



TEST REPORT

Product Trade mark Model/Type reference : Adjustable Digital Power Supply : SmartSafe

: iSmartEV DP750, iSmartEV VSP-750, EV DP750

Serial Number Report Number FCC ID Date of Issue Test Standards Test result

- : N/A
- : EED32O81671601
- : 2AYANDP750
- : Mar. 21, 2023
- : 47 CFR Part 15 Subpart C

Prepared for:

PASS

SHENZHEN SMARTSAFE TECH CO., LTD 3F, Building B, Qiao'an Technology Industrial Park, Guanlan, Longhua New District, Shenzhen, China

Prepared by:

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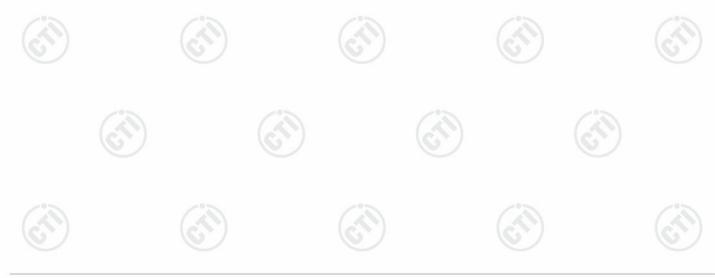






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3 Version

Version N	lo. Date	1	Description	9
00	Mar. 21, 2023		Original	
	10	10	(°)	12
Ê.	(25)	(2)	$(c^{(n)})$	(65)





4 Test Summary



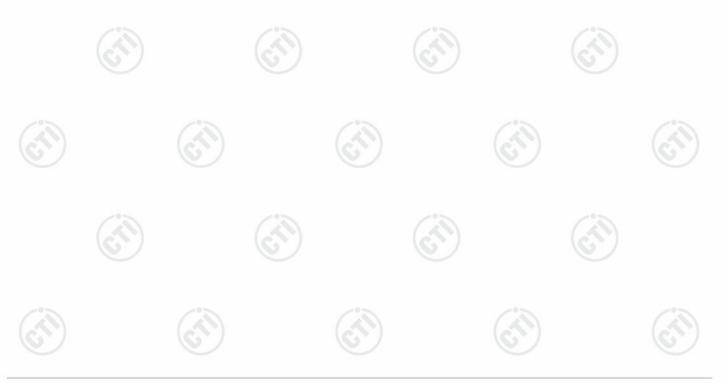
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4 Test Summary		
Test Item	Test Requirement	Result
Antenna Requirement	47 CFR Part 15 Subpart C Section 15.203/15.247 (c)	PASS
AC Power Line Conducted Emission	47 CFR Part 15 Subpart C Section 15.207	PASS
DTS Bandwidth	47 CFR Part 15 Subpart C Section 15.247 (a)(2)	PASS
Maximum Conducted Output Power	47 CFR Part 15 Subpart C Section 15.247 (b)(3)	PASS
Maximum Power Spectral Density	47 CFR Part 15 Subpart C Section 15.247 (e)	PASS
Band Edge Measurements	47 CFR Part 15 Subpart C Section 15.247(d)	PASS
Conducted Spurious Emissions	47 CFR Part 15 Subpart C Section 15.247(d)	PASS
Radiated Spurious Emission & Restricted bands	47 CFR Part 15 Subpart C Section 15.205/15.209	PASS
Remark:	13.203/13.209	(3)

Remark:

Company Name and Address shown on Report, the sample(s) and sample Information were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified. Model No.:iSmartEV DP750, iSmartEV VSP-750 and EV DP750

Only the model iSmartEV DP750 was tested. Their electrical circuit design, layout, components used and internal wiring are identical. Only the sales channels are different.





5 General Information

5.1 Client Information

Applicant:	SHENZHEN SMARTSAFE TECH CO., LTD
Address of Applicant:	3F, Building B, Qiao'an Technology Industrial Park, Guanlan, Longhua New District, Shenzhen, China
Manufacturer:	SHENZHEN SMARTSAFE TECH CO., LTD
Address of Manufacturer:	3F, Building B, Qiao'an Technology Industrial Park, Guanlan, Longhua New District, Shenzhen, China
Factory:	SHENZHEN SMARTSAFE TECH CO., LTD
Address of Factory:	3F, Building B, Qiao'an Technology Industrial Park, Guanlan, Longhua New District, Shenzhen, China

5.2 General Description of EUT

Product Name:	Adjustable Digital Power Supply	
Model No.:	iSmartEV DP750, iSmartEV VSP-750, EV DP750	~>
Test Model No.:	iSmartEV DP750	(27)
Trade mark:	SmartSafe	U
Product Type:	☐ Mobile ☐ Portable ⊠ Fix Location	
Operation Frequency:	2402MHz~2480MHz	~~~
Modulation Type:	GFSK	
Transfer Rate:	⊠ 1Mbps □ 2Mbps	C
Number of Channel:	40	
Antenna Type:	FPC Antenna	
Antenna Gain:	2.72dBi	
Power Supply:	AC 120V	©.
Test Voltage:	AC 120V	
Sample Received Date:	Oct. 25, 2022	
Sample tested Date:	Oct. 25, 2022 to Jan. 13, 2023	
(6)		G



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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

Note:

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

5.3 Test Configuration

Software:	RFTest				
UT Power Grade:	Default(Pov selected)	Default(Power level is built-in set parameters and cannot be changed a selected)			
lse test software to ansmitting of the E	set the lowest frequency UT.	/, the middle frequer	ncy and the highest f	requency keep	
Test Mode	Modulation	Rate	Channel	Frequency(MHz)	
Mode a	GFSK	1Mbps	СН0	2402	
Mode b	GFSK	1Mbps	CH19	2440	
Mode c	GFSK	1Mbps	CH39	2480	







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5.4 Test Environment

	Operating Environment:							
- 63	Radiated Spurious Emissions:							
10	Temperature:	22~25.0 °C				(2)		
2	Humidity:	50~55 % RH		C		C		
	Atmospheric Pressure:	1010mbar						
	Conducted Emissions:							
	Temperature:	22~25.0 °C						
	Humidity:	50~55 % RH	(\mathcal{O})		67)			
	Atmospheric Pressure:	1010mbar						
	RF Conducted:	·						
	Temperature:	22~25.0 °C		(3)		13		
	Humidity:	50~55 % RH		(2)		(\mathcal{O})		
	Atmospheric Pressure:	1010mbar		U		U		

5.5 Description of Support Units

The EUT has been tested with associated equipment below.

1) support equipment

Description	Manufacturer	Model No.	Certification	Supplied by
Netbook	DELL	Latitude 3490	FCC&CE	CTI

5.6 Test Location

All tests were performed at:

Centre Testing International Group Co., Ltd Building C, Hongwei Industrial Park Block 70, Bao'an District, Shenzhen, China Telephone: +86 (0) 755 33683668 Fax:+86 (0) 755 33683385 No tests were sub-contracted. FCC Designation No.: CN1164







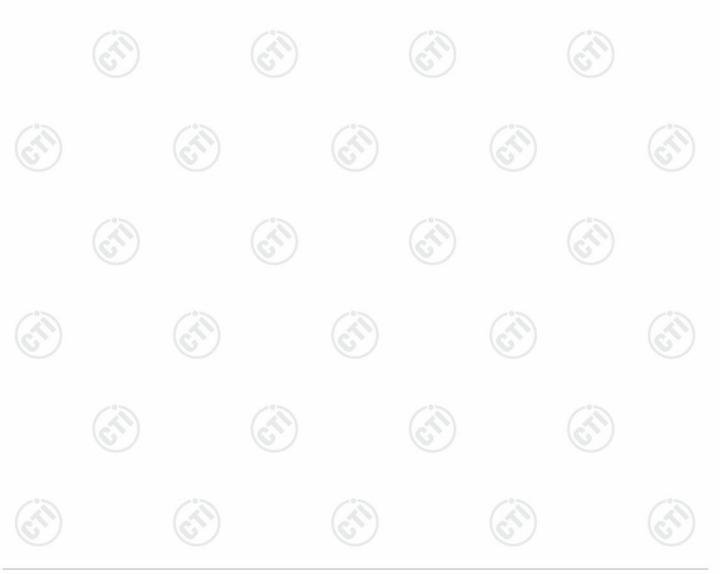






5.7 Measurement Uncertainty (95% confidence levels, k=2)

No.	Item	Measurement Uncertainty
1	Radio Frequency	7.9 x 10 ⁻⁸
2		0.46dB (30MHz-1GHz)
2	RF power, conducted	0.55dB (1GHz-40GHz)
		3.3dB (9kHz-30MHz)
3	Padiated Spurious amission test	4.3dB (30MHz-1GHz)
3	Radiated Spurious emission test	4.5dB (1GHz-18GHz)
a		3.4dB (18GHz-40GHz)
	Conduction emission	3.5dB (9kHz to 150kHz)
4	Conduction emission	3.1dB (150kHz to 30MHz)
5	Temperature test	0.64°C
6	Humidity test	3.8%
7	DC power voltages	0.026%





6 Equipment List

	1.67	- C

	1	RF te	st system			
Equipment	Manufacturer	Mode No. Serial Number		Cal. Date (mm-dd-yyyy)	Cal. Due date	
Communication tset set	R&S	CMW500	107929	07-06-2022	07-05-2023	
Signal Generator	R&S	SMBV100A	1407.6004K02- 262149-CV	09-09-2022	09-08-2023	
Spectrum R&S Analyzer		FSV40	101200	08-01-2022	07-31-2023	
RF control unit(power unit)	MWRF-test	MW100-RFCB	MW220620CTI-42	07-06-2022	07-05-2023	
high-low temperature test chamber	mperature Qin Zhuo		QZ20150611879	12-19-2022	12-18-2023	
Temperature/ Humidity Indicator	biaozhi	НМ10	1804186	06-16-2022	06-15-2023	
BT&WI-FI Automatic test software	MWRF-test MTS 8310		2.0.0.0	(A)	6	

Conducted disturbance Test									
Equipment	Manufacturer	Model No.	Serial Number	Cal. date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)				
Receiver	R&S	ESCI	100435	05-04-2022	05-05-2023				
Temperature/ Humidity Indicator	Defu	TH128	/						
LISN	R&S	ENV216	100098	03-01-2022	02-28-2023				
Barometer	changchun	DYM3	1188						



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	3M Semi-an	echoic Chamber (2)	- Radiated distu	Irbance Test		
Equipment	Manufacturer	Model	Serial No.	Cal. Date	Due Date	
3M Chamber & Accessory Equipment	TDK SAC-3			05/22/2022	05/21/2025	
Receiver	R&S	ESCI7	100938-003	09/28/2022	09/27/2023	
TRILOG Broadband Antenna	schwarzbeck	VULB 9163	9163-618	05/22/2022	05/21/2023	
Multi device Controller	maturo	NCD/070/10711112		(3		
Horn Antenna	ETS-LINGREN	BBHA 9120D	9120D-1869	04/15/2021	04/14/2024	
Loop Antenna Schwarzbeck		FMZB 1519B	1519B-076	04/17/2021	04/16/2024	
Microwave Preamplifier	Agilent	8449B	3008A02425	06/20/2022	06/19/2023	
	G	67)		(G))	6	



































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		60		1	10		
		3M full-anechoid	c Chamber				
Equipment	Manufacturer	Model No.	Serial Number	Cal. Date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)		
RSE Automatic test software	JS Tonscend	JS36-RSE	10166				
Receiver	Keysight	N9038A	MY57290136	03-01-2022	02-28-2023		
Spectrum Analyzer	Keysight	N9020B	MY57111112	03-01-2022	02-28-2023		
Spectrum Analyzer	Keysight	N9030B	MY57140871	03-01-2022	02-28-2023		
TRILOG Broadband Antenna	Schwarzbeck	VULB 9163	9163-1148	04-28-2021	04-27-2024		
Horn Antenna	Schwarzbeck	BBHA 9170	9170-832	04-15-2021	04-14-2024		
Horn Antenna	ETS-LINDGREN	3117	57407	07-04-2021	07-03-2024		
Preamplifier	EMCI	EMC184055SE	980597	04-20-2022	04-19-2023		
Preamplifier	EMCI	EMC001330	980563	04-13-2022	04-12-2023		
Preamplifier	JS Tonscend	TAP-011858	AP21B806112	07-29-2022	07-28-2023		
Communication test set	R&S	CMW500	102898	12-24-2021 12-23-2022	12-23-2022 12-22-2023		
Temperature/ Humidity Indicator	biaozhi	biaozhi GM1360		02-21-2022	02-20-2023		
Fully Anechoic Chamber	TDK	FAC-3		01-09-2021	01-08-2024		
Cable line	Times	SFT205-NMSM-2.50M	394812-0001				
Cable line	Times	SFT205-NMSM-2.50M	394812-0002		(2		
Cable line	Times	SFT205-NMSM-2.50M	394812-0003				
Cable line	Times	SFT205-NMSM-2.50M	393495-0001				
Cable line	Times	EMC104-NMNM-1000	SN160710	(<u> </u>		
Cable line	Times	SFT205-NMSM-3.00M	394813-0001				
Cable line	Times	SFT205-NMNM-1.50M	381964-0001				
Cable line	Times	SFT205-NMSM-7.00M	394815-0001		(6		
Cable line	Times	HF160-KMKM-3.00M	393493-0001				











Hotline:400-6788-333 www.cti-cert.com E-mail:info@cti-cert.com Complaint call:0755-33681700 Complaint E-mail:complaint@cti-cert.com





7 Test results and Measurement Data

7.1 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.

EUT Antenna:	Please see Internal photos
The antenna is EPC antenna	The best case gain of the antenna is 2 72dBi





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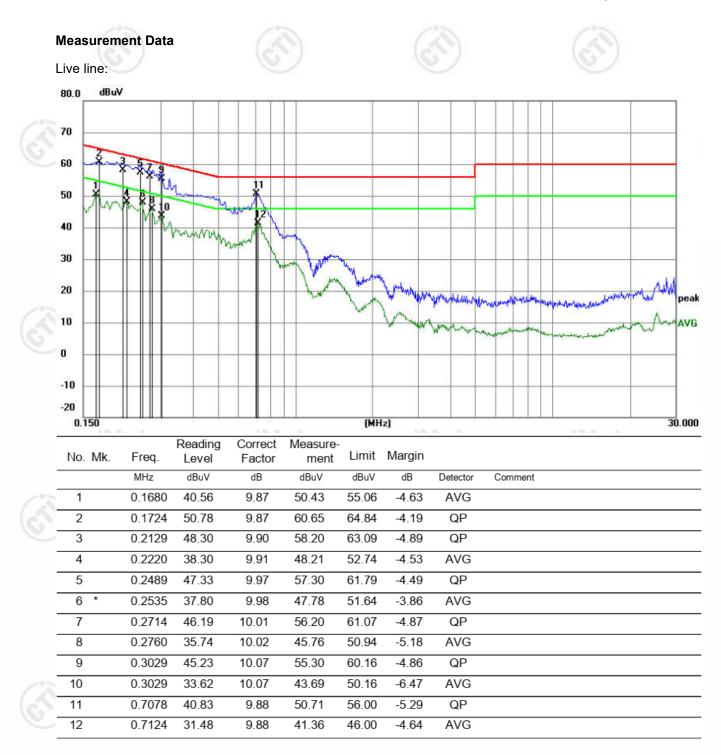
Test Rec	quirement:	47 CFR Part 15C Section 15	.207				
Test Met	hod:	ANSI C63.10: 2013					
Test Free	quency Range:	150kHz to 30MHz					
Receiver	· · · ·	RBW=9 kHz, VBW=30 kHz, S	Sweep time=auto	13			
Limit:				(dBuV)			
		Frequency range (MHz)	Quasi-peak	Average			
		0.15-0.5	66 to 56*	56 to 46*			
		0.5-5	46				
		5-30	56 60	50			
		* Decreases with the logarith					
Test Set	up:						
		Test Receiver					
Test Pro	cedure.	 impedance. The power connected to a second LI plane in the same way multiple socket outlet strip single LISN provided the 3) The tabletop EUT was pl ground reference plane. A placed on the horizontal get on the horizontal get on the EUT shall be 0.4 m vertical ground reference plane. The LIS unit under test and bot mounted on top of the ground associated equipmen 5) In order to find the maxim and all of the interface care 	d to AC power source Network) which provide cables of all other SN 2, which was bond as the LISN 1 for the o was used to connect rating of the LISN was aced upon a non-met And for floor-standing a ground reference plane ith a vertical ground re- from the standard of the nded to a ground re- pund reference plane. LISN 1 and the EUT. it was at least 0.8 m fro- num emission, the rela- ables must be changed	e through a LISN 1 (Lines a $50\Omega/50\mu$ H + 5Ω linea units of the EUT were ded to the ground reference e unit being measured. A multiple power cables to not exceeded. allic table 0.8m above the arrangement, the EUT wa e. eference plane. The rear of bund reference plane. The rear of ound reference plane. The to the horizontal groun- n from the boundary of the eference plane for LISN This distance was betwee All other units of the EUT om the LISN 2. tive positions of equipmer l according to			
Test Mod	de:	ANSI C63.10: 2013 on co All modes were tested, only t report.	- 0.1				







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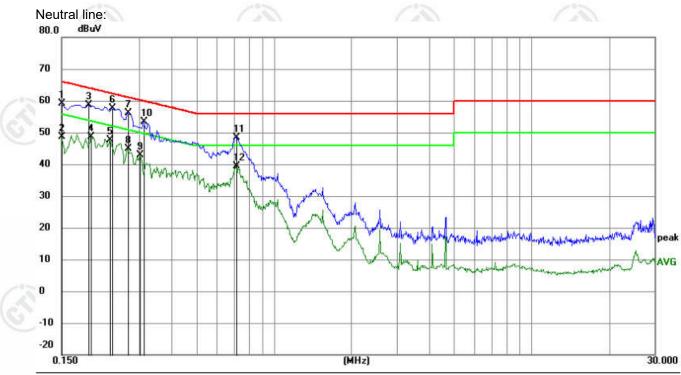
Remark:

- 1. The following Quasi-Peak and Average measurements were performed on the EUT:
- 2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.
- 3. If the Peak value under Average limit, the Average value is not recorded in the report.



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-	No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin			
-		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment	
	1	0.1500	49.22	9.87	59.09	66.00	-6.91	QP		
	2	0.1500	38.70	9.87	48.57	56.00	-7.43	AVG		
12	3	0.1905	48.79	9.87	58.66	64.01	-5.35	QP		
\sim	4	0.1949	38.72	9.87	48.59	53.83	-5.24	AVG		
ع	5	0.2310	37.69	9.93	47.62	52.41	-4.79	AVG		
-	6 *	0.2355	47.58	9.94	57.52	62.25	-4.73	QP		
	7	0.2714	46.01	10.01	56.02	61.07	-5.05	QP		
-	8	0.2714	34.81	10.01	44.82	51.07	-6.25	AVG		
-	9	0.3030	32.75	10.07	42.82	50.16	-7.34	AVG		
	10	0.3120	43.28	10.06	53.34	59.92	-6.58	QP		
	11	0.7125	38.51	9.88	48.39	56.00	-7.61	QP		
12	12	0.7125	29.61	9.88	39.49	46.00	-6.51	AVG		
1	1		1.270.71	0					[N. 7.1

Remark:

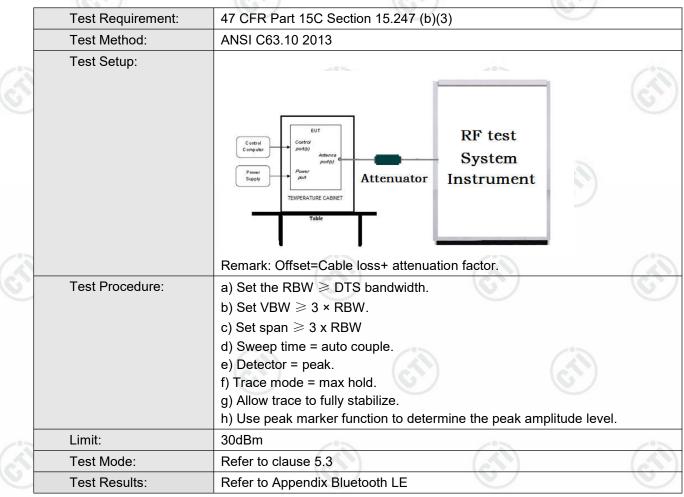
- 1. The following Quasi-Peak and Average measurements were performed on the EUT:
- 2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.
- 3. If the Peak value under Average limit, the Average value is not recorded in the report.





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7.3 Maximum Conducted Output Power









7.4 DTS Bandwidth

Test Requirement:	47 CFR Part 15C Section 15.247 (a)(2)
Test Method:	ANSI C63.10 2013
Test Setup:	
	Control Computer Power Suppy Table RF test System Instrument
	Remark: Offset=Cable loss+ attenuation factor.
Test Procedure:	 a) Set RBW = 100 kHz. b) Set the VBW ≥[3 × RBW]. c) Detector = peak. d) Trace mode = max hold. e) Sweep = auto couple. f) Allow the trace to stabilize. g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.
Limit:	≥ 500 kHz
Test Mode:	Refer to clause 5.3
Test Results:	Refer to Appendix Bluetooth LE







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7.5 Maximum Power Spectral Density

	Test Requirement:	47 CFR Part 15C Section 15.247 (e)
	Test Method:	ANSI C63.10 2013
E	Test Setup:	
		Curted Congular Power Supply TeMPERATURE CABINET Table
0		Remark: Offset=Cable loss+ attenuation factor.
	Test Procedure:	 a) Set analyzer center frequency to DTS channel center frequency. b) Set the span to 1.5 times the DTS bandwidth. c) Set the RBW to 3 kHz < RBW < 100 kHz. d) Set the VBW > [3 × RBW]. e) Detector = peak. f) Sweep time = auto couple. g) Trace mode = max hold. h) Allow trace to fully stabilize. i) Use the peak marker function to determine the maximum amplitude level within the RBW. j) If measured value exceeds requirement, then reduce RBW (but no less than 3 kHz) and repeat.
	Limit:	≤8.00dBm/3kHz
	Test Mode:	Refer to clause 5.3
	Test Results:	Refer to Appendix Bluetooth LE
	67	

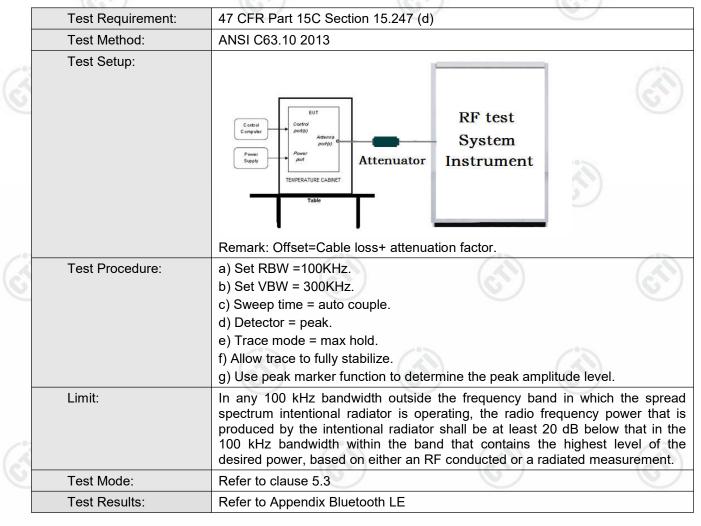






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7.6 Band Edge measurements and Conducted Spurious Emission









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7.7 Radiated Spurious Emission & Restricted bands

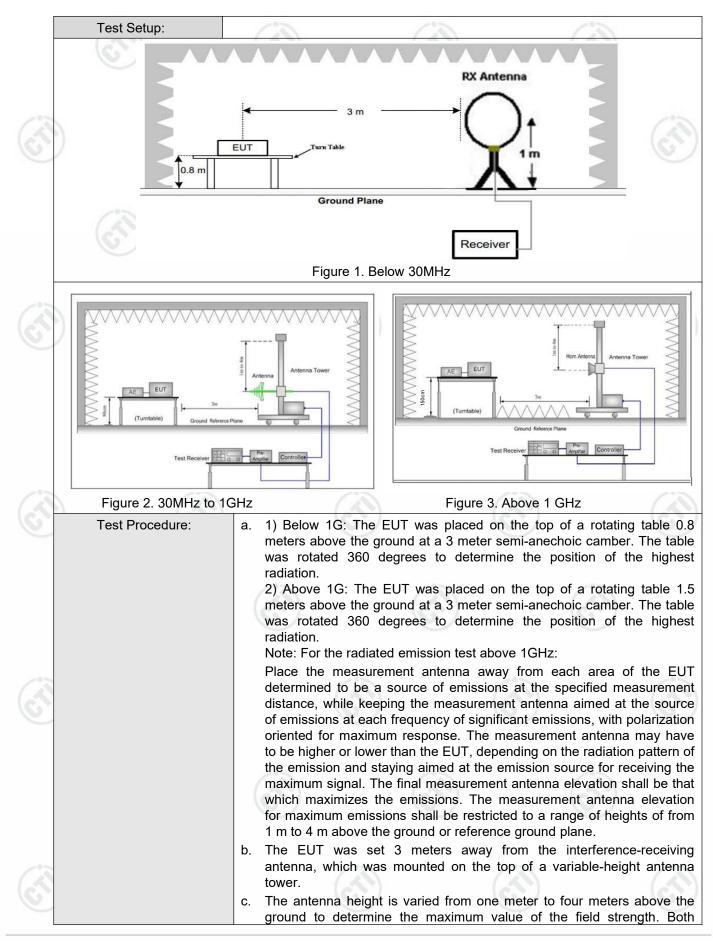
	Test Requirement:	47 CFR Part 15C Section	on 1	5.209 and 15	.205		C	/		
	Test Method:	ANSI C63.10 2013								
-	Test Site:	Measurement Distance: 3m (Semi-Anechoic Chamber)								
	Receiver Setup:	Frequency	0	Detector	RBW	1	VBW	Remark		
(U)		0.009MHz-0.090MH	z	Peak	10kHz	z	30kHz	Peak		
		0.009MHz-0.090MH	z	Average	10kHz	z	30kHz	Average		
		0.090MHz-0.110MH	z	Quasi-peak	10kHz	z	30kHz	Quasi-peak		
		0.110MHz-0.490MH	z	Peak	10kHz	z	30kHz	Peak		
		0.110MHz-0.490MH	z	Average	10kHz	z	30kHz	Average		
		0.490MHz -30MHz		Quasi-peak	10kHz	z	30kHz	Quasi-peak		
		30MHz-1GHz		Quasi-peak	100 kHz		300kHz	Quasi-peak		
13			2	Peak	1MHz		3MHz	Peak		
S I		Above 1GHz		Peak	1MHz)	10kHz	Average		
	Limit:	Frequency		eld strength crovolt/meter)	Limit (dBuV/m)		Remark	Measuremer distance (m		
		0.009MHz-0.490MHz	2400/F(kHz)		-	-/2		300		
		0.490MHz-1.705MHz	24	4000/F(kHz)	-		- 68	30		
		1.705MHz-30MHz		30	-		<u>e</u>	30		
		30MHz-88MHz	100		40.0	G	uasi-peak	3		
		88MHz-216MHz		150	43.5	C	uasi-peak	3		
		216MHz-960MHz	2	200	46.0	G	uasi-peak	3		
0		960MHz-1GHz)	500	54.0	G	uasi-peak	3		
		Above 1GHz		500	54.0		Average	3		
		frequency emissions is limit applicable to the e	Note: 15.35(b), Unless otherwise specified, the frequency emissions is 20dB above the maximum per limit applicable to the equipment under test. This pea peak emission level radiated by the device.			rmitted ave	erage emission			











CTI华测检测

Report No. : EED32O81671601

	i. Repeat above procedures until all frequencies measured was complete.
	h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
	g. Test the EUT in the lowest channel (2402MHz),the middle channel (2440MHz),the Highest channel (2480MHz)
	f. 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.
	e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
	 horizontal and vertical polarizations of the antenna are set to make the measurement. d. 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.











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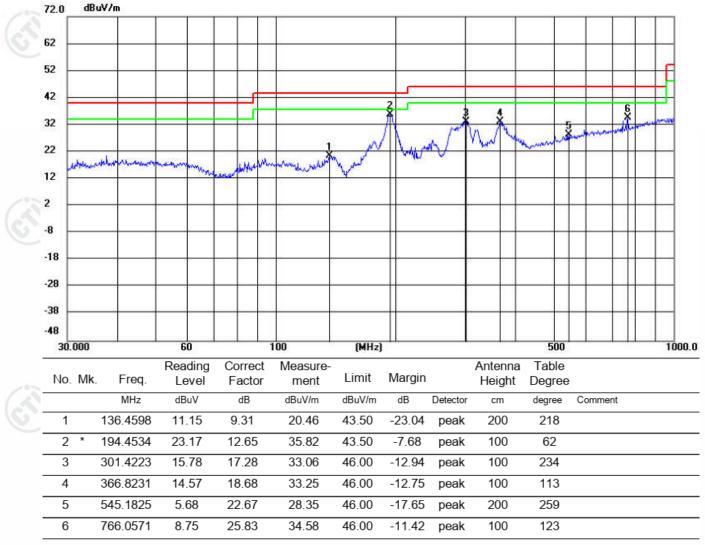
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Report No. : EED32O81671601

Radiated Spurious Emission below 1GHz:

During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes, only the worst case highest channel of GFSK was recorded in the report.

Horizontal:



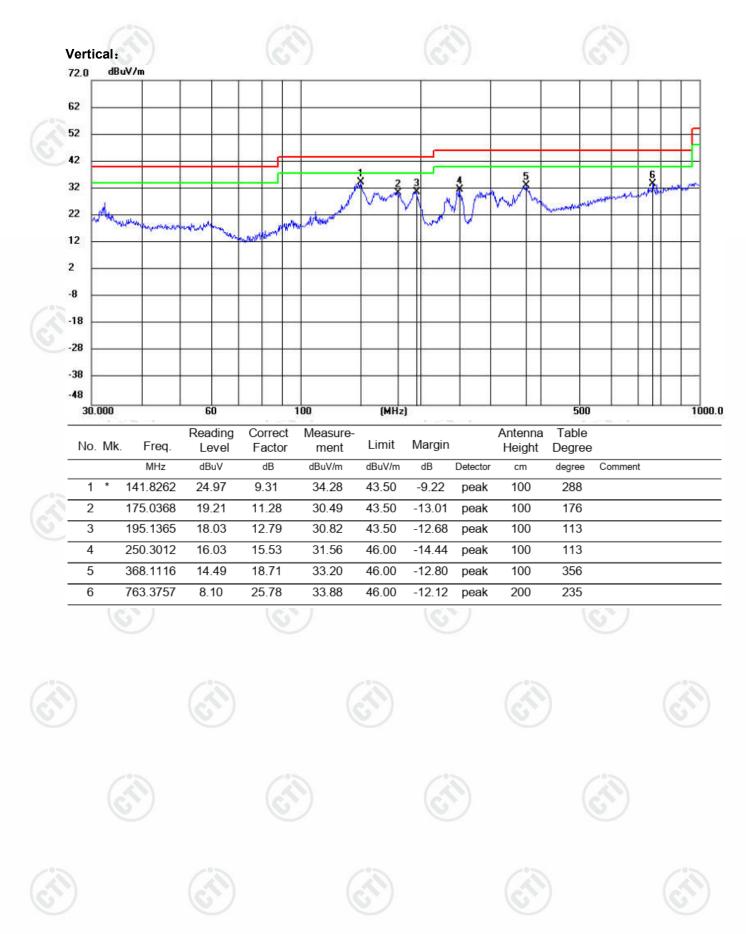








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Radiated Spurious Emission above 1GHz:

	Mode	:		BLE GFSK Transmitting Channel			Channel:		2402 MHz		
3	NO	Freq. [MHz]	Factor [dB]	Factor [dB] Reading [dBµV] Level Limit [dBµV/m] [dBµV/m] Margin [dB]		Margin [dB]	Result	Polarity	Remark		
	1	1390.239	1.36	39.81	41.17	74.00	32.83	Pass	н	PK	
	2	2111.7112	4.76	39.25	44.01	74.00	29.99	Pass	Н	PK	
	3	4231.0821	-17.78	3 56.00	38.22	74.00	35.78	Pass	Н	PK	
	4	7206.2804	-11.83	61.92	50.09	74.00	23.91	Pass	Н	PK	
	5	11198.5466	-6.43	51.20	44.77	74.00	29.23	Pass	н	PK	
	6	14328.7552	0.04	48.58	48.62	74.00	25.38	Pass	Н	PK	
	7	1328.8329	1.16	40.87	42.03	74.00	31.97	Pass	V	PK	
	8	1991.4992	4.50	39.92	44.42	74.00	29.58	Pass	V	PK	
12	9	4988.1325	-15.87	7 57.67	41.80	74.00	32.20	Pass	V	PK	
	10	7207.2805	-11.83	66.16	54.33	74.00	19.67	Pass	V	PK	
4	11	8998.3999	-8.48	54.53	46.05	74.00	27.95	Pass	V	PK	
	12	14385.7591	0.99	47.53	48.52	74.00	25.48	Pass	V	PK	
	13	7208.2806	-11.83	56.58	44.75	54.00	9.25	Pass	V	AV	
-				10.7	•	- 10 http://			dia tao		

	Mode	Node:			E GFSK Trar	nsmitting	Channel:		2440 MHz		
	NO	NO Freq. [dB]			Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
2	1	1346.4346	1.22		40.35	41.57	74.00	32.43	Pass	Н	PK
	2	1842.8843	3.60		39.37	42.97	74.00	31.03	Pass	Н	PK
_	3	3690.046	-19.97		56.68	36.71	74.00	37.29	Pass	Н	PK
Ī	4	5995.1997	-12.99)	52.53	39.54	74.00	34.46	Pass	Н	PK
	5	8632.3755	-10.28		51.33	41.05	74.00	32.95	Pass	Н	PK
	6	13277.6852	-3.38		50.37	46.99	74.00	27.01	Pass	Н	PK
ſ	7	1327.8328	1.15		39.86	41.01	74.00	32.99	Pass	V	PK
	8	1913.6914	4.10		39.00	43.10	74.00	30.90	Pass	V	PK
	9	4995.133	-15.84		57.08	41.24	74.00	32.76	Pass	V	PK
	10	7321.2881	-11.65	;	69.20	57.55	74.00	16.45	Pass	V	PK
3	11	8995.3997	-8.50		54.07	45.57	74.00	28.43	Pass	V	PK
	12	12509.634	-4.76		51.42	46.66	74.00	27.34	Pass	V	PK
1	13	7321.2881	-11.65		62.29	50.64	54.00	3.36	Pass	V	AV

















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-		200				20-				
	Mode	:		BLE GFSK Transmitting			Channel:		2480 MHz	
	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
-	1	1324.4324	1.14	40.48	41.62	74.00	32.38	Pass	н	PK
0	2	1990.6991	4.50	38.66	43.16	74.00	30.84	Pass	Н	PK
	3	3850.0567	-19.17	56.99	37.82	74.00	36.18	Pass	Н	PK
	4	5723.1815	-13.84	53.23	39.39	74.00	34.61	Pass	Н	PK
	5	7441.2961	-11.34	57.74	46.40	74.00	27.60	Pass	Н	PK
	6	12581.6388	-4.24	51.14	46.90	74.00	27.10	Pass	Н	PK
	7	1330.8331	1.16	40.09	41.25	74.00	32.75	Pass	V	PK
Ī	8	2028.1028	4.64	39.16	43.80	74.00	30.20	Pass	V	PK
ſ	9	4985.1323	-15.88	58.47	42.59	74.00	31.41	Pass	V	PK
Ī	10	7440.296	-11.34	68.41	57.07	74.00	16.93	Pass	V	PK
3	11	8985.399	-8.58	54.61	46.03	74.00	27.97	Pass	V	PK
	12	14326.7551	0.01	47.54	47.55	74.00	26.45	Pass	V	PK
_	13	7441.2961	-11.34	61.42	50.08	54.00	3.92	Pass	V	AV

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 above 10GHz and below 30MHz was very low. 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.









Restricted bands:

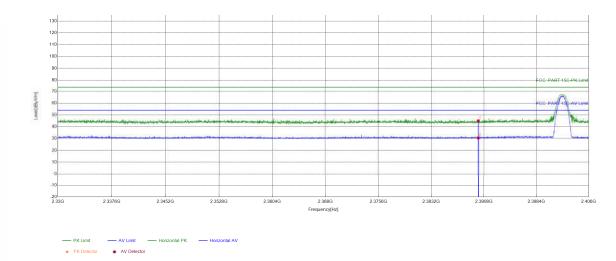




Test plot as follows:

(A)	Mode:	BLE GFSK Transmitting	Test_Frequency:	2402	
I A A A A A A A A A A A A A A A A A A A	Remark:	1M	J		e)

Test Graph

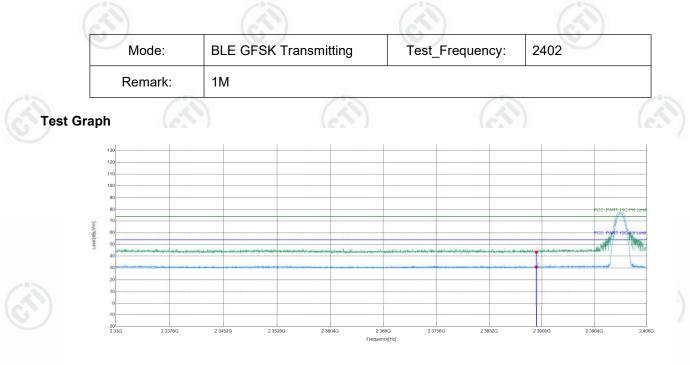


	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
ſ	1	2390	5.77	39.28	45.05	74.00	28.95	PASS	Horizontal	PK
Γ	2	2390	5.77	24.73	30.50	54.00	23.50	PASS	Horizontal	AV
	(5)		67)	·	(67)			(\mathcal{C}^{*})		





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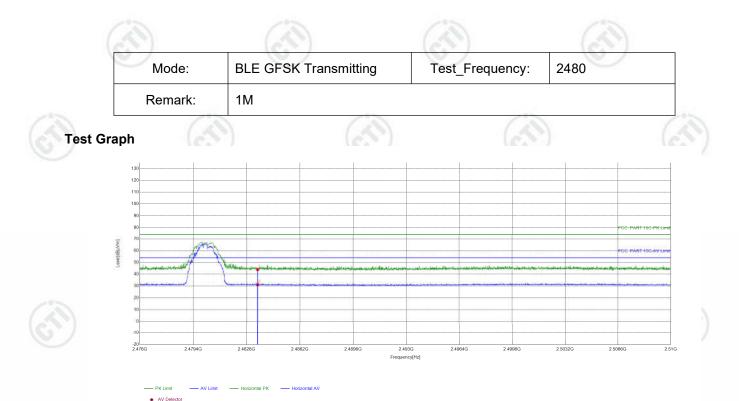


_	10.	21		16.21		16.2	l:		6.2				
	Suspected List												
-0-	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark			
2	1	2390	5.77	37.79	43.56	74.00	30.44	PASS	Vertical	PK			
2	2	2390	5.77	25.06	30.83	54.00	23.17	PASS	Vertical	AV			

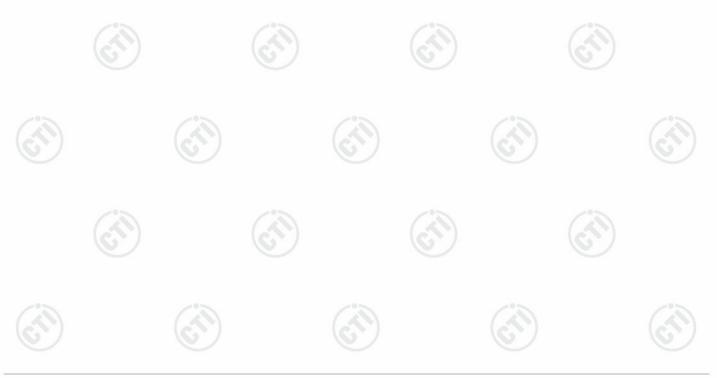




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Suspected List Factor Freq. Reading Level Limit Margin [dB] NO Result Polarity Remark [MHz] [dBµV] $[dB\mu V/m]$ [dBµV/m] [dB] 6.57 74.00 29.99 PASS Horizontal ΡK 2483.5 37.44 44.01 1 2 6.57 31.17 54.00 22.83 PASS AV 2483.5 24.60 Horizontal





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-07	NO	Freq. [MHz]	[dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
~	1	2483.5	6.57	44.60	51.17	74.00	22.83	PASS	Vertical	PK
9	2	2483.5	6.57	24.44	31.01	54.00	22.99	PASS	Vertical	AV

Note: 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 -Correct Factor

Correct Factor = Preamplifier Factor-Antenna Factor-Cable Factor

