

### 7.3 TEST DATA

**Pass: Please Refer To Appendix: Appendix1 For Details**

BlueAsia

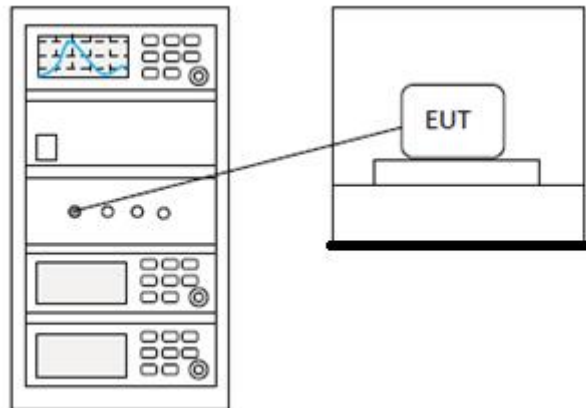
## 8 MINIMUM 6DB BANDWIDTH

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 11.8.1
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Jozu
Temperature	25°C
Humidity	60%

### 8.1 LIMITS

Limit:	$\geq 500$ kHz
--------	----------------

### 8.2 BLOCK DIAGRAM OF TEST SETUP



### 8.3 TEST DATA

**Pass: Please Refer To Appendix: Appendix1 For Details**

## 9 ANTENNA REQUIREMENT

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	N/A

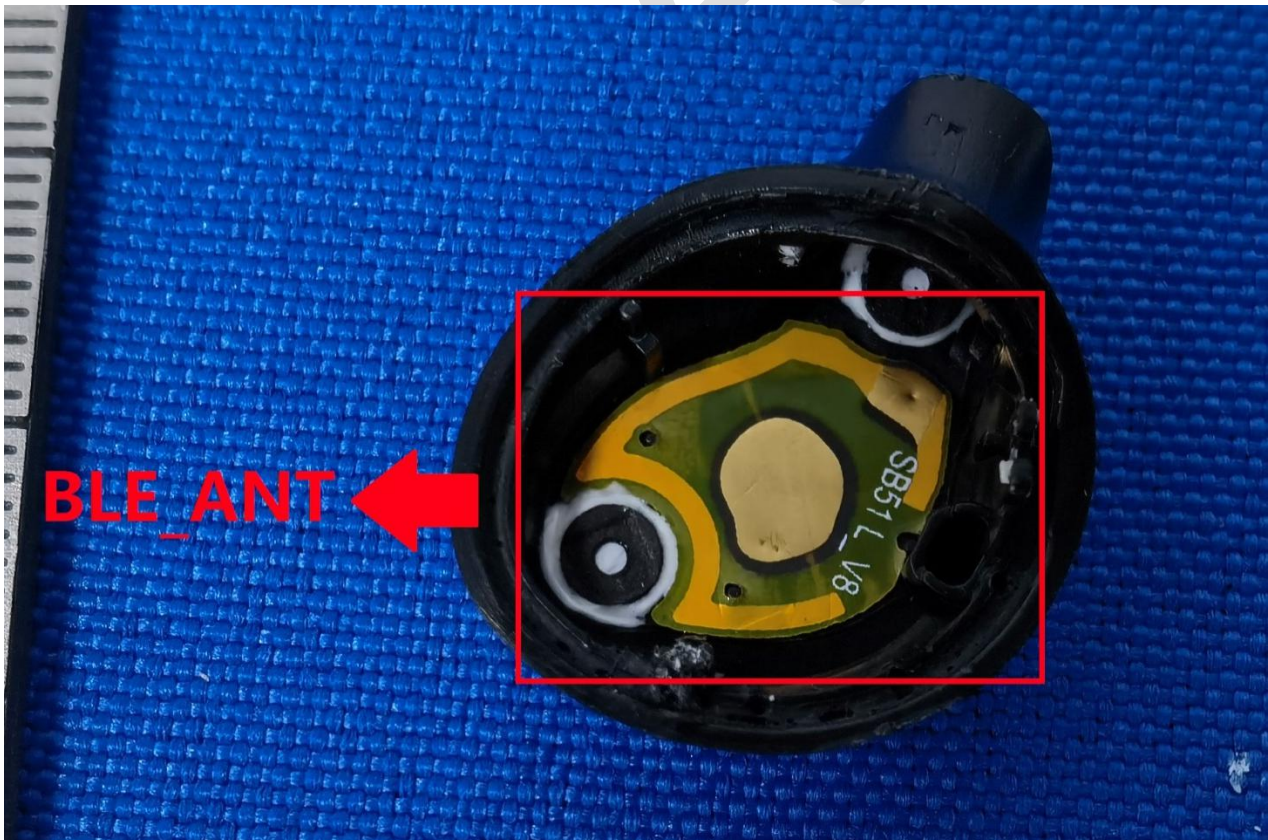
### 9.1 CONCLUSION

Standard Requirement:

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 an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit permanently attached antenna or of an so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

EUT Antenna:

The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is -1.84dBi.



## 10 APPENDIX

### 10.1 APPENDIX A: DTS BANDWIDTH

#### Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	0.732	2401.636	2402.368	$\geq 0.5$	PASS
		2442	0.732	2441.636	2442.368	$\geq 0.5$	PASS
		2480	0.732	2479.636	2480.368	$\geq 0.5$	PASS

### Test Graphs



**10.2 APPENDIX B: OCCUPIED CHANNEL BANDWIDTH****Test Result**

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0426	2401.495	2402.538	---	PASS
		2442	1.0419	2441.495	2442.537	---	PASS
		2480	1.0407	2479.496	2480.537	---	PASS

BlueAsia

### Test Graphs



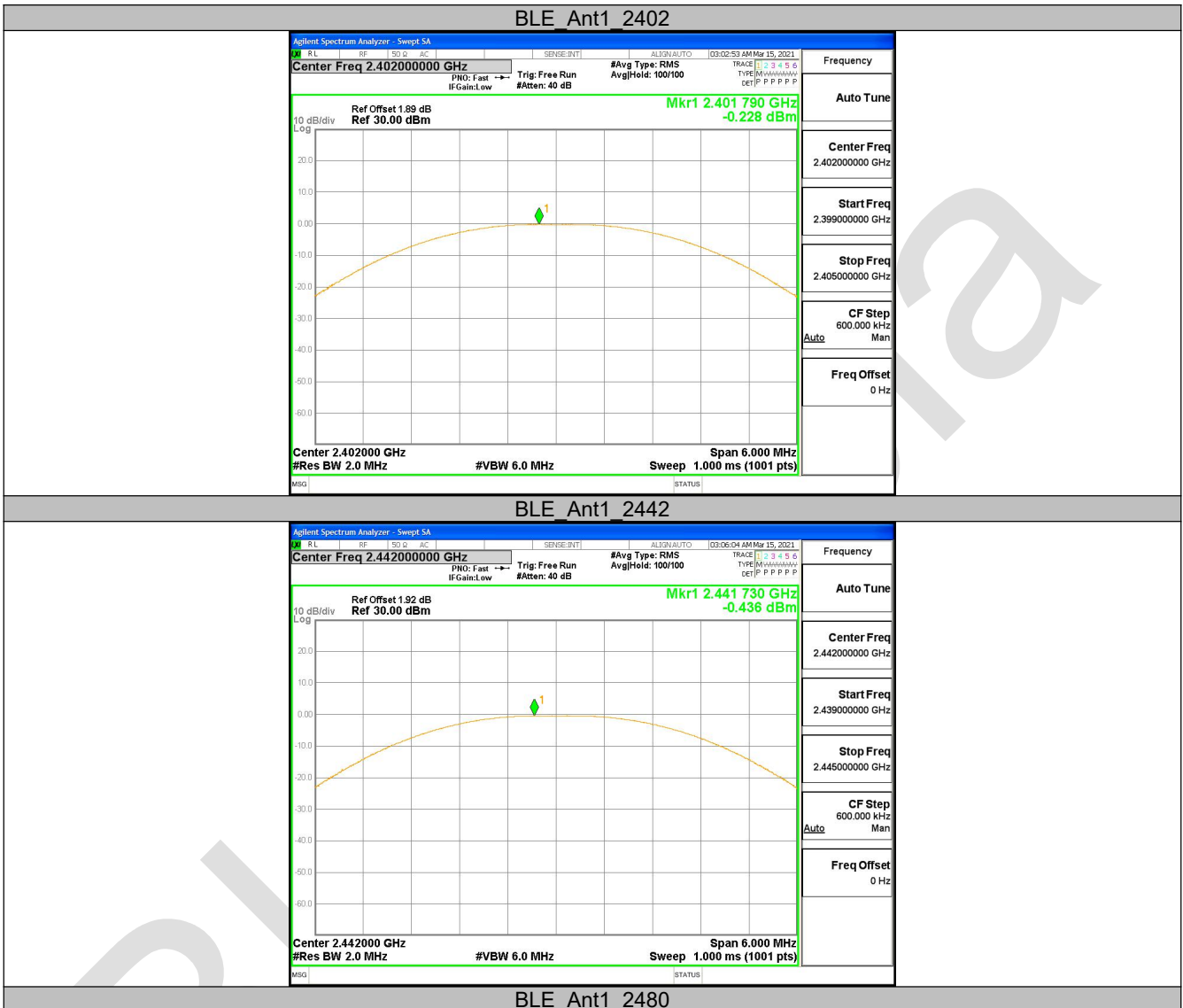
**10.3 APPENDIX C: MAXIMUM CONDUCTED OUTPUT POWER****Test Result**

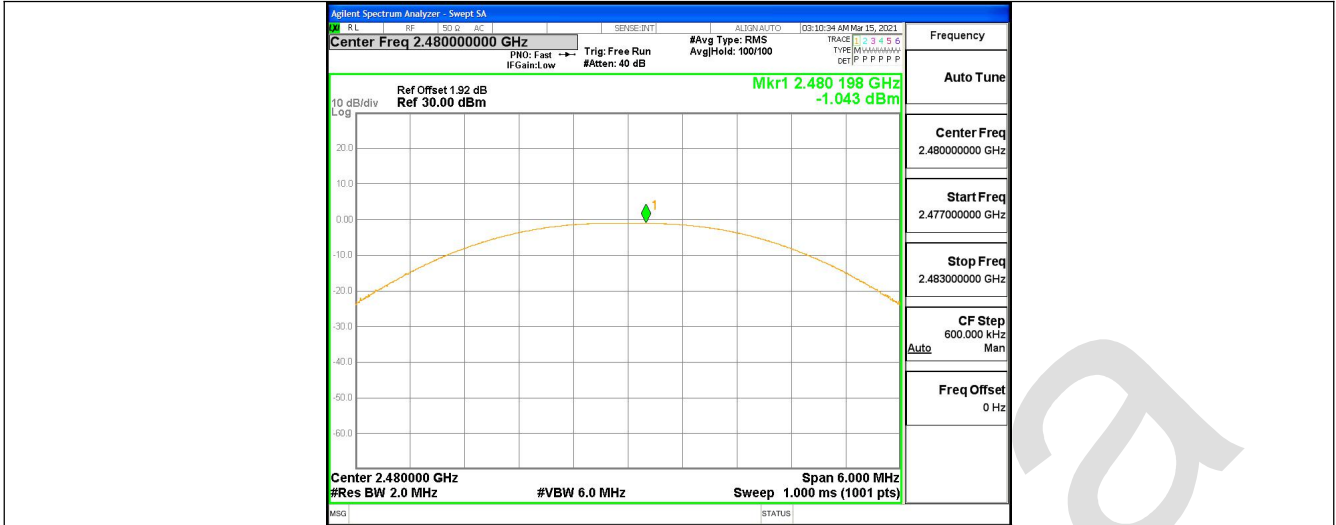
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	-0.23	<=30	PASS
		2442	-0.44	<=30	PASS
		2480	-1.04	<=30	PASS

BlueAsia



### Test Graphs



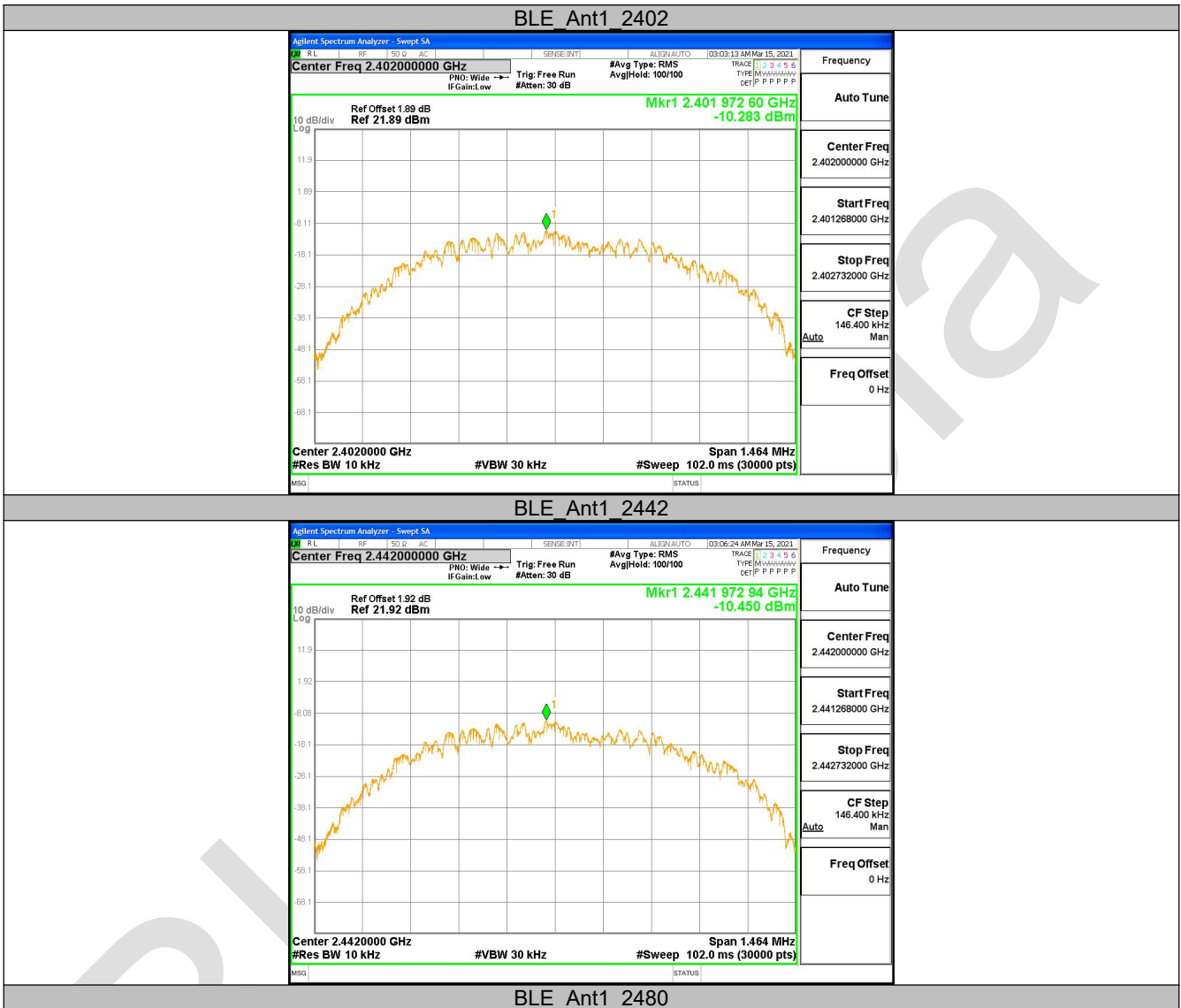


**10.4 APPENDIX D: MAXIMUM POWER SPECTRAL DENSITY****Test Result**

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-10.28	<=8	PASS
		2442	-10.45	<=8	PASS
		2480	-11.03	<=8	PASS

BlueAsia

### Test Graphs





**10.5 APPENDIX E: BAND EDGE MEASUREMENTS****Test Result**

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	-0.61	-55.3	$\leq -20.61$	PASS
		High	2480	-1.39	-55.5	$\leq -21.39$	PASS

BlueAsia

### Test Graphs



## 10.6 APPENDIX F: CONDUCTED SPURIOUS EMISSION

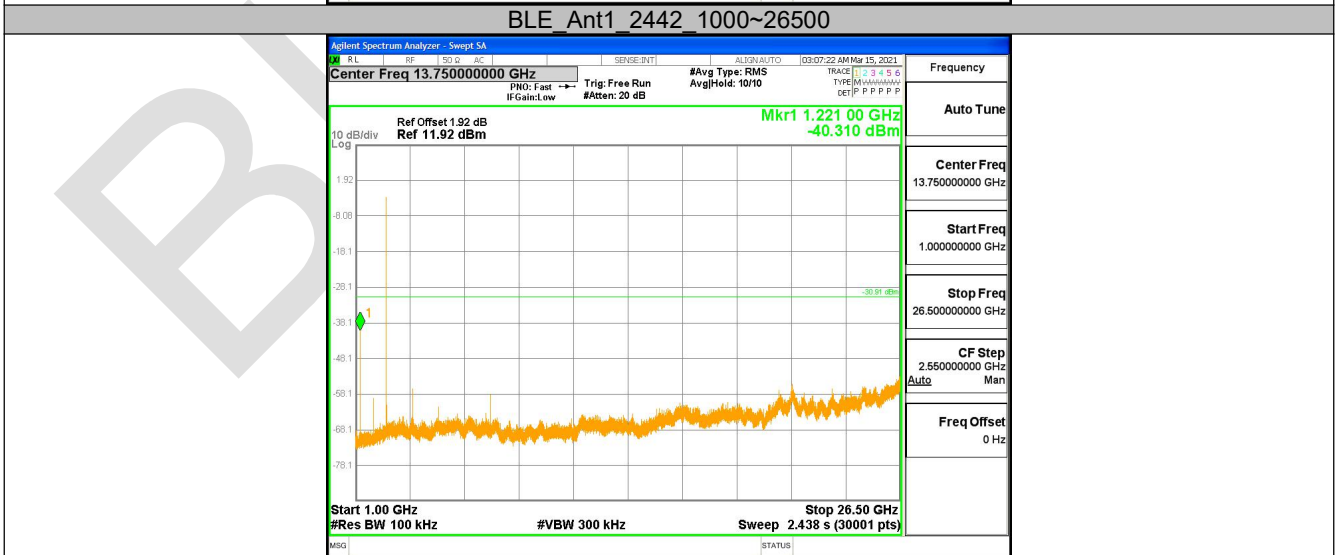
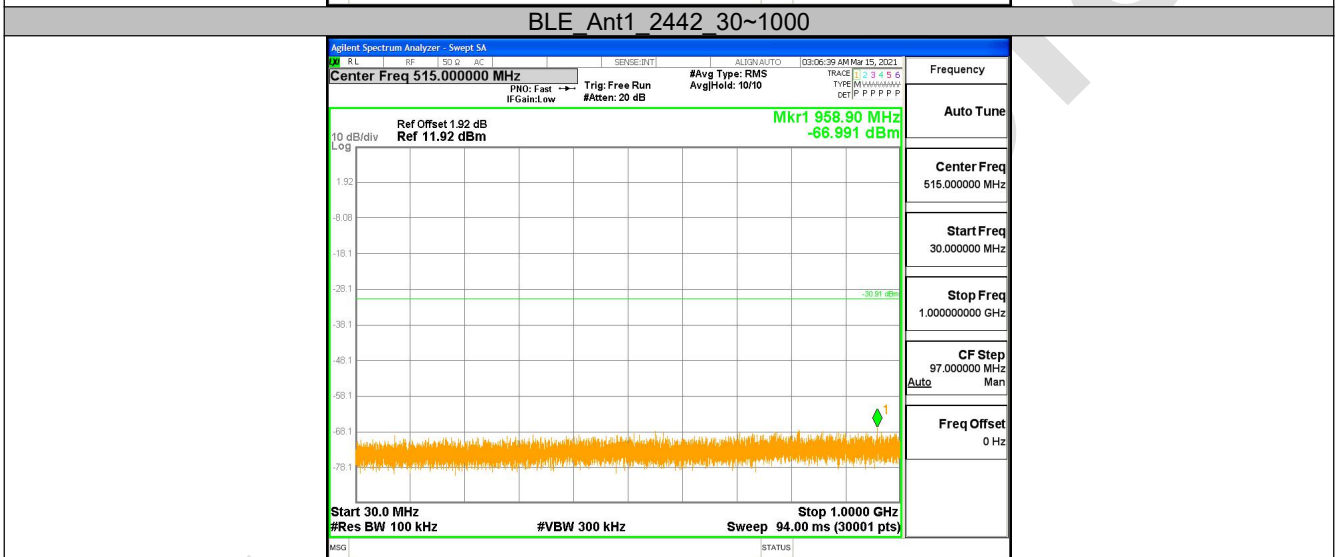
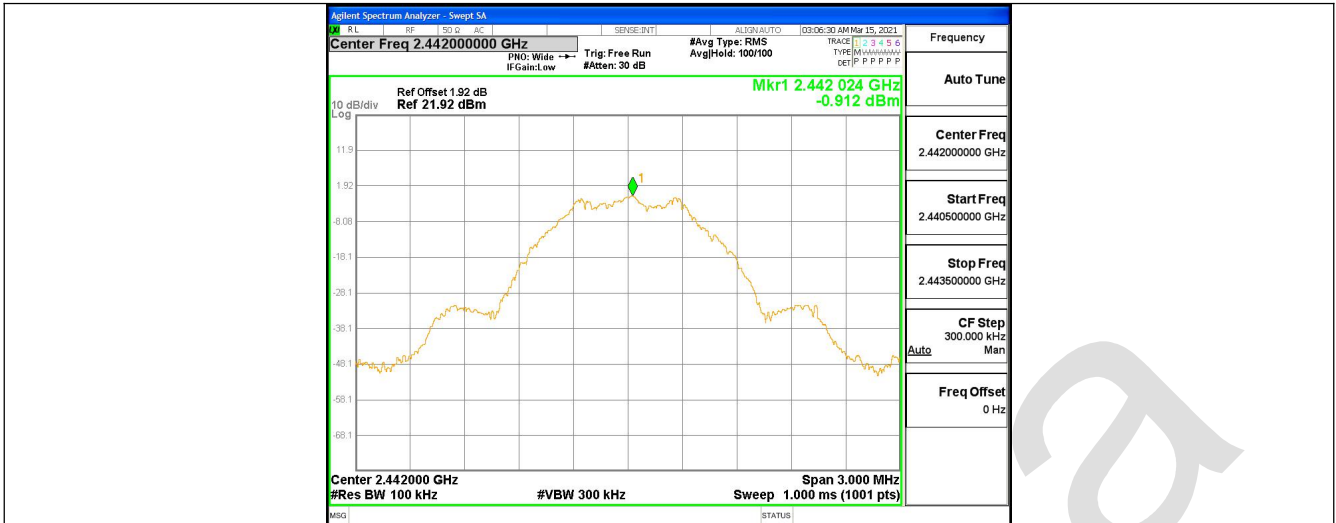
### Test Result

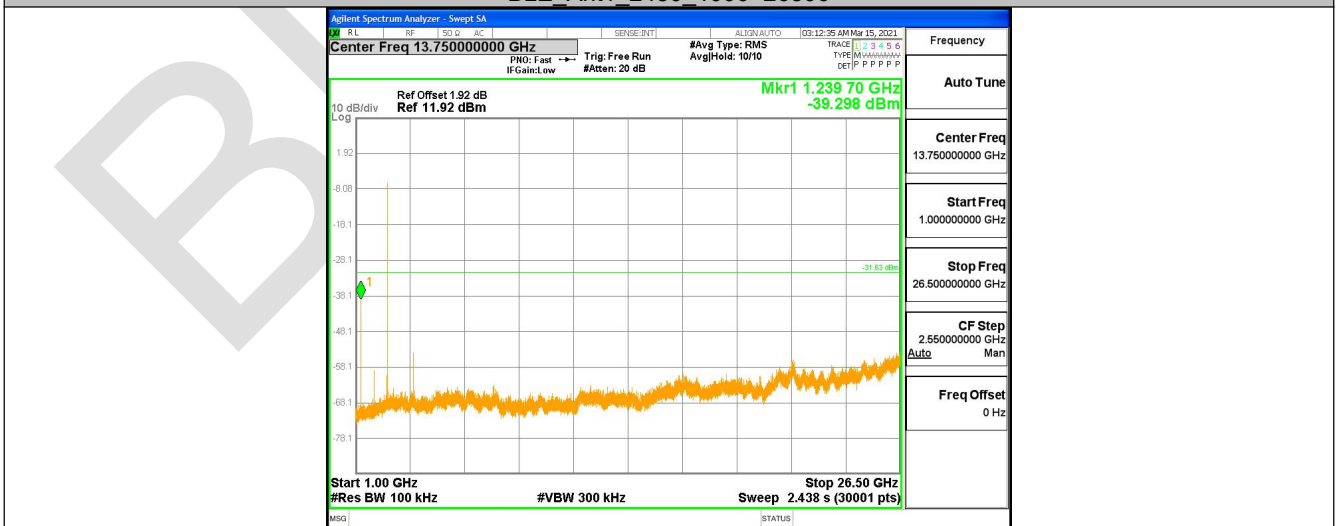
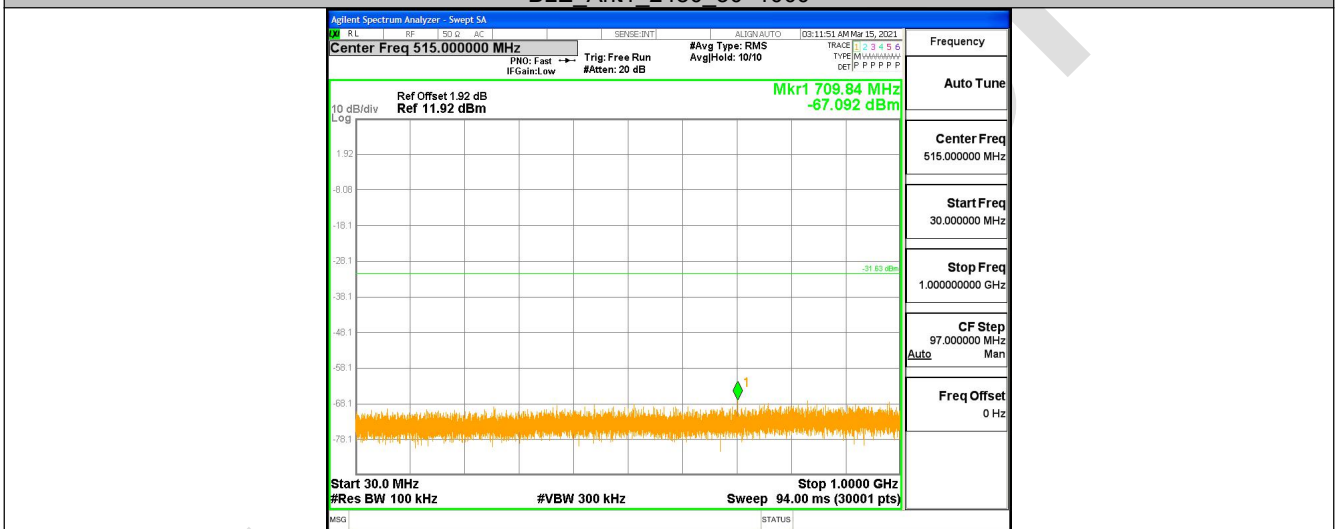
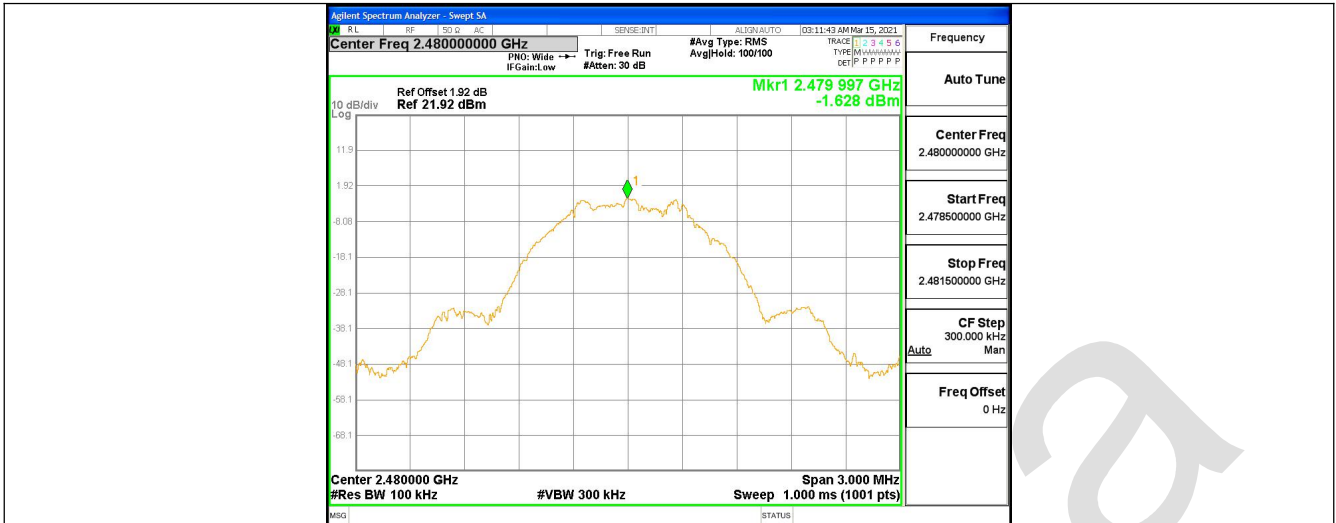
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	-0.56	-0.56	---	PASS
			30~1000	30~1000	-66.319	<=-30.561	PASS
			1000~26500	1000~26500	-42.201	<=-30.561	PASS
		2442	Reference	-0.91	-0.91	---	PASS
			30~1000	30~1000	-66.991	<=-30.912	PASS
			1000~26500	1000~26500	-40.31	<=-30.912	PASS
		2480	Reference	-1.63	-1.63	---	PASS
			30~1000	30~1000	-67.092	<=-31.628	PASS
			1000~26500	1000~26500	-39.298	<=-31.628	PASS



### Test Graphs

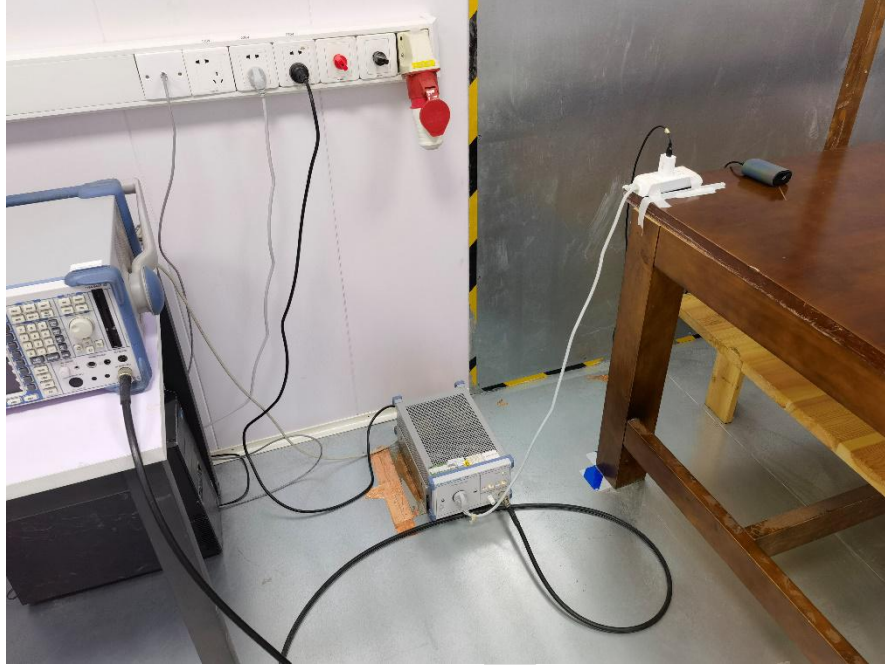






## APPENDIX A: PHOTOGRAPHS OF TEST SETUP

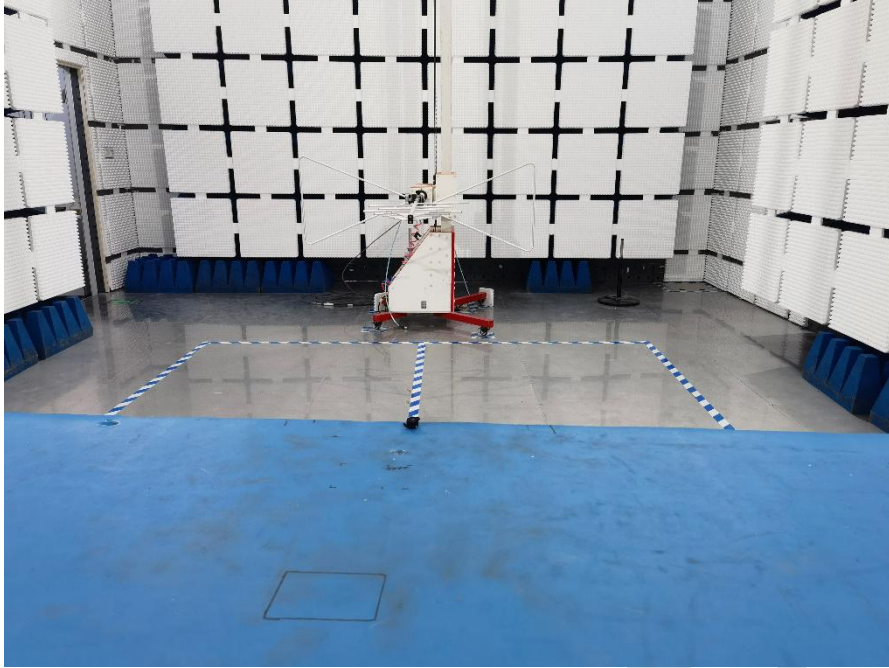
### Conducted Emissions at AC Power Line (150kHz-30MHz)



### Radiated Spurious Emissions







**APPENDIX B: PHOTOGRAPHS OF EUT**

Reference to the test report No. BLA-EMC-202103-A3601

**----END OF REPORT----**

The test report is effective only with both signature and specialized stamp, The result(s) shown in this report refer only to the sample(s) tested. Without written approval of BlueAsia, this report can't be reproduced except in full.