

Shenzhen Toby Technology Co., Ltd.

Report No.: TB-FCC155880

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FCC ID: 2ALUT-C70125

Original Grant

Report No. : TB-FCC155880

Applicant : IZZO Golf, Inc.

Equipment Under Test (EUT)

EUT Name : Bluetooth GPS band

Model No. : #C70125

Serial Model No. : #C70126, #C70152, #C70154, #A44025

Brand Name : CALLAWAY, SWAMI

Receipt Date : 2017-06-20

Test Date : 2017-06-21 to 2017-06-29

Issue Date : 2017-06-30

Standards : FCC Part 15: 2016, Subpart C(15.247)

Test Method : ANSI C63.10: 2013

Conclusions : PASS

In the configuration tested, the EUT complied with the standards specified above,

Test/Witness

Engineer

Approved&

Authorized

the report.

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This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in

TB-RF-074-1.0



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1. General Information about EUT

1.1 Client Information

Applicant: IZZO Golf, Inc.

Address : 1635 Commons Parkway, Macedon, NY 14502, USA

Manufacturer : TSKY CO., LTD.

Address : 21F.-2, No.8, Ziqiang S. Rd., Zhubei City, Hsinchu County 302,

Taiwan

1.2 General Description of EUT (Equipment Under Test)

EUT Name		Bluetooth GPS band		
Models No.		#C70125, #C70126, #C	70152, #C70154, #A44025	
Model Difference	\$	electrical circuits, The or	in the same PCB layout interior structure and ally difference is #C70125, #C70126, #C70152, different logo and color. #C70125, #C70126 art Rate Sensor.	
33		Operation Frequency:	Bluetooth 4.0(BLE): 2402MHz~2480MHz	
Product		Number of Channel:	Bluetooth 4.0(BLE): 40 channels see note(3)	
		RF Output Power:	-1.148dBm Conducted Power	
Description		Antenna Gain:	2dBi Ceramic Antenna	
0.077	3	Modulation Type:	GFSK	
0.00		Bit Rate of Transmitter:	1Mbps(GFSK)	
Power Supply	:	DC Voltage Supply from USB Cable. DC Supply by the Battery.		
Power Rating		DC 5.0 V from the USB DC 3.7V by 170mAh Li-i		
Connecting I/O Port(S)	:	Please refer to the User	s Manual	

Note:

This Test Report is FCC Part 15.247 for Bluetooth BLE, the test procedure follows the FCC KDB 558074 D01 DTS Means Guidance v04.

- (1) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
- (2) Antenna information provided by the applicant.
- (3) Channel List:



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Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
00	2402	14	2430	28	2458
01	2404	15	2432	29	2460
02	2406	16	2434	30	2462
03	2408	17	2436	31	2464
04	2410	18	2438	32	2466
05	2412	19	2440	33	2468
06	2414	20	2442	34	2470
07	2416	21	2444	35	2472
08	2418	22	2446	36	2474
09	2420	23	2448	37	2476
10	2422	24	2450	38	2478
11	2424	25	2452	39	2480
12	2426	26	2454		
13	2428	27	2456		

1.3 Block Diagram Showing the Configuration of System Tested

TX Mode



1.4 Description of Support Units

		Equipment Inform	nation	
Name	Model	FCC ID/VOC	Manufacturer	Used "√"
	COUNTY OF THE PARTY OF THE PART			
		Cable Information		
Number	Shielded Type	Ferrite Core	Length	Note
	MILES		THE	



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1.5 Description of Test Mode

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned follow was evaluated respectively.

For	Radiated Test
Final Test Mode	Description
Mode 2	TX Mode
Mode 3	TX Mode (Channel 00/20/39)

Note:

(1) For all test, we have verified the construction and function in typical operation. And all the test modes were carried out with the EUT in transmitting operation in maximum power with all kinds of data rate.

According to ANSI C63.10 standards, the measurements are performed at the highest, middle, lowest available channels, and the worst case data rate as follows:

BLE Mode: GFSK Modulation Transmitting mode.

- (2) During the testing procedure, the continuously transmitting with the maximum power mode was programmed by the customer.
- (3) The EUT is considered a portable unit; in normal use it was positioned on X-plane. The worst case was found positioned on X-plane. Therefore only the test data of this X-plane was used for radiated emission measurement test.



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1.6 Description of Test Software Setting

During testing channel& Power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters of RF setting.

Test Software Version	CAMP.	CMD.exe	
Frequency	2402 MHz	2442MHz	2480 MHz
BLE GFSK	DEF	DEF	DEF

1.7 Measurement Uncertainty

The reported uncertainty of measurement $y \pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %.

Test Item	Parameters	Expanded Uncertainty (U _{Lab})
	Level Accuracy:	
Conducted Emission	9kHz~150kHz	±3.42 dB
	150kHz to 30MHz	±3.42 dB
Radiated Emission	Level Accuracy:	±4.60 dB
Radiated Effilssion	9kHz to 30 MHz	±4.60 db
Radiated Emission	Level Accuracy:	±4.40 dB
Radiated Effilssion	30MHz to 1000 MHz	±4.40 db
Redicted Emission	Level Accuracy:	±4,20 dB
Radiated Emission	Above 1000MHz	±4.20 UD



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1.8 Test Facility

The testing was performed by the Shenzhen Toby Technology Co., Ltd., in their facilities located at:1A/F., Bldg.6, Yusheng Industrial Zone, The National Road No.107 Xixiang Section 467, Xixiang, Bao'an, Shenzhen, Guangdong, China.

At the time of testing, the following bodies accredited the Laboratory:

CNAS (L5813)

The Laboratory has been accredited by CNAS to ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories for the competence in the field of testing. And the Registration No.: CNAS L5813.

FCC List No.: (811562)

The Laboratory is listed in the United States of American Federal Communications Commission (FCC), and the registration number is 811562.

IC Registration No.: (11950A-1)

The Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing. The site registration: Site# 11950A-1.



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2. Test Summary

Standard S	Section	Took Itam	ludana ant	B
FCC	IC	Test Item	Judgment	Remark
15.203		Antenna Requirement	PASS	N/A
15.207(a)	RSS-GEN 7.2.4	Conducted Emission	PASS	N/A
15.205&15.247(d)	RSS-GEN 7.2.2	Band-Edge & Unwanted Emissions into Restricted Frequency	PASS	N/A
15.247(a)(2)	RSS 247 5.2 (1)	6dB Bandwidth	PASS	N/A
15.247(b)(3)	RSS 247 5.4 (4)	Conducted Max Output Power	PASS	N/A
15.247(e)	RSS 247 5.2 (2)	Power Spectral Density	PASS	N/A
15.205, 15.209&15.247(d)	RSS 247 5.5	Transmitter Radiated Spurious &Unwanted Emissions into Restricted Frequency	PASS	N/A

Note: N/A is an abbreviation for Not Applicable.



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3. Test Equipment

Conducte	d Emission Te	st			
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
EMI Test Receiver	Rohde & Schwarz	ESCI	100321	Jul. 21, 2016	Jul. 20, 2017
RF Switching Unit	Compliance Direction Systems Inc	RSU-A4	34403	Jul. 21, 2016	Jul. 20, 2017
AMN	SCHWARZBECK	NNBL 8226-2	8226-2/164	Jul. 21, 2016	Jul. 20, 2017
LISN	Rohde & Schwarz	ENV216	101131	Jul. 21, 2016	Jul. 20, 2017
Radiation	Emission Tes	t			
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Agilent	E4407B	MY45106456	Jul. 21, 2016	Jul. 20, 2017
EMI Test Receiver	Rohde & Schwarz	ESPI	100010/007	Jul. 21, 2016	Jul. 20, 2017
Bilog Antenna	ETS-LINDGREN	3142E	00117537	Mar.25, 2017	Mar. 24, 201
Bilog Antenna	ETS-LINDGREN	3142E	00117542	Mar.25, 2017	Mar. 24, 201
Horn Antenna	ETS-LINDGREN	3117	00143207	Mar.24, 2017	Mar. 23, 201
Horn Antenna	ETS-LINDGREN	3117	00143209	Mar.24, 2017	Mar. 23, 201
Loop Antenna	Laplace instrument	RF300	0701	Mar.24, 2017	Mar. 23, 201
Pre-amplifier	Sonoma	310N	185903	Mar.24, 2017	Mar. 23, 201
Pre-amplifier	HP	8449B	3008A00849	Mar.25, 2017	Mar. 24, 201
Cable	HUBER+SUHNER	100	SUCOFLEX	Mar.24, 2017	Mar. 23, 201
Positioning Controller	ETS-LINDGREN	2090	N/A	N/A	N/A
Antenna C	Conducted Em	ission			
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Agilent	E4407B	MY45106456	Jul. 21, 2016	Jul. 20, 2017
Spectrum Analyzer	Rohde & Schwarz	ESCI	100010/007	Jul. 21, 2016	Jul. 20, 2017
Power Meter	Anritsu	ML2495A	25406005	Jul. 21, 2016	Jul. 20, 2017
Power Sensor	Anritsu	ML2411B	25406005	Jul. 21, 2016	Jul. 20, 2017



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4. Conducted Emission Test

4.1 Test Standard and Limit

4.1.1Test Standard FCC Part 15.207

4.1.2 Test Limit

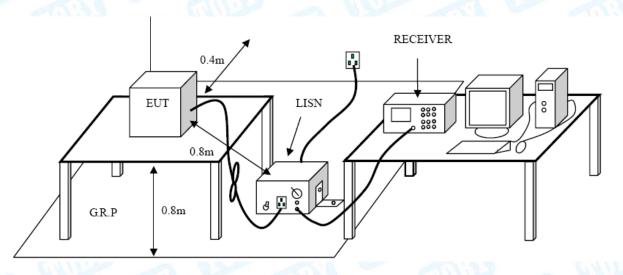
Conducted Emission Test Limit

	Maximum RF Line Voltage (d		
Frequency	Quasi-peak Level	Average Level	
150kHz~500kHz	66 ~ 56 *	56 ~ 46 *	
500kHz~5MHz	56	46	
5MHz~30MHz	60	50	

Notes:

- (1) *Decreasing linearly with logarithm of the frequency.
- (2) The lower limit shall apply at the transition frequencies.
- (3) The limit decrease in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

4.2 Test Setup



4.3 Test Procedure

The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/50uH of coupling impedance for the measuring instrument.

Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.



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I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.

LISN at least 80 cm from nearest part of EUT chassis.

The bandwidth of EMI test receiver is set at 9 kHz, and the test frequency band is from 0.15MHz to 30MHz.

4.4 EUT Operating Mode

Please refer to the description of test mode.

4.5 Test Da5ta

Test data please refer the following pages.



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UT:		Bluet	ooth GPS ba	nd	Model Nam	ne :	#C70	125
empe	erature:	25℃		33	Relative Hu	umidity:	55%	Alle
est V	/oltage:	AC 1:	20V/60 Hz		10	(71)	11:30	
ermi	nal:	Line		DAIL.		1 63	100	MILE TO
est N	/lode:	USB	Charging Mo	de	MILE		a W	
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			and other describitions of the leader	Lilledia to a construction of	F 1 1 1 1 1 1 1 1 1 1			
20								
2 0 0.150		0.5		(MHz)	5			30.000
0.150		0.5		(MHz) Correct				30.000
0.150	Mk.				5	Limit	Over	30.000
0.150		0.5	Reading	Correct	5 Measure-		Over dB	
0.150	Mk.	o.s	Reading Level	Correct Factor	Measure- ment	Limit		
0.150 No.	Mk.	Freq.	Reading Level dBuV	Correct Factor	Measure- ment dBuV	Limit dBuV	dB	Detector QP
0.150 No.	Mk. * 0	0.5 Freq. MHz	Reading Level dBuV 27.64	Correct Factor dB 9.58	Measure- ment dBuV 37.22	dBuV 65.15 55.15	dB -27.93	Detector QP
0.150 No.	Mk. * 0	0.5 Freq. MHz 0.1660	Reading Level dBuV 27.64 10.93	Correct Factor dB 9.58 9.58	Measure- ment dBuV 37.22 20.51	dBuV 65.15 55.15 63.36	dB -27.93 -34.64	Detector QP AVG
0.150 No.	Mk. * 00 00 00	0.5 Freq. MHz 0.1660 0.1660	Reading Level dBuV 27.64 10.93 24.90	Correct Factor dB 9.58 9.58 9.58	Measure- ment dBuV 37.22 20.51 34.48	dBuV 65.15 55.15 63.36 53.36	dB -27.93 -34.64 -28.88	Detector QP AVG
0.150 No. 1 2 3 4	Mk. * 00 00 00 00	0.5 Freq. MHz 0.1660 0.1660 0.2060	Reading Level dBuV 27.64 10.93 24.90 9.19	Correct Factor dB 9.58 9.58 9.58	Measure- ment dBuV 37.22 20.51 34.48 18.77	Limit dBuV 65.15 55.15 63.36 53.36 59.45	dB -27.93 -34.64 -28.88 -34.59	QP AVG QP AVG
0.150 No. 1 2 3 4 5	Mk. * 00 00 00 00 00	0.5 Freq. MHz 0.1660 0.2060 0.2060 0.3300	Reading Level dBuV 27.64 10.93 24.90 9.19 17.35	Correct Factor dB 9.58 9.58 9.58 9.58 9.59	Measure- ment dBuV 37.22 20.51 34.48 18.77 26.94	dBuV 65.15 55.15 63.36 53.36 59.45 49.45	dB -27.93 -34.64 -28.88 -34.59 -32.51	Detector QP AVG QP AVG
0.150 No. 1 2 3 4 5 6 7	* 00 00 00 00 00 00 00 00 00 00 00 00 00	0.5 Freq. MHz 0.1660 0.2060 0.2060 0.3300 0.3300 0.6580	Reading Level dBuV 27.64 10.93 24.90 9.19 17.35 3.70 14.49	Correct Factor dB 9.58 9.58 9.58 9.58 9.59 9.59	Measure-ment dBuV 37.22 20.51 34.48 18.77 26.94 13.29 24.10	Limit dBuV 65.15 55.15 63.36 53.36 59.45 49.45 56.00	dB -27.93 -34.64 -28.88 -34.59 -32.51 -36.16 -31.90	Detector QP AVG QP AVG QP AVG
0.150 No. 1 2 3 4 5 6 7 8	* 00 00 00 00 00 00 00 00 00 00 00 00 00	0.5 Freq. MHz 0.1660 0.2060 0.2060 0.3300 0.6580 0.6580	Reading Level dBuV 27.64 10.93 24.90 9.19 17.35 3.70 14.49 0.23	Correct Factor dB 9.58 9.58 9.58 9.59 9.59 9.61 9.61	5 Measure- ment dBuV 37.22 20.51 34.48 18.77 26.94 13.29 24.10 9.84	Limit dBuV 65.15 55.15 63.36 53.36 59.45 49.45 56.00 46.00	dB -27.93 -34.64 -28.88 -34.59 -32.51 -36.16 -31.90 -36.16	QP AVG QP AVG QP AVG
0.150 No. 1 2 3 4 5 6 7 8	Mk. * 00 00 00 00 00 01	0.5 Freq. MHz 0.1660 0.2060 0.2060 0.3300 0.6580 0.6580 0.5620	Reading Level dBuV 27.64 10.93 24.90 9.19 17.35 3.70 14.49 0.23 12.30	Correct Factor dB 9.58 9.58 9.58 9.59 9.59 9.61 9.61 9.61	Measure-ment dBuV 37.22 20.51 34.48 18.77 26.94 13.29 24.10 9.84 21.91	Limit dBuV 65.15 55.15 63.36 53.36 59.45 49.45 56.00 46.00	dB -27.93 -34.64 -28.88 -34.59 -32.51 -36.16 -31.90 -36.16 -34.09	QP AVG QP AVG QP AVG QP AVG
0.150 No. 1 2 3 4 5 6 7 8 9 10	Mk. * 00 00 00 00 00 11	0.5 Freq. MHz 0.1660 0.2060 0.2060 0.3300 0.6580 0.6580 0.5620	Reading Level dBuV 27.64 10.93 24.90 9.19 17.35 3.70 14.49 0.23 12.30 0.65	Correct Factor dB 9.58 9.58 9.58 9.59 9.59 9.61 9.61 9.61	Measure-ment dBuV 37.22 20.51 34.48 18.77 26.94 13.29 24.10 9.84 21.91 10.26	Limit dBuV 65.15 55.15 63.36 53.36 59.45 49.45 56.00 46.00 46.00	dB -27.93 -34.64 -28.88 -34.59 -32.51 -36.16 -31.90 -36.16 -34.09 -35.74	QP AVG QP AVG QP AVG QP AVG
No. 1 2 3 4 5 6 7 8	Mk. * 00 00 00 00 11 12	0.5 Freq. MHz 0.1660 0.2060 0.2060 0.3300 0.6580 0.6580 0.5620	Reading Level dBuV 27.64 10.93 24.90 9.19 17.35 3.70 14.49 0.23 12.30	Correct Factor dB 9.58 9.58 9.58 9.59 9.59 9.61 9.61 9.61	Measure-ment dBuV 37.22 20.51 34.48 18.77 26.94 13.29 24.10 9.84 21.91	Limit dBuV 65.15 55.15 63.36 53.36 59.45 49.45 56.00 46.00 56.00 56.00	dB -27.93 -34.64 -28.88 -34.59 -32.51 -36.16 -31.90 -36.16 -34.09	QP AVG QP AVG QP AVG



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EU	T:			Bli	uetoo	th GF	PS ba	and		Mode	el Na	ame	:		#C701:	25	
Ter	npe	rature):	25	°C	9		2		Relat				y:	55%		N.
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Ter	mir	al:		Ne	eutral	V							6		1170		n.
Tes	st M	ode:		US	SB Cł	nargir	ng Mo	ode			4				6		
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	3		0.18	364		25.7	9	9.0	35	35	.44		64.	19	-28.75	Q	Р
	4		0.18	364		11.6	3	9.0	35	21	.28		54.	19	-32.91	A'	VG
	5		0.24	460		23.2	5	9.0	61	32	.86		61.8	39	-29.03	Q	Р
	6		0.24	160		12.3	6	9.0	61	21	.97		51.8	39	-29.92	Α	VG
-	7		0.47	740		19.2		9.	58	28	.81		56.4	14	-27.63	Q	P
-	8	*	0.47			16.5		9.			.12				-20.32		VG
	9		0.69			13.8		9.			.46				-32.54		P
_																	
l —	10		0.69			9.6		9.			.19				-26.81		VG
	11		1.23			12.2		9.			.79				-34.21		P
	12		1.23	340		9.42	2	9.	59	19	.01		46.(00	-26.99	Α'	VG
Em	iss	ion Le	vel=	Rea	ad Le	vel+	Corr	ect Fa	ctor								
								_									



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UT:	Bluetooth	Bluetooth GPS band			e:	#C70125	
emperature:	25℃	GITTE		Relative Hu	midity:	55%	A Brown
est Voltage:	AC 240V	//60 Hz	-	1	GUI	1133	
erminal:	Line		DAG:		6		MI
est Mode:	USB Cha	arging Mode		MILLER		2 1	
temark:	Only wor	se case is re	ported	Con		19	
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0.150	0.5		(MHz)	5			30.000
		di 0		11.			
No. Mk. F	_	_	orrect actor	Measure- ment	Limit	Over	
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		24.39	9.58	33.97	65.36		QP
	1620	5.58	9.58	15.16		-40.20	AV(
		22.23	9.58	31.81	63.04		QP
	2140	4.95	9.58	14.53	53.04		AVO
		17.29	9.60	26.89	56.03		QP
		12.56	9.60	22.16	46.03		AVO
		12.69	9.60	22.29	56.00		QP
	0980	1.35	9.60	10.95	46.00		AVO
		12.66	9.64	22.30	56.00		QP
	0000	12.00	3.04			-33.63	AVO
9 2.		2.73	0.64	10 27			AVU
9 2.4 10 2.4	8900	2.73	9.64	12.37			
9 2.3 10 2.3 11 4.3	8900	2.73 10.59 3.05	9.64 9.74 9.74	12.37 20.33 12.79	56.00 46.00	-35.67	QP AV(



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1	DV
1000	KY

EUT:	Bluetooth GPS b	oand	Model Name	e :	#C7012	25
Temperature:	25 ℃		Relative Hu	midity:	55%	
Test Voltage:	AC 240V/60 Hz	100	2 CHI	100	-0	A Branch
Terminal:	Neutral		18	(11)	11:35	
Test Mode:	USB Charging N	/lode		163	62	m L
Remark:	Only worse case	e is reported	Will by			
80.0 dBuV					0.0	
					QP: AVG:	
~ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	, X					
30 A A A A AAAAAAAAAAAAAAAAAAAAAAAAAAAA	Malamata,		M M			
MikirkAAAAAA		Million Market Comment		$\sqrt{\Lambda}$	dydding yn	peak
h a a a a a a a a a a a a a a a a a a a		Just Mark	<u>, </u>	^VVV	\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	wwwAVG
-20 0.150	0.5	(MHz)	5			30.000
0.130						
No. Mk. Fre	Reading q. Level	Correct Factor	Measure- ment	Limit	Over	
MH	•	dB	dBuV	dBuV	dB	Detector
1 0.162	20 24.68	9.64	34.32	65.36	-31.04	QP
2 0.162	20 7.39	9.64	17.03	55.36	-38.33	AVG
3 0.214	40 22.44	9.64	32.08	63.04	-30.96	QP
4 0.214	40 8.32	9.64	17.96	53.04	-35.08	AVG
5 0.494	19.21	9.58	28.79	56.10	-27.31	QP
6 * 0.494	40 15.18	9.58	24.76	46.10	-21.34	AVG
7 1.294	40 15.11	9.60	24.71	56.00	-31.29	QP
8 1.294	40 11.40	9.60	21.00	46.00	-25.00	AVG
9 2.198	30 13.32	9.62	22.94	56.00	-33.06	QP
10 2.198		9.62	17.99	46.00	-28.01	AVG
11 3.194		9.68	20.71		-35.29	QP
12 3.194	40 6.13	9.68	15.81	46.00	-30.19	AVG
Emission Level=	Read Level+ Cor	rect Factor	•			



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5. Radiated Emission Test

5.1 Test Standard and Limit

5.1.1 Test Standard FCC Part 15.247(d)

5.1.2 Test Limit

Radiated Emission Limits (9kHz~1000MHz)

Frequency (MHz	Field Strength (microvolt/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

Radiated Emission Limit (Above 1000MHz)

Frequency	Distance Meters(at 3m)					
(MHz)	Peak (dBuV/m)	Average (dBuV/m)				
Above 1000	74	54				

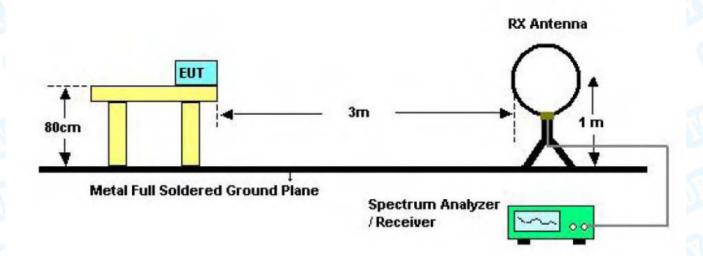
Note:

- (1) The tighter limit applies at the band edges.
- (2) Emission Level (dBuV/m)=20log Emission Level (uV/m)

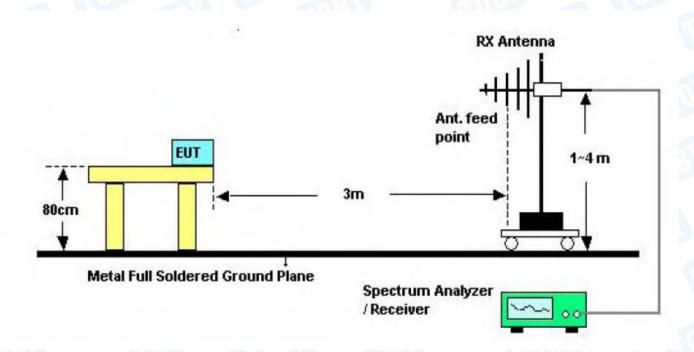


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5.2 Test Setup



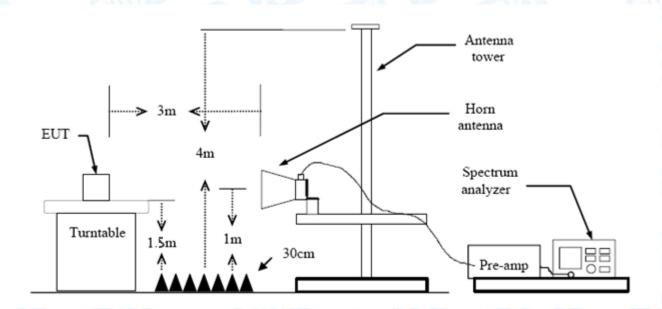
Below 30MHz Test Setup



Below 1000MHz Test Setup



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Above 1GHz Test Setup

5.3 Test Procedure

- (1) The measuring distance of 3m shall be used for measurements at frequency up to 1GHz and above 1 GHz. The EUT was placed on a rotating 0.8m high above ground, the table was rotated 360 degrees to determine the position of the highest radiation.
- (2) Measurements at frequency above 1GHz. The EUT was placed on a rotating 1.5m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The RF absorber shall not exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to determine the position of the highest radiation.
- (3) The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set to make measurement.
- (4) 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.
- (5) If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit Bellow 1 GHz, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed. But the Peak Value and average value both need to comply with applicable limit above 1 GHz.
- (6) Testing frequency range below 1GHz the measuring instrument use VBW=120 kHz with Quasi-peak detection.
- (7) Testing frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.
- (8) For the actual test configuration, please see the test setup photo.



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5.4 EUT Operating Condition

The Equipment Under Test was set to Continual Transmitting in maximum power.

5.5 Test Data

Remark: During testing above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.

Test data please refer the following pages.



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9 KHz~30 MHz

From 9 KHz to 30 MHz: Conclusion: PASS

Note: The amplitude of spurious emissions which are attenuated by more than 20dB

Below the permissible value has no need to be reported.

30MHz~1GHz

		Blueto	ooth GPS ba	and	Model:		#C70125	
Гетре	erature:	25 ℃	Richard		Relative Hun	nidity:	55%	
Test V	oltage:	DC 3\	/	Chin		163		18
Ant. P	ol.	Horizo	ontal		WILL ST		ARGE	
Test M	lode:	BLE T	X 2402 Mod	de				
Remai	rk:	Only v	worse case	is reported	1	N. Salar	The state of	1
80.0	dBuV/m							
30	Marina, Marina	3 4	- Manage Made Adjust which the	5 \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Man way water from the state of		15C 3M Radiation Margin -6	dB
-20 30.00	00 40	- FO - OO - I	70 80	(MHz)	300	400 5	600 600 700	1000.00
			Reading	Correct	Measure-	Limit	Over	
	Mk.	Freq.	Reading Level	Factor	ment	Limit dBuV/m	Over	Detect
No.	Mk.	Freq.	Reading Level dBuV	Factor dB/m	ment dBuV/m	dBuV/m	dB	Detect
No.	Mk.	Freq. MHz 1.0703	Reading Level dBuV 30.01	Factor dB/m -14.46	ment dBuV/m 15.55	dBuV/m 40.00	dB -24.45	QP
No. 1 2	Mk. 3	Freq. MHz 1.0703 9.1613	Reading Level dBuV 30.01 35.70	Hactor dB/m -14.46 -19.47	ment dBuV/m 15.55 16.23	dBuV/m 40.00 40.00	dB -24.45 -23.77	QP QP
No. 1 2 3	Mk. 3 * 3	Freq. MHz 1.0703 9.1613 9.8813	Reading Level dBuV 30.01 35.70 31.04	Factor dB/m -14.46 -19.47 -24.17	ment dBuV/m 15.55 16.23 6.87	dBuV/m 40.00 40.00 40.00	dB -24.45 -23.77 -33.13	QP QP
No. 1 2 3 4	Mk. 3 * 3 4	Freq. MHz 1.0703 9.1613 9.8813 1.9951	Reading Level dBuV 30.01 35.70 31.04 33.76	Factor dB/m -14.46 -19.47 -24.17 -24.24	ment dBuV/m 15.55 16.23 6.87 9.52	dBuV/m 40.00 40.00 40.00 40.00	dB -24.45 -23.77 -33.13 -30.48	QP QP QP
No. 1 2 3	Mk. 3 * 3 4	Freq. MHz 1.0703 9.1613 9.8813	Reading Level dBuV 30.01 35.70 31.04	Factor dB/m -14.46 -19.47 -24.17	ment dBuV/m 15.55 16.23 6.87	dBuV/m 40.00 40.00 40.00	dB -24.45 -23.77 -33.13	QP QP



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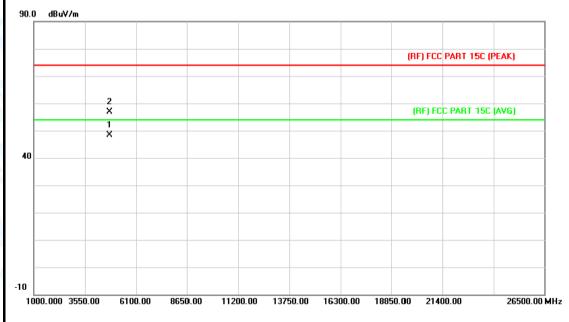
emperature:	Bluetooth GPS band Model:				#C70125				
	25℃	Call'	R	Relative Hum	idity:	55%			
est Voltage:	DC 3V								
Ant. Pol.	Vertica	al	ARO		1 6				
est Mode:	BLE T	X 2402 Mod	de	MILE		a live			
Remark:	Only w	vorse case i	s reported			13			
80.0 dBuV/m									
30 1 2 X X	3 * * */ */////////////////////////////	* 5 * human	ha John Sandra Mara Mara Mara Mara Mara Mara Mara M	1 Market South South	(RF)FCC	15C 3M Radiatic Margin -			
	0 60 70	n 90	(MH-1)	300	400	500 600 700	1000 0		
-20 30.000 40 5	0 60 70		(MHz)	300 Measure-	400	500 600 700	1000.0		
30.000 40 5	0 60 70 req.	Reading Level	(MHz) Correct Factor	300 Measure- ment	400 Limit	500 600 700 Over	1000.0		
30.000 40 5 No. Mk. F		Reading	Correct	Measure-			Detecto		
30.000 40 5 No. Mk. F	req.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
30.000 40 5 No. Mk. F M 1 35.0	req. MHz	Reading Level dBuV	Correct Factor	Measure- ment dBuV/m	Limit dBuV/m	Over	Detecto		
No. Mk. F M 1 35.0 2 49.5	req. MHz 6240	Reading Level dBuV 34.70	Correct Factor dB/m -17.29	Measure- ment dBuV/m	Limit dBuV/m 40.00	Over dB -22.59	Detecto		
30.000 40 5 No. Mk. F M 1 35.4 2 49.5 3 56.5	req. MHz 6240 5328	Reading Level dBuV 34.70 40.17	Correct Factor dB/m -17.29 -24.02	Measure- ment dBuV/m 17.41 16.15	Limit dBuV/m 40.00 40.00	Over dB -22.59 -23.85	Detecto QP QP		
30.000 40 5 No. Mk. F 1 35.4 2 49.5 3 56.5 4 74.5	req. MHz 6240 5328 5929	Reading Level dBuV 34.70 40.17 37.61	Correct Factor dB/m -17.29 -24.02 -24.35	Measure- ment dBuV/m 17.41 16.15 13.26	Limit dBuV/m 40.00 40.00 40.00	Over dB -22.59 -23.85 -26.74	Detecto QP QP QP		



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Above 1GHz

EUT:	Bluetooth GPS band Model:		#C70125						
Temperature:	25℃	Relative Humidity:	55%						
Test Voltage:	DC 3V								
Ant. Pol.	Horizontal								
Test Mode:	BLE Mode TX 2402 MHz	BLE Mode TX 2402 MHz							
Remark:	No report for the emission which more than 10 dB below the prescribed limit.								

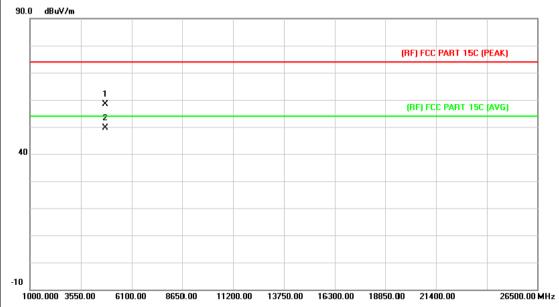


No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4803.901	34.94	13.44	48.38	54.00	-5.62	AVG
2		4804.210	43.33	13.44	56.77	74.00	-17.23	peak



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EUT:	Bluetooth GPS band	Model:	#C70125					
Temperature:	25℃	Relative Humidity:	55%					
Test Voltage:	DC 3V							
Ant. Pol.	Vertical							
Test Mode:	BLE Mode TX 2402 MHz		The same of the sa					
Remark:	No report for the emission	n which more than 10 de	3 below the					
	prescribed limit.							

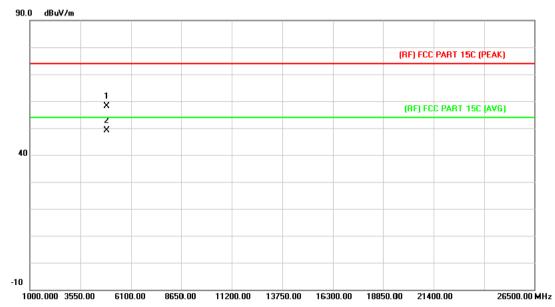


No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4803.937	44.96	13.44	58.40	74.00	-15.60	peak
2	*	4804.024	36.10	13.44	49.54	54.00	-4.46	AVG



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EUT:	Bluetooth GPS band	Model:	#C70125				
Temperature:	25℃	Relative Humidity:	55%				
Test Voltage:	DC 3V	31	1133				
Ant. Pol.	Horizontal	O					
Test Mode:	BLE Mode TX 2442 MHz	WILD S	3 Hills				
Remark:	No report for the emission which more than 10 dB below the						
	prescribed limit.						

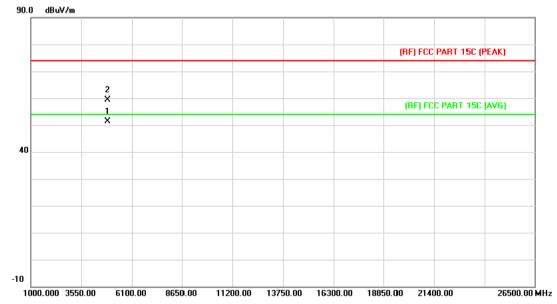


No.	Mk.	Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4881.718	44.11	13.90	58.01	74.00	-15.99	peak
2	*	4881.868	35.30	13.90	49.20	54.00	-4.80	AVG



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EUT:	Bluetooth GPS band	Model:	#C70125
Temperature:	25℃	Relative Humidity:	55%
Test Voltage:	DC 3V	11	
Ant. Pol.	Vertical		
Test Mode:	BLE Mode TX 2442 MHz	WIID S	2
Remark:	No report for the emission v	which more than 10 dB	below the
	prescribed limit.		
			Į.

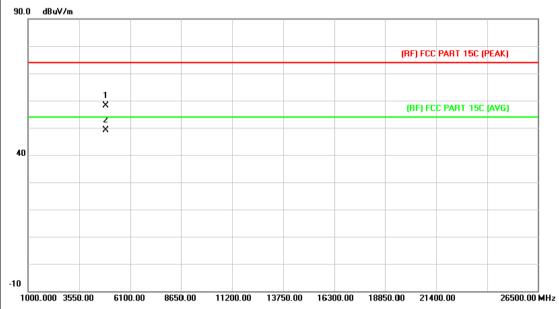


No.	Mk.	Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4881.988	37.47	13.90	51.37	54.00	-2.63	AVG
2		4882.204	45.57	13.90	59.47	74.00	-14.53	peak



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EUT:	Bluetooth GPS band	Model:	#C70125
Temperature:	25℃	Relative Humidity:	55%
Test Voltage:	DC 3V		133
Ant. Pol.	Horizontal	O	
Test Mode:	BLE Mode TX 2480 MHz	WIII DE	a little
Remark:	No report for the emission verscribed limit.	which more than 10 dB	below the
· ·			

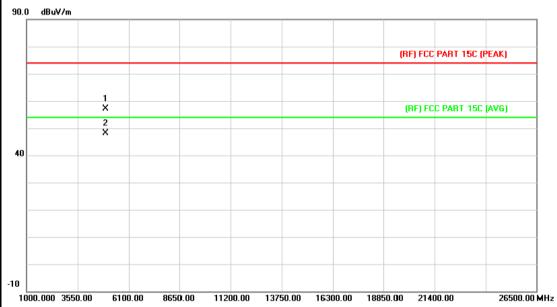


No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4881.718	44.11	13.90	58.01	74.00	-15.99	peak
2	*	4881.868	35.30	13.90	49.20	54.00	-4.80	AVG



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EUT:	Bluetooth GPS band	Model:	#C70125
Temperature:	25℃	Relative Humidity:	55%
Test Voltage:	DC 3V	110	133
Ant. Pol.	Vertical	U	
Test Mode:	BLE Mode TX 2480 MHz	WILD S	Jan Milliam
Remark:	No report for the emission w prescribed limit.	which more than 10 dB	below the



No	. Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4959.706	42.81	14.36	57.17	74.00	-16.83	peak
2	*	4959.706	33.72	14.36	48.08	54.00	-5.92	AVG



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6. Restricted Bands Requirement

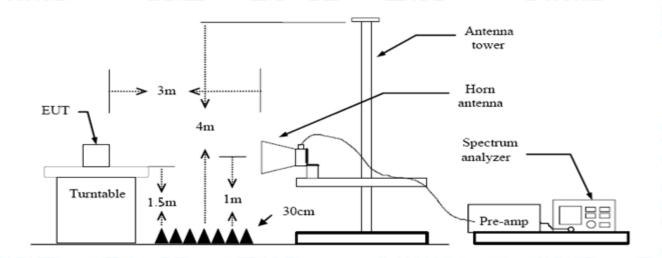
6.1 Test Standard and Limit

6.1.1 Test Standard FCC Part 15.247(d) FCC Part 15.205

6.1.2 Test Limit

Restricted Frequency	Distance Me	eters(at 3m)
Band (MHz)	Peak (dBuV/m)	Average (dBuV/m)
2310 ~2390	74	54
2483.5 ~2500	74	54

6.2 Test Setup



6.3 Test Procedure

- (1) The measuring distance of 3m shall be used for measurements at frequency up to 1GHz and above 1 GHz. The EUT was placed on a rotating 0.8m high above ground, the table was rotated 360 degrees to determine the position of the highest radiation.
- (2) Measurements at frequency above 1GHz. The EUT was placed on a rotating 1.5m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The RF absorber shall not exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to determine the position of the highest radiation.
- (3) The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set to make measurement.
- (4) The initial step in collecting conducted emission data is a spectrum analyzer peak detector



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mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.

- (5) If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit Bellow 1 GHz, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed. But the Peak Value and average value both need to comply with applicable limit above 1 GHz.
- (6) Testing frequency range below 1GHz the measuring instrument use VBW=120 kHz with Quasi-peak detection.
- (7) Testing frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.
- (8) For the actual test configuration, please see the test setup photo.

6.4 EUT Operating Condition

The Equipment Under Test was set to Continual Transmitting in maximum power.

6.5 Test Data

Remark: During testing above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.

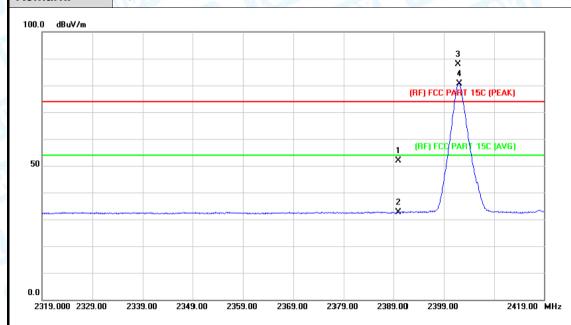
Test data please refer the following pages.



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(1) Radiation Test

EUT:	Bluetooth GPS band	Model:	#C70125
Temperature:	25℃	Relative Humidity:	55%
Test Voltage:	DC 3V		
Ant. Pol.	Horizontal	WILL DE	THE PARTY OF THE P
Test Mode:	BLE Mode TX 2402 MHz		33 - 6
Remark:	N/A	JA WILL	



No.	. Mk.	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	51.05	0.77	51.82	74.00	-22.18	peak
2		2390.000	31.81	0.77	32.58	54.00	-21.42	AVG
3	Χ	2401.900	86.95	0.82	87.77	Fundamental F	requency	peak
4	*	2402.100	79.82	0.82	80.64	Fundamental F	Frequency	AVG



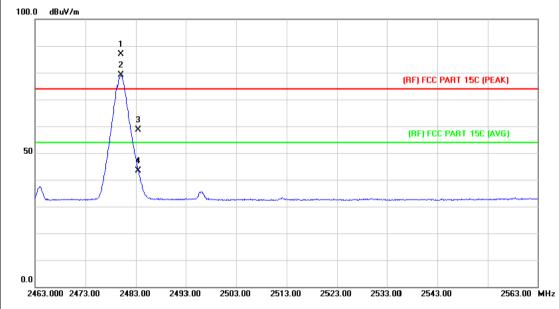
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EUT:			Blue	tooth	GPS b	oand	Mo					#C70125			
Temp	eratu	re:	25℃		e Th		Re					55%	55%		
Test \	/oltag	je:	DC 3	3V	100		50				(61)		13		
Ant. F	Pol.		Verti	cal		2 11					6			MI)	
Test I	Mode:		BLE	Mode	TX 24	402 MHz)	A	M		
Rema	ırk:		N/A		S. Jaco		5	, N							×
100.0	dBuV/m														_
-											(RF) FC	3 × 4 C PA	15C (PE	AK)	
50										1 ×		CC/PAR	15C (A	VG)	
										X		/	\		
0.0															
	1.000 23	29.00	2339.00	234	9.00 2	2359.00 2	369.00	2379	9.00	2389.0	00 23	99.00		2419.00	мн
No.	Mk.	Fr	req.		ading evel	Corre Fac		Mea me	sure ent		₋imit	C)ver		
		М	lHz	d	lBuV	dB/n	1	dΒι	ıV/m	(dBuV/n	1	dB	Dete	ctor
1		2390	0.000	5	1.09	0.77	7	51	.86		74.00	-2	22.14	pe	ak
2		2390	0.000	3	1.52	0.77	7	32	.29		54.00	-2	21.71	A۷	/G
3	Χ	2401	.900	8	5.26	0.82)	86	.08	Fur	ıdament	al Freq	uency	pe	ak
	*	2402		7	7.28	0.82		70	.10		ıdament			A۷	/G



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EUT:	Bluetooth GPS band	Model:	#C70125
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	DC 3V	The State of the S	133
Ant. Pol.	Horizontal		
Test Mode:	BLE Mode TX 2480 MHz		J. HILL
Remark:	N/A		
	'		

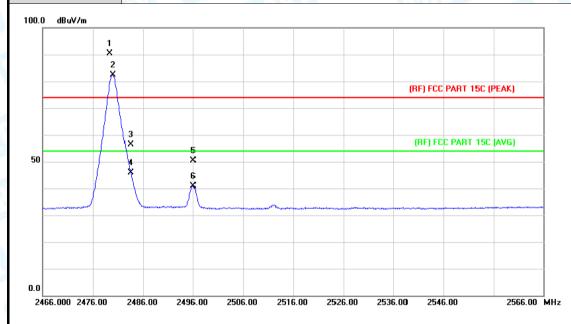


No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	X	2480.000	85.81	1.15	86.96	Fundamental	Frequency	peak
2	*	2480.000	77.91	1.15	79.06	Fundamental I	Freauencv	AVG
3		2483.500	57.47	1.17	58.64	74.00	-15.36	peak
4		2483.500	42.12	1.17	43.29	54.00	-10.71	AVG



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EUT:	Bluetooth GPS band	Model:	#C70125
Temperature:	25℃	Relative Humidity:	55%
Test Voltage:	DC 3V		The second
Ant. Pol.	Vertical		
Test Mode:	BLE Mode TX 2480 MHz	WILD S	
Remark:	N/A		193

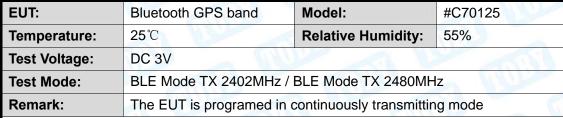


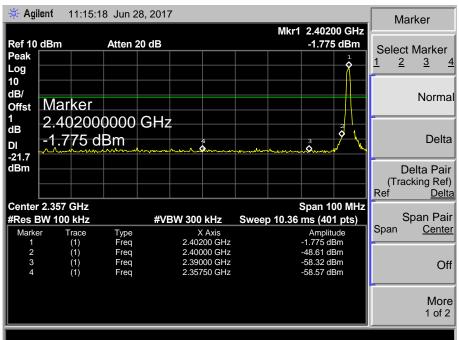
No.	Mk.	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	X	2479.400	89.17	1.15	90.32	Fundamental	Frequency	peak
2	*	2480.000	81.33	1.15	82.48	Fundamental	Frequency	AVG
3		2483.500	55.20	1.17	56.37	74.00	-17.63	peak
4		2483.500	44.81	1.17	45.98	54.00	-8.02	AVG
5		2496.000	49.09	1.22	50.31	74.00	-23.69	peak
6		2496.000	39.76	1.22	40.98	54.00	-13.02	AVG

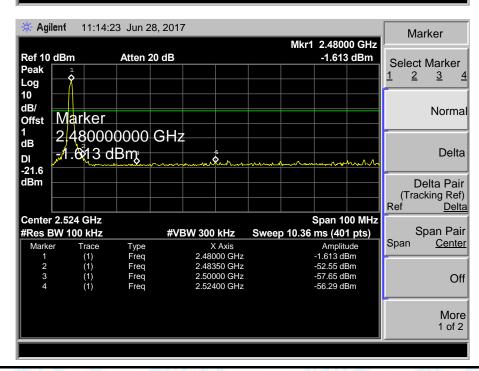


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(2) Conducted Test









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7. Bandwidth Test

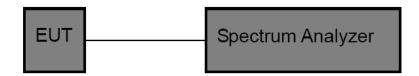
7.1 Test Standard and Limit

7.1.1 Test Standard FCC Part 15.247 (a)(2)

7.1.2 Test Limit

FCC	FCC Part 15 Subpart C(15.247)/RSS-247						
Test Item	Test Item Limit Frequency Range(MHz)						
Bandwidth	>=500 KHz (6dB bandwidth)	2400~2483.5					

7.2 Test Setup



7.3 Test Procedure

- (1) The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
- (2) The bandwidth is measured at an amplitude level reduced 6dB from the reference level. The reference level is the level of the highest amplitude signal observed from the transmitter at the fundamental frequency. Once the reference level is established, the equipment is conditioned with typical modulating signal to produce the worst –case (i.e the widest) bandwidth.
- (3)Measure the channel separation the spectrum analyzer was set to Resolution Bandwidth:100 kHz, and Video Bandwidth:300 kHz, Detector: Peak, Sweep Time set auto.

7.4 EUT Operating Condition

The EUT was set to continuously transmitting in each mode and low, middle and high channel for the test.



Center 2.402 GHz #Res BW 100 kHz

Transmit Freq Error x dB Bandwidth

Occupied Bandwidth

Report No.: TB-FCC155880

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7.5 Test Data

UT:	Bluet	ooth GPS band	Model:	#C70125	
emperature:	re: 25°C		Relative Humidity:	55%	
est Voltage:	- W				
est Mode:	BLE	TX Mode	and the same	73.8	
Channel frequ	ency	6dB Bandwidth	99% Bandwidth	Limit	
(MHz)		(kHz)	(kHz)	(kHz)	
2402		713.684	1083.3		
2442		716.311	1087.9	>=500	
2480		710.661	1089.5		
		BLE N	/lode		
عدالية الأ	44.44.00	2402			
* Agilent	11:11:30	Jun 28, 2017		Freq/Channel	
	Freq		Trig Free	Freq/Channel Center Freq 2.40200000 GHz	
Ch Occupied Ban	Freq idwidth	Jun 28, 2017		Center Freq 2.40200000 GHz	
Ch Occupied Ban	Freq adwidth	Jun 28, 2017 2.402 GHz		Center Freq	
Ch Occupied Ban Center 2	Freq adwidth	Jun 28, 2017 2.402 GHz 00000 GHz		Center Freq 2.40200000 GHz	
Center 2 Ref 10 dBm #Peak Log 10 dB/ Offst 1	Freq adwidth	Jun 28, 2017 2.402 GHz 00000 GHz	Trig Free	Center Freq 2.40200000 GHz Start Freq 2.40050000 GHz Stop Freq 2.40350000 GHz CF Step	
Center 2 Ref 10 dBm #Peak Log 10 dB/	Freq adwidth	Jun 28, 2017 2.402 GHz 00000 GHz	Trig Free	Center Freq 2.40200000 GHz Start Freq 2.40050000 GHz Stop Freq 2.40350000 GHz CF Step 300.0000000 kHz	

#VBW 300 kHz

1.0833 MHz

-46.700 kHz 713.684 kHz

99.00 %

-6.00 dB

Signal Track

Scale Type

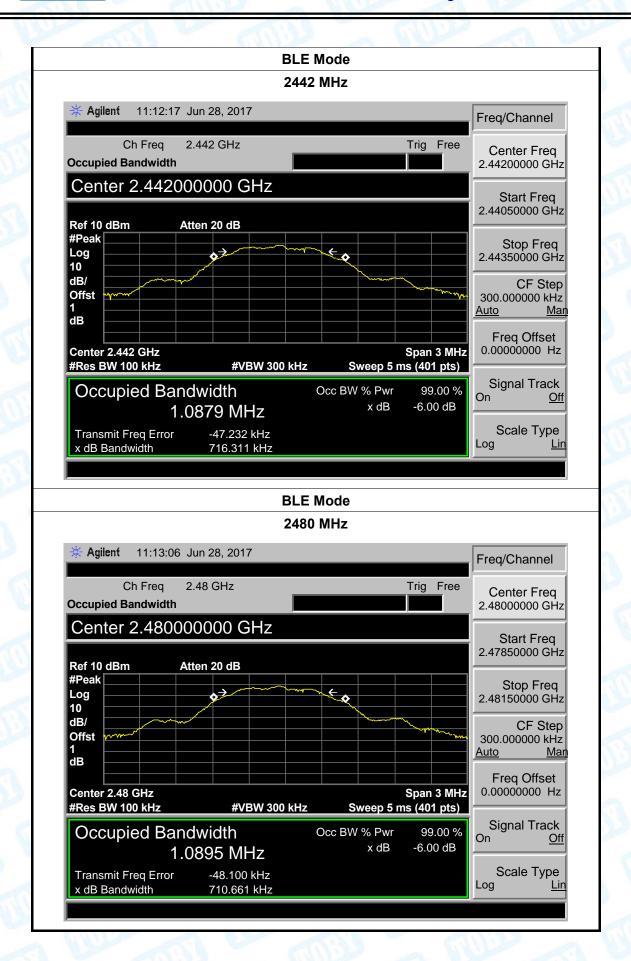
Sweep 5 ms (401 pts)

Occ BW % Pwr

x dB



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8. Peak Output Power Test

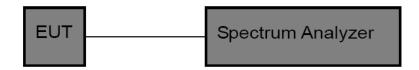
8.1 Test Standard and Limit

8.1.1 Test Standard FCC Part 15.247 (b)(3)

8.1.2 Test Limit

FCC Part 15 Subpart C(15.247)/RSS-247						
Test Item	Limit	Frequency Range(MHz)				
Peak Output Power 1 Watt or 30 dBm 2400~2483.5						

8.2 Test Setup



8.3 Test Procedure

The EUT was directly connected to the Spectrum Analyzer and antenna output port as show in the block diagram above. The measurement is according to section 9.1.1 of KDB 558074 D01 DTS Meas Guidance v04.

- (1) Set the RBW≥DTS Bandwidth
- (2) Set VBW≥3*RBW
- (3) Set Span≥3*RBW
- (4) Sweep time=auto
- (5) Detector= peak
- (6) Trace mode= maxhold.
- (7) Allow trace to fully stabilize, and then use peak marker function to determine the peak amplitude level.

8.4 EUT Operating Condition

The EUT was set to continuously transmitting in the max power during the test.



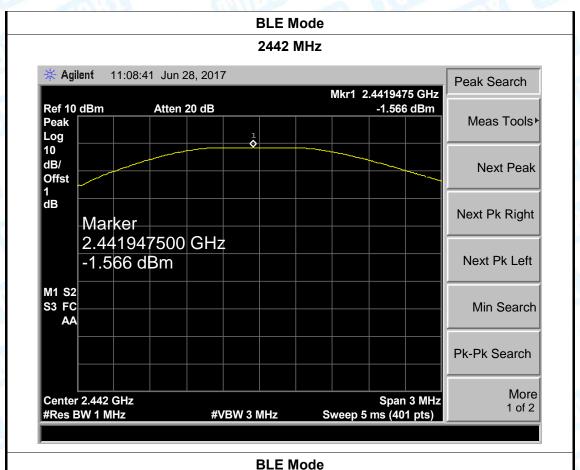
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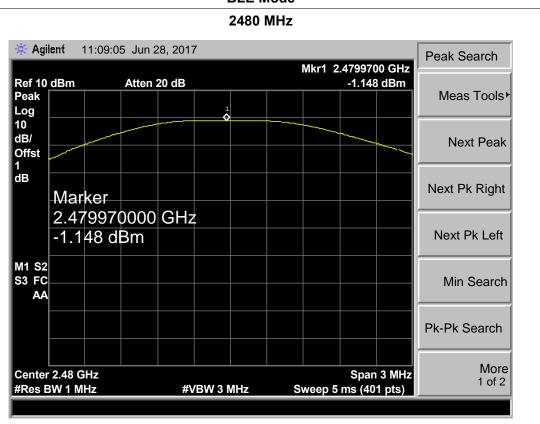
8.5 Test Data

IT:		Bluetoo	th GPS band	Mod	el:		#C70125	
mperati	ıre:	25℃		Rela	tive Humidity	':	55%	
st Volta	ge:	DC 3V	anily.		W. Carlotte		3	
st Mode):	BLE TX	Mode	1100			33	
nannel f	requen	cy (MHz)	Test	Result (di	Bm)	L	_imit (dBm)	
	2402			-1.770				
	2442			-1.566			30	
	2480 -1.148							
			E	BLE Mode				
			2	2402 MHz				
Ref 10 Peak	dBm	Atten	20 dB		Mkr1 2.4019625 -1.77 d		Meas Tools	
			20 dB				Meas Tools Next Peak Next Pk Right	
Peak Log 10 dB/ Offst	Marke	ər	•				Next Peak	
Peak Log 10 dB/ Offst 1 dB	Marke 2.401		•				Next Peak	
Peak Log 10 dB/ Offst	Marke 2.401	er 962500	•				Next Peak Next Pk Right	
Peak Log 10 dB/ Offst 1 dB	Marke 2.401	er 962500	•				Next Peak Next Pk Right Next Pk Left	



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9. Power Spectral Density Test

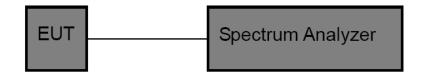
9.1 Test Standard and Limit

9.1.1 Test Standard FCC Part 15.247 (e)

9.1.2 Test Limit

FCC Part 15 Subpart C(15.247)								
Test Item	Test Item Limit Frequency Range(MHz)							
Power Spectral Density								

9.2 Test Setup



9.3 Test Procedure

The EUT was directly connected to the Spectrum Analyzer and antenna output port as show in the block diagram above. The measurement according to section 10.2 of KDB 558074 D01 DTS Meas Guidance v04.

- (1) The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
- (2) Set analyser center frequency to DTS channel center frequency.
- (3) Set the span to 1.5 times the DTS bandwidth.
- (4) Set the RBW to: 3 kHz(5) Set the VBW to: 10 kHz
- (6) Detector: peak
- (7) Sweep time: auto
- (8) Allow trace to fully stabilize. Then use the peak marker function to determine the maximum amplitude level.

9.4 EUT Operating Condition

The EUT was set to continuously transmitting in each mode and low, Middle and high channel for the test.



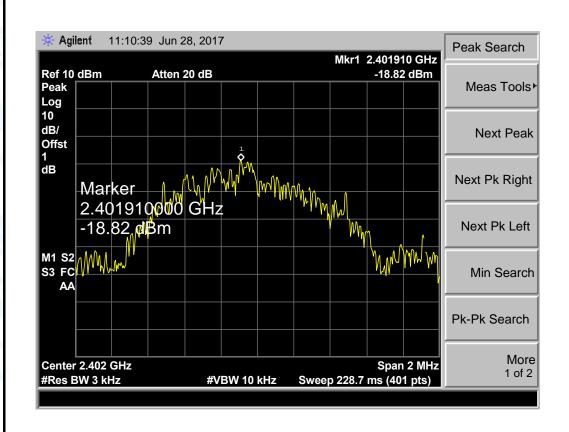
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9.5 Test Data

EUT:	Bluetooth	GPS band Model: #C70125				
Temperature:	25℃	Relative Humidity: 55%				
Test Voltage:	DC 3V	DC 3V				
Test Mode:	BLE TX N	BLE TX Mode				
Channel Freq	uency	Power Density Limit				
(MHz)		(dBm)			1)	Result
2402		-18.82				
2442		-18.57 8				PASS
2480		-18	3.06			
		DIE	Mada		· ·	

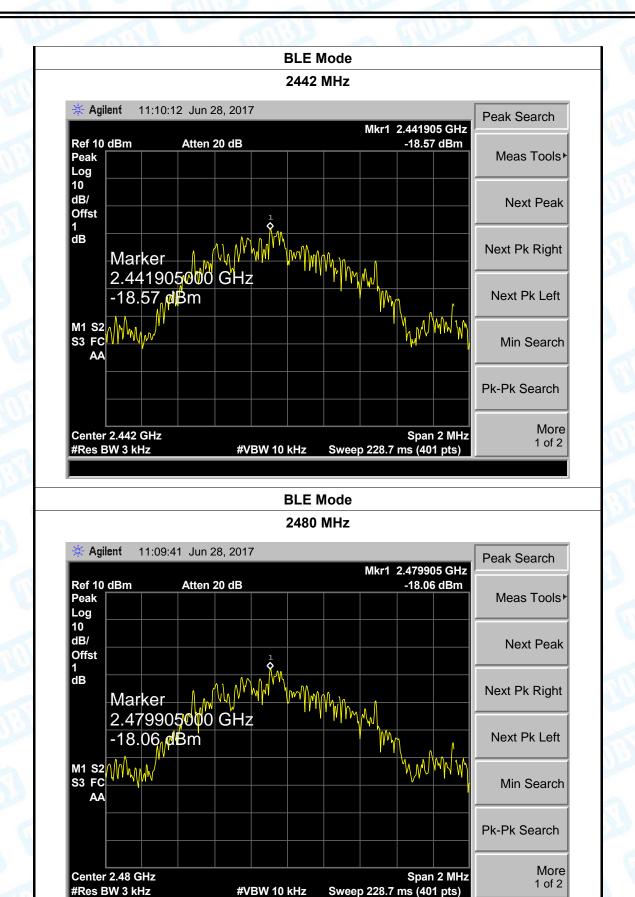
BLE Mode

2402 MHz





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10. Antenna Requirement

10.1 Standard Requirement

10.1.1 Standard FCC Part 15.203

10.1.2 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 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.

10.2 Antenna Connected Construction

The directional gains of the antenna used for transmitting is 2dBi, and the antenna de-signed with permanent attachment and no consideration of replacement. Please see the EUT photo for details.

10.3 Result

The EUT antenna is a Ceramic Antenna. It complies with the standard requirement.

Antenna Type				
⊠Permanent attached antenna	THE PERSON NAMED IN			
Unique connector antenna	U.S.			
Professional installation antenna	Of The			

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