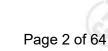






	TES	T REPORT		
	Product Trade mark Model/Type reference Serial Number Report Number FCC ID	 10.1-inch central KANDI TOP102 N/A EED32P8061730 2A8M8-TOP102 		
	Date of Issue Test Standards Test result	: Jul. 11, 2023 : 47 CFR Part 15 \$: PASS	Subpart C	
	8050 Forest Centre Testing In Hongwei Industr	Prepared for: Autosports, LLC t Lane Dallas,TX 7 Prepared by: nternational Grou rial Zone, Bao'an 7	p Co., Ltd. 70 District,	
	TEL: +	n, Guangdong, Ch •86-755-3368 3668 •86-755-3368 3385		
Compiled by	r: Jırazer. Lö Frazer Li	Reviewed by:	Ton Chen Tom Chen	
Approved by CT Report Seal	Aaron Ma	Date:	Jul. 11, 2023 Check No.: 88	57270423
(St)	CI			





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2 Version





1	Version No.	10	Date	10		Descriptio	on	12
(ST)	00	JI	ul. 11, 2023			Original		(\mathcal{C})
	(A)		(A)		(A)		(A)	



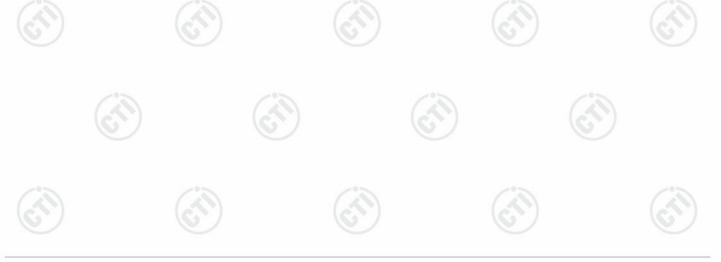


Test Item	Test Requirement	Result	
Antenna Requirement	47 CFR Part 15, Subpart C Section 15.203/15.247 (c)	PASS	
AC Power Line Conducted Emission	47 CFR Part 15, Subpart C Section 15.207	N/A	
Maximum Conducted Output Power	47 CFR Part 15, Subpart C Section 15.247 (b)(1)	PASS	
20dB Emission Bandwidth	47 CFR Part 15, Subpart C Section 15.247 (a)(1)	PASS	
Carrier Frequency Separation	47 CFR Part 15, Subpart C Section 15.247 (a)(1)	PASS	
Number of Hopping Channels	47 CFR Part 15, Subpart C Section 15.247 (a)(1)	PASS	
Time of Occupancy	47 CFR Part 15, Subpart C Section 15.247 (a)(1)	PASS	
Pseudorandom Frequency Hopping Sequence	47 CFR Part 15, Subpart C Section 15.247(b)(4)	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 emissions	47 CFR Part 15, Subpart C Section 15.205/15.209	PASS	
Restricted bands around fundamental frequency	47 CFR Part 15, Subpart C Section 15.205/15.209	PASS	

Remark:

N/A:The product is powered by DC 12.0V.

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.







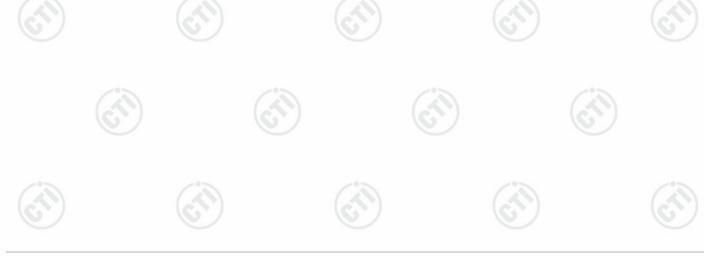
4 General Information

4.1 Client Information

Applicant:	SC Autosports, LLC	
Address of Applicant:	8050 Forest Lane Dallas,TX 75243	
Manufacturer:	SC Autosports, LLC	
Address of Manufacturer:	8050 Forest Lane Dallas,TX 75243	()
Factory:	SC Autosports, LLC	
Address of Factory:	8050 Forest Lane Dallas,TX 75243	-0-
	Address of Applicant: Manufacturer: Address of Manufacturer: Factory:	Address of Applicant: 8050 Forest Lane Dallas,TX 75243 Manufacturer: SC Autosports, LLC Address of Manufacturer: 8050 Forest Lane Dallas,TX 75243 Factory: SC Autosports, LLC 8050 Forest Lane Dallas,TX 75243 Factory: 8050 Forest Lane Dallas,TX 75243

4.2 General Description of EUT

	Product Name:	10.1-inch central contro	ol screen	
	Model No.:	TOP102		
2	Trade Mark:	KANDI		
3	Product Type:	Fix Location	(S)	(J)
	Operation Frequency:	2402MHz~2480MHz		
	Modulation Technique:	Frequency Hopping Sp	read Spectrum(FHSS)	
	Modulation Type:	GFSK, π/4DQPSK, 8D	PSK	1
	Number of Channel:	79	(25)	(25)
	Hopping Channel Type:	Adaptive Frequency Ho	opping systems	U
	Antenna Type:	Internal antenna		
ö.,	Antenna Gain:	Antenna Scheme 1:	2.20dBi	25
		Antenna Scheme 2:	2.17dBi	(1)
2			s are of the same antenna na scheme 1,and recorde	
	Power Supply:	DC 12.0V		
	Test Voltage:	DC 12.0V		
	Sample Received Date:	Apr. 27, 2023		
	Sample tested Date:	Apr. 27, 2023 to May 1	2, 2023	





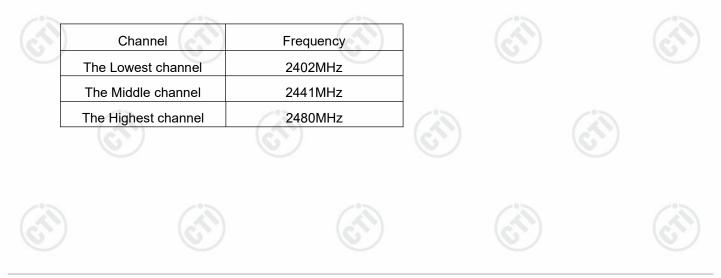




Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
0	2402MHz	20	2422MHz	40	2442MHz	60	2462MHz
1	2403MHz	21	2423MHz	41	2443MHz	61	2463MHz
2	2404MHz	22	2424MHz	42	2444MHz	62	2464MHz
3	2405MHz	23	2425MHz	43	2445MHz	63	2465MHz
4	2406MHz	24	2426MHz	44	2446MHz	64	2466MHz
5	2407MHz	25	2427MHz	45	2447MHz	65	2467MHz
6	2408MHz	26	2428MHz	46	2448MHz	66	2468MHz
7	2409MHz	27	2429MHz	47	2449MHz	67	2469MHz
8	2410MHz	28	2430MHz	48	2450MHz	68	2470MHz
9	2411MHz	29	2431MHz	49	2451MHz	69	2471MHz
10	2412MHz	30	2432MHz	50	2452MHz	70	2472MHz
11	2413MHz	31	2433MHz	51	2453MHz	71	2473MHz
12	2414MHz	32	2434MHz	52	2454MHz	72	2474MHz
13	2415MHz	33	2435MHz	53	2455MHz	73	2475MHz
14	2416MHz	34	2436MHz	54	2456MHz	74	2476MHz
15	2417MHz	35	2437MHz	55	2457MHz	75	2477MHz
16	2418MHz	36	2438MHz	56	2458MHz	76	2478MHz
17	2419MHz	37	2439MHz	57	2459MHz	77	2479MHz
18	2420MHz	38	2440MHz	58	2460MHz	78	2480MHz
19	2421MHz	39	2441MHz	59	2461MHz		

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:

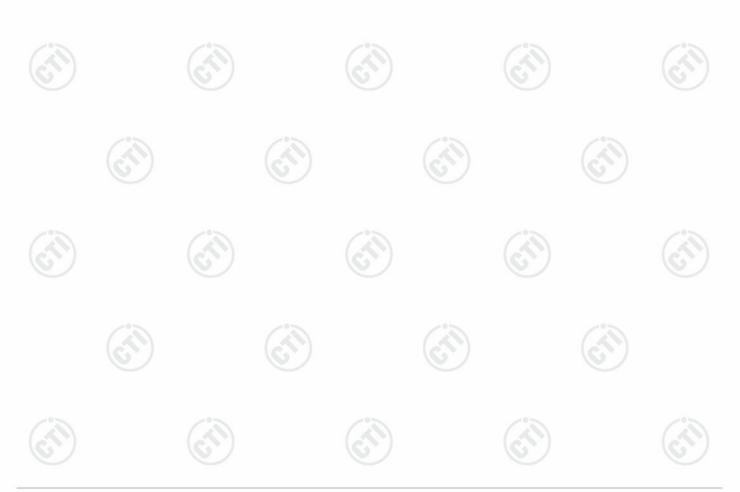






4.3 Test Configuration

EUT Test Software Settings	:						
Software:	RF test						
EUT Power Grade:	Default(Power level is built-in set parameters and cannot be changed and selected)						
Use test software to set the lo transmitting of the EUT.	west frequency, the m	iddle frequency and the	highest frequency keep				
Mode	Cha	Innel	Frequency(MHz)				
	с	но	2402				
DH1/DH3/DH5	СН	139	2441				
	CH	178	2480				
	С	НО	2402				
2DH1/2DH3/2DH5	CH	139	2441				
	CH	178	2480				
	С	HO	2402				
3DH1/3DH3/3DH5	CH	139	2441				
(c ⁵)	CH	178	2480				









4.4 Test Environment

Operating Environment	•				
Radiated Spurious Emi	ssions:				
Temperature:	22~25.0 °C				
Humidity:	50~55 % RH		(in)		6
Atmospheric Pressure:	1010mbar		(\mathcal{O})		6)
Conducted Emissions:					
Temperature:	22~25.0 °C				
Humidity:	50~55 % RH	125		23	
Atmospheric Pressure:	1010mbar	(\mathcal{A})			
RF Conducted:					
Temperature:	22~25.0 °C				
Humidity:	50~55 % RH				
Atmospheric Pressure:	1010mbar				
	Humidity: Atmospheric Pressure: Conducted Emissions: Temperature: Humidity: Atmospheric Pressure: RF Conducted: Temperature: Humidity:	Humidity:50~55 % RHAtmospheric Pressure:1010mbarConducted Emissions:Temperature:22~25.0 °CHumidity:50~55 % RHAtmospheric Pressure:1010mbarRF Conducted:Temperature:22~25.0 °CHumidity:50~55 % RH	Humidity:50~55 % RHAtmospheric Pressure:1010mbarConducted Emissions:22~25.0 °CTemperature:22~25.0 °CHumidity:50~55 % RHAtmospheric Pressure:1010mbarRF Conducted:22~25.0 °CTemperature:22~25.0 °CHumidity:50~55 % RH	Humidity:50~55 % RHAtmospheric Pressure:1010mbarConducted Emissions:22~25.0 °CTemperature:22~25.0 °CHumidity:50~55 % RHAtmospheric Pressure:1010mbarRF Conducted:22~25.0 °CTemperature:22~25.0 °CHumidity:50~55 % RH	Humidity:50~55 % RHAtmospheric Pressure:1010mbarConducted Emissions:22~25.0 °CTemperature:22~25.0 °CHumidity:50~55 % RHAtmospheric Pressure:1010mbarRF Conducted:22~25.0 °CTemperature:22~25.0 °CHumidity:50~55 % RHStrong Strong

4.5 Description of Support Units

The EUT has been tested independently.

4.6 Test Location

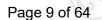
All tests were performed at:

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









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

No.	Item	Measurement Uncertainty	
1	Radio Frequency	7.9 x 10 ⁻⁸	
2 RF power, conducted		0.46dB (30MHz-1GHz)	
2	RF power, conducted	0.55dB (1GHz-40GHz)	
	- (IS) (IS)	3.3dB (9kHz-30MHz)	
3	Padiated Spurious omission test	4.3dB (30MHz-1GHz)	
3	Radiated Spurious emission test	4.5dB (1GHz-18GHz)	
		3.4dB (18GHz-40GHz)	
4	Conduction orningion	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%	







4.8 Equipment List

		RF te	st system		
Equipment	Manufacturer	Model No.	Serial Number	Cal. Date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)
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 Analyzer	R&S	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	Dong Guang Qin Zhuo	LK-80GA	QZ20150611879	12-19-2022	12-18-2023
Temperature/ Humidity Indicator	biaozhi	HM10	1804186	06-16-2022	06-15-2023
BT&WI-FI Automatic test software	MWRF-test	MTS 8310	2.0.0.0	(A)	









	3M Semi-an	echoic Chamber (2)-	Radiated disturb	oance Test	1
Equipment	Manufacturer	Model	Serial No.	Cal. Date	Due Date
3M Chamber & Accessory Equipment	ток	SAC-3		05/22/2022	05/21/2025
Receiver	R&S	ESCI7	100938-003	09/28/2022	09/27/2023
Spectrum Analyzer	R&S	FSV40	101200	07/29/2022	07/28/2023
TRILOG Broadband Antenna	schwarzbeck	VULB 9163	9163-618	05/22/2022	05/21/2025
Loop Antenna	Schwarzbeck	FMZB 1519B	1519B-076	04/15/2021	04/14/2024
Microwave Preamplifier	Tonscend	EMC051845SE	980380	12/23/2022	12/23/2023
Horn Antenna	A.H.SYSTEM S	SAS-574	374	05/29/2021	05/28/2024
Horn Antenna	ETS-LINGREN	BBHA 9120D	9120D-1869	04/15/2021	04/14/2024
Preamplifier	Agilent	11909A	12-1	03/28/2023	03/27/2024
Preamplifier	CD	PAP-1840-60	6041.6042	07/05/2022	07/04/2023
Cable line	Fulai(7M)	SF106	5219/6A		
Cable line	Fulai(6M)	SF106	5220/6A	(9
Cable line	Fulai(3M)	SF106	5216/6A		
Cable line	Fulai(3M)	SF106	5217/6A		









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	(A)	6	
Receiver	Keysight	N9038A	MY57290136	02-27-2023	02-26-2024	
Spectrum Analyzer	Keysight	N9020B	MY57111112	02-21-2023	02-20-2024	
Spectrum Analyzer	Keysight	N9030B	MY57140871	02-21-2023	02-20-2024	
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	04-13-2023	04-12-2024	
Preamplifier	EMCI	EMC001330	980563	03-28-2023	03-27-2024	
Preamplifier	JS Tonscend	TAP-011858	AP21B806112	07-29-2022	07-28-2023	
Communication test set	R&S	CMW500	102898	12-23-2022	12-22-2023	
Temperature/ Humidity Indicator	biaozhi	GM1360	EE1186631	04-11-2023	04-10-2024	
Fully Anechoic Chamber	TDK	FAC-3		01-09-2021	01-08-2024	
Cable line	Times	SFT205-NMSM-2.50M	394812-0001	(<u>()</u>	
Cable line	Times	SFT205-NMSM-2.50M	394812-0002			
Cable line	Times	SFT205-NMSM-2.50M	394812-0003			
Cable line	Times	SFT205-NMSM-2.50M	393495-0001	(d))	(ć	
Cable line	Times	EMC104-NMNM-1000	SN160710			
Cable line	Times	SFT205-NMSM-3.00M	394813-0001			
Cable line	Times	SFT205-NMNM-1.50M	381964-0001	(6	s)	
Cable line	Times	SFT205-NMSM-7.00M	394815-0001			
Cable line	Times	HF160-KMKM-3.00M	393493-0001	<u></u>		
·)	(\sim)	(2)		(\mathcal{A})	(6	





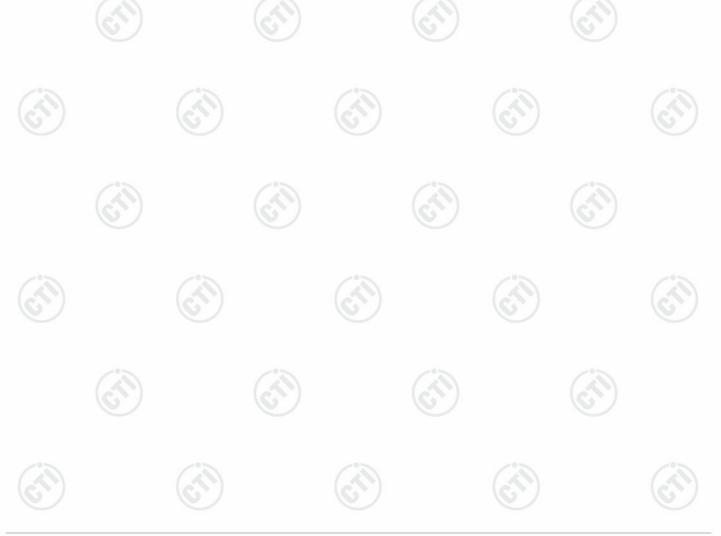


Test results and Measurement Data 5

5.1 Antenna Requirement

Standard requirement:	47 CFR Part 15	C Section 15.203 /247(c)						
15.203 requirement:	15.203 requirement:							
responsible party shall be u antenna that uses a unique so that a broken antenna c	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.							
antennas with directional g section, if transmitting ante power from the intentional	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							

The antenna is integral antenna. The best case gain of the antenna is 2.20dBi.









5.2 Maximum Conducted Output Power

	Test Requirement:	47 CFR Part 15C Section 15.247 (b)(1)
	Test Method:	ANSI C63.10:2013
1	Test Setup:	RF test Supple Fourt Supple Teble RF test System Instrument
		Remark: Offset=Cable loss+ attenuation factor.
	Test Procedure:	Use the following spectrum analyzer settings: Span = approximately 5 times the 20 dB bandwidth, centered on a hopping channel RBW > the 20 dB bandwidth of the emission being measured VBW ≥ RBW Sweep = auto Detector function = peak Trace = max hold Allow the trace to stabilize. Use the marker-to-peak function to set the marker to the peak of the emission.
	Limit:	21dBm
1	Exploratory Test Mode:	Non-hopping transmitting with all kind of modulation and all kind of data type
2	Final Test Mode:	Through Pre-scan, find the DH5 of data type is the worst case of GFSK modulation type, 2-DH5 of data type is the worst case of π /4DQPSK modulation type, 3-DH5 of data type is the worst case of 8DPSK modulation type.
	Test Results:	Refer to Appendix BT Classic
	(S)	67 67 67









5.3 20dB Emission Bandwidth

	Test Requirement:	47 CFR Part 15C Section 15.247 (a)(1)
	Test Method:	ANSI C63.10:2013
	Test Setup:	Cortest Control Con
Ś	Test Procedure:	 Remark: Offset=Cable loss+ attenuation factor. 1. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. 2. Set to the maximum power setting and enable the EUT transmit continuously. 3. Use the following spectrum analyzer settings for 20dB Bandwidth measurement. Span = approximately 2 to 5 times the 20 dB bandwidth, centered on a hopping channel; 1%≤RBW ≤5% of the 20 dB bandwidth; VBW≥3RBW; Sweep = auto; Detector function = peak; Trace = max hold. 4. Measure and record the results in the test report.
	Limit:	NA
23	Exploratory Test Mode:	Non-hopping transmitting with all kind of modulation and all kind of data type
<u>છે</u>	Final Test Mode:	Through Pre-scan, find the DH5 of data type is the worst case of GFSF modulation type, 2-DH5 of data type is the worst case of π /4DQPSF modulation type, 3-DH5 of data type is the worst case of 8DPSK modulation type.
	Test Results:	Refer to Appendix BT Classic
	(C)	









5.4 Carrier Frequency Separation

	Test Requirement:	47 CFR Part 15C Section 15.247 (a)(1)
	Test Method:	ANSI C63.10:2013
	Test Setup:	RF test Super- Toole Toole Teble RF test System Instrument
		Remark: Offset=Cable loss+ attenuation factor.
	Test Procedure:	 The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. Enable the EUT hopping function. Use the following spectrum analyzer settings: Span = wide enough to capture the peaks of two adjacent channels; RBW is set to approximately 30% of the channel spacing, adjust as necessary to best identify the center of each individual channel; VBW≥RBW; Sweep = auto; Detector function = peak; Trace = max hold. Use the marker-delta function to determine the separation between the peaks of the adjacent channels. Record the value in report.
	Limit:	Frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater.
	Exploratory Test Mode:	Hopping transmitting with all kind of modulation and all kind of data type
	Final Test Mode:	Through Pre-scan, find the DH5 of data type is the worst case of GFSK modulation type, 2-DH5 of data type is the worst case of π /4DQPSK modulation type, 3-DH5 of data type is the worst case of 8DPSK modulation type.
Ć	Test Results:	Refer to Appendix BT Classic







5.5 Number of Hopping Channel

	Test Requirement:	47 CFR Part 15C Section 15.247 (a)(1)						
	Test Method:	ANSI C63.10:2013						
S	Test Setup:	Control Con						
		Remark: Offset=Cable loss+ attenuation factor.						
Ś	Test Procedure:	 The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. 						
		3. Enable the EUT hopping function.						
		4. Use the following spectrum analyzer settings: Span = the frequency band of operation; set the RBW to less than 30% of the channel spacing or the 20 dB bandwidth, whichever is smaller; VBW≥RBW; Sweep= auto; Detector function = peak; Trace = max hold.						
3		5. The number of hopping frequency used is defined as the number of total channel.6. Record the measurement data in report.						
	Limit:	Frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels.						
	Test Mode:	Hopping transmitting with all kind of modulation						
	Test Results:	Refer to Appendix BT Classic						



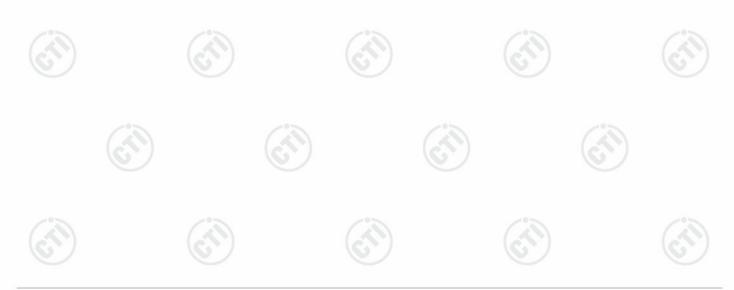






5.6 Time of Occupancy

Test Requirement:	47 CFR Part 15C Section 15.247 (a)(1)
Test Method:	ANSI C63.10:2013
Test Setup:	Cottol Control
Test Deservitions	Remark: Offset=Cable loss+ attenuation factor.
Test Procedure:	 The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. Enable the EUT hopping function. Use the following spectrum analyzer settings: Span = zero span, centered on a hopping channel; RBW shall be ≤ channel spacing and where possible RBW should be set >> 1 / T, where T is the expected dwell time per channel; VBW≥RBW; Sweep = as necessary to capture the entire dwell time per hopping channel; Detector function = peak; Trace = max hold.
	5. Measure and record the results in the test report.
Limit:	The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed.
Test Mode:	Hopping transmitting with all kind of modulation and all kind of data type.
Test Results:	Refer to Appendix BT Classic
G.	

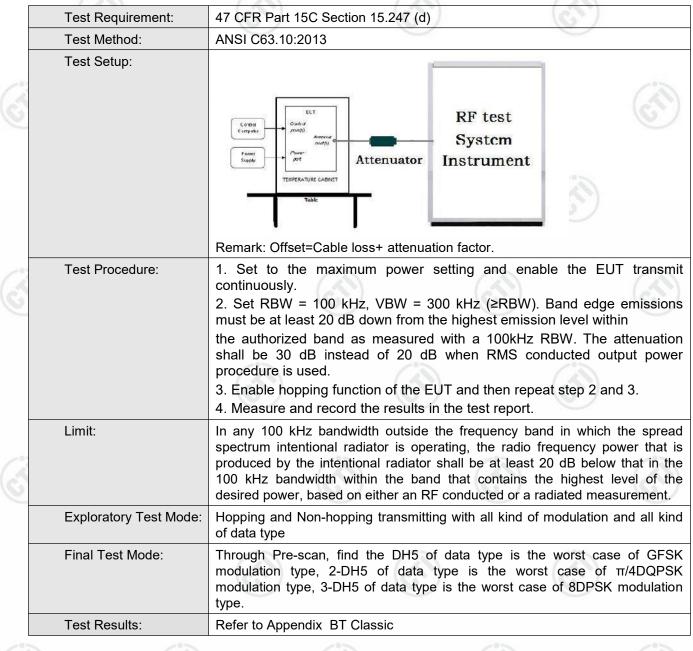








5.7 Band edge Measurements









5.8 Conducted Spurious Emissions

	oonadoted opditet	
	Test Requirement:	47 CFR Part 15C Section 15.247 (d)
	Test Method:	ANSI C63.10:2013
	Test Setup:	RF test Supple Four For For For For For For For For For Fo
		Remark: Offset=Cable loss+ attenuation factor.
<u></u>	Test Procedure:	 The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. Set RBW = 100 kHz, VBW = 300kHz, scan up through 10th harmonic. All harmonics / spurs must be at least 20 dB down from the highest emission level within the authorized band as measured with a 100kHz RBW. Measure and record the results in the test report. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
Ś	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.
	Exploratory Test Mode:	Non-hopping transmitting with all kind of modulation and all kind of data type
	Final Test Mode:	Through Pre-scan, find the DH5 of data type is the worst case of GFSK modulation type, 2-DH5 of data type is the worst case of π /4DQPSK modulation type, 3-DH5 of data type is the worst case of 8DPSK modulation type.
	Test Results:	Refer to Appendix BT Classic
57		







5.9 Pseudorandom Frequency Hopping Sequence

Test Requirement:

47 CFR Part 15C Section 15.247 (a)(1), (h) requirement:

The system shall hop to channel frequencies that are selected at the system hopping rate from a Pseudorandom ordered list of hopping frequencies. Each frequency must be used equally on the average by each transmitter. The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals.

Frequency hopping spread spectrum systems are not required to employ all available hopping channels during each transmission. However, the system, consisting of both the transmitter and the receiver, must be designed to comply with all of the regulations in this section should the transmitter be presented with a continuous data (or information) stream. In addition, a system employing short transmission bursts must comply with the definition of a frequency hopping system and must distribute its transmissions over the minimum number of hopping channels specified in this section.

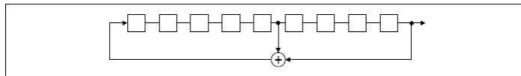
The incorporation of intelligence within a frequency hopping spread spectrum system that permits the system to recognize other users within the spectrum band so that it individually and independently chooses and adapts its hopsets to avoid hopping on occupied channels is permitted. The coordination of frequency hopping systems in any other manner for the express purpose of avoiding the simultaneous occupancy of individual hopping frequencies by multiple transmitters is not permitted.

Compliance for section 15.247(a)(1)

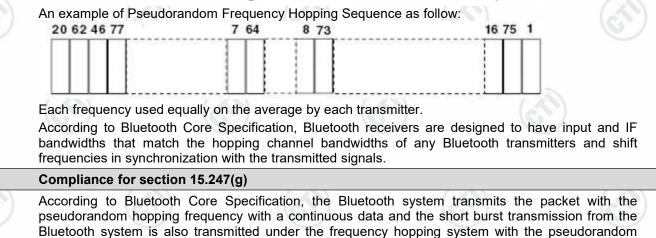
According to Bluetooth Core Specification, the pseudorandom sequence may be generated in a ninestage shift register whose 5th and 9th stage

outputs are added in a modulo-two addition stage. And the result is fed back to the input of the first stage. The sequence begins with the first ONE of 9 consecutive ONEs; i.e. the shift register is initialized with nine ones.

- Number of shift register stages: 9
- Length of pseudo-random sequence: 29 -1 = 511 bits
- Longest sequence of zeros: 8 (non-inverted signal)



Linear Feedback Shift Register for Generation of the PRBS sequence





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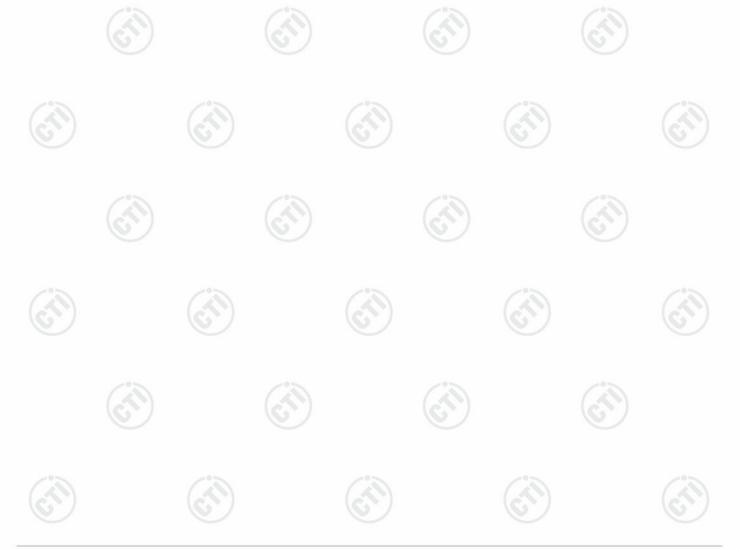


hopping frequency system.

Compliance for section 15.247(h)

According to Bluetooth Core specification, the Bluetooth system incorporates with an adaptive system to detect other user within the spectrum band so that it individually and independently to avoid hopping on the occupied channels.

According to the Bluetooth Core specification, the Bluetooth system is designed not have the ability to coordinated with other FHSS System in an effort to avoid the simultaneous occupancy of individual hopping frequencies by multiple transmitter.









5.10 Radiated Spurious Emission & Restricted bands

	Test Requirement:	47 CFR Part 15C Secti	on 1	5.209 and 15.	.205					
	Test Method:	ANSI C63.10: 2013								
	Test Nite: Test Site: Receiver Setup:	Measurement Distance	e: 3n	n (Semi-Anech	oic Cham	ber)				
2	Receiver Setup:	Frequency		Detector	RBW	VBW	Remark			
		0.009MHz-0.090MH	lz	Peak	10kHz	: 30kHz	Peak			
-		0.009MHz-0.090MH	z	Average	10kHz	30kHz	Average			
		0.090MHz-0.110MH	z	Quasi-peak	10kHz	: 30kHz	Quasi-peak			
		0.110MHz-0.490MH	z	Peak	10kHz	30kHz	Peak			
		0.110MHz-0.490MH	z	Average	10kHz	30kHz	Average			
		0.490MHz -30MHz		Quasi-peak	10kHz	: 30kHz	Quasi-peak			
		30MHz-1GHz		Peak 100 kł		z 300kHz	Peak			
		Above 1GHz		Peak	1MHz	3MHz	Peak			
		Above IGHZ	Peak	1MHz	10kHz	Average				
	Limit:	Frequency		eld strength crovolt/meter)	Limit (dBuV/m)	Remark	Measuremen distance (m)			
		0.009MHz-0.490MHz	2	400/F(kHz)	-	-	300			
		0.490MHz-1.705MHz	MHz-1.705MHz 24000/F(kHz)		-	-73	30			
		1.705MHz-30MHz		30	-	6	30			
		30MHz-88MHz		100	40.0	Quasi-peak	3			
		88MHz-216MHz		150	43.5	Quasi-peak	3			
3		216MHz-960MHz	2	200	46.0	Quasi-peak	3			
8		960MHz-1GHz) 	500	54.0	Quasi-peak	3			
-		Above 1GHz	500	54.0	Average	3				
		Note: 15.35(b), Unless emissions is 20df applicable to the peak emission lev	3 ab equi	ove the maxin pment under t	num permi est. This p	tted average	emission limit			

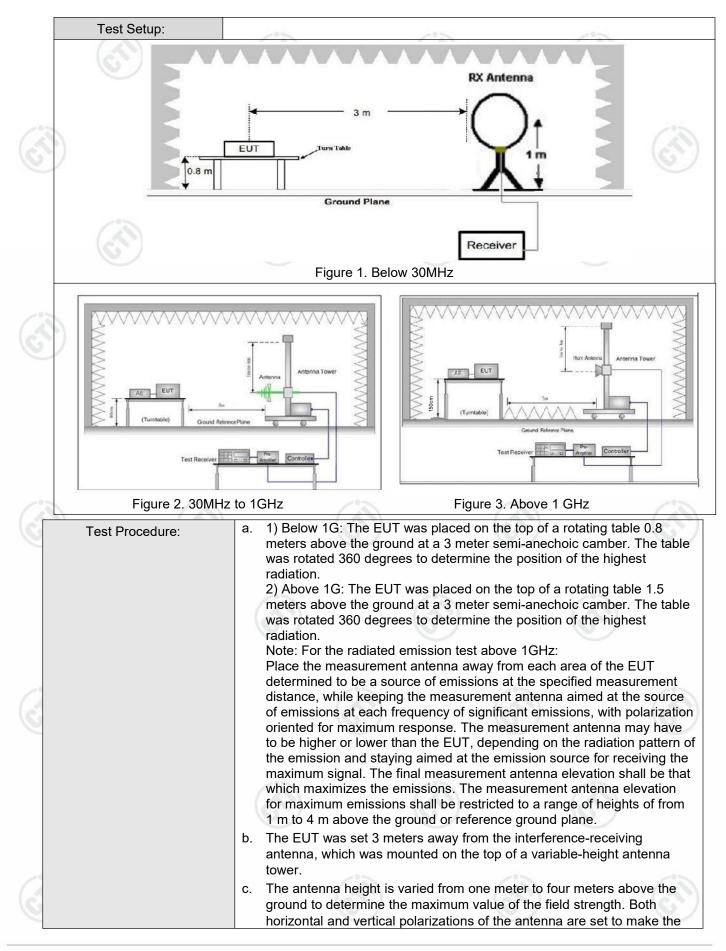








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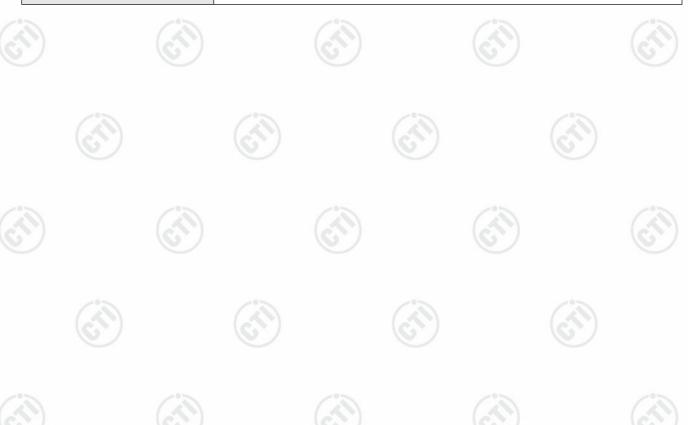




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		measurement.
		d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
C		e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
0		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.
		 g. Test the EUT in the lowest channel (2402MHz),the middle channel (2441MHz),the Highest channel (2480MHz)
		 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.
		i. Repeat above procedures until all frequencies measured was complete.
Q	Exploratory Test Mode:	Non-hopping transmitting mode with all kind of modulation and all kind of data type
	Final Test Mode:	Through Pre-scan, find the DH5 of data type and GFSK modulation is the worst case.
		Pretest the EUT at 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.
	Test Results:	Pass





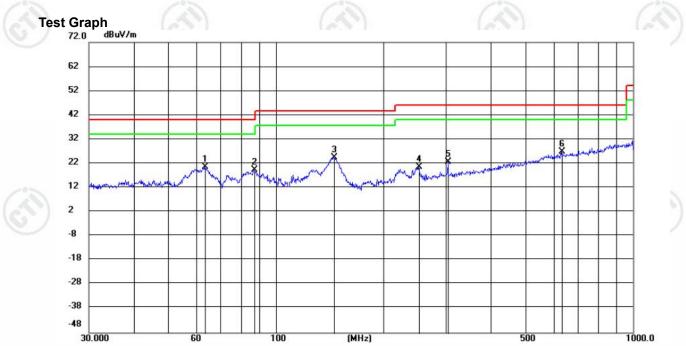




Radiated Spurious Emission below 1GHz:

During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes, only the worst case lowest channel of DH5 for GFSK was recorded in the report.

Horizontal:



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	<mark>Limit</mark>	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		63.3687	8.04	12.39	20.43	40.00	-19.57	QP	100	281	
2		87.0964	7.57	11.84	19.41	40.00	-20.59	QP	199	90	
3	*	145.8355	14.81	9.69	24.50	43.50	-19.00	QP	199	317	
4		251.9301	4.92	15.58	20.50	46.00	-25.50	QP	100	107	
5		304.2363	5.34	17.34	22.68	46.00	-23.32	QP	100	14	
6		633.7960	2.66	24.28	26.94	46.00	-19.06	QP	100	97	

(T)



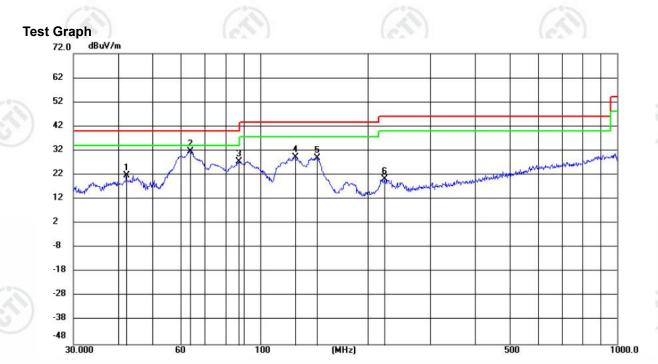




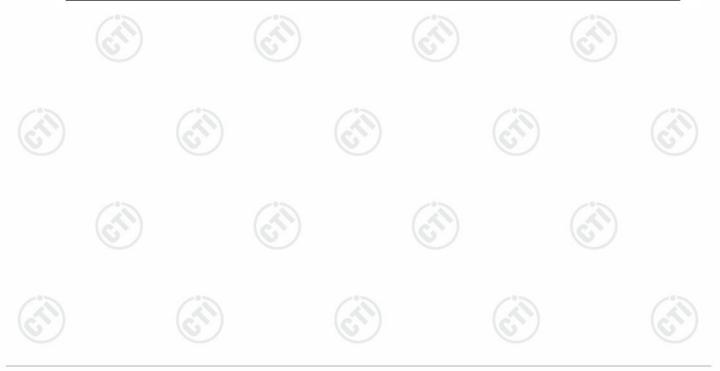




Vertical:



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		42.1985	7.27	14.47	21.74	40.00	-18.26	QP	100	174	
2	*	63.7365	19.50	12.25	31.75	40.00	-8.25	QP	100	330	
3		87.1881	15.63	11.86	27.49	40.00	-12.51	QP	100	7	
4		125.5557	18.91	10.34	29.25	43.50	-14.25	QP	100	111	
5		144.4866	19.34	9.56	28.90	43.50	-14.60	QP	100	59	
6		223.3415	5.76	14.59	20.35	46.00	-25.65	QP	100	70	









Radiated Spurious Emission above 1GHz:

	Mode	:		GFS	K Transmit	ting		Channel:		2402 MHz	<u>.</u>
	NO	Freq. [MHz]	Factor [dB]	r	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
- 10	1	1422.4422	1.41		38.54	39.95	74.00	34.05	Pass	Н	PK
4	2	2033.1033	4.66		37.99	42.65	74.00	31.35	Pass	Н	PK
2	3	4804.1203	-16.23	6	55.67	39.44	74.00	34.56	Pass	Н	PK
	4	6708.2472	-12.48	6	50.50	38.02	74.00	35.98	Pass	Н	PK
	5	9279.4186	-7.94		49.06	41.12	74.00	32.88	Pass	Н	PK
	6	13751.7168	-1.70		47.84	46.14	74.00	27.86	Pass	Н	PK
	7	1269.2269	0.98		38.87	39.85	74.00	34.15	Pass	V	PK
	8	1806.2806	3.33		39.20	42.53	74.00	31.47	Pass	V	PK
Ī	9	4804.1203	-16.23	6	55.73	39.50	74.00	34.50	Pass	V	PK
	10	6910.2607	-11.83	;	49.64	37.81	74.00	36.19	Pass	V	PK
1	11	11239.5493	-6.51		48.47	41.96	74.00	32.04	Pass	V	PK
	12	13746.7164	-1.70		47.80	46.10	74.00	27.90	Pass	V	PK
	1	•		1.							

	Mode	:		GFSK Transm	itting		Channel:		2441 MHz	
	NO	Freq. [MHz]	Factor [dB]	r Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
	1	1229.623	0.88	39.17	40.05	74.00	33.95	Pass	н	PK
	2	1971.6972	4.40	37.54	41.94	74.00	32.06	Pass	н	PK
6	3	4804.1203	-16.23	3 55.35	39.12	74.00	34.88	Pass	Н	PK
K	4	6535.2357	-12.74	1 50.46	37.72	74.00	36.28	Pass	Н	PK
2	5	9200.4134	-7.88	49.06	41.18	74.00	32.82	Pass	Н	PK
	6	13755.717	-1.70	46.88	45.18	74.00	28.82	Pass	Н	PK
	7	1192.6193	0.80	39.55	40.35	74.00	33.65	Pass	V	PK
	8	1810.481	3.36	38.17	41.53	74.00	32.47	Pass	V	PK
	9	4804.1203	-16.23	3 54.35	38.12	74.00	35.88	Pass	V	PK
	10	6417.2278	-12.83	3 57.25	44.42	74.00	29.58	Pass	V	PK
	11	9221.4148	-7.89	48.48	40.59	74.00	33.41	Pass	V	PK
	12	13195.6797	-3.14	46.87	43.73	74.00	30.27	Pass	V	PK
0			100		205		20-		•	20









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	Mode	:	GI	SK Transmit	ting		Channel:		2480 MHz	<u> </u>
	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
	1	1271.6272	0.98	39.31	40.29	74.00	33.71	Pass	Н	PK
19	2	2025.3025	4.64	38.46	43.10	74.00	30.90	Pass	Н	PK
6	3	3829.0553	-19.20	54.90	35.70	74.00	38.30	Pass	Н	PK
V	4	4960.1307	-15.97	53.28	37.31	74.00	36.69	Pass	Н	PK
	5	7082.2722	-11.62	49.59	37.97	74.00	36.03	Pass	Н	PK
	6	11308.5539	-6.58	49.14	42.56	74.00	31.44	Pass	Н	PK
	7	1335.6336	1.18	39.06	40.24	74.00	33.76	Pass	V	PK
	8	2161.1161	4.22	38.17	42.39	74.00	31.61	Pass	V	PK
	9	4960.1307	-15.97	53.85	37.88	74.00	36.12	Pass	V	PK
	10	7602.3068	-11.21	50.17	38.96	74.00	35.04	Pass	V	PK
	11	11886.5924	-5.87	48.78	42.91	74.00	31.09	Pass	V	PK
CA	12	15894.8597	-0.37	46.14	45.77	74.00	28.23	Pass	V	PK
6	7		(C)	· · · · · ·	0)	0)	· · · · ·	67

_	/										
	Mode	:		π/4DQPSK Tra	nsmitting		Channel:		2402 MHz		
	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark	
	1	1268.0268	0.98	39.37	40.35	74.00	33.65	Pass	Н	PK	
	2	1888.2888	3.94	38.01	41.95	74.00	32.05	Pass	Н	PK	
	3	3974.0649	-18.94	61.11	42.17	74.00	31.83	Pass	Н	PK	
-07	4	5892.1928	-13.60	50.78	37.18	74.00	36.82	Pass	Н	PK	
~	5	9310.4207	-7.95	48.68	40.73	74.00	33.27	Pass	Н	PK	
2	6	13712.7142	-1.75	46.96	45.21	74.00	28.79	Pass	Н	PK	
	7	1360.236	1.26	38.71	39.97	74.00	34.03	Pass	V	PK	
	8	1861.6862	3.75	38.24	41.99	74.00	32.01	Pass	V	PK	
	9	4245.083	-17.67	53.02	35.35	74.00	38.65	Pass	V	PK	
	10	5131.1421	-15.31	52.95	37.64	74.00	36.36	Pass	V	PK	
	11	9275.4184	-7.94	48.38	40.44	74.00	33.56	Pass	V	PK	
	12	11962.5975	-5.47	48.97	43.50	74.00	30.50	Pass	V	PK	











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	Mode	:		π/4DQPSK Tra	nsmitting		Channel:		2441 MHz	2
	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
	1	1327.0327	1.15	39.32	40.47	74.00	33.53	Pass	Н	PK
19	2	1995.8996	4.53	38.49	43.02	74.00	30.98	Pass	Н	PK
6	3	3974.0649	-18.94	59.78	40.84	74.00	33.16	Pass	Н	PK
V	4	5873.1915	-13.60	51.37	37.77	74.00	36.23	Pass	Н	PK
	5	9006.4004	-8.48	47.34	38.86	74.00	35.14	Pass	Н	PK
	6	12377.6252	-4.92	47.97	43.05	74.00	30.95	Pass	Н	PK
	7	1355.2355	1.25	39.23	40.48	74.00	33.52	Pass	V	PK
	8	2057.5058	4.74	37.53	42.27	74.00	31.73	Pass	V	PK
	9	3974.0649	-18.94	55.48	36.54	74.00	37.46	Pass	V	PK
	10	5320.1547	-14.76	54.70	39.94	74.00	34.06	Pass	V	PK
	11	9155.4104	-8.24	48.67	40.43	74.00	33.57	Pass	V	PK
CA	12	13674.7116	-1.74	47.12	45.38	74.00	28.62	Pass	V	PK
6	7		G		6)	6)		67

	1										
	Mode	:		π/4DQPSK Tra	nsmitting		Channel:		2480 MHz		
	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark	
Γ	1	1402.4402	1.39	38.83	40.22	74.00	33.78	Pass	Н	PK	
	2	2028.7029	4.64	38.14	42.78	74.00	31.22	Pass	Н	PK	
	3	3538.0359	-20.15	62.05	41.90	74.00	32.10	Pass	Н	PK	
di)	4	5766.1844	-13.68	51.46	37.78	74.00	36.22	Pass	Н	PK	
5	5	9273.4182	-7.93	49.11	41.18	74.00	32.82	Pass	Н	PK	
2	6	13750.7167	-1.70	47.22	45.52	74.00	28.48	Pass	Н	PK	
	7	1310.8311	1.09	38.67	39.76	74.00	34.24	Pass	V	PK	
	8	1901.2901	4.04	39.32	43.36	74.00	30.64	Pass	V	PK	
	9	3974.0649	-18.94	56.43	37.49	74.00	36.51	Pass	V	PK	
	10	5857.1905	-13.59	54.71	41.12	74.00	32.88	Pass	V	PK	
	11	8951.3968	-8.83	48.42	39.59	74.00	34.41	Pass	V	PK	
	12	13100.6734	-3.68	47.62	43.94	74.00	30.06	Pass	V	PK	















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	Mode	:	8	BDPSK Transm	itting		Channel:		2402 MHz	<u>:</u>
	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
	1	1240.424	0.90	39.18	40.08	74.00	33.92	Pass	Н	PK
19	2	1890.6891	3.96	37.48	41.44	74.00	32.56	Pass	Н	PK
6	3	3548.0365	-20.19	57.82	37.63	74.00	36.37	Pass	Н	PK
(V)	4	4837.1225	-16.22	51.63	35.41	74.00	38.59	Pass	Н	PK
	5	7734.3156	-11.15	49.80	38.65	74.00	35.35	Pass	Н	PK
	6	11194.5463	-6.41	48.40	41.99	74.00	32.01	Pass	Н	PK
	7	1259.4259	0.96	39.44	40.40	74.00	33.60	Pass	V	PK
	8	1820.482	3.44	37.83	41.27	74.00	32.73	Pass	V	PK
	9	5070.138	-15.72	55.45	39.73	74.00	34.27	Pass	V	PK
	10	7060.2707	-11.68	49.21	37.53	74.00	36.47	Pass	V	PK
	11	9304.4203	-7.95	48.91	40.96	74.00	33.04	Pass	V	PK
CA	12	13192.6795	-3.15	46.96	43.81	74.00	30.19	Pass	V	PK
G	7		(C)		6)	6.)		67

	Mode	:		8DPSK Transm	nitting		Channel:		2441 MHz	
	NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
	1	1307.6308	1.09	38.85	39.94	74.00	34.06	Pass	Н	PK
	2	1914.4914	4.11	37.87	41.98	74.00	32.02	Pass	Н	PK
	3	3975.065	-18.94	56.93	37.99	74.00	36.01	Pass	Н	PK
i.	4	5841.1894	-13.58	52.44	38.86	74.00	35.14	Pass	Н	PK
4	5	9219.4146	-7.89	50.03	42.14	74.00	31.86	Pass	Н	PK
2	6	13774.7183	-1.67	46.86	45.19	74.00	28.81	Pass	Н	PK
	7	1270.6271	0.98	39.25	40.23	74.00	33.77	Pass	V	PK
	8	1850.8851	3.67	38.00	41.67	74.00	32.33	Pass	V	PK
	9	3974.0649	-18.94	55.59	36.65	74.00	37.35	Pass	V	PK
	10	5899.1933	-13.61	53.65	40.04	74.00	33.96	Pass	V	PK
	11	9278.4186	-7.94	48.74	40.80	74.00	33.20	Pass	V	PK
	12	13739.716	-1.72	47.33	45.61	74.00	28.39	Pass	V	PK













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Mode	:		8DPSK Transm	itting		Channel:		2480 MHz	
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	1292.0292	1.04	39.34	40.38	74.00	33.62	Pass	Н	PK
2	2042.1042	4.69	38.01	42.70	74.00	31.30	Pass	Н	PK
3	3974.0649	-18.94	58.34	39.40	74.00	34.60	Pass	Н	PK
4	5972.1981	-13.14	50.89	37.75	74.00	36.25	Pass	Н	PK
5	9100.4067	-8.69	49.43	40.74	74.00	33.26	Pass	Н	PK
6	13045.6697	-3.81	47.18	43.37	74.00	30.63	Pass	Н	PK
7	1323.0323	1.13	38.77	39.90	74.00	34.10	Pass	V	PK
8	1925.4925	4.16	37.73	41.89	74.00	32.11	Pass	V	PK
9	3848.0565	-19.17	54.22	35.05	74.00	38.95	Pass	V	PK
10	5883.1922	-13.61	53.23	39.62	74.00	34.38	Pass	V	PK
11	9693.4462	-7.68	47.61	39.93	74.00	34.07	Pass	V	PK
12	13732.7155	-1.72	46.76	45.04	74.00	28.96	Pass	V	PK
· /		10.7	1	10.7		10.2			10.21

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.







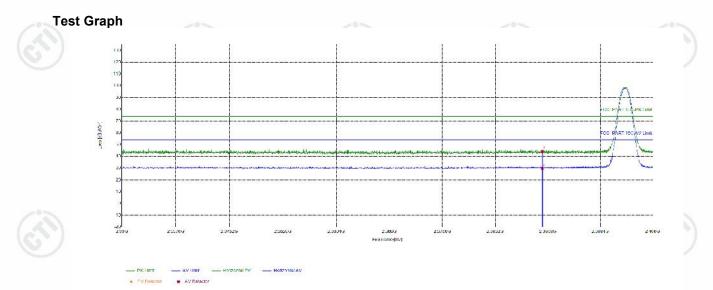
Restricted bands:



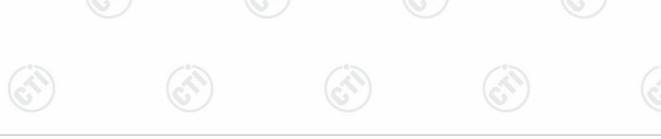


Test plot as follows:

EUT_Name		Test_Model	
Test_Mode	GFSK Transmitting	Test_Frequency	2402MHz
Tset_Engineer	yusongwei	Test_Date	2023/05/11
Remark	<u> </u>	(C)	6



Suspect	ed List								
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
1	2390	5.77	38.60	44.37	74.00	29.63	PASS	Horizontal	PK
2	2390	5.77	23.95	29.72	54.00	24.28	PASS	Horizontal	AV
		67)		6)	6	5)		(5)



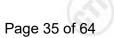




					(3	S		(2)	
	EUT_Na	me			Test_Mo	del			
	Test_Mo	de G	GFSK Transm	nitting	Test_Frequ	ency	2402MHz	2	
	Tset_Engi	neer y	usongwei	E.	Test_Da	te	2023/05/	11	
	Remar	k				I			
Test	Graph	l	(1)		64)		(~)	
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	113 103 11								
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	- PK limit		Verice PK VariceLAV						
	PK limit • FS Psiazzar	- AV Imit - v te AV Balazor	Verice 7K — Varicel AV	(6))	(6	57. 1		(G-)
	ected List	* AV Detector			Limit				
NC	Dected List Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
	Dected List Freq. [MHz] 2390	Factor [dB]	Reading	Level [dBµV/m] 43.56		Margin		Polarity Vertical Vertical	
NC	Dected List Freq. [MHz] 2390	Factor [dB]	Reading [dBµV] 37.79	Level [dBµV/m]	[dBµV/m] 74.00	Margin [dB] 30.44	Result	Vertical	Remark
NC	Dected List Freq. [MHz] 2390	Factor [dB]	Reading [dBµV] 37.79	Level [dBµV/m] 43.56	[dBµV/m] 74.00	Margin [dB] 30.44	Result	Vertical	Remark
NC	Dected List Freq. [MHz] 2390	Factor [dB]	Reading [dBµV] 37.79	Level [dBµV/m] 43.56	[dBµV/m] 74.00	Margin [dB] 30.44	Result	Vertical	Remark
NC	Dected List Freq. [MHz] 2390	Factor [dB]	Reading [dBµV] 37.79	Level [dBµV/m] 43.56	[dBµV/m] 74.00	Margin [dB] 30.44	Result	Vertical	Remark
NC	Dected List Freq. [MHz] 2390	Factor [dB]	Reading [dBµV] 37.79	Level [dBµV/m] 43.56	[dBµV/m] 74.00	Margin [dB] 30.44	Result	Vertical	Remark
NC	Dected List Freq. [MHz] 2390	Factor [dB]	Reading [dBµV] 37.79	Level [dBµV/m] 43.56	[dBµV/m] 74.00	Margin [dB] 30.44	Result	Vertical	Remark
NC	Dected List Freq. [MHz] 2390	Factor [dB]	Reading [dBµV] 37.79	Level [dBµV/m] 43.56	[dBµV/m] 74.00	Margin [dB] 30.44	Result	Vertical	Remark
NC	Dected List Freq. [MHz] 2390	Factor [dB]	Reading [dBµV] 37.79	Level [dBµV/m] 43.56	[dBµV/m] 74.00	Margin [dB] 30.44	Result	Vertical	Remark







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	Test_Mod	le GI	FSK Transm	nitting	Test_Frequ	ency	2480MH	z	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
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	- PK limit -		DG ZAUSZE	Land State 17		2.4000ta	221224	2.5084Le	2.519
	← PK Inni ←			Land State 17			25.10	2 59996	2319
Suspe NO	ected List	— AV limt —— Hat		v				Polarity	(6-)
NO 1	ected List Freq. [MHz] 2483.5	Factor [dB] 6.57	Reading [dBµV] 37.50	Level [dBµV/m] 44.07	Limit [dBµV/m] 74.00	Margin [dB] 29.93	Result	Polarity Horizontal	Remark
NO	ected List Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
NO 1	ected List Freq. [MHz] 2483.5	Factor [dB] 6.57	Reading [dBµV] 37.50	Level [dBµV/m] 44.07	Limit [dBµV/m] 74.00	Margin [dB] 29.93	Result	Polarity Horizontal	Remark
NO 1	ected List Freq. [MHz] 2483.5	Factor [dB] 6.57	Reading [dBµV] 37.50	Level [dBµV/m] 44.07	Limit [dBµV/m] 74.00	Margin [dB] 29.93	Result	Polarity Horizontal	Remark
NO 1	ected List Freq. [MHz] 2483.5	Factor [dB] 6.57	Reading [dBµV] 37.50	Level [dBµV/m] 44.07	Limit [dBµV/m] 74.00	Margin [dB] 29.93	Result	Polarity Horizontal	Remark
NO 1	ected List Freq. [MHz] 2483.5	Factor [dB] 6.57	Reading [dBµV] 37.50	Level [dBµV/m] 44.07	Limit [dBµV/m] 74.00	Margin [dB] 29.93	Result	Polarity Horizontal	Remark
NO 1	ected List Freq. [MHz] 2483.5	Factor [dB] 6.57	Reading [dBµV] 37.50	Level [dBµV/m] 44.07	Limit [dBµV/m] 74.00	Margin [dB] 29.93	Result	Polarity Horizontal	Remark
NO 1	ected List Freq. [MHz] 2483.5	Factor [dB] 6.57	Reading [dBµV] 37.50	Level [dBµV/m] 44.07	Limit [dBµV/m] 74.00	Margin [dB] 29.93	Result	Polarity Horizontal	Remark







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	EUT_Nan	ne	(e)		Test_Mod	lel		C	
	Test_Mod	de G	FSK Transm	nitting	Test_Frequ	ency	2480MHz	<u>7</u>	
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	🖝 AV Delactor								
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NO	Freq. [MHz]	[dB]	Reading [dBµV]	Level [dBµV/m]	Limit	Margin	Result		
	[]		[[[dBµV/m]	[dB]		Polarity	Remar
1	2483.5	6.57	37.56	44.13	74.00	29.87	PASS	Vertical	Remar PK
1 2		6.57 6.57							
	2483.5		37.56	44.13	74.00	29.87	PASS	Vertical	PK
	2483.5		37.56	44.13	74.00	29.87	PASS	Vertical	PK
	2483.5		37.56	44.13	74.00	29.87	PASS	Vertical	PK
	2483.5		37.56	44.13	74.00	29.87	PASS	Vertical	PK
	2483.5		37.56	44.13	74.00	29.87	PASS	Vertical	PK
	2483.5		37.56	44.13	74.00	29.87	PASS	Vertical	PK
	2483.5		37.56	44.13	74.00	29.87	PASS	Vertical	PK











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	Tset_Engin	neer yu	isongwei	(S)	Test_Dat	te	2023/05/	11	S
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NO	ected List Freq. [MHz] 2390	AV THATVA * AV TRACEY Factor [dB] 5.77	Reading [dBµV] 37.32	Level [dBµV/m] 43.09	Limit [dBµV/m] 74.00	Margin [dB] 30.91	Result	Polarity Vertical	Remark
NO	Cted List Freq. [MHz]	AV Int	Reading	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
NO	ected List Freq. [MHz] 2390	AV THATVA * AV TRACEY Factor [dB] 5.77	Reading [dBµV] 37.32	Level [dBµV/m] 43.09	Limit [dBµV/m] 74.00	Margin [dB] 30.91	Result	Polarity Vertical	Remark
NO	ected List Freq. [MHz] 2390	AV THATVA * AV TRACEY Factor [dB] 5.77	Reading [dBµV] 37.32	Level [dBµV/m] 43.09	Limit [dBµV/m] 74.00	Margin [dB] 30.91	Result	Polarity Vertical	Remark
NO	ected List Freq. [MHz] 2390	AV TRACEY Factor [dB] 5.77	Reading [dBµV] 37.32	Level [dBµV/m] 43.09	Limit [dBµV/m] 74.00	Margin [dB] 30.91	Result	Polarity Vertical	Remark
NO	ected List Freq. [MHz] 2390	AV TRACEY Factor [dB] 5.77	Reading [dBµV] 37.32	Level [dBµV/m] 43.09	Limit [dBµV/m] 74.00	Margin [dB] 30.91	Result	Polarity Vertical	Remark
NO	ected List Freq. [MHz] 2390	AV TRACEY Factor [dB] 5.77	Reading [dBµV] 37.32	Level [dBµV/m] 43.09	Limit [dBµV/m] 74.00	Margin [dB] 30.91	Result	Polarity Vertical	Remark
NO	ected List Freq. [MHz] 2390	AV TRACEY Factor [dB] 5.77	Reading [dBµV] 37.32	Level [dBµV/m] 43.09	Limit [dBµV/m] 74.00	Margin [dB] 30.91	Result	Polarity Vertical	Remark







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NO 1	ected List	Factor	Reading	Level	Limit	Margin	Result		G
NO	ected List Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remar
NO 1	ected List Freq. [MHz] 2483.5	Factor [dB] 6.57	Reading [dBµV] 38.10	Level [dBµV/m] 44.67	Limit [dBµV/m] 74.00	Margin [dB] 29.33	Result	Polarity Horizontal	Remar
NO 1	ected List Freq. [MHz] 2483.5	Factor [dB] 6.57	Reading [dBµV] 38.10	Level [dBµV/m] 44.67	Limit [dBµV/m] 74.00	Margin [dB] 29.33	Result	Polarity Horizontal	Remar
NO 1	ected List Freq. [MHz] 2483.5	Factor [dB] 6.57	Reading [dBµV] 38.10	Level [dBµV/m] 44.67	Limit [dBµV/m] 74.00	Margin [dB] 29.33	Result	Polarity Horizontal	Remar
NO 1	ected List Freq. [MHz] 2483.5	Factor [dB] 6.57	Reading [dBµV] 38.10	Level [dBµV/m] 44.67	Limit [dBµV/m] 74.00	Margin [dB] 29.33	Result	Polarity Horizontal	Remar
NO 1	ected List Freq. [MHz] 2483.5	Factor [dB] 6.57	Reading [dBµV] 38.10	Level [dBµV/m] 44.67	Limit [dBµV/m] 74.00	Margin [dB] 29.33	Result	Polarity Horizontal	Remar
NO 1	ected List Freq. [MHz] 2483.5	Factor [dB] 6.57	Reading [dBµV] 38.10	Level [dBµV/m] 44.67	Limit [dBµV/m] 74.00	Margin [dB] 29.33	Result	Polarity Horizontal	Remar
NO 1	ected List Freq. [MHz] 2483.5	Factor [dB] 6.57	Reading [dBµV] 38.10	Level [dBµV/m] 44.67	Limit [dBµV/m] 74.00	Margin [dB] 29.33	Result	Polarity Horizontal	Remar







	EUT_Nar	me	(F)		Test_Mod	del		Ì	
	Test_Mod	do T	τ/4DQPSK Fransmitting		Test_Freque		2480MH	2	
	Tset_Engir	neer y	/usongwei	E.	Test_Dat	te	2023/05/	11	(S)
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Test G	Graph		(31)	(64			(A)	
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NO	Freq.	Factor [dB]	r Reading	Level	Lingit	Margin			
	[MHz]	[[[]]]	[dBµV]	[dBµV/m]	Limit [dBµV/m]	[dB]	Result	Polarity	Remar
1	2483.5	6.57	[dBµV] 36.26	[dBµV/m] 42.83	[dBµV/m] 74.00	[dB] 31.17	PASS	Vertical	Remark PK
1 2			[dBµV]	[dBµV/m]	[dBµV/m]	[dB]			
	2483.5	6.57	[dBµV] 36.26	[dBµV/m] 42.83	[dBµV/m] 74.00	[dB] 31.17	PASS	Vertical	PK
	2483.5	6.57	[dBµV] 36.26	[dBµV/m] 42.83	[dBµV/m] 74.00	[dB] 31.17	PASS	Vertical	PK
	2483.5	6.57	[dBµV] 36.26	[dBµV/m] 42.83	[dBµV/m] 74.00	[dB] 31.17	PASS	Vertical	PK





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	EUT_Nar	ne			Test_Mod	del			
	Test_Mod	de 8[OPSK Trans	mitting	Test_Frequ	ency	2402MH	Z	
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	ก 							FICE PART 120 A	Climt / Limt
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Suspe	cted List	* AV Delector		167			s)		(6-)
Suspe NO		* AV Delector	Reading [dBµV]		Limit [dBµV/m]	Margin [dB]	Result	Polarity	Remark
NO 1	Freq. [MHz] 2390	Factor [dB]	Reading [dBµV] 37.49	Level [dBµV/m] 43.26	[dBµV/m] 74.00	Margin [dB] 30.74	Result	Horizontal	Remark PK
NO	Freq. [MHz]	Factor [dB]	Reading [dBµV]	Level [dBµV/m]	[dBµV/m]	Margin [dB]	Result		Remark
NO 1	Freq. [MHz] 2390	Factor [dB]	Reading [dBµV] 37.49	Level [dBµV/m] 43.26	[dBµV/m] 74.00	Margin [dB] 30.74	Result	Horizontal	Remark PK
NO 1	Freq. [MHz] 2390	Factor [dB]	Reading [dBµV] 37.49	Level [dBµV/m] 43.26	[dBµV/m] 74.00	Margin [dB] 30.74	Result	Horizontal	Remark PK
NO 1	Freq. [MHz] 2390	Factor [dB]	Reading [dBµV] 37.49	Level [dBµV/m] 43.26	[dBµV/m] 74.00	Margin [dB] 30.74	Result	Horizontal	Remark PK
NO 1	Freq. [MHz] 2390	Factor [dB]	Reading [dBµV] 37.49	Level [dBµV/m] 43.26	[dBµV/m] 74.00	Margin [dB] 30.74	Result	Horizontal	Remark PK
NO 1	Freq. [MHz] 2390	Factor [dB]	Reading [dBµV] 37.49	Level [dBµV/m] 43.26	[dBµV/m] 74.00	Margin [dB] 30.74	Result	Horizontal	Remark PK
NO 1	Freq. [MHz] 2390	Factor [dB]	Reading [dBµV] 37.49	Level [dBµV/m] 43.26	[dBµV/m] 74.00	Margin [dB] 30.74	Result	Horizontal	Remark PK
NO 1	Freq. [MHz] 2390	Factor [dB]	Reading [dBµV] 37.49	Level [dBµV/m] 43.26	[dBµV/m] 74.00	Margin [dB] 30.74	Result	Horizontal	Remark PK





EUT_Name Test_Model Test_Model Test_Mode 8DPSK Transmitting Test_Prequency 2402MHz Test_Bapic Name Test_Date 20305/11 Arran Test_Date 20305/11 Test Graph Image: Comparison of the state of the s						(3				
Tset_Engineer yusongwei Test_Date 2023/05/11 Remark Test Graph Image: Comparison of the second of the		EUT_Nar	ne	S		Test_Mod	del		\odot	
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$\frac{1}{1} \underbrace{\int_{1}^{0} \frac{1}{2390} + \int_{1}^{0} \frac{1}{2377} + \int_{1}^{0} \frac{1}{2375} + \int_{1}^{0} $		Remark	(-				
$\frac{1}{1} \frac{1}{2390} \frac{1}{5.77} \frac{1}{37.75} \frac{1}{43.52} \frac{1}{74.00} \frac{1}{30.48} \frac{1}{20.48} \frac{1}{20.48$	Test (Graph		(31)		64)		(c4)	
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$\frac{1}{2390} + \frac{1}{2390} + \frac{1}{2375} + \frac{1}{2375} + \frac{1}{2375} + \frac{1}{2375} + \frac{1}{2352} + 1$									na evenar	Klimt
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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







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6 Appendix BT Classic

Refer to Appendix: Bluetooth Classic of EED32P80617301

