

Prüfbericht-Nr.: Test report no.:	CN26S7JH 002	Auftrags-Nr.: Order no.:	27227126	Seite 1 von 23 Page 1 of 23
Kunden-Referenz-Nr.: Client reference no.:	N/A	Auftragsdatum: Order date:	2026-04-02	
Auftraggeber: Client:	fünfeinhalb Funksysteme GmbH Chemnitzer Straße 78A, 01187 Dresden, Germany			
Prüfgegenstand: Test item:	Client			
Bezeichnung / Typ-Nr.: Identification / Type no.:	BlitzFunk CW32R (Trademark: BlitzFunk)			
Auftrags-Inhalt: Order content:	Test Report			
Prüfgrundlage: Test specification:	CFR47 FCC Part 15 Subpart E §15.407 RSS-247 Issue 4, July 2025 RSS-Gen Issue 5, February 2021			
Wareneingangsdatum: Date of sample receipt:	2026-04-28	(Please refer to photo documents)		
Prüfmuster-Nr.: Test sample no.:	A004250609-005 A004250609-008			
Prüfzeitraum: Testing period:	2026-04-28 - 2026-07-25			
Ort der Prüfung: Place of testing:	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüflaboratorium: Testing laboratory:	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: Test result*:	Pass			
geprüft von: tested by:	 Hardy Suo		genehmigt von: authorized by:	 Lin Lin
Datum: Date:	2026-07-29		Ausstellungsdatum: Issue date:	2026-07-29
Stellung / Position:	Sachverständige(r) / Expert		Stellung / Position:	Sachverständige(r) / Expert
Sonstiges / Other:	FCC ID: 2BUWU-CW32R IC: 35239-CW32R, HVIN: BlitzFunk CW32R This report is for 5 GHz Wi-Fi.			
Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery:	Prüfmuster vollständig und unbeschädigt Test item complete and undamaged			
* Legende:	P(ass) = entspricht o.g. Prüfgrundlage(n)	F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	N/A = nicht anwendbar	N/T = nicht getestet
* Legend:	P(ass) = passed a.m. test specification(s)	F(ail) = failed a.m. test specification(s)	N/A = not applicable	N/T = not tested
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.				

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Anmerkungen Remarks

1	Alle eingesetzten Prüfmittel waren zum angegebenen Prüfzeitraum gemäß eines festgelegten Kalibrierungsprogramms unseres Prüfhauses kalibriert. Sie entsprechen den in den Prüfprogrammen hinterlegten Anforderungen. Die Rückverfolgbarkeit der eingesetzten Prüfmittel ist durch die Einhaltung der Regelungen unseres Managementsystems gegeben. Detaillierte Informationen bezüglich Prüfkonditionen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden. <i>The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfils the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system. Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request.</i>
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3	Prüfklausel mit der Note * wurden an qualifizierte Unterauftragnehmer vergeben und sind unter der jeweiligen Prüfklausel des Berichts beschrieben. Abweichungen von Prüfspezifikation(en) oder Kundenanforderungen sind in der jeweiligen Prüfklausel im Bericht aufgeführt. <i>Test clauses with remark of * are subcontracted to qualified subcontractors and described under the respective test clause in the report.</i> <i>Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report.</i>
4	Die Entscheidungsregel für Konformitätserklärungen basierend auf numerischen Messergebnissen in diesem Prüfbericht basiert auf der "Null-Grenzwert-Regel" und der "Einfachen Akzeptanz" gemäß ILAC G8:2019 und IEC Guide 115:2021, es sei denn, in der auf Seite 1 dieses Berichts genannten angewandten Norm ist etwas anderes festgelegt oder vom Kunden gewünscht. Dies bedeutet, dass die Messunsicherheit nicht berücksichtigt wird und daher auch nicht im Prüfbericht angegeben wird. Zu weiteren Informationen bezüglich des Risikos durch diese Entscheidungsregel siehe ILAC G8:2019. <i>The decision rule for statements of conformity, based on numerical measurement results, in this test report is based on the "Zero Guard Band Rule" and "Simple Acceptance" in accordance with ILAC G8:2019 and IEC Guide 115:2021, unless otherwise specified in the applied standard mentioned on Page 1 of this report or requested by the customer. This means that measurement uncertainty is not taken in account and hence also not declared in the test report. For additional information to the resulting risk based of this decision rule please refer to ILAC G8:2019.</i>

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TEST SUMMARY

5.1.1 ANTENNA REQUIREMENT

RESULT: Pass

5.1.2 MAXIMUM OUTPUT POWER

RESULT: Pass

5.1.3 POWER SPECTRAL DENSITY

RESULT: Pass

5.1.4 FREQUENCY STABILITY

RESULT: Pass

5.1.5 26dB BANDWIDTH AND 99% BANDWIDTH

RESULT: Pass

5.1.6 6dB BANDWIDTH

RESULT: Pass

5.1.7 RADIATED SPURIOUS EMISSION

RESULT: Pass

5.1.8 CONDUCTED EMISSION ON AC MAINS

RESULT: Pass

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1. General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:

Appendix A: Test Results of 5 GHz Wi-Fi

Appendix B: Photographs of the Test Set-up

2. Test Sites

2.1 Test Facilities

TÜV Rheinland (Shenzhen) Co., Ltd.

2-3F, 101 & 102, No.2, Nuclear Power Industrial Park, Fuming Community, Fucheng Street, Longhua District, Shenzhen 518000, People's Republic of China

A2LA Certificate Number: 5162.01

FCC Test Site Number: CN1260

ISED Test Lab CAB identifier: CN0078

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Radio Spectrum Testing (SRD-Tonscend)						
Equip. No.	Description	Manufacturer	Model	Serial No.	Cal. Date (DD.MM.YYYY)	Cal. until (DD.MM.YYYY)
9039436	EXA Signal Analyzer, Multi-touch	Keysight	N9010B	MY60241175	23.09.2025	22.09.2026
9039437	MXG X-Series RF Vector Signal Generator	Keysight	N5182B	MY61250137	23.09.2025	22.09.2026
9039438	EXG X-Series Microwave Analog Signal Generator	Keysight	N5173B	MY61250141	23.09.2025	22.09.2026
9039439	DC Power Supply	Keysight	E3642A	MY61276100	23.09.2025	22.09.2026
9039440	Wireless Connectivity Tester	R&S	CMW270	102505	23.09.2025	22.09.2026
9039441	Power Control Unit	Tonscend	JS0806-4ADC	N/A	23.09.2025	22.09.2026
9039442	Automation Control Unit	Tonscend	JS0806-2	21C8060396	23.09.2025	22.09.2026
9039443	Test Software	Tonscend	JS1120-3	N/A	N/A	N/A
9039444	Control PC	Lenovo	TianYi510S-071MB	YLX23JMF	N/A	N/A
G1826483	Humid & Temp Programmable Tester	BOST	NTH090-60	19040801	02.02.2026	01.02.2027
Unwanted Emission Testing (TS9975)						
Equip. No.	Description	Manufacturer	Model	Serial No.	Cal. Date (DD.MM.YYYY)	Cal. until (DD.MM.YYYY)
G1826021	EMI Test Receiver	R&S	ESR 7	102021	22.09.2025	21.09.2026
G1826023	Signal Analyzer	R&S	FSV 40	101439	22.09.2025	21.09.2026
G1826024	System Controller Interface	R&S	SCI-100	S10010038	N/A	N/A
G1826025	Filterbank	R&S	Wlan	100759	22.09.2025	21.09.2026
G1826026	OSP	R&S	OSP 120	102040	N/A	N/A
G1826028	Pre-amplifier	R&S	SCU08F1	08320031	22.09.2025	21.09.2026
G1826029	Amplifier	R&S	SCU-18F	180070	22.09.2025	21.09.2026
G1826030	Amplifier	R&S	SCU40A	100475	22.09.2025	21.09.2026
G1826031	Trilog Broadband Antenna (30 MHz - 7 GHz)	Schwarzbeck	VULB 9162	193	28.09.2024	27.09.2026
G1826032	Double-Ridged Antenna (1 -18 GHz)	ETS-LINDGREN	3117	00218717	28.09.2024	27.09.2026

G1826033	Wideband Ridged Horn Antenna (18-40 GHz)	Steatite	QMS-00880	19067	28.09.2024	27.09.2026
G1826034	Active Loop Antenna	Schwarzbeck	FMZB 1513	302	28.09.2024	27.09.2026
G1826036	Test software	R&S	EMC32 (V10.60.10)	N/A	N/A	N/A
G1826037	Control PC	Dell	OptiPlex 7050	36NV9P2	N/A	N/A
G1826433	3m Semi-Anechoic Chamber	Albatross	SAC-3m	APC17151-SAC	14.09.2024	13.09.2027

Conducted Emission on AC Mains					
Equip. No.	Description	Manufacturer	Model	Serial No.	Cal. Until
GC-SZ 004632	EMI Test Receiver	R&S	ESR3	102680	2027-02-03
GC-SZ 001010	Artificial Mains Network	R&S	ENV216	102333	2026-07-18
GC-SZ 004633	Artificial Mains Network	R&S	ENV216	101445	2027-02-03
G1825091	EMC32 Test Software	R&S	EMC32(Ver.10.60.20)	N/A	N/A

2.3 Traceability

All measurement equipment calibrations are traceable to NIM (National Institute of Metrology) or where calibration is performed in other countries, to equivalent nationally recognized standards organizations.

2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basis using in house standards or comparisons.

2.5 Uncertainty of Measurement

The value of the measurement uncertainty of each parameter is listed as below:

Table 2: Measurement Uncertainty

Parameter	Uncertainty (k=2)
RF output power, conducted	± 0.99 dB
Occupied Channel Bandwidth	± 2.08 %
RF power density, conducted	± 0.99 dB
Unwanted Emissions, conducted	± 0.89 dB
All emissions, radiated	±4.17 dB
Conducted Emission, (9kHz to 150kHz)/(150kHz to 30MHz)	± 3.70 dB / ± 3.30 dB

2.6 Location of Original Data

The original copies of all test data taken during actual testing were attached at Appendix A & B & C of this report and delivered to the applicant. A copy has been retained in the TÜV Rheinland (Shenzhen) Co., Ltd. file for certification follow-up purposes.

2.7 Status of Facility Used for Testing

The TÜV Rheinland (Shenzhen) Co., Ltd. Test facility located at 2-3F, 101 & 102, No.2, Nuclear Power Industrial Park, Fuming Community, Fucheng Street, Longhua District, Shenzhen 518000, People's Republic of China is listed on the US Federal Communications Commission list of facilities approved to perform measurements.

3. General Product Information

3.1 Product Function and Intended Use

The Product is a client which supports 2.4 GHz Wi-Fi, 5 GHz Wi-Fi and 6 GHz Wi-Fi and is intended for industrial environments. It assembles two identical wireless module #1 (Model AMLGA7921) and wireless module #2 (Model AMLGA7921).

The wireless module #1 (Model AMLGA7921) has one TX & RX ANT 1 and one RX ANT 2, they are for user data and device setup functions.

The wireless module #2 (Model AMLGA7921) has one TX & RX ANT 3 and one RX ANT 4, they are for user data function.

Note: The wireless module #1 and wireless module #2 are incapable of transmitting on the same frequency channel simultaneously.

ANT information for Wireless module #1 AMLGA7921		ANT information for Wireless module #2 AMLGA7921	
ANT 1	ANT 2	ANT 3	ANT 4
TX & RX	RX	TX & RX	RX

The wireless module #1 and The wireless module #2 have identical hardware, including same antennas and same power setting level in firmware.

For details refer to the User Manual, Technical Description and Circuit Diagram.

3.2 Ratings and System Details

Table 3: Technical Specification

General Information of EUT	Value
Kind of Equipment:	Client
Type Designation:	BlitzFunk CW32R
Trademark:	BlitzFunk
FCC ID:	2BUWU-CW32R
IC:	35239-CW32R
HVIN:	BlitzFunk CW32R
Operating Voltage:	DC 12-48 V, max. 0.5 A
Testing Voltage:	AC 120 V, 60 Hz (power supply external adapter)
Adapter:	M/N: E80120 Input: AC 100-240 V, 50/60 Hz Output: DC 24V, 1.0 A, 24 W
Operating Temperature Range:	-20 °C ~ +60 °C
Radiofrequency operating mode:	1) 2.4 GHz Wi-Fi: operating within 2400-2483.5 MHz, supports IEEE 802.11 g 2) 5 GHz Wi-Fi: operating within 5150 - 5250 MHz, 5725 - 5850 MHz, 5850-5895 MHz supports IEEE 802.11 a 3) 6 GHz Wi-Fi: operating within 5925 - 7125 MHz, supports IEEE 802.11 ax20
Technical Specification of 2.4 GHz Wi-Fi	
Operating Frequency:	2412 - 2462 MHz of IEEE 802.11 g
Type of Modulation:	OFDM

Channel Number:	3 channels
Channel Bandwidth:	20 MHz
Data Rate:	IEEE 802.11g: 54/48/36/24/18/12/9/6 Mbps
Antenna Type:	Integral Antenna
Antenna Number:	1Tx1Rx (1TX: ANT1 or ANT3; 1RX: ANT 2 or ANT 4)
Antenna Gain:	2.3 dBi for ANT1, ANT3 (Provided by the Client)
Technical Specification of 5 GHz Wi-Fi	
Operating Frequency:	• U-NII-1 band: 5180 - 5240 MHz of IEEE 802.11 a • U-NII-3 band: 5745 - 5825 MHz of IEEE 802.11 a • U-NII-4 band: 5845 - 5864 MHz of IEEE 802.11 a
Type of Modulation:	OFDM
Channel Number:	4 channels for U-NII-1 band: 5180 - 5240 MHz 5 channels for U-NII-3 band: 5745 - 5825 MHz 2 channels for U-NII-4 band: 5845 - 5865 MHz
Channel Bandwidth:	20 MHz
Data Rate:	802.11a: 54/48/36/24/18/12/9/6 Mbps
Antenna Type:	Integral Antenna
Antenna Number:	1Tx1Rx (1TX: ANT1 or ANT3; 1RX: ANT 2 or ANT 4)
Antenna Gain:	3.5 dBi for ANT1, ANT3 (Provided by the Client)
DFS device type:	Slaver
Technical Specification of 6 GHz Wi-Fi	
Operating Frequency:	• U-NII-5 band: 5955 - 6415 MHz of IEEE 802.11 ax20 • U-NII-6 band: 6435 - 6515 MHz of IEEE 802.11 ax20 • U-NII-7 band: 6535 - 6855 MHz of IEEE 802.11 ax20 • U-NII-8 band: 6875 - 7115 MHz of IEEE 802.11 ax20
Type of Modulation:	OFDMA
Channel Number:	24 channels for U-NII-5 band: 5955 - 6415 MHz 5 channels for U-NII-6 band: 6435 - 6515 MHz 18 channels for U-NII-7 band: 6535 - 6855 MHz 12 channels for U-NII-8 band: 6875 - 7115 MHz
Channel Bandwidth:	20 MHz
Data Rate:	IEEE 802.11ax: up to 2402 Mbps
Antenna Type:	Integral Antenna
Antenna Number:	1Tx1Rx (1TX: ANT1 or ANT3; 1RX: ANT 2 or ANT 4)
Antenna Gain:	3.3 dBi for ANT1, ANT3 (Provided by the Client)
Equipment class:	Low-power client device

Note: The correctness of all data provided by customer in the test report is ensured and responsible of the customer. Any misjudgment of the test results caused by the use of incorrect data provided by customer shall be borne by the customer.

Table 4: RF Channel and Frequency of 2.4GHz Wi-Fi

2.4GHz Wi-Fi 2412 – 2462 MHz, 20MHz Bandwidth	
Channel	Frequency (MHz)
01	2412
06	2437
11	2462

Table 5: RF Channel and Frequency of 5GHz Wi-Fi

U-NII-1 5150-5250 MHz, 20MHz Bandwidth	
Channel	Frequency (MHz)
36	5180
40	5200
44	5220
48	5240

U-NII-3 5725-5850 MHz, 20MHz Bandwidth	
Channel	Frequency (MHz)
149	5745
153	5765
157	5785
161	5805
165	5825

U-NII-4 5850-5895 MHz, 20MHz Bandwidth	
Channel	Frequency (MHz)
169	5845
173	5865

Table 6: RF Channel and Frequency of 6GHz Wi-Fi

U-NII-5 5925-6425 MHz, 20MHz Bandwidth	
Channel	Frequency (MHz)
1	5955
5	5975
9	5995
13	6015
17	6035
21	6055
25	6075
29	6095
33	6115
37	6135
41	6155
45	6175
49	6195
53	6215
57	6235
61	6255
65	6275
69	6295
73	6315
77	6335
81	6355
85	6375
89	6395
93	6415

U-NII-6 6425-6525 MHz, 20MHz Bandwidth	
Channel	Frequency (MHz)
97	6435
101	6455
105	6475
109	6495
113	6515

U-NII-7 6525-6875 MHz, 20MHz Bandwidth	
Channel	Frequency (MHz)
117	6535
121	6555
125	6575
129	6595
133	6615
137	6635
141	6655
145	6675
149	6695
153	6715
157	6735
161	6755
165	6775
169	6795
173	6815
177	6835
181	6855
185	6875

U-NII-8 6875-7125 MHz, 20MHz Bandwidth	
Channel	Frequency (MHz)
189	6895
193	6915
197	6935
201	6955
205	6975
209	6995
213	7015
217	7035
221	7055
225	7075
229	7095
233	7115

3.3 Independent Operation Modes

The basic operation modes are:

- A. On, 5 GHz Wi-Fi wireless transmitting mode
- B. On, Co-Tx for 2.4 GHz Wi-Fi + 5 GHz Wi-Fi + 6 GHz Wi-Fi

3.4 Noise Generating and Noise Suppressing Parts

Refer to Circuit Diagram for further details.

3.5 Submitted Documents

- Application Form
- User Manual
- ID Label and Location Info
- Operation Description

4. Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

Radio Spectrum: The equipment under test (EUT) was configured at its highest power output in order to measure its highest possible radiation and conducted level. The test modes were adapted accordingly in reference to the instructions for use.

Emission: The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation

Test operation refers to test setup in chapter 5. All tests were performed according to the procedures in ANSI C63.10-2020, ANSI C63.10-2020 + Corrigendum 1-2023 + Amendment 1-2024.

According to clause 3.1, all tests were performed on model BlitzFunk CW32R in this report. All tests were performed on different wireless modules with model (Model AMLGA7921) and various ANTs, and the worst case was recorded in this report.

4.3 Special Accessories and Auxiliary Equipment

Table 7: List of Accessories and Auxiliary Equipment

Description	Manufacturer	Model	Remark
Laptop	Lenovo	T480	S/N: PF-16A6N8

4.4 Countermeasures to Achieve ERM Compliance

The test sample which has been tested contained the noise suppression parts as described in the Technical Construction File (TCF). No additional measures were employed to achieve compliance.

4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test (Below 1GHz)

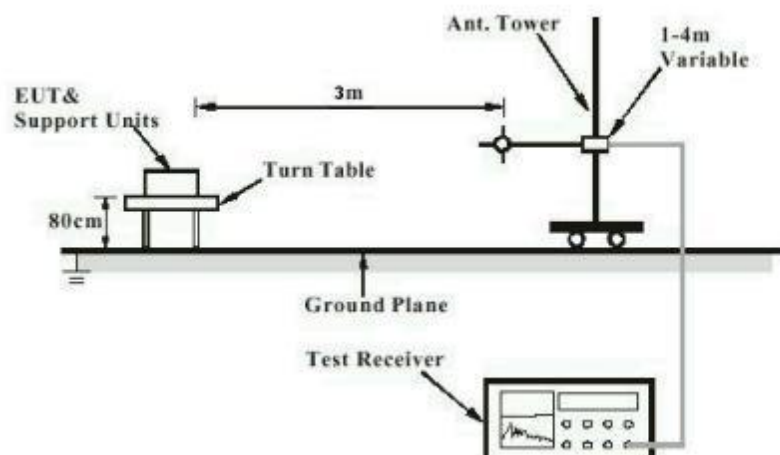


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

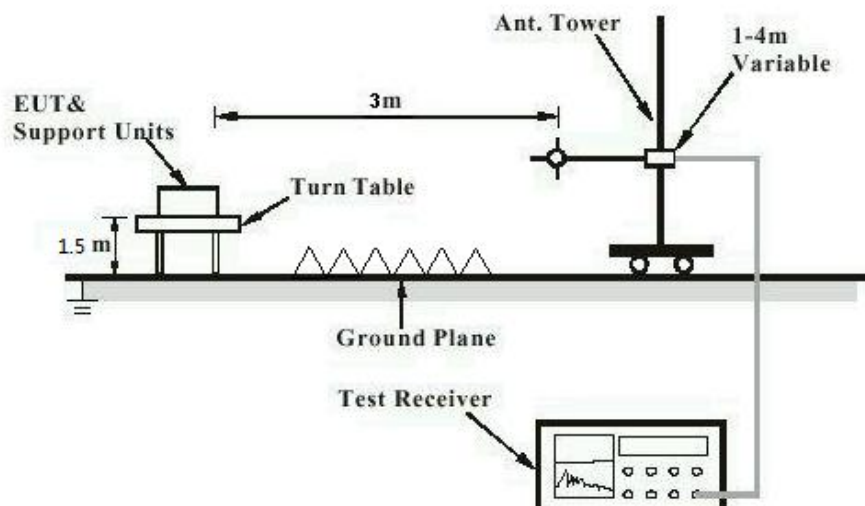


Diagram of Measurement Configuration for Mains Conduction Measurement

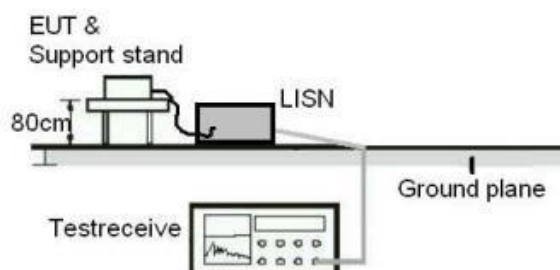
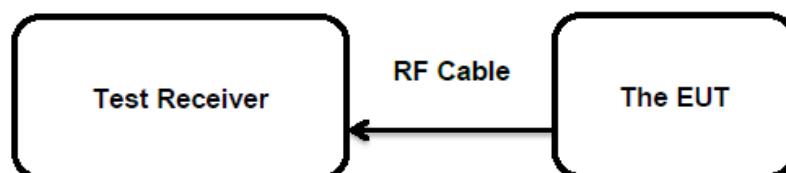


Diagram of Measurement Configuration for Conducted Transmitter Measurement



5. Test Results

5.1 Radio Test Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT:**Pass****Test Specification**

Test standard : FCC Part 15.407(a)(1)(iv), (a)(3)(i) and Part 15.203
RSS-247 clause 7.3.4.3

The EUT has four integral antennas, two antennas are TX&RX, other two antennas for RX only, refer to the table below for details:

ANT information for Wireless module #1 AMLGA7921		ANT information for Wireless module #2 AMLGA7921	
ANT 1	ANT 2	ANT 3	ANT 4
TX & RX	RX	TX & RX	RX
Identical ANT gain for each antenna: 1) 2.3dBi, 2400-2500MHz 2) 3.5dBi, 5150-5895MHz 3) 3.3dBi, 5925-7125MHz			

The antenna connectors are designed uniquely and there is no consideration of replacement. Therefore, the EUT is considered sufficient to comply with the provision.

Refer to EUT Photo for further details.

5.1.2 Maximum Output Power

RESULT:

Pass

Test Specification

Test standard

: FCC Part 15.407(a)(1)(iv), (a)(3)(i)(iii)
 : RSS-247 clause 7.3.1.2, 7.3.4.3, 7.3.5.3
 : ANSI C63.10-2020, ANSI C63.10-2020, ANSI C63.10-2020
 : + Corrigendum 1-2023 + Amendment 1-2024

Basic standard

FCC:

• **U-NII-1 5150-5250MHz:**

Max conducted output power <250mW (23.98dBm)

• **U-NII-3 5725-5850MHz:**

Max conducted output power <1W (30dBm)

• **U-NII-4 5850-5895MHz:**

Max e.i.r.p. <1W (30dBm)

Limits

: **IC:**

• **U-NII-1 5150-5250MHz:**

Max e.i.r.p. <200mW (23dBm)

*200 mW (23dBm) or 10 dBm + 10 logB, where B is the 99% emission bandwidth in MHz, where is lesser.

• **U-NII-3 5725-5850MHz:**

Max conducted output power <W (30dBm)

• **U-NII-4 5850-5895MHz:**

Max e.i.r.p. <1W (30dBm)

Kind of test site

: Shielded Room

Test Setup

Date of testing

: 2026-04-28 - 2026-07-25

Input voltage

: AC 120V, 60Hz

Operation mode

: A

Test channel

: Low / Middle / High

Ambient temperature

: 24.5 °C

Relative humidity

: 50 %

Atmospheric pressure

: 101 kPa

Table 8: Test Result of Maximum Conducted Output Power, 5GHz Wi-Fi U-NII-1

TestMode	Antenna	Channel [MHz]	Result [dBm]	Result [dBm]	Limit [dBm]	Verdict
IEEE 802.11 a	ANT1	5180	15.37	0.0344	≤30	PASS
	ANT1	5200	16.35	0.0432	≤30	PASS
	ANT1	5240	15.42	0.0348	≤30	PASS

Note: The Duty Cycle Factor was compensated in the test results.

Table 9: Test Result of Maximum Conducted Output Power, ISED 5GHz Wi-Fi U-NII-1

TestMode	Antenna	Channel [MHz]	Result [dBm]	Limit [dBm]	Gain [dBi]	EIRP [dBm]	EIRP [W]	EIRP Limit [dBm]	Verdict
IEEE 802.11 a	ANT1	5180	15.37	≤18.72	3.5	18.87	0.0771	≤22.22	PASS
	ANT1	5200	16.35	≤18.72	3.5	19.85	0.0966	≤22.22	PASS
	ANT1	5240	15.42	≤18.72	3.5	18.92	0.0780	≤22.22	PASS

Note: The Duty Cycle Factor was compensated in the test results. The minimum 99% bandwidth is 16.680MHz.

Table 10: Test Result of Maximum Conducted Output Power, 5GHz Wi-Fi U-NII-3

TestMode	Antenna	Channel [MHz]	Result [dBm]	Result [dBm]	Limit [dBm]	Verdict
IEEE 802.11 a	ANT1	5765	18.91	0.0778	≤30	PASS
	ANT1	5825	19.01	0.0796	≤30	PASS
	ANT1	5785	18.89	0.0774	≤30	PASS

Note: The Duty Cycle Factor was compensated in the test results.

Table 11: Test Result of Maximum Conducted Output Power, 5GHz Wi-Fi U-NII-4

TestMode	Antenna	Channel [MHz]	Result [dBm]	Limit [dBm]	Gain [dBi]	EIRP [dBm]	EIRP [W]	EIRP Limit [dBm]	Verdict
IEEE 802.11 a	ANT1	5845	19.24	≤32.50	3.5	22.74	0.1879	≤36	PASS
	ANT1	5865	18.55	≤32.50	3.5	22.05	0.1698	≤36	PASS

Note: The Duty Cycle Factor was compensated in the test results.

5.1.3 Power Spectral Density**RESULT:****Pass****Test Specification**

Test standard

: FCC Part 15.407(a)(1)(iv), (a)(3)(i)(iii)
: RSS-247 clause 7.3.1.2, 7.3.4.3, 7.3.5.3

Basic standard

: ANSI C63.10-2020, ANSI C63.10-2020, ANSI C63.10-2020
+ Corrigendum 1-2023 + Amendment 1-2024**FCC:****• U-NII-1 5150-5250MHz:**

Max conducted PSD <11dBm/MHz

• U-NII-3 5725-5850MHz:

Max conducted PSD <30dBm/500kHz

• U-NII-4 5850-5895MHz:

Max e.i.r.p. PSD <14dBm/1MHz

Limits

:

IC:**• U-NII-1 5150-5250MHz:**

Max e.i.r.p. PSD <10dBm/MHz

• U-NII-3 5725-5850MHz:

Max conducted PSD <30dBm/500kHz

• U-NII-4 5850-5895MHz:

Max e.i.r.p. PSD <14dBm/1MHz

Kind of test site

: Shielded Room

Test Setup

Date of testing

: 2026-04-28 - 2026-07-25

Input voltage

: AC 120V, 60Hz

Operation mode

: A

Test channel

: Low / Middle / High

Ambient temperature

: 24.5 °C

Relative humidity

: 50 %

Atmospheric pressure

: 101 kPa

Refer to attached Appendix A for details of test data.

Prüfbericht - Nr.: CN26S7JH 002
Test Report No.**Seite 18 von 23**
Page 18 of 23**5.1.4 Frequency Stability****RESULT:****Pass****Test Specification**

Test standard	:	FCC Part 15.407(g) RSS-Gen Clause 6.11
Basic standard	:	ANSI C63.10-2020, ANSI C63.10-2020, ANSI C63.10-2020 + Corrigendum 1-2023 + Amendment 1-2024
Limits	:	Within assigned bands
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	2026-04-28 - 2026-07-25
Input voltage	:	AC 120V, 60Hz
Operation mode	:	A
Test channel	:	Low / Middle / High
Ambient temperature	:	24.5 °C
Relative humidity	:	50 %
Atmospheric pressure	:	101 kPa

Refer to attached Appendix A for details of test data.

Prüfbericht - Nr.: CN26S7JH 002
Test Report No.**Seite 19 von 23**
Page 19 of 23**5.1.5 26dB Bandwidth and 99% Bandwidth****RESULT:****Pass****Test Specification**

Test standard	:	FCC Part 15.407(a)(13) RSS-Gen Clause 6.7
Basic standard	:	ANSI C63.10-2020, ANSI C63.10-2020, ANSI C63.10-2020 + Corrigendum 1-2023 + Amendment 1-2024
Limits	:	N/A
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	2026-04-28 - 2026-07-25
Input voltage	:	AC 120V, 60Hz
Operation mode	:	A
Test channel	:	Low / Middle / High
Ambient temperature	:	24.5 °C
Relative humidity	:	50 %
Atmospheric pressure	:	101 kPa

Refer to attached Appendix A for details of test data.

Prüfbericht - Nr.: CN26S7JH 002
Test Report No.**Seite 20 von 23**
Page 20 of 23**5.1.6 6dB Bandwidth****RESULT:****Pass****Test Specification**

Test standard	: FCC Part 15.407(e) : RSS-247 clause 7.3.4.2
Basic standard	: ANSI C63.10-2020, ANSI C63.10-2020, ANSI C63.10-2020 : + Corrigendum 1-2023 + Amendment 1-2024
Limits	: At least 500kHz (5725-5850MHz, 5850-5895MHz)
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2026-04-28 - 2026-07-25
Input voltage	: AC 120V, 60Hz
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: 24.5 °C
Relative humidity	: 50 %
Atmospheric pressure	: 101 kPa

Refer to attached Appendix A for details of test data.

5.1.7 Radiated Spurious Emission

RESULT:

Pass

Test Specification

Test standard

: FCC Part 15.407(b) & FCC Part 15.205 & FCC Part 15.209
RSS-247 clause 7.3.1.3, 7.3.4.4, 7.3.5.4 & RSS-GEN
clause 8.9 and 8.10

Basic standard

: ANSI C63.10-2020, ANSI C63.10-2020, ANSI C63.10-2020
+ Corrigendum 1-2023 + Amendment 1-2024

- 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.
- For transmitters operating in the 5.725-5.85 GHz band: 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.

Limits

- For transmitters operating in the 5.850-5.895 GHz band: For a client device, all emissions at or above 5.895 GHz shall not exceed an e.i.r.p. of -5 dBm/MHz and shall decrease linearly to an e.i.r.p. of -27 dBm/MHz at or above 5.925 GHz.
For a client device or indoor access point or subordinate device, all emissions below 5.725 GHz shall not exceed an e.i.r.p. of -27 dBm/MHz at 5.65 GHz increasing linearly to 10 dBm/MHz at 5.7 GHz, and from 5.7 GHz increasing linearly to a level of 15.6 dBm/MHz at 5.72 GHz, and from 5.72 GHz increasing linearly to a level of 27 dBm/MHz at 5.725 GHz
- Restricted Bands meet the requirement of 15.209 limit and RSS-GEN

Kind of test site

: 3m Semi-Anechoic Chamber (below 1GHz)
3m Anechoic Chamber (above 1GHz)

Test Setup

Date of testing

: 2026-04-28 - 2026-07-25

Input voltage

: AC 120V, 60Hz

Operation mode

: A

Test channel

: Low / Middle / High

Ambient temperature

: Refer to test data

Relative humidity

: Refer to test data

Atmospheric pressure

: 101 kPa

Refer to attached Appendix A for details of test data.

Prüfbericht - Nr.: CN26S7JH 002
Test Report No.**Seite 22 von 23**
Page 22 of 23**5.1.8 Conducted Emission on AC Mains****RESULT:****Pass****Test Specification**

Test standard	:	FCC Part 15.207 RSS-GEN clause 8.8
Basic standard	:	ANSI C63.10-2020, ANSI C63.10-2020, ANSI C63.10-2020 + Corrigendum 1-2023 + Amendment 1-2024
Frequency range	:	0.15 - 30MHz
Limits	:	FCC Part 15.207 RSS-Gen Table 4
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	2026-04-28 - 2026-06-15
Input voltage	:	AC 120V, 60Hz
Operation mode	:	B
Earthing	:	Not connected
Ambient temperature	:	Refer to test data
Relative humidity	:	Refer to test data
Atmospheric pressure	:	101 kPa

Refer to attached Appendix A for details of test data.

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Appendix A: Test Results of 5GHz Wi-Fi

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Appendix A.1: Test Results of 26dB Bandwidth

Test Result

TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	21.040	5169.600	5190.640	---	---
		5200	21.520	5189.480	5211.000	---	---
		5240	18.880	5230.400	5249.280	---	---

Test Graphs

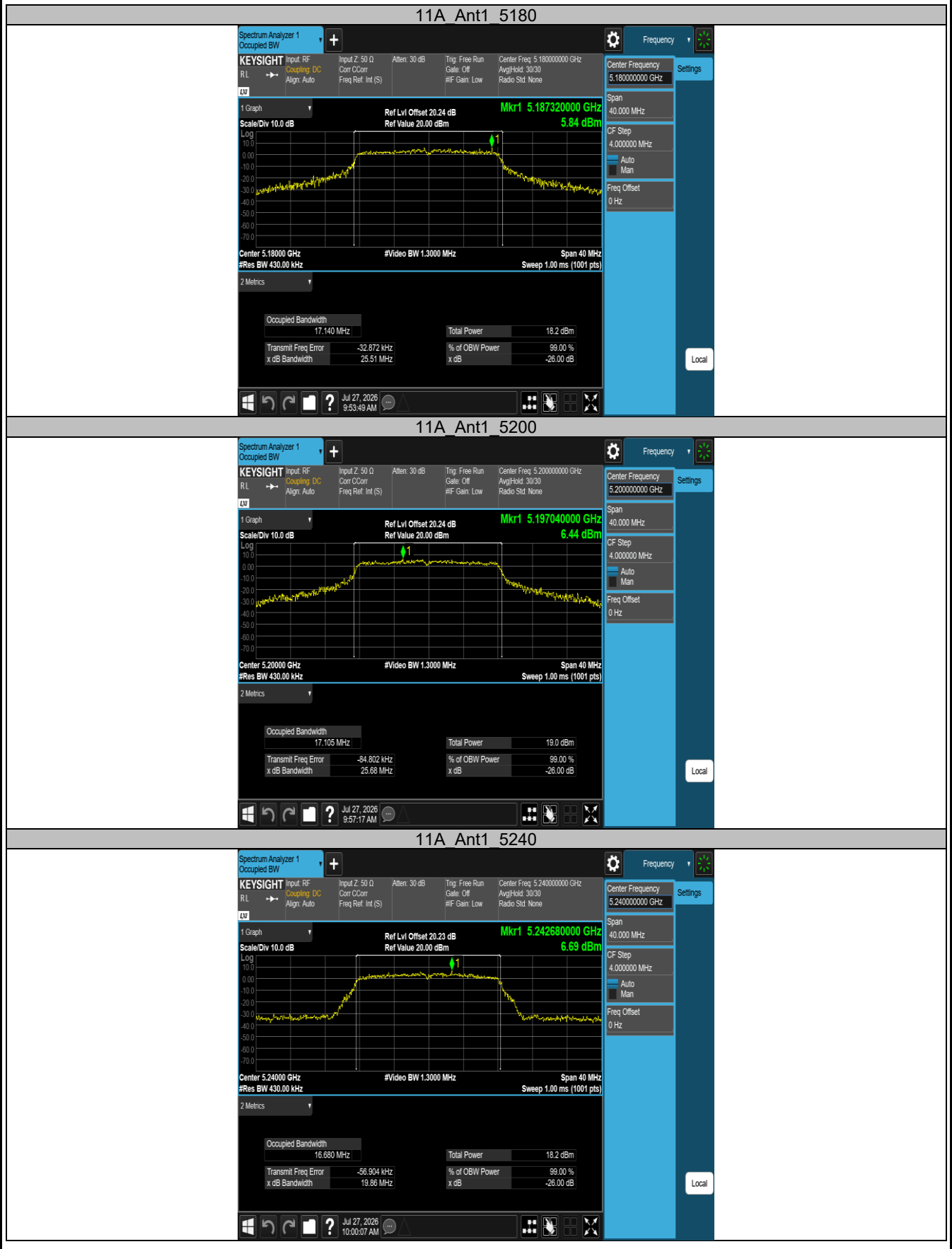


Appendix A.2: Test Results of 99% Bandwidth

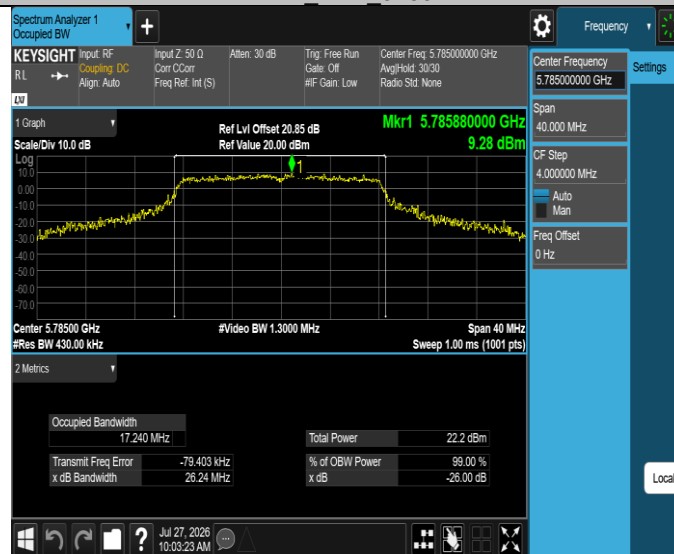
Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.140	5171.3971	5188.5371	---	---
		5200	17.105	5191.3627	5208.4677	---	---
		5240	16.680	5231.6031	5248.2831	---	---
		5785	17.240	5776.3006	5793.5406	---	---
		5825	17.189	5816.3046	5833.4936	---	---
		5845	17.133	5836.3899	5853.5229	---	---
		5865	17.106	5856.3999	5873.5059	---	---

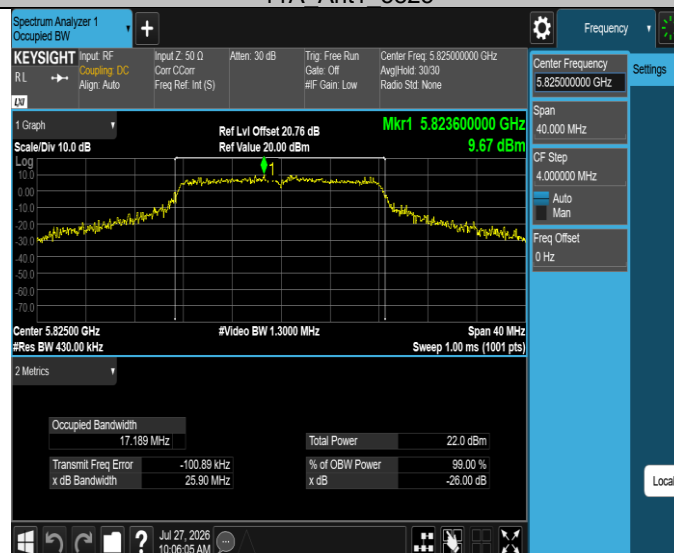
Test Graphs



11A_Ant1_5785



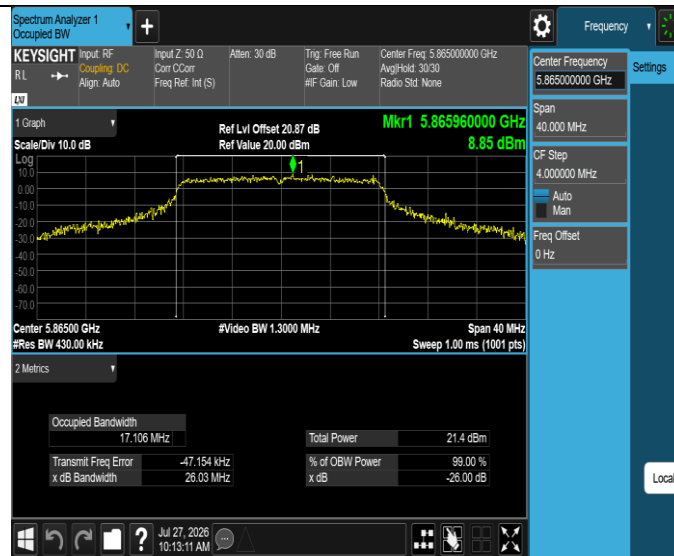
11A_Ant1_5825



11A_Ant1_5845



11A_Ant1_5865



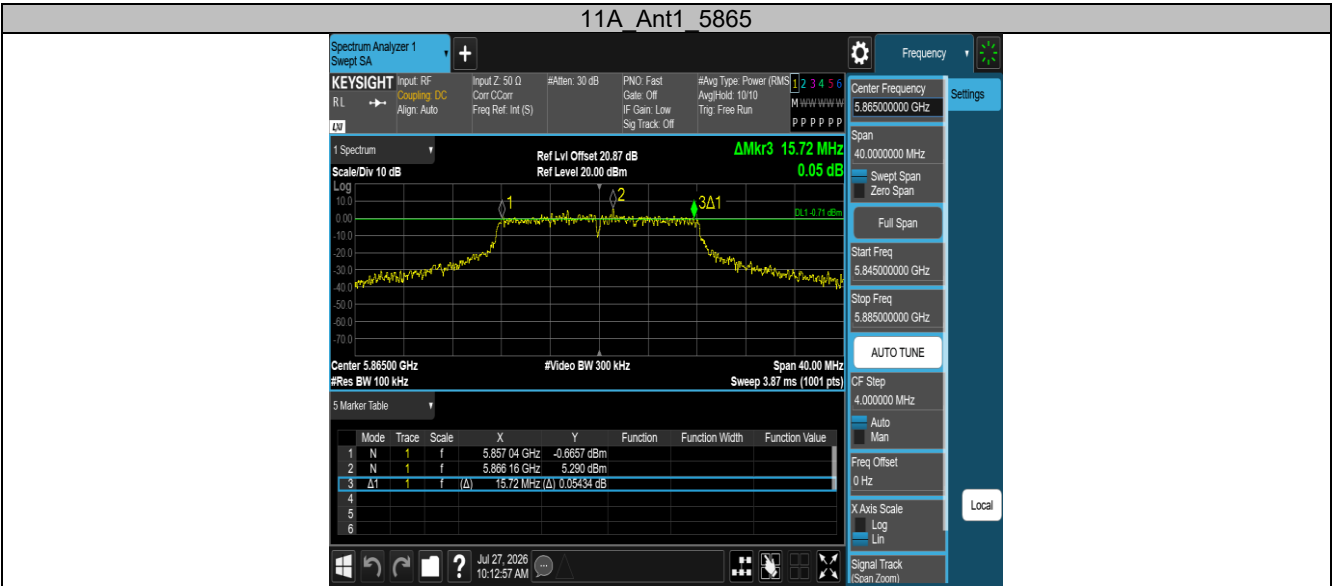
Appendix A.3: Test Results of 6dB Bandwidth

Test Result

TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5785	16.360	5776.760	5793.120	0.5	PASS
		5825	15.480	5816.960	5832.440	0.5	PASS
		5845	14.400	5838.040	5852.440	0.5	PASS
		5865	15.720	5857.040	5872.760	0.5	PASS

Test Graphs





Appendix A.4: Test Results of Maximum Power Spectral Density

Test Result

TestMode	Antenna	Channel	Result [dBm/500kHz]	Result [dBm/MHz]	EIRP spectral density [dBm/MHz]	FCC Limit [dBm/MHz]	IC Limit [dBm/MHz]	Verdict
11A	Ant1	5180	/	2.75	6.25	≤11.00 (Cond.)	≤10.00 (EIRP)	PASS
		5200	/	3.90	7.40			PASS
		5240	/	2.76	6.26			PASS
		5845	4.17	7.09*	10.59	≤14.00 (EIRP)		PASS
		5865	6.83	9.75*	13.24			PASS

Note:

1. The Compensation Factor is 2.92dB for 5850-5895MHz while test RBW was 510kHz and 1MHz.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.

TestMode	Antenna	Channel	Result [dBm/MHz]	FCC Limit [dBm/500kHz]	IC Limit [dBm/500kHz]	Verdict
11A	Ant1	5745	4.07	≤30.00 (Cond.)		PASS
		5785	4.46			PASS
		5825	4.17			PASS

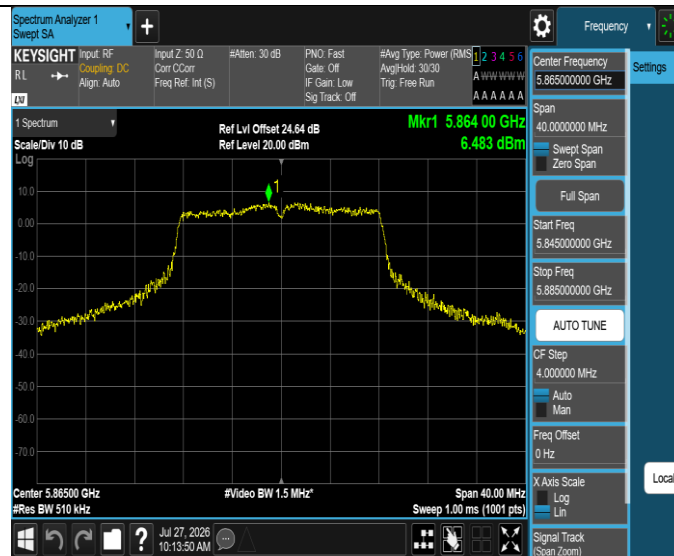
Note:

1. The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs







Appendix A.5: Test Results of Frequency Stability

Test Result

Voltage								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	NT	-80000.00	-15.444015	20	PASS
		5200	NV	NT	-80000.00	-15.384615	20	PASS
		5240	NV	NT	-80000.00	-15.267176	20	PASS
		5785	NV	NT	-80000.00	-13.828868	20	PASS
		5825	NV	NT	-80000.00	-13.733906	20	PASS
		5845	NV	NT	-100000.00	-17.108640	20	PASS
		5865	NV	NT	-80000.00	-13.640239	20	PASS

Temperature								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	0	-80000.00	-15.444015	20	PASS
			NV	40	-80000.00	-15.444015	20	PASS
		5200	NV	0	-80000.00	-15.384615	20	PASS
			NV	40	-80000.00	-15.384615	20	PASS
		5240	NV	0	-100000.00	-19.083969	20	PASS
			NV	40	-100000.00	-19.083969	20	PASS
		5785	NV	0	-80000.00	-13.828868	20	PASS
			NV	40	-100000.00	-17.286085	20	PASS
		5825	NV	0	-100000.00	-17.167382	20	PASS
			NV	40	-80000.00	-13.733906	20	PASS
		5845	NV	0	-100000.00	-17.108640	20	PASS
			NV	40	-100000.00	-17.108640	20	PASS
		5865	NV	0	-80000.00	-13.640239	20	PASS
			NV	40	-100000.00	-17.050298	20	PASS

Appendix A.6: Test Results of Radiated Spurious Emissions

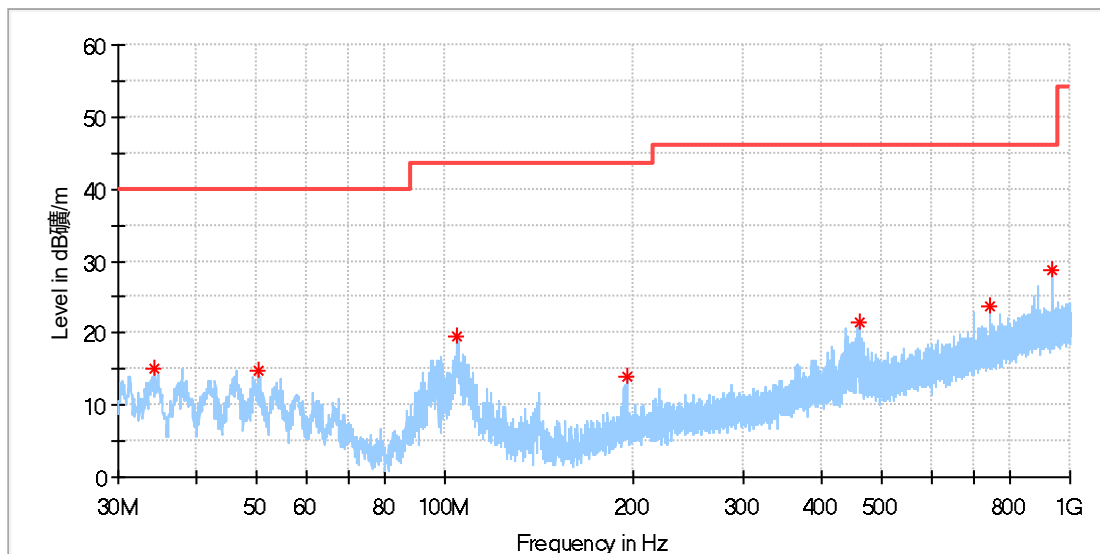
Note:

- 1) This testing was carried out on different modulations, but only the worst case was presented in this report.
- 2) Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 40GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

30MHz - 1GHz

EUT Information

EUT Name:	Client
Model:	BlitzFunk CW32R
Test Mode:	WIFI 5G_11a_Ch48
Order No/Sample No:	27227126/A004250609-008
Test Voltage:	120V/60Hz
Remark:	Temp 23.2°C Humi:55%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

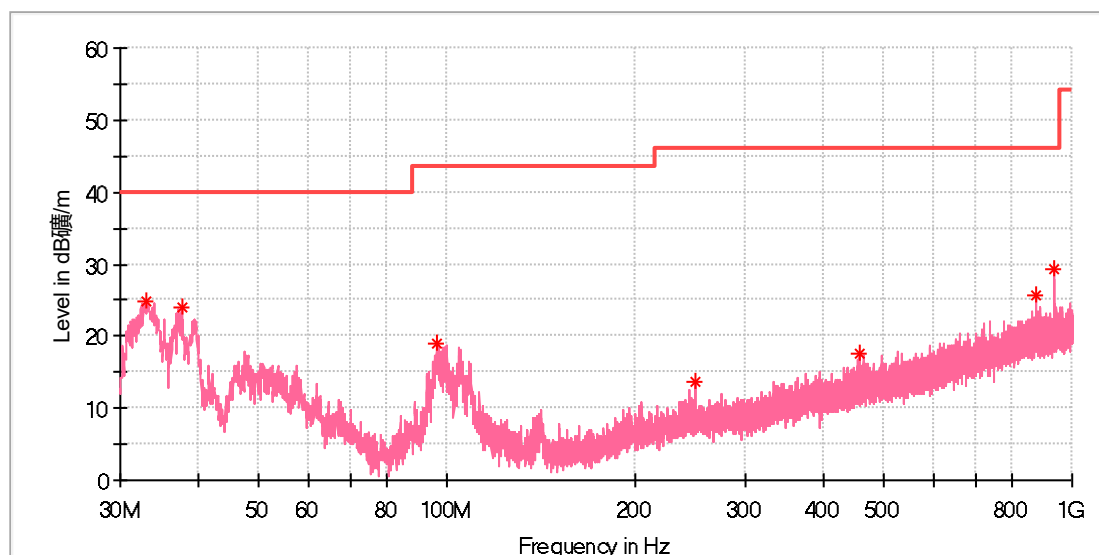
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
34.365000	14.96	40.00	25.04	100.0	H	264.0	-22.2
50.273000	14.80	40.00	25.20	100.0	H	128.0	-18.4
104.738500	19.60	43.50	23.90	100.0	H	264.0	-18.9
195.530500	13.94	43.50	29.56	100.0	H	169.0	-19.3
459.031000	21.44	46.00	24.56	100.0	H	343.0	-12.6
742.465000	23.68	46.00	22.32	100.0	H	325.0	-7.2
936.950000	28.85	46.00	17.15	100.0	H	281.0	-4.4

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Client
Model:	BlitzFunk CW32R
Test Mode:	WIFI 5G_11a_Ch48
Order No/Sample No:	27227126/A004250609-008
Test Voltage:	120V/60Hz
Remark:	Temp 23.2°C Humi:55%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

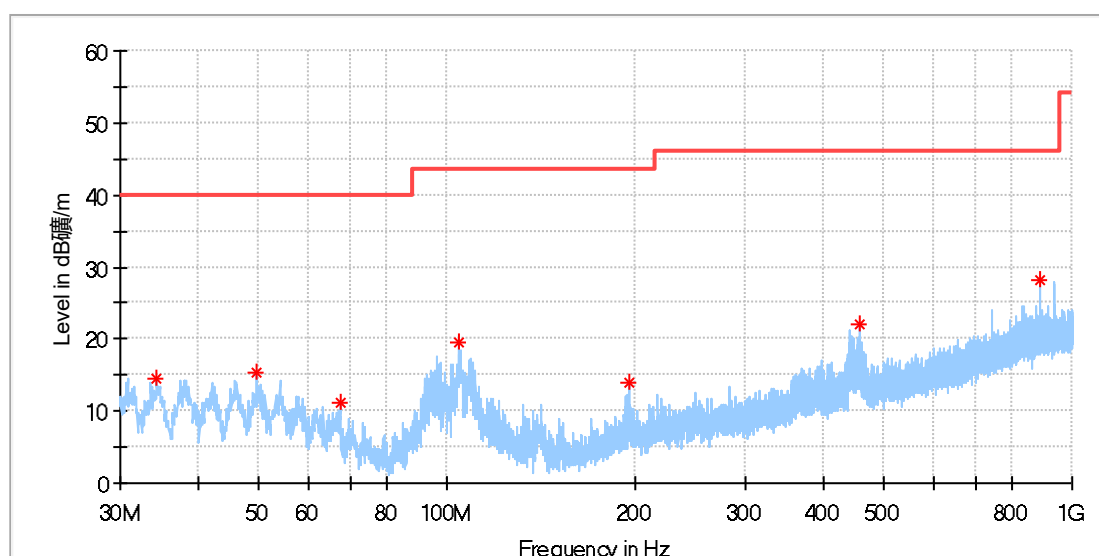
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
33.055500	24.89	40.00	15.11	100.0	V	212.0	-22.5
37.614500	23.97	40.00	16.03	100.0	V	41.0	-21.0
96.251000	18.93	43.50	24.57	100.0	V	346.0	-19.7
250.044500	13.67	46.00	32.33	100.0	V	231.0	-17.4
456.654500	17.46	46.00	28.54	100.0	V	293.0	-12.6
875.161000	25.70	46.00	20.30	100.0	V	122.0	-5.1
936.998500	29.17	46.00	16.83	100.0	V	23.0	-4.4

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Client
Model:	BlitzFunk CW32R
Test Mode:	WIFI 5G_11a_Ch165
Order No/Sample No:	27227126/A004250609-008
Test Voltage:	120V/60Hz
Remark:	Temp 23.2°C Humi:55%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

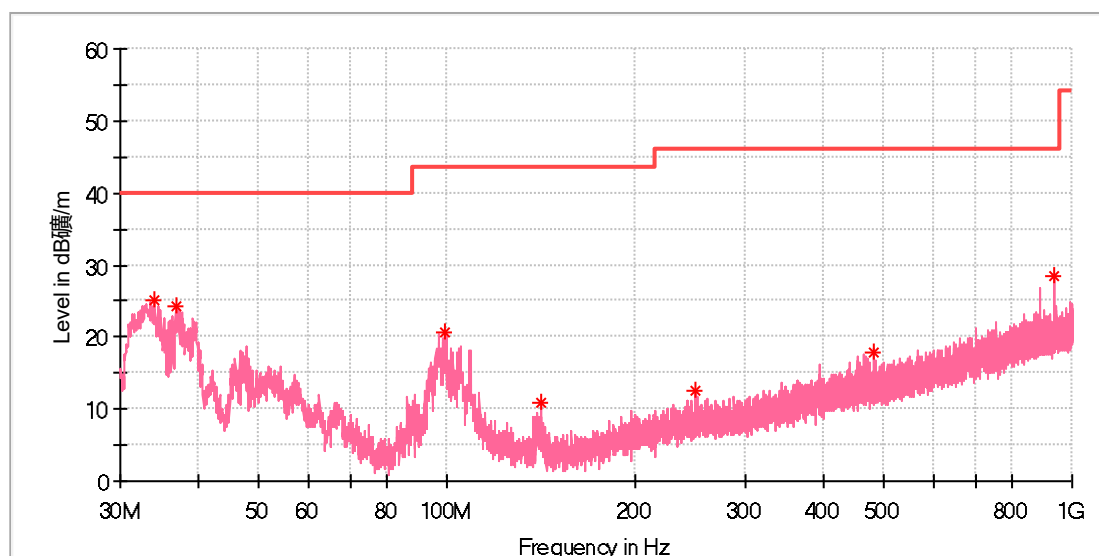
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
34.219500	14.57	40.00	25.43	100.0	H	331.0	-22.2
49.642500	15.22	40.00	24.78	100.0	H	13.0	-18.4
67.393500	11.14	40.00	28.86	100.0	H	131.0	-21.1
104.156500	19.46	43.50	24.04	100.0	H	288.0	-18.9
195.482000	14.00	43.50	29.50	100.0	H	121.0	-19.3
457.091000	21.93	46.00	24.07	100.0	H	331.0	-12.6
890.972000	28.31	46.00	17.69	100.0	H	85.0	-4.9

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Client
Model:	BlitzFunk CW32R
Test Mode:	WIFI 5G_11a_Ch165
Order No/Sample No:	27227126/A004250609-008
Test Voltage:	120V/60Hz
Remark:	Temp 23.2°C Humi:55%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
34.025500	25.10	40.00	14.90	100.0	V	0.0	-22.3
36.838500	24.42	40.00	15.58	100.0	V	0.0	-21.3
99.500500	20.55	43.50	22.95	100.0	V	263.0	-19.2
141.210500	10.79	43.50	32.71	100.0	V	139.0	-22.4
250.044500	12.61	46.00	33.39	100.0	V	254.0	-17.4
480.807500	17.99	46.00	28.01	100.0	V	290.0	-12.1
936.950000	28.43	46.00	17.57	100.0	V	220.0	-4.4

Final_Result

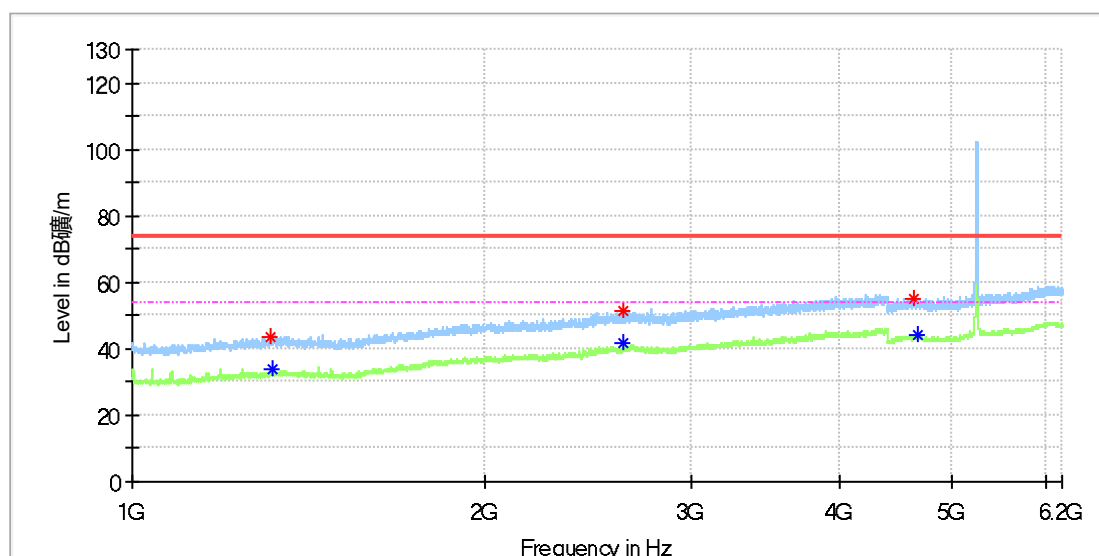
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

1GHz - 18GHz

Note: The highest waveform in the figure is 5GHz Wi-Fi Fundamental.

EUT Information

EUT Name:	Client
Model:	BlitzFunk CW32R
Test Mode:	WIFI 5G_11a_Ch48
Order No/Sample No:	27227126/A004250609-008
Test Voltage:	120V/60Hz
Remark:	Temp 23.2°C Humi:55%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

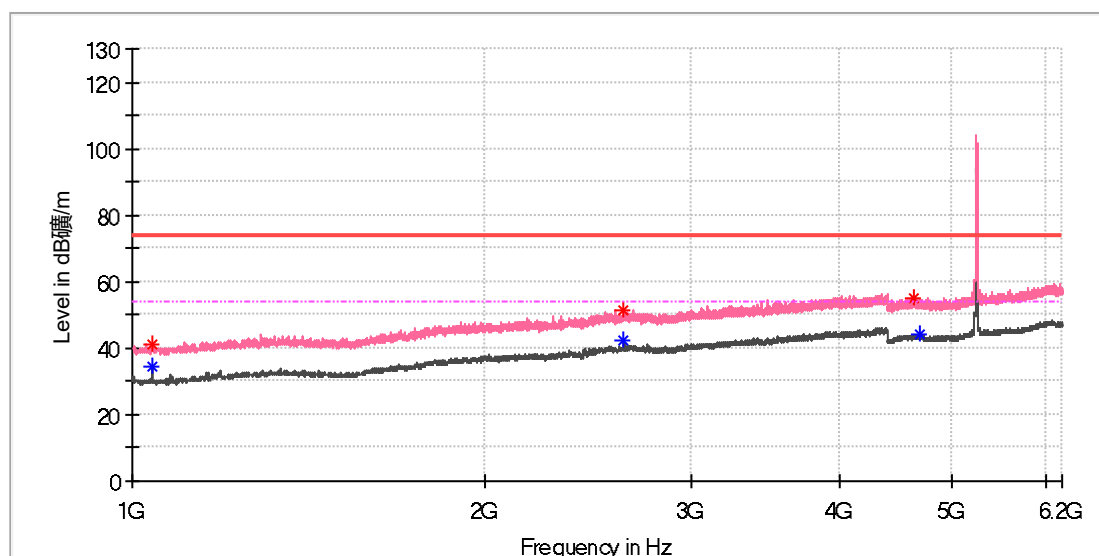
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1312.000000	43.75	---	74.00	30.25	150.0	H	254.0	3.6
1318.000000	---	33.75	54.00	20.25	150.0	H	97.0	3.6
2624.500000	51.66	---	74.00	22.34	150.0	H	134.0	10.8
2625.500000	---	41.56	54.00	12.44	150.0	H	42.0	10.8
4639.000000	55.16	---	74.00	18.84	150.0	H	345.0	13.5
4675.000000	---	44.23	54.00	9.77	150.0	H	269.0	13.5

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	Client
Model:	BlitzFunk CW32R
Test Mode:	WIFI 5G_11a_Ch48
Order No/Sample No:	27227126/A004250609-008
Test Voltage:	120V/60Hz
Remark:	Temp 23.2°C Humi:55%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

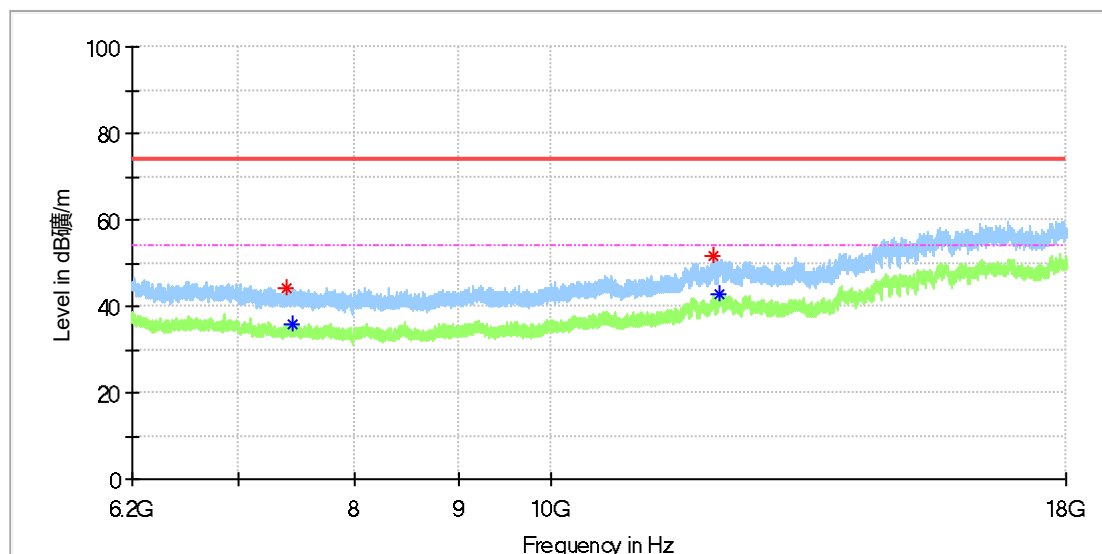
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1039.000000	41.02	---	74.00	32.98	150.0	V	68.0	0.9
1039.000000	---	34.53	54.00	19.47	150.0	V	68.0	0.9
2623.500000	51.44	---	74.00	22.56	150.0	V	166.0	10.8
2625.500000	---	42.60	54.00	11.40	150.0	V	247.0	10.8
4634.500000	54.94	---	74.00	19.06	150.0	V	292.0	13.5
4680.500000	---	43.88	54.00	10.12	150.0	V	123.0	13.5

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	Client
Model:	BlitzFunk CW32R
Test Mode:	WIFI 5G_11a_Ch48
Order No/Sample No:	27227126/A004250609-008
Test Voltage:	120V/60Hz
Remark:	Temp 23.2°C Humi:55%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

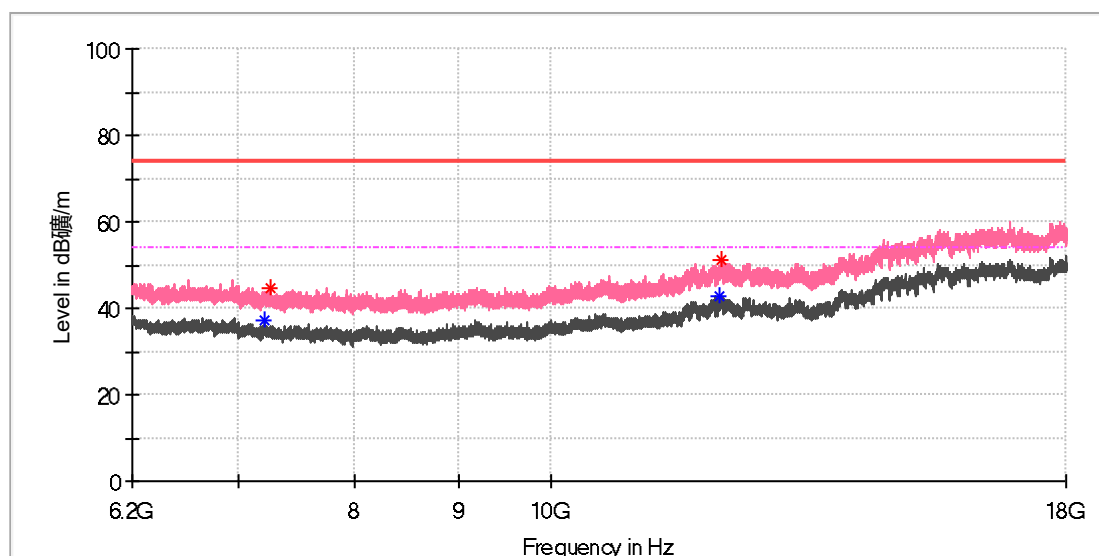
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7402.125000	44.14	---	74.00	29.86	150.0	H	153.0	8.3
7444.408333	---	35.98	54.00	18.02	150.0	H	141.0	8.5
12041.983333	51.52	---	74.00	22.48	150.0	H	153.0	16.2
12127.533333	---	42.85	54.00	11.15	150.0	H	0.0	16.1

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.7	122.0	118.0	120.0	2.0	30.0	V	135	0.0

EUT Information

EUT Name:	Client
Model:	BlitzFunk CW32R
Test Mode:	WIFI 5G_11a_Ch48
Order No/Sample No:	27227126/A004250609-008
Test Voltage:	120V/60Hz
Remark:	Temp 23.2°C Humi:55%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

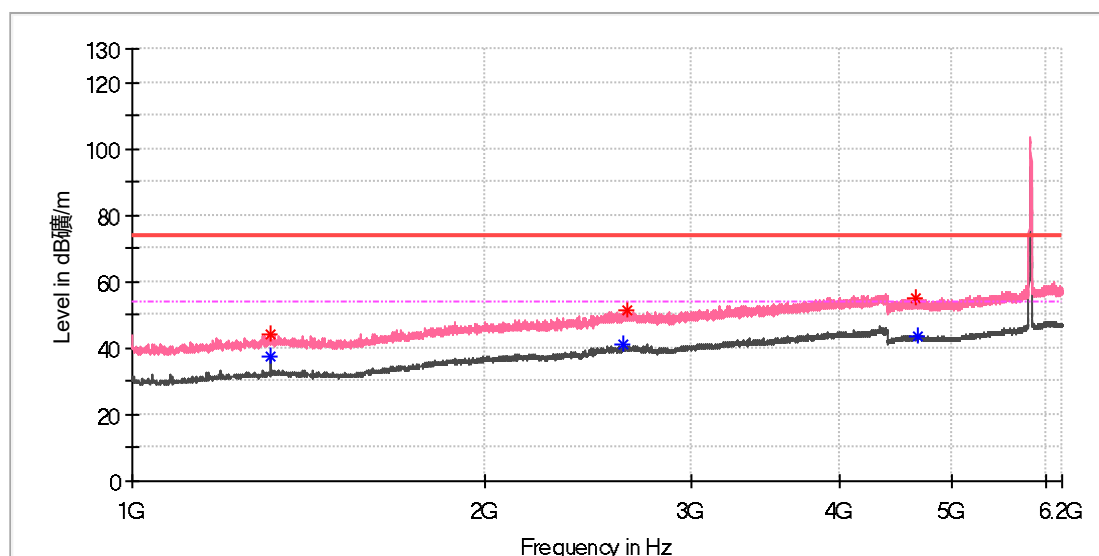
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7206.933333	---	37.13	54.00	16.87	150.0	V	359.0	8.8
7261.508333	44.42	---	74.00	29.58	150.0	V	298.0	8.5
12122.125000	---	42.92	54.00	11.08	150.0	V	352.0	16.0
12146.708333	51.02	---	74.00	22.98	150.0	V	263.0	16.6

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
100.000000	100.000000	100.000000	100.000000	100.000000	100.000000		100.000000	

EUT Information

EUT Name:	Client
Model:	BlitzFunk CW32R
Test Mode:	WIFI 5G_11a_Ch165
Order No/Sample No:	27227126/A004250609-008
Test Voltage:	120V/60Hz
Remark:	Temp 23.2°C Humi:55%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

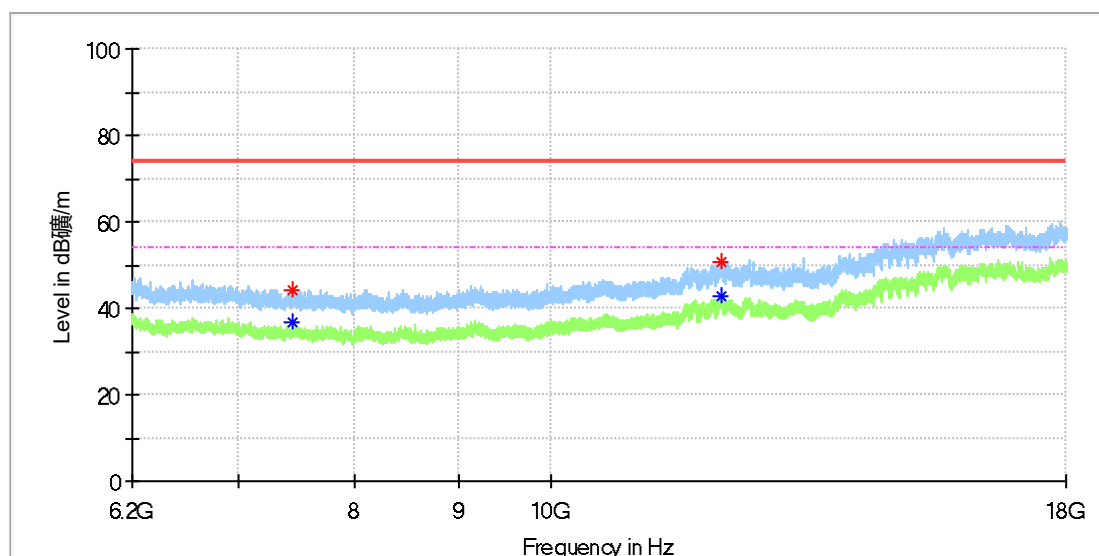
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1312.000000	44.16	---	74.00	29.84	150.0	V	268.0	3.6
1312.500000	---	37.79	54.00	16.21	150.0	V	268.0	3.6
2625.500000	---	41.18	54.00	12.82	150.0	V	329.0	10.8
2642.000000	51.11	---	74.00	22.89	150.0	V	329.0	10.9
4653.500000	54.88	---	74.00	19.12	150.0	V	20.0	13.5
4674.000000	---	43.71	54.00	10.29	150.0	V	38.0	13.5

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name:	Client
Model:	BlitzFunk CW32R
Test Mode:	WIFI 5G_11a_Ch165
Order No/Sample No:	27227126/A004250609-008
Test Voltage:	120V/60Hz
Remark:	Temp 23.2°C Humi:55%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

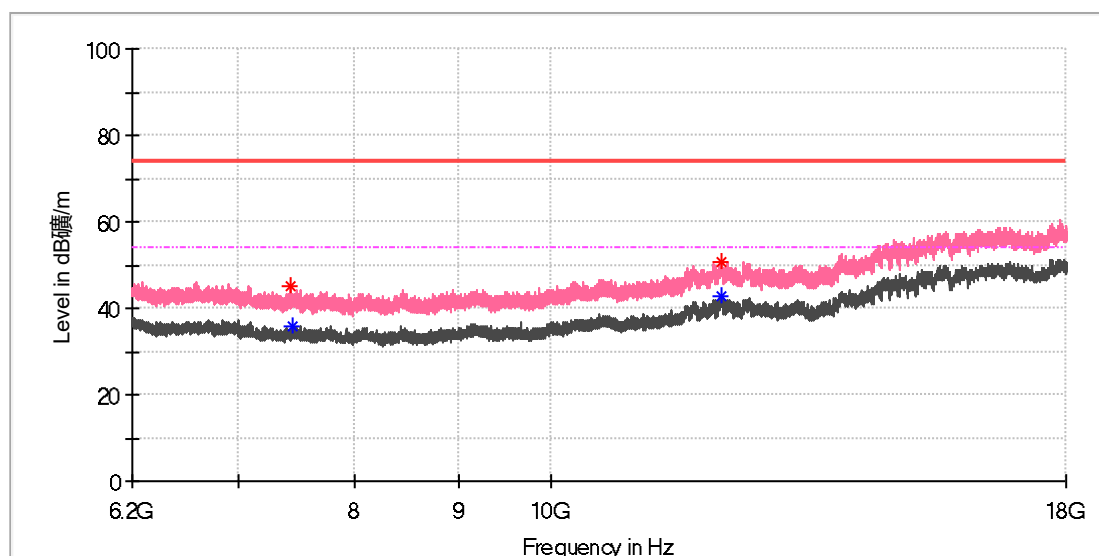
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7443.916667	43.96	---	74.00	30.04	150.0	H	279.0	8.5
7450.308333	---	36.80	54.00	17.20	150.0	H	233.0	8.5
12140.316667	50.67	---	74.00	23.33	150.0	H	152.0	16.5
12144.741667	---	42.87	54.00	11.13	150.0	H	345.0	16.6

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
100.000000	100.000000	100.000000	100.000000	100.000000	100.000000		100.000000	

EUT Information

EUT Name:	Client
Model:	BlitzFunk CW32R
Test Mode:	WIFI 5G_11a_Ch165
Order No/Sample No:	27227126/A004250609-008
Test Voltage:	120V/60Hz
Remark:	Temp 23.2°C Humi:55%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

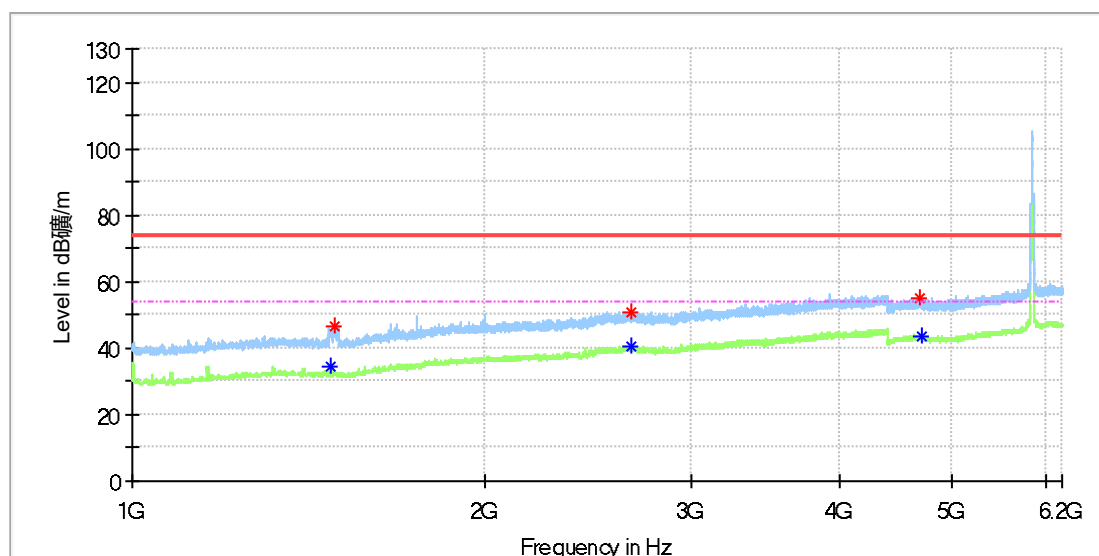
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7428.183333	45.11	---	74.00	28.89	150.0	V	293.0	8.4
7452.275000	---	35.66	54.00	18.34	150.0	V	98.0	8.5
12153.591667	50.53	---	74.00	23.47	150.0	V	210.0	16.5
12155.558333	---	42.57	54.00	11.43	150.0	V	234.0	16.4

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
100.000000	100.000000	100.000000	100.000000	100.000000	100.000000		100.000000	

EUT Information

EUT Name:	Client
Model:	BlitzFunk CW32R
Test Mode:	WIFI 5G_11a_Ch169
Order No/Sample No:	27227126/A004250609-008
Test Voltage:	120V/60Hz
Remark:	Temp 23.2°C Humi:55%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

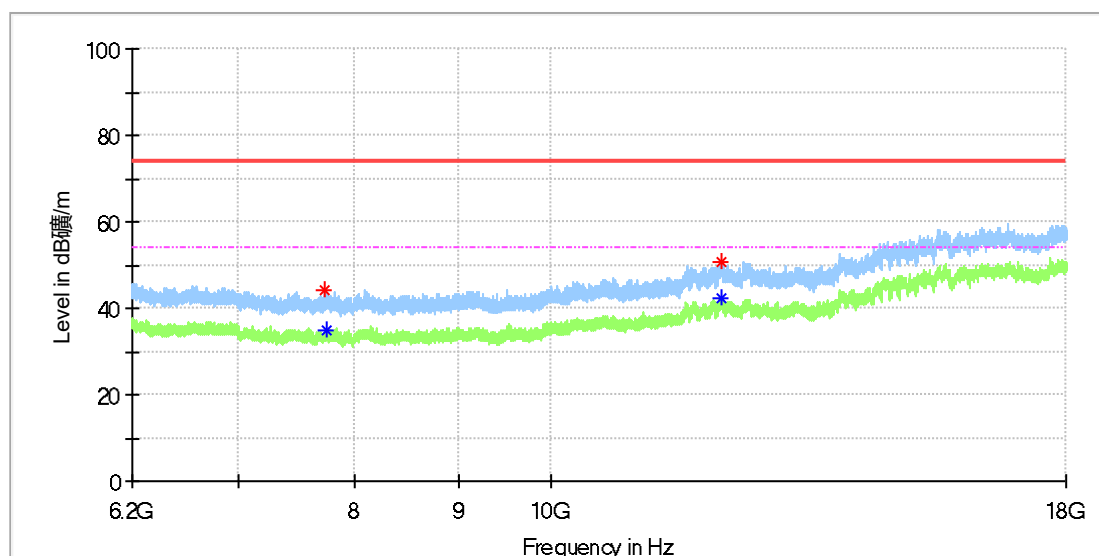
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1477.500000	---	34.57	54.00	19.43	150.0	H	223.0	3.3
1488.500000	46.86	---	74.00	27.14	150.0	H	211.0	3.2
2661.000000	---	40.38	54.00	13.62	150.0	H	351.0	11.0
2661.500000	50.86	---	74.00	23.14	150.0	H	357.0	11.0
4687.500000	55.11	---	74.00	18.89	150.0	H	322.0	13.5
4700.000000	---	43.81	54.00	10.19	150.0	H	4.0	13.5

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name:	Client
Model:	BlitzFunk CW32R
Test Mode:	WIFI 5G_11a_Ch169
Order No/Sample No:	27227126/A004250609-008
Test Voltage:	120V/60Hz
Remark:	Temp 23.2°C Humi:55%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

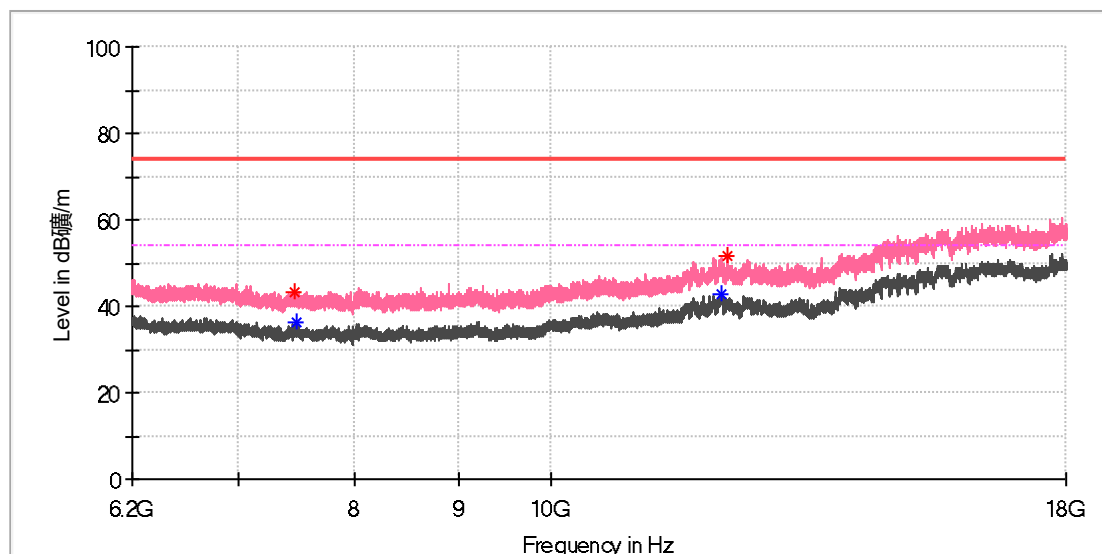
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7727.608333	44.08	---	74.00	29.92	150.0	H	356.0	8.7
7748.750000	---	34.95	54.00	19.05	150.0	H	305.0	8.8
12155.066667	---	42.37	54.00	11.63	150.0	H	211.0	16.5
12157.033333	50.54	---	74.00	23.46	150.0	H	201.0	16.4

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
100.000000	100.000000	100.000000	100.000000	100.000000	100.000000		100.000000	

EUT Information

EUT Name:	Client
Model:	BlitzFunk CW32R
Test Mode:	WIFI 5G_11a_Ch169
Order No/Sample No:	27227126/A004250609-008
Test Voltage:	120V/60Hz
Remark:	Temp 23.2°C Humi:55%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7466.533333	43.38	---	74.00	30.62	150.0	V	158.0	8.6
7484.233333	---	36.09	54.00	17.91	150.0	V	281.0	8.7
12137.858333	---	42.61	54.00	11.39	150.0	V	16.0	16.4
12225.375000	51.43	---	74.00	22.57	150.0	V	59.0	15.9

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.5	59.5	59.5	59.5	0.0	100.0	0	0	0

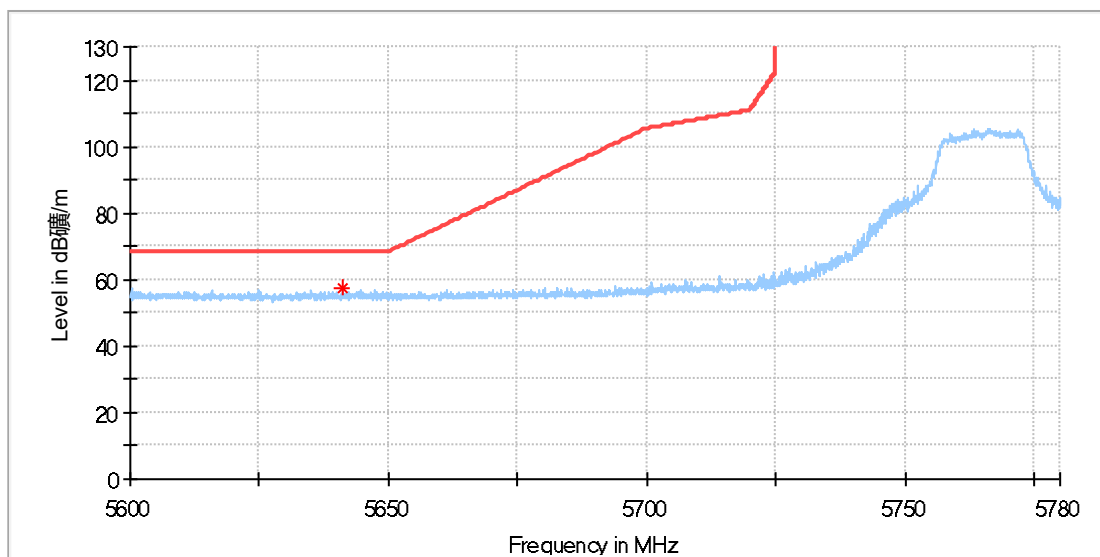
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.7	122.5	122.5	122.5	0	100	h	135	0

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.5	122.5	122.5	122.5	0	100	V	135	0

EUT Information

EUT Name:	Client
Model:	BlitzFunk CW32R
Test Mode:	WIFI 5G_11a_Ch153
Order No/Sample No:	27227126/A004250609-008
Test Voltage:	120V/60Hz
Remark:	Temp 23.2°C Humi:55%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

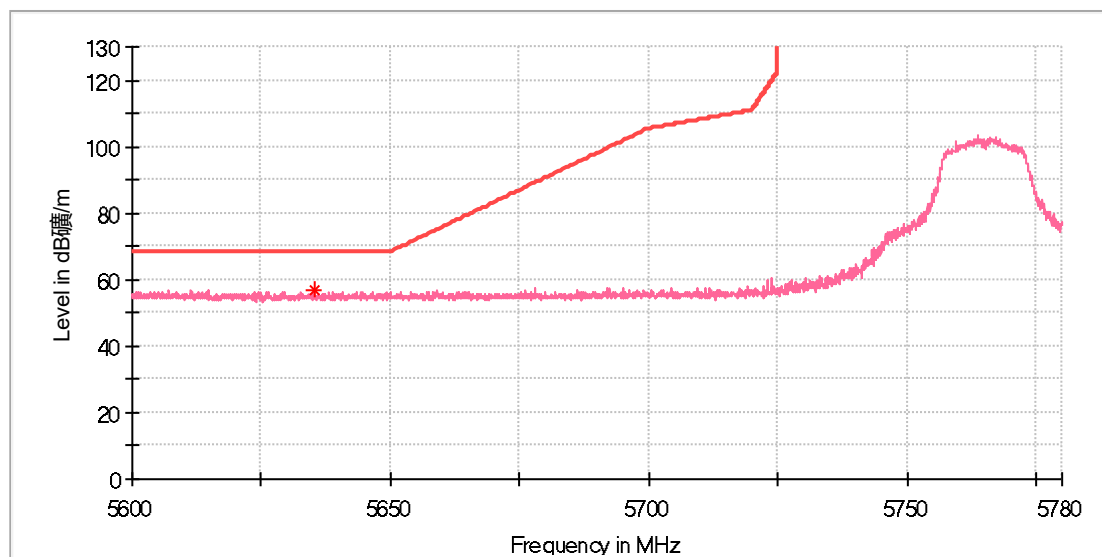
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5641.066667	57.32	68.20	10.88	150.0	H	247.0	15.3

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name:	Client
Model:	BlitzFunk CW32R
Test Mode:	WIFI 5G_11a_Ch153
Order No/Sample No:	27227126/A004250609-008
Test Voltage:	120V/60Hz
Remark:	Temp 23.2°C Humi:55%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

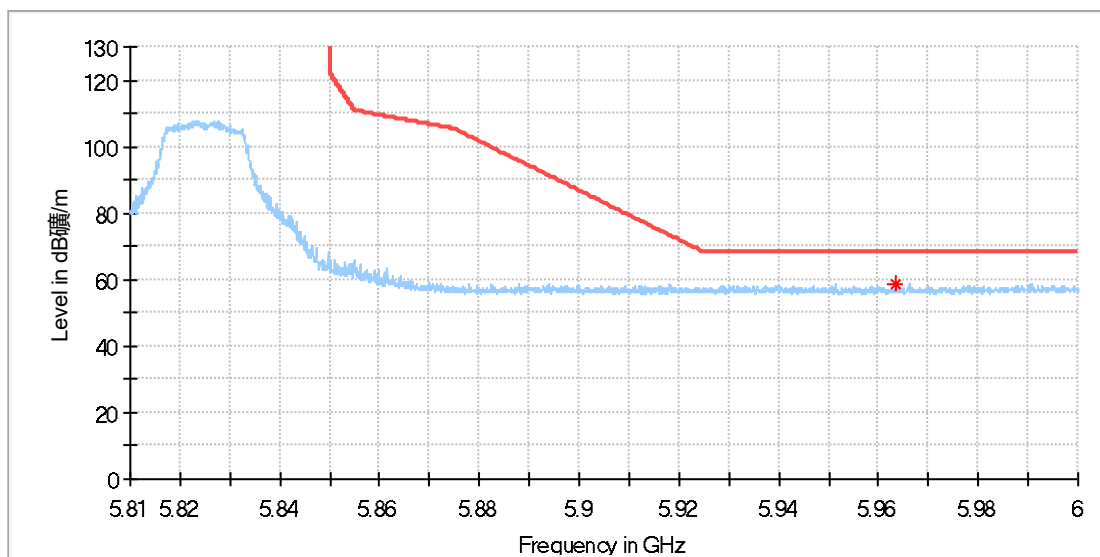
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5635.138889	56.98	68.20	11.22	150.0	V	178.0	15.3

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name:	Client
Model:	BlitzFunk CW32R
Test Mode:	WIFI 5G_11a_Ch165
Order No/Sample No:	27227126/A004250609-008
Test Voltage:	120V/60Hz
Remark:	Temp 23.2°C Humi:55%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

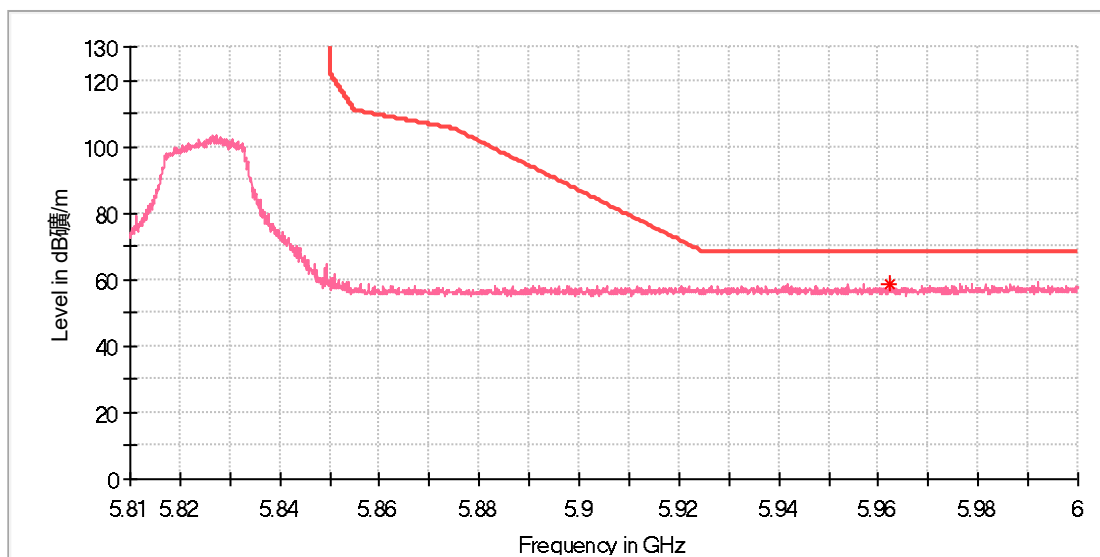
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5963.333333	58.88	68.20	9.32	150.0	H	0.0	16.3

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name:	Client
Model:	BlitzFunk CW32R
Test Mode:	WIFI 5G_11a_Ch165
Order No/Sample No:	27227126/A004250609-008
Test Voltage:	120V/60Hz
Remark:	Temp 23.2°C Humi:55%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

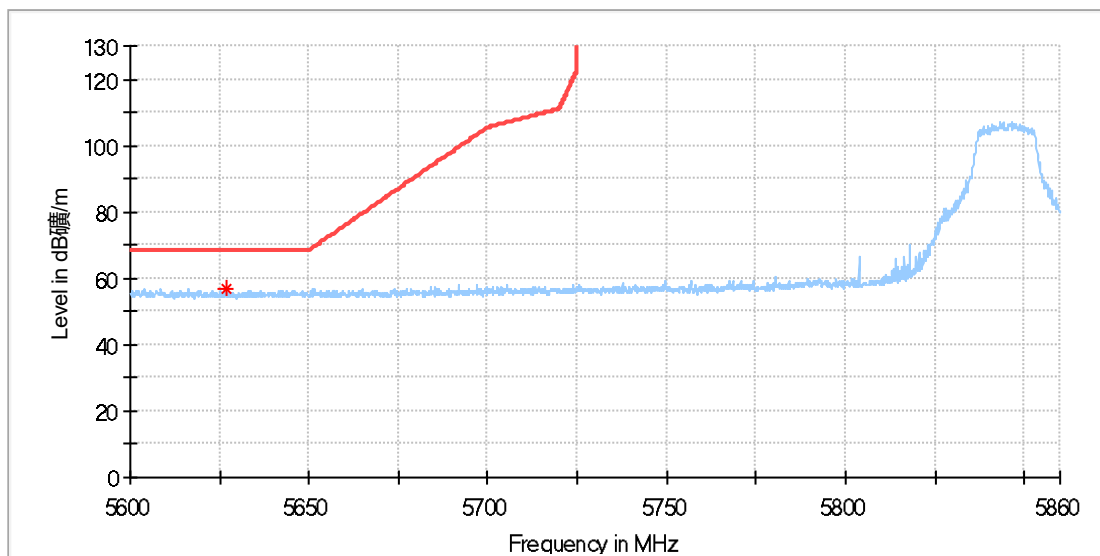
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5962.111111	58.89	68.20	9.31	150.0	V	136.0	16.3

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name:	Client
Model:	BlitzFunk CW32R
Test Mode:	WIFI 5G_11a_Ch169
Order No/Sample No:	27227126/A004250609-008
Test Voltage:	120V/60Hz
Remark:	Temp 23.2°C Humi:55%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

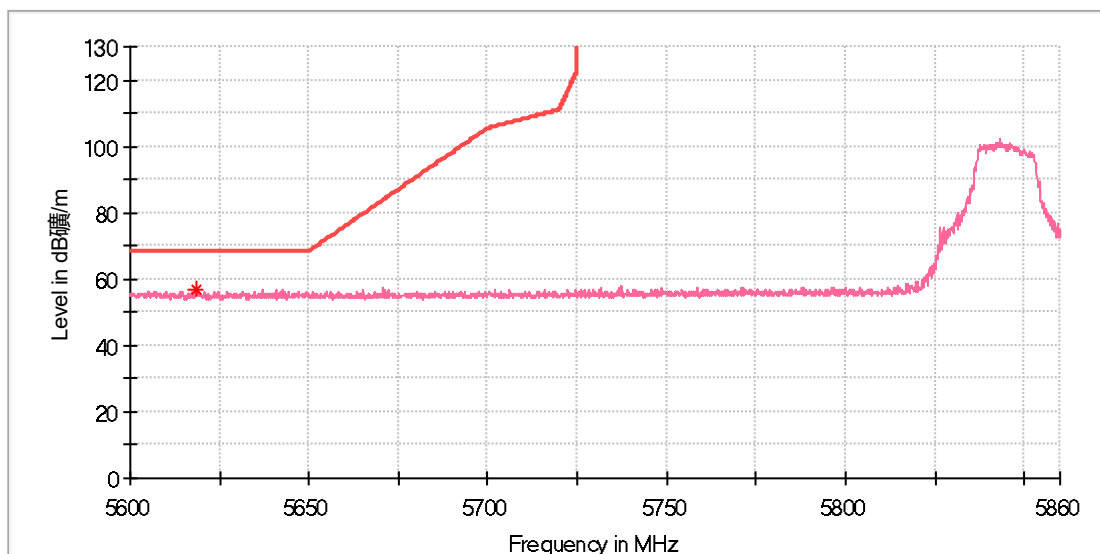
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5626.666667	57.05	68.20	11.15	150.0	H	106.0	15.3

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name:	Client
Model:	BlitzFunk CW32R
Test Mode:	WIFI 5G_11a_Ch169
Order No/Sample No:	27227126/A004250609-008
Test Voltage:	120V/60Hz
Remark:	Temp 23.2°C Humi:55%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

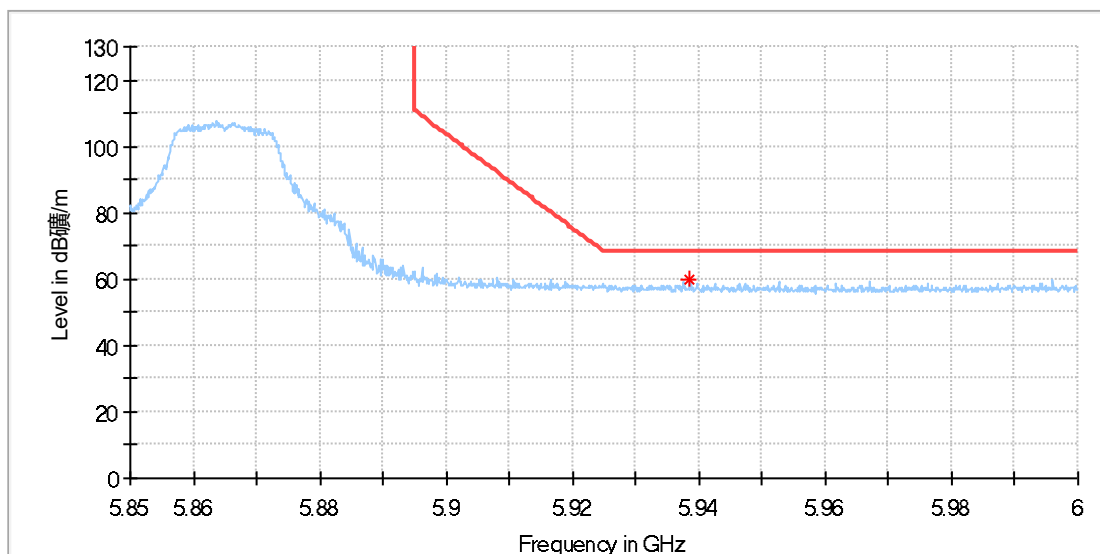
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5618.222222	56.57	68.20	11.63	150.0	V	173.0	15.3

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name:	Client
Model:	BlitzFunk CW32R
Test Mode:	WIFI 5G_11a_Ch173
Order No/Sample No:	27227126/A004250609-008
Test Voltage:	120V/60Hz
Remark:	Temp 23.2°C Humi:55%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

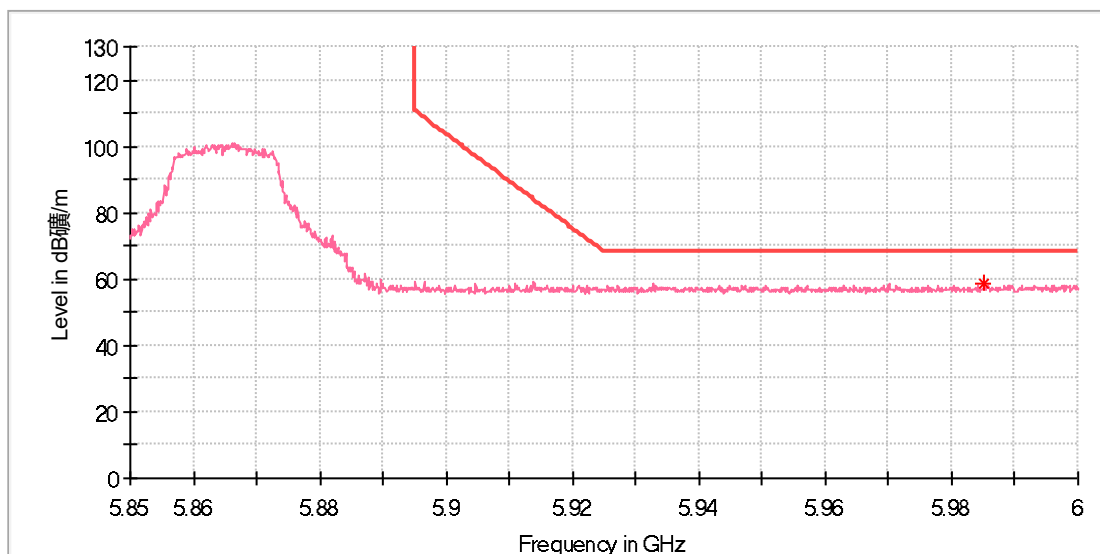
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5938.555556	60.14	68.20	8.06	150.0	H	339.0	16.2

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Client
Model:	BlitzFunk CW32R
Test Mode:	WIFI 5G_11a_Ch173
Order No/Sample No:	27227126/A004250609-008
Test Voltage:	120V/60Hz
Remark:	Temp 23.2°C Humi:55%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5985.111111	58.55	68.20	9.65	150.0	V	115.0	16.4

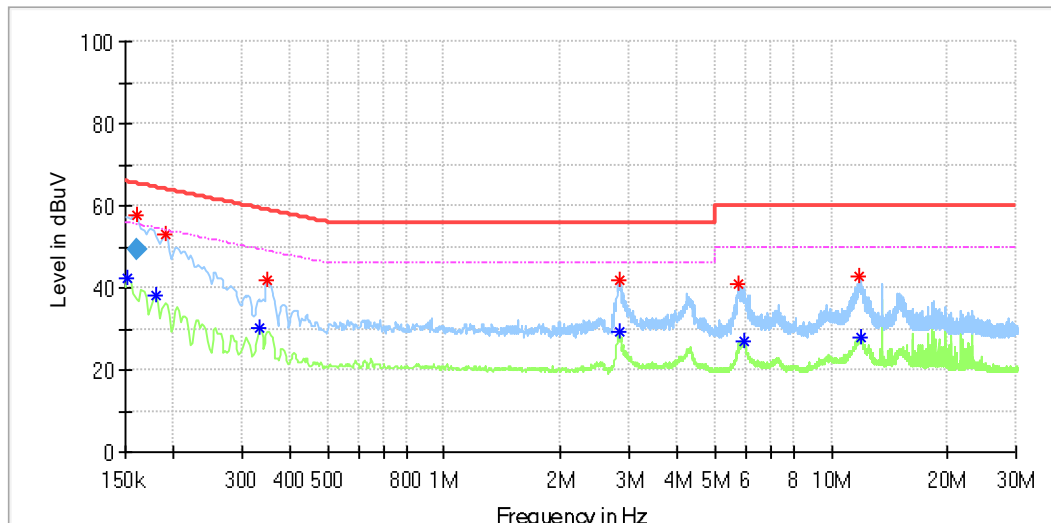
Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

Appendix A.8: Test Results of Conducted Emission on AC Mains

EUT Information

EUT Name:	Client
Order Number:	27227126 10-(P02301552)
Model:	BlitzFunk CW32R
Test Mode:	On, normal operation by 2.4 GHz Wi-Fi + 5 GHz Wi-Fi + 6 GHz Wi-Fi traffic with Ethernet port data transmission
Test Voltage:	AC 120V 60Hz
Standard:	FCC PART 15
Test By:/Review By:	Charron Chen / Charlie Zha
Tem./Hum./Pressure:	24.0°C/51.1%/101kPa
Remark:	SR 3



Critical Freqs

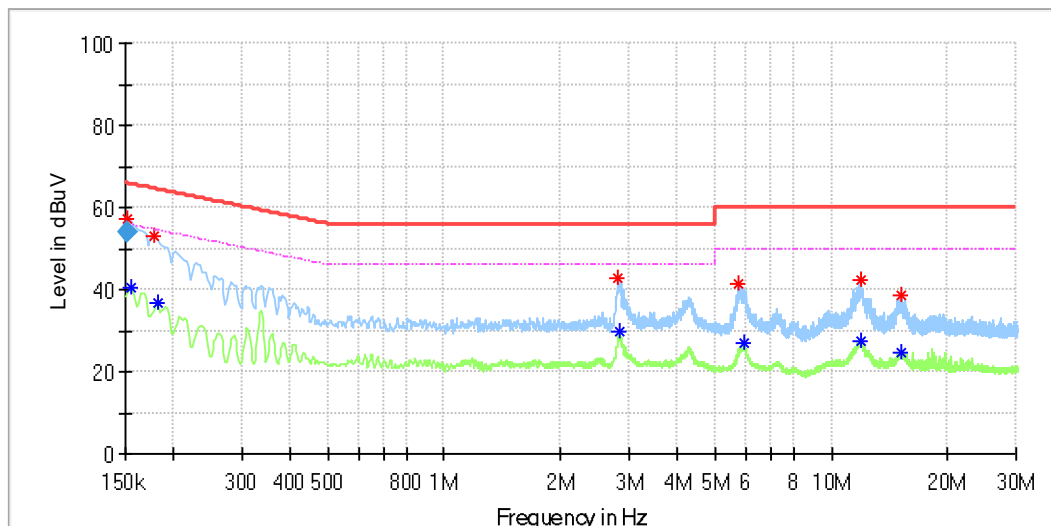
Frequency (MHz)	MaxPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Line	Corr. (dB)
0.152	---	42.4	55.86	13.50	L1	9.5
0.160	57.7	---	65.47	7.77	L1	9.6
0.180	---	38.1	54.49	16.40	L1	9.7
0.190	52.9	---	64.05	11.16	L1	9.7
0.334	---	30.2	49.35	19.14	L1	9.6
0.349	42.1	---	58.99	16.91	L1	9.6
2.829	---	29.4	46.00	16.60	L1	9.6
2.849	41.7	---	56.00	14.25	L1	9.6
5.764	40.8	---	60.00	19.18	L1	9.8
5.948	---	26.8	50.00	23.24	L1	9.8
11.762	42.6	---	60.00	17.36	L1	9.8
11.926	---	28.0	50.00	22.02	L1	9.8

Final Result

Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.160	49.4	---	65.47	16.10	1000.0	9.0	L1	9.6

EUT Information

EUT Name:	Client
Order Number:	27227126 10-(P02301552)
Model:	BlitzFunk CW32R
Test Mode:	On, normal operation by 2.4 GHz Wi-Fi + 5 GHz Wi-Fi + 6 GHz Wi-Fi traffic with Ethernet port data transmission
Test Voltage:	AC 120V 60Hz
Standard:	FCC PART 15
Test By:/Review By:	Charron Chen / Charlie Zha
Tem./Hum./Pressure:	24.0°C/51.1%/101kPa
Remark:	SR 3



Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Line	Corr. (dB)
0.152	57.3	---	65.86	8.55	N	9.7
0.155	---	40.5	55.73	15.27	N	9.8
0.177	52.8	---	64.61	11.80	N	9.9
0.182	---	36.6	54.38	17.73	N	9.9
2.814	42.6	---	56.00	13.40	N	9.8
2.832	---	29.8	46.00	16.25	N	9.8
5.744	41.3	---	60.00	18.72	N	9.8
5.921	---	26.9	50.00	23.14	N	9.8
11.906	42.1	---	60.00	17.88	N	9.6
11.983	---	27.3	50.00	22.67	N	9.6
15.127	---	24.8	50.00	25.22	N	9.6
15.197	38.7	---	60.00	21.34	N	9.6

Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.152	53.8	---	65.86	12.03	1000.0	9.0	N	9.7