



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



TEST REPORT

Applicant: Hinovision Solutions, LLC

Address: 701 E Plano Pkwy STE 100 Plano, Texas 75074 United States

FCC ID: 2BVIN-IOT-W306S

Product Name: Wireless Bridge

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: 2603S14259E-RF-00A

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Test Facility

The Test site used by China Certification ICT Co., Ltd (Dongguan) to collect test data is located on the Room 101 & 201, Building 2, 256 Pingdong Road, Dalang Town, Dongguan City, 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.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0123.

Declarations

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

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
1.0	2603S14259E-RF-00A	Original Report	2026/6/26

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

1.1.1 General

EUT Name:	Wireless Bridge
EUT Model:	IOT-W306S
Trade Name:	LINOVISION
Operation Frequency:	Band 1: 5180-5240 MHz (802.11a/n ht20) 5190-5230 MHz (802.11n ht40) Band 4: 5745-5825 MHz (802.11a/n ht20) 5755-5795 MHz (802.11n ht40)
Maximum Average Conducted Output Power:	15.12 dBm in 5150-5250 MHz Band 13.8 dBm in 5725-5850 MHz Band
Modulation Type:	802.11a/n: OFDM-BPSK, QPSK, 16QAM, 64QAM
Rated Input Voltage:	DC 12V from Adapter or DC 48V from PoE
Sample Number:	3KAR-3 (for RF Conducted Test) 3KAR-1 (for Conducted emissions & Radiated Spurious Emissions Test)
EUT Received Date:	2026/4/21
EUT Received Status:	Good

1.1.2 Operation Frequency Detail

For 802.11a/n ht20:

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:

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

1.1.3 Antenna Information Detail ▲

Antenna	Antenna Type	Input impedance (Ohm)	Frequency Range	Antenna Gain (dBi)
ANT1(Chain 0)	PCB	50	5.15~5.25 GHz	8.78
			5.725~5.85 GHz	7.56
ANT2(Chain 1)	PCB	50	5.15~5.25 GHz	6.09
			5.725~5.85 GHz	3.83

Note:

The system supports 2T2R MIMO CDD modes at 802.11n modes.

Per KDB 662911 D01 Multiple Transmitter Output v02r01:

For power measurements:

Array Gain = 0 dB (i.e., no array gain) for NANT ≤ 4

5150-5250MHz Band directional gain = 8.78dBi + 0dB = 8.78 dBi

5725-5850MHz Band directional gain = 7.56dBi + 0dB = 7.56 dBi

For power spectral density (PSD) measurements:

Array Gain = 10 log(NANT/NSS) dB.

5150-5250MHz Band directional gain = 8.78 dBi + 3dB = 11.78 dBi

5725-5850MHz Band directional gain = 7.56 dBi + 3dB = 10.56 dBi

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	Parameters
AC/DC ADAPTER	Dongguan Shixunjia Industial Co., Ltd	LD-1224GS	Input:110-240V 50-60Hz 0.6A Output:12V-2A

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. Per 15B report test, conducted emission test and radiated emissions below 1GHz test with adapter was the worst.				
Equipment Modifications:	No				
EUT Exercise Software:	ART2-GUI				
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	
				Chain 0	Chain 1
802.11a	Lowest	5180	6Mbps	15	15
	Middle	5200	6Mbps	15	15
	Highest	5240	6Mbps	15	15
802.11n ht20	Lowest	5180	MCS0	15	15
	Middle	5200	MCS0	15	15
	Highest	5240	MCS0	15	15
802.11n ht40	Lowest	5190	MCS0	15	15
	Highest	5230	MCS0	15	15
5725-5850 MHz Band:					
Test Modes	Test Channels	Test Frequency (MHz)	Data rate	Power Level Setting	
				Chain 0	Chain 1
802.11a	Lowest	5745	6Mbps	15	15
	Middle	5785	6Mbps	15	15
	Highest	5825	6Mbps	15	15
802.11n ht20	Lowest	5745	MCS0	15	15
	Middle	5785	MCS0	15	15
	Highest	5825	MCS0	15	15
802.11n ht40	Lowest	5755	MCS0	15	15
	Highest	5795	MCS0	15	15

Note:
1. The system support 802.11a/n ht20/n ht40 mode.
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.
3. The device supports SISO in all modes and MIMO in 802.11n modes, per pretest, MIMO mode was the worst mode and reported for 802.11n modes.

1.2.2 Support Equipment List and Details

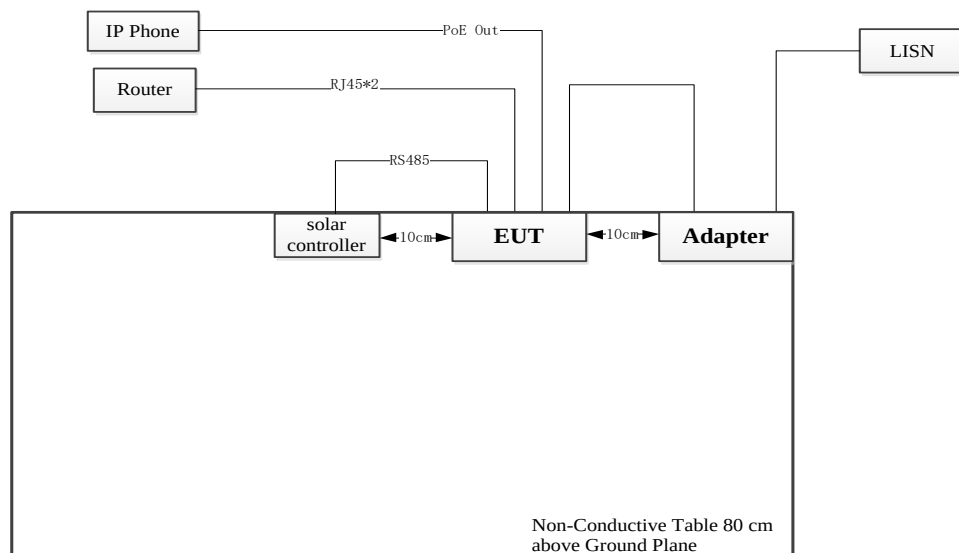
Manufacturer	Description	Model	Serial Number
Unknown	Solar Controller	PMC-20A	Unknown
HuaWei	Router	DU8245W	21530355077SH3000183
FLYINGVOICE	IP Phone	P10G	FLY14823200197

1.2.3 Support Cable List and Details

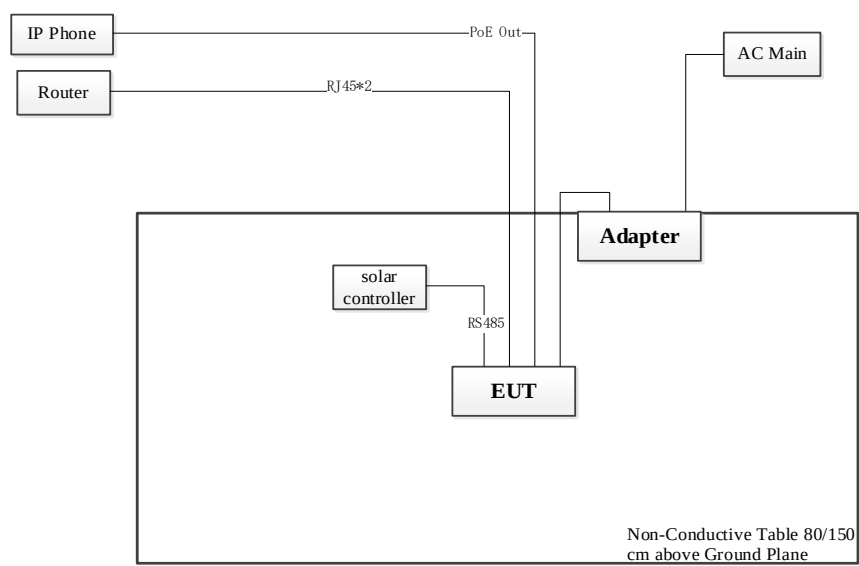
Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
RJ45 Cable	No	No	1.5	EUT	IP Phone
RJ45 Cable*2	No	No	1.5	EUT	Router
RS485 Cable	No	No	0.2	EUT	Solar Controller

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: 4.12 dB, 30M~200MHz: 3.89 dB, 200M~1GHz: 5.09 dB, 1G~6GHz: 5.12 dB, 6G~18GHz: 5.73 dB, 18G~26.5G: 5.47 dB, 26.5G~40G: 5.63 dB
Unwanted Emissions, conducted	±1.26 dB
Temperature	±1 °C
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
FCC §15.407 (i) & §1.1307	RF Exposure Evaluation	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 μ H/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.

Frequency of emission (MHz)	Conducted limit (dB μ V)	
	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:

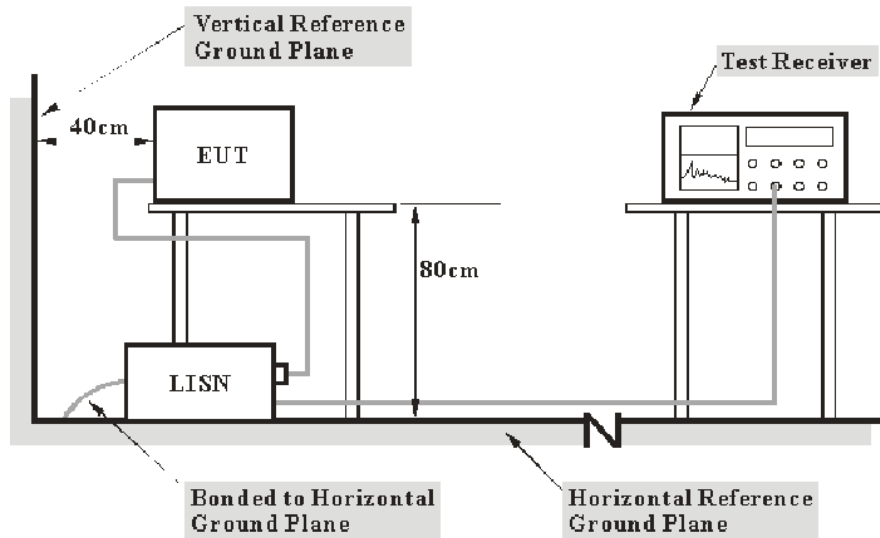
(1) For carrier current system containing their fundamental emission within the frequency band 535-1705 kHz and intended to be received using a standard AM broadcast receiver: no limit on conducted emissions.

(2) For all other carrier current systems: 1000 μ V within the frequency band 535-1705 kHz, as measured using a 50 μ H/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, obtaining 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.

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

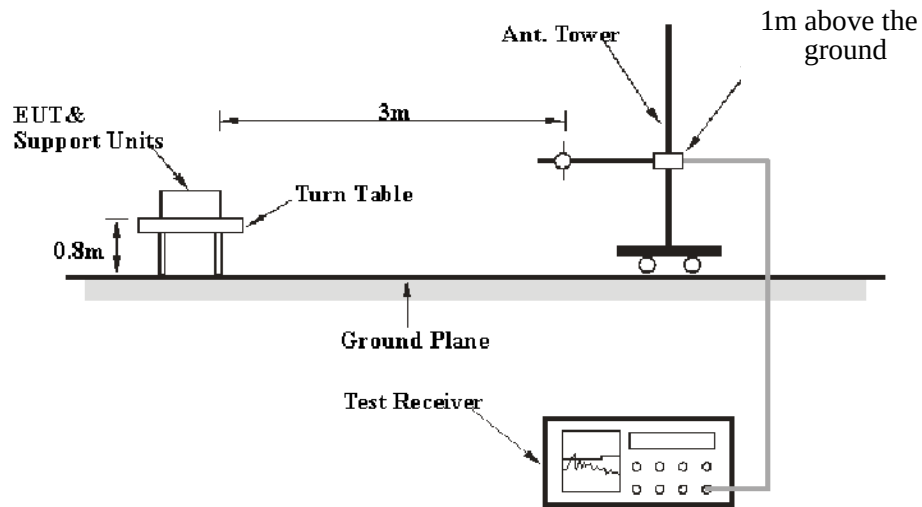
FCC §15.407 (b)

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:

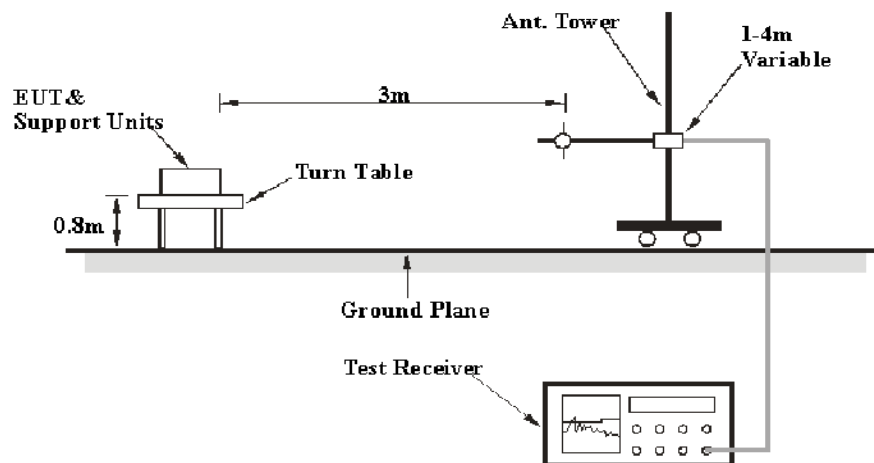
- (1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (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

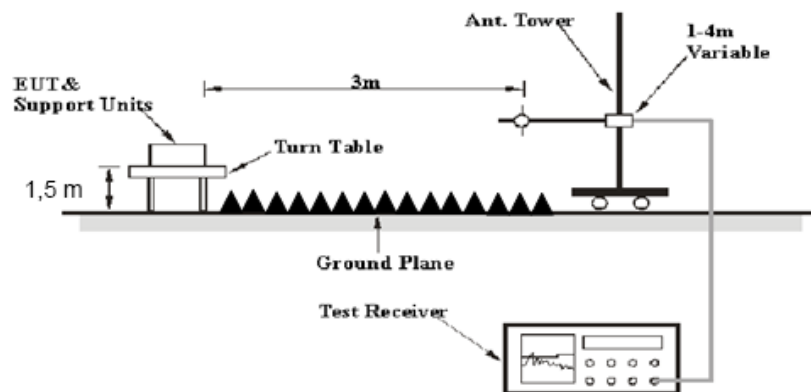
9kHz - 30MHz:

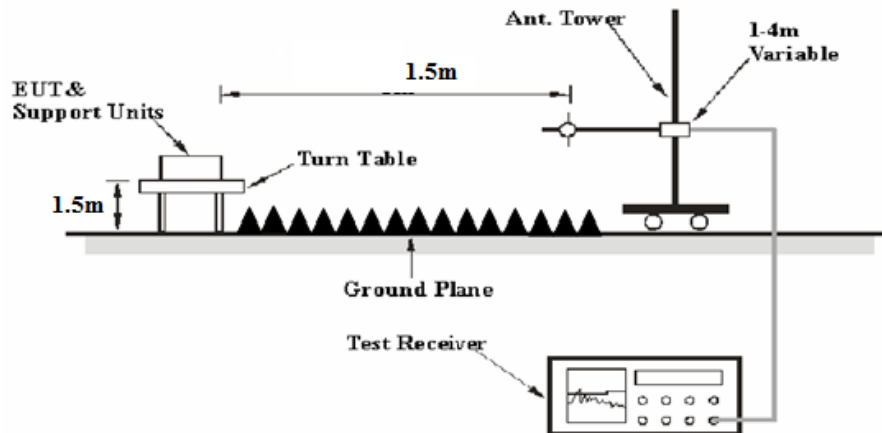


30MHz - 1GHz:



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.

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	200 Hz	1 kHz	/	Peak	PK
	/	/	200 Hz	Quasi Peak/ Average	QP/AV
150 kHz – 30 MHz	9 kHz	30 kHz	/	Peak	PK
	/	/	9 kHz	Quasi Peak/ Average	QP/AV
30MHz – 1000 MHz	120 kHz	500 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	$\geq 1/T$, 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	$\geq 1/T$	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

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: $E [dB\mu V/m] = EIRP[dBm] + 95.2$, 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 = $20 \log (\text{specific distance } [3m] / \text{test distance } [1.5m])$ 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

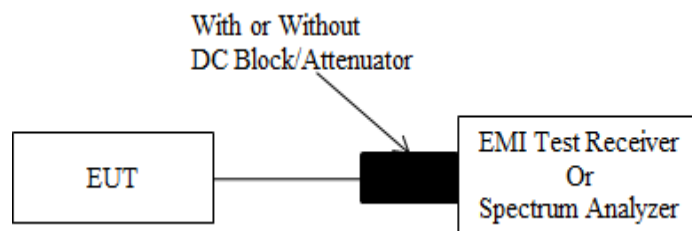
FCC §15.407 (a), (h)

(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

- Set RBW = shall be in the range of 1% to 5% of the emission bandwidth.
- Set the VBW > RBW.
- Detector = peak.
- Trace mode = max-hold.
- 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

- Set RBW = 100 kHz.
- Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
- Detector = Peak.
- Trace mode = max-hold.
- Sweep = No faster than coupled (auto) time.
- Allow the trace to stabilize.
- 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)(i)

For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 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. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

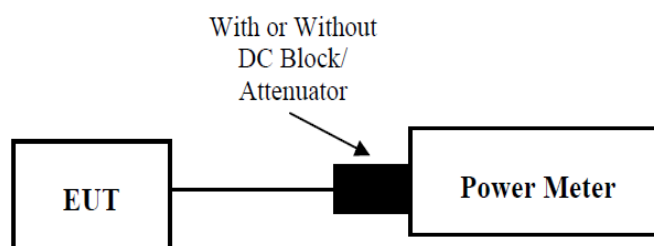
FCC §15.407(a) (2)

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 $11 \text{ dBm} + 10 \log B$, 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)(i)

For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 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. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

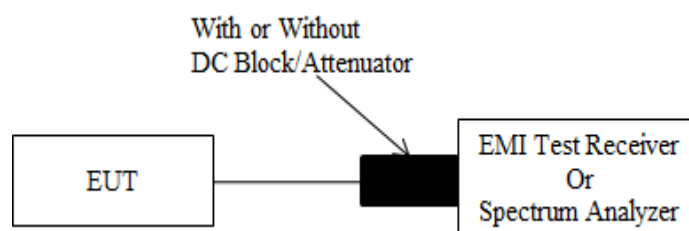
FCC §15.407(a) (2)

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 $11 \text{ dBm} + 10 \log B$, 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 $\geq 98\%$

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 $\pm 2\%$

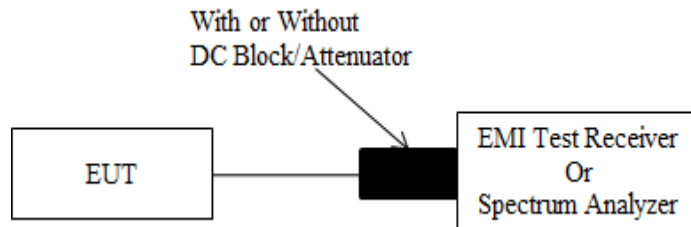
KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-2 should be applied.

Duty cycle $< 98\%$, duty cycle variations exceed $\pm 2\%$

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 $RBW \geq EBW$ if possible; otherwise, set RBW to the largest available value.
- iii) Set $VBW \geq RBW$.
- 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 $T \leq 16.7\mu s$.

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:	3KAR-1	Test Date:	2026/4/30
Test Site:	CE	Test Mode:	Transmitting (maximum conducted output power mode, 802.11n20 5180MHz)
Tester:	Ella Huang	Test Result:	Pass

Environmental Conditions:

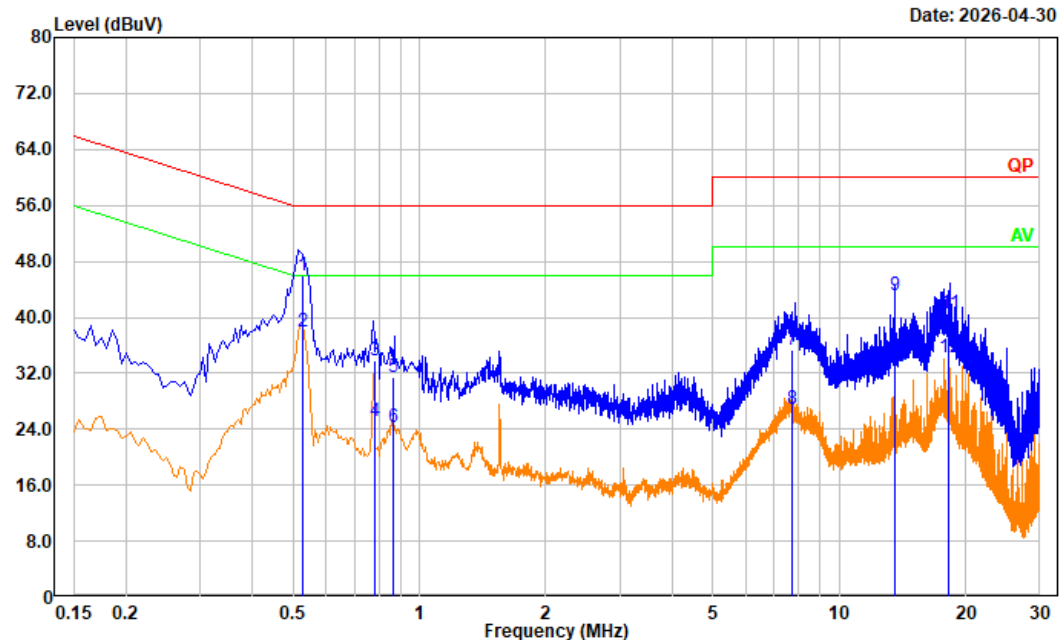
Temperature: (°C)	24.4	Relative Humidity: (%)	48	ATM Pressure: (kPa)	101
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	LISN	ENV216	101132	2025/9/26	2026/9/25
R&S	EMI Test Receiver	ESR3	103104	2025/5/9	2026/5/8
MICRO-COAX	Coaxial Cable	UTIFLEX	C-0200-01	2025/11/10	2026/11/9
Audix	Test Software	E3	191218 (V9)	N/A	N/A

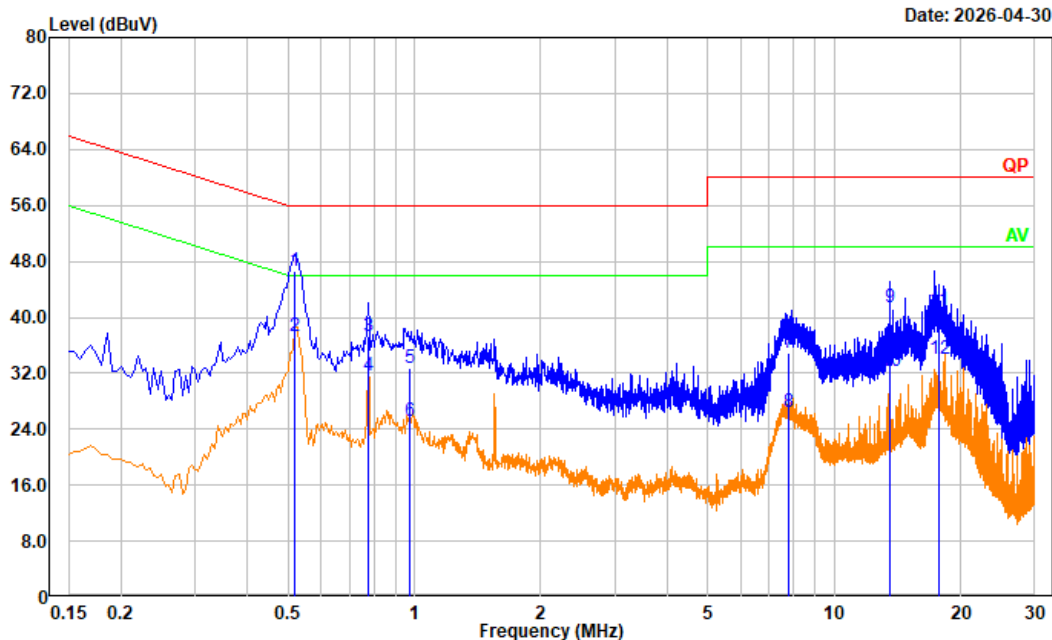
* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Project No.: 2603S14259E-RF
 Tester: Ella Huang
 Port: Line
 Condition: RBW:9kHz
 Test Mode: Transmitting
 Note:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.527	35.58	10.40	45.98	56.00	10.02	QP
2	0.527	27.64	10.40	38.04	46.00	7.96	Average
3	0.786	23.50	10.37	33.87	56.00	22.13	QP
4	0.786	14.80	10.37	25.17	46.00	20.83	Average
5	0.864	20.99	10.42	31.41	56.00	24.59	QP
6	0.864	13.96	10.42	24.38	46.00	21.62	Average
7	7.742	24.86	10.50	35.36	60.00	24.64	QP
8	7.742	16.31	10.50	26.81	50.00	23.19	Average
9	13.560	33.03	10.17	43.20	60.00	16.80	QP
10	13.560	22.80	10.17	32.97	50.00	17.03	Average
11	18.242	30.63	9.82	40.45	60.00	19.55	QP
12	18.242	24.46	9.82	34.28	50.00	15.72	Average

Project No.: 2603S14259E-RF
 Tester: Ella Huang
 Port: neutral
 Condition: RBW:9kHz
 Test Mode: Transmitting
 Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.519	36.44	10.12	46.56	56.00	9.44	QP
2	0.519	27.08	10.12	37.20	46.00	8.80	Average
3	0.776	27.14	10.24	37.38	56.00	18.62	QP
4	0.776	21.41	10.24	31.65	46.00	14.35	Average
5	0.975	22.51	10.31	32.82	56.00	23.18	QP
6	0.975	14.78	10.31	25.09	46.00	20.91	Average
7	7.786	24.58	10.38	34.96	60.00	25.04	QP
8	7.786	16.14	10.38	26.52	50.00	23.48	Average
9	13.559	31.45	10.03	41.48	60.00	18.52	QP
10	13.559	22.22	10.03	32.25	50.00	17.75	Average
11	17.692	30.84	10.12	40.96	60.00	19.04	QP
12	17.692	23.90	10.12	34.02	50.00	15.98	Average

4.2 Radiation Spurious Emissions

4.2.1 9 kHz – 1 GHz

Sample Number:	3KAR-1	Test Date:	2026/5/7
Test Site:	966-1	Test Mode:	Transmitting(maximum conducted output power mode, 802.11n20 5180MHz)
Tester:	Jin He	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	25.7	Relative Humidity: (%)	59	ATM Pressure: (kPa)	100.6
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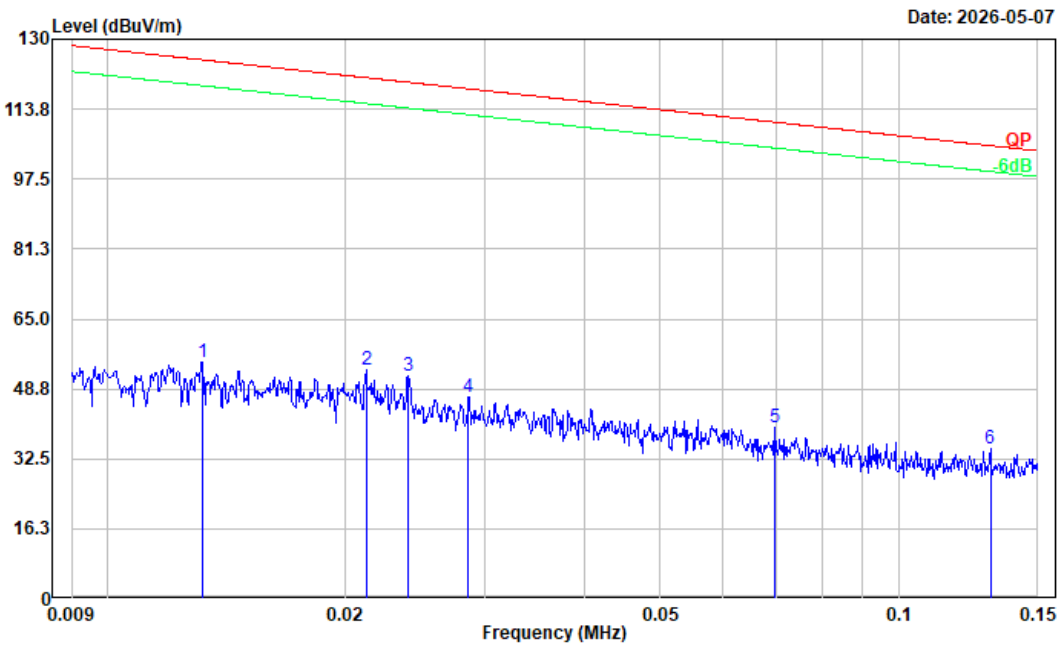
Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Sunol Sciences	Antenna	JB6	A082520-5	2023/12/1	2026/11/30
GLOBAL	Loop Antenna	1313-1A	3110611	2026/1/29	2029/1/28
Daruikang	Coaxial Cable	BNC-JJ-RG58	C-0300-01	2025/11/10	2026/11/9
Daruikang	Coaxial Cable	BNC-JJ-RG58	C-0500-01	2025/11/10	2026/11/9
R&S	EMI Test Receiver	ESR3	102724	2026/2/27	2027/2/26
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0100-03	2025/11/10	2026/11/9
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0370-01	2025/11/10	2026/11/9
XQY	Coaxial Cable	XQY-CMR400UF-NJ-NJ-7M	24056379	2025/6/4	2026/6/3
Sonoma	Amplifier	310N	186165	2025/11/10	2026/11/9
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).

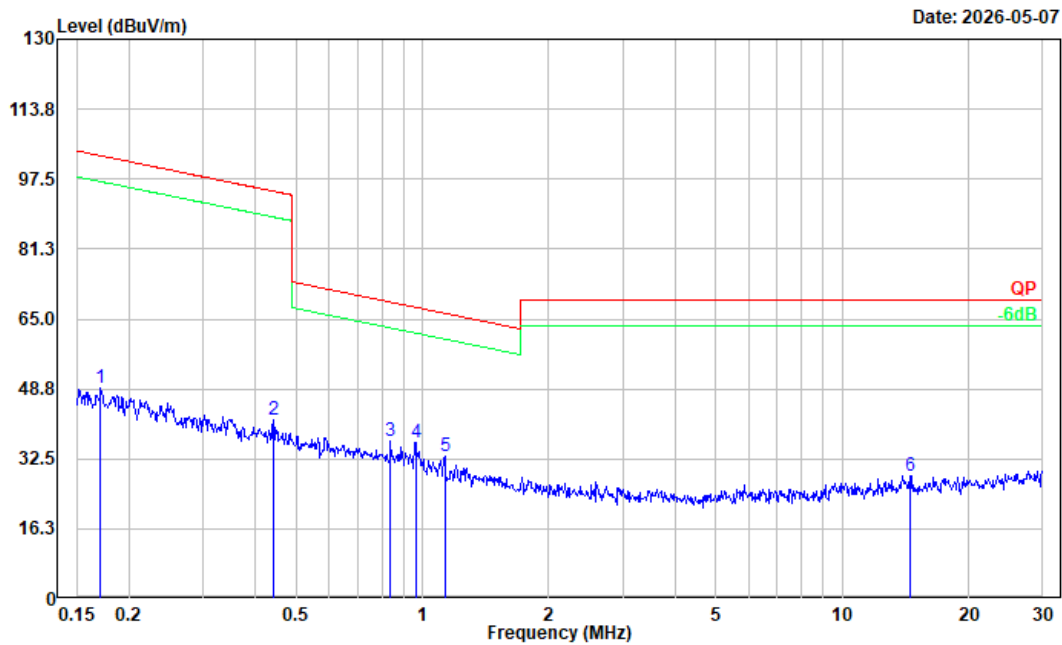
Test Data:

Project No.: 2603S14259E-RF
Tester: Jin He
Condition: RBW:0.2 kHz VBW:1 kHz
Polarization: Parallel
Note: Transmitting



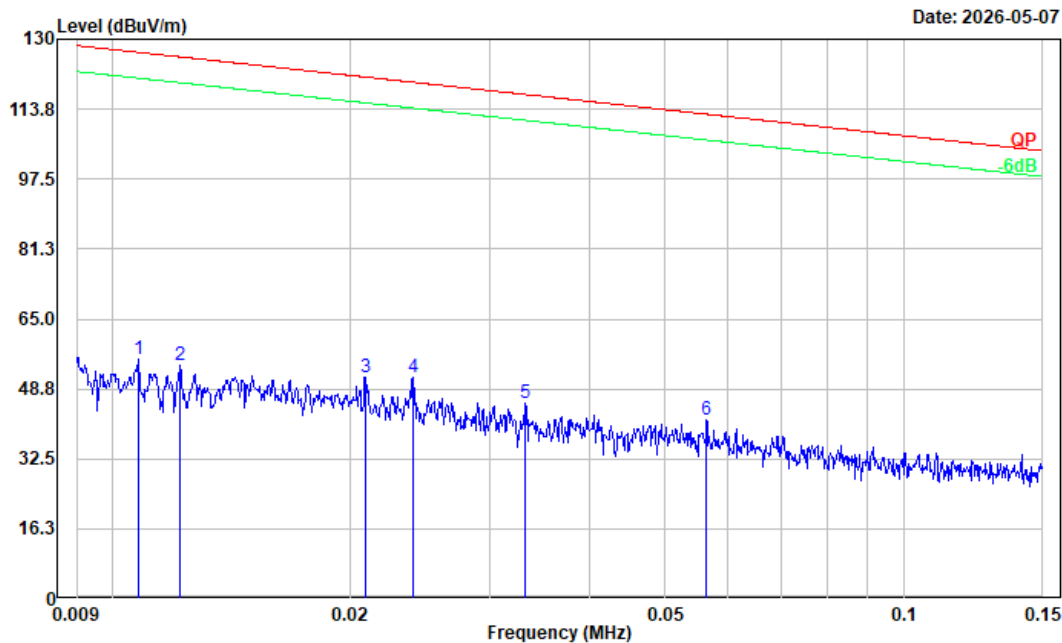
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	0.013	22.28	32.84	55.12	125.22	70.10	Peak
2	0.021	24.25	29.05	53.30	121.07	67.77	Peak
3	0.024	24.06	27.74	51.80	119.99	68.19	Peak
4	0.029	21.25	25.59	46.84	118.48	71.64	Peak
5	0.070	22.10	17.74	39.84	110.73	70.89	Peak
6	0.131	21.80	12.91	34.71	105.28	70.57	Peak

Project No.: 2603S14259E-RF
 Tester: Jin He
 Condition: RBW:9 kHz VBW:30 kHz
 Polarization: Parallel
 Note: Transmitting



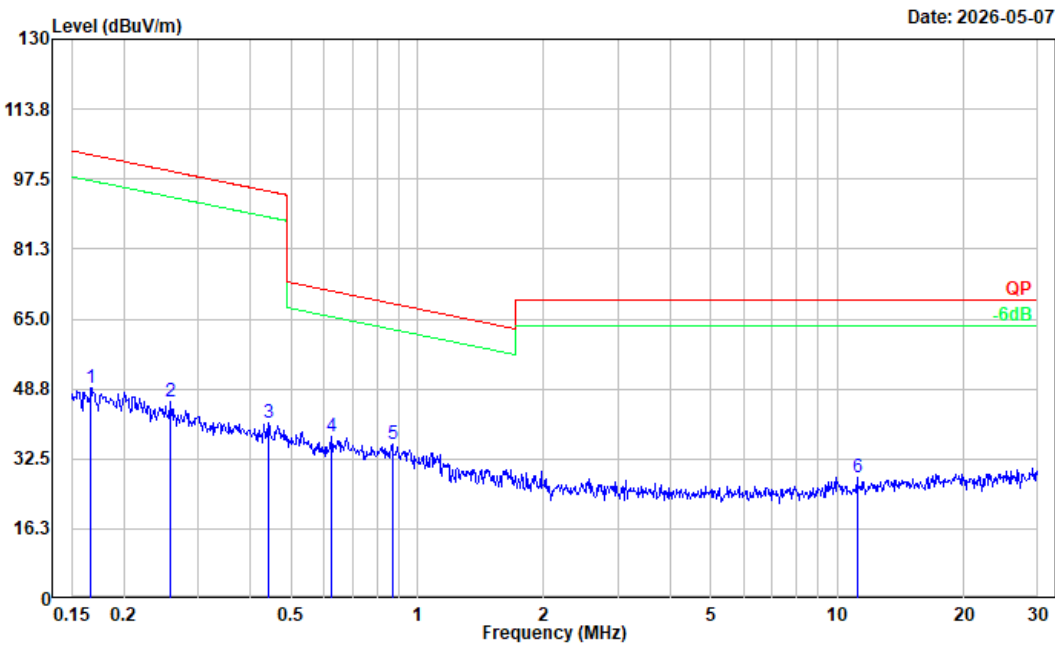
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	0.171	37.78	11.03	48.81	102.93	54.12	Peak
2	0.442	39.40	2.08	41.48	94.69	53.21	Peak
3	0.839	39.45	-2.82	36.63	69.03	32.40	Peak
4	0.963	40.28	-4.09	36.19	67.80	31.61	Peak
5	1.129	38.01	-4.87	33.14	66.39	33.25	Peak
6	14.517	36.37	-7.84	28.53	69.54	41.01	Peak

Project No.: 2603S14259E-RF
Tester: Jin He
Condition: RBW:0.2 kHz VBW:1 kHz
Polarization: Perpendicular
Note: Transmitting



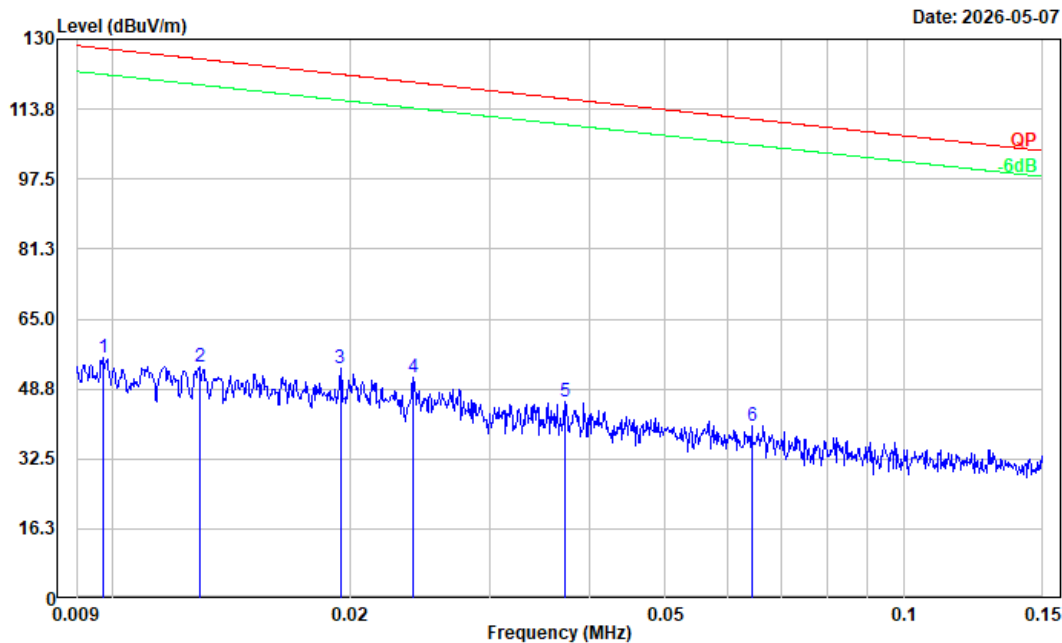
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	0.011	22.41	33.32	55.73	126.96	71.23	Peak
2	0.012	21.77	32.61	54.38	125.91	71.53	Peak
3	0.021	23.27	28.13	51.40	121.21	69.81	Peak
4	0.024	24.90	26.54	51.44	120.02	68.58	Peak
5	0.033	22.60	22.77	45.37	117.16	71.79	Peak
6	0.056	23.09	18.55	41.64	112.59	70.95	Peak

Project No.: 2603S14259E-RF
Tester: Jin He
Condition: RBW:9 kHz VBW:30 kHz
Polarization: Perpendicular
Note: Transmitting



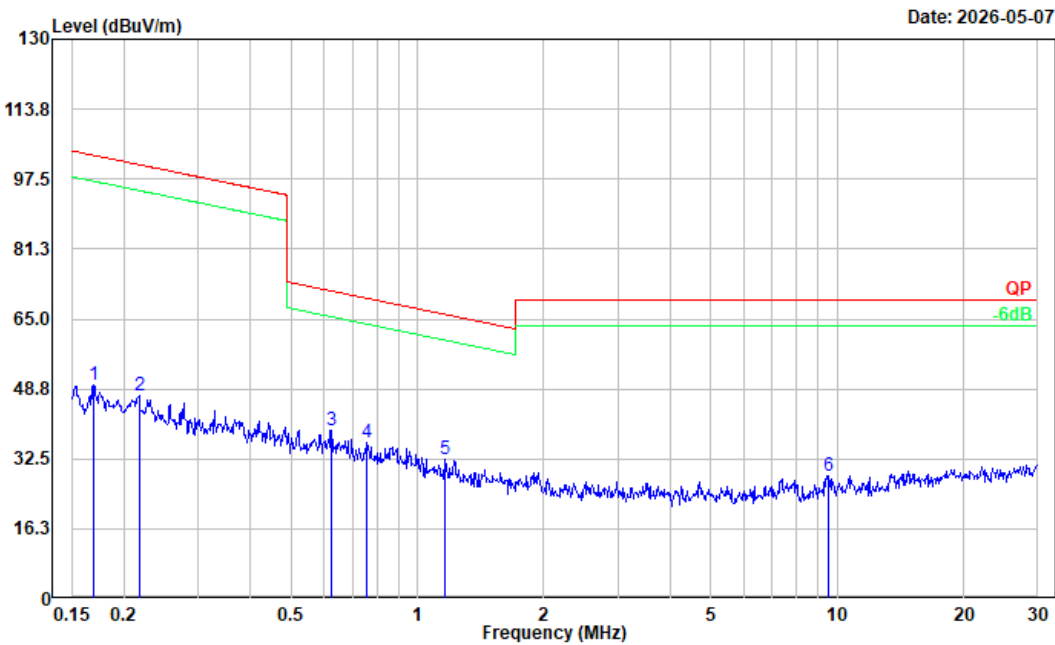
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	0.167	38.57	10.50	49.07	103.16	54.09	Peak
2	0.259	39.56	6.31	45.87	99.34	53.47	Peak
3	0.442	39.56	1.26	40.82	94.69	53.87	Peak
4	0.624	39.22	-1.47	37.75	71.66	33.91	Peak
5	0.871	40.16	-4.21	35.95	68.70	32.75	Peak
6	11.139	37.31	-9.07	28.24	69.54	41.30	Peak

Project No.: 2603S14259E-RF
Tester: Jin He
Condition: RBW:0.2 kHz VBW:1 kHz
Polarization: Ground-Parallel
Note: Transmitting



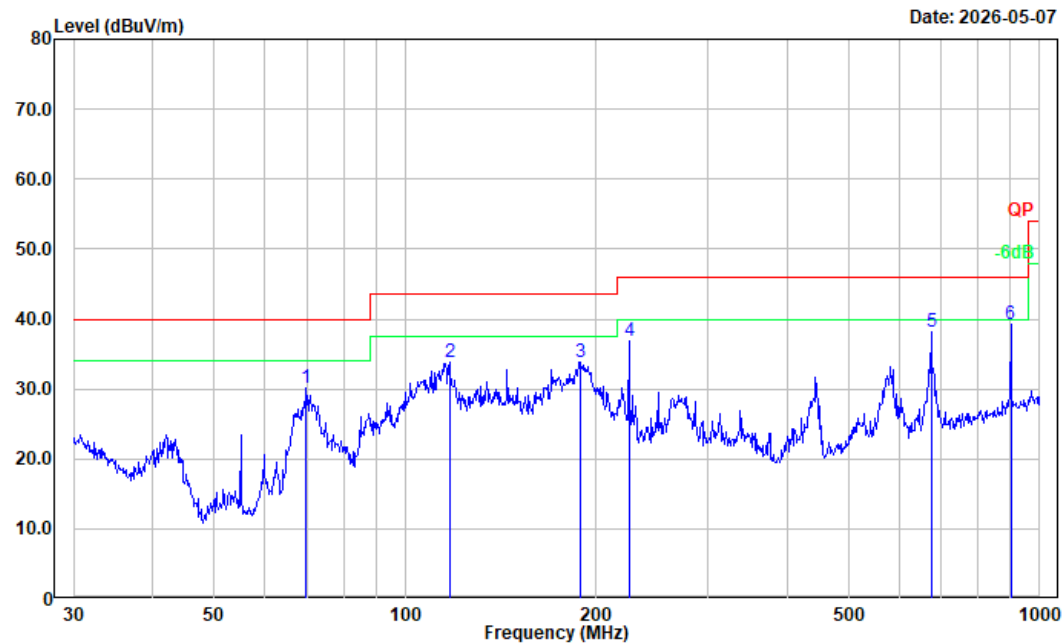
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	0.010	21.18	34.70	55.88	127.86	71.98	Peak
2	0.013	20.83	32.97	53.80	125.42	71.62	Peak
3	0.019	23.78	29.91	53.69	121.85	68.16	Peak
4	0.024	23.75	27.77	51.52	120.02	68.50	Peak
5	0.037	22.45	23.37	45.82	116.18	70.36	Peak
6	0.064	21.67	18.54	40.21	111.44	71.23	Peak

Project No.: 2603S14259E-RF
Tester: Jin He
Condition: RBW:9 kHz VBW:30 kHz
Polarization: Ground-Parallel
Note: Transmitting



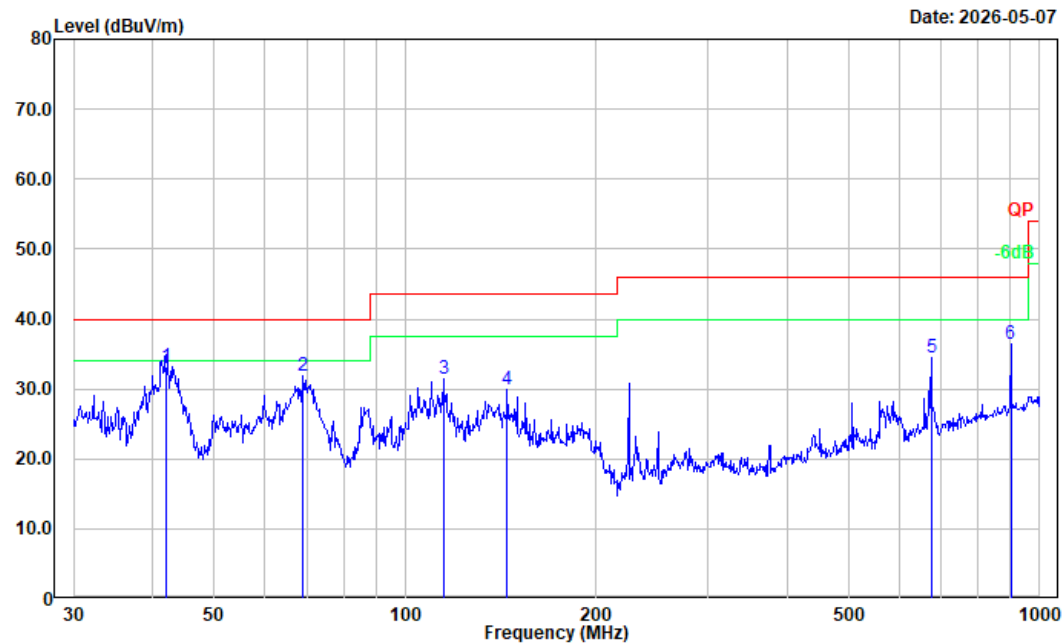
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	0.169	38.66	11.11	49.77	103.02	53.25	Peak
2	0.217	38.39	8.88	47.27	100.86	53.59	Peak
3	0.624	39.52	-0.49	39.03	71.66	32.63	Peak
4	0.759	38.20	-1.96	36.24	69.92	33.68	Peak
5	1.166	37.41	-4.98	32.43	66.11	33.68	Peak
6	9.552	37.15	-8.67	28.48	69.54	41.06	Peak

Project No.: 2603S14259E-RF
Tester: Jin He
Condition: RBW:120 kHz VBW:500 kHz
Polarization: horizontal
Note: Transmitting



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	69.845	47.21	-17.14	30.07	40.00	9.93	Peak
2	117.360	45.25	-11.45	33.80	43.50	9.70	Peak
3	189.074	47.54	-13.65	33.89	43.50	9.61	Peak
4	225.308	50.14	-13.34	36.80	46.00	9.20	Peak
5	675.208	41.36	-3.13	38.23	46.00	7.77	Peak
6	900.147	38.73	0.42	39.15	46.00	6.85	Peak

Project No.: 2603S14259E-RF
Tester: Jin He
Condition: RBW:120 kHz VBW:500 kHz
Polarization: vertical
Note: Transmitting



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	42.007	45.80	-12.67	33.13	40.00	6.87	QP
2	69.114	48.97	-17.14	31.83	40.00	8.17	Peak
3	114.917	42.95	-11.58	31.37	43.50	12.13	Peak
4	144.842	41.90	-12.00	29.90	43.50	13.60	Peak
5	675.208	37.67	-3.13	34.54	46.00	11.46	Peak
6	900.147	35.95	0.42	36.37	46.00	9.63	Peak

4.2.2 1 GHz – 40 GHz:

Sample Number	3KAR-1	Test Date:	2026/6/17
Test Site:	966-2	Test Mode:	Transmitting
Tester:	HuaYuan Miao	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	22.3	Relative Humidity: (%)	64	ATM Pressure: (kPa)	100.2
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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	2026/2/27	2027/2/26
MICRO-COAX	Coaxial Cable	UFA210A-1-1200-70U300	217423-008	2025/11/10	2026/11/9
MICRO-COAX	Coaxial Cable	UFA210A-1-2362-300300	235780-001	2025/11/10	2026/11/9
A.H	Pre-amplifier	PAM-0118P	628	2025/11/10	2026/11/9
Audix	Test Software	E3	191218 (V9)	N/A	N/A
PASTERNAK	Horn Antenna	PE9852/2F-20	112002	2024/2/4	2027/2/3
PASTERNAK	Horn Antenna	PE9850/2F-20	072001	2024/2/4	2027/2/3
Quinstar	Preamplifier	QLW-18405536-JO	15964001005	2025/11/10	2026/11/9
Decentest	Multiplex Switch Test Control Set	DT7220SCU	DQ77925	2025/8/4	2026/8/3
Decentest	Filter Switch Unit	DT7220FSU	DQ77928	2025/8/4	2026/8/3

** 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:****802.11a Mode Chain 0:**

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	37.60	PK	H	13.26	50.86	68.20	17.34
10360.000	39.44	PK	V	13.26	52.70	68.20	15.50
15540.000	39.48	PK	H	13.48	52.96	74.00	21.04
15540.000	25.94	AV	H	13.48	39.42	54.00	14.58
15540.000	39.05	PK	V	13.48	52.53	74.00	21.47
15540.000	25.97	AV	V	13.48	39.45	54.00	14.55
Middle Channel: 5200 MHz							
10400.000	38.15	PK	H	13.28	51.43	68.20	16.77
10400.000	38.97	PK	V	13.28	52.25	68.20	15.95
15600.000	41.02	PK	H	13.38	54.40	74.00	19.60
15600.000	28.47	AV	H	13.38	41.85	54.00	12.15
15600.000	41.35	PK	V	13.38	54.73	74.00	19.27
15600.000	28.16	AV	V	13.38	41.54	54.00	12.46
High Channel: 5240 MHz							
10480.000	38.51	PK	H	13.38	51.89	68.20	16.31
10480.000	38.94	PK	V	13.38	52.32	68.20	15.88
15720.000	40.69	PK	H	13.30	53.99	74.00	20.01
15720.000	28.21	AV	H	13.30	41.51	54.00	12.49
15720.000	41.15	PK	V	13.30	54.45	74.00	19.55
15720.000	28.36	AV	V	13.30	41.66	54.00	12.34

802.11a Mode Chain 1:

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	38.45	PK	H	13.26	51.71	68.20	16.49
10360.000	38.25	PK	V	13.26	51.51	68.20	16.69
15540.000	39.50	PK	H	13.48	52.98	74.00	21.02
15540.000	26.02	AV	H	13.48	39.50	54.00	14.50
15540.000	39.67	PK	V	13.48	53.15	74.00	20.85
15540.000	25.89	AV	V	13.48	39.37	54.00	14.63
Middle Channel:				5200	MHz		
10400.000	38.74	PK	H	7.26	46.00	68.20	22.20
10400.000	38.64	PK	V	13.28	51.92	68.20	16.28
15600.000	41.52	PK	H	13.38	54.90	74.00	19.10
15600.000	28.31	AV	H	13.38	41.69	54.00	12.31
15600.000	41.19	PK	V	13.38	54.57	74.00	19.43
15600.000	28.22	AV	V	13.38	41.60	54.00	12.40
High Channel:				5240	MHz		
10480.000	38.67	PK	H	13.38	52.05	68.20	16.15
10480.000	38.98	PK	V	13.38	52.36	68.20	15.84
15720.000	40.96	PK	H	13.30	54.26	74.00	19.74
15720.000	28.36	AV	H	13.30	41.66	54.00	12.34
15720.000	41.24	PK	V	13.30	54.54	74.00	19.46
15720.000	28.80	AV	V	13.30	42.10	54.00	11.90

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	38.57	PK	H	13.26	51.83	68.20	16.37
10360.000	40.58	PK	V	13.26	53.84	68.20	14.36
15540.000	39.14	PK	H	13.48	52.62	74.00	21.38
15540.000	25.95	AV	H	13.48	39.43	54.00	14.57
15540.000	38.90	PK	V	13.48	52.38	74.00	21.62
15540.000	26.00	AV	V	13.48	39.48	54.00	14.52
Middle Channel:				5200	MHz		
10400.000	39.10	PK	H	13.28	52.38	68.20	15.82
10400.000	39.65	PK	V	13.28	52.93	68.20	15.27
15600.000	41.05	PK	H	13.38	54.43	74.00	19.57
15600.000	28.31	AV	H	13.38	41.69	54.00	12.31
15600.000	41.38	PK	V	13.38	54.76	74.00	19.24
15600.000	28.27	AV	V	13.38	41.65	54.00	12.35
High Channel:				5240	MHz		
10480.000	37.74	PK	H	13.38	51.12	68.20	17.08
10480.000	39.05	PK	V	13.38	52.43	68.20	15.77
15720.000	41.29	PK	H	13.30	54.59	74.00	19.41
15720.000	28.47	AV	H	13.30	41.77	54.00	12.23
15720.000	40.64	PK	V	13.30	53.94	74.00	20.06
15720.000	28.85	AV	V	13.30	42.15	54.00	11.85

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	38.14	PK	H	13.27	51.41	68.20	16.79
10380.000	39.06	PK	V	13.27	52.33	68.20	15.87
15570.000	38.78	PK	H	13.43	52.21	74.00	21.79
15570.000	26.03	AV	H	13.43	39.46	54.00	14.54
15570.000	39.34	PK	V	13.43	52.77	74.00	21.23
15570.000	26.01	AV	V	13.43	39.44	54.00	14.56
High Channel:				5230	MHz		
10460.000	38.25	PK	H	13.35	51.60	68.20	16.60
10460.000	38.14	PK	V	13.35	51.49	68.20	16.71
15690.000	39.99	PK	H	13.33	53.32	74.00	20.68
15690.000	27.15	AV	H	13.33	40.48	54.00	13.52
15690.000	40.80	PK	V	13.33	54.13	74.00	19.87
15690.000	28.31	AV	V	13.33	41.64	54.00	12.36

5725-5850MHz**802.11a Mode Chain 0:**

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	38.25	PK	H	13.97	52.22	74.00	21.78
11490.000	25.16	AV	H	13.97	39.13	54.00	14.87
11490.000	42.53	PK	V	13.97	56.50	74.00	17.50
11490.000	29.16	AV	V	13.97	43.13	54.00	10.87
17235.000	39.54	PK	H	16.99	56.53	68.20	11.67
17235.000	39.72	PK	V	16.99	56.71	68.20	11.49
Middle Channel:				5785	MHz		
11570.000	38.64	PK	H	14.33	52.97	74.00	21.03
11570.000	24.56	AV	H	14.33	38.89	54.00	15.11
11570.000	38.25	PK	V	14.33	52.58	74.00	21.42
11570.000	24.97	AV	V	14.33	39.30	54.00	14.70
17355.000	38.47	PK	H	17.98	56.45	68.20	11.75
17355.000	38.74	PK	V	17.98	56.72	68.20	11.48
High Channel:				5825	MHz		
11650.000	38.75	PK	H	14.49	53.24	74.00	20.76
11650.000	25.81	AV	H	14.49	40.30	54.00	13.70
11650.000	39.20	PK	V	14.49	53.69	74.00	20.31
11650.000	25.93	AV	V	14.49	40.42	54.00	13.58
17475.000	39.54	PK	H	18.94	58.48	68.20	9.72
17475.000	39.15	PK	V	18.94	58.09	68.20	10.11

802.11a Mode Chain 1:

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	38.17	PK	H	13.97	52.14	74.00	21.86
11490.000	25.21	AV	H	13.97	39.18	54.00	14.82
11490.000	38.65	PK	V	13.97	52.62	74.00	21.38
11490.000	25.21	AV	V	13.97	39.18	54.00	14.82
17235.000	39.30	PK	H	16.99	56.29	68.20	11.91
17235.000	39.48	PK	V	16.99	56.47	68.20	11.73
Middle Channel:				5785	MHz		
11570.000	38.06	PK	H	14.33	52.39	74.00	21.61
11570.000	25.31	AV	H	14.33	39.64	54.00	14.36
11570.000	38.14	PK	V	14.33	52.47	74.00	21.53
11570.000	25.07	AV	V	14.33	39.40	54.00	14.60
17355.000	39.64	PK	H	17.98	57.62	68.20	10.58
17355.000	39.41	PK	V	17.98	57.39	68.20	10.81
High Channel:				5825	MHz		
11650.000	38.46	PK	H	14.49	52.95	74.00	21.05
11650.000	25.95	AV	H	14.49	40.44	54.00	13.56
11650.000	38.29	PK	V	14.49	52.78	74.00	21.22
11650.000	25.48	AV	V	14.49	39.97	54.00	14.03
17475.000	39.65	PK	H	18.94	58.59	68.20	9.61
17475.000	39.84	PK	V	18.94	58.78	68.20	9.42

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	38.83	PK	H	13.97	52.80	74.00	21.20
11490.000	25.26	AV	H	13.97	39.23	54.00	14.77
11490.000	42.38	PK	V	13.97	56.35	74.00	17.65
11490.000	28.94	AV	V	13.97	42.91	54.00	11.09
17235.000	39.52	PK	H	16.99	56.51	68.20	11.69
17235.000	41.51	PK	V	16.99	58.50	68.20	9.70
Middle Channel:				5785	MHz		
11570.000	37.81	PK	H	14.33	52.14	74.00	21.86
11570.000	24.96	AV	H	14.33	39.29	54.00	14.71
11570.000	39.05	PK	V	14.33	53.38	74.00	20.62
11570.000	26.08	AV	V	14.33	40.41	54.00	13.59
17355.000	38.95	PK	H	17.98	56.93	68.20	11.27
17355.000	38.87	PK	V	17.98	56.85	68.20	11.35
High Channel:				5825	MHz		
11650.000	38.97	PK	H	14.49	53.46	74.00	20.54
11650.000	26.03	AV	H	14.49	40.52	54.00	13.48
11650.000	39.01	PK	V	14.49	53.50	74.00	20.50
11650.000	26.17	AV	V	14.49	40.66	54.00	13.34
17475.000	39.31	PK	H	18.94	58.25	68.20	9.95
17475.000	39.26	PK	V	18.94	58.20	68.20	10.00

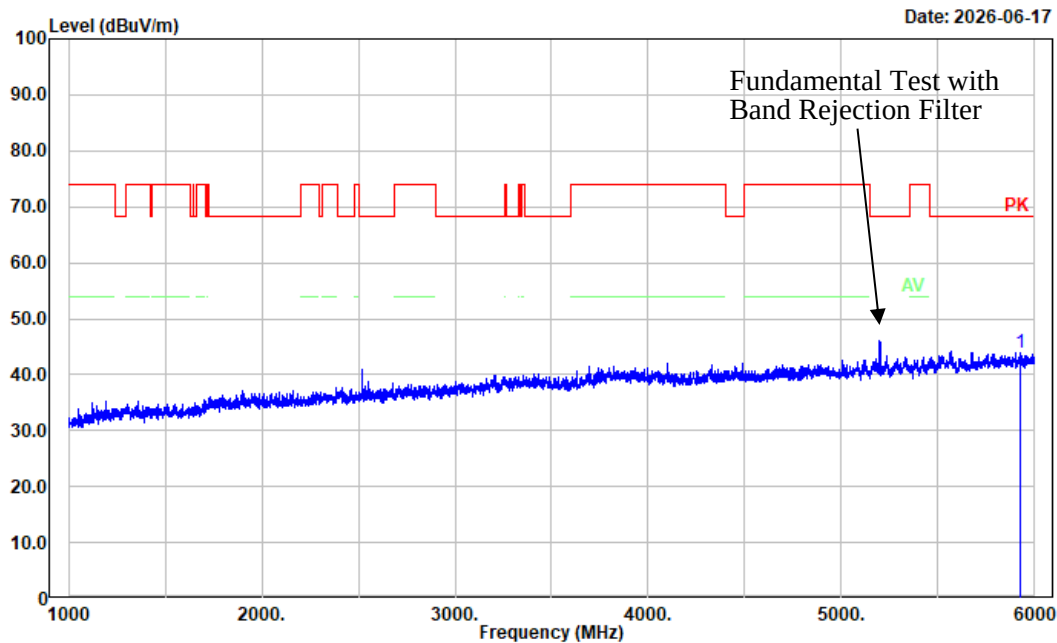
802.11n ht40 Mode:

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	38.67	PK	H	14.05	52.72	74.00	21.28
11510.000	25.16	AV	H	14.05	39.21	54.00	14.79
11510.000	40.24	PK	V	14.05	54.29	74.00	19.71
11510.000	26.69	AV	V	14.05	40.74	54.00	13.26
17265.000	39.01	PK	H	17.22	56.23	68.20	11.97
17265.000	39.61	PK	V	17.22	56.83	68.20	11.37
High Channel:				5795	MHz		
11590.000	37.92	PK	H	14.43	52.35	74.00	21.65
11590.000	25.27	AV	H	14.43	39.70	54.00	14.30
11590.000	38.31	PK	V	14.43	52.74	74.00	21.26
11590.000	25.10	AV	V	14.43	39.53	54.00	14.47
17385.000	38.83	PK	H	18.26	57.09	68.20	11.11
17385.000	38.49	PK	V	18.26	56.75	68.20	11.45

Worst radiation spurious emissions margin test plots for each mode

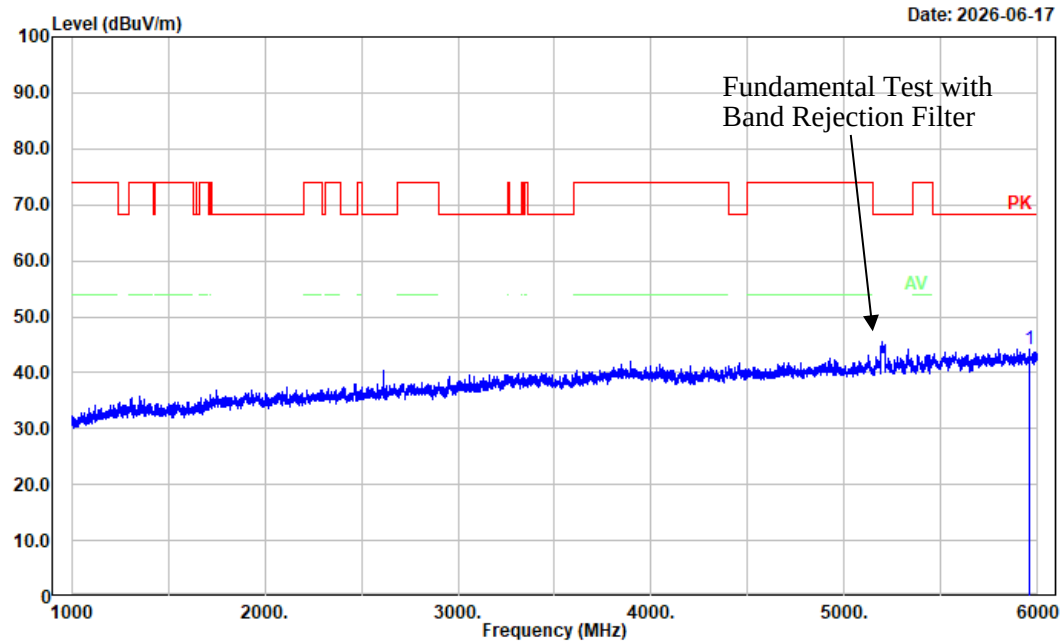
Note: for 18 – 40 GHz range, test was performed on the maximum power mode.

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;
Polarization: horizontal
Note: 5G WiFi B1 a Mode Middle Channel 5200 MHz Chain 0



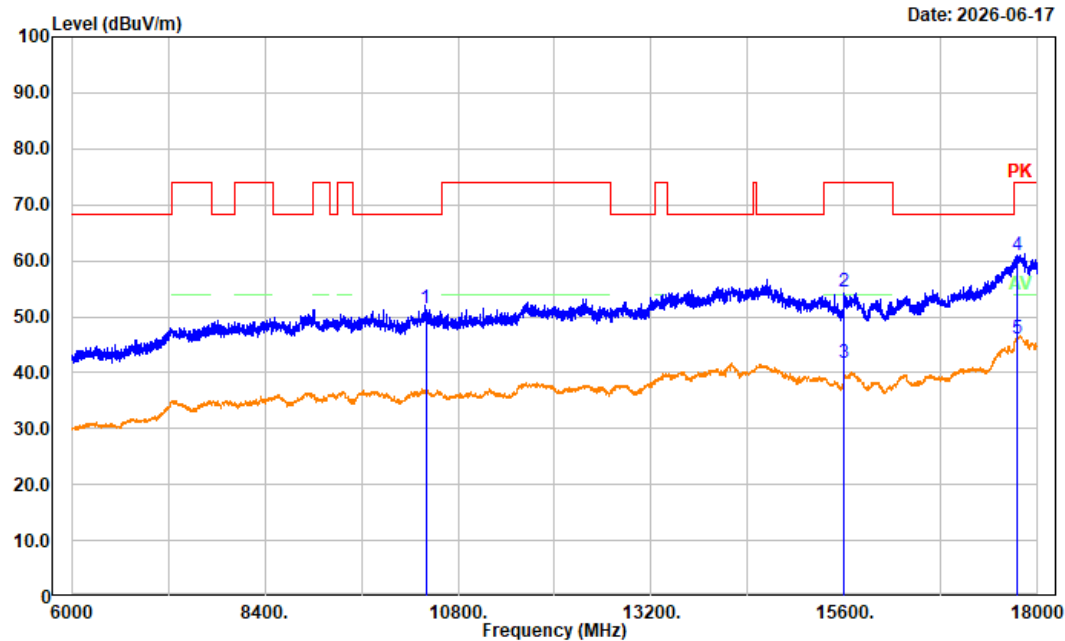
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	5922.000	36.81	7.17	43.98	68.20	24.22	Peak

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;
Polarization: vertical
Note: 5G WiFi B1 a Mode Middle Channel 5200 MHz Chain 0



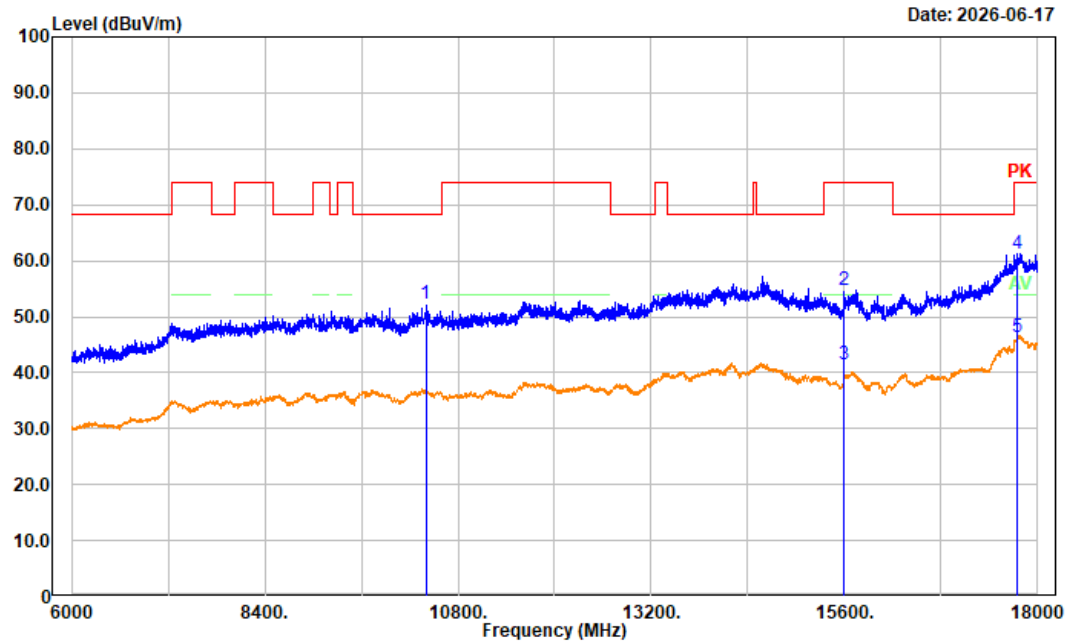
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	5957.000	36.97	7.31	44.28	68.20	23.92	Peak

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz; AV trace RBW:1MHz; VBW:5kHz
Polarization: horizontal
Note: 5G WiFi B1 a Mode Middle Channel 5200 MHz Chain 0



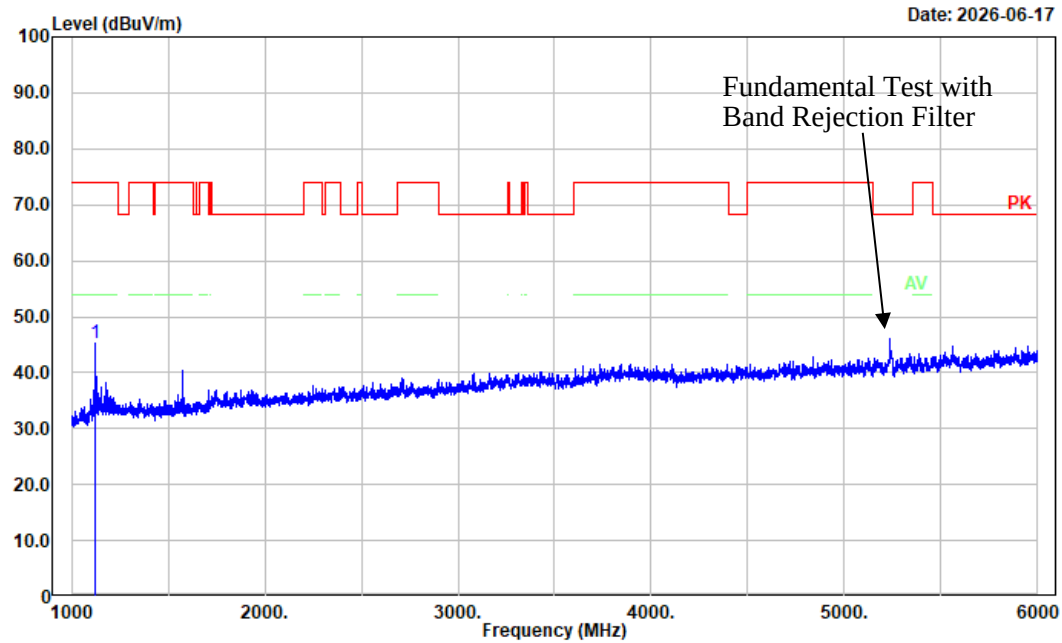
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	10400.000	38.15	13.28	51.43	68.20	16.77	Peak
2	15600.000	41.02	13.38	54.40	74.00	19.60	Peak
3	15600.000	28.47	13.38	41.85	54.00	12.15	Average
4	17748.000	39.85	21.17	61.02	74.00	12.98	Peak
5	17748.000	24.78	21.17	45.95	54.00	8.05	Average

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz; AV trace RBW:1MHz; VBW:5kHz
Polarization: vertical
Note: 5G WiFi B1 a Mode Middle Channel 5200 MHz Chain 0



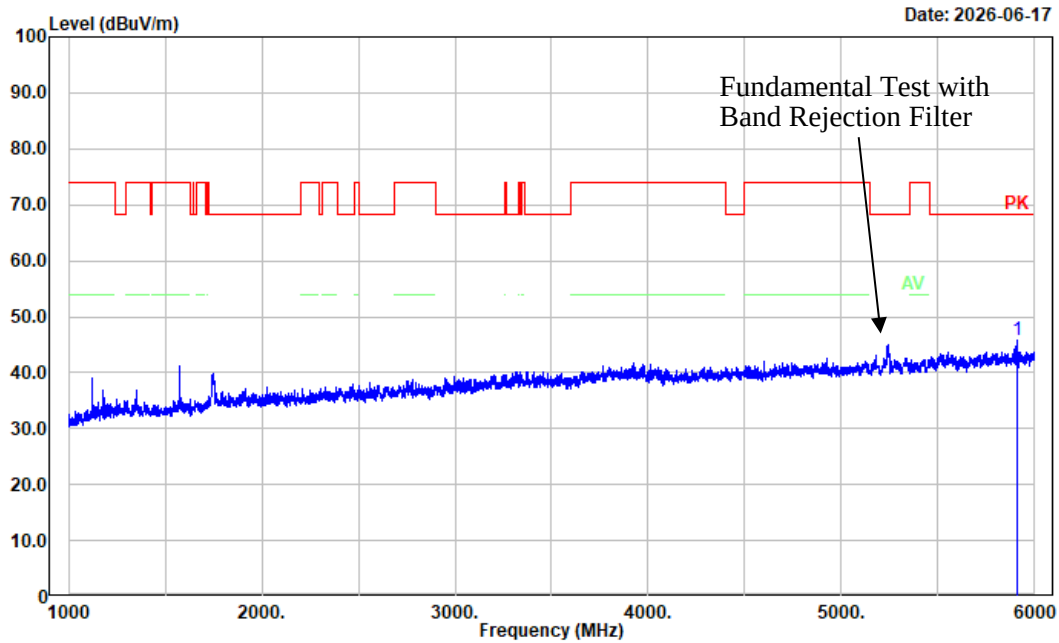
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	10400.000	38.97	13.28	52.25	68.20	15.95	Peak
2	15600.000	41.35	13.38	54.73	74.00	19.27	Peak
3	15600.000	28.16	13.38	41.54	54.00	12.46	Average
4	17752.800	40.13	21.19	61.32	74.00	12.68	Peak
5	17752.800	25.02	21.19	46.21	54.00	7.79	Average

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;
Polarization: horizontal
Note: 5G WiFi B1 a Mode High Channel 5240 MHz Chain 1



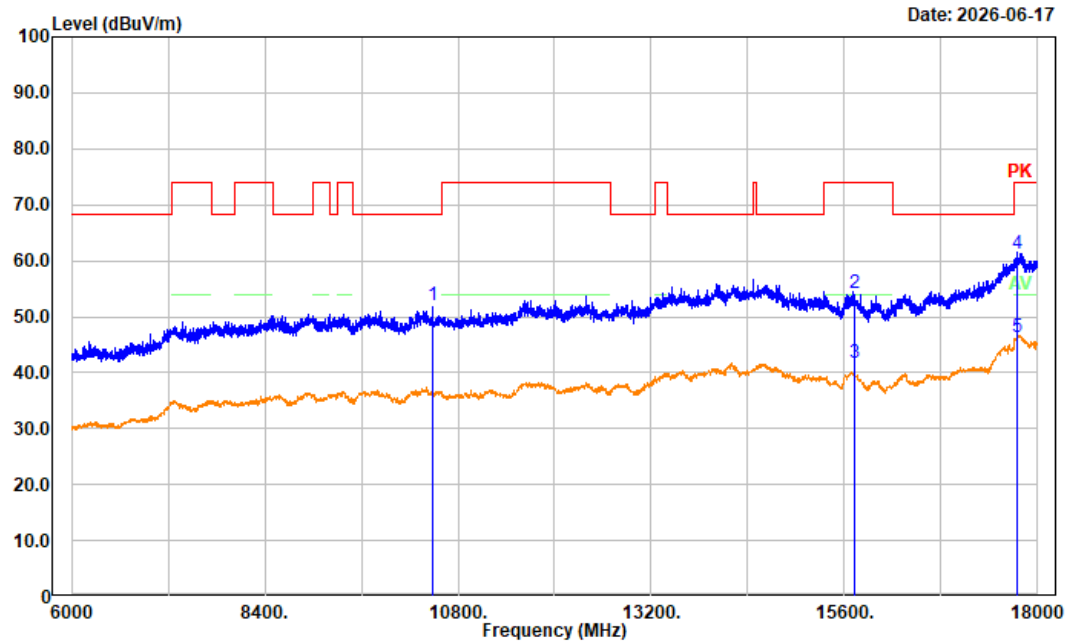
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	1125.000	50.47	-5.12	45.35	74.00	28.65	Peak

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;
Polarization: vertical
Note: 5G WiFi B1 a Mode High Channel 5240 MHz Chain 1



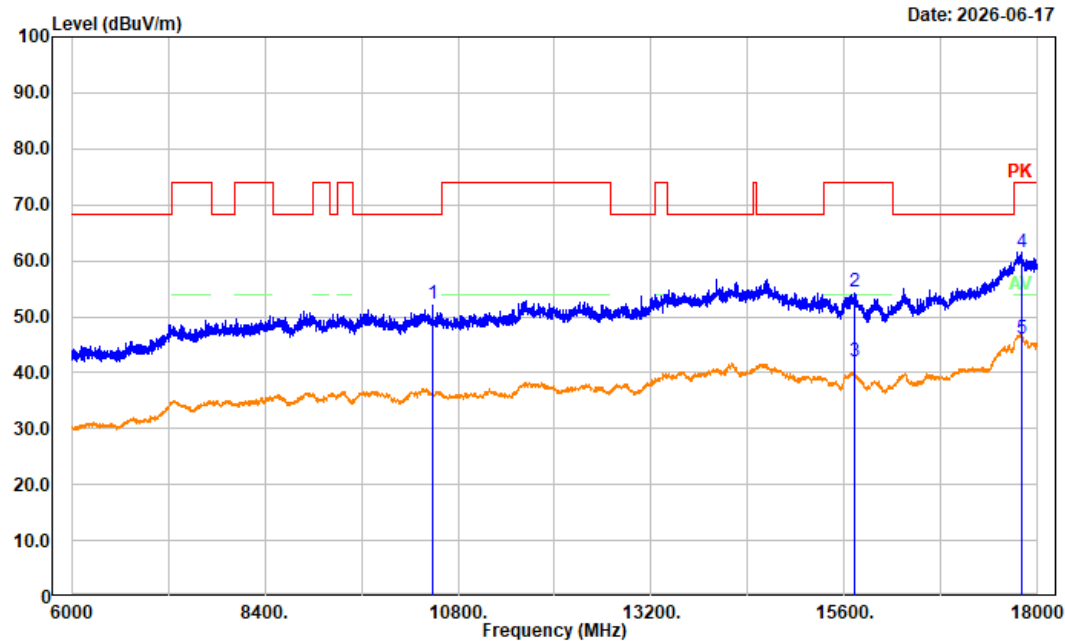
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	5912.000	38.55	7.14	45.69	68.20	22.51	Peak

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz; AV trace RBW:1MHz; VBW:5kHz
Polarization: horizontal
Note: 5G WiFi B1 a Mode High Channel 5240 MHz Chain 1



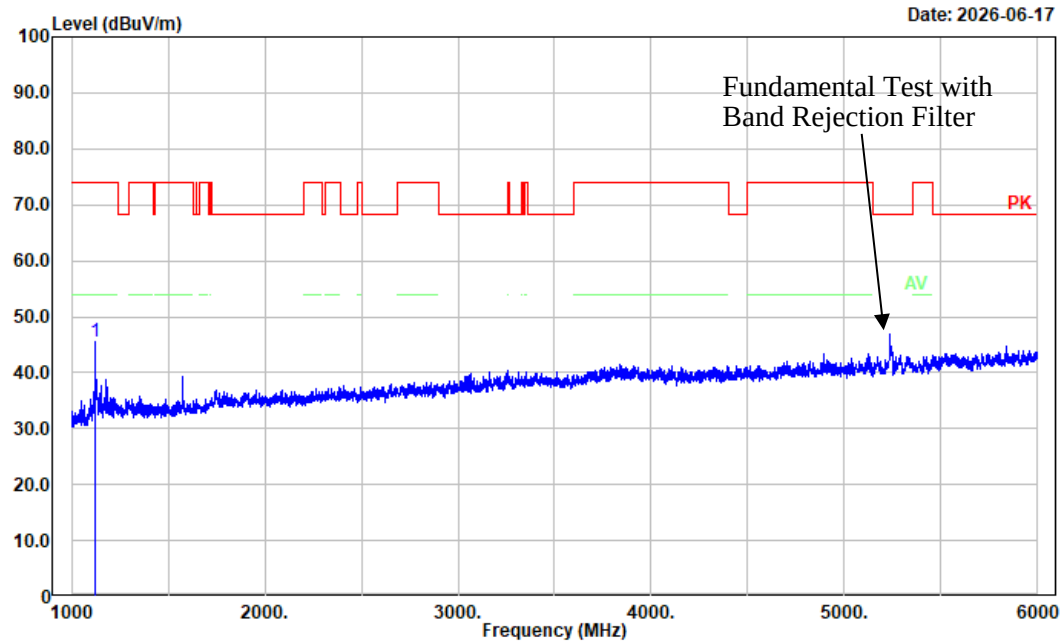
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	10480.000	38.67	13.38	52.05	68.20	16.15	Peak
2	15720.000	40.96	13.30	54.26	74.00	19.74	Peak
3	15720.000	28.36	13.30	41.66	54.00	12.34	Average
4	17740.800	40.23	21.15	61.38	74.00	12.62	Peak
5	17740.800	25.23	21.15	46.38	54.00	7.62	Average

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz; AV trace RBW:1MHz; VBW:5kHz
Polarization: vertical
Note: 5G WiFi B1 a Mode High Channel 5240 MHz Chain 1



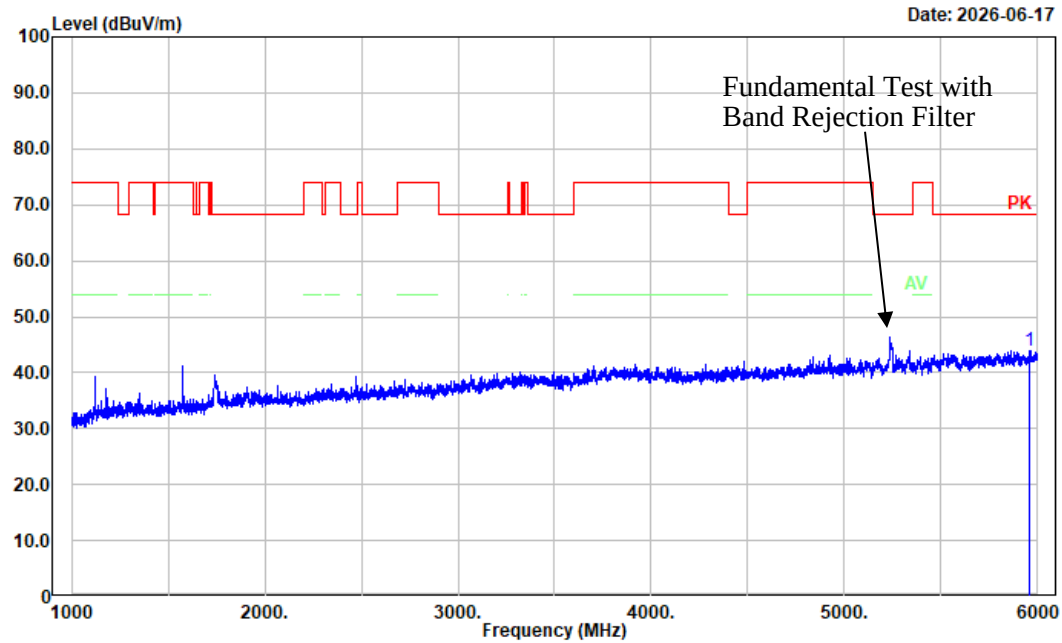
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	10480.000	38.98	13.38	52.36	68.20	15.84	Peak
2	15720.000	41.24	13.30	54.54	74.00	19.46	Peak
3	15720.000	28.80	13.30	42.10	54.00	11.90	Average
4	17798.400	40.28	21.35	61.63	74.00	12.37	Peak
5	17798.400	24.79	21.35	46.14	54.00	7.86	Average

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;
Polarization: horizontal
Note: 5G WiFi B1 n20 Mode High Channel 5240 MHz



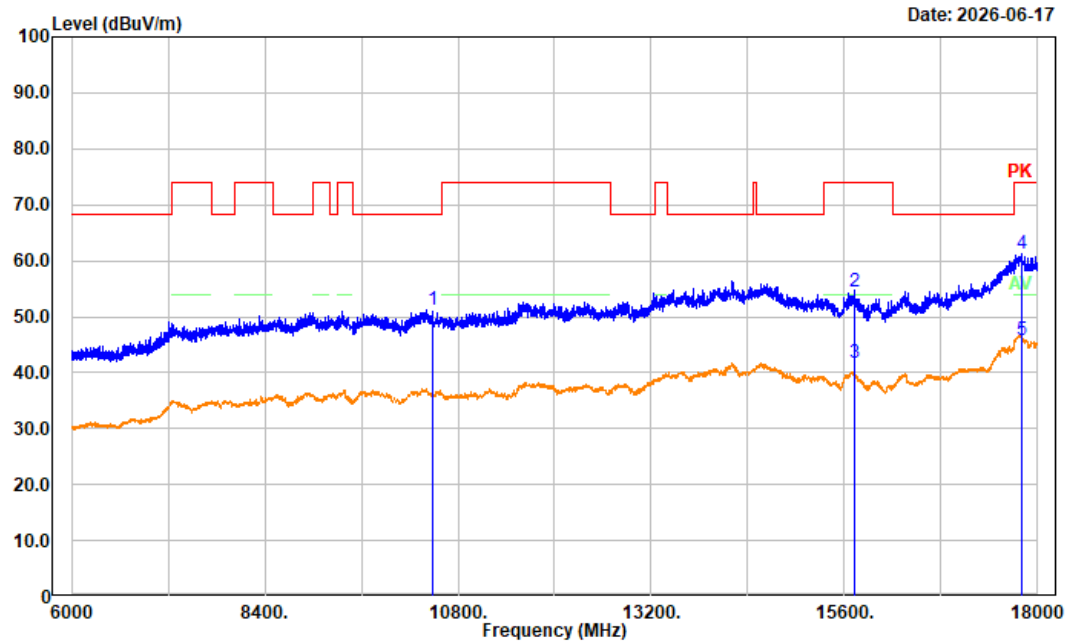
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	1125.000	50.59	-5.12	45.47	74.00	28.53	Peak

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;
Polarization: vertical
Note: 5G WiFi B1 n20 Mode High Channel 5240 MHz



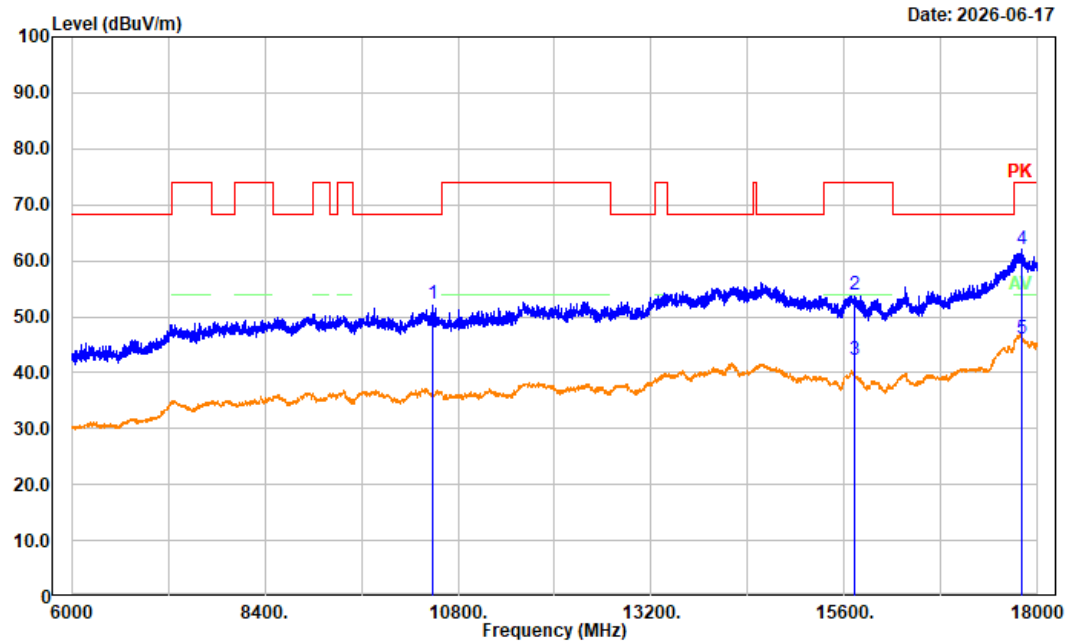
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	5960.000	36.68	7.34	44.02	68.20	24.18	Peak

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz; AV trace RBW:1MHz; VBW:5kHz
Polarization: horizontal
Note: 5G WiFi B1 n20 Mode High Channel 5240 MHz



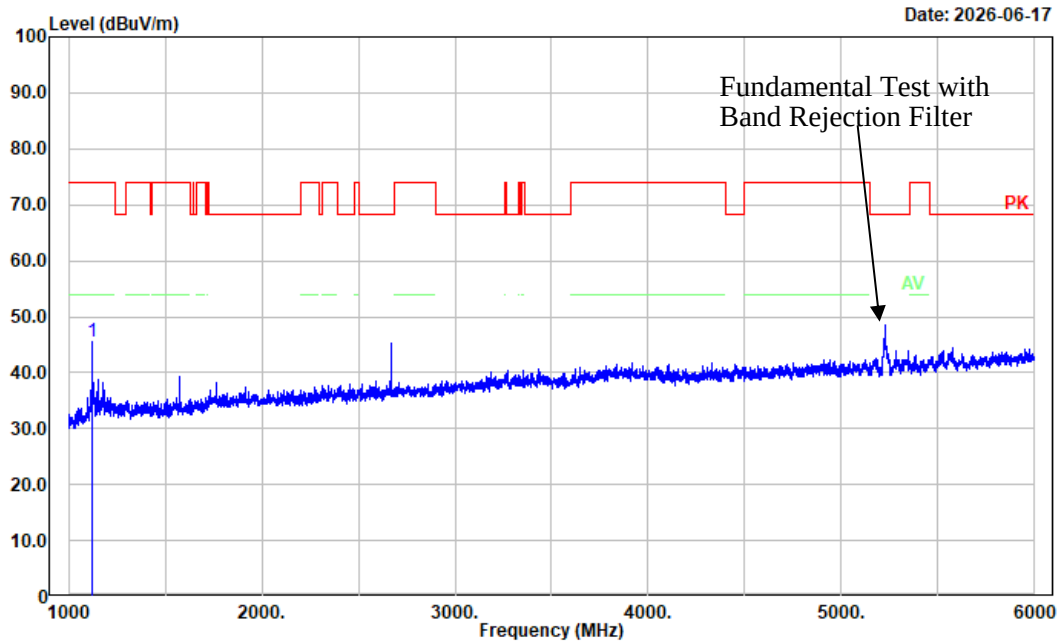
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	10480.000	37.74	13.38	51.12	68.20	17.08	Peak
2	15720.000	41.29	13.30	54.59	74.00	19.41	Peak
3	15720.000	28.47	13.30	41.77	54.00	12.23	Average
4	17808.000	39.89	21.37	61.26	74.00	12.74	Peak
5	17808.000	24.55	21.37	45.92	54.00	8.08	Average

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz; AV trace RBW:1MHz; VBW:5kHz
Polarization: vertical
Note: 5G WiFi B1 n20 Mode High Channel 5240 MHz



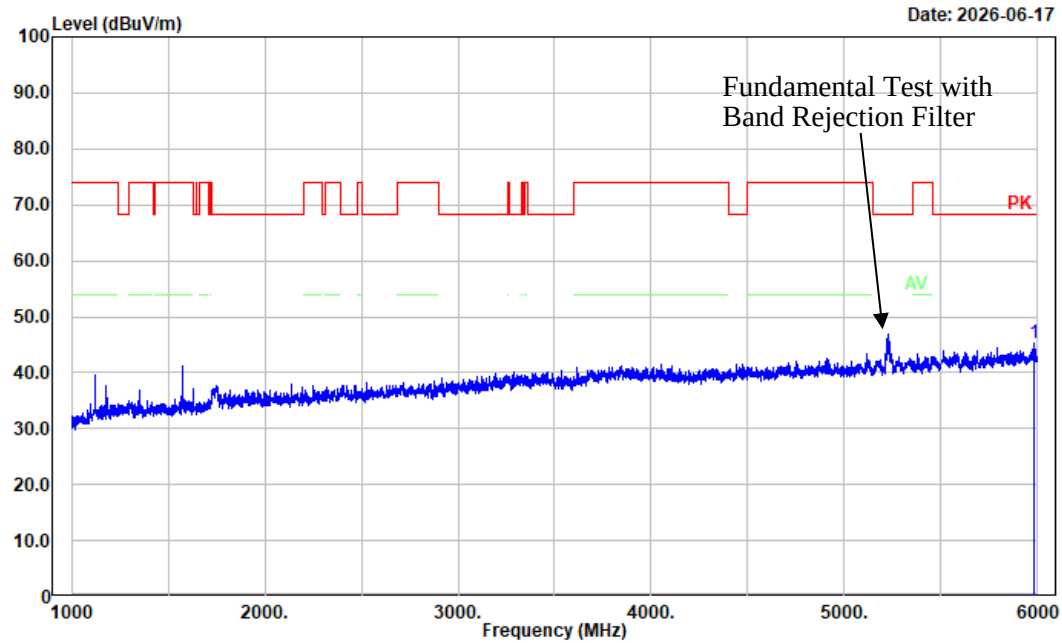
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	10480.000	39.05	13.38	52.43	68.20	15.77	Peak
2	15720.000	40.64	13.30	53.94	74.00	20.06	Peak
3	15720.000	28.85	13.30	42.15	54.00	11.85	Average
4	17793.600	40.86	21.33	62.19	74.00	11.81	Peak
5	17793.600	24.82	21.33	46.15	54.00	7.85	Average

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;
Polarization: horizontal
Note: 5G WiFi B1 n40 Mode High Channel 5230 MHz



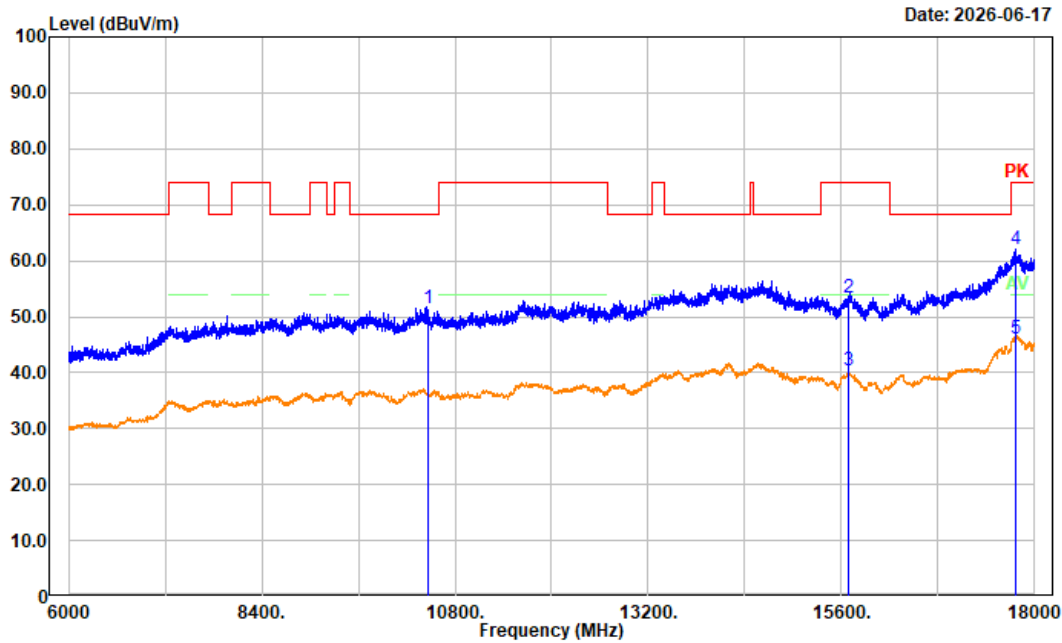
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	1124.000	50.58	-5.13	45.45	74.00	28.55	Peak

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;
Polarization: vertical
Note: 5G WiFi B1 n40 Mode High Channel 5230 MHz



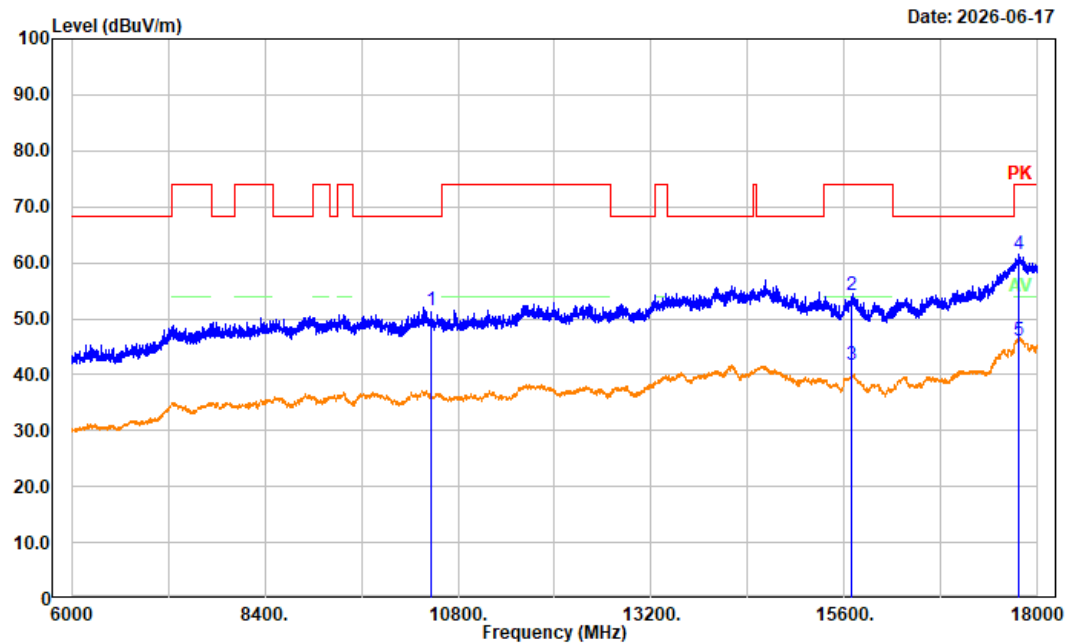
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	5983.000	37.78	7.57	45.35	68.20	22.85	Peak

Project No: 2603S14259E-RF
 Tester: HuaYuan Miao
 Condition: PK trace RBW:1MHz; VBW:3MHz; AV trace RBW:1MHz; VBW:5kHz
 Polarization: horizontal
 Note: 5G WiFi B1 n40 Mode High Channel 5230 MHz



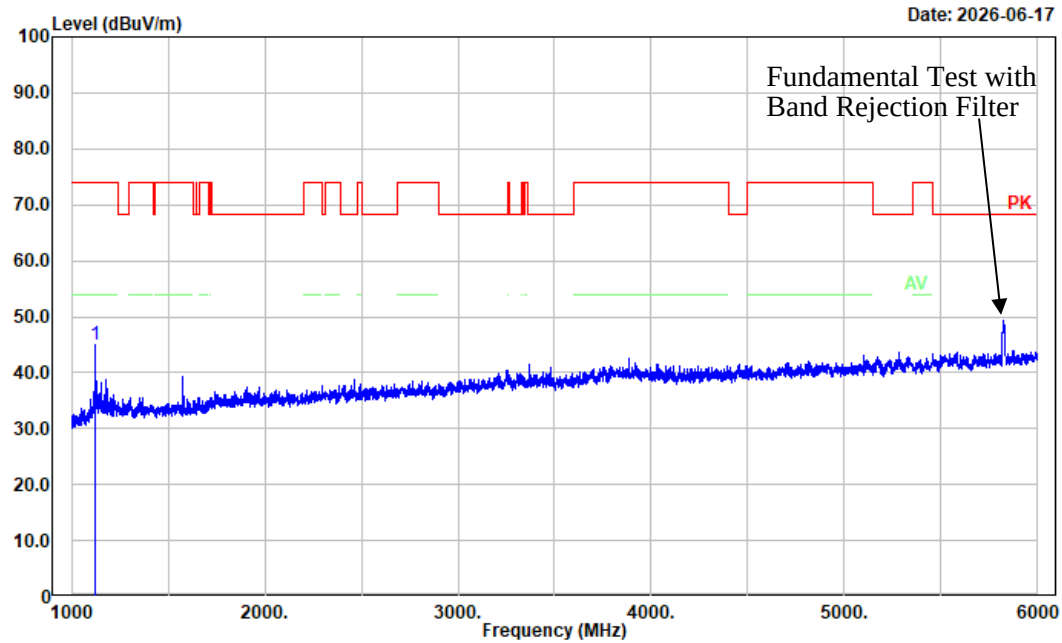
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	10460.000	38.25	13.35	51.60	68.20	16.60	Peak
2	15690.000	39.99	13.33	53.32	74.00	20.68	Peak
3	15690.000	27.15	13.33	40.48	54.00	13.52	Average
4	17757.600	40.81	21.20	62.01	74.00	11.99	Peak
5	17757.600	24.98	21.20	46.18	54.00	7.82	Average

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz; AV trace RBW:1MHz; VBW:5kHz
Polarization: vertical
Note: 5G WiFi B1 n40 Mode High Channel 5230 MHz



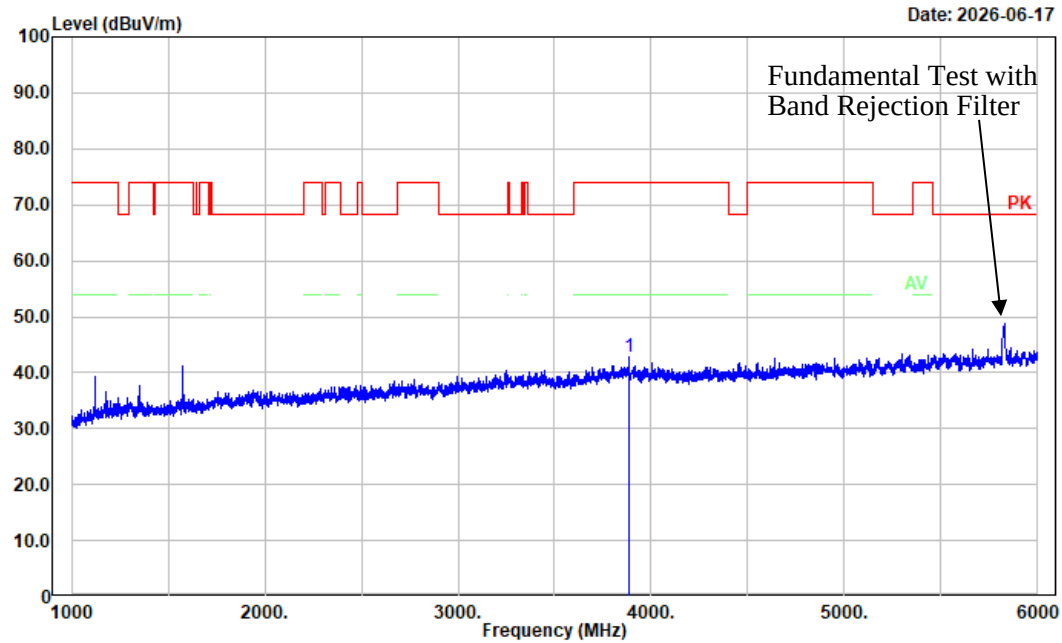
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	10460.000	38.14	13.35	51.49	68.20	16.71	Peak
2	15690.000	40.80	13.33	54.13	74.00	19.87	Peak
3	15690.000	28.31	13.33	41.64	54.00	12.36	Average
4	17762.400	40.41	21.22	61.63	74.00	12.37	Peak
5	17762.400	24.96	21.22	46.18	54.00	7.82	Average

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;
Polarization: horizontal
Note: 5G WiFi B4 a Mode High Channel 5825 MHz Chain 0



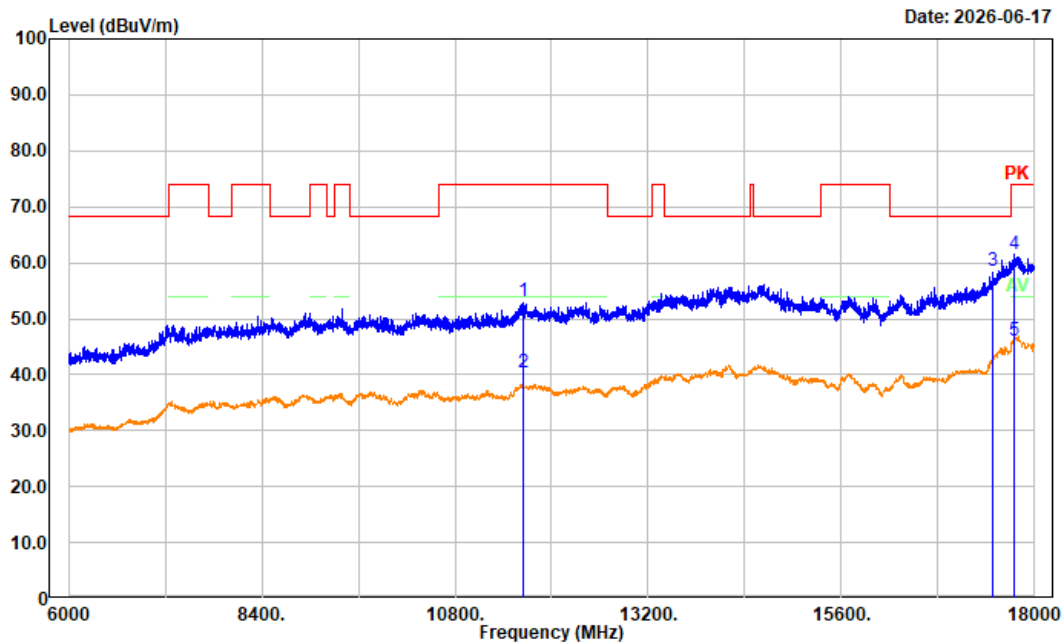
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	1125.000	50.19	-5.12	45.07	74.00	28.93	Peak

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;
Polarization: vertical
Note: 5G WiFi B4 a Mode High Channel 5825 MHz Chain 0



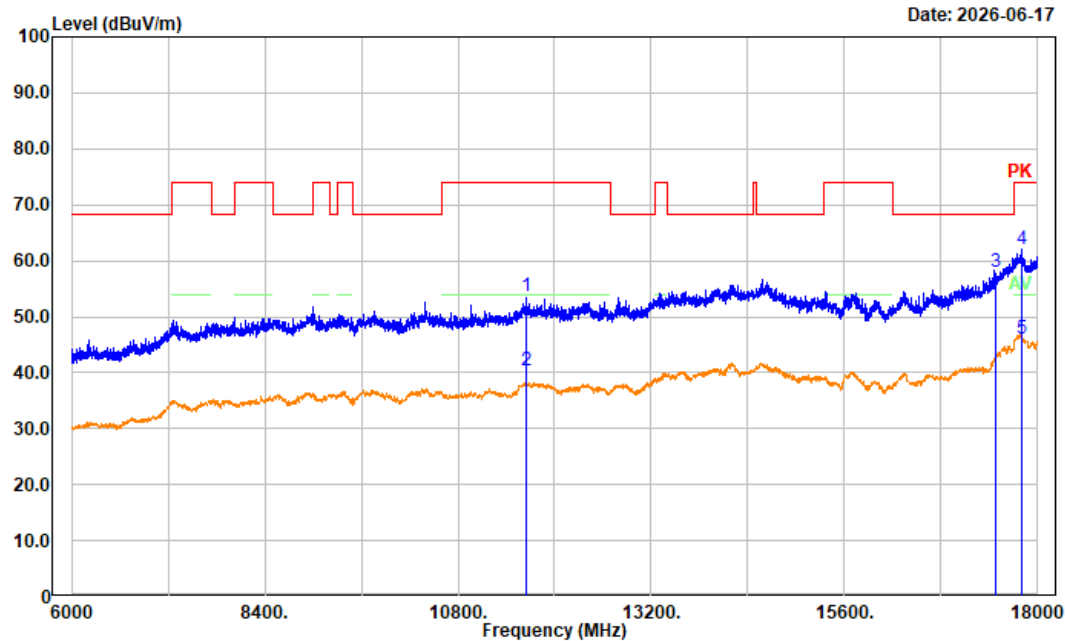
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	3883.000	39.54	3.37	42.91	74.00	31.09	Peak

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz; AV trace RBW:1MHz; VBW:5kHz
Polarization: horizontal
Note: 5G WiFi B4 a Mode High Channel 5825 MHz Chain 0



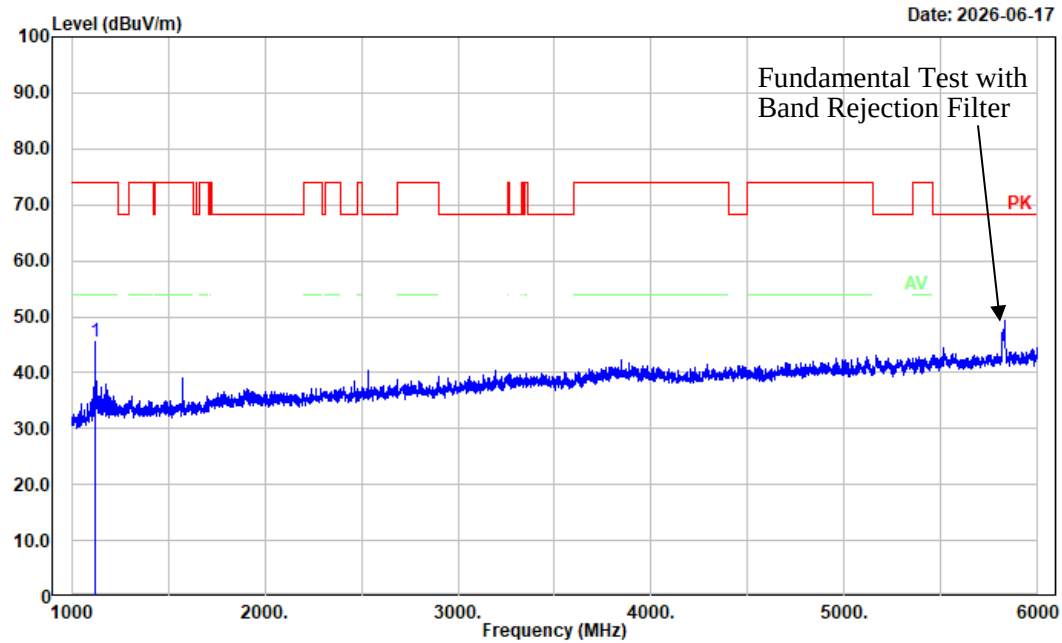
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	11650.000	38.75	14.49	53.24	74.00	20.76	Peak
2	11650.000	25.81	14.49	40.30	54.00	13.70	Average
3	17475.000	39.54	18.94	58.48	68.20	9.72	Peak
4	17750.400	40.39	21.18	61.57	74.00	12.43	Peak
5	17750.400	25.01	21.18	46.19	54.00	7.81	Average

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz; AV trace RBW:1MHz; VBW:5kHz
Polarization: vertical
Note: 5G WiFi B4 a Mode High Channel 5825 MHz Chain 0



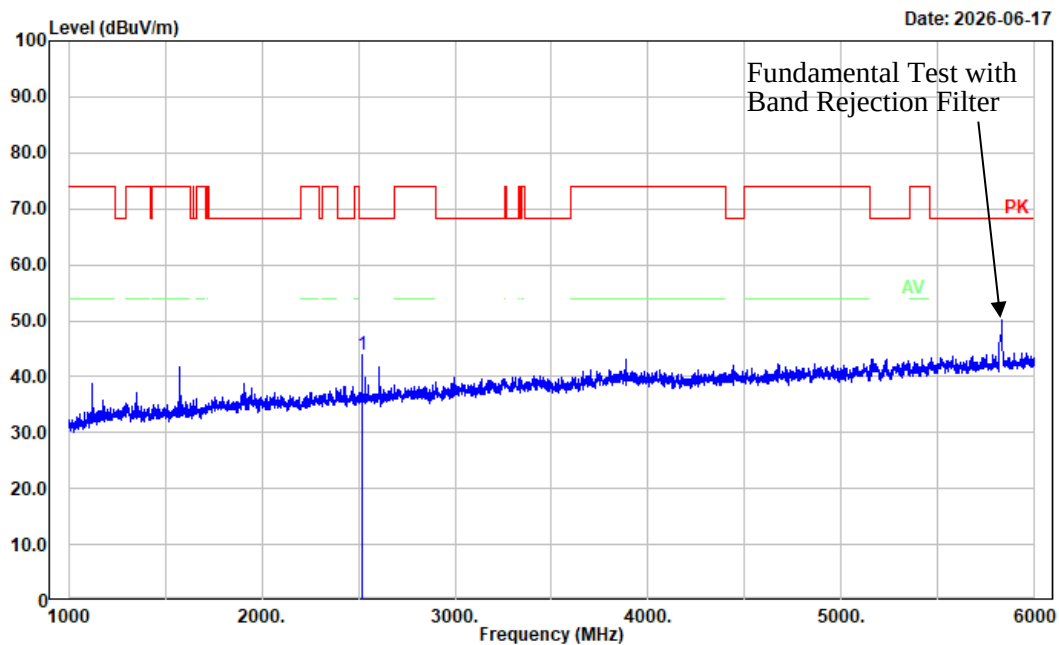
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	11650.000	39.20	14.49	53.69	74.00	20.31	Peak
2	11650.000	25.93	14.49	40.42	54.00	13.58	Average
3	17475.000	39.15	18.94	58.09	68.20	10.11	Peak
4	17793.600	40.78	21.33	62.11	74.00	11.89	Peak
5	17793.600	24.75	21.33	46.08	54.00	7.92	Average

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;
Polarization: horizontal
Note: 5G WiFi B4 a Mode High Channel 5825 MHz Chain 1



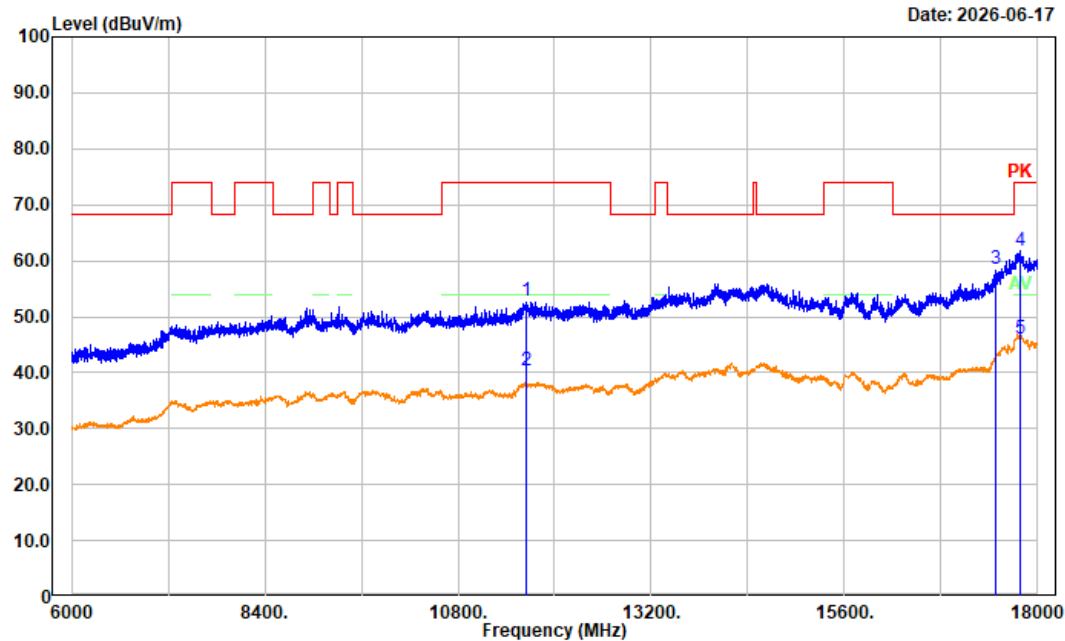
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	1125.000	50.56	-5.12	45.44	74.00	28.56	Peak

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;
Polarization: vertical
Note: 5G WiFi B4 a Mode High Channel 5825 MHz Chain 1



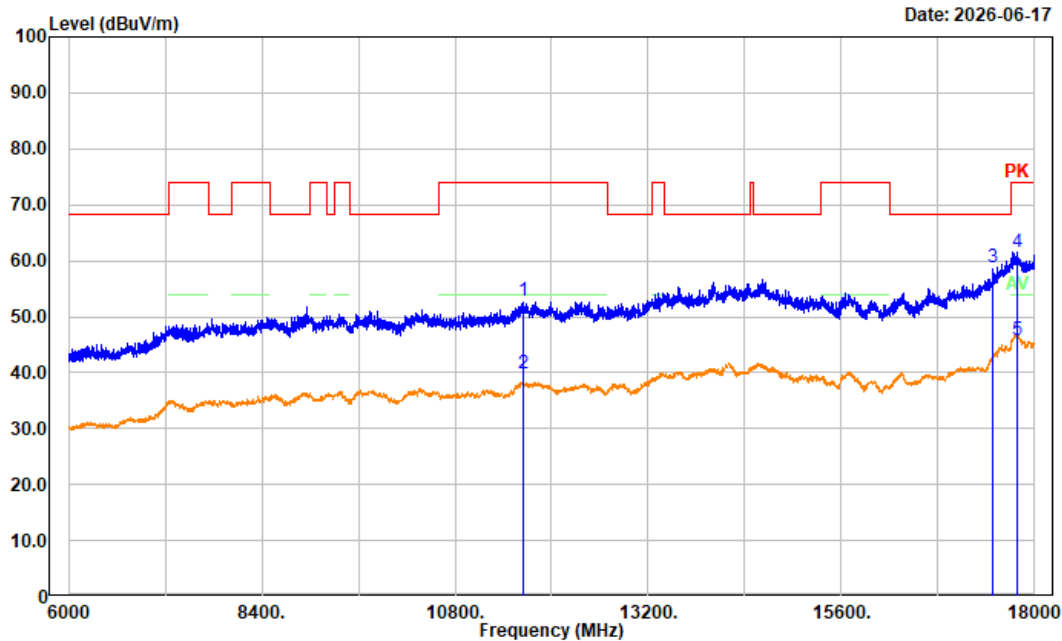
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	2518.000	45.89	-2.03	43.86	68.20	24.34	Peak

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz; AV trace RBW:1MHz; VBW:5kHz
Polarization: horizontal
Note: 5G WiFi B4 a Mode High Channel 5825 MHz Chain 1



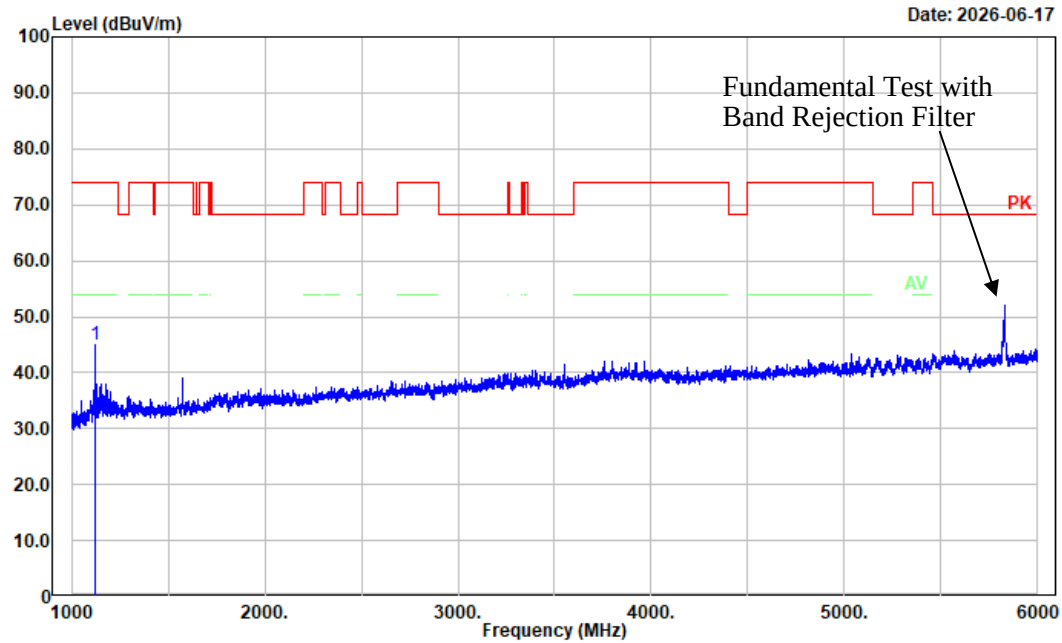
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	11650.000	38.46	14.49	52.95	74.00	21.05	Peak
2	11650.000	25.95	14.49	40.44	54.00	13.56	Average
3	17475.000	39.65	18.94	58.59	68.20	9.61	Peak
4	17779.200	40.38	21.28	61.66	74.00	12.34	Peak
5	17779.200	24.76	21.28	46.04	54.00	7.96	Average

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz; AV trace RBW:1MHz; VBW:5kHz
Polarization: vertical
Note: 5G WiFi B4 a Mode High Channel 5825 MHz Chain 1



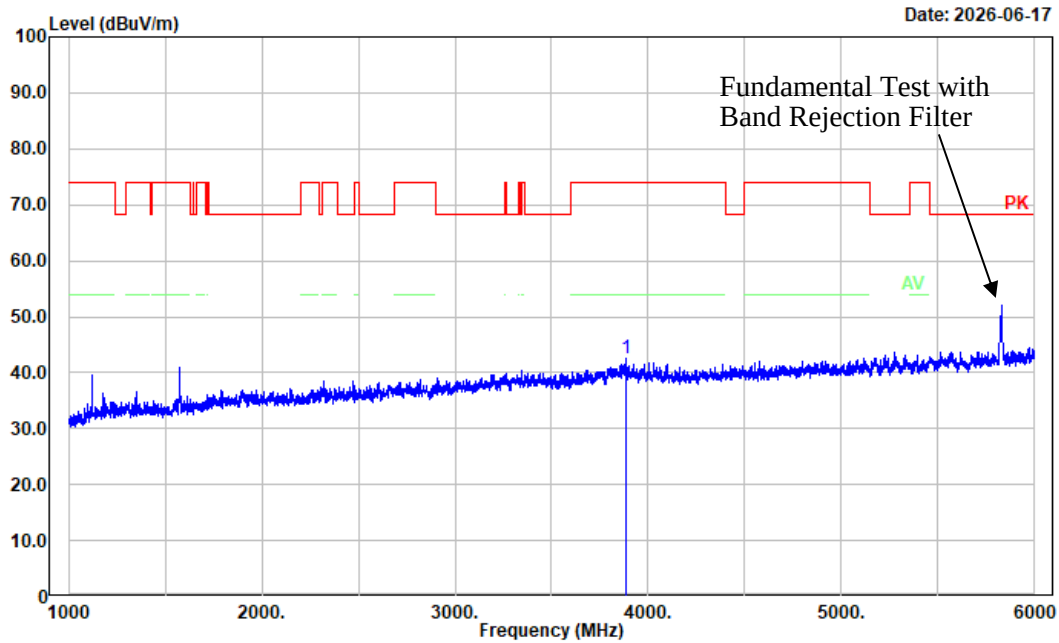
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	11650.000	38.29	14.49	52.78	74.00	21.22	Peak
2	11650.000	25.48	14.49	39.97	54.00	14.03	Average
3	17475.000	39.84	18.94	58.78	68.20	9.42	Peak
4	17786.400	40.25	21.30	61.55	74.00	12.45	Peak
5	17786.400	24.57	21.30	45.87	54.00	8.13	Average

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;
Polarization: horizontal
Note: 5G WiFi B4 n20 Mode Low Channel 5745 MHz



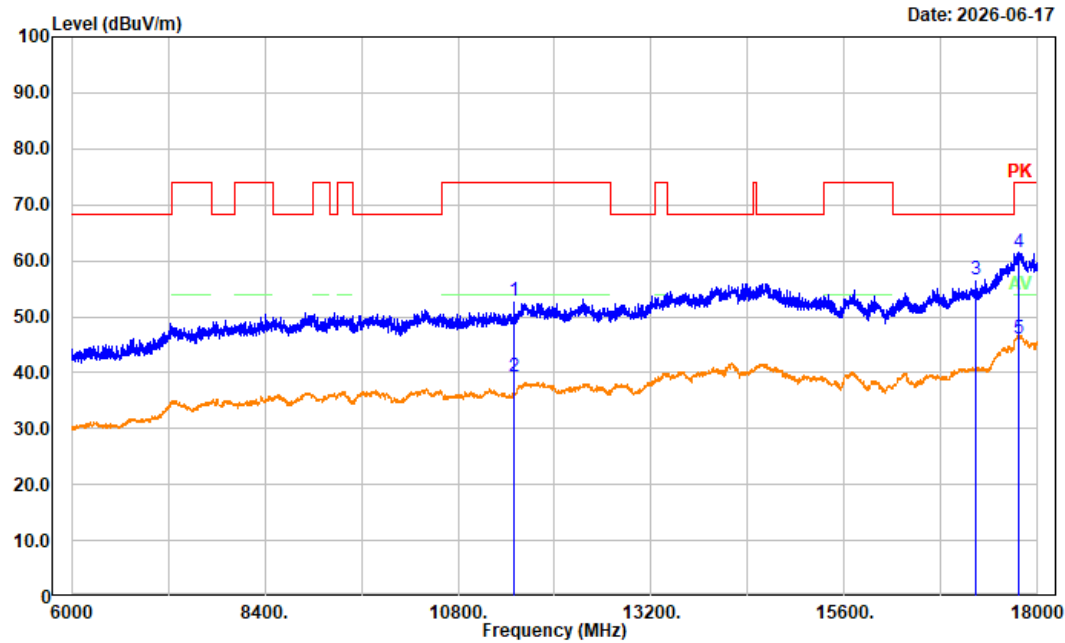
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	1125.000	50.14	-5.12	45.02	74.00	28.98	Peak

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;
Polarization: vertical
Note: 5G WiFi B4 n20 Mode Low Channel 5745 MHz



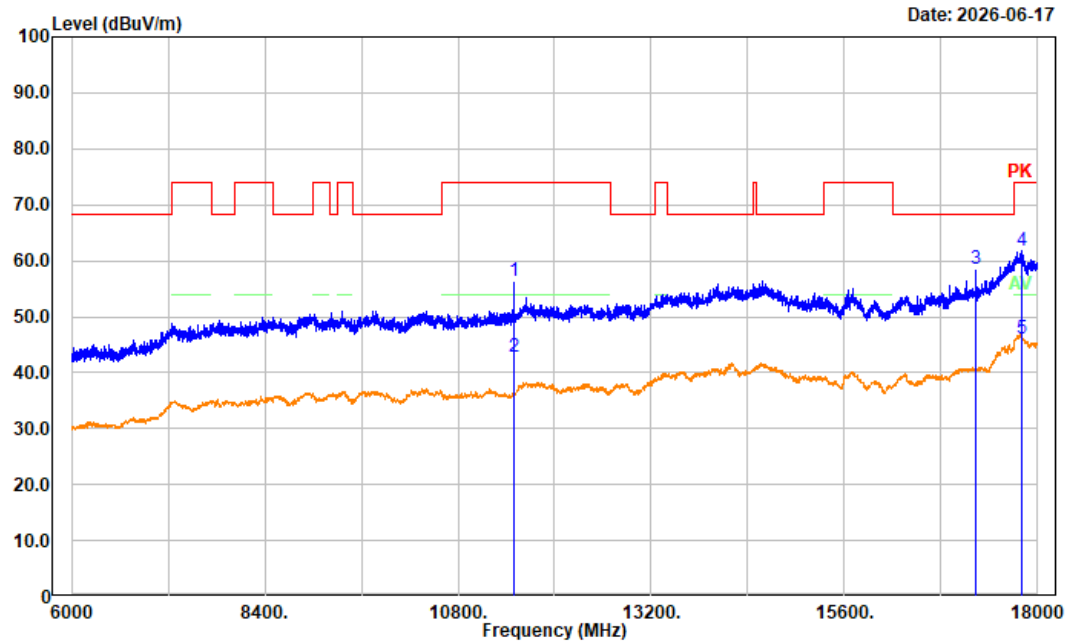
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	3883.000	39.19	3.37	42.56	74.00	31.44	Peak

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz; AV trace RBW:1MHz; VBW:5kHz
Polarization: horizontal
Note: 5G WiFi B4 n20 Mode Low Channel 5745 MHz



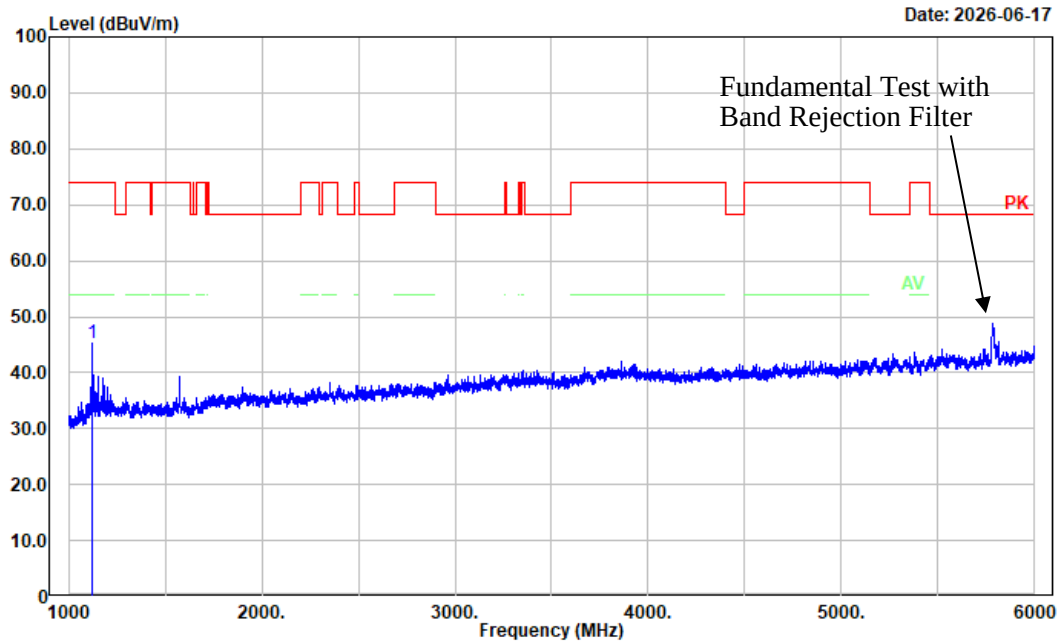
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	11490.000	38.83	13.97	52.80	74.00	21.20	Peak
2	11490.000	25.26	13.97	39.23	54.00	14.77	Average
3	17235.000	39.52	16.99	56.51	68.20	11.69	Peak
4	17755.200	40.37	21.20	61.57	74.00	12.43	Peak
5	17755.200	24.98	21.20	46.18	54.00	7.82	Average

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz; AV trace RBW:1MHz; VBW:5kHz
Polarization: vertical
Note: 5G WiFi B4 n20 Mode Low Channel 5745 MHz



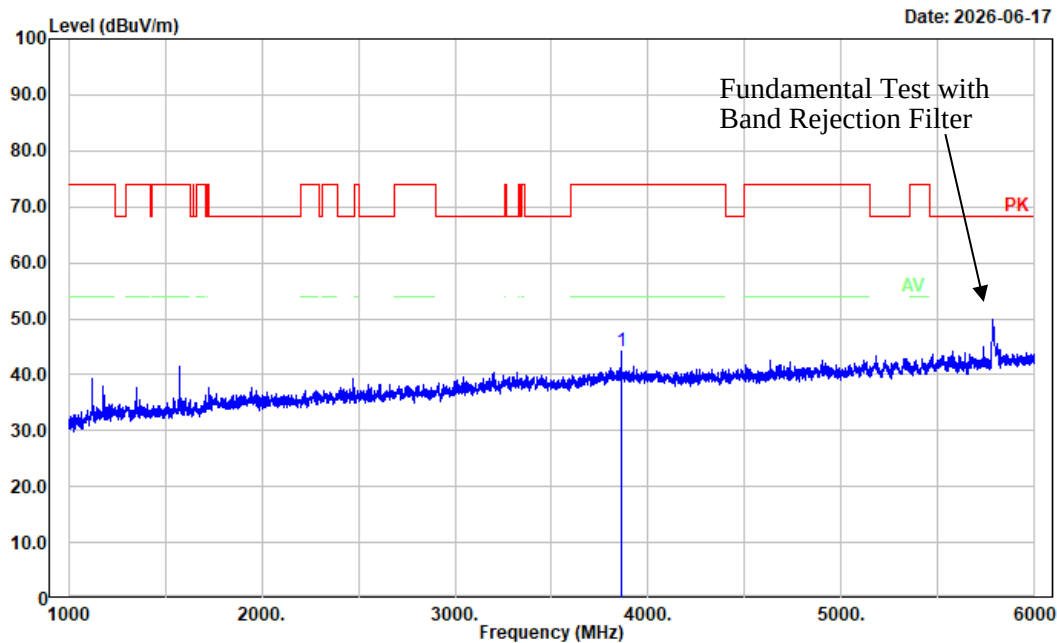
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	11490.000	42.38	13.97	56.35	74.00	17.65	Peak
2	11490.000	28.94	13.97	42.91	54.00	11.09	Average
3	17235.000	41.51	16.99	58.50	68.20	9.70	Peak
4	17803.200	40.48	21.36	61.84	74.00	12.16	Peak
5	17803.200	24.84	21.36	46.20	54.00	7.80	Average

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;
Polarization: horizontal
Note: 5G WiFi B4 n40 Mode High Channel 5795 MHz



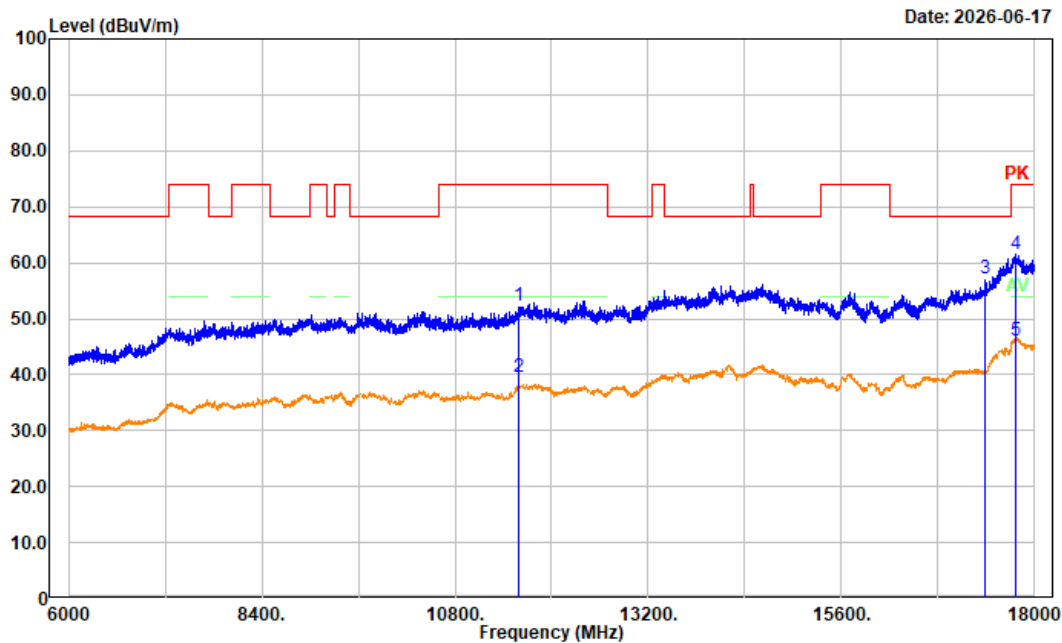
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	1125.000	50.25	-5.12	45.13	74.00	28.87	Peak

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;
Polarization: vertical
Note: 5G WiFi B4 n40 Mode High Channel 5795 MHz



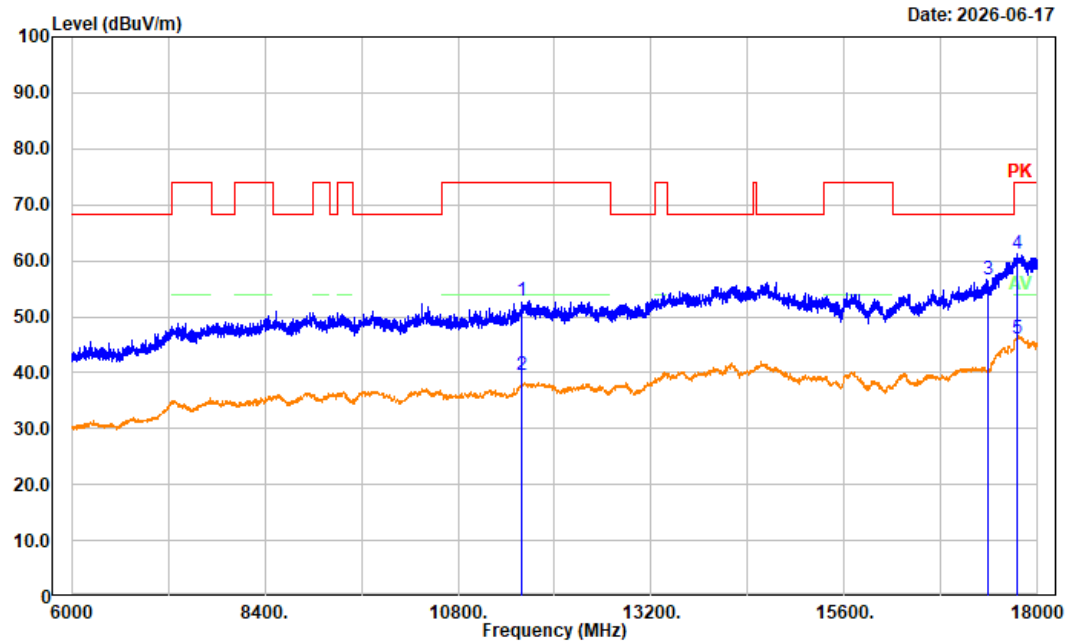
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	3863.000	40.74	3.39	44.13	74.00	29.87	Peak

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz; AV trace RBW:1MHz; VBW:5kHz
Polarization: horizontal
Note: 5G WiFi B4 n40 Mode High Channel 5795 MHz



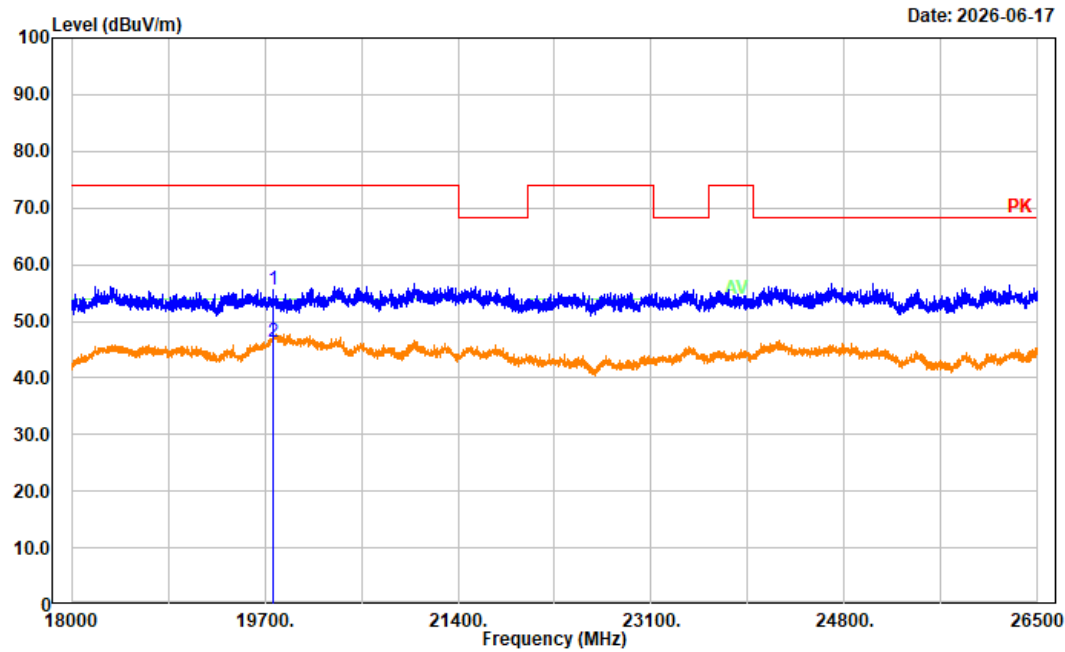
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	11590.000	37.92	14.43	52.35	74.00	21.65	Peak
2	11590.000	25.27	14.43	39.70	54.00	14.30	Average
3	17385.000	38.83	18.26	57.09	68.20	11.11	Peak
4	17767.200	40.28	21.24	61.52	74.00	12.48	Peak
5	17767.200	24.73	21.24	45.97	54.00	8.03	Average

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz; AV trace RBW:1MHz; VBW:5kHz
Polarization: vertical
Note: 5G WiFi B4 n40 Mode High Channel 5795 MHz



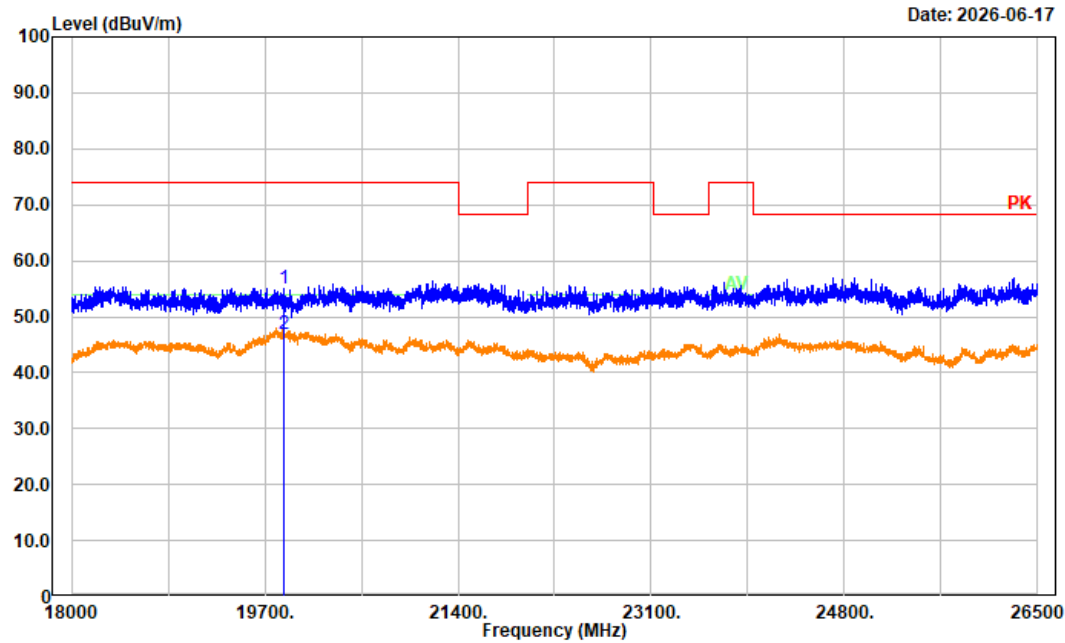
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	11590.000	38.31	14.43	52.74	74.00	21.26	Peak
2	11590.000	25.10	14.43	39.53	54.00	14.47	Average
3	17385.000	38.49	18.26	56.75	68.20	11.45	Peak
4	17738.400	40.06	21.15	61.21	74.00	12.79	Peak
5	17738.400	24.88	21.15	46.03	54.00	7.97	Average

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;AV trace RBW:1MHz; VBW:5kHz
Polarization: Horizontal
Note: 5G WiFi B1 n20 Mode Low Channel 5180 MHz



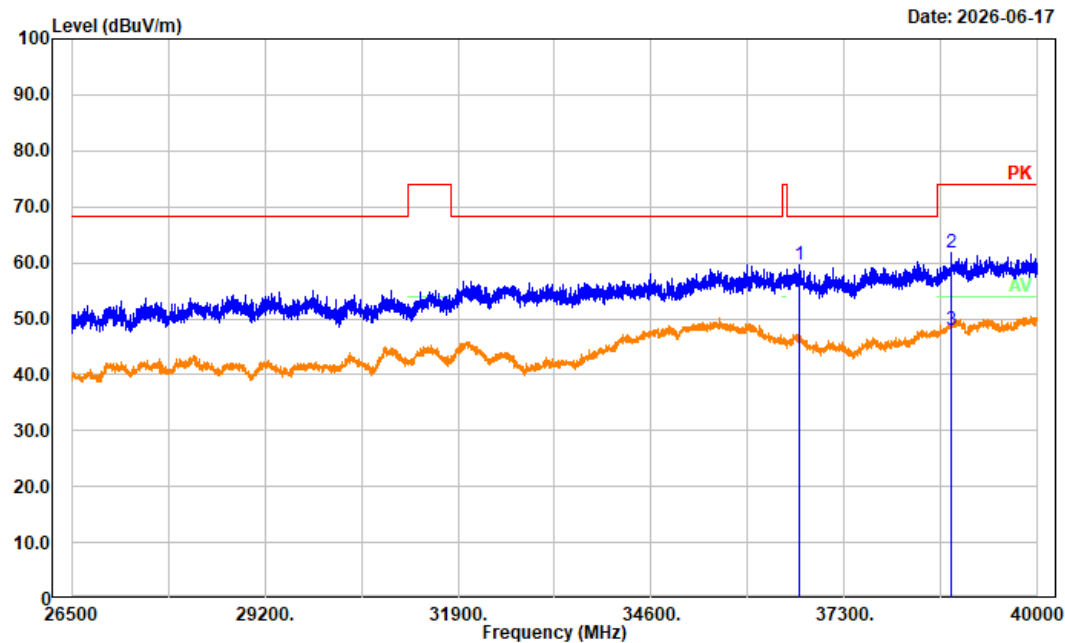
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	19779.900	51.00	4.59	55.59	74.00	18.41	Peak
2	19779.900	41.72	4.59	46.31	54.00	7.69	Average

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;AV trace RBW:1MHz; VBW:5kHz
Polarization: Vertical
Note: 5G WiFi B1 n20 Mode Low Channel 5180 MHz



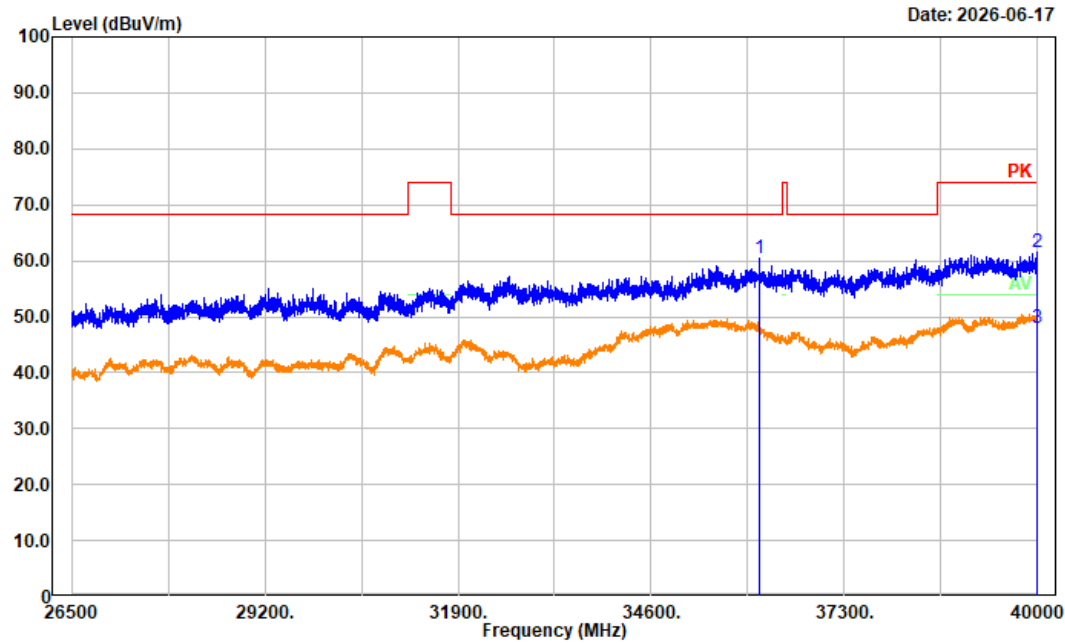
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	19863.200	48.45	6.59	55.04	74.00	18.96	Peak
2	19863.200	40.25	6.59	46.84	54.00	7.16	Average

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;AV trace RBW:1MHz; VBW:5kHz
Polarization: Horizontal
Note: 5G WiFi B1 n20 Mode Low Channel 5180 MHz



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	36673.600	53.49	6.23	59.72	68.20	8.48	Peak
2	38790.400	52.48	9.27	61.75	74.00	12.25	Peak
3	38790.400	38.57	9.27	47.84	54.00	6.16	Average

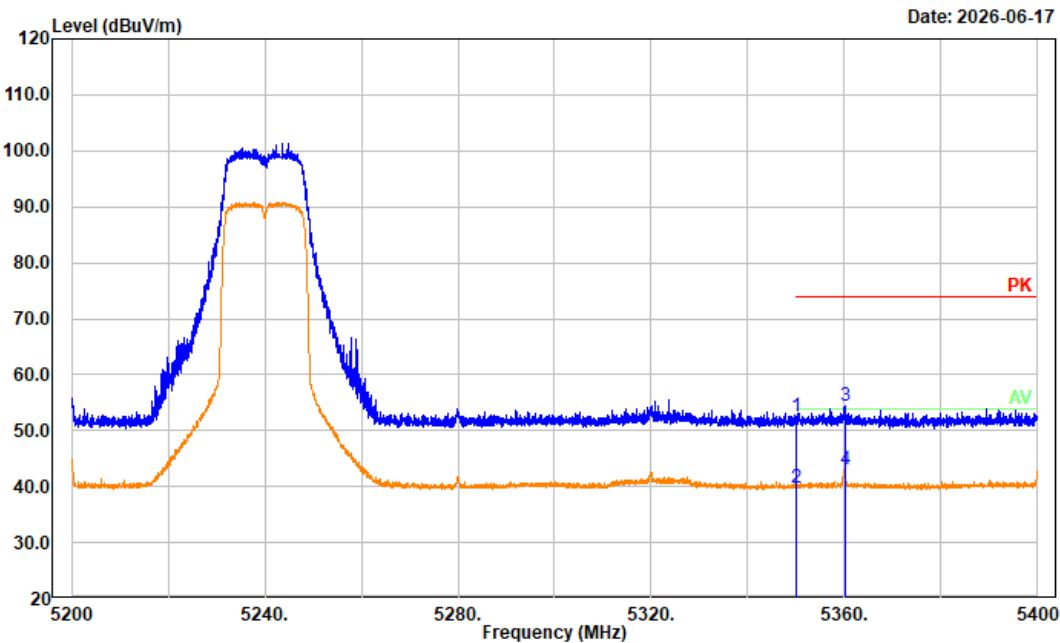
Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;AV trace RBW:1MHz; VBW:5kHz
Polarization: Vertical
Note: 5G WiFi B1 n20 Mode Low Channel 5180 MHz



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	36106.600	54.94	5.36	60.30	68.20	7.90	Peak
2	39991.900	55.54	5.92	61.46	74.00	12.54	Peak
3	39991.900	42.02	5.92	47.94	54.00	6.06	Average

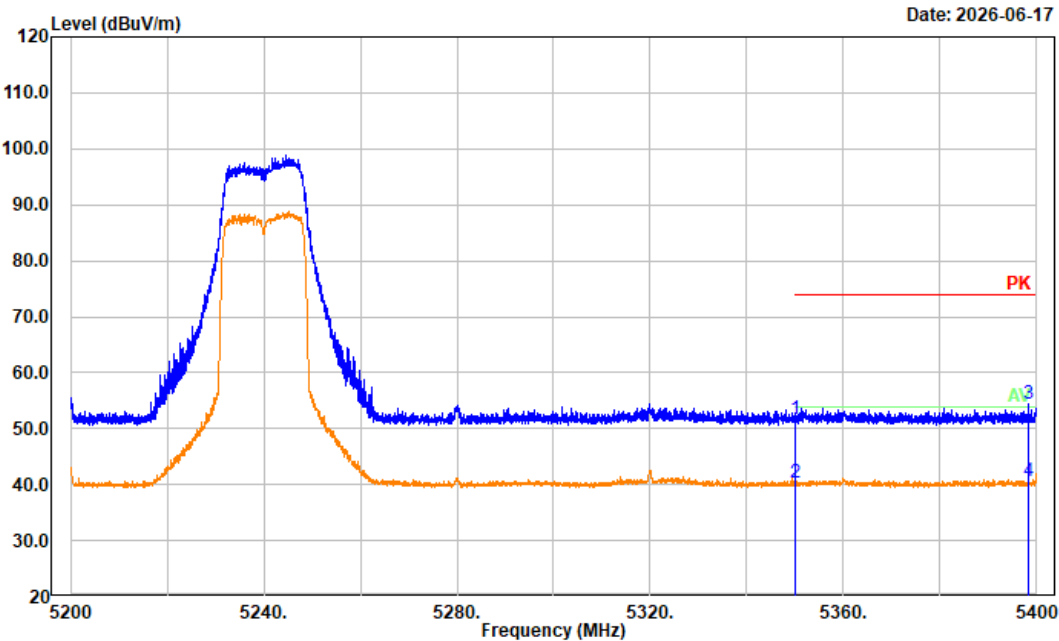
Band edge test plots

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz; AV trace RBW:1MHz; VBW:5kHz
Polarization: Horizontal
Note: 5G WiFi B1 a Mode High Channel 5240 MHz Chain 0



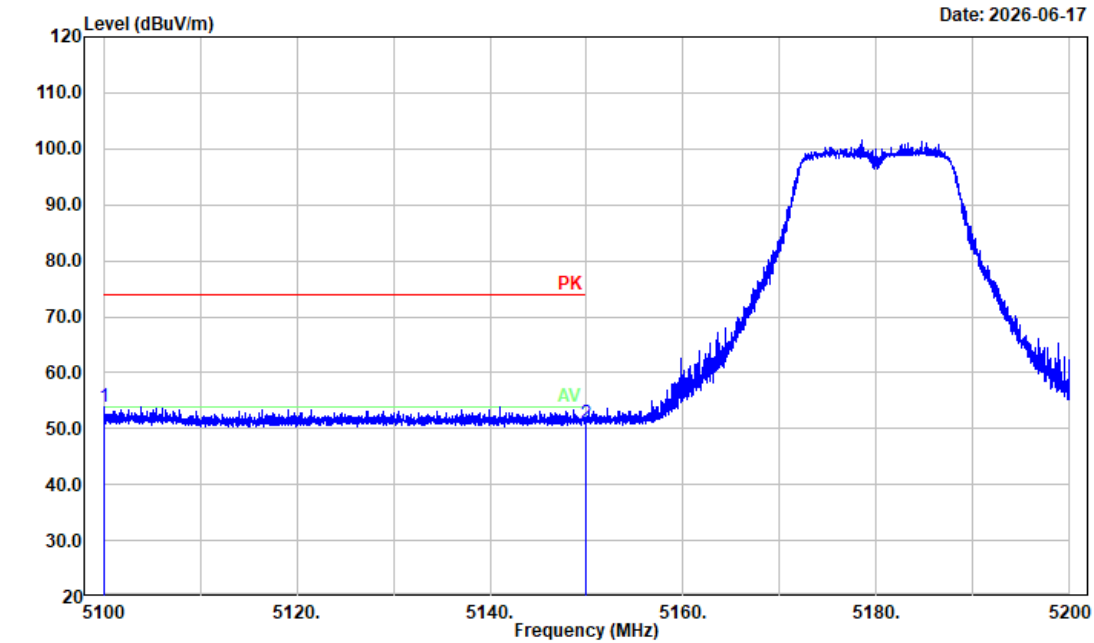
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	5350.000	46.15	6.43	52.58	74.00	21.42	Peak
2	5350.000	33.38	6.43	39.81	54.00	14.19	Average
3	5360.040	48.05	6.44	54.49	74.00	19.51	Peak
4	5360.040	36.47	6.44	42.91	54.00	11.09	Average

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz; AV trace RBW:1MHz; VBW:5kHz
Polarization: Vertical
Note: 5G WiFi B1 a Mode High Channel 5240 MHz Chain 0



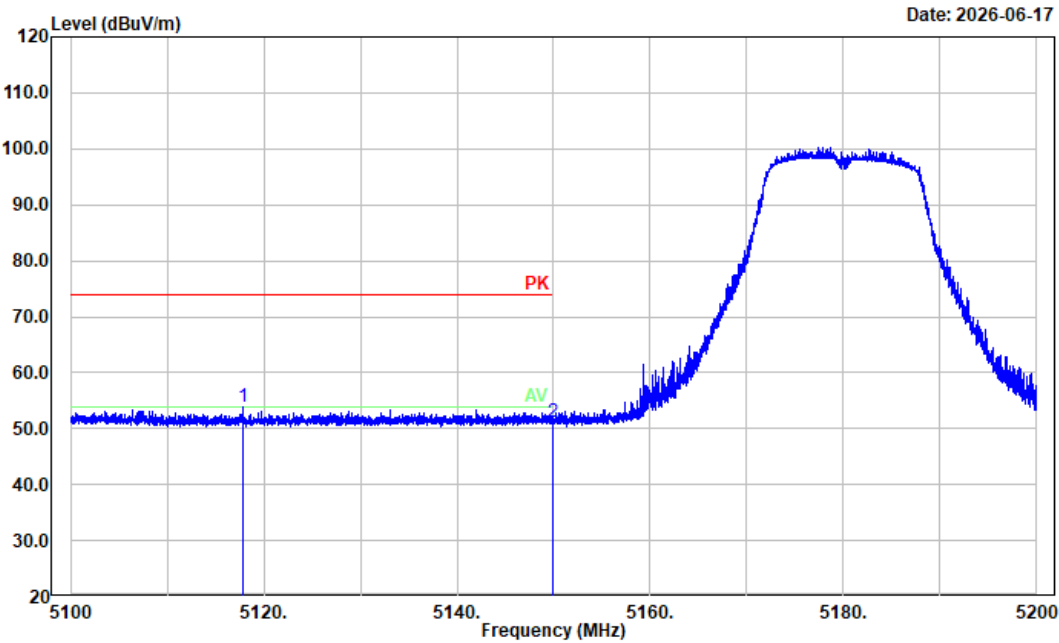
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	5350.000	45.41	6.43	51.84	74.00	22.16	Peak
2	5350.000	33.82	6.43	40.25	54.00	13.75	Average
3	5398.440	47.88	6.45	54.33	74.00	19.67	Peak
4	5398.440	34.15	6.45	40.60	54.00	13.40	Average

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;
Polarization: Horizontal
Note: 5G WiFi B1 a Mode Low Channel 5180 MHz Chain 0



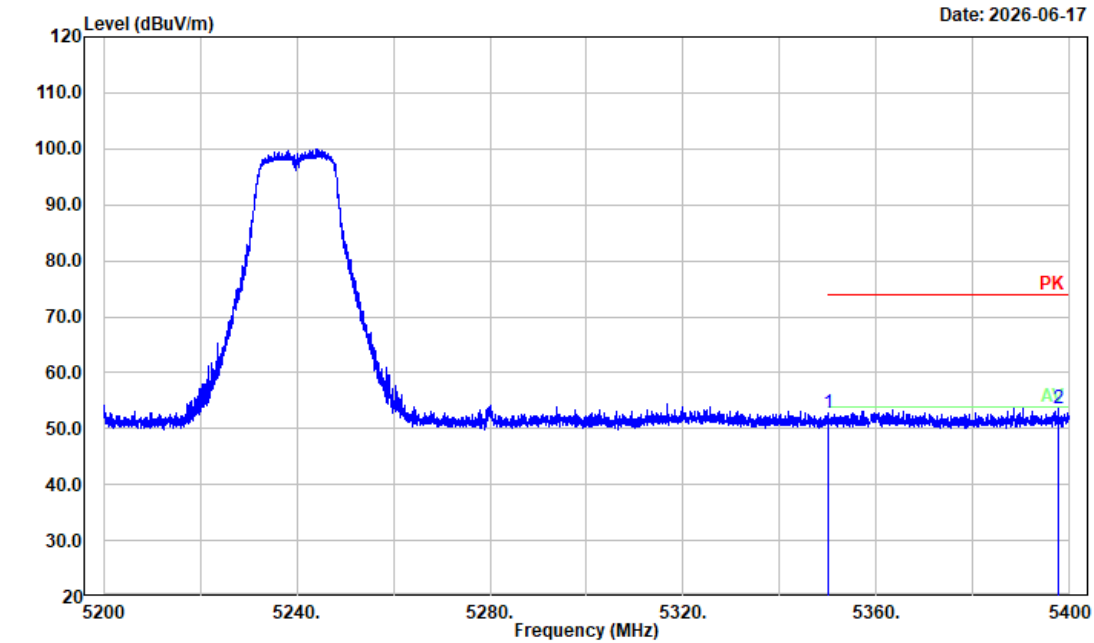
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	5100.140	48.26	5.62	53.88	74.00	20.12	Peak
2	5150.000	45.12	5.83	50.95	74.00	23.05	Peak

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;
Polarization: Vertical
Note: 5G WiFi B1 a Mode Low Channel 5180 MHz Chain 0



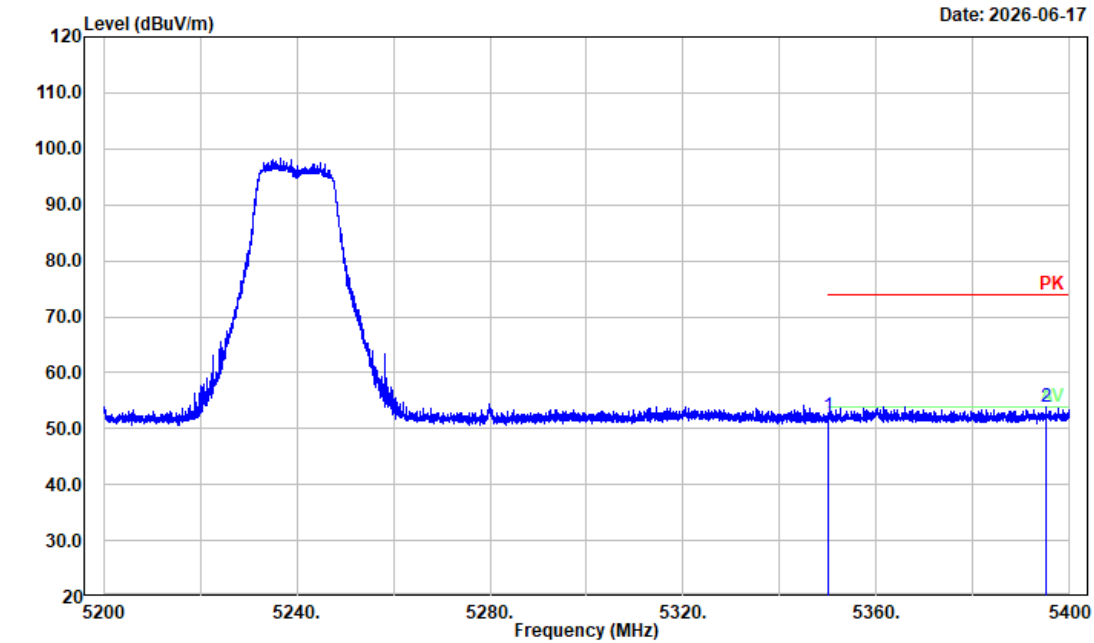
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	5117.780	48.09	5.69	53.78	74.00	20.22	Peak
2	5150.000	45.32	5.83	51.15	74.00	22.85	Peak

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;
Polarization: Horizontal
Note: 5G WiFi B1 a Mode High Channel 5240 MHz Chain 1



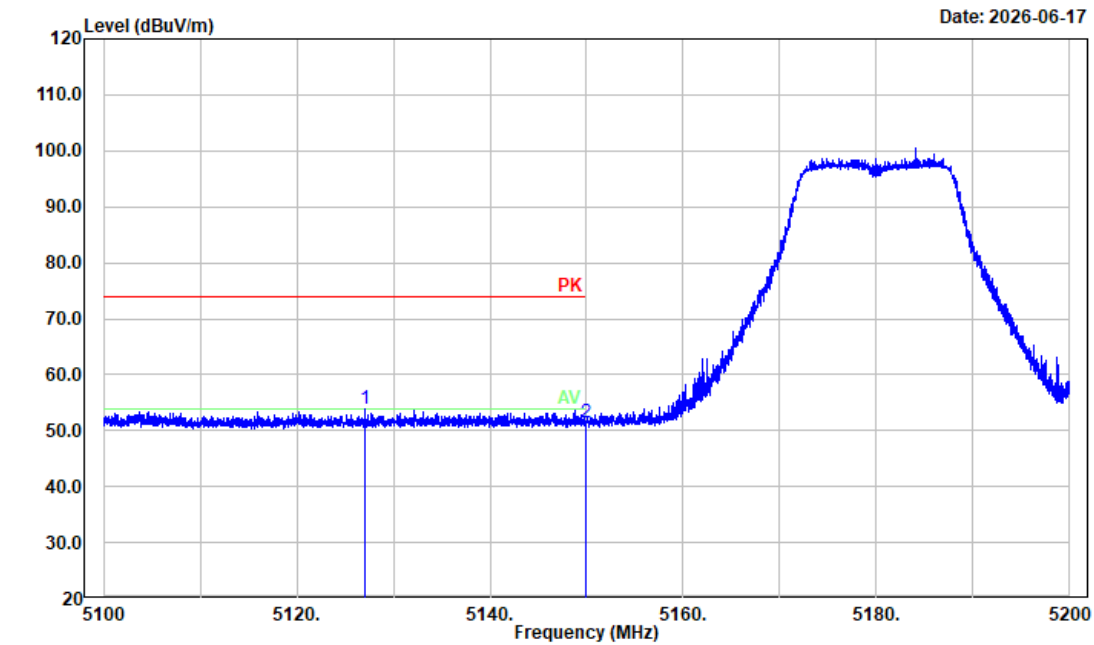
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	5350.000	46.43	6.43	52.86	74.00	21.14	Peak
2	5397.694	47.17	6.46	53.63	74.00	20.37	Peak

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;
Polarization: Vertical
Note: 5G WiFi B1 a Mode High Channel 5240 MHz Chain 1



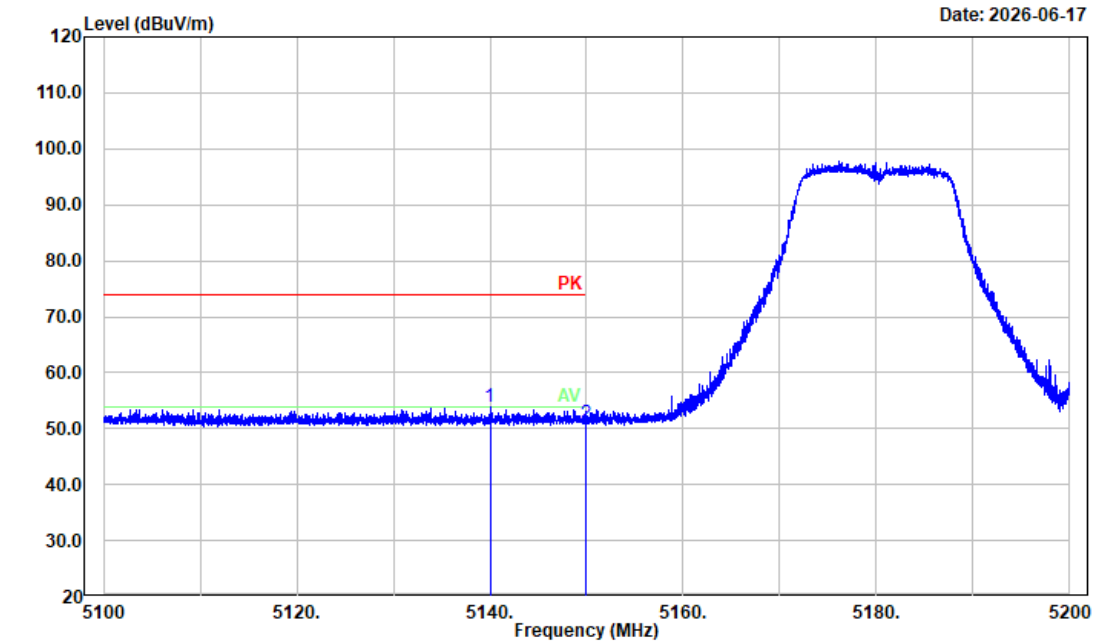
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	5350.000	45.93	6.43	52.36	74.00	21.64	Peak
2	5395.132	47.49	6.45	53.94	74.00	20.06	Peak

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;
Polarization: Horizontal
Note: 5G WiFi B1 a Mode Low Channel 5180 MHz Chain 1



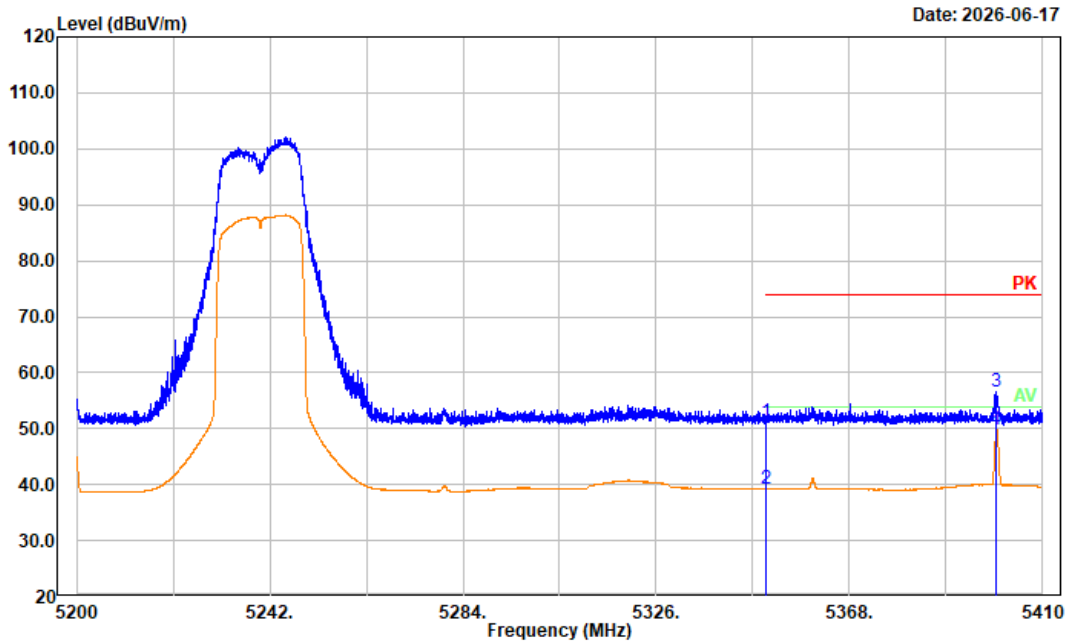
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	5127.000	48.09	5.74	53.83	74.00	20.17	Peak
2	5150.000	45.50	5.83	51.33	74.00	22.67	Peak

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;
Polarization: Vertical
Note: 5G WiFi B1 a Mode Low Channel 5180 MHz Chain 1



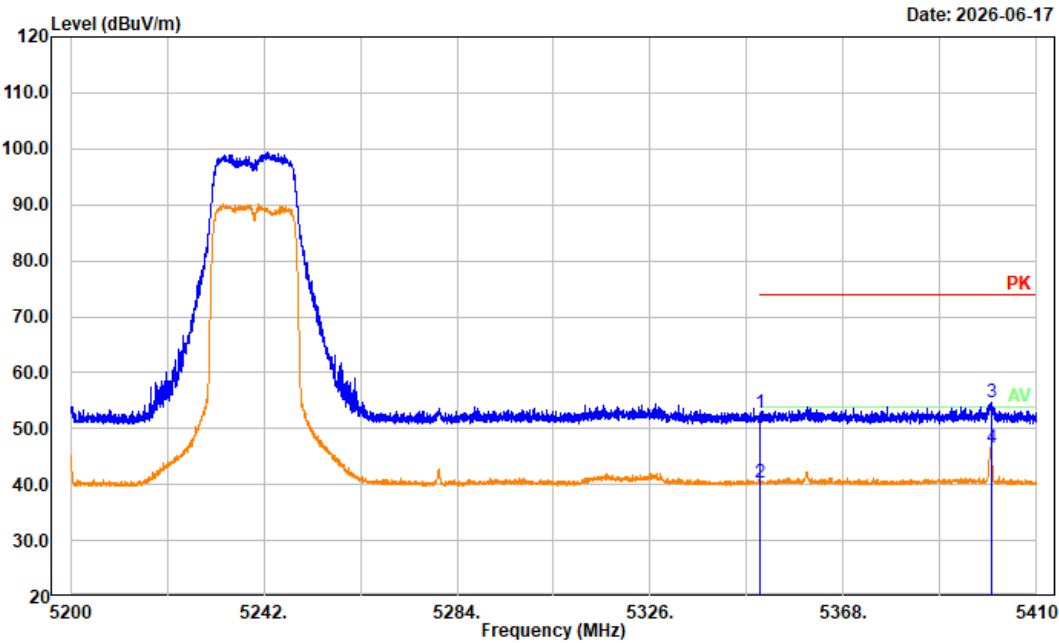
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	5140.000	48.12	5.79	53.91	74.00	20.09	Peak
2	5150.000	45.19	5.83	51.02	74.00	22.98	Peak

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz; AV trace RBW:1MHz; VBW:5kHz
Polarization: Horizontal
Note: 5G WiFi B1 n20 Mode High Channel 5240 MHz



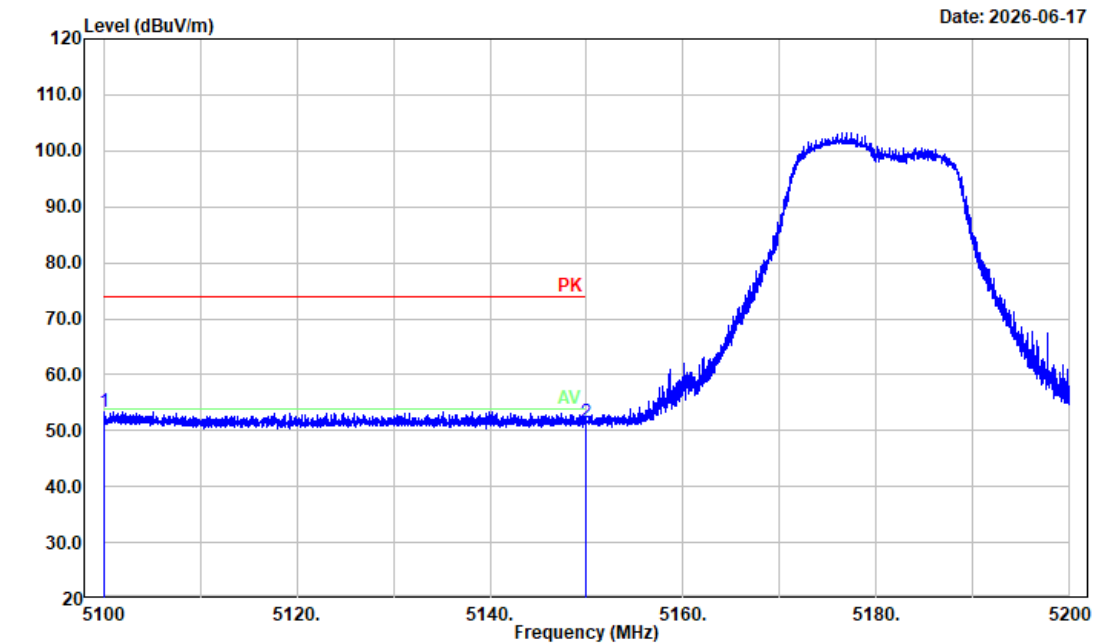
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	5350.000	44.69	6.43	51.12	74.00	22.88	Peak
2	5350.000	32.89	6.43	39.32	54.00	14.68	Average
3	5399.878	50.09	6.45	56.54	74.00	17.46	Peak
4	5399.878	43.34	6.45	49.79	54.00	4.21	Average

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz; AV trace RBW:1MHz; VBW:5kHz
Polarization: Vertical
Note: 5G WiFi B1 n20 Mode High Channel 5240 MHz



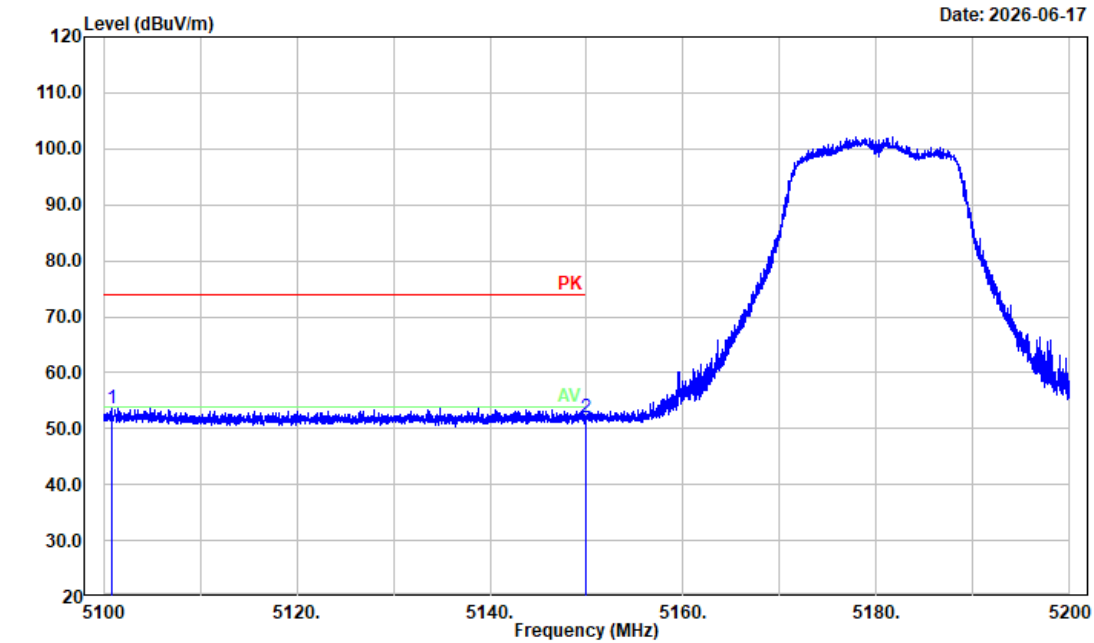
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	5350.000	46.24	6.43	52.67	74.00	21.33	Peak
2	5350.000	33.79	6.43	40.22	54.00	13.78	Average
3	5400.088	48.35	6.45	54.80	74.00	19.20	Peak
4	5400.088	40.12	6.45	46.57	54.00	7.43	Average

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;
Polarization: Horizontal
Note: 5G WiFi B1 n20 Mode Low Channel 5180 MHz



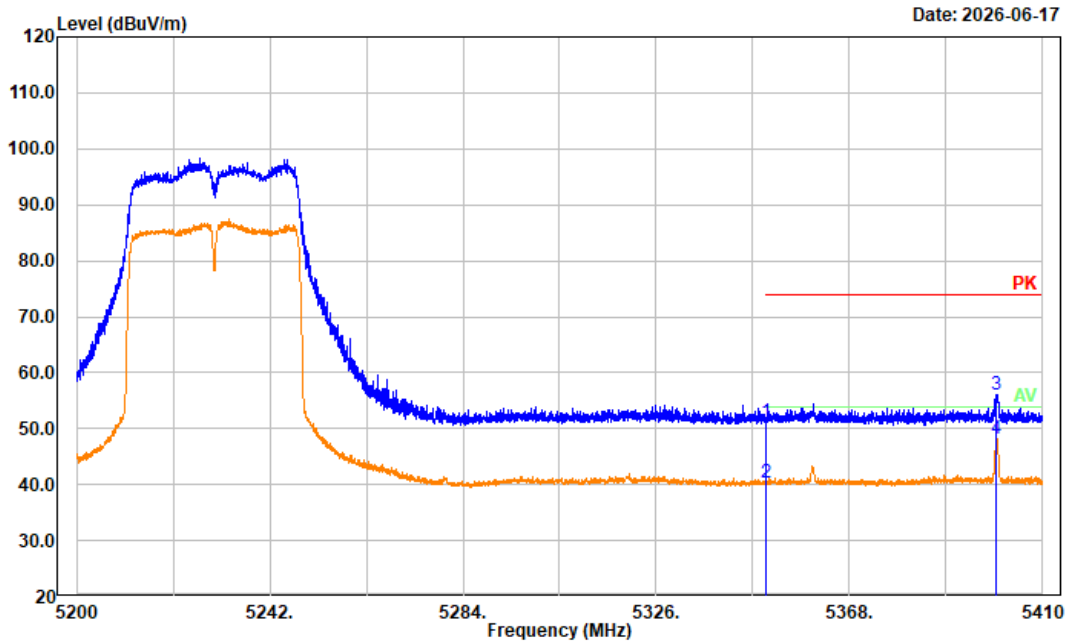
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	5100.120	47.81	5.62	53.43	74.00	20.57	Peak
2	5150.000	45.71	5.83	51.54	74.00	22.46	Peak

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;
Polarization: Vertical
Note: 5G WiFi B1 n20 Mode Low Channel 5180 MHz



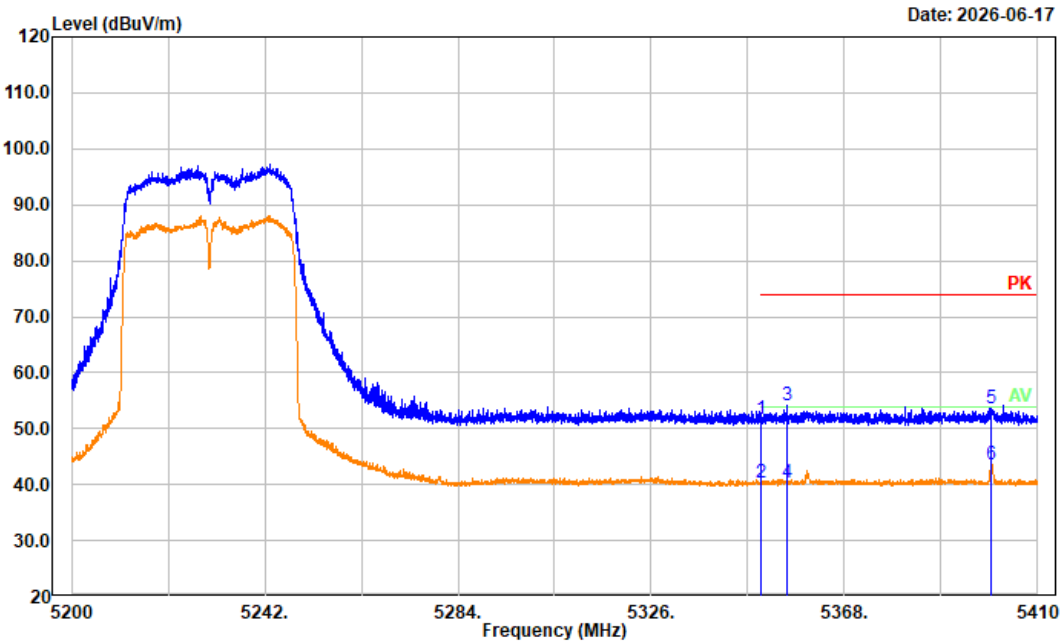
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	5100.820	47.99	5.62	53.61	74.00	20.39	Peak
2	5150.000	46.18	5.83	52.01	74.00	21.99	Peak

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz; AV trace RBW:1MHz; VBW:5kHz
Polarization: Horizontal
Note: 5G WiFi B1 n40 Mode High Channel 5230 MHz



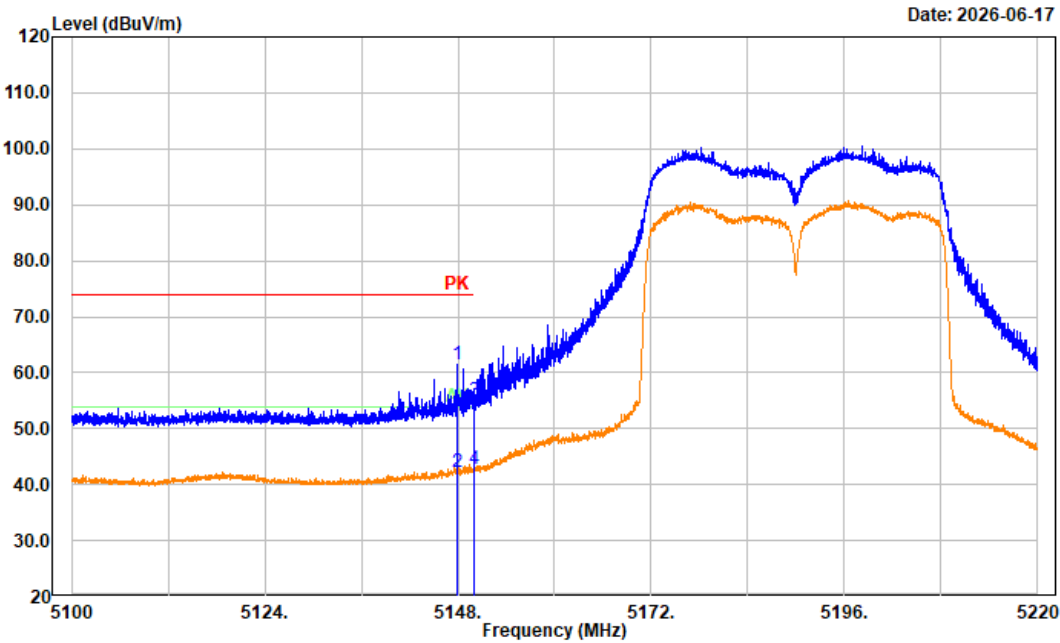
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	5350.000	44.73	6.43	51.16	74.00	22.84	Peak
2	5350.000	34.00	6.43	40.43	54.00	13.57	Average
3	5399.920	49.72	6.45	56.17	74.00	17.83	Peak
4	5399.920	41.63	6.45	48.08	54.00	5.92	Average

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz; AV trace RBW:1MHz; VBW:5kHz
Polarization: Vertical
Note: 5G WiFi B1 n40 Mode High Channel 5230 MHz



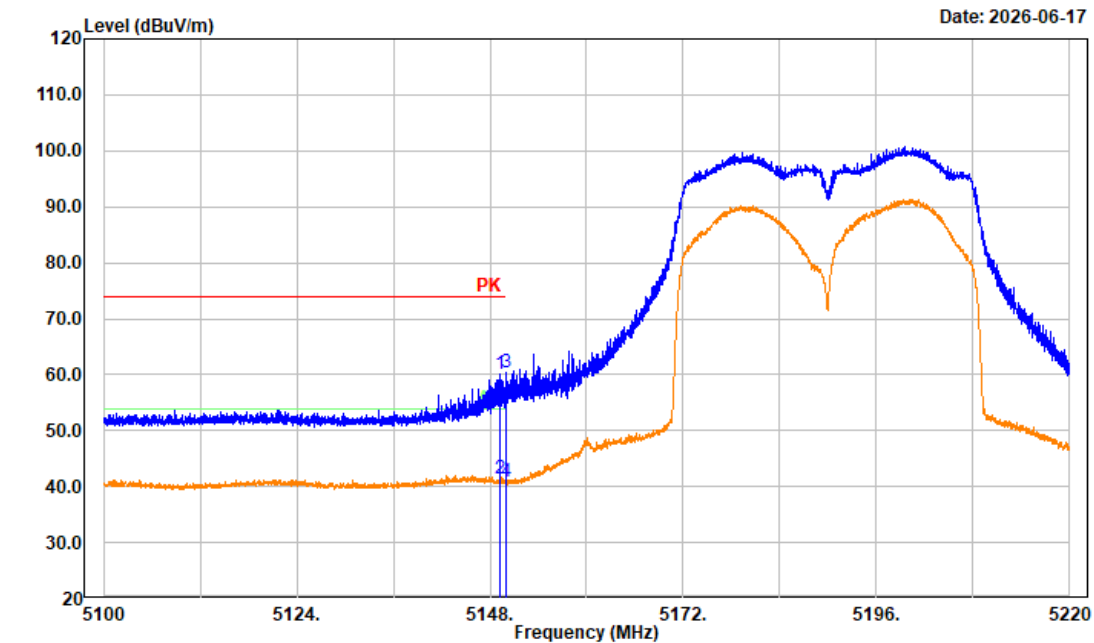
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	5350.000	45.29	6.43	51.72	74.00	22.28	Peak
2	5350.000	34.03	6.43	40.46	54.00	13.54	Average
3	5355.484	47.71	6.43	54.14	74.00	19.86	Peak
4	5355.484	33.92	6.43	40.35	54.00	13.65	Average
5	5400.004	47.25	6.45	53.70	74.00	20.30	Peak
6	5400.004	37.06	6.45	43.51	54.00	10.49	Average

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz; AV trace RBW:1MHz; VBW:5kHz
Polarization: Horizontal
Note: 5G WiFi B1 n40 Mode Low Channel 5190 MHz



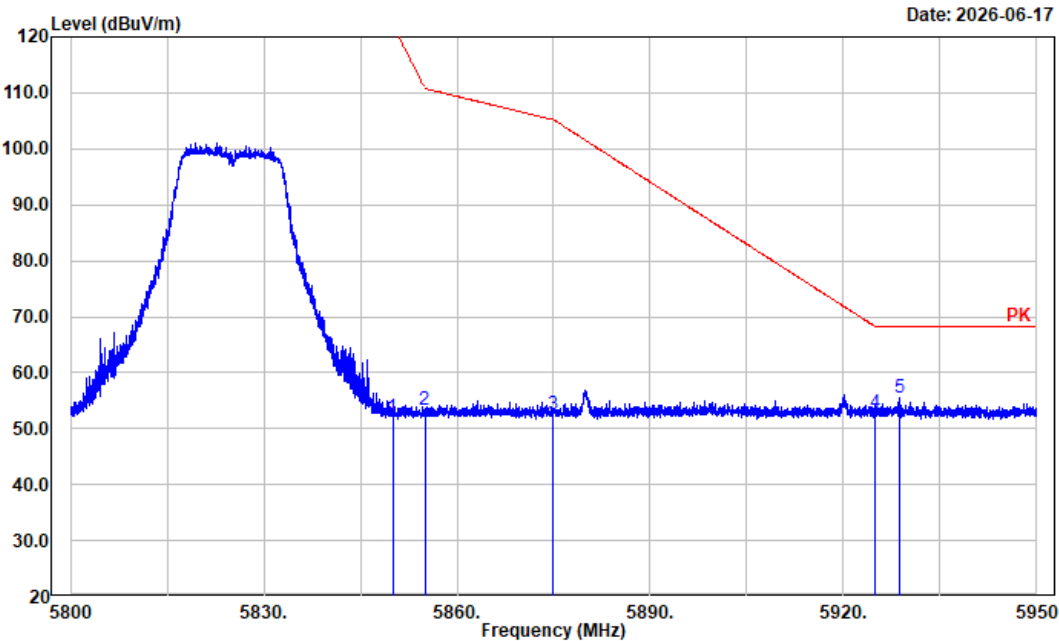
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	5147.904	55.69	5.82	61.51	74.00	12.49	Peak
2	5147.904	36.37	5.82	42.19	54.00	11.81	Average
3	5150.000	49.08	5.83	54.91	74.00	19.09	Peak
4	5150.000	37.06	5.83	42.89	54.00	11.11	Average

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz; AV trace RBW:1MHz; VBW:5kHz
Polarization: Vertical
Note: 5G WiFi B1 n40 Mode Low Channel 5190 MHz



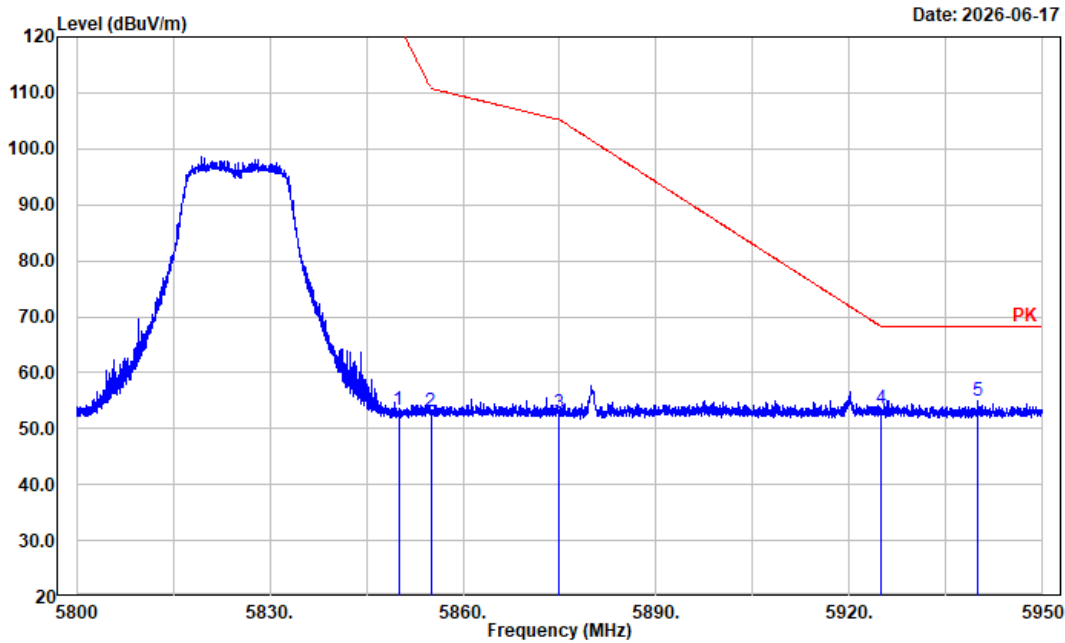
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	5149.224	54.22	5.83	60.05	74.00	13.95	Peak
2	5149.224	35.48	5.83	41.31	54.00	12.69	Average
3	5150.000	54.43	5.83	60.26	74.00	13.74	Peak
4	5150.000	35.13	5.83	40.96	54.00	13.04	Average

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;
Polarization: Horizontal
Note: 5G WiFi B4 a Mode High Channel 5825 MHz Chain 0



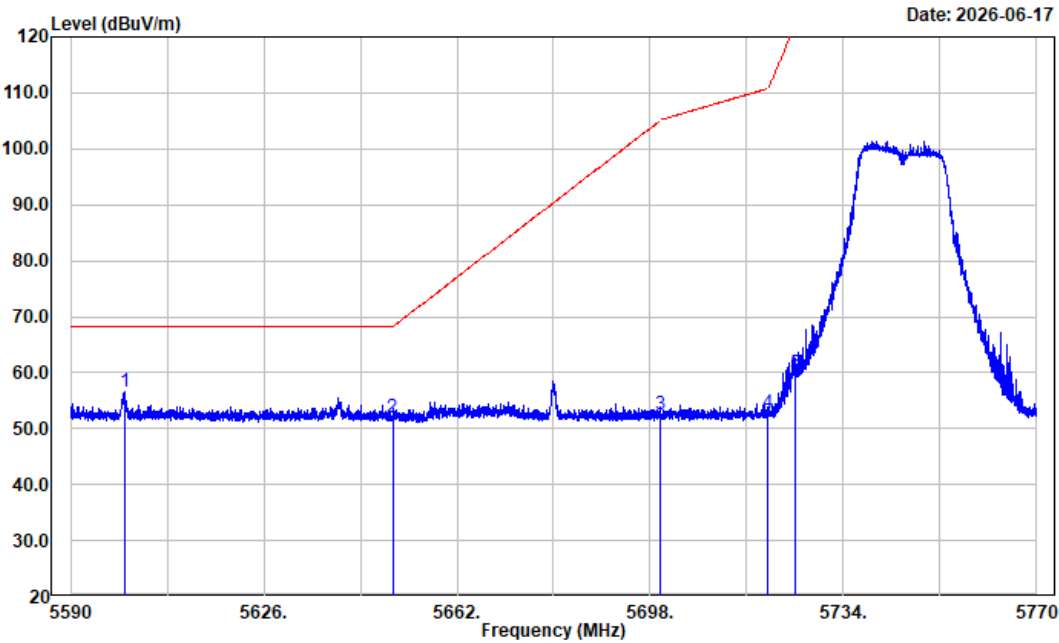
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	5850.000	45.19	6.92	52.11	122.20	70.09	Peak
2	5855.000	46.46	6.94	53.40	110.80	57.40	Peak
3	5875.000	45.39	7.02	52.41	105.20	52.79	Peak
4	5925.000	45.75	7.17	52.92	68.20	15.28	Peak
5	5928.700	48.25	7.18	55.43	68.20	12.77	Peak

Project No: 2603S14259E-RF
 Tester: HuaYuan Miao
 Condition: PK trace RBW:1MHz; VBW:3MHz;
 Polarization: Vertical
 Note: 5G WiFi B4 a Mode High Channel 5825 MHz Chain 0



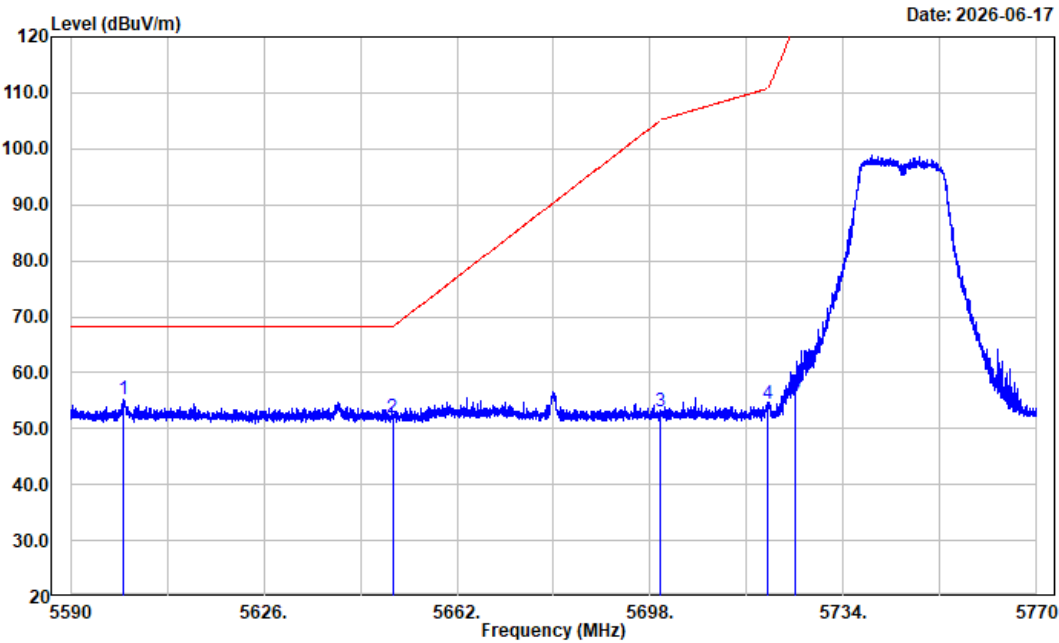
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	5850.000	46.53	6.92	53.45	122.20	68.75	Peak
2	5855.000	46.19	6.94	53.13	110.80	57.67	Peak
3	5875.000	45.77	7.02	52.79	105.20	52.41	Peak
4	5925.000	46.43	7.17	53.60	68.20	14.60	Peak
5	5940.010	47.80	7.21	55.01	68.20	13.19	Peak

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;
Polarization: Horizontal
Note: 5G WiFi B4 a Mode Low Channel 5745 MHz Chain 0



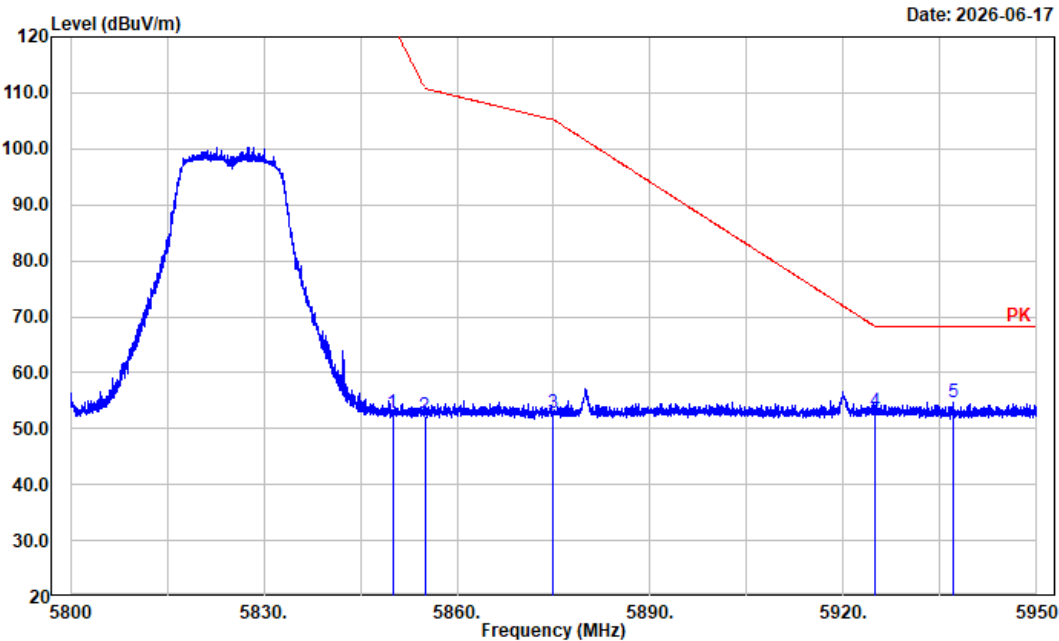
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	5600.080	49.74	6.82	56.56	68.20	11.64	Peak
2	5650.000	45.03	6.83	51.86	68.20	16.34	Peak
3	5700.000	45.78	6.81	52.59	105.20	52.61	Peak
4	5720.000	45.84	6.83	52.67	110.80	58.13	Peak
5	5725.000	53.13	6.83	59.96	122.20	62.24	Peak

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;
Polarization: Vertical
Note: 5G WiFi B4 a Mode Low Channel 5745 MHz Chain 0



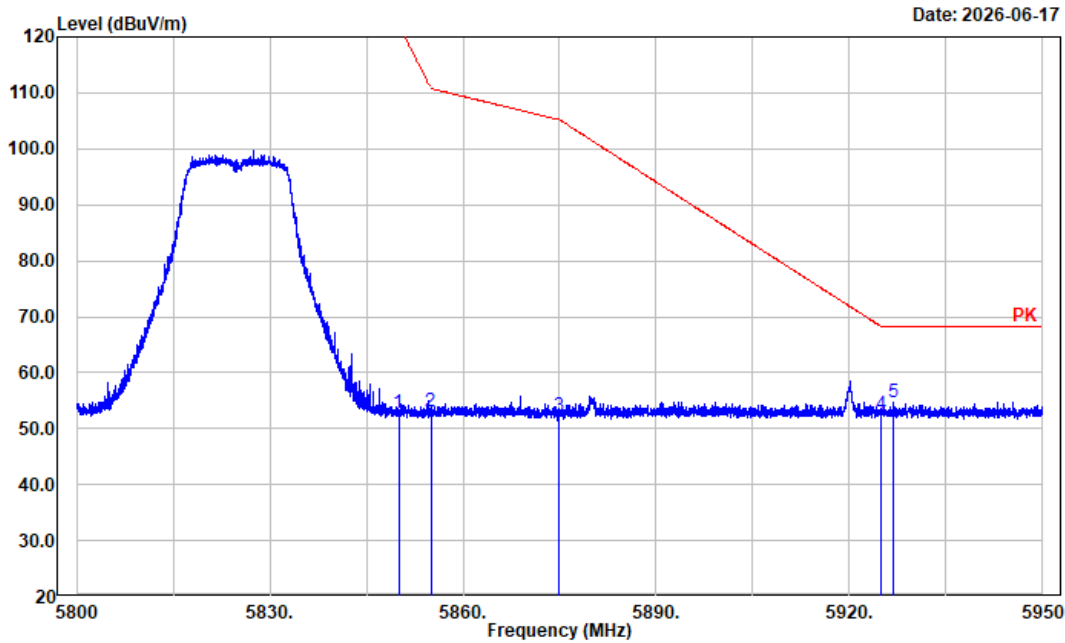
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	5599.972	48.51	6.82	55.33	68.20	12.87	Peak
2	5650.000	45.04	6.83	51.87	68.20	16.33	Peak
3	5700.000	46.22	6.81	53.03	105.20	52.17	Peak
4	5720.000	47.53	6.83	54.36	110.80	56.44	Peak
5	5725.000	49.10	6.83	55.93	122.20	66.27	Peak

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;
Polarization: Horizontal
Note: 5G WiFi B4 a Mode High Channel 5825 MHz Chain 1



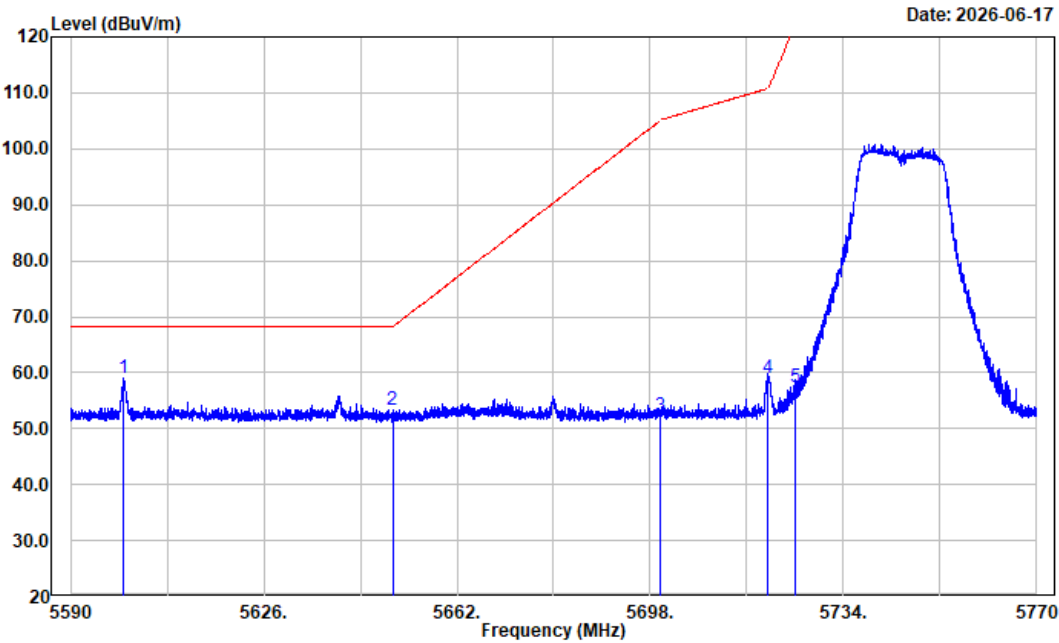
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	5850.000	45.86	6.92	52.78	122.20	69.42	Peak
2	5855.000	45.43	6.94	52.37	110.80	58.43	Peak
3	5875.000	45.84	7.02	52.86	105.20	52.34	Peak
4	5925.000	45.89	7.17	53.06	68.20	15.14	Peak
5	5936.950	47.50	7.21	54.71	68.20	13.49	Peak

Project No: 2603S14259E-RF
 Tester: HuaYuan Miao
 Condition: PK trace RBW:1MHz; VBW:3MHz;
 Polarization: Vertical
 Note: 5G WiFi B4 a Mode High Channel 5825 MHz Chain 1



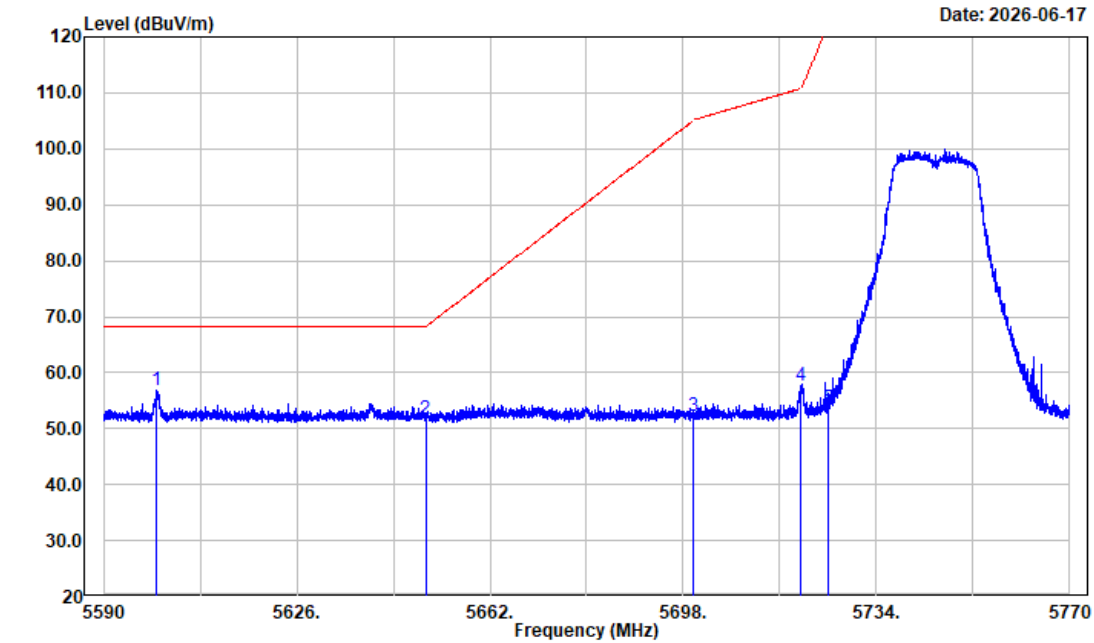
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	5850.000	45.79	6.92	52.71	122.20	69.49	Peak
2	5855.000	46.18	6.94	53.12	110.80	57.68	Peak
3	5875.000	45.17	7.02	52.19	105.20	53.01	Peak
4	5925.000	45.42	7.17	52.59	68.20	15.61	Peak
5	5926.810	47.60	7.18	54.78	68.20	13.42	Peak

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;
Polarization: Horizontal
Note: 5G WiFi B4 a Mode Low Channel 5745 MHz Chain 1



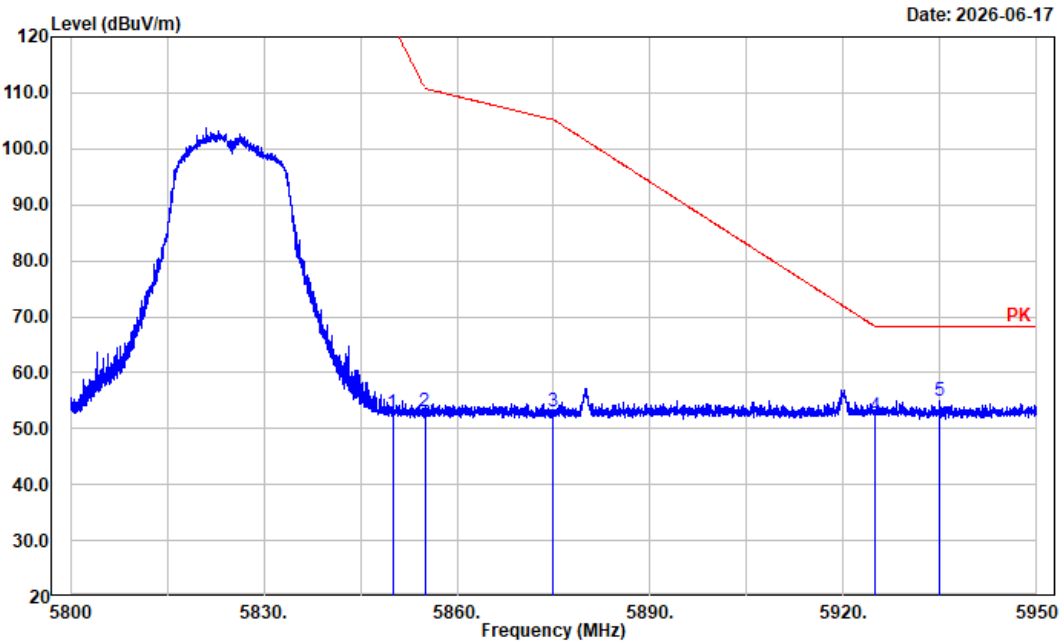
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	5599.900	52.20	6.82	59.02	68.20	9.18	Peak
2	5650.000	46.39	6.83	53.22	68.20	14.98	Peak
3	5700.000	45.47	6.81	52.28	105.20	52.92	Peak
4	5720.000	52.16	6.83	58.99	110.80	51.81	Peak
5	5725.000	50.58	6.83	57.41	122.20	64.79	Peak

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;
Polarization: Vertical
Note: 5G WiFi B4 a Mode Low Channel 5745 MHz Chain 1



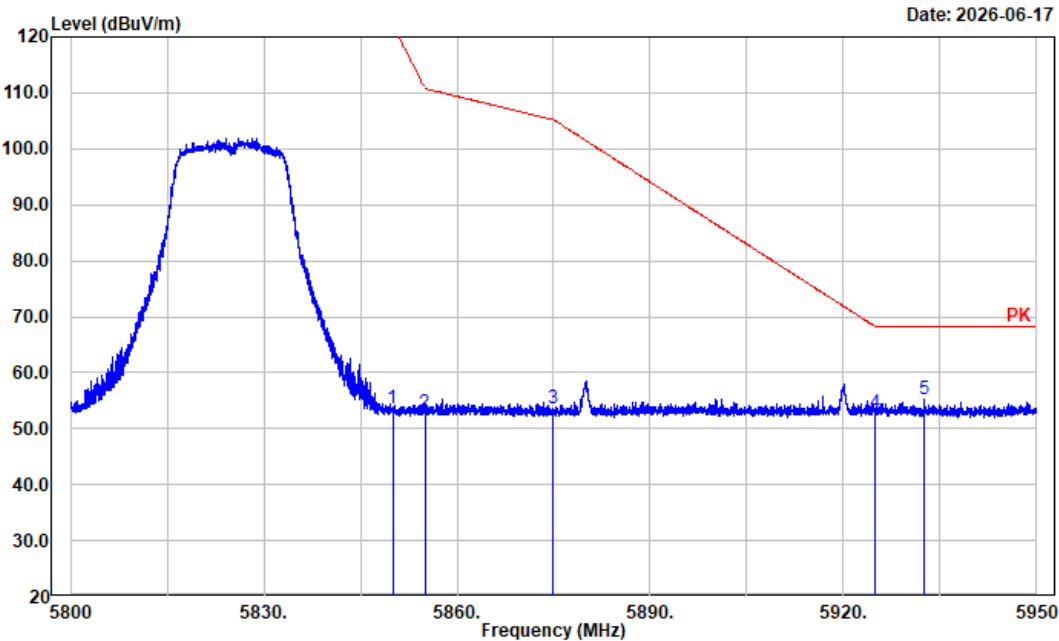
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	5599.792	50.02	6.82	56.84	68.20	11.36	Peak
2	5650.000	44.77	6.83	51.60	68.20	16.60	Peak
3	5700.000	45.41	6.81	52.22	105.20	52.98	Peak
4	5720.000	50.97	6.83	57.80	110.80	53.00	Peak
5	5725.000	46.73	6.83	53.56	122.20	68.64	Peak

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;
Polarization: Horizontal
Note: 5G WiFi B4 n20 Mode High Channel 5825 MHz



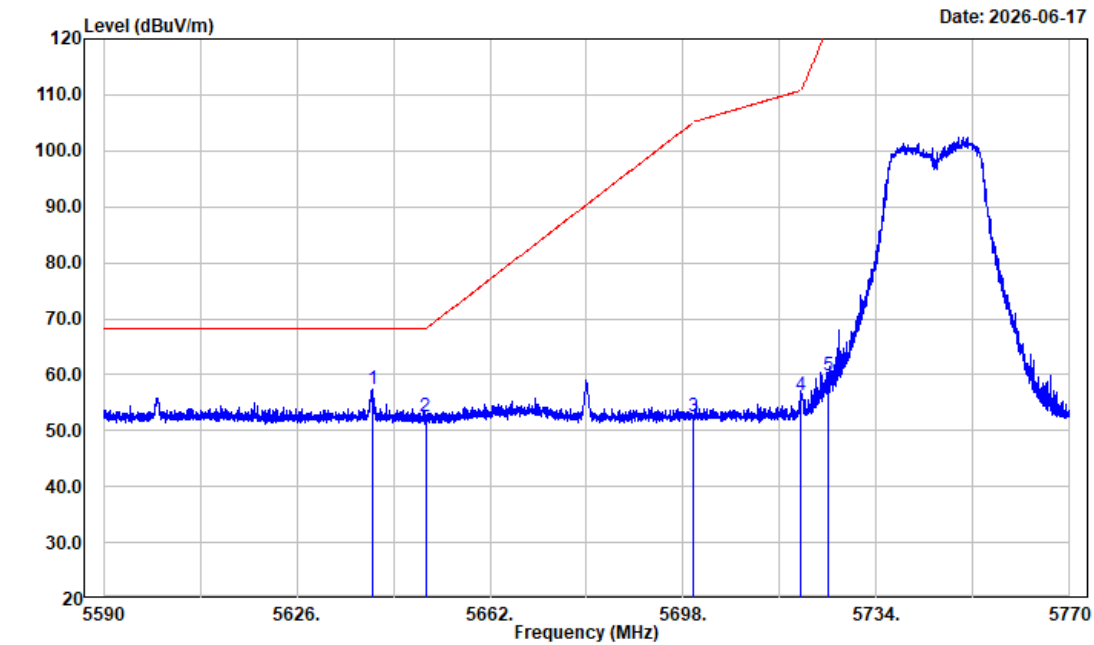
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	5850.000	45.99	6.92	52.91	122.20	69.29	Peak
2	5855.000	45.99	6.94	52.93	110.80	57.87	Peak
3	5875.000	46.04	7.02	53.06	105.20	52.14	Peak
4	5925.000	44.95	7.17	52.12	68.20	16.08	Peak
5	5934.880	47.76	7.20	54.96	68.20	13.24	Peak

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;
Polarization: Vertical
Note: 5G WiFi B4 n20 Mode High Channel 5825 MHz



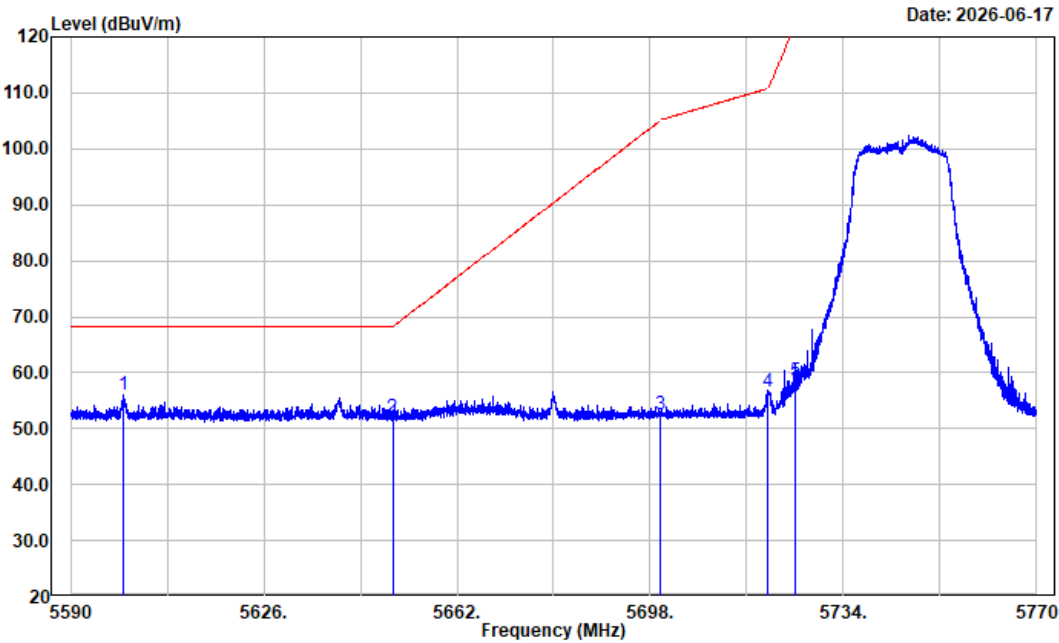
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	5850.000	46.63	6.92	53.55	122.20	68.65	Peak
2	5855.000	45.80	6.94	52.74	110.80	58.06	Peak
3	5875.000	46.54	7.02	53.56	105.20	51.64	Peak
4	5925.000	45.73	7.17	52.90	68.20	15.30	Peak
5	5932.600	48.03	7.20	55.23	68.20	12.97	Peak

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;
Polarization: Horizontal
Note: 5G WiFi B4 n20 Mode Low Channel 5745 MHz



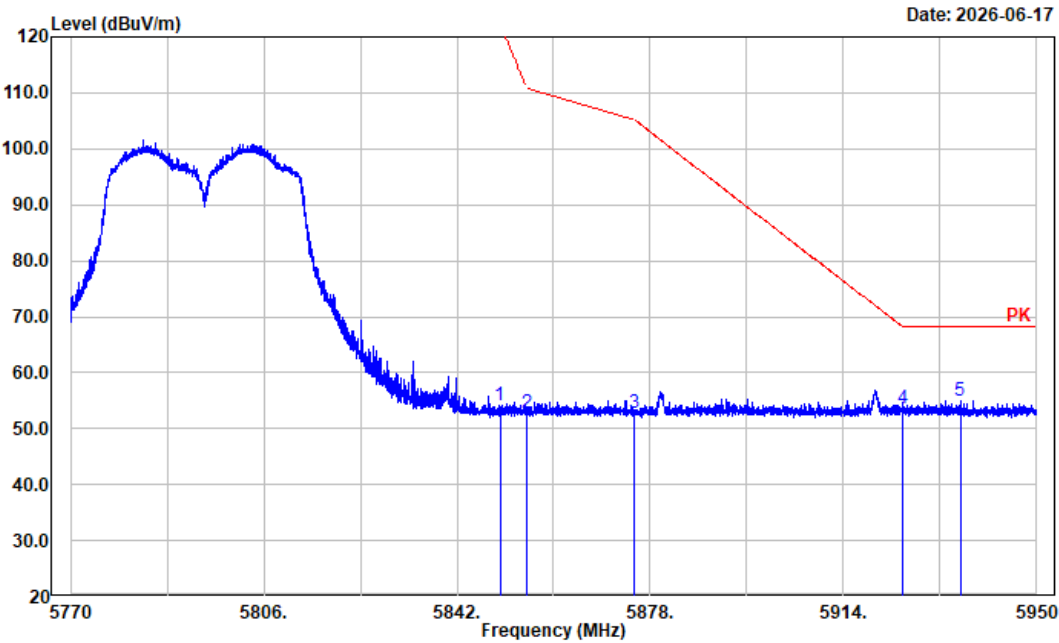
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	5640.184	50.54	6.82	57.36	68.20	10.84	Peak
2	5650.000	45.76	6.83	52.59	68.20	15.61	Peak
3	5700.000	45.81	6.81	52.62	105.20	52.58	Peak
4	5720.000	49.44	6.83	56.27	110.80	54.53	Peak
5	5725.000	53.14	6.83	59.97	122.20	62.23	Peak

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;
Polarization: Vertical
Note: 5G WiFi B4 n20 Mode Low Channel 5745 MHz



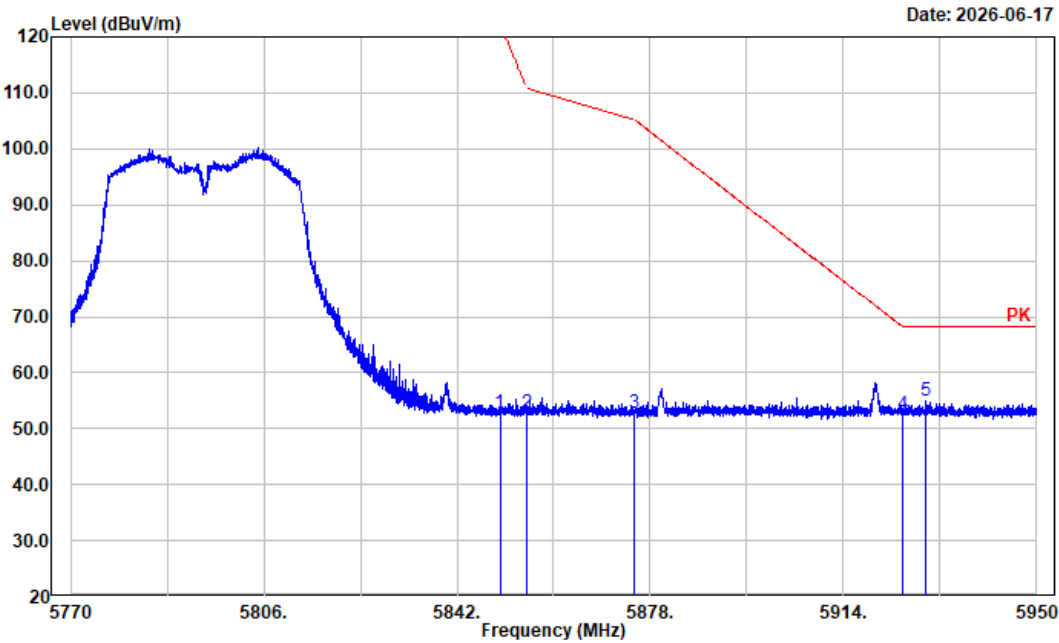
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	5599.936	49.16	6.82	55.98	68.20	12.22	Peak
2	5650.000	45.22	6.83	52.05	68.20	16.15	Peak
3	5700.000	45.58	6.81	52.39	105.20	52.81	Peak
4	5720.000	49.72	6.83	56.55	110.80	54.25	Peak
5	5725.000	51.58	6.83	58.41	122.20	63.79	Peak

Project No: 2603S14259E-RF
 Tester: HuaYuan Miao
 Condition: PK trace RBW:1MHz; VBW:3MHz;
 Polarization: Horizontal
 Note: 5G WiFi B4 n40 Mode High Channel 5795 MHz



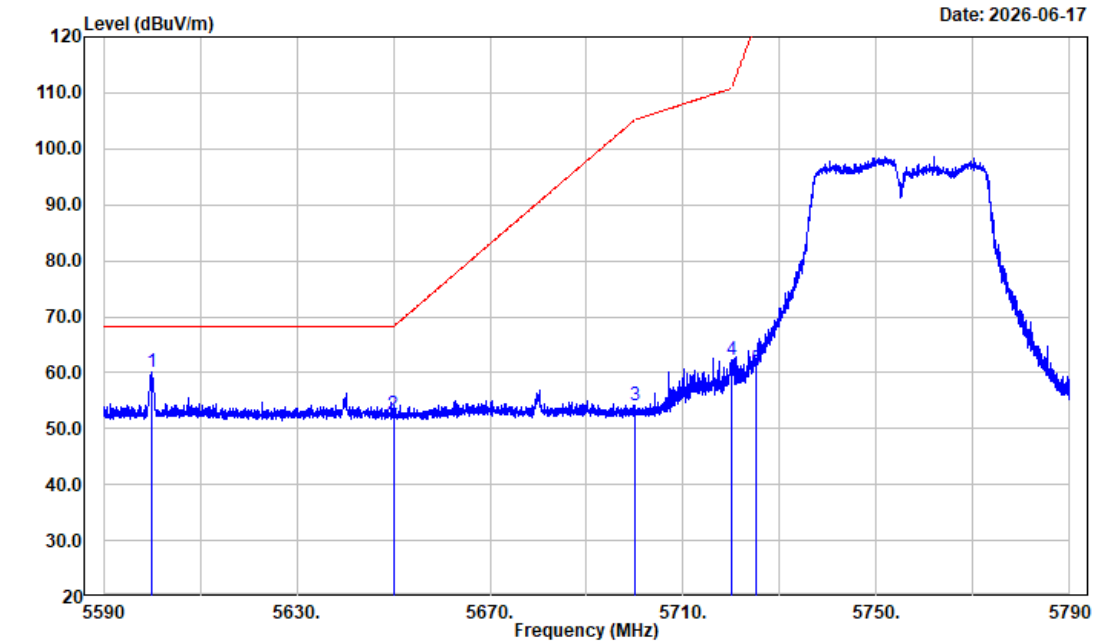
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	5850.000	47.13	6.92	54.05	122.20	68.15	Peak
2	5855.000	45.76	6.94	52.70	110.80	58.10	Peak
3	5875.000	45.82	7.02	52.84	105.20	52.36	Peak
4	5925.000	46.30	7.17	53.47	68.20	14.73	Peak
5	5935.744	47.83	7.20	55.03	68.20	13.17	Peak

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;
Polarization: Vertical
Note: 5G WiFi B4 n40 Mode High Channel 5795 MHz



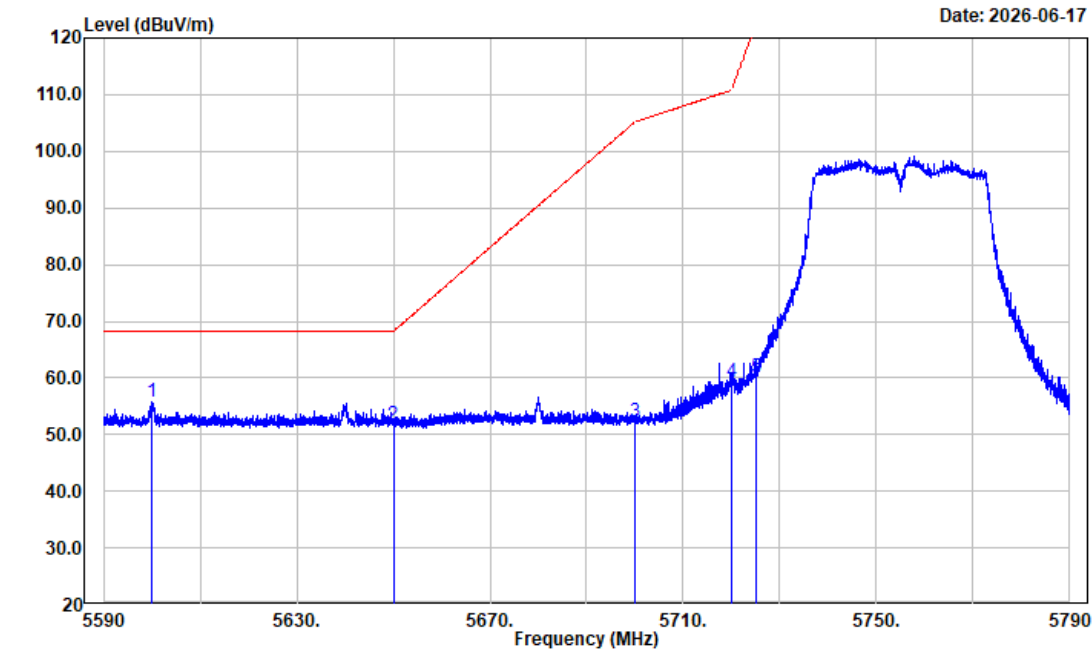
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	5850.000	45.88	6.92	52.80	122.20	69.40	Peak
2	5855.000	45.87	6.94	52.81	110.80	57.99	Peak
3	5875.000	45.65	7.02	52.67	105.20	52.53	Peak
4	5925.000	45.45	7.17	52.62	68.20	15.58	Peak
5	5929.372	47.82	7.19	55.01	68.20	13.19	Peak

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;
Polarization: Horizontal
Note: 5G WiFi B4 n40 Mode Low Channel 5755 MHz



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	5600.040	53.22	6.82	60.04	68.20	8.16	Peak
2	5650.000	45.71	6.83	52.54	68.20	15.66	Peak
3	5700.000	47.30	6.81	54.11	105.20	51.09	Peak
4	5720.000	55.57	6.83	62.40	110.80	48.40	Peak
5	5725.000	53.86	6.83	60.69	122.20	61.51	Peak

Project No: 2603S14259E-RF
Tester: HuaYuan Miao
Condition: PK trace RBW:1MHz; VBW:3MHz;
Polarization: Vertical
Note: 5G WiFi B4 n40 Mode Low Channel 5755 MHz



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	5599.920	48.98	6.82	55.80	68.20	12.40	Peak
2	5650.000	44.79	6.83	51.62	68.20	16.58	Peak
3	5700.000	45.38	6.81	52.19	105.20	53.01	Peak
4	5720.000	52.47	6.83	59.30	110.80	51.50	Peak
5	5725.000	53.33	6.83	60.16	122.20	62.04	Peak

4.3 RF Conducted Data

Please refer to Annex "Appendix A" for detail test data.

5. RF EXPOSURE EVALUATION

5.1 RF EXPOSURE EVALUATION-MAXIMUM PERMISSIBLE EXPOSURE (MPE)

5.1.1 Applicable Standard

According to subpart 15.407(i) and subpart §1.1310, systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

Limits for Maximum Permissible Exposure (MPE) (§1.1310, §2.1091)

(B) Limits for General Population/Uncontrolled Exposure				
Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm ²)	Averaging Time (minutes)
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f)	30
30-300	27.5	0.073	0.2	30
300-1500	/	/	f/1500	30
1500-100,000	/	/	1.0	30

f = frequency in MHz; * = Plane-wave equivalent power density;

According to §1.1310 and §2.1091 RF exposure is calculated.

5.1.2 5.1.2 Calculation formula:

Prediction of power density at the distance of the applicable MPE limit

$S = PG/4\pi R^2$ = power density (in appropriate units, e.g. mW/cm²);

P = power input to the antenna (in appropriate units, e.g., mW);

G = power gain of the antenna in the direction of interest relative to an isotropic radiator, the power gain factor, is normally numeric gain;

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm)

5.1.3 5.1.3 Calculated Data:

Frequency (MHz)	Antenna Gain		Conducted output power including Tune-up Tolerance		Evaluation Distance (cm)	Power Density (mW/cm ²)	MPE Limit (mW/cm ²)
	(dBi)	(numeric)	(dBm)	(mW)			
5180-5240	8.78	7.55	16	39.81	20	0.0598	1
5745-5825	7.56	5.7	14	25.12	20	0.0285	1

The Conducted output power including Tune-up Tolerance provided by manufacturer

Result: The device meet FCC MPE at 20 cm distance

6. EUT PHOTOGRAPHS

Please refer to the attachment 2603S14259E-RF-EXP EUT EXTERNAL PHOTOGRAPHS and 2603S14259E-RF-INP EUT INTERNAL PHOTOGRAPHS

7. TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2603S14259E-RF-00A-TSP TEST SETUP PHOTOGRAPHS.

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