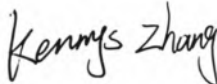
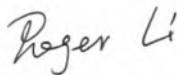
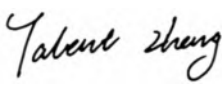


FCC AND ISCED CERTIFICATION TEST REPORT

Applicant:	Guangzhou Shikun Electronics Co., Ltd
Address:	NO.6 Liankun Road, Huangpu District, Guangzhou, China
Manufacturer:	Guangzhou Shikun Electronics Co., Ltd
Address:	NO.6 Liankun Road, Huangpu District, Guangzhou, China
Product Description:	IEEE 802.11b/g/n/a/ac/ax 2T2R WiFi Module Integrated BT 5.2
Brand Name:	N/A
Model No.:	SKO.WB920TU.6
FCC ID:	2AR82-SKOWB920TU6
IC:	24728-SKOWB920TU6
Report No.:	JCF260713071-002
Received Date:	Jul. 13, 2026
Tested Date:	Jul. 13, 2026 - Aug. 12, 2026
Issued Date:	Aug. 12, 2026
Test Standards:	FCC Rules and Regulations Part 15 Subpart C, RSS-247 Issue 4 July 2025
Test Procedure:	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024, 558074 D01 15.247 Meas Guidance v05r02, 662911 D01 Multiple Transmitter Output v02r01, RSS-Gen Issue 5 A2, Feb. 2021
Test Result:	Pass
Prepared By:  <u>Kennys Zhang/Engineer</u>	
Date: Aug. 12, 2026	
Reviewed By:  <u>Roger Li/Engineer</u>	
Date: Aug. 12, 2026	
Approved By:  <u>Talent Zhang/Engineer</u>	
Date: Aug. 12, 2026	



Note: The test results in this report apply exclusively to the tested model / sample. Without written approval of Guangzhou Jingce Testing Technology Co., Ltd. the test report shall not be reproduced except in full.

Report Revise Record

Report Version	Revise Time	Issued Date	Valid Version	Notes
--	/	Aug. 12, 2026	Original Report	/

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1. Test Report Declare

Applicant:	Guangzhou Shikun Electronics Co., Ltd
Address:	NO.6 Liankun Road, Huangpu District, Guangzhou, China
Manufacturer:	Guangzhou Shikun Electronics Co., Ltd
Address:	NO.6 Liankun Road, Huangpu District, Guangzhou, China
Product Name:	IEEE 802.11b/g/n/a/ac/ax 2T2R WiFi Module Integrated BT 5.2
Brand Name:	N/A
Model Name:	SKO.WB920TU.6
Difference Description:	N/A

We Declare:

The equipment described above is tested by Guangzhou Jingce Testing Technology Co., Ltd. and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and Guangzhou Jingce Testing Technology Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests except as provided information by clients.

2. Summary of Test Results

Summary of Test Results			
Clause	Test Items	FCC/ISED Rules	Test Results
1	6 dB Bandwidth and 99 % Occupied Bandwidth	FCC Part 15.247 (a) (2) RSS-247 Clause 6.3.1 (a) ISED RSS-Gen Clause 6.7	Pass
2	Peak Conducted Output Power & EIRP	FCC Part 15.247 (b) (3) RSS-247 Clause 6.3.2	Pass
3	Power Spectral Density	FCC Part 15.247 (e) RSS-247 Clause 6.3.1 (b)	Pass
4	Conducted Bandedge and Spurious Emission	FCC Part 15.247 (d) RSS-247 Clause 6.6	Pass
5	Radiated Bandedge and Spurious Emission	FCC Part 15.247 (d) FCC Part 15.209 FCC Part 15.205 RSS-247 Clause 6.6 RSS-GEN Clause 8.9	Pass
6	Conducted Emission Test For AC Power Port	FCC Part 15.207 RSS-GEN Clause 8.8	Pass
7	Antenna Requirement	FCC Part 15.203 RSS-GEN Clause 6.8	Pass
Note: This report was tested strictly in accordance with the standards, without any additions, deviations or omissions to the standard content.			

3. Test Laboratory

Guangzhou Jingce Testing Technology Co., Ltd.

Add.: No.10, Hefeng No.1 street, Huangpu District, Guangzhou, Guangdong, People's Republic of China

Association for Laboratory Accreditation(A2LA). Certificate Number: 6594.03

FCC Designation Number: CN1381. Test Firm Registration Number: 486550

IC Test Firm Registration Number: 31808

Conformity Assessment Body identifier: CN0173

4. Equipment Under Test

4.1. Description of EUT

EUT Name:	IEEE 802.11b/g/n/a/ac/ax 2T2R WiFi Module Integrated BT 5.2
Model Number:	SKO.WB920TU.6
EUT Function Description:	Please refer to user manual of this device
Power Supply:	DC 5± 0.5V
Sample No.:	260713071-01-01
Hardware Version:	N/A
Software Version:	N/A
Radio Specification:	Bluetooth V5.2
Operation Frequency:	2402 MHz - 2480 MHz
Modulation:	GFSK
Data Rate:	1Mbps, 2Mbps
Antenna Type:	PCB Antenna, MAX. Gain: 1.2 dBi

Note 1: EUT is the ab. of equipment under test.

Note 2: The antenna gain is declared by the customer and the laboratory is not responsible for the accuracy of the antenna gain.

4.2. Channel List

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

4.3. Test Channel Configuration

Tested mode, channel, information		
Mode	Channel	Frequency (MHz)
GFSK	LCH:CH0	2402
	MCH:CH19	2440
	HCH:CH39	2480

4.4. Test environment conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature range:	21-25 °C
Humidity range:	40-75%
Pressure range:	86-106 kPa

4.5. The Worse Case Power Setting Parameter

The Worse Case Power Setting Parameter under 2400 ~ 2483.5MHz Band				
Test Software		WCN Combo Tool		
Modulation Type	Transmit Antenna Number	Test Software Setting Value		
		CH 00	CH 19	CH 39
GFSK 1M	1	Default	Default	Default
GFSK 1M	1	Default	Default	Default

4.6. Description of Available Antennas

Test Mode	Transmit and Receive Mode	Description
GFSK	☒ 1TX, 1RX	Antenna 1 can be used as transmitting/receiving antenna.

5. Description of Test Setup

5.1. Accessory

Description of Accessories	Manufacturer	Model Number	Description	Remark
N/A	N/A	N/A	N/A	N/A

5.2. Support Equipment

Equipment	Brand Name	Model Name	P/N
PC	Lenovo	T480	/

5.3. Test Setup

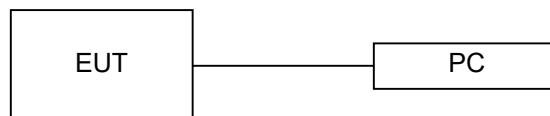
The EUT can work in Fixed Frequency mode.

5.4. Setup Diagram for Tests

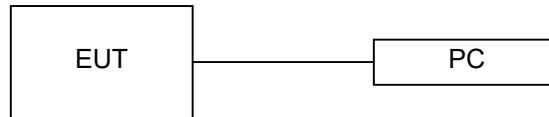
RF Connect Test:



Radiated Emission Test:



AC Power Line Conducted Emissions Test:



6. Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

Test Item	Uncertainty
AC Power Conduction emission	1.37 dB
All Radiated emissions	5.4dB
Conducted emissions	3.09 dB
Occupied Channel Bandwidth	1.1%
Conducted Output power	0.82dB
Power Spectral Density	0.82dB

Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95 % confidence level using a coverage factor of $k = 2$.

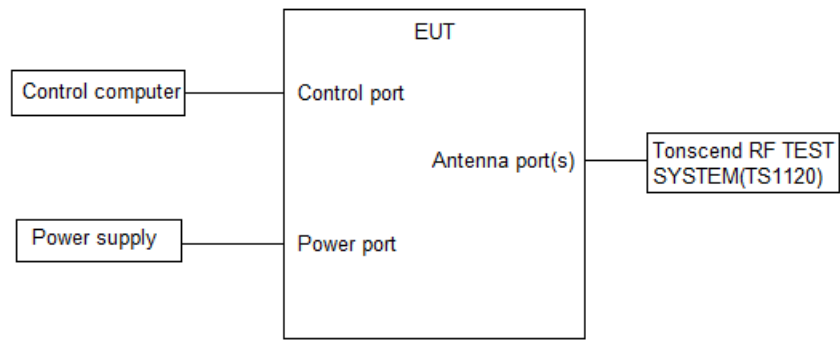
7. Measuring Instrument and Software Used

TS Test System						
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due. Date
☒	Spectrum Analyzer	Keysight	N9030B	MY56320512	Jun. 23, 2026	Jun. 22, 2027
☒	Vector Signal Generator	Keysight	N5182B	MY57300334	Jun. 23, 2026	Jun. 22, 2027
☒	Signal Generator	Keysight	N5171B	MY57280639	Jun. 23, 2026	Jun. 22, 2027
☒	DC POWER	Keysight	E342A	MY59020356	Jun. 24, 2026	Jun. 23, 2027
☒	Incubator thermometer	GWS	EL-02JA	21107288	Jun. 23, 2026	Jun. 22, 2027
☒	Control unit(Power sensor)	Tonscend	JS0806-2	20L8060342	Jun. 24, 2026	Jun. 23, 2027
☒	Spectrum Analyzer	Keysight	N9020B	MY60112206	Aug. 29, 2025	Aug. 30, 2026
☒	Control unit(Power sensor)	Tonscend	JS0806-2	21H8060465	Jun. 24, 2026	Jun. 23, 2027
☒	Spectrum Analyzer	Keysight	N9020B	MY60112811	Jun. 23, 2026	Jun. 22, 2027
☒	Signal Generator	Keysight	N5173B	MY62220145	Jun. 23, 2026	Jun. 22, 2027
☒	Vector Signal Generator	Keysight	N5182B	MY61252859	Jun. 23, 2026	Jun. 22, 2027
☒	DC POWER	Keysight	E3642A	MY40005294	Jun. 24, 2026	Jun. 23, 2027
☒	Control unit(Power sensor)	Tonscend	JS0806-2	24F80620865	Jun. 25, 2026	Jun. 24, 2027
Software						
Used	Description	Manufacturer	Name		Version	
☒	Test software	Tonscend	JS1120-3		V3.3.10	

RSE Test System						
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due. Date
☒	EMI Receiver	R&S	ESR26	101424	Nov. 25, 2025	Nov. 24, 2026
☒	Hybrid Antenna	Schwarzbeck	VULB9163	01361	May. 26, 2026	May. 25, 2027
☒	Horn Antenna 1	Schwarzbeck	BBHA 9120 D	02910	Aug. 31, 2025	Aug. 30, 2026
☒	Horn Antenna 1	Schwarzbeck	BBHA 9120 D	02910	Jul. 17, 2026	Jul. 16, 2027
☒	Horn Antenna 2	ETS	BBHA 9170	1090	Aug. 31, 2025	Aug. 30, 2026
☒	Horn Antenna 2	ETS	BBHA 9170	1090	Jul. 17, 2026	Jul. 16, 2027
☒	loop-antenna	Schwarzbeck	FMZB 1513-60	00030	Jan. 11, 2026	Jan. 10, 2027
☒	Test path	/	Path2: WIFI-2.4G 1-3GHz	/	Jun. 24, 2026	Jun. 23, 2027
☒	Test path	/	Path7: ALL PASS 1-18GHz	/	Jun. 24, 2026	Jun. 23, 2027
☒	Test path	/	Path9: 3GHz High PASS 3-18GHz	/	Jun. 24, 2026	Jun. 23, 2027
☒	Test path	/	Path16: 30MHz-1GHz ALL PASS NO AMP	/	Jun. 24, 2026	Jun. 23, 2027
☒	Signal Pre-Amplifier	ETS	3116C-PA	00217677	Jul. 17, 2026	Jul. 16, 2027
☒	3m Fully-anechoic Chamber	YIHENG	9m*6m*6m	001	Sep. 05, 2023	Sep. 04, 2026
Software						
Used	Description	Manufacturer	Name		Version	
☒	Test software	Tonscend	TS+		V5.0.0.0	
Conducted Emission Test For AC Power Port						
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due. Date
☒	LISN	R&S	ENV216	102509	Jun. 23, 2026	Jun. 22, 2027
☒	EMI Receiver	R&S	ESR	102154	Jun. 10, 2026	Jun. 09, 2027
Software						
Used	Description	Manufacturer	Name		Version	
☒	Test software	EZ	EZ-EMC		EMEC-3A1	
Other Instrument						
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due. Date
☒	Temperature & Humidity	Temperature	HTC-1	/	Sep. 20, 2025	Sep. 21, 2026

8. On Time and Duty Cycle

8.1. Block diagram of test setup



Note: The EUT is connected to the Control unit, and then the signal is transmitted through internal circuits to the Spectrum Analyzer.

8.2. Limits

None; for reporting purposes only

8.3. Procedure

KDB 558074 Zero-Span Spectrum Analyzer Method

8.4. Results

Test Mode	Ant.	Freq. (MHz)	ON Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)
BLE_1M	Ant1	2402	2.13	2.50	85.20	0.70
		2440	2.13	2.50	85.20	0.70
		2480	2.13	2.50	85.20	0.70
BLE_2M	Ant1	2402	1.07	1.88	56.91	2.45
		2440	1.07	1.88	56.91	2.45
		2480	1.07	1.87	57.22	2.42

Note1: Duty Cycle Correction Factor = 10log(1/x).
Note2: Offset=cable loss + Test system insertion loss
Where: x is Duty Cycle(Linear)
Where: T is On Time (transmit duration)
If that calculated VBW is not available on the analyzer, then the next higher value should be used.

8.5. Original test data

BLE_1M_Ant1_2402





9. 6 dB DTS Bandwidth and 99 % Bandwidth

9.1. Block diagram of test setup

Same as section 8.1

9.2. Limits

CFR 47FCC Part15 (15.247) Subpart C ISED RSS-247 ISSUE 4			
Section	Test Item	Limit	Frequency Range (MHz)
CFR 47 FCC 15.247(a)(2) ISED RSS-247 6.3.1	6 dB Bandwidth	≥ 500 kHz	2400-2483.5
ISED RSS-Gen Clause 6.7	99 % Occupied Bandwidth	For reporting purposes only.	2400-2483.5

9.3. Test Procedure

Connect the UUT to the spectrum analyzer and use the following settings:

Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	For 6 dB Bandwidth: 1 % to 5 % of the occupied bandwidth but not less than 100 kHz. For 99 % Occupied Bandwidth :1 % to 5 % of the occupied bandwidth
VBW	For 6 dB Bandwidth : $\geq 3 \times$ RBW For 99 % Occupied Bandwidth: $\geq 3 \times$ RBW
Trace	Max hold
Sweep	Auto couple

Allow the trace to stabilize and measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB/99 % relative to the maximum level measured in the fundamental emission.

9.4. Results

Test Mode	Ant.	Freq. (MHz)	DTS BW (MHz)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
BLE_1M	Ant1	2402	0.696	2401.652	2402.348	0.5	PASS
		2440	0.724	2439.632	2440.356	0.5	PASS
		2480	0.708	2479.636	2480.344	0.5	PASS
BLE_2M	Ant1	2402	1.216	2401.368	2402.584	0.5	PASS
		2440	1.252	2439.336	2440.588	0.5	PASS
		2480	1.144	2479.432	2480.576	0.5	PASS

Note: Offset=cable loss + Test system insertion loss

Test Mode	Antenna	Frequency (MHz)	OCB (MHz)	FL(MHz)	FH(MHz)	Limit(MHz)	Verdict
BLE_1M	Ant1	2402	1.0392	2401.4864	2402.5256	---	---
		2440	1.0393	2439.4863	2440.5256	---	---
		2480	1.0320	2479.4878	2480.5198	---	---
BLE_2M	Ant1	2402	2.0528	2400.9902	2403.0430	---	---
		2440	2.0643	2438.9860	2441.0503	---	---
		2480	2.0776	2478.9770	2481.0546	---	---

Note: Offset=cable loss + Test system insertion loss

9.5. Original test data

6 dB bandwidth:

BLE_1M_Ant1_2402





BLE 2M Ant1 2440



BLE 2M Ant1 2480



99% bandwidth

BLE 1M Ant1 2402



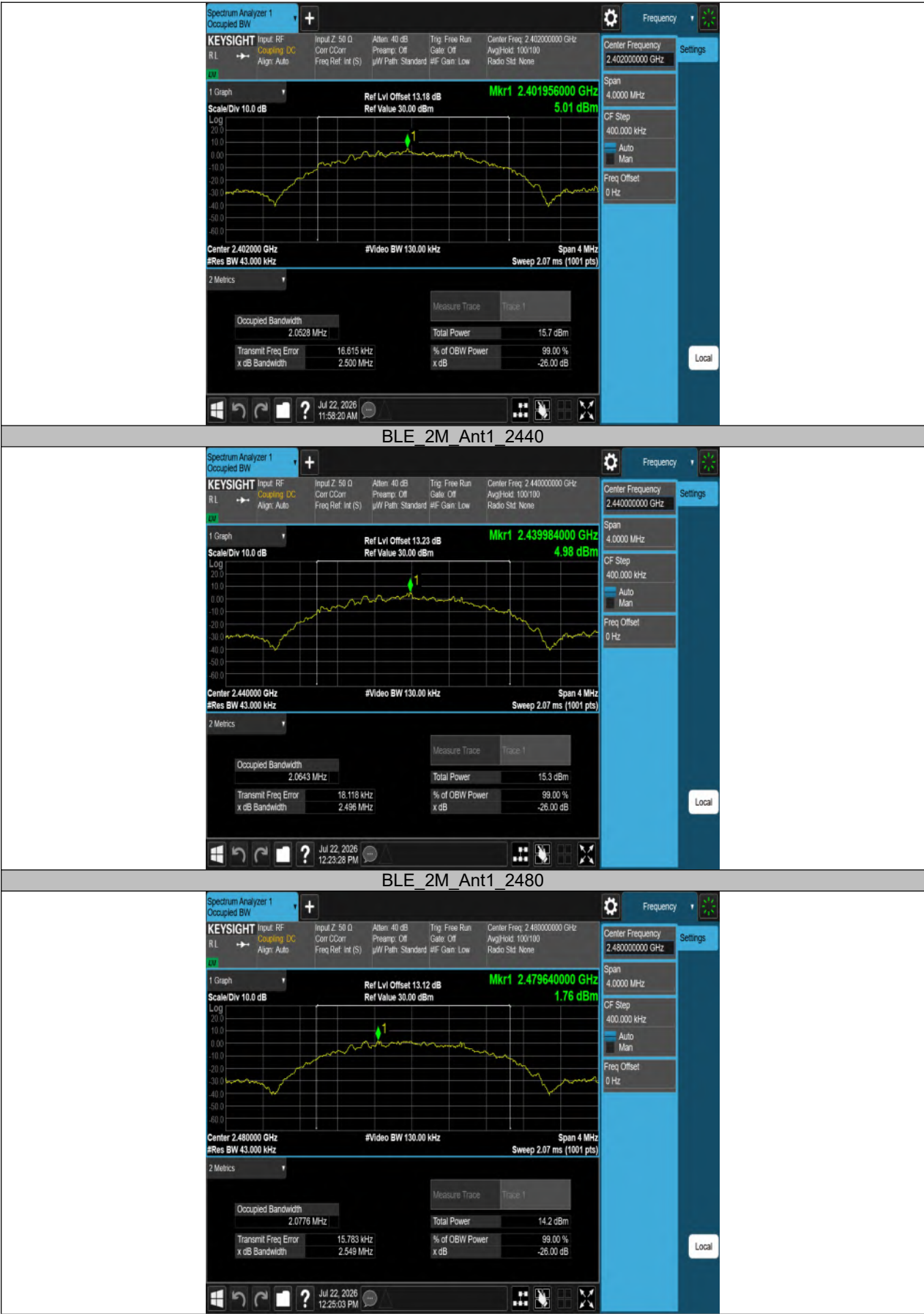
BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



BLE_2M_Ant1_2402



10. Peak Conducted Output Power

10.1. Block diagram of test setup

Same as section 8.1

10.2. Limits

CFR 47 FCC Part15 (15.247) Subpart C ISED RSS-247 ISSUE 4			
Section	Test Item	Limit	Frequency Range (MHz)
CFR 47 FCC 15.247(b)(3) ISED RSS-247 6.3.2	Peak Output Power	1 watt or 30 dBm	2400 - 2483.5
ISED RSS-247 6.3.2	EIRP	4 watt or 36dBm	2400 - 2483.5

10.3. Test Procedure

The following procedure shall be used when an instrument with a resolution bandwidth that is greater than the DTS bandwidth is available to perform the measurement:

Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	$RBW \geq DTS \text{ bandwidth}$
VBW	$VBW \geq 3 \times RBW$
Span	$Span \geq 3 \times RBW$
Trace	Max hold
Sweep	Auto couple

10.4. Results

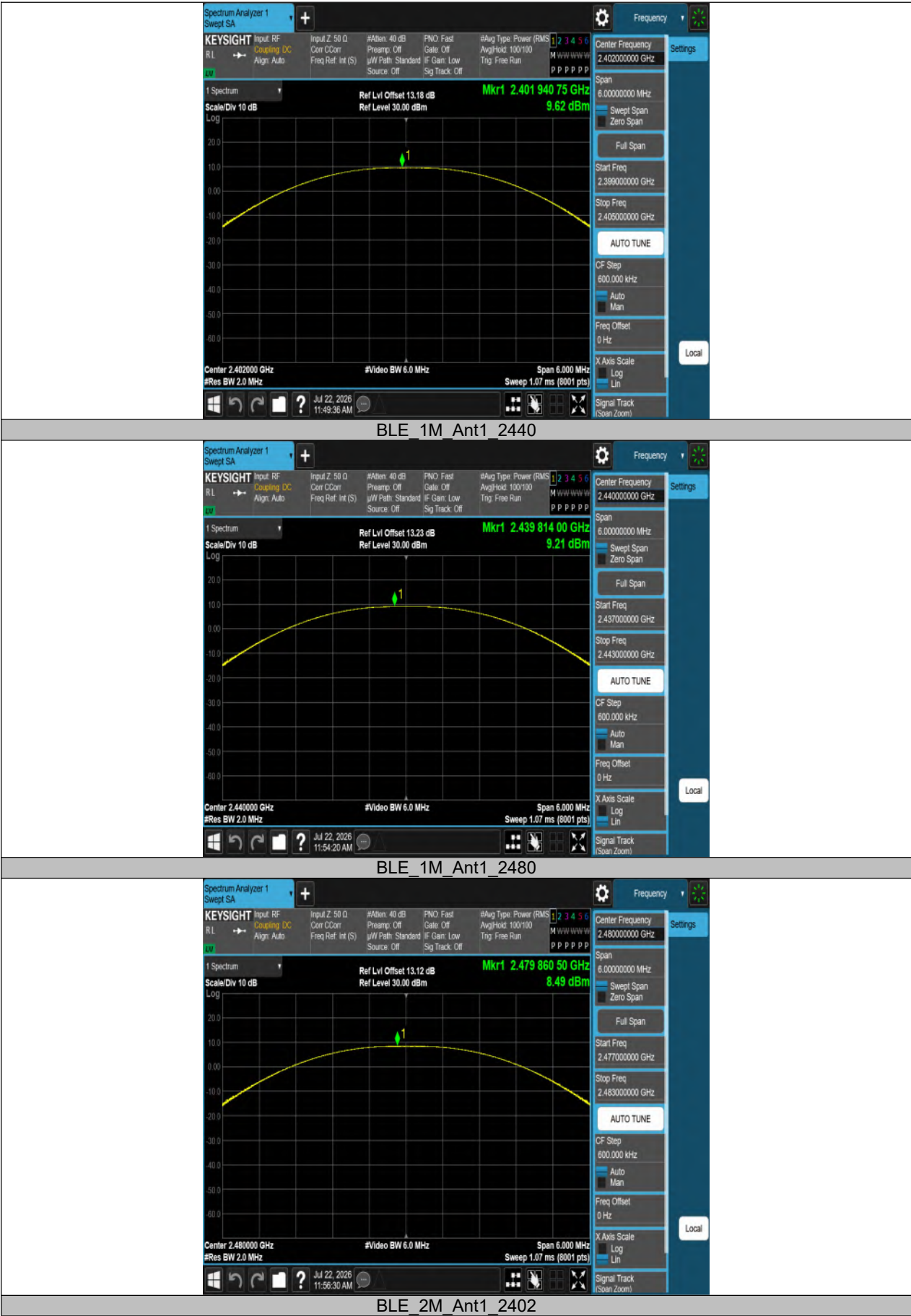
Test Mode	Ant.	Freq (MHz)	Conducted Peak Power (dBm)	Conducted Limit (dBm)	Gain(dBm)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
BLE_1M	Ant1	2402	9.62	≤ 30	1.20	10.82	≤ 36	PASS
		2440	9.21	≤ 30	1.20	10.41	≤ 36	PASS
		2480	8.49	≤ 30	1.20	9.69	≤ 36	PASS
BLE_2M	Ant1	2402	9.65	≤ 30	1.20	10.85	≤ 36	PASS
		2440	9.24	≤ 30	1.20	10.44	≤ 36	PASS
		2480	8.53	≤ 30	1.20	9.73	≤ 36	PASS

Note1: The EIRP = Peak Power + Ant. Gain

Note2: Offset=cable loss + Test system insertion loss

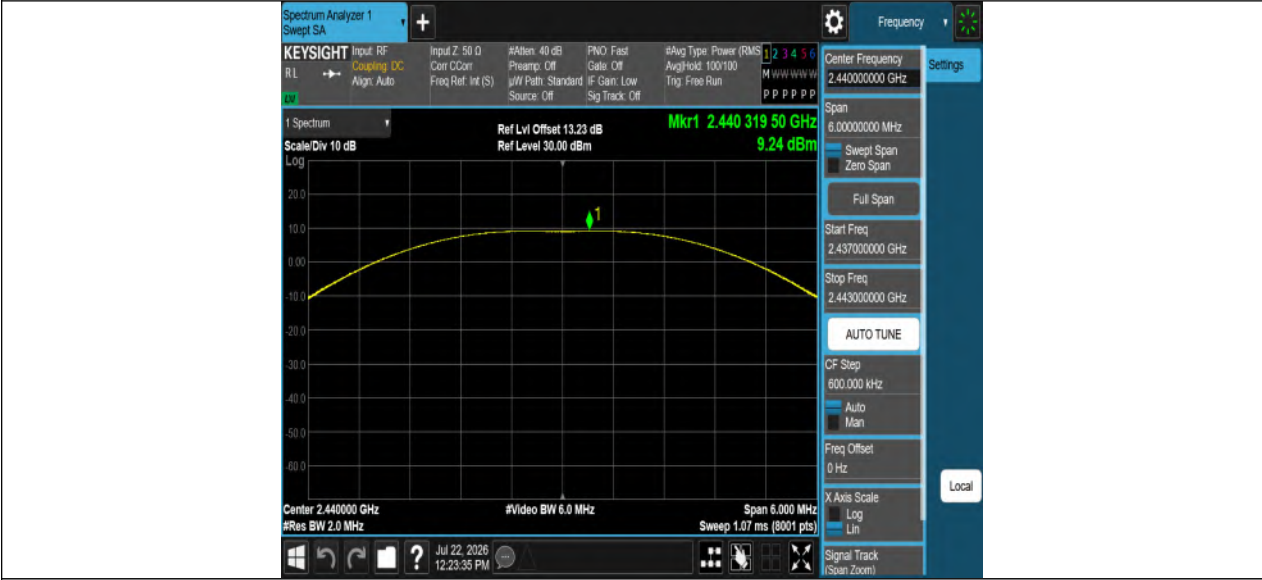
10.5. Original test data

BLE_1M_Ant1_2402

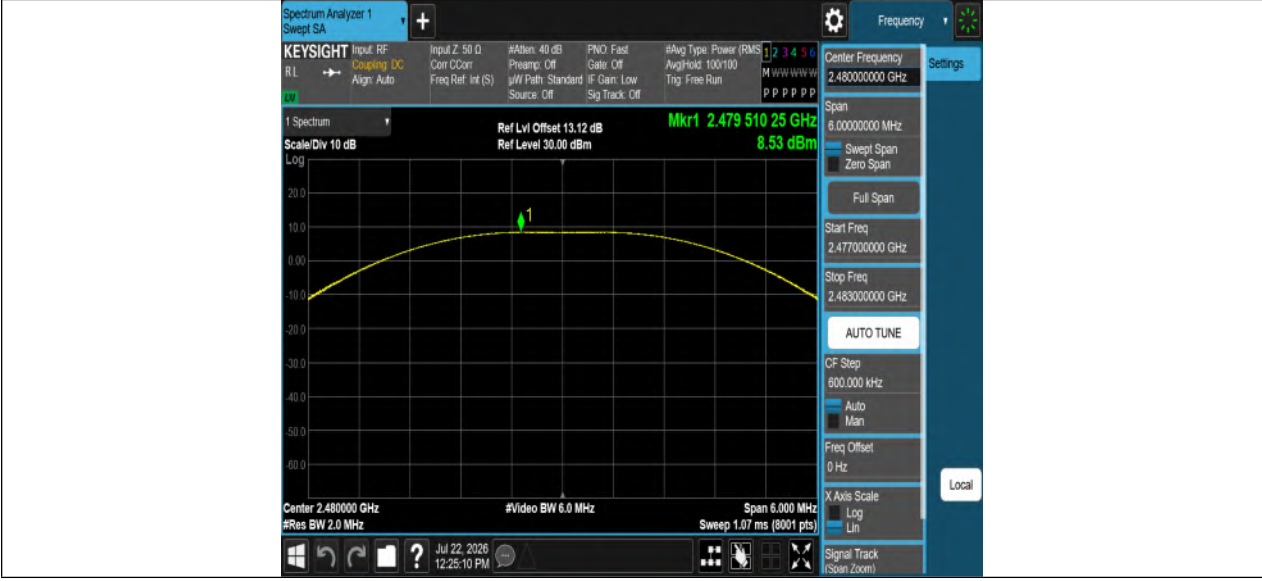




BLE 2M Ant1_2440



BLE 2M Ant1_2480



11. Power Spectral Density

11.1. Block diagram of test setup

Same as section 8.1

11.2. Limits

CFR 47 FCC Part15 (15.247) Subpart C ISED RSS-247 ISSUE 4			
Section	Test Item	Limit	Frequency Range (MHz)
CFR 47 FCC §15.247 (e) ISED RSS-247 6.3.1	Power Spectral Density	8 dBm in any 3 kHz band	2400 - 2483.5

11.3. Test Procedure

Connect the UUT to the spectrum analyzer and use the following settings:

Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	$3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$
VBW	$\geq 3 \times \text{RBW}$
Span	1.5 x DTS bandwidth
Trace	Max hold
Sweep time	Auto couple.

Allow trace to fully stabilize and use the peak marker function to determine the maximum amplitude level within the RBW.

If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

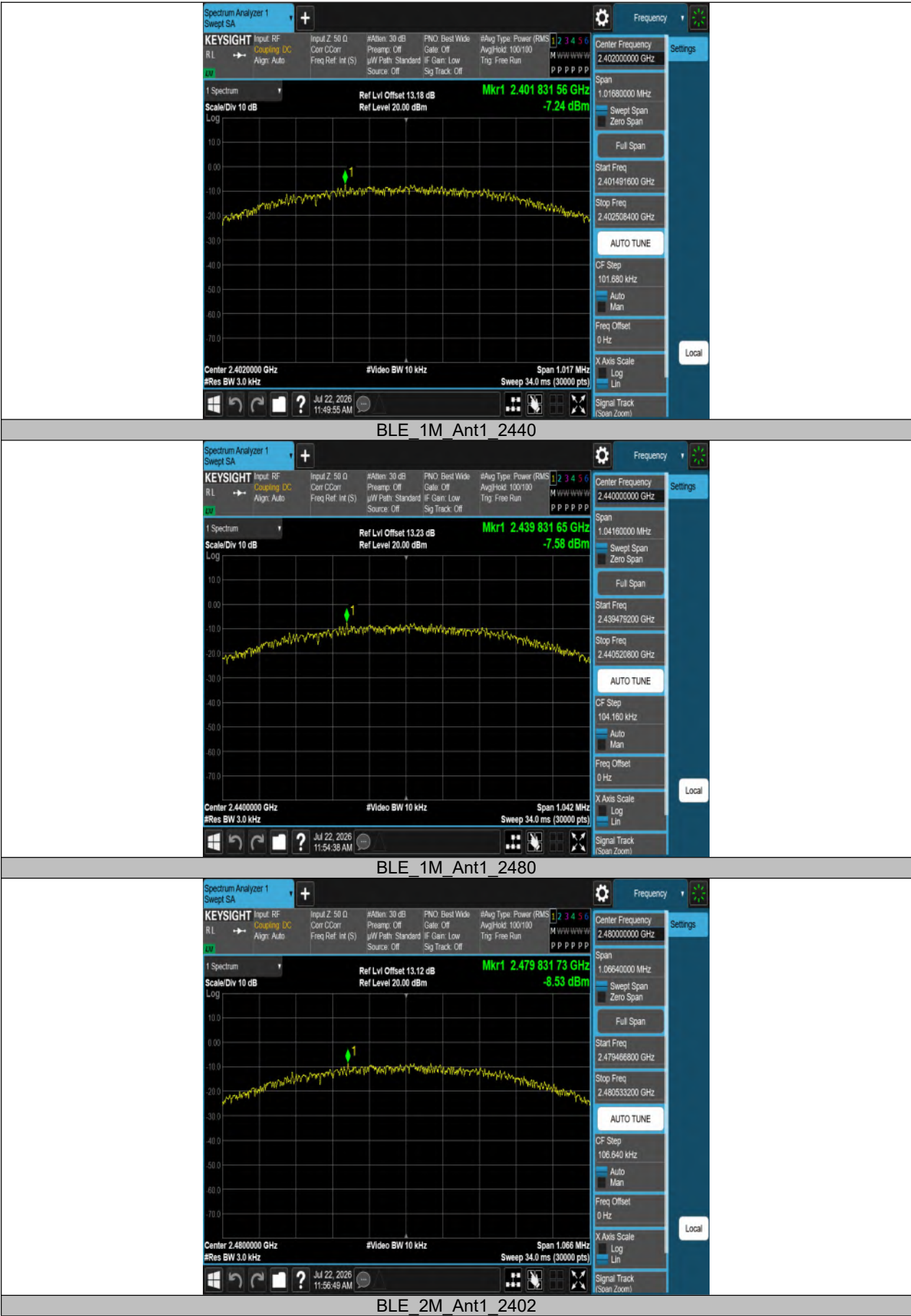
11.4. Results

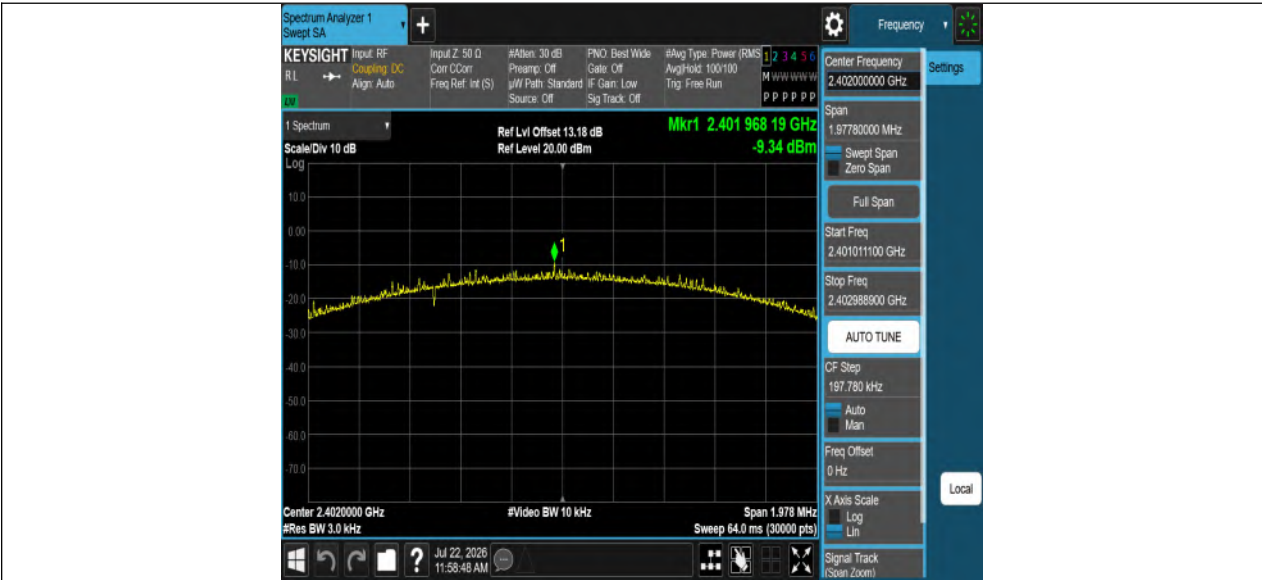
Test Mode	Ant.	Freq. (MHz)	Result (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
BLE_1M	Ant1	2402	-7.24	≤ 8.00	PASS
		2440	-7.58	≤ 8.00	PASS
		2480	-8.53	≤ 8.00	PASS
BLE_2M	Ant1	2402	-9.34	≤ 8.00	PASS
		2440	-9.58	≤ 8.00	PASS
		2480	-10.64	≤ 8.00	PASS

Note: Offset=cable loss + Test system insertion loss

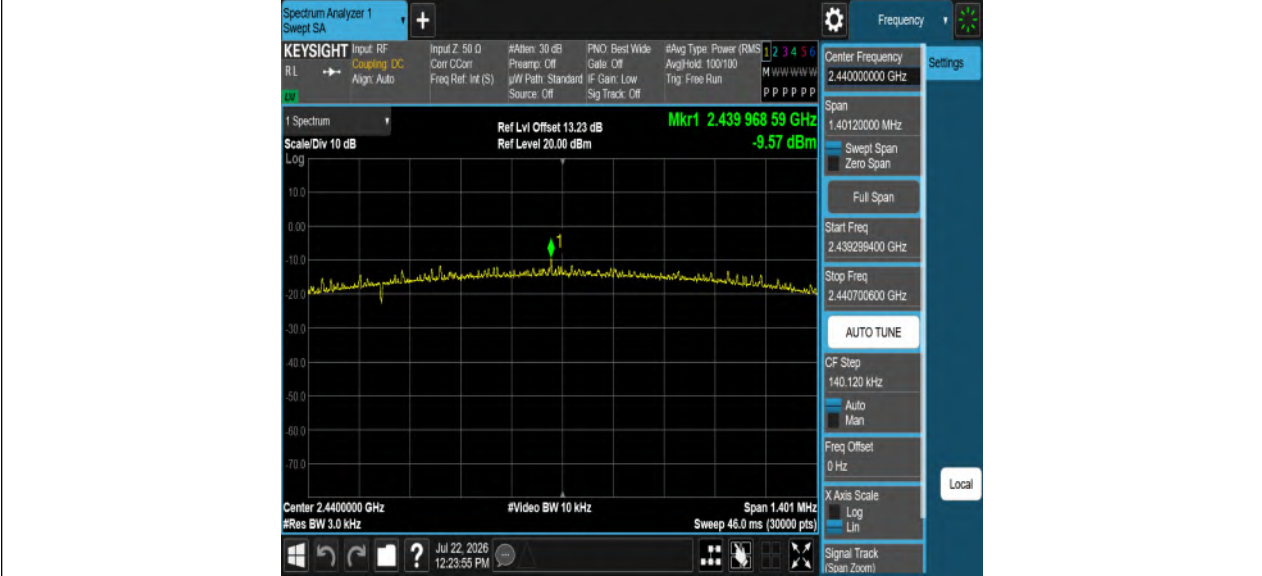
11.5. Original test data

BLE_1M_Ant1_2402

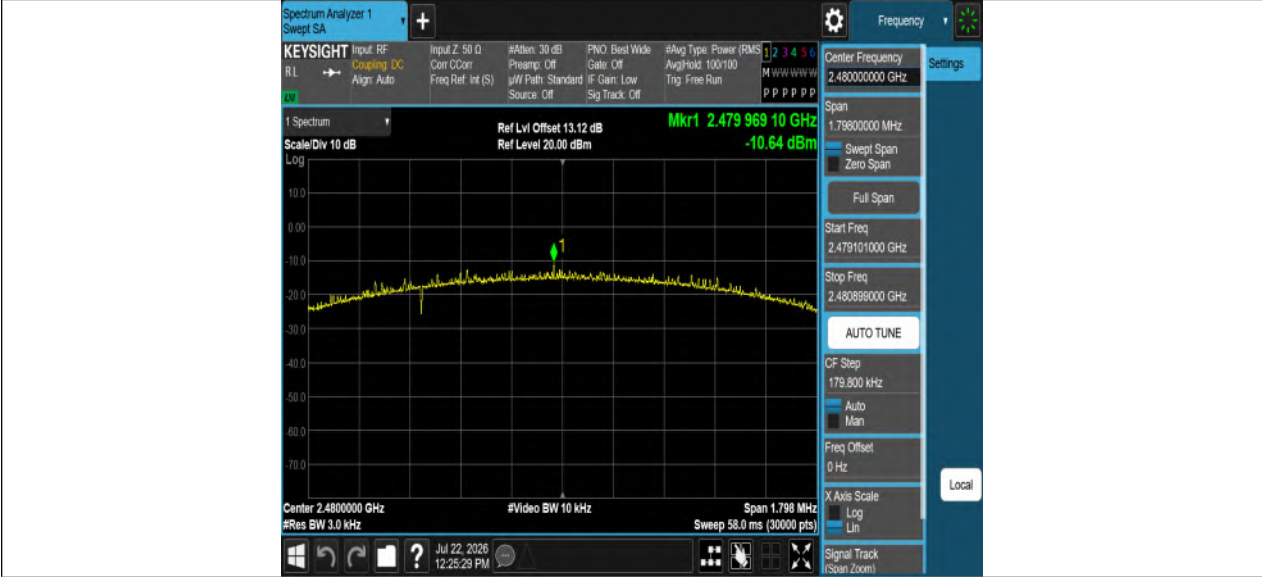




BLE_2M_Ant1_2440



BLE_2M_Ant1_2480



12. Conducted Bandedge and Spurious Emissions

12.1. Block diagram of test setup

Same as section 8.1

12.2. Limits

CFR 47 FCC Part15 (15.247) Subpart C ISED RSS-247 ISSUE 4		
Section	Test Item	Limit
CFR 47 FCC §15.247 (d) ISED RSS-247 6.6	Conducted Band edge and Spurious Emissions	at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power

12.3. Test Procedure

Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	100 kHz
VBW	$\geq 3 \times \text{RBW}$
Span	$\geq 1.5 \times \text{DTS bandwidth}$
Trace	Max hold
Sweep time	Auto couple

Connect the UUT to the spectrum analyzer and use the following settings:

Use the peak marker function to determine the maximum peak power level to establish the reference level.

Span	Set the center frequency and span to encompass frequency range to be measured
Detector	Peak
RBW	100 kHz
VBW	$\geq 3 \times \text{RBW}$
measurement points	$\geq \text{span/RBW}$
Trace	Max hold
Sweep time	Auto couple

Use the peak marker function to determine the maximum amplitude level.

12.4. Results

Band edge

Test Mode	Ant.	Ch Name	Freq. (MHz)	Ref Level (dBm)	Result (dBm)	Limit (dBm)	Verdict
BLE_1M	Ant1	Low	2402	8.60	-46.83	≤ -11.4	PASS
		High	2480	7.19	-46.9	≤ -12.81	PASS
BLE_2M	Ant1	Low	2402	5.69	-23.65	≤ -14.31	PASS
		High	2480	6.30	-46.24	≤ -13.7	PASS

Note: Offset=cable loss + Test system insertion loss

Spurious Emissions

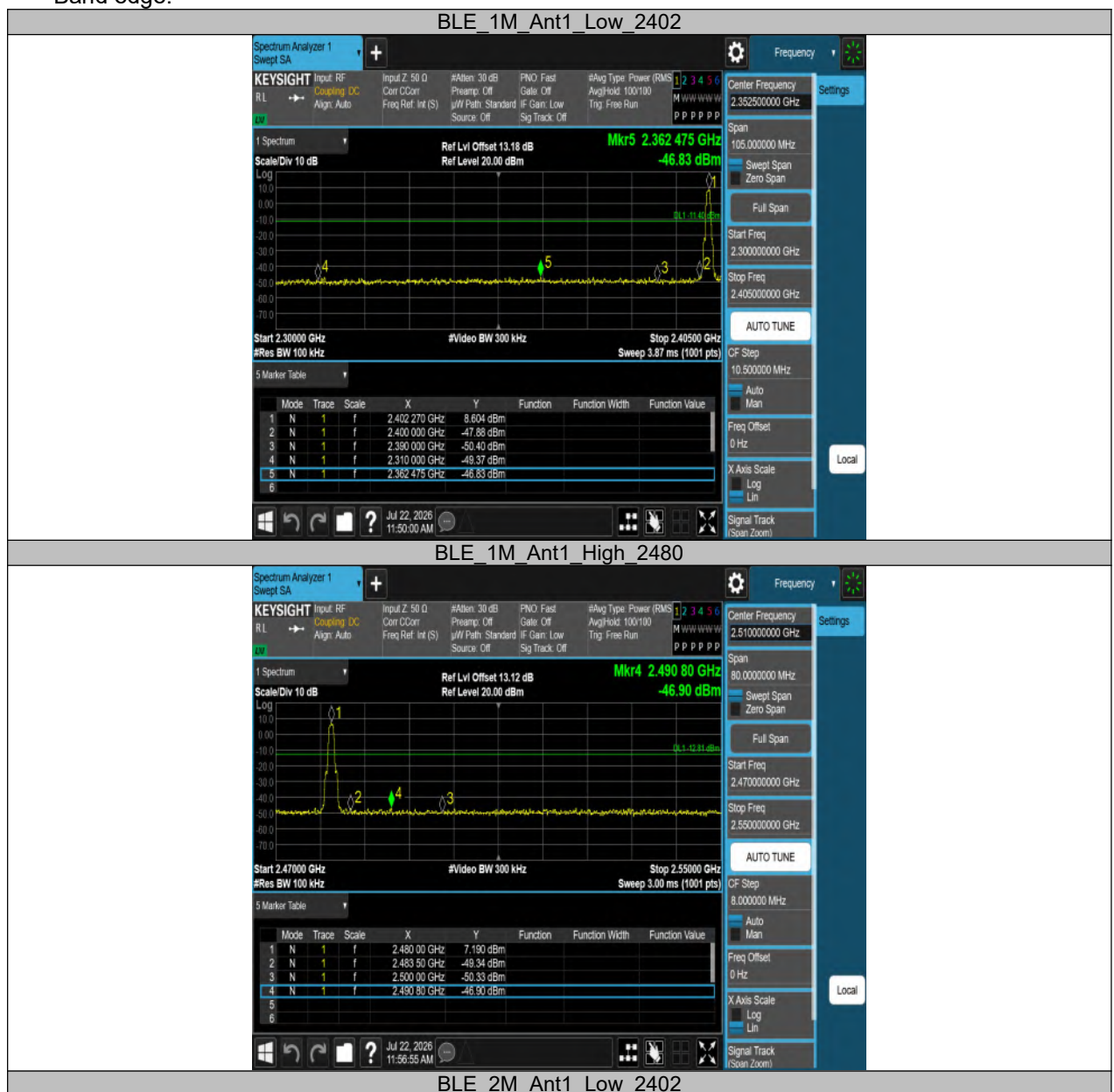
Test Mode	Ant.	Freq. (MHz)	Freq Range (MHz)	Ref Level (dBm)	Result (dBm)	Limit (dBm)	Verdict
BLE_1M	Ant1	2402	Reference	7.98	7.98	---	PASS

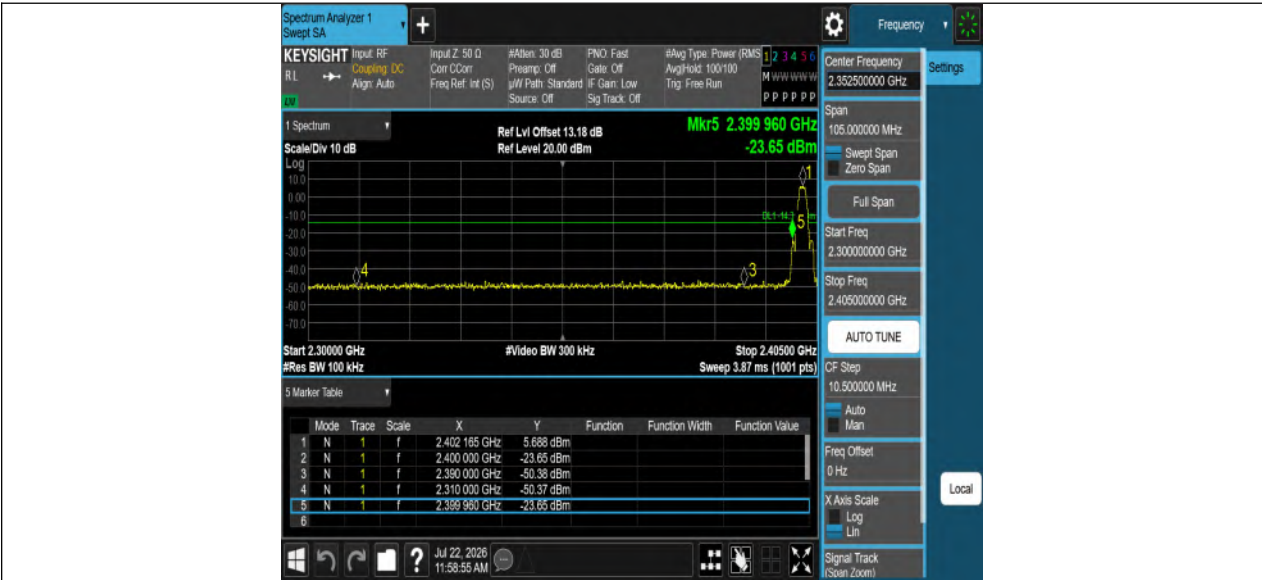
BLE_2M	Ant1	2440	30~1000	7.98	-60.1	≤-22.02	PASS
			1000~26500	7.98	-46.31	≤-22.02	PASS
			Reference	7.40	7.40	---	PASS
			30~1000	7.40	-59.89	≤-22.6	PASS
			1000~26500	7.40	-46.46	≤-22.6	PASS
			Reference	8.17	8.17	---	PASS
		2480	30~1000	8.17	-60.77	≤-21.83	PASS
			1000~26500	8.17	-46.52	≤-21.83	PASS
			Reference	5.60	5.60	---	PASS
		2402	30~1000	5.60	-60.76	≤-24.4	PASS
			1000~26500	5.60	-46.61	≤-24.4	PASS
		2440	Reference	5.26	5.26	---	PASS
			30~1000	5.26	-60.57	≤-24.74	PASS
			1000~26500	5.26	-46.78	≤-24.74	PASS
		2480	Reference	4.89	4.89	---	PASS
			30~1000	4.89	-61.03	≤-25.11	PASS
			1000~26500	4.89	-46.42	≤-25.11	PASS

Note: Offset=cable loss + Test system insertion loss

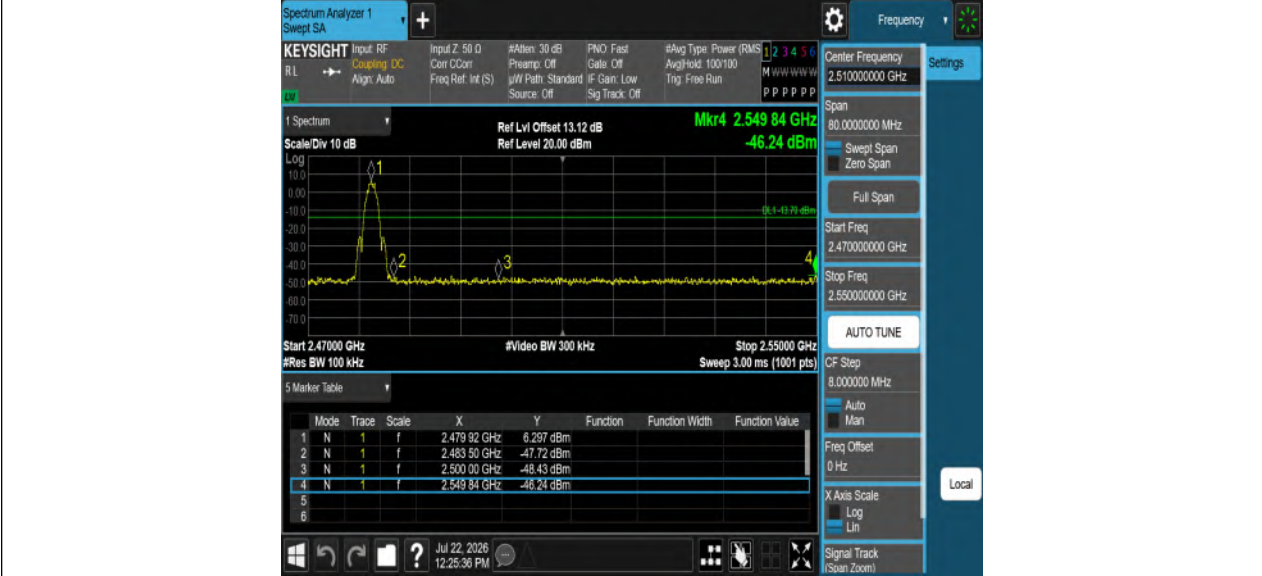
12.5. Original test data

Band edge:





BLE 2M Ant1 High 2480

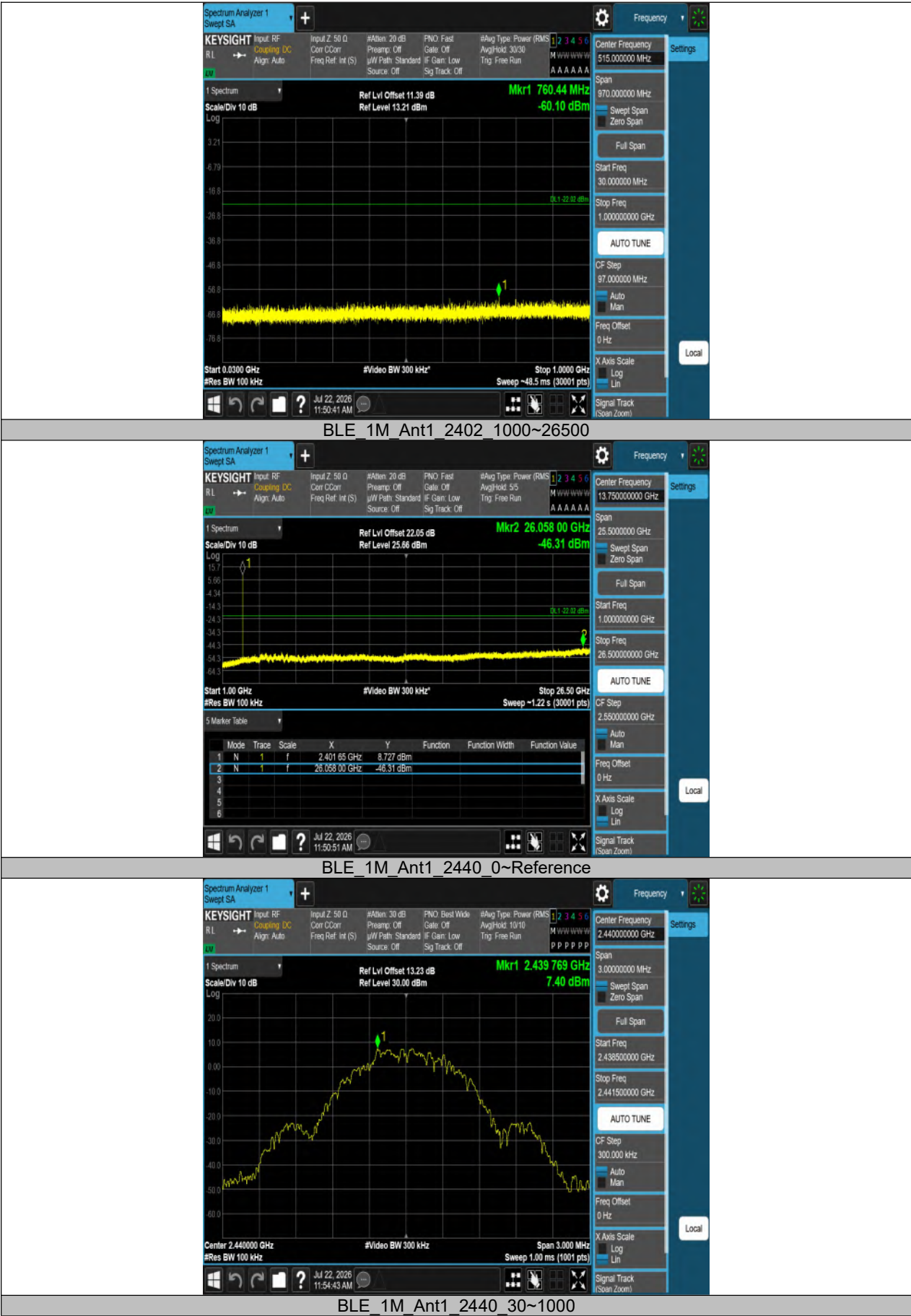


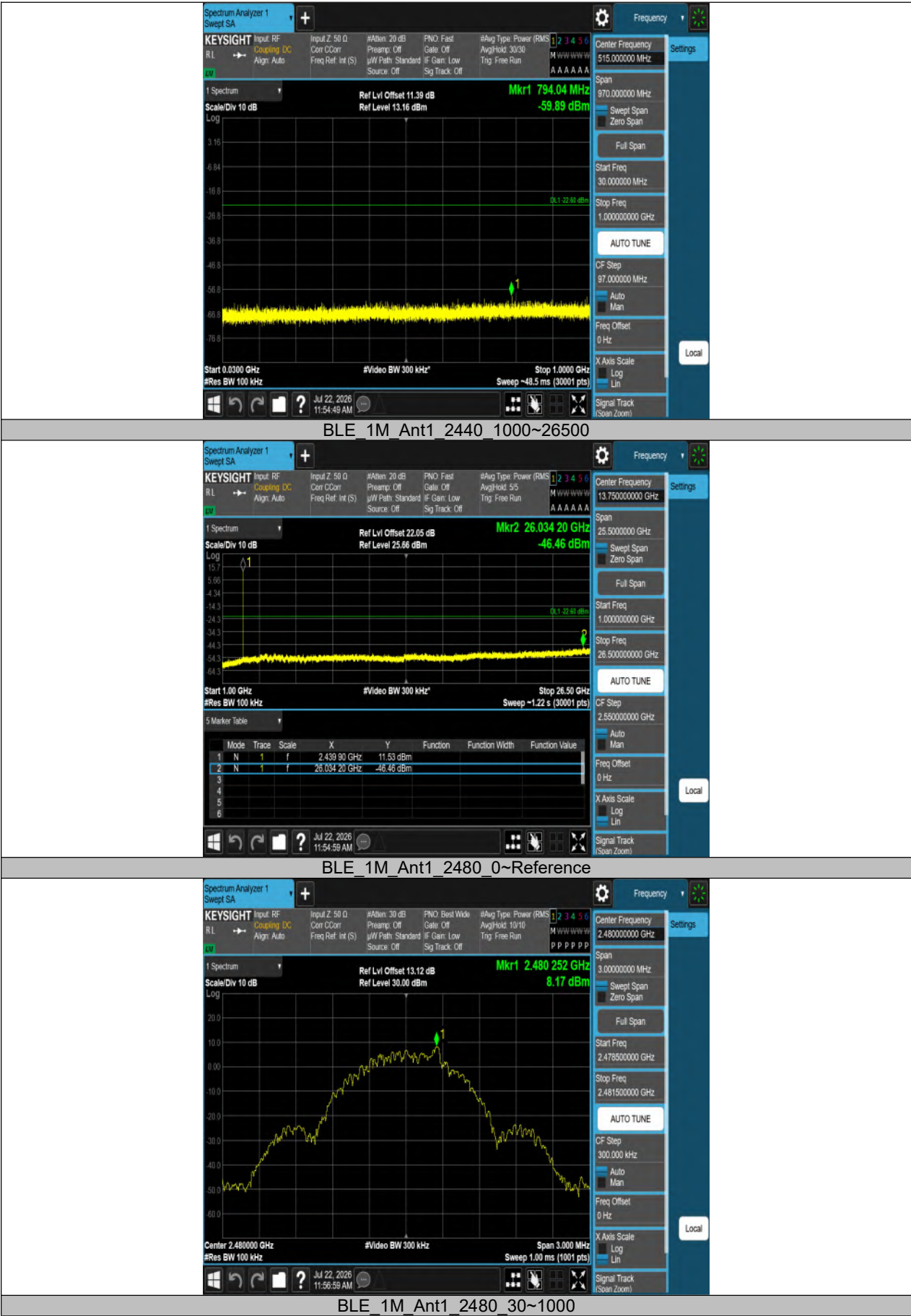
Spurious Emissions:

BLE 1M Ant1 2402 0~Reference



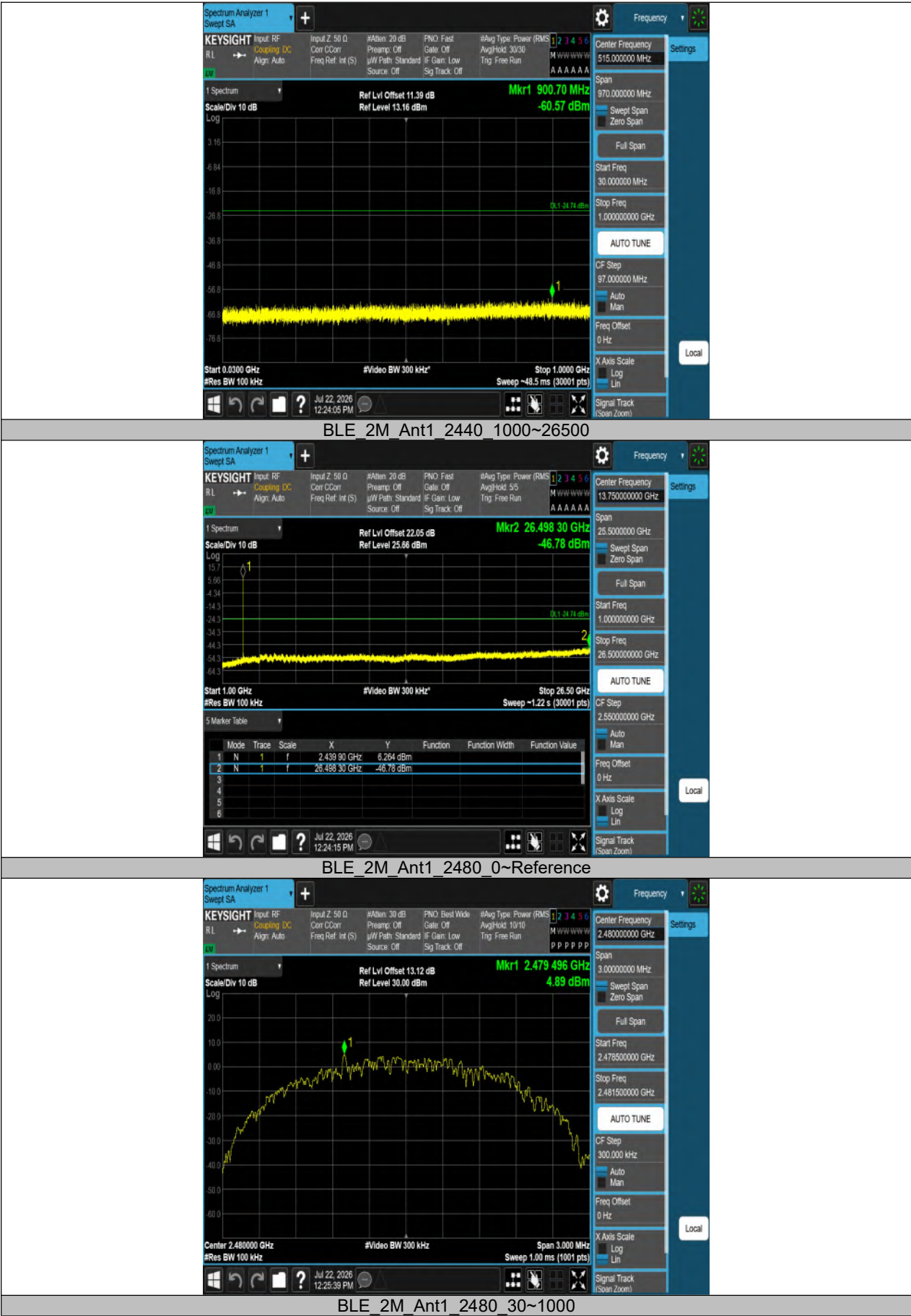
BLE 1M Ant1 2402 30~1000









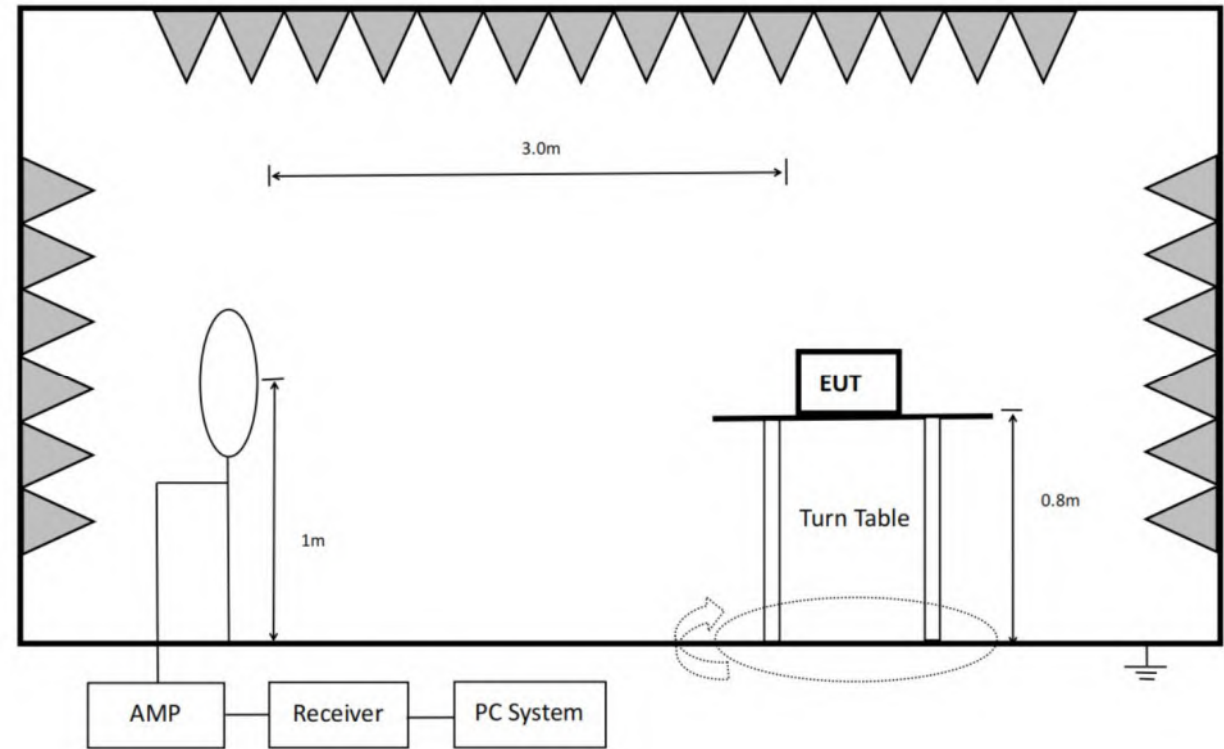




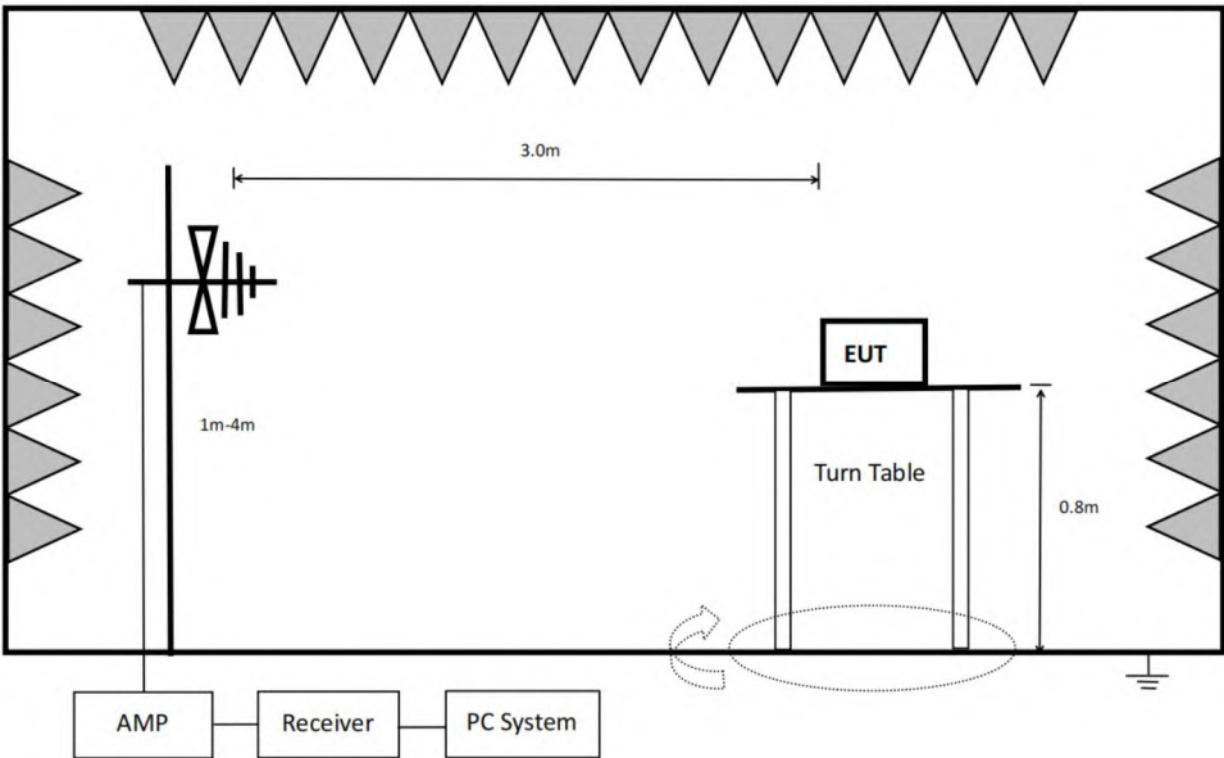
13. Radiated Emission

13.1. Block diagram of test setup

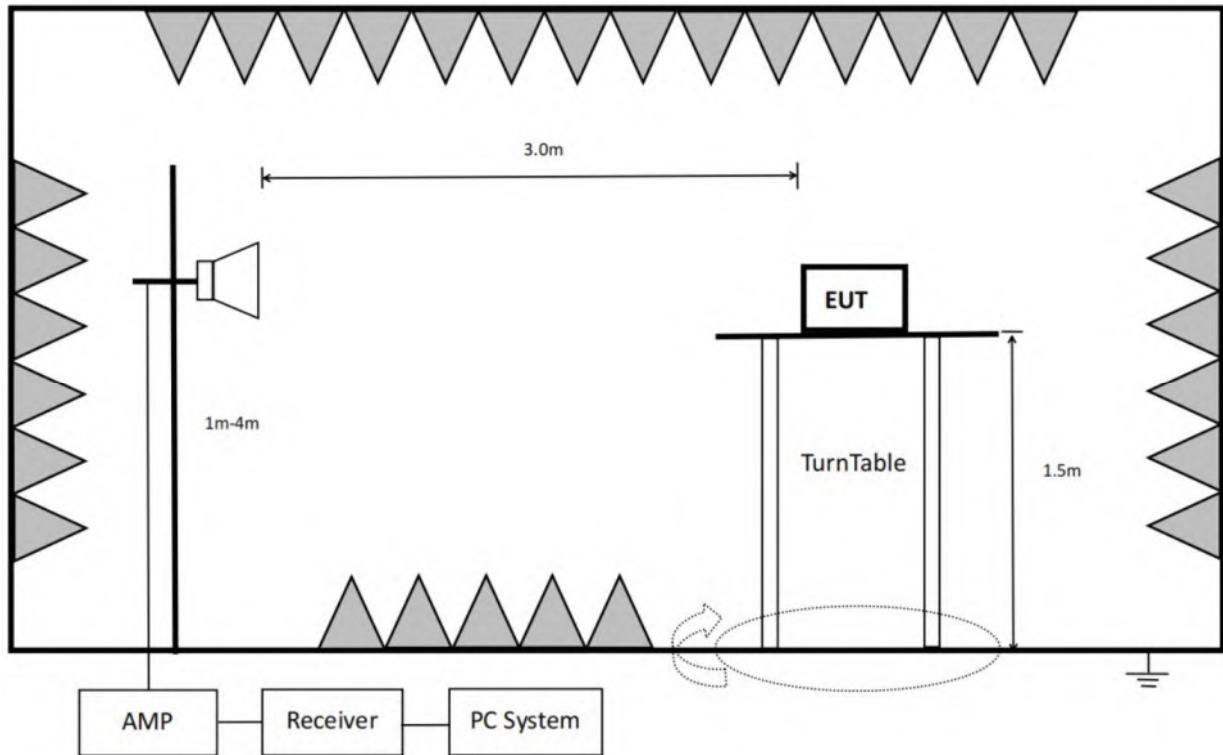
In 3 m Anechoic Chamber, test setup diagram for 9 kHz - 30 MHz:



In 3 m Anechoic Chamber, test setup diagram for 30 MHz - 1 GHz:



In 3 m Anechoic Chamber, test setup diagram for frequency above 1 GHz:



Note: For harmonic emissions test a band rejection filter was inserted in the input port of AMP.

13.2. Limit

(1) FCC 15.205 Restricted frequency band

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	Above 38.6
13.36-13.41	/	/	/

(2) RSS-Gen section 8.10 Restricted frequency band.

MHz	MHz	MHz	GHz
-----	-----	-----	-----

0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1427	7.25-7.75
3.020-3.026	25.5-25.67	1435-1626.5	8.025-8.5
4.125-4.128	37.5-38.25	1645.5-1646.5	9.0-9.2
4.17725-4.17775	73-74.6	1660-1710	9.3-9.5
4.20725-4.20775	74.8-75.2	1718.8-1722.2	10.6-12.7
6.215-6.218	108-138	2200-2300	13.25-13.4
6.26775-6.26825	149.9-150.05	2310-2390	14.47-14.5
6.31175-6.31225	156.52475-156.52525	2483.5-2500	15.35-16.2
8.291-8.294	156.7-156.9	2655-2900	17.7-21.4
8.362-8.366	162.0125-167.17	3260-3267	22.01-23.12
8.37625-8.38675	167.72-173.2	3332-3339	23.6-24.0
8.41425-8.41475	240-285	3345.8-3358	31.2-31.8
12.29-12.293	322-335.4	3500-4400	36.43-36.5
12.51975-12.52025	/	/	Above 38.6
12.57675-12.57725	/	/	/
13.36-13.41	/	/	/

¹Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

²Above 38.6

(3) FCC 15.209 Limit.

(4) RSS-Gen section 8.9 Limit.

Frequency MHz	Distance Meters	Field strengths limit		
		$\mu\text{V}/\text{m}$	$\text{dB}(\mu\text{V})/\text{m}$	$\mu\text{A}/\text{m}$
0.009 ~ 0.490	300	$2400/\text{F}(\text{kHz})$	$67.6-20\log(\text{F})$	$6.37/\text{F}$ (F in kHz)
0.490 ~ 1.705	30	$24000/\text{F}(\text{kHz})$	$87.6-20\log(\text{F})$	$63.7/\text{F}$ (F in kHz)
1.705 ~ 30.0	30	30	29.54	0.08
30 ~ 88	3	100	40.0	--
88 ~ 216	3	150	43.5	--
216 ~ 960	3	200	46.0	--
960 ~ 1000	3	500	54.0	--
Above 1000	3	74.0 $\text{dB}(\mu\text{V})/\text{m}$ (Peak) 54.0 $\text{dB}(\mu\text{V})/\text{m}$ (Average)		

Note: (1) At frequencies at or above 30 MHz, measurements may be performed at a distance other than what is specified provided: measurements are not made in the near field except where it can be shown that near field measurements are appropriate due to the characteristics of the device; and it can be demonstrated that the signal levels needed to be measured at the distance employed can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 meters unless it can be further demonstrated that measurements at a distance of 30 meters or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse linear-distance for field strength measurements; inverse-linear-distance-squared for power density measurements).

(2) At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed below 30 MHz, when performing measurements at a closer distance than specified, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). This paragraph (f) shall not apply to Access BPL devices operating below 30 MHz.

About Restricted bands of operation please refer to RSS-Gen section 8.10 and FCC § 15.205(a),

13.3. Test Procedure

Below 30 MHz:

The setting of the spectrum Analyzer

RBW	300 Hz (From 9 kHz to 0.15 MHz)/ 10 kHz (From 0.15 MHz to 30 MHz)
VBW	1 kHz (From 9 kHz to 0.15 MHz)/ 30 kHz (From 0.15 MHz to 30 MHz)
Sweep	Auto
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10
2. The EUT was arranged to its worst case and then turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both Horizontal, Face-on and Face-off polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 80 cm meter above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of 1 meter height antenna tower.
5. The radiated emission limits are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.
6. For measurement below 1 GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.
7. Although these tests were performed other than open field site, adequate comparison measurements were confirmed against 30m open field site. Therefore, sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field site based on KDB 414788.

Below 1 GHz and above 30 MHz:

The setting of the spectrum Analyzer

RBW	100 kHz
VBW	300 kHz
Sweep	Auto
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 80 cm above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
5. For measurement below 1GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

Above 1 GHz:

RBW	1 MHz
-----	-------

VBW	PEAK: 3 MHz AVG: see note 6
Sweep	Auto
Detector	Peak
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10.
 2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a band rejection filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
 3. The EUT was placed on a turntable with 1.5m above ground.
 4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
 5. For measurement above 1GHz, the emission measurement will be measured by the peak detector. This peak level, once corrected, must comply with the limit specified in Section 15.209 and RSS-Gen section 8.9.
 6. For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T video bandwidth with peak detector for AVG measurements. For the Duty Cycle please refer to clause 8.1.ON TIME AND DUTY CYCLE.
 7. Restriction band: Investigated frequency range from 2310 MHz to 2410 MHz and 2470MHz to 2500 MHz.
- All restriction band should comply with 15.209 and RSS-Gen section 8.9 limits, other emission should be at least 20 dB below the fundamental.
- Note 1: For all radiated test, EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.
- Note 2: The EUT does not support simultaneous transmission.
- Note 3: The EUT was fully exercised with external accessories during the test. In the case of multiple accessory external ports, an external accessory shall be connected to one of each type of port.

13.4. Results

Pass. (See below detailed test result)

All the emissions except fundamental emission from 9 kHz to 25 GHz were comply with 15.209 limits and RSS-Gen section 8.9 Limis.

Note 1: According exploratory test, the emission levels are 20 dB below the limit detected from 9 kHz to 30 MHz, so the final test was performed with frequency range from 30 MHz to 26 GHz and recorded in below.

Note 2: For emissions below 1 GHz, according exploratory explorer test, when change Tx mode and channel, have no distinct influence on emissions level, so for emissions below 1 GHz, the final test was only performed with EUT working in GFSK 2M, Tx 2402 MHz mode.

Note 3: For emissions above 1 GHz. If peak results comply with AV limit, AV Result is deemed to comply with AV limit.

Note 4: For emissions Above 18 GHz, the all the emission is ambient noise, so only show the worse case channel and recorded in report.

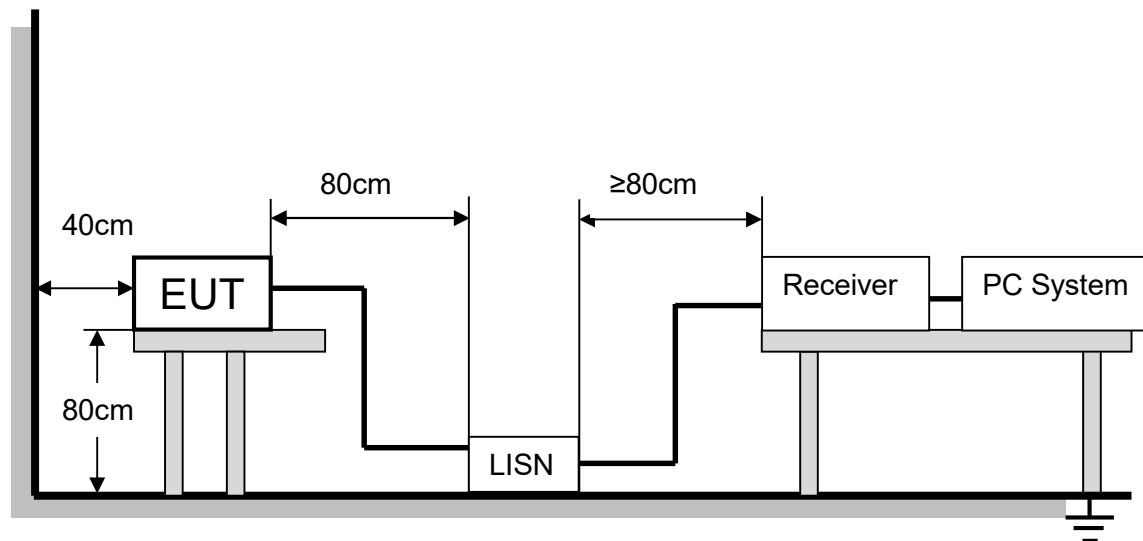
13.5. Original test data

Below 1 GHz and above 30 MHz test data Refer to appendix A

Above 1 GHz test data Refer to appendix B

14. AC Power Line Conducted Emissions

14.1. Block diagram of test setup



The EUT is put on a table of non-conducting material that is 80 cm high. The vertical conducting wall of shielding is located 40 cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through an Artificial Mains Network (A.M.N.). A EMI Measurement Receiver (R&S Test Receiver ESR3) is used to test the emissions from both sides of AC line. According to the requirements in Section 6.2 of ANSI C63.10. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode. The bandwidth of EMI test receiver is set at 9 kHz.

The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application.

14.2. Limits

Please refer to CFR 47 FCC § 15.207 (a) and ISSED RSS-Gen Clause 8.8.

Frequency (MHz)	Quasi-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

Note 1: * Decreasing linearly with logarithm of frequency.

Note 2: The lower limit shall apply at the transition frequencies.

14.3. Test procedure

The EUT and Support equipment, if needed, were put placed on a non-metallic table, 80cm above the ground plane.

Configuration EUT to simulate typical usage as described in clause 2.4 and test equipment as described in clause 10.2 of this report.

All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.

All support equipment power received from a second LISN.

Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.

The Receiver scanned from 150 kHz to 30 MHz for emissions in each of the test modes.

During the above scans, the emissions were maximized by cable manipulation.

The test mode(s) described in clause 2.4 were scanned during the preliminary test.

After the preliminary scan, we found the test mode producing the highest emission level.

The EUT configuration and worse cable configuration of the above highest emission levels were recorded for reference of the final test.

EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test.

A scan was taken on both power lines, Neutral and Line, recording at least the six highest emissions.

Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit.

The test data of the worst-case condition(s) was recorded.

The bandwidth of test receiver is set at 9 kHz.

14.4. Test result

Pass. (See below detailed test result)

Note1: All emissions not reported below are too low against the prescribed limits.

Note2: Pre-test AC conducted emission at both voltage AC 120V/60Hz and AC 240V/50Hz, recorded worse case.

14.5. Original test data

AC Power Line Conducted Emission Test Data Refer to appendix C

15. Antenna Requirements

15.1. Limits

Please refer to FCC § 15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Please refer to FCC § 15.247(b)(4)

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Please refer to RSS-GEN Clause 6.8

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Please refer to RSS-GEN Clause 6.8

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

15.2. Result

The antenna used for this product is PCB antenna and that no antenna other than that furnished by the responsible party shall be used with the device, the maximum peak gain of the transmit antenna is 1.2 dBi.

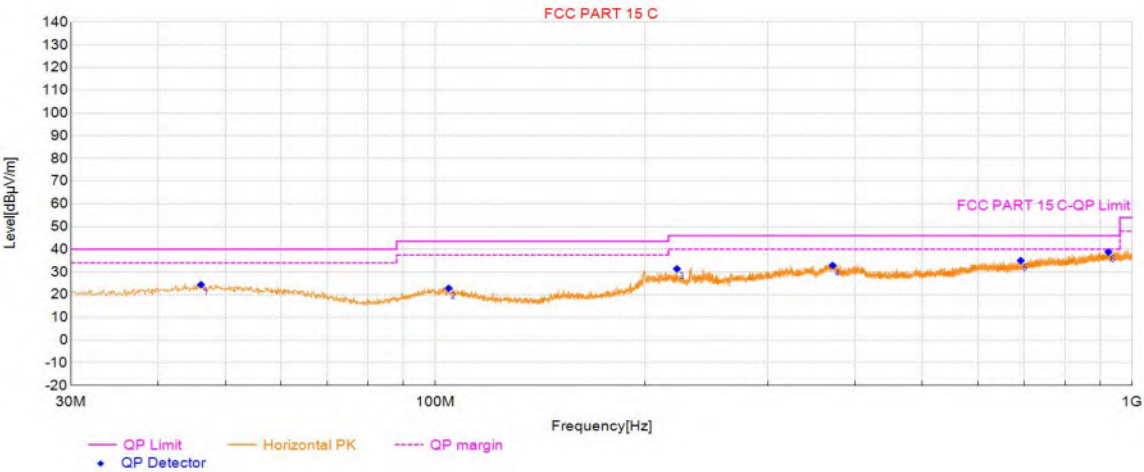
APPENDIX A – Radiated Emission Below 1GHz Test Data

Test Report

Project Information			
EUT:			
Customer:	IEEE 802.11b/g/n/a/ac/ax 2T2R WiFi Module Integrated BT 5.2		
Model:	SKO.WB920TU.6	SN:	
Mode:	BLE_2M_2402	Voltage:	DC 5V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-07-23 21:38:02

Test Graph



Final Data List

NO.	Freq. (MHz)	QP Reading (dBµV/m)	Factor (dB)	QP Level (dBµV/m)	QP Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity	Verdict
1	46.10	3.52	20.88	24.40	40.00	15.60	100	136	Horizontal	PASS
2	104.50	3.08	19.76	22.84	43.50	20.66	100	76	Horizontal	PASS
3	222.18	10.68	20.72	31.40	46.00	14.60	100	85	Horizontal	PASS
4	371.57	8.22	24.68	32.90	46.00	13.10	100	28	Horizontal	PASS
5	691.70	4.63	30.40	35.03	46.00	10.97	100	298	Horizontal	PASS
6	924.04	4.8	33.98	38.78	46.00	7.22	100	101	Horizontal	PASS

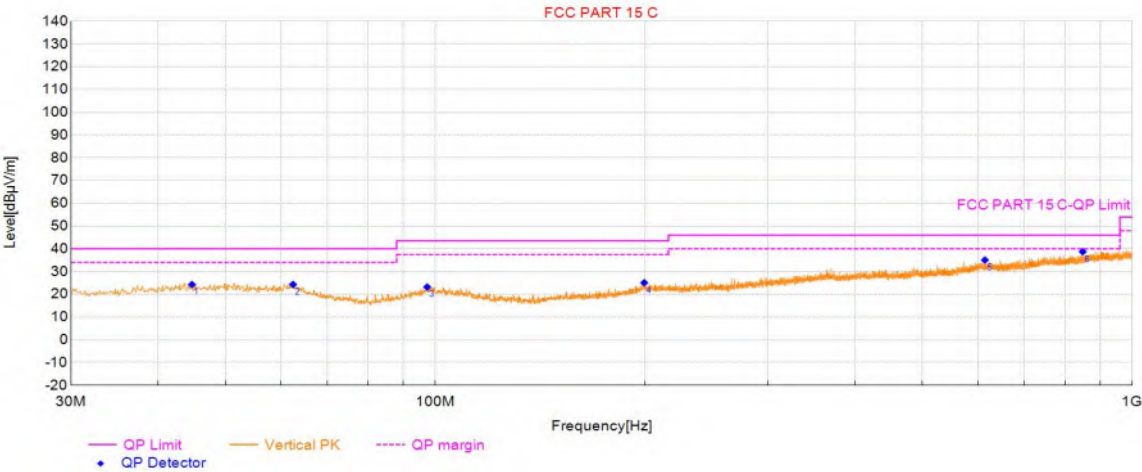
Note: Margin=QP Limit - QP Level, QP Level=Reading + Factor

Test Report

Project Information			
EUT:			
Customer:	IEEE 802.11b/g/n/a/ac/ax 2T2R WiFi Module Integrated BT 5.2		
Model:	SKO.WB920TU.6	SN:	
Mode:	BLE_2M_2402	Voltage:	DC 5V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-07-23 21:38:44

Test Graph



Final Data List										
NO.	Freq. (MHz)	QP Reading (dBµV/m)	Factor (dB)	QP Level (dBµV/m)	QP Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity	Verdict
1	44.75	3.59	20.71	24.30	40.00	15.70	100	150	Vertical	PASS
2	62.50	4.83	19.52	24.35	40.00	15.65	100	75	Vertical	PASS
3	97.32	3.87	19.34	23.21	43.50	20.29	100	343	Vertical	PASS
4	199.38	5.19	19.90	25.09	43.50	18.41	100	177	Vertical	PASS
5	614.39	5.22	29.86	35.08	46.00	10.92	100	262	Vertical	PASS
6	848.76	5.93	32.80	38.73	46.00	7.27	100	147	Vertical	PASS

Note: Margin=QP Limit - QP Level, QP Level=Reading + Factor

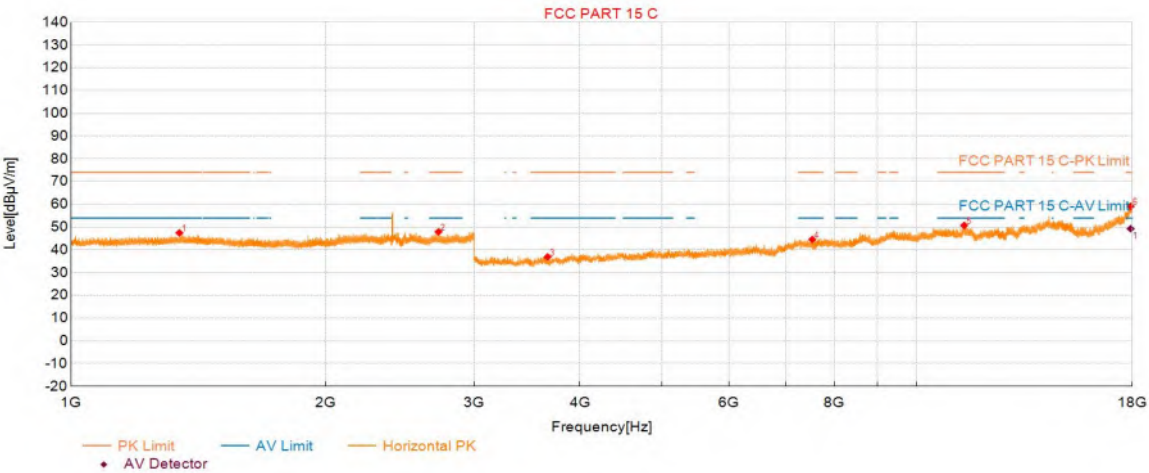
APPENDIX B – Radiated Emission Above 1GHz Test Data

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n/a/ac/ax 2T2R WiFi Module Integrated BT 5.2		
Model:	SKO.WB920TU.6	SN:	
Mode:	BLE_2M_2402	Voltage:	DC 5V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-07-23 15:53:12

Test Graph



Suspected Data List									
NO.	Frequency (MHz)	Reading (dBµV/m)	Level (dBµV/m)	Factor (dB)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1343.62	43.50	47.45	3.95	74.00	26.55	150	251	Horizontal
2	2720.79	39.90	47.92	8.02	74.00	26.08	150	1	Horizontal
3	3661.53	50.83	36.88	-13.95	74.00	37.12	150	139	Horizontal
4	7529.48	44.56	44.56	0.00	74.00	29.44	150	156	Horizontal
5	11386.17	43.04	50.73	7.69	74.00	23.27	150	47	Horizontal
6	17916.75	36.26	59.15	22.89	74.00	14.85	150	63	Horizontal

AV Final Data List									
NO.	Freq. (MHz)	AV Reading (dBµV/m)	Factor (dB)	AV Level (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	17916.75	26.40	22.89	49.29	54.00	4.71	150	63	Horizontal

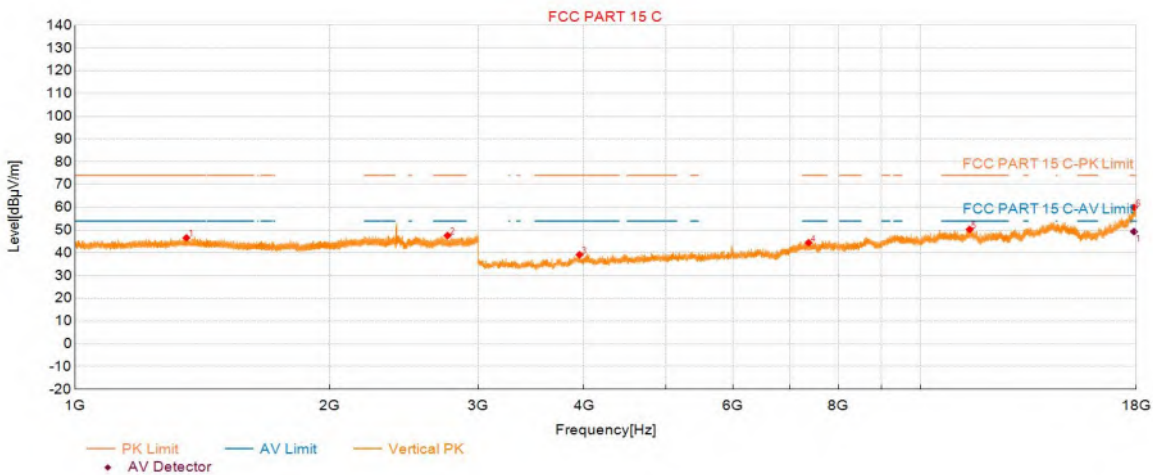
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n/a/ac/ax 2T2R WiFi Module Integrated BT 5.2		
Model:	SKO.WB920TU.6	SN:	
Mode:	BLE_2M_2402	Voltage:	DC 5V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-07-23 15:54:36

Test Graph



Suspected Data List									
NO.	Frequency (MHz)	Reading (dBµV/m)	Level (dBµV/m)	Factor (dB)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1354.82	42.53	46.60	4.07	74.00	27.40	150	15	Vertical
2	2758.49	39.47	47.61	8.14	74.00	26.39	150	320	Vertical
3	3951.80	51.78	39.16	-12.62	74.00	34.84	150	87	Vertical
4	7372.72	44.69	44.45	-0.24	74.00	29.55	150	325	Vertical
5	11431.17	42.48	50.28	7.80	74.00	23.72	150	223	Vertical
6	17882.99	37.37	59.95	22.58	74.00	14.05	150	278	Vertical

AV Final Data List									
NO.	Freq. (MHz)	AV Reading (dBµV/m)	Factor (dB)	AV Level (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	17882.99	26.74	22.58	49.32	54.00	4.68	150	278	Vertical

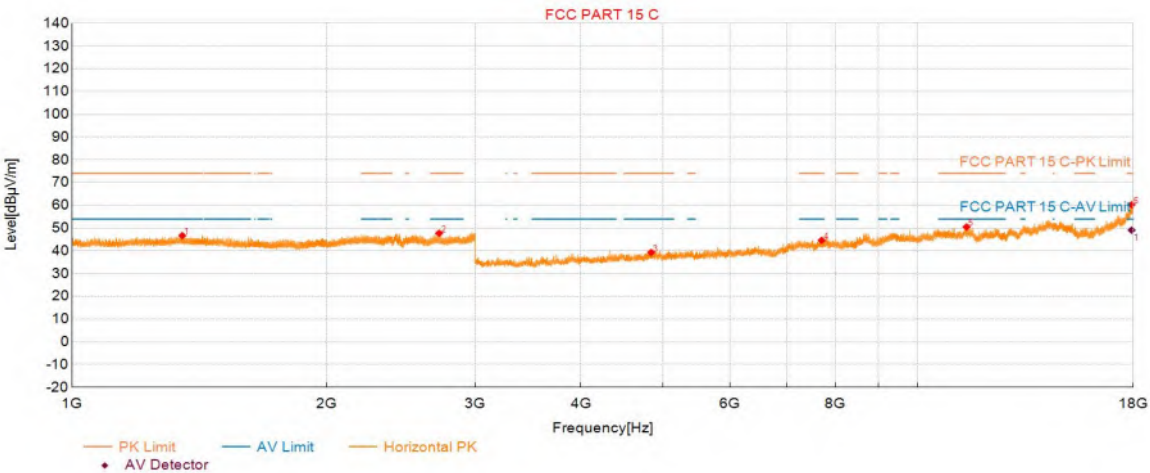
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n/a/ac/ax 2T2R WiFi Module Integrated BT 5.2		
Model:	SKO.WB920TU.6	SN:	
Mode:	BLE_2M_2440	Voltage:	DC 5V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-07-23 16:02:48

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Reading (dBµV/m)	Level (dBµV/m)	Factor (dB)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1350.52	42.65	46.69	4.04	74.00	27.31	150	2	Horizontal
2	2717.49	39.70	47.71	8.01	74.00	26.29	150	358	Horizontal
3	4841.34	48.30	39.28	-9.02	74.00	34.72	150	6	Horizontal
4	7701.99	43.94	44.61	0.67	74.00	29.39	150	185	Horizontal
5	11426.67	42.67	50.47	7.80	74.00	23.53	150	66	Horizontal
6	17915.25	37.36	60.24	22.88	74.00	13.76	150	334	Horizontal

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBµV/m)	Factor (dB)	AV Level (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	17915.25	26.21	22.88	49.09	54.00	4.91	150	334	Horizontal

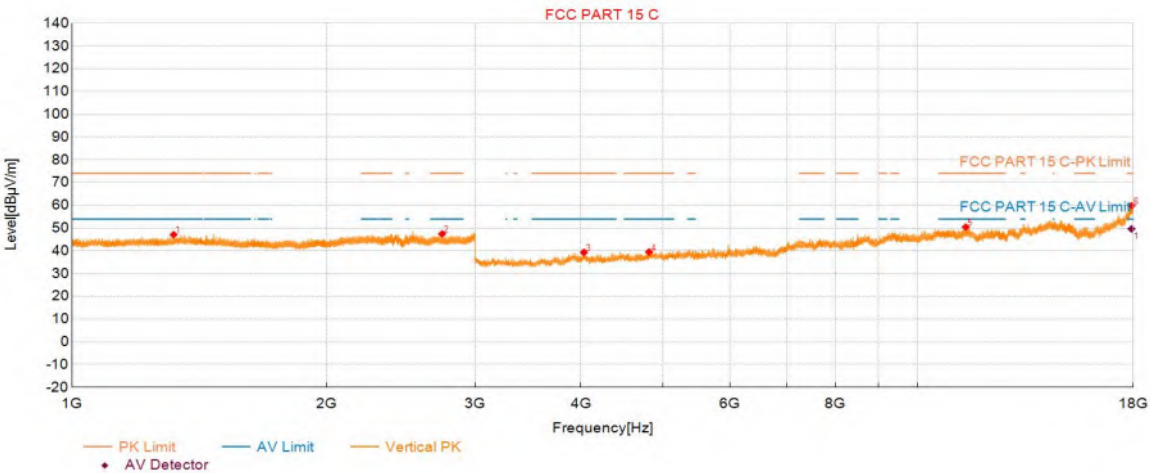
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n/a/ac/ax 2T2R WiFi Module Integrated BT 5.2		
Model:	SKO.WB920TU.6	SN:	
Mode:	BLE_2M_2440	Voltage:	DC 5V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-07-23 16:04:11

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Reading (dBµV/m)	Level (dBµV/m)	Factor (dB)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1319.42	43.49	47.11	3.62	74.00	26.89	150	177	Vertical
2	2740.09	39.38	47.43	8.05	74.00	26.57	150	0	Vertical
3	4032.05	51.60	39.34	-12.26	74.00	34.66	150	132	Vertical
4	4815.09	48.69	39.53	-9.16	74.00	34.47	150	360	Vertical
5	11403.42	42.62	50.43	7.81	74.00	23.57	150	281	Vertical
6	17909.25	36.99	59.86	22.87	74.00	14.14	150	165	Vertical

AV Final Data List

NO.	Freq. (MHz)	AV Reading (dBµV/m)	Factor (dB)	AV Level (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	17909.25	26.77	22.87	49.64	54.00	4.36	150	165	Vertical

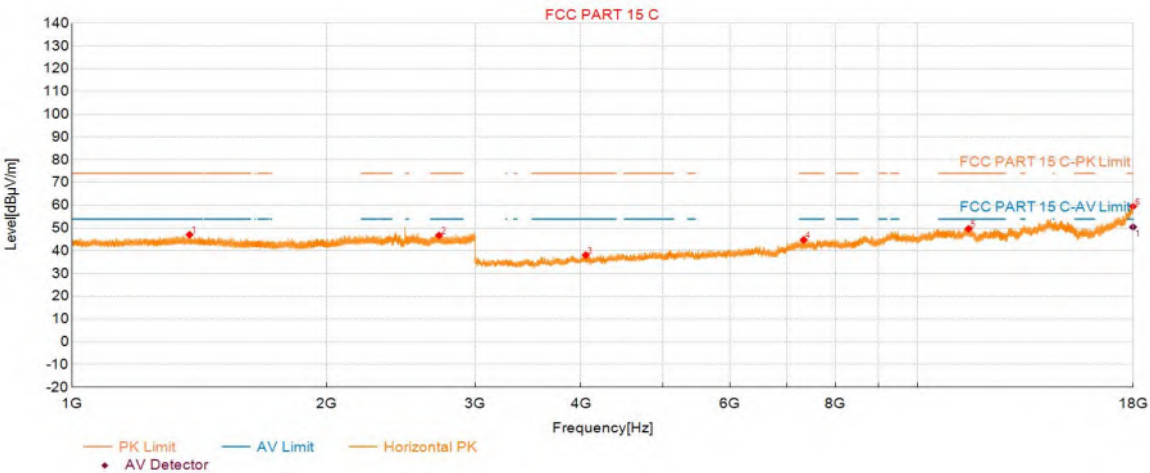
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n/a/ac/ax 2T2R WiFi Module Integrated BT 5.2		
Model:	SKO.WB920TU.6	SN:	
Mode:	BLE_2M_2480	Voltage:	DC 5V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-07-23 16:07:04

Test Graph



Suspected Data List									
NO.	Frequency (MHz)	Reading (dBµV/m)	Level (dBµV/m)	Factor (dB)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1377.72	42.86	47.09	4.23	74.00	26.91	150	188	Horizontal
2	2717.09	38.75	46.76	8.01	74.00	27.24	150	148	Horizontal
3	4051.55	50.39	38.17	-12.22	74.00	35.83	150	316	Horizontal
4	7335.22	44.97	44.85	-0.12	74.00	29.15	150	154	Horizontal
5	11494.92	41.93	49.70	7.77	74.00	24.30	150	340	Horizontal
6	17986.50	36.44	59.49	23.05	74.00	14.51	150	270	Horizontal

AV Final Data List									
NO.	Freq. (MHz)	AV Reading (dBµV/m)	Factor (dB)	AV Level (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	17986.50	27.41	23.05	50.46	54.00	3.54	150	270	Horizontal

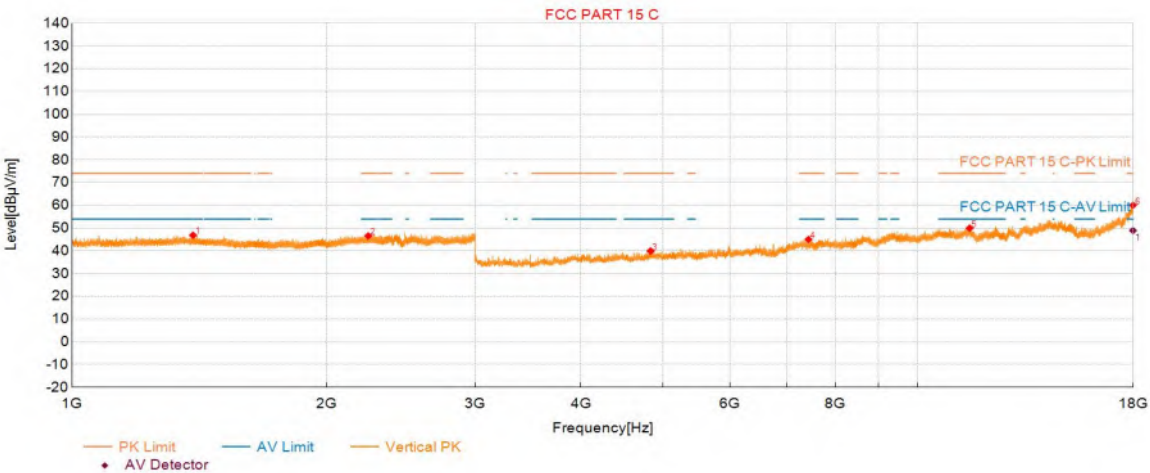
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n/a/ac/ax 2T2R WiFi Module Integrated BT 5.2		
Model:	SKO.WB920TU.6	SN:	
Mode:	BLE_2M_2480	Voltage:	DC 5V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-07-23 16:08:30

Test Graph



Suspected Data List									
NO.	Frequency (MHz)	Reading (dBµV/m)	Level (dBµV/m)	Factor (dB)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1390.62	42.52	46.84	4.32	74.00	27.16	150	142	Vertical
2	2240.96	39.07	46.58	7.51	74.00	27.42	150	126	Vertical
3	4833.09	48.97	39.91	-9.06	74.00	34.09	150	39	Vertical
4	7431.97	45.19	45.01	-0.18	74.00	28.99	150	348	Vertical
5	11526.43	42.20	49.96	7.76	74.00	24.04	150	55	Vertical
6	17984.25	36.99	60.04	23.05	74.00	13.96	150	211	Vertical

AV Final Data List									
NO.	Freq. (MHz)	AV Reading (dBµV/m)	Factor (dB)	AV Level (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	17984.25	25.88	23.05	48.93	54.00	5.07	150	211	Vertical

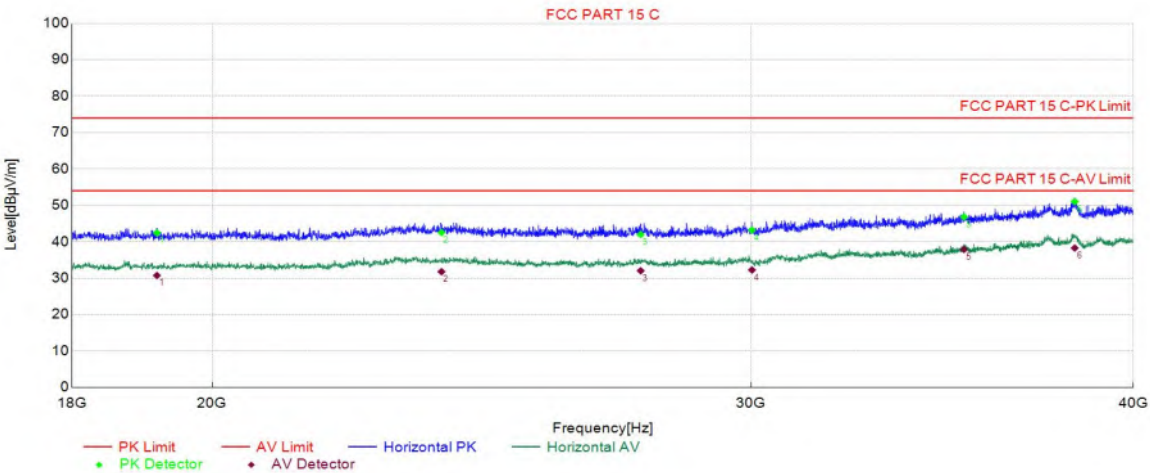
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n/a/ac/ax 2T2R WiFi Module Integrated BT 5.2		
Model:	SKO.WB920TU.6	SN:	
Mode:	BLE_2M_2402	Voltage:	DC 5V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-07-20 20:42:28

Test Graph



PK Final Data List									
NO.	Freq. (MHz)	PK Reading (dBµV)	Factor (dB/m)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	Height (cm)	Angle (°)	Polarity
1	19188.238	39.39	3.05	42.44	74.00	31.56	150	75	Horizontal
2	23769.554	33.55	8.99	42.54	74.00	31.46	150	104	Horizontal
3	27611.522	37.07	4.92	41.99	74.00	32.01	150	315	Horizontal
4	30023.205	32.99	10.20	43.19	74.00	30.81	150	267	Horizontal
5	35216.243	33.19	13.63	46.82	74.00	27.18	150	94	Horizontal
6	38274.855	36.36	14.65	51.01	74.00	22.99	150	12	Horizontal

AV Final Data List									
NO.	Freq. (MHz)	AV Reading (dBµV)	Factor (dB/m)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	19188.238	27.69	3.05	30.74	54.00	23.26	150	75	Horizontal
2	23769.554	22.78	8.99	31.77	54.00	22.23	150	104	Horizontal
3	27611.522	27.11	4.92	32.03	54.00	21.97	150	315	Horizontal
4	30023.205	22.05	10.20	32.25	54.00	21.75	150	267	Horizontal
5	35216.243	24.26	13.63	37.89	54.00	16.11	150	94	Horizontal
6	38274.855	23.63	14.65	38.28	54.00	15.72	150	12	Horizontal

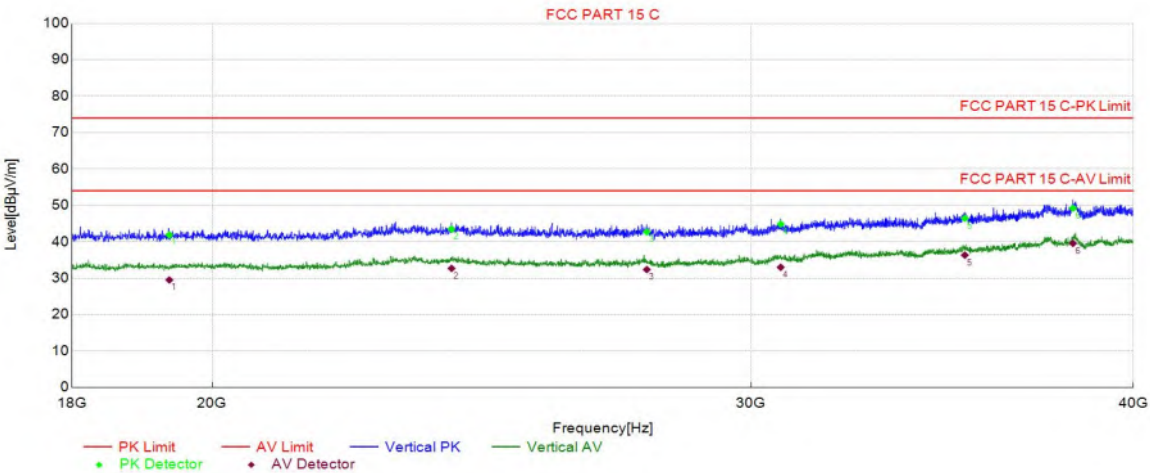
Note1: PK Value=PK Reading + Factor, PK Margin=PK Limit - PK Value
Note2: AV Value=AV Reading + Factor, AV Margin=AV Limit - AV Value

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n/a/ac/ax 2T2R WiFi Module Integrated BT 5.2		
Model:	SKO.WB920TU.6	SN:	
Mode:	BLE_2M_2402	Voltage:	DC 5V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-07-20 20:43:13

Test Graph



PK Final Data List									
NO.	Freq. (MHz)	PK Reading (dBµV)	Factor (dB/m)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	Height (cm)	Angle (°)	Polarity
1	19368.674	38.73	3.14	41.87	74.00	32.13	150	24	Vertical
2	23949.990	34.35	9.13	43.48	74.00	30.52	150	353	Vertical
3	27739.148	37.66	5.04	42.70	74.00	31.30	150	265	Vertical
4	30678.936	33.58	11.28	44.86	74.00	29.14	150	353	Vertical
5	35238.248	32.79	13.65	46.44	74.00	27.56	150	169	Vertical
6	38226.445	34.52	14.69	49.21	74.00	24.79	150	121	Vertical

AV Final Data List									
NO.	Freq. (MHz)	AV Reading (dBµV)	Factor (dB/m)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	19368.674	26.37	3.14	29.51	54.00	24.49	150	24	Vertical
2	23949.990	23.55	9.13	32.68	54.00	21.32	150	353	Vertical
3	27739.148	27.31	5.04	32.35	54.00	21.65	150	265	Vertical
4	30678.936	21.70	11.28	32.98	54.00	21.02	150	353	Vertical
5	35238.248	22.68	13.65	36.33	54.00	17.67	150	169	Vertical
6	38226.445	24.86	14.69	39.55	54.00	14.45	150	121	Vertical

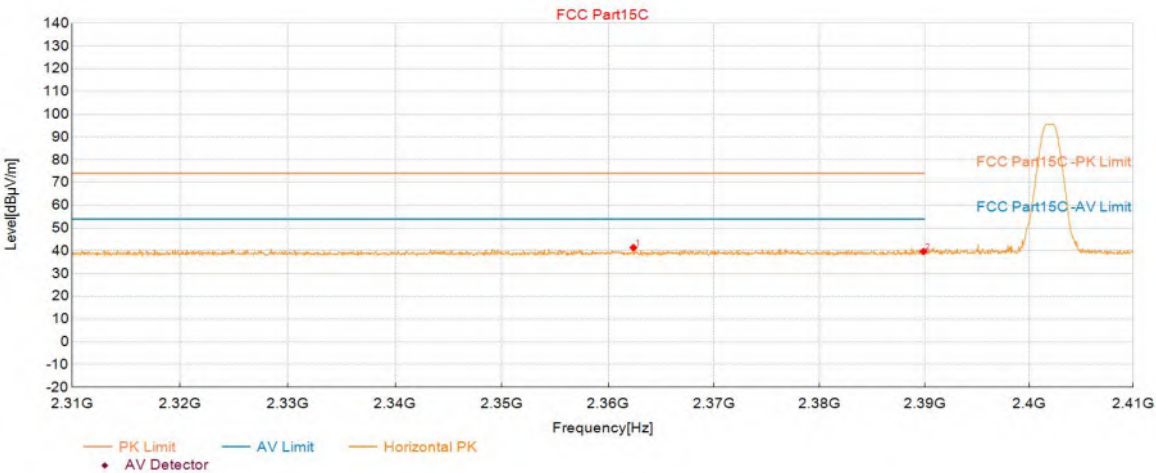
Note1: PK Value=PK Reading + Factor, PK Margin=PK Limit - PK Value
Note2: AV Value=AV Reading + Factor, AV Margin=AV Limit - AV Value

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n/a/ac/ax 2T2R WiFi Module Integrated BT 5.2		
Model:	SKO.WB920TU.6	SN:	
Mode:	BLE_1M_2402	Voltage:	DC 5V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-07-23 16:11:26

Test Graph



Suspected Data List									
NO.	Frequency (MHz)	Reading(dBµV/m)	PK Level (dBµV/m)	Factor (dB)	PK Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2362.38	59.33	41.40	-17.93	74.00	32.60	150	18	Horizontal
2	2389.89	57.63	39.69	-17.94	74.00	34.31	150	251	Horizontal

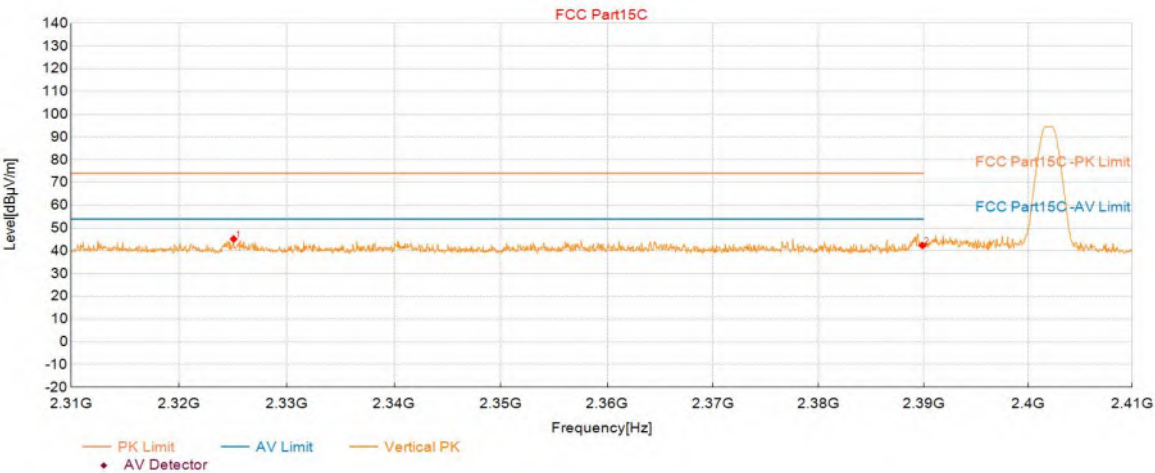
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n/a/ac/ax 2T2R WiFi Module Integrated BT 5.2		
Model:	SKO.WB920TU.6	SN:	
Mode:	BLE_1M_2402	Voltage:	DC 5V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-07-23 16:12:06

Test Graph



Suspected Data List									
NO.	Frequency (MHz)	Reading(dBµV/m)	PK Level (dBµV/m)	Factor (dB)	PK Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2325.06	63.12	45.20	-17.92	74.00	28.80	150	66	Vertical
2	2389.89	60.26	42.32	-17.94	74.00	31.68	150	202	Vertical

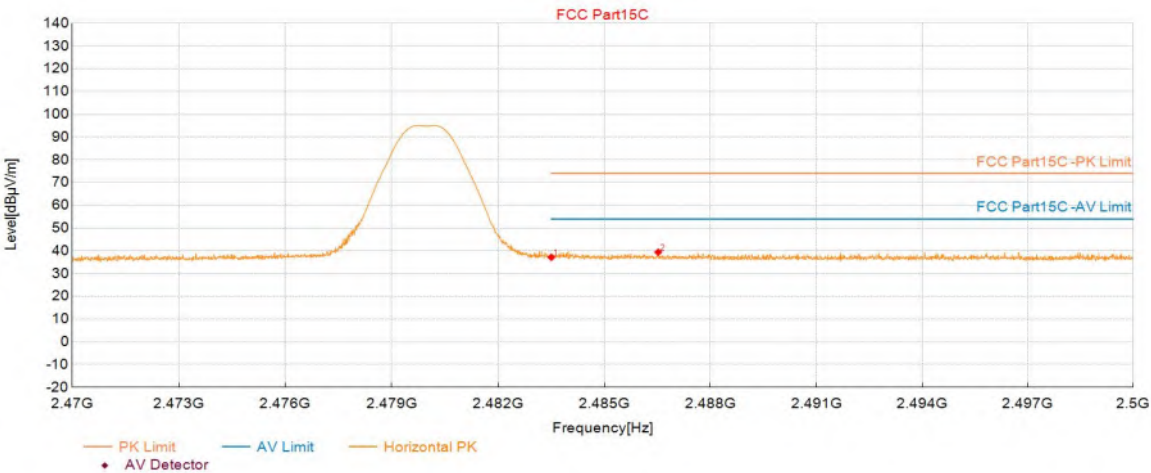
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n/a/ac/ax 2T2R WiFi Module Integrated BT 5.2		
Model:	SKO.WB920TU.6	SN:	
Mode:	BLE_1M_2480	Voltage:	DC 5V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-07-23 16:13:42

Test Graph



Suspected Data List									
NO.	Frequency (MHz)	Reading(dBμV/m)	PK Level (dBμV/m)	Factor (dB)	PK Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2483.50	54.81	37.19	-17.62	74.00	36.81	150	215	Horizontal
2	2486.53	57.01	39.40	-17.61	74.00	34.60	150	205	Horizontal

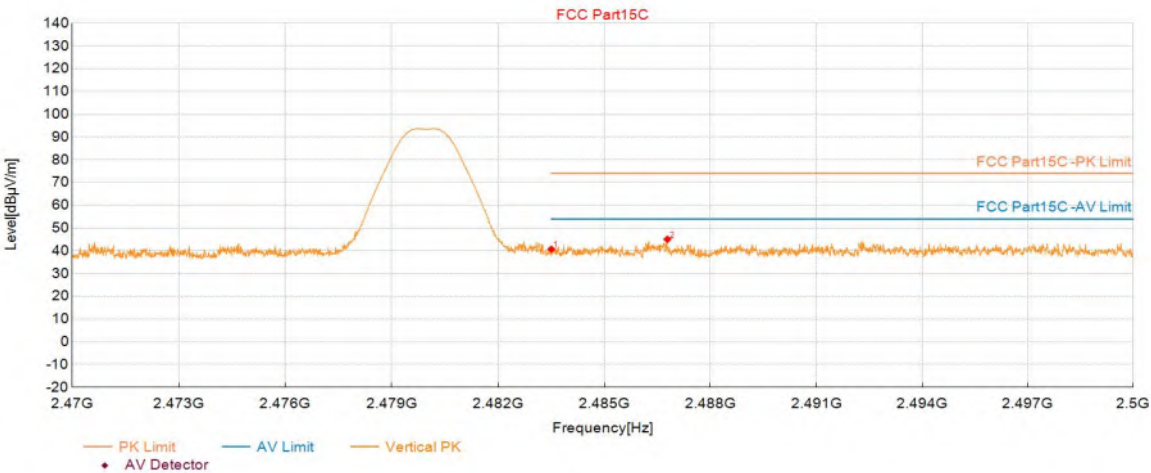
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n/a/ac/ax 2T2R WiFi Module Integrated BT 5.2		
Model:	SKO.WB920TU.6	SN:	
Mode:	BLE_1M_2480	Voltage:	DC 5V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-07-23 16:14:22

Test Graph



Suspected Data List									
NO.	Frequency (MHz)	Reading(dBµV/m)	PK Level (dBµV/m)	Factor (dB)	PK Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2483.50	58.33	40.71	-17.62	74.00	33.29	150	68	Vertical
2	2486.79	62.68	45.07	-17.61	74.00	28.93	150	64	Vertical

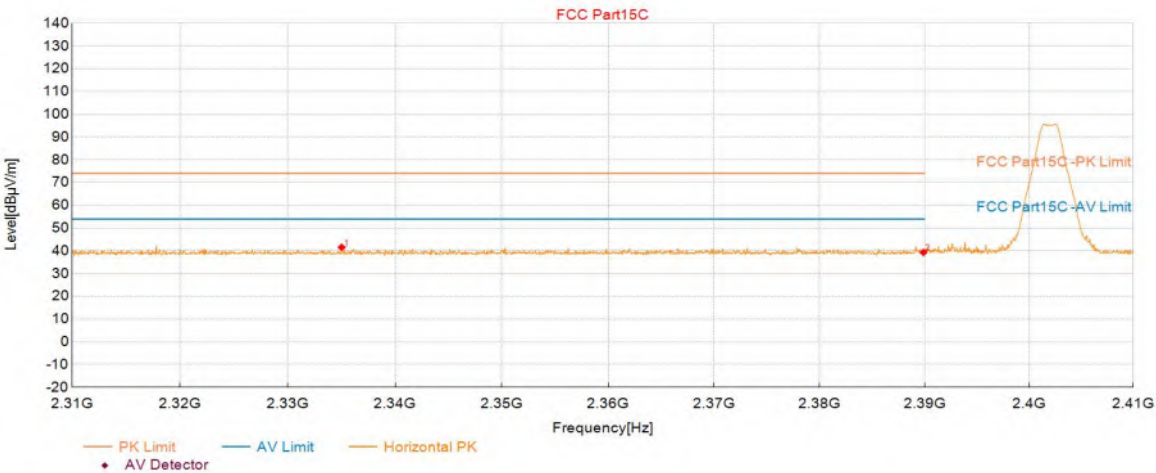
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n/a/ac/ax 2T2R WiFi Module Integrated BT 5.2		
Model:	SKO.WB920TU.6	SN:	
Mode:	BLE_2M_2402	Voltage:	DC 5V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-07-23 16:15:58

Test Graph



Suspected Data List									
NO.	Frequency (MHz)	Reading(dBµV/m)	PK Level (dBµV/m)	Factor (dB)	PK Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2335.01	59.48	41.55	-17.93	74.00	32.45	150	319	Horizontal
2	2389.89	57.24	39.30	-17.94	74.00	34.70	150	171	Horizontal

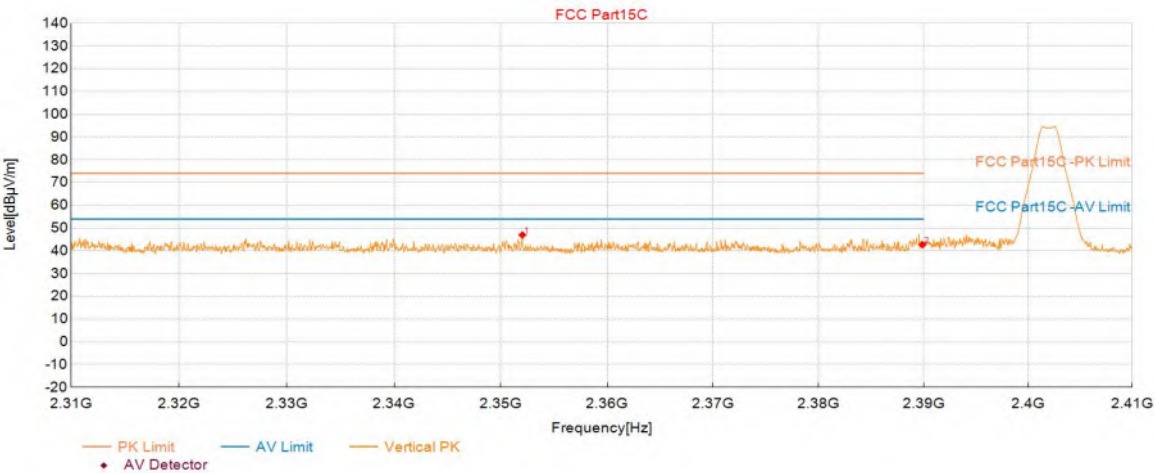
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n/a/ac/ax 2T2R WiFi Module Integrated BT 5.2		
Model:	SKO.WB920TU.6	SN:	
Mode:	BLE_2M_2402	Voltage:	DC 5V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-07-23 16:16:38

Test Graph



Suspected Data List									
NO.	Frequency (MHz)	Reading(dBµV/m)	PK Level (dBµV/m)	Factor (dB)	PK Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2352.02	64.92	46.99	-17.93	74.00	27.01	150	71	Vertical
2	2389.89	60.63	42.69	-17.94	74.00	31.31	150	129	Vertical

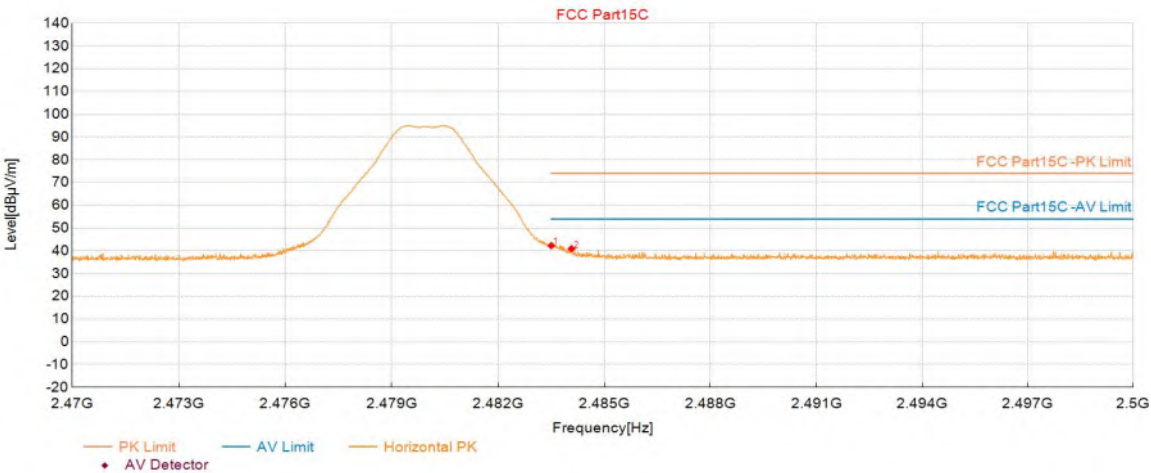
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n/a/ac/ax 2T2R WiFi Module Integrated BT 5.2		
Model:	SKO.WB920TU.6	SN:	
Mode:	BLE_2M_2480	Voltage:	DC 5V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-07-23 16:18:40

Test Graph



Suspected Data List									
NO.	Frequency (MHz)	Reading(dBµV/m)	PK Level (dBµV/m)	Factor (dB)	PK Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2483.50	59.92	42.30	-17.62	74.00	31.70	150	133	Horizontal
2	2484.07	58.52	40.90	-17.62	74.00	33.10	150	104	Horizontal

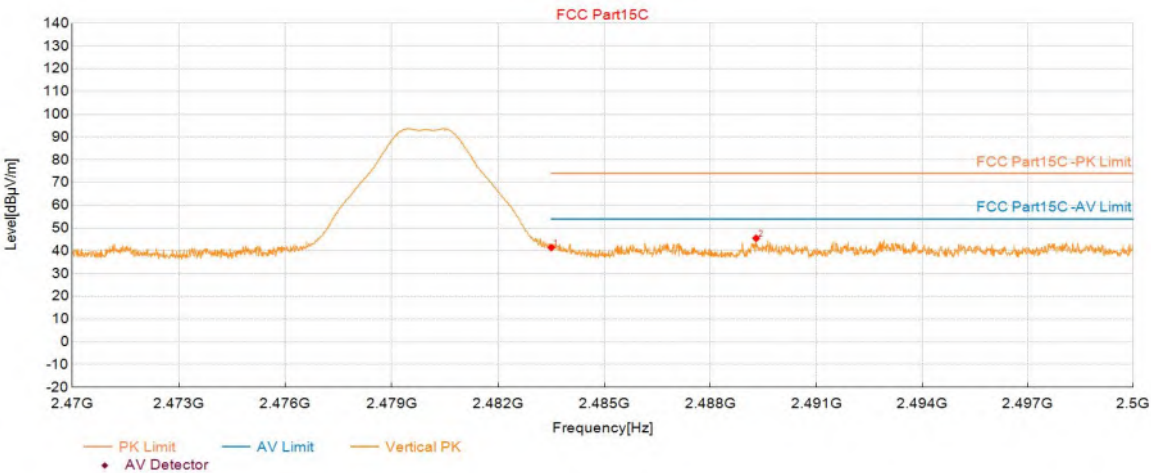
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n/a/ac/ax 2T2R WiFi Module Integrated BT 5.2		
Model:	SKO.WB920TU.6	SN:	
Mode:	BLE_2M_2480	Voltage:	DC 5V
Environment:	25.3℃ 53%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-07-23 16:19:20

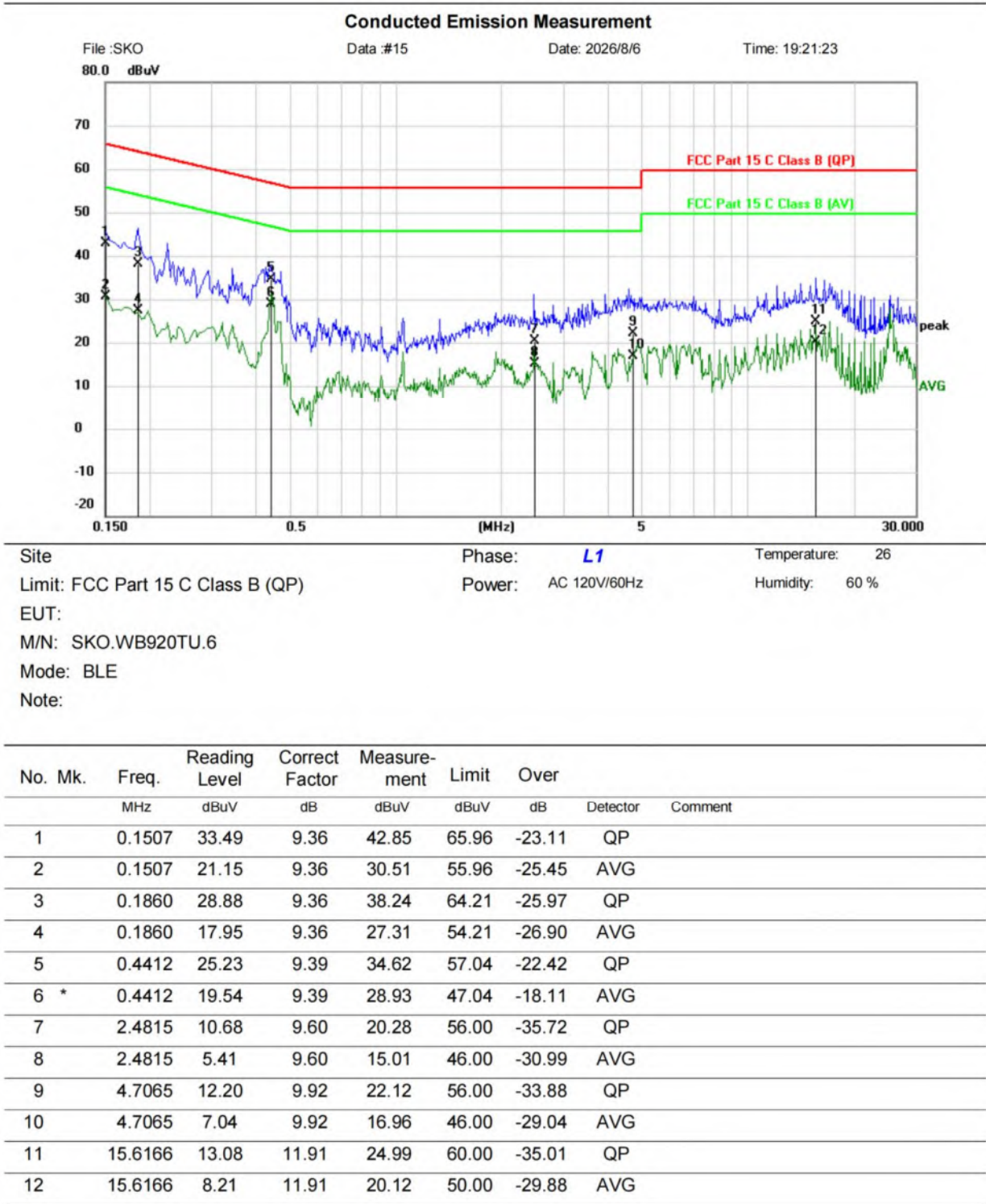
Test Graph

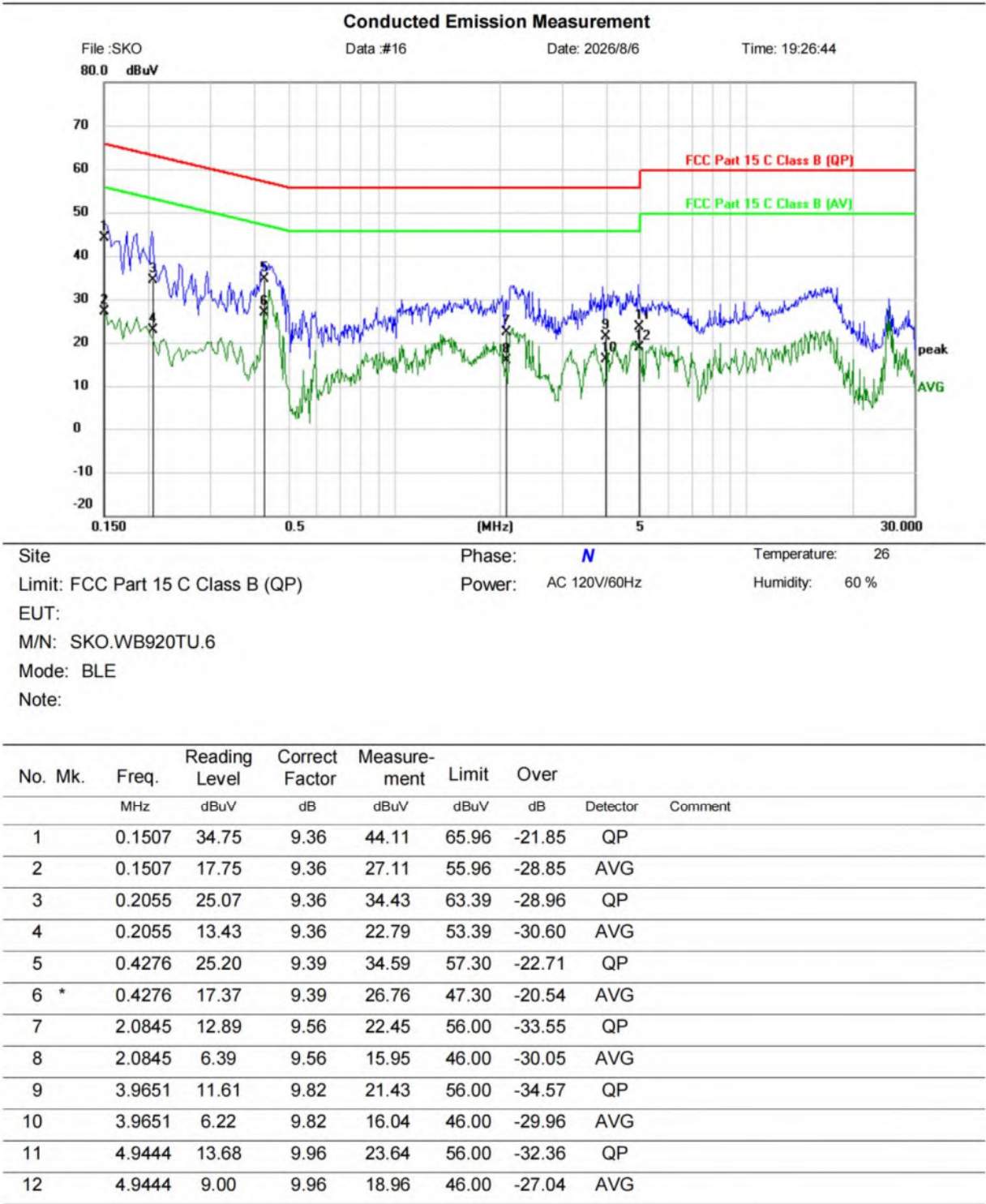


Suspected Data List									
NO.	Frequency (MHz)	Reading(dBµV/m)	PK Level (dBµV/m)	Factor (dB)	PK Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2483.50	59.04	41.42	-17.62	74.00	32.58	150	255	Vertical
2	2489.30	63.13	45.53	-17.60	74.00	28.47	150	63	Vertical

Note1: Level=Reading+Factor, Margin=Limit - Level

APPENDIX C – AC Power Line Conducted Emission Test Data





END OF REPORT