TEST REPORT

Product	:	Wireless Digital Video Monitoring System
Trade mark	:	Infant Optics
Model/Type reference	:	DXR-8
Serial Number	:	N/A
Report Number	:	EED32K00204101
FCC ID	:	2AAAM-DXR-8BU-2
Date of Issue	:	Aug. 29, 2018
Test Standards	:	47 CFR Part 15 Subpart C
Test result	:	PASS

Prepared for:

STANDARD MERIT INDUSTRIAL LIMITED
2/A Harrison Court Stage 6, 10 Man Wan Road, Kowloon, Hong Kong

Prepared by:

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Report Seal

Date: Aug. 29, 2018

Check No.: 3336814271

2 Version

Version No.	Date	Description
00	Aug. 29, 2018	Original

3 Test Summary

Test Item	Test Requirement	Test method	Result
Antenna Requirement	47 CFR Part 15 Subpart C Section 15.203/15.247 (c)	ANSI C63.10-2013	PASS
AC Power Line Conducted Emission	47 CFR Part 15 Subpart C Section 15.207	ANSI C63.10-2013	PASS
Conducted Peak Output Power	47 CFR Part 15 Subpart C Section 15.247 (b)(1)	ANSI C63.10-2013	PASS
20dB Occupied Bandwidth	47 CFR Part 15 Subpart C Section 15.247 (a)(1)	ANSI C63.10-2013	PASS
Carrier Frequencies Separation	47 CFR Part 15 Subpart C Section 15.247 (a)(1)	ANSI C63.10-2013	PASS
Hopping Channel Number	47 CFR Part 15 Subpart C Section 15.247 (b)	ANSI C63.10-2013	PASS
Dwell Time	47 CFR Part 15 Subpart C Section 15.247 (a)(1)	ANSI C63.10-2013	PASS
Pseudorandom Frequency Hopping Sequence	47 CFR Part 15 Subpart C Section 15.247(b)(4)&TCB Exclusion List (7 July 2002)	ANSI C63.10-2013	PASS
RF Conducted Spurious Emissions	47 CFR Part 15 Subpart C Section 15.247(d)	ANSI C63.10-2013	PASS
Radiated Spurious emissions	47 CFR Part 15 Subpart C Section 15.205/15.209	ANSI C63.10-2013	PASS

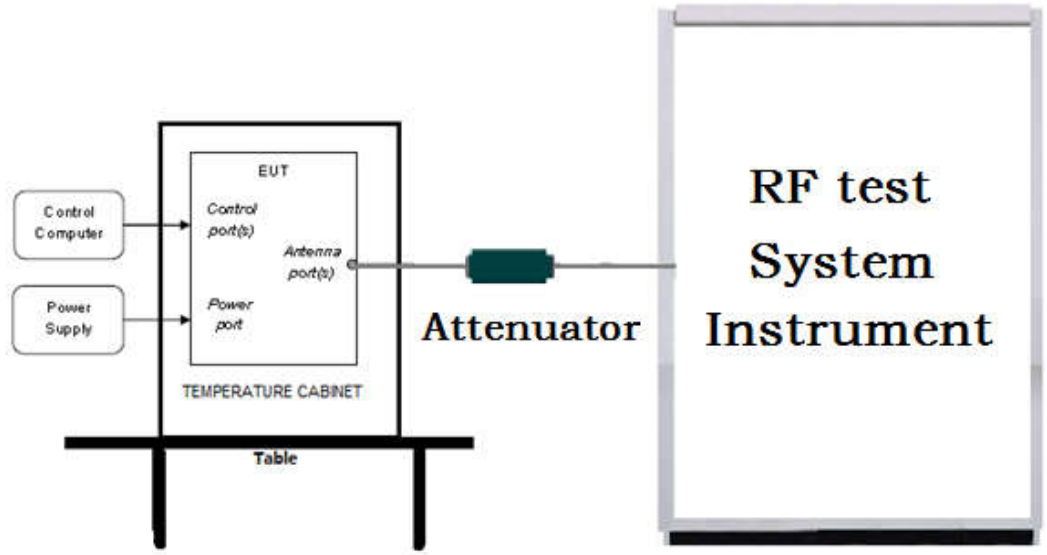
Remark:
Test according to ANSI C63.4-2014 & ANSI C63.10-2013.
The tested samples and the sample information are provided by the client.

4 Content

5 Test Requirement

5.1 Test setup

5.1.1 For Conducted test setup



5.1.2 For Radiated Emissions test setup

Radiated Emissions setup:

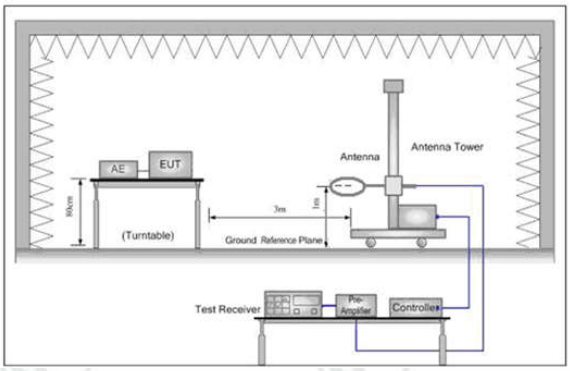


Figure 1. Below 30MHz

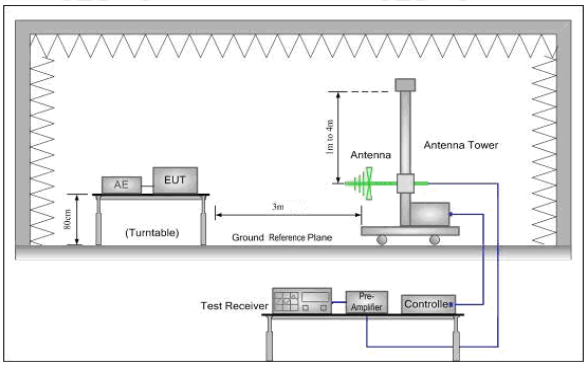


Figure 2. 30MHz to 1GHz

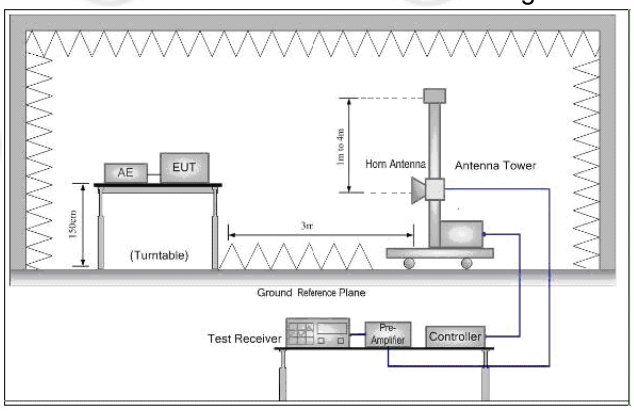
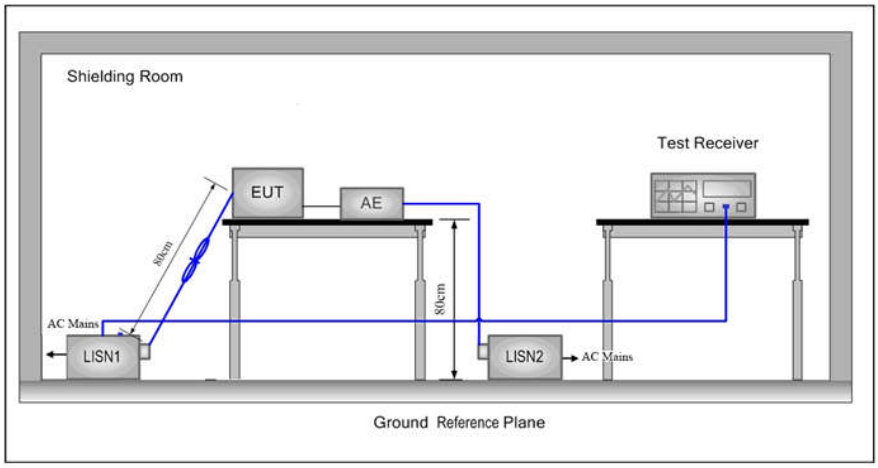


Figure 3. Above 1GHz

5.1.3 For Conducted Emissions test setup

Conducted Emissions setup



5.2 Test Environment

Operating Environment:	
Temperature:	24°C
Humidity:	56 % RH
Atmospheric Pressure:	1010mbar

5.3 Test Condition

Test Mode	Tx	RF Channel		
		Low(L)	Middle(M)	High(H)
GFSK	2410.875MHz ~2471.625MHz	Channel 1	Channel 10	Channel19
		2410.875MHz	2441.250MHz	2471.625MHz
Transmitter mode:	The EUT transmitted the continuous modulation test signal at the specific channel(s).			

6 General Information

6.1 Client Information

Applicant:	STANDARD MERIT INDUSTRIAL LIMITED
Address of Applicant:	2/A Harrison Court Stage 6, 10 Man Wan Road, Kowloon, Hong Kong
Manufacturer:	Foshan Shunde Alford Electronics Co., Ltd
Address of Manufacturer:	Xinjian Industrial Park, Daliang, Shunde, Foshan City, Guangdong Province, China
Factory:	Foshan Shunde Alford Electronics Co., Ltd
Address of Factory:	Xinjian Industrial Park, Daliang, Shunde, Foshan City, Guangdong Province, China

6.2 General Description of EUT

Product Name:	Wireless Digital Video Monitoring System	
Model No.(EUT):	DXR-8	
Trade mark:	Infant Optics	
EUT Supports Radios application:	2410.875MHz ~2471.625MHz	
Power Supply:	AC Adapter 1	Model:BLJ06W059100P1-U Input:100-240V~50/60Hz,0.2A Output:5.9V⎓1A
	AC Adapter 2	Model:CS6D059100FU Input:100-240V~50/60Hz,0.2A Output:5.9V⎓1A
Sample Received Date:	Aug. 01, 2018	
Sample tested Date:	Aug. 01, 2018 to Aug. 28, 2018	

6.3 Product Specification subjective to this standard

Operation Frequency:	2410.875MHz ~2471.625MHz
Modulation Technique:	Frequency Hopping Spread Spectrum(FHSS)
Modulation Type:	GFSK
Number of Channel:	19
Hopping Channel Type:	Adaptive Frequency Hopping systems
Hardware Version:	3V9(manufacturer declare)
Software Version:	V41 (manufacturer declare)
Antenna Type:	Permanent external connecter antenna
Antenna Gain:	0dBi
Test Voltage:	AC 120V, 60Hz

Operation Frequency each of channel

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2410.875	6	2427.750	11	2444.625	16	2461.500
2	2414.250	7	2431.125	12	2448.00	17	2464.875
3	2417.625	8	2434.500	13	2451.375	18	2468.2500
4	2421.000	9	2437.875	14	2454.750	19	2471.625
5	2424.375	10	2441.250	15	2458.125	---	---

6.4 Description of Support Units

The EUT has been tested independently.

6.5 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

6.6 Deviation from Standards

None.

6.7 Abnormalities from Standard Conditions

None.

6.8 Other Information Requested by the Customer

None.

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

No.	Item	Measurement Uncertainty
1	Radio Frequency	7.9×10^{-8}
2	RF power, conducted	0.31dB (30MHz-1GHz)
		0.57dB (1GHz-18GHz)
3	Radiated Spurious emission test	4.5dB (30MHz-1GHz)
		4.8dB (1GHz-12.75GHz)
4	Conduction emission	3.6dB (9kHz to 150kHz)
		3.2dB (150kHz to 30MHz)
5	Temperature test	0.64°C
6	Humidity test	2.8%
7	DC power voltages	0.025%

7 Equipment List

RF test system					
Equipment	**Manufacturer**	**Model No.**	**Serial Number**	**Cal. Date (mm-dd-yyyy)**	**Cal. Due date (mm-dd-yyyy)**
Signal Generator	Keysight	E8257D	MY53401106	03-13-2018	03-12-2019
Spectrum Analyzer	Keysight	N9010A	MY54510339	03-13-2018	03-12-2019
Signal Generator	Keysight	N5182B	MY53051549	03-13-2018	03-12-2019
High-pass filter	Sinoscite	FL3CX03WG18 NM12-0398-002	---	01-10-2018	01-09-2019
power meter & power sensor	R&S	OSP120	101374	04-11-2018	04-10-2019
RF control unit	JS Tonscend	JS0806-2	2015860006	03-13-2018	03-12-2019

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	05-25-2018	05-24-2019
Temperature/ Humidity Indicator	Belida	TT-512	A19	01-24-2018	01-23-2019
LISN	R&S	ENV216	100098	05-11-2018	05-10-2019

3M Semi/full-anechoic Chamber					
Equipment	**Manufacturer**	**Model No.**	**Serial Number**	**Cal. date (mm-dd-yyyy)**	**Cal. Due date (mm-dd-yyyy)**
3M Chamber & Accessory Equipment	TDK	SAC-3	---	06-04-2016	06-03-2019
TRILOG Broadband Antenna	SCHWARZBECK	VULB9163	9163-617	03-29-2018	03-28-2019
Microwave Preamplifier	Tonscend	EMC051845 SE	980380	01-19-2018	01-18-2019
Microwave Preamplifier	EMCI	EMC001330	980563	06-20-2018	06-19-2019
Horn Antenna	Schwarzbeck	3117	00057407	04-25-2018	04-23-2021
Loop Antenna	ETS	6502	00071730	06-22-2017	06-21-2019
Microwave Preamplifier	A.H.SYSTEMS	PAP-1840-60	6041.6042	06-05-2018	06-03-2021
Double Ridge Guide Horn Antenna	A.H.SYSTEMS	SAS-574	374	06-05-2018	06-03-2021
Spectrum Analyzer	R&S	FSP40	100416	05-11-2018	05-10-2019
Receiver	R&S	ESCI	100435	05-25-2018	05-24-2019
LISN	schwarzbeck	NNBM8125	81251547	05-11-2018	05-10-2019
LISN	schwarzbeck	NNBM8125	81251548	05-11-2018	05-10-2019
Signal Generator	Agilent	E4438C	MY45095744	03-13-2018	03-12-2019
Signal Generator	Keysight	E8257D	MY53401106	03-13-2018	03-12-2019
Temperature/ Humidity Indicator	TAYLOR	1451	1905	05-02-2018	05-01-2019
Communication test set	Agilent	E5515C	GB47050534	03-16-2018	03-15-2019
Cable line	Fulai(7M)	SF106	5219/6A	01-10-2018	01-09-2019
Cable line	Fulai(6M)	SF106	5220/6A	01-10-2018	01-09-2019
Cable line	Fulai(3M)	SF106	5216/6A	01-10-2018	01-09-2019
Cable line	Fulai(3M)	SF106	5217/6A	01-10-2018	01-09-2019
Communication test set	R&S	CMW500	152394	03-16-2018	03-15-2019
High-pass filter	Sinoscite	FL3CX03WG 18NM12-0398-002	---	01-10-2018	01-09-2019
band rejection filter	Sinoscite	FL5CX01CA 09CL12-0395-001	---	01-10-2018	01-09-2019
band rejection filter	Sinoscite	FL5CX01CA 08CL12-0393-001	---	01-10-2018	01-09-2019
band rejection filter	Sinoscite	FL5CX02CA 04CL12-0396-002	---	01-10-2018	01-09-2019
band rejection filter	Sinoscite	FL5CX02CA 03CL12-0394-001	---	01-10-2018	01-09-2019

8 Radio Technical Requirements Specification

Reference documents for testing:

No.	Identity	Document Title
1	FCC Part15C	Subpart C-Intentional Radiators
2	ANSI C63.10-2013	American National Standard for Testing Unlicesed Wireless Devices

Test Results List:

Test requirement	Test method	Test item	Verdict	Note
Part15C Section 15.247 (a)(1)	ANSI 63.10	20dB Occupied Bandwidth	PASS	Appendix A)
Part15C Section 15.247 (a)(1)	ANSI 63.10	Carrier Frequencies Separation	PASS	Appendix B)
Part15C Section 15.247 (a)(1)	ANSI 63.10	Dwell Time	PASS	Appendix C)
Part15C Section 15.247 (b)	ANSI 63.10	Hopping Channel Number	PASS	Appendix D)
Part15C Section 15.247 (b)(1)	ANSI 63.10	Conducted Peak Output Power	PASS	Appendix E)
Part15C Section 15.247(d)	ANSI 63.10	Band-edge for RF Conducted Emissions	PASS	Appendix F)
Part15C Section 15.247(d)	ANSI 63.10	RF Conducted Spurious Emissions	PASS	Appendix G)
Part15C Section 15.247 (a)(1)	ANSI 63.10	Pseudorandom Frequency Hopping Sequence	PASS	Appendix H)
Part15C Section 15.203/15.247 (c)	ANSI 63.10	Antenna Requirement	PASS	Appendix I)
Part15C Section 15.207	ANSI 63.10	AC Power Line Conducted Emission	PASS	Appendix J)
Part15C Section 15.205/15.209	ANSI 63.10	Restricted bands around fundamental frequency (Radiated) Emission)	PASS	Appendix K)
Part15C Section 15.205/15.209	ANSI 63.10	Radiated Spurious Emissions	PASS	Appendix L)

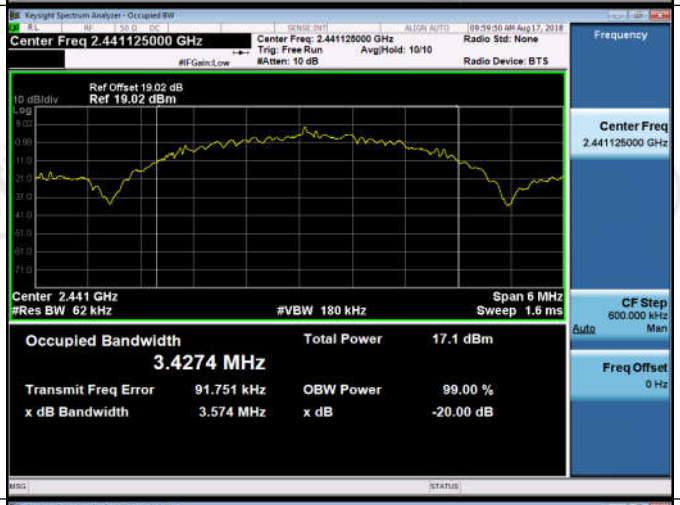
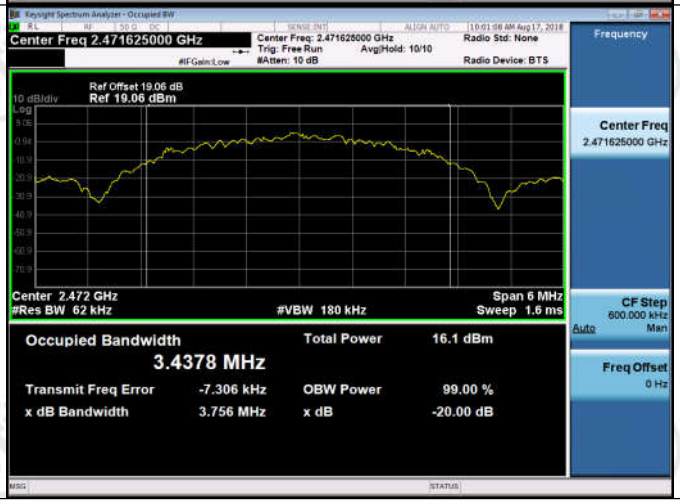
Appendix A): 20dB Occupied Bandwidth

Test Result

Mode	Channel.	20dB Bandwidth [MHz]	99% OBW [MHz]	Verdict
GFSK	LCH	3.744	3.4380	PASS
GFSK	MCH	3.574	3.4274	PASS
GFSK	HCH	3.756	3.4378	PASS

Remark : Pretest the four adapter and found the adapter 1 which is worst case, so only the worst case is recorded in the report.

Test Graph

Graphs			
GFSK/LCH			
GFSK/MCH			
GFSK/HCH			

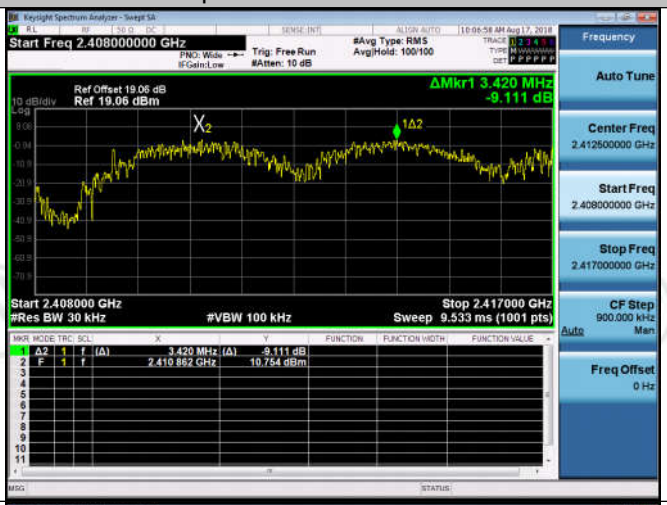
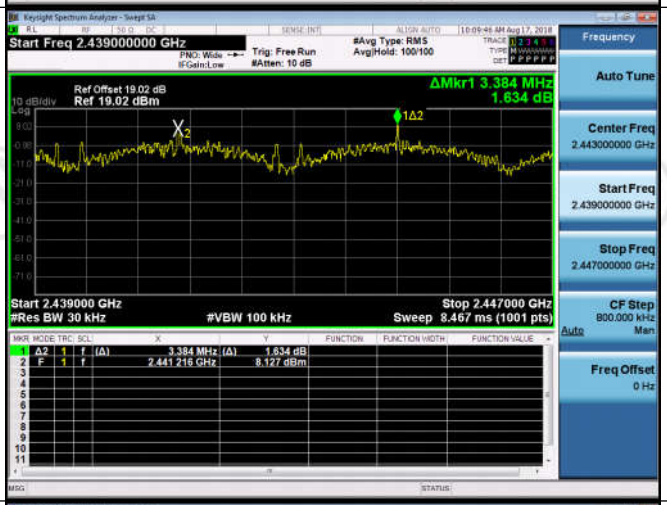
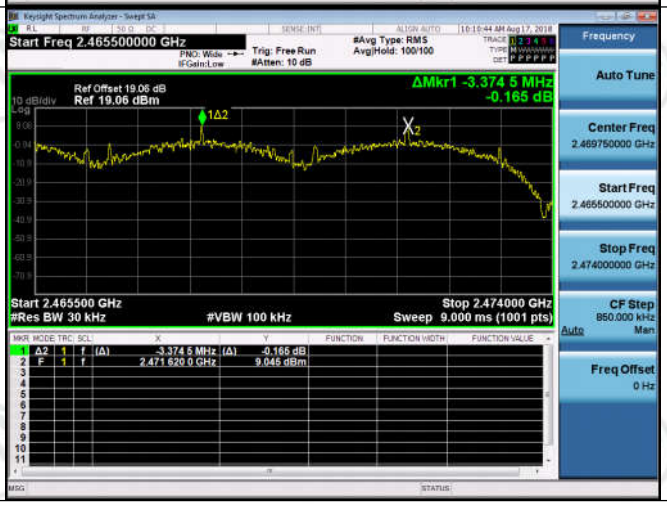
Appendix B): Carrier Frequency Separation

Result Table

Mode	Channel.	Carrier Frequency Separation [MHz]	Verdict
GFSK	LCH	3.420	PASS
GFSK	MCH	3.384	PASS
GFSK	HCH	3.375	PASS

Remark : Pretest the four adapter and found the adapter 1 which is worst case, so only the worst case is recorded in the report.

Test Graph

Graphs		
GFSK/LCH		
GFSK/MCH		
GFSK/HCH		

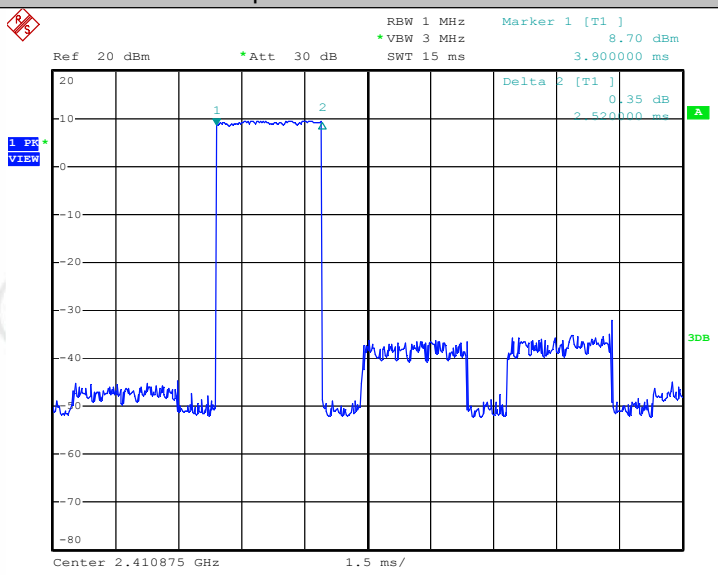
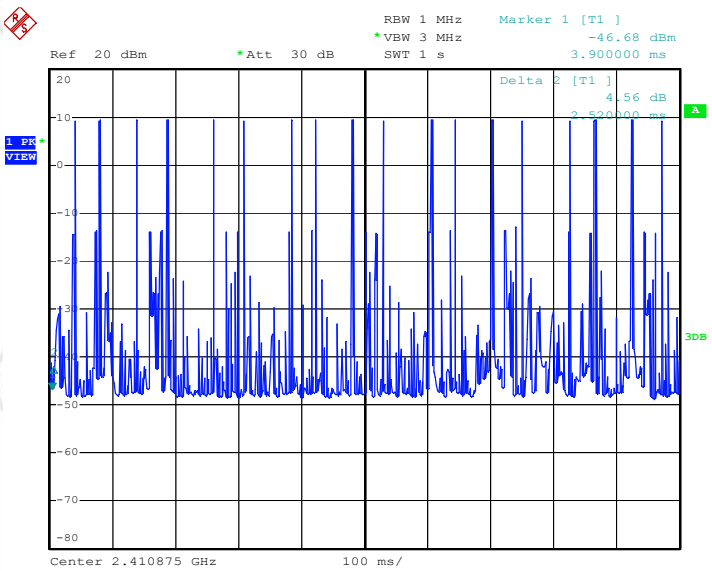
Appendix C): Dwell Time

Result Table

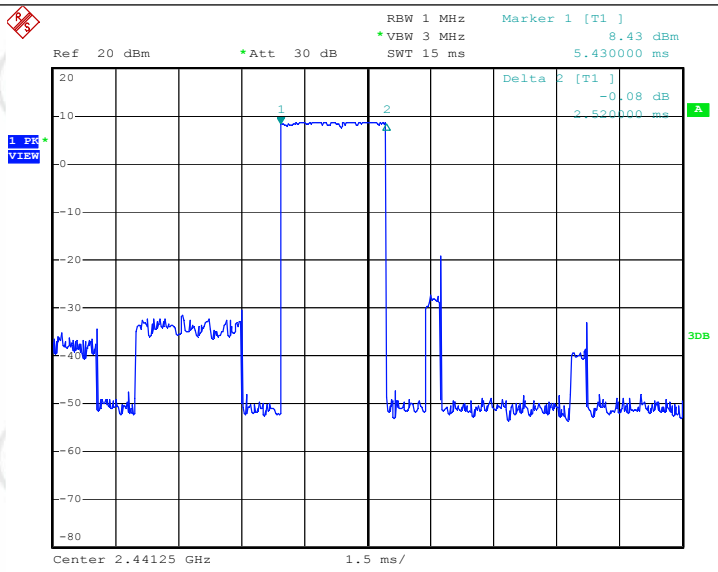
Mode	Channel	Observe time[s]	one set of pulses[ms]	pulses within 1s	Dwell Time[s]	Verdict
GFSK	LCH	7.6	2.52	18	0.345	PASS
GFSK	MCH	7.6	2.52	18	0.345	PASS
GFSK	HCH	7.6	2.52	17	0.326	PASS

Remark : Pretest the four adapter and found the adapter 1 which is worst case, so only the worst case is recorded in the report.

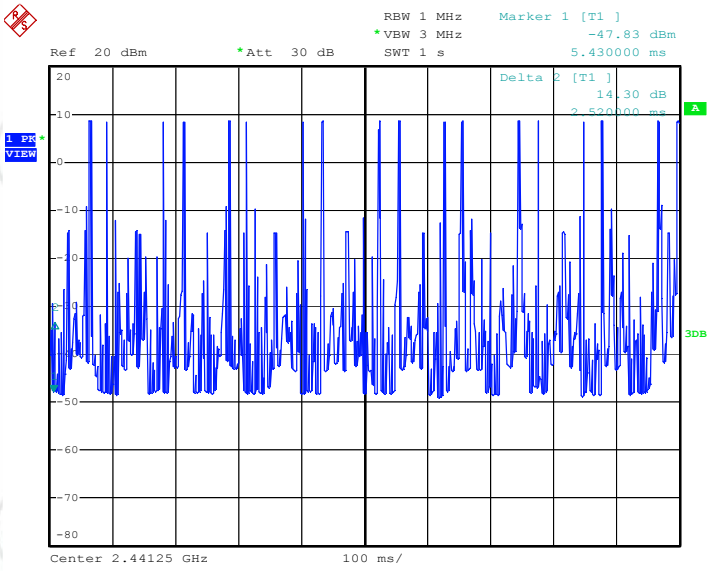
Test Graph

Graphs	
GFSK/LCH	 Date: 17.AUG.2018 15:54:36  Date: 17.AUG.2018 15:55:13

GFSK/MCH

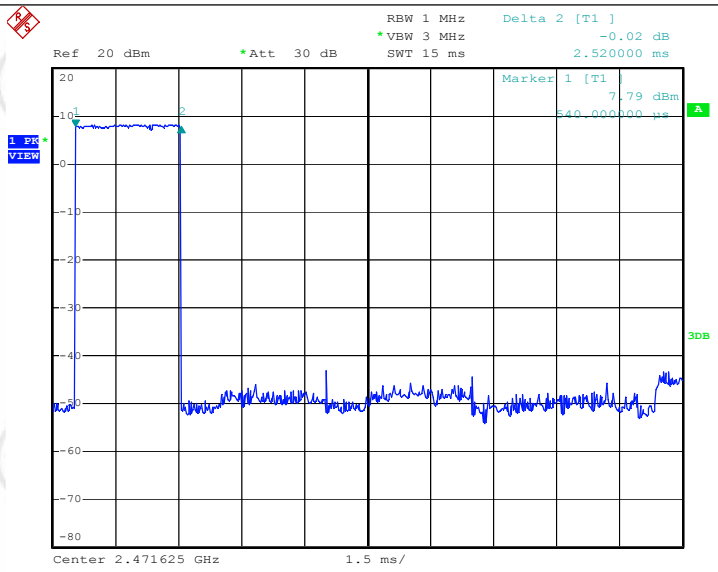


Date: 17.AUG.2018 15:55:57

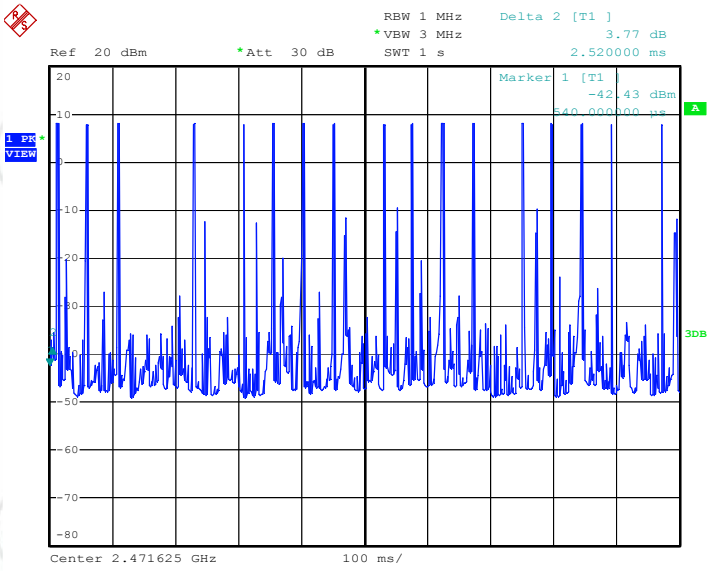


Date: 17.AUG.2018 15:56:35

GFSK/HCH



Date: 17.AUG.2018 15:57:56



Date: 17.AUG.2018 15:58:41

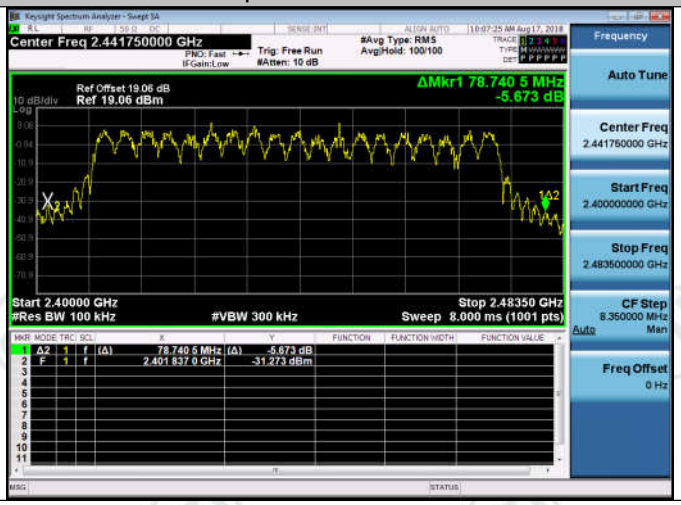
Appendix D): Hopping Channel Number

Result Table

Mode	Channel.	Number of Hopping Channel	Verdict
GFSK	Hop	19	PASS

Remark : Pretest the four adapter and found the adapter 1 which is worst case, so only the worst case is recorded in the report.

Test Graph

Graphs			
GFSK/Hop			

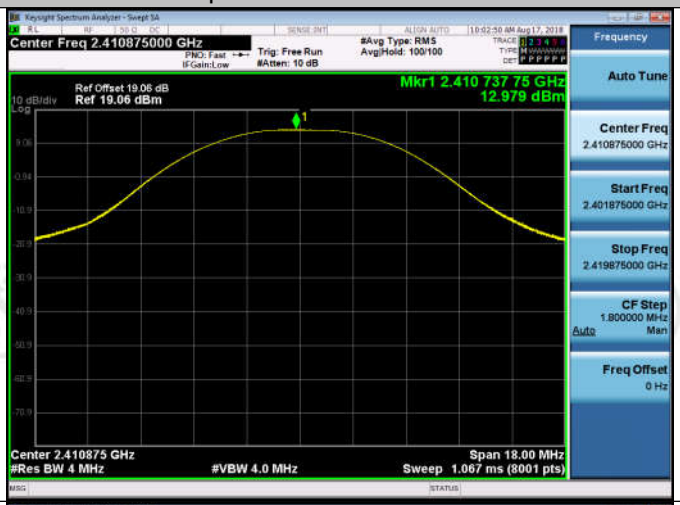
Appendix E): Conducted Peak Output Power

Result Table

Mode	Channel.	Maximum Peak Output Power [dBm]	Verdict
GFSK	LCH	12.979	PASS
GFSK	MCH	12.555	PASS
GFSK	HCH	11.649	PASS

Remark : Pretest the four adapter and found the adapter 1 which is worst case, so only the worst case is recorded in the report.

Test Graph

Graphs			
GFSK/LCH			
GFSK/MCH			
GFSK/HCH			

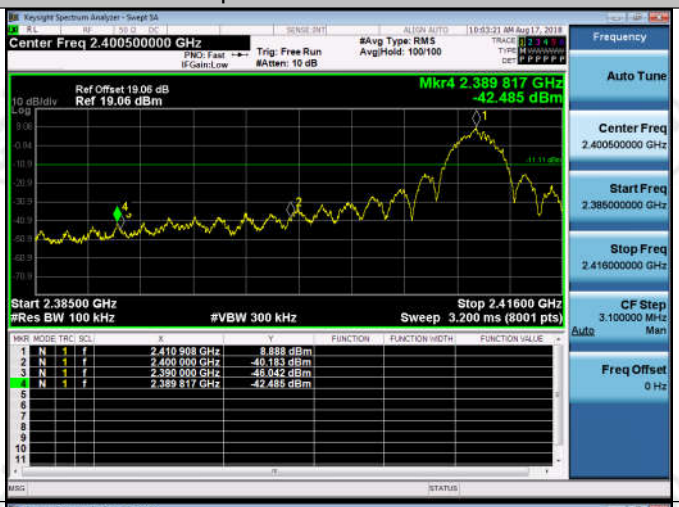
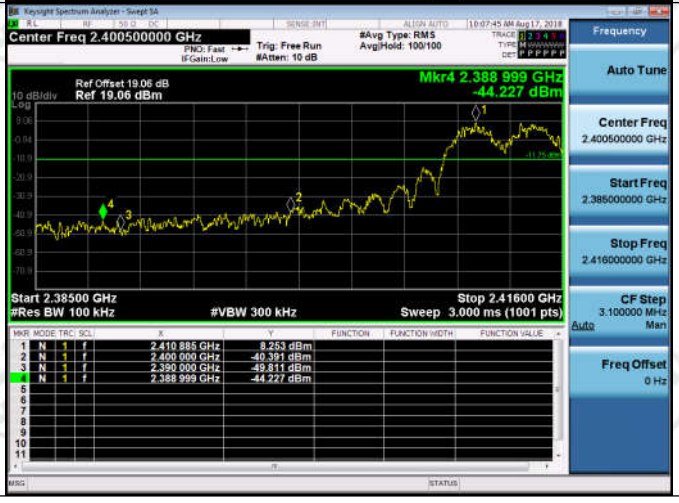
Appendix F): Band-edge for RF Conducted Emissions

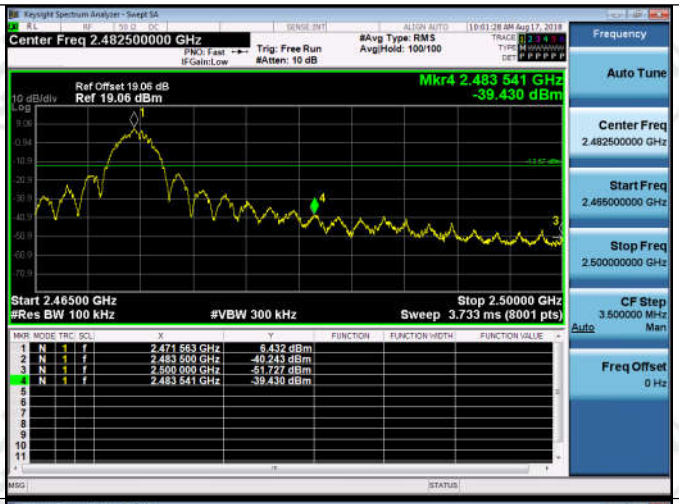
Result Table

Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict
GFSK	LCH	2410.875	8.888	Off	-42.485	-11.11	PASS
			8.253	On	-44.227	-11.75	PASS
GFSK	HCH	2471.625	6.432	Off	-39.430	-13.57	PASS
			6.140	On	-39.624	-13.86	PASS

Remark : Pretest the four adapter and found the adapter 1 which is worst case, so only the worst case is recorded in the report.

Test Graph

Graphs		
GFSK/LCH/No Hop		
GFSK/LCH/Hop		

GFSK/HCH/No Hop			
GFSK/HCH/Hop			

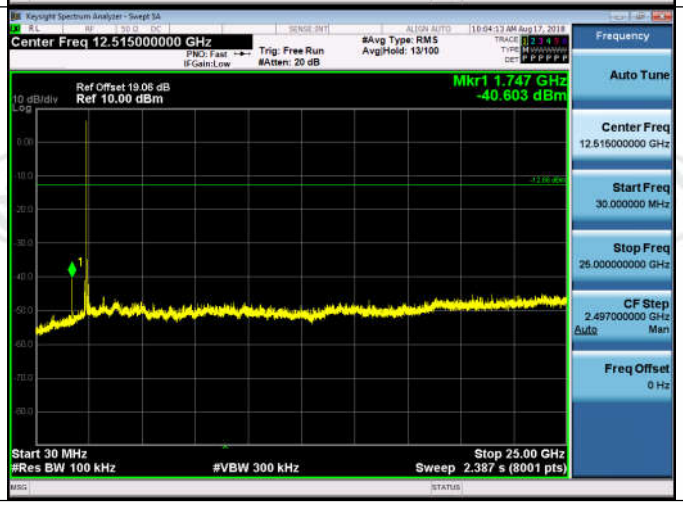
Appendix G): RF Conducted Spurious Emissions

Result Table

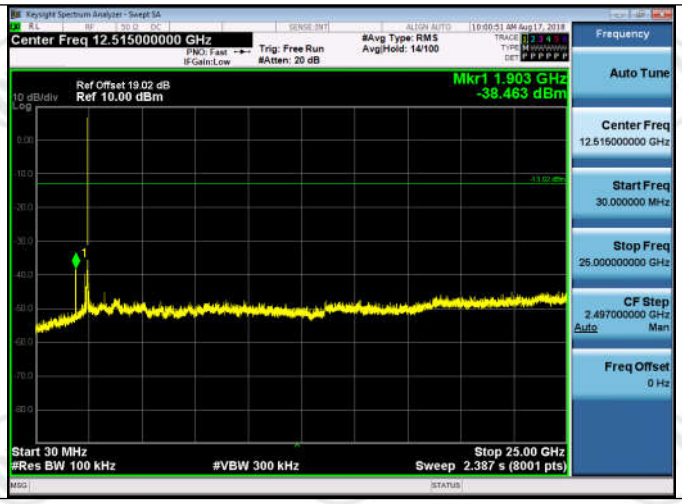
Mode	Channel	Pref [dBm]	Puw[dBm]	Verdict
GFSK	LCH	7.336	<Limit	PASS
GFSK	MCH	6.977	<Limit	PASS
GFSK	HCH	6.080	<Limit	PASS

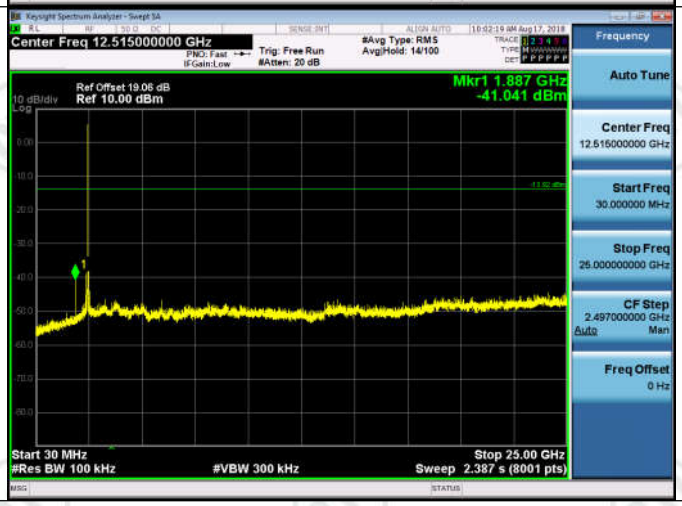
Remark : Pretest the four adapter and found the adapter 1 which is worst case, so only the worst case is recorded in the report.

Test Graph

GFSK_LCH_Graphs	
Pref	
Puw	

GFSK_MCH_Graphs	
Pref	

Puw	

GFSK_HCH_Graphs	
Pref	
Puw	

Appendix H): Pseudorandom Frequency Hopping Sequence

Test Requirement:	47 CFR Part 15**C Section 15.247 (a)(1) requirement:**

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater.

Alternatively. 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, provided the systems operate with an output power no greater than 125 mW. 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.

EUT Pseudorandom Frequency Hopping Sequence

The embedded FHSS engine uses 19 hopping frequencies. Each channel frequency is selected from a pseudorandom ordered list of hopping frequencies, from 2410.875MHz to 2471.625MHz with separating in 3.375MHz apart from each of the channels.A single data frame is transmitted on each frequency location before skipping to the next hopping frequency in the list. Each channel is occupied 3.45milliseconds.

Typically, the initiation of an FHSS communication is as follows:

1. The initiating party sends a request via a predefined frequency or control channel.

2. The receiving party sends a number, known as a seed back to the initiating party.

3. The initiating party sends a synchronization signal acknowledging to the receiving party as it has successfully established a transmission link.

4. The communication begins, and both the receiving and the sending party change their frequencies along ar unpredictable hopping sequence with pseudorandom properties.

Pseudorandom Frequency Hopping Sequence:

2410.875; 2414.250; 2417.625; 2421.000; 2424.375; 2427.750; 2431.125; 2434.500; 2437.875; 2441.250; 2444.625; 2448.000; 2451.375; 2454.750; 2458.125; 2461.500; 2464.875; 2468.250; 2471.625.

System Receiver Input Bandwidth:

The receiver bandwidth is equal to the receiver bandwidth in the 19 hopping channel mode. The receiver bandwidth was verified during RF hopping to the relative channel.

Receiver Hopping Capability:

The associated receiver has the ability to shift frequencies in synchronization with the transmitted signals, with they start connect with a same channel and then hop to next channel with a same formula among each other.

Appendix I): Antenna Requirement

15.203 requirement:

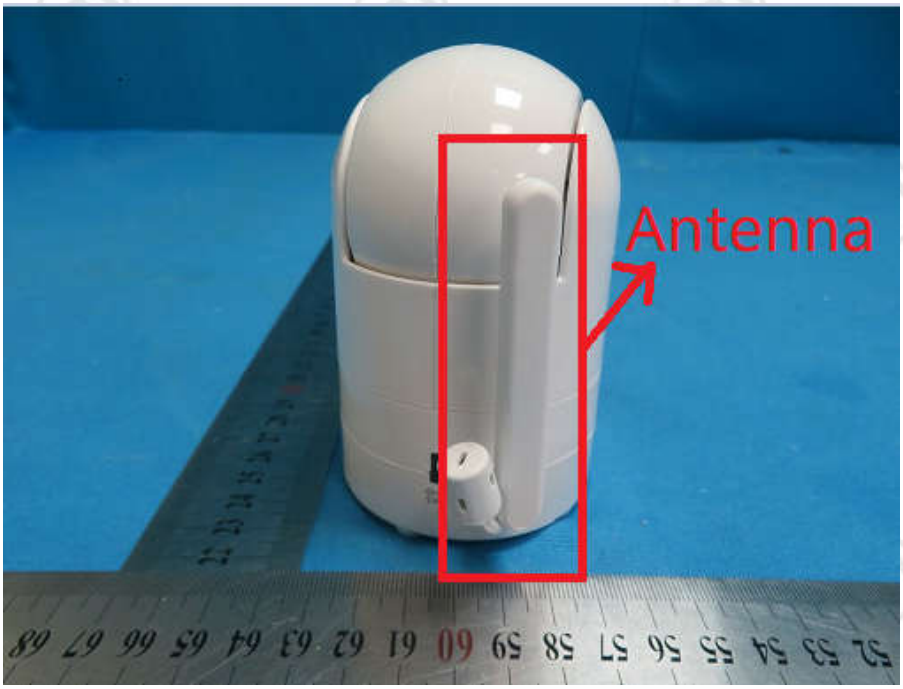
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit 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:	

The antenna is Permanent external connector antenna and no consideration of replacement. The best case gain of the antenna is 0dBi.



Appendix J): AC Power Line Conducted Emission

Test Procedure:	Test frequency range :150KHz-30MHz 1)The mains terminal disturbance voltage test was conducted in a shielded room. 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50Ω/50μH + 5Ω linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded. 3)The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane, 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2. 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.
Limit:	

Frequency range (MHz)	Limit (dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

* The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.

NOTE : The lower limit is applicable at the transition frequency

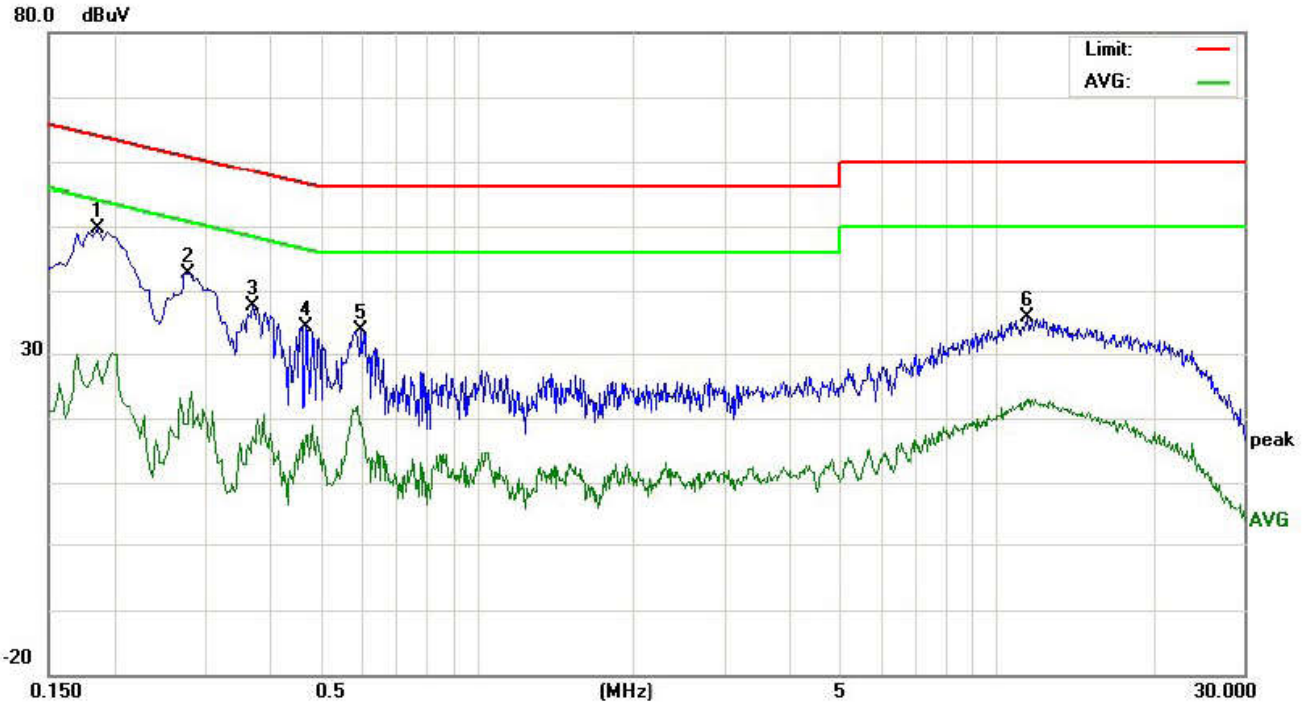
Measurement Data

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

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

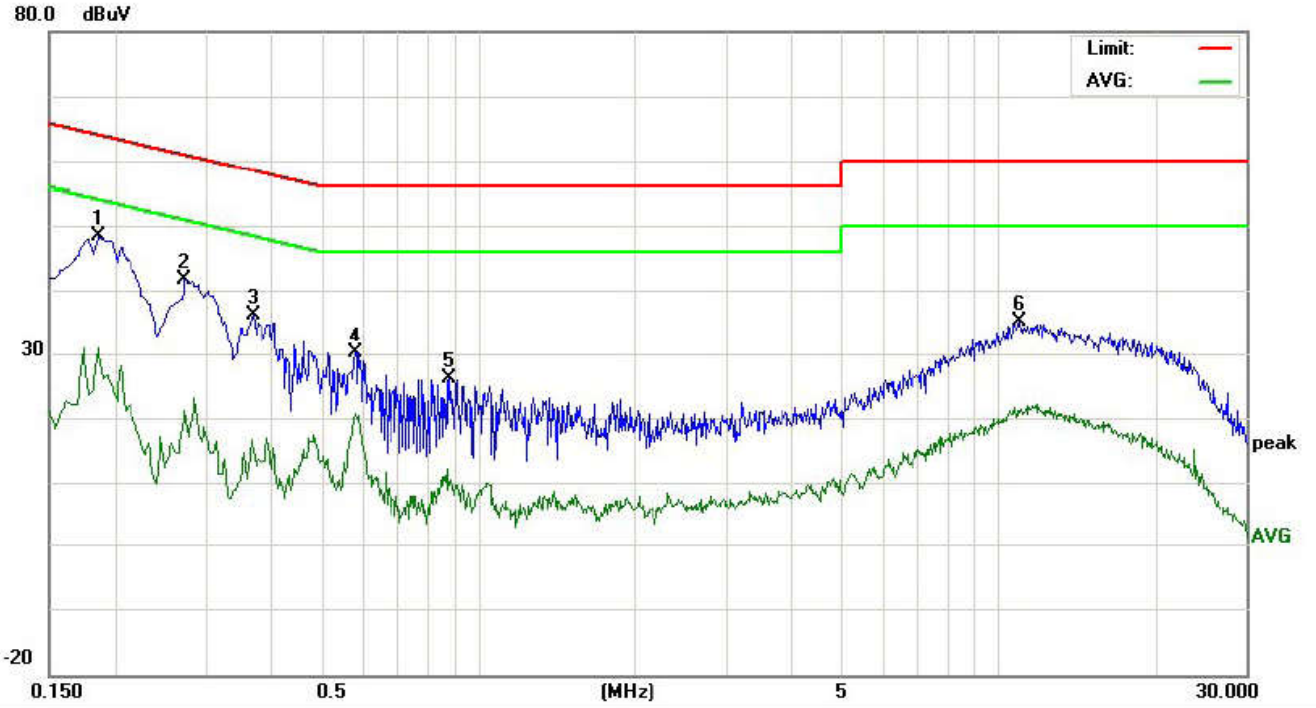
Adapter 1: BLJ06W059100P1-U

Live line:



No.	Freq.	Reading_Level (dBuV)			Correct Factor	Measurement (dBuV)			Limit (dBuV)		Margin (dB)			
	MHz	Peak	QP	AVG	dB	peak	QP	AVG	QP	AVG	QP	AVG	P/F	Comment
1	0.1860	39.91	36.47	19.14	9.73	49.64	46.20	28.87	64.21	54.21	-18.01	-25.34	P	
2	0.2779	32.93	29.51	9.29	9.76	42.69	39.27	19.05	60.88	50.88	-21.61	-31.83	P	
3	0.3700	27.83	23.14	7.30	9.76	37.59	32.90	17.06	58.50	48.50	-25.60	-31.44	P	
4	0.4700	24.60	21.58	7.70	9.72	34.32	31.30	17.42	56.51	46.51	-25.21	-29.09	P	
5	0.5980	24.04	21.74	9.62	9.75	33.79	31.49	19.37	56.00	46.00	-24.51	-26.63	P	
6	11.4980	25.93	22.59	12.96	9.86	35.79	32.45	22.82	60.00	50.00	-27.55	-27.18	P	

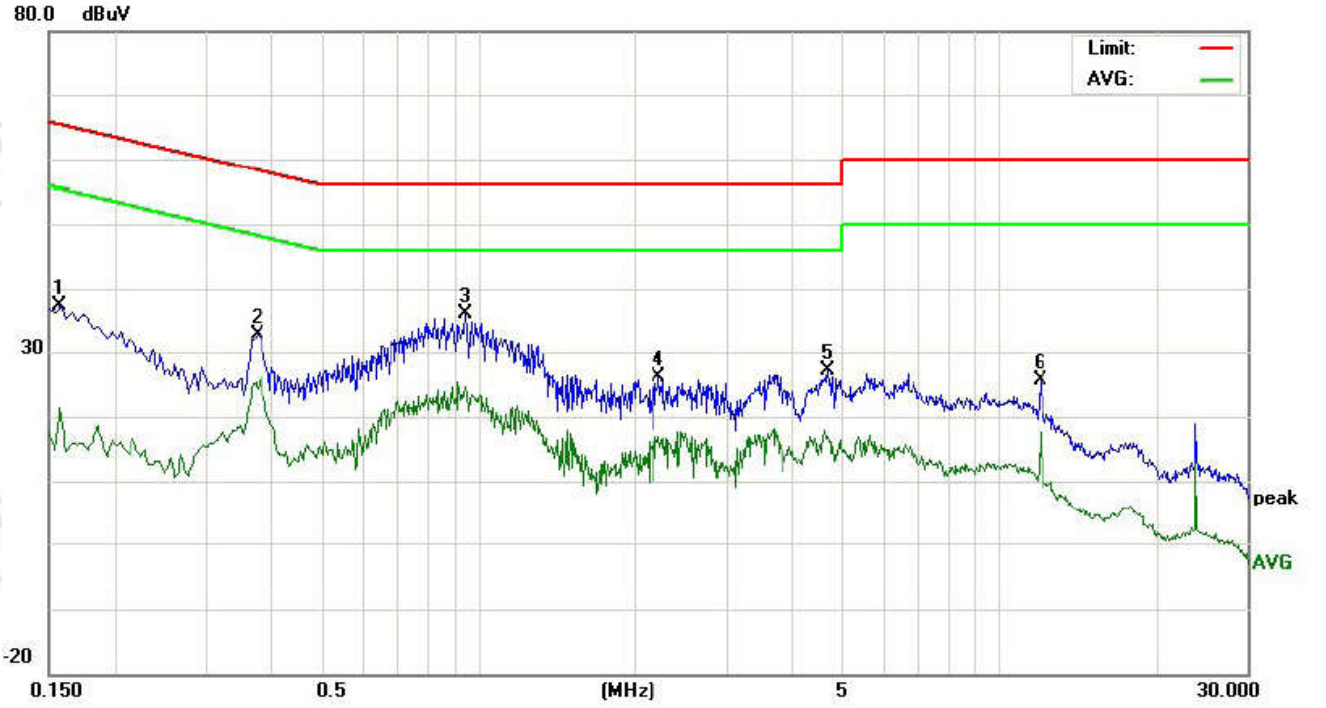
Neutral line:



No.	Freq.	Reading_Level (dBuV)			Correct Factor	Measurement (dBuV)			Limit (dBuV)		Margin (dB)			
	MHz	Peak	QP	AVG	dB	peak	QP	AVG	QP	AVG	QP	AVG	P/F	Comment
1	0.1860	38.57	36.32	21.23	9.73	48.30	46.05	30.96	64.21	54.21	-18.16	-23.25	P	
2	0.2740	32.24	29.15	11.43	9.76	42.00	38.91	21.19	60.99	50.99	-22.08	-29.80	P	
3	0.3700	26.35	23.68	5.32	9.76	36.11	33.44	15.08	58.50	48.50	-25.06	-33.42	P	
4	0.5820	20.40	17.58	10.92	9.74	30.14	27.32	20.66	56.00	46.00	-28.68	-25.34	P	
5	0.8820	16.44	14.74	0.27	9.75	26.19	24.49	10.02	56.00	46.00	-31.51	-35.98	P	
6	10.9900	25.22	22.59	11.07	9.83	35.05	32.42	20.90	60.00	50.00	-27.58	-29.10	P	

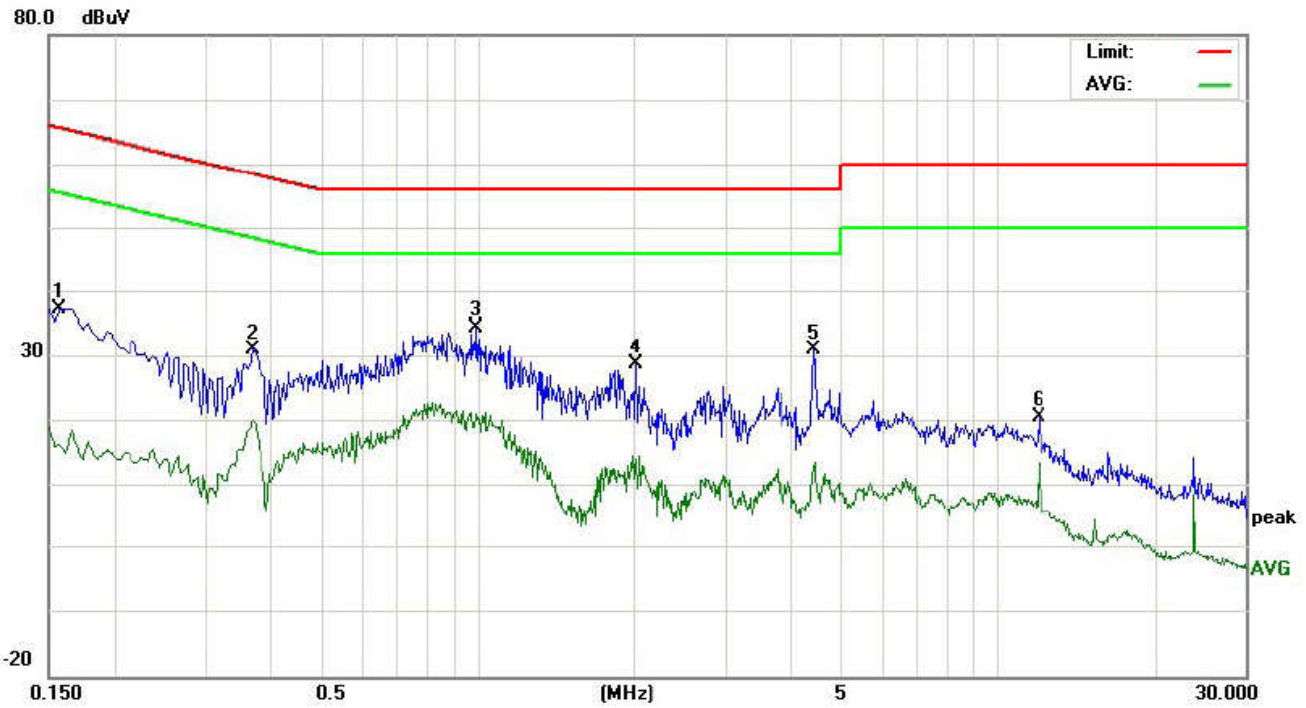
Adapter 2: CS6D059100FU

Live line:



No.	Freq.	Reading_Level (dBuV)			Correct Factor	Measurement (dBuV)			Limit (dBuV)		Margin (dB)			
	MHz	Peak	QP	AVG	dB	peak	QP	AVG	QP	AVG	QP	AVG	P/F	Comment
1	0.1580	27.60	23.21	11.73	9.76	37.36	32.97	21.49	65.56	55.56	-32.59	-34.07	P	
2	0.3780	23.16	20.15	14.51	9.76	32.92	29.91	24.27	58.32	48.32	-28.41	-24.05	P	
3	0.9460	26.33	23.62	14.78	9.74	36.07	33.36	24.52	56.00	46.00	-22.64	-21.48	P	
4	2.2260	16.43	13.25	7.16	9.71	26.14	22.96	16.87	56.00	46.00	-33.04	-29.13	P	
5	4.7020	17.55	14.33	7.12	9.63	27.18	23.96	16.75	56.00	46.00	-32.04	-29.25	P	
6	12.0020	15.77	12.55	7.63	9.88	25.65	22.43	17.51	60.00	50.00	-37.57	-32.49	P	

Neutral line:



No.	Freq.	Reading_Level (dBuV)			Correct Factor	Measurement (dBuV)			Limit (dBuV)		Margin (dB)			
	MHz	Peak	QP	AVG	dB	peak	QP	AVG	QP	AVG	QP	AVG	P/F	Comment
1	0.1580	27.48	24.32	6.47	9.76	37.24	34.08	16.23	65.56	55.56	-31.48	-39.33	P	
2	0.3700	21.17	19.25	10.05	9.76	30.93	29.01	19.81	58.50	48.50	-29.49	-28.69	P	
3	0.9980	24.61	21.36	11.09	9.72	34.33	31.08	20.81	56.00	46.00	-24.92	-25.19	P	
4	2.0220	19.00	17.58	4.18	9.72	28.72	27.30	13.90	56.00	46.00	-28.70	-32.10	P	
5	4.4460	21.15	19.66	2.92	9.64	30.79	29.30	12.56	56.00	46.00	-26.70	-33.44	P	
6	11.9980	10.60	7.85	3.58	9.88	20.48	17.73	13.46	60.00	50.00	-42.27	-36.54	P	

Notes:

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

Appendix K): Restricted bands around fundamental frequency (Radiated)

Receiver Setup:

Frequency	Detector	RBW	VBW	Remark
30MHz-1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak
Above 1GHz	Peak	1MHz	3MHz	Peak
	Peak	1MHz	10Hz	Average

Test Procedure:

Below 1GHz test procedure as below:

The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.

The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel

Above 1GHz test procedure as below:

Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber and change form table 0.8 meter to 1.5 meter(Above 18GHz the distance is 1 meter and table is 1.5 meter).

b. Test the EUT in the lowest channel , the Highest channel

The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is worse case.

Repeat above procedures until all frequencies measured was complete.

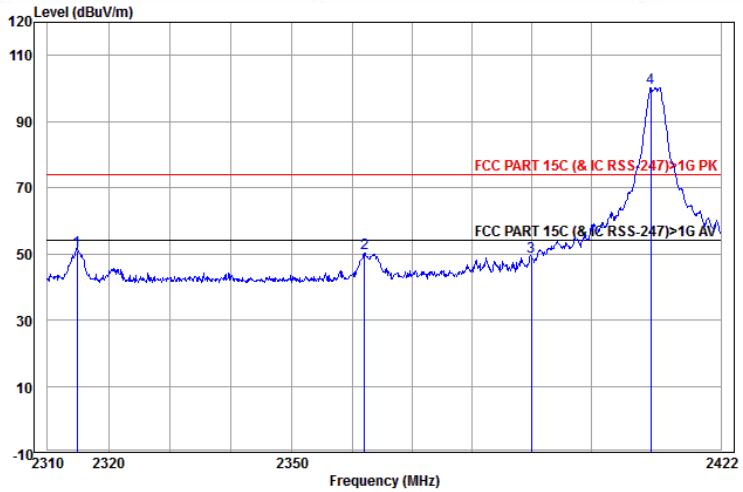
Limit:

Frequency	Limit (dBμV/m @3m)	Remark
30MHz-88MHz	40.0	Quasi-peak Value
88MHz-216MHz	43.5	Quasi-peak Value
216MHz-960MHz	46.0	Quasi-peak Value
960MHz-1GHz	54.0	Quasi-peak Value
Above 1GHz	54.0	Average Value
	74.0	Peak Value

Test plot as follows:

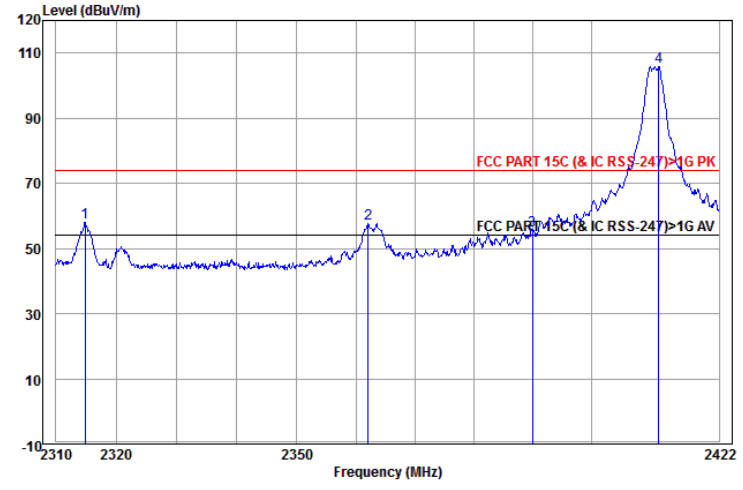
Adapter 1: BLJ06W059100P1-U

Worse case mode:	GFSK		
Frequency: 2410.875MHz	Test channel: Lowest	Polarization: Horizontal	Remark: Peak



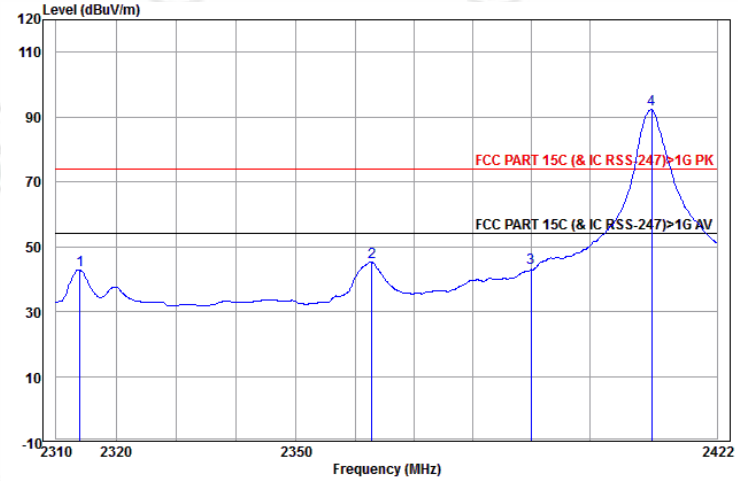
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2314.817	27.77	3.03	20.10	50.90	74.00	-23.10	Horizontal	Peak
2	2362.092	27.69	3.05	19.61	50.35	74.00	-23.65	Horizontal	Peak
3	2390.000	27.64	3.07	18.29	49.00	74.00	-25.00	Horizontal	Peak
4 pp	2410.104	27.62	3.08	69.59	100.29	74.00	26.29	Horizontal	Peak

Worse case mode:	GFSK		
Frequency: 2410.875MHz	Test channel: Lowest	Polarization: Vertical	Remark: Peak



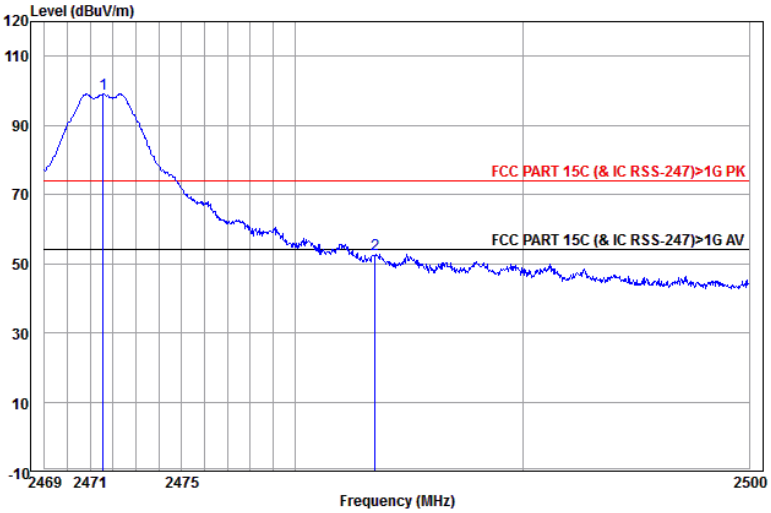
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2314.817	27.77	3.03	27.28	58.08	74.00	-15.92	Vertical	Peak
2	2362.092	27.69	3.05	26.80	57.54	74.00	-16.46	Vertical	Peak
3	2390.000	27.64	3.07	24.85	55.56	74.00	-18.44	Vertical	Peak
4 pp	2411.587	27.62	3.08	75.05	105.75	74.00	31.75	Vertical	Peak

Worse case mode:	GFSK		
Frequency: 2410.875MHz	Test channel: Lowest	Polarization: Vertical	Remark: Average



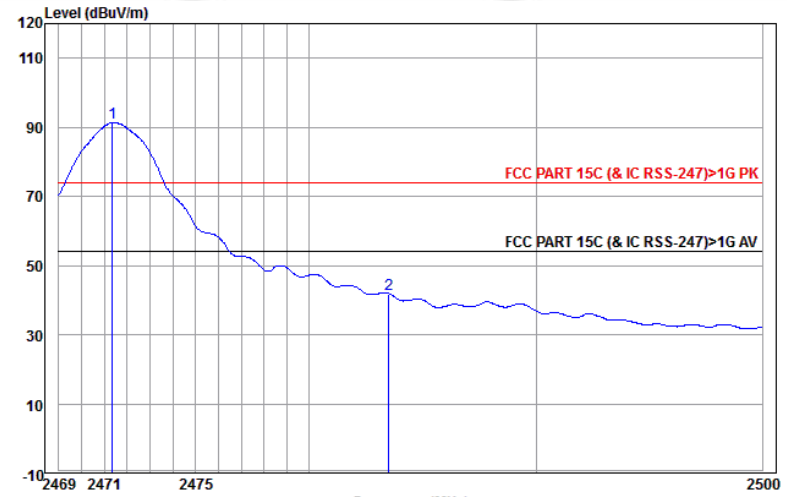
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2313.941	27.77	3.03	12.10	42.90	54.00	-11.10	Vertical	Average
2	2362.875	27.69	3.05	14.59	45.33	54.00	-8.67	Vertical	Average
3	2390.000	27.64	3.07	12.91	43.62	54.00	-10.38	Vertical	Average
4 pp	2410.674	27.62	3.08	61.58	92.28	54.00	38.28	Vertical	Average

Worse case mode:	GFSK		
Frequency: 2471.625MHz	Test channel: Highest	Polarization: Horizontal	Remark: Peak



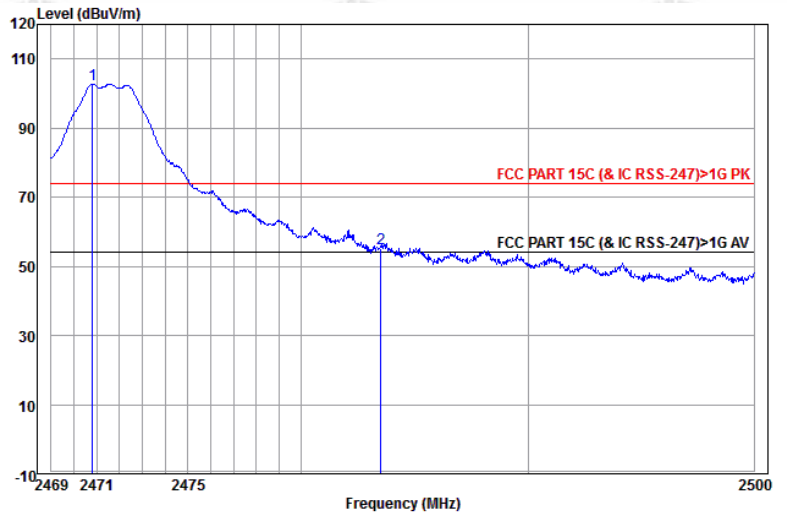
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1 pp	2471.558	27.59	3.11	68.47	99.17	74.00	25.17	Horizontal	Peak
2	2483.500	27.59	3.12	21.91	52.62	74.00	-21.38	Horizontal	Peak

Worse case mode:	GFSK		
Frequency: 2471.625MHz	Test channel: Highest	Polarization: Horizontal	Remark: Average



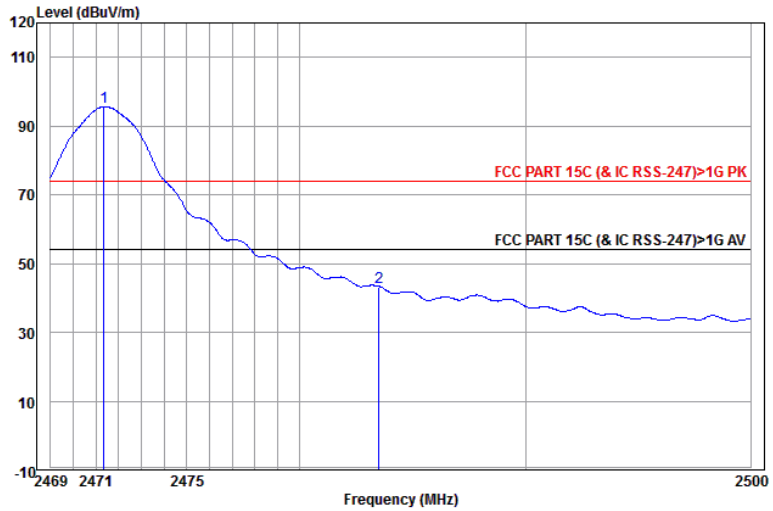
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1 pp	2471.343	27.59	3.11	60.64	91.34	54.00	37.34	Horizontal	Average
2	2483.500	27.59	3.12	11.08	41.79	54.00	-12.21	Horizontal	Average

Worse case mode:	GFSK		
Frequency: 2471.625MHz	Test channel: Highest	Polarization: Vertical	Remark: Peak



	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1 pp	2470.818	27.59	3.11	72.08	102.78	74.00	28.78	Vertical	Peak
2	2483.500	27.59	3.12	24.50	55.21	74.00	-18.79	Vertical	Peak

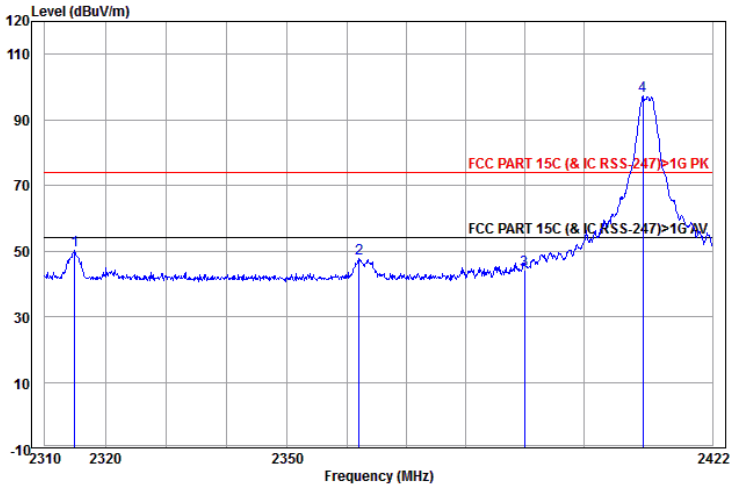
Worse case mode:	GFSK		
Frequency: 2471.625MHz	Test channel: Highest	Polarization: Vertical	Remark: Average



	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1 pp	2471.343	27.59	3.11	64.91	95.61	54.00	41.61	Vertical	Average
2	2483.500	27.59	3.12	12.35	43.06	54.00	-10.94	Vertical	Average

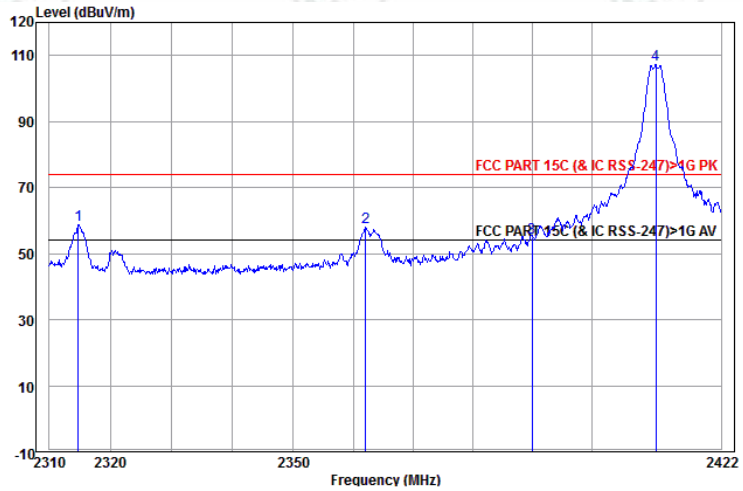
Adapter 2: CS6D059100FU

Worse case mode:	GFSK		
Frequency: 2410.875MHz	Test channel: Lowest	Polarization: Horizontal	Remark: Peak



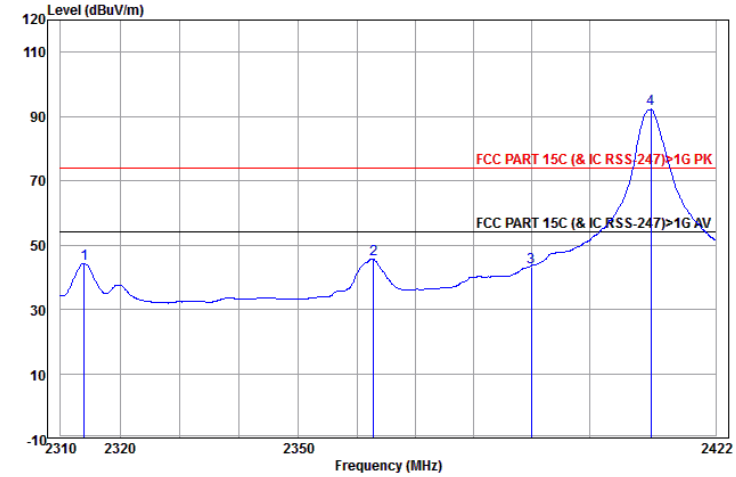
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2314.927	27.77	3.03	19.34	50.14	74.00	-23.86	Horizontal	Peak
2	2362.092	27.69	3.05	16.99	47.73	74.00	-26.27	Horizontal	Peak
3	2390.000	27.64	3.07	13.38	44.09	74.00	-29.91	Horizontal	Peak
4 pp	2410.104	27.62	3.08	66.48	97.18	74.00	23.18	Horizontal	Peak

Worse case mode:	GFSK		
Frequency: 2410.875MHz	Test channel: Lowest	Polarization: Vertical	Remark: Peak



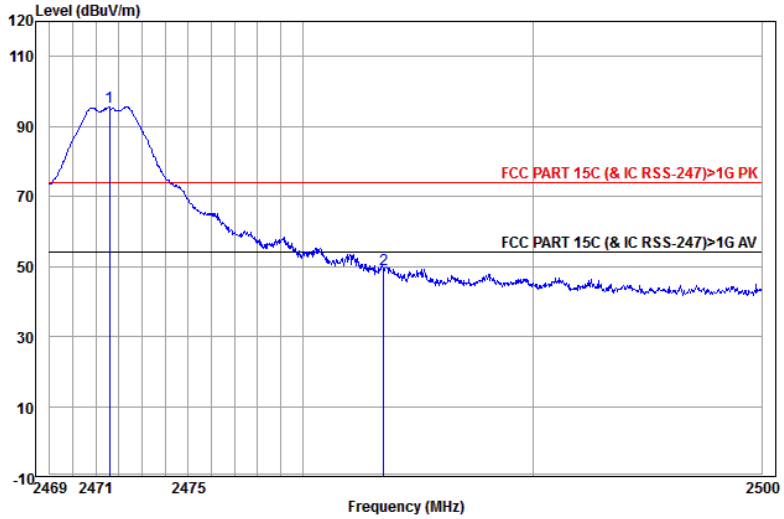
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2314.708	27.77	3.03	28.04	58.84	74.00	-15.16	Vertical	Peak
2	2362.092	27.69	3.05	27.13	57.87	74.00	-16.13	Vertical	Peak
3	2390.000	27.64	3.07	24.05	54.76	74.00	-19.24	Vertical	Peak
4 pp	2410.902	27.62	3.08	76.44	107.14	74.00	33.14	Vertical	Peak

Worse case mode:	GFSK		
Frequency: 2410.875MHz	Test channel: Lowest	Polarization: Vertical	Remark: Average



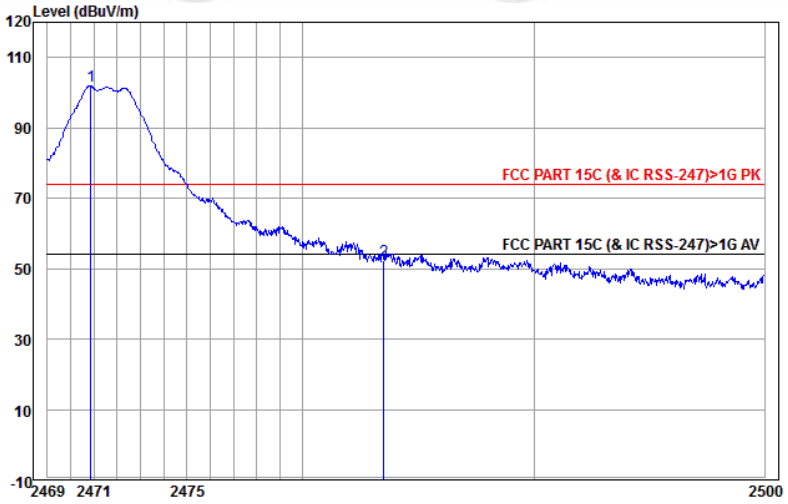
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2313.941	27.77	3.03	13.46	44.26	54.00	-9.74	Vertical	Average
2	2362.875	27.69	3.05	14.88	45.62	54.00	-8.38	Vertical	Average
3	2390.000	27.64	3.07	12.28	42.99	54.00	-11.01	Vertical	Average
4 pp	2410.674	27.62	3.08	61.60	92.30	54.00	38.30	Vertical	Average

Worse case mode:	GFSK		
Frequency: 2471.625MHz	Test channel: Highest	Polarization: Horizontal	Remark: Peak



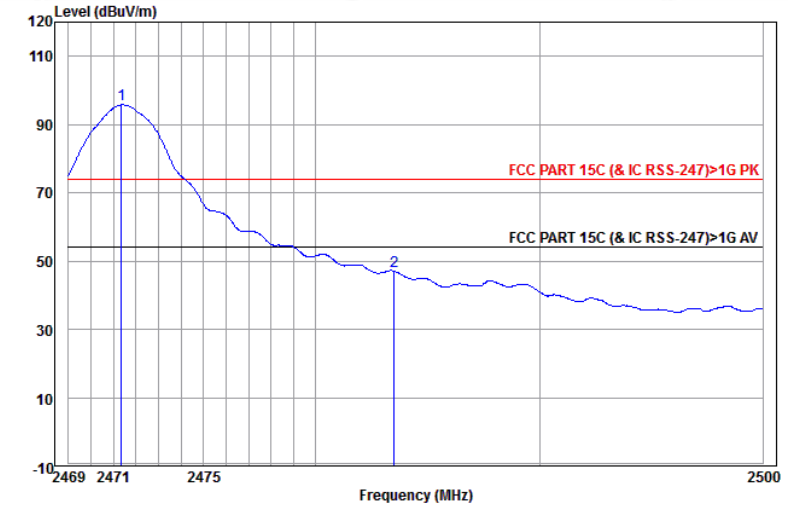
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1 pp	2471.589	27.59	3.11	64.89	95.59	74.00	21.59	Horizontal	Peak
2	2483.500	27.59	3.12	18.34	49.05	74.00	-24.95	Horizontal	Peak

Worse case mode:	GFSK		
Frequency: 2471.625MHz	Test channel: Highest	Polarization: Vertical	Remark: Peak



	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1 pp	2470.849	27.59	3.11	71.20	101.90	74.00	27.90	Vertical	Peak
2	2483.500	27.59	3.12	21.64	52.35	74.00	-21.65	Vertical	Peak

Worse case mode:	GFSK		
Frequency: 2471.625MHz	Test channel: Highest	Polarization: Vertical	Remark: Average



	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1 pp	2471.343	27.59	3.11	65.08	95.78	54.00	41.78	Vertical	Average
2	2483.500	27.59	3.12	16.19	46.90	54.00	-7.10	Vertical	Average

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

Appendix L): Radiated Spurious Emissions

Receiver Setup:

Frequency	Detector	RBW	VBW	Remark
0.009MHz-0.090MHz	Peak	10kHz	30kHz	Peak
0.009MHz-0.090MHz	Average	10kHz	30kHz	Average
0.090MHz-0.110MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
0.110MHz-0.490MHz	Peak	10kHz	30kHz	Peak
0.110MHz-0.490MHz	Average	10kHz	30kHz	Average
0.490MHz -30MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
30MHz-1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak
Above 1GHz	Peak	1MHz	3MHz	Peak
	Peak	1MHz	10Hz	Average

Test Procedure:

Below 1GHz test procedure as below:

The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.

The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

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.

The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

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.

Above 1GHz test procedure as below:

Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber and change form table 0.8 meter to 1.5 meter(Above 18GHz the distance is 1 meter and table is 1.5 meter).

Test the EUT in the lowest channel ,the middle channel ,the Highest channel

The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is worse case.

Repeat above procedures until all frequencies measured was complete.

Limit:

Frequency	Field strength (microvolt/meter)	Limit (dBμV/m)	Remark	Measurement distance (m)
0.009MHz-0.490MHz	2400/F(kHz)	-	-	300
0.490MHz-1.705MHz	24000/F(kHz)	-	-	30
1.705MHz-30MHz	30	-	-	30
30MHz-88MHz	100	40.0	Quasi-peak	3
88MHz-216MHz	150	43.5	Quasi-peak	3
216MHz-960MHz	200	46.0	Quasi-peak	3
960MHz-1GHz	500	54.0	Quasi-peak	3
Above 1GHz	500	54.0	Average	3

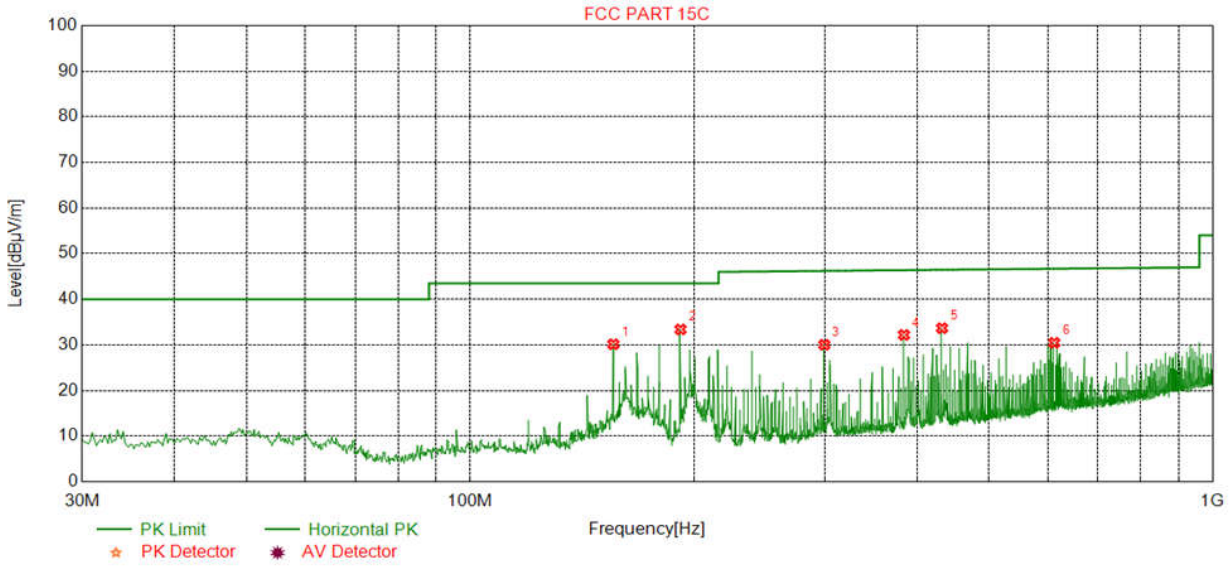
Note: 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.

Radiated Spurious Emissions test Data:

Radiated Emission below 1GHz

Adapter 1: BLJ06W059100P1-U

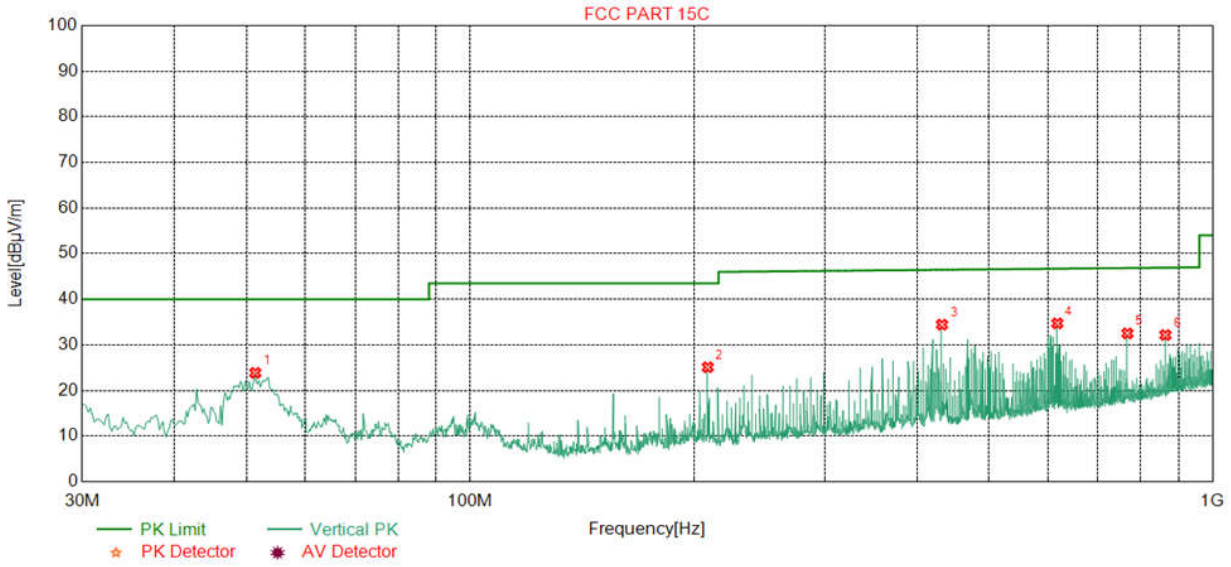
Mode:	GFSK
Remark:	QP



Suspected List

NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Magin [dB]	Result	Polarity
1	155.9312	7.76	1.46	-31.99	52.92	30.15	43.50	13.35	Pass	Horizontal
2	192.0224	10.14	1.62	-31.96	53.59	33.39	43.50	10.11	Pass	Horizontal
3	299.9080	13.20	2.06	-31.85	46.62	30.03	46.22	16.19	Pass	Horizontal
4	383.9268	15.05	2.33	-31.86	46.67	32.19	46.39	14.20	Pass	Horizontal
5	432.0484	15.91	2.46	-31.83	47.12	33.66	46.46	12.80	Pass	Horizontal
6	611.9224	19.10	2.96	-32.05	40.45	30.46	46.70	16.24	Pass	Horizontal

Mode:	GFSK
Remark:	QP

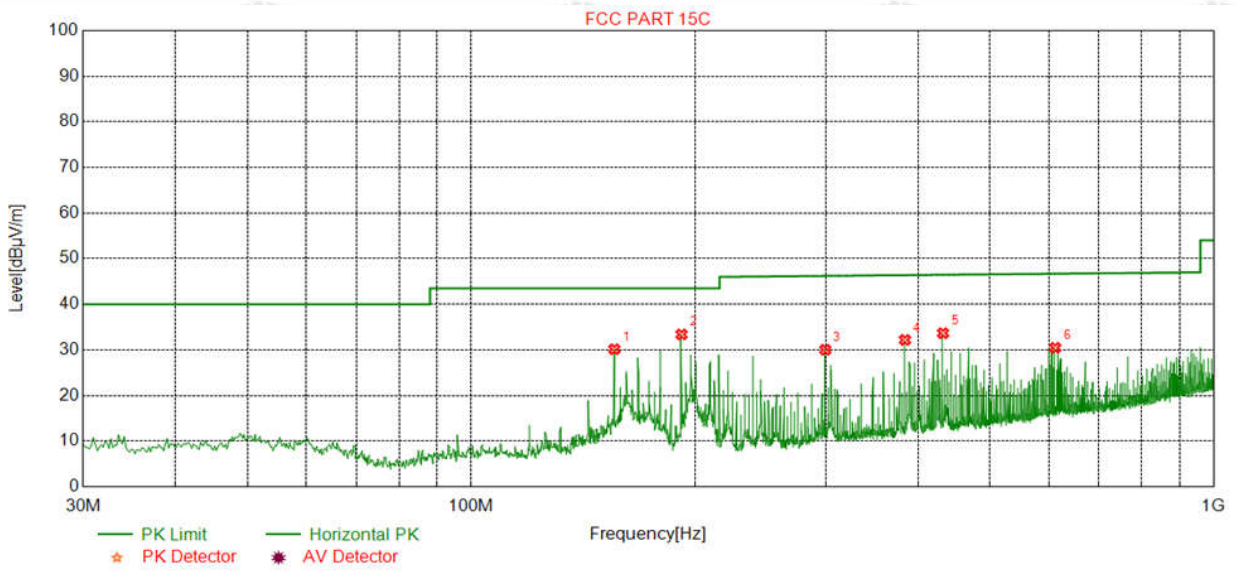


Suspected List

NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Preamp gain [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Magin [dB]	Result	Polarity
1	51.3443	12.98	0.81	-32.10	42.18	23.87	40.00	16.13	Pass	Vertical
2	208.9038	11.13	1.71	-31.94	44.20	25.10	43.50	18.40	Pass	Vertical
3	432.0484	15.91	2.46	-31.83	47.90	34.44	46.46	12.02	Pass	Vertical
4	617.9376	19.14	2.96	-31.99	44.61	34.72	46.70	11.98	Pass	Vertical
5	767.9296	20.55	3.32	-32.09	40.74	32.52	46.85	14.33	Pass	Vertical
6	863.9788	21.67	3.53	-31.75	38.72	32.17	46.93	14.76	Pass	Vertical

Adapter 2: CS6D059100FU

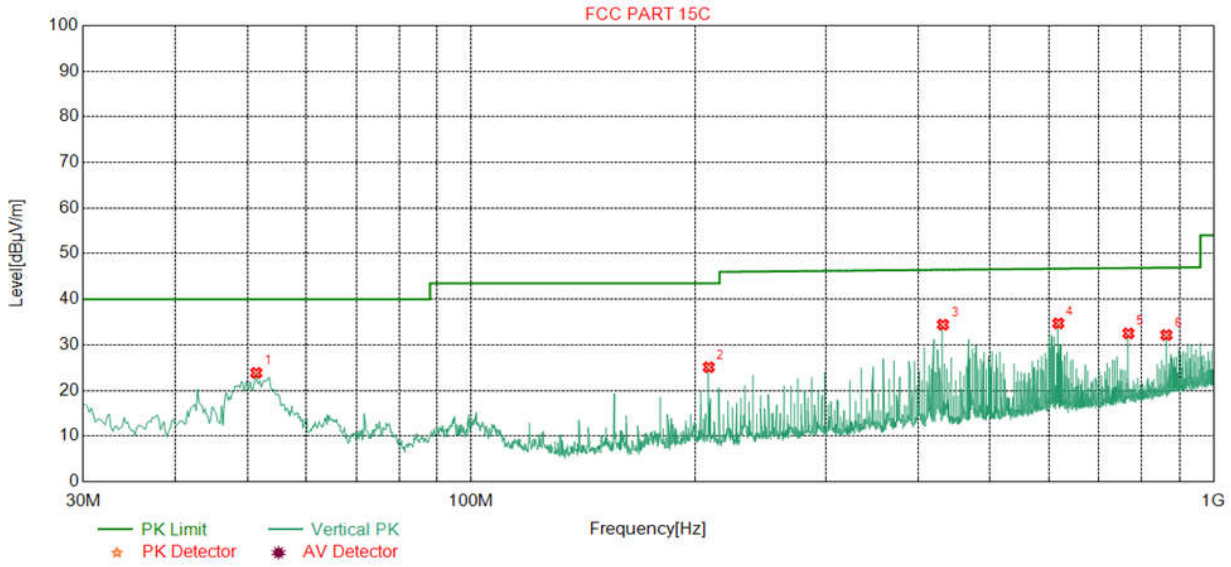
Mode:	GFSK
Remark:	QP



Suspected List

NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Magin [dB]	Result	Polarity
1	155.9312	7.76	1.46	-31.99	52.92	30.15	43.50	13.35	Pass	Horizontal
2	192.0224	10.14	1.62	-31.96	53.59	33.39	43.50	10.11	Pass	Horizontal
3	299.9080	13.20	2.06	-31.85	46.62	30.03	46.22	16.19	Pass	Horizontal
4	383.9268	15.05	2.33	-31.86	46.67	32.19	46.39	14.20	Pass	Horizontal
5	432.0484	15.91	2.46	-31.83	47.12	33.66	46.46	12.80	Pass	Horizontal
6	611.9224	19.10	2.96	-32.05	40.45	30.46	46.70	16.24	Pass	Horizontal

Mode:	GFSK
Remark:	QP



Suspected List

NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Magin [dB]	Result	Polarity
1	51.3443	12.98	0.81	-32.10	42.18	23.87	40.00	16.13	Pass	Vertical
2	208.9038	11.13	1.71	-31.94	44.20	25.10	43.50	18.40	Pass	Vertical
3	432.0484	15.91	2.46	-31.83	47.90	34.44	46.46	12.02	Pass	Vertical
4	617.9376	19.14	2.96	-31.99	44.61	34.72	46.70	11.98	Pass	Vertical
5	767.9296	20.55	3.32	-32.09	40.74	32.52	46.85	14.33	Pass	Vertical
6	863.9788	21.67	3.53	-31.75	38.72	32.17	46.93	14.76	Pass	Vertical

Transmitter Emission above 1GHz

Adapter 1: BLJ06W059100P1-U

Mode:	GFSK	Channel:	2410.875
Remark:	/		

NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Magin [dB]	Result	Polarity	Remark
1	1851.3703	30.72	3.38	-36.94	46.10	43.26	74.00	30.74	Pass	H	PK
2	3125.7876	33.25	4.64	-36.88	44.43	45.44	74.00	28.56	Pass	H	PK
3	4821.7500	34.50	4.60	-36.11	54.69	57.68	74.00	16.32	Pass	H	PK
4	4821.7500	34.50	4.60	-36.11	44.29	47.28	54.00	6.72	Pass	H	AV
5	7232.6250	36.33	5.79	-36.43	47.93	53.62	74.00	20.38	Pass	H	PK
6	7232.6250	36.33	5.79	-36.43	36.34	42.03	54.00	11.97	Pass	H	AV
7	8481.9982	36.59	6.46	-36.44	43.34	49.95	74.00	24.05	Pass	H	PK
8	9643.5000	37.66	6.71	-36.91	42.10	49.56	74.00	24.44	Pass	H	PK

Mode:	GFSK	Channel:	2410.875
Remark:	/		

NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Magin [dB]	Result	Polarity	Remark
1	3214.5215	33.29	4.59	-36.73	45.93	47.08	74.00	26.92	Pass	V	PK
2	4821.7500	34.50	4.60	-36.11	55.04	58.03	74.00	15.97	Pass	V	PK
3	4821.7500	34.50	4.60	-36.11	45.38	48.37	54.00	5.63	Pass	V	AV
4	6306.5557	35.86	5.46	-36.22	42.59	47.69	74.00	26.31	Pass	V	PK
5	7232.6250	36.33	5.79	-36.43	43.35	49.04	74.00	24.96	Pass	V	PK
6	8268.4518	36.51	6.17	-36.59	43.51	49.60	74.00	24.40	Pass	V	PK
7	9643.5000	37.66	6.71	-36.91	42.31	49.77	74.00	24.23	Pass	V	PK

Mode:	GFSK	Channel:	2441.250
Remark:	/		

NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Magin [dB]	Result	Polarity	Remark
1	1752.5505	30.07	3.23	-36.78	46.51	43.03	74.00	30.97	Pass	H	PK
2	2903.9808	33.05	4.38	-36.64	45.72	46.51	74.00	27.49	Pass	H	PK
3	4943.2500	34.50	4.83	-36.22	52.19	55.30	74.00	18.70	Pass	H	PK
4	4943.2500	34.50	4.83	-36.22	41.07	43.18	54.00	10.82	Pass	H	AV
5	6357.2607	35.87	5.44	-36.16	43.06	48.21	74.00	25.79	Pass	H	PK
6	7414.8750	36.52	5.85	-36.28	51.18	57.27	74.00	16.73	Pass	H	PK
7	7414.8750	36.52	5.85	-36.28	41.10	47.19	54.00	6.81	Pass	H	AV
8	9886.5000	37.75	6.78	-36.87	41.26	48.92	74.00	25.08	Pass	H	PK

Mode:	GFSK	Channel:	2441.250
Remark:	/		

NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Magin [dB]	Result	Polarity	Remark
1	1778.5557	30.24	3.28	-36.80	45.13	41.85	74.00	32.15	Pass	V	PK
2	3295.4545	33.32	4.57	-36.80	44.03	45.12	74.00	28.88	Pass	V	PK
3	4943.2500	34.50	4.83	-36.22	51.70	54.81	74.00	19.19	Pass	V	PK
4	4943.2500	34.50	4.83	-36.22	43.22	46.33	54.00	7.67	Pass	V	AV
5	6438.1938	35.89	5.47	-36.28	42.00	47.08	74.00	26.92	Pass	V	PK
6	7414.8750	36.52	5.85	-36.28	44.17	50.26	74.00	23.74	Pass	V	PK
7	9886.5000	37.75	6.78	-36.87	40.69	48.35	74.00	25.65	Pass	V	PK

Mode:	GFSK	Channel:	2471.625
Remark:	/		

NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Magin [dB]	Result	Polarity	Remark
1	2207.4415	31.99	3.67	-36.61	48.24	47.29	74.00	26.71	Pass	H	PK
2	4567.9568	34.50	4.86	-36.31	42.92	45.97	74.00	28.03	Pass	H	PK
3	4882.5000	34.50	4.81	-36.10	54.83	58.04	74.00	15.96	Pass	H	PK
4	4882.5000	34.50	4.81	-36.10	45.39	48.60	54.00	5.40	Pass	H	AV
5	7323.7500	36.42	5.85	-36.41	50.42	56.28	74.00	17.72	Pass	H	PK
6	7323.7500	36.42	5.85	-36.41	40.67	46.53	54.00	7.47	Pass	H	AV
7	8286.0036	36.51	6.14	-36.58	44.10	50.17	74.00	23.83	Pass	H	PK
8	9765.0000	37.71	6.71	-36.83	42.33	49.92	74.00	24.08	Pass	H	PK

Mode:	GFSK	Channel:	2471.625
Remark:	/		

NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Magin [dB]	Result	Polarity	Remark
1	1750.1500	30.05	3.23	-36.78	46.89	43.39	74.00	30.61	Pass	V	PK
2	3020.4770	33.21	4.89	-36.78	44.90	46.22	74.00	27.78	Pass	V	PK
3	4882.5000	34.50	4.81	-36.10	49.68	52.89	74.00	21.11	Pass	V	PK
4	4882.5000	34.50	4.81	-36.10	39.27	42.48	54.00	11.52	Pass	V	AV
5	6429.4179	35.89	5.43	-36.29	43.12	48.15	74.00	25.85	Pass	V	PK
6	7323.7500	36.42	5.85	-36.41	44.05	49.91	74.00	24.09	Pass	V	PK
7	9765.0000	37.71	6.71	-36.83	41.38	48.97	74.00	25.03	Pass	V	PK

Adapter 2: CS6D059100FU

Mode:	GFSK	Channel:	2410.875
Remark:	/		

NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Magin [dB]	Result	Polarity	Remark
1	3214.5215	33.29	4.59	-36.73	45.05	46.20	74.00	27.80	Pass	H	PK
2	4821.750	34.50	4.60	-36.11	58.76	61.75	74.00	12.25	Pass	H	PK
3	4821.7500	34.50	4.60	-36.11	45.38	48.36	54.00	5.64	Pass	H	AV
4	5894.0894	35.63	5.06	-36.21	42.88	47.36	74.00	26.64	Pass	H	PK
5	7232.625	36.33	5.79	-36.43	45.68	51.37	74.00	22.63	Pass	H	PK
6	7232.6250	36.33	5.79	-36.43	35.34	41.02	54.00	12.98	Pass	H	AV
7	8563.9064	36.74	6.33	-36.42	44.24	50.89	74.00	23.11	Pass	H	PK
8	9643.500	37.66	6.71	-36.91	41.61	49.07	74.00	24.93	Pass	H	PK

Mode:	BLE GFSK	Channel:	2410.875
Remark:	/		

NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Magin [dB]	Result	Polarity	Remark
1	1747.3495	30.03	3.23	-36.78	48.59	45.07	74.00	28.93	Pass	V	PK
2	3214.5215	33.29	4.59	-36.73	45.54	46.69	74.00	27.31	Pass	V	PK
3	4821.750	34.50	4.60	-36.11	57.40	60.39	74.00	13.61	Pass	V	PK
4	4821.7500	34.50	4.60	-36.11	43.37	46.35	54.00	7.65	Pass	V	AV
5	7232.625	36.33	5.79	-36.43	44.09	49.78	74.00	24.22	Pass	V	PK
6	8367.9118	36.55	6.23	-36.54	44.09	50.33	74.00	23.67	Pass	V	PK
7	9643.500	37.66	6.71	-36.91	42.30	49.76	74.00	24.24	Pass	V	PK

Mode:	GFSK	Channel:	2441.250
Remark:	/		

NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Magin [dB]	Result	Polarity	Remark
1	3230.1230	33.29	4.53	-36.77	45.47	46.52	74.00	27.48	Pass	H	PK
2	4882.5000	34.50	4.81	-36.10	52.94	56.15	74.00	17.85	Pass	H	PK
3	4882.5000	34.50	4.81	-36.10	33.09	36.30	54.00	17.70	Pass	H	AV
4	6754.1254	36.00	5.69	-36.22	43.14	48.61	74.00	25.39	Pass	H	PK
5	7323.7500	36.42	5.85	-36.41	47.59	53.45	74.00	20.55	Pass	H	PK
6	7323.7500	36.42	5.85	-36.41	32.62	38.48	54.00	15.52	Pass	H	AV
7	8152.4152	36.46	6.42	-36.44	43.56	50.00	74.00	24.00	Pass	H	PK
8	9765.0000	37.71	6.71	-36.83	42.63	50.22	74.00	23.78	Pass	H	PK

Mode:	GFSK	Channel:	2441.250
Remark:	/		

NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Magin [dB]	Result	Polarity	Remark
1	1954.1908	31.40	3.42	-36.84	45.52	43.50	74.00	30.50	Pass	V	PK
2	3255.4755	33.30	4.46	-36.81	45.84	46.79	74.00	27.21	Pass	V	PK
3	4882.500	34.50	4.81	-36.10	53.18	56.39	74.00	17.61	Pass	V	PK
4	4882.5000	34.50	4.81	-36.10	42.47	45.68	54.00	8.32	Pass	V	AV
5	6321.1821	35.86	5.46	-36.18	42.44	47.58	74.00	26.42	Pass	V	PK
6	7323.750	36.42	5.85	-36.41	46.21	52.07	74.00	21.93	Pass	V	PK
7	7323.7500	36.42	5.85	-36.41	36.31	42.17	54.00	11.83	Pass	V	AV
8	9765.000	37.71	6.71	-36.83	42.84	50.43	74.00	23.57	Pass	V	PK

Mode:	BLE GFSK	Channel:	2471.625
Remark:	/		

NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Magin [dB]	Result	Polarity	Remark
1	3295.4545	33.32	4.57	-36.80	45.09	46.18	74.00	27.82	Pass	H	PK
2	4464.5965	34.45	4.77	-36.22	43.31	46.31	74.00	27.69	Pass	H	PK
3	4943.250	34.50	4.83	-36.22	55.40	58.51	74.00	15.49	Pass	H	PK
4	4943.2500	34.50	4.83	-36.22	44.84	47.95	54.00	6.05	Pass	H	AV
5	6850.6601	36.04	5.50	-36.37	43.87	49.04	74.00	24.96	Pass	H	PK
6	7414.875	36.52	5.85	-36.28	47.81	53.90	74.00	20.10	Pass	H	PK
7	7414.8750	36.51	5.85	-36.28	37.90	43.98	54.00	10.02	Pass	H	AV
8	9886.500	37.75	6.78	-36.87	42.03	49.69	74.00	24.31	Pass	H	PK

Mode:	BLE GFSK	Channel:	2471.625
Remark:	/		

NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Magin [dB]	Result	Polarity	Remark
1	3692.3192	33.55	4.26	-36.22	43.62	45.21	74.00	28.79	Pass	H	PK
2	4943.250	34.50	4.83	-36.22	53.39	56.50	74.00	17.50	Pass	H	PK
3	4943.2500	34.50	4.83	-36.22	44.99	48.10	54.00	5.90	Pass	H	AV
4	5851.1851	35.56	5.08	-36.01	42.94	47.57	74.00	26.43	Pass	H	PK
5	7414.875	36.52	5.85	-36.28	44.23	50.32	74.00	23.68	Pass	H	PK
6	8498.5749	36.60	6.49	-36.45	43.62	50.26	74.00	23.74	Pass	H	PK
7	9886.500	37.75	6.78	-36.87	41.54	49.20	74.00	24.80	Pass	H	PK

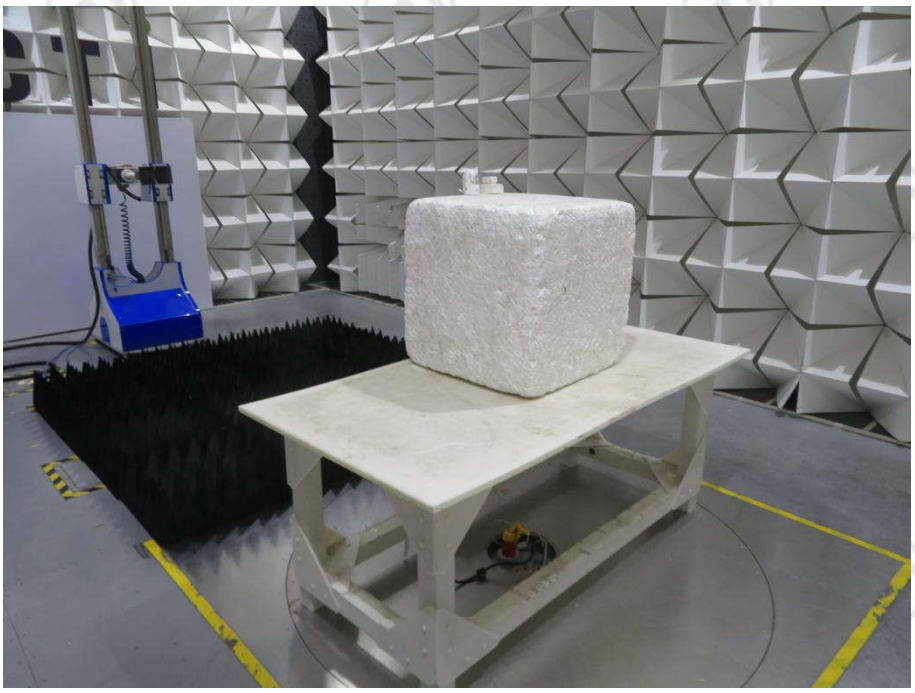
Note:
1) As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. So, only the peak values are measured.
2) 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
4) Scan from 9kHz to 25GHz, the disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

PHOTOGRAPHS OF TEST SETUP

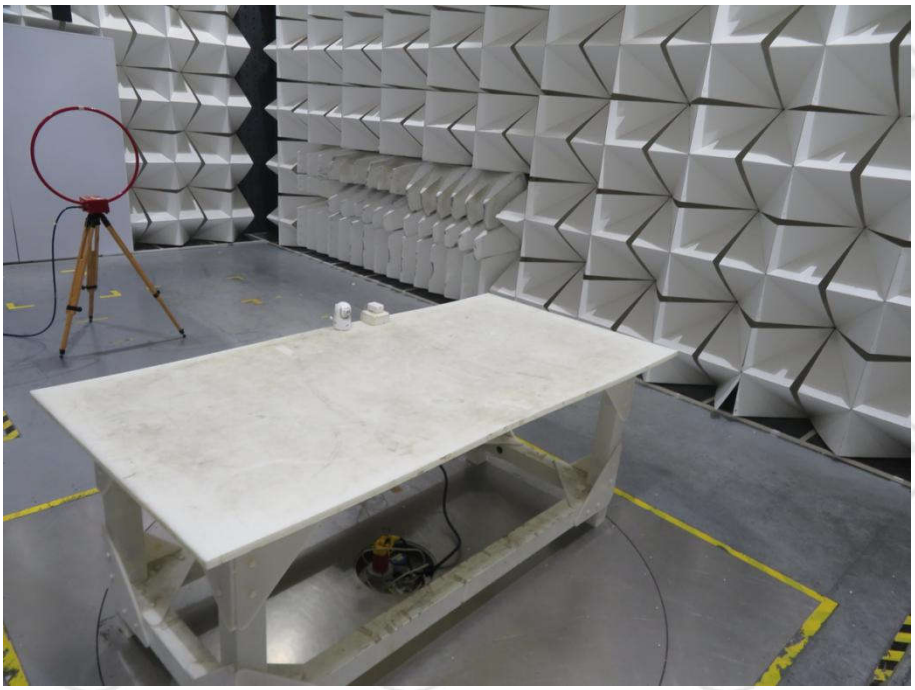
Test model No.:DXR-8

Adapter 1: BLJ06W059100P1-U

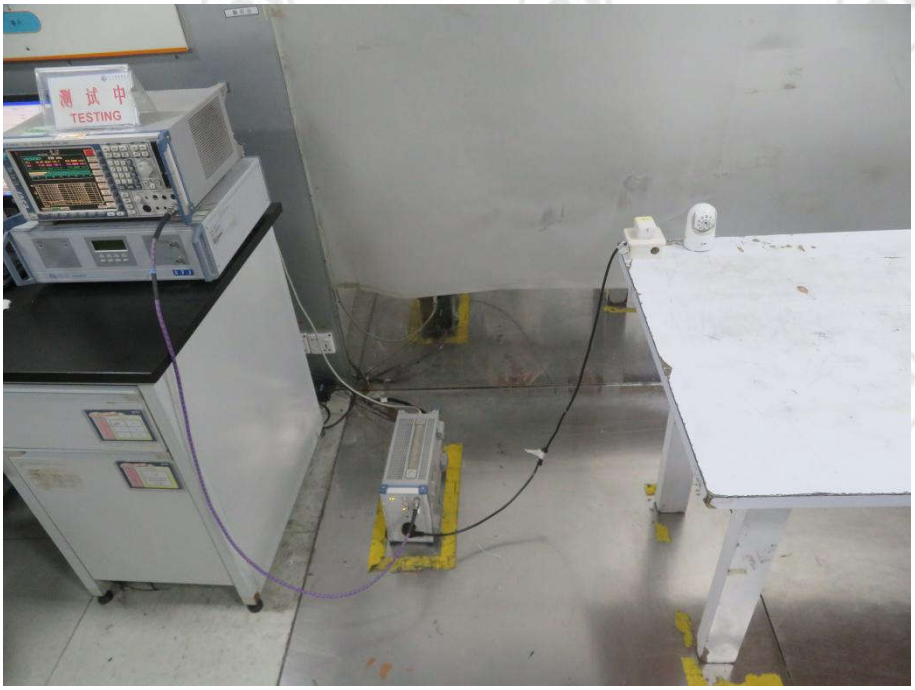
Radiated spurious emission Test Setup-1(Below 1GHz)



Radiated spurious emission Test Setup-2(Above 1GHz)



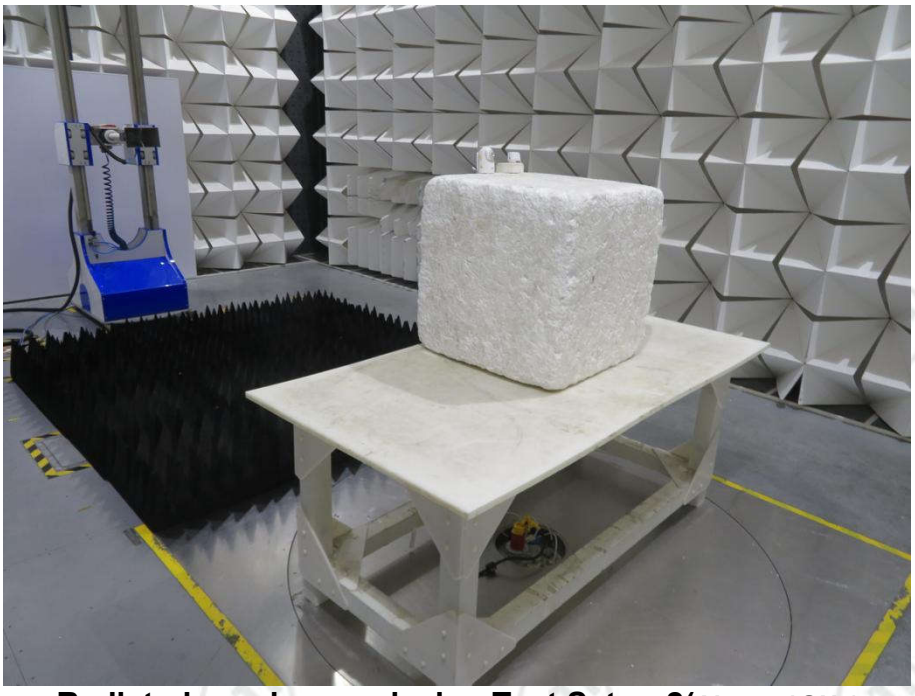
Radiated spurious emission Test Setup-3(Below 30MHz)



Conducted Emissions Test Setup

Adapter 2: CS6D059100FU

Radiated spurious emission Test Setup-1(Below 1GHz)



Radiated spurious emission Test Setup-2(Above 1GHz)

Radiated spurious emission Test Setup-3(Below 30MHz)

Conducted Emissions Test Setup

PHOTOGRAPHS OF EUT Constructional Details

Test model No.:DXR-8

View of Product-1

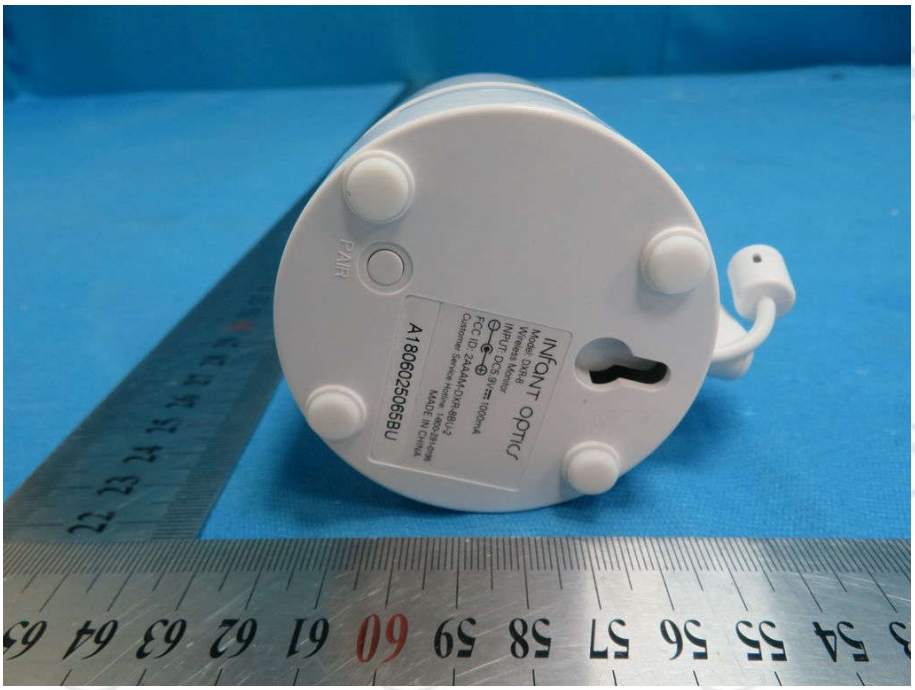
View of Product-2

View of Product-3

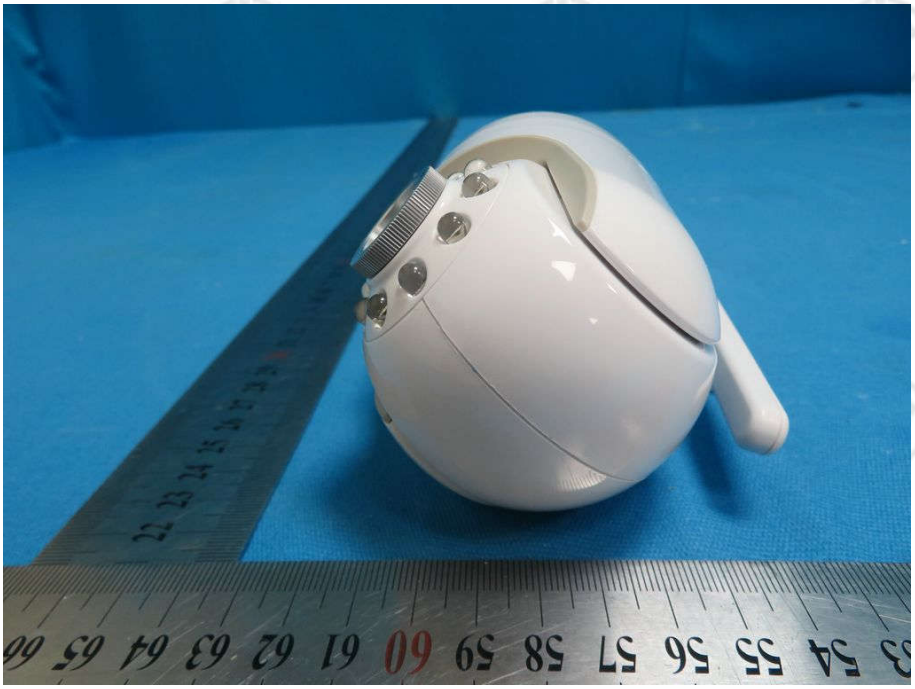
View of Product-4

View of Product-5

View of Product-6

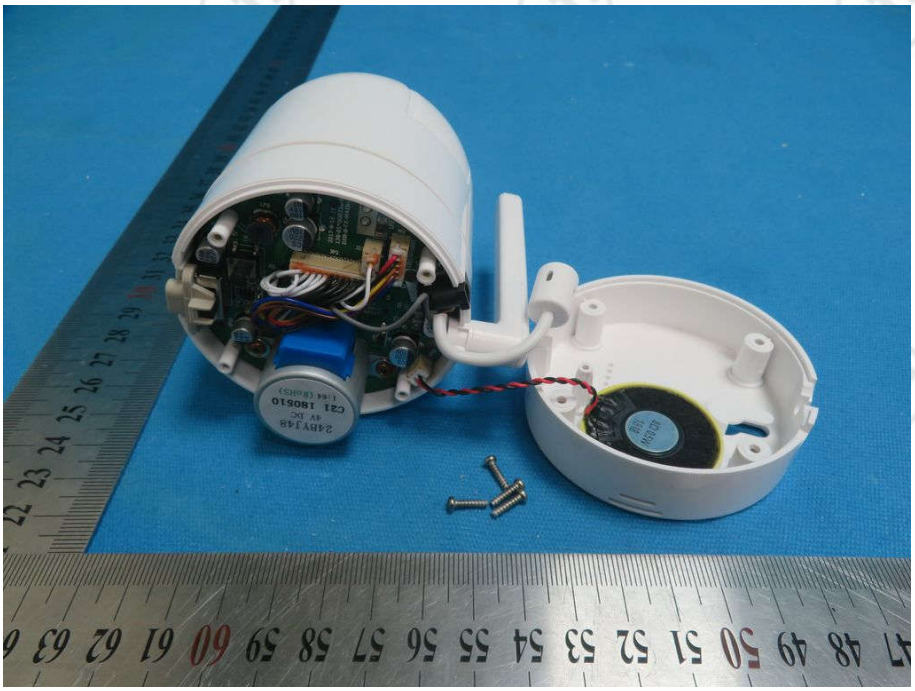


View of Product-7

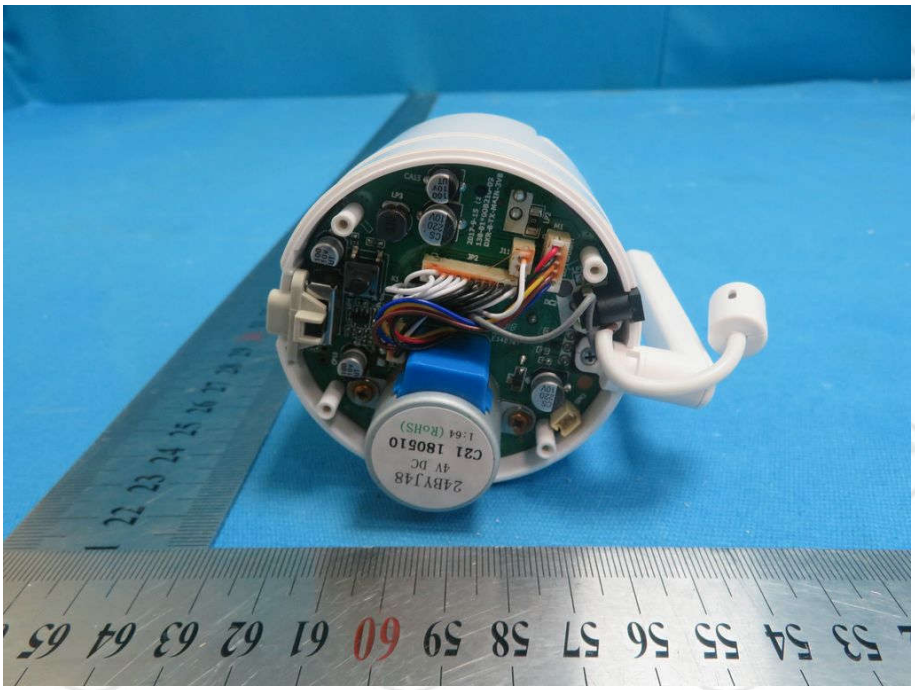


View of Product-8

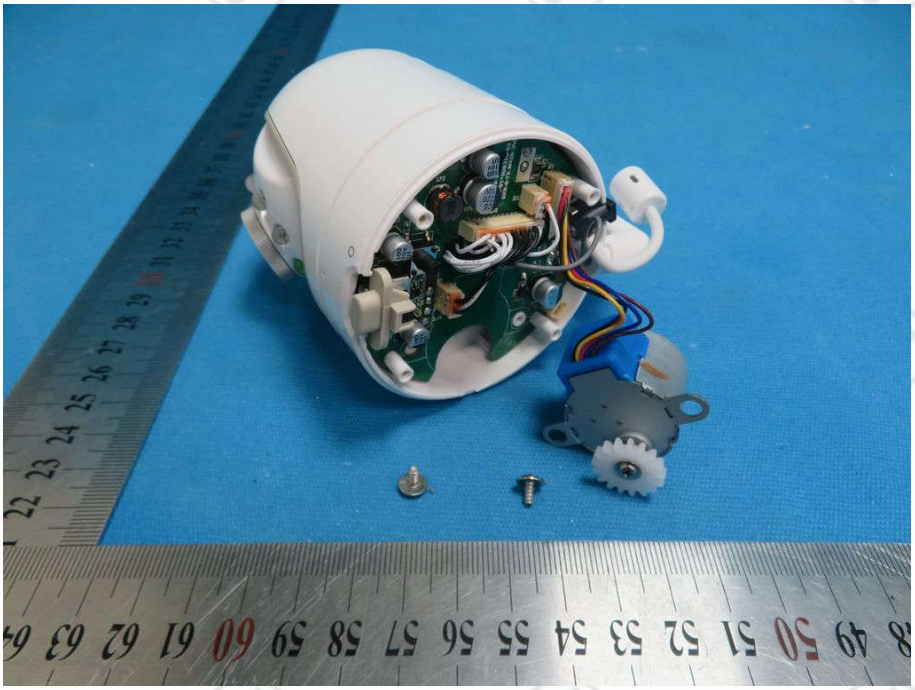
View of Product-9



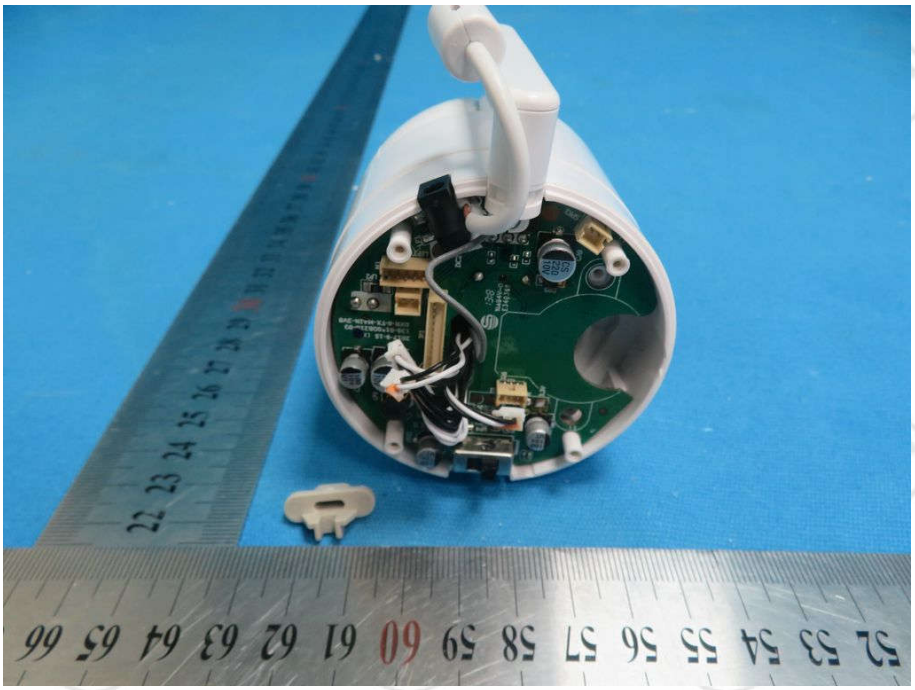
View of Product-10



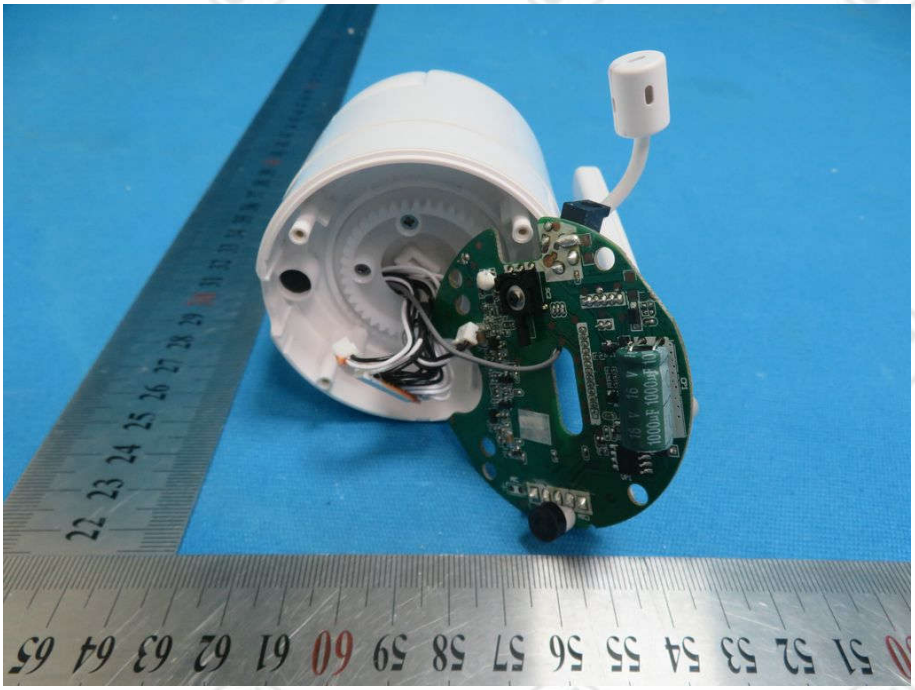
View of Product-11



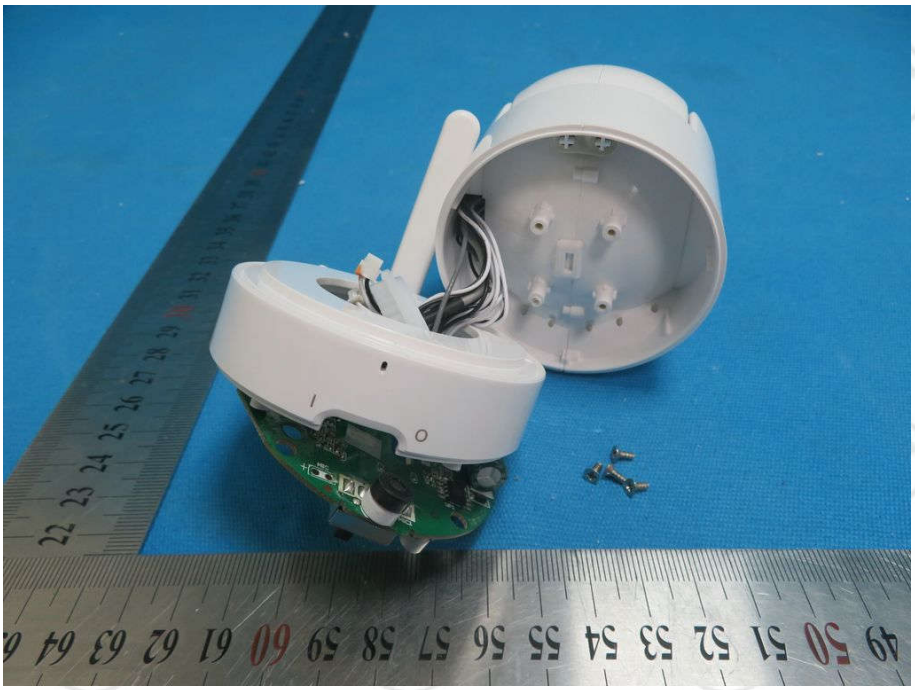
View of Product-12



View of Product-13

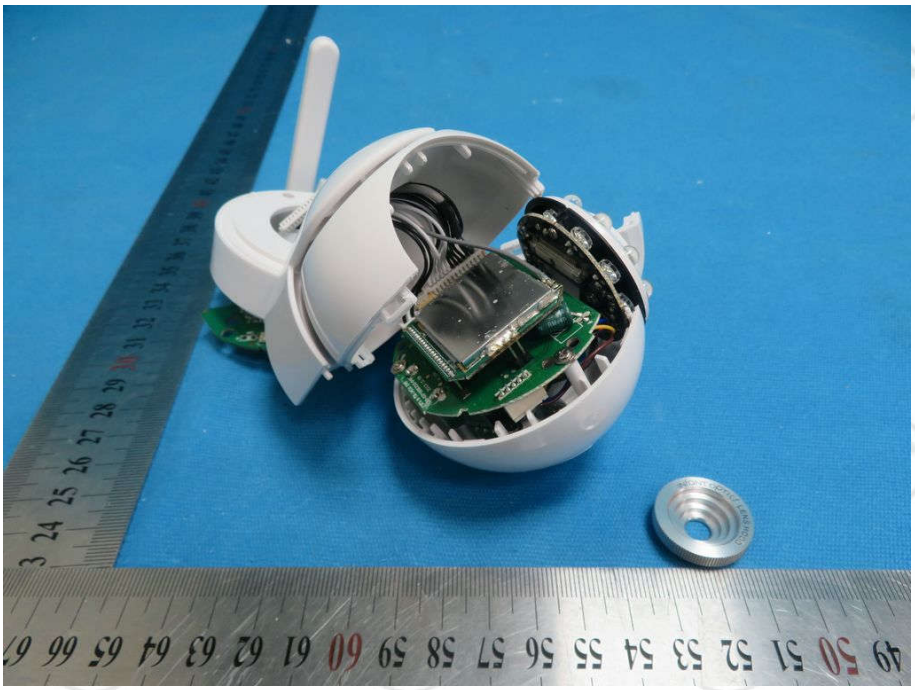


View of Product-14



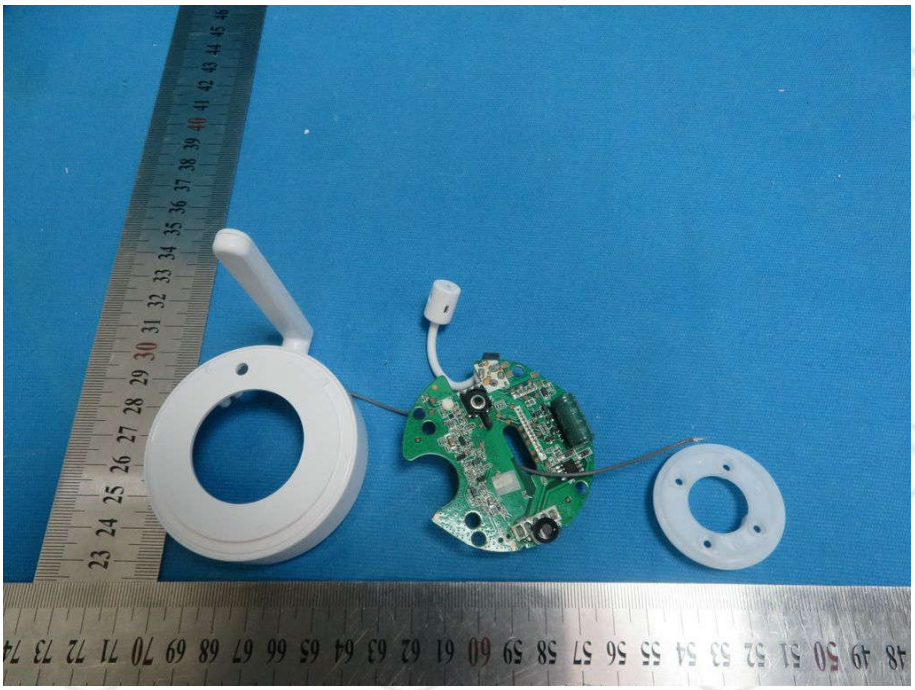
View of Product-15

View of Product-16

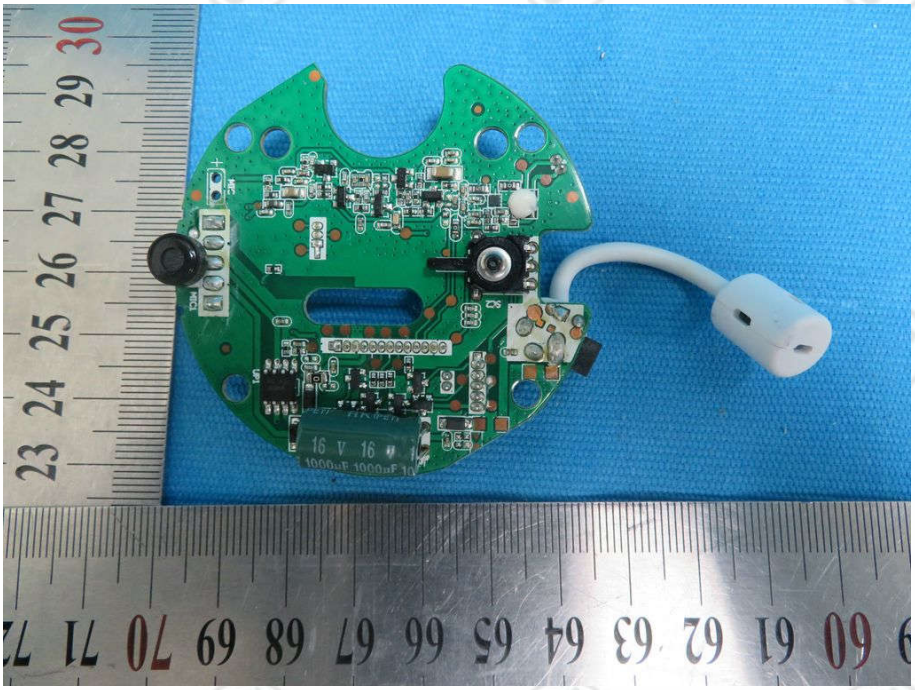


View of Product-17

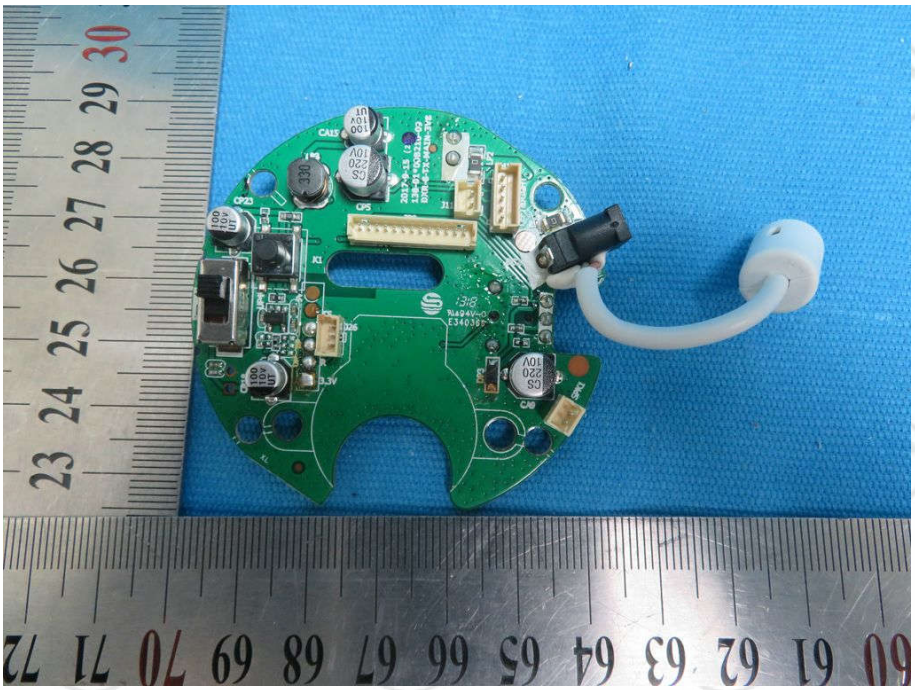
View of Product-18



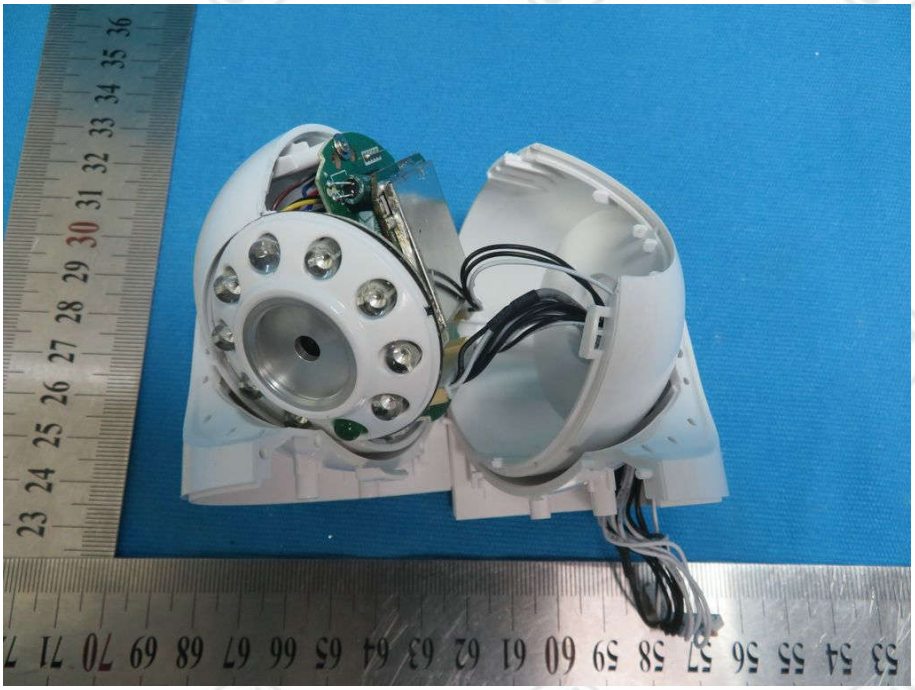
View of Product-19



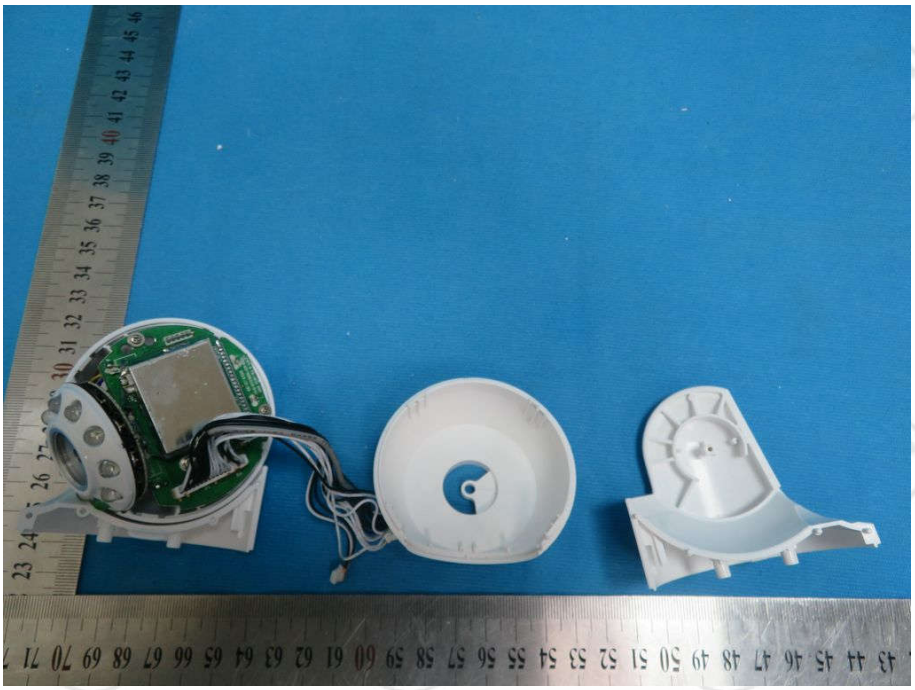
View of Product-20



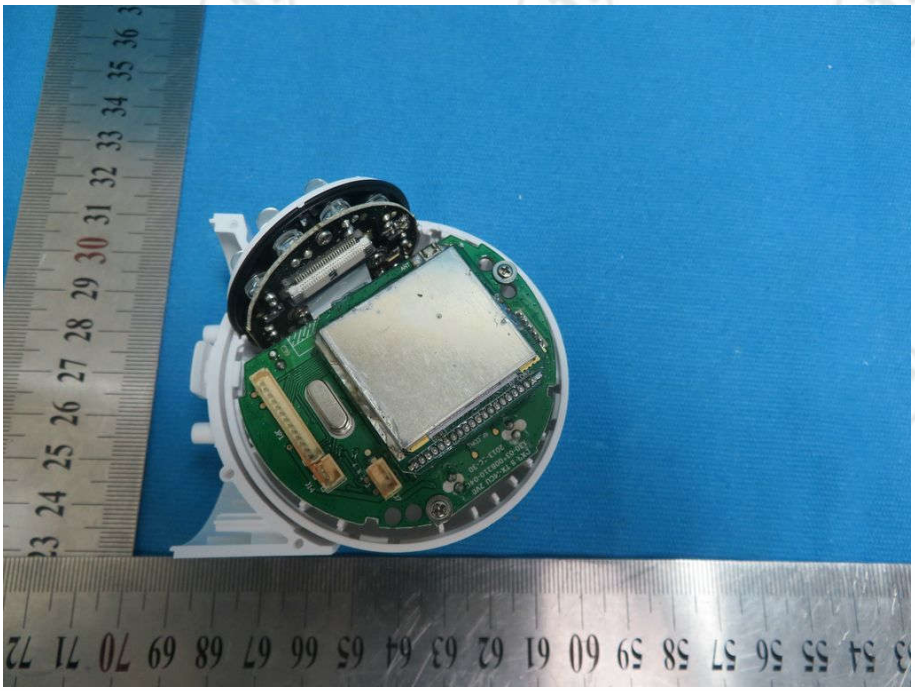
View of Product-21



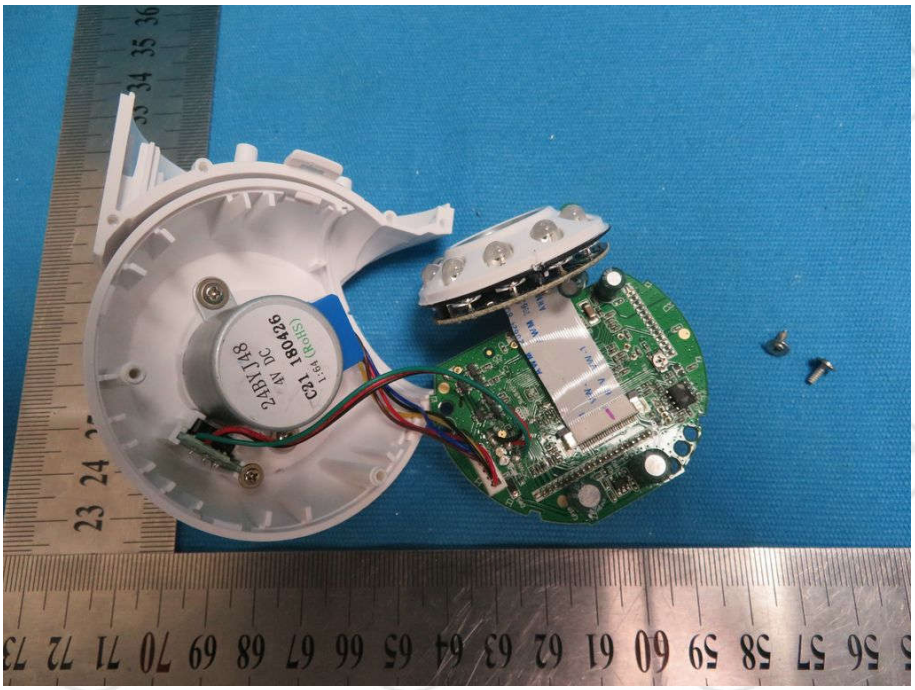
View of Product-22



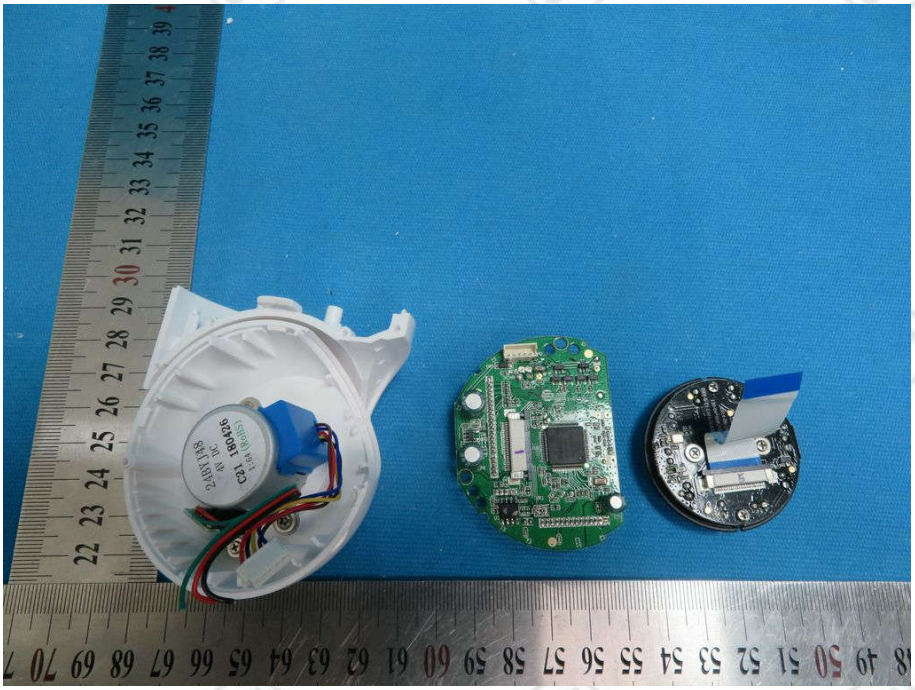
View of Product-23



View of Product-24



View of Product-25



View of Product-26