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FCC TEST REPORT

Application No.:	AR/2021/30017
Applicant:	Xiaomi Communications Co., Ltd.
Address of Applicant	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085
Manufacturer:	Xiaomi Communications Co., Ltd.
Address of Manufacturer	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085
EUT Description:	Mobile Phone
Model No.:	21061110AG
Trade Mark:	POCO
FCC ID:	2AFZZK110AG
Standards:	47 CFR FCC Part 2, Subpart J
	47 CFR Part 15, Subpart C
Date of Receipt:	2021/4/21
Date of Test:	2021/4/21 to 2021/5/14
Date of Issue:	2021/5/14
Test Result :	PASS *

In the configuration tested, the EUT detailed in this report complied with the standards specified above.

Authorized Signature:

Derele yang

Derek Yang Wireless Laboratory Manager



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1 Version

Revision Record					
Version	Chapter	Date	Modifier	Remark	
01		2021-05-14		Original	

Authorized for issue by:	
Prepared By	Dee.Zheng
Checked By	Jim Huang) / Reviewer



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2 Test Summary

Test Item	Test Requirement	Test Method	Test Result	Result	Test Lab*
AC Power Line Conducted Emission	15.207	ANSI C63.10 2013	Clause 4.2	PASS	В
Conducted Output Power	15.247 (b)(3)	ANSI C63.10 2013	Clause 4.3	PASS	А
DTS (6 dB) Bandwidth	15.247 (a)(2)	ANSI C63.10 2013	Clause 4.4	PASS	А
Power Spectral Density	15.247 (e)	ANSI C63.10 2013	Clause 4.5	PASS	А
Band-edge for RF Conducted Emissions	15.247(d)	ANSI C63.10 2013	Clause 4.6	PASS	А
RF Conducted Spurious Emissions	15.247(d)	ANSI C63.10 2013	Clause 4.7	PASS	А
Radiated Spurious Emissions	15.205/15.209	ANSI C63.10 2013	Clause 4.8	PASS	В
Restricted bands around fundamental frequency (Radiated Emission)	15.205/15.209	ANSI C63.10 2013	Clause 4.9	PASS	В

Remark : All test were performed by Lab A and B.

Lab A SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Lab B SGS-CSTC STANDARDS TECHNICAL SERVICES (XI 'AN) CO., LTD.



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3 General Information

3.1 Details of Client

Applicant:	Xiaomi Communications Co., Ltd.
Address of Applicant	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085
Manufacturer:	Xiaomi Communications Co., Ltd.
Address of Manufacturer	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085

3.2 Test Location

Lab A:

Company:	SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch
Address:	No. 1 Workshop, M-10, Middle section, Science & Technology Park, Shenzhen, Guangdong, China
Post code:	518057
Test engineer:	Dee Zheng,Swing Hu,Habit Zeng

Lab B:

Company:	SGS-CSTC STANDARDS TECHNICAL SERVICES (XI 'AN) CO., LTD.
Address:	1/F, Unit D, Building 1, Kanghong Orange Technology Park, No.137, Keyuan 3rd Road, Fengdong New City, Xi'an, Shaanxi China
Post code:	710086
Test engineer:	Leah Chen,Ken Liu,Andy Yao



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3.3 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

Lab A:

• A2LA (Certificate No. 3816.01)

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

• VCCI

The 3m Fully-anechoic chamber for above 1GHz, 10m Semi-anechoic chamber for below 1GHz, Shielded Room for Mains Port Conducted Interference Measurement and Telecommunication Port Conducted Interference Measurement of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-20026, R-14188, C-12383 and T-11153 respectively.

• FCC – Designation Number: CN1178

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1178. Test Firm Registration Number: 406779.

Innovation, Science and Economic Development Canada

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0006.

IC#: 4620C.

Lab B:

A2LA (Certificate No. 4854.01)

SGS-CSTC STANDARDS TECHNICAL SERVICES (XI 'AN) CO., LTD. is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 4854.01.

FCC-Designation Number: CN1271.



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3.4 General Description of EUT

EUT Description:	Mobile Phone
Model No.:	21061110AG
Trade Mark:	POCO
Hardware Version:	P2
Software Version:	MIUI 12
Operation Frequency:	2400MHz~2483.5MHz fc = 2402 MHz + N * 2 MHz, where: -fc = "Operating Frequency" in MHz, -N = "Channel Number" with the range from 0 to 39.
Bluetooth version:	Bluetooth V5.2
Modulation Type:	GFSK
Number of Channel:	40
Sample Type:	Portable Device, Module
Antenna Type:	PIFA Antenna
Antenna Gain:	0.12dBi

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



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Remark:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Channel	Frequency
The Lowest channel(CH0)	2402MHz
The Middle channel(CH19)	2440MHz
The Highest channel(CH39)	2480MHz

3.5 Test Environment

Operating Environment:			
Temperature:	25.0 °C		
Humidity:	50 % RH		
Atmospheric Pressure:	101.30 KPa		

3.6 Description of Support Units

The EUT has been tested independent unit.



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4 Test results and Measurement Data

4.1 Antenna Requirement

Standard requirement: 47 CFR Part 15C Section 15.203 /247(c)

15.203 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 a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, 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.

15.247(b) (4) requirement:

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.

The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is 0.12dBi.



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4.2 AC Power Line Conducted Emissions

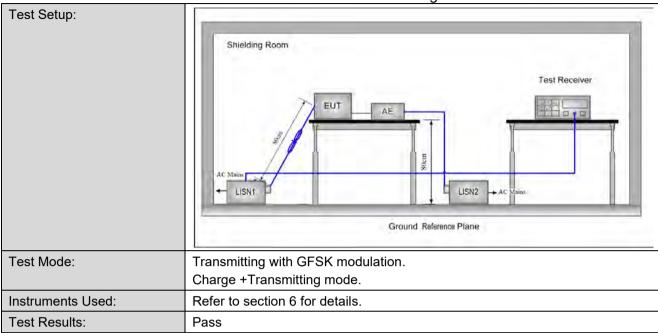
Test Requirement:	47 CFR Part 15C Section 15.207			
Test Method:	ANSI C63.10: 2013			
Test Frequency Range:	150kHz to 30MHz			
Limit:		Limit (dBuV)		
	Frequency range (MHz)	Quasi-peak	Average	
	0.15-0.5	66 to 56*	56 to 46*	
	0.5-5	56	46	
	5-30	60	50	
	* Decreases with the log	arithm of the frequency.		
Test Procedure:	 room. 2) The EUT was connected impedance Stabilization impedance. The process connected to a second plane in the same of multiple socket outlet single LISN provided 3) The tabletop EUT was ground reference plane placed on the horizon 4) The test was perform the EUT shall be 0, vertical ground reference plane. The unit under test and mounted on top of the the closest points of and associated equip 5) In order to find the mand all of the interfate 	disturbance voltage test was of ected to AC power source to tion Network) which provides ower cables of all other un nd LISN 2, which was bonded way as the LISN 1 for the un the rating of the LISN was not as placed upon a non-metalling inte. And for floor-standing arra- ntal ground reference plane. ed with a vertical ground reference the ration the vertical ground reference to a splaced to a ground reference to a ground reference plane. A m from the vertical ground reference to a splaced to a ground reference plane. A m from the vertical ground reference plane was bonded to a LISN 1 was placed 0.8 m from the LISN 1 and the EUT. All ownent was at least 0.8 m from the cables must be changed action on conducted measurement.	hrough a LISN 1 (Line a $50\Omega/50\mu$ H + 5Ω linear nits of the EUT were to the ground reference unit being measured. A ultiple power cables to a at exceeded. c table 0.8m above the angement, the EUT was rence plane. The rear of d reference plane. The the horizontal ground om the boundary of the rence plane for LISNs s distance was between I other units of the EUT the LISN 2. e positions of equipment	



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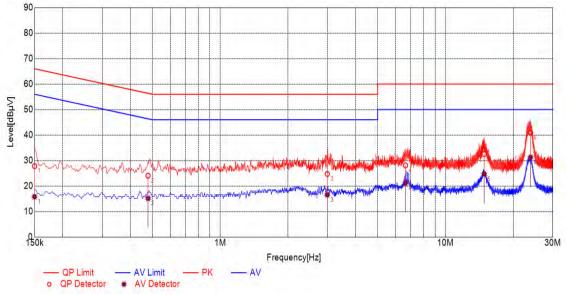
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Measurement Data

An initial pre-scan was performed on the live and neutral lines with peak detector.

Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission were detected.

Live Line:



Test Graph

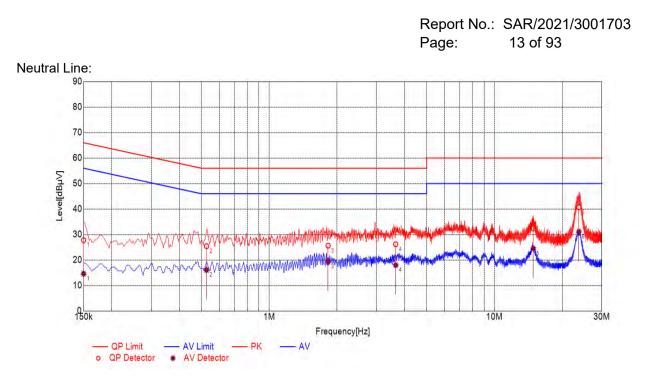
Final	Final Data List							
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV]	QP Limit [dBµV]	QP Margin [dB]	AV Value [dBµV]	AV Limit [dBµV]	AV Margin [dB]
1	0.1500	10.10	27.82	66.00	38.18	15.82	56.00	40.18
2	0.4784	10.10	24.07	56.37	32.30	15.20	46.37	31.17
3	2.9886	10.10	24.72	56.00	31.28	16.58	46.00	29.42
4	6.6487	10.10	28.10	60.00	31.90	21.20	50.00	28.80
5	14.8606	10.11	32.52	60.00	27.48	24.64	50.00	25.36
6	23.8789	10.11	40.96	60.00	19.04	31.24	50.00	18.76



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Test Graph

Final	Final Data List							
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV]	QP Limit [dBµV]	QP Margin [dB]	AV Value [dBµV]	AV Limit [dBµV]	AV Margin [dB]
1	0.1500	10.10	27.76	66.00	38.24	14.61	56.00	41.39
2	0.5273	10.10	25.42	56.00	30.58	16.09	46.00	29.91
3	1.8263	10.10	25.63	56.00	30.37	19.48	46.00	26.52
4	3.6448	10.10	26.18	56.00	29.82	18.00	46.00	28.00
5	14.8840	10.11	32.36	60.00	27.64	24.47	50.00	25.53
6	23.7002	10.11	40.65	60.00	19.35	31.07	50.00	18.93

Remark:

- 1. The following Quasi-Peak and Average measurements were performed on the EUT:
- 2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.



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4.3 Duty Cycle

The detailed test data see: Appendix



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4.4 Conducted Output Power

Test Requirement:	47 CFR Part 15C Section 15.247 (b)(3)		
Test Method:	ANSI C63.10 :2013 Section 11.9.1.1		
Test Setup:	Spectrum Analyzer E.U.T Non-Conducted Table		
	Ground Reference Plane		
Test Instruments:	Refer to section 6 for details		
Test Mode:	Transmitting with GFSK modulation.		
Limit:	30dBm		
Test Results:	Pass		

The detailed test data see: Appendix

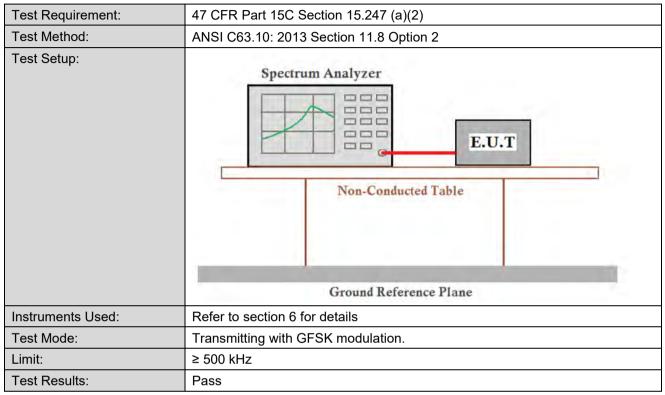


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4.5 DTS (6 dB) Bandwidth



The detailed test data see: Appendix

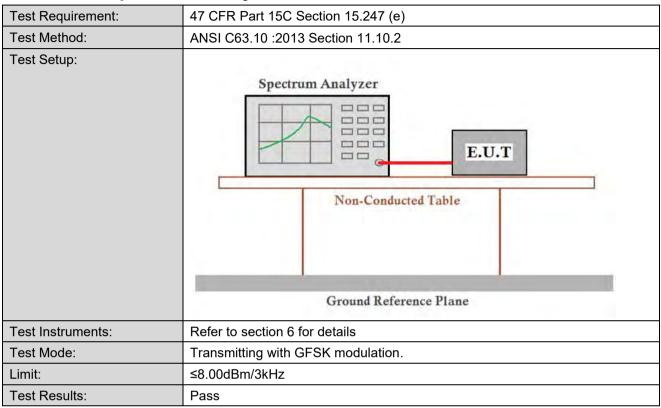


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4.6 Power Spectral Density



The detailed test data see: Appendix



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4.7 Band-edge for RF Conducted Emissions

Test Requirement:	47 CFR Part 15C Section 15.247 (d)	
Test Method:	ANSI C63.10: 2013 Section 11.13	
Test Setup:	Spectrum Analyzer E.U.T Non-Conducted Table	
	Ground Reference Plane	
Instruments Used:	Refer to section 6 for details	
Test Mode:	Transmitting with GFSK modulation.	
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.	
Test Results:	Pass	

The detailed test data see: Appendix

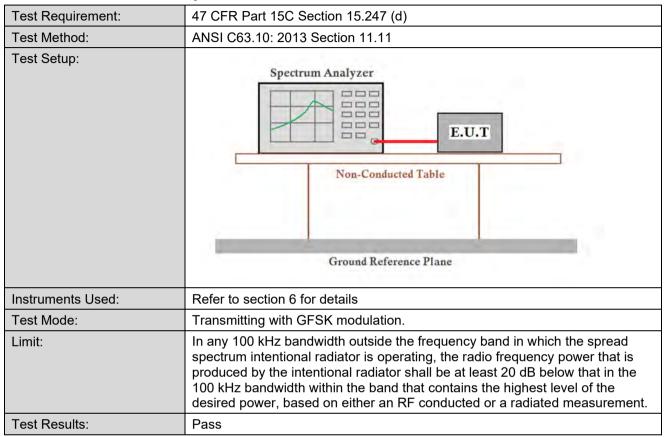


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4.8 **RF Conducted Spurious Emissions**



The detailed test data see: Appendix



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4.9 Radiated Spurious Emissions

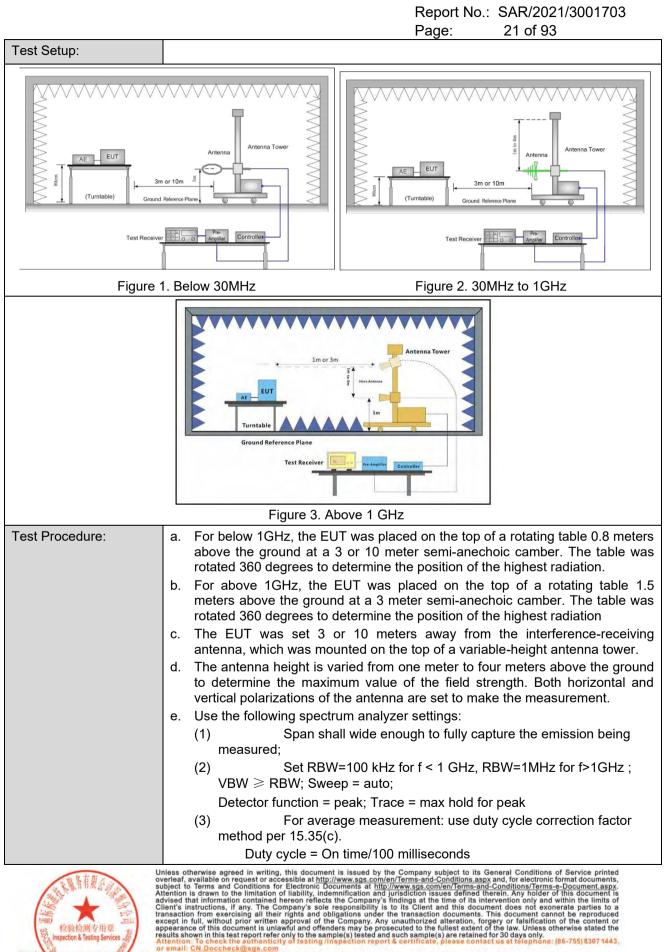
Test Requirement:	47 CFR Part 15C Section 15.209 and 15.205					
Test Method:	ANSI C63.10 :2013 Section 11.12					
Test Site:	Measurement Distance:	3m (Semi-Anechoi	ic Chamber)			
Receiver Setup:	Frequency Detector RBW V		VBW	Remark		
	0.009MHz-0.090MHz	Peak	10kHz	30kHz	Peak	
	0.009MHz-0.090MHz	Average	10kHz	30kHz	Average	
	0.090MHz-0.110MHz	Quasi-peak	10kHz	30kHz	Quasi-peak	
	0.110MHz-0.490MHz	Peak	10kHz	30kHz	Peak	
	0.110MHz-0.490MHz	Average	10kHz	30kHz	Average	
	0.490MHz -30MHz	Quasi-peak	10kHz	30kHz	Quasi-peak	
	30MHz-1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak	
	Above 1GHz	Peak	1MHz	3MHz	Peak	
	Above IGHZ	Peak	1MHz	10Hz	Average	
Limit:	Frequency	Field strength (microvolt/meter)	Limit (dBuV/m)	Remark	Measurement distance (m)	
	0.009MHz-0.490MHz	2400/F(kHz)	-	-	300	
	0.490MHz-1.705MHz	24000/F(kHz)	-	-	30	
	1.705MHz-30MHz 30		-	-	30	
	30MHz-88MHz	100	40.0	Quasi-peak	3	
	88MHz-216MHz	150	43.5	Quasi-peak	3	
	216MHz-960MHz	200	46.0	Quasi-peak	3	
	960MHz-1GHz	500	54.0	Quasi-peak	3	
	Above 1GHz 500 54.0 Average 3					
	Remark: 15.35(b),Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.					



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	On time = N 1 *L 1 +N 2 *L 2 ++N n-1 *LN n-1 +N n *L n				
	Where N 1 is number of type 1 pulses, L 1 is length of type 1 pulses, etc.				
	Average Emission Level = Peak Emission Level + 20*log(Duty cycle)				
	f. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters(for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.				
	g. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.				
	h. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.				
	i. Test the EUT in the lowest channel, the middle channel ,the Highest channel.				
	j. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, And found the X axis positioning which it is worse case.				
	k. Repeat above procedures until all frequencies measured was complete.				
Exploratory Test Mode:	Transmitting with GFSK modulation.				
	Charge + Transmitting mode.				
Final Test Mode:	Transmitting with GFSK modulation.				
	Pretest the EUT at Charge + Transmitting mode,				
	For below 1GHz part, through pre-scan, the worst case is the lowest channel. Only the worst case is recorded in the report.				
Instruments Used:	Refer to section 6 for details				
Test Results:	Pass				

The detailed test data see: Appendix



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Turntabl

Ground Reference Plan

Test Receiver

Figure 2. Above 1 GHz

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4.10Restricted bands around fundamental frequency

or 10m

Figure 1. 30MHz to 1GHz

Controller

Ground Reference Plan

Test Receiver

(Turntable)

Test Requirement:	47 CFR Part 15C Section 15.209 and 15.205			
Test Method:	ANSI C63.10: 2013 Section 11.12			
Test Site:	Measurement Distance: 3m (Semi-Anechoic Chamber)			
Limit:	Frequency	Limit (dBuV/m)	Remark	
	30MHz-88MHz	40.0	Quasi-peak	
	88MHz-216MHz	43.5	Quasi-peak	
	216MHz-960MHz	46.0	Quasi-peak	
	960MHz-1GHz	54.0	Quasi-peak	
		54.0	Average Value	
	Above 1GHz	74.0	Peak Value	
Test Setup:				
	Antenna Tower		m or 3m	



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	5		
Test Procedure:	a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.		
	b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.		
	c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.		
	d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.		
	e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.		
	f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.		
	g. Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel		
	h. Test the EUT in the lowest channel , the Highest channel		
	 i. The radiation measurements are performed in X, Y, Z axis positioning fo Transmitting mode, And found the X axis positioning which it is worse case. j. Repeat above procedures until all frequencies measured was complete. 		
	j. Repeat above procedures until all frequencies measured was complete.		
Exploratory Test Mode:	Transmitting with GFSK modulation.		
	Charge + Transmitting mode.		
Final Test Mode:	Transmitting with GFSK modulation.		
	Pretest the EUT at Charge + Transmitting mode.		
	Only the worst case is recorded in the report.		
Instruments Used:	Refer to section 6 for details		
Test Results:	Pass		

The detailed test data see: Appendix



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5 Measurement Uncertainty (95% confidence levels, k=2)

Lab A:		
No.	Item	Measurement Uncertainty
1	Total RF power, conducted	±0.41dB
2	RF power density, conducted	±1.96dB
3	Spurious emissions, conducted	±0.41dB
4	Radio Frequency	±7.10 x 10 ⁻⁸
5	Duty Cycle	±0.49%
6	Occupied Bandwidth	±0.2%

Lab B:

No.	Item	Measurement Uncertainty
1	Conduction Emission	± 3.0dB (150kHz to 30MHz)
		± 4.8dB (Below 1GHz)
2	Radiated Emission	± 4.8dB (1GHz to 6GHz)
2		± 4.5dB (6GHz to 18GHz)
		± 5.02dB (Above 18GHz)



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6 Equipment List

RF conducted							
Test Equipment	est Equipment Manufacturer		Model No. Inventory No.		Cal. Due date (yyyy-mm-dd)		
Signal Analyzer	Rohde & Schwarz	FSV	W025-05	2021/4/14	2022/4/13		
DC Power Supply	DC Power Supply Rohde & Schwarz		W009-08	2020/7/15	2021/7/15		
Power Meter	Power Meter Rohde & Schwarz		SEM014-02	2020/7/14	2021/7/13		
Humidity/ Temperature Indicator Humidity/ Temperature Indicator Hoteorological Industry Factory		HTC-1	W006-17	2021/4/14	2022/4/13		

CE Test System								
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date			
Shielding Room	Brilliant-emc	N/A	XAW03-35-01	2019-09-11	2022-09-10			
Test receiver	ROHDE&SCHWARZ	ESR	XAW01-08-01	2020-09-11	2021-09-10			
Artificial network	ROHDE&SCHWARZ	ENV216	XAW01-04-01	2020-08-04	2021-08-03			
Temperature and humidity meter	MingGao	TH101B	XAW01-01-01	2020-11-06	2021-11-05			
Measurement Software	Tonscend	TS+ CE V2.5	XAW02-05-02	NCR	NCR			



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RSE Test System								
Equipment	Manufacturer	Model No.	Model No. Inventory No.		Cal Due Date			
Semi-Anechoic Chamber	Brilliant-emc	N/A	XAW03-35-01	2019-09-11	2022-09-10			
MXA signal analyzer	Keysight	N9020A	XAW01-06-01	2021-04-01	2022-03-31			
Test receiver	ROHDE&SCHWARZ	ESR	XAW01-08-01	2020-09-11	2021-09-10			
Receiving antenna (30MHz-3GHz)	Schwarzbeck	VULB 9163	XAW01-09-01	2019-10-13	2021-10-12			
Receiving antenna (1GHz~18GHz)	Schwarzbeck	BBHA 9120D	XAW01-09-02	2019-10-13	2021-10-12			
Receiving antenna (15GHz~40GHz)	Schwarzbeck	BBHA 9170	XAW01-09-03	2019-10-13	2021-10-12			
Directional antenna rack controller	Max-Full	MF-7802BS	XAW03-03-01	NCR	NCR			
High-speed antenna rack controller	Max-Full	MF-7802	XAW03-04-01	NCR	NCR			
Filter bank	Tonscend	JS0806-F	XAW03-05-01	NCR	NCR			
Filter bank	Tonscend	JS0806s	XAW03-05-02	NCR	NCR			
Amplifier	Tonscend	TAP00903040	XAW01-41-01	2020-10-26	2021-10-25			
Amplifier	Tonscend	TAP01018048	XAW01-41-02	2020-10-26	2021-10-25			
Amplifier Tonscend		TAP18040048	XAW01-41-03	2020-10-27	2021-10-26			
Amplifier	Amplifier Shanghai Steed		XAW01-41-06	2020-10-26	2021-10-25			
Temperature and humidity meter	MingGao	TH101B	XAW01-01-01	2020-11-06	2021-11-05			
Measurement Software	Tonscend	TS+ RSE V3.0.0.2	XAW02-05-01	NCR	NCR			



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7 Photographs - EUT Constructional Details

Refer to Appendix A Setup Photos.



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Appendix



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DTS Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
		2402	0.669	2401.670	2402.339	0.5	PASS
BLE_1M	Ant1	2440	0.672	2439.670	2440.342	0.5	PASS
		2480	0.672	2479.670	2480.342	0.5	PASS
		2402	1.190	2401.410	2402.600	0.5	PASS
BLE_2M	Ant1	2440	1.190	2439.410	2440.600	0.5	PASS
		2480	1.180	2479.415	2480.595	0.5	PASS

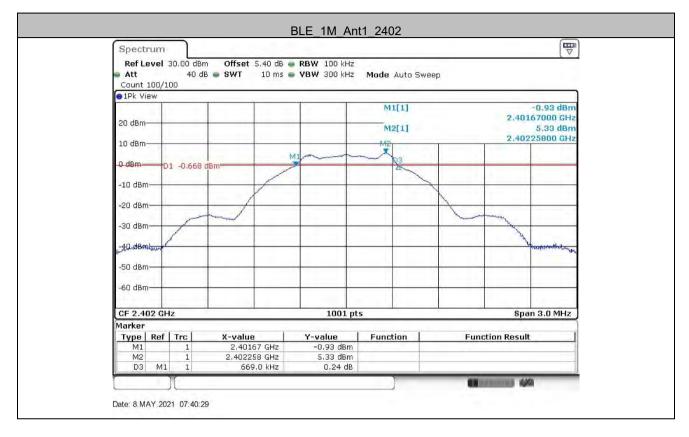


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Test Graphs



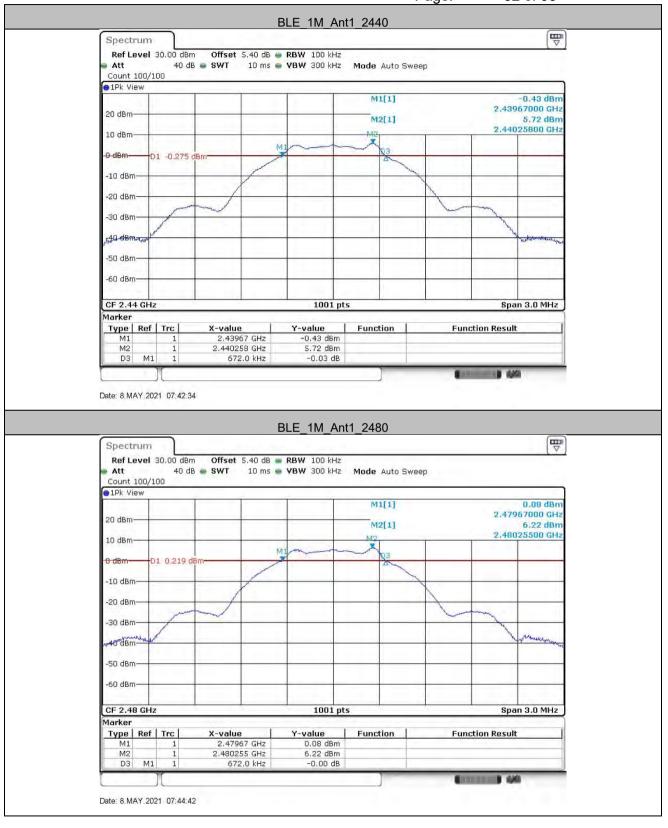


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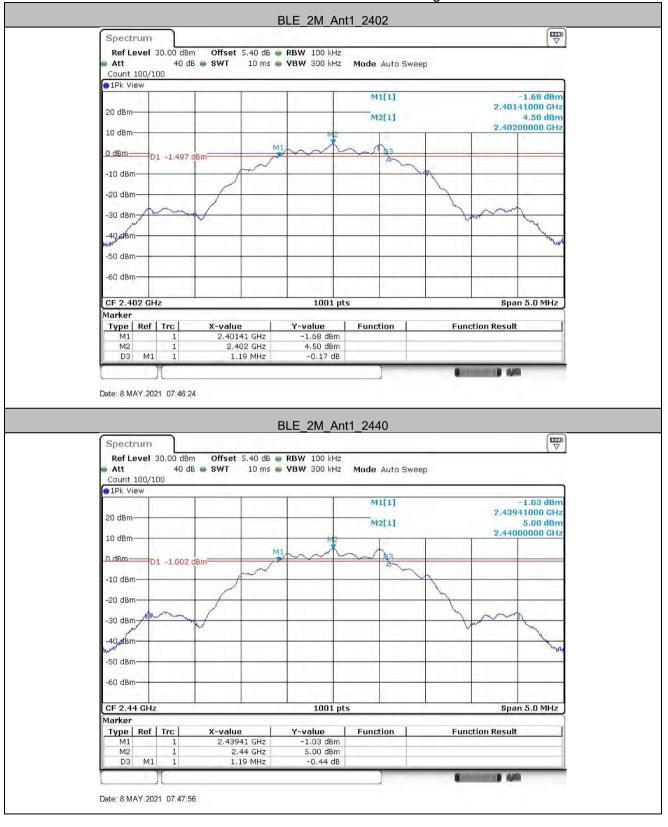
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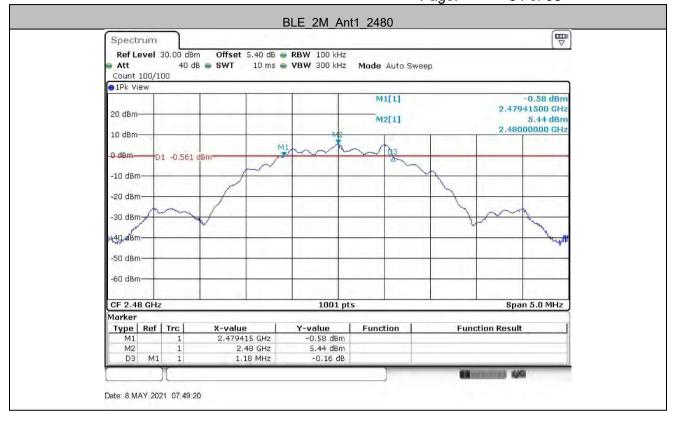
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Occupied Channel Bandwidth Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
		2402	1.025	2401.502	2402.527		PASS
BLE_1M	Ant1	2440	1.028	2439.500	2440.527		PASS
		2480	1.025	2479.502	2480.527		PASS
		2402	2.063	2400.981	2403.044		PASS
BLE 2M	Ant1	2440	2.058	2438.981	2441.039		PASS
		2480	2.058	2478.981	2481.039		PASS



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Test Graphs

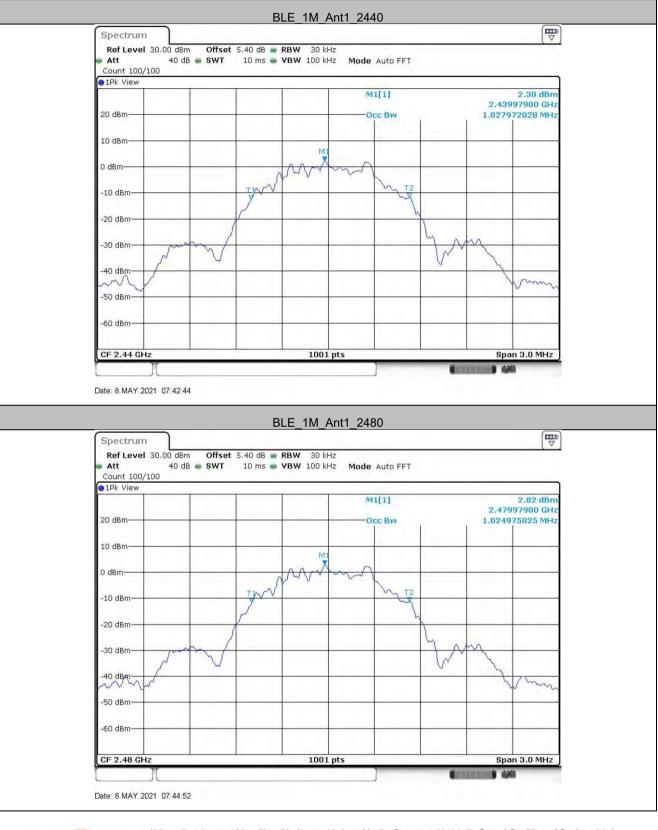




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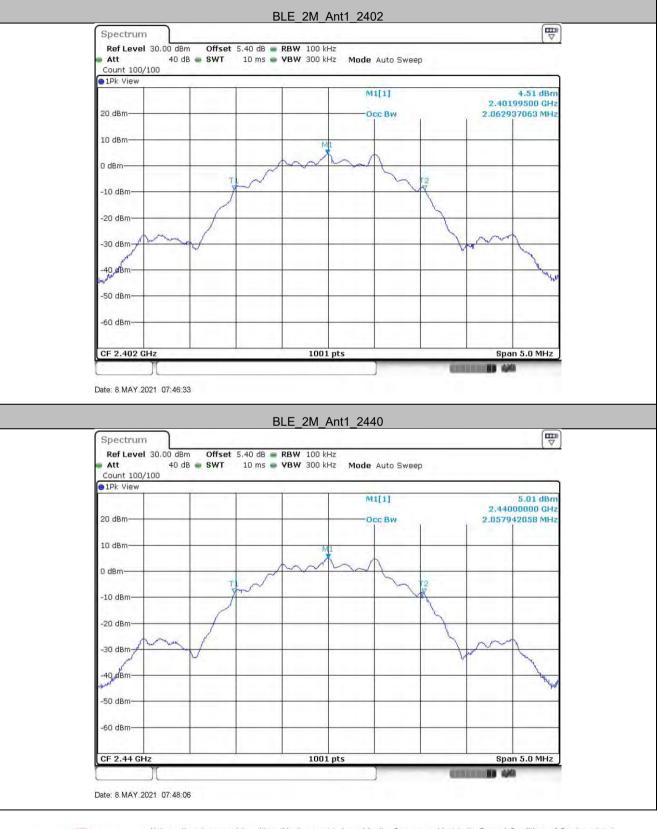


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Maximum conducted output power Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
		2402	5.71	<=30	PASS
BLE_1M	Ant1	2440	6.14	<=30	PASS
		2480	6.61	<=30	PASS
		2402	5.79	<=30	PASS
BLE_2M	Ant1	2440	6.22	<=30	PASS
		2480	6.62	<=30	PASS



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Test Graphs





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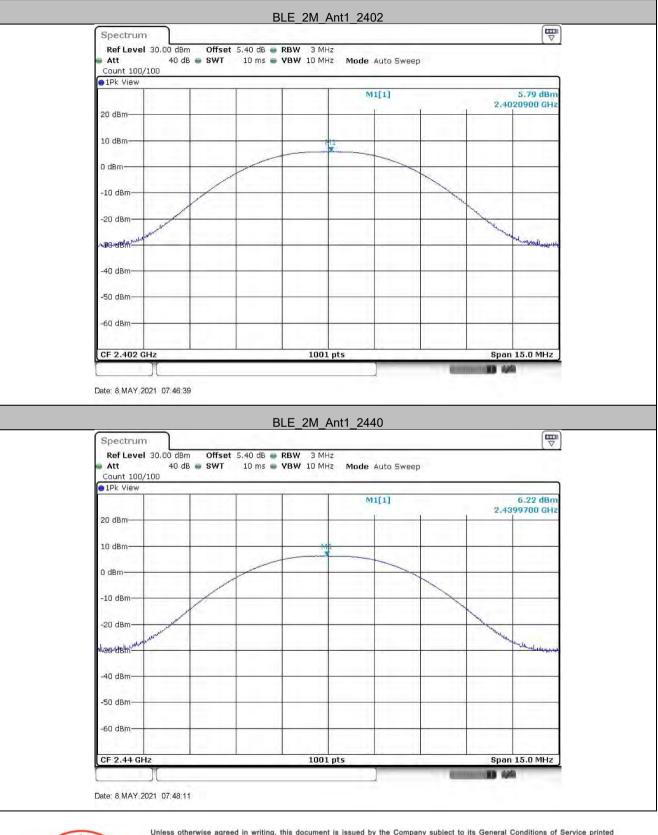


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Maximum power spectral density Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
		2402	-11.26	<=8	PASS
BLE_1M	Ant1	2440	-10.73	<=8	PASS
		2480	-10.23	<=8	PASS
		2402	-13.18	<=8	PASS
BLE_2M	Ant1	2440	-12.72	<=8	PASS
		2480	-12.28	<=8	PASS

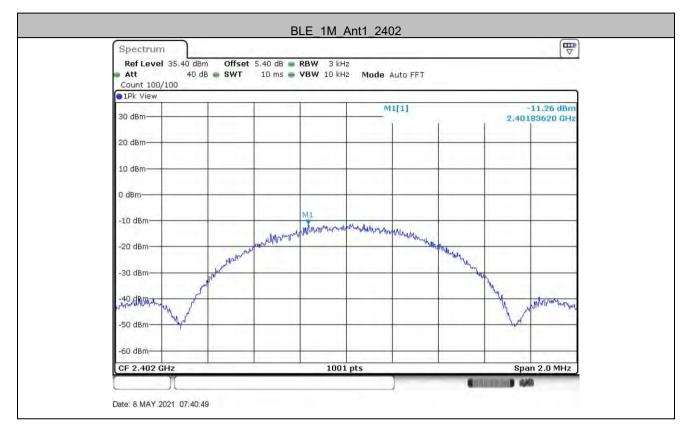


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Test Graphs



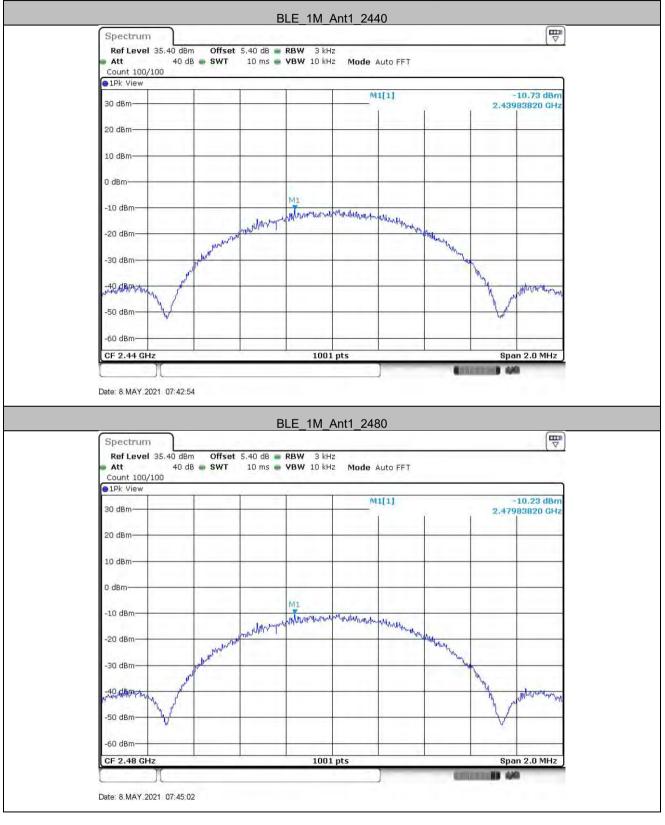


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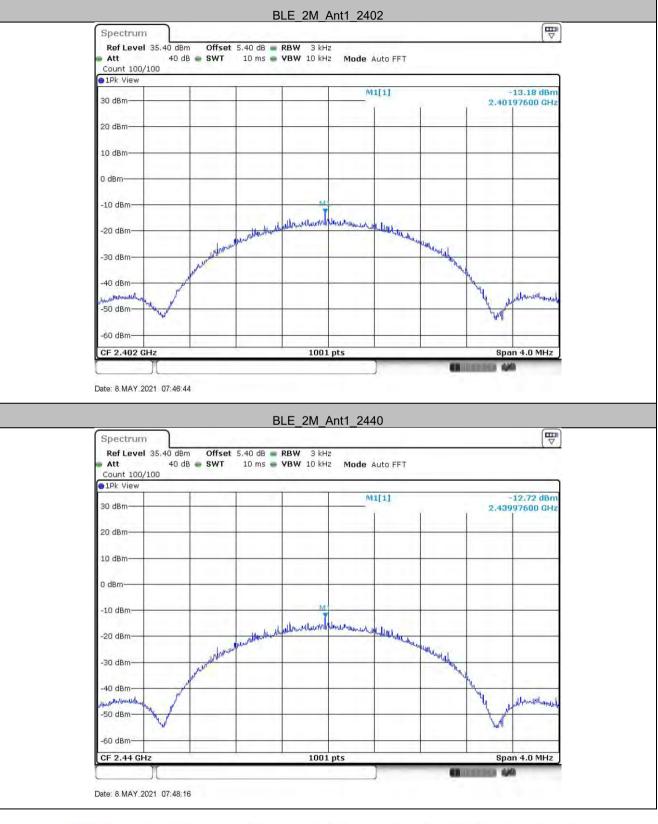


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Band edge measurements Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
		Low	2402	5.27	-53.41	<=-14.73	PASS
BLE_1M	Ant1	High	2480	6.27	-53.69	<=-13.73	PASS
		Low	2402	4.53	-28.27	<=-15.47	PASS
BLE_2M	Ant1	High	2480	5.48	-53.48	<=-14.52	PASS



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Test Graphs

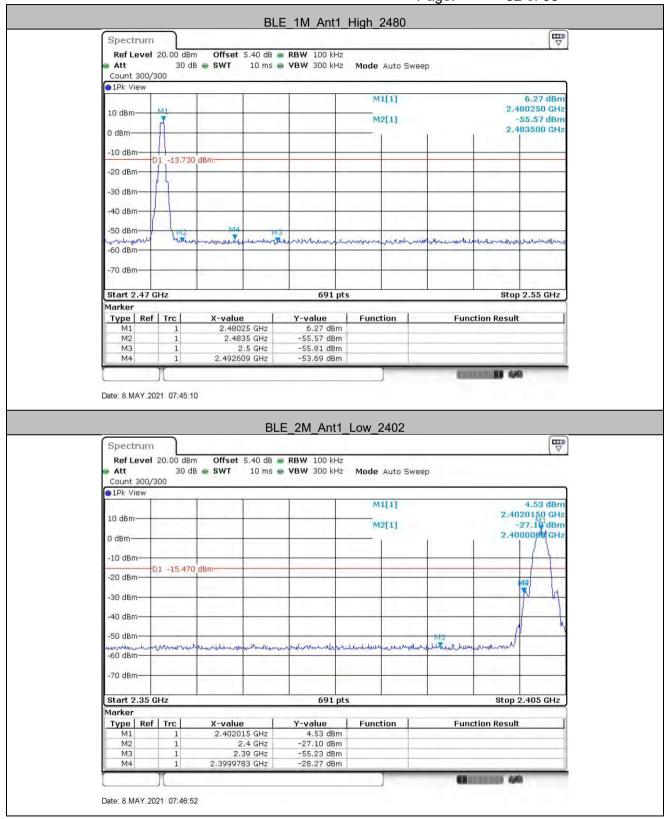
Spectrur	n]						
Ref Leve Att Count 300			iB 💼 RBW 100 kHz ns 🖶 VBW 300 kHz		Sweep		
01Pk View							
10 dBm				M1[1] M2[1]		2.40225	36rdBm
0 dBm					1		11
-10 dBm-	-D1 -14.73	0 dBm					1
-20 dBm-	101 -14,75	G GBIII					
-30 dBm	-				-		1
-40 dBm							-
-50 dBm					M3 M4	Ma	-{-
-60 dBm-	dualionation	administration of the second second	had with a many addition of the	numerrand	moundbernelynde	mountable	~
-70 dBm—							
Start 2.35	i GHz		691 p	ts		Stop 2.40	5 GHz
Marker							-
Type Re	ef Trc	X-value	Y-value	Function	Func	tion Result	
M1	1	2.402254 GHz			1	The second second	
M2	1	2.4 GHz					
M3	1	2.39 GHz					
M4	1	2.3935217 GHz	-53.41 dBm		1		_
	т				611	8 4/4	_



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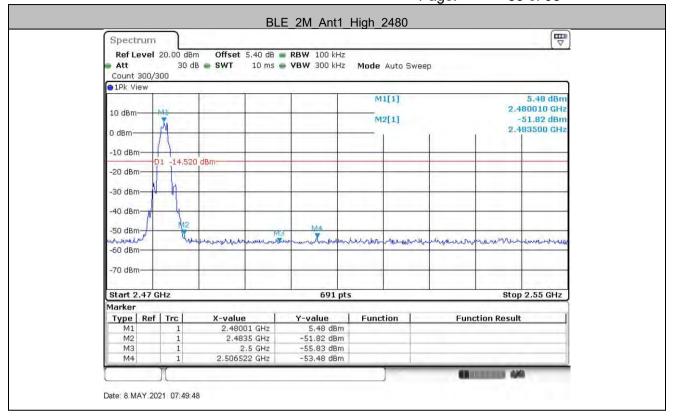
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Conducted Spurious Emission Test Result

FreqRange RefLevel TestMode Antenna Channel Result[dBm] Limit[dBm] Verdict [MHz] [dBm] 5.39 5.39 PASS Reference ---30~1000 2402 5.39 -41.76 <=-14.61 PASS 1000~26500 -26.97 <=-14.61 PASS 5.39 Reference 5.88 5.88 ---PASS BLE_1M Ant1 2440 30~1000 5.88 -42.31 <=-14.12 PASS <u><=-14</u>.12 1000~26500 5.88 -26.99 PASS Reference 6.33 6.33 PASS 2480 30~1000 -42.55 <=-13.67 PASS 6.33 1000~26500 6.33 -26.96 <=-13.67 PASS ---PASS Reference 4.68 4.68 30~1000 PASS 2402 4.68 -42.25 <=-15.32 1000~26500 4.68 -27.04 <=-15.32 PASS PASS Reference 5.16 5.16 ___ BLE 2M 2440 30~1000 -42.47 <=-14.84 PASS Ant1 5.16 1000~26500 5.16 -27.35 <=-14.84 PASS ---PASS Reference 5.57 5.57 2480 30~1000 5.57 -41.48 <=-14.43 PASS 1000~26500 5.57 -27.39 <=-14.43 PASS

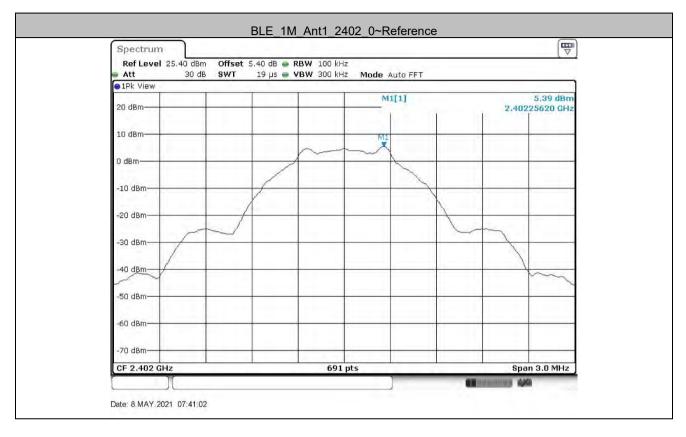


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Test Graphs

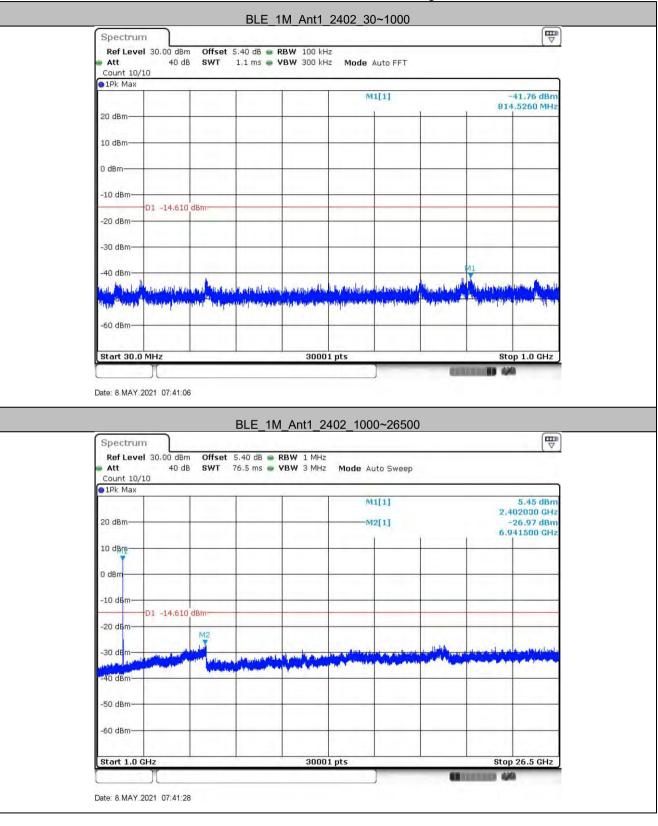




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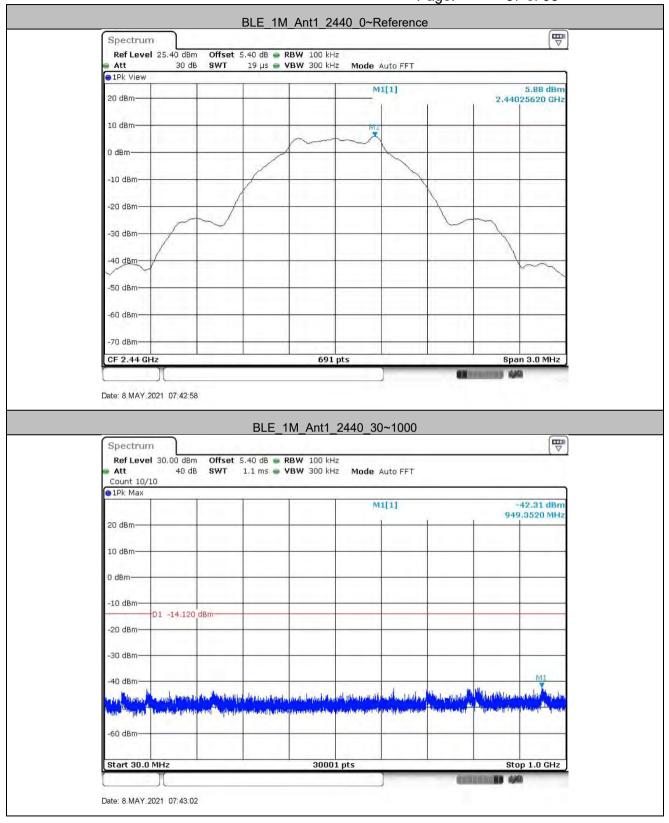


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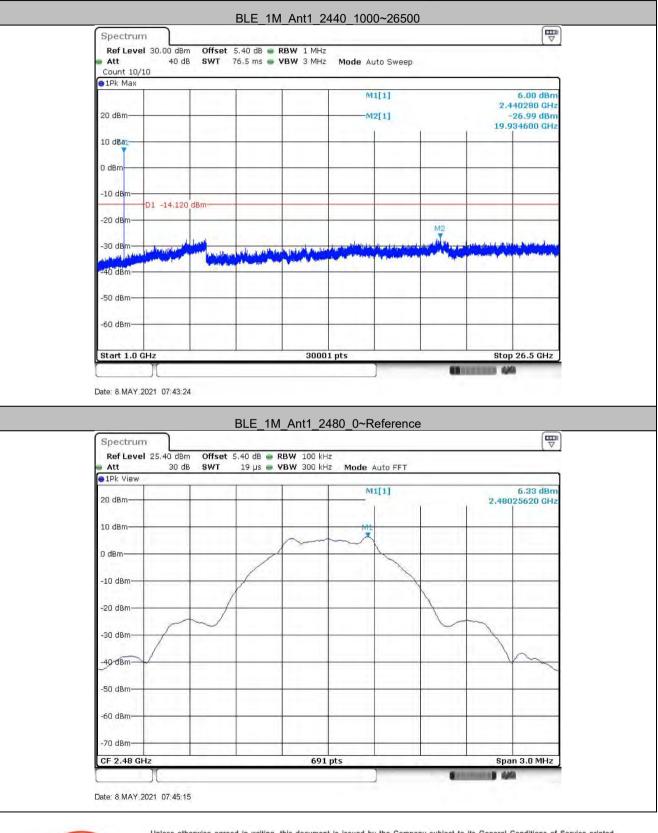


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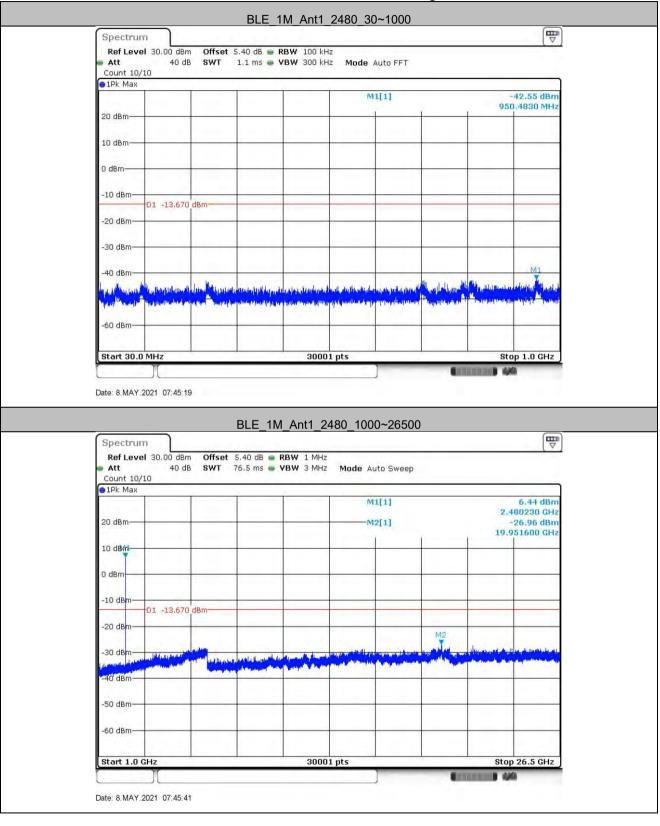


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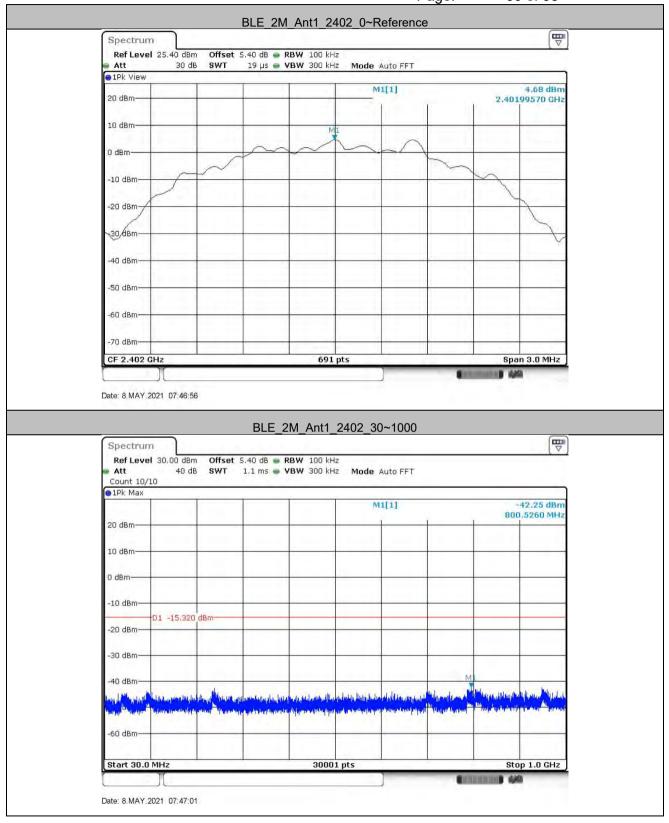


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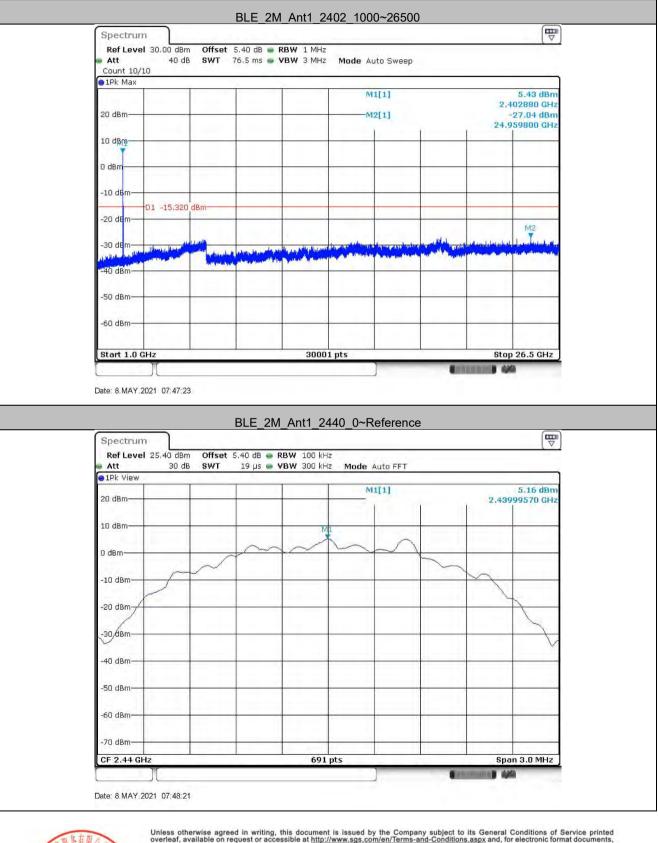


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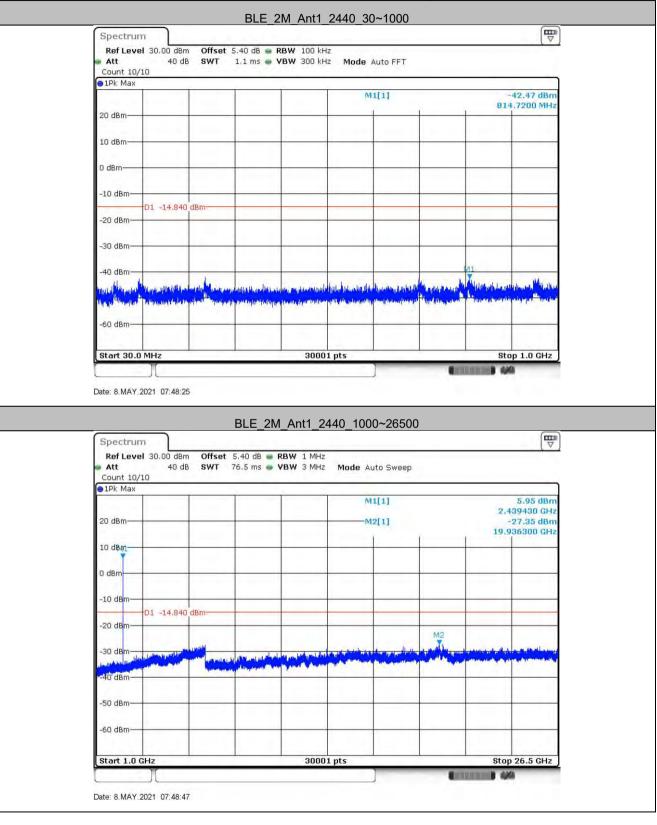


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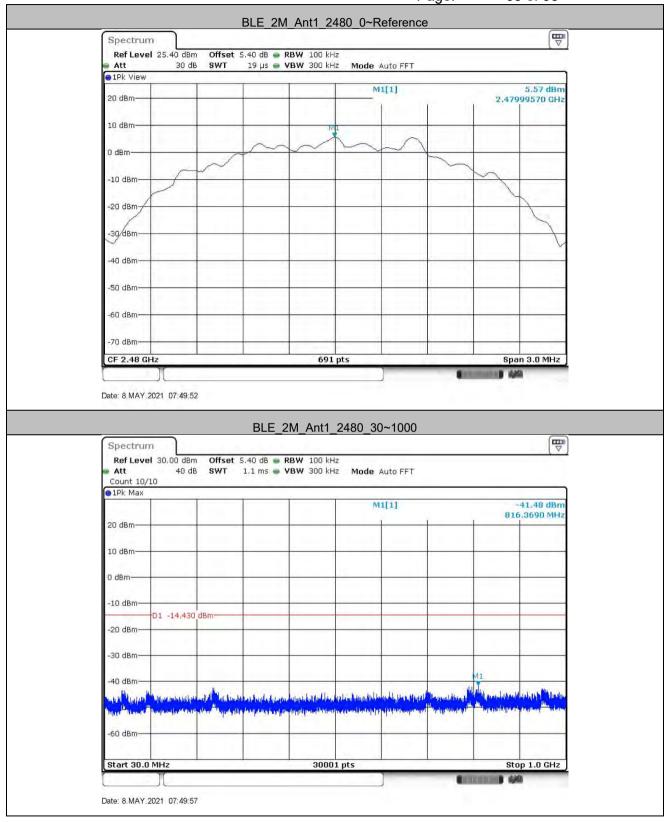


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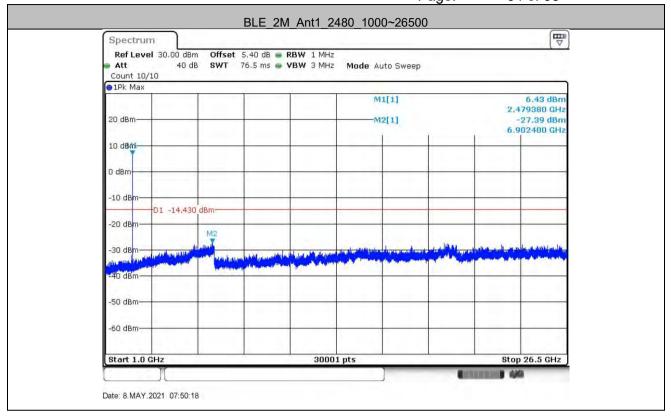


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Duty Cycle Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
		2402	2.10	2.47	85.02		PASS
BLE_1M	Ant1	2440	2.10	2.47	85.02		PASS
		2480	2.10	2.47	85.02		PASS
		2402	1.06	1.85	57.30		PASS
BLE_2M	Ant1	2440	1.06	1.85	57.30		PASS
		2480	1.06	1.85	57.30		PASS



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Test Graphs

Spectru	m								1
Ref Lev Att SGL TRG					 RBW 10 MHz VBW 10 MHz 				
91Pk Cirw			-						
20 dBm— 10 dBm—							[1] [1]		-4.81 dBr -4.939367 m 9.26 d 2.100263 m
-10 dBm- -20 dBm- 30 dBm- -40 dBm- -50 dBm-		RG -0.100							All sea ph
CF 2.402	CH	2			8000 p	te			500.0 µs/
Marker	-un	2			0000 p				500.0 µs/
Type F M1 D1	M1	1	2.100	367 ms 263 ms	Y-value -4.81 dBm 9.26 dB		ion	Function	Result
D2	M1	1	2,469	059 ms	-11.72 dB			CERTRE	100



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SQL TRG:VLD SDL BW MILII -5.96 dBm 20 dBm D121 -4.929992 ms D123 10 dBm D111 2.00263 ms D124 D124 400m FR0 0.200 dBm D124 D124 D124 D124 400m FR0 0.200 dBm D124	Ref Leve Att	1 30.00 dBr 40 d			RBW 10 MHz VBW 10 MHz			
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Type Ref Trc X-value Y-value Function Function Result M1 1 -4.939992 ms -8.01 dBm	Date: 8.MAY.2 Spectrum Ref Leve Att SGL TRG:V 10 dBm 10 dBm 10 dBm 10 dBm -20 dBm -20 dBm -50 dBm -50 dBm	2021 07:42:2 1 30.00 dBr 40 d ID	m Offset 5,4 B e SWT	10 dB 🕳 I		M1[1]		-8.01 dBm -4,939992 ms 11.01 dB 2,100888 ms
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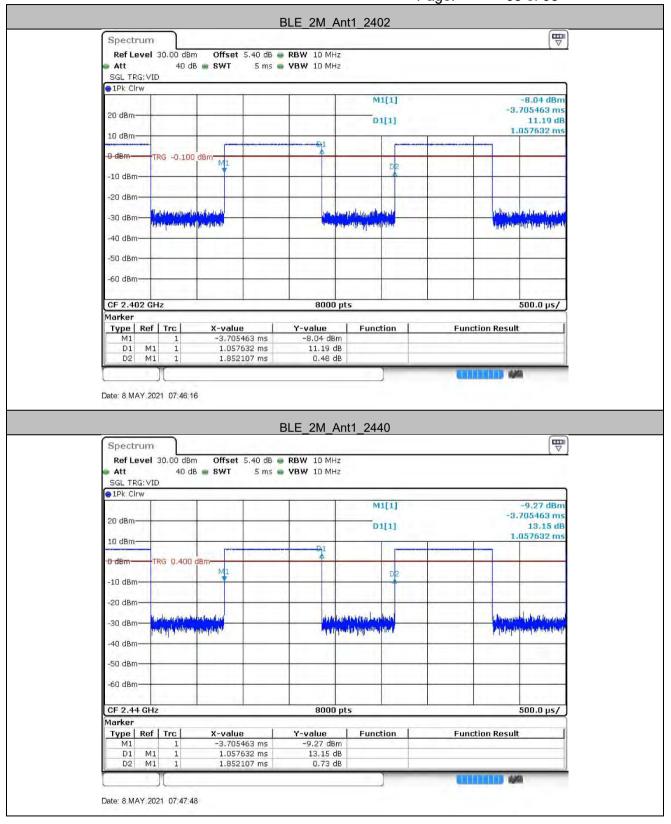


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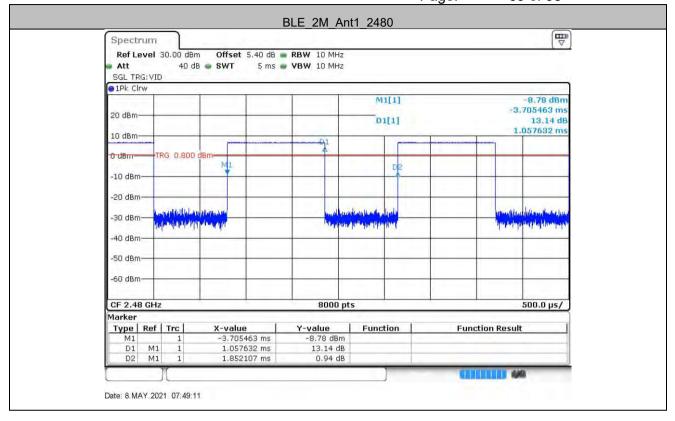


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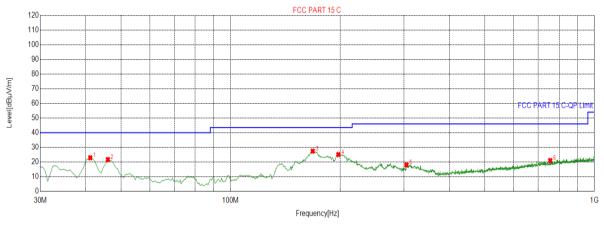
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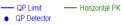
Radiated Spurious Emission

Radiated Emission below 1GHz

Charge + Transmitting BLE 1M

Test Graph





Suspected List

ected List							
Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
41.1606	22.89	-22.13	40.00	17.11	186	173	Horizontal
46.0130	21.70	-21.40	40.00	18.30	215	43	Horizontal
168.294	27.43	-25.23	43.50	16.07	156	297	Horizontal
197.893	25.09	-22.73	43.50	18.41	178	315	Horizontal
304.647	18.03	-19.07	46.00	27.97	206	75	Horizontal
756.408	21.01	-9.70	46.00	24.99	188	274	Horizontal
	Freq. [MHz] 41.1606 46.0130 168.294 197.893 304.647	Freq. [MHz]Level [dBµV/m]41.160622.8946.013021.70168.29427.43197.89325.09304.64718.03	Freq. [MHz]Level [dBµV/m]Factor [dB]41.160622.89-22.1346.013021.70-21.40168.29427.43-25.23197.89325.09-22.73304.64718.03-19.07	Freq. [MHz]Level [dBμV/m]Factor [dB]Limit [dBμV/m]41.160622.89-22.1340.0046.013021.70-21.4040.00168.29427.43-25.2343.50197.89325.09-22.7343.50304.64718.03-19.0746.00	Freq. [MHz]Level [dBµV/m]Factor [dB]Limit [dBµV/m]Margin [dB]41.160622.89-22.1340.0017.1146.013021.70-21.4040.0018.30168.29427.43-25.2343.5016.07197.89325.09-22.7343.5018.41304.64718.03-19.0746.0027.97	Freq. [MHz]Level [dBµV/m]Factor [dB]Limit [dBµV/m]Margin [dB]Height [cm]41.160622.89-22.1340.0017.1118646.013021.70-21.4040.0018.30215168.29427.43-25.2343.5016.07156197.89325.09-22.7343.5018.41178304.64718.03-19.0746.0027.97206	$\begin{array}{c c c c c c c c c c c c c c c c c c c $

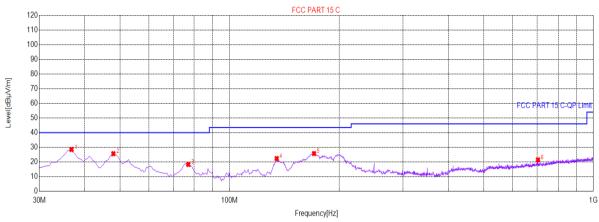
Final Data List



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Test Graph

QP Limit
 Vertical PK
 QP Detector

Suspected List

Suspe	ected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	36.7934	28.50	-23.37	40.00	11.50	213	345	Vertical
2	47.9540	25.66	-21.38	40.00	14.34	158	2	Vertical
3	77.0685	18.35	-26.62	40.00	21.65	215	258	Vertical
4	134.812	22.32	-25.97	43.50	21.18	227	248	Vertical
5	170.720	25.76	-25.12	43.50	17.74	258	345	Vertical
6	704.487	21.45	-10.61	46.00	24.55	189	152	Vertical

Final Data List

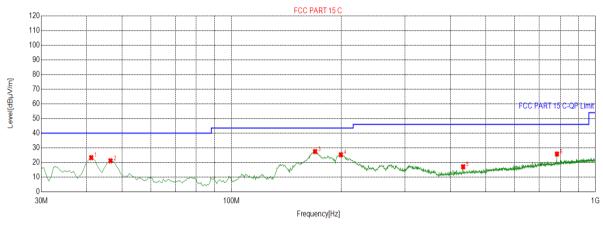


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Charge + Transmitting BLE 2M



Test Graph



Suspected List

Suspe	ected List							
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	41.1606	23.30	-22.13	40.00	16.70	187	338	Horizontal
2	46.4982	21.17	-21.39	40.00	18.83	156	297	Horizontal
3	169.749	27.46	-25.18	43.50	16.04	214	297	Horizontal
4	199.834	25.29	-22.53	43.50	18.21	252	313	Horizontal
5	433.236	17.09	-15.88	46.00	28.91	169	110	Horizontal
6	784.552	25.80	-9.33	46.00	20.20	172	171	Horizontal

Final Data List

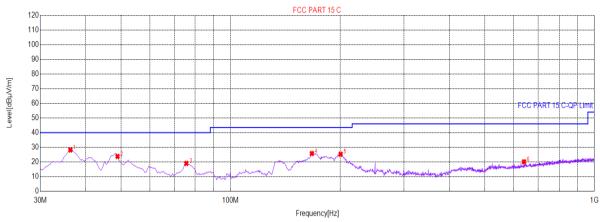


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Test Graph

QP Limit
 Vertical PK
 QP Detector

Suspected List

NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity		
1	36.3082	28.20	-23.53	40.00	11.80	157	10	Vertical		
2	48.9245	23.80	-21.37	40.00	16.20	188	35	Vertical		
3	75.6128	19.07	-26.29	40.00	20.93	169	269	Vertical		
4	167.323	25.79	-25.27	43.50	17.71	214	348	Vertical		
5	200.805	25.31	-22.45	43.50	18.19	174	35	Vertical		
6	640.920	20.14	-11.42	46.00	25.86	216	52	Vertical		

Final Data List



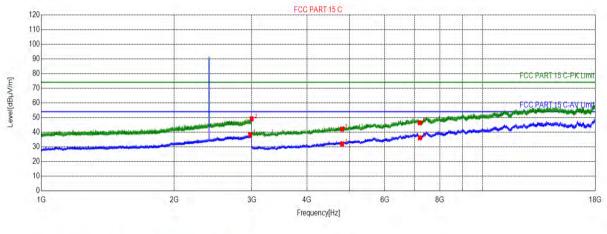
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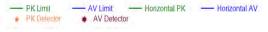


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Transmitter Emission above 1GHz BLE 1M_Channel0

Test Graph





Suspected List

Suspected List										
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity		
1	2972.69	38.27	10.39	54.00	15.73	196	32	Horizontal		
2	2996.39	49.14	10.69	74.00	24.86	184	204	Horizontal		
3	4804.00	42.04	-15.41	74.00	31.96	162	264	Horizontal		
4	4804.00	31.97	-15.41	54.00	22.03	174	254	Horizontal		
5	7206.00	36.14	-8.59	54.00	17.86	165	55	Horizontal		
6	7206.00	46.35	-8.59	74.00	27.65	138	90	Horizontal		

Final Data List

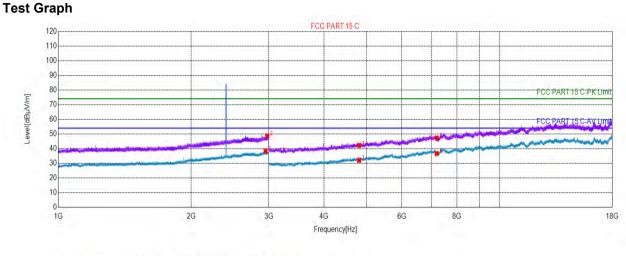


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BLE 1M_Channel0





Suspected List

Suspe	Suspected List											
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity				
1	2949.59	38.37	10.56	54.00	15.63	296	2	Vertical				
2	2974.69	48.57	10.43	74.00	25.43	284	32	Vertical				
3	4804.00	32.05	-15.41	54.00	21.95	265	11	Vertical				
4	4804.00	42.19	-15.41	74.00	31.81	230	177	Vertical				
5	7206.00	47.27	-8.59	74.00	26.73	211	2	Vertical				
6	7206.00	36.70	-8.59	54.00	17.30	207	237	Vertical				

Final Data List

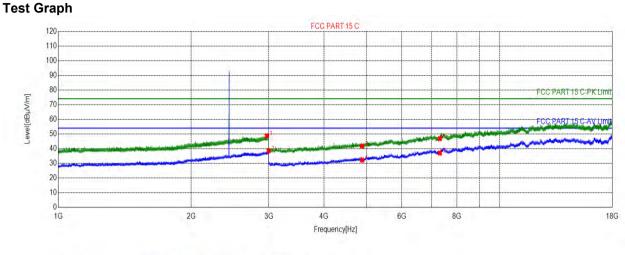


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BLE 1M_Channel19





Suspected List

Suspected List										
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity		
1	2969.09	48.72	10.34	74.00	25.28	195	310	Horizontal		
2	2997.99	38.50	10.75	54.00	15.50	163	355	Horizontal		
3	4880.00	41.69	-15.07	74.00	32.31	155	149	Horizontal		
4	4880.00	32.22	-15.07	54.00	21.78	187	71	Horizontal		
5	7320.00	37.01	-8.63	54.00	16.99	144	89	Horizontal		
6	7320.00	46.84	-8.63	74.00	27.16	162	358	Horizontal		

Final Data List

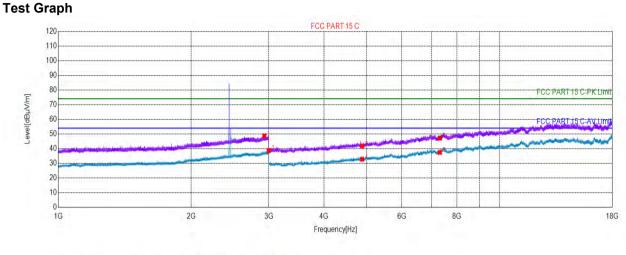


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BLE 1M_Channel19





Suspected List

Suspe	Suspected List											
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity				
1	2930.79	48.66	10.55	74.00	25.34	296	61	Vertical				
2	2997.29	38.58	10.72	54.00	15.42	263	91	Vertical				
3	4880.00	41.84	-15.07	74.00	32.16	245	46	Vertical				
4	4880.00	32.79	-15.07	54.00	21.21	216	62	Vertical				
5	7320.00	37.48	-8.63	54.00	16.52	201	246	Vertical				
6	7320.00	47.25	-8.63	74.00	26.75	203	202	Vertical				

Final Data List

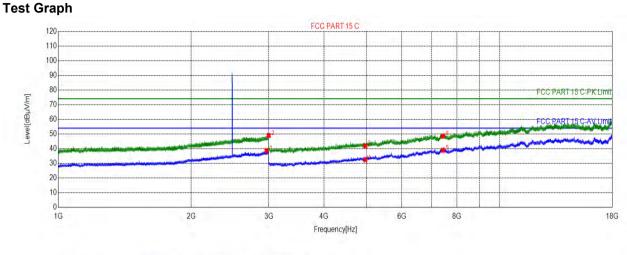


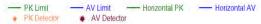
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BLE 1M_Channel39





Suspected List

Suspe	Suspected List											
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity				
1	2963.79	38.57	10.44	54.00	15.43	195	137	Horizontal				
2	2998.49	48.97	10.76	74.00	25.03	162	77	Horizontal				
3	4960.00	41.88	-14.40	74.00	32.12	184	28	Horizontal				
4	4960.00	32.46	-14.40	54.00	21.54	166	341	Horizontal				
5	7440.00	38.89	-7.31	54.00	15.11	135	176	Horizontal				
6	7440.00	48.52	-7.31	74.00	25.48	188	194	Horizontal				

Final Data List

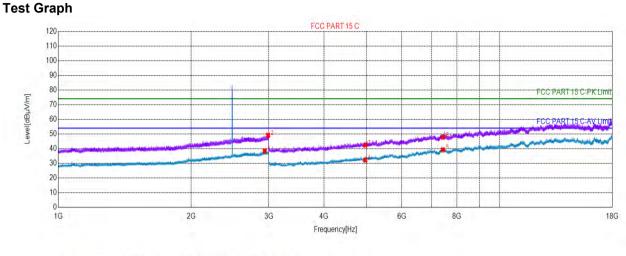


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BLE 1M_Channel39





Suspected List

Suspe	Suspected List											
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity				
1	2936.19	38.40	10.52	54.00	15.60	296	280	Vertical				
2	2987.79	49.13	10.50	74.00	24.87	244	169	Vertical				
3	4960.00	42.48	-14.40	74.00	31.52	265	97	Vertical				
4	4960.00	32.22	-14.40	54.00	21.78	231	315	Vertical				
5	7440.00	39.20	-7.31	54.00	14.80	284	202	Vertical				
6	7440.00	47.84	-7.31	74.00	26.16	201	2	Vertical				

Final Data List



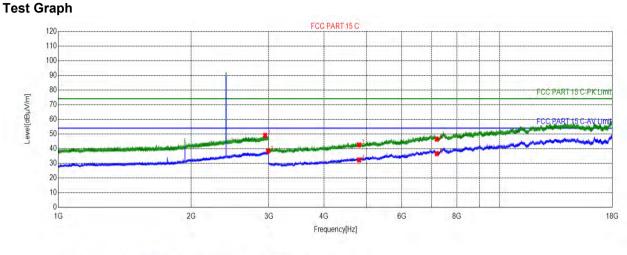
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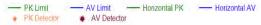
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BLE 2M_Channel0





Suspected List

Suspe	Suspected List										
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity			
1	2942.79	49.07	10.52	74.00	24.93	196	125	Horizontal			
2	2988.39	38.43	10.50	54.00	15.57	165	163	Horizontal			
3	4804.00	42.54	-15.41	74.00	31.46	187	80	Horizontal			
4	4804.00	32.26	-15.41	54.00	21.74	155	332	Horizontal			
5	7206.00	36.53	-8.59	54.00	17.47	136	166	Horizontal			
6	7206.00	46.47	-8.59	74.00	27.53	147	88	Horizontal			

Final Data List

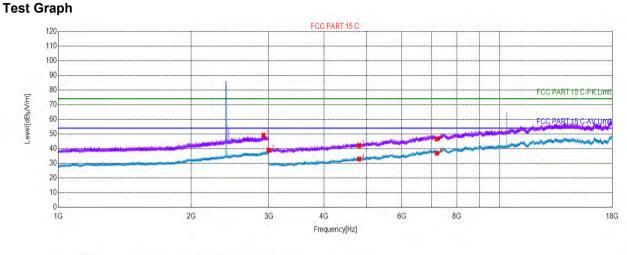


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BLE 2M_Channel0





Suspected List

Suspe	Suspected List											
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity				
1	2917.29	49.12	10.34	74.00	24.88	296	32	Vertical				
2	2995.79	38.88	10.68	54.00	15.12	248	229	Vertical				
3	4804.00	42.04	-15.41	74.00	31.96	263	115	Vertical				
4	4804.00	32.89	-15.41	54.00	21.11	254	358	Vertical				
5	7206.00	36.96	-8.59	54.00	17.04	218	11	Vertical				
6	7206.00	46.68	-8.59	74.00	27.32	201	290	Vertical				

Final Data List



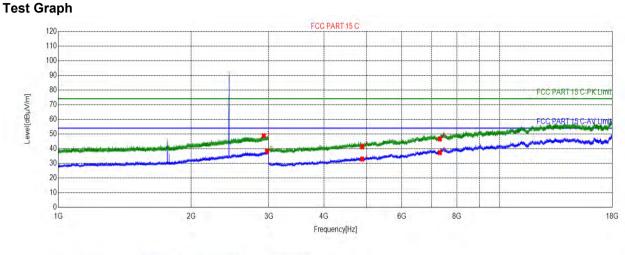
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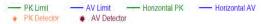
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BLE 2M_Channel19





Suspected List

Suspe	Suspected List											
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity				
1	2921.29	48.81	10.40	74.00	25.19	196	236	Horizontal				
2	2970.69	38.37	10.34	54.00	15.63	184	228	Horizontal				
3	4880.00	41.24	-15.07	74.00	32.76	165	290	Horizontal				
4	4880.00	32.87	-15.07	54.00	21.13	174	290	Horizontal				
5	7320.00	37.32	-8.63	54.00	16.68	166	316	Horizontal				
6	7320.00	46.65	-8.63	74.00	27.35	135	19	Horizontal				

Final Data List



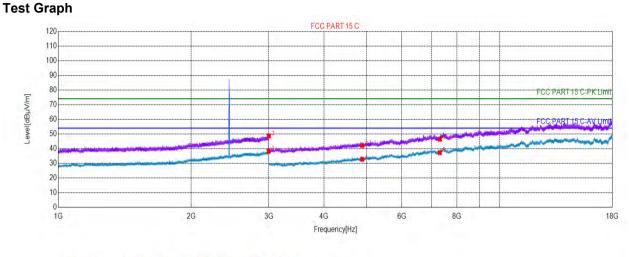
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BLE 2M_Channel 19



PK Limit — AV Limit — Vertical PK — Vertical AV AV Detector AV Detector

Suspected List

Suspe	Suspected List										
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity			
1	2996.39	38.22	10.69	54.00	15.78	296	145	Vertical			
2	2999.60	48.64	10.80	74.00	25.36	248	107	Vertical			
3	4880.00	42.14	-15.07	74.00	31.86	261	89	Vertical			
4	4880.00	32.73	-15.07	54.00	21.27	278	149	Vertical			
5	7320.00	37.33	-8.63	54.00	16.67	241	124	Vertical			
6	7320.00	46.41	-8.63	74.00	27.59	230	332	Vertical			

Final Data List



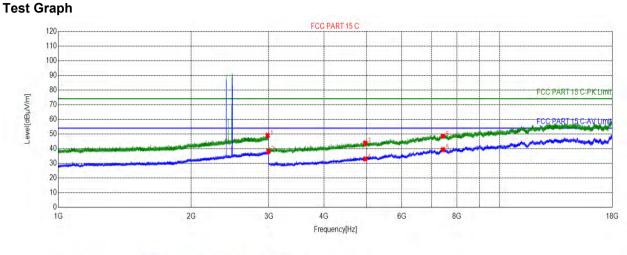
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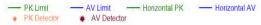
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BLE 2M_Channel 39





Suspected List

Suspe	Suspected List											
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity				
1	2980.99	49.09	10.54	74.00	24.91	193	61	Horizontal				
2	2993.69	38.23	10.61	54.00	15.77	158	220	Horizontal				
3	4960.00	43.86	-14.40	74.00	30.14	165	289	Horizontal				
4	4960.00	32.98	-14.40	54.00	21.02	138	44	Horizontal				
5	7440.00	39.25	-7.31	54.00	14.75	174	272	Horizontal				
6	7440.00	48.50	-7.31	74.00	25.50	156	158	Horizontal				

Final Data List

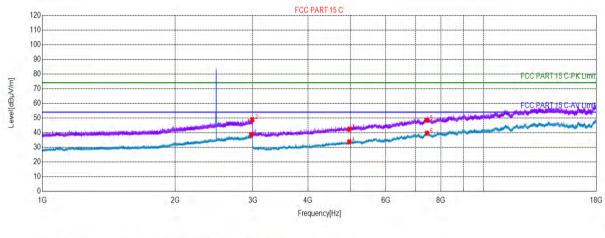


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BLE 2M_Channel 39



Test Graph



Suspected List

Suspe	Suspected List										
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity			
1	2972.89	38.71	10.39	54.00	15.29	293	167	Vertical			
2	2991.49	48.86	10.54	74.00	25.14	263	296	Vertical			
3	4960.00	42.27	-14.40	74.00	31.73	258	220	Vertical			
4	4960.00	33.73	-14.40	54.00	20.27	248	264	Vertical			
5	7440.00	48.43	-7.31	74.00	25.57	296	316	Vertical			
6	7440.00	39.64	-7.31	54.00	14.36	241	56	Vertical			

Final Data List

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor

- 2) Scan from 9kHz to 25GHz, the disturbance between 9KHz to 30MHz was very low, and the above harmonics were the highest point could be found when testing, The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
- 3) As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. So, only the peak measurements were shown in the report.
- 4) All Modes have been tested, but only the worst case data displayed in this report.



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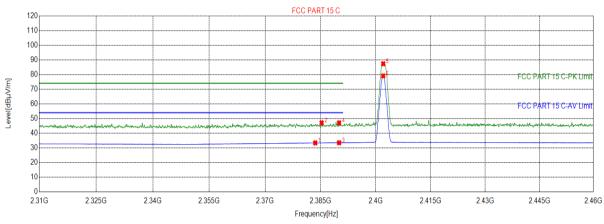
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Restricted bands around fundamental frequency

Test plots

BLE 1M_Channel 0

Test Graph



PK Limit — AV Limit — Horizontal PK — Horizontal AV * PK Detector * AV Detector

Suspected List

Suspe	Suspected List									
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity		
1	2383.53	33.38	9.43	54.00	20.62	254	215	Horizontal		
2	2385.26	47.06	9.47	74.00	26.94	236	256	Horizontal		
3	2390.00	33.48	9.60	54.00	20.52	289	287	Horizontal		
4	2390.00	47.04	9.60	74.00	26.96	278	241	Horizontal		
5	2402.00	87.32	9.87	0.00	-87.32	224	216	Horizontal		
6	2402.00	79.05	9.87	0.00	-79.05	236	236	Horizontal		

Final Data List



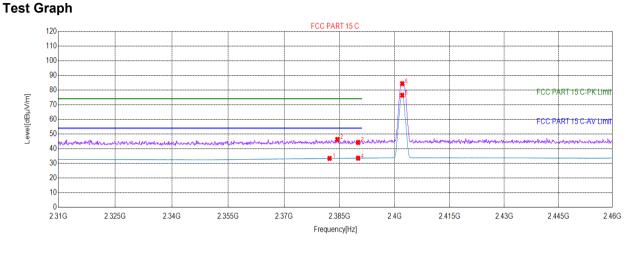
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BLE 1M_Channel 0





Suspected List

Suspe	Suspected List										
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity			
1	2382.26	33.35	9.39	54.00	20.65	254	98	Vertical			
2	2384.36	46.27	9.45	74.00	27.73	211	152	Vertical			
3	2390.00	44.23	9.60	74.00	29.77	230	214	Vertical			
4	2390.00	33.50	9.60	54.00	20.50	263	200	Vertical			
5	2402.00	76.39	9.87	0.00	-76.39	247	165	Vertical			
6	2402.00	84.32	9.87	0.00	-84.32	233	147	Vertical			

Final Data List

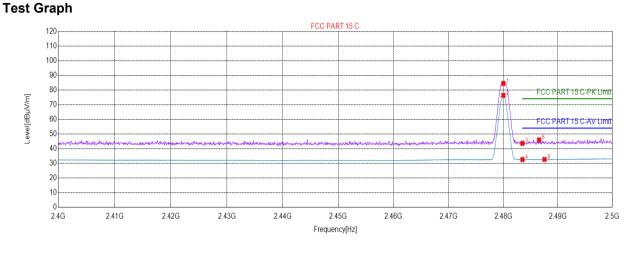


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BLE 1M _Channel 39





Suspected List

Suspe	Suspected List									
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity		
1	2480.00	84.45	8.47	0.00	-84.45	236	78	Vertical		
2	2480.00	76.33	8.47	0.00	-76.33	258	132	Vertical		
3	2483.50	43.64	8.48	74.00	30.36	241	156	Vertical		
4	2483.50	32.60	8.48	54.00	21.40	274	178	Vertical		
5	2486.54	45.98	8.49	74.00	28.02	285	195	Vertical		
6	2487.54	32.66	8.50	54.00	21.34	223	147	Vertical		

Final Data List



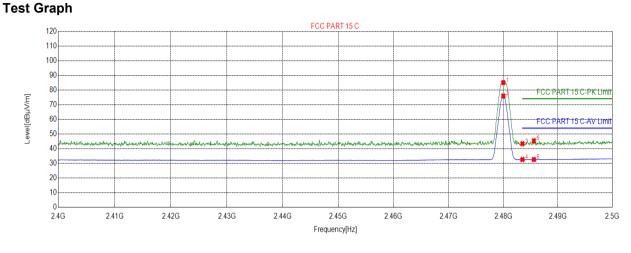
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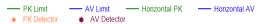
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BLE 1M _Channel 39





Suspected List

Suspe	Suspected List									
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity		
1	2480.00	84.99	8.47	0.00	-84.99	268	168	Horizontal		
2	2480.00	75.90	8.47	0.00	-75.90	277	197	Horizontal		
3	2483.50	43.39	8.48	74.00	30.61	289	187	Horizontal		
4	2483.50	32.59	8.48	54.00	21.41	297	98	Horizontal		
5	2485.59	45.38	8.49	74.00	28.62	265	124	Horizontal		
6	2485.59	32.61	8.49	54.00	21.39	274	165	Horizontal		

Final Data List

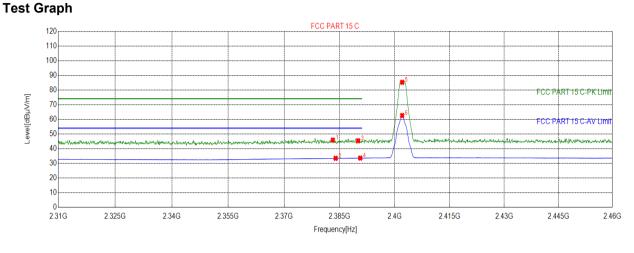


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BLE 2M_Channel 0





Suspected List

Suspe	Suspected List									
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity		
1	2383.16	45.83	9.42	74.00	28.17	263	98	Horizontal		
2	2383.91	33.43	9.44	54.00	20.57	274	123	Horizontal		
3	2390.00	45.38	9.60	74.00	28.62	284	165	Horizontal		
4	2390.59	33.58	9.62	54.00	20.42	296	147	Horizontal		
5	2402.00	85.25	9.87	0.00	-85.25	258	198	Horizontal		
6	2402.00	62.59	9.87	0.00	-62.59	265	125	Horizontal		

Final Data List

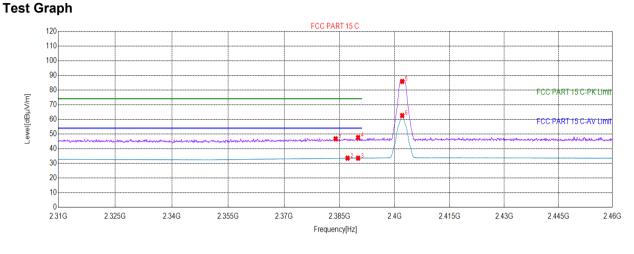


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BLE 2M_Channel0





Suspected List

Suspe	Suspected List									
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity		
1	2383.91	46.70	9.44	74.00	27.30	254	187	Vertical		
2	2387.13	33.52	9.52	54.00	20.48	189	36	Vertical		
3	2390.00	33.52	9.60	54.00	20.48	241	152	Vertical		
4	2390.00	47.58	9.60	74.00	26.42	263	147	Vertical		
5	2402.00	85.81	9.87	0.00	-85.81	247	195	Vertical		
6	2402.00	62.56	9.87	0.00	-62.56	269	162	Vertical		

Final Data List

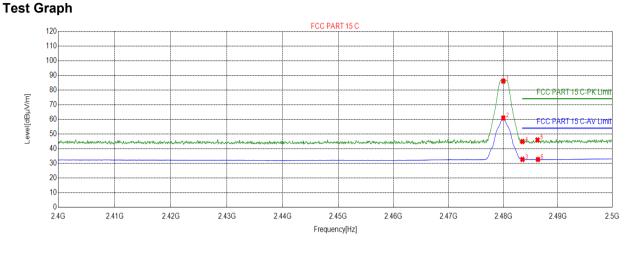


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BLE 2M_Channel39





Suspected List

Suspe	Suspected List									
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity		
1	2480.00	86.06	8.47	0.00	-86.06	265	125	Horizontal		
2	2480.00	60.90	8.47	0.00	-60.90	285	145	Horizontal		
3	2483.50	32.67	8.48	54.00	21.33	274	178	Horizontal		
4	2483.50	44.85	8.48	74.00	29.15	265	214	Horizontal		
5	2486.24	45.92	8.49	74.00	28.08	251	200	Horizontal		
6	2486.34	32.64	8.49	54.00	21.36	263	236	Horizontal		

Final Data List

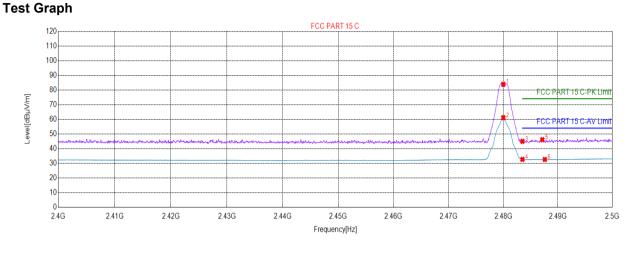


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BLE 2M_Channel39





Suspected List

Suspe	Suspected List									
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity		
1	2480.00	83.85	8.47	0.00	-83.85	256	158	Vertical		
2	2480.00	61.14	8.47	0.00	-61.14	247	169	Vertical		
3	2483.50	45.00	8.48	74.00	29.00	215	177	Vertical		
4	2483.50	32.70	8.48	54.00	21.30	265	156	Vertical		
5	2487.14	46.12	8.49	74.00	27.88	222	198	Vertical		
6	2487.59	32.64	8.50	54.00	21.36	235	154	Vertical		

Final Data List

Remark:

The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor All Modes have been tested, but only the worst case data displayed in this report.

The End



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