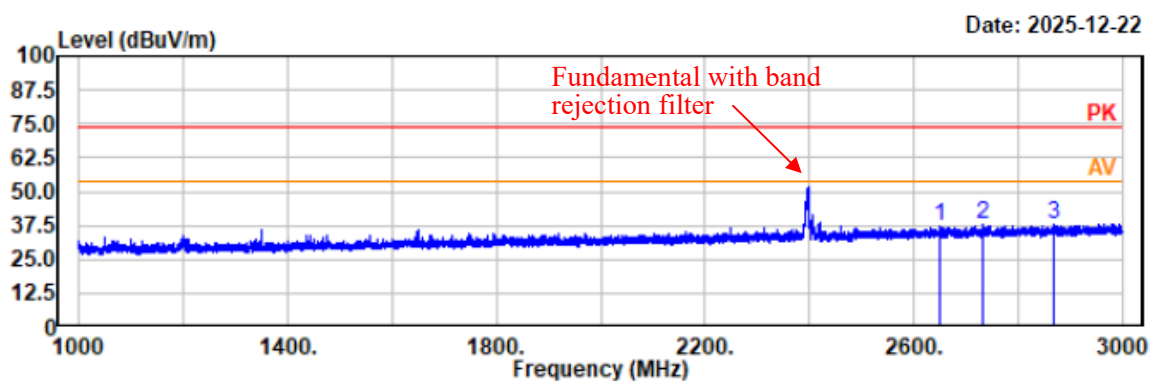


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2718.60	46.83	-9.98	36.85	74.00	37.15	vertical	Peak
2830.80	46.76	-9.68	37.08	74.00	36.92	vertical	Peak
2930.60	47.35	-9.34	38.01	74.00	35.99	vertical	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11g 2412MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V



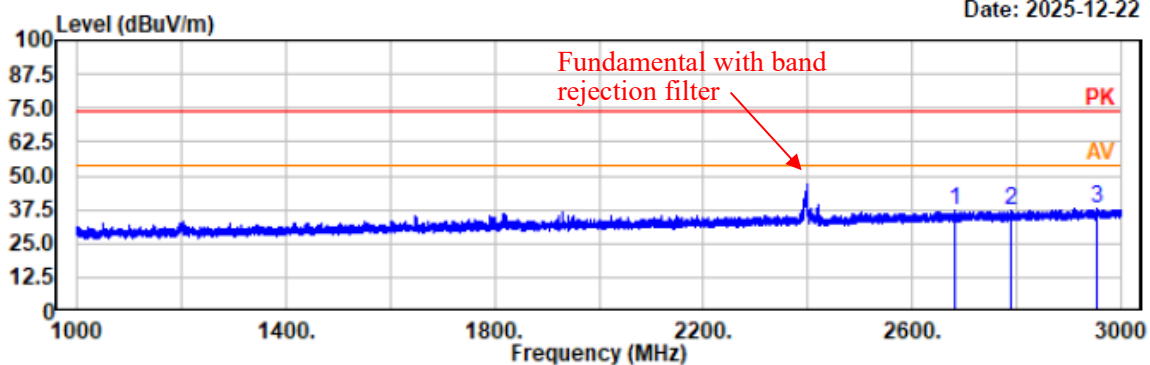
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2649.80	47.20	-10.20	37.00	74.00	37.00	horizontal	Peak
2731.80	47.79	-9.97	37.82	74.00	36.18	horizontal	Peak
2868.40	47.42	-9.59	37.83	74.00	36.17	horizontal	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11g 2412MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V

Date: 2025-12-22

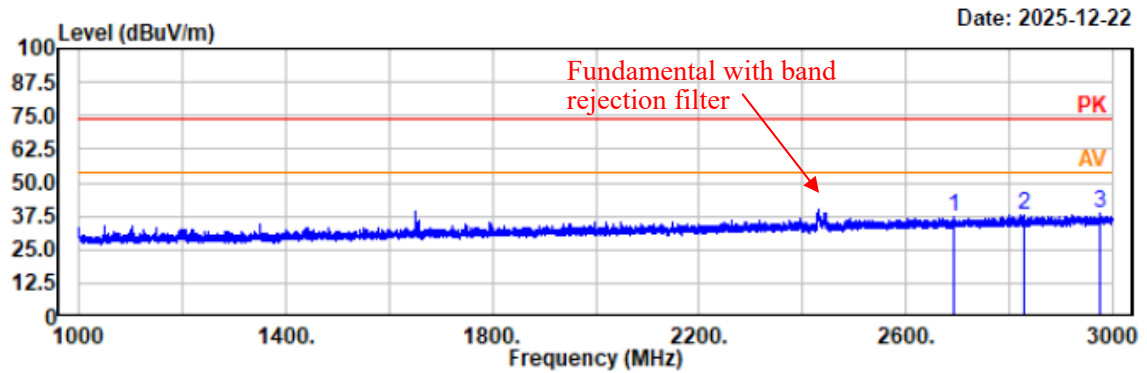


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2680.40	47.08	-10.08	37.00	74.00	37.00	vertical	Peak
2789.40	47.12	-9.82	37.30	74.00	36.70	vertical	Peak
2952.60	47.12	-9.19	37.93	74.00	36.07	vertical	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11g 2437MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V



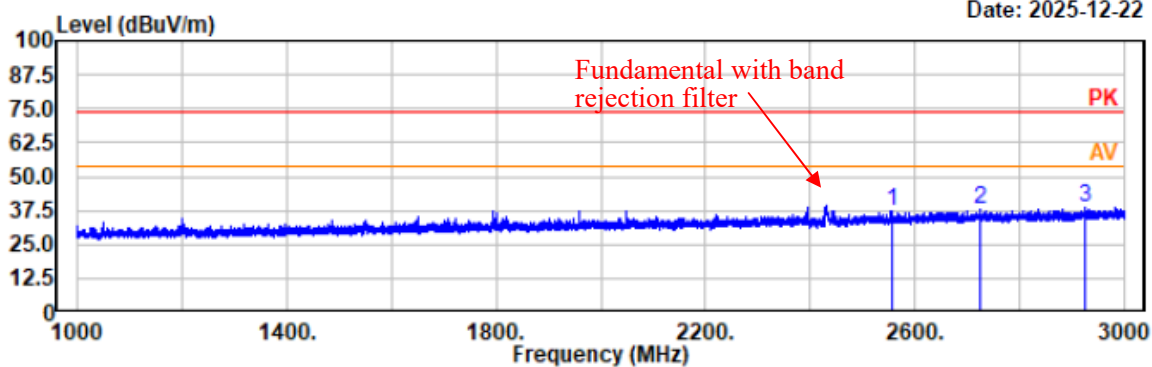
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2691.40	47.38	-10.03	37.35	74.00	36.65	horizontal	Peak
2829.60	47.89	-9.68	38.21	74.00	35.79	horizontal	Peak
2976.20	47.95	-9.07	38.88	74.00	35.12	horizontal	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11g 2437MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V

Date: 2025-12-22

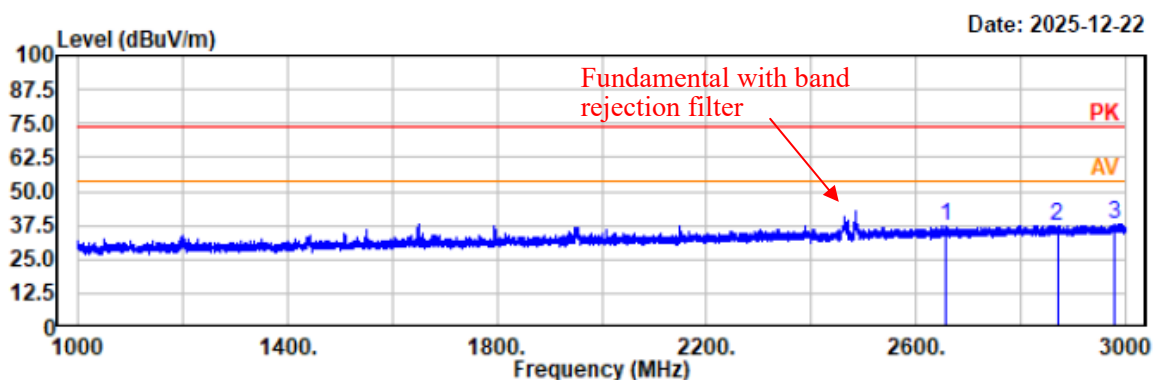


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2557.80	47.87	-10.57	37.30	74.00	36.70	vertical	Peak
2726.40	47.74	-9.98	37.76	74.00	36.24	vertical	Peak
2925.00	47.69	-9.38	38.31	74.00	35.69	vertical	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11g 2462MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V



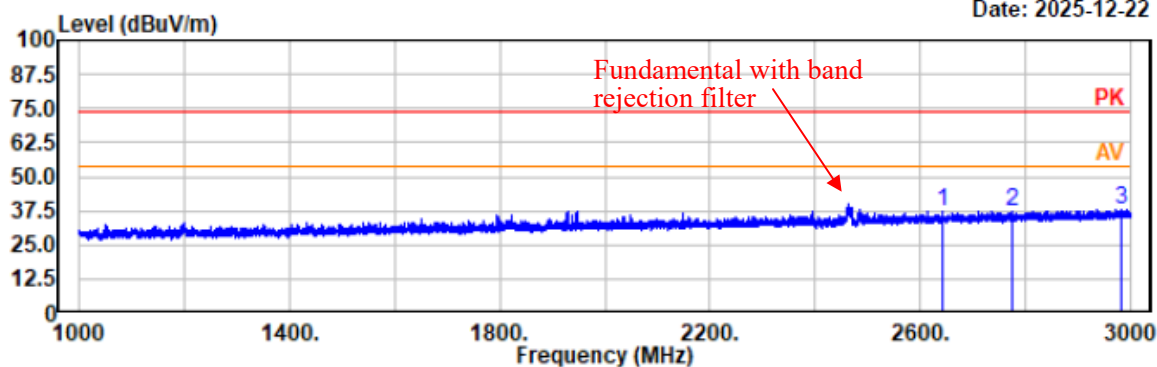
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2656.40	47.32	-10.17	37.15	74.00	36.85	horizontal	Peak
2870.00	47.08	-9.60	37.48	74.00	36.52	horizontal	Peak
2980.80	47.16	-9.05	38.11	74.00	35.89	horizontal	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11g 2462MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V

Date: 2025-12-22

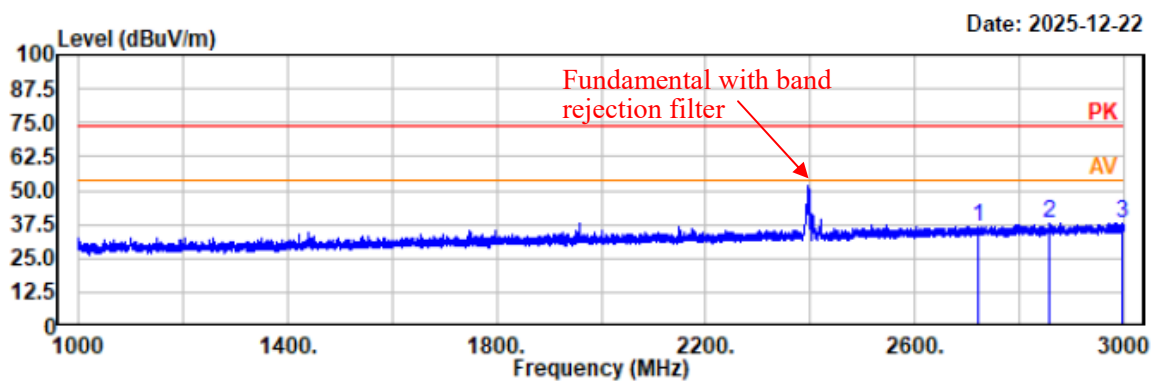


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2643.40	47.63	-10.23	37.40	74.00	36.60	vertical	Peak
2775.20	47.19	-9.87	37.32	74.00	36.68	vertical	Peak
2983.80	46.85	-9.02	37.83	74.00	36.17	vertical	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11n20 2412MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V

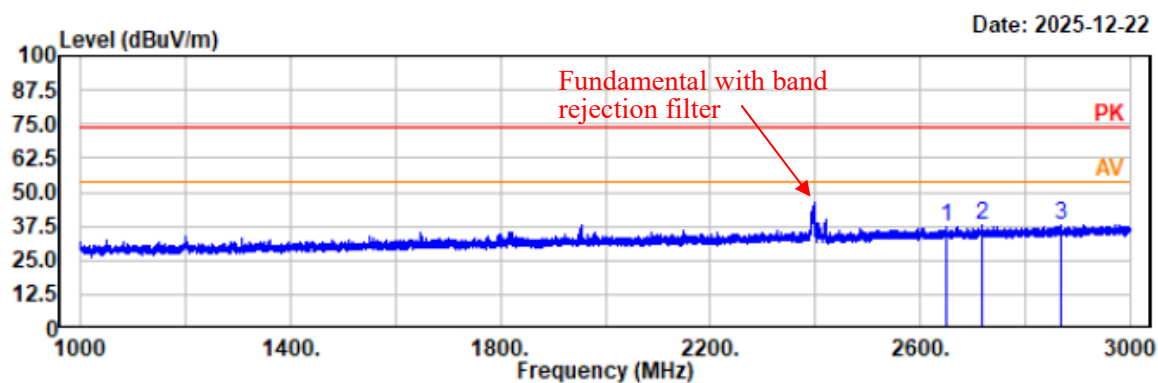


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2720.40	46.88	-9.98	36.90	74.00	37.10	horizontal	Peak
2859.20	47.53	-9.61	37.92	74.00	36.08	horizontal	Peak
2998.00	47.09	-8.96	38.13	74.00	35.87	horizontal	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11n20 2412MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V



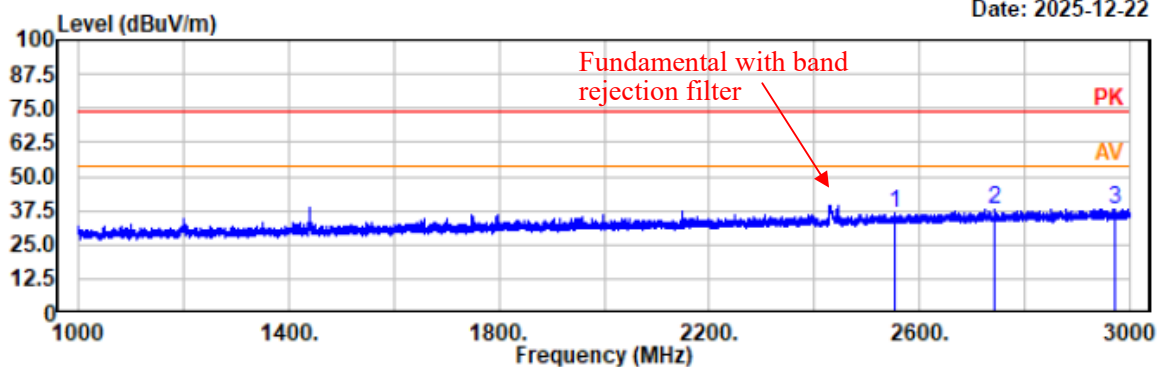
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBUV	Factor dB/m	Result dBUV/m	Limit dBUV/m	Margin dB	Polarity	Remark
2649.40	47.32	-10.20	37.12	74.00	36.88	vertical	Peak
2718.60	47.90	-9.98	37.92	74.00	36.08	vertical	Peak
2869.20	47.43	-9.60	37.83	74.00	36.17	vertical	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11n20 2437MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V

Date: 2025-12-22



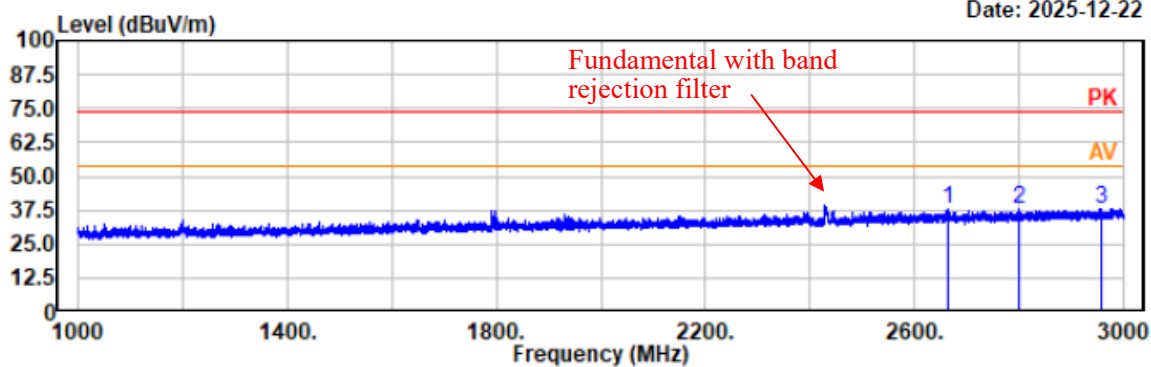
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2552.60	46.89	-10.59	36.30	74.00	37.70	horizontal	Peak
2743.60	47.74	-9.95	37.79	74.00	36.21	horizontal	Peak
2973.20	47.24	-9.08	38.16	74.00	35.84	horizontal	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11n20 2437MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V

Date: 2025-12-22



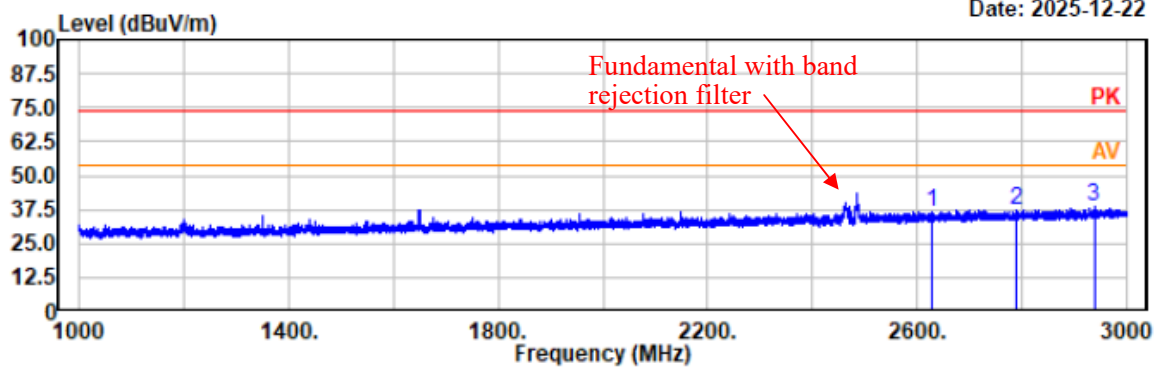
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2665.20	48.12	-10.14	37.98	74.00	36.02	vertical	Peak
2799.40	47.66	-9.79	37.87	74.00	36.13	vertical	Peak
2958.00	47.10	-9.17	37.93	74.00	36.07	vertical	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11n20 2462MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V

Date: 2025-12-22

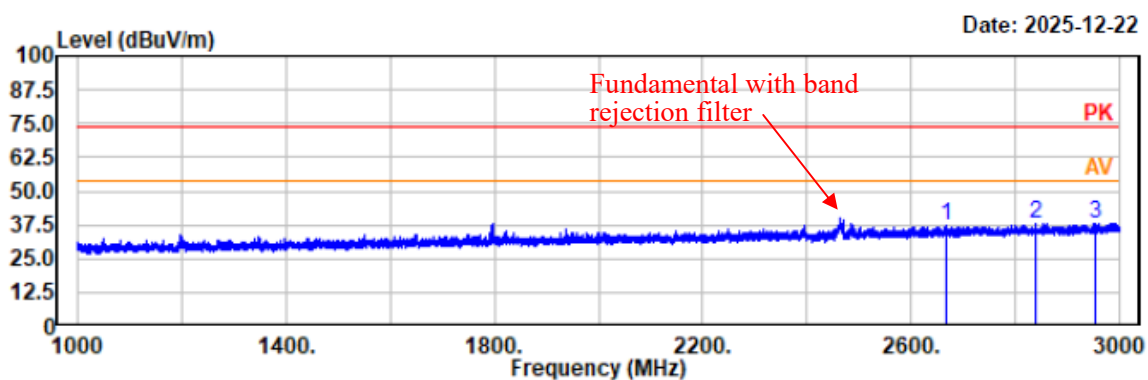


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2626.80	47.01	-10.29	36.72	74.00	37.28	horizontal	Peak
2790.40	47.25	-9.82	37.43	74.00	36.57	horizontal	Peak
2938.00	47.58	-9.29	38.29	74.00	35.71	horizontal	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11n20 2462MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V

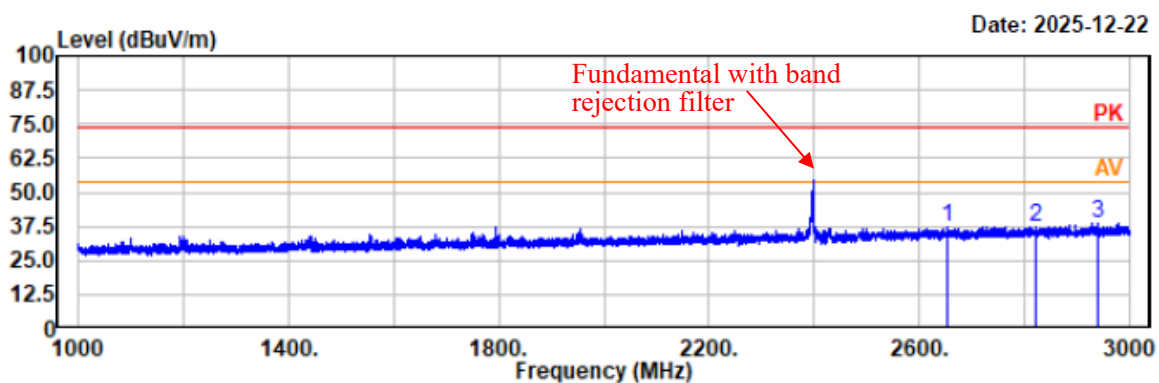


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2669.00	47.12	-10.12	37.00	74.00	37.00	vertical	Peak
2838.40	47.73	-9.66	38.07	74.00	35.93	vertical	Peak
2954.20	46.94	-9.18	37.76	74.00	36.24	vertical	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11n40 2422MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V



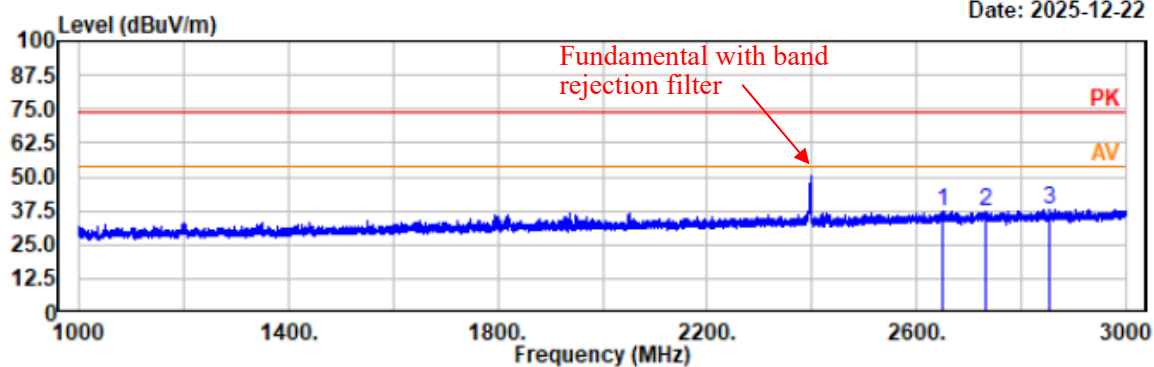
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2654.00	47.60	-10.18	37.42	74.00	36.58	horizontal	Peak
2823.40	47.02	-9.71	37.31	74.00	36.69	horizontal	Peak
2939.80	48.04	-9.27	38.77	74.00	35.23	horizontal	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11n40 2422MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V

Date: 2025-12-22



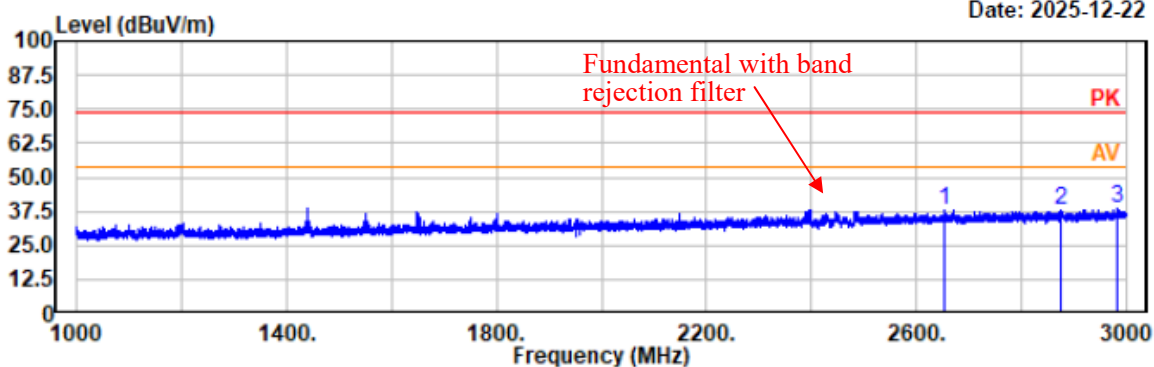
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2649.00	47.44	-10.20	37.24	74.00	36.76	vertical	Peak
2731.20	47.39	-9.97	37.42	74.00	36.58	vertical	Peak
2852.40	47.84	-9.62	38.22	74.00	35.78	vertical	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11n40 2437MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V

Date: 2025-12-22

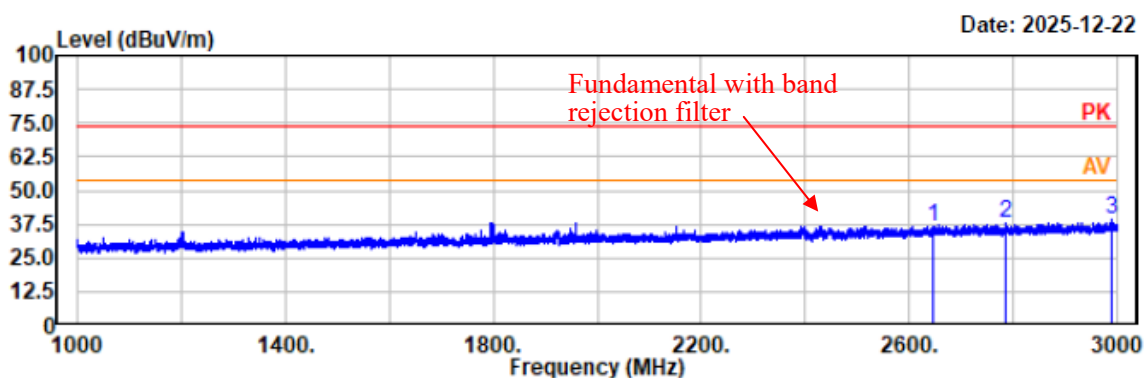


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2653.80	48.01	-10.18	37.83	74.00	36.17	horizontal	Peak
2873.80	47.63	-9.59	38.04	74.00	35.96	horizontal	Peak
2982.40	47.82	-9.04	38.78	74.00	35.22	horizontal	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11n40 2437MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V

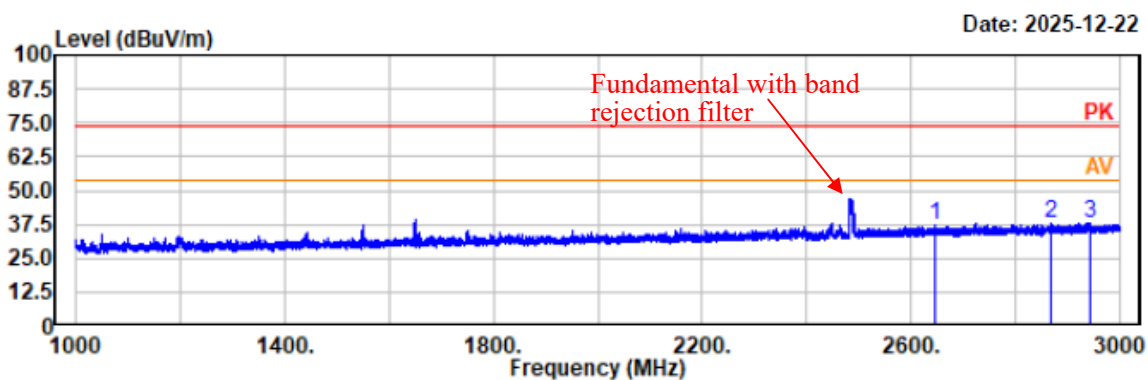


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2646.00	46.76	-10.22	36.54	74.00	37.46	vertical	Peak
2787.60	47.80	-9.83	37.97	74.00	36.03	vertical	Peak
2989.40	48.29	-9.00	39.29	74.00	34.71	vertical	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11n40 2452MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V

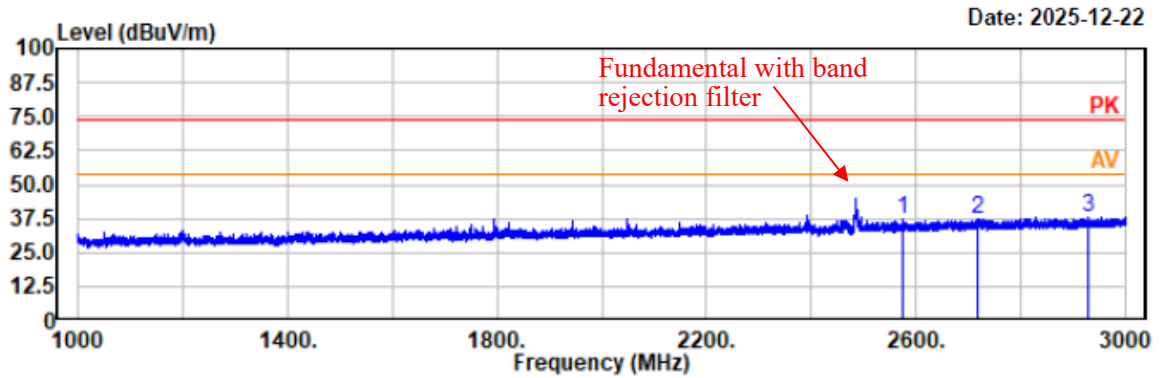


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2646.60	47.50	-10.21	37.29	74.00	36.71	horizontal	Peak
2869.00	47.81	-9.60	38.21	74.00	35.79	horizontal	Peak
2944.60	47.00	-9.24	37.76	74.00	36.24	horizontal	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11n40 2452MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V



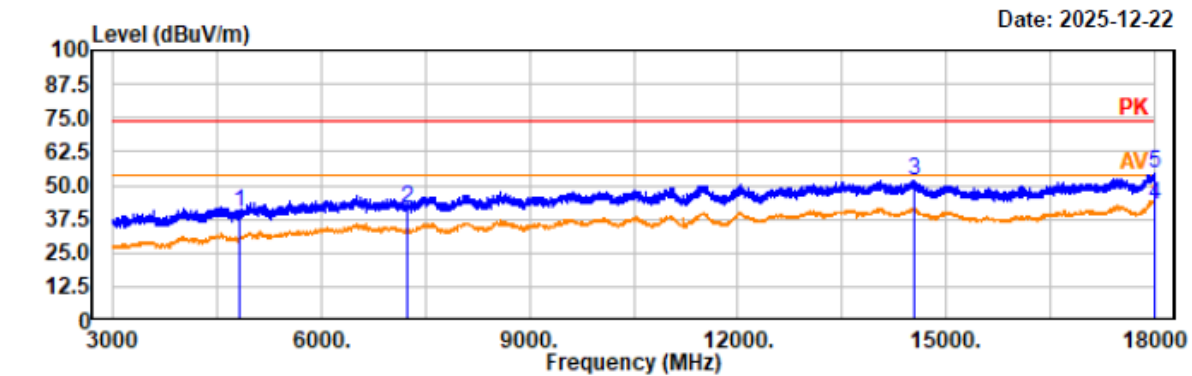
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2573.40	47.88	-10.51	37.37	74.00	36.63	vertical	Peak
2717.00	47.12	-9.99	37.13	74.00	36.87	vertical	Peak
2929.80	47.56	-9.34	38.22	74.00	35.78	vertical	Peak

4) 3GHz~18GHz

Project No.: 2507Z22634E-RF
Test Mode: 802.11b 2412MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V



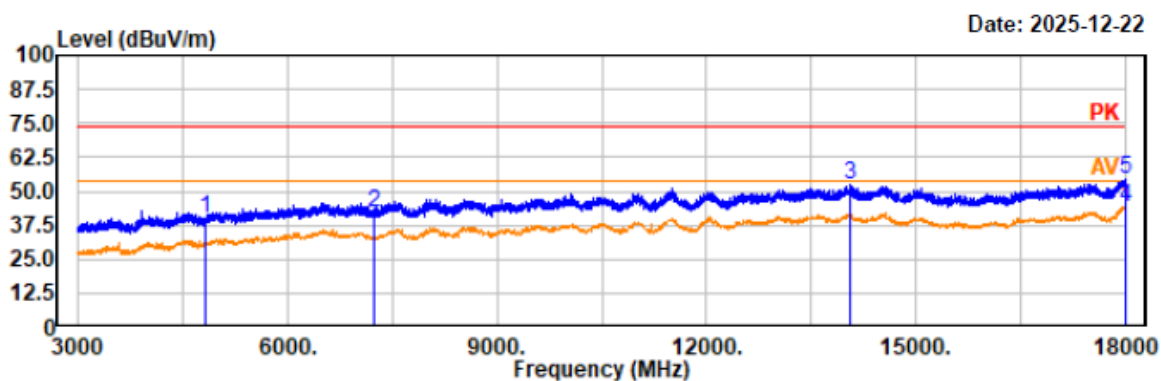
Trace: 1

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	45.00	-5.26	39.74	74.00	34.26	horizontal	Peak
7236.00	43.65	-2.47	41.18	74.00	32.82	horizontal	Peak
14547.00	47.01	5.04	52.05	74.00	21.95	horizontal	Peak
17997.00	36.09	6.91	43.00	54.00	11.00	horizontal	Average
17997.00	47.24	6.91	54.15	74.00	19.85	horizontal	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11b 2412MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V



Trace: 1

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

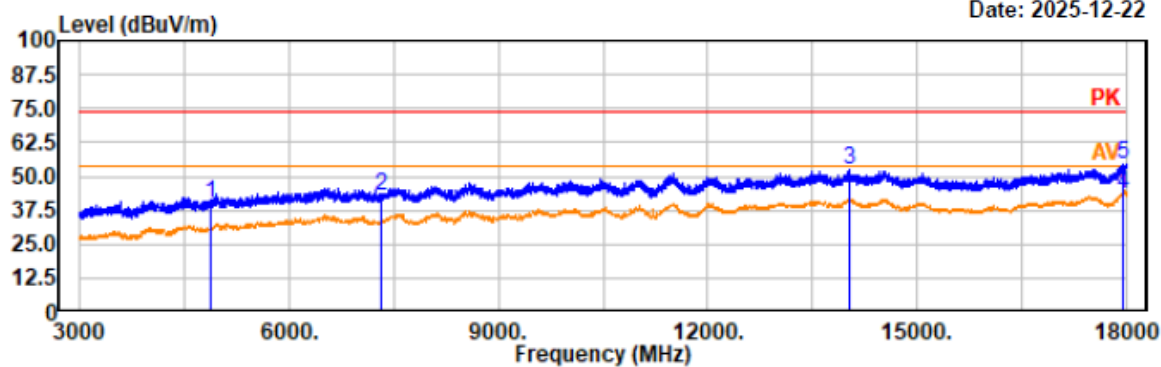
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4824.00	45.27	-5.26	40.01	74.00	33.99	vertical	Peak
7236.00	44.46	-2.47	41.99	74.00	32.01	vertical	Peak
14070.00	47.15	5.29	52.44	74.00	21.56	vertical	Peak
17994.00	37.42	6.90	44.32	54.00	9.68	vertical	Average
17994.00	47.46	6.90	54.36	74.00	19.64	vertical	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11b 2437MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V

Date: 2025-12-22



Trace: 1

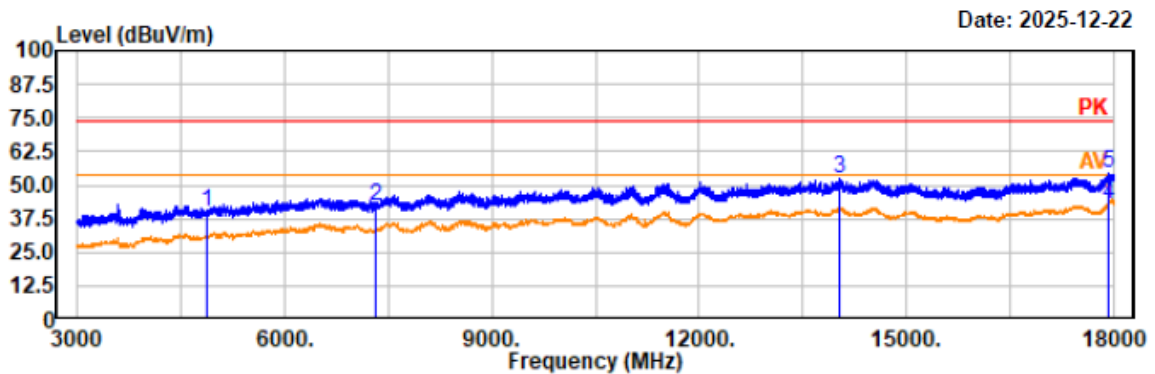
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

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	44.97	-5.29	39.68	74.00	34.32	horizontal	Peak
7311.00	44.88	-2.28	42.60	74.00	31.40	horizontal	Peak
14034.00	47.05	5.25	52.30	74.00	21.70	horizontal	Peak
17953.50	36.28	6.86	43.14	54.00	10.86	horizontal	Average
17953.50	47.67	6.86	54.53	74.00	19.47	horizontal	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11b 2437MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V



Trace: 1

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

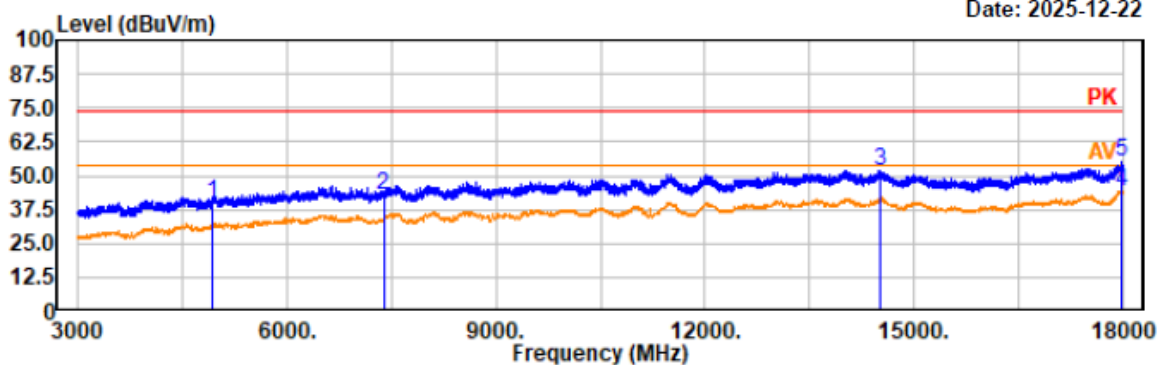
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4874.00	45.53	-5.29	40.24	74.00	33.76	vertical	Peak
7311.00	44.10	-2.28	41.82	74.00	32.18	vertical	Peak
14031.00	46.86	5.24	52.10	74.00	21.90	vertical	Peak
17913.00	35.99	6.81	42.80	54.00	11.20	vertical	Average
17913.00	47.54	6.81	54.35	74.00	19.65	vertical	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11b 2462MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V

Date: 2025-12-22



Trace: 1

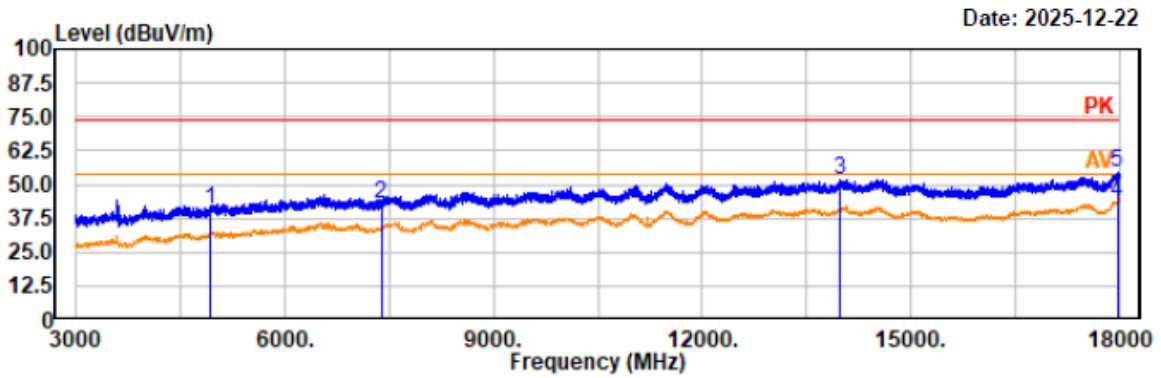
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

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	45.34	-5.24	40.10	74.00	33.90	horizontal	Peak
7386.00	44.88	-2.15	42.73	74.00	31.27	horizontal	Peak
14514.00	46.74	5.07	51.81	74.00	22.19	horizontal	Peak
17985.00	37.24	6.89	44.13	54.00	9.87	horizontal	Average
17985.00	47.98	6.89	54.87	74.00	19.13	horizontal	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11b 2462MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V



Trace: 1

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

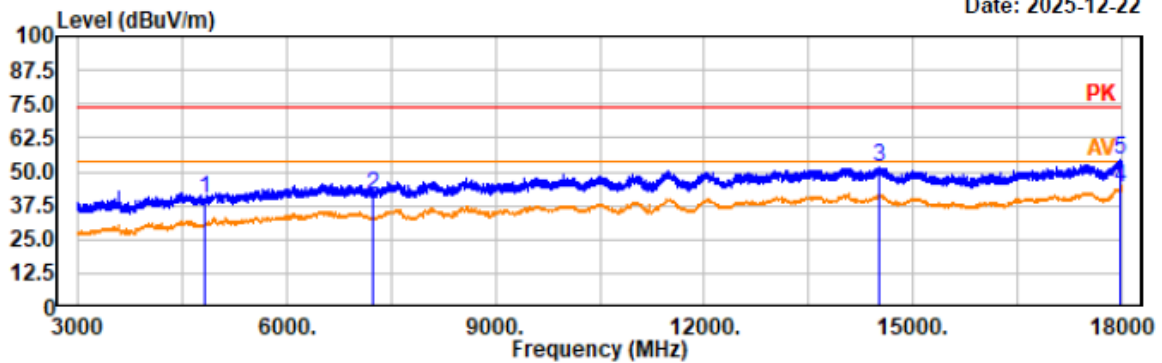
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4924.00	46.26	-5.24	41.02	74.00	32.98	vertical	Peak
7386.00	44.59	-2.15	42.44	74.00	31.56	vertical	Peak
13978.50	46.82	5.20	52.02	74.00	21.98	vertical	Peak
17965.50	36.64	6.87	43.51	54.00	10.49	vertical	Average
17965.50	47.81	6.87	54.68	74.00	19.32	vertical	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11g 2412MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V

Date: 2025-12-22



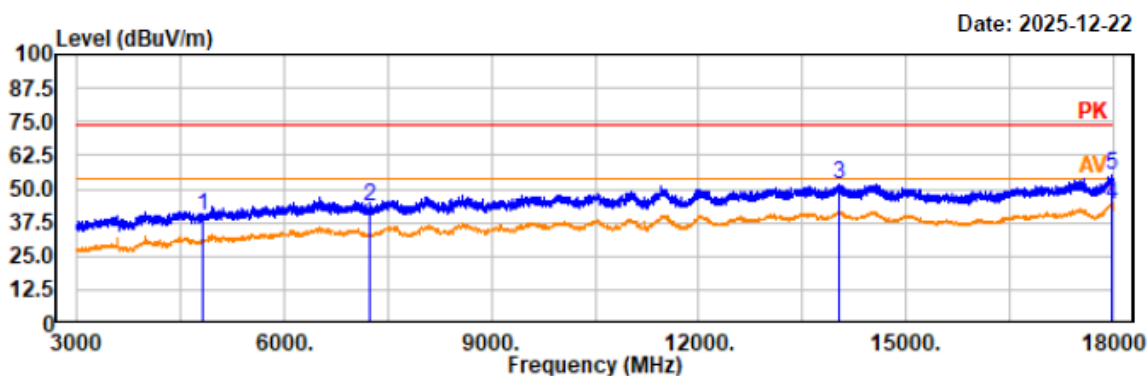
Trace: 1

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	45.01	-5.26	39.75	74.00	34.25	horizontal	Peak
7236.00	43.90	-2.47	41.43	74.00	32.57	horizontal	Peak
14518.50	46.83	5.06	51.89	74.00	22.11	horizontal	Peak
17989.50	37.30	6.90	44.20	54.00	9.80	horizontal	Average
17989.50	47.36	6.90	54.26	74.00	19.74	horizontal	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11g 2412MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V



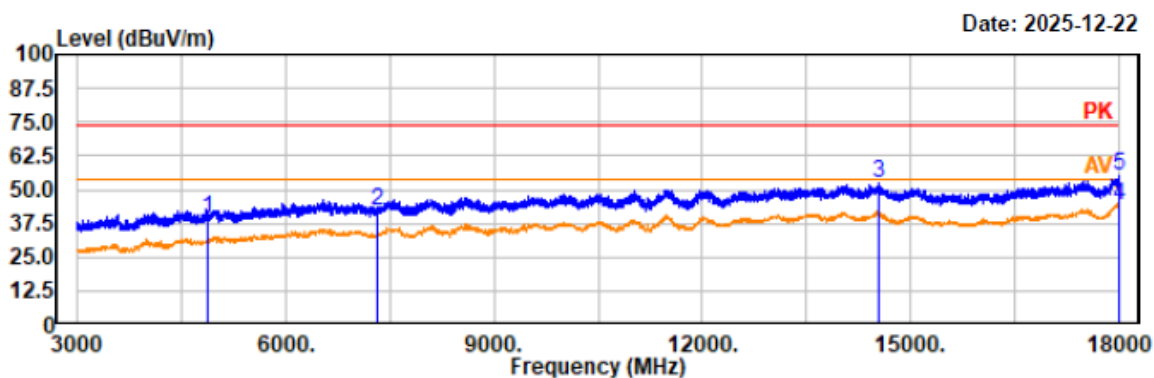
Trace: 1

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	45.48	-5.26	40.22	74.00	33.78	vertical	Peak
7236.00	46.05	-2.47	43.58	74.00	30.42	vertical	Peak
14038.50	46.36	5.25	51.61	74.00	22.39	vertical	Peak
17991.00	37.24	6.90	44.14	54.00	9.86	vertical	Average
17991.00	48.01	6.90	54.91	74.00	19.09	vertical	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11g 2437MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V



Trace: 1

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

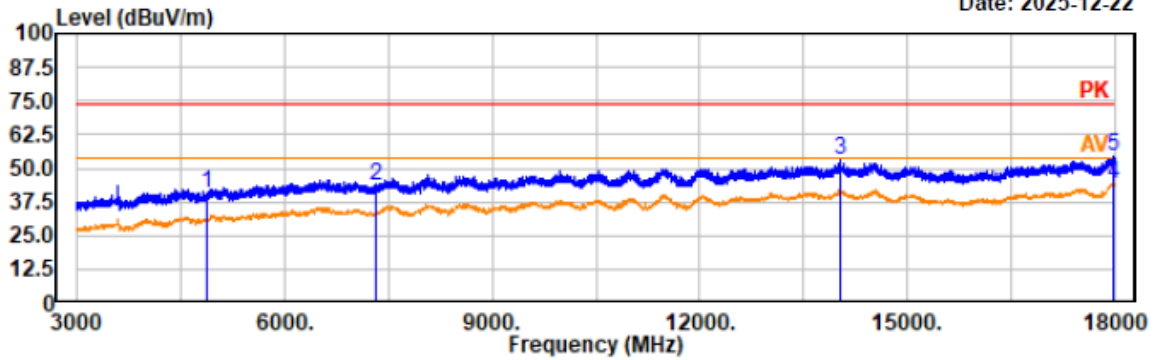
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4874.00	44.92	-5.29	39.63	74.00	34.37	horizontal	Peak
7311.00	44.30	-2.28	42.02	74.00	31.98	horizontal	Peak
14550.00	47.13	5.04	52.17	74.00	21.83	horizontal	Peak
17994.00	37.48	6.90	44.38	54.00	9.62	horizontal	Average
17994.00	48.10	6.90	55.00	74.00	19.00	horizontal	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11g 2437MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V

Date: 2025-12-22



Trace: 1

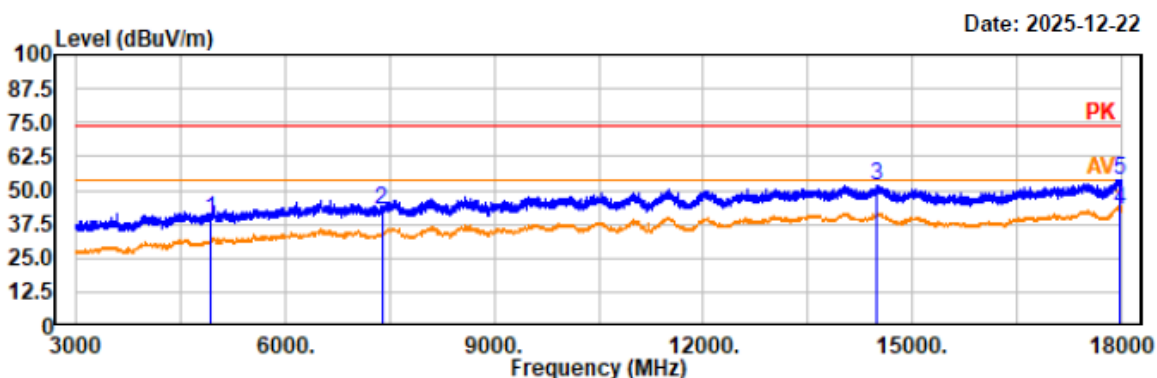
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

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	46.23	-5.29	40.94	74.00	33.06	vertical	Peak
7311.00	45.50	-2.28	43.22	74.00	30.78	vertical	Peak
14026.50	47.75	5.23	52.98	74.00	21.02	vertical	Peak
17991.00	37.51	6.90	44.41	54.00	9.59	vertical	Average
17991.00	47.66	6.90	54.56	74.00	19.44	vertical	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11g 2462MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V



Trace: 1

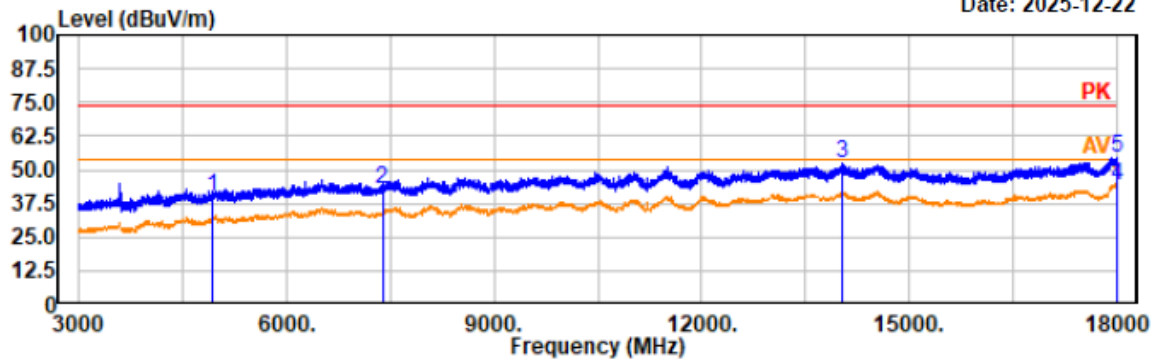
Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4924.00	44.26	-5.24	39.02	74.00	34.98	horizontal	Peak
7386.00	45.23	-2.15	43.08	74.00	30.92	horizontal	Peak
14497.50	46.89	5.07	51.96	74.00	22.04	horizontal	Peak
17968.50	36.22	6.88	43.10	54.00	10.90	horizontal	Average
17968.50	47.12	6.88	54.00	74.00	20.00	horizontal	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11g 2462MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V

Date: 2025-12-22



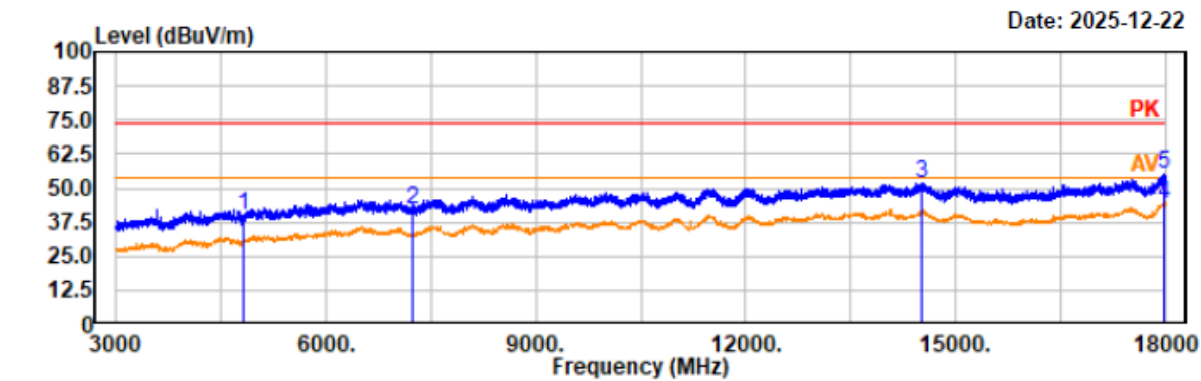
Trace: 1

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	45.32	-5.24	40.08	74.00	33.92	vertical	Peak
7386.00	44.92	-2.15	42.77	74.00	31.23	vertical	Peak
14032.50	46.89	5.24	52.13	74.00	21.87	vertical	Peak
17992.50	37.39	6.90	44.29	54.00	9.71	vertical	Average
17992.50	47.51	6.90	54.41	74.00	19.59	vertical	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11n20 2412MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V



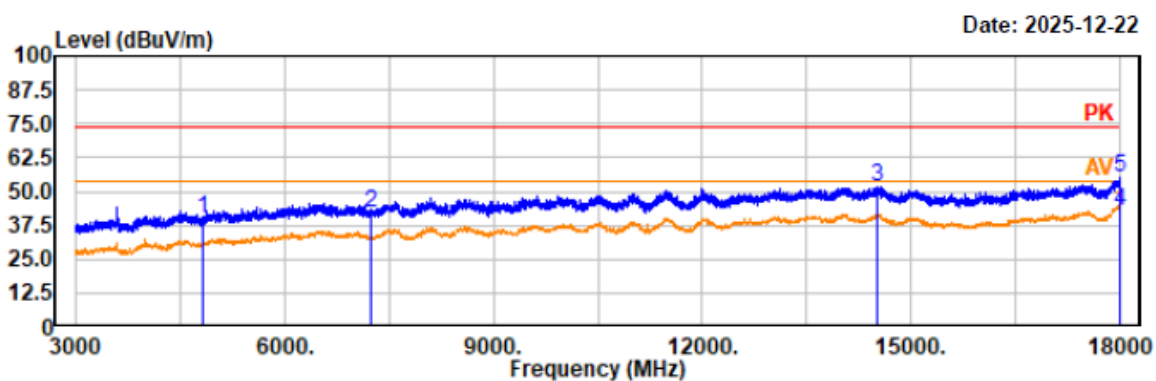
Trace: 1

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	45.58	-5.26	40.32	74.00	33.68	horizontal	Peak
7236.00	44.29	-2.47	41.82	74.00	32.18	horizontal	Peak
14512.50	46.60	5.07	51.67	74.00	22.33	horizontal	Peak
17988.00	37.13	6.89	44.02	54.00	9.98	horizontal	Average
17988.00	47.97	6.89	54.86	74.00	19.14	horizontal	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11n20 2412MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V



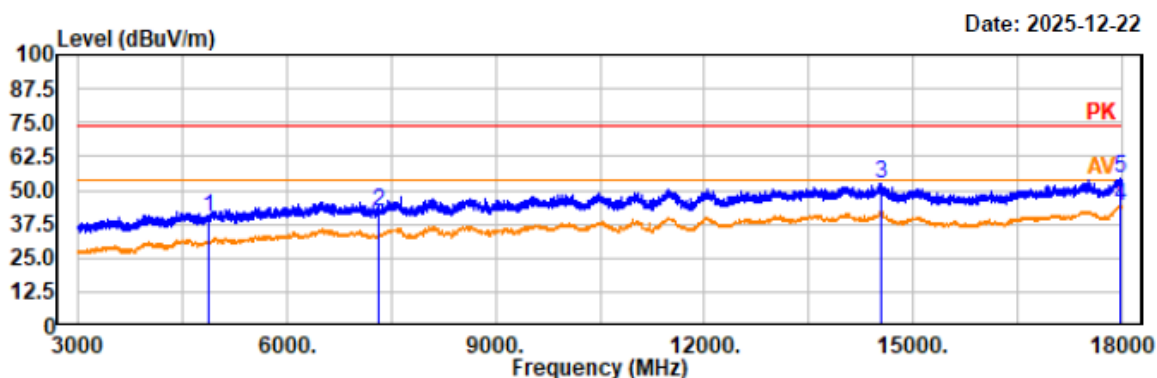
Trace: 1

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	44.95	-5.26	39.69	74.00	34.31	vertical	Peak
7236.00	44.72	-2.47	42.25	74.00	31.75	vertical	Peak
14514.00	46.55	5.07	51.62	74.00	22.38	vertical	Peak
17998.50	35.85	6.91	42.76	54.00	11.24	vertical	Average
17998.50	47.96	6.91	54.87	74.00	19.13	vertical	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11n20 2437MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V



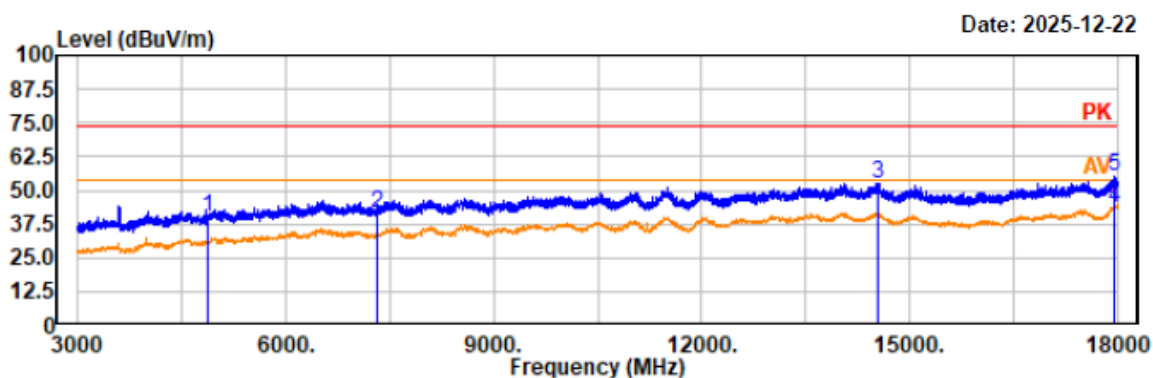
Trace: 1

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	45.40	-5.29	40.11	74.00	33.89	horizontal	Peak
7311.00	44.32	-2.28	42.04	74.00	31.96	horizontal	Peak
14550.00	47.36	5.04	52.40	74.00	21.60	horizontal	Peak
17989.50	37.34	6.90	44.24	54.00	9.76	horizontal	Average
17989.50	47.49	6.90	54.39	74.00	19.61	horizontal	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11n20 2437MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V



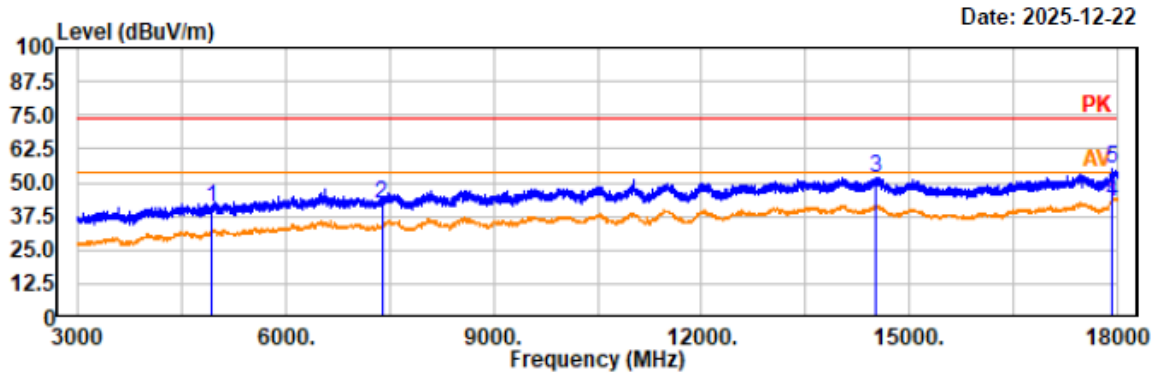
Trace: 1

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	45.16	-5.29	39.87	74.00	34.13	vertical	Peak
7311.00	43.49	-2.28	41.21	74.00	32.79	vertical	Peak
14529.00	47.58	5.05	52.63	74.00	21.37	vertical	Peak
17944.50	36.91	6.85	43.76	54.00	10.24	vertical	Average
17944.50	48.23	6.85	55.08	74.00	18.92	vertical	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11n20 2462MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V



Trace: 1

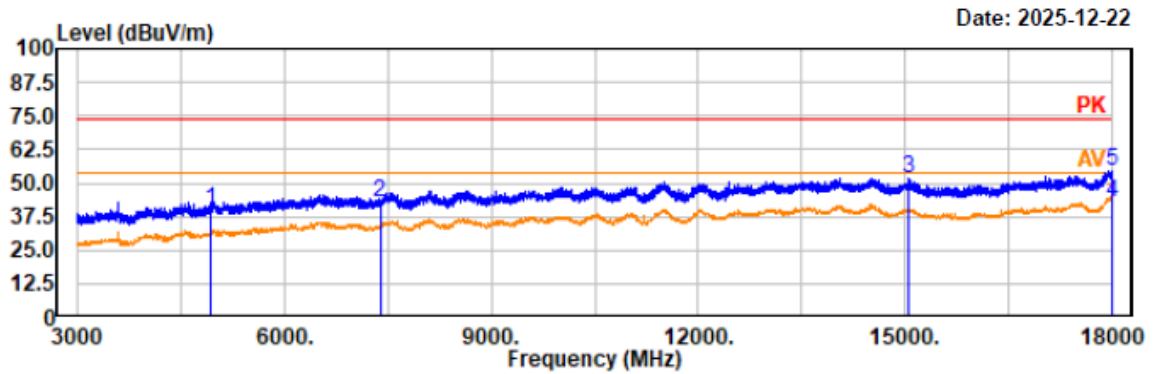
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

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	45.59	-5.24	40.35	74.00	33.65	horizontal	Peak
7386.00	44.01	-2.15	41.86	74.00	32.14	horizontal	Peak
14517.00	46.67	5.06	51.73	74.00	22.27	horizontal	Peak
17937.00	36.23	6.84	43.07	54.00	10.93	horizontal	Average
17937.00	48.07	6.84	54.91	74.00	19.09	horizontal	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11n20 2462MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V



Trace: 1

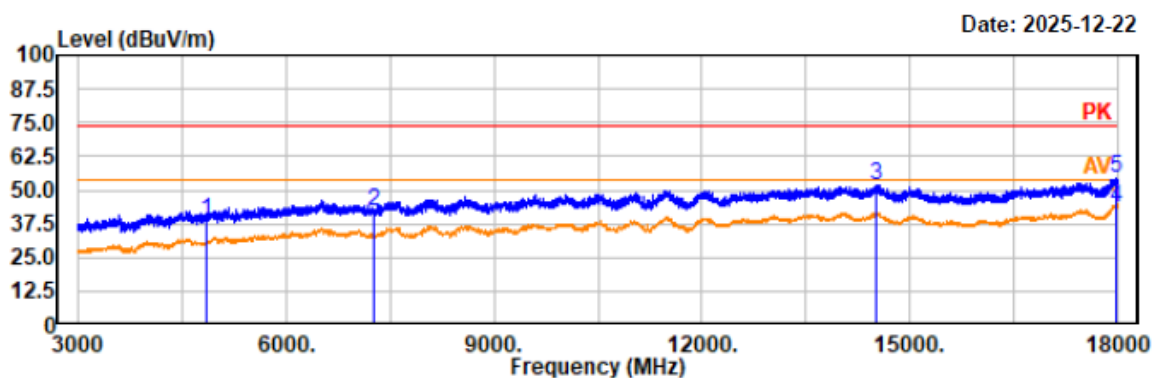
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

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	45.44	-5.24	40.20	74.00	33.80	vertical	Peak
7386.00	45.17	-2.15	43.02	74.00	30.98	vertical	Peak
15057.00	47.54	4.17	51.71	74.00	22.29	vertical	Peak
17997.00	35.55	6.91	42.46	54.00	11.54	vertical	Average
17997.00	47.67	6.91	54.58	74.00	19.42	vertical	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11n40 2422MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V



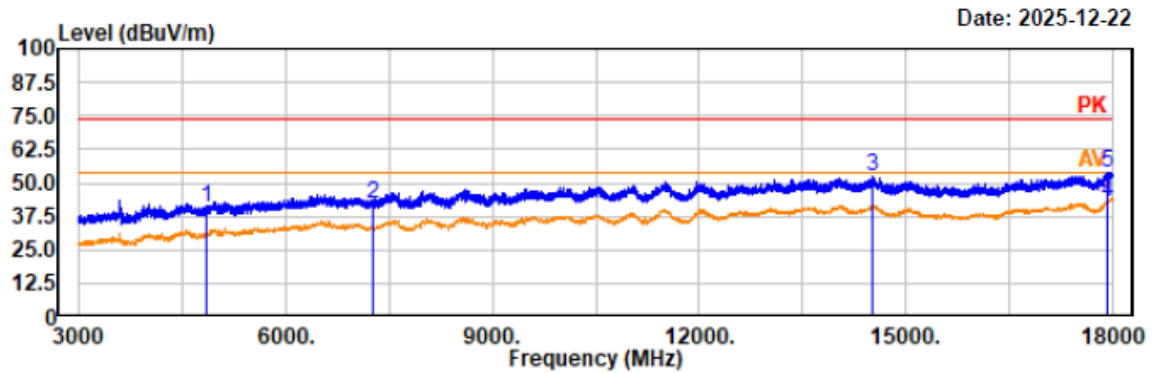
Trace: 1

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
4844.00	43.90	-5.27	38.63	74.00	35.37	horizontal	Peak
7266.00	44.12	-2.39	41.73	74.00	32.27	horizontal	Peak
14517.00	46.54	5.06	51.60	74.00	22.40	horizontal	Peak
17985.00	36.74	6.89	43.63	54.00	10.37	horizontal	Average
17985.00	47.42	6.89	54.31	74.00	19.69	horizontal	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11n40 2422MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V



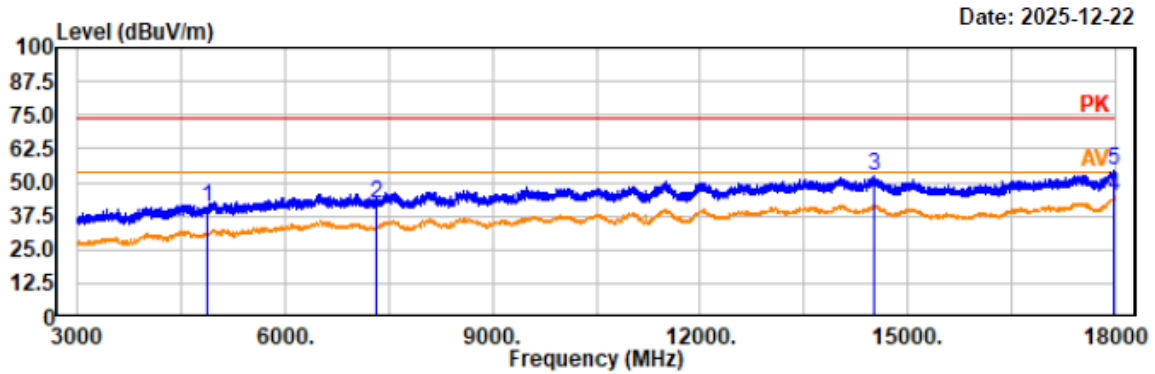
Trace: 1

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
4844.00	45.80	-5.27	40.53	74.00	33.47	vertical	Peak
7266.00	44.52	-2.39	42.13	74.00	31.87	vertical	Peak
14514.00	47.07	5.07	52.14	74.00	21.86	vertical	Peak
17923.50	36.02	6.83	42.85	54.00	11.15	vertical	Average
17923.50	47.00	6.83	53.83	74.00	20.17	vertical	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11n40 2437MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V



Trace: 1

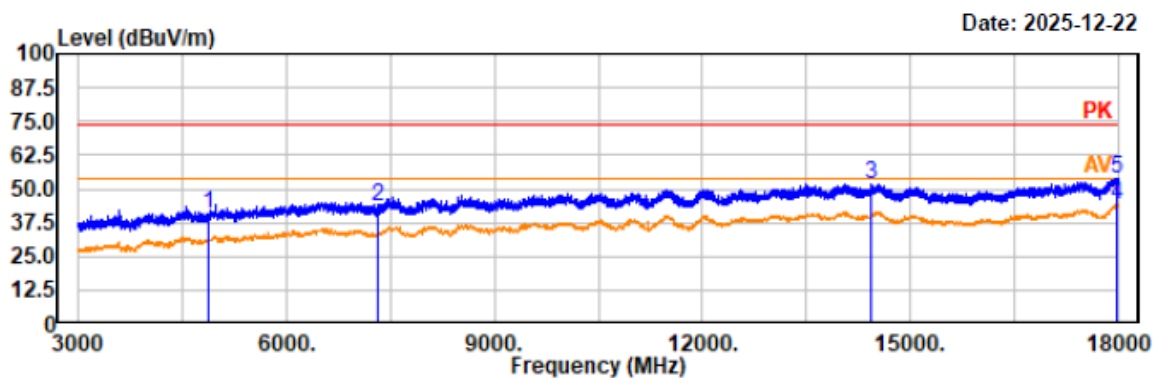
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

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	45.92	-5.29	40.63	74.00	33.37	horizontal	Peak
7311.00	44.19	-2.28	41.91	74.00	32.09	horizontal	Peak
14515.50	47.25	5.06	52.31	74.00	21.69	horizontal	Peak
17988.00	37.74	6.89	44.63	54.00	9.37	horizontal	Average
17988.00	47.93	6.89	54.82	74.00	19.18	horizontal	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11n40 2437MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V



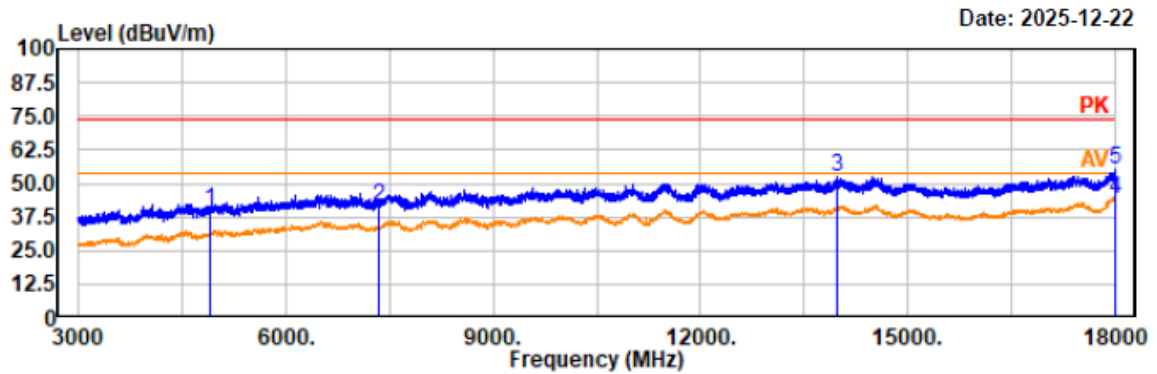
Trace: 1

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	45.66	-5.29	40.37	74.00	33.63	vertical	Peak
7311.00	45.77	-2.28	43.49	74.00	30.51	vertical	Peak
14446.50	46.33	5.15	51.48	74.00	22.52	vertical	Peak
17989.50	37.46	6.90	44.36	54.00	9.64	vertical	Average
17989.50	47.13	6.90	54.03	74.00	19.97	vertical	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11n40 2452MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V



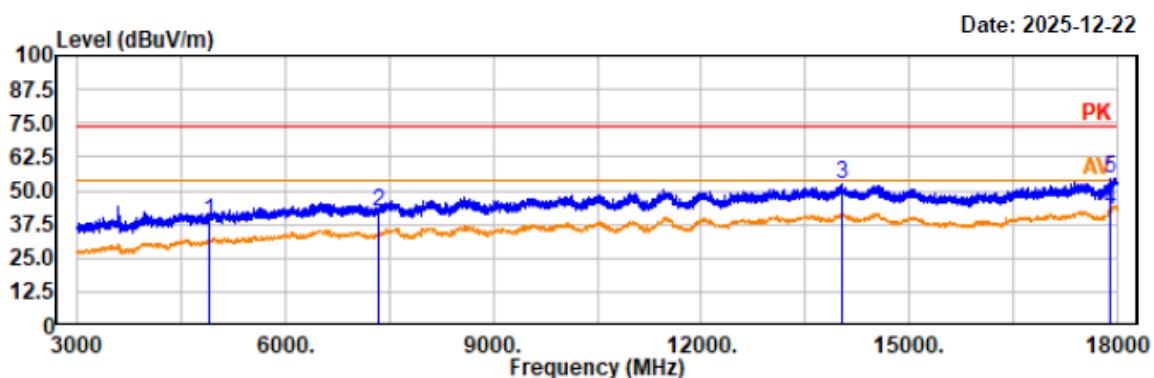
Trace: 1

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
4904.00	45.44	-5.30	40.14	74.00	33.86	horizontal	Peak
7356.00	43.87	-2.17	41.70	74.00	32.30	horizontal	Peak
13974.00	47.46	5.19	52.65	74.00	21.35	horizontal	Peak
17994.00	37.58	6.90	44.48	54.00	9.52	horizontal	Average
17994.00	48.17	6.90	55.07	74.00	18.93	horizontal	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11n40 2452MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V



Trace: 1

Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

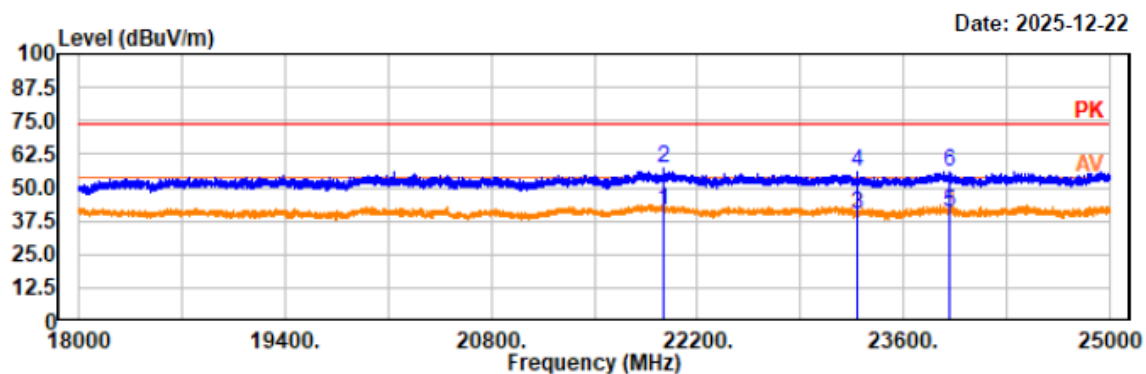
Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
4904.00	44.14	-5.30	38.84	74.00	35.16	vertical	Peak
7356.00	44.35	-2.17	42.18	74.00	31.82	vertical	Peak
14025.00	47.02	5.23	52.25	74.00	21.75	vertical	Peak
17904.00	35.82	6.80	42.62	54.00	11.38	vertical	Average
17904.00	47.70	6.80	54.50	74.00	19.50	vertical	Peak

5) 18-25GHz

Note: The maximum output power mode: Wifi 802.11n20 low channel was tested.

Project No.: 2507Z22634E-RF
Test Mode: 802.11n20 2412MHz
EUT Model: DTS-8951
Test distance: 1.5m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V



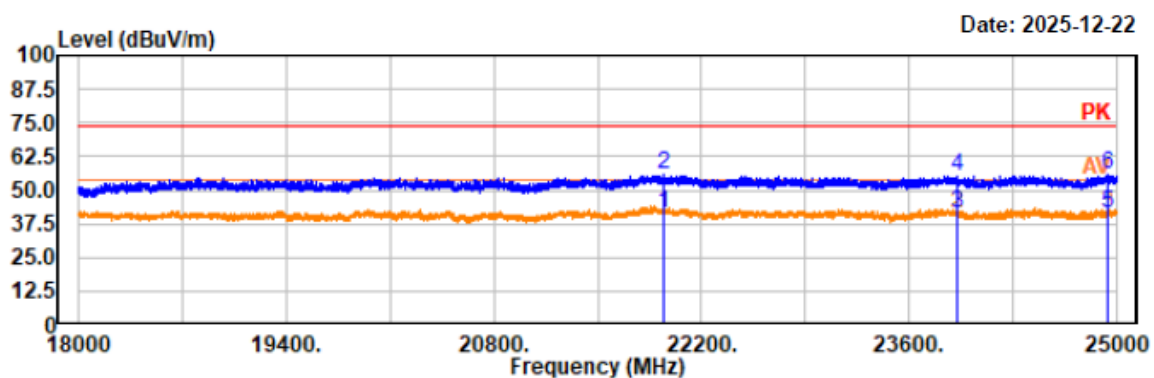
Trace: 1

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
21971.80	36.46	5.23	41.69	54.00	12.31	horizontal	Average
21971.80	51.92	5.23	57.15	74.00	16.85	horizontal	Peak
23285.00	35.10	4.87	39.97	54.00	14.03	horizontal	Average
23285.00	50.94	4.87	55.81	74.00	18.19	horizontal	Peak
23914.30	35.64	5.39	41.03	54.00	12.97	horizontal	Average
23914.30	50.78	5.39	56.17	74.00	17.83	horizontal	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11n20 2412MHz
EUT Model: DTS-8951
Test distance: 1.5m

Temp/Humi/ATM: 21.9°C/52%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V



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
21944.50	36.06	5.20	41.26	54.00	12.74	vertical	Average
21944.50	50.75	5.20	55.95	74.00	18.05	vertical	Peak
23929.70	36.12	5.41	41.53	54.00	12.47	vertical	Average
23929.70	50.04	5.41	55.45	74.00	18.55	vertical	Peak
24937.70	35.11	6.32	41.43	54.00	12.57	vertical	Average
24937.70	49.57	6.32	55.89	74.00	18.11	vertical	Peak

Restricted Bands Emissions:

Project No.: 2507Z22634E-RF

Test Mode: 802.11b 2412MHz

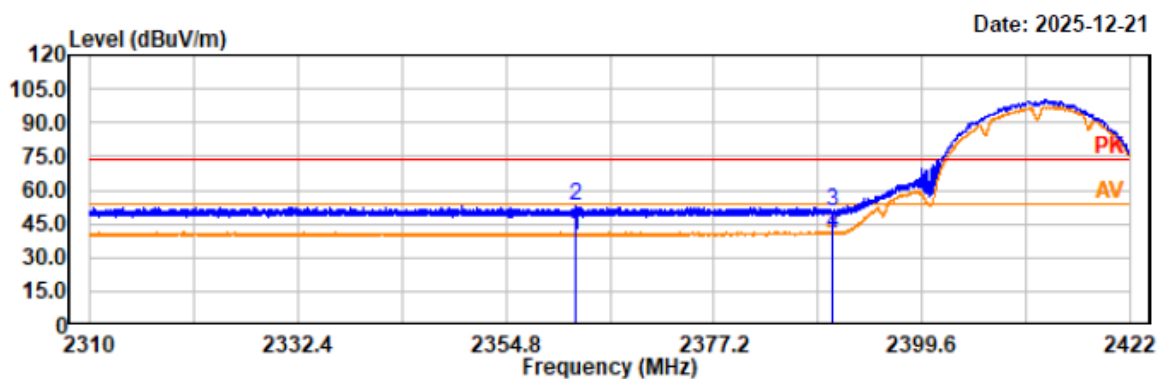
EUT Model: DTS-8951

Test distance: 3m

Temp/Humi/ATM: 21.6°C/43%/100.1kPa

Tested by: Wlif Wu

Power Source: DC 12V



Trace: 1

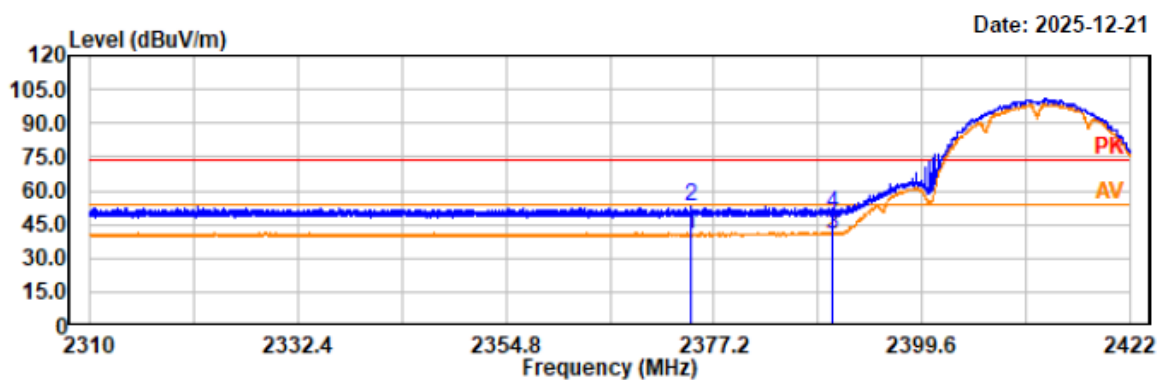
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

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

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2362.20	35.40	4.73	40.13	54.00	13.87	horizontal	Average
2362.20	47.92	4.73	52.65	74.00	21.35	horizontal	Peak
2390.00	45.80	4.85	50.65	74.00	23.35	horizontal	Peak
2390.00	35.92	4.85	40.77	54.00	13.23	horizontal	Average

Project No.: 2507Z22634E-RF
Test Mode: 802.11b 2412MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.6°C/43%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V



Trace: 1

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

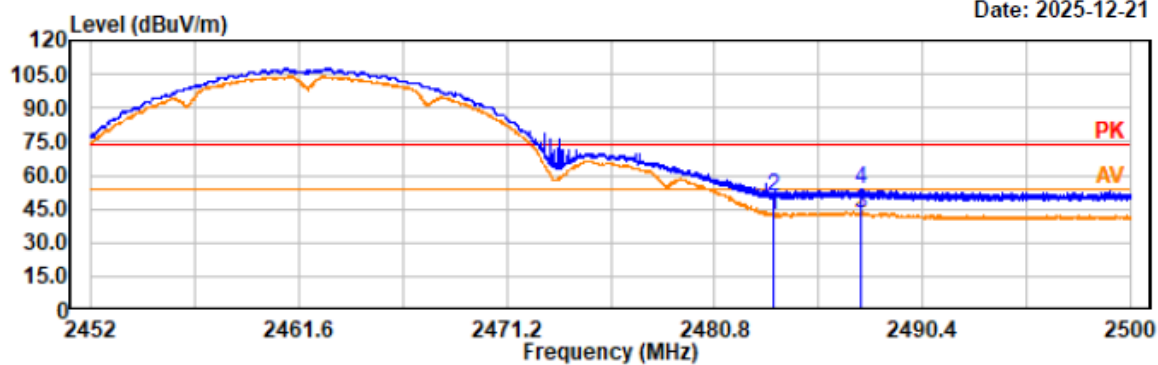
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2374.64	35.48	4.78	40.26	54.00	13.74	vertical	Average
2374.64	48.00	4.78	52.78	74.00	21.22	vertical	Peak
2390.00	35.91	4.85	40.76	54.00	13.24	vertical	Average
2390.00	44.78	4.85	49.63	74.00	24.37	vertical	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11b 2462MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.6°C/43%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V

Date: 2025-12-21



Trace: 1

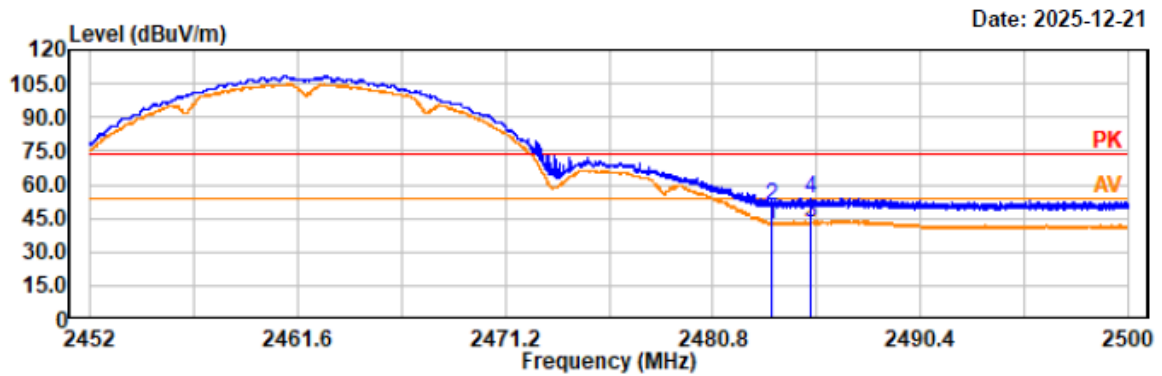
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

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

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2483.50	36.97	5.23	42.20	54.00	11.80	horizontal	Average
2483.50	45.11	5.23	50.34	74.00	23.66	horizontal	Peak
2487.59	37.45	5.24	42.69	54.00	11.31	horizontal	Average
2487.59	48.78	5.24	54.02	74.00	19.98	horizontal	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11b 2462MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.6°C/43%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V



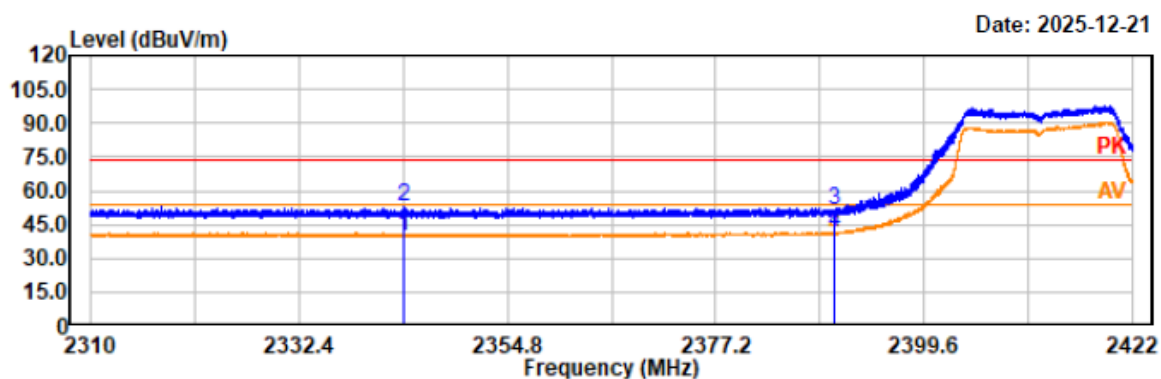
Trace: 1

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
2483.50	37.39	5.23	42.62	54.00	11.38	vertical	Average
2483.50	45.41	5.23	50.64	74.00	23.36	vertical	Peak
2485.31	37.52	5.24	42.76	54.00	11.24	vertical	Average
2485.31	48.54	5.24	53.78	74.00	20.22	vertical	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11g 2412MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.6°C/43%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V



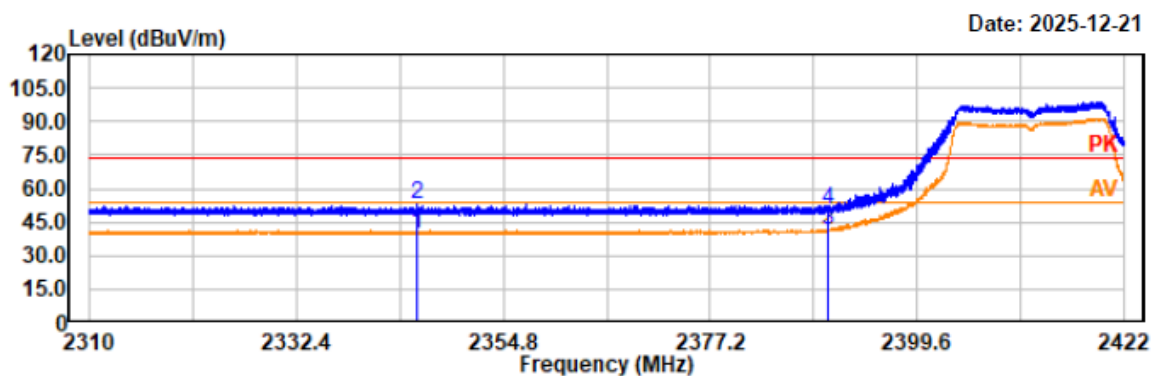
Trace: 1

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
2343.63	35.40	4.67	40.07	54.00	13.93	horizontal	Average
2343.63	47.92	4.67	52.59	74.00	21.41	horizontal	Peak
2390.00	46.27	4.85	51.12	74.00	22.88	horizontal	Peak
2390.00	36.43	4.85	41.28	54.00	12.72	horizontal	Average

Project No.: 2507Z22634E-RF
Test Mode: 802.11g 2412MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.6°C/43%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V



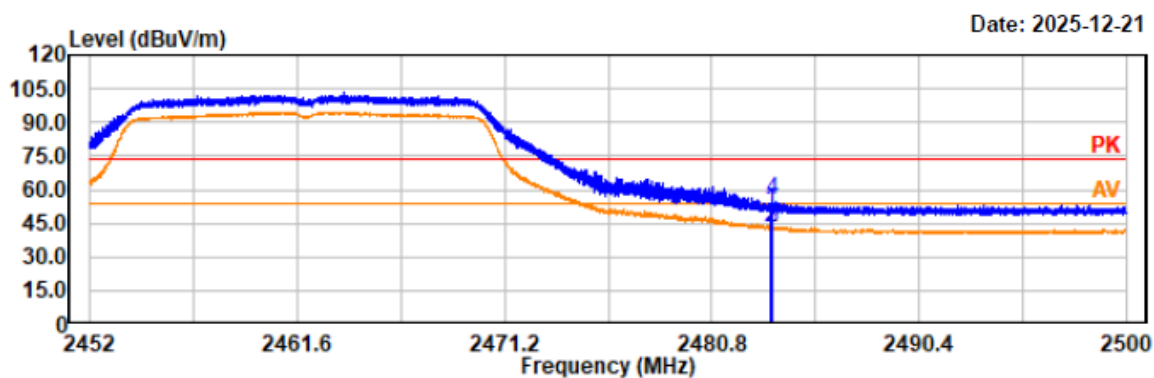
Trace: 1

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
2345.41	35.24	4.67	39.91	54.00	14.09	vertical	Average
2345.41	48.07	4.67	52.74	74.00	21.26	vertical	Peak
2390.00	36.71	4.85	41.56	54.00	12.44	vertical	Average
2390.00	46.05	4.85	50.90	74.00	23.10	vertical	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11g 2462MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.6°C/43%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V



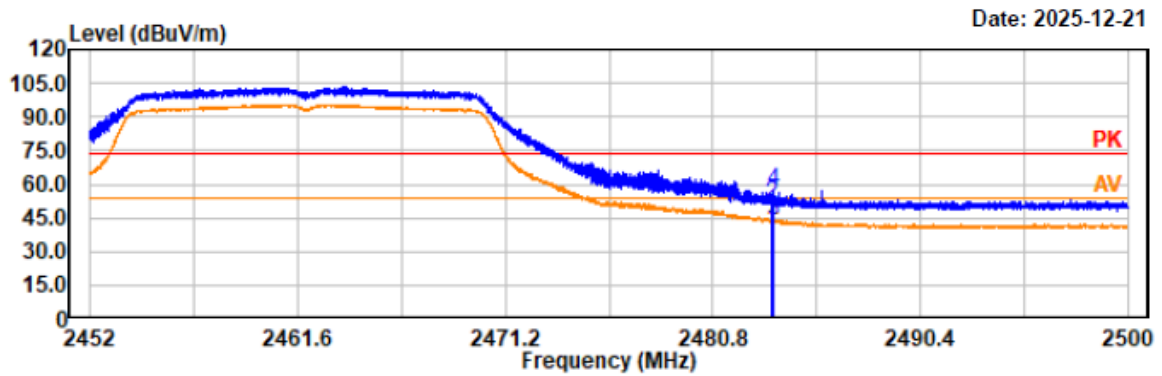
Trace: 1

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
2483.50	45.43	5.23	50.66	74.00	23.34	horizontal	Peak
2483.50	37.64	5.23	42.87	54.00	11.13	horizontal	Average
2483.64	37.60	5.23	42.83	54.00	11.17	horizontal	Average
2483.64	50.00	5.23	55.23	74.00	18.77	horizontal	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11g 2462MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.6°C/43%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V



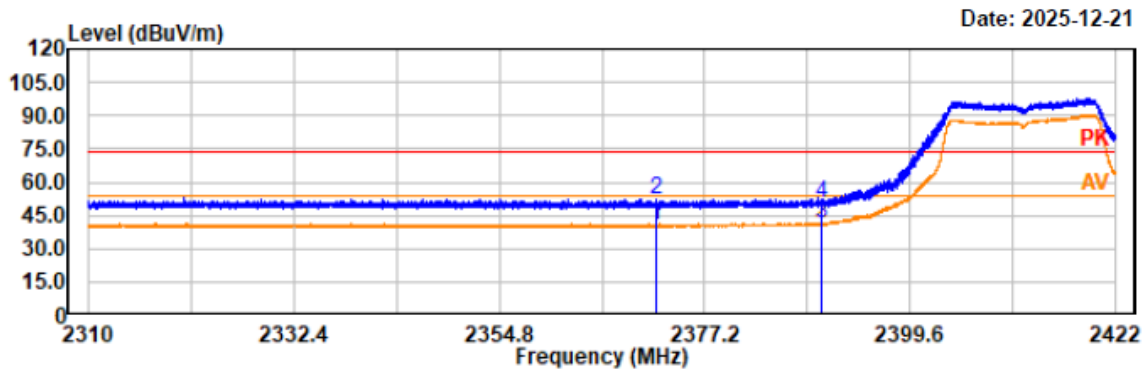
Trace: 1

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
2483.50	38.60	5.23	43.83	54.00	10.17	vertical	Average
2483.50	46.45	5.23	51.68	74.00	22.32	vertical	Peak
2483.58	38.34	5.23	43.57	54.00	10.43	vertical	Average
2483.58	51.72	5.23	56.95	74.00	17.05	vertical	Peak

Project No.: 2507Z22634E-RF
 Test Mode: 802.11n20 2412MHz
 EUT Model: DTS-8951
 Test distance: 3m

Temp/Humi/ATM: 21.6°C/43%/100.1kPa
 Tested by: Wlif Wu
 Power Source: DC 12V



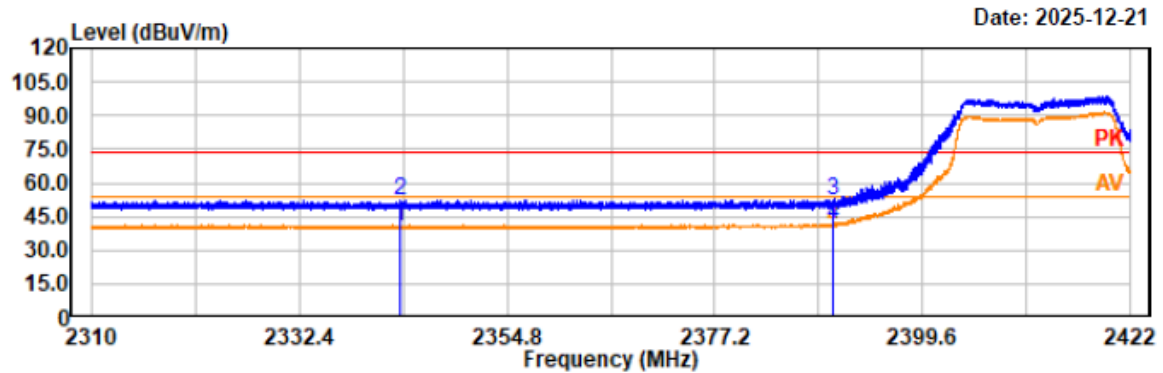
Trace: 1

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
2372.00	35.42	4.77	40.19	54.00	13.81	horizontal	Average
2372.00	47.27	4.77	52.04	74.00	21.96	horizontal	Peak
2390.00	36.13	4.85	40.98	54.00	13.02	horizontal	Average
2390.00	45.80	4.85	50.65	74.00	23.35	horizontal	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11n20 2412MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.6°C/43%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V



Trace: 1

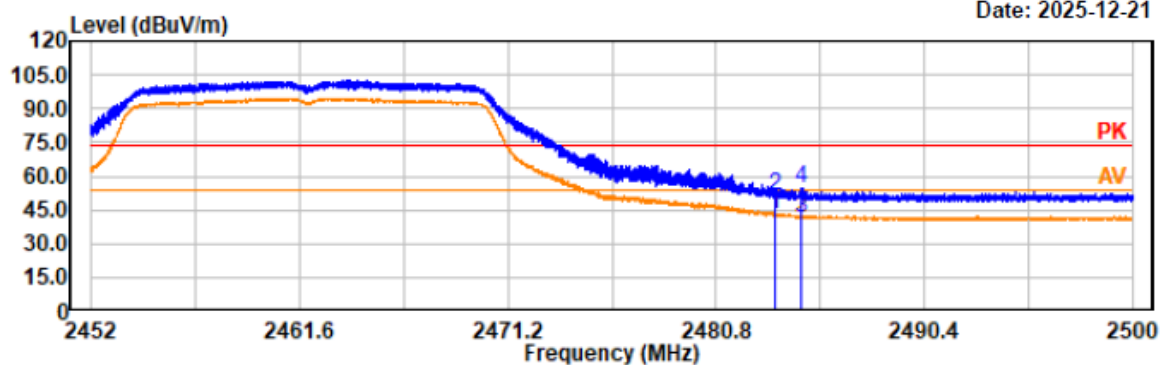
Condition: PK RBW:1MHz VBW:3MHz SWT:auto
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2343.16	35.50	4.67	40.17	54.00	13.83	vertical	Average
2343.16	47.68	4.67	52.35	74.00	21.65	vertical	Peak
2390.00	47.06	4.85	51.91	74.00	22.09	vertical	Peak
2390.00	36.75	4.85	41.60	54.00	12.40	vertical	Average

Project No.: 2507Z22634E-RF
Test Mode: 802.11n20 2462MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.6°C/43%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V

Date: 2025-12-21



Trace: 1

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

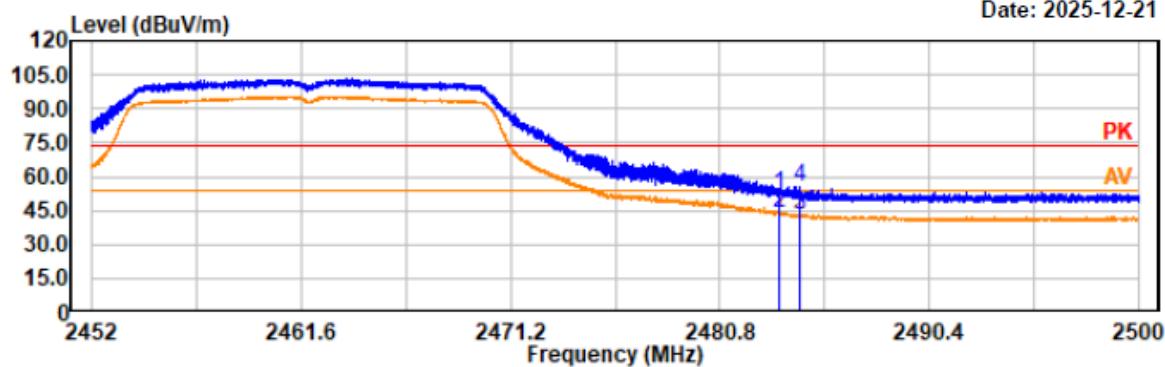
AV RBW:1MHz VBW:5kHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2483.50	38.13	5.23	43.36	54.00	10.64	horizontal	Average
2483.50	46.03	5.23	51.26	74.00	22.74	horizontal	Peak
2484.72	36.52	5.24	41.76	54.00	12.24	horizontal	Average
2484.72	49.08	5.24	54.32	74.00	19.68	horizontal	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11n20 2462MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.6°C/43%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V

Date: 2025-12-21



Trace: 1

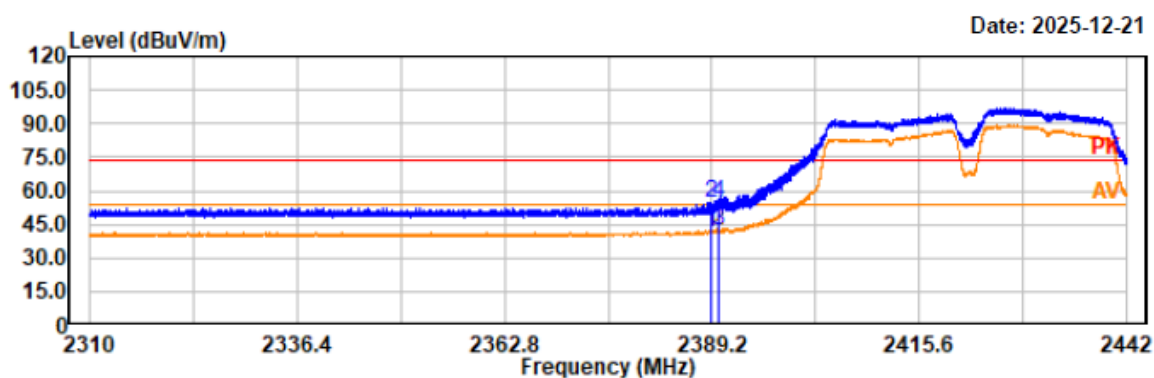
Condition: PK RBW:1MHz VBW:3MHz SWT:auto

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

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
2483.50	47.23	5.23	52.46	74.00	21.54	vertical	Peak
2483.50	38.58	5.23	43.81	54.00	10.19	vertical	Average
2484.48	37.58	5.24	42.82	54.00	11.18	vertical	Average
2484.48	50.14	5.24	55.38	74.00	18.62	vertical	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11n40 2422MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.6°C/43%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V



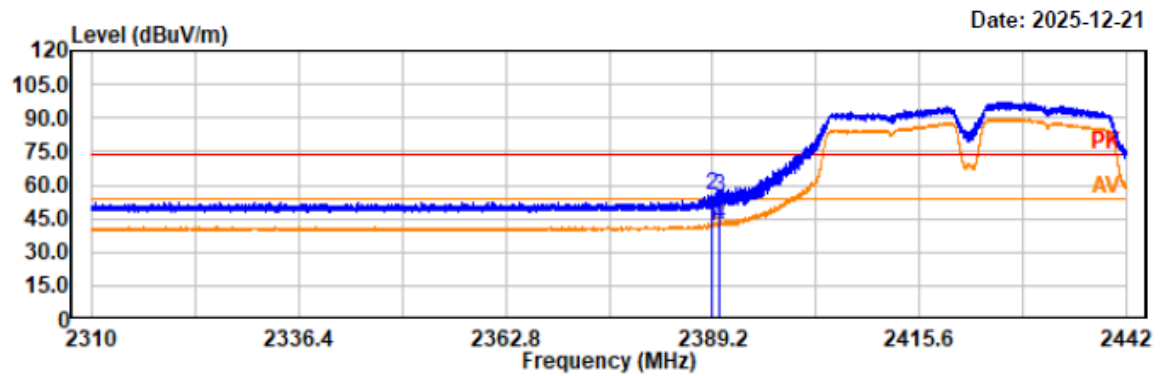
Trace: 1

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
2389.21	36.62	4.85	41.47	54.00	12.53	horizontal	Average
2389.21	50.01	4.85	54.86	74.00	19.14	horizontal	Peak
2390.00	37.08	4.85	41.93	54.00	12.07	horizontal	Average
2390.00	49.60	4.85	54.45	74.00	19.55	horizontal	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11n40 2422MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.6°C/43%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V



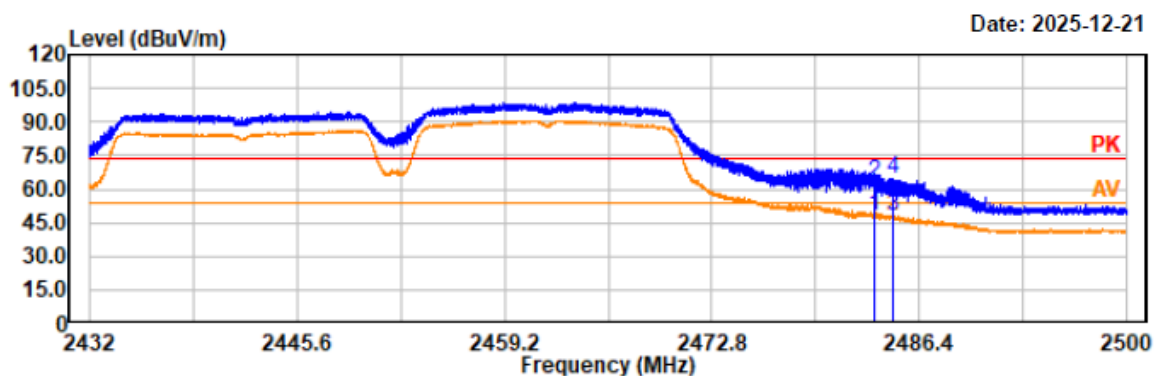
Trace: 1

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
2389.06	36.82	4.85	41.67	54.00	12.33	vertical	Average
2389.06	50.98	4.85	55.83	74.00	18.17	vertical	Peak
2390.00	49.50	4.85	54.35	74.00	19.65	vertical	Peak
2390.00	37.75	4.85	42.60	54.00	11.40	vertical	Average

Project No.: 2507Z22634E-RF
Test Mode: 802.11n40 2452MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.6°C/43%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V



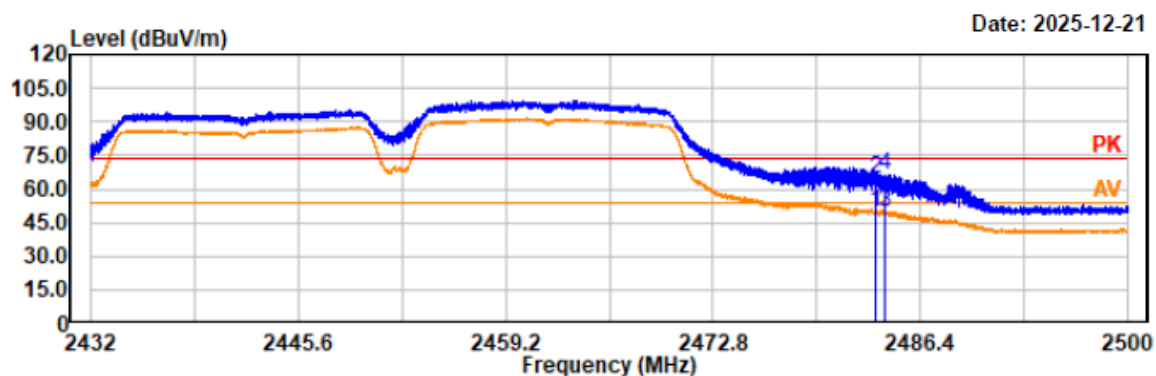
Trace: 1

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
2483.50	43.00	5.23	48.23	54.00	5.77	horizontal	Average
2483.50	57.54	5.23	62.77	74.00	11.23	horizontal	Peak
2484.66	42.47	5.24	47.71	54.00	6.29	horizontal	Average
2484.66	59.67	5.24	64.91	74.00	9.09	horizontal	Peak

Project No.: 2507Z22634E-RF
Test Mode: 802.11n40 2452MHz
EUT Model: DTS-8951
Test distance: 3m

Temp/Humi/ATM: 21.6°C/43%/100.1kPa
Tested by: Wlif Wu
Power Source: DC 12V



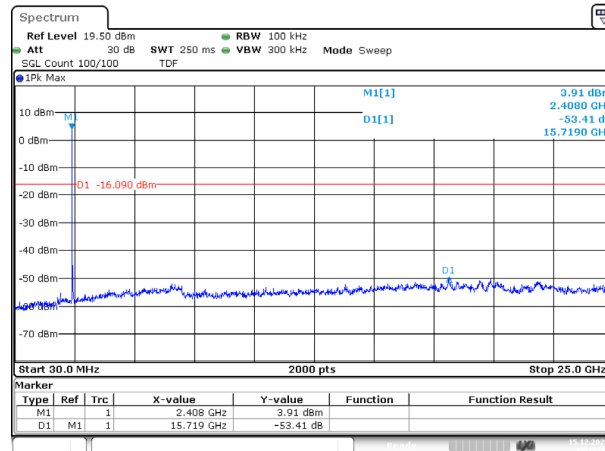
Trace: 1

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
2483.50	44.56	5.23	49.79	54.00	4.21	vertical	Average
2483.50	59.50	5.23	64.73	74.00	9.27	vertical	Peak
2484.10	44.03	5.24	49.27	54.00	4.73	vertical	Average
2484.10	61.32	5.24	66.56	74.00	7.44	vertical	Peak

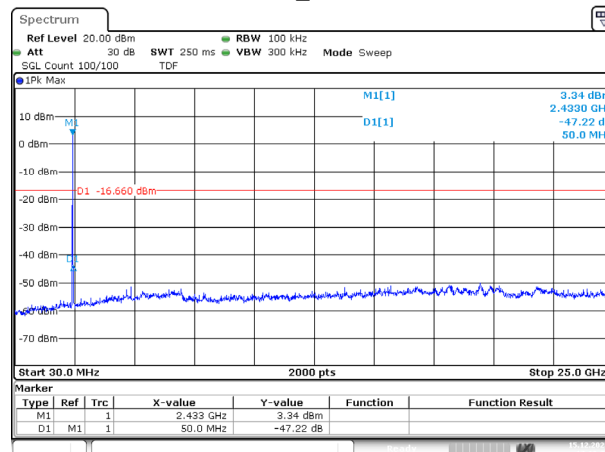
Antenna-port conducted emission

802.11b_2412MHz



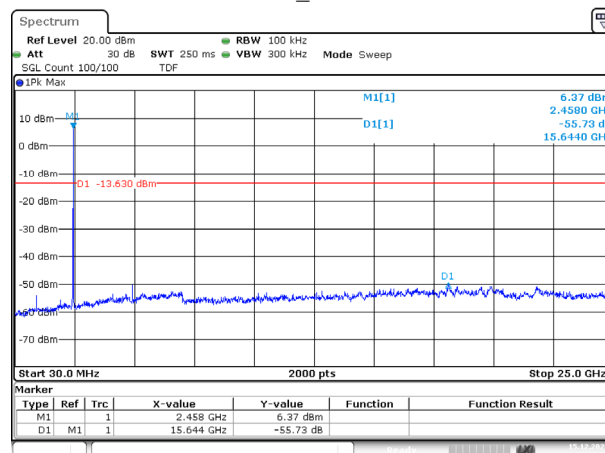
ProjectNo.: 2507Z22634E-RF Tester:Braylon Ma
Date: 15.DEC.2025 17:15:18

802.11b_2437MHz



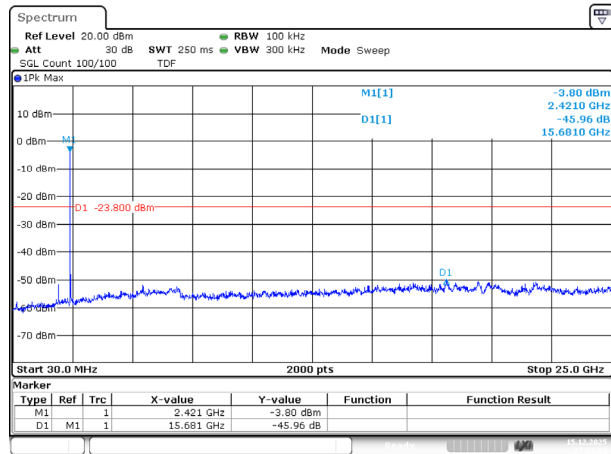
ProjectNo.: 2507Z22634E-RF Tester:Braylon Ma
Date: 15.DEC.2025 17:18:24

802.11b_2462MHz



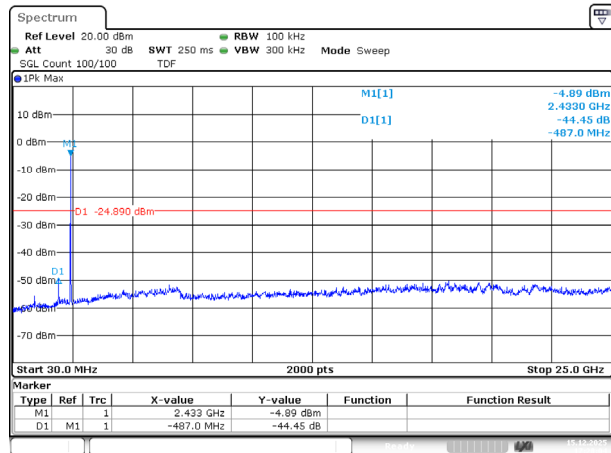
ProjectNo.: 2507Z22634E-RF Tester:Braylon Ma
Date: 15.DEC.2025 17:21:33

802.11g_2412MHz



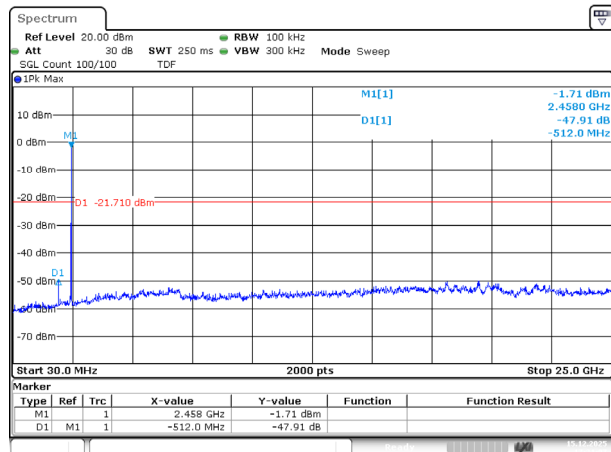
ProjectNo.: 2507Z22634E-RF Tester: Besslyan Ma
Date: 15.DEC.2025 17:24:51

802.11g_2437MHz



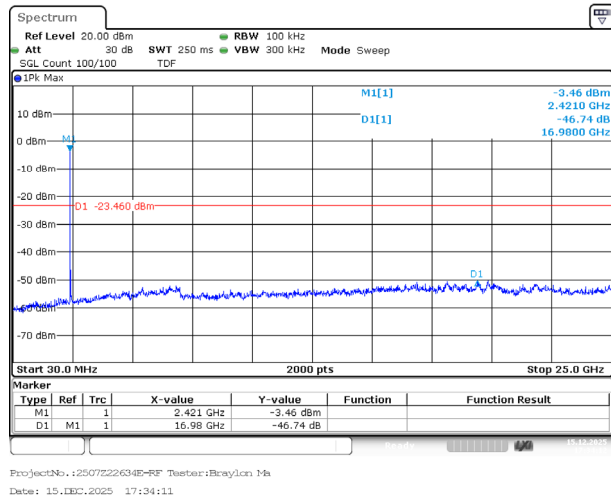
ProjectNo.: 2507Z22634E-RF Tester: Besslyan Ma
Date: 15.DEC.2025 17:28:04

802.11g_2462MHz

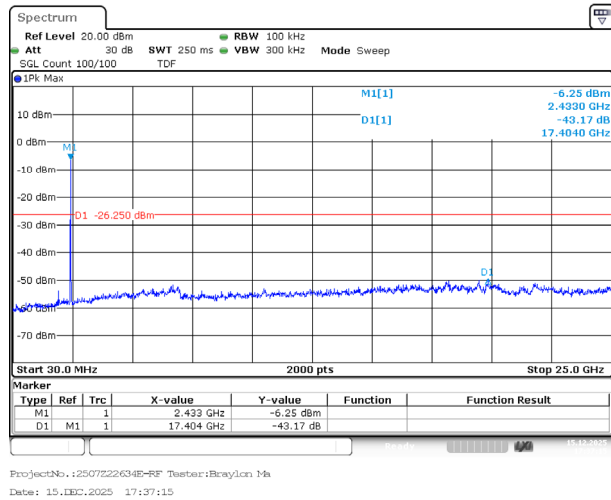


ProjectNo.: 2507Z22634E-RF Tester: Besslyan Ma
Date: 15.DEC.2025 17:31:07

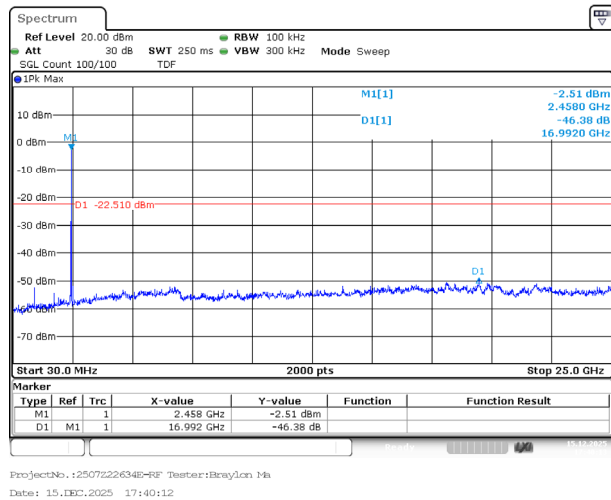
802.11n20_2412MHz



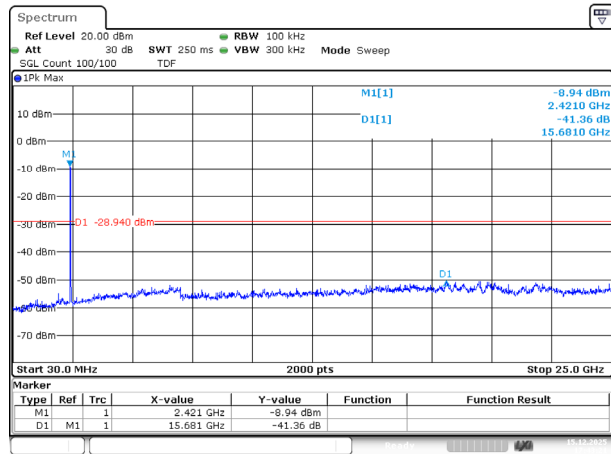
802.11n20_2437MHz



802.11n20_2462MHz

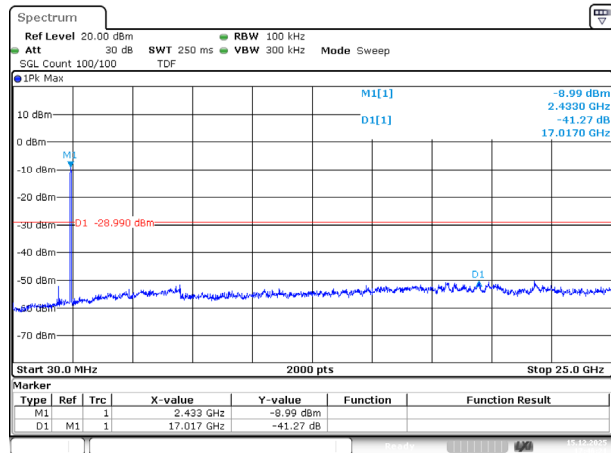


802.11n40_2422MHz



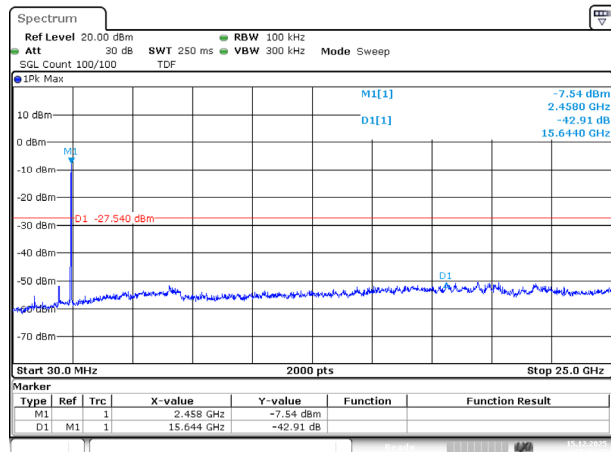
ProjectNo.: 2507Z22634E-RF Tester: Besslyan Ma
Date: 15.DEC.2025 17:43:20

802.11n40_2437MHz



ProjectNo.: 2507Z22634E-RF Tester: Besslyan Ma
Date: 15.DEC.2025 17:46:21

802.11n40_2452MHz

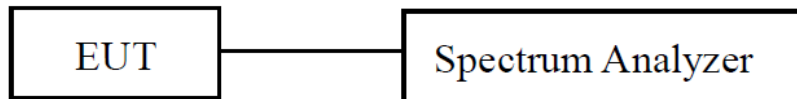


ProjectNo.: 2507Z22634E-RF Tester: Besslyan Ma
Date: 15.DEC.2025 17:49:21

FCC §15.247(a) (2) – 6 dB EMISSION BANDWIDTH

Applicable Standard

Systems using digital modulation techniques may operate in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

EUT Setup

Note: A short RF cable with low cable loss connected to the EUT antenna port. The insert loss of this RF cable was offset into the setting of test equipment:

Offset = Insert loss of RF cable

★ The Insert loss was declared by manufacturer.

Test Procedure

According to ANSI C63.10-2020 Section 11.8

- a) Set RBW = shall be in the range of 1% to 5% of the OBW but not less than 100 kHz.
- b) Set the VBW $\geq [3 \times \text{RBW}]$.
- c) Detector = peak.
- d) Trace mode = max-hold.
- e) Sweep = No faster than coupled (auto) time.
- f) Allow the trace to stabilize.
- g) Measure the maximum width of the emission by placing two markers, one at the lowest frequency and the other at the highest frequency of the envelope of the spectral display, such that each marker is at or slightly below the “–6 dB down amplitude”. If a marker is below this “–6 dB down amplitude” value, then it shall be as close as possible to this value.

Test Data

Test Mode:	Transmitting	Test Engineer:	Braylon Ma
Test Date:	2025-12-15	Test Voltage:	DC 12V
Test Result:	Compliance	Environment:	Temp.: 23.9°C Humi.: 46% Atm :100.2kPa
Test Modes	Test Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)
802.11b	2412	10.651	0.5
	2437	10.17	0.5
	2462	9.69	0.5
802.11g	2412	16.336	0.5
	2437	16.577	0.5
	2462	16.416	0.5
802.11n ht20	2412	16.296	0.5
	2437	16.577	0.5
	2462	16.456	0.5
802.11n ht40	2422	36.036	0.5
	2437	36.677	0.5
	2452	36.036	0.5

Please refer to below plots: