中认信通
CHINA CERTIFICATION ICT CO., LTD (DONGGUAN)

ACCREDITED
TESTING LABORATORY
CERTIFICATE # 6356.01

TEST REPORT

Applicant: **CHITECH SHENZHEN TECHNOLOGY CO.,LTD**

Address: 101,NO.48,Xiashijia Road,Gongming Town,Guangming Dist.,Shenzhen, China

FCC ID: **2AXUI-104S**

Product Name: **10.1 INCHES LTE TABLET PC**

Standard(s): **47 CFR Part 15, Subpart E(15.407)**
ANSI C63.10-2020
KDB 789033 D02 General U-NII Test Procedures New Rules v02r01

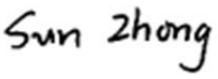
The above device has been tested and found compliant with the requirement of the relative standards by China Certification ICT Co., Ltd (Dongguan)

Report Number: **2403A45479E-RF-00D**

Date Of Issue: **2025/3/31**

Reviewed By: **Calvin Chen**
Title: RF Engineer

Approved By: **Sun Zhong**
Title: Manager



Test Laboratory: **China Certification ICT Co., Ltd (Dongguan)**
No. 113, Pingkang Road, Dalang Town, Dongguan, Guangdong, China

Tel: +86-769-83085888
www.ccttt.com.cn

Test Facility

The Test site used by China Certification ICT Co., Ltd (Dongguan) to collect test data is located on the No. 113, Pingkang Road, Dalang Town, Dongguan, Guangdong, China.

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 442868, the FCC Designation No. : CN1314.

Declarations

China Certification ICT Co., Ltd (Dongguan) is not responsible for the authenticity of any test data provided by the applicant. Data included from the applicant that may affect test results are marked with a triangle symbol "▲". Customer model name, addresses, names, trademarks etc. are not considered data.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

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Each test item follows the test standard(s) without deviation.

CONTENTS

DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
1.0	2403A45479E-RF-00D	Original Report	2025/3/31

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

1.1.1 General

EUT Name:	10.1 INCHES LTE TABLET PC
Trade Name:	hatch
EUT Model:	104S
Operation Frequency:	Band 1: 5180-5240 MHz (802.11a/n ht20/ac vht20) 5190-5230 MHz (802.11n ht40/ac vht40) 5210 MHz (802.11ac vht80) Band 4: 5745-5825 MHz (802.11a/n ht20/ac vht20) 5755-5795 MHz (802.11n ht40/ac vht40) 5775 MHz (802.11ac vht80)
Maximum Average Conducted Output Power:	7.35dBm in 5150-5250 MHz Band 7.69dBm in 5725-5850 MHz Band
Modulation Type:	802.11a/n/ac: OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM
Rated Input Voltage:	3.7Vdc from battery or 5V dc from Adapter
Sample Number:	2W1V-1 (for RF Conducted Test) 2W1V-2 (for Conducted Emissions & Radiated Spurious Emissions Test)
EUT Received Date:	2024/12/17
EUT Received Status:	Good

1.1.2 Operation Frequency Detail

For 802.11a/n ht20/ac vht20:

5150-5250MHz Band		5725-5850MHz Band	
Channel	**Frequency (MHz)**	**Channel**	**Frequency (MHz)**
36	5180	149	5745
40	5200	153	5765
44	5220	157	5785
48	5240	161	5805
/	/	165	5825

Per section 15.31(m), the below channels were performed the test as below:

Test Channel	Test Frequency (MHz)	
	5150-5250 MHz	5725-5850 MHz
Lowest	5180	5745
Middle	5200	5785
Highest	5240	5825

For 802.11n ht40/ac vht40:

5150-5250MHz		5725-5850MHz	
Channel	**Frequency (MHz)**	**Channel**	**Frequency (MHz)**
38	5190	151	5755
46	5230	159	5795

Per section 15.31(m), the below channels were performed the test as below:

Test Channel	Test Frequency (MHz)	
	5150-5250 MHz	5725-5850 MHz
Lowest	5190	5755
Middle	/	/
Highest	5230	5795

For 802.11ac vht80:

5150-5250MHz		5725-5850MHz	
Channel	**Frequency (MHz)**	**Channel**	**Frequency (MHz)**
42	5210	155	5775

Per section 15.31(m), the below channels were performed the test as below:

Test Channel	Test Frequency (MHz)	
	5150-5250 MHz	5725-5850 MHz
Lowest	/	/
Middle	5210	5775
Highest	/	/

1.1.3 Antenna Information Detail▲

Antenna Type	input impedance (Ohm)	Frequency Range	Antenna Gain (dBi)
FPC	50	5.15~5.25 GHz	2.53
		5.725~5.85 GHz	3.2

The Method of §15.203 Compliance:

☒ Antenna was permanently attached to the unit.

☐ Antenna uses a unique type of connector to attach to the EUT.

☐ Unit was professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.

1.1.4 Accessory Information

Accessory Description	Manufacturer	Model
Adapter	SHENZHEN TIANYIN ELECTRONICS CO.,LTD.	TPA-203C050300UF01

1.2 Description of Test Configuration

1.2.1 EUT Operation Condition:

EUT Operation Mode:	The system was configured for testing in Engineering Mode, which was provided by the manufacturer.
Equipment Modifications:	No
EUT Exercise Software:	Engineer Mode

The software was provided by manufacturer. The maximum power was configured as below, that was provided by the manufacturer▲:

5150-5250 MHz Band:

Test Modes	Test Channels	Test Frequency (MHz)	Data rate	Power Level Setting
802.11a	Lowest	5180	6Mbps	12
	Middle	5200	6Mbps	12
	Highest	5240	6Mbps	12
802.11n ht20	Lowest	5180	MCS0	11
	Middle	5200	MCS0	11
	Highest	5240	MCS0	11
802.11n ht40	Lowest	5190	MCS0	11
	Highest	5230	MCS0	11
802.11ac vht80	Middle	5210	MCS0	11

5725-5850 MHz Band:

Test Modes	Test Channels	Test Frequency (MHz)	Data rate	Power Level Setting
802.11a	Lowest	5745	6Mbps	13
	Middle	5785	6Mbps	13
	Highest	5825	6Mbps	13
802.11n ht20	Lowest	5745	MCS0	12
	Middle	5785	MCS0	12
	Highest	5825	MCS0	12
802.11n ht40	Lowest	5755	MCS0	12
	Highest	5795	MCS0	12
802.11ac vht80	Middle	5775	MCS0	12

Note:
1. The system support 802.11a/n ht20/n ht40/ac vht20/vht40/vht80, the vht20/vht40 were reduced since the identical parameters with 802.11n ht20/ht40.
2. The above are the worst-case data rates, which are determined for each mode based upon investigations by measuring the average power and PSD across all data rates, bandwidths, and modulations.

1.2.2 Support Equipment List and Details

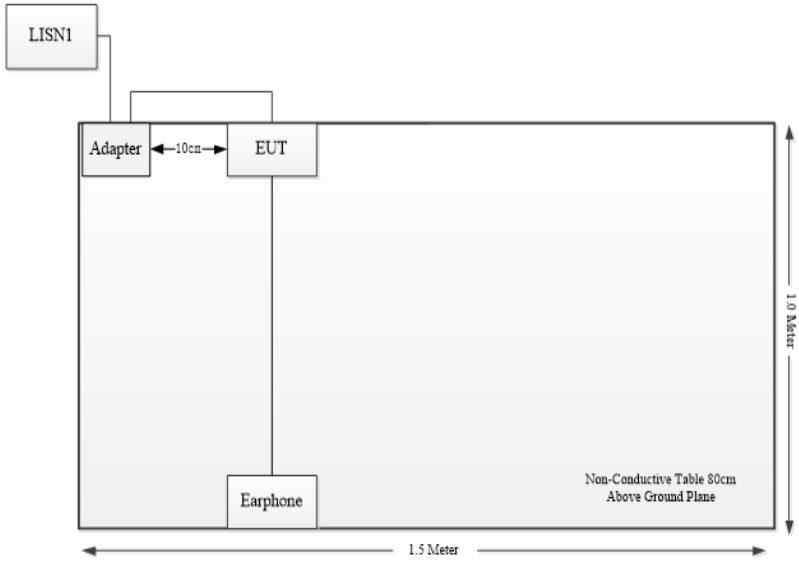
Manufacturer	Description	Model	Serial Number
IPRO	Earphone	Phonenix 5.0s	EP221126001
CLC	Earphone	Whiteview5.0	EP21106054

1.2.3 Support Cable List and Details

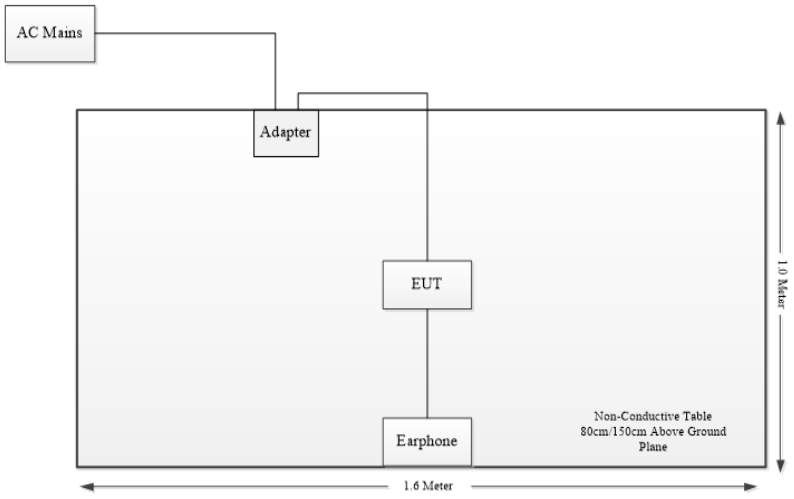
Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
Earphone Cable	No	No	1.2	EUT	Earphone
USB Cable	No	No	1.6	Adapter	EUT

1.2.4 Block Diagram of Test Setup

AC line conducted emissions:



Spurious Emissions:



1.3 Measurement Uncertainty

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

Parameter	Measurement Uncertainty
Occupied Channel Bandwidth	±5 %
RF output power, conducted	±0.61dB
Power Spectral Density, conducted	±0.61 dB
Unwanted Emissions, radiated	9k~30MHz: 4.12dB, 30M~200MHz: 4.15 dB, 200M~1GHz: 5.61 dB, 1G~6GHz: 5.14 dB, 6G~18GHz: 5.93 dB, 18G~26.5G: 5.47 dB, 26.5G~40G: 5.63 dB
Unwanted Emissions, conducted	±1.26 dB
Temperature	±1℃
Humidity	±5%
DC and low frequency voltages	±0.4%
Duty Cycle	1%
AC Power Lines Conducted Emission	2.8 dB (150 kHz to 30 MHz)

2. SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
FCC §15.203	Antenna Requirement	Compliant
FCC §15.207(a)	AC Line Conducted Emissions	Compliant
FCC §15.407(b)	Undesirable Emission& Restricted Bands	Compliant
FCC§15.407(a) (e)	Emission Bandwidth	Compliant
FCC§15.407(a) (e)	99% Occupied Bandwidth	Compliant
FCC§15.407 (a)	Maximum Conducted Output Power	Compliant
FCC§15.407 (a)	Power Spectral Density	Compliant
C63.10 §11.6	Duty Cycle	Compliant

3. REQUIREMENTS AND TEST PROCEDURES

3.1 AC Line Conducted Emissions

3.1.1 Applicable Standard

FCC §15.207(a).

(a) Except as shown in paragraphs (b) and (c) of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 μH/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequency ranges.

	Conducted limit (dBμV)	
Frequency of emission (MHz)	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

(b) The limit shown in paragraph (a) of this section shall not apply to carrier current systems operating as intentional radiators on frequencies below 30 MHz. In lieu thereof, these carrier current systems shall be subject to the following standards:

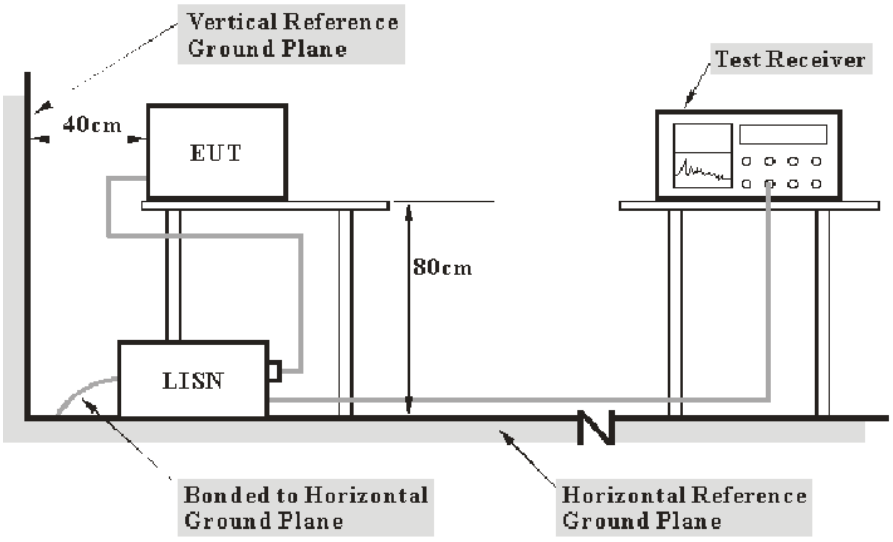
(1) For carrier current system containing their fundamental emission within the frequency band 535-1705 kHz and intended to be received using a standard AM broadcast receiver: no limit on conducted emissions.

(2) For all other carrier current systems: 1000 μV within the frequency band 535-1705 kHz, as measured using a 50 μH/50 ohms LISN.

(3) Carrier current systems operating below 30 MHz are also subject to the radiated emission limits in §15.205, §15.209, §15.221, §15.223, or §15.227, as appropriate.

(c) Measurements to demonstrate compliance with the conducted limits are not required for devices which only employ battery power for operation and which do not operate from the AC power lines or contain provisions for operation while connected to the AC power lines. Devices that include, or make provisions for, the use of battery chargers which permit operating while charging, AC adapters or battery eliminators or that connect to the AC power lines indirectly, obtainig their power through another device which is connected to the AC power lines, shall be tested to demonstrate compliance with the conducted limits.

3.1.2 EUT Setup



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

The setup of EUT is according with per ANSI C63.10-2020 measurement procedure. The specification used was with the FCC Part 15.207 limits.

The spacing between the peripherals was 10 cm.

The adapter or EUT was connected to the main LISN with a 120 V/60 Hz AC power source.

3.1.3 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

3.1.4 Test Procedure

The frequency and amplitude of the six highest ac power-line conducted emissions relative to the limit, measured over all the current-carrying conductors of the EUT power cords, and the operating frequency or frequency to which the EUT is tuned (if appropriate), should be reported, unless such emissions are more than 20 dB below the limit. AC power-line conducted emissions measurements are to be separately carried out only on each of the phase ("hot") line(s) and (if used) on the neutral line(s), but not on the ground [protective earth] line(s). If less than six emission frequencies are within 20 dB of the limit, then the noise level of the measuring instrument at representative frequencies should be reported. The specific conductor of the power-line cord for each of the reported emissions should be identified. Measure the six highest emissions with respect to the limit on each current-carrying conductor of each power cord associated with the EUT (but not the power cords of associated or peripheral equipment that are part of the test configuration). Then, report the six highest emissions with respect to the limit from among all the measurements identifying the frequency and specific current-carrying conductor identified with the emission. The six highest emissions should be reported for each of the current-carrying conductors, or the six highest emissions may be reported over all the current-carrying conductors.

3.1.5 Corrected Amplitude & Margin Calculation

The basic equation is as follows:

Result = Reading + Factor
Factor = attenuation caused by cable loss + voltage division factor of AMN

The "**Margin**" column of the following data tables indicates the degree of compliance within the applicable limit. The equation for margin calculation is as follows:

Margin = Limit – Result

3.2 Radiation Spurious Emissions

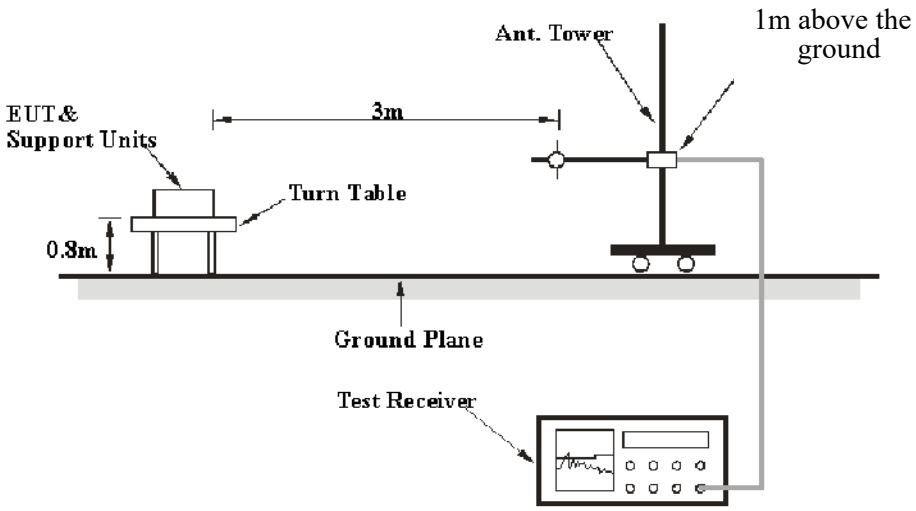
3.2.1 Applicable Standard

FCC §15.407 (b);

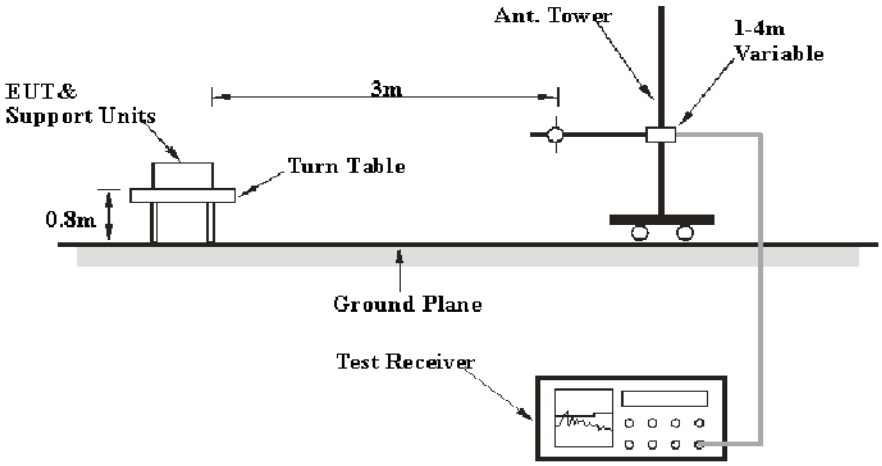
Undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:
(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of –27 dBm/MHz.
(2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of –27 dBm/MHz.
(3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of –27 dBm/MHz.
(4) For transmitters operating solely in the 5.725-5.850 GHz band:
(i) All emissions shall be limited to a level of –27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.
(ii) Devices certified before March 2, 2017 with antenna gain greater than 10 dBi may demonstrate compliance with the emission limits in § 15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease by March 2, 2018. Devices certified before March 2, 2018 with antenna gain of 10 dBi or less may demonstrate compliance with the emission limits in § 15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease before March 2, 2020.
(8) The emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 1 MHz.
(9) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in § 15.209. Further, any U-NII devices using an AC power line are required to comply also with the conducted limits set forth in § 15.207.
(10) The provisions of § 15.205 apply to intentional radiators operating under this section.
(11) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the upper and lower frequency band edges as the design of the equipment permits.
(c) The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signaling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization a description of how this requirement is met.

3.2.2 EUT Setup

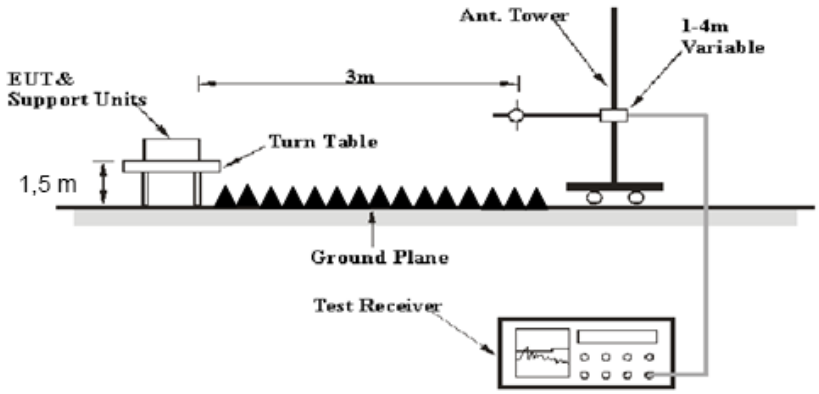
9kHz - 30MHz:



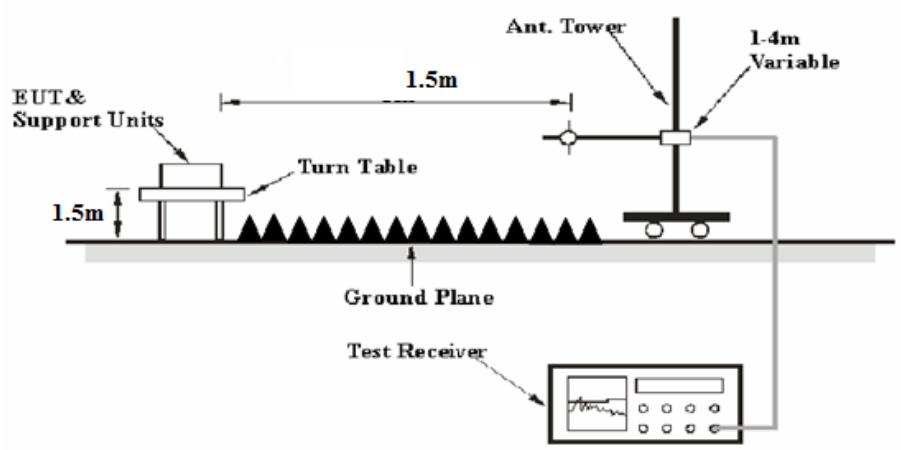
30MHz - 1GHz:



1GHz – 26.5GHz:



26.5GHz - 40 GHz:



The radiated emission tests were performed in the 3 meters chamber test site, using the setup accordance with the ANSI C63.10-2020. The specification used was FCC 15.209, FCC 15.407 limits.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

The spacing between the peripherals was 10 cm.

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

3.2.3 EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 9 kHz to 40 GHz.

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

Frequency Range	RBW	Video B/W	IF B/W	Detector	Measurement
9 kHz – 150 kHz	300 Hz	1 kHz	/	Peak	PK
	/	/	200 Hz	Quasi Peak/ Average	QP/AV
150 kHz – 30 MHz	10 kHz	30 kHz	/	Peak	PK
	/	/	9 kHz	Quasi Peak/ Average	QP/AV
30MHz – 1000 MHz	100 kHz	300 kHz	/	Peak	PK
	/	/	120kHz	Quasi Peak	QP

1GHz- 40GHz:
Pre-scan:

Measurement	Duty cycle	RBW	Video B/W	Detector
PK	Any	1MHz	3 MHz	Peak
Ave.	>98%	1MHz	5 kHz	Peak
	<98%	1MHz	≥1/T, not less than 5 kHz	Peak

Note: T is minimum transmission duration

Final measurement for emission identified during the pre-scan:

Measurement	Duty cycle	RBW	Video B/W	Detector
PK	Any	1MHz	3 MHz	Peak
Ave.	>98%	1MHz	10 Hz	Peak
	<98%	1MHz	≥1/T	Peak

Note: T is minimum transmission duration

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

3.2.4 Test Procedure

During the radiated emission test, the adapter was connected to the first AC floor outlet.

Data was recorded in Quasi-peak detection mode for frequency range of 9 kHz-1 GHz except 9–90 kHz, 110–490 kHz, employing an average detector, peak and Average detection modes for frequencies above 1 GHz.

According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, emission shall be computed as: E [dBμV/m] = EIRP[dBm] + 95.2, for d = 3 meters.

According to C63.10, the above 1G 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 (specific distance [3m]/test distance [1.5m]) dB= 6.02 dB

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

3.2.5 Corrected Amplitude & Margin Calculation

The basic equation is as follows:

Result = Reading + Factor

For 9kHz-26.5GHz:
Factor = Antenna Factor + Cable Loss- Amplifier Gain

For 26.5GHz-40GHz
Factor = Antenna Factor + Cable Loss- Amplifier Gain -Distance extrapolation Factor

The "**Margin**" column of the following data tables indicates the degree of compliance within the applicable limit. The equation for margin calculation is as follows:

Margin = Limit – Result

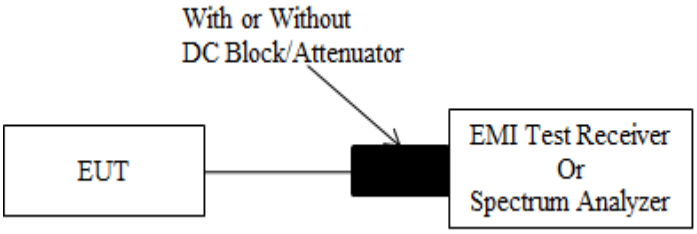
3.3 Emission Bandwidth

3.3.1 Applicable Standard

FCC §15.407 (a), (h)
(h)(2) Radar Detection Function of Dynamic Frequency Selection (DFS). U-NII devices operating with any part of its 26 dB emission bandwidth in the 5.25-5.35 GHz and 5.47-5.725 GHz bands shall employ a DFS radar detection mechanism to detect the presence of radar systems and to avoid co-channel operation with radar systems.

FCC §15.407 (e)
Within the 5.725-5.850 GHz and 5.850-5.895 GHz bands, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

3.3.2 EUT Setup



A short RF cable with low cable loss connected to the EUT antenna port, the insert loss of this RF cable/attenuator was offset into the setting of test equipment.

3.3.3 Test Procedure

26dB Emission Bandwidth:

According to ANSI C63.10-2020 Section 12.5.2

a) Set RBW = shall be in the range of 1% to 5% of the emission bandwidth.
b) Set the VBW > RBW.
c) Detector = peak.
d) Trace mode = max-hold.
e) Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the instrument. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is in the range of 1% to 5%.

6 dB emission bandwidth:

According to ANSI C63.10-2020 Section 12.5.1

a) Set RBW = 100 kHz.
b) Set the video bandwidth (VBW) ≥ 3 × 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 that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 Db relative to the maximum level measured in the fundamental emission.

99% Occupied Bandwidth:

According to ANSI C63.10-2020 Section 12.5.3&6.9.3

The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission. The following procedure shall be used for measuring 99% power bandwidth:

a) The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.
b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be at least three times the RBW, unless otherwise specified by the applicable requirement.
c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than [10 log (OBW/RBW)] below the reference level. Specific guidance is given in 4.1.6.2.
d) Step a) through step c) might require iteration to adjust within the specified range.
e) Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max-hold mode (until the trace stabilizes) shall be used.
f) Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.
g) If the instrument does not have a 99% power bandwidth function, then the trace data points are recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% power bandwidth is the difference between these two frequencies.
h) The occupied bandwidth shall be reported by providing spectral plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

3.4 Maximum Conducted Output Power

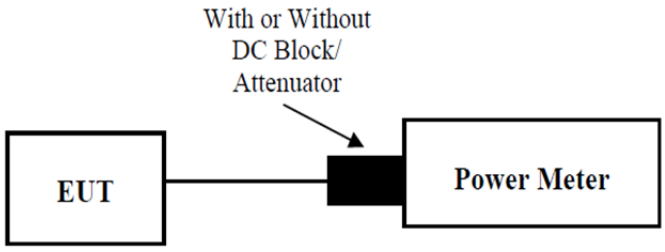
3.4.1 Applicable Standard

FCC §15.407(a) (1)(iv)
For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

FCC §15.407(a) (2)
For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

FCC §15.407(a) (3)(i)
For the band 5.725-5.850 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

3.4.2 EUT Setup



A short RF cable with low cable loss connected to the EUT antenna port, the insert loss of this RF cable/attenuator was offset into the setting of test equipment.

3.4.3 Test Procedure

According to ANSI C63.10-2020 Section 12.4.3.2

Method PM-G is measurement using a gated RF average power meter.

Measurements may be performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Because the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

3.5 Maximum Power Spectral Density

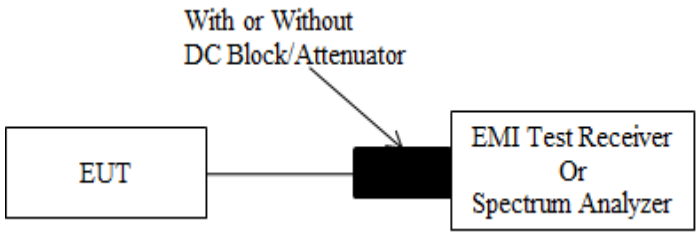
3.5.1 Applicable Standard

FCC §15.407(a) (1)(iv)
For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

FCC §15.407(a) (2)
For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

FCC §15.407(a) (3)(i)
For the band 5.725-5.850 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

3.5.2 EUT Setup



A short RF cable with low cable loss connected to the EUT antenna port, the insert loss of this RF cable/attenuator was offset into the setting of test equipment.

3.5.3 Test Procedure

According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01

Duty cycle ≥98%

KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-1 should be applied.

Duty cycle <98%, duty cycle variations are less than ±2%

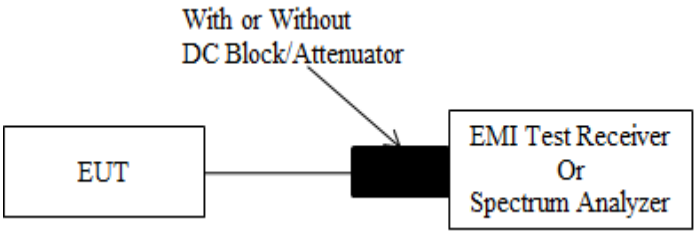
KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-2 should be applied.

Duty cycle <98%, duty cycle variations exceed ±2%

KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-3 should be applied.

3.6 Duty Cycle

3.6.1 EUT Setup



A short RF cable with low cable loss connected to the EUT antenna port, the insert loss of this RF cable/attenuator was offset into the setting of test equipment.

3.6.2 Test Procedure

According to ANSI C63.10-2020 Section 12.2

The zero-span mode on a spectrum analyzer or EMI receiver, if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the ON and OFF times of the transmitted signal:
i) Set the center frequency of the instrument to the center frequency of the transmission.
ii) Set RBW ≥ EBW if possible; otherwise, set RBW to the largest available value.
iii) Set VBW ≥ RBW.
iv) Set detector = peak.
v) The zero-span measurement method shall not be used unless both RBW and VBW are > 50/T, where T is defined in item a1) of 12.2, and the number of sweep points across duration T exceeds 100. For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring duty cycle shall not be used if T ≤ 16.7μs.

3.7 Antenna Requirement

3.7.1 Applicable Standard

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. This requirement does not apply to carrier current devices or to devices operated under the provisions of §§15.211, 15.213, 15.217, 15.219, 15.221, or §15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

3.7.2 Judgment

Result: Compliant. Please refer to the Antenna Information detail in Section 1.

4. Test DATA AND RESULTS

4.1 AC Line Conducted Emissions

Sample Number:	2W1V-2	Test Date:	2024/12/18
Test Site:	CE	Test Mode:	Transmitting (maximum output power mode, 802.11a 5745MHz)
Tester:	David Huang	Test Result:	Pass

Environmental Conditions:

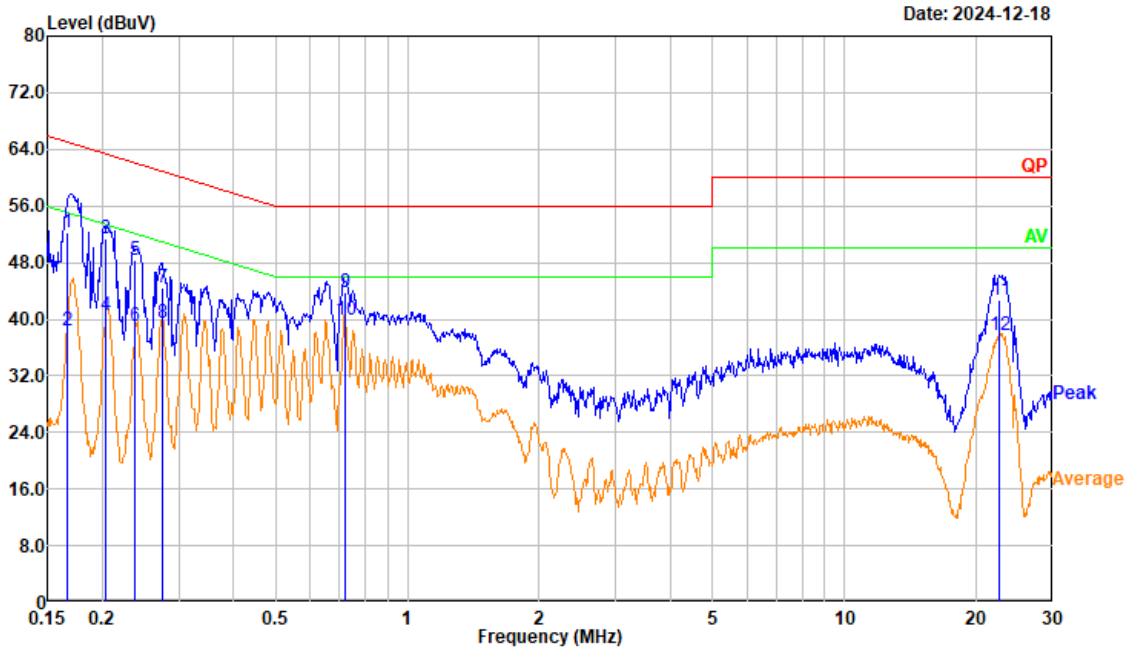
Temperature: (℃)	23.5	Relative Humidity: (%)	27	ATM Pressure: (kPa)	101.9

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	LISN	ENV216	101132	2024/4/1	2025/3/31
R&S	EMI Test Receiver	ESR3	103104	2024/5/10	2025/5/9
MICRO-COAX	Coaxial Cable	UTIFLEX	C-0200-01	2024/1/15	2025/1/14
Audix	Test Software	E3	191218 (V9)	N/A	N/A

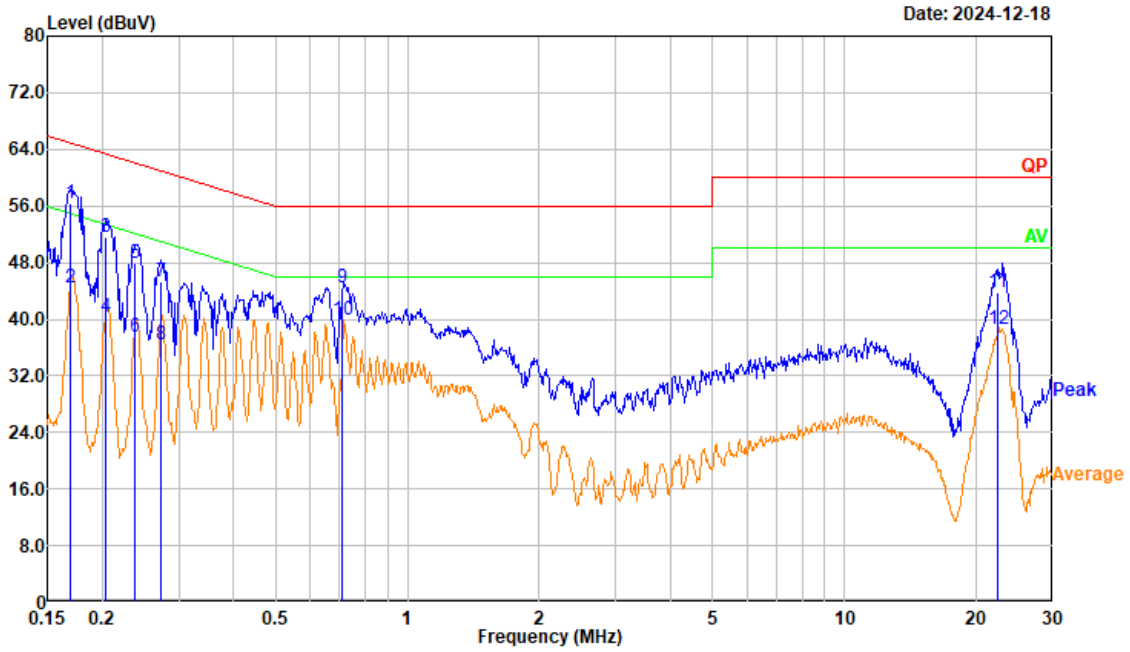
** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Project No.: 2403A45479E-RF
Tester: David Huang
Condition: IFBW:9 kHz Meas Time:0.025sec
Port: Line
Note: Transmitting(5G WIFI)



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.166	41.89	10.28	52.17	65.15	12.98	QP
2	0.166	28.15	10.28	38.43	55.15	16.72	Average
3	0.204	41.36	10.02	51.38	63.44	12.06	QP
4	0.204	30.57	10.02	40.59	53.44	12.85	Average
5	0.239	38.28	10.07	48.35	62.14	13.79	QP
6	0.239	28.88	10.07	38.95	52.14	13.19	Average
7	0.276	34.29	10.14	44.43	60.93	16.50	QP
8	0.276	29.38	10.14	39.52	50.93	11.41	Average
9	0.719	33.08	10.70	43.78	56.00	12.22	QP
10	0.719	29.21	10.70	39.91	46.00	6.09	Average
11	22.648	32.76	9.90	42.66	60.00	17.34	QP
12	22.648	27.72	9.90	37.62	50.00	12.38	Average

Project No.: 2403A45479E-RF
Tester: David Huang
Condition: IFBW:9 kHz Meas Time:0.025sec
Port: neutral
Note: Transmitting(5G WIFI)



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.169	46.03	10.43	56.46	65.00	8.54	QP
2	0.169	34.11	10.43	44.54	55.00	10.46	Average
3	0.203	41.38	10.31	51.69	63.47	11.78	QP
4	0.203	30.05	10.31	40.36	53.47	13.11	Average
5	0.237	37.65	10.33	47.98	62.19	14.21	QP
6	0.237	27.27	10.33	37.60	52.19	14.59	Average
7	0.272	35.01	10.36	45.37	61.05	15.68	QP
8	0.272	26.10	10.36	36.46	51.05	14.59	Average
9	0.712	34.12	10.22	44.34	56.00	11.66	QP
10	0.712	29.76	10.22	39.98	46.00	6.02	Average
11	22.442	33.53	10.21	43.74	60.00	16.26	QP
12	22.442	28.42	10.21	38.63	50.00	11.37	Average

4.2 Radiation Spurious Emissions

4.2.1 9 kHz – 1 GHz

Sample Number:	2W1V-2	Test Date:	2024/12/25
Test Site:	966-2	Test Mode:	Transmitting (maximum output power mode, 802.11a 5745MHz)
Tester:	Roinin Fu	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	24.6	Relative Humidity: (%)	57	ATM Pressure: (kPa)	101.8

Test Equipment List and Details:

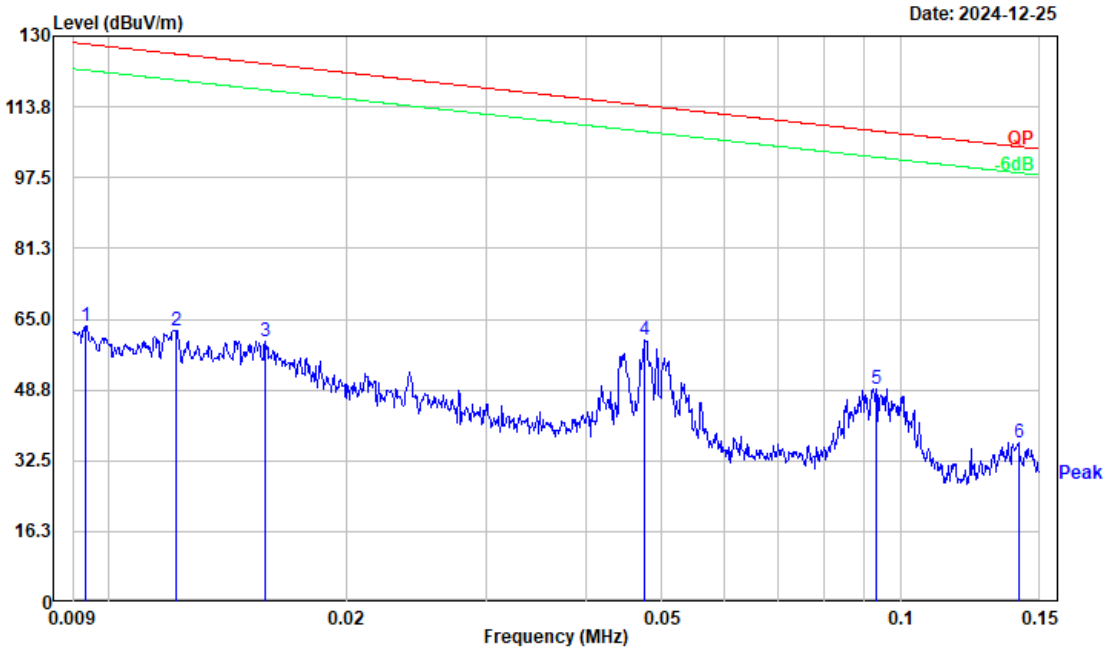
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Sunol Sciences	Antenna	JB6	A082520-5	2023/12/1	2026/11/30
BACL	Loop Antenna	1313-1A	3110611	2023/12/4	2026/12/3
Daruikang	Coaxial Cable	BNC-JJ-RG58	C-0300-01	2024/1/11	2025/1/10
Daruikang	Coaxial Cable	BNC-JJ-RG58	C-0500-01	2024/1/11	2025/1/10
R&S	EMI Test Receiver	ESR3	102724	2024/2/29	2025/2/28
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0100-03	2024/12/3	2025/12/2
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0370-01	2024/12/3	2025/12/2
XQY	Coaxial Cable	XQY-CMR400UF-NJ-NJ-7M	24056379	2024/6/11	2025/6/10
Sonoma	Amplifier	310N	186165	2024/12/3	2025/12/2
Audix	Test Software	E3	191218 (V9)	N/A	N/A

** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Data:

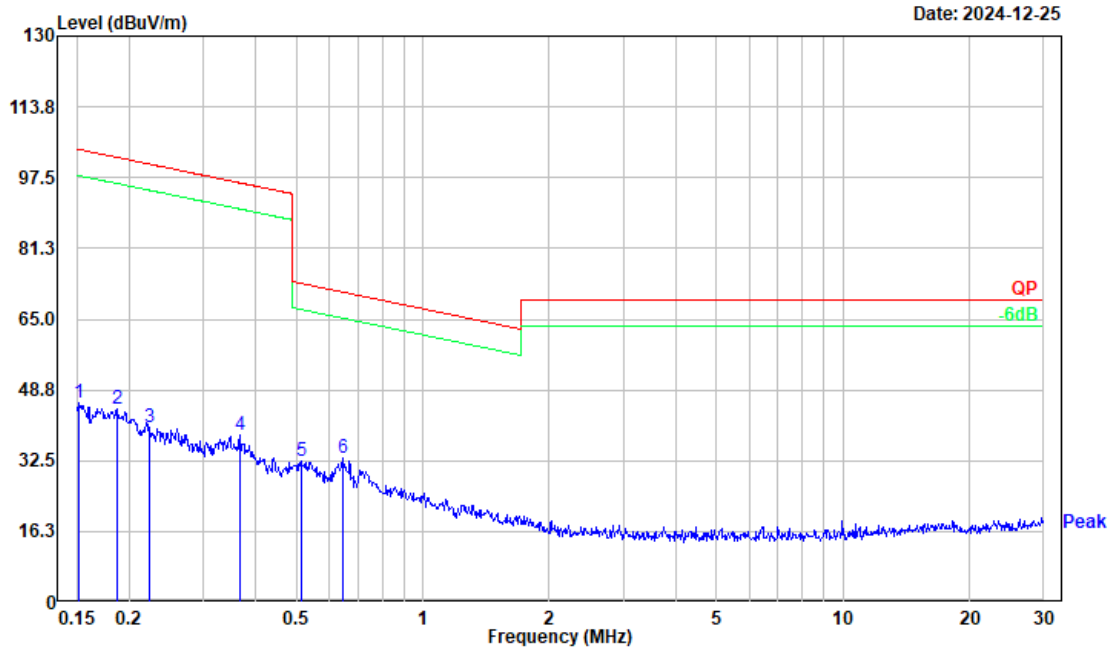
After pre-scan in the X, Y and Z axes of orientation, the worst case is refer to plots.

Project No.: 2403A45479E-RF
Tester: Roinin Fu
Condition: RBW:0.3 kHz VBW:1 kHz SWT:0.1 sec
Polarization: Parallel
Note: Transmitting



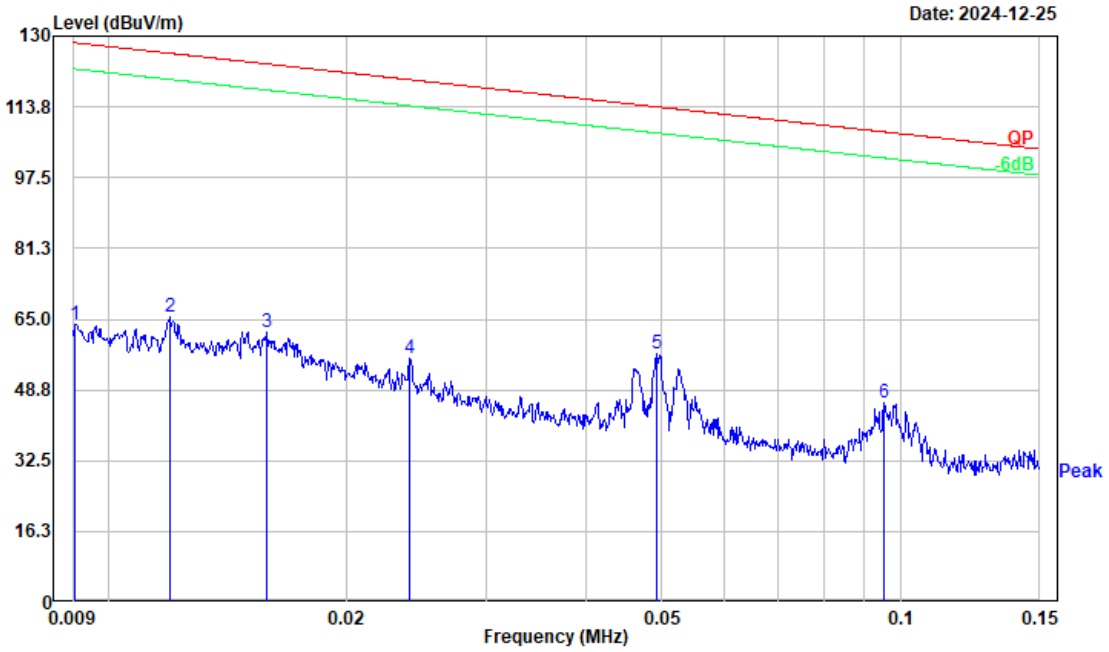
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	0.009	28.18	35.26	63.44	128.18	64.74	Peak
2	0.012	29.07	33.37	62.44	125.91	63.47	Peak
3	0.016	28.34	31.61	59.95	123.66	63.71	Peak
4	0.047	39.21	20.96	60.17	114.08	53.91	Peak
5	0.093	33.89	15.20	49.09	108.21	59.12	Peak
6	0.141	23.93	12.73	36.66	104.62	67.96	Peak

Project No.: 2403A45479E-RF
Tester: Roinin Fu
Condition: RBW:10 kHz VBW:30 kHz SWT:0.1 sec
Polarization: Parallel
Note: Transmitting



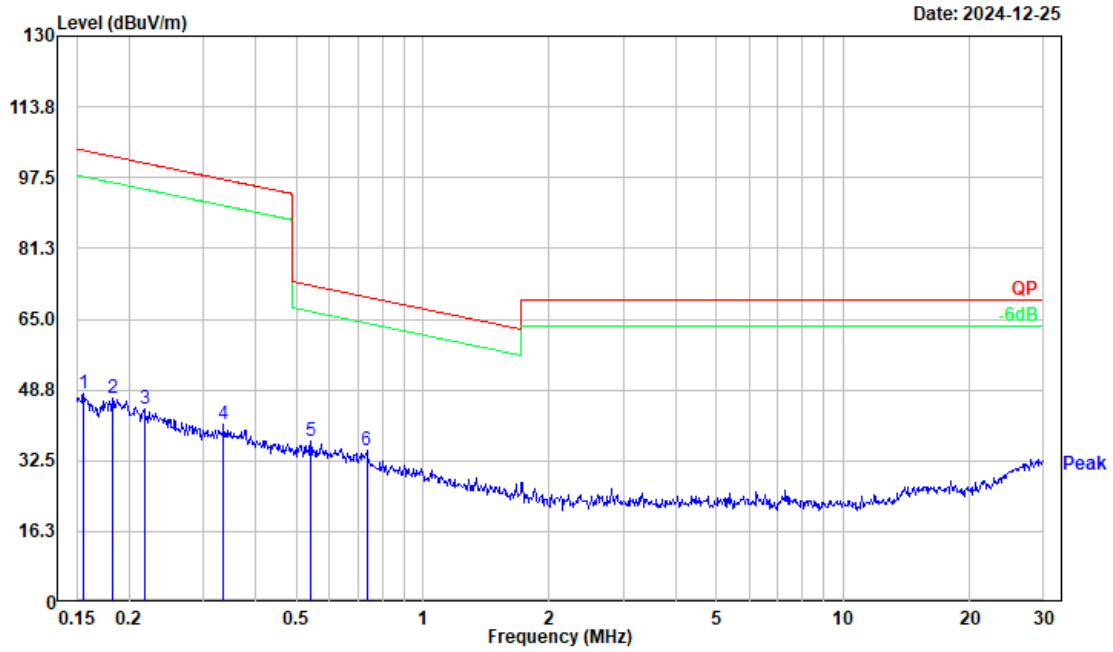
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	0.152	33.58	12.24	45.82	103.99	58.17	Peak
2	0.187	33.90	10.58	44.48	102.15	57.67	Peak
3	0.224	31.18	8.86	40.04	100.58	60.54	Peak
4	0.367	34.53	3.87	38.40	96.30	57.90	Peak
5	0.513	31.48	0.81	32.29	73.40	41.11	Peak
6	0.647	34.03	-0.75	33.28	71.33	38.05	Peak

Project No.: 2403A45479E-RF
Tester: Roinin Fu
Condition: RBW:0.3 kHz VBW:1 kHz SWT:0.1 sec
Polarization: Perpendicular
Note: Transmitting



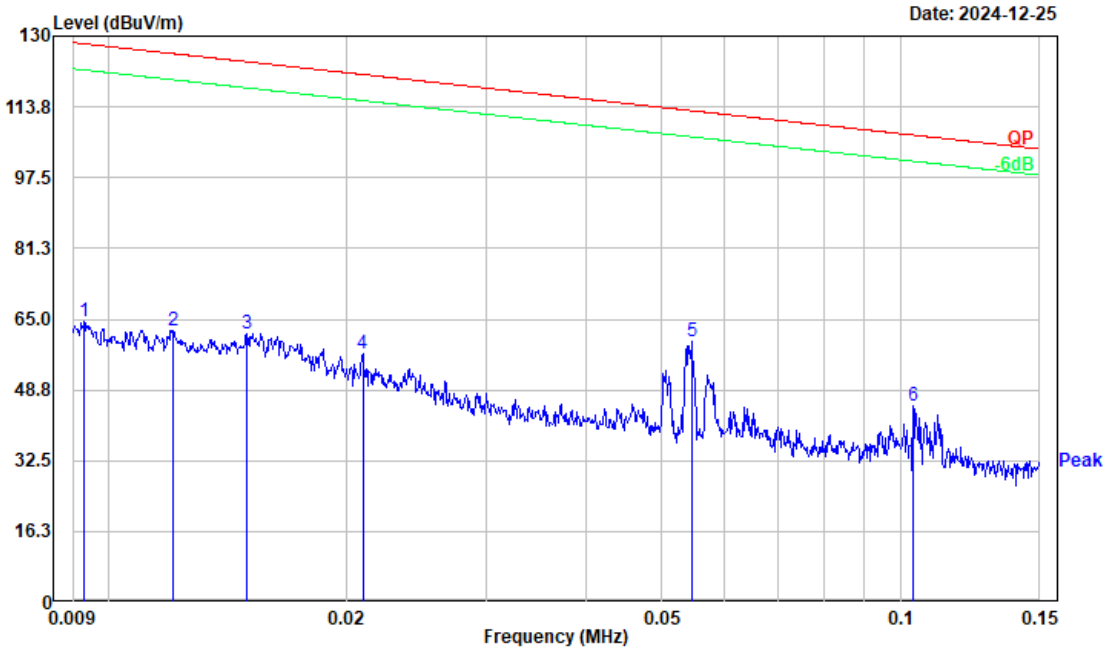
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	0.009	28.13	35.63	63.76	128.45	64.69	Peak
2	0.012	32.01	33.49	65.50	126.08	60.58	Peak
3	0.016	30.47	31.57	62.04	123.61	61.57	Peak
4	0.024	28.60	27.56	56.16	119.99	63.83	Peak
5	0.049	36.43	20.59	57.02	113.76	56.74	Peak
6	0.095	30.71	15.03	45.74	108.02	62.28	Peak

Project No.: 2403A45479E-RF
Tester: Roinin Fu
Condition: RBW:10 kHz VBW:30 kHz SWT:0.1 sec
Polarization: Perpendicular
Note: Transmitting



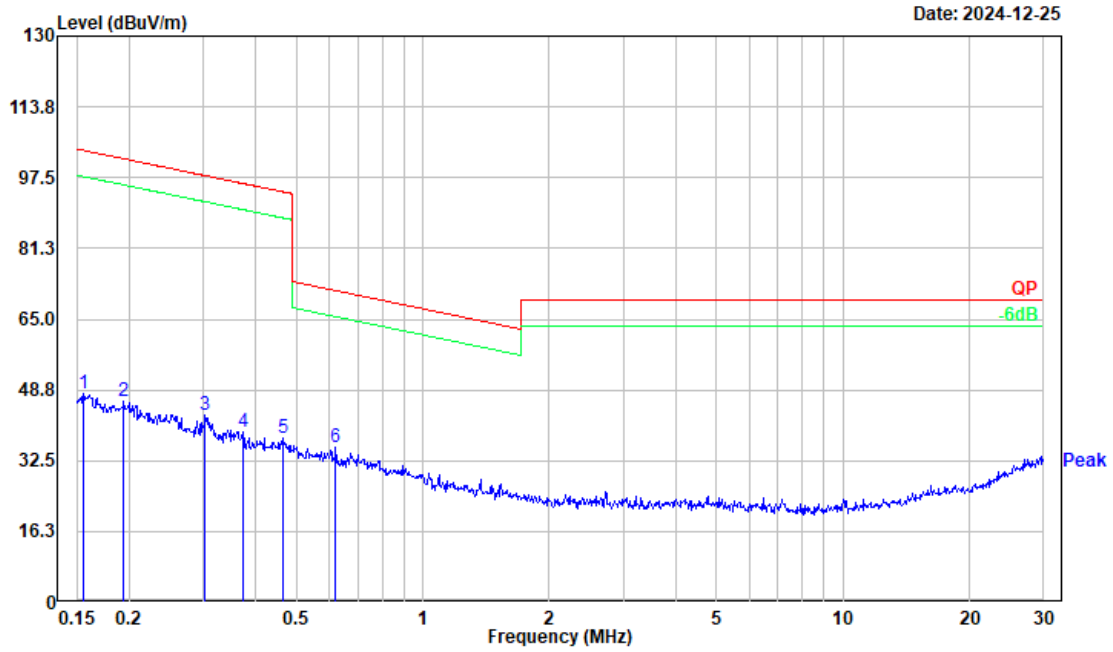
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	0.156	35.89	12.05	47.94	103.76	55.82	Peak
2	0.182	36.01	10.80	46.81	102.38	55.57	Peak
3	0.217	35.37	9.18	44.55	100.86	56.31	Peak
4	0.336	36.22	4.57	40.79	97.09	56.30	Peak
5	0.541	36.47	0.49	36.96	72.93	35.97	Peak
6	0.735	36.55	-1.77	34.78	70.20	35.42	Peak

Project No.: 2403A45479E-RF
Tester: Roinin Fu
Condition: RBW:0.3 kHz VBW:1 kHz SWT:0.1 sec
Polarization: Ground-parallel
Note: Transmitting



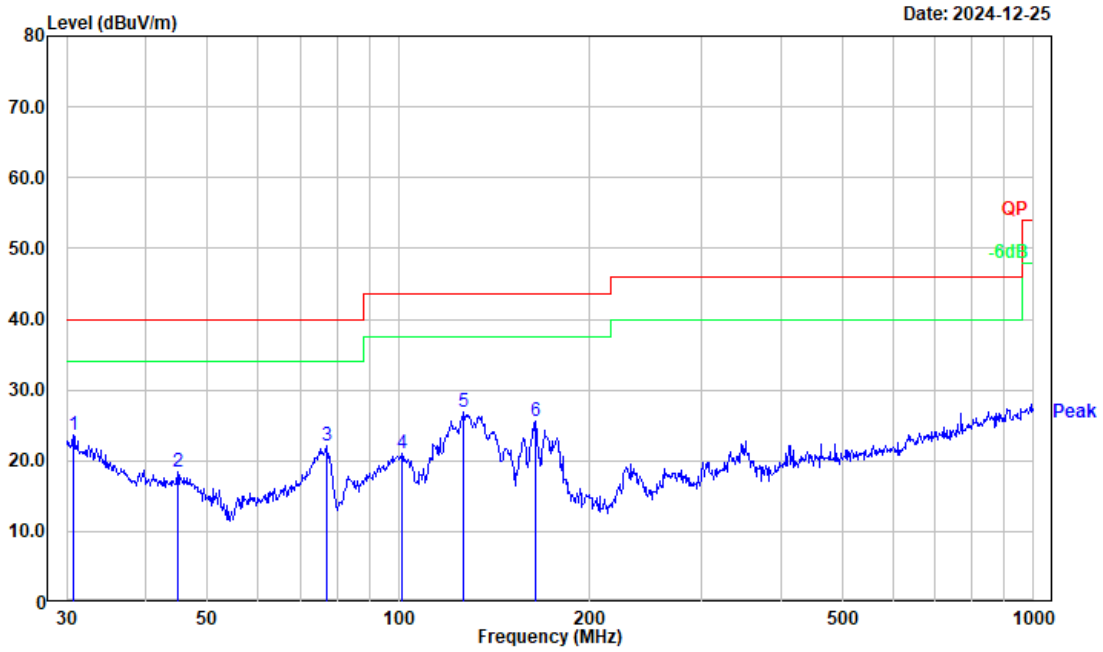
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	0.009	29.14	35.33	64.47	128.23	63.76	Peak
2	0.012	29.01	33.42	62.43	125.98	63.55	Peak
3	0.015	29.81	32.01	61.82	124.12	62.30	Peak
4	0.021	28.00	29.07	57.07	121.19	64.12	Peak
5	0.054	40.01	19.82	59.83	112.88	53.05	Peak
6	0.104	30.59	14.47	45.06	107.28	62.22	Peak

Project No.: 2403A45479E-RF
Tester: Roinin Fu
Condition: RBW:10 kHz VBW:30 kHz SWT:0.1 sec
Polarization: Ground-parallel
Note: Transmitting



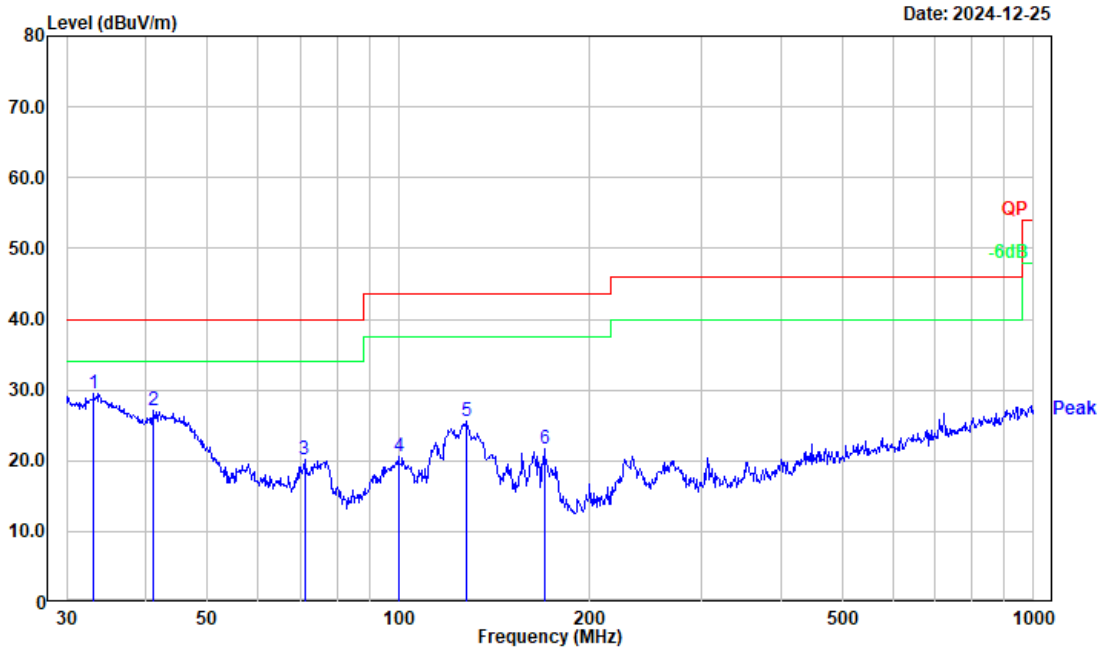
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	0.156	35.70	12.05	47.75	103.76	56.01	Peak
2	0.194	36.03	10.25	46.28	101.83	55.55	Peak
3	0.303	37.69	5.27	42.96	97.96	55.00	Peak
4	0.373	35.36	3.74	39.10	96.17	57.07	Peak
5	0.464	35.99	1.76	37.75	94.28	56.53	Peak
6	0.621	35.98	-0.44	35.54	71.71	36.17	Peak

Project No.: 2403A45479E-RF
Tester: Roinin Fu
Condition: RBW:100 kHz VBW:300 kHz SWT:0.1 sec
Polarization: horizontal
Note: Transmitting



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.745	27.85	-4.27	23.58	40.00	16.42	Peak
2	44.901	32.98	-14.66	18.32	40.00	21.68	Peak
3	77.051	39.22	-17.12	22.10	40.00	17.90	Peak
4	101.289	35.07	-14.10	20.97	43.50	22.53	Peak
5	126.772	37.84	-11.05	26.79	43.50	16.71	Peak
6	164.330	37.76	-12.22	25.54	43.50	17.96	Peak

Project No.: 2403A45479E-RF
Tester: Roinin Fu
Condition: RBW:100 kHz VBW:300 kHz SWT:0.1 sec
Polarization: vertical
Note: Transmitting



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	33.095	35.65	-6.11	29.54	40.00	10.46	Peak
2	41.132	39.17	-12.11	27.06	40.00	12.94	Peak
3	71.080	37.30	-17.22	20.08	40.00	19.92	Peak
4	99.878	35.08	-14.58	20.50	43.50	23.00	Peak
5	127.665	36.77	-11.10	25.67	43.50	17.83	Peak
6	169.599	34.23	-12.60	21.63	43.50	21.87	Peak

4.2.2 1 GHz – 40 GHz:

Sample Number	2W1V-2	Test Date:	2025/3/16
Test Site:	966-1	Test Mode:	Transmitting
Tester:	Tao Zhu	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	25.5	Relative Humidity: (%)	45	ATM Pressure: (kPa)	101.2

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
ETS-Lindgren	Horn Antenna	3115	9912-5985	2023/12/6	2026/12/5
R&S	Spectrum Analyzer	FSV40	101591	2024/4/1	2025/3/31
MICRO-COAX	Coaxial Cable	UFA210A-1-1200-70U300	217423-008	2025/1/10	2026/1/9
MICRO-COAX	Coaxial Cable	UFA210A-1-2362-300300	235780-001	2025/1/10	2026/1/9
A.H	Preamplifier	PAM-0118P	628	2025/2/21	2026/2/20
Audix	Test Software	E3	191218 (V9)	N/A	N/A
PASTERNACK	Horn Antenna	PE9852/2F-20	112002	2024/2/4	2027/2/3
PASTERNACK	Horn Antenna	PE9850/2F-20	072001	2024/2/4	2027/2/3
Quinstar	Preamplifier	QLW-18405536-JO	15964001005	2025/1/6	2026/1/5
MICRO-COAX	Coaxial Cable	UFB142A-1-2362-200200	235772-001	2025/1/6	2026/1/5
JD	Multiplex Switch Test Control Set	DT7220SCU	DQ77925	2024/8/5	2025/8/4
JD	Filter Switch Unit	DT7220FSU	DQ77928	2024/8/5	2025/8/4

** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Data:

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

5150-5250MHz:

802.11a Mode:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Remark					
Low Channel: 5180 MHz							
10360.000	43.52	PK	H	2.01	45.53	68.20	22.67
10360.000	43.39	PK	V	2.01	45.40	68.20	22.80
15540.000	44.25	PK	H	4.08	48.33	74.00	25.67
15540.000	32.52	AV	H	4.08	36.60	54.00	17.40
15540.000	44.58	PK	V	4.08	48.66	74.00	25.34
15540.000	32.44	AV	V	4.08	36.52	54.00	17.48
Middle Channel: 5200 MHz							
10400.000	42.92	PK	H	2.07	44.99	68.20	23.21
10400.000	43.10	PK	V	2.07	45.17	68.20	23.03
15600.000	44.45	PK	H	3.92	48.37	74.00	25.63
15600.000	32.40	AV	H	3.92	36.32	54.00	17.68
15600.000	44.56	PK	V	3.92	48.48	74.00	25.52
15600.000	32.41	AV	V	3.92	36.33	54.00	17.67
High Channel: 5240 MHz							
10480.000	42.96	PK	H	2.58	45.54	68.20	22.66
10480.000	43.37	PK	V	2.58	45.95	68.20	22.25
15720.000	44.27	PK	H	3.83	48.10	74.00	25.90
15720.000	32.64	AV	H	3.83	36.47	54.00	17.53
15720.000	44.69	PK	V	3.83	48.52	74.00	25.48
15720.000	32.27	AV	V	3.83	36.10	54.00	17.90

802.11n ht20 Mode:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Remark					
Low Channel: 5180 MHz							
10360.000	43.65	PK	H	2.01	45.66	68.20	22.54
10360.000	43.34	PK	V	2.01	45.35	68.20	22.85
15540.000	44.87	PK	H	4.08	48.95	74.00	25.05
15540.000	32.10	AV	H	4.08	36.18	54.00	17.82
15540.000	44.76	PK	V	4.08	48.84	74.00	25.16
15540.000	32.15	AV	V	4.08	36.23	54.00	17.77
Middle Channel: 5200 MHz							
10400.000	43.47	PK	H	2.07	45.54	68.20	22.66
10400.000	43.37	PK	V	2.07	45.44	68.20	22.76
15600.000	45.63	PK	H	3.92	49.55	74.00	24.45
15600.000	32.56	AV	H	3.92	36.48	54.00	17.52
15600.000	44.89	PK	V	3.92	48.81	74.00	25.19
15600.000	32.64	AV	V	3.92	36.56	54.00	17.44
High Channel: 5240 MHz							
10480.000	43.52	PK	H	2.58	46.10	68.20	22.10
10480.000	43.33	PK	V	2.58	45.91	68.20	22.29
15720.000	44.83	PK	H	3.83	48.66	74.00	25.34
15720.000	32.21	AV	H	3.83	36.04	54.00	17.96
15720.000	45.20	PK	V	3.83	49.03	74.00	24.97
15720.000	33.10	AV	V	3.83	36.93	54.00	17.07

802.11n ht40 Mode:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Remark					
Low Channel: 5190 MHz							
10380.000	43.37	PK	H	2.04	45.41	68.20	22.79
10380.000	43.35	PK	V	2.04	45.39	68.20	22.81
15570.000	44.45	PK	H	4.00	48.45	74.00	25.55
15570.000	32.29	AV	H	4.00	36.29	54.00	17.71
15570.000	44.69	PK	V	4.00	48.69	74.00	25.31
15570.000	32.46	AV	V	4.00	36.46	54.00	17.54
High Channel: 5230 MHz							
10460.000	43.26	PK	H	2.46	45.72	68.20	22.48
10460.000	43.48	PK	V	2.46	45.94	68.20	22.26
15690.000	45.00	PK	H	3.80	48.80	74.00	25.20
15690.000	33.25	AV	H	3.80	37.05	54.00	16.95
15690.000	45.11	PK	V	3.80	48.91	74.00	25.09
15690.000	33.12	AV	V	3.80	36.92	54.00	17.08

802.11ac80 Mode:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Remark					
Middle Channel: 5210 MHz							
10420.000	43.25	PK	H	2.20	45.45	68.20	22.75
10420.000	43.59	PK	V	2.20	45.79	68.20	22.41
15630.000	44.58	PK	H	3.88	48.46	74.00	25.54
15630.000	32.14	AV	H	3.88	36.02	54.00	17.98
15630.000	44.59	PK	V	3.88	48.47	74.00	25.53
15630.000	32.26	AV	V	3.88	36.14	54.00	17.86

5725-5850MHz

802.11a Mode:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Remark					
Low Channel: 5745 MHz							
11490.000	42.71	PK	H	4.77	47.48	74.00	26.52
11490.000	30.78	AV	H	4.77	35.55	54.00	18.45
11490.000	43.25	PK	V	4.77	48.02	74.00	25.98
11490.000	31.21	AV	V	4.77	35.98	54.00	18.02
17235.000	43.63	PK	H	9.20	52.83	68.20	15.37
17235.000	43.58	PK	V	9.20	52.78	68.20	15.42
Middle Channel: 5785 MHz							
11570.000	42.85	PK	H	5.25	48.10	74.00	25.90
11570.000	30.56	AV	H	5.25	35.81	54.00	18.19
11570.000	43.29	PK	V	5.25	48.54	74.00	25.46
11570.000	31.20	AV	V	5.25	36.45	54.00	17.55
17355.000	43.32	PK	H	10.13	53.45	68.20	14.75
17355.000	43.66	PK	V	10.13	53.79	68.20	14.41
High Channel: 5825 MHz							
11650.000	43.33	PK	H	5.55	48.88	74.00	25.12
11650.000	31.24	AV	H	5.55	36.79	54.00	17.21
11650.000	43.77	PK	V	5.55	49.32	74.00	24.68
11650.000	31.16	AV	V	5.55	36.71	54.00	17.29
17475.000	43.11	PK	H	10.91	54.02	68.20	14.18
17475.000	43.68	PK	V	10.91	54.59	68.20	13.61

802.11n ht20 Mode:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Remark					
Low Channel: 5745 MHz							
11490.000	43.35	PK	H	4.77	48.12	74.00	25.88
11490.000	31.52	AV	H	4.77	36.29	54.00	17.71
11490.000	43.64	PK	V	4.77	48.41	74.00	25.59
11490.000	31.48	AV	V	4.77	36.25	54.00	17.75
17235.000	43.95	PK	H	9.20	53.15	68.20	15.05
17235.000	44.14	PK	V	9.20	53.34	68.20	14.86
Middle Channel: 5785 MHz							
11570.000	42.47	PK	H	5.25	47.72	74.00	26.28
11570.000	30.58	AV	H	5.25	35.83	54.00	18.17
11570.000	43.34	PK	V	5.25	48.59	74.00	25.41
11570.000	30.55	AV	V	5.25	35.80	54.00	18.20
17355.000	43.34	PK	H	10.13	53.47	68.20	14.73
17355.000	43.58	PK	V	10.13	53.71	68.20	14.49
High Channel: 5825 MHz							
11650.000	43.47	PK	H	5.55	49.02	74.00	24.98
11650.000	31.28	AV	H	5.55	36.83	54.00	17.17
11650.000	43.65	PK	V	5.55	49.20	74.00	24.80
11650.000	31.46	AV	V	5.55	37.01	54.00	16.99
17475.000	43.11	PK	H	10.91	54.02	68.20	14.18
17475.000	43.35	PK	V	10.91	54.26	68.20	13.94

802.11n ht40 Mode:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Remark					
Low Channel: 5755 MHz							
11510.000	43.32	PK	H	4.86	48.18	74.00	25.82
11510.000	31.48	AV	H	4.86	36.34	54.00	17.66
11510.000	43.54	PK	V	4.86	48.40	74.00	25.60
11510.000	31.24	AV	V	4.86	36.10	54.00	17.90
17265.000	43.19	PK	H	9.40	52.59	68.20	15.61
17265.000	43.36	PK	V	9.40	52.76	68.20	15.44
High Channel: 5795 MHz							
11590.000	43.17	PK	H	5.38	48.55	74.00	25.45
11590.000	31.42	AV	H	5.38	36.80	54.00	17.20
11590.000	43.59	PK	V	5.38	48.97	74.00	25.03
11590.000	31.56	AV	V	5.38	36.94	54.00	17.06
17385.000	43.89	PK	H	10.41	54.30	68.20	13.90
17385.000	43.38	PK	V	10.41	53.79	68.20	14.41

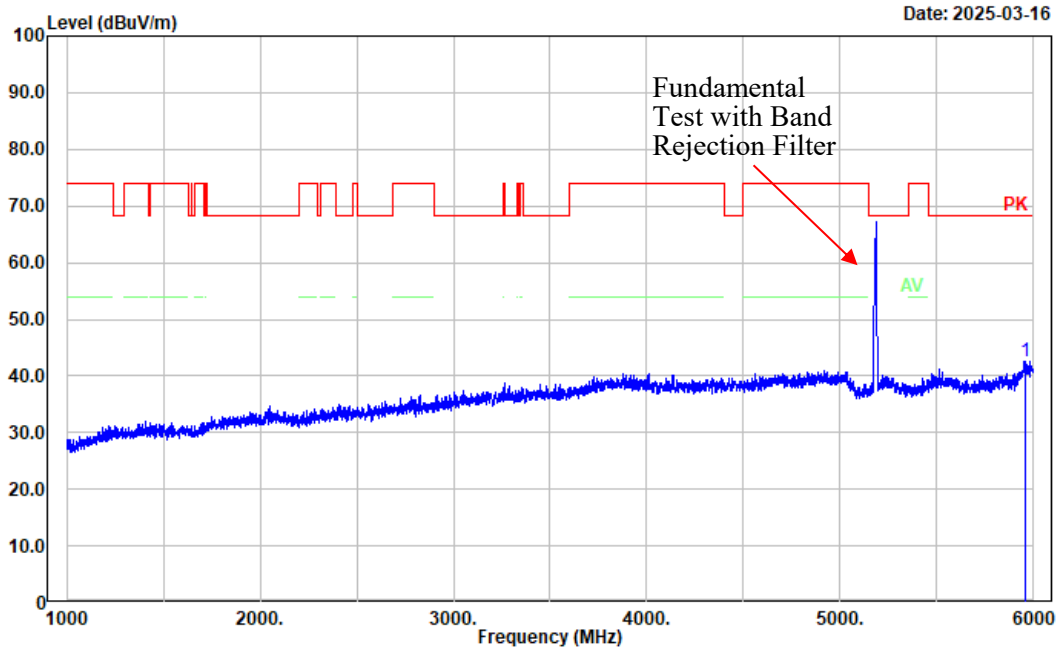
802.11ac80 Mode:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Remark					
Middle Channel: 5775 MHz							
11550.000	43.63	PK	H	5.12	48.75	74.00	25.25
11550.000	31.52	AV	H	5.12	36.64	54.00	17.36
11550.000	44.10	PK	V	5.12	49.22	74.00	24.78
11550.000	31.85	AV	V	5.12	36.97	54.00	17.03
17325.000	43.37	PK	H	9.86	53.23	68.20	14.97
17325.000	43.47	PK	V	9.86	53.33	68.20	14.87

Worst radiation spurious emissions margin test plots for each mode

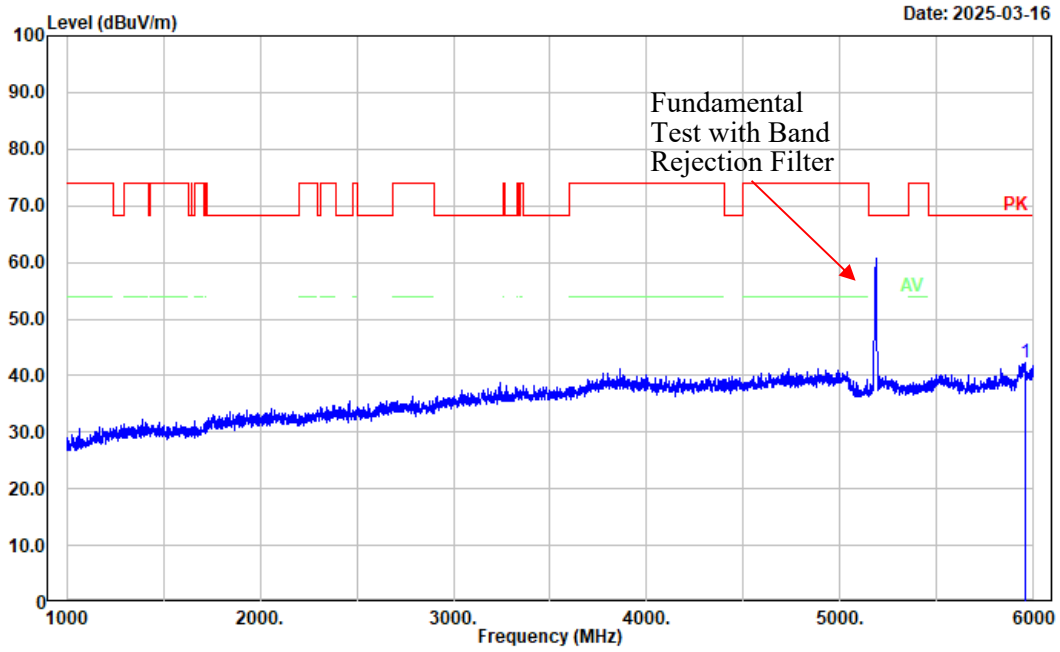
Note: for 18 – 40 GHz range, only report the worst case mode

```
Project No.: 2403A45479E-RF
     Tester: Tao Zhu
  Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: horizontal
       Note: a Low Channel 5180MHz Band 1
```



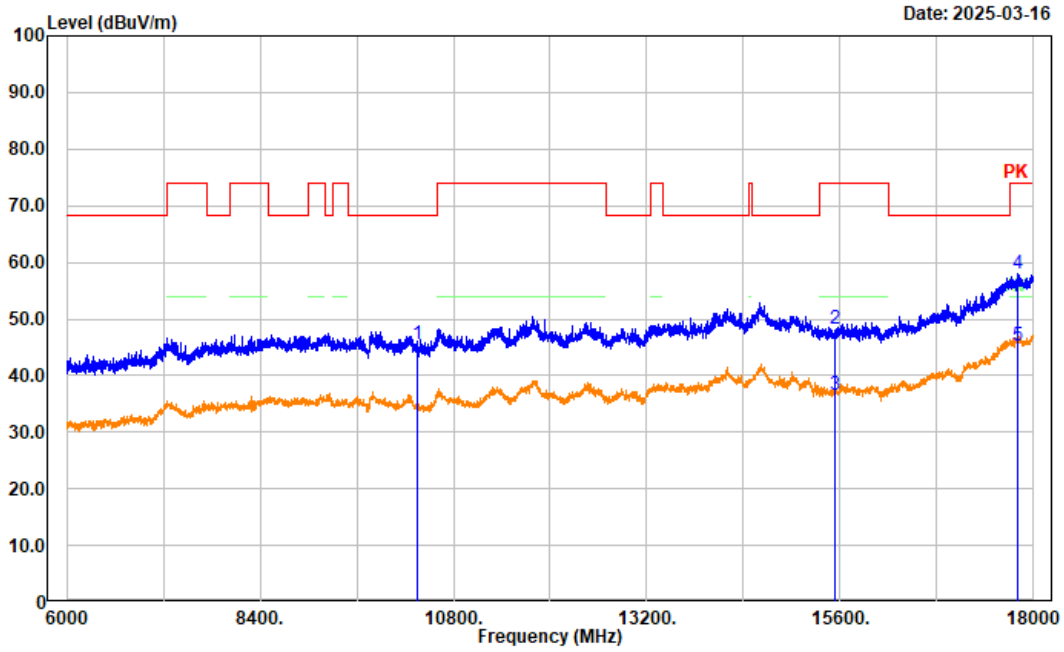
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	5958.000	46.42	-3.89	42.53	68.20	25.67	Peak

```
Project No.: 2403A45479E-RF
     Tester: Tao Zhu
  Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: vertical
       Note: a Low Channel 5180MHz Band 1
```



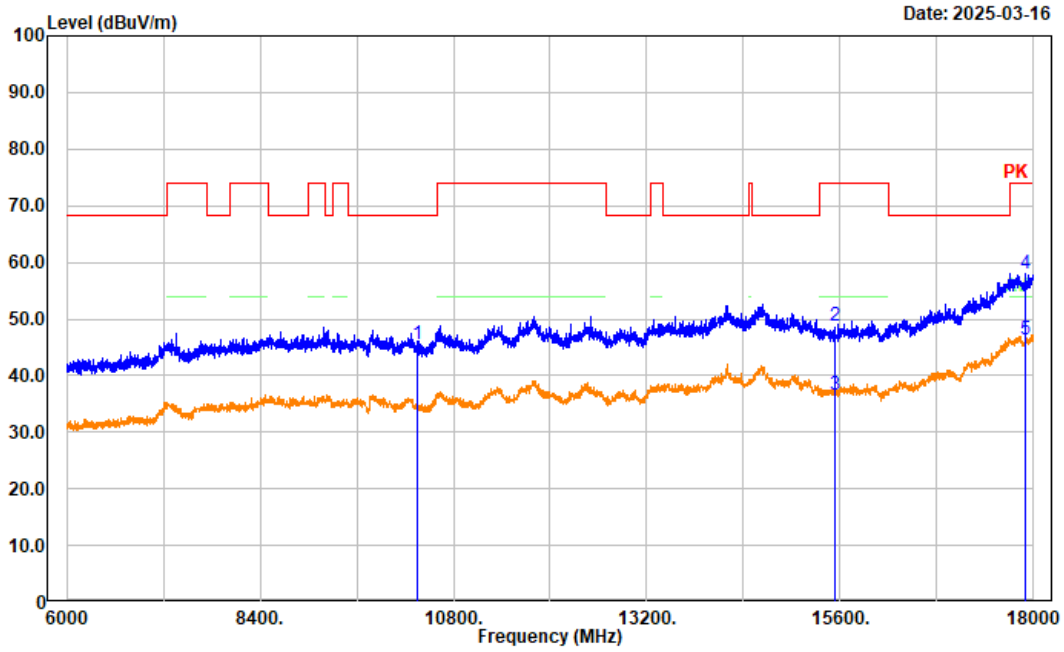
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	5954.000	46.03	-3.88	42.15	68.20	26.05	Peak

Project No.: 2403A45479E-RF
Tester: Tao Zhu
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: horizontal
Note: a Low Channel 5180MHz Band 1



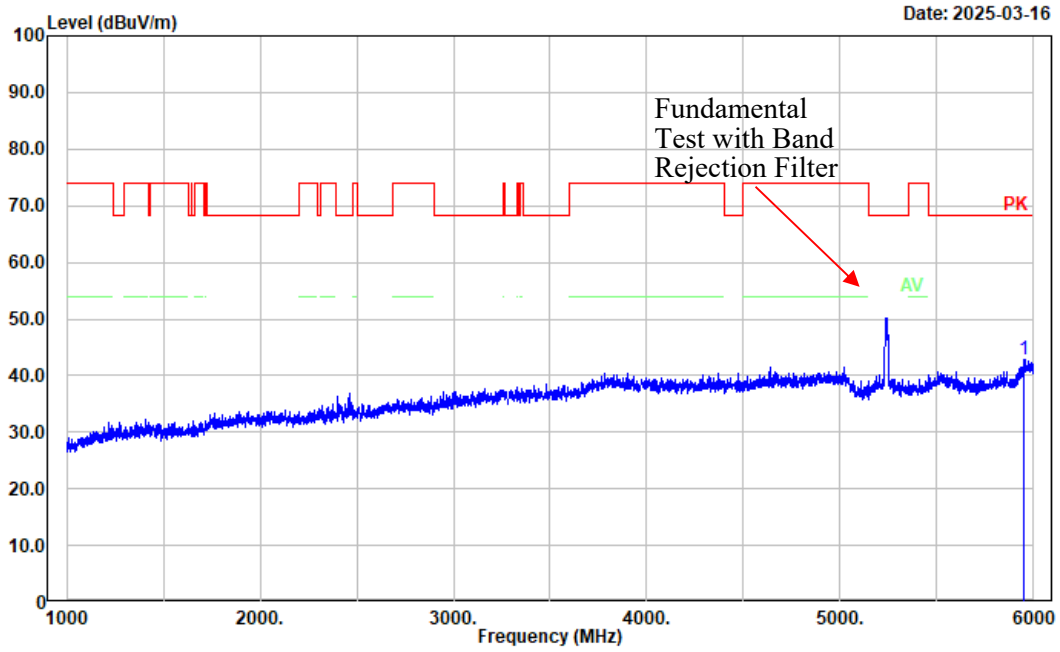
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	10360.000	43.52	2.01	45.53	68.20	22.67	Peak
2	15540.000	44.25	4.08	48.33	74.00	25.67	Peak
3	15540.000	32.52	4.08	36.60	54.00	17.40	Average
4	17803.200	44.39	13.55	57.94	74.00	16.06	Peak
5	17803.200	31.70	13.55	45.25	54.00	8.75	Average

Project No.: 2403A45479E-RF
Tester: Tao Zhu
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: vertical
Note: a Low Channel 5180MHz Band 1



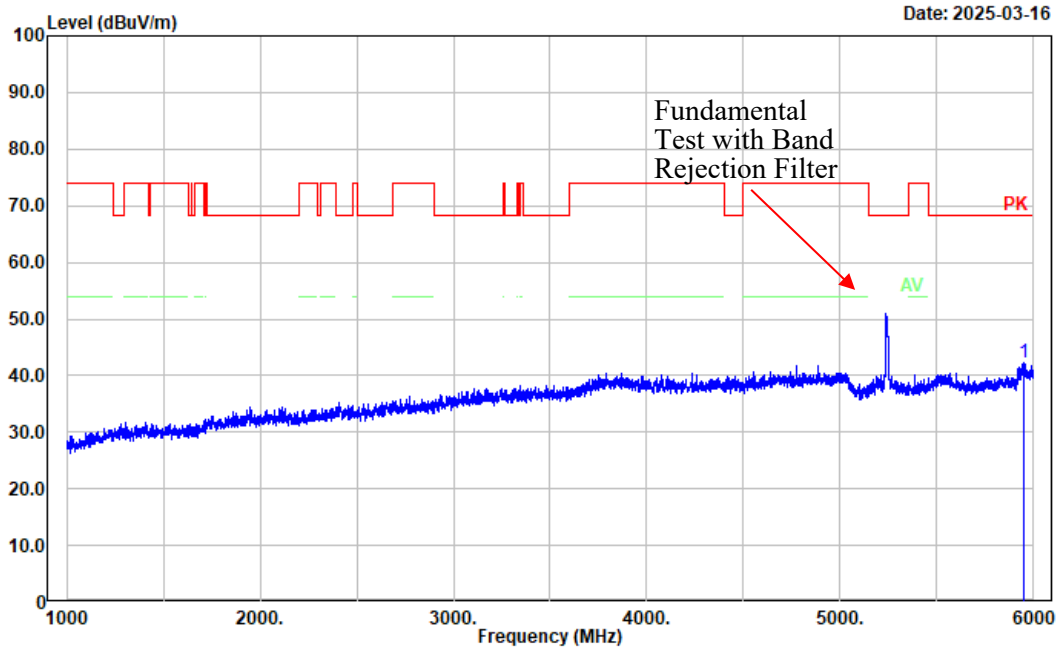
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	10360.800	43.39	2.01	45.40	68.20	22.80	Peak
2	15540.000	44.58	4.08	48.66	74.00	25.34	Peak
3	15540.000	32.44	4.08	36.52	54.00	17.48	Average
4	17906.400	44.47	13.55	58.02	74.00	15.98	Peak
5	17906.400	32.73	13.55	46.28	54.00	7.72	Average

```
Project No.: 2403A45479E-RF
     Tester: Tao Zhu
  Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: horizontal
       Note: n20 High Channel 5240MHz Band 1
```



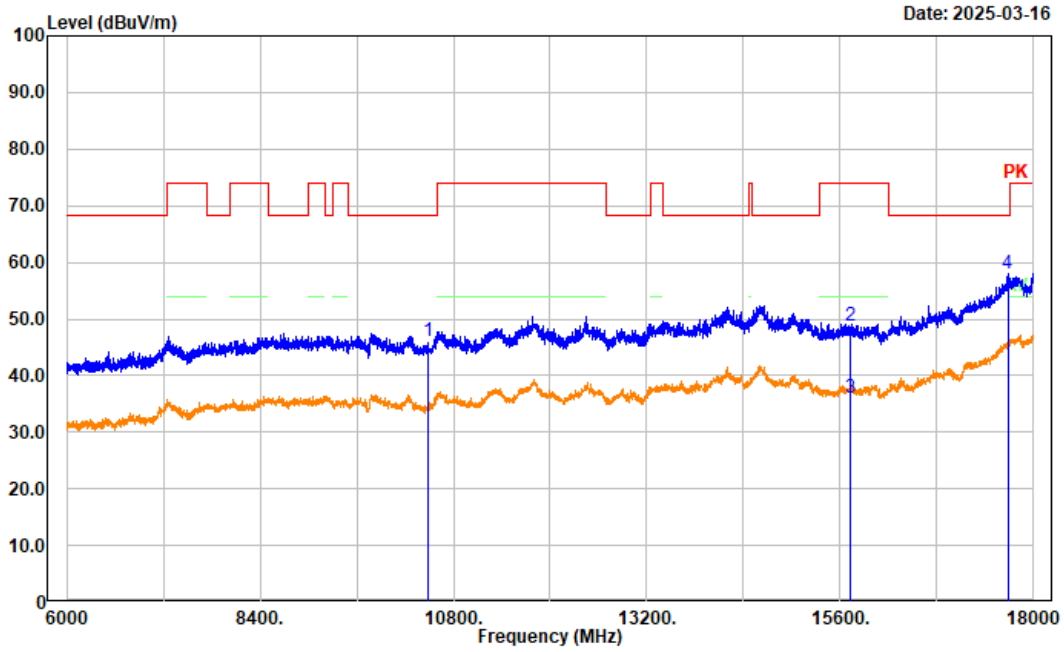
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	5952.000	46.82	-3.87	42.95	68.20	25.25	Peak

```
Project No.: 2403A45479E-RF
     Tester: Tao Zhu
  Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: vertical
       Note: n20 High Channel 5240MHz Band 1
```



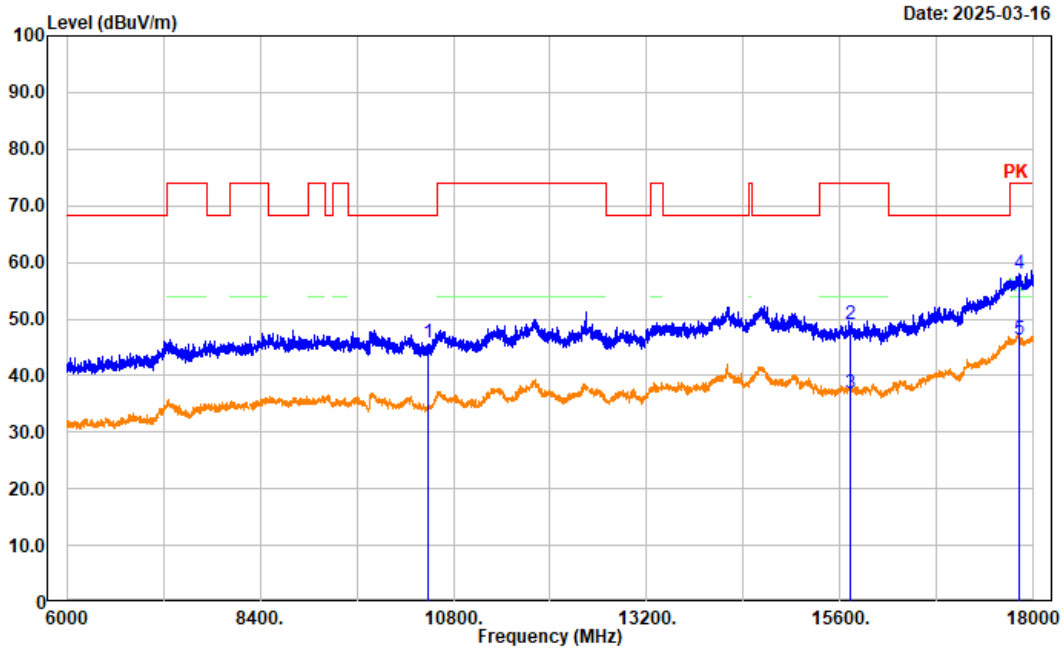
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	5948.000	46.16	-3.88	42.28	68.20	25.92	Peak

Project No.: 2403A45479E-RF
Tester: Tao Zhu
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: horizontal
Note: n20 High Channel 5240MHz Band 1



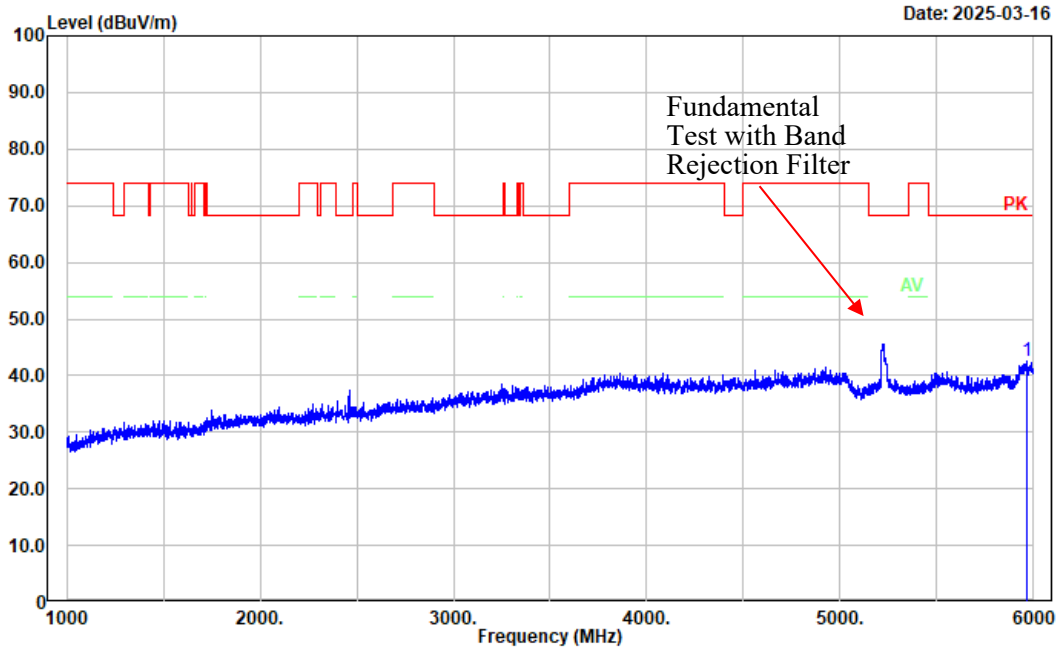
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	10480.000	43.52	2.58	46.10	68.20	22.10	Peak
2	15720.000	44.83	3.83	48.66	74.00	25.34	Peak
3	15720.000	32.21	3.83	36.04	54.00	17.96	Average
4	17678.400	45.13	12.87	58.00	68.20	10.20	Peak

Project No.: 2403A45479E-RF
Tester: Tao Zhu
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: vertical
Note: n20 High Channel 5240MHz Band 1



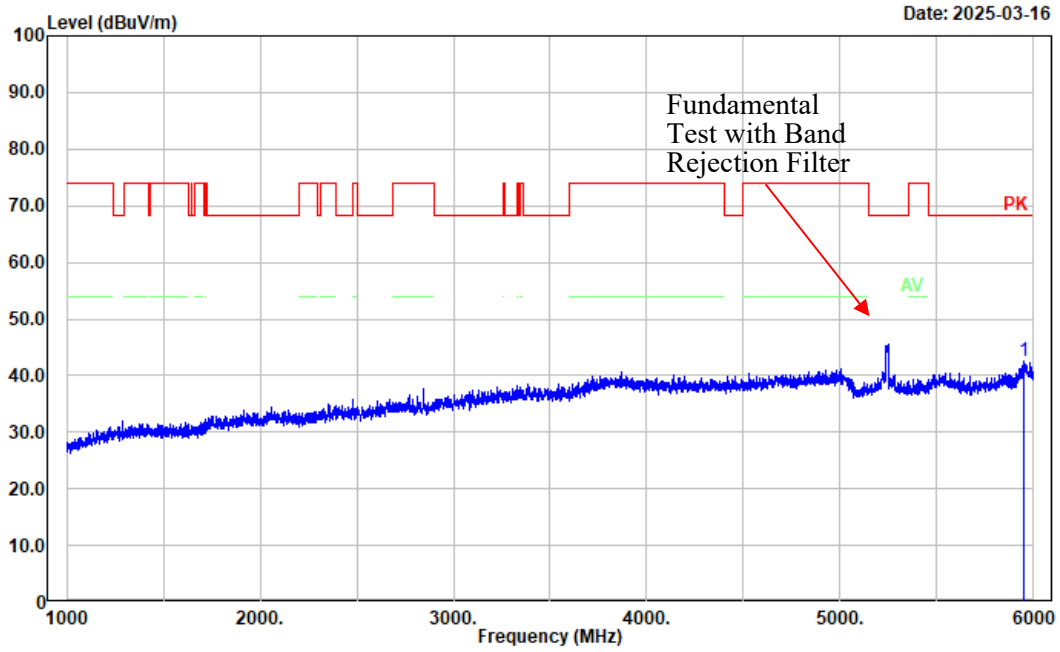
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	10480.000	43.33	2.58	45.91	68.20	22.29	Peak
2	15720.000	45.20	3.83	49.03	74.00	24.97	Peak
3	15720.000	33.10	3.83	36.93	54.00	17.07	Average
4	17812.800	44.54	13.55	58.09	74.00	15.91	Peak
5	17812.800	32.92	13.55	46.47	54.00	7.53	Average

```
Project No.: 2403A45479E-RF
     Tester: Tao Zhu
  Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: horizontal
       Note: n40 High Channel 5230MHz Band 1
```



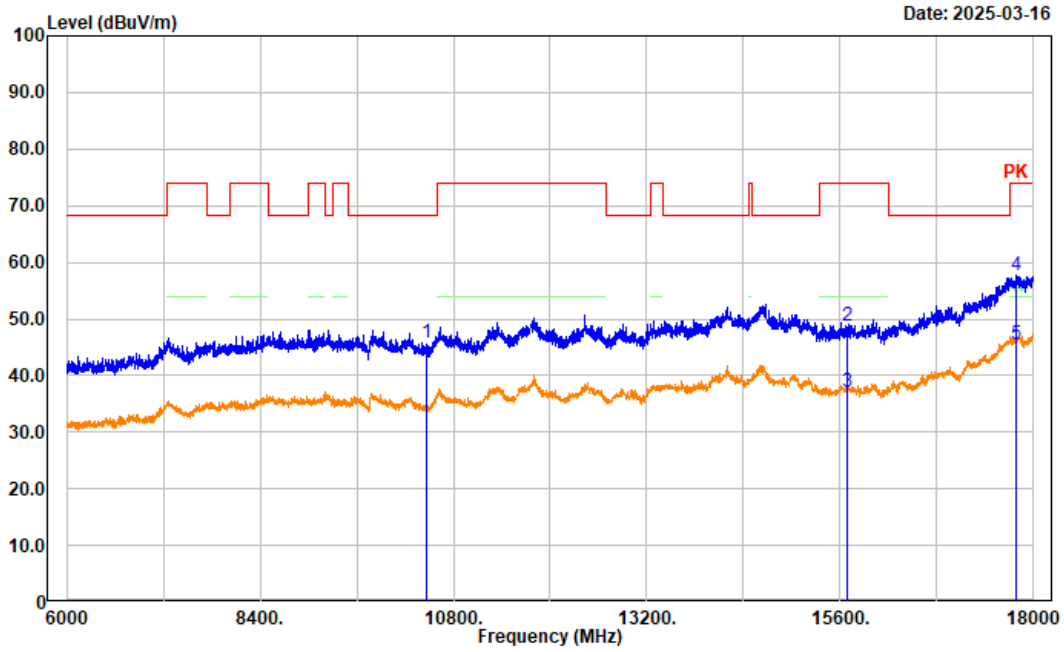
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	5962.000	46.37	-3.93	42.44	68.20	25.76	Peak

```
Project No.: 2403A45479E-RF
     Tester: Tao Zhu
  Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: vertical
       Note: n40 High Channel 5230MHz Band 1
```



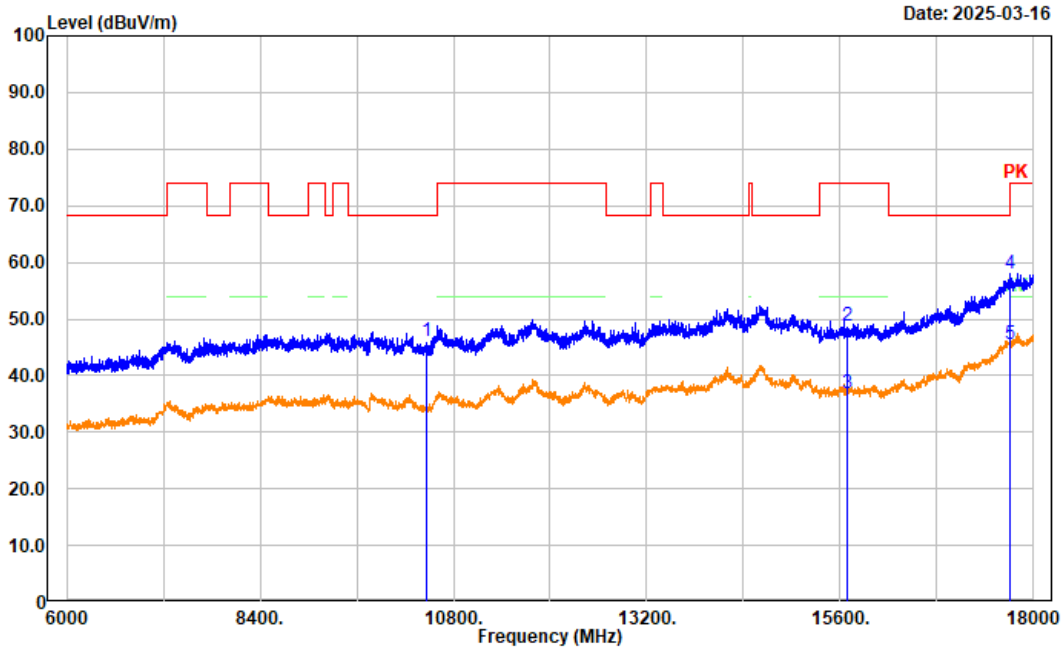
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	5953.000	46.36	-3.86	42.50	68.20	25.70	Peak

Project No.: 2403A45479E-RF
Tester: Tao Zhu
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: horizontal
Note: n40 High Channel 5230MHz Band 1



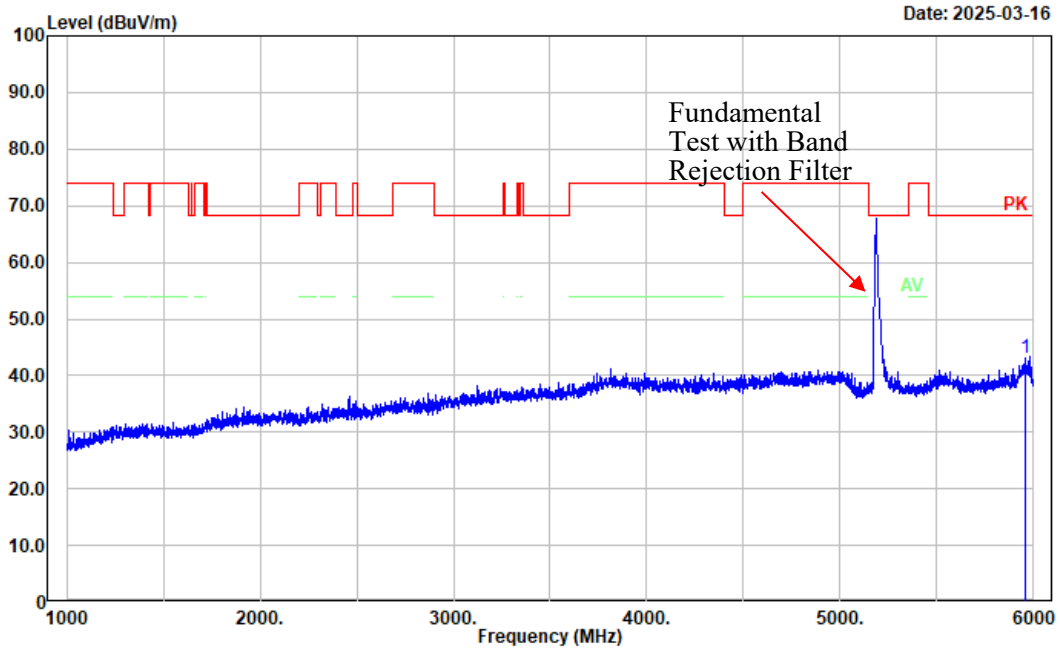
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	10460.000	43.26	2.46	45.72	68.20	22.48	Peak
2	15690.000	45.00	3.80	48.80	74.00	25.20	Peak
3	15690.000	33.25	3.80	37.05	54.00	16.95	Average
4	17784.000	44.18	13.47	57.65	74.00	16.35	Peak
5	17784.000	32.17	13.47	45.64	54.00	8.36	Average

Project No.: 2403A45479E-RF
Tester: Tao Zhu
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: vertical
Note: n40 High Channel 5230MHz Band 1



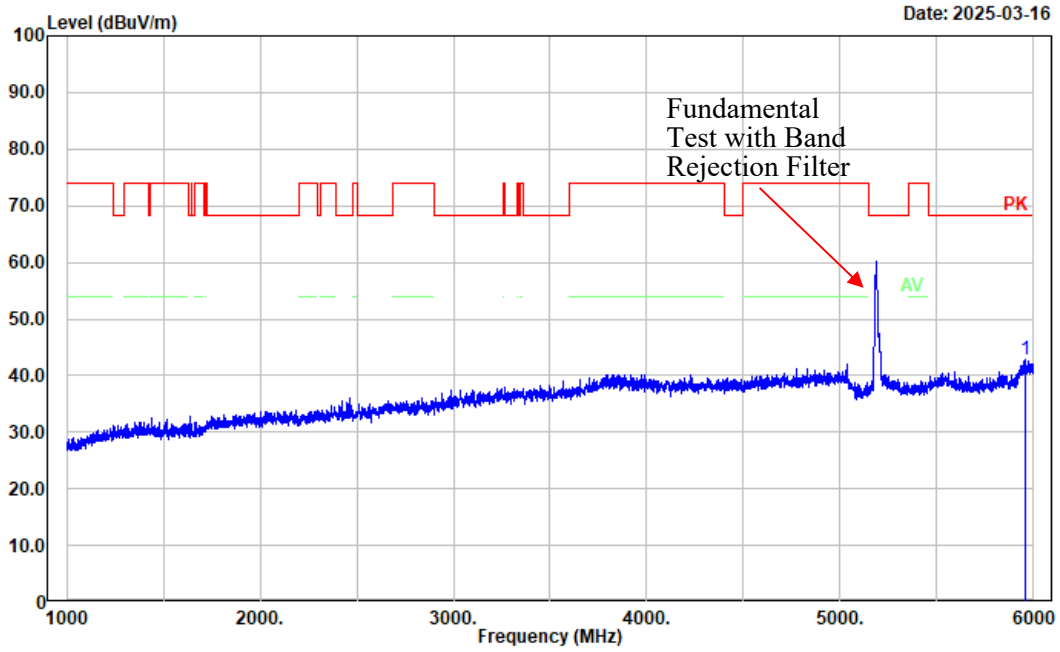
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	10460.000	43.48	2.46	45.94	68.20	22.26	Peak
2	15690.000	45.11	3.80	48.91	74.00	25.09	Peak
3	15690.000	33.12	3.80	36.92	54.00	17.08	Average
4	17702.400	44.92	13.08	58.00	74.00	16.00	Peak
5	17702.400	32.57	13.08	45.65	54.00	8.35	Average

```
Project No.: 2403A45479E-RF
     Tester: Tao Zhu
  Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: horizontal
       Note: ac80 Middle Channel 5210MHz Band 1
```



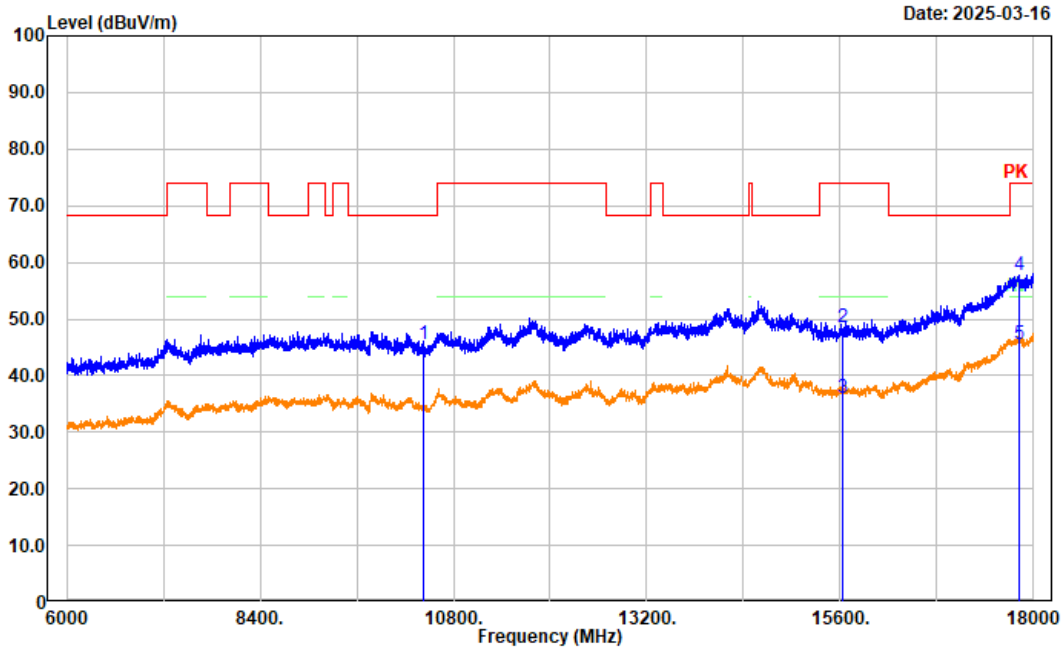
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	5959.000	47.02	-3.91	43.11	68.20	25.09	Peak

```
Project No.: 2403A45479E-RF
     Tester: Tao Zhu
  Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: vertical
       Note: ac80 Middle Channel 5210MHz Band 1
```



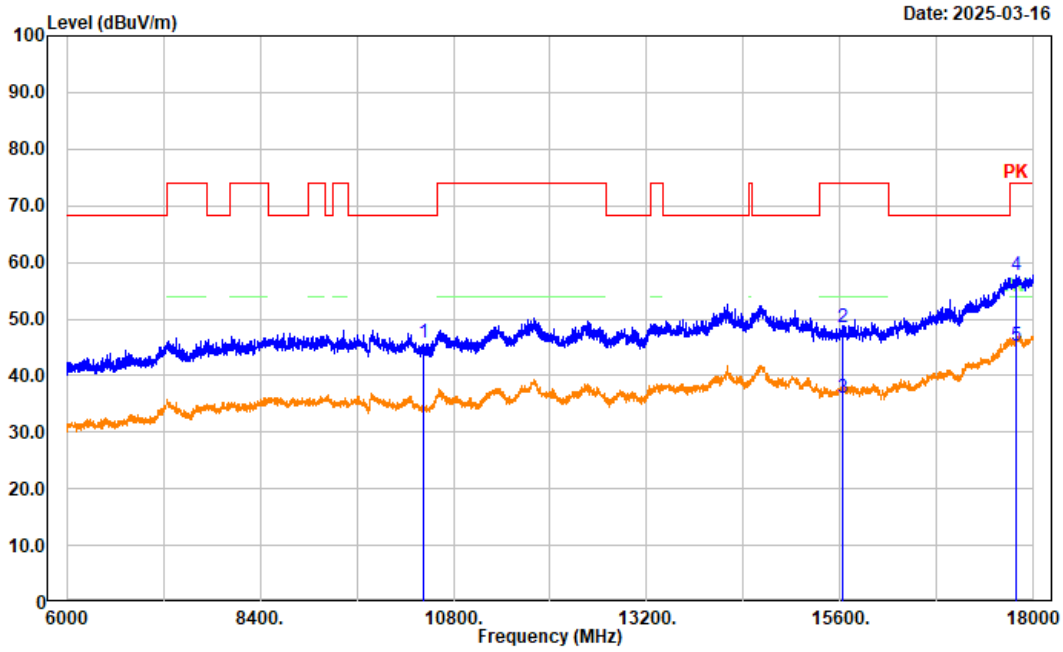
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	5955.000	46.62	-3.88	42.74	68.20	25.46	Peak

```
Project No.: 2403A45479E-RF
     Tester: Tao Zhu
  Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: horizontal
       Note: ac80 Middle Channel 5210MHz Band 1
```



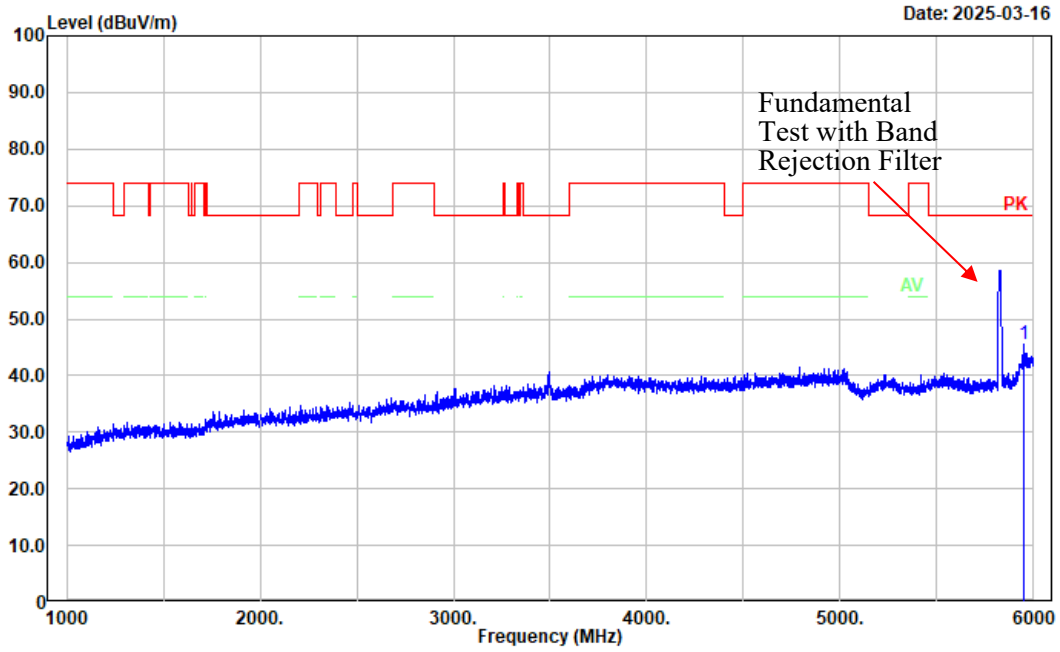
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	10420.000	43.25	2.20	45.45	68.20	22.75	Peak
2	15630.000	44.58	3.88	48.46	74.00	25.54	Peak
3	15630.000	32.14	3.88	36.02	54.00	17.98	Average
4	17820.000	44.21	13.54	57.75	74.00	16.25	Peak
5	17820.000	32.04	13.54	45.58	54.00	8.42	Average

```
Project No.: 2403A45479E-RF
     Tester: Tao Zhu
  Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: vertical
       Note: ac80 Middle Channel 5210MHz Band 1
```



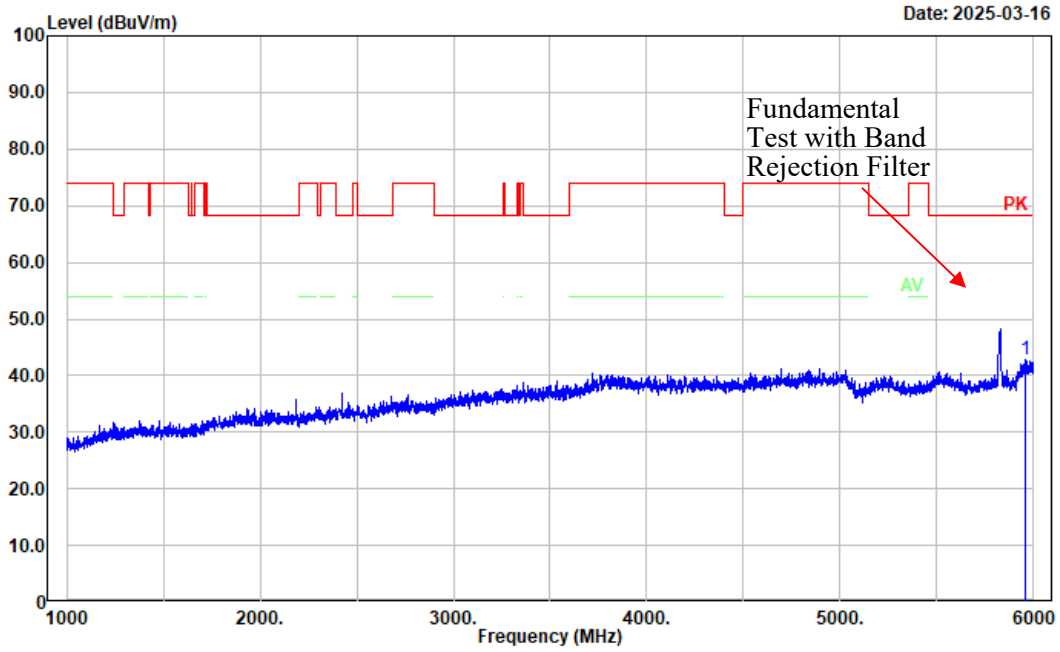
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	10420.000	43.59	2.20	45.79	68.20	22.41	Peak
2	15630.000	44.59	3.88	48.47	74.00	25.53	Peak
3	15630.000	32.26	3.88	36.14	54.00	17.86	Average
4	17781.600	44.16	13.46	57.62	74.00	16.38	Peak
5	17781.600	31.87	13.46	45.33	54.00	8.67	Average

```
Project No.: 2403A45479E-RF
     Tester: Tao Zhu
  Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: horizontal
       Note: a High Channel 5825MHz Band 4
```



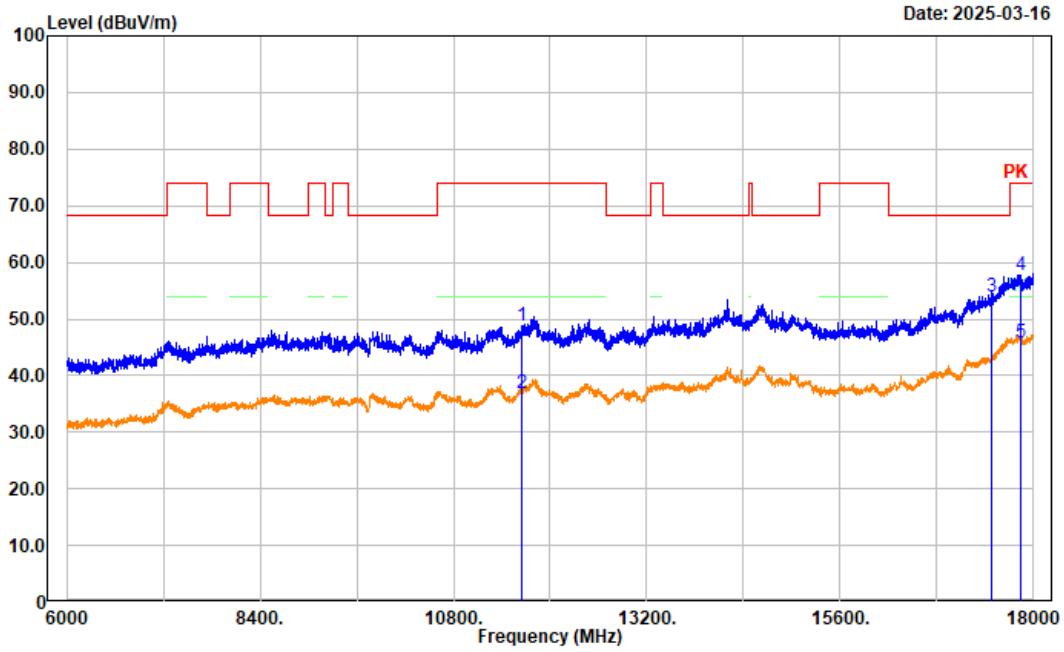
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	5953.000	49.37	-3.86	45.51	68.20	22.69	Peak

```
Project No.: 2403A45479E-RF
     Tester: Tao Zhu
  Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: vertical
       Note: a High Channel 5825MHz Band 4
```



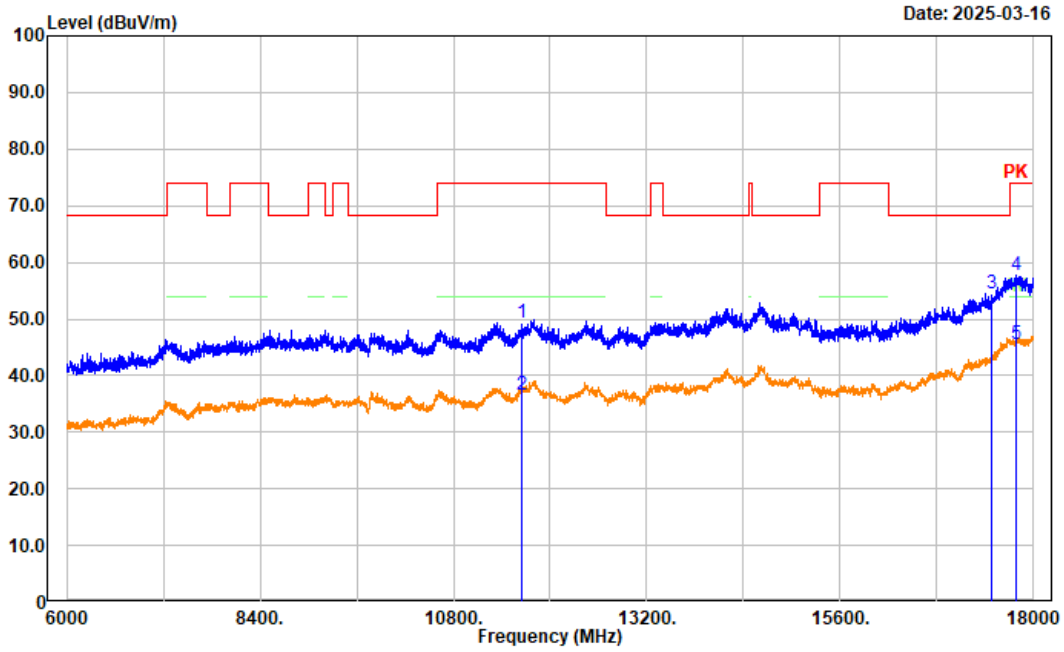
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	5956.000	46.83	-3.89	42.94	68.20	25.26	Peak

Project No.: 2403A45479E-RF
Tester: Tao Zhu
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: horizontal
Note: a High Channel 5825MHz Band 4



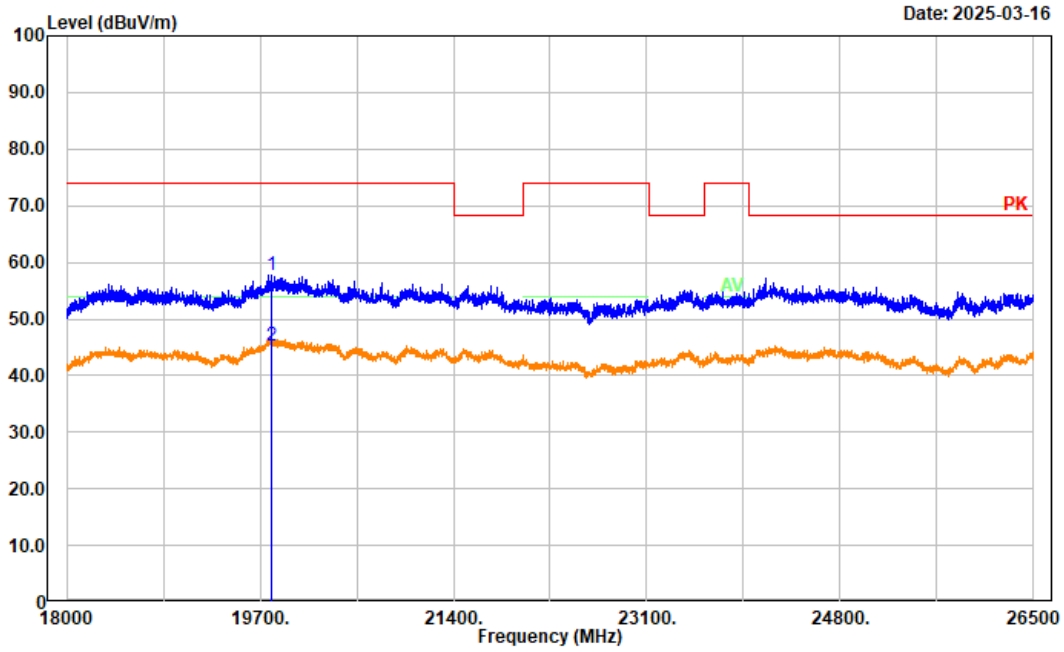
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	11650.000	43.33	5.55	48.88	74.00	25.12	Peak
2	11650.000	31.24	5.55	36.79	54.00	17.21	Average
3	17475.000	43.11	10.91	54.02	68.20	14.18	Peak
4	17836.800	44.32	13.53	57.85	74.00	16.15	Peak
5	17836.800	32.34	13.53	45.87	54.00	8.13	Average

Project No.: 2403A45479E-RF
Tester: Tao Zhu
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: vertical
Note: a High Channel 5825MHz Band 4



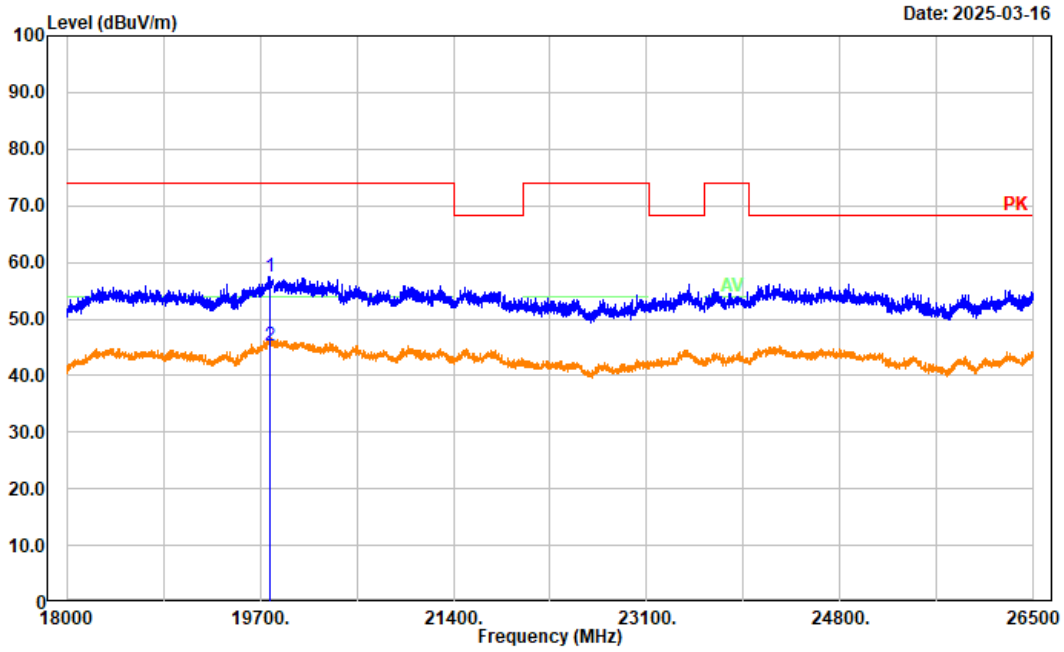
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	11650.000	43.77	5.55	49.32	74.00	24.68	Peak
2	11650.000	31.16	5.55	36.71	54.00	17.29	Average
3	17475.000	43.68	10.91	54.59	68.20	13.61	Peak
4	17779.200	44.20	13.45	57.65	74.00	16.35	Peak
5	17779.200	32.12	13.45	45.57	54.00	8.43	Average

Project No.: 2403A45479E-RF
Tester: Tao Zhu
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: Horizontal
Note: a High Channel 5825MHz Band 4



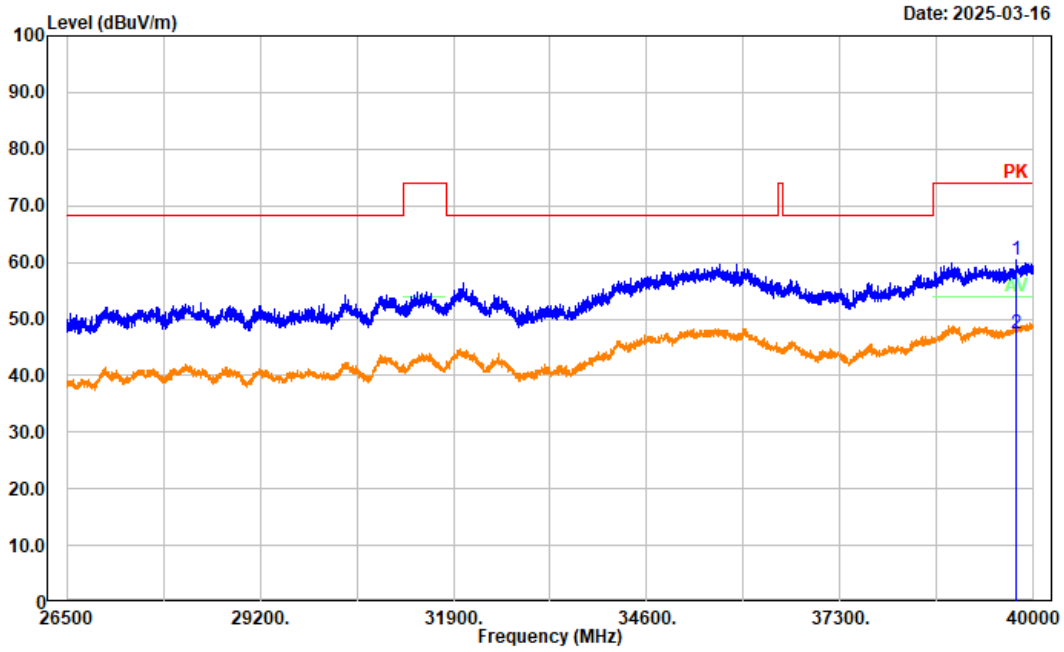
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	19805.400	49.75	7.94	57.69	74.00	16.31	Peak
2	19805.400	37.27	7.94	45.21	54.00	8.79	Average

```
Project No.: 2403A45479E-RF
     Tester: Tao Zhu
  Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: vertical
       Note: a High Channel 5825MHz Band 4
```



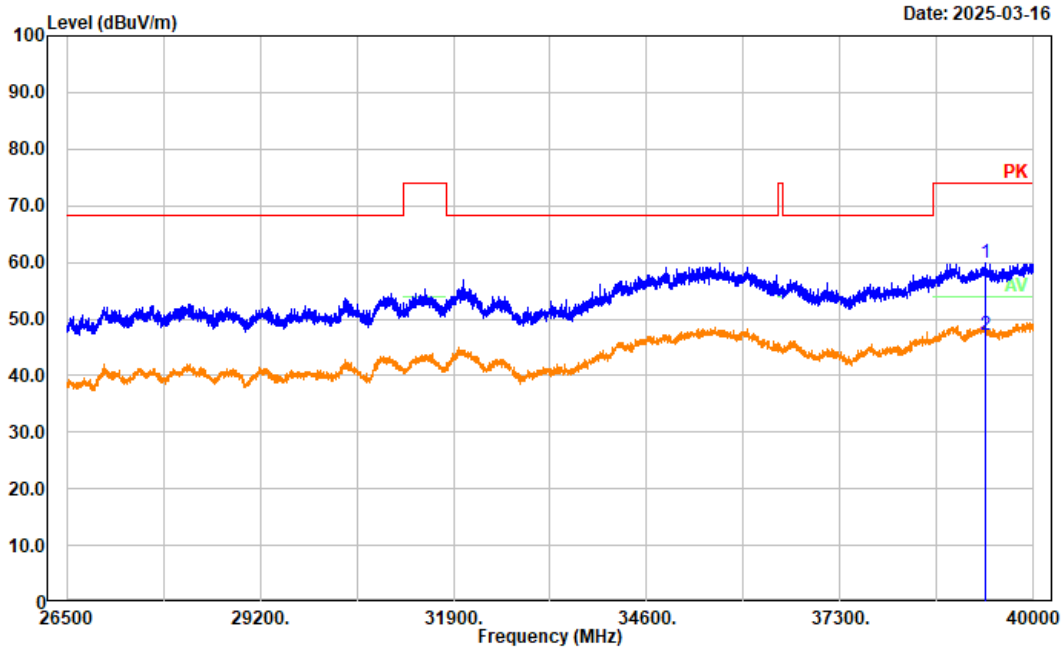
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	19790.100	49.65	7.86	57.51	74.00	16.49	Peak
2	19790.100	37.50	7.86	45.36	54.00	8.64	Average

```
Project No.: 2403A45479E-RF
     Tester: Tao Zhu
  Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: Horizontal
       Note: a High Channel 5825MHz Band 4
```



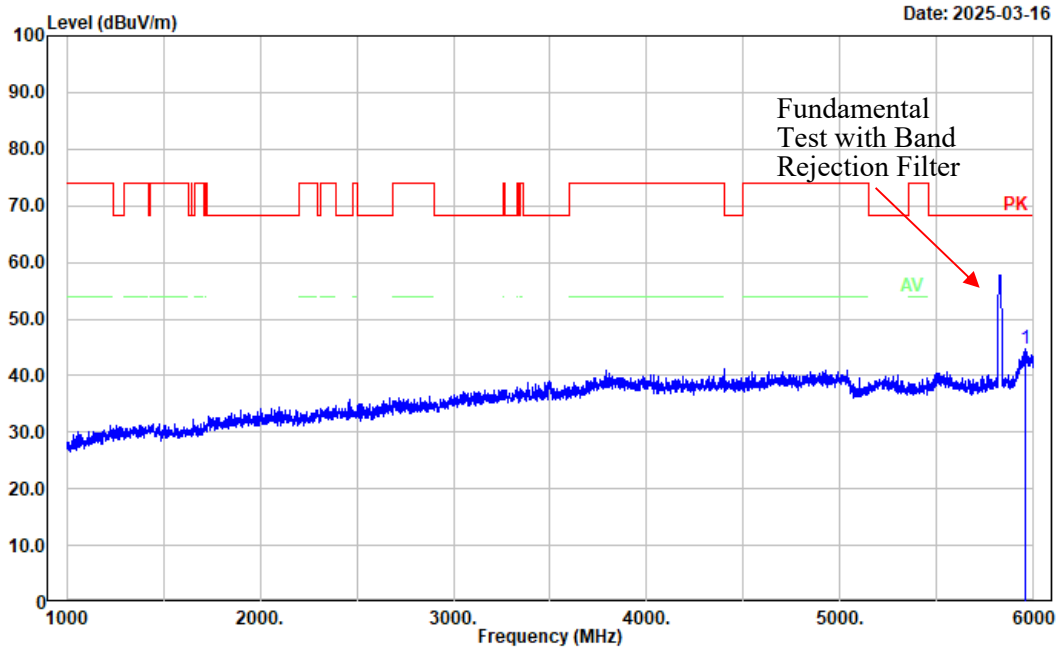
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	39757.000	52.90	7.42	60.32	74.00	13.68	Peak
2	39757.000	40.10	7.42	47.52	54.00	6.48	Average

Project No.: 2403A45479E-RF
Tester: Tao Zhu
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: vertical
Note: a High Channel 5825MHz Band 4



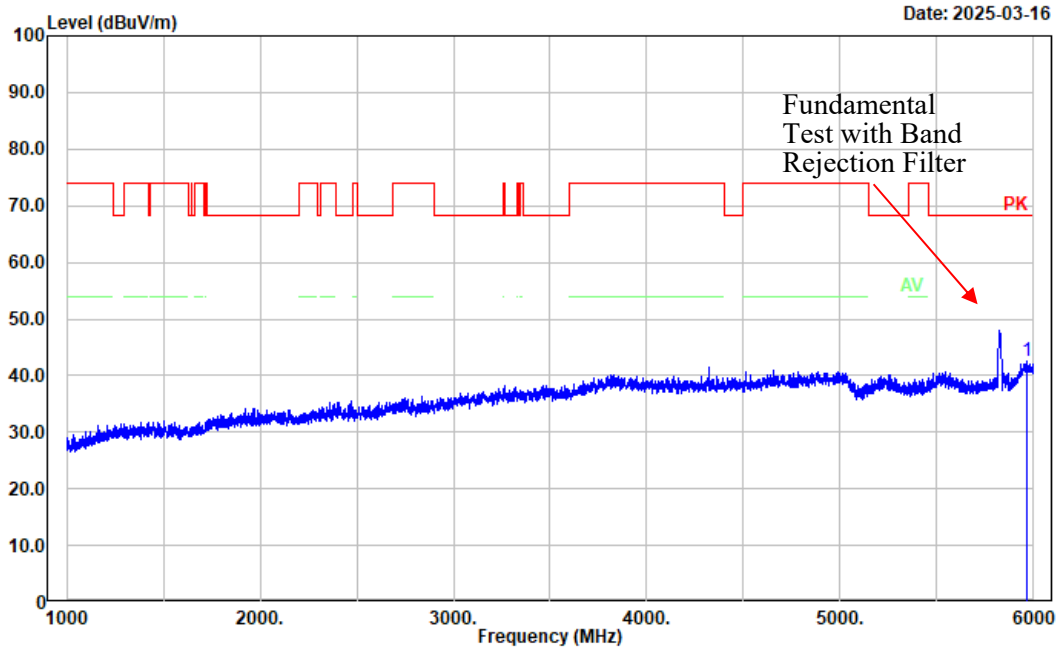
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	39330.400	51.96	7.88	59.84	74.00	14.16	Peak
2	39330.400	39.36	7.88	47.24	54.00	6.76	Average

```
Project No.: 2403A45479E-RF
     Tester: Tao Zhu
  Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: horizontal
       Note: n20 High Channel 5825MHz Band 4
```



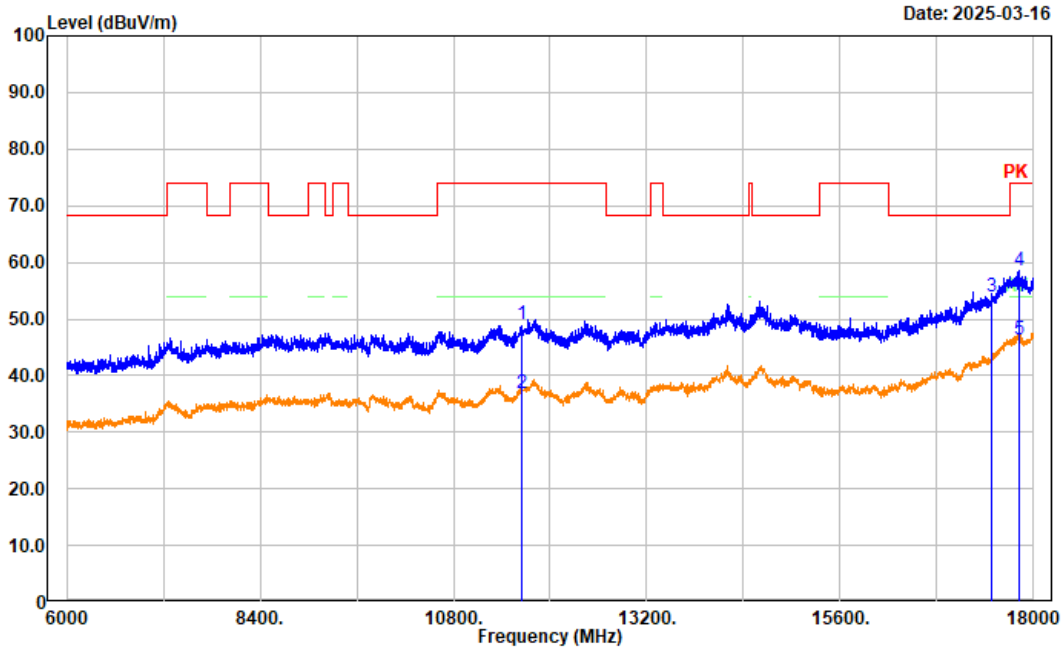
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	5958.000	48.64	-3.89	44.75	68.20	23.45	Peak

```
Project No.: 2403A45479E-RF
     Tester: Tao Zhu
  Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: vertical
       Note: n20 High Channel 5825MHz Band 4
```



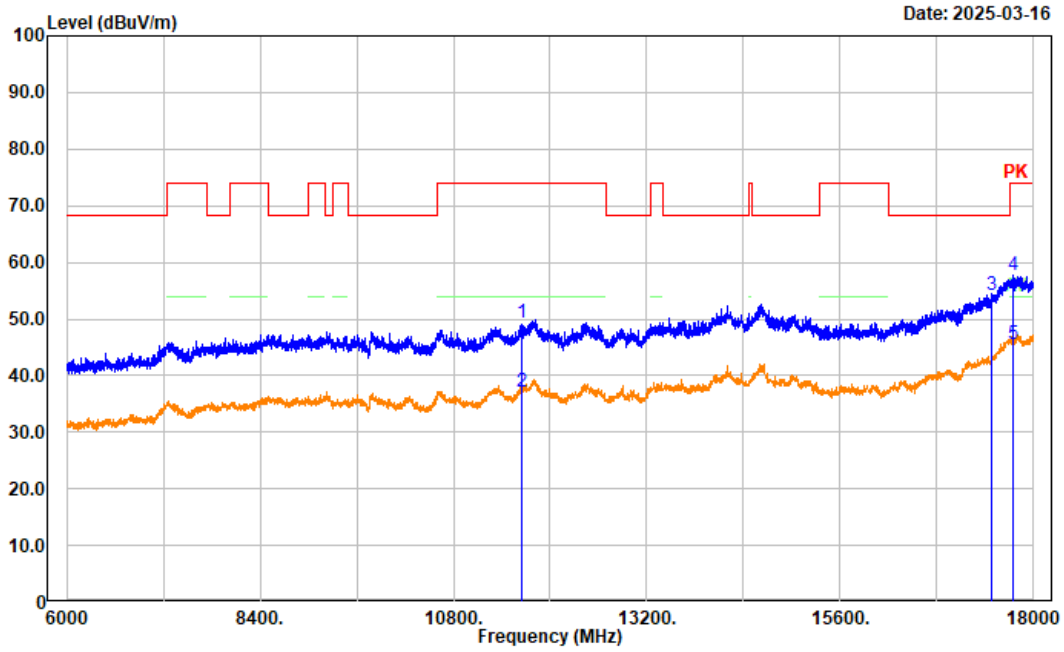
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	5967.000	46.49	-3.96	42.53	68.20	25.67	Peak

```
Project No.: 2403A45479E-RF
     Tester: Tao Zhu
  Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: horizontal
       Note: n20 High Channel 5825MHz Band 4
```



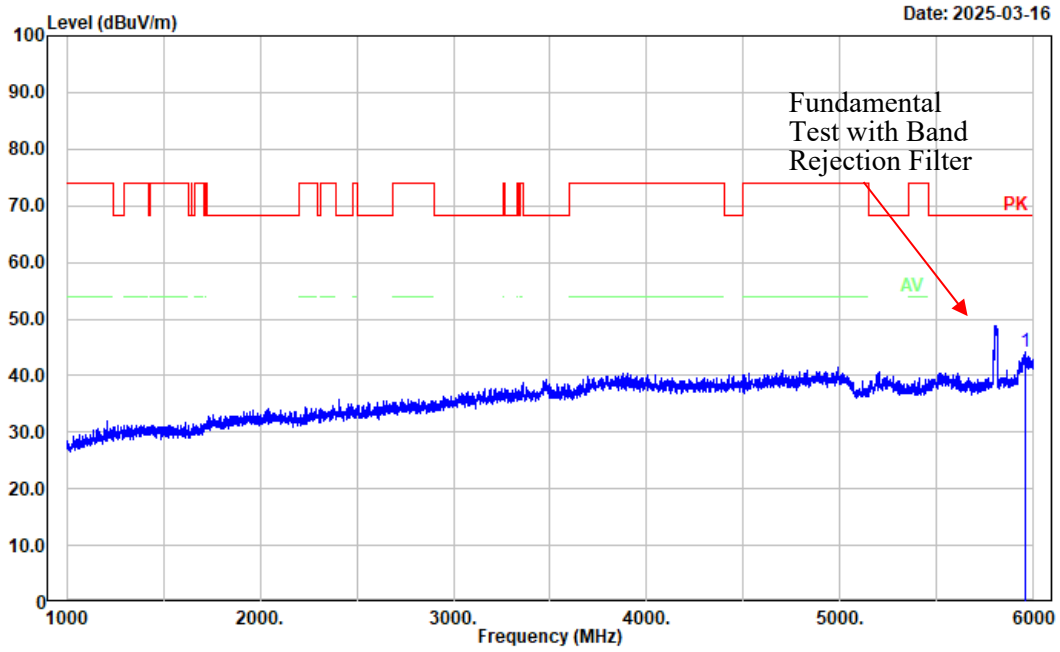
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	11650.000	43.47	5.55	49.02	74.00	24.98	Peak
2	11650.000	31.28	5.55	36.83	54.00	17.17	Average
3	17475.000	43.11	10.91	54.02	68.20	14.18	Peak
4	17815.200	45.10	13.54	58.64	74.00	15.36	Peak
5	17815.200	32.67	13.54	46.21	54.00	7.79	Average

Project No.: 2403A45479E-RF
Tester: Tao Zhu
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: vertical
Note: n20 High Channel 5825MHz Band 4



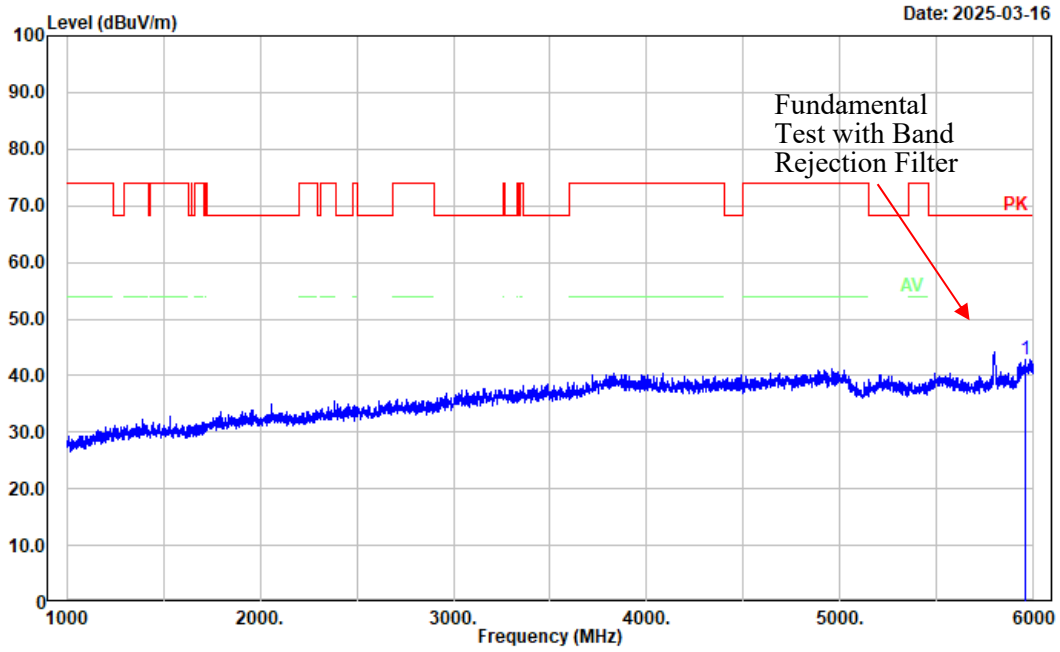
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	11650.000	43.65	5.55	49.20	74.00	24.80	Peak
2	11650.000	31.46	5.55	37.01	54.00	16.99	Average
3	17475.000	43.35	10.91	54.26	68.20	13.94	Peak
4	17740.800	44.36	13.26	57.62	74.00	16.38	Peak
5	17740.800	32.26	13.26	45.52	54.00	8.48	Average

```
Project No.: 2403A45479E-RF
     Tester: Tao Zhu
  Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: horizontal
       Note: n40 High Channel 5795MHz Band 4
```



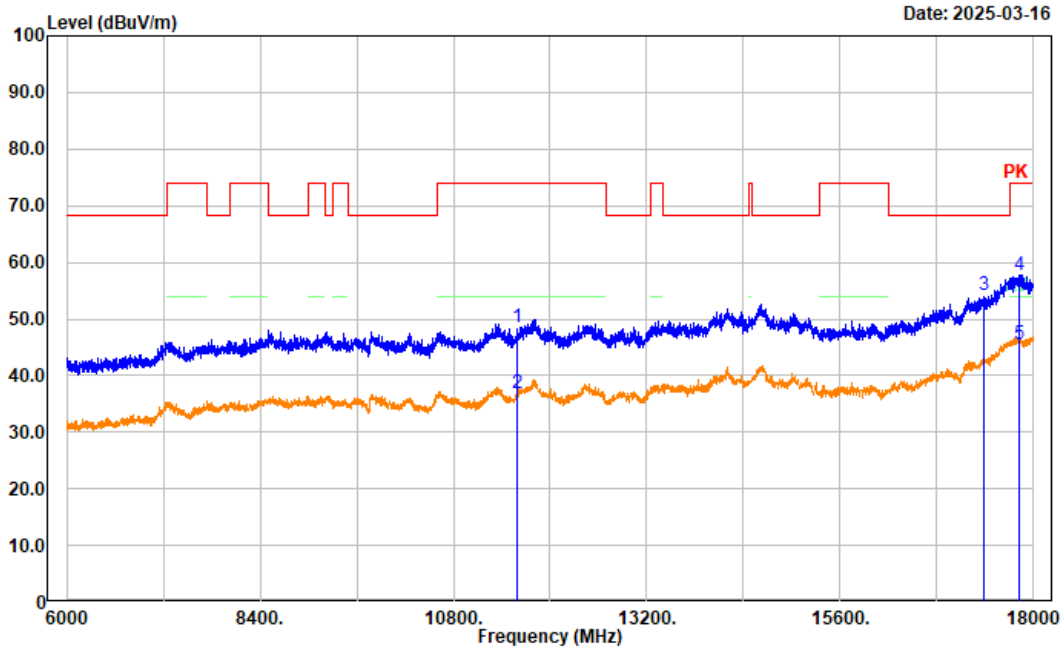
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	5955.000	47.92	-3.88	44.04	68.20	24.16	Peak

```
Project No.: 2403A45479E-RF
     Tester: Tao Zhu
  Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: vertical
       Note: n40 High Channel 5795MHz Band 4
```



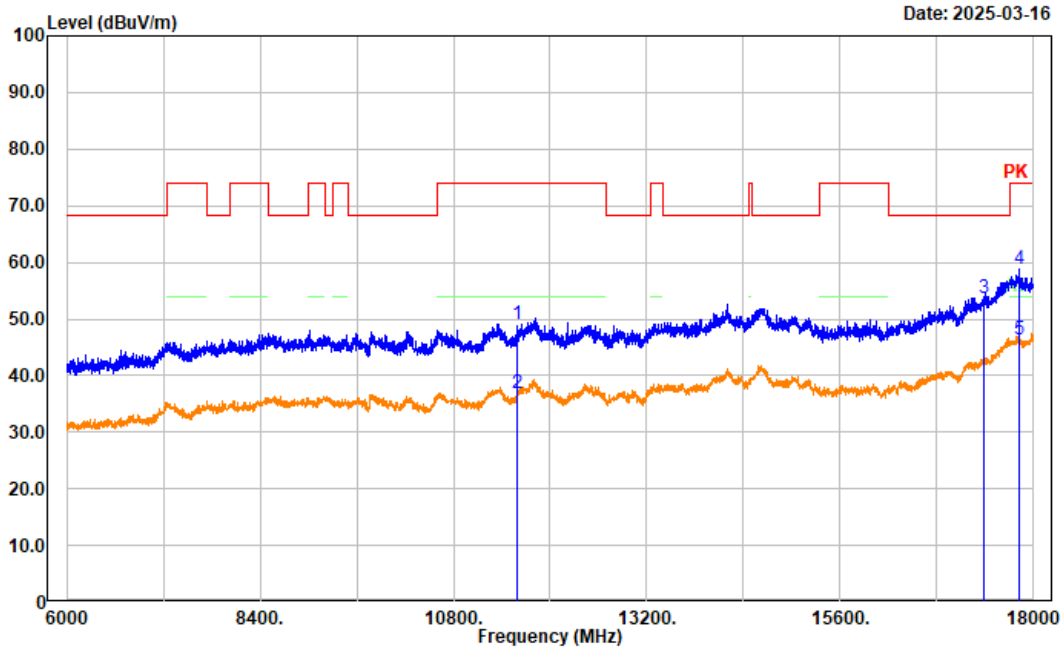
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	5958.000	46.83	-3.89	42.94	68.20	25.26	Peak

Project No.: 2403A45479E-RF
Tester: Tao Zhu
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: horizontal
Note: n40 High Channel 5795MHz Band 4



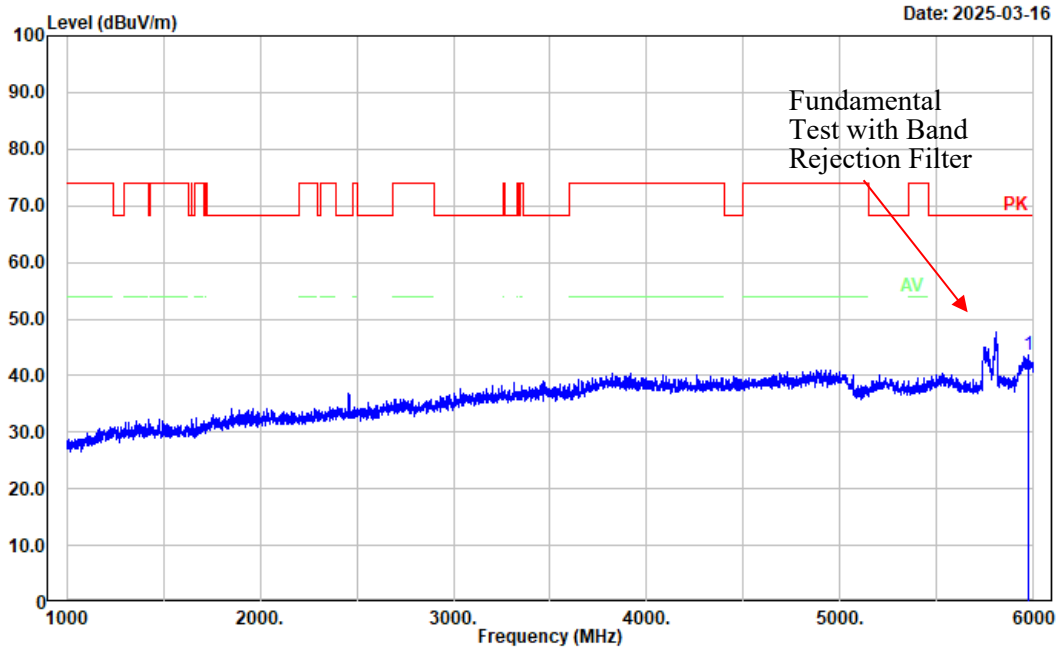
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	11590.000	43.17	5.38	48.55	74.00	25.45	Peak
2	11590.000	31.42	5.38	36.80	54.00	17.20	Average
3	17385.000	43.89	10.41	54.30	68.20	13.90	Peak
4	17812.800	44.20	13.55	57.75	74.00	16.25	Peak
5	17812.800	32.02	13.55	45.57	54.00	8.43	Average

```
Project No.: 2403A45479E-RF
     Tester: Tao Zhu
  Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: vertical
       Note: n40 High Channel 5795MHz Band 4
```



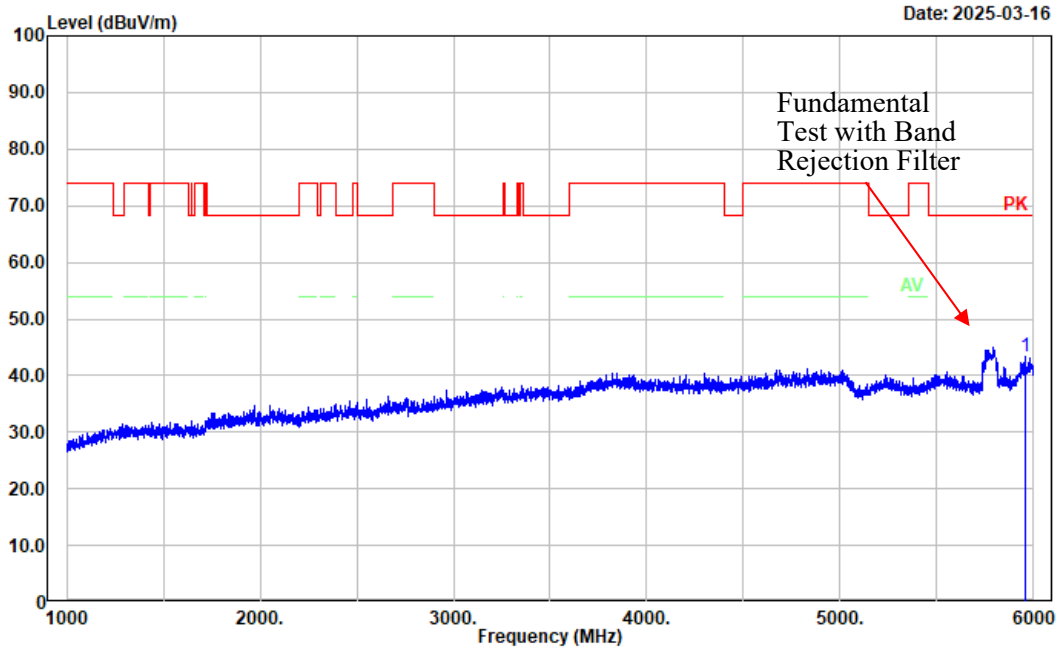
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	11590.000	43.59	5.38	48.97	74.00	25.03	Peak
2	11590.000	31.56	5.38	36.94	54.00	17.06	Average
3	17385.000	43.38	10.41	53.79	68.20	14.41	Peak
4	17815.200	45.25	13.54	58.79	74.00	15.21	Peak
5	17815.200	32.81	13.54	46.35	54.00	7.65	Average

```
Project No.: 2403A45479E-RF
     Tester: Tao Zhu
  Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: horizontal
       Note: ac80 Middle Channel 5775MHz Band 4
```



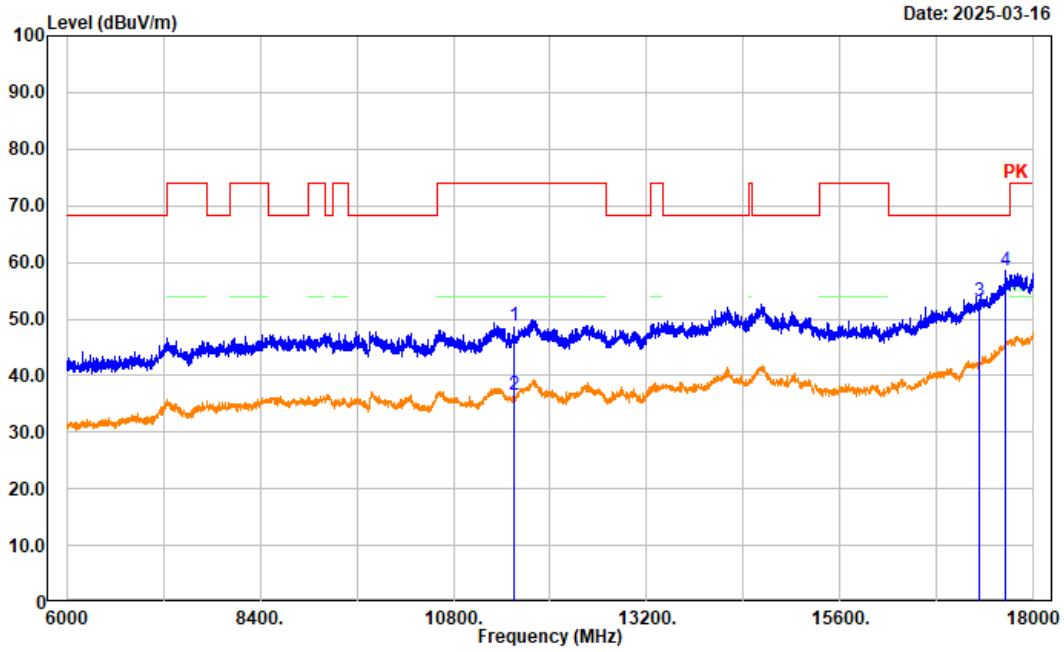
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	5975.000	47.75	-4.01	43.74	68.20	24.46	Peak

```
Project No.: 2403A45479E-RF
     Tester: Tao Zhu
  Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: vertical
       Note: ac80 Middle Channel 5775MHz Band 4
```



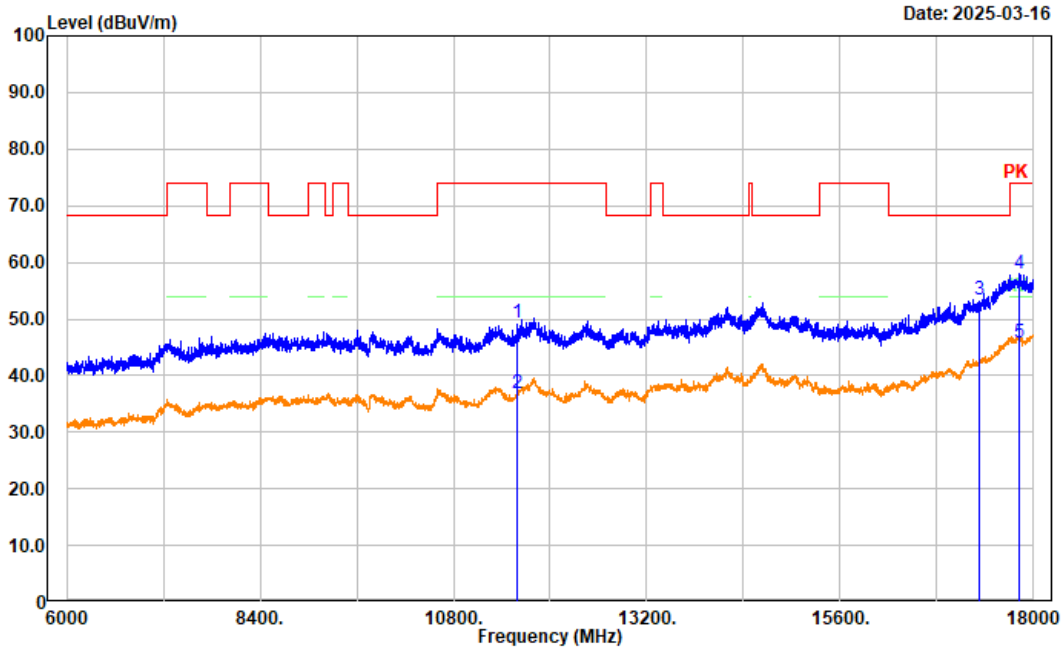
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	5960.000	47.28	-3.91	43.37	68.20	24.83	Peak

Project No.: 2403A45479E-RF
Tester: Tao Zhu
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: horizontal
Note: ac80 Middle Channel 5775MHz Band 4



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	11550.000	43.63	5.12	48.75	74.00	25.25	Peak
2	11550.000	31.52	5.12	36.64	54.00	17.36	Average
3	17325.000	43.37	9.86	53.23	68.20	14.97	Peak
4	17652.000	45.88	12.61	58.49	68.20	9.71	Peak

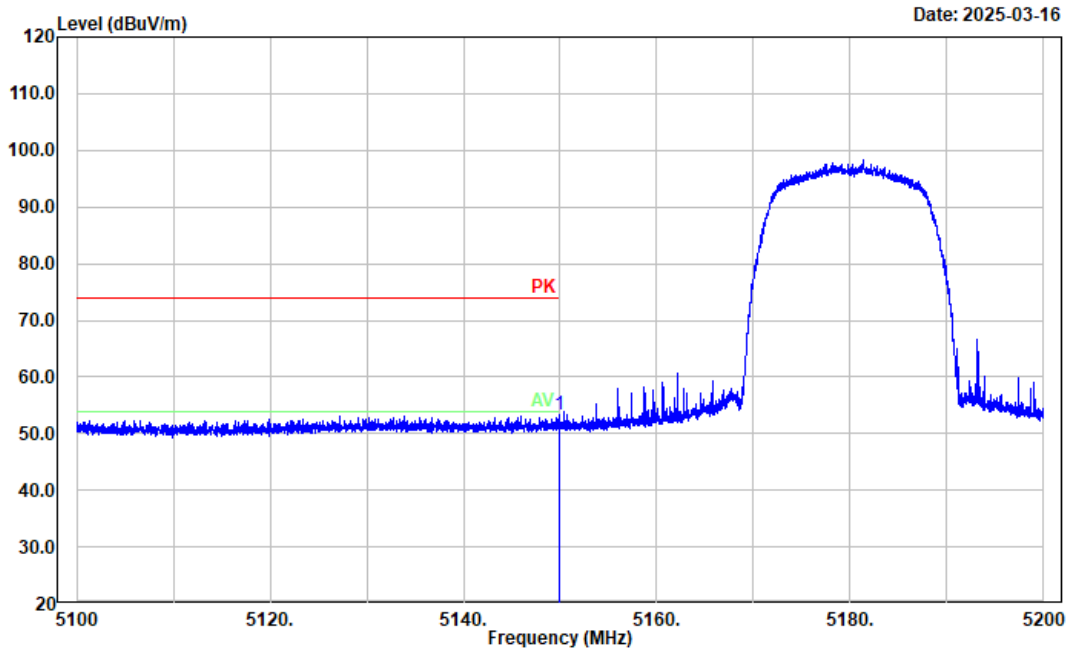
Project No.: 2403A45479E-RF
Tester: Tao Zhu
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: vertical
Note: ac80 Middle Channel 5775MHz Band 4



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	11590.000	43.84	5.38	49.22	74.00	24.78	Peak
2	11590.000	31.59	5.38	36.97	54.00	17.03	Average
3	17325.000	43.47	9.86	53.33	68.20	14.87	Peak
4	17820.000	44.34	13.54	57.88	74.00	16.12	Peak
5	17820.000	32.17	13.54	45.71	54.00	8.29	Average

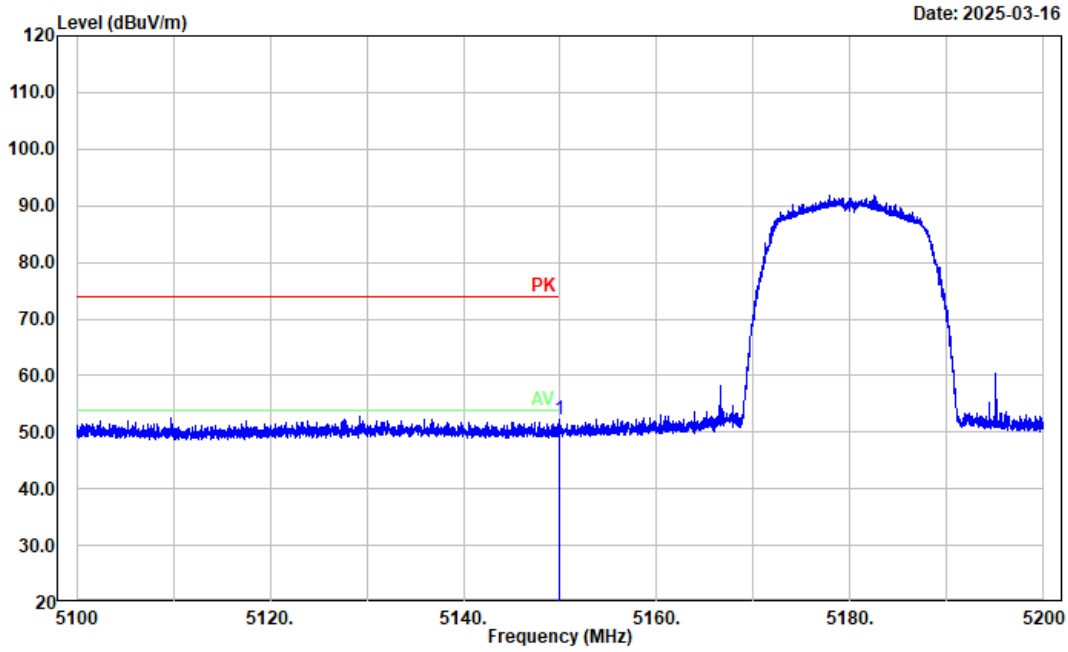
Band edge test plots

```
Project No.: 2403A45479E-RF
     Tester: Tao Zhu
  Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: Horizontal
       Note: a Low Channel 5180MHz Band 1
```



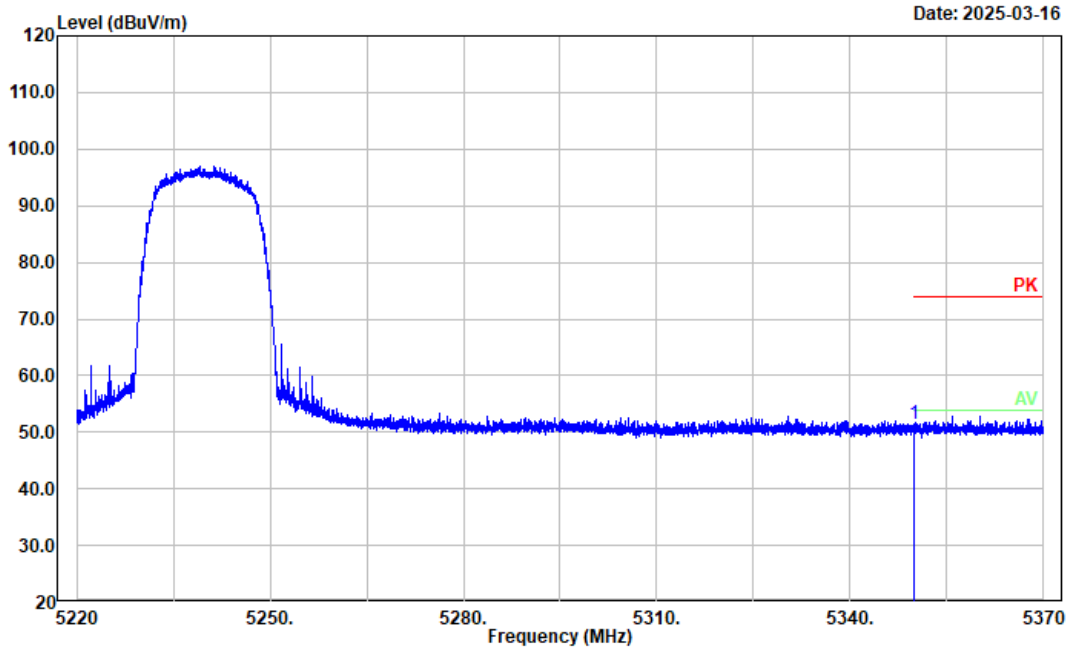
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	5150.000	58.02	-4.61	53.41	74.00	20.59	Peak

Project No.: 2403A45479E-RF
Tester: Tao Zhu
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: Vertical
Note: a Low Channel 5180MHz Band 1



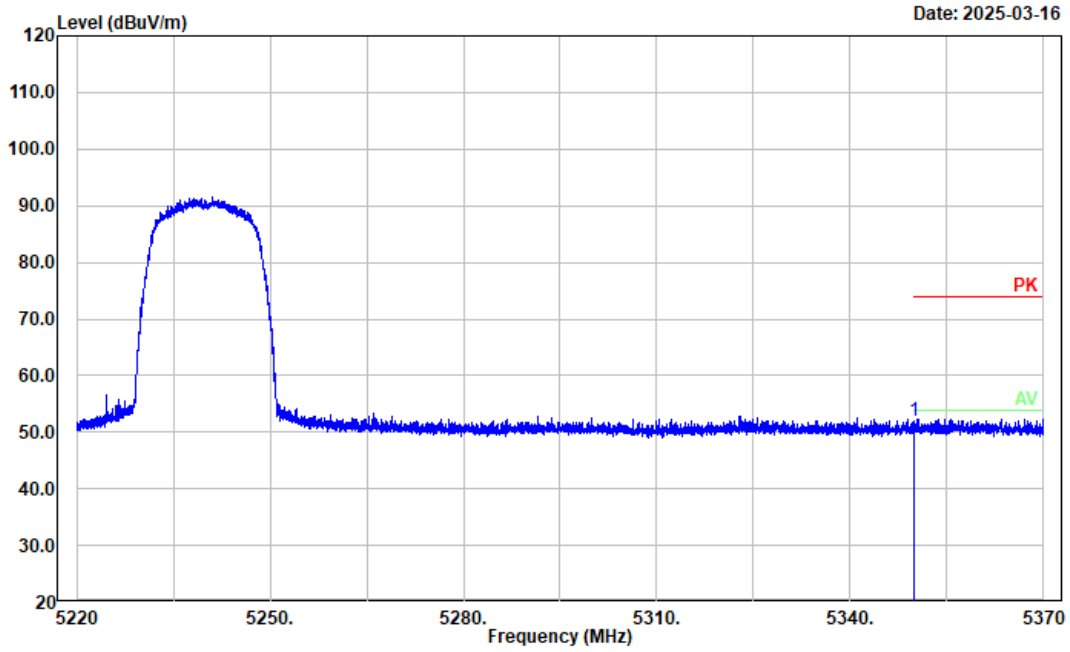
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	5150.000	56.77	-4.61	52.16	74.00	21.84	Peak

Project No.: 2403A45479E-RF
Tester: Tao Zhu
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: Horizontal
Note: a High Channel 5240MHz Band 1



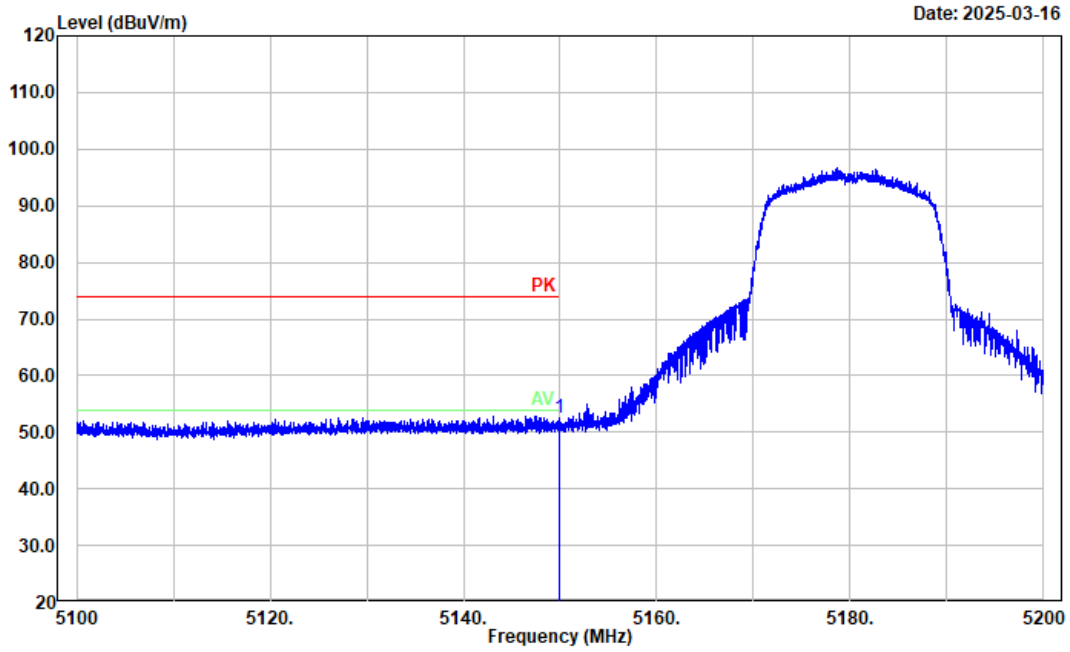
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	5350.000	55.96	-4.52	51.44	74.00	22.56	Peak

Project No.: 2403A45479E-RF
Tester: Tao Zhu
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: Vertical
Note: a High Channel 5240MHz Band 1



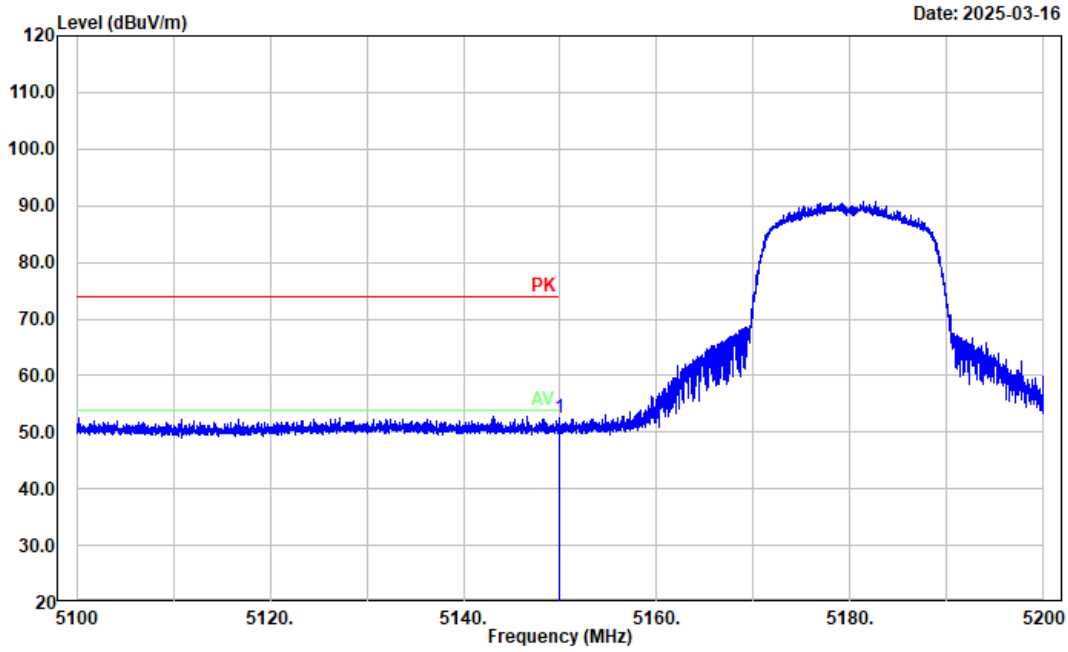
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	5350.000	56.44	-4.52	51.92	74.00	22.08	Peak

Project No.: 2403A45479E-RF
Tester: Tao Zhu
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: Horizontal
Note: n20 Low Channel 5180MHz Band 1



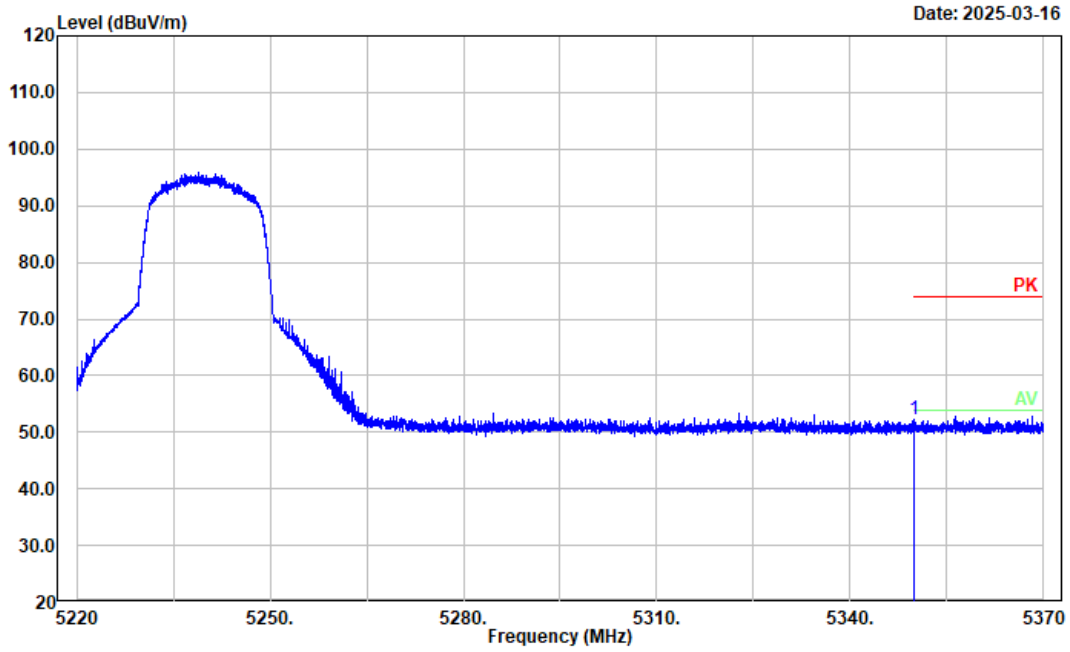
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	5150.000	57.13	-4.61	52.52	74.00	21.48	Peak

Project No.: 2403A45479E-RF
Tester: Tao Zhu
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: Vertical
Note: n20 Low Channel 5180MHz Band 1



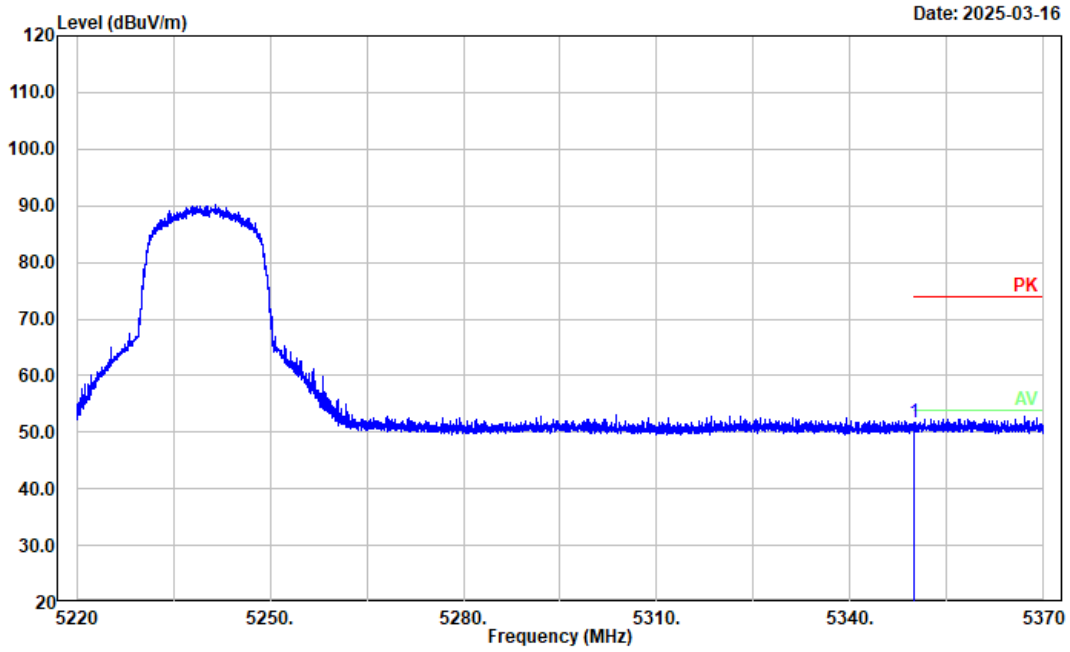
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	5150.000	57.08	-4.61	52.47	74.00	21.53	Peak

Project No.: 2403A45479E-RF
Tester: Tao Zhu
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: Horizontal
Note: n20 High Channel 5240MHz Band 1



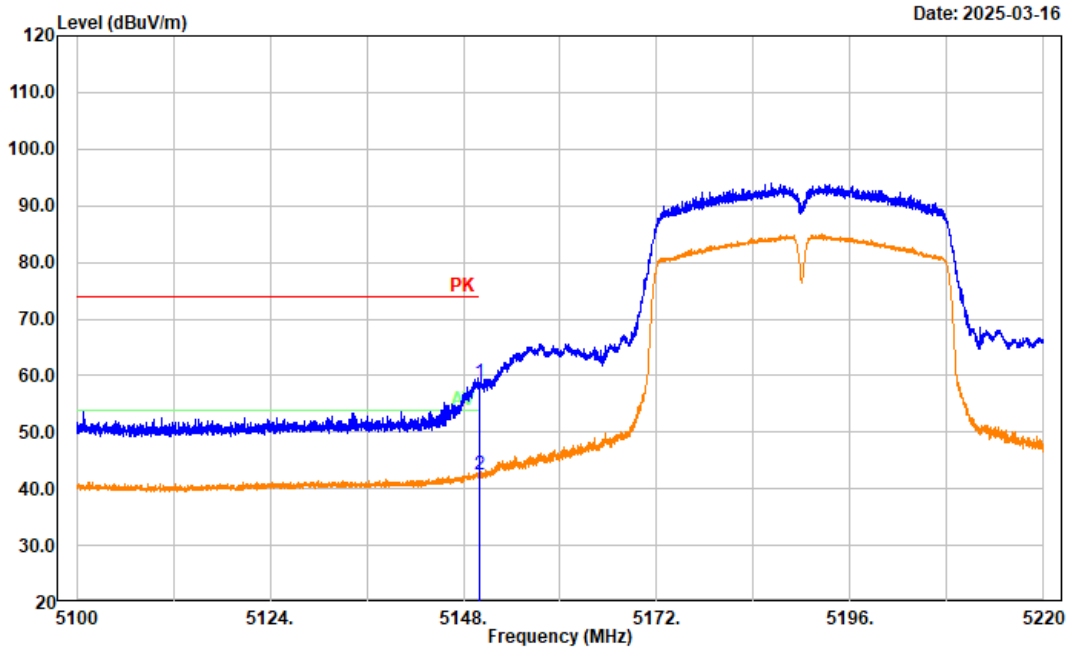
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	5350.000	56.65	-4.52	52.13	74.00	21.87	Peak

Project No.: 2403A45479E-RF
Tester: Tao Zhu
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: Vertical
Note: n20 High Channel 5240MHz Band 1



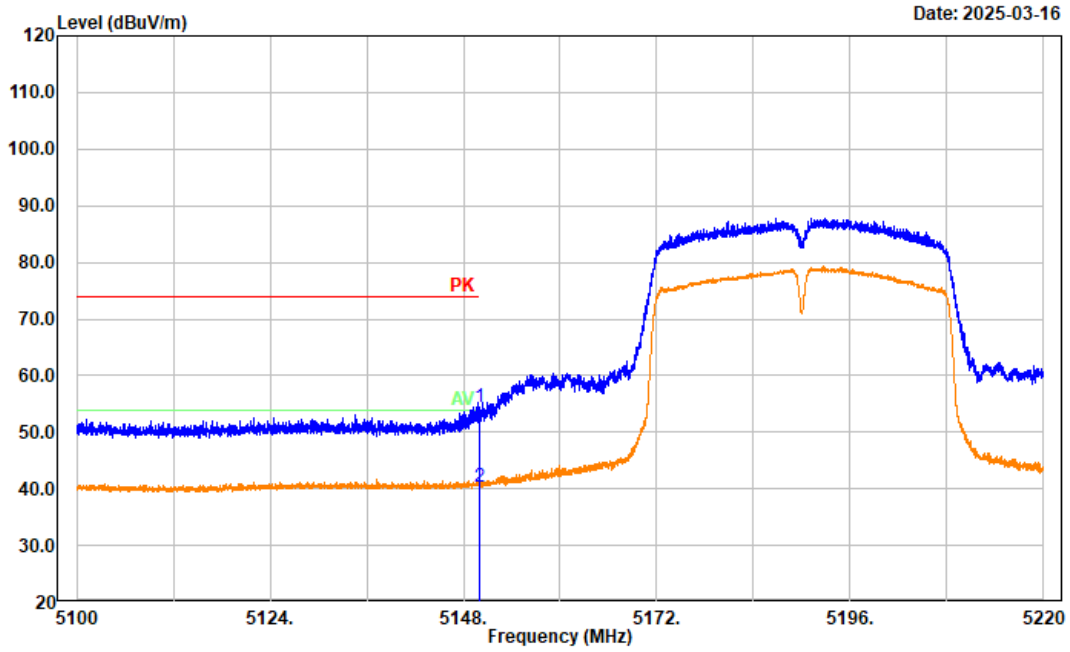
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	5350.000	56.22	-4.52	51.70	74.00	22.30	Peak

Project No.: 2403A45479E-RF
Tester: Tao Zhu
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: Horizontal
Note: n40 Low Channel 5190MHz Band 1



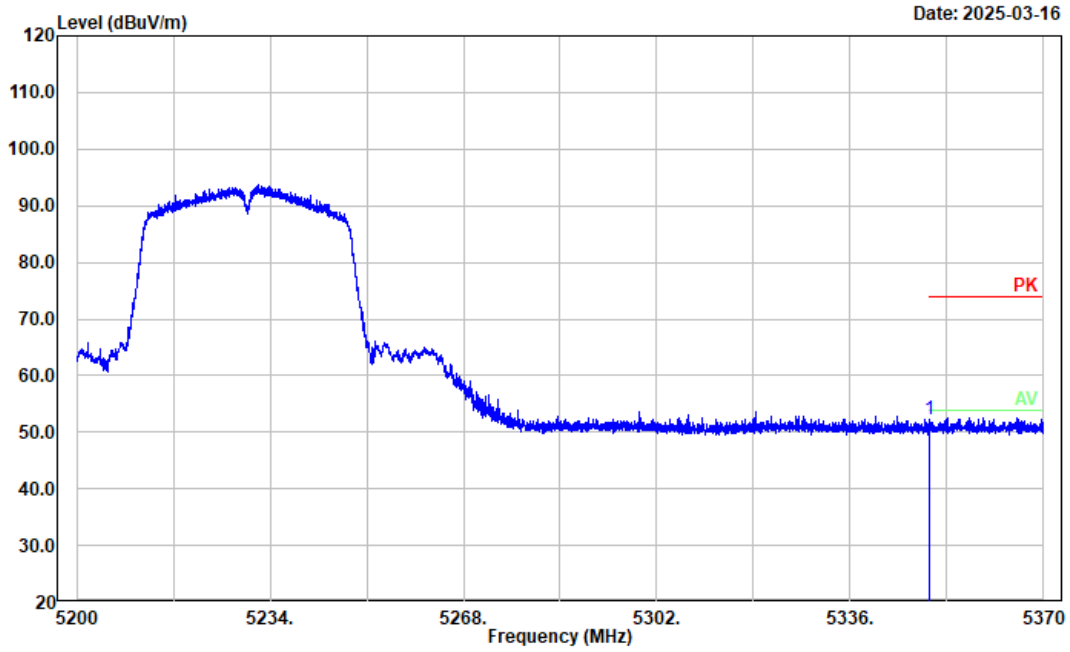
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	5150.000	63.42	-4.61	58.81	74.00	15.19	Peak
2	5150.000	46.97	-4.61	42.36	54.00	11.64	Average

Project No.: 2403A45479E-RF
Tester: Tao Zhu
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: Vertical
Note: n40 Low Channel 5190MHz Band 1



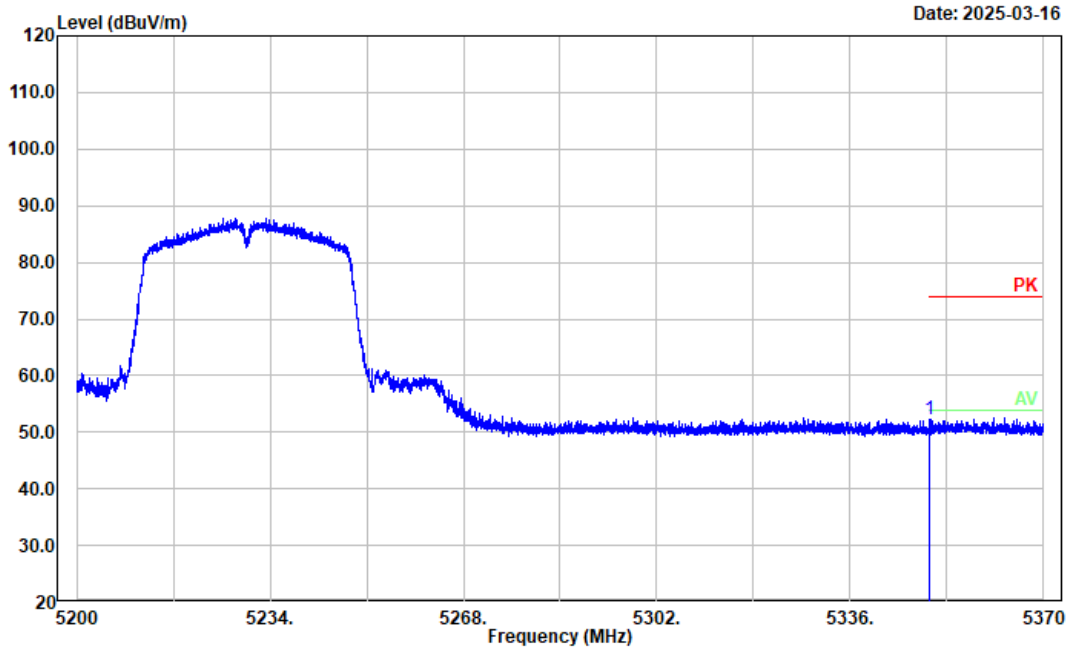
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	5150.000	58.97	-4.61	54.36	74.00	19.64	Peak
2	5150.000	44.92	-4.61	40.31	54.00	13.69	Average

```
Project No.: 2403A45479E-RF
     Tester: Tao Zhu
  Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: Horizontal
       Note: n40 High Channel 5230MHz Band 1
```



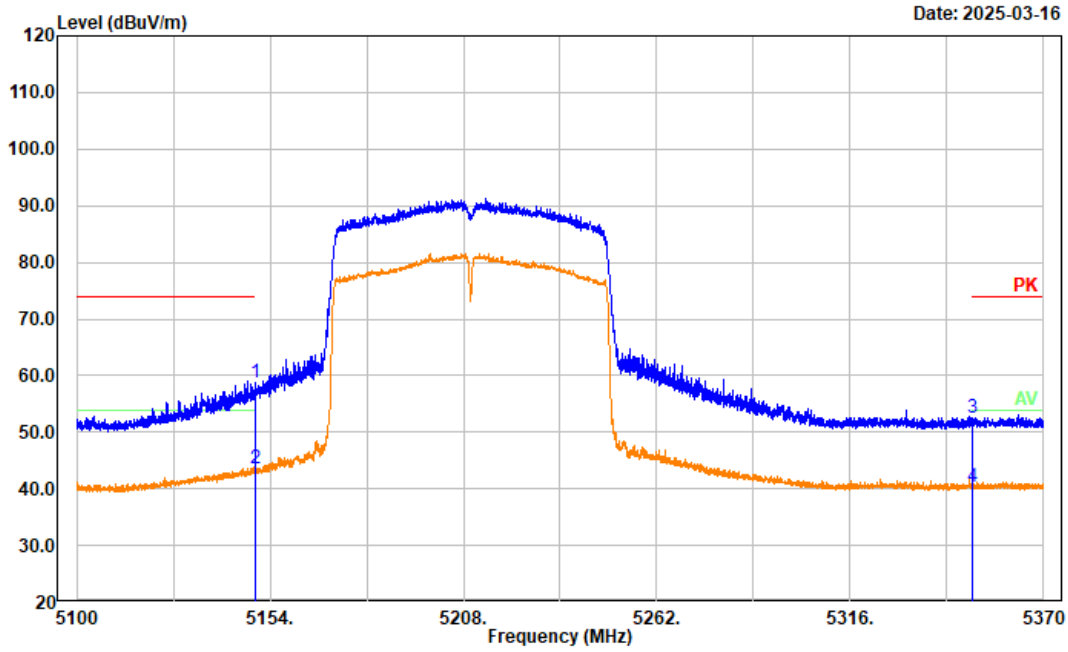
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	5350.000	56.74	-4.52	52.22	74.00	21.78	Peak

```
Project No.: 2403A45479E-RF
     Tester: Tao Zhu
  Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: Vertical
       Note: n40 High Channel 5230MHz Band 1
```



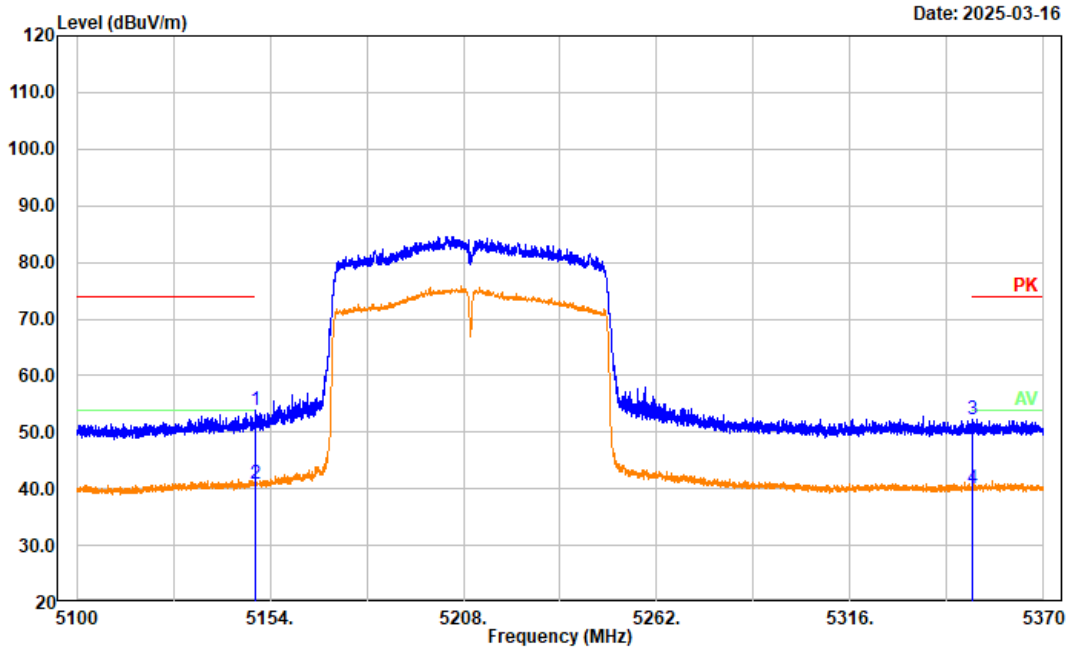
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	5350.000	56.73	-4.52	52.21	74.00	21.79	Peak

Project No.: 2403A45479E-RF
Tester: Tao Zhu
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: Horizontal
Note: ac80 Middle Channel 5210MHz Band 1



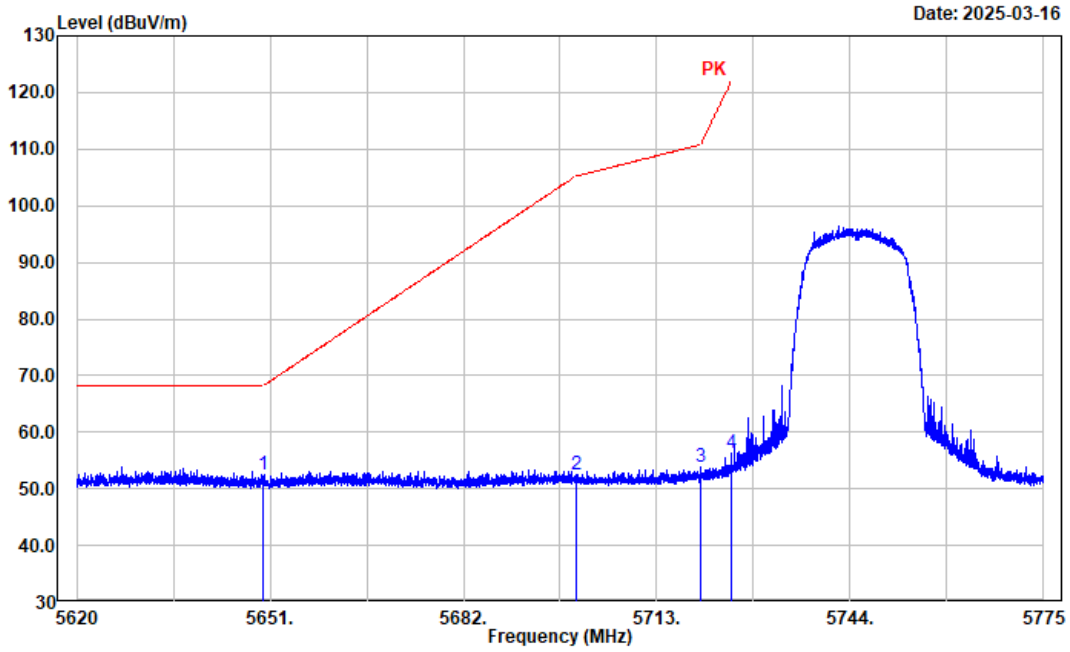
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	5150.000	63.35	-4.61	58.74	74.00	15.26	Peak
2	5150.000	48.19	-4.61	43.58	54.00	10.42	Average
3	5350.000	57.01	-4.52	52.49	74.00	21.51	Peak
4	5350.000	44.80	-4.52	40.28	54.00	13.72	Average

Project No.: 2403A45479E-RF
Tester: Tao Zhu
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: Vertical
Note: ac80 Middle Channel 5210MHz Band 1



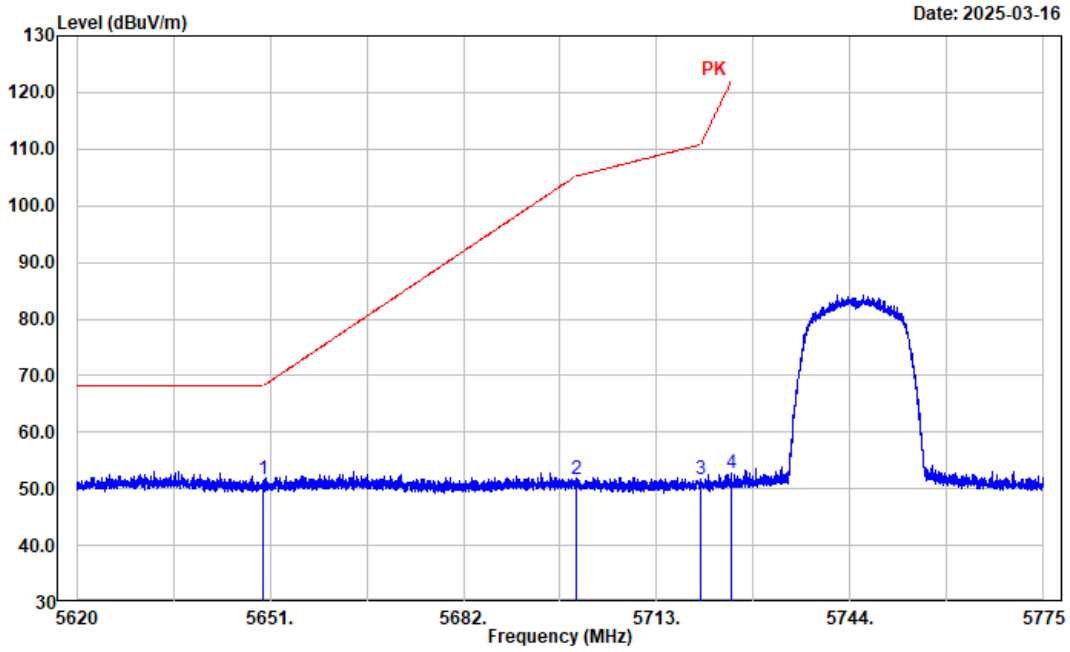
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	5150.000	58.46	-4.61	53.85	74.00	20.15	Peak
2	5150.000	45.49	-4.61	40.88	54.00	13.12	Average
3	5350.000	56.66	-4.52	52.14	74.00	21.86	Peak
4	5350.000	44.69	-4.52	40.17	54.00	13.83	Average

Project No.: 2403A45479E-RF
Tester: Tao Zhu
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: Horizontal
Note: a Low Channel 5475MHz Band 4



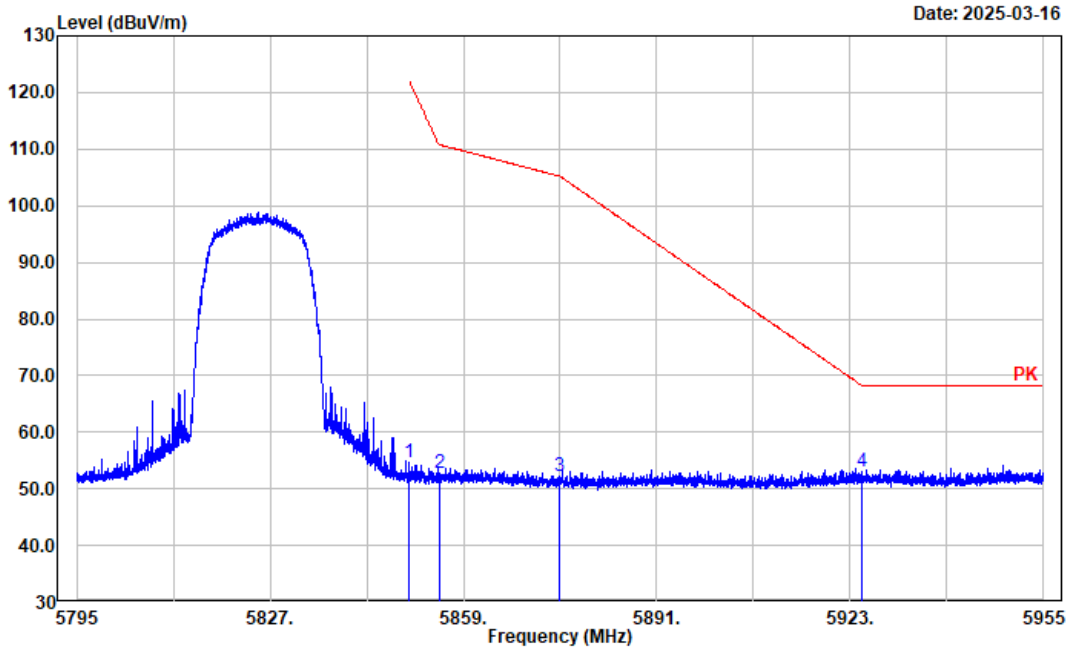
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	5650.000	56.36	-3.89	52.47	68.20	15.73	Peak
2	5700.000	56.67	-4.15	52.52	105.20	52.68	Peak
3	5720.000	57.83	-4.08	53.75	110.80	57.05	Peak
4	5725.000	60.31	-4.06	56.25	122.20	65.95	Peak

Project No.: 2403A45479E-RF
Tester: Tao Zhu
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: Vertical
Note: a Low Channel 5475MHz Band 4



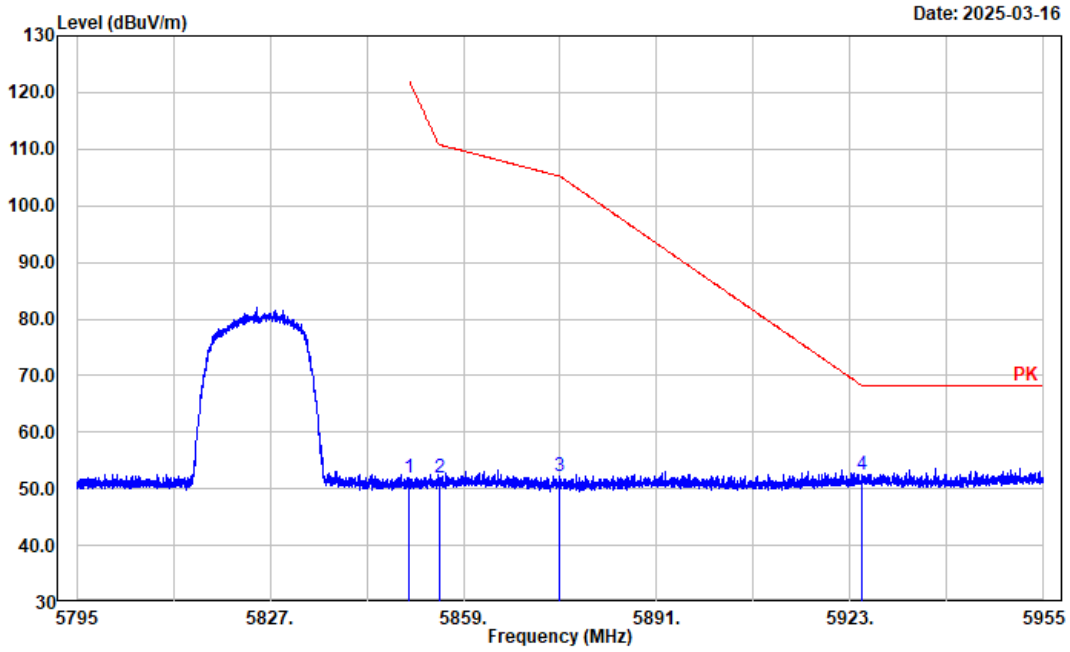
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	5650.000	55.44	-3.89	51.55	68.20	16.65	Peak
2	5700.000	55.75	-4.15	51.60	105.20	53.60	Peak
3	5720.000	55.73	-4.08	51.65	110.80	59.15	Peak
4	5725.000	56.94	-4.06	52.88	122.20	69.32	Peak

Project No.: 2403A45479E-RF
Tester: Tao Zhu
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: Horizontal
Note: a High Channel 5825MHz Band 4



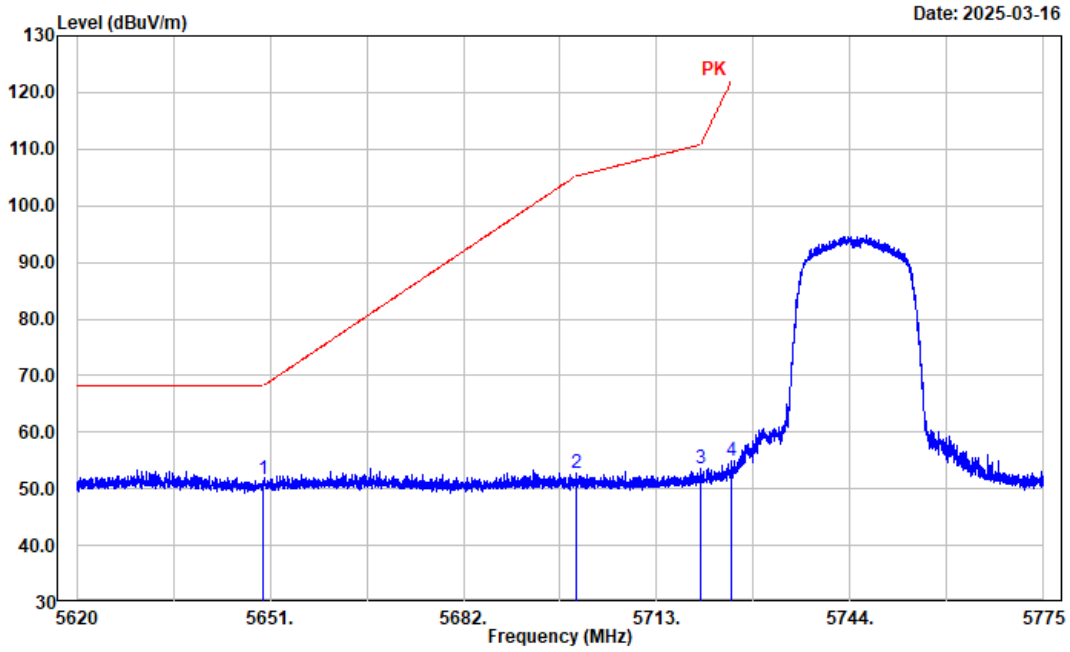
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	5850.000	59.00	-4.30	54.70	122.20	67.50	Peak
2	5855.000	57.16	-4.31	52.85	110.80	57.95	Peak
3	5875.000	56.53	-4.36	52.17	105.20	53.03	Peak
4	5925.000	57.09	-4.14	52.95	68.20	15.25	Peak

Project No.: 2403A45479E-RF
Tester: Tao Zhu
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: Vertical
Note: a High Channel 5825MHz Band 4



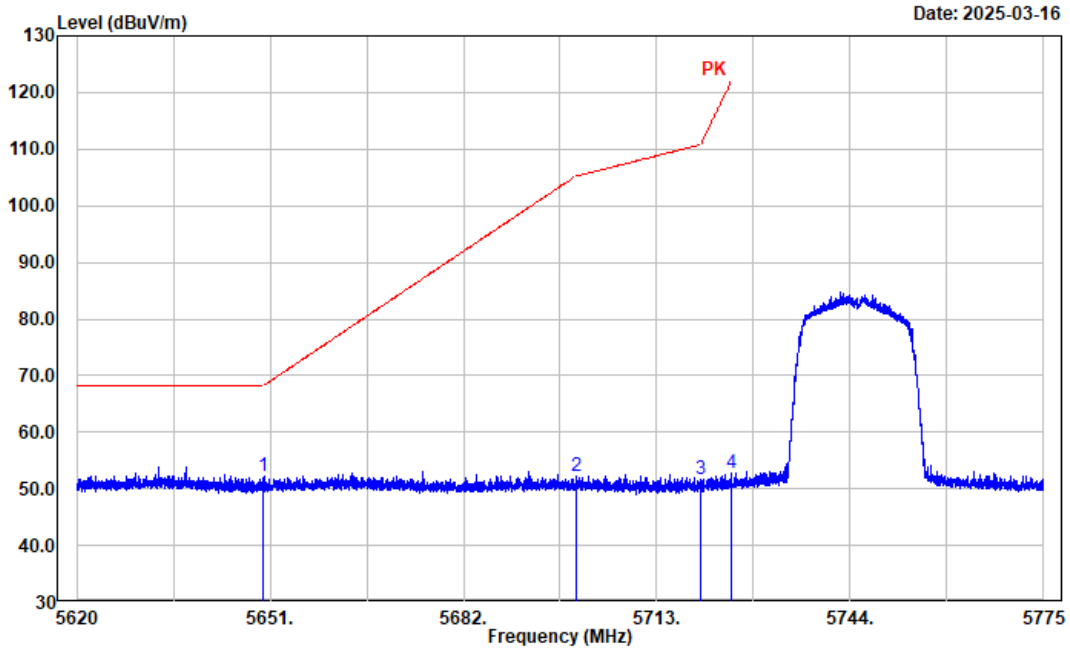
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	5850.000	56.27	-4.30	51.97	122.20	70.23	Peak
2	5855.000	56.34	-4.31	52.03	110.80	58.77	Peak
3	5875.000	56.49	-4.36	52.13	105.20	53.07	Peak
4	5925.000	56.67	-4.14	52.53	68.20	15.67	Peak

Project No.: 2403A45479E-RF
Tester: Tao Zhu
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: Horizontal
Note: n20 Low Channel 5745MHz Band 4



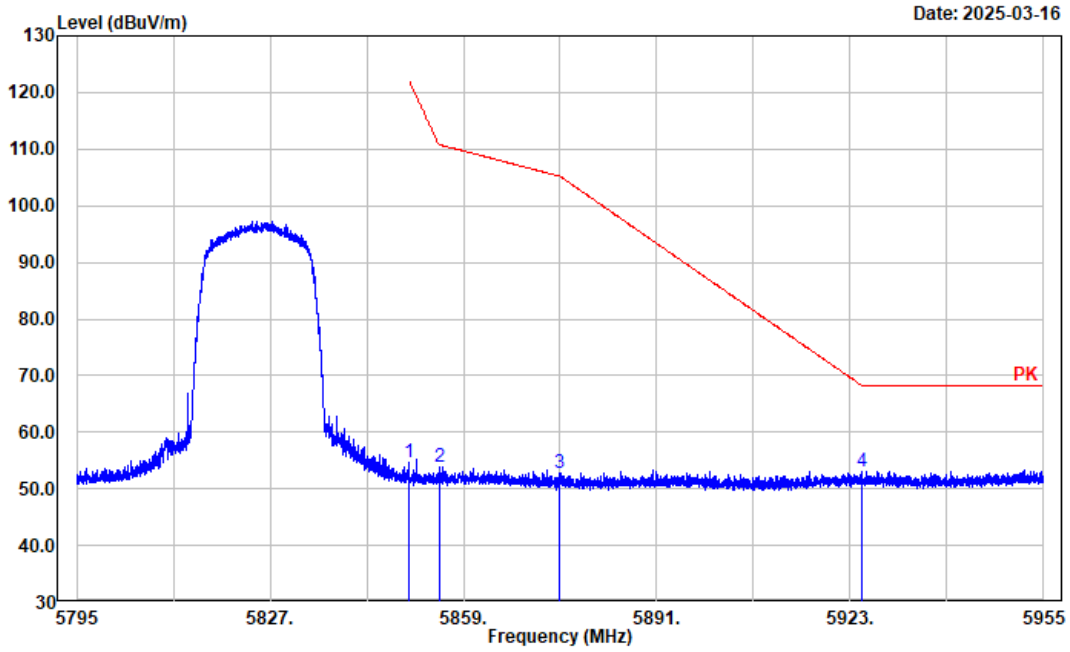
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	5650.000	55.50	-3.89	51.61	68.20	16.59	Peak
2	5700.000	56.89	-4.15	52.74	105.20	52.46	Peak
3	5720.000	57.61	-4.08	53.53	110.80	57.27	Peak
4	5725.000	58.98	-4.06	54.92	122.20	67.28	Peak

Project No.: 2403A45479E-RF
Tester: Tao Zhu
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: Vertical
Note: n20 Low Channel 5745MHz Band 4



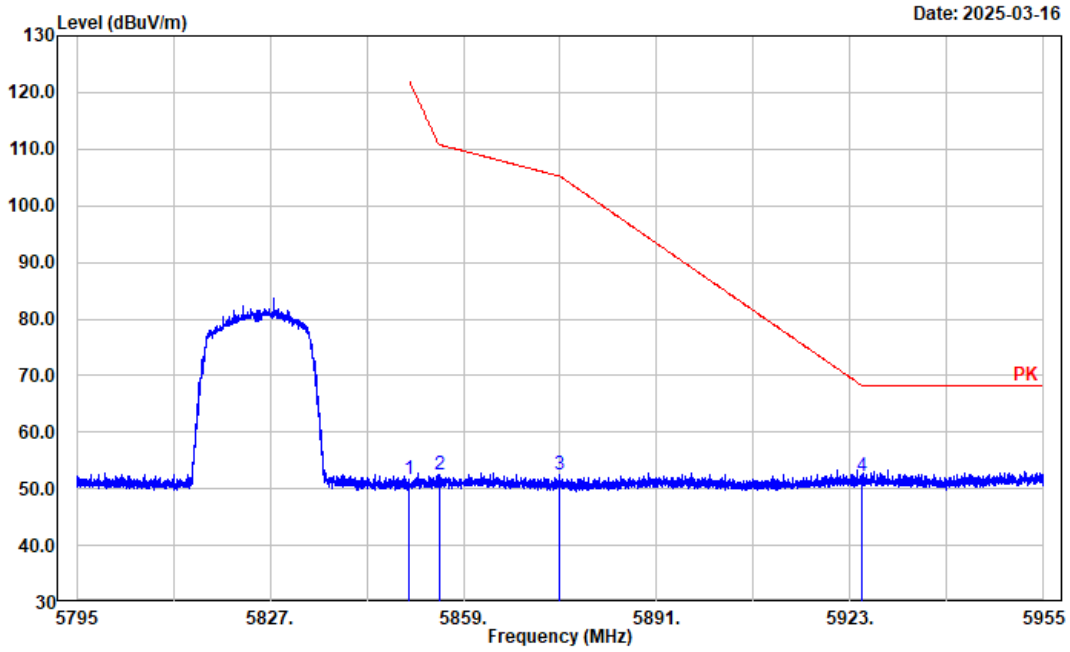
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	5650.000	55.98	-3.89	52.09	68.20	16.11	Peak
2	5700.000	56.49	-4.15	52.34	105.20	52.86	Peak
3	5720.000	55.88	-4.08	51.80	110.80	59.00	Peak
4	5725.000	56.71	-4.06	52.65	122.20	69.55	Peak

Project No.: 2403A45479E-RF
Tester: Tao Zhu
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: Horizontal
Note: n20 High Channel 5825MHz Band 4



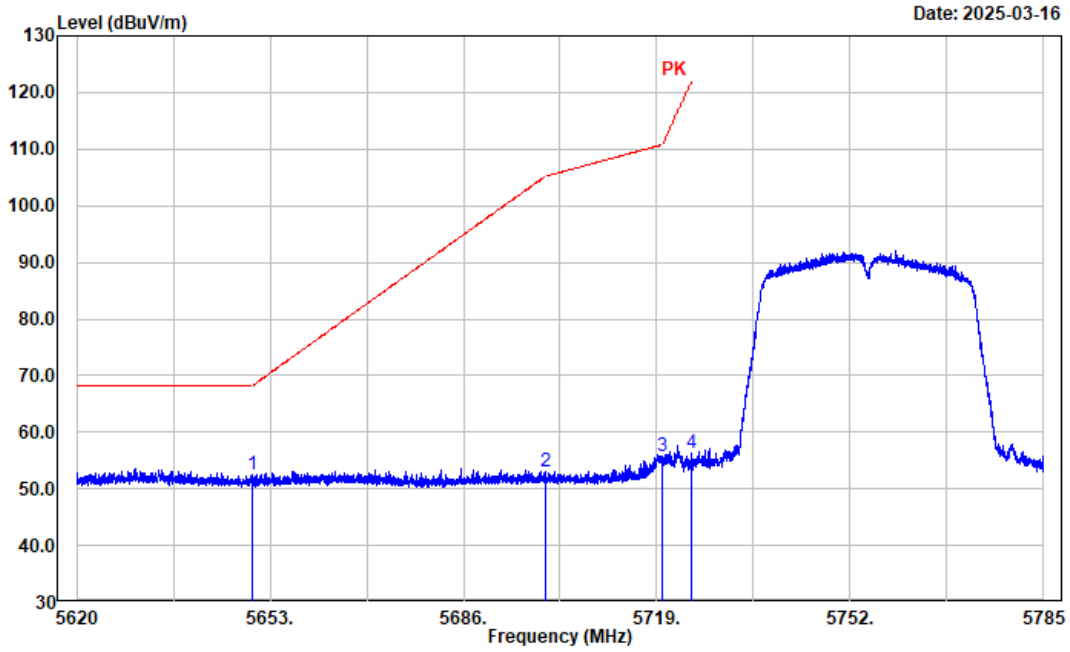
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	5850.000	58.99	-4.30	54.69	122.20	67.51	Peak
2	5855.000	58.16	-4.31	53.85	110.80	56.95	Peak
3	5875.000	56.99	-4.36	52.63	105.20	52.57	Peak
4	5925.000	57.19	-4.14	53.05	68.20	15.15	Peak

Project No.: 2403A45479E-RF
Tester: Tao Zhu
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: Vertical
Note: n20 High Channel 5825MHz Band 4



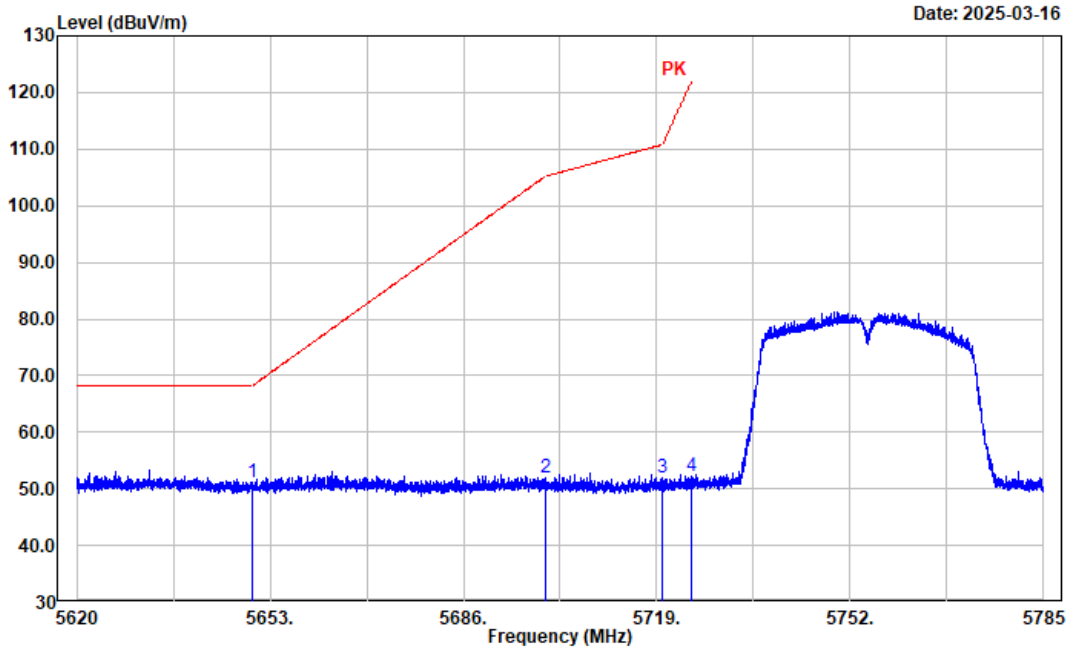
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	5850.000	55.90	-4.30	51.60	122.20	70.60	Peak
2	5855.000	56.89	-4.31	52.58	110.80	58.22	Peak
3	5875.000	56.73	-4.36	52.37	105.20	52.83	Peak
4	5925.000	56.31	-4.14	52.17	68.20	16.03	Peak

Project No.: 2403A45479E-RF
Tester: Tao Zhu
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: Horizontal
Note: n40 Low Channel 5755MHz Band 4



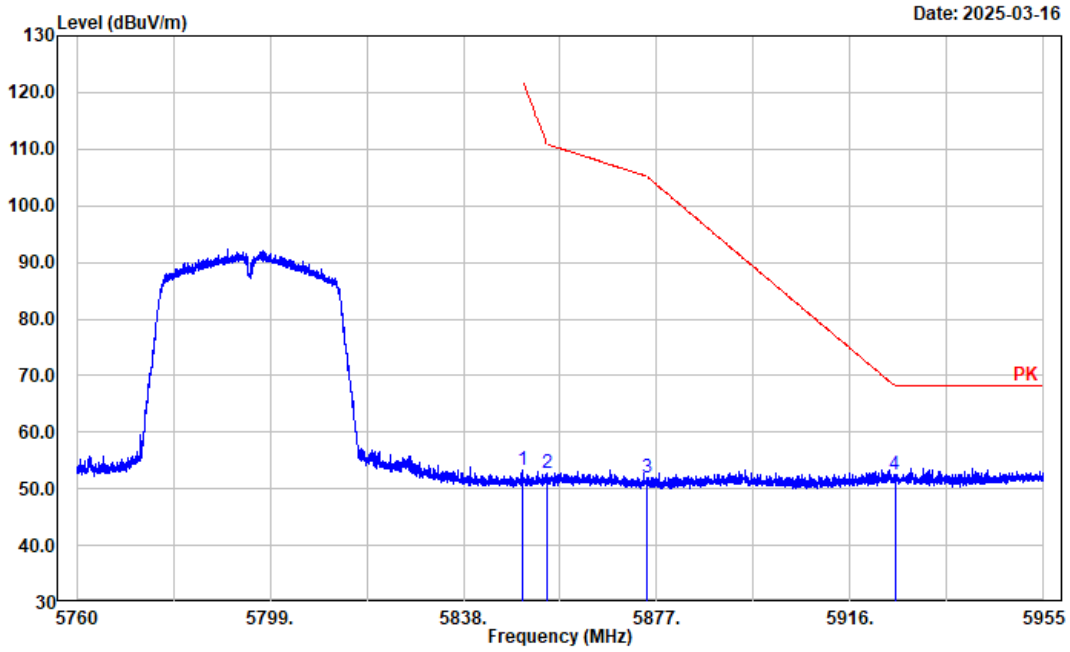
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	5650.000	56.51	-3.89	52.62	68.20	15.58	Peak
2	5700.000	57.28	-4.15	53.13	105.20	52.07	Peak
3	5720.000	59.73	-4.08	55.65	110.80	55.15	Peak
4	5725.000	60.32	-4.06	56.26	122.20	65.94	Peak

Project No.: 2403A45479E-RF
Tester: Tao Zhu
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: Vertical
Note: n40 Low Channel 5755MHz Band 4



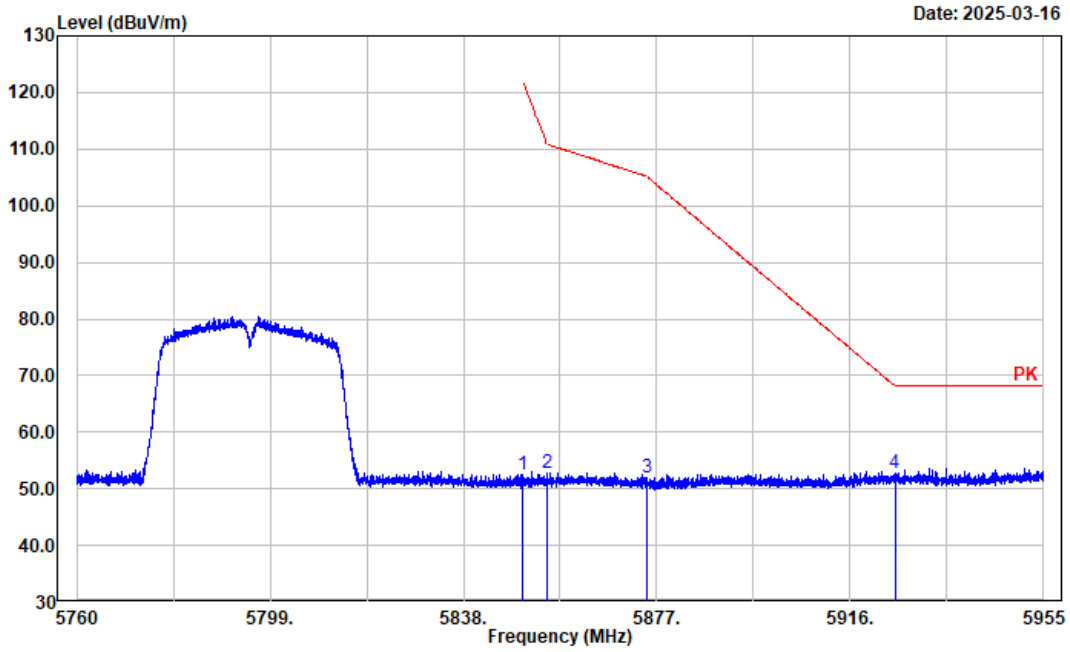
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	5650.000	55.11	-3.89	51.22	68.20	16.98	Peak
2	5700.000	56.23	-4.15	52.08	105.20	53.12	Peak
3	5720.000	55.93	-4.08	51.85	110.80	58.95	Peak
4	5725.000	56.27	-4.06	52.21	122.20	69.99	Peak

Project No.: 2403A45479E-RF
Tester: Tao Zhu
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: Horizontal
Note: n40 High Channel 5795MHz Band 4



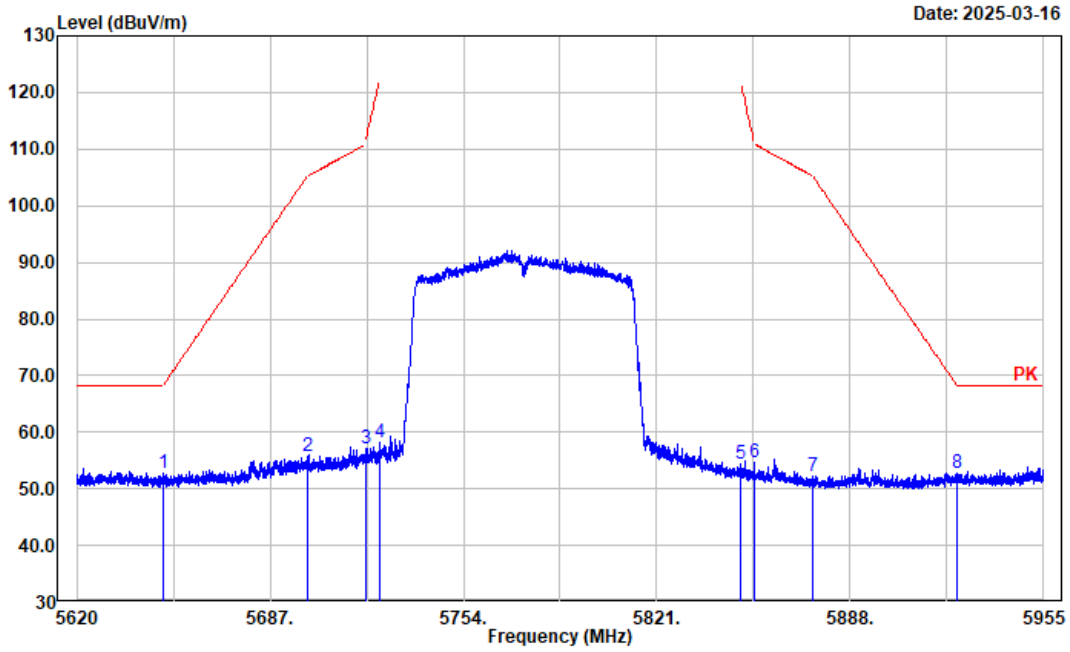
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	5850.000	57.50	-4.30	53.20	122.20	69.00	Peak
2	5855.000	56.99	-4.31	52.68	110.80	58.12	Peak
3	5875.000	56.41	-4.36	52.05	105.20	53.15	Peak
4	5925.000	56.69	-4.14	52.55	68.20	15.65	Peak

Project No.: 2403A45479E-RF
Tester: Tao Zhu
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: Vertical
Note: n40 High Channel 5795MHz Band 4



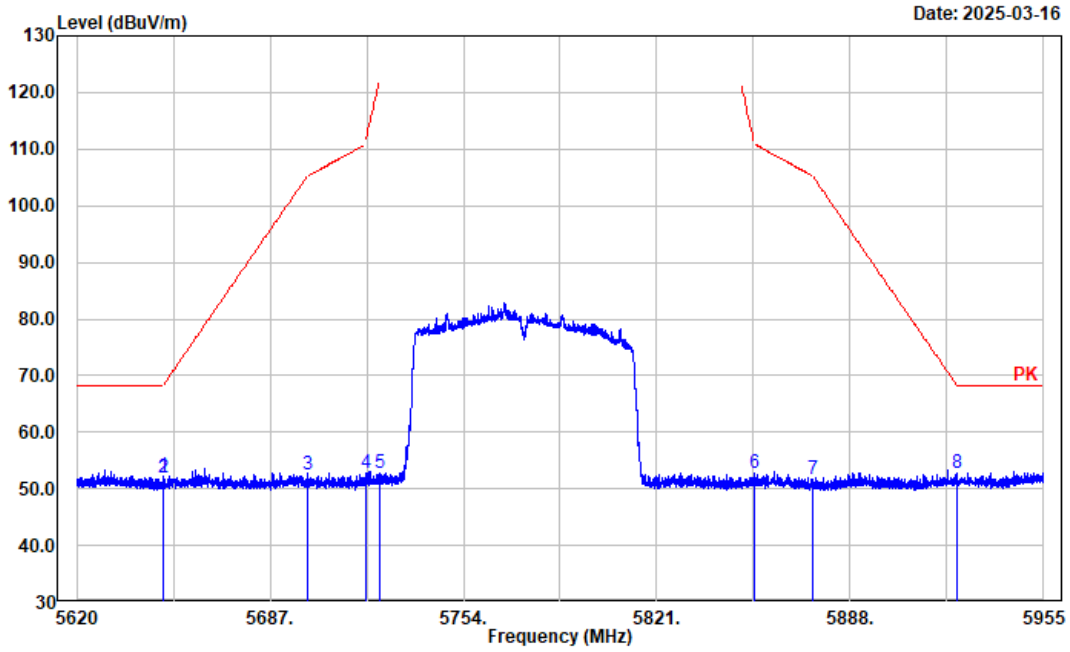
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	5850.000	56.88	-4.30	52.58	122.20	69.62	Peak
2	5855.000	57.07	-4.31	52.76	110.80	58.04	Peak
3	5875.000	56.34	-4.36	51.98	105.20	53.22	Peak
4	5925.000	57.03	-4.14	52.89	68.20	15.31	Peak

Project No.: 2403A45479E-RF
Tester: Tao Zhu
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: Horizontal
Note: ac80 Middle Channel 5775MHz Band 4



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	5650.000	56.53	-3.89	52.64	68.20	15.56	Peak
2	5700.000	59.98	-4.15	55.83	105.20	49.37	Peak
3	5720.000	61.15	-4.08	57.07	110.80	53.73	Peak
4	5725.000	62.12	-4.06	58.06	122.20	64.14	Peak
5	5850.000	58.60	-4.30	54.30	122.20	67.90	Peak
6	5855.000	58.87	-4.31	54.56	110.80	56.24	Peak
7	5875.000	56.67	-4.36	52.31	105.20	52.89	Peak
8	5925.000	56.88	-4.14	52.74	68.20	15.46	Peak

Project No.: 2403A45479E-RF
Tester: Tao Zhu
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: Vertical
Note: ac80 Middle Channel 5775MHz Band 4



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	5650.000	56.13	-3.89	52.24	68.20	15.96	Peak
2	5650.000	55.75	-3.89	51.86	68.20	16.34	Peak
3	5700.000	56.70	-4.15	52.55	105.20	52.65	Peak
4	5720.000	56.97	-4.08	52.89	110.80	57.91	Peak
5	5725.000	56.72	-4.06	52.66	122.20	69.54	Peak
6	5855.000	57.10	-4.31	52.79	110.80	58.01	Peak
7	5875.000	56.07	-4.36	51.71	105.20	53.49	Peak
8	5925.000	57.00	-4.14	52.86	68.20	15.34	Peak

4.3 Emission Bandwidth

Test Information:

Sample No.:	2W1V-1	**Test Date:**	2025/3/28
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Lingling Li	**Test Result:**	Pass

Environmental Conditions:

Temperature: (°C)	25.8	**Relative Humidity: (%)**	55	**ATM Pressure: (kPa)**	101.4

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU26	200256	2024/04/01	2025/03/31
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060302	Each time	N/A
zhuoxiang	Coaxial Cable	SMA-178	211003	Each time	N/A

** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Data:

26dB Emission Bandwidth
5150-5250MHz

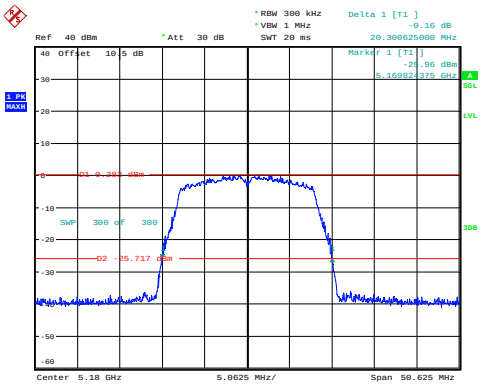
Mode	Test Frequency (MHz)	Result (MHz)
802.11a	5180	20.301
	5200	20.402
	5240	20.503
802.11n20	5180	20.704
	5200	20.805
	5240	20.653
802.11n40	5190	41.400
	5230	41.300
802.11ac80	5210	81.800

6dB Emission Bandwidth
5725-5850MHz

Mode	Test Frequency (MHz)	Result (MHz)	Limit (MHz)	Verdict
802.11a	5745	16.450	0.5	Pass
	5785	16.450	0.5	Pass
	5825	16.450	0.5	Pass
802.11n20	5745	17.700	0.5	Pass
	5785	17.650	0.5	Pass
	5825	17.700	0.5	Pass
802.11n40	5755	36.500	0.5	Pass
	5795	36.500	0.5	Pass
802.11ac80	5775	76.400	0.5	Pass

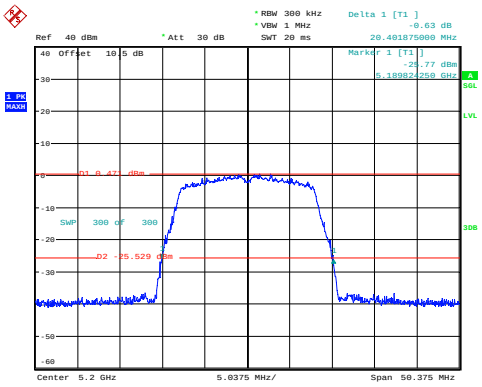
5150-5250MHz

802.11a_5180MHz



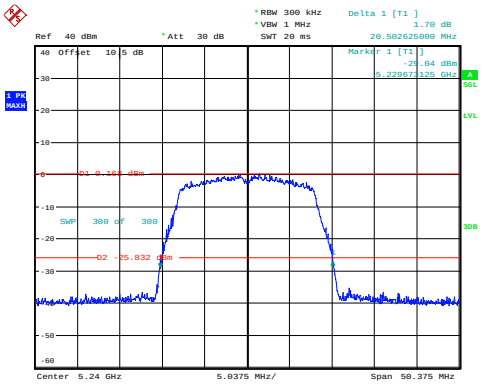
ProjectNo.:2403A45479E-RF Tester:Lingling Li
Date: 28.MAR.2025 10:06:11

802.11a_5200MHz



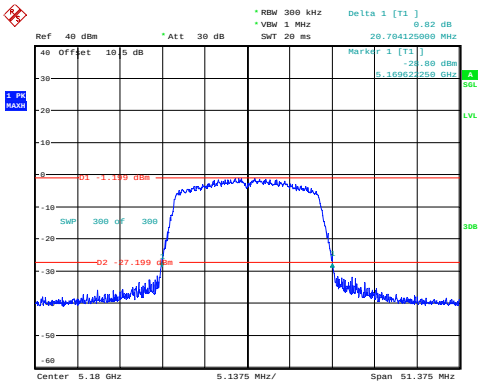
ProjectNo.:2403A45479E-RF Tester:Lingling Li
Date: 28.MAR.2025 10:15:56

802.11a_5240MHz



ProjectNo.:2403A45479E-RF Tester:Lingling Li
Date: 28.MAR.2025 10:19:21

802.11n20_5180MHz



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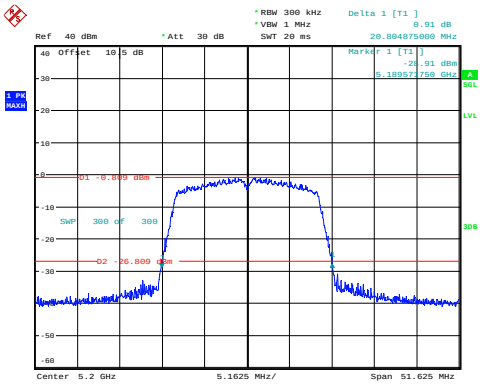
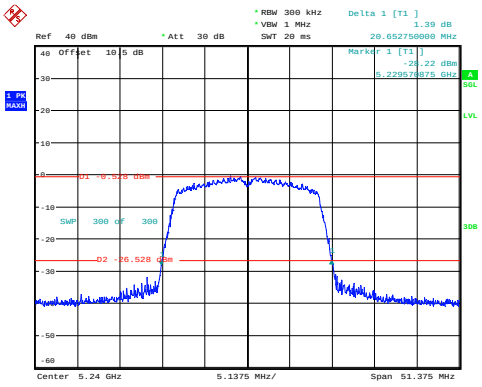
Date: 28.MAR.2025 10:22:42

802.11n20_5200MHz



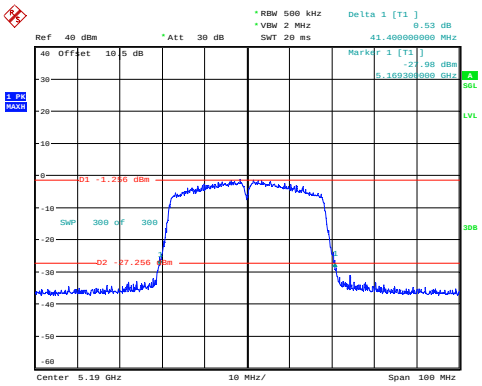
ProjectNo.:2403A45479E-RF Tester:Lingling Li
Date: 28.MAR.2025 10:26:13

802.11n20_5240MHz



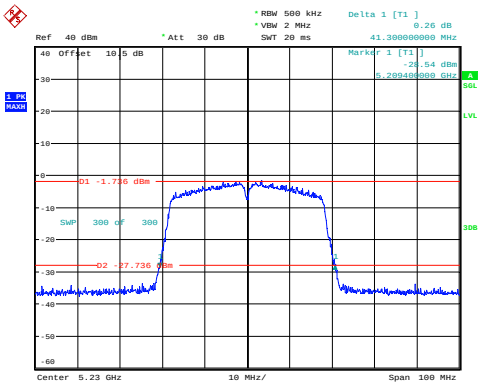
ProjectNo.:2403A45479E-RF Tester:Lingling Li
Date: 28.MAR.2025 10:29:36

802.11n40_5190MHz



ProjectNo.:2403A45479E-RF Tester:Lingling Li
Date: 28.MAR.2025 10:32:28

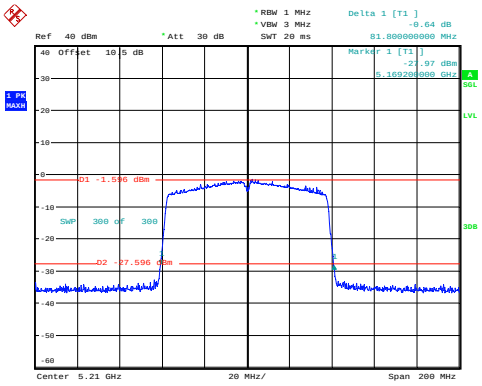
802.11n40_5230MHz



ProjectNo.:2403A45479E-RF Tester:Lingling Li
Date: 28.MAR.2025 10:35:43

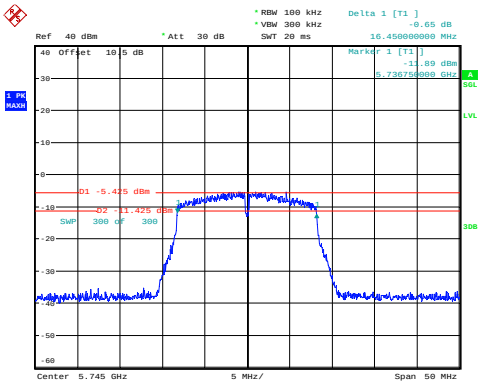
5725-5850MHz

802.11ac80_5210MHz



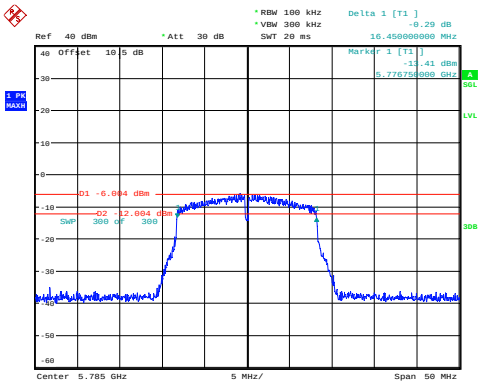
ProjectNo.:2403A45479E-RF Tester:Lingling Li
Date: 28.MAR.2025 10:38:43

802.11a_5745MHz



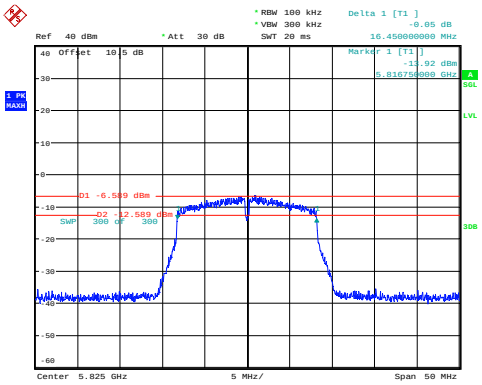
ProjectNo.:2403A45479E-RF Tester:Lingling Li
Date: 28.MAR.2025 10:42:02

802.11a_5785MHz



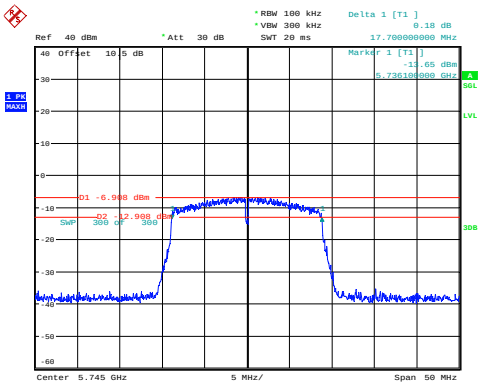
ProjectNo.:2403A45479E-RF Tester:Lingling Li
Date: 28.MAR.2025 10:44:37

802.11a_5825MHz



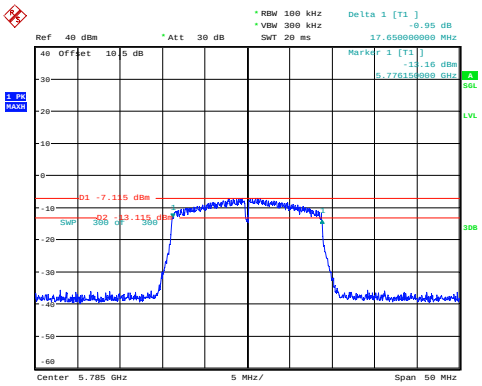
ProjectNo.:2403A45479E-RF Tester:Lingling Li
Date: 28.MAR.2025 10:47:20

802.11n20_5745MHz



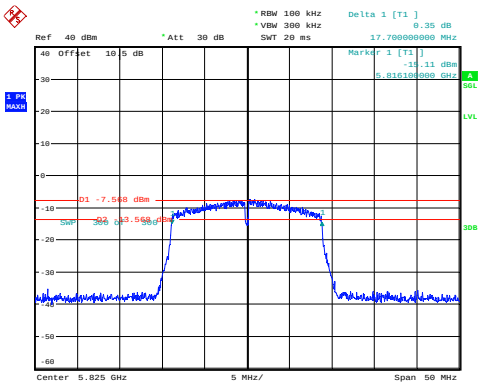
ProjectNo.:2403A45479E-RF Tester:Lingling Li
Date: 28.MAR.2025 10:50:29

802.11n20_5785MHz



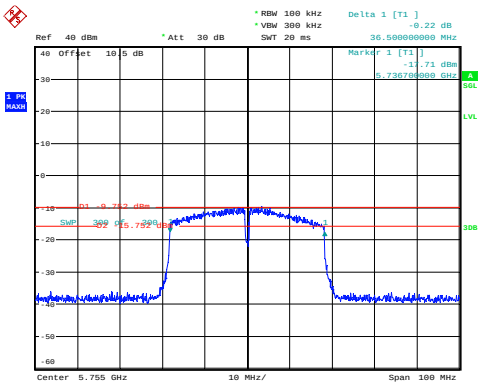
ProjectNo.:2403A45479E-RF Tester:Lingling Li
Date: 28.MAR.2025 10:52:55

802.11n20_5825MHz



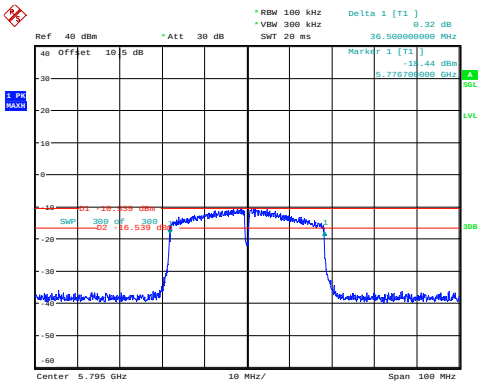
ProjectNo.:2403A45479E-RF Tester:Lingling Li
Date: 28.MAR.2025 10:55:21

802.11n40_5755MHz



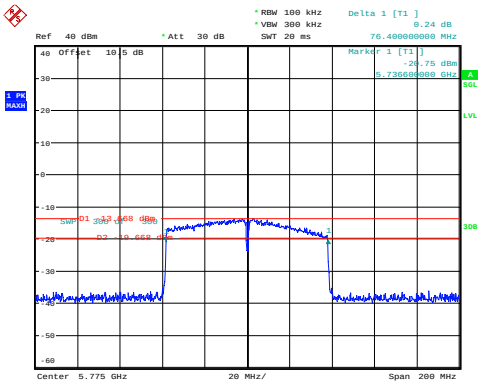
ProjectNo.:2403A45479E-RF Tester:Lingling Li
Date: 28.MAR.2025 10:58:26

802.11n40_5795MHz



ProjectNo.:2403A45479E-RF Tester:Lingling Li
Date: 28.MAR.2025 11:02:09

802.11ac80_5775MHz



ProjectNo.:2403A45479E-RF Tester:Lingling Li
Date: 28.MAR.2025 11:05:43

4.4 99% Occupied Bandwidth

Test Information:

Sample No.:	2W1V-1	**Test Date:**	2025/3/28
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Lingling Li	**Test Result:**	N/A

Environmental Conditions:

Temperature: (°C)	25.8	**Relative Humidity: (%)**	55	**ATM Pressure: (kPa)**	101.4

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU26	200256	2024/04/01	2025/03/31
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060302	Each time	N/A
zhuoxiang	Coaxial Cable	SMA-178	211003	Each time	N/A

** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Data:

5150-5250MHz

Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11a	5180	16.550
	5200	16.550
	5240	16.550
802.11n20	5180	17.700
	5200	17.650
	5240	17.650
802.11n40	5190	36.200
	5230	36.300
802.11ac80	5210	75.200

Note:
The 99% Occupied Bandwidth have not fall into the band 5250-5350MHz, please refer to the test plots of 99% Occupied Bandwidth.

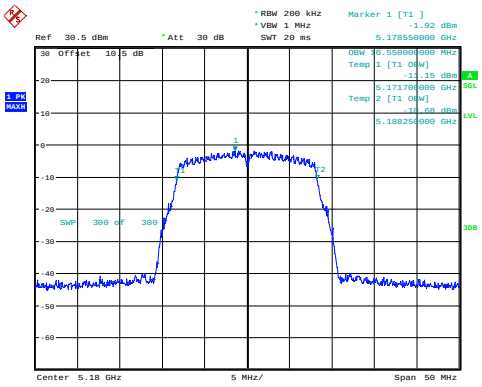
5725-5850MHz

Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11a	5745	16.600
	5785	16.600
	5825	16.600
802.11n20	5745	17.650
	5785	17.650
	5825	17.650
802.11n40	5755	36.200
	5795	36.200
802.11ac80	5775	75.200

Note:
The 99% Occupied Bandwidth have not fall into the band 5470-5725MHz, please refer to the test plots of 99% Occupied Bandwidth.

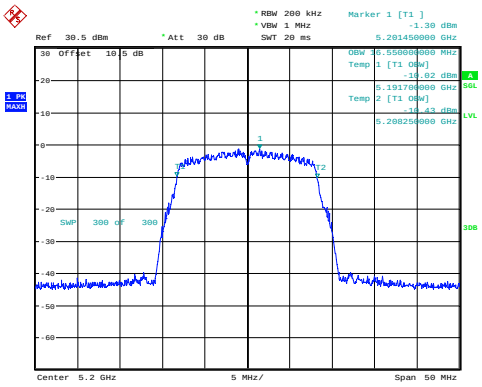
5150-5250MHz

802.11a_5180MHz



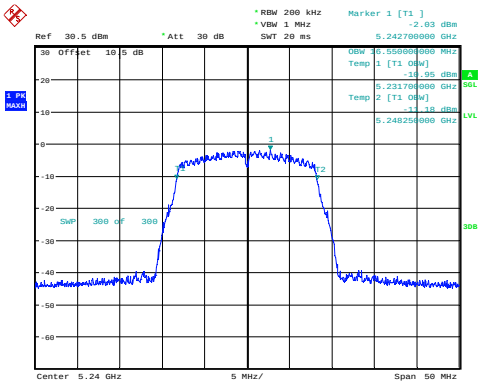
ProjectNo.:2403A45479E-RF Tester:Lingling Li
Date: 28.MAR.2025 10:10:30

802.11a_5200MHz



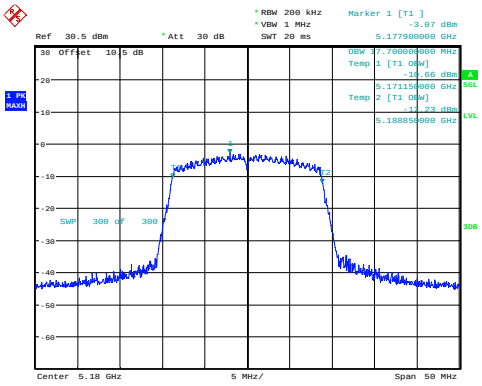
ProjectNo.:2403A45479E-RF Tester:Lingling Li
Date: 28.MAR.2025 10:16:50

802.11a_5240MHz



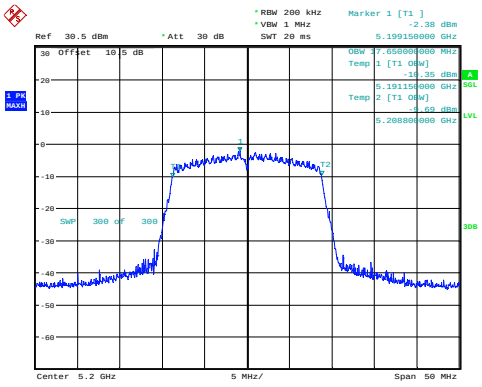
ProjectNo.:2403A45479E-RF Tester:Lingling Li
Date: 28.MAR.2025 10:20:14

802.11n20_5180MHz



ProjectNo.:2403A45479E-RF Tester:Lingling Li
Date: 28.MAR.2025 10:23:34

802.11n20_5200MHz



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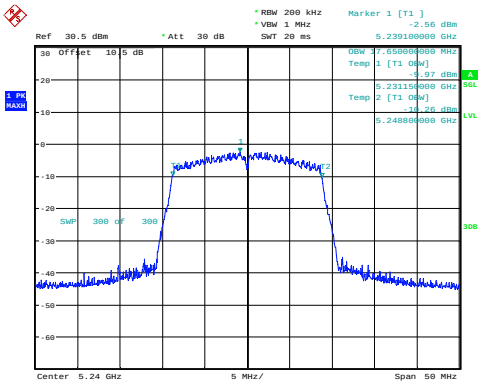
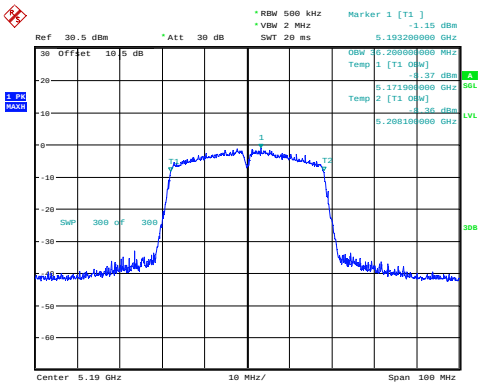
Date: 28.MAR.2025 10:27:06

802.11n20_5240MHz



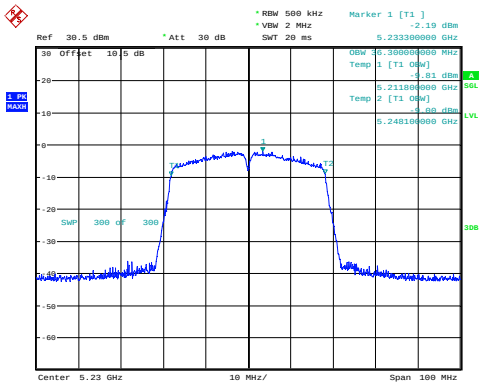
ProjectNo.:2403A45479E-RF Tester:Lingling Li
Date: 28.MAR.2025 10:30:29

802.11n40_5190MHz



ProjectNo.:2403A45479E-RF Tester:Lingling Li
Date: 28.MAR.2025 10:33:32

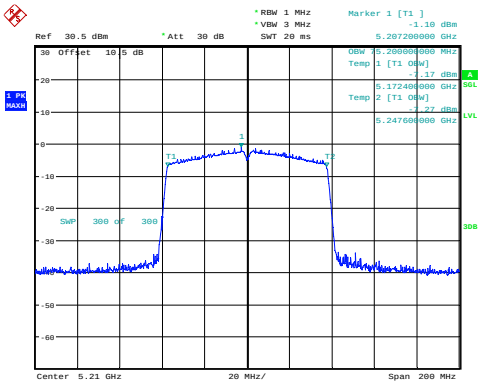
802.11n40_5230MHz



ProjectNo.:2403A45479E-RF Tester:Lingling Li
Date: 28.MAR.2025 10:36:47

5725-5850MHz

802.11ac80_5210MHz



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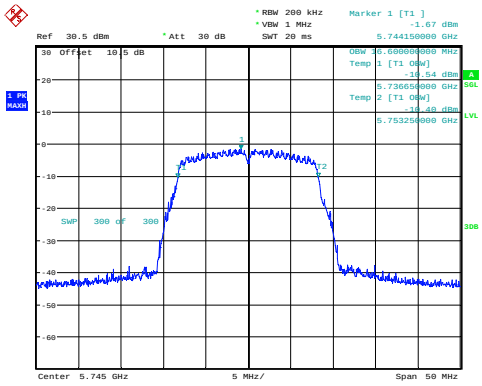
Date: 28.MAR.2025 10:39:50

802.11a_5745MHz



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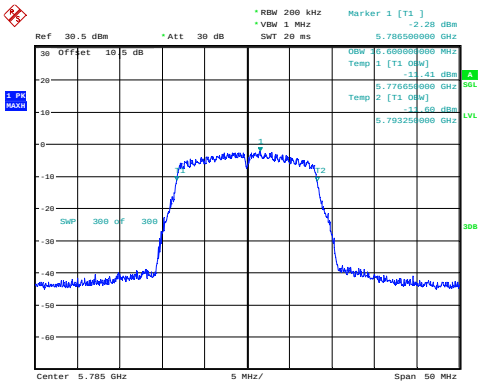
Date: 28.MAR.2025 10:42:53

802.11a_5785MHz



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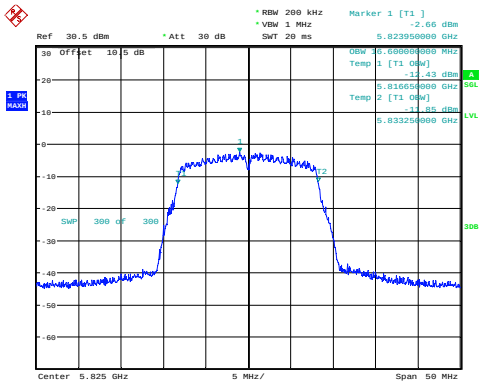
Date: 28.MAR.2025 10:45:31

802.11a_5825MHz



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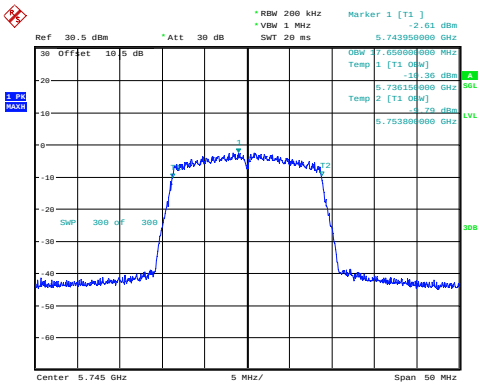
Date: 28.MAR.2025 10:48:15

802.11n20_5745MHz



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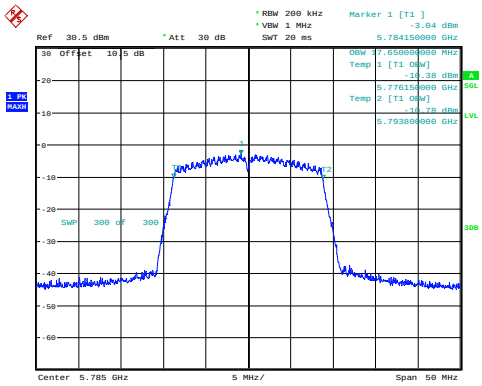
Date: 28.MAR.2025 10:51:22

802.11n20_5785MHz



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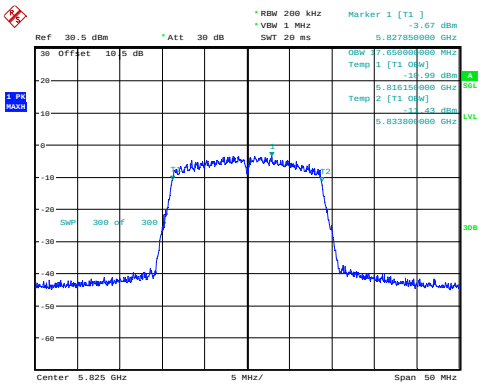
Date: 28.MAR.2025 10:53:47

802.11n20_5825MHz



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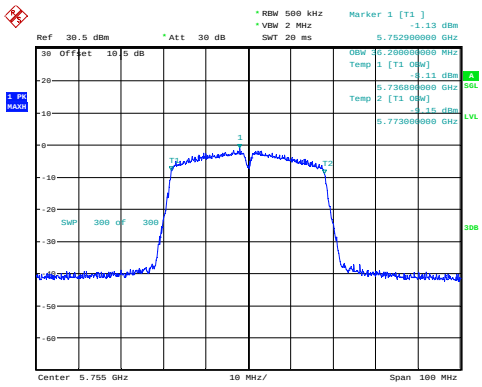
Date: 28.MAR.2025 10:56:15

802.11n40_5755MHz



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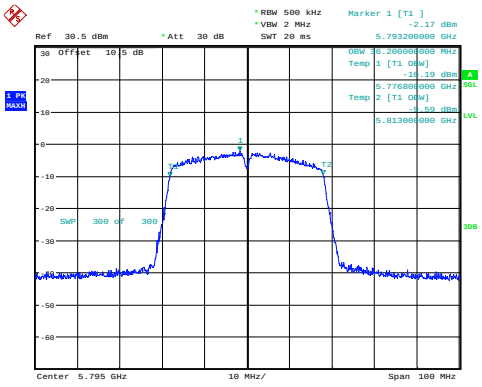
Date: 28.MAR.2025 10:59:34

802.11n40_5795MHz



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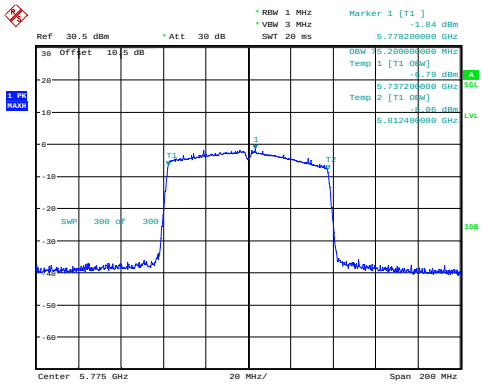
Date: 28.MAR.2025 11:03:18

802.11ac80_5775MHz



ProjectNo.:2403A45479E-RF Tester:Lingling Li
Date: 28.MAR.2025 11:06:55

4.5 Maximum Conducted Output Power

Test Information:

Sample No.:	2W1V-1	**Test Date:**	2025/3/28
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Lingling Li	**Test Result:**	Pass

Environmental Conditions:

Temperature: (°C)	25.8	**Relative Humidity: (%)**	55	**ATM Pressure: (kPa)**	101.4

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Agilent	USB Average Power Sensor	U2001H	MY50000432	2024/04/01	2025/03/31
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060302	Each time	N/A
zhuoxiang	Coaxial Cable	SMA-178	211003	Each time	N/A

** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Data:

5150-5250MHz

Mode	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11a	5180	7.1	24	Pass
	5200	7.35	24	Pass
	5240	6.83	24	Pass
802.11n20	5180	5.95	24	Pass
	5200	6.16	24	Pass
	5240	6.39	24	Pass
802.11n40	5190	6.22	24	Pass
	5230	5.8	24	Pass
802.11ac80	5210	5.52	24	Pass

Note: The device is a client device.

5725-5850MHz

Mode	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11a	5745	7.69	30	Pass
	5785	6.78	30	Pass
	5825	6.19	30	Pass
802.11n20	5745	6.69	30	Pass
	5785	6.15	30	Pass
	5825	5.67	30	Pass
802.11n40	5755	6.17	30	Pass
	5795	5.48	30	Pass
802.11ac80	5775	5.6	30	Pass

4.6 Power Spectral Density

Test Information:

Sample No.:	2W1V-1	**Test Date:**	2025/3/28
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Lingling Li	**Test Result:**	Pass

Environmental Conditions:

Temperature: (°C)	25.8	**Relative Humidity: (%)**	55	**ATM Pressure: (kPa)**	101.4

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU26	200256	2024/04/01	2025/03/31
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060302	Each time	N/A
zhuoxiang	Coaxial Cable	SMA-178	211003	Each time	N/A

** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Data:

5150-5250MHz

Mode	Test Frequency (MHz)	Reading (dBm/MHz)	Duty Cycle Factor(dB)	Result (dBm/MHz)	Limit (dBm/MHz)	Verdict
802.11a	5180	-3.10	0	-3.10	11	Pass
	5200	-2.83	0	-2.83	11	Pass
	5240	-3.29	0	-3.29	11	Pass
802.11n20	5180	-4.45	0	-4.45	11	Pass
	5200	-4.20	0	-4.20	11	Pass
	5240	-3.93	0	-3.93	11	Pass
802.11n40	5190	-6.88	0	-6.88	11	Pass
	5230	-7.40	0	-7.40	11	Pass
802.11ac80	5210	-10.95	0	-10.95	11	Pass

Note: The device is a client device.

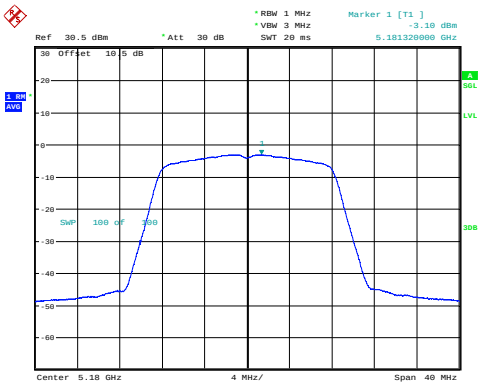
5725-5850MHz

Mode	Test Frequency (MHz)	Reading (dBm/500kHz)	Duty Cycle Factor(dB)	Result (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
802.11a	5745	-5.48	0	-5.48	30	Pass
	5785	-6.43	0	-6.43	30	Pass
	5825	-6.94	0	-6.94	30	Pass
802.11n20	5745	-6.74	0	-6.74	30	Pass
	5785	-7.22	0	-7.22	30	Pass
	5825	-7.69	0	-7.69	30	Pass
802.11n40	5755	-10.08	0	-10.08	30	Pass
	5795	-10.87	0	-10.87	30	Pass
802.11ac80	5775	-14.04	0	-14.04	30	Pass

Result = Reading + Duty Cycle Factor

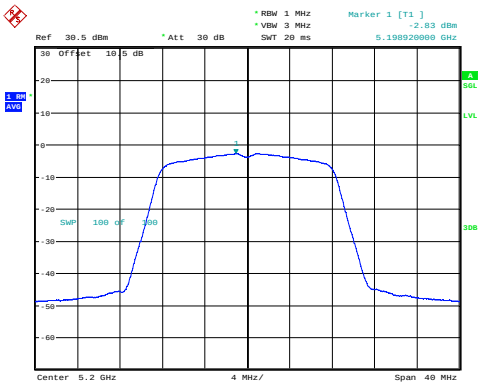
5150-5250MHz

802.11a_5180MHz



ProjectNo.:2403A45479E-RF Tester:Lingling Li
Date: 28.MAR.2025 10:11:16

802.11a_5200MHz



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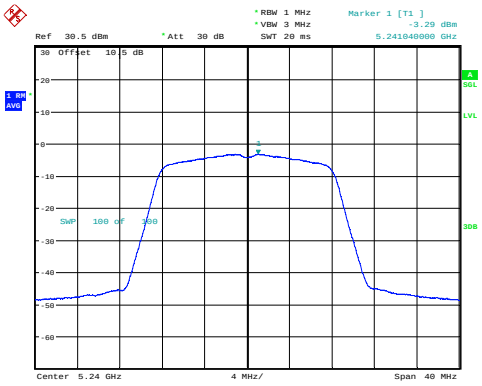
Date: 28.MAR.2025 10:17:41

802.11a_5240MHz



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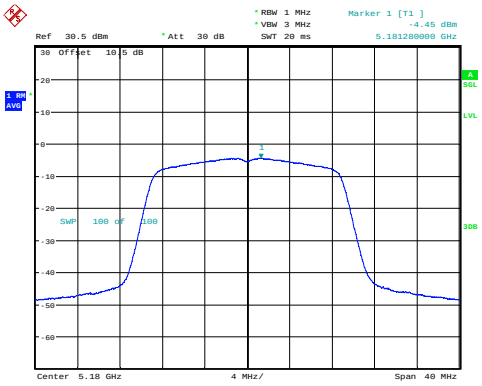
Date: 28.MAR.2025 10:21:04

802.11n20_5180MHz



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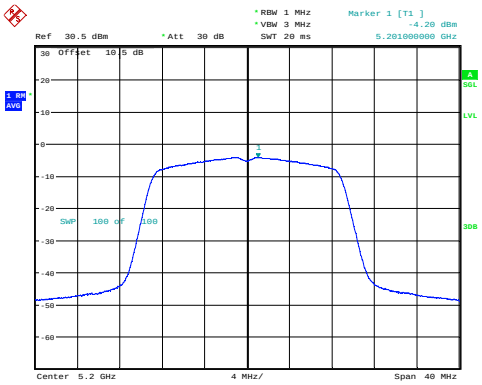
Date: 28.MAR.2025 10:24:24

802.11n20_5200MHz



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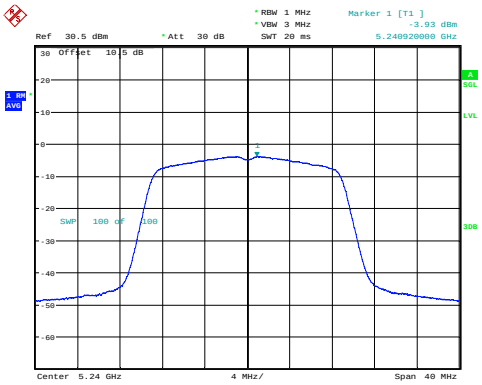
Date: 28.MAR.2025 10:27:50

802.11n20_5240MHz



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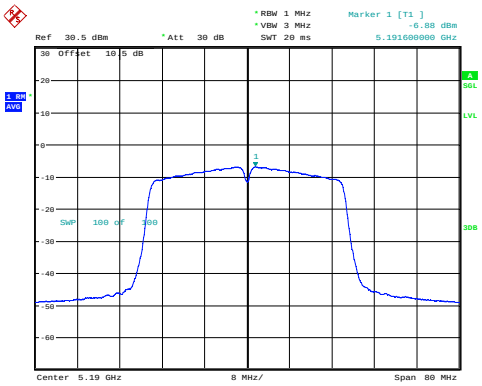
Date: 28.MAR.2025 10:31:17

802.11n40_5190MHz



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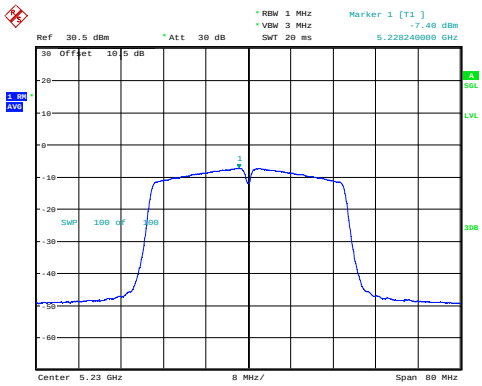
Date: 28.MAR.2025 10:34:19

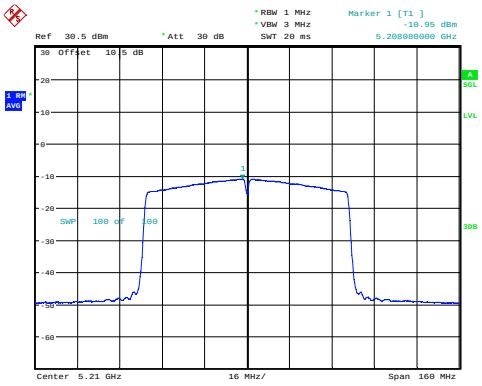
802.11n40_5230MHz



ProjectNo.:2403A45479E-RF Tester:Lingling Li
Date: 28.MAR.2025 10:37:36

5725-5850MHz

802.11ac80_5210MHz



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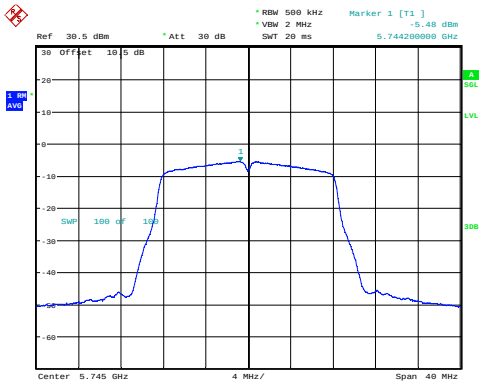
Date: 28.MAR.2025 10:40:53

802.11a_5745MHz



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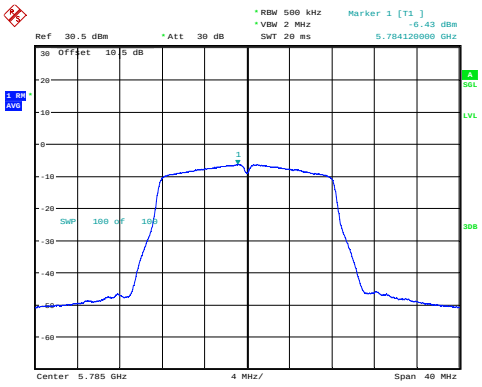
Date: 28.MAR.2025 10:43:38

802.11a_5785MHz



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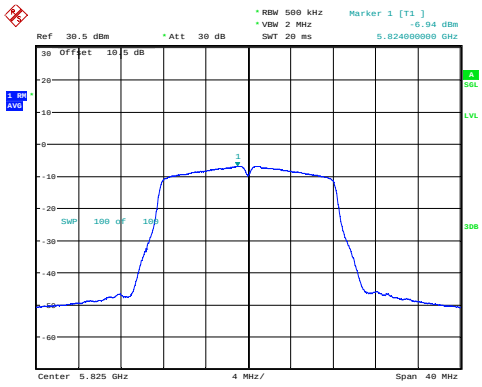
Date: 28.MAR.2025 10:46:24

802.11a_5825MHz



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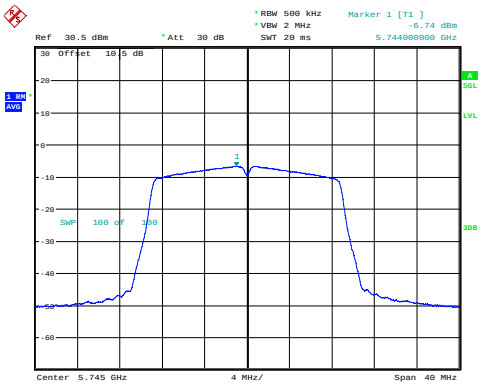
Date: 28.MAR.2025 10:49:05

802.11n20_5745MHz



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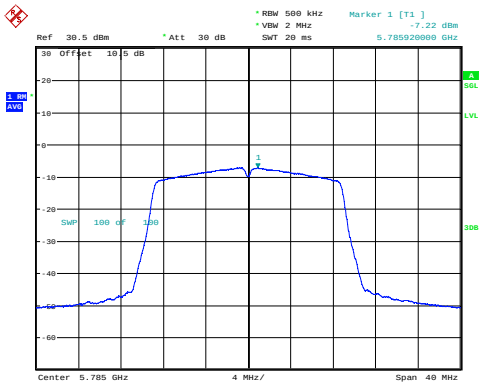
Date: 28.MAR.2025 10:52:06

802.11n20_5785MHz



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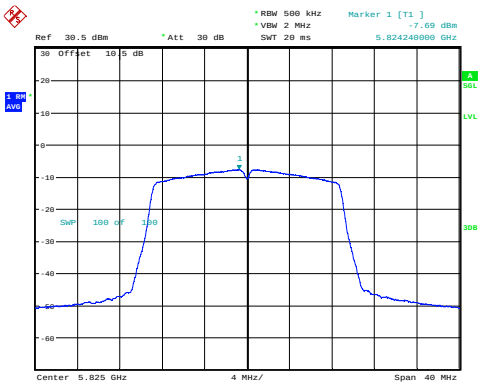
Date: 28.MAR.2025 10:54:33

802.11n20_5825MHz



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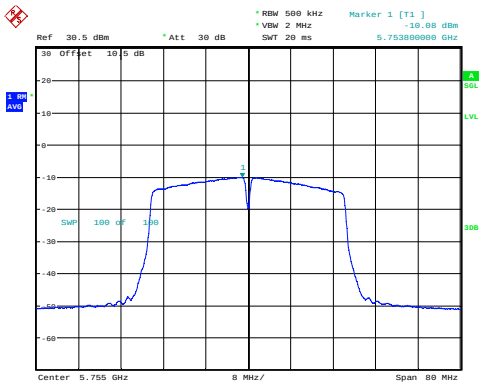
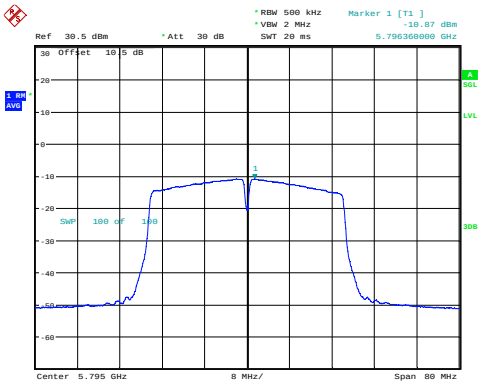
Date: 28.MAR.2025 10:57:00

802.11n40_5755MHz



ProjectNo.:2403A45479E-RF Tester:Lingling Li
Date: 28.MAR.2025 11:00:32

802.11n40_5795MHz



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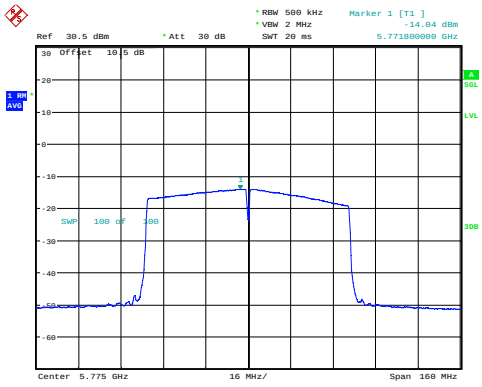
Date: 28.MAR.2025 11:04:06

802.11ac80_5775MHz



ProjectNo.:2403A45479E-RF Tester:Lingling Li
Date: 28.MAR.2025 11:07:51

4.7 Duty Cycle

Test Information:

Sample No.:	2W1V-1	**Test Date:**	2025/3/28
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Lingling Li	**Test Result:**	N/A

Environmental Conditions:

Temperature: (°C)	25.8	**Relative Humidity: (%)**	55	**ATM Pressure: (kPa)**	101.4

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU26	200256	2024/04/01	2025/03/31
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060302	Each time	N/A
zhuoxiang	Coaxial Cable	SMA-178	211003	Each time	N/A

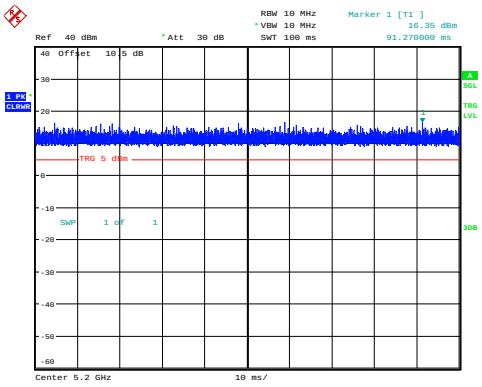
** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Data:

Mode	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11a	5200	100	100	100	0	NA	0.010
802.11n20	5200	100	100	100	0	NA	0.010
802.11n40	5190	100	100	100	0	NA	0.010
802.11ac80	5210	100	100	100	0	NA	0.010

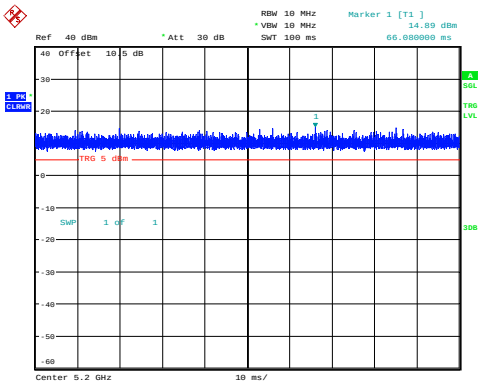
Duty Cycle = Ton/(Ton+Toff)*100%

802.11a_5200MHz



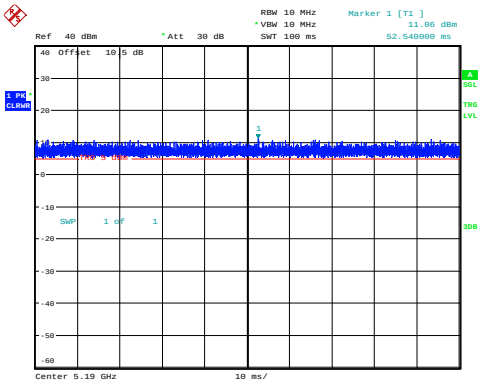
ProjectNo.:2403A45479E-RF Tester:Lingling Li
Date: 28.MAR.2025 10:00:41

802.11n20_5200MHz



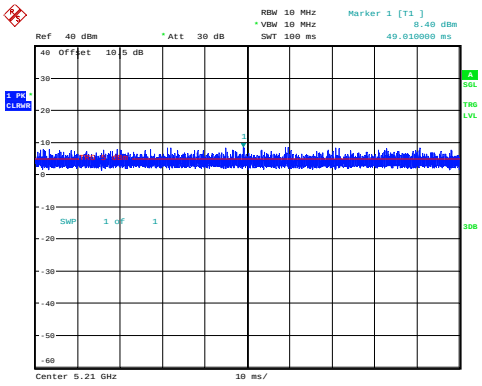
ProjectNo.:2403A45479E-RF Tester:Lingling Li
Date: 28.MAR.2025 10:01:36

802.11n40_5190MHz



ProjectNo.:2403A45479E-RF Tester:Lingling Li
Date: 28.MAR.2025 10:02:12

802.11ac80_5210MHz



ProjectNo.:2403A45479E-RF Tester:Lingling Li
Date: 28.MAR.2025 10:03:03

5. EUT PHOTOGRAPHS

Please refer to the attachment 2403A45479E-RF-EXP EUT EXTERNAL PHOTOGRAPHS and 2403A45479E-RF-INP EUT INTERNAL PHOTOGRAPHS

6. TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2403A45479E-RF-00D-TSP TEST SETUP PHOTOGRAPHS.

===== END OF REPORT =====