

Prüfbericht-Nr.: <i>Test report no.:</i>	CN26XDE1 001	Auftrags-Nr.: <i>Order no.:</i>	27233930	Seite 1 von 25 Page 1 of 25
Kunden-Referenz-Nr.: <i>Client reference no.:</i>	N/A	Auftragsdatum: <i>Order date:</i>	2026-05-11	
Auftraggeber: <i>Client:</i>	Hui Zhou Gaoshengda Technology Co.,LTD No.6, Qiaoguang Road, Chenjiang Street, Zhongkai High-tech Zone, Huizhou, Guangdong, China			
Prüfgegenstand: <i>Test item:</i>	WIFI+BT Module			
Bezeichnung / Typ-Nr.: <i>Identification / Type no.:</i>	WKXT1AM2511 (Trademark: GSD)			
Auftrags-Inhalt: <i>Order content:</i>	Test Report			
Prüfgrundlage: <i>Test specification:</i>	CFR Title 47 FCC Part 15: Subpart C Section 15.247			
Wareneingangsdatum: <i>Date of sample receipt:</i>	2026-05-12	Please refer to Photo Document		
Prüfmuster-Nr.: <i>Test sample no.:</i>	A004270738-001~005 A004284772-001~004			
Prüfzeitraum: <i>Testing period:</i>	2026-06-05 - 2026-06-12			
Ort der Prüfung: <i>Place of testing:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: <i>Test result*:</i>	Pass			
geprüft von: <i>tested by:</i>		genehmigt von: <i>authorized by:</i>	 Bell Hu	
Datum: <i>Date:</i>	2026-07-02	Ausstellungsdatum: <i>Issue date:</i>	2026-07-02	
Stellung / Position:	Sachverständige(r)/Expert	Stellung / Position:	Sachverständige(r)/Expert	
Sonstiges / <i>Other:</i>	FCC ID: 2AC23-WKXT1A This report is for Bluetooth dual mode.			
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>	Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>			
* 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
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Anmerkungen
Remarks

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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 115:2023, 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 115:2023, 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>

Test Summary

5.1.1 ANTENNA REQUIREMENT

RESULT: Pass

5.1.2 MAXIMUM PEAK CONDUCTED OUTPUT POWER

RESULT: Pass

5.1.3 CONDUCTED POWER SPECTRAL DENSITY

RESULT: Pass

5.1.4 6dB BANDWIDTH

RESULT: Pass

5.1.5 99% BANDWIDTH

RESULT: Pass

5.1.6 20dB BANDWIDTH

RESULT: Pass

5.1.7 CARRIER FREQUENCY SEPARATION

RESULT: Pass

5.1.8 NUMBER OF HOPPING FREQUENCY

RESULT: Pass

5.1.9 TIME OF OCCUPANCY

RESULT: Pass

5.1.10 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 KHz BANDWIDTH

RESULT: Pass

5.1.11 RADIATED SPURIOUS EMISSION

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 Bluetooth BR & EDR

Appendix B: Test Results of Bluetooth LE

Appendix C: 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

FCC Accreditation Designation No.: 694916

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Radio Spectrum Testing (SRD-Tonscend 1)					
Equipment	Manufacturer	Model	Serial No.	Cal. Date	Cal. until
Wireless Connectivity Tester	R&S	CMW270	102505	2025-09-23	2026-09-22
EXA Signal Analyzer, Multi-touch	Keysight	N9010B	MY60241175	2025-09-23	2026-09-22
MXG X-Series RF Vector Signal Generator	Keysight	N5182B	MY61250137	2025-09-23	2026-09-22
EXG X-Series Microwave Analog Signal Generator	Keysight	N5173B	MY61250141	2025-09-23	2026-09-22
DC power supply	Keysight	E3642A	MY61276100	2025-09-23	2026-09-22
Power Control Unit	Tonscend	JS0806-4ADC	N/A	2025-09-23	2026-09-22
Automation Control Unit	Tonscend	JS0806-2	21C8060396	2025-09-23	2026-09-22
Test Software	Tonscend	JS1120-3	N/A	N/A	N/A
Control PC	Lenovo	TianYi510S-071MB	YLX23JMF	N/A	N/A
Shielding Room	Albatross	SR1	APC17151-SR1	2024-09-14	2027-09-13
Unwanted Emission Testing (TS9975)					
Equipment	Manufacturer	Model	Serial No.	Cal. Date	Cal. until
EMI Test Receiver	R&S	ESR 7	102021	2025-09-22	2026-09-21
Signal Analyzer	R&S	FSV 40	101439	2025-09-22	2026-09-21
System Controller Interface	R&S	SCI-100	S10010038	N/A	N/A
Filter bank	R&S	Wlan	100759	2025-09-22	2026-09-21
OSP	R&S	OSP 120	102040	N/A	N/A
Pre-amplifier	R&S	SCU08F1	08320031	2025-09-22	2026-09-21
Amplifier	R&S	SCU-18F	180070	2025-09-22	2026-09-21
Amplifier	R&S	SCU40A	100475	2025-09-22	2026-09-21
Trilog Broadband Antenna (30 MHz - 7 GHz)	Schwarzbeck	VULB 9162	193	2024-09-28	2026-09-27
Double-Ridged Antenna (1-18 GHz)	ETS-LINDGREN	3117	00218717	2024-09-28	2026-09-27

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Wideband Ridged Horn Antenna (18-40 GHz)	Steatite	QMS-00880	19067	2024-09-28	2026-09-27
Active Loop Antenna	Schwarzbeck	FMZB 1513	302	2024-09-28	2026-09-27
Test software	R&S	EMC32 (V10.60.10)	N/A	N/A	N/A
Control PC	Dell	OptiPlex 7050	36NV9P2	N/A	N/A
3m Semi-Anechoic Chamber	Albatross	SAC-3m	APC17151-SAC	2024-09-14	2027-09-13

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 Measurement Uncertainty

The estimated combined standard uncertainty for radiated emissions and conducted emissions measurements as below table.

Table 2: Measurement Uncertainty

Parameter	Uncertainty
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

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 EUT is a WIFI+BT Module, which supports Bluetooth (dual mode), 2.4GHz Wi-Fi and 5GHz Wi-Fi functions.

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

3.2 Ratings and System Details

Table 3: General Information of EUT

General Information of EUT	Value
Kind of Equipment:	WIFI+BT Module
Type Designation:	WKXT1AM2511
Trademark:	GSD
FCC ID:	2AC23-WKXT1A
Operating Voltage:	DC 5V
Operating Temperature Range:	-10 °C ~ +70 °C
Technical Specification of Bluetooth (dual mode)	
Operating Frequency:	2402 MHz to 2480 MHz
Type of Modulation:	GFSK, $\pi/4$ -DQPSK, 8DPSK
Channel Number:	BR & EDR mode:79 channels, Low Energy mode:40 channels
Channel Separation:	BR & EDR mode:1MHz, Low Energy mode:2MHz
Data Rate:	BR & EDR mode: 1Mbps, 2Mbps, 3Mbps Low Energy mode: 1Mbps, 2Mbps
Antenna Type:	PCB Antenna
Antenna Gain:	2.17 dBi (Provided by the Client)
Technical Specification of 2.4GHz Wi-Fi	
Operating Frequency:	2412 - 2462 MHz for 802.11b/g/n(HT20)/ax(HE20) 2422 - 2452 MHz for 802.11n(HT40)/ax(HE40)
Type of Modulation:	DSSS(DBPSK/DQPSK/CCK) OFDM(BPSK/QPSK/16QAM/64QAM/256QAM/1024QAM)
Data Rate:	1/2/5.5/11 Mbps for 802.11b 6/9/12/18/24/36/48/54 Mbps for 802.11g MCS0~MCS15 for 802.11n MCS0 ~ MCS11 for 802.11ax* (*Only Full RU mode supported for 802.11ax.)
Channel Number:	11 channels for 802.11b/g/n(HT20)/ax(HE20) 7 channels for 802.11n(HT40)/ax(HE40)
Channel Separation:	5 MHz
Antenna Type:	PCB Antenna
Antenna Number:	2Tx2Rx
Antenna Gain:	1.48 dBi for ANT 0; 1.12 dBi for ANT 1 (Provided by the Client)
Technical Specification of 5GHz Wi-Fi	

Operating Frequency:	5180-5240MHz, 5260-5320MHz, 5500-5700MHz, 5745-5825MHz
Protocol:	802.11 a/n20/n40/ac20/ac40/ac80/ax20/ax40/ax80
Channel Number:	5180-5240MHz, 7CHs 5260-5320MHz, 7CHs 5500-5700MHz, 18CHs 5745-5825MHz, 8CHs
Type of Modulation:	OFDM(BPSK/QPSK/16QAM/64QAM/256QAM/1024QAM)
Data Rate:	6/9/12/18/24/36/48/54 Mbps for 802.11a MCS0~MCS7 for 802.11n MCS0~MCS9 for 802.11ac MCS0 ~ MCS11 for 802.11ax* (*Only Full RU mode supported for 802.11ax.)
Channel Separation:	20MHz, 40MHz, 80MHz
Antenna Type:	PCB Antenna
Antenna Number:	2Tx2Rx
Antenna Gain:	2.97 dBi for ANT 0; 2.99 dBi for ANT 1 (Provided by the Client)

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 Bluetooth BR & EDR

RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)
0	2402.00	20	2422.00	40	2442.00	60	2462.00
1	2403.00	21	2423.00	41	2443.00	61	2463.00
2	2404.00	22	2424.00	42	2444.00	62	2464.00
3	2405.00	23	2425.00	43	2445.00	63	2465.00
4	2406.00	24	2426.00	44	2446.00	64	2466.00
5	2407.00	25	2427.00	45	2447.00	65	2467.00
6	2408.00	26	2428.00	46	2448.00	66	2468.00
7	2409.00	27	2429.00	47	2449.00	67	2469.00
8	2410.00	28	2430.00	48	2450.00	68	2470.00
9	2411.00	29	2431.00	49	2451.00	69	2471.00
10	2412.00	30	2432.00	50	2452.00	70	2472.00
11	2413.00	31	2433.00	51	2453.00	71	2473.00
12	2414.00	32	2434.00	52	2454.00	72	2474.00
13	2415.00	33	2435.00	53	2455.00	73	2475.00
14	2416.00	34	2436.00	54	2456.00	74	2476.00
15	2417.00	35	2437.00	55	2457.00	75	2477.00
16	2418.00	36	2438.00	56	2458.00	76	2478.00
17	2419.00	37	2439.00	57	2459.00	77	2479.00
18	2420.00	38	2440.00	58	2460.00	78	2480.00
19	2421.00	39	2441.00	59	2461.00		

Test frequencies are lowest channel: 2402 MHz, middle channel: 2441 MHz and highest channel: 2480 MHz for Bluetooth BR & EDR

Table 5: RF Channel and Frequency of Bluetooth LE

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

Test frequencies are lowest channel: 2402 MHz, middle channel: 2440 MHz and highest channel: 2480 MHz for Bluetooth LE

3.3 Independent Operation Modes

The basic operation modes are:

- A. On, Bluetooth transmitting mode (BR & EDR mode)
 - 1) Low Channel
 - 2) Middle Channel
 - 3) High Channel
- B. On, Bluetooth transmitting mode (Bluetooth LE mode)
 - 1) Low Channel
 - 2) Middle Channel
 - 3) High Channel
- C. On, Transmitting on Hopping channel
- D. On, Bluetooth with Wi-Fi co-location mode
- E. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to Circuit Diagram for further details.

3.5 Submitted Documents

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

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 and Test Software

Test operation refers to test setup in chapter 5. All tests were performed according to the procedures in ANSI C63.10:2020.

According to clause 3.1, all tests were performed on model *WKXT1AM2511* in this report.

4.3 Special Accessories and Auxiliary Equipment

Table 6: List of Accessories and Auxiliary Equipment

Description	Manufacturer	Model	S/N
Laptop	Lenovo	ThinkPad T14	N/A

4.4 Countermeasures to Achieve EMC 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)

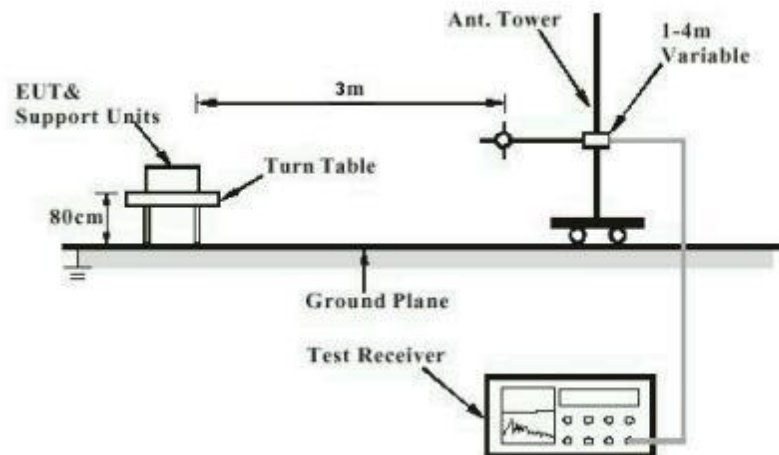


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

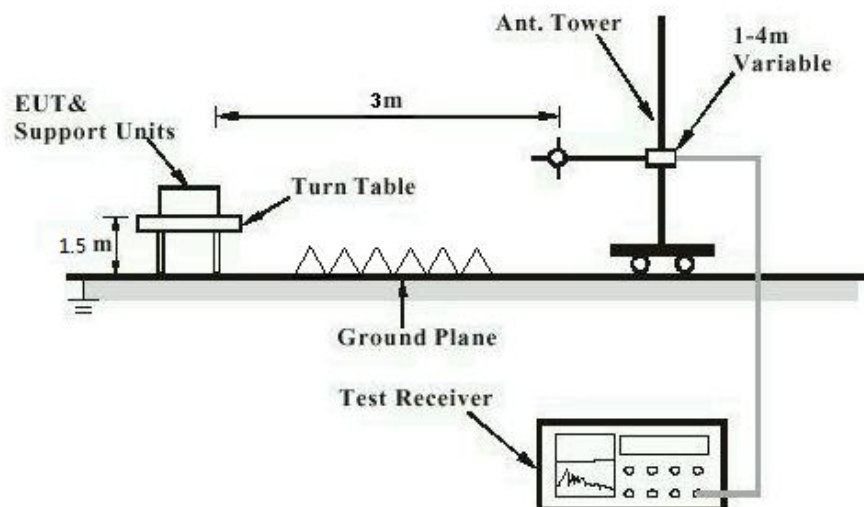
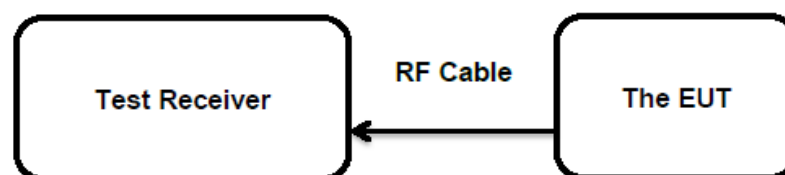


Diagram of Measurement Configuration for Conducted Transmitter Measurement



5 Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT:

Pass

Test Specification

Test standard : FCC Part 15.247(b)(4) and Part 15.203

According to the manufacturer declared, the EUT has PCB Antenna, permanent attachment and no consideration of replacement, refer to section 3.2 for details.

Therefore, the EUT is considered sufficient to comply with the provision.

Refer to EUT Photo for further details.

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5.1.2 Maximum Peak Conducted Output Power

RESULT:

Pass

Test Specification

Test standard	: FCC Part 15.247(b)(1)&(3)
Basic standard	: ANSI C63.10:2020
Limits	: FHSS < 0.125 Watts, DSSS < 1.0 Watts
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2026-06-09 to 2026-06-12
Input voltage	: DC 5V
Operation mode	: A, B
Test channel	: Low / Middle / High
Ambient temperature	: 24.8 °C
Relative humidity	: 55 %
Atmospheric pressure	: 101 kPa

For details refer to following test result.

Table 7: Test Result of Maximum Conducted Output Power, BR & EDR

Test Mode	Test Channel (MHz)	Measured Peak Power		Limit (W)
		(dBm)	(W)	
GFSK (BR)	2402.0	8.16	0.0065	< 0.125
	2441.0	7.10	0.0051	
	2480.0	7.60	0.0058	
8DPSK (EDR)	2402.0	10.56	0.0114	
	2441.0	9.65	0.0092	
	2480.0	10.05	0.0101	
Maximum Measured Value		10.56	0.0114	

Table 8: Test Result of Maximum Conducted Output Power, Bluetooth LE

Test Mode	Data Rate	Test Channel (MHz)	Measured Peak Power		Limit (W)
			(dBm)	(W)	
Bluetooth LE	1 Mbps	2402	7.23	0.0053	< 1.0
		2440	6.28	0.0042	
		2480	6.49	0.0045	
	2 Mbps	2404	7.05	0.0051	
		2440	6.19	0.0042	
		2478	6.47	0.0044	
Max. Measured Value			7.23	0.0053	

Note:

- 1) The cable loss is taken into account in results.
- 2) Antenna gain(G): -0.93dBi for Bluetooth

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5.1.3 Conducted Power Spectral Density

RESULT:

Pass

Test Specification

Test standard	: FCC Part 15.247(e)
Basic standard	: ANSI C63.10:2020
Limits	: < 8 dBm / 3kHz
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2026-06-09 to 2026-06-12
Input voltage	: DC 5V
Operation mode	: B
Test channel	: Low / Middle / High
Ambient temperature	: 24.8 °C
Relative humidity	: 55 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to Appendix B.

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5.1.4 6dB Bandwidth

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

Test standard	: FCC Part 15.247(a)(2)
Basic standard	: ANSI C63.10:2020
Limits	: > 500 kHz
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2026-06-09 to 2026-06-12
Input voltage	: DC 5V
Operation mode	: B
Test channel	: Low / Middle / High
Ambient temperature	: 24.8 °C
Relative humidity	: 55 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to Appendix B.

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Test Report No.:

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5.1.5 99% Bandwidth

RESULT:

Pass

Test Specification

Test standard	: FCC Part 15.247(a)
Basic standard	: ANSI C63.10:2020
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2026-06-09 to 2026-06-12
Input voltage	: DC 5V
Operation mode	: A, B
Test channel	: Low / Middle / High
Ambient temperature	: 24.8 °C
Relative humidity	: 55 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to Appendix A, B.

Prüfbericht - Nr.: CN26XDE1 001
Test Report No.:

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5.1.6 20dB Bandwidth

RESULT:

Pass

Test Specification

Test standard	: FCC Part 15.247(a)(1)
Basic standard	: ANSI C63.10:2020
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2026-06-09 to 2026-06-12
Input voltage	: DC 5V
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: 24.8 °C
Relative humidity	: 55 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to Appendix A.

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Test Report No.:Seite 20 von 25
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5.1.7 Carrier Frequency Separation

RESULT:

Pass

Test Specification

Test standard	: FCC Part 15.247(a)(1)
Basic standard	: ANSI C63.10:2020
Limits	: $\geq 25\text{kHz}$ or 2/3 of 20dB bandwidth, whichever is greater
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2026-06-09 to 2026-06-12
Input voltage	: DC 5V
Operation mode	: C
Ambient temperature	: 24.8 °C
Relative humidity	: 55 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to Appendix A.

Prüfbericht - Nr.: CN26XDE1 001
Test Report No.:

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5.1.8 Number of Hopping Frequency

RESULT:

Pass

Test Specification

Test standard	: FCC part 15.247(a)(1)(iii)
Basic standard	: ANSI C63.10:2020
Limits	: ≥ 15 non-overlapping channels
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2026-06-09 to 2026-06-12
Input voltage	: DC 5V
Operation mode	: C
Ambient temperature	: 24.8 °C
Relative humidity	: 55 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to Appendix A.

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Test Report No.:

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5.1.9 Time of Occupancy

RESULT:

Pass

Test Specification

Test standard	: FCC part 15.247(a)(1)(iii)
Basic standard	: ANSI C63.10:2020
Limits	: < 0.4s
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2026-06-09 to 2026-06-12
Input voltage	: DC 5V
Operation mode	: C
Ambient temperature	: 24.8 °C
Relative humidity	: 55 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to Appendix A.

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5.1.10 Conducted Spurious Emissions Measured in 100 kHz Bandwidth

RESULT:

Pass

Test Specification

Test standard	: FCC Part 15.247(d)
Basic standard	: ANSI C63.10:2020
Limits	: 20dB (below that in the 100kHz bandwidth within the band that contains the highest level of the desired power); In addition, radiated emissions which fall in the restricted bands, must also comply with the radiated emission limits specified in 15.209(a)
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2026-06-09 to 2026-06-12
Input voltage	: DC 5V
Operation mode	: A, B, C
Test channel	: Low / Middle / High
Ambient temperature	: 24.8 °C
Relative humidity	: 55 %
Atmospheric pressure	: 101 kPa

Test results of 100kHz Bandwidth of Frequency Band Edge by Conducted method refer to test plots, and compliance is achieved as well.

For the measurement records, refer to Appendix A, B.

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Test Report No.:Seite 24 von 25
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5.1.11 Radiated Spurious Emission

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

Test standard	: FCC Part 15.247(d) & FCC Part 15.205
Basic standard	: ANSI C63.10:2020
Limits	: Refer to 15.209(a) of FCC part 15.247(d)
Kind of test site	: 3m Semi-anechoic Chamber

Test Setup

Date of testing	: 2026-06-05 to 2026-06-08
Input voltage	: DC 5V
Operation mode	: A, B, D
Test channel	: Low / Middle / High
Ambient temperature	: Refer to test result
Relative humidity	: Refer to test result
Atmospheric pressure	: 101 kPa

Remark:

Testing was carried out within frequency range 9kHz to the tenth harmonics. Only the worst case spurious emissions configuration of each mode were reported.

For the measurement records, refer to Appendix A, B.

6 Photographs of the Test Set-Up

For photographs of the test set-up, refer to the appendix C.

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Appendix A: Test Results of Bluetooth BR & EDR

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Appendix A.1: Test Results of 20dB Bandwidth

Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.807	2401.592	2402.399	---	PASS
		2441	0.810	2440.589	2441.399	---	PASS
		2480	0.807	2479.589	2480.396	---	PASS
3DH5	Ant1	2402	1.305	2401.340	2402.645	---	PASS
		2441	1.311	2440.337	2441.648	---	PASS
		2480	1.299	2479.343	2480.642	---	PASS

Test Graphs





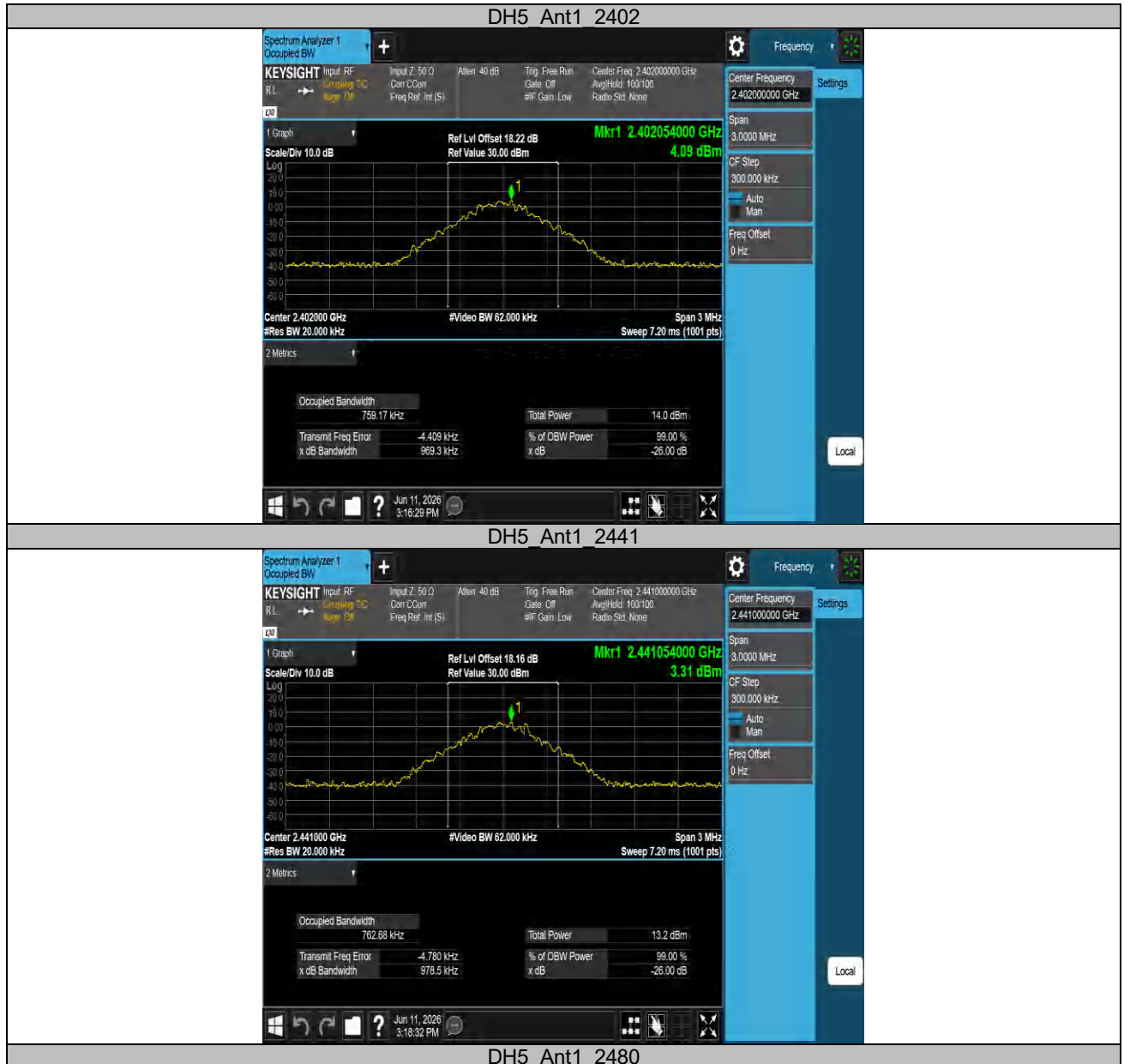


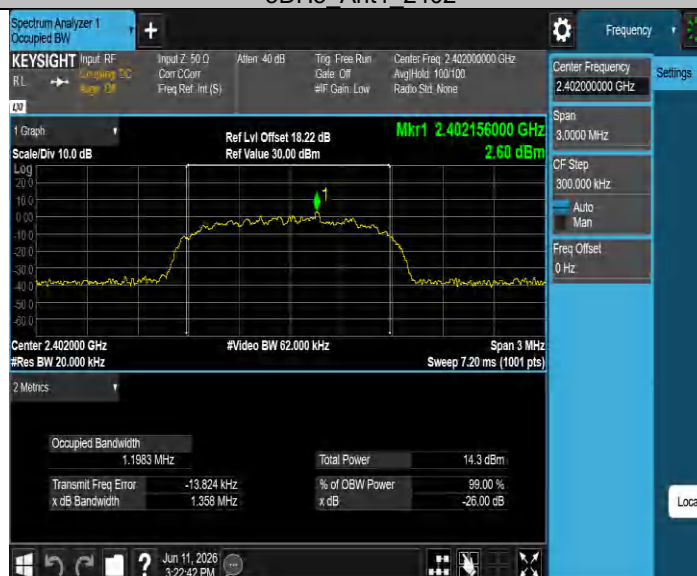
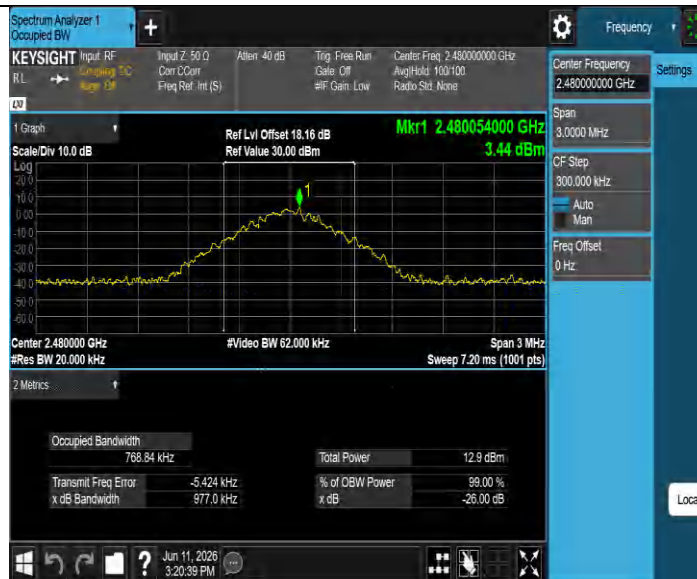
Appendix A.2: Test Results of 99% Bandwidth

Test Result

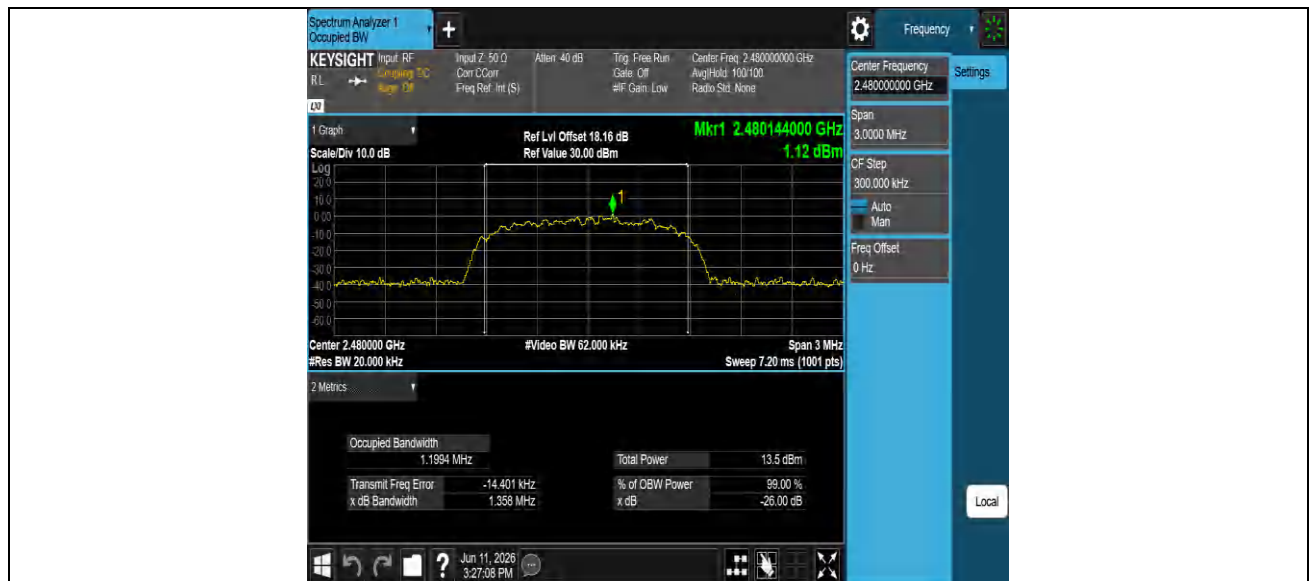
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.75917	2401.6160	2402.3752	---	PASS
		2441	0.76268	2440.6139	2441.3766	---	PASS
		2480	0.76884	2479.6102	2480.3790	---	PASS
3DH5	Ant1	2402	1.1983	2401.3870	2402.5853	---	PASS
		2441	1.1894	2440.3957	2441.5851	---	PASS
		2480	1.1994	2479.3859	2480.5853	---	PASS

Test Graphs





3DH5_Ant1_2480



Appendix A.3: Test Results of Carrier Frequency Separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.96	≥ 0.810	PASS
3DH5	Ant1	Hop	1.06	≥ 0.874	PASS

Test Graphs

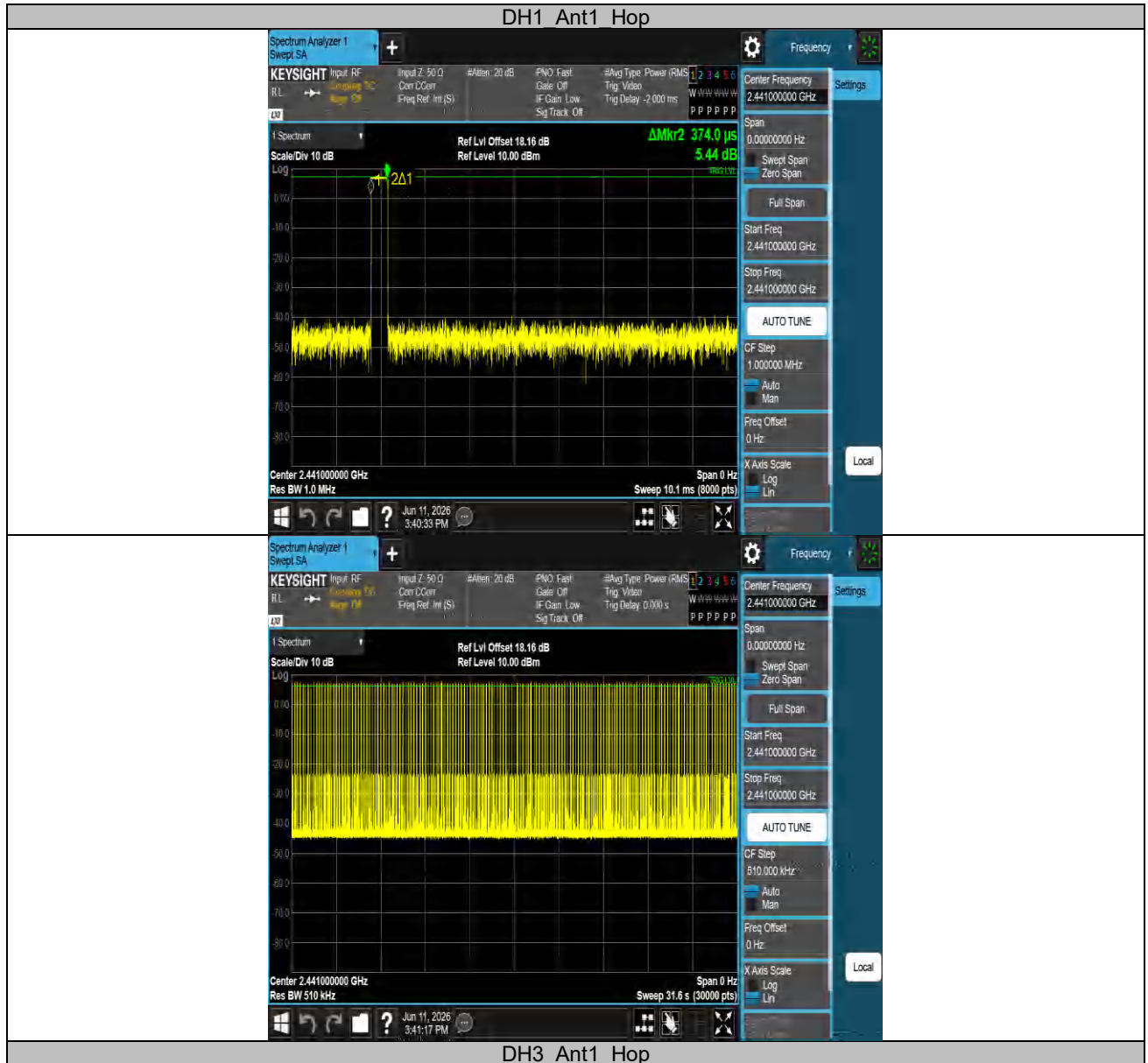


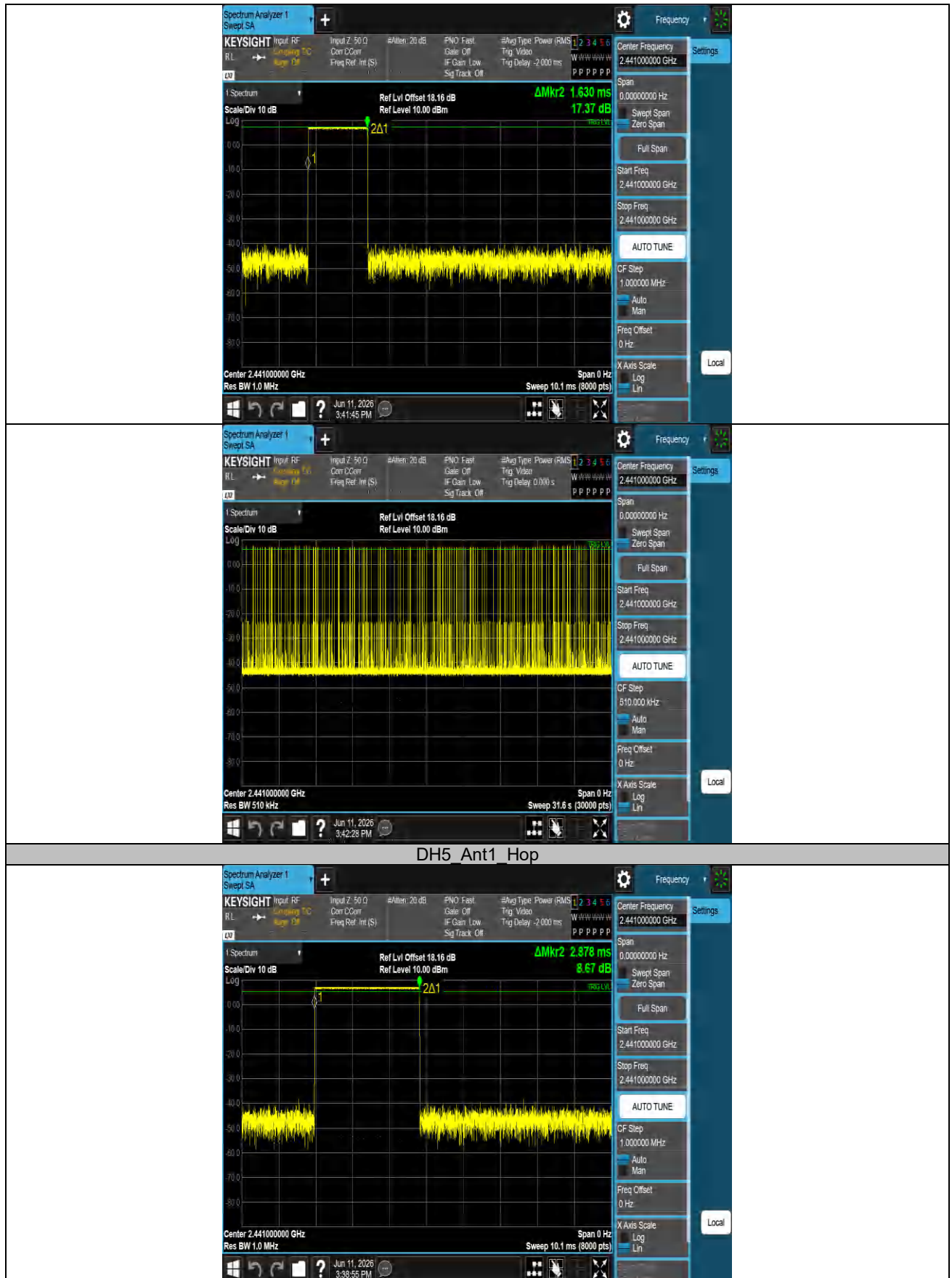
Appendix A.4: Test Results of Time of Occupancy

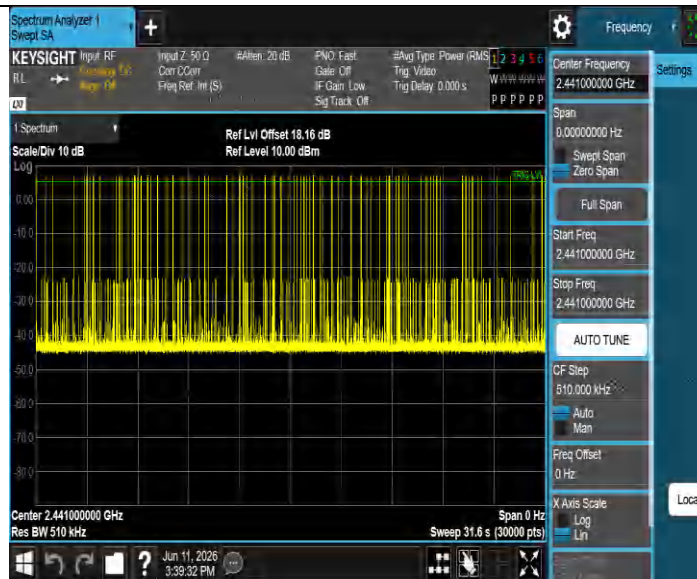
Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.374	309	0.116	≤0.4	PASS
DH3	Ant1	Hop	1.630	153	0.249	≤0.4	PASS
DH5	Ant1	Hop	2.878	101	0.291	≤0.4	PASS
3DH1	Ant1	Hop	0.381	307	0.117	≤0.4	PASS
3DH3	Ant1	Hop	1.633	156	0.255	≤0.4	PASS
3DH5	Ant1	Hop	2.884	94	0.271	≤0.4	PASS

Test Graphs



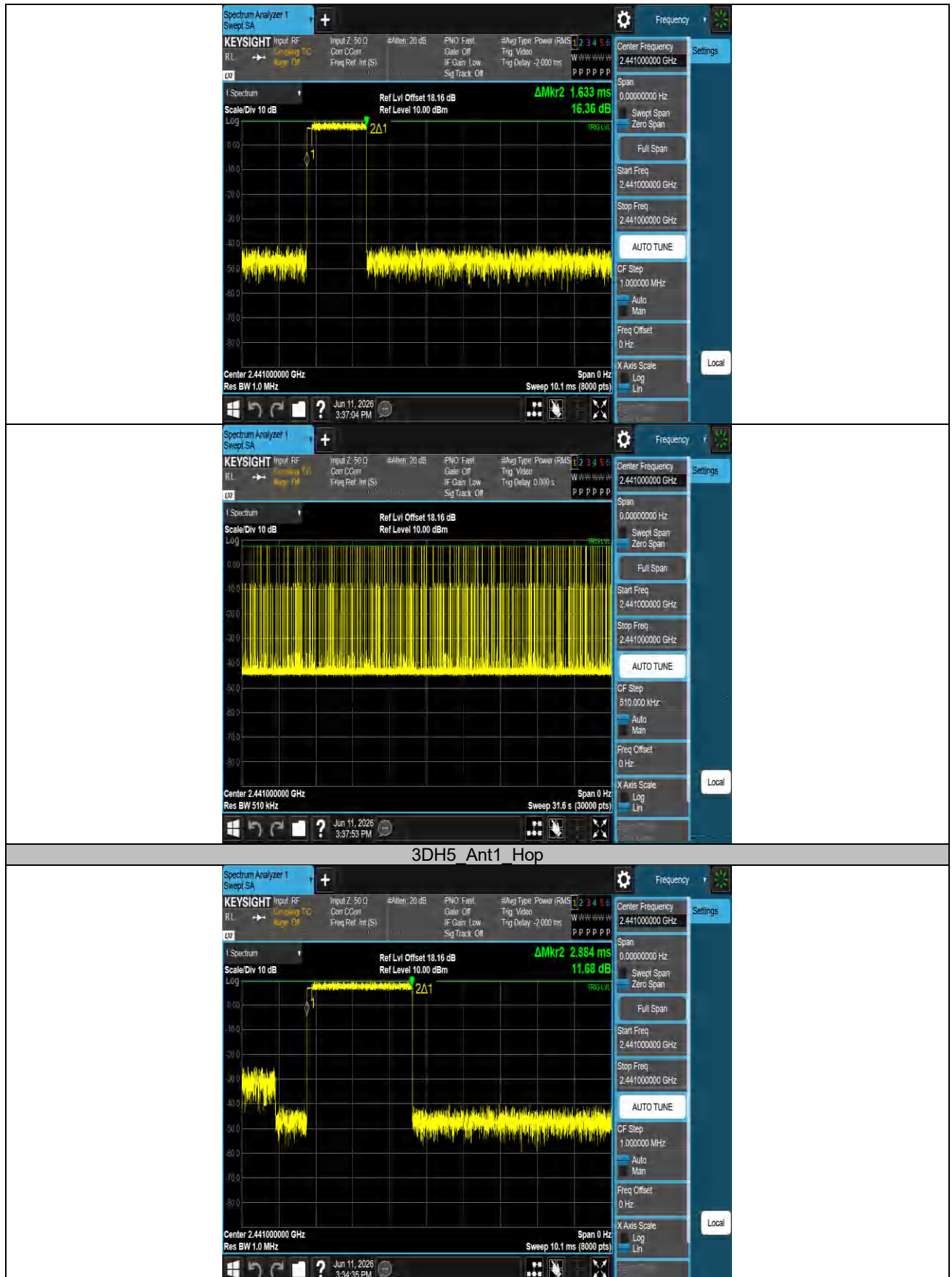


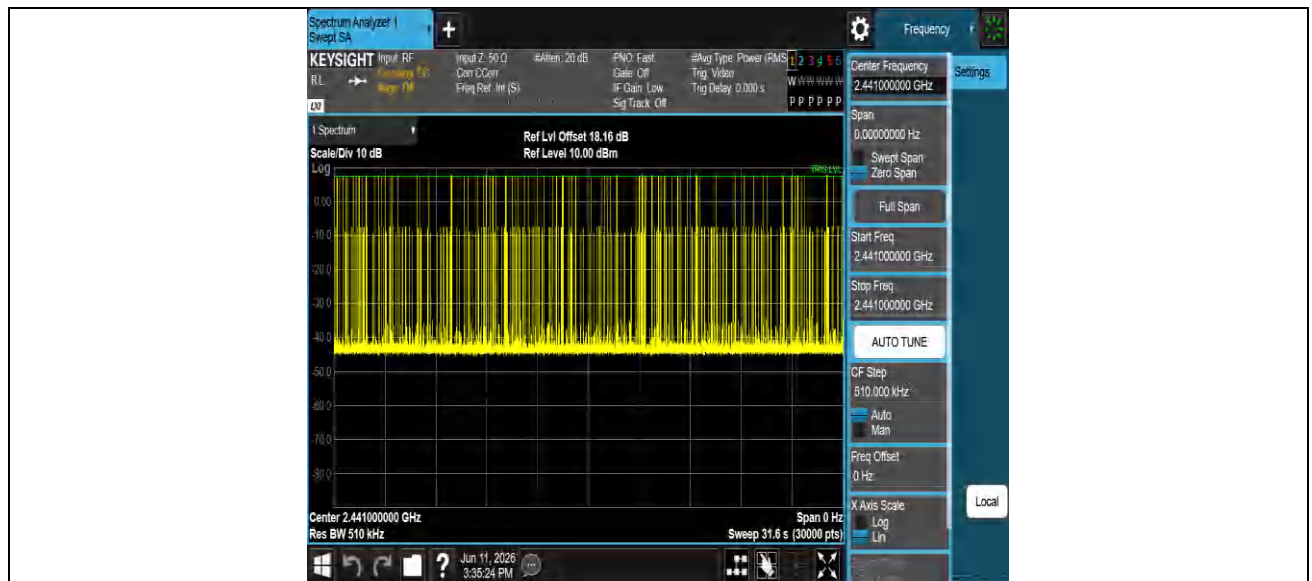


3DH1 Ant1 Hop



3DH3 Ant1 Hop





Appendix A.5: Test Results of Number of Hopping Frequency

Test Result

TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Test Graphs



Appendix A.6: Test Results of Band Edge Measurements

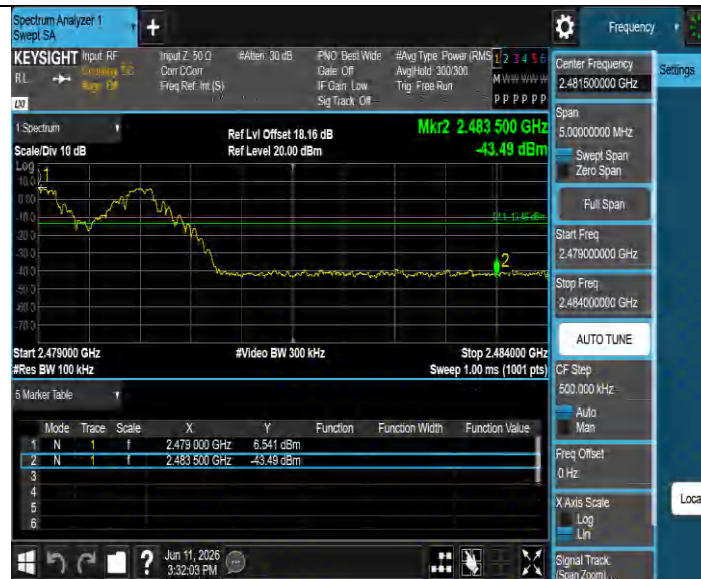
Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	7.29	-41.75	≤-12.71	PASS
		High	2480	6.70	-40.56	≤-13.30	PASS
3DH5	Ant1	Low	2402	7.31	-41.83	≤-12.69	PASS
		High	2480	5.90	-40.55	≤-14.10	PASS
DH5	Ant1	Hopping	2402	6.76	-41.55	≤-13.24	PASS
		Hopping	2480	6.54	-43.49	≤-13.46	PASS
3DH5	Ant1	Hopping	2402	7.20	-43.17	≤-12.80	PASS
		Hopping	2480	6.59	-41.53	≤-13.41	PASS

Test Graphs







3DH5_Ant1_Hopping_2402



3DH5_Ant1_Hopping_2480

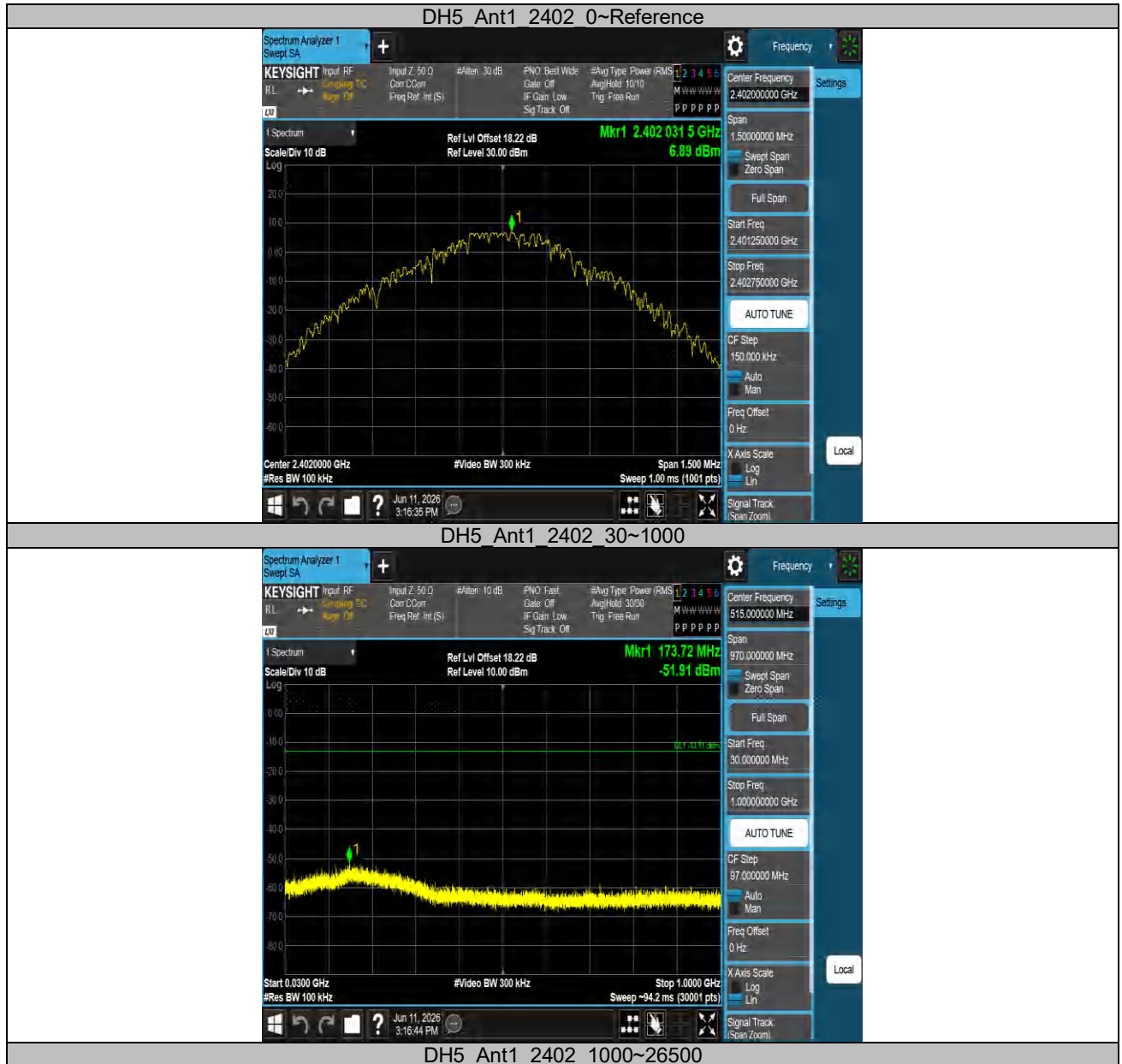


Appendix A.7: Test Results of Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	6.89	6.89	---	PASS
			30~1000	6.89	-51.91	≤-13.11	PASS
			1000~26500	6.89	-54.29	≤-13.11	PASS
		2441	Reference	6.15	6.15	---	PASS
			30~1000	6.15	-51.62	≤-13.85	PASS
			1000~26500	6.15	-53.41	≤-13.85	PASS
		2480	Reference	5.97	5.97	---	PASS
			30~1000	5.97	-51.9	≤-14.03	PASS
			1000~26500	5.97	-54.33	≤-14.03	PASS
3DH5	Ant1	2402	Reference	5.35	5.35	---	PASS
			30~1000	5.35	-51.45	≤-14.65	PASS
			1000~26500	5.35	-53.91	≤-14.65	PASS
		2441	Reference	4.61	4.61	---	PASS
			30~1000	4.61	-50.87	≤-15.39	PASS
			1000~26500	4.61	-53.98	≤-15.39	PASS
		2480	Reference	5.73	5.73	---	PASS
			30~1000	5.73	-51.79	≤-14.27	PASS
			1000~26500	5.73	-53.56	≤-14.27	PASS

Test Graphs





DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



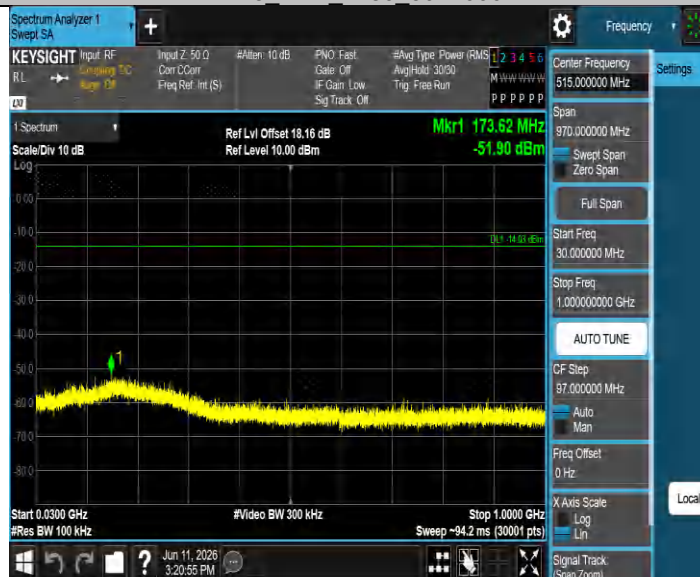
DH5_Ant1_2441_1000~26500



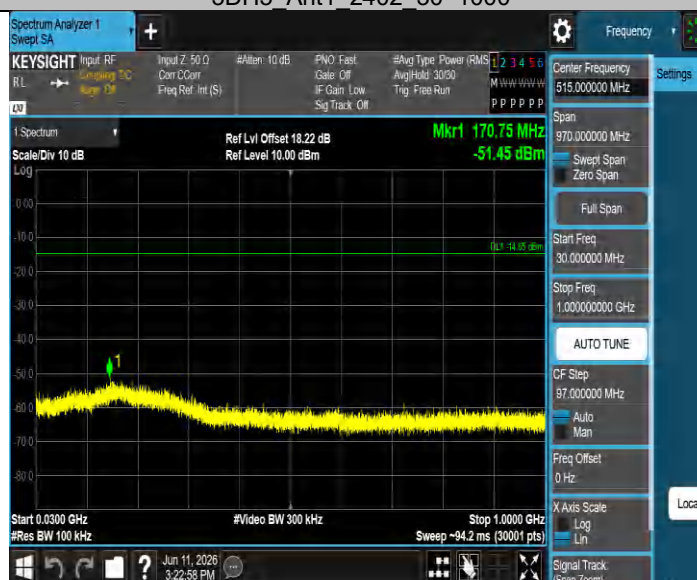
DH5_Ant1_2480_0~Reference

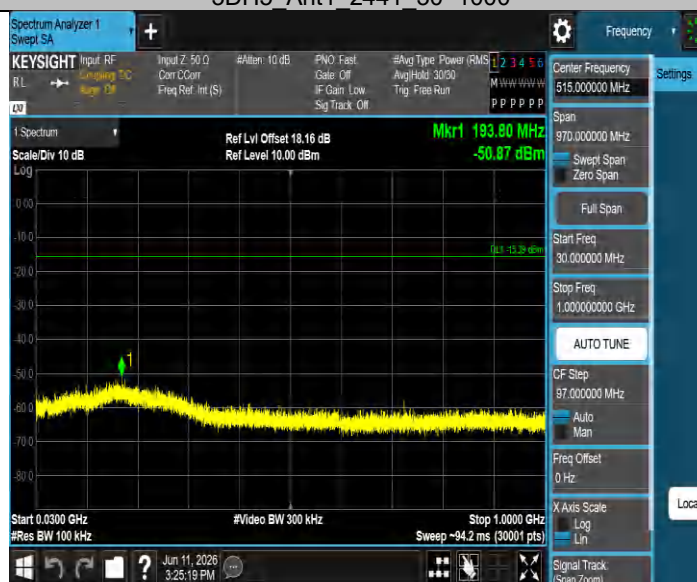


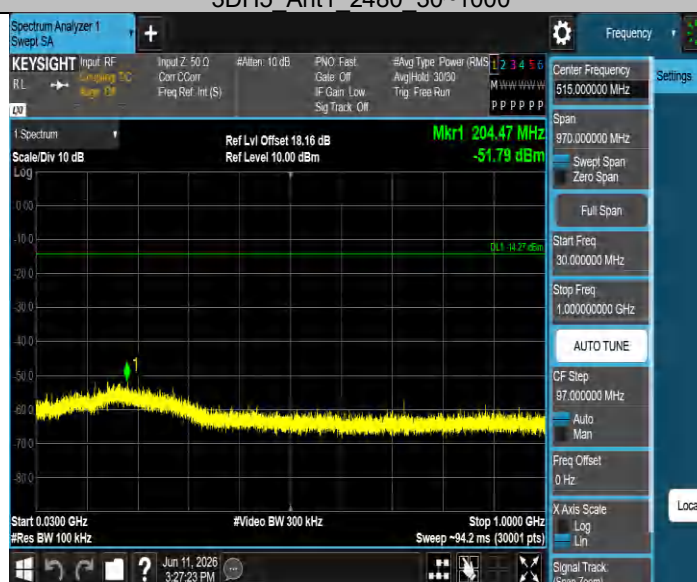
DH5_Ant1_2480_30~1000



DH5_Ant1_2480_1000~26500









Appendix A.8: Test Results of Radiated Spurious Emissions

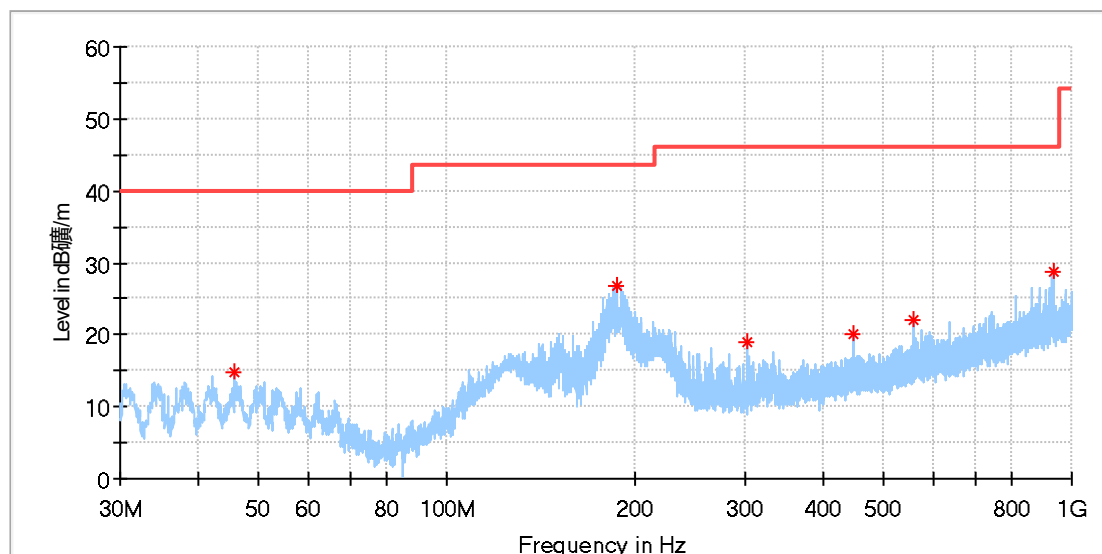
Note:

- 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 - 26.5GHz 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:	WIFI+BT Module
Model:	WKXT1AM2511
Test Mode:	BR DH5_Mid channel
Order No/Sample No:	27233930/A004270738-001
Test Voltage:	DC 3.3V
Remark:	Temp.: 23.2°C Humi.:51%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

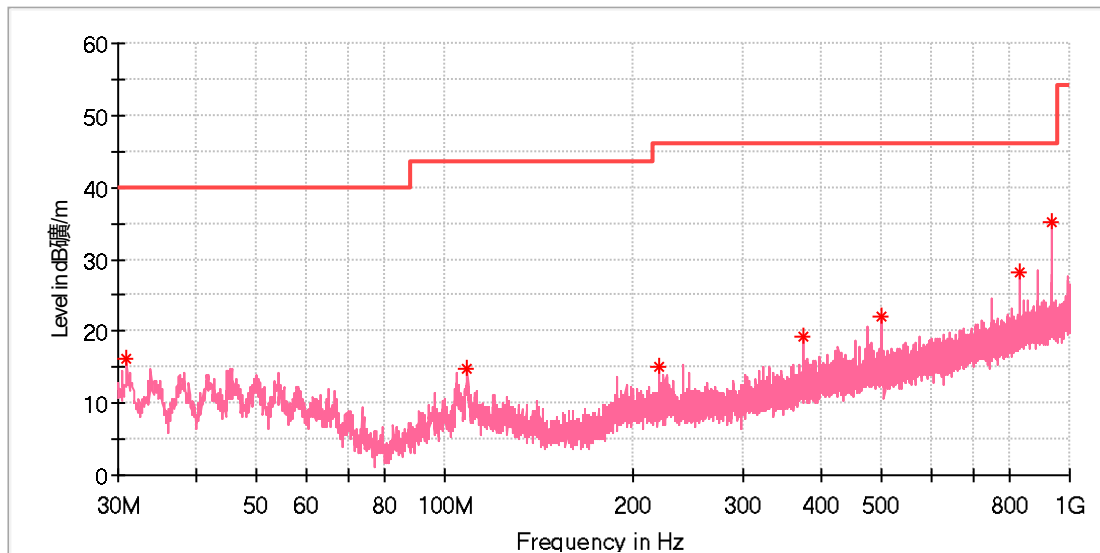


Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
45.627778	14.65	40.00	25.35	100.0	H	107.0	-18.8
186.816667	26.83	43.50	16.67	100.0	H	167.0	-19.9
302.138889	19.08	46.00	26.92	100.0	H	107.0	-16.2
447.908333	19.99	46.00	26.01	100.0	H	78.0	-12.8
557.787778	22.10	46.00	23.90	100.0	H	301.0	-10.6
938.405000	28.81	46.00	17.19	100.0	H	264.0	-4.4

EUT Information

EUT Name: WIFI+BT Module
Model: WKXT1AM2511
Test Mode: BR DH5_Mid channel
Order No/Sample No: 27233930/A004270738-001
Test Voltage: DC 3.3V
Remark: Temp.: 23.2°C Humi.:51%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

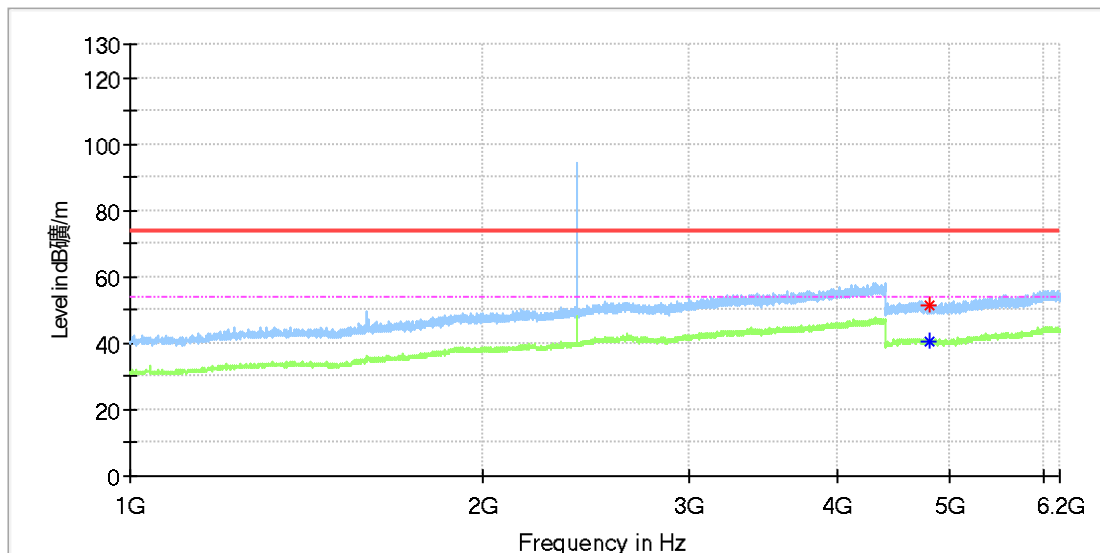
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
30.916111	16.11	40.00	23.89	100.0	V	271.0	-22.9
108.785556	14.66	43.50	28.84	100.0	V	122.0	-19.1
219.904444	15.09	46.00	30.91	100.0	V	263.0	-18.6
374.996667	19.28	46.00	26.72	100.0	V	167.0	-14.3
498.132778	21.99	46.00	24.01	100.0	V	352.0	-11.9
831.112222	28.27	46.00	17.73	100.0	V	105.0	-5.6
937.542778	35.05	46.00	10.95	100.0	V	185.0	-4.4

1GHz - 18GHz

Note: The highest waveform in the figure is Bluetooth Fundamental.

EUT Information

EUT Name:	WIFI+BT Module
Model:	WKXT1AM2511
Test Mode:	BR DH5_Low channel
Order No/Sample No:	27233930/A004270738-001
Test Voltage:	DC 3.3V
Remark:	Temp.: 23.2°C Humi.:51%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

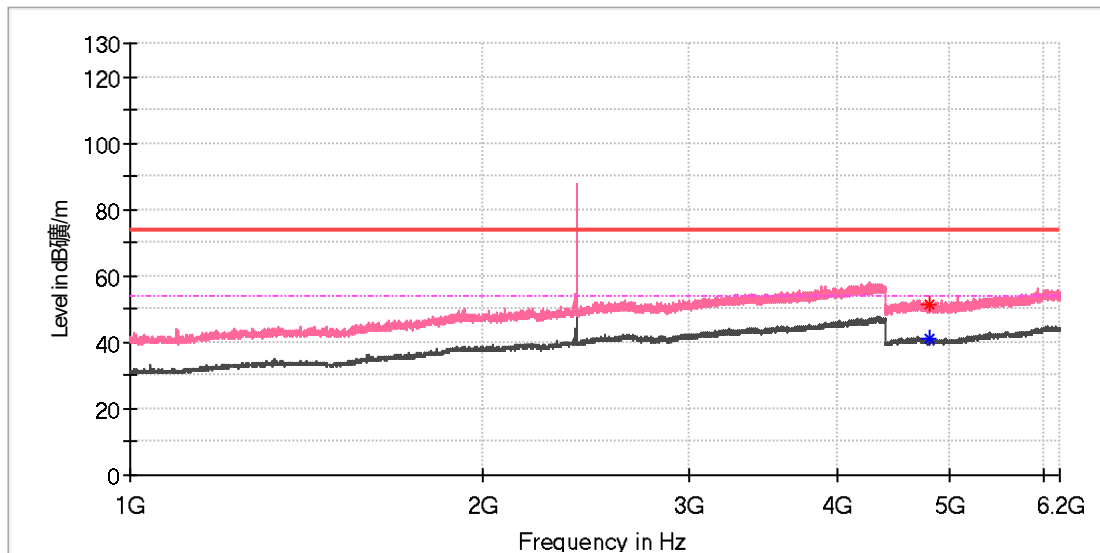


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4805.500000	51.38	---	74.00	22.62	150.0	H	215.0	13.3
4811.000000	---	40.78	54.00	13.22	150.0	H	356.0	13.3

EUT Information

EUT Name: WIFI+BT Module
Model: WKXT1AM2511
Test Mode: BR DH5_Low channel
Order No/Sample No: 27233930/A004270738-001
Test Voltage: DC 3.3V
Remark: Temp.: 23.2°C Humi.:51%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin

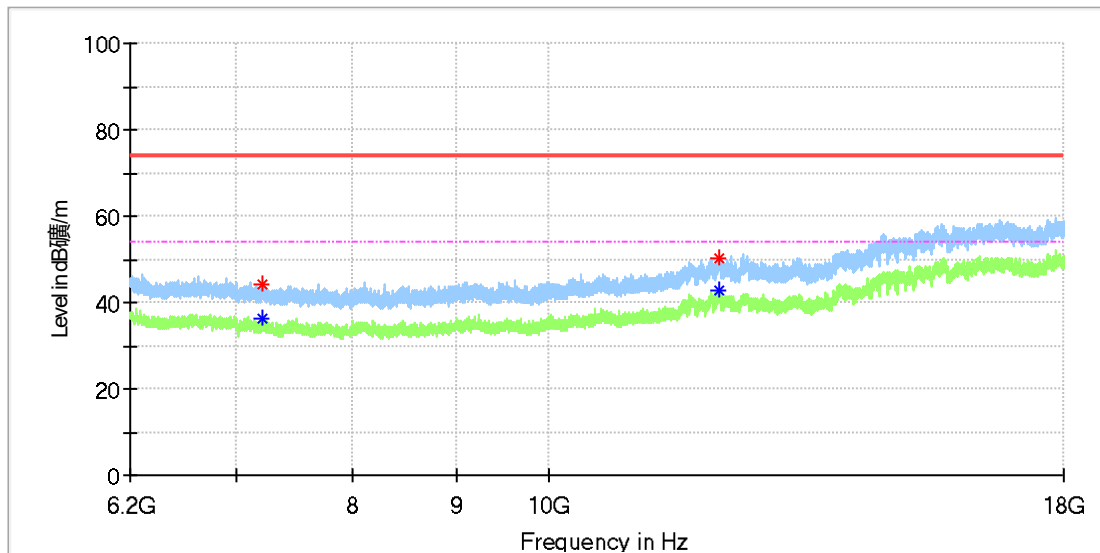


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4806.500000	51.69	---	74.00	22.31	150.0	V	351.0	13.3
4811.000000	---	41.20	54.00	12.80	150.0	V	97.0	13.3

EUT Information

EUT Name: WIFI+BT Module
Model: WKXT1AM2511
Test Mode: BR DH5_Low channel
Order No/Sample No: 27233930/A004270738-001
Test Voltage: DC 3.3V
Remark: Temp.: 23.2°C Humi.:51%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin

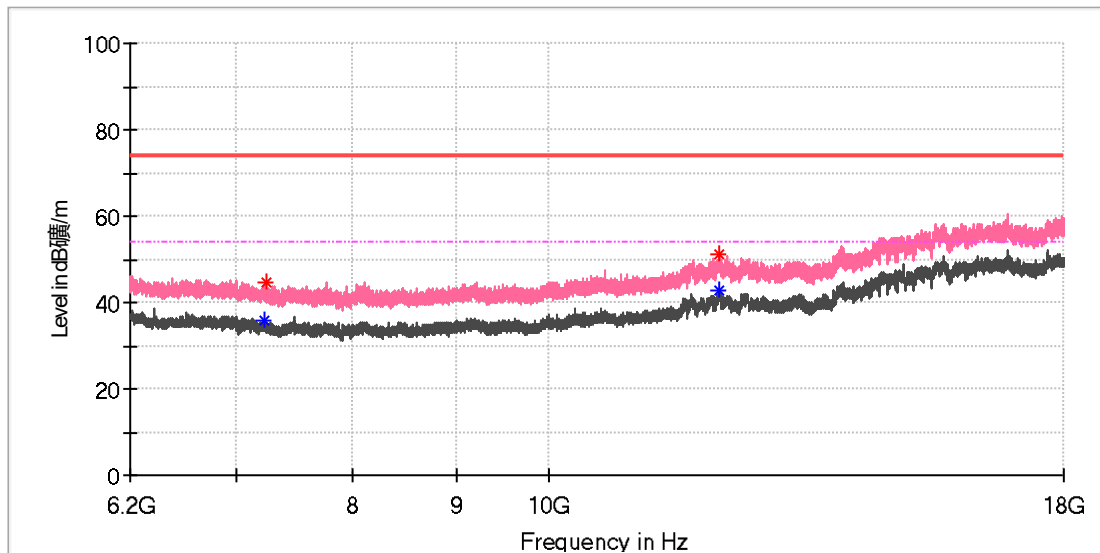


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7209.391667	---	36.35	54.00	17.65	150.0	H	229.0	8.8
7210.375000	44.39	---	74.00	29.61	150.0	H	174.0	8.7
12142.283333	50.29	---	74.00	23.71	150.0	H	96.0	16.5
12152.116667	---	42.94	54.00	11.06	150.0	H	272.0	16.6

EUT Information

EUT Name: WIFI+BT Module
Model: WKXT1AM2511
Test Mode: BR DH5_Low channel
Order No/Sample No: 27233930/A004270738-001
Test Voltage: DC 3.3V
Remark: Temp.: 23.2°C Humi.:51%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin

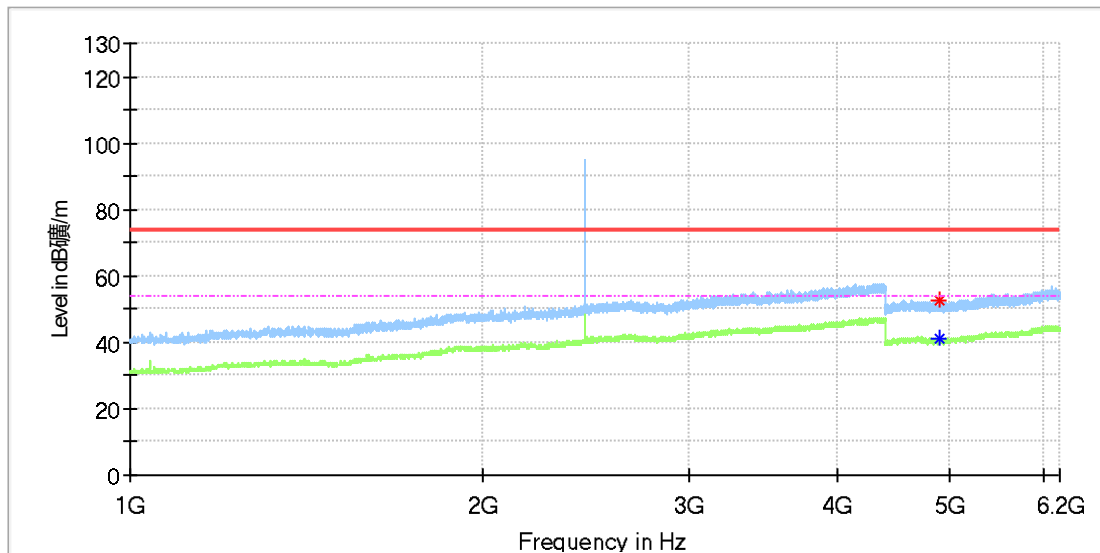


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7227.091667	---	35.94	54.00	18.06	150.0	V	77.0	8.7
7235.450000	44.58	---	74.00	29.42	150.0	V	354.0	8.6
12152.116667	---	43.00	54.00	11.00	150.0	V	290.0	16.6
12154.575000	51.31	---	74.00	22.69	150.0	V	322.0	16.5

EUT Information

EUT Name: WIFI+BT Module
Model: WKXT1AM2511
Test Mode: BR DH5_Mid channel
Order No/Sample No: 27233930/A004270738-001
Test Voltage: DC 3.3V
Remark: Temp.: 23.2°C Humi.:51%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin

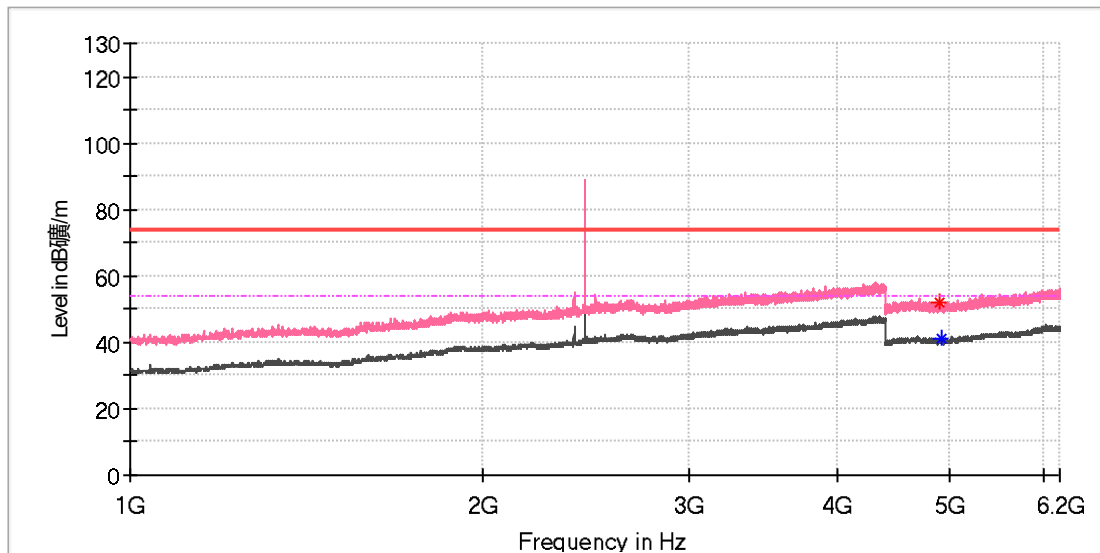


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4901.500000	---	41.12	54.00	12.88	150.0	H	154.0	13.3
4902.500000	52.66	---	74.00	21.34	150.0	H	127.0	13.3

EUT Information

EUT Name: WIFI+BT Module
Model: WKXT1AM2511
Test Mode: BR DH5_Mid channel
Order No/Sample No: 27233930/A004270738-001
Test Voltage: DC 3.3V
Remark: Temp.: 23.2°C Humi.:51%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin

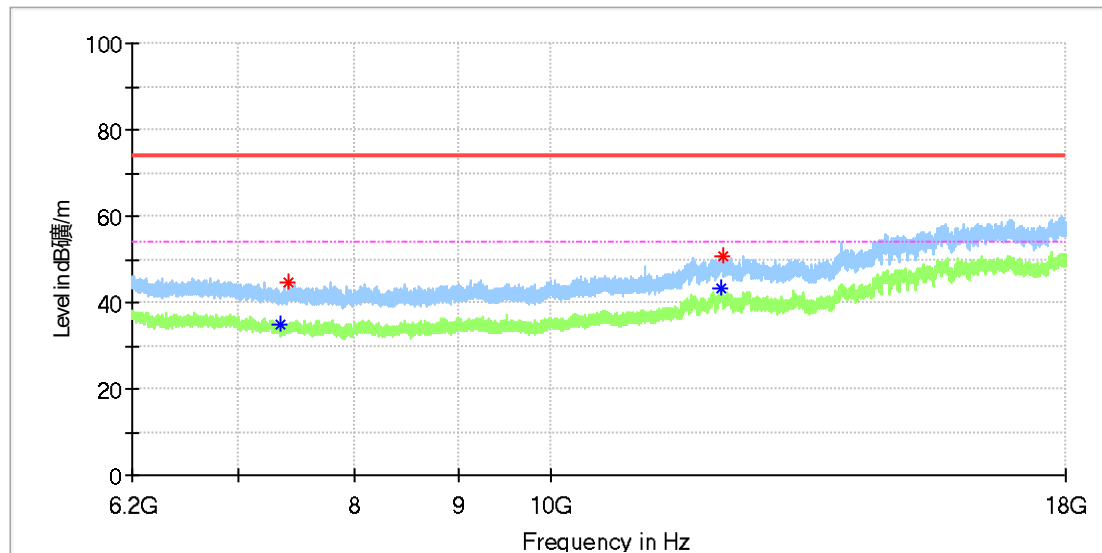


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4903.000000	52.09	---	74.00	21.91	150.0	V	224.0	13.3
4908.500000	---	40.94	54.00	13.06	150.0	V	12.0	13.3

EUT Information

EUT Name: WIFI+BT Module
Model: WKXT1AM2511
Test Mode: BR DH5_Mid channel
Order No/Sample No: 27233930/A004270738-001
Test Voltage: DC 3.3V
Remark: Temp.: 23.2°C Humi.:51%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin

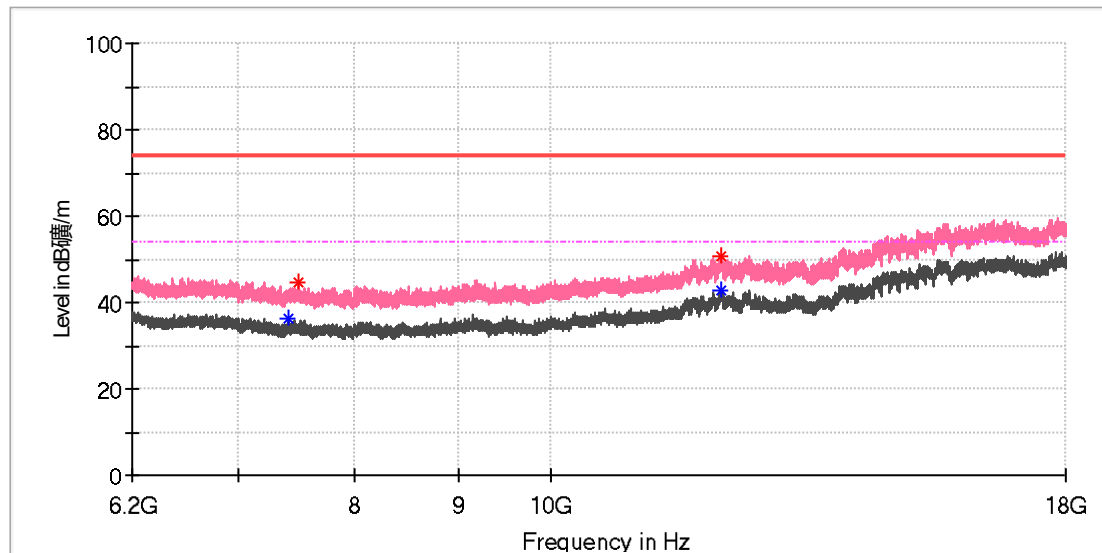


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7345.091667	---	34.95	54.00	19.05	150.0	H	18.0	8.1
7407.533333	44.76	---	74.00	29.24	150.0	H	116.0	8.3
12148.675000	---	43.32	54.00	10.68	150.0	H	140.0	16.7
12160.475000	50.66	---	74.00	23.34	150.0	H	359.0	16.2

EUT Information

EUT Name: WIFI+BT Module
Model: WKXT1AM2511
Test Mode: BR DH5_Mid channel
Order No/Sample No: 27233930/A004270738-001
Test Voltage: DC 3.3V
Remark: Temp.: 23.2°C Humi.:51%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin

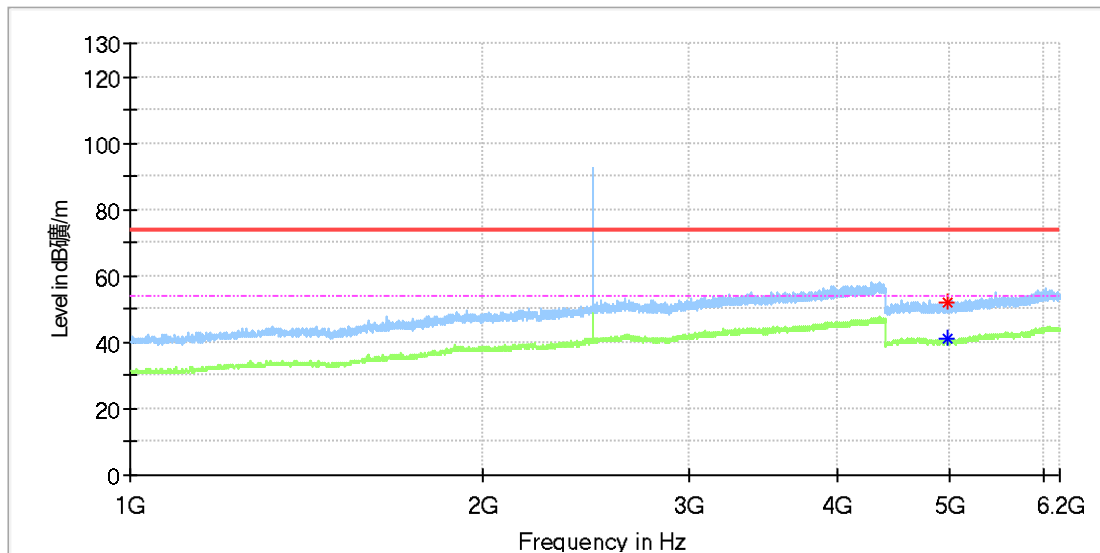


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7416.875000	---	36.07	54.00	17.93	150.0	V	344.0	8.3
7498.983333	44.47	---	74.00	29.53	150.0	V	72.0	8.7
12150.150000	---	42.74	54.00	11.26	150.0	V	169.0	16.7
12152.608333	50.83	---	74.00	23.17	150.0	V	136.0	16.6

EUT Information

EUT Name: WIFI+BT Module
Model: WKXT1AM2511
Test Mode: BR DH5_High channel
Order No/Sample No: 27233930/A004270738-001
Test Voltage: DC 3.3V
Remark: Temp.: 23.2°C Humi.:51%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin

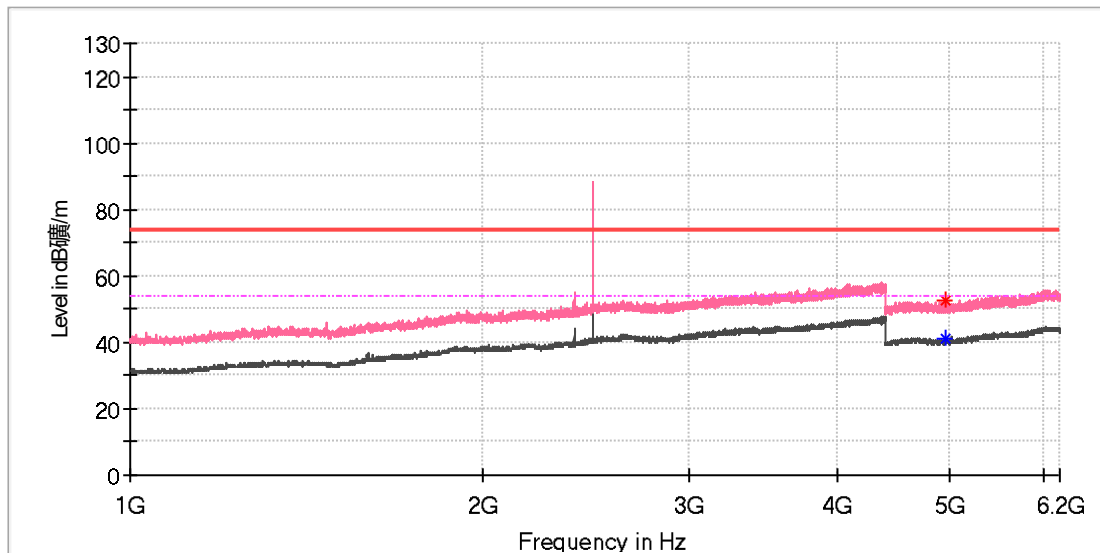


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4969.500000	---	40.83	54.00	13.17	150.0	H	244.0	13.3
4972.000000	52.05	---	74.00	21.95	150.0	H	148.0	13.3

EUT Information

EUT Name: WIFI+BT Module
Model: WKXT1AM2511
Test Mode: BR DH5_High channel
Order No/Sample No: 27233930/A004270738-001
Test Voltage: DC 3.3V
Remark: Temp.: 23.2°C Humi.:51%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin

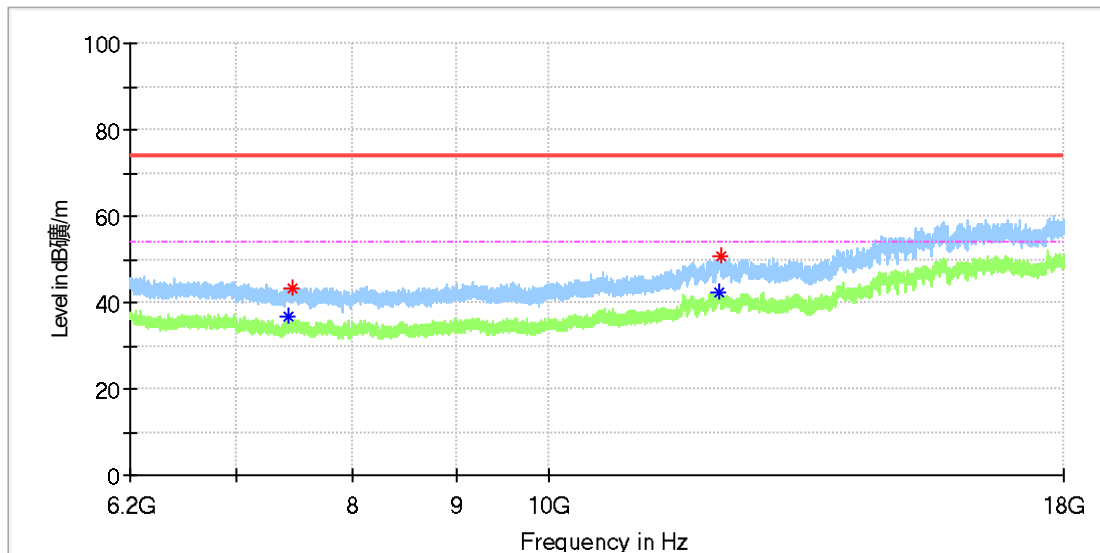


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4954.000000	52.40	---	74.00	21.60	150.0	V	315.0	13.3
4962.000000	---	41.06	54.00	12.94	150.0	V	214.0	13.3

EUT Information

EUT Name: WIFI+BT Module
Model: WKXT1AM2511
Test Mode: BR DH5_High channel
Order No/Sample No: 27233930/A004270738-001
Test Voltage: DC 3.3V
Remark: Temp.: 23.2°C Humi.:51%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin

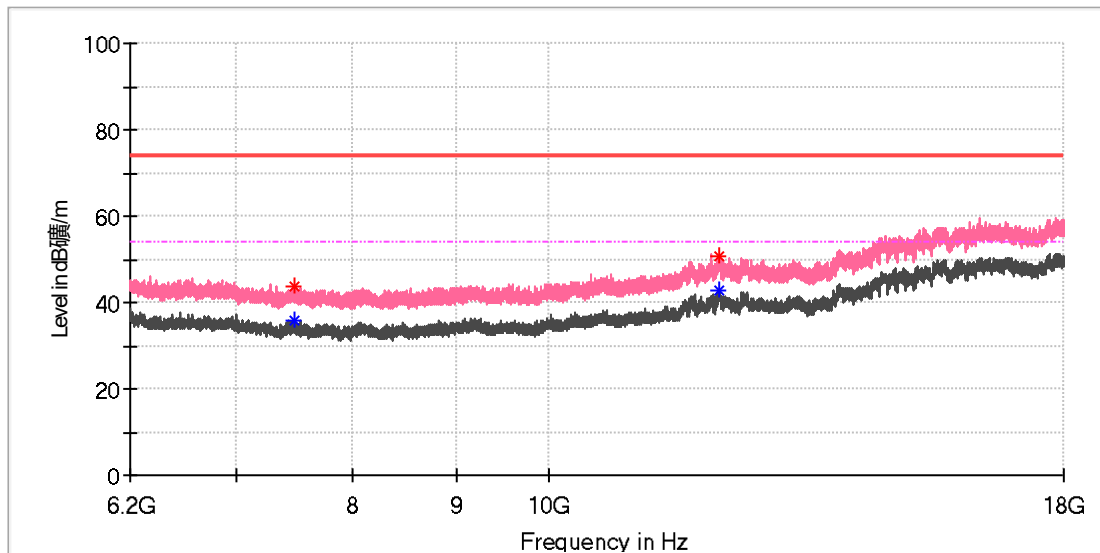


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7427.200000	---	36.76	54.00	17.24	150.0	H	0.0	8.4
7465.058333	43.38	---	74.00	30.62	150.0	H	271.0	8.6
12148.183333	---	42.49	54.00	11.51	150.0	H	320.0	16.7
12170.308333	50.90	---	74.00	23.10	150.0	H	294.0	15.7

EUT Information

EUT Name: WIFI+BT Module
Model: WKXT1AM2511
Test Mode: BR DH5_High channel
Order No/Sample No: 27233930/A004270738-001
Test Voltage: DC 3.3V
Remark: Temp.: 23.2°C Humi.:51%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



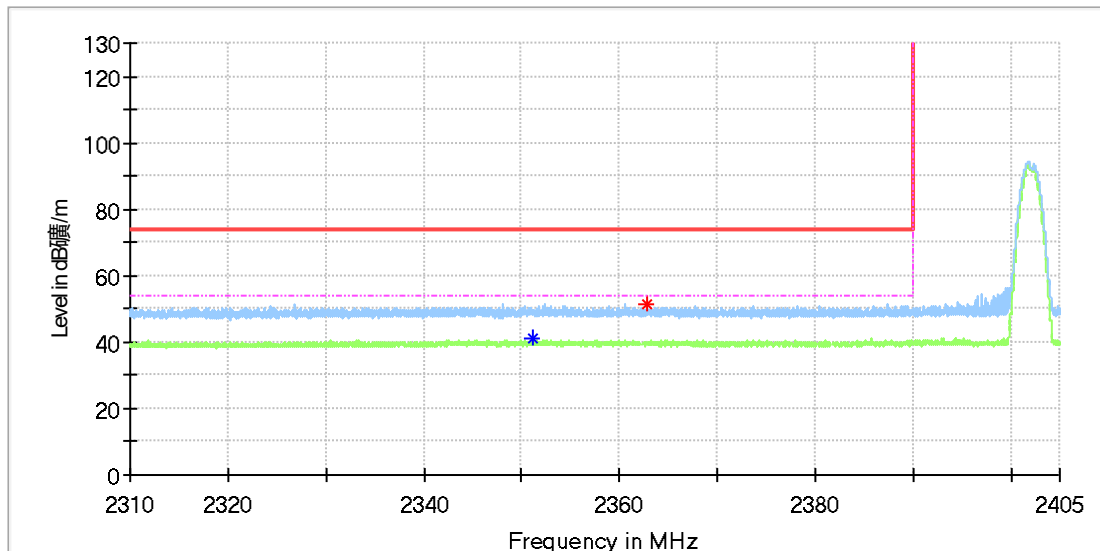
Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7476.366667	43.52	---	74.00	30.48	150.0	V	211.0	8.6
7481.775000	---	35.72	54.00	18.28	150.0	V	178.0	8.7
12143.758333	50.65	---	74.00	23.35	150.0	V	67.0	16.6
12149.166667	---	42.81	54.00	11.19	150.0	V	343.0	16.7

Appendix A.9: Test Results of Radiated Emissions in Restricted Bands

EUT Information

EUT Name:	WIFI+BT Module
Model:	WKXT1AM2511
Test Mode:	BR DH5_Low channel
Order No/Sample No:	27233930/A004270738-001
Test Voltage:	DC 3.3V
Remark:	Temp.: 23.2°C Humi.:51%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

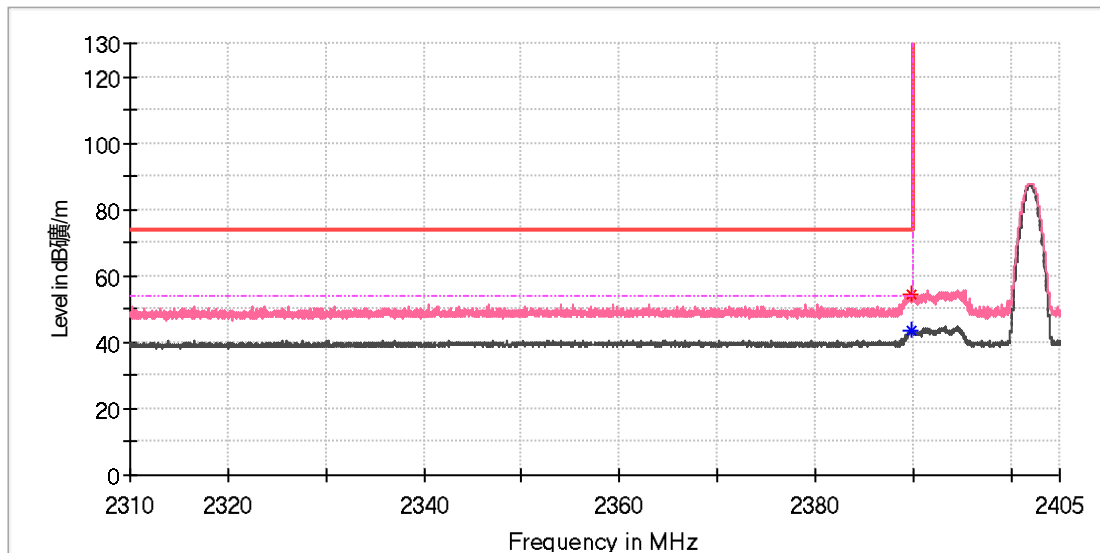


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2351.217647	---	40.93	54.00	13.07	150.0	H	285.0	8.5
2362.761471	51.64	---	74.00	22.36	150.0	H	336.0	8.5

EUT Information

EUT Name:	WIFI+BT Module
Model:	WKXT1AM2511
Test Mode:	BR DH5_Low channel
Order No/Sample No:	27233930/A004270738-001
Test Voltage:	DC 3.3V
Remark:	Temp.: 23.2°C Humi.:51%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

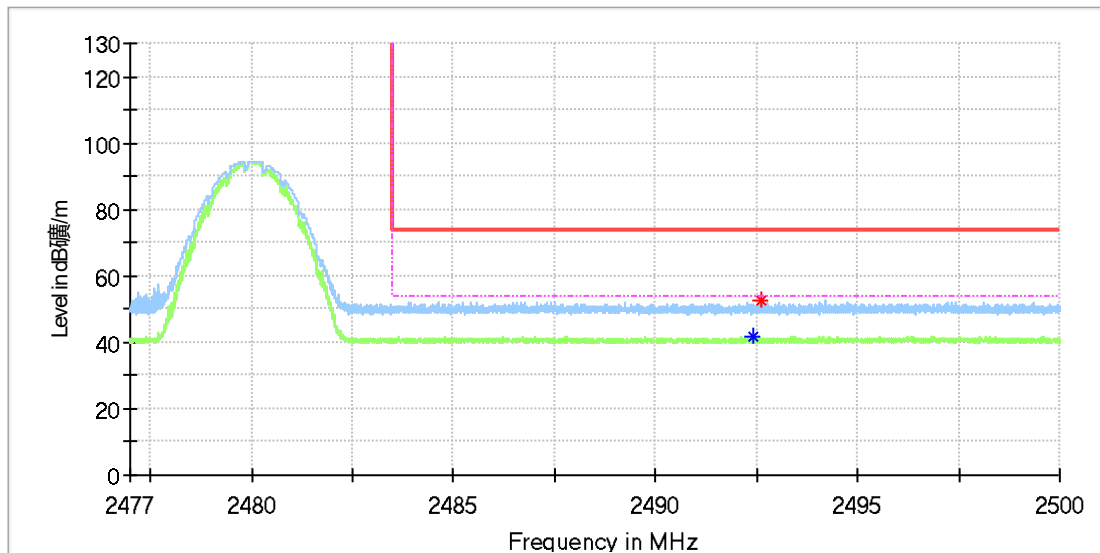


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.783529	54.71	---	74.00	19.29	150.0	V	254.0	8.5
2389.841177	---	43.64	54.00	10.36	150.0	V	268.0	8.5

EUT Information

EUT Name:	WIFI+BT Module
Model:	WKXT1AM2511
Test Mode:	BR DH5_High channel
Order No/Sample No:	27233930/A004270738-001
Test Voltage:	DC 3.3V
Remark:	Temp.: 23.2°C Humi.:51%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

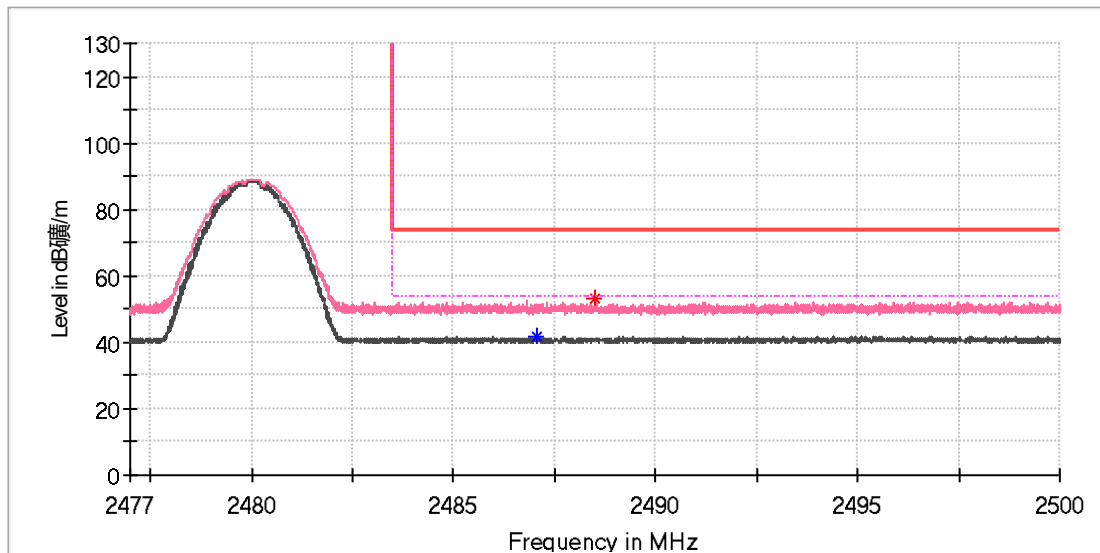


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2492.415441	---	41.47	54.00	12.53	150.0	H	188.0	9.0
2492.632353	52.58	---	74.00	21.42	150.0	H	152.0	9.0

EUT Information

EUT Name: WIFI+BT Module
Model: WKXT1AM2511
Test Mode: BR DH5_High channel
Order No/Sample No: 27233930/A004270738-001
Test Voltage: DC 3.3V
Remark: Temp.: 23.2°C Humi.:51%
Test Standard: FCC 15.247
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)
2487.051471	---	41.88	54.00	12.12	150.0	V	214.0	9.0
2488.522059	53.08	---	74.00	20.92	150.0	V	214.0	9.0

Appendix B: Test Results of Bluetooth LE

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Appendix B.1: Test Results of 6dB Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.700	2401.636	2402.336	0.5	PASS
		2440	0.696	2439.636	2440.332	0.5	PASS
		2480	0.708	2479.632	2480.340	0.5	PASS
BLE_2M	Ant1	2402	1.164	2401.396	2402.560	0.5	PASS
		2440	1.224	2439.360	2440.584	0.5	PASS
		2480	1.252	2479.356	2480.608	0.5	PASS

Test Graphs

BLE 1M Ant1 2402



BLE 1M Ant1 2440



BLE 1M Ant1 2480



BLE 2M Ant1 2402



BLE 2M Ant1 2440



BLE 2M Ant1 2480



Appendix B.2: Test Results of 99% Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0552	2401.4759	2402.5311	---	PASS
		2440	1.0604	2439.4731	2440.5335	---	PASS
		2480	1.0510	2479.4776	2480.5286	---	PASS
BLE_2M	Ant1	2402	2.0782	2400.9744	2403.0526	---	PASS
		2440	2.0811	2438.9736	2441.0547	---	PASS
		2480	2.0992	2478.9601	2481.0593	---	PASS

Test Graphs





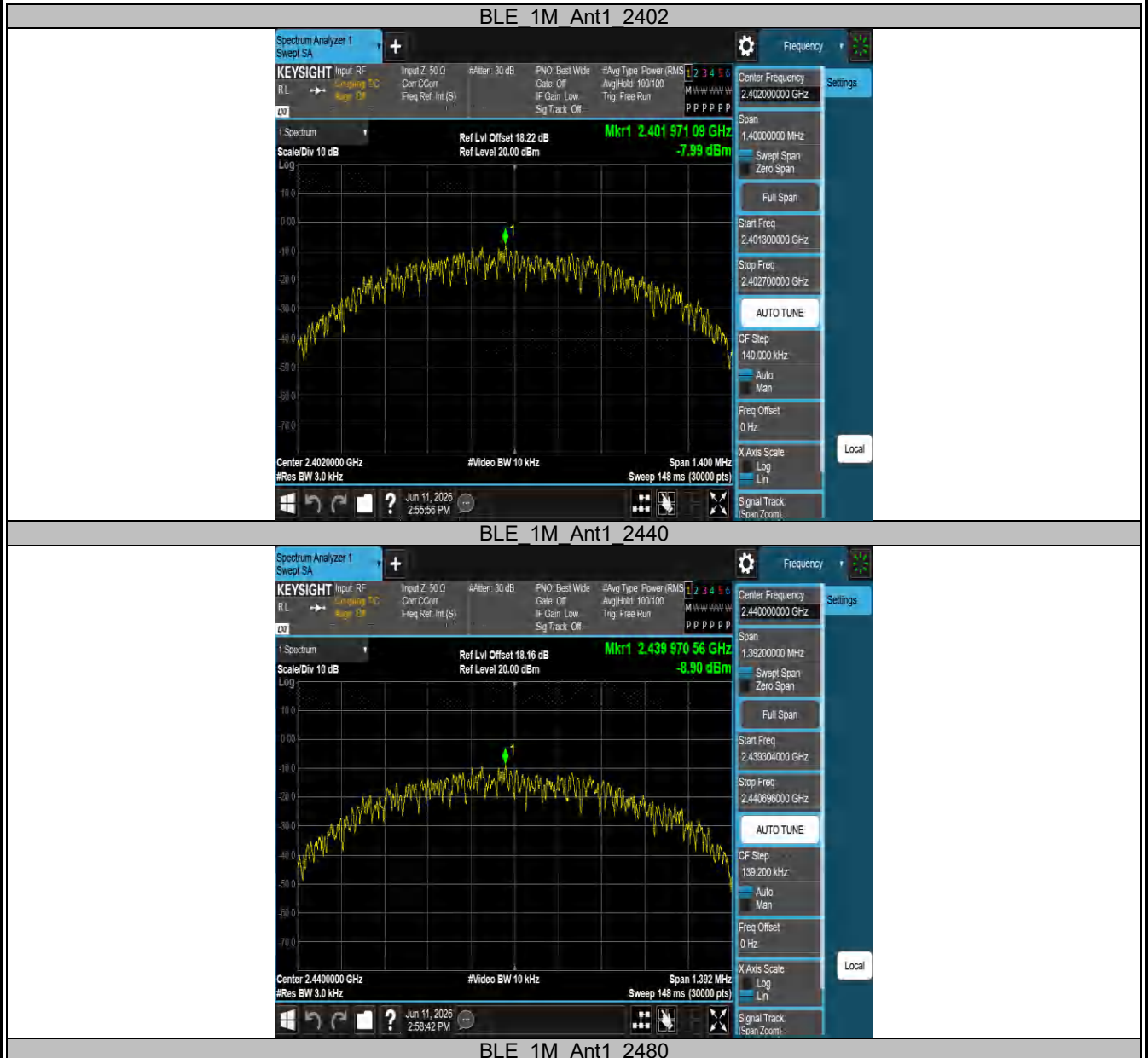


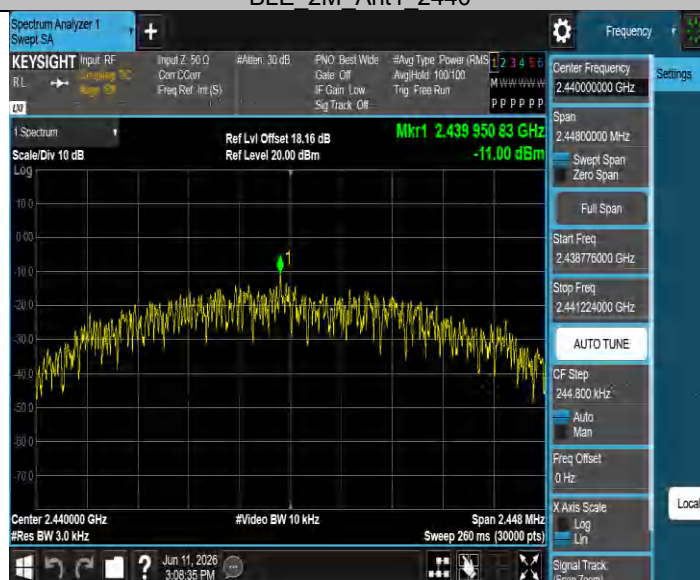
Appendix B.3: Test Results of Conducted Power Spectral Density

Test Result

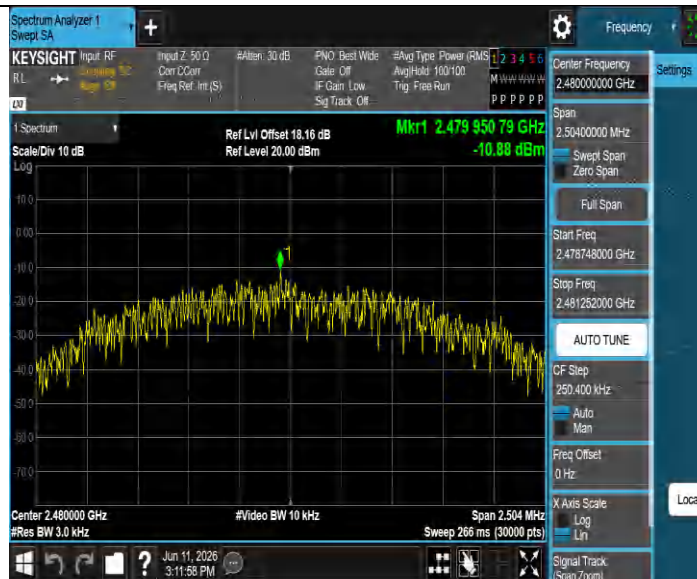
TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-7.99	≤8.00	PASS
		2440	-8.90	≤8.00	PASS
		2480	-8.78	≤8.00	PASS
BLE_2M	Ant1	2402	-10.20	≤8.00	PASS
		2440	-11.01	≤8.00	PASS
		2480	-10.88	≤8.00	PASS

Test Graphs





BLE_2M_Ant1_2480



Appendix B.4: Test Results of Band Edge Measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	5.98	-44.28	≤-14.02	PASS
		High	2480	5.19	-43.07	≤-14.81	PASS
BLE_2M	Ant1	Low	2402	5.70	-25.96	≤-14.30	PASS
		High	2480	4.52	-42.56	≤-15.48	PASS

Test Graphs

BLE 1M Ant1 Low 2402



BLE 1M Ant1 High 2480



BLE 2M Ant1 Low 2402



BLE 2M Ant1 High 2480



Appendix B.5: Test Results of Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	5.90	5.90	---	PASS
			30~1000	5.90	-51.24	≤-14.1	PASS
			1000~26500	5.90	-53.66	≤-14.1	PASS
		2440	Reference	4.96	4.96	---	PASS
			30~1000	4.96	-52.04	≤-15.04	PASS
			1000~26500	4.96	-53.9	≤-15.04	PASS
		2480	Reference	5.22	5.22	---	PASS
			30~1000	5.22	-51.91	≤-14.78	PASS
			1000~26500	5.22	-53.98	≤-14.78	PASS
BLE_2M	Ant1	2402	Reference	5.56	5.56	---	PASS
			30~1000	5.56	-52	≤-14.44	PASS
			1000~26500	5.56	-54.22	≤-14.44	PASS
		2440	Reference	4.96	4.96	---	PASS
			30~1000	4.96	-50.73	≤-15.04	PASS
			1000~26500	4.96	-53.81	≤-15.04	PASS
		2480	Reference	4.81	4.81	---	PASS
			30~1000	4.81	-52.61	≤-15.19	PASS
			1000~26500	4.81	-54.03	≤-15.19	PASS

Test Graphs

BLE 1M Ant1 2402 0~Reference



BLE 1M Ant1 2402 30~1000



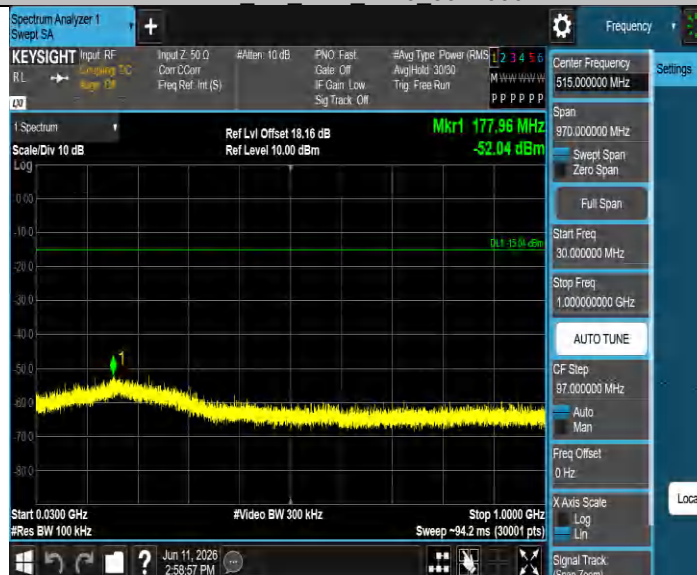
BLE 1M Ant1 2402 1000~26500



BLE 1M Ant1 2440 0~Reference



BLE 1M Ant1 2440 30~1000



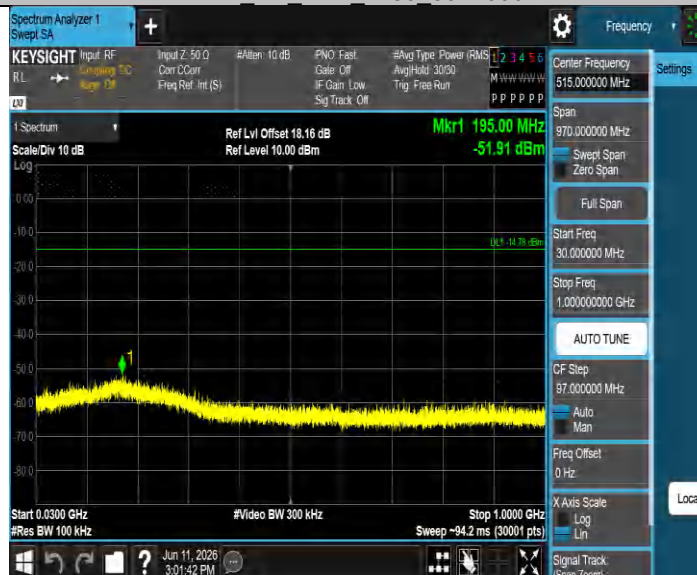
BLE 1M Ant1 2440 1000~26500



BLE 1M Ant1 2480 0~Reference



BLE 1M Ant1 2480 30~1000



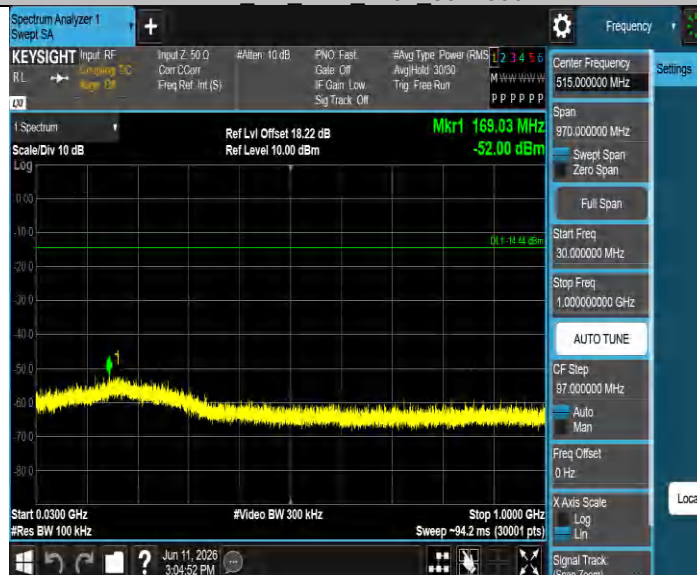
BLE 1M Ant1 2480 1000~26500



BLE 2M Ant1 2402 0~Reference



BLE 2M Ant1 2402 30~1000



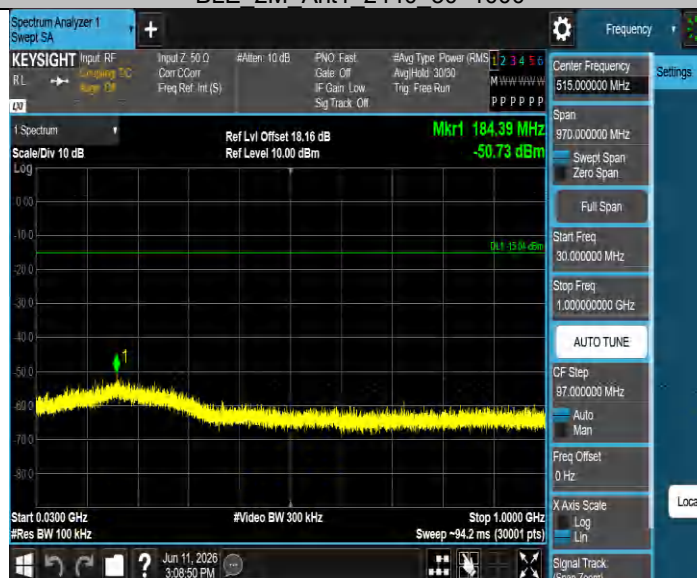
BLE 2M Ant1 2402 1000~26500



BLE 2M Ant1 2440 0~Reference



BLE 2M Ant1 2440 30~1000



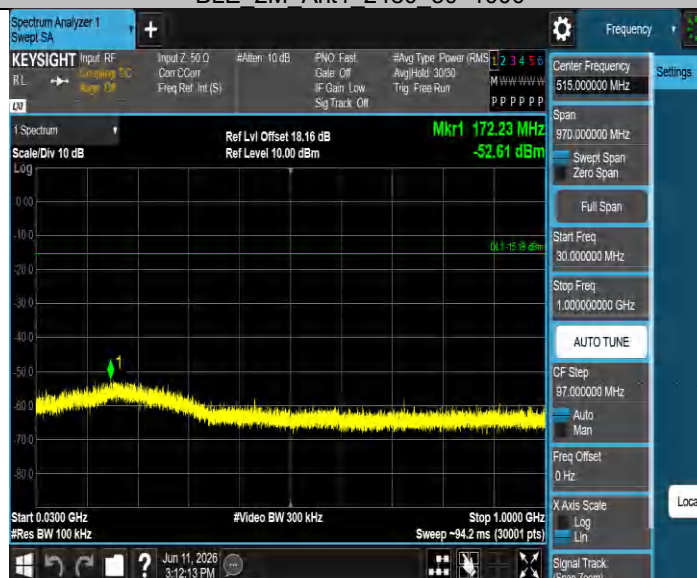
BLE_2M_Ant1_2440_1000~26500



BLE 2M Ant1 2480 0~Reference



BLE 2M Ant1 2480 30~1000



BLE_2M_Ant1_2480_1000~26500



Appendix B.6: Test Results of Radiated Spurious Emissions

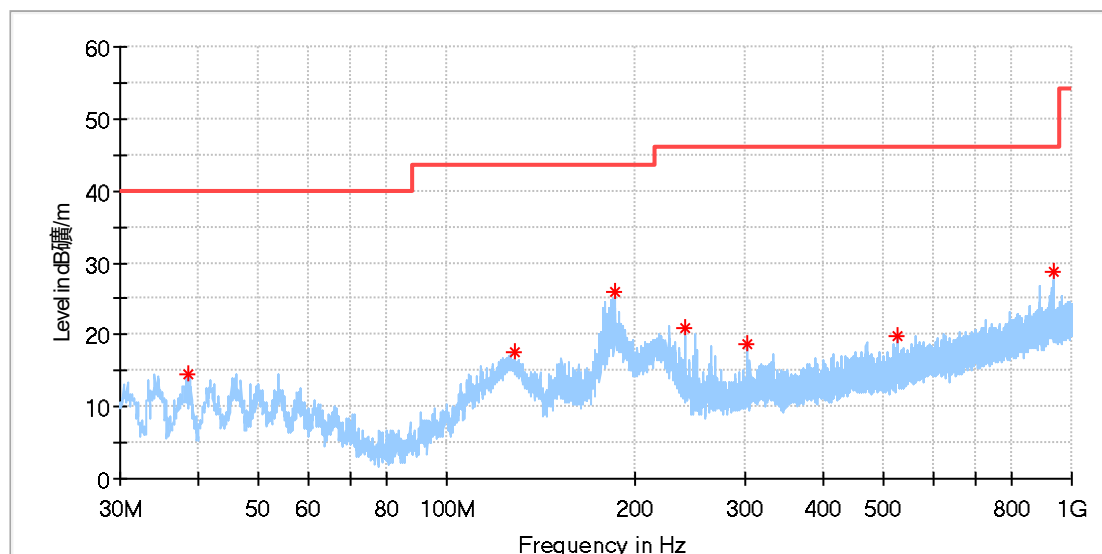
Note:

- 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 - 26.5GHz 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:	WIFI+BT Module
Model:	WKXT1AM2511
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	27233930/A004270738-001
Test Voltage:	DC 3.3V
Remark:	Temp.: 23.2°C Humi.:51%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

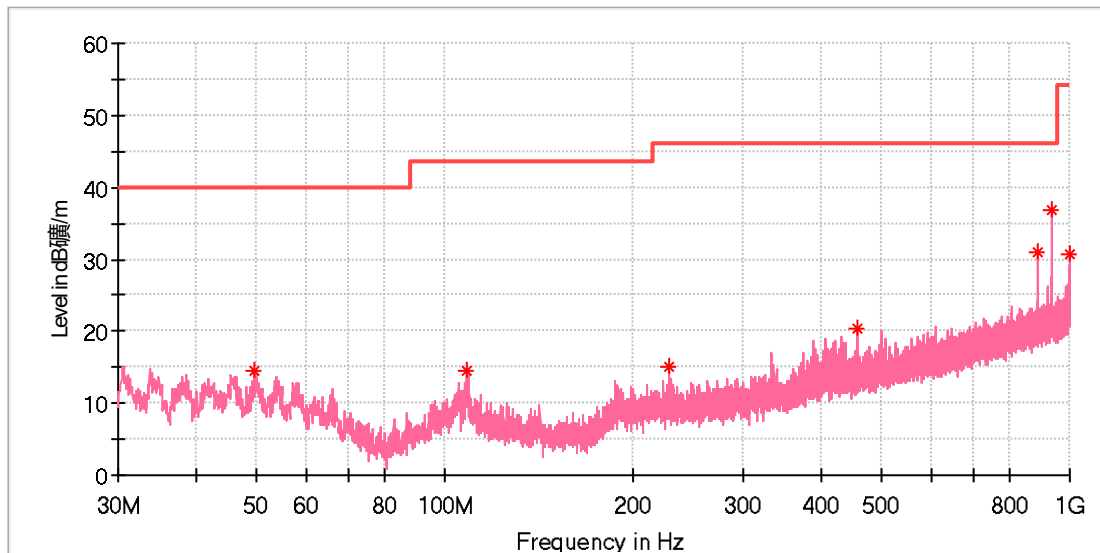


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
38.676111	14.63	40.00	25.37	100.0	H	281.0	-20.6
128.562778	17.56	43.50	25.94	100.0	H	119.0	-21.8
185.361667	26.03	43.50	17.47	100.0	H	101.0	-20.1
241.244444	20.84	46.00	25.16	100.0	H	74.0	-17.7
301.492222	18.62	46.00	27.38	100.0	H	101.0	-16.2
525.400556	19.70	46.00	26.30	100.0	H	359.0	-11.3
936.950000	28.64	46.00	17.36	100.0	H	263.0	-4.4

EUT Information

EUT Name: WIFI+BT Module
Model: WKXT1AM2511
Test Mode: BLE 1M_Mid channel
Order No/Sample No: 27233930/A004270738-001
Test Voltage: DC 3.3V
Remark: Temp.: 23.2°C Humi.:51%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

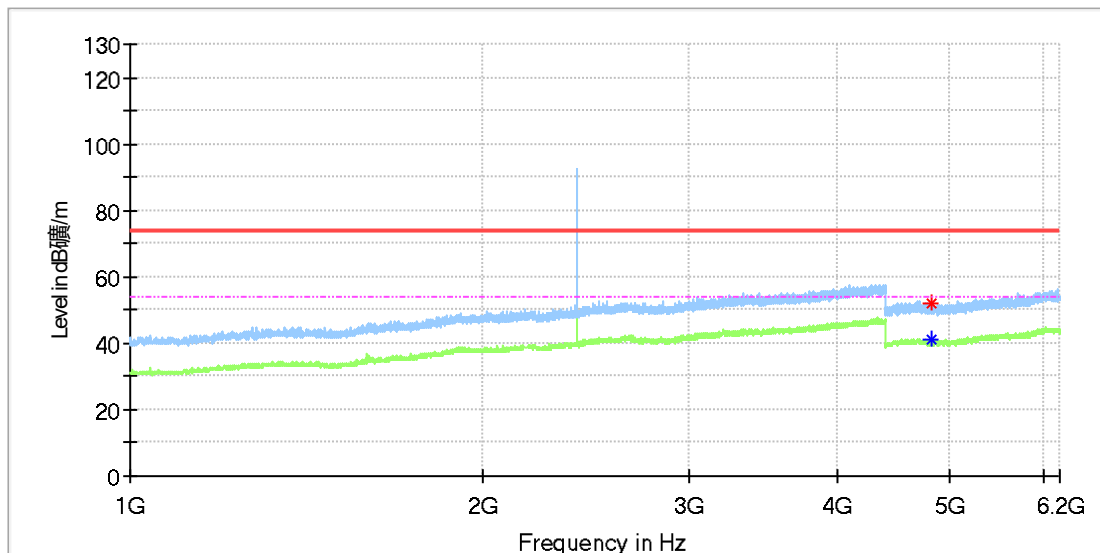
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
49.615556	14.59	40.00	25.41	100.0	V	352.0	-18.4
108.623889	14.61	43.50	28.89	100.0	V	110.0	-19.1
228.472778	15.17	46.00	30.83	100.0	V	127.0	-18.2
458.470556	20.40	46.00	25.60	100.0	V	352.0	-12.6
890.982778	30.99	46.00	15.01	100.0	V	135.0	-4.9
937.542778	36.88	46.00	9.12	100.0	V	181.0	-4.4
998.167778	30.57	54.00	23.43	100.0	V	145.0	-3.5

1GHz - 18GHz

Note: The highest waveform in the figure is Bluetooth Fundamental.

EUT Information

EUT Name:	WIFI+BT Module
Model:	WKXT1AM2511
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	27233930/A004270738-001
Test Voltage:	DC 3.3V
Remark:	Temp.: 23.2°C Humi.:51%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

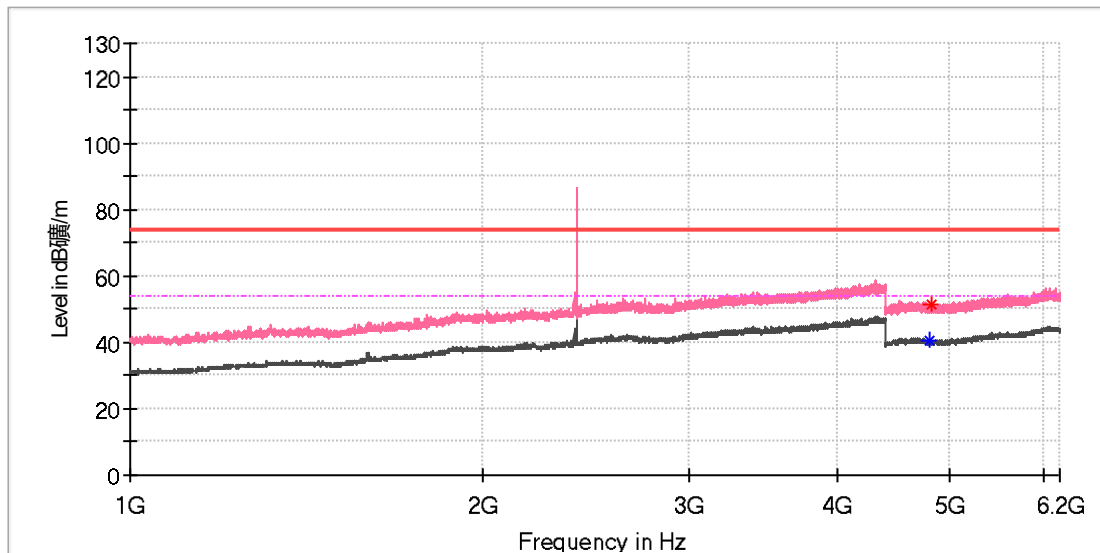


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4820.000000	51.90	---	74.00	22.10	150.0	H	110.0	13.3
4826.000000	---	41.01	54.00	12.99	150.0	H	104.0	13.3

EUT Information

EUT Name: WIFI+BT Module
Model: WKXT1AM2511
Test Mode: BLE 1M_Low channel
Order No/Sample No: 27233930/A004270738-001
Test Voltage: DC 3.3V
Remark: Temp.: 23.2°C Humi.:51%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin

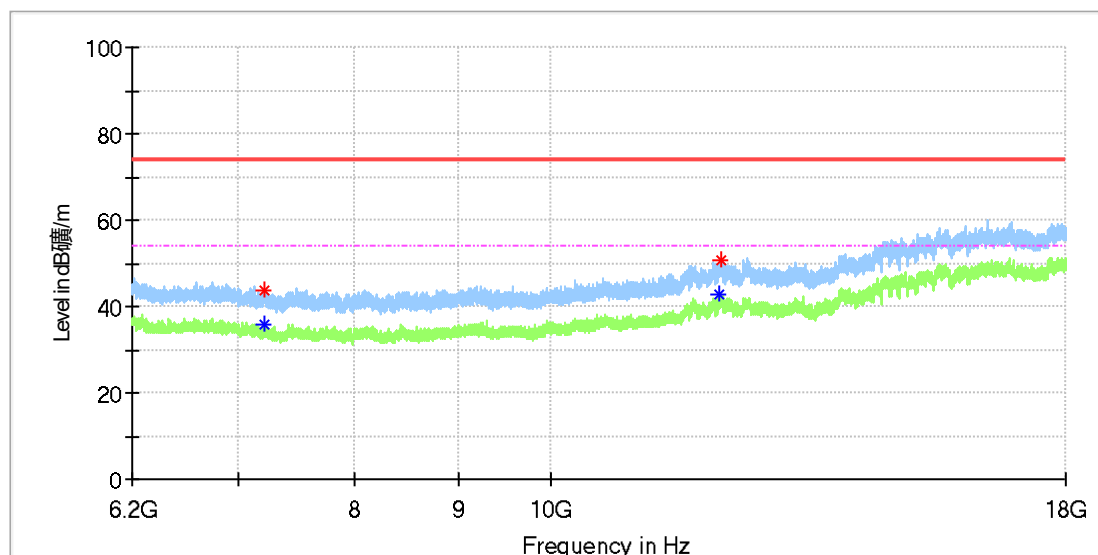


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4801.000000	---	40.60	54.00	13.40	150.0	V	66.0	13.3
4812.000000	51.52	---	74.00	22.48	150.0	V	144.0	13.3

EUT Information

EUT Name:	WIFI+BT Module
Model:	WKXT1AM2511
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	27233930/A004270738-001
Test Voltage:	DC 3.3V
Remark:	Temp.: 23.2°C Humi.:51%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

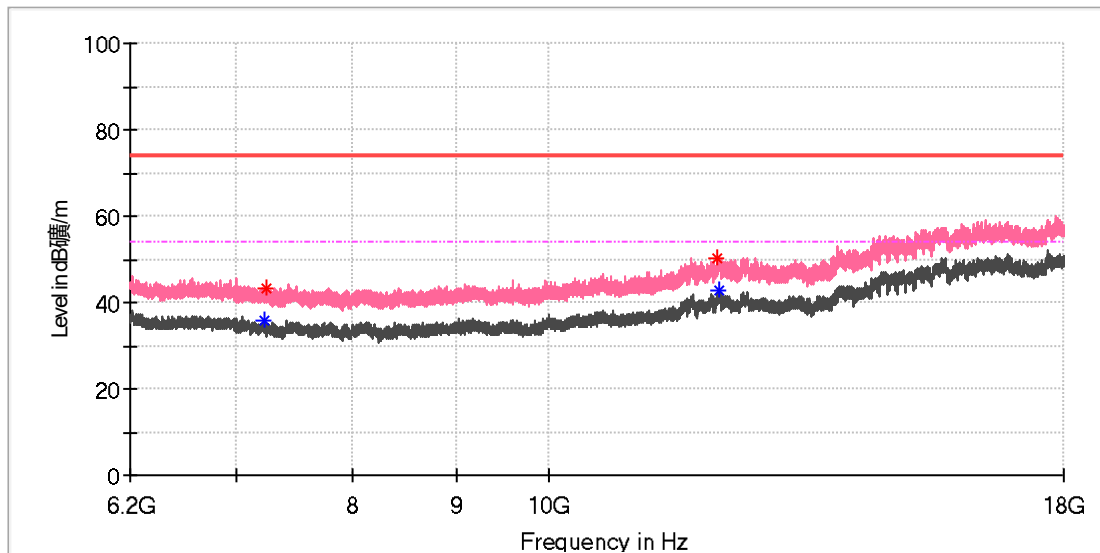


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7211.850000	43.56	---	74.00	30.44	150.0	H	0.0	8.7
7218.241667	---	35.84	54.00	18.16	150.0	H	356.0	8.7
12123.108333	---	42.67	54.00	11.33	150.0	H	52.0	16.0
12148.675000	50.50	---	74.00	23.50	150.0	H	85.0	16.7

EUT Information

EUT Name: WIFI+BT Module
Model: WKXT1AM2511
Test Mode: BLE 1M_Low channel
Order No/Sample No: 27233930/A004270738-001
Test Voltage: DC 3.3V
Remark: Temp.: 23.2°C Humi.:51%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin

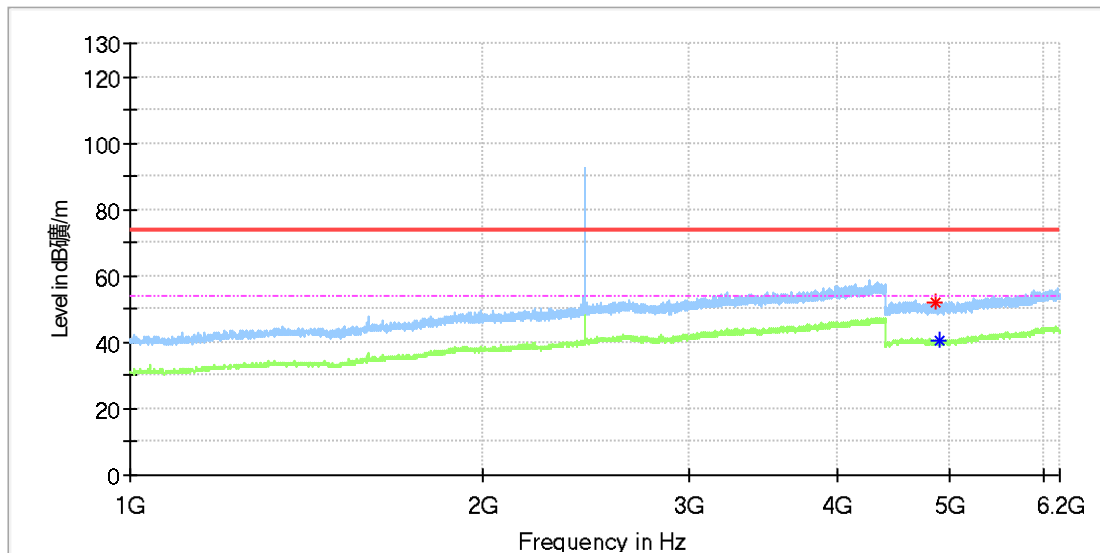


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7221.683333	---	35.70	54.00	18.30	150.0	V	263.0	8.7
7236.925000	43.26	---	74.00	30.74	150.0	V	341.0	8.6
12115.733333	50.29	---	74.00	23.71	150.0	V	57.0	15.8
12149.658333	---	42.84	54.00	11.16	150.0	V	0.0	16.7

EUT Information

EUT Name: WIFI+BT Module
Model: WKXT1AM2511
Test Mode: BLE 1M_Mid channel
Order No/Sample No: 27233930/A004270738-001
Test Voltage: DC 3.3V
Remark: Temp.: 23.2°C Humi.:51%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin

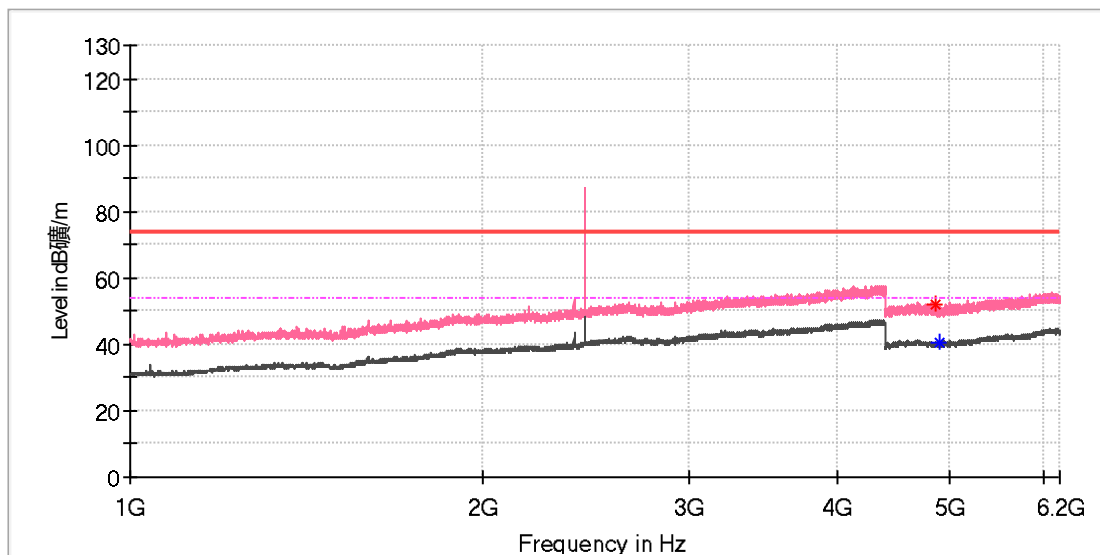


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4851.000000	52.06	---	74.00	21.94	150.0	H	125.0	13.3
4897.000000	---	40.56	54.00	13.44	150.0	H	170.0	13.3

EUT Information

EUT Name:	WIFI+BT Module
Model:	WKXT1AM2511
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	27233930/A004270738-001
Test Voltage:	DC 3.3V
Remark:	Temp.: 23.2°C Humi.:51%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

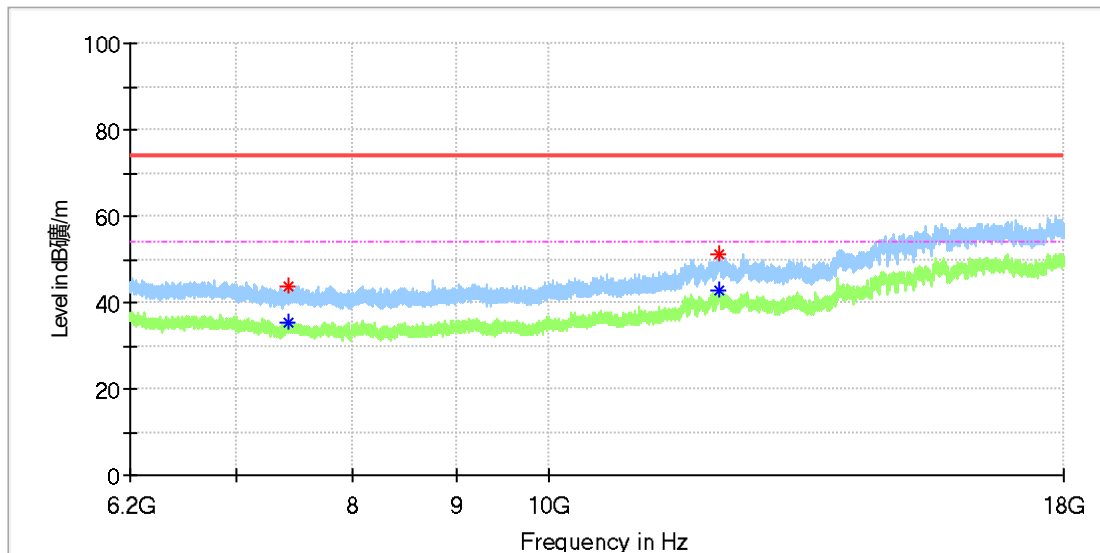


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4863.500000	51.76	---	74.00	22.24	150.0	V	42.0	13.3
4904.500000	---	40.79	54.00	13.21	150.0	V	338.0	13.3

EUT Information

EUT Name:	WIFI+BT Module
Model:	WKXT1AM2511
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	27233930/A004270738-001
Test Voltage:	DC 3.3V
Remark:	Temp.: 23.2°C Humi.:51%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

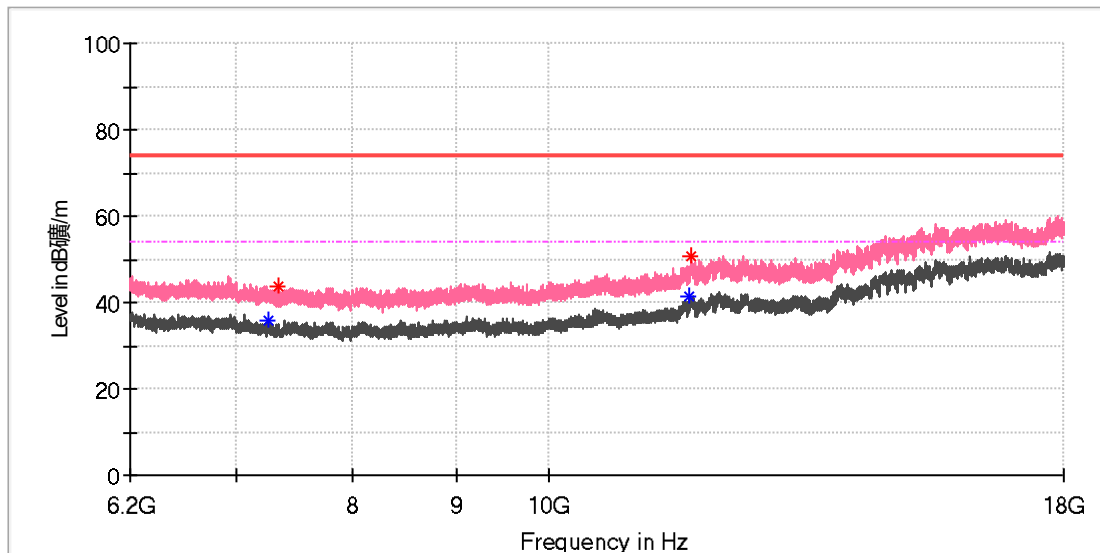


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7420.316667	43.78	---	74.00	30.22	150.0	H	28.0	8.4
7421.791667	---	35.27	54.00	18.73	150.0	H	258.0	8.4
12138.841667	51.14	---	74.00	22.86	150.0	H	138.0	16.4
12146.216667	---	42.99	54.00	11.01	150.0	H	28.0	16.6

EUT Information

EUT Name:	WIFI+BT Module
Model:	WKXT1AM2511
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	27233930/A004270738-001
Test Voltage:	DC 3.3V
Remark:	Temp.: 23.2°C Humi.:51%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

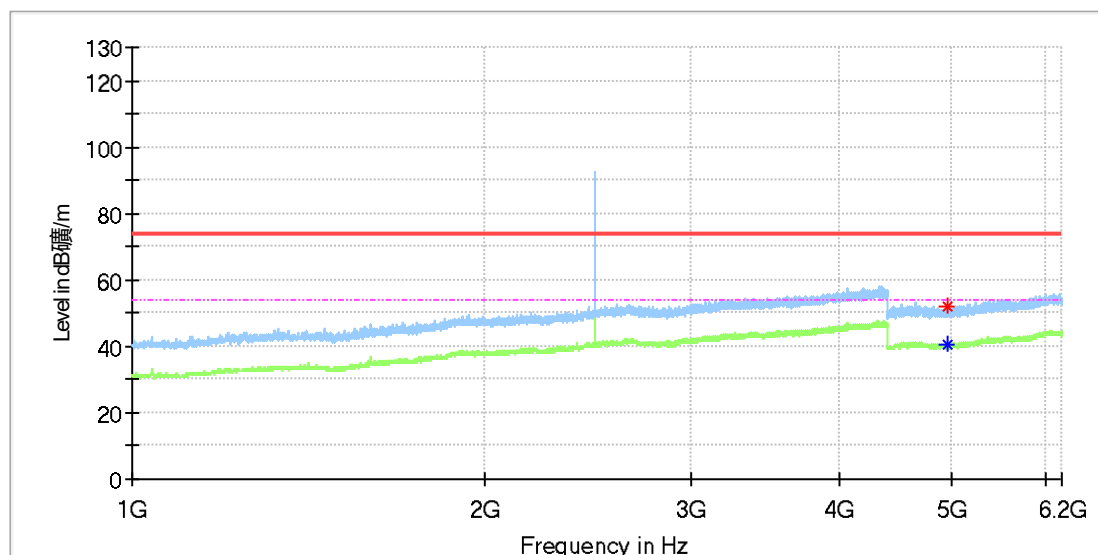


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7264.950000	---	35.92	54.00	18.08	150.0	V	242.0	8.5
7335.750000	43.67	---	74.00	30.33	150.0	V	103.0	8.1
11746.491667	---	41.60	54.00	12.40	150.0	V	126.0	15.3
11752.391667	50.64	---	74.00	23.36	150.0	V	33.0	15.5

EUT Information

EUT Name: WIFI+BT Module
Model: WKXT1AM2511
Test Mode: BLE 1M_High channel
Order No/Sample No: 27233930/A004270738-001
Test Voltage: DC 3.3V
Remark: Temp.: 23.2°C Humi.:51%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin

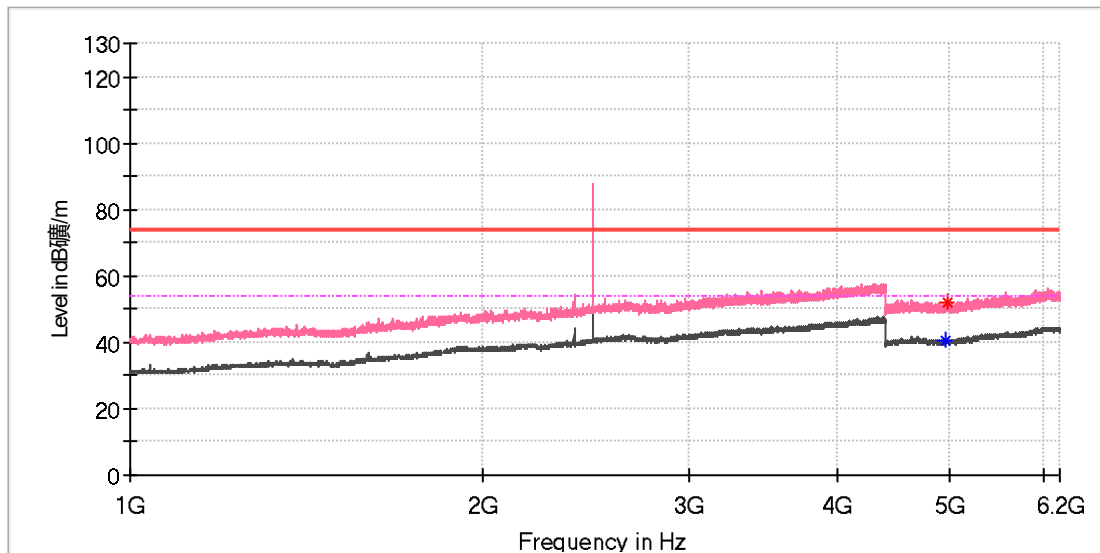


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4950.000000	52.18	---	74.00	21.82	150.0	H	266.0	13.3
4956.500000	---	40.66	54.00	13.34	150.0	H	57.0	13.3

EUT Information

EUT Name: WIFI+BT Module
Model: WKXT1AM2511
Test Mode: BLE 1M_High channel
Order No/Sample No: 27233930/A004270738-001
Test Voltage: DC 3.3V
Remark: Temp.: 23.2°C Humi.:51%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin

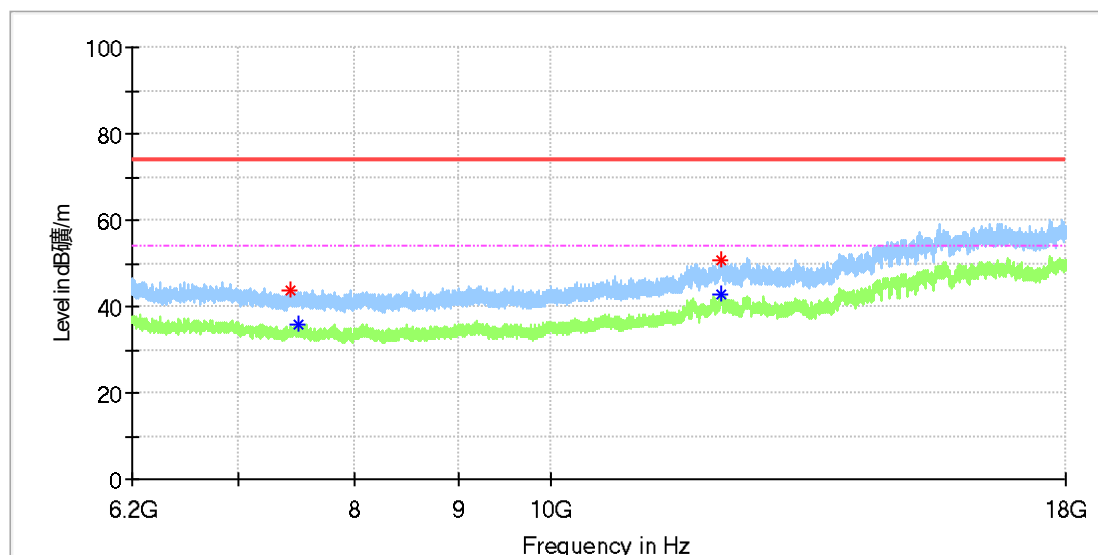


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4954.000000	---	40.64	54.00	13.36	150.0	V	182.0	13.3
4969.000000	52.09	---	74.00	21.91	150.0	V	136.0	13.3

EUT Information

EUT Name: WIFI+BT Module
Model: WKXT1AM2511
Test Mode: BLE 1M_High channel
Order No/Sample No: 27233930/A004270738-001
Test Voltage: DC 3.3V
Remark: Temp.: 23.2°C Humi.:51%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin

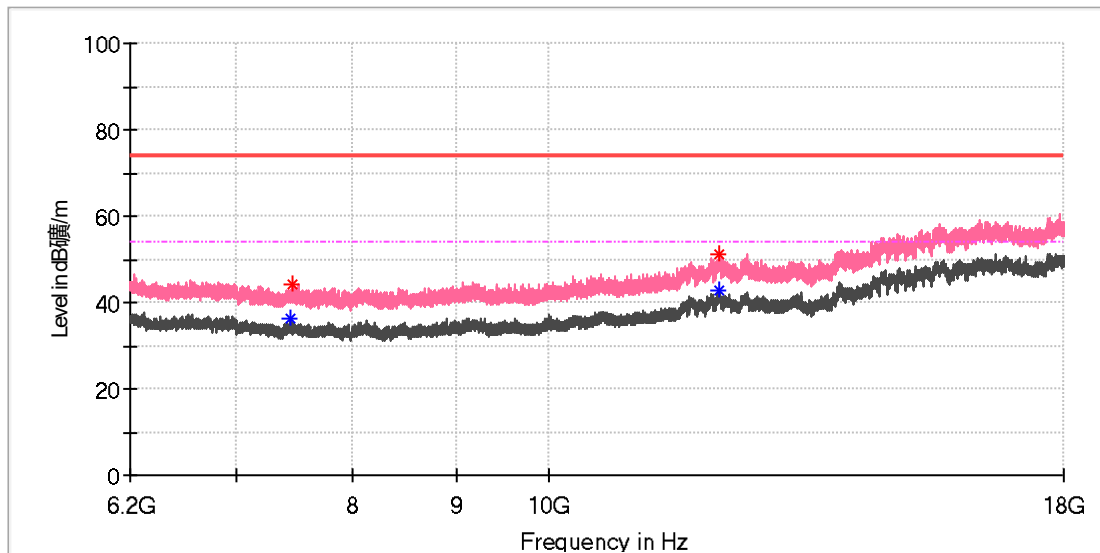


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7426.216667	43.60	---	74.00	30.40	150.0	H	289.0	8.4
7492.100000	---	36.04	54.00	17.96	150.0	H	358.0	8.7
12136.383333	50.86	---	74.00	23.14	150.0	H	223.0	16.4
12142.775000	---	43.00	54.00	11.00	150.0	H	137.0	16.5

EUT Information

EUT Name:	WIFI+BT Module
Model:	WKXT1AM2511
Test Mode:	BLE 1M_High channel
Order No/Sample No:	27233930/A004270738-001
Test Voltage:	DC 3.3V
Remark:	Temp.: 23.2°C Humi.:51%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



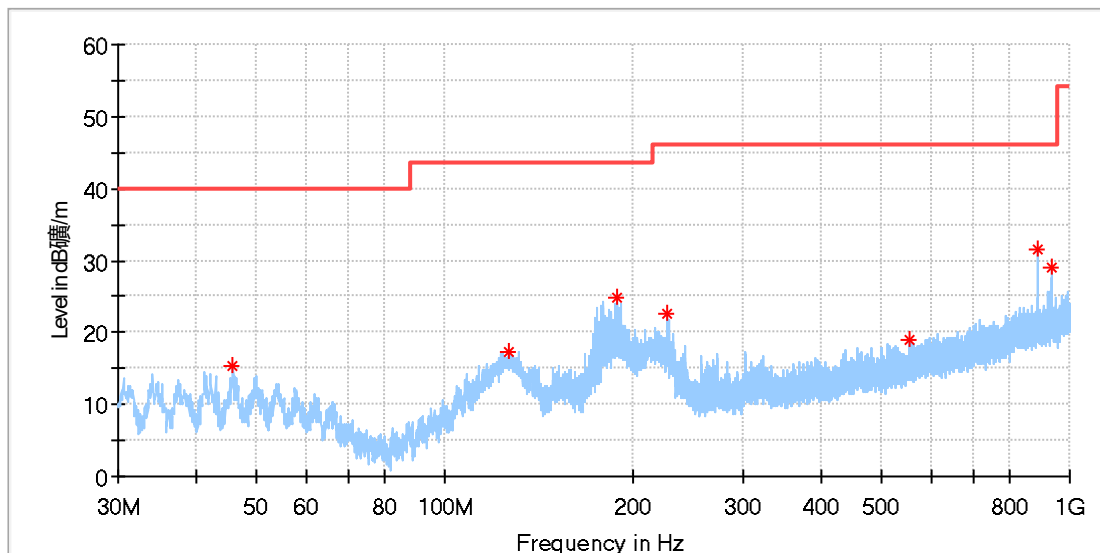
Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7451.291667	---	36.31	54.00	17.69	150.0	V	207.0	8.5
7468.500000	44.24	---	74.00	29.76	150.0	V	75.0	8.6
12143.266667	---	42.85	54.00	11.15	150.0	V	0.0	16.6
12143.758333	50.96	---	74.00	23.04	150.0	V	15.0	16.6

30MHz - 1GHz for co-location

EUT Information

EUT Name:	WIFI+BT Module
Model:	WKXT1AM2511
Test Mode:	BLE 1M_Mid channel+WIFI 5G_11a_Ch40
Order No/Sample No:	27233930/A004270738-001
Test Voltage:	DC 3.3V
Remark:	Temp.: 23.2°C Humi.:51%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

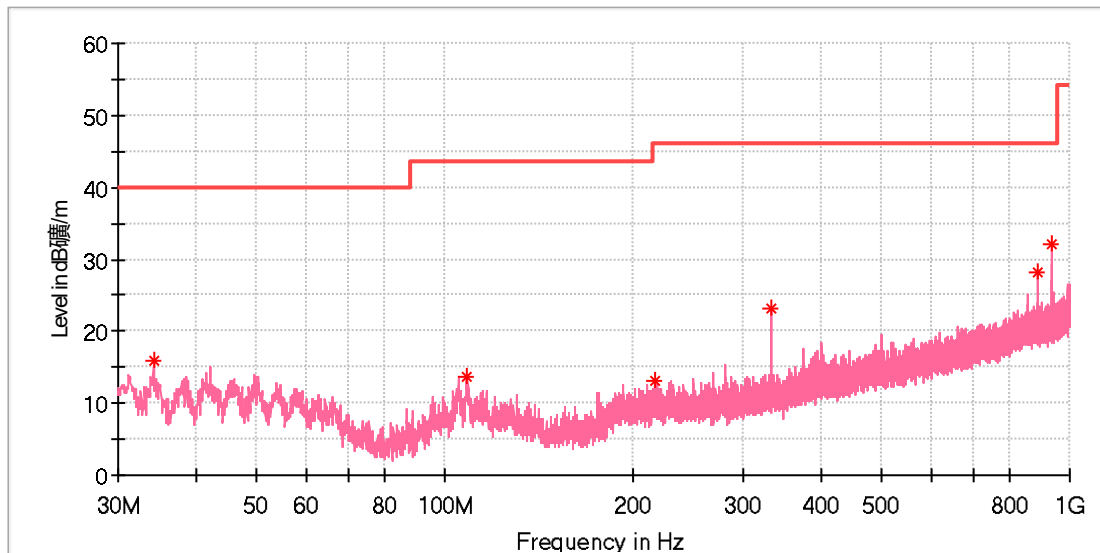


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
45.735556	15.48	40.00	24.52	100.0	H	0.0	-18.8
126.353333	17.22	43.50	26.28	100.0	H	0.0	-21.6
189.133889	24.85	43.50	18.65	100.0	H	0.0	-19.7
226.263333	22.51	46.00	23.49	100.0	H	24.0	-18.3
555.740000	19.01	46.00	26.99	100.0	H	144.0	-10.7
890.982778	31.55	46.00	14.45	100.0	H	42.0	-4.9
937.488889	29.15	46.00	16.85	100.0	H	309.0	-4.4

EUT Information

EUT Name:	WIFI+BT Module
Model:	WKXT1AM2511
Test Mode:	BLE 1M_Mid channel+WIFI 5G_11a_Ch40
Order No/Sample No:	27233930/A004270738-001
Test Voltage:	DC 3.3V
Remark:	Temp.: 23.2°C Humi.:51%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

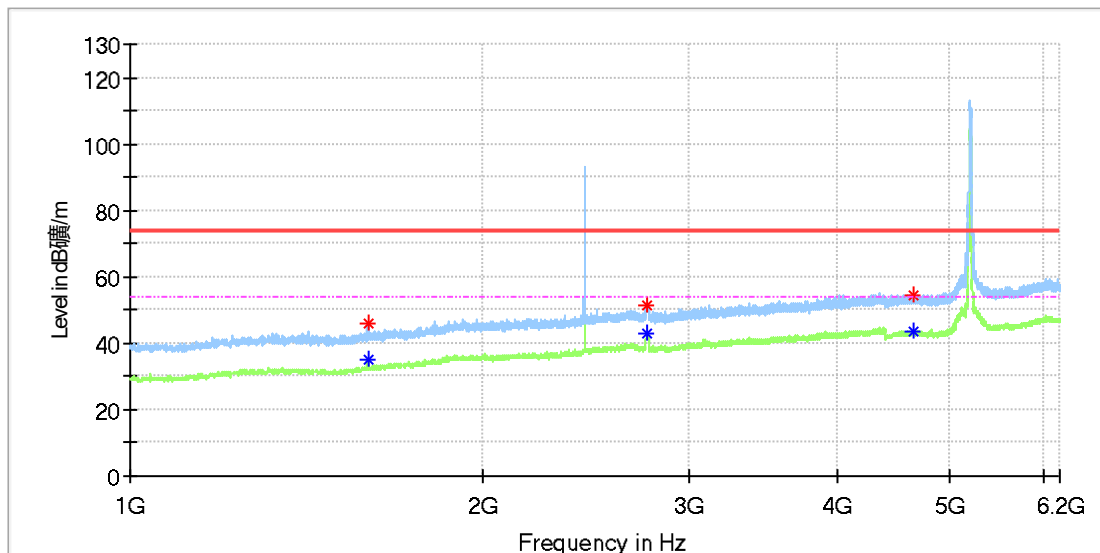
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
34.149444	15.82	40.00	24.18	100.0	V	266.0	-22.3
108.731667	13.69	43.50	29.81	100.0	V	175.0	-19.1
216.240000	13.16	46.00	32.84	100.0	V	113.0	-18.7
332.855556	23.15	46.00	22.85	100.0	V	175.0	-15.2
890.982778	28.31	46.00	17.69	100.0	V	228.0	-4.9
937.542778	31.99	46.00	14.01	100.0	V	6.0	-4.4

1GHz - 18GHz for co-location

Note: The highest waveform in the figure is Bluetooth and/or Wi-Fi Fundamental.

EUT Information

EUT Name:	WIFI+BT Module
Model:	WKXT1AM2511
Test Mode:	BLE 1M_Mid channel+WIFI 5G_11a_Ch40
Order No/Sample No:	27233930/A004270738-001
Test Voltage:	DC 3.3V
Remark:	Temp.:23.2°C Humi.:51%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

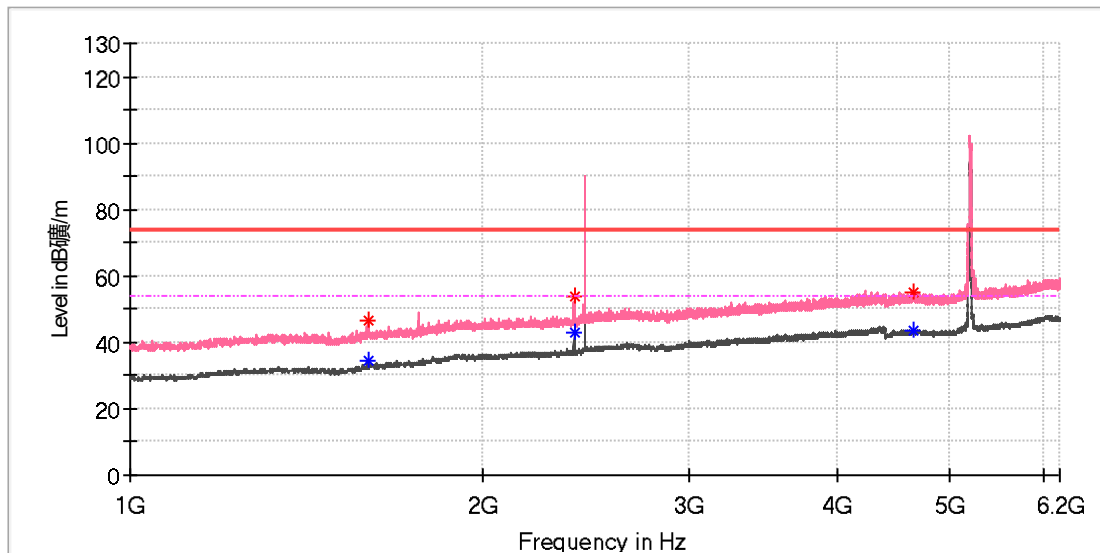


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1594.000000	---	35.14	54.00	18.86	150.0	H	248.0	3.8
1595.500000	46.13	---	74.00	27.87	150.0	H	320.0	3.8
2757.500000	51.59	---	74.00	22.41	150.0	H	15.0	9.8
2759.000000	---	43.03	54.00	10.97	150.0	H	75.0	9.8
4644.000000	54.28	---	74.00	19.72	150.0	H	219.0	13.5
4654.000000	---	43.49	54.00	10.51	150.0	H	104.0	13.5

EUT Information

EUT Name:	WIFI+BT Module
Model:	WKXT1AM2511
Test Mode:	BLE 1M_Mid channel+WIFI 5G_11a_Ch40
Order No/Sample No:	27233930/A004270738-001
Test Voltage:	DC 3.3V
Remark:	Temp.: 23.2°C Humi.:51%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

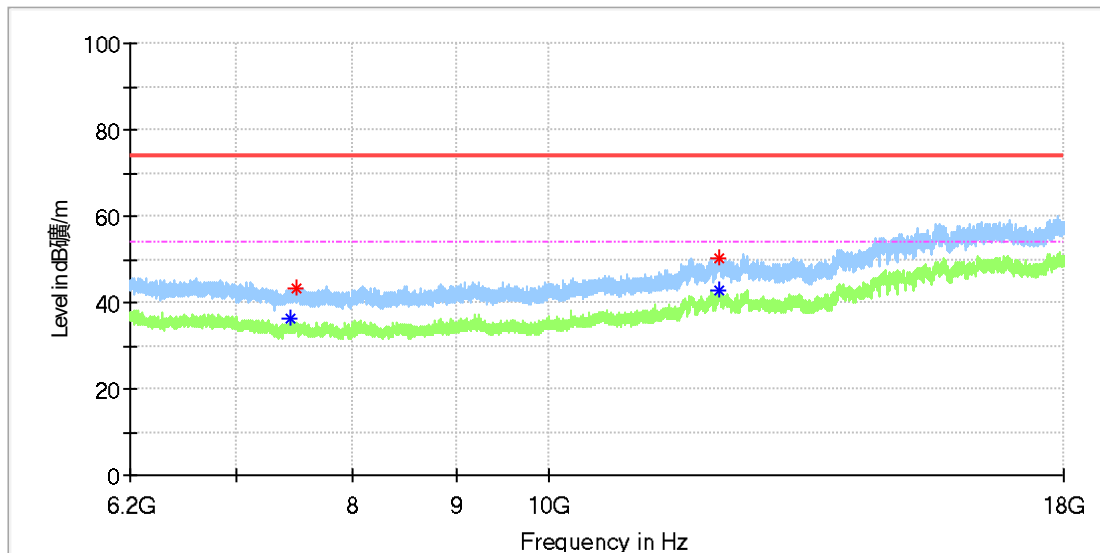


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1594.000000	46.41	---	74.00	27.59	150.0	V	245.0	3.8
1595.500000	---	34.61	54.00	19.39	150.0	V	258.0	3.8
2391.500000	---	43.14	54.00	10.86	150.0	V	266.0	8.5
2392.500000	53.83	---	74.00	20.17	150.0	V	266.0	8.5
4646.500000	55.32	---	74.00	18.68	150.0	V	180.0	13.5
4649.000000	---	43.64	54.00	10.36	150.0	V	157.0	13.5

EUT Information

EUT Name:	WIFI+BT Module
Model:	WKXT1AM2511
Test Mode:	BLE 1M_Mid channel+WIFI 5G_11a_Ch40
Order No/Sample No:	27233930/A004270738-001
Test Voltage:	DC 3.3V
Remark:	Temp.: 23.2°C Humi.:51%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

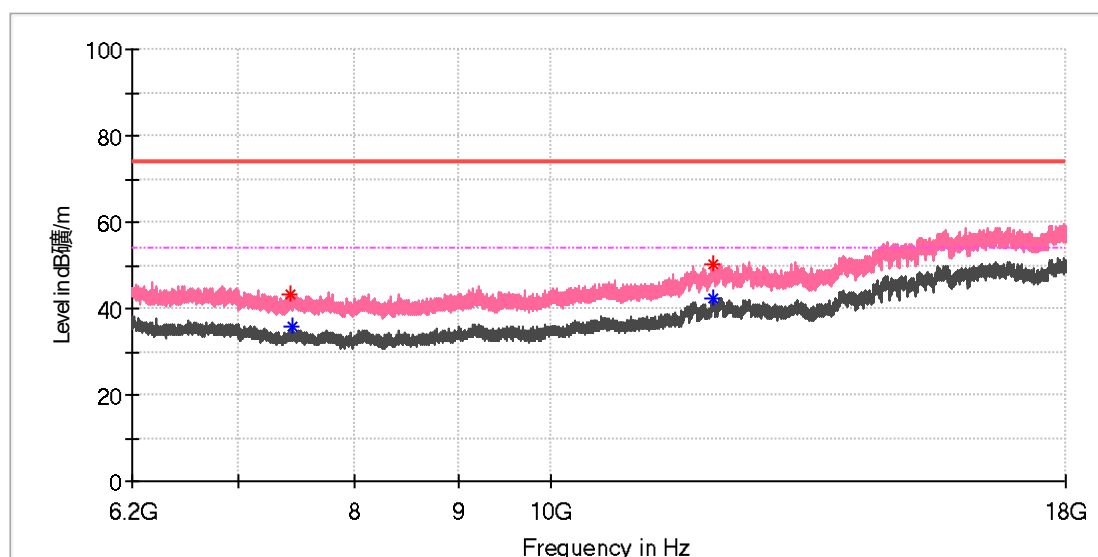


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7440.966667	---	36.17	54.00	17.83	150.0	H	192.0	8.4
7487.675000	43.28	---	74.00	30.72	150.0	H	125.0	8.7
12151.625000	---	42.73	54.00	11.27	150.0	H	104.0	16.6
12154.575000	50.27	---	74.00	23.73	150.0	H	125.0	16.5

EUT Information

EUT Name:	WIFI+BT Module
Model:	WKXT1AM2511
Test Mode:	BLE 1M_Mid channel+WIFI 5G_11a_Ch40
Order No/Sample No:	27233930/A004270738-001
Test Voltage:	DC 3.3V
Remark:	Temp.: 23.2°C Humi.:51%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



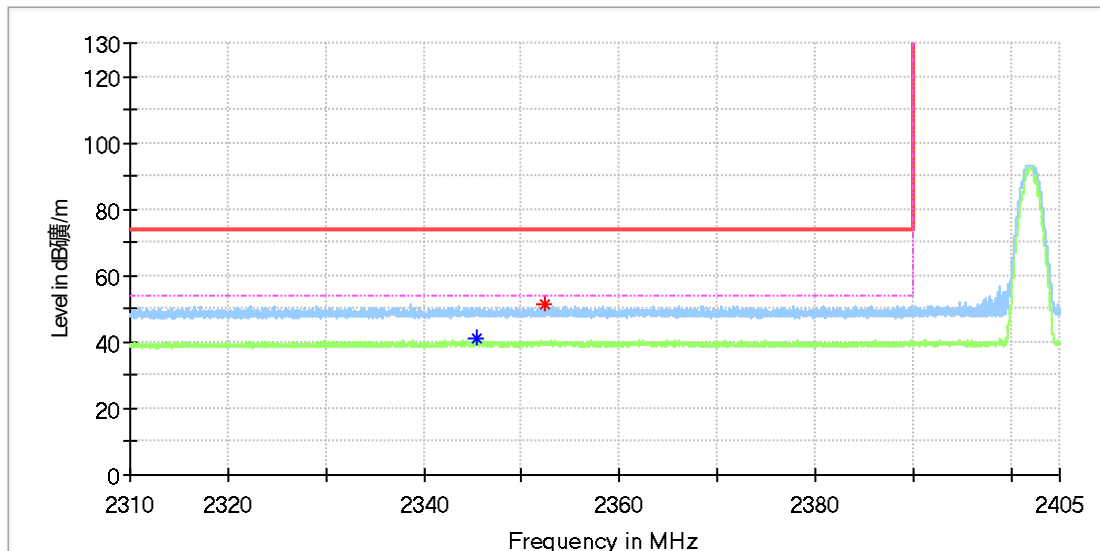
Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7420.316667	43.36	---	74.00	30.64	150.0	V	64.0	8.4
7452.275000	---	35.60	54.00	18.40	150.0	V	163.0	8.5
12032.150000	50.34	---	74.00	23.66	150.0	V	306.0	16.0
12045.916667	---	42.22	54.00	11.78	150.0	V	0.0	16.3

Appendix B.7: Test Results of Radiated Emissions in Restricted Bands

EUT Information

EUT Name:	WIFI+BT Module
Model:	WKXT1AM2511
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	27233930/A004270738-001
Test Voltage:	DC 3.3V
Remark:	Temp.: 23.2°C Humi.:51%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

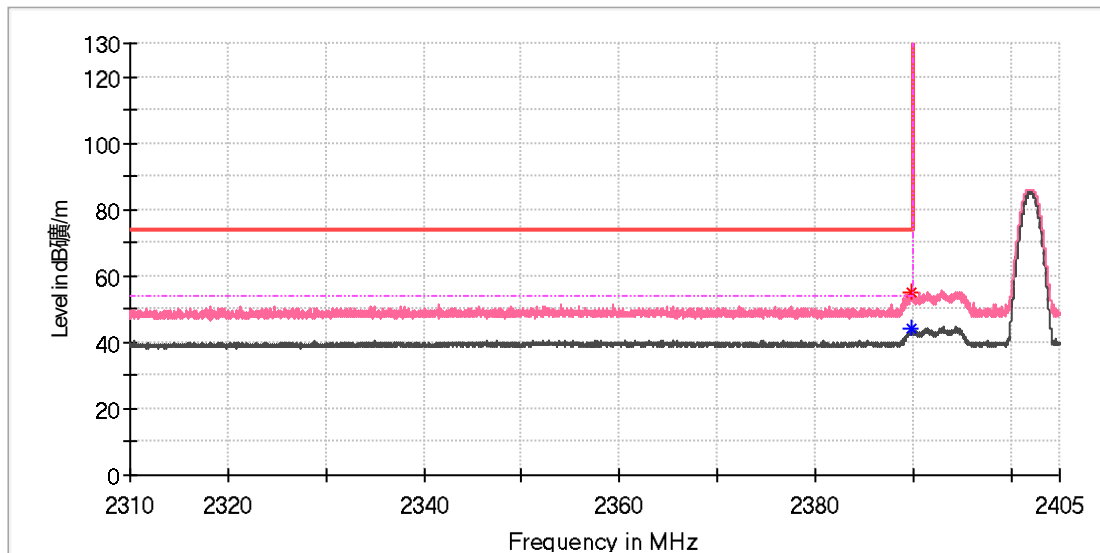


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2345.496177	---	40.88	54.00	13.12	150.0	H	346.0	8.4
2352.356177	51.29	---	74.00	22.71	150.0	H	0.0	8.5

EUT Information

EUT Name:	WIFI+BT Module
Model:	WKXT1AM2511
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	27233930/A004270738-001
Test Voltage:	DC 3.3V
Remark:	Temp.: 23.2°C Humi.:51%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

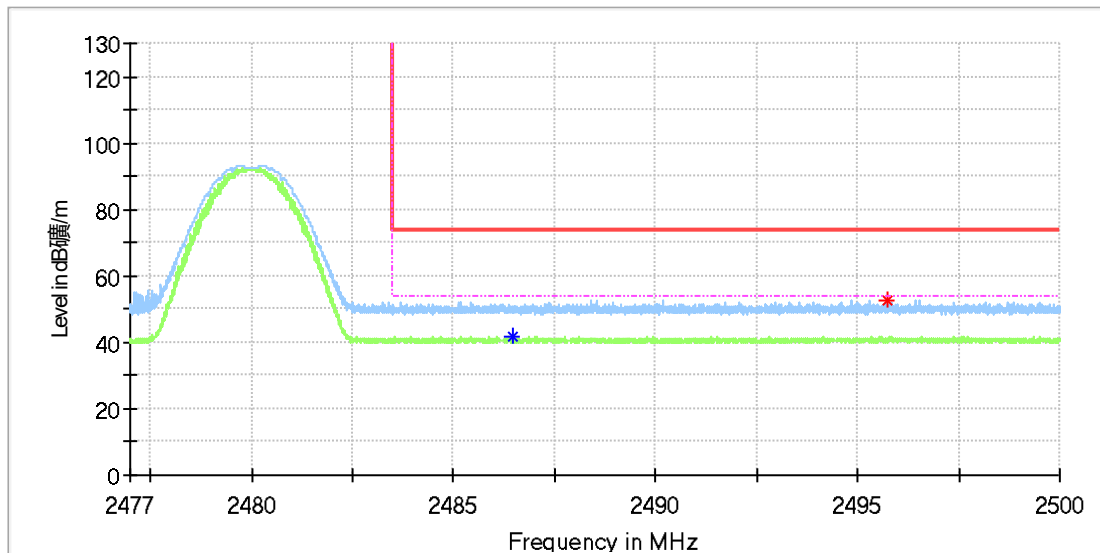


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.826765	54.90	---	74.00	19.10	150.0	V	268.0	8.5
2389.913235	---	44.17	54.00	9.83	150.0	V	268.0	8.5

EUT Information

EUT Name: WIFI+BT Module
Model: WKXT1AM2511
Test Mode: BLE 1M_High channel
Order No/Sample No: 27233930/A004270738-001
Test Voltage: DC 3.3V
Remark: Temp.: 23.2°C Humi.:51%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin

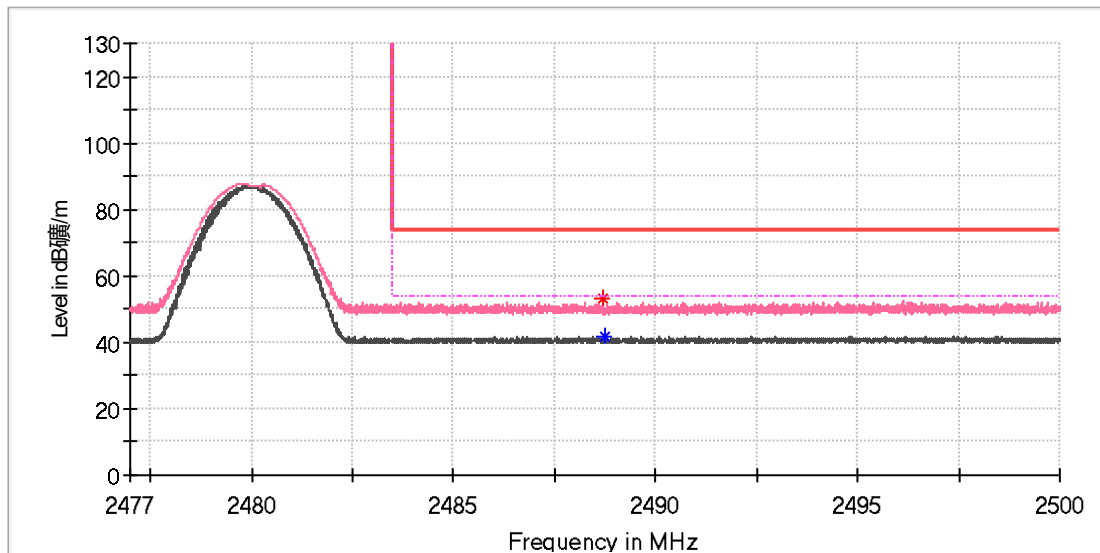


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2486.444853	---	41.94	54.00	12.06	150.0	H	207.0	9.0
2495.713235	52.90	---	74.00	21.10	150.0	H	214.0	9.0

EUT Information

EUT Name:	WIFI+BT Module
Model:	WKXT1AM2511
Test Mode:	BLE 1M_High channel
Order No/Sample No:	27233930/A004270738-001
Test Voltage:	DC 3.3V
Remark:	Temp.: 23.2°C Humi.:51%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

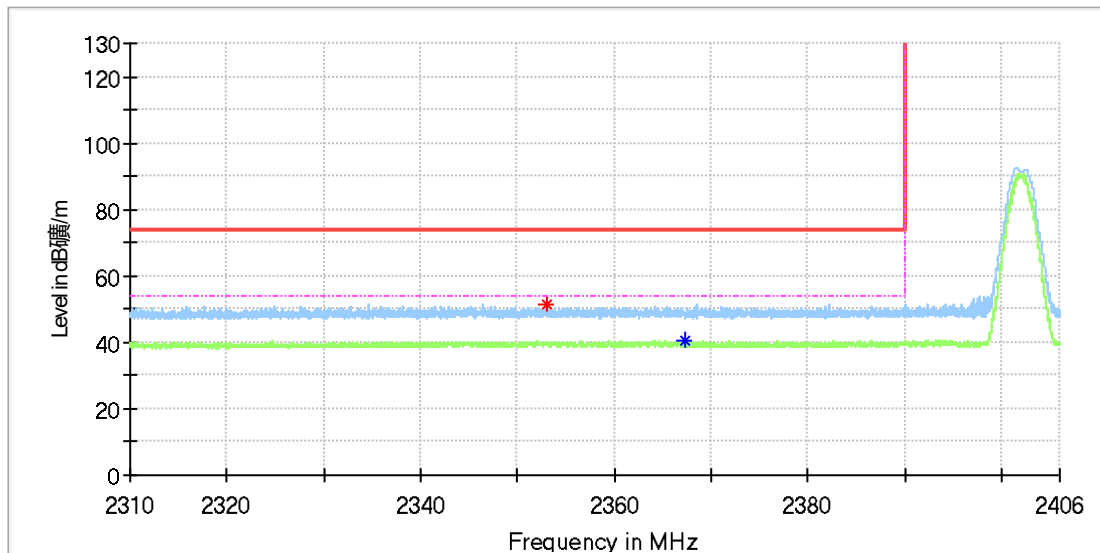


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2488.698530	53.28	---	74.00	20.72	150.0	V	208.0	9.0
2488.731618	---	41.48	54.00	12.52	150.0	V	318.0	9.0

EUT Information

EUT Name:	WIFI+BT Module
Model:	WKXT1AM2511
Test Mode:	BLE 2M_Low channel
Order No/Sample No:	27233930/A004270738-001
Test Voltage:	DC 3.3V
Remark:	Temp.: 23.2°C Humi.:51%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

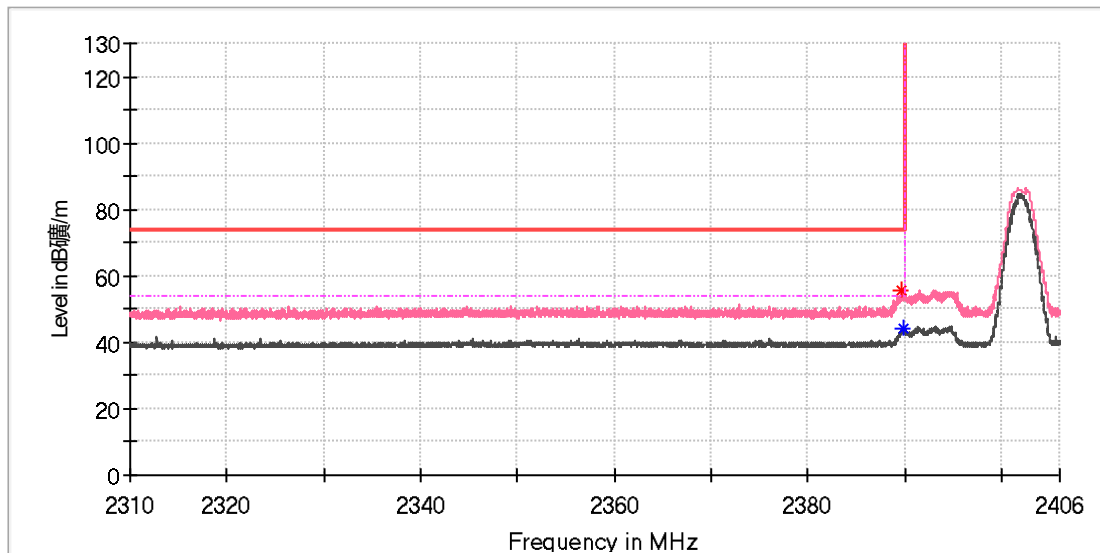


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2353.134412	51.52	---	74.00	22.48	150.0	H	254.0	8.5
2367.286765	---	40.44	54.00	13.56	150.0	H	40.0	8.5

EUT Information

EUT Name:	WIFI+BT Module
Model:	WKXT1AM2511
Test Mode:	BLE 2M_Low channel
Order No/Sample No:	27233930/A004270738-001
Test Voltage:	DC 3.3V
Remark:	Temp.: 23.2°C Humi.:51%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

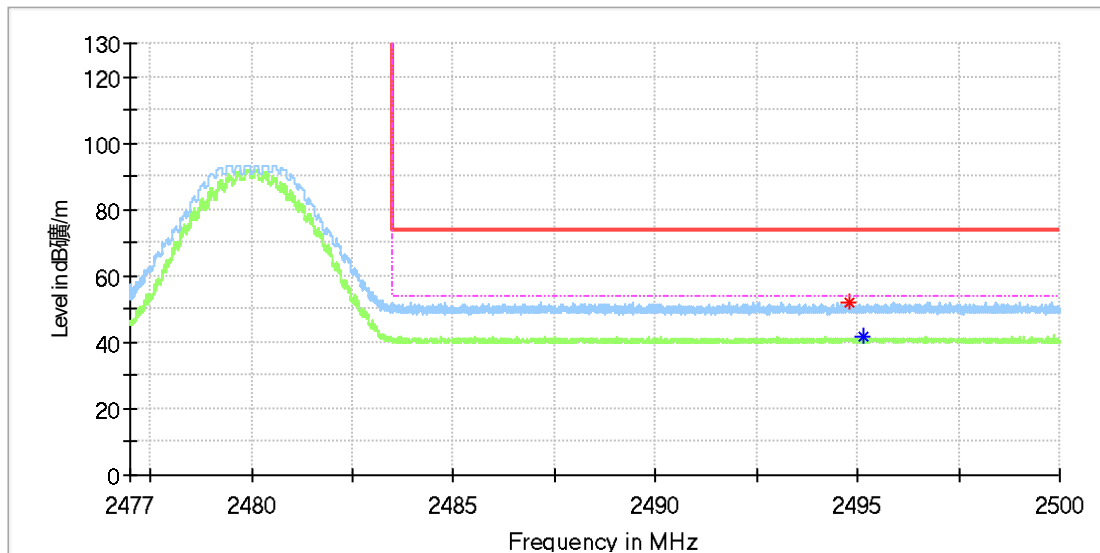


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.653824	55.88	---	74.00	18.12	150.0	V	266.0	8.5
2389.855588	---	44.41	54.00	9.59	150.0	V	259.0	8.5

EUT Information

EUT Name:	WIFI+BT Module
Model:	WKXT1AM2511
Test Mode:	BLE 2M_High channel
Order No/Sample No:	27233930/A004270738-001
Test Voltage:	DC 3.3V
Remark:	Temp.: 23.2°C Humi.:51%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

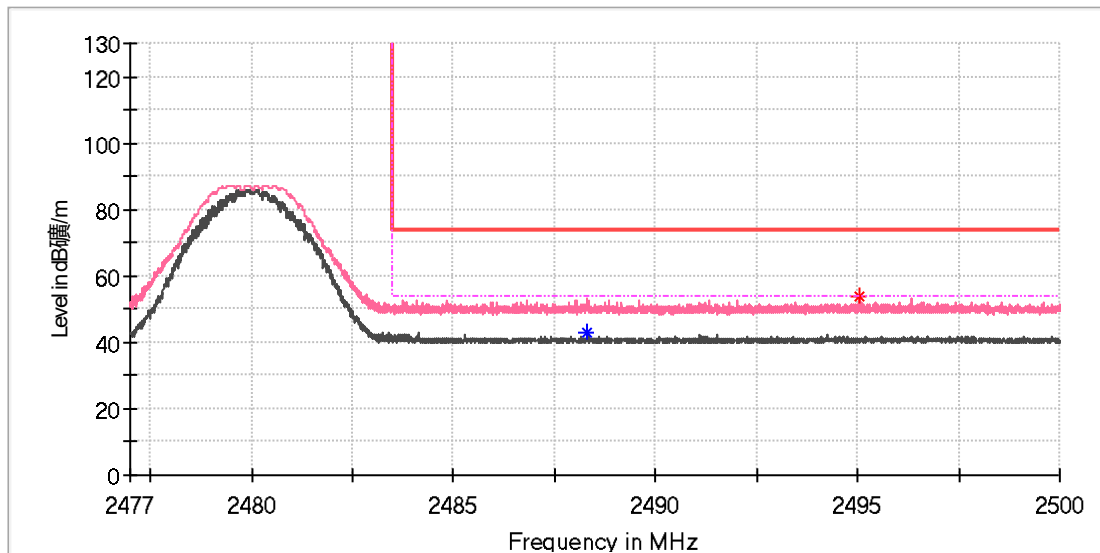


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2494.775735	52.24	---	74.00	21.76	150.0	H	228.0	9.0
2495.150735	---	41.43	54.00	12.57	150.0	H	133.0	9.0

EUT Information

EUT Name: WIFI+BT Module
Model: WKXT1AM2511
Test Mode: BLE 2M_High channel
Order No/Sample No: 27233930/A004270738-001
Test Voltage: DC 3.3V
Remark: Temp.: 23.2°C Humi.:51%
Test Standard: FCC 15.247
Tested By: Kei Zhang
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Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2488.319853	---	43.08	54.00	10.92	150.0	V	244.0	9.0
2495.062500	53.70	---	74.00	20.30	150.0	V	265.0	9.0