

TEST REPORT

Applicant : SHENZHEN KEYCEO TECH CO.,LIMITED

Address : Room 705-706, 12th Building, South Bank Plaza, Exhibition Bay,
Zhancheng Community, Fuhai Street, Bao'an District, Shenzhen

Manufacturer : DONGGUAN MINGJIAN MOULD CO.,LTD

Address : ROOM 103.BUILDING 1,NO.11 FENGPING ROAD, SANZHONG
VILLAGE QINGXI TOWN, 523651 DONGGUAN, GUANGDONG,
CHINA

Product Name : Office keyboard

Model Number : KB-K884-DM, KY-K884

Trademark : N/A

FCC ID : 2BTVN-KB-K884-DM

Test Date : Jul. 27, 2026

Date of Report : Jul. 27, 2026 to Aug. 06, 2026

Test Result : This device described above has been tested by NTT, and the test results show that the equipment under test (EUT) is in compliance with the Standard requirements. And it is applicable only to the tested sample identified in the report.

Test Procedure Used:

Standards : FCC CFR Title 47 Part 15 Subpart C Section 15.249
ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to
C63.10a-2024

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Report No.: SZNTT26035982E1-2

[illegible]

1. General Information

1.1. Description of Device (EUT)

EUT Name : Office keyboard
Model No. : KB-K884-DM, KY-K884
Model Difference : All the model are the same circuit and RF module, only the names are different.
Test sample model: KB-K884-DM
Power supply : DC 3.7V by battery
Operation frequency : 2402-2480MHz
Modulation : GFSK
Antenna Type : PCB antenna, Maximum Gain is -0.76dBi
Intend use environment : Residential, commercial and light industrial environment

1.2. Channel List

CH No.	Frequency (MHz)	CH No.	Frequency (MHz)	CH No.	Frequency (MHz)	CH No.	Frequency (MHz)
0	2402	1	2440	2	2480	/	/

1.3.Summary of test result

RF PART		
Test Items	Test Requirement	Result
Antenna requirement	FCC part 15.203	PASS
AC Power Line Conducted Emission	FCC part 15.207	PASS
Field strength of the fundamental signal	FCC part 15.249 (a)	PASS
Spurious Emission	FCC part 15.249 (a) (d)/15.209	PASS
Band Edge	FCC part 15.249 (d)/15.205	PASS
20dB Occupied Bandwidth	FCC part 15.215 (c)	PASS
Remark: N/A is an abbreviation for Not Applicable. Measurement Uncertainty is not taken into account for conformity statement		

1.4.Special Accessories and Auxiliary Equipment

Description	Manufacturer	Model No.	Hardware Version	Software Version
Laptop	/	/	/	/
Adapter	/	/	/	/

1.5.Test mode

The special RF test software was used to control EUT work in Continuous TX mode, and select test channel, wireless mode.

Test mode	Channel
GFSK	2402MHz
GFSK	2440MHz
GFSK	2480MHz

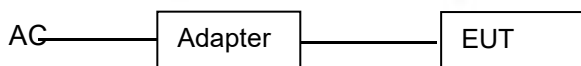
Note: Only the worst Data Record in the report

1.6. Test configuration

Transmitting mode	Keep the EUT in continuously transmitting mode.
Remark: During the test, the test voltage was tuned from 85% to 115% of the nominal rated supply voltage, and found that the worst case was under the nominal rated supply condition. So the report just shows that condition's data.	
Test Software	Engineering mode
Power level setup	Default

1.7.Block Diagram

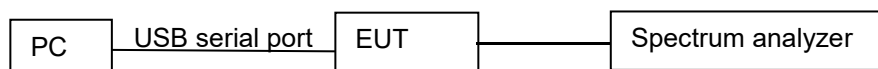
Conducted Emission



Radiated Emission



RF Conducted Test



1.8.Test Conditions

Category	Normal Conditions	Extreme Conditions
Temperature range	15-35℃	N/A
Humidity range	20-75%	N/A
Pressure range	86-106kPa	N/A
Power supply	DC 3V	N/A

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

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

Parameter	Uncertainty
RF output power, conducted	±1.0dB
Power Spectral Density, conducted	±2.2dB
Radio Frequency	± 1 x 10 ⁻⁶
Bandwidth	± 1.5 x 10 ⁻⁶
Time	±2%
Duty Cycle	±2%
Temperature	±1℃
Humidity	±5%
DC and low frequency voltages	±3%
Conducted Emissions (150kHz~30MHz)	±3.64dB
Radiated Emission(9KHz~30MHz)	±4.51dB
Radiated Emission(30MHz~1GHz)	±5.03dB
Radiated Emission(1GHz~25GHz)	±4.74dB

Remark:When making a conformity declaration based on test results for regulations/standards or specifications,the default is to use Clause 4.2.1of ILAC-G8:09/2019 and the guidelines on decision rules and conformity declaration in IEC Guide 115:2023.

1.10.Test Facility

Site Description		
Name of Firm	:	Shenzhen NTT Testing Technology Co.,Ltd.
Site Location	:	1B, Building 2, Factory Building & 103, Building 3, Factory Building, Dayang Industrial Park No.4, Industrial Avenue, Tangwei Community, Fuhai Sub-district, Bao 'an District, Shenzhen City, China
FCC Designation Number	:	CN3446
FCC Test Firm Registration Number	:	129414

1.11.Test Equipment

Radiated Test Site(Below 1G and Above 1G)&RF Test Site

Name	Model No.	Serial No.	Manufacturer	Date of Cal.	Due Date
966 Shielded Room	966 Room	/	EMToni	2025/7/24	2028/7/23
EMI Test Receiver	ESCI	101018	RS	2025/9/8	2026/9/7
Amplifier (30MHz-1GHz)	BBV 9718D	00042	SCHWARZBECK	2025/9/8	2026/9/7
Bilog Antenna (30MHz-1GHz)	VULB9168	1858	SCHWARZBECK	2025/9/9	2026/9/8
Horn antenna (1GHz-18GHz)	BBHA 9120 D	02622	SCHWARZBECK	2025/9/9	2026/9/8
Preamplifier (1GHz-18GHz)	BBV 9718D	0024	SCHWARZBECK	2025/9/8	2026/9/7
Spectrum Analyzer (10Hz-40GHz)	FSV 40	100952	Rohde & Schwarz	2025/9/8	2026/9/7
Preamplifier (18GHz-40GHz)	BBV 9721	0056	SCHWARZBECK	2025/9/8	2026/9/7
Double Ridge Guide Horn Antenna (18GHz-40GHz)	SAS-574	588	A.H.System	2025/9/8	2026/9/7
Loop Antenna (9KHz-30MHz)	FMZB1519B	014	SCHWARZBECK	2025/9/8	2026/9/7
Amplifier (9KHz-30MHz)	CVP 9222 C	00109	SCHWARZBECK	2025/9/8	2026/9/7
MXG Signal Analyzer	N9020A	MY505102 02	Agilent	2025/9/8	2026/9/7
MXG Vector Signal Generator	N5182A	MY501400 20	Agilent	2025/9/8	2026/9/7
MXG Analog Signal Generator	N5181A	MY474209 19	Agilent	2025/9/8	2026/9/7
Power Sensor	TR1029-2	512364	Techoy	2025/9/8	2026/9/7
RF Switch	TR1029-1	512364	Techoy	2025/9/8	2026/9/7
Cable	DA800- 4000MM	NA	DA	2025/9/8	2026/9/7
Cable	DA800- 11000MM	NA	DA	2025/9/8	2026/9/7

Test software

Item	Name	Manufacturer	Model	Software version
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1	EMC Conduction Test System	FALA	EZ-EMC	Ver.EMC-CON 3A1.1+
2	EMC radiation test system	FALA	EZ-EMC	Ver.FA-03A2 RE+
3	RF test system	TACHOY	RFTest	V1.0.0
4	RF communication test system	TACHOY	RFTest	V1.0.0

2. Conducted emission at the mains terminals test

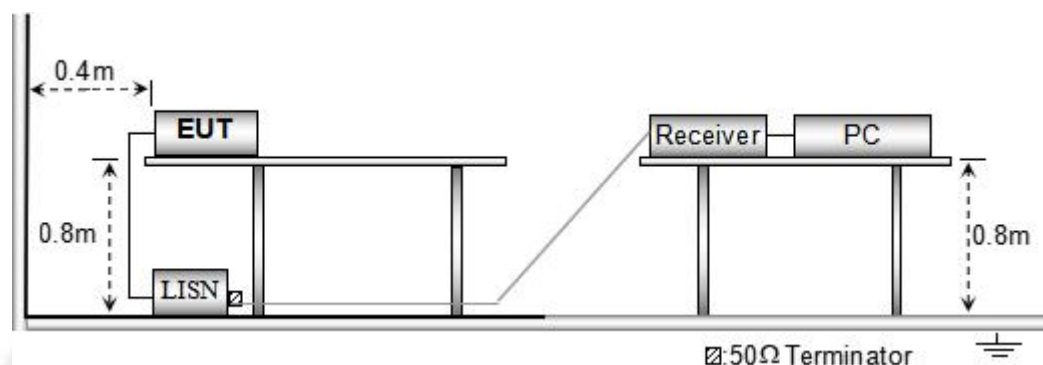
2.1.Limit

Test Requirement:	FCC Part15 C Section 15.207
Test Method:	ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024
Test Frequency Range:	150KHz to 30MHz
Receiver setup:	RBW=9KHz, VBW=30KHz, Sweep time=auto

Frequency MHz	Limits dB(μV)	
	Quasi-peak Level	Average Level
0.15 ~ 0.50	66 ~ 56*	56 ~ 46*
0.50 ~ 5.00	56	46
5.00 ~ 30.00	60	50

Notes: 1. *Decreasing linearly with logarithm of frequency.
2. The lower limit shall apply at the transition frequencies.

2.2.Test Setup



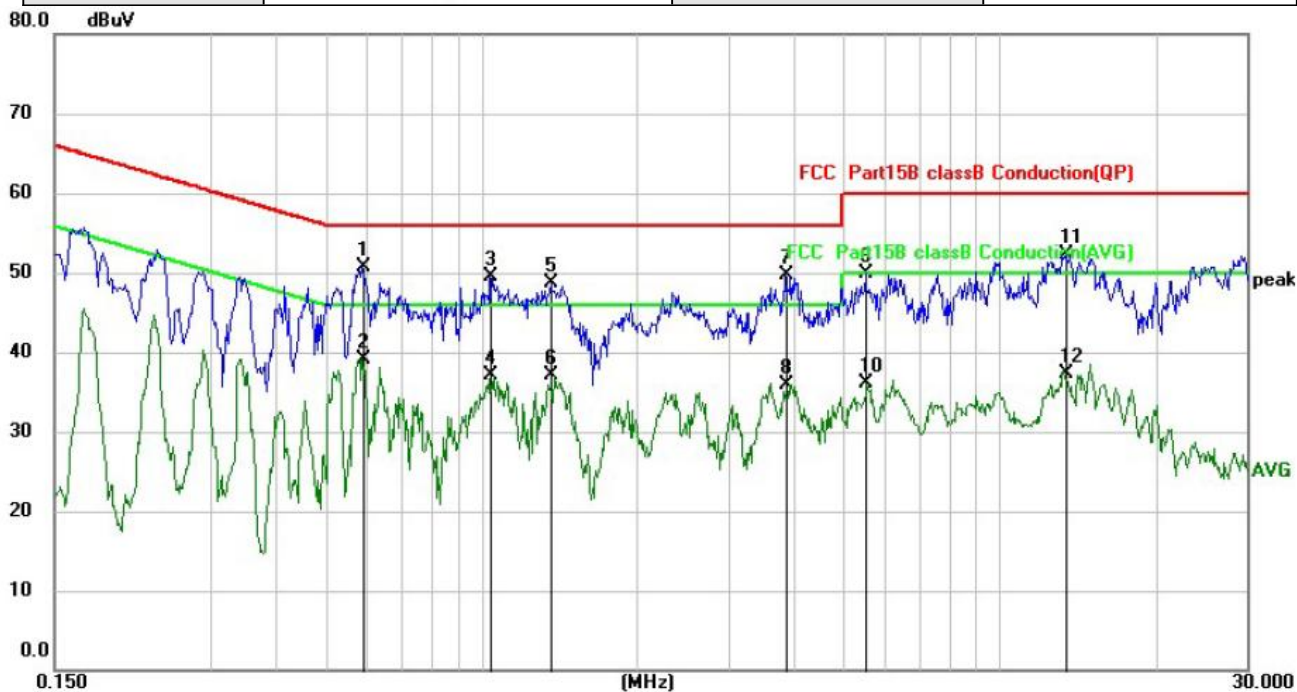
2.3.Test Procedure

1. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
2. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
3. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
4. LISN at least 80 cm from nearest part of EUT chassis.
5. For the actual test configuration, please refer to the related Item - EUT Test Photos.

2.4.Test Result

Conducted Emission At The Mains Terminals Test Data

Temperature:	25.1°C	Relative Humidity:	56%
Pressure:	1008hPa	Phase :	Line
Test Voltage :	DC 5V from Adapter Input AC 120V/60Hz	Test Mode:	GFSK-2402MHz



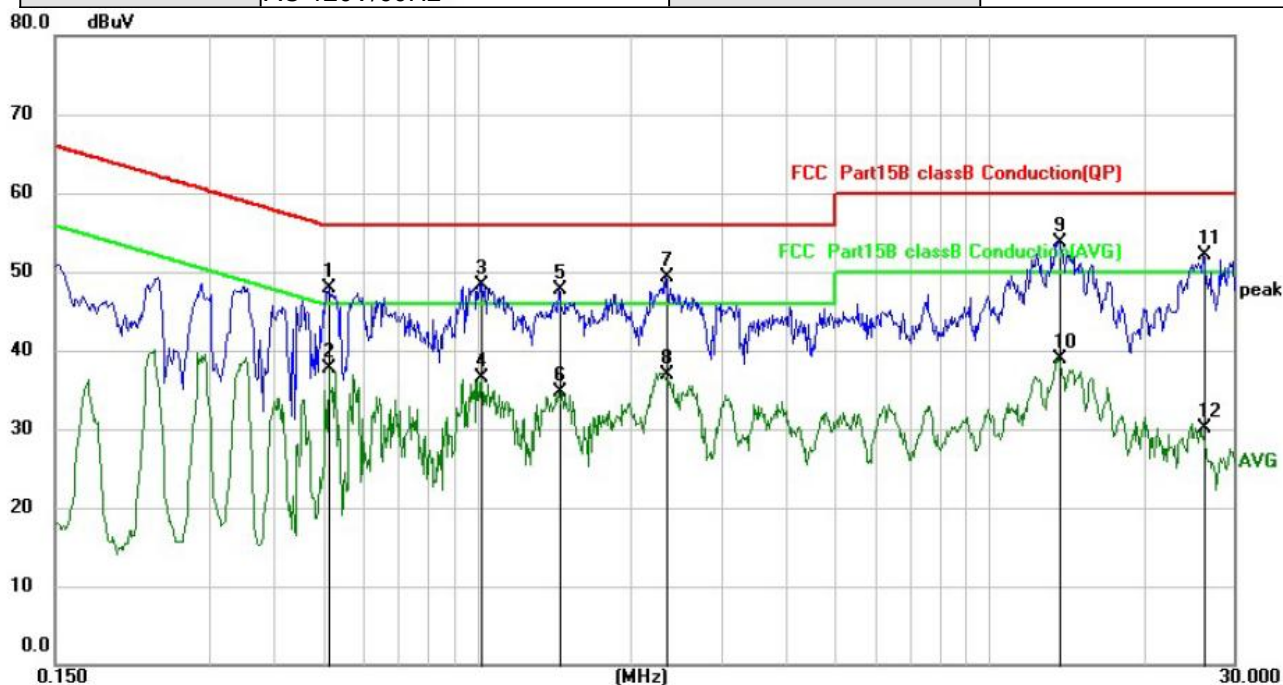
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1	*	0.5899	40.47	10.22	50.69	56.00	-5.31	QP
2		0.5899	28.79	10.22	39.01	46.00	-6.99	AVG
3		1.0420	39.14	10.31	49.45	56.00	-6.55	QP
4		1.0420	26.84	10.31	37.15	46.00	-8.85	AVG
5		1.3660	38.35	10.38	48.73	56.00	-7.27	QP
6		1.3660	26.73	10.38	37.11	46.00	-8.89	AVG
7		3.8740	38.52	11.22	49.74	56.00	-6.26	QP
8		3.8740	24.76	11.22	35.98	46.00	-10.02	AVG
9		5.5179	37.99	11.87	49.86	60.00	-10.14	QP
10		5.5179	24.16	11.87	36.03	50.00	-13.97	AVG
11		13.4739	36.70	15.64	52.34	60.00	-7.66	QP
12		13.4739	21.71	15.64	37.35	50.00	-12.65	AVG

Note:

1. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
2. Margin = Reading level + Correct Factor - Limit
3. All the modes have tested and recorded the worst mode(GFSK-2402MHz) in the report

Conducted Emission At The Mains Terminals Test Data

Temperature:	25.1℃	Relative Humidity:	56%
Pressure:	1008hPa	Phase :	Neutral
Test Voltage :	DC 5V from Adapter Input AC 120V/60Hz	Test Mode:	GFSK-2402MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1		0.5140	37.71	10.20	47.91	56.00	-8.09	QP
2		0.5140	27.46	10.20	37.66	46.00	-8.34	AVG
3		1.0180	38.07	10.30	48.37	56.00	-7.63	QP
4		1.0180	26.14	10.30	36.44	46.00	-9.56	AVG
5		1.4457	37.36	10.40	47.76	56.00	-8.24	QP
6		1.4457	24.30	10.40	34.70	46.00	-11.30	AVG
7		2.3380	38.71	10.65	49.36	56.00	-6.64	QP
8		2.3380	26.18	10.65	36.83	46.00	-9.17	AVG
9	*	13.6737	38.01	15.74	53.75	60.00	-6.25	QP
10		13.6737	23.17	15.74	38.91	50.00	-11.09	AVG
11		26.1500	30.31	21.73	52.04	60.00	-7.96	QP
12		26.1500	8.30	21.73	30.03	50.00	-19.97	AVG

Note:

1. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
2. Margin = Reading level + Correct Factor - Limit
3. All the modes have tested and recorded the worst mode(GFSK-2402MHz) in the report

3. Radiated Spurious Emissions

3.1.Limit

Test Requirement: FCC CFR47 Part 15 Section 15.209 & 15.249
 Test Method: ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024
 Test Result: PASS
 Measurement Distance: 3m

Frequency	Detector	RBW	VBW	Value
9KHz-150KHz	Quasi-peak	200Hz	600Hz	Quasi-peak
150KHz-30MHz	Quasi-peak	9KHz	30KHz	Quasi-peak
30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak
Above 1GHz	Peak	1MHz	3MHz	Peak
	Peak	1MHz	10Hz	Average

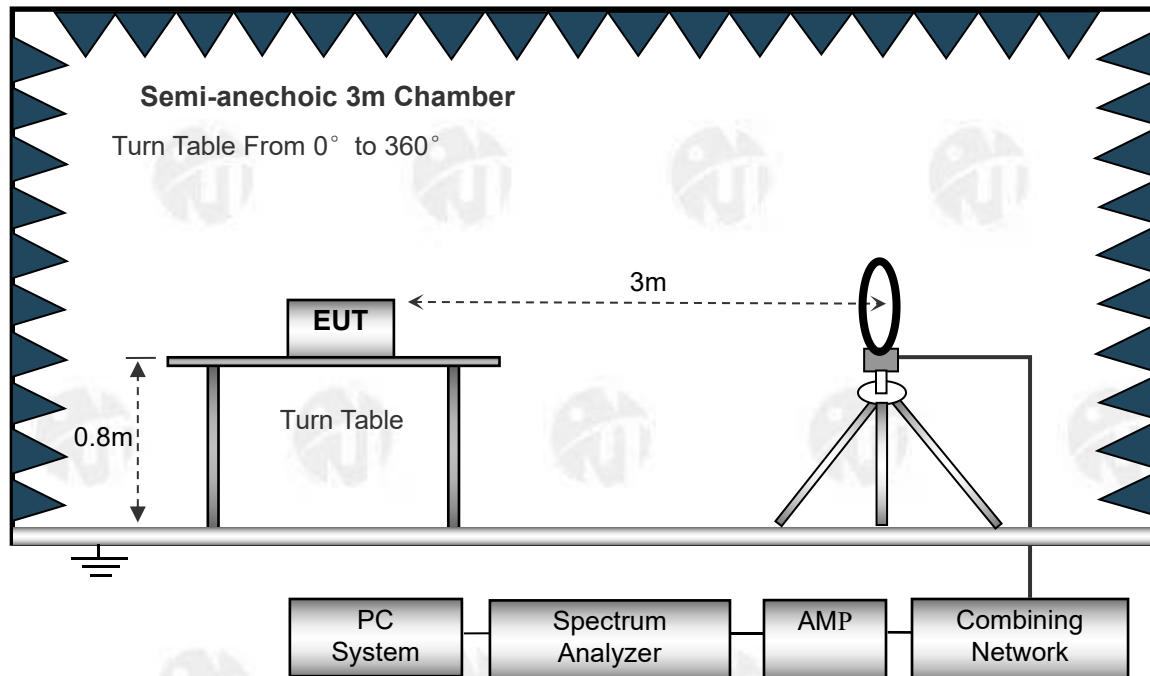
Limit:

Frequency (MHz)	Field Strength		Field Strength Limit at 3m Measurement Dist	
	uV/m	Distance (m)	uV/m	dBuV/m
0.009 ~ 0.490	$2400/F(\text{kHz})$	300	$10000 * 2400/F(\text{kHz})$	$20\log(2400/F(\text{kHz})) + 80$
0.490 ~ 1.705	$24000/F(\text{kHz})$	30	$100 * 24000/F(\text{kHz})$	$20\log(24000/F(\text{kHz})) + 40$
1.705 ~ 30	30	30	$100 * 30$	$20\log(30) + 40$
30 ~ 88	100	3	100	$20\log(100)$
88 ~ 216	150	3	150	$20\log(150)$
216 ~ 960	200	3	200	$20\log(200)$
Above 960	500	3	500	$20\log(500)$

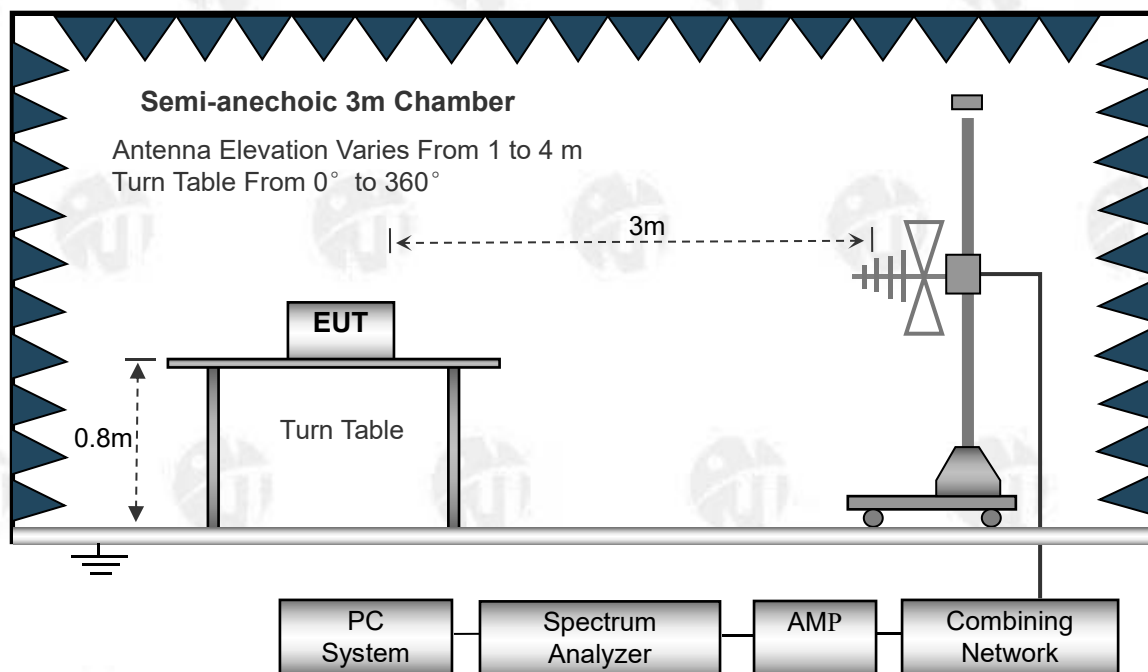
3.2.Test Setup

The radiated emission tests were performed in the 3m Semi- Anechoic Chamber test site, using the setup accordance with the ANSI C63.10.

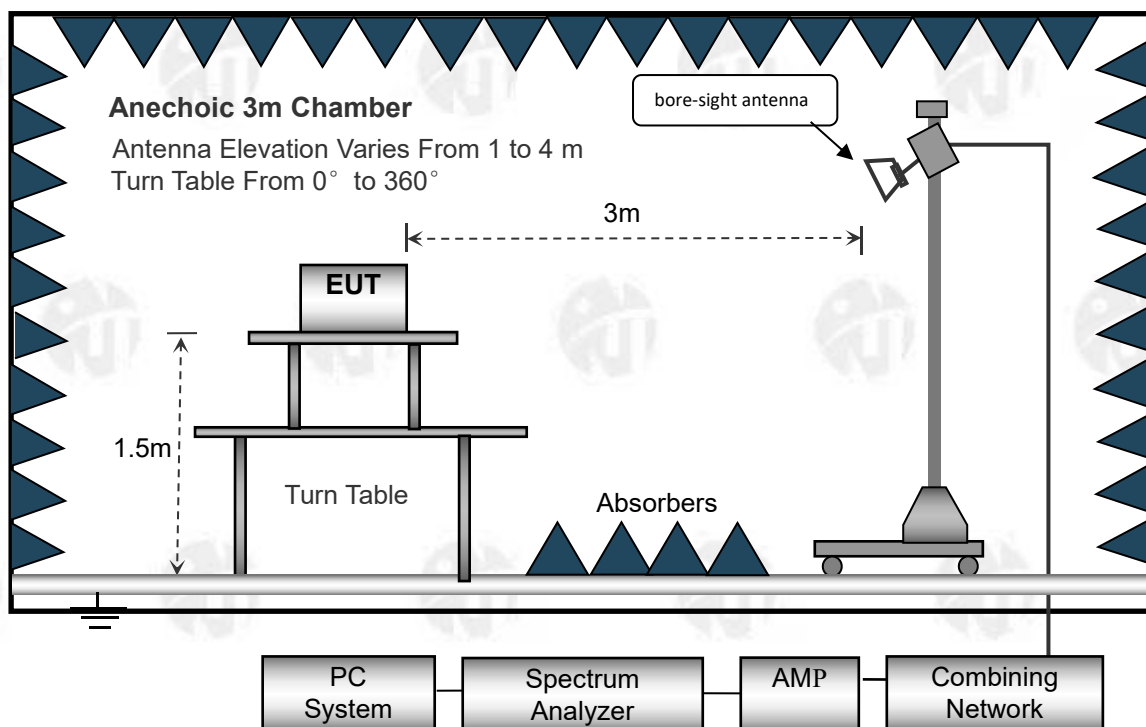
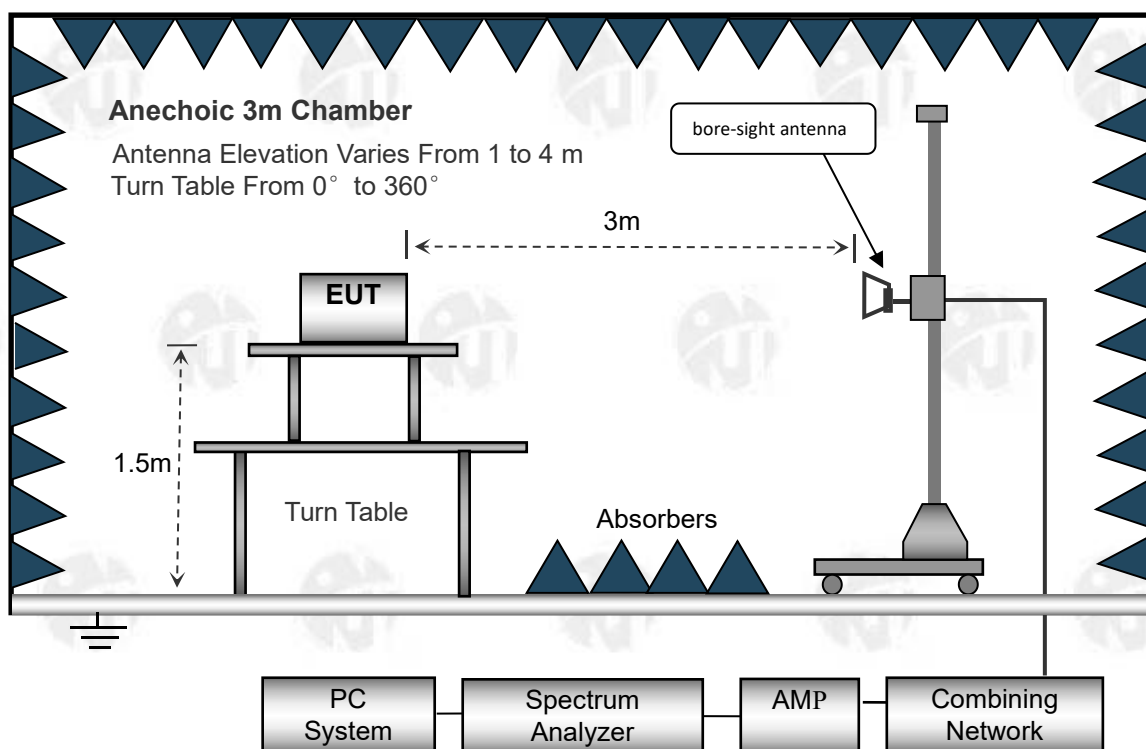
The test setup for emission measurement below 30MHz.



The test setup for emission measurement from 30 MHz to 1 GHz.



The test setup for emission measurement above 1 GHz.



3.3.Test Procedure

1. The EUT is placed on a turntable, which is 0.8m above ground plane for below 1GHz and 1.5m for above 1GHz.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is moved from 1m to 4m to find out the maximum emissions.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
6. Repeat above procedures until the measurements for all frequencies are complete.
7. The radiation measurements are performed in X,Y and Z axis positioning(X denotes lying on the table, Y denotes side stand and Z denotes vertical stand),the worst condition was tested putting the eut in Z axis,so the worst data were shown as follow.
8. A 2.4GHz high - pass filter is used during radiated emissions above 1GHz measurement.

3.4.Test Result

Test Frequency: 9KHz~30MHz

The measurements were more than 20 dB below the limit and not reported.

Test Frequency : 30MHz ~ 1GHz

Radiation Emission Test Data			
Temperature:	25.2℃	Relative Humidity:	53%
Pressure:	1008hPa	Phase :	Horizontal
Test Voltage :	DC 3.7V	Test Mode:	GFSK-2402MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB/m	Over dB	Detector
1		208.2148	38.59	-6.18	32.41	43.50	-11.09	QP
2		275.6398	37.20	-3.61	33.59	46.00	-12.41	QP
3	*	416.1791	40.83	-0.60	40.23	46.00	-5.77	QP
4		483.0617	34.34	0.63	34.97	46.00	-11.03	QP
5		775.5169	28.53	8.03	36.56	46.00	-9.44	QP
6		948.7609	28.48	9.30	37.78	46.00	-8.22	QP

Note:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Emission Level = Reading + Factor

Margin=Emission Level-Limit

2. All the modes have tested and recorded the worst mode in the report

Radiation Emission Test Data			
Temperature:	25.2°C	Relative Humidity:	53%
Pressure:	1008hPa	Phase :	Vertical
Test Voltage :	DC 3.7V	Test Mode:	GFSK-2402MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB/m	Over dB	Detector
1		65.4579	35.54	-7.53	28.01	40.00	-11.99	QP
2		97.1148	30.74	-7.92	22.82	43.50	-20.68	QP
3		125.2260	27.97	-5.95	22.02	43.50	-21.48	QP
4		270.8493	30.91	-3.82	27.09	46.00	-18.91	QP
5	*	416.1791	35.93	-0.60	35.33	46.00	-10.67	QP
6		504.7062	33.70	1.08	34.78	46.00	-11.22	QP

Note:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Emission Level = Reading + Factor

Margin=Emission Level-Limit

2. All the modes have tested and recorded the worst mode in the report

Field Strength Calculation

CH Low (2402MHz)

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2402	107.71	-5.84	101.87	114	-12.13	peak
2402	92.70	-5.84	86.86	94	-7.14	AVG
4804	56.85	-3.64	53.21	74	-20.79	peak
4804	49.92	-3.64	46.28	54	-7.72	AVG
7206	58.95	-0.95	58.00	74	-16.00	peak
7206	50.04	-0.95	49.09	54	-4.91	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2402	109.10	-5.84	103.26	114	-10.74	peak
2402	94.33	-5.84	88.49	94	-5.51	AVG
4804	58.04	-3.64	54.40	74	-19.60	peak
4804	48.51	-3.64	44.87	54	-9.13	AVG
7206	59.73	-0.95	58.78	74	-15.22	peak
7206	49.34	-0.95	48.39	54	-5.61	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

CH Middle (2440MHz)

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2440	106.49	-5.71	100.78	114	-13.22	peak
2440	93.07	-5.71	87.36	94	-6.64	AVG
4880	54.39	-3.51	50.88	74	-23.12	peak
4880	45.23	-3.51	41.72	54	-12.28	AVG
7320	57.67	-0.82	56.85	74	-17.15	peak
7320	46.15	-0.82	45.33	54	-8.67	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2440	106.48	-5.71	100.77	114	-13.23	peak
2440	91.20	-5.71	85.49	94	-8.51	AVG
4880	54.36	-3.51	50.85	74	-23.15	peak
4880	46.03	-3.51	42.52	54	-11.48	AVG
7320	56.34	-0.82	55.52	74	-18.48	peak
7320	46.50	-0.82	45.68	54	-8.32	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

CH High (2480MHz)
 Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2480	108.04	-5.65	102.39	114	-11.61	peak
2480	92.79	-5.65	87.14	94	-6.86	AVG
4960	56.24	-3.43	52.81	74	-21.19	peak
4960	46.33	-3.43	42.90	54	-11.10	AVG
7440	56.31	-0.75	55.56	74	-18.44	peak
7440	45.80	-0.75	45.05	54	-8.95	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2480	107.98	-5.65	102.33	114	-11.67	peak
2480	93.15	-5.65	87.50	94	-6.50	AVG
4960	55.70	-3.43	52.27	74	-21.73	peak
4960	46.91	-3.43	43.48	54	-10.52	AVG
7440	56.16	-0.75	55.41	74	-18.59	peak
7440	46.65	-0.75	45.90	54	-8.10	AVG
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

1GHz~25GHz

Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel:2402MHz									
V	4804.00	53.56	34.11	5.04	32.44	56.93	74	-17.07	Pk
V	4804.00	40.04	34.11	5.04	32.44	43.41	54	-10.59	AV
V	7206.00	50.21	32.57	6.3	35.89	59.83	74	-14.17	Pk
V	7206.00	35.85	32.57	6.3	35.89	45.47	54	-8.53	AV
V	9608.00	47.93	32.96	7.56	38.4	60.93	74	-13.07	Pk
V	9608.00	34.32	32.96	7.56	38.4	47.32	54	-6.68	AV
V	12010.00	44.54	32.06	8.92	39.01	60.41	74	-13.59	Pk
V	12010.00	28.60	32.06	8.92	39.01	44.47	54	-9.53	AV
H	4804.00	50.40	34.11	5.04	32.44	53.77	74	-20.23	Pk
H	4804.00	40.28	34.11	5.04	32.44	43.65	54	-10.35	AV
H	7206.00	48.67	32.57	6.3	35.89	58.29	74	-15.71	Pk
H	7206.00	32.15	32.57	6.3	35.89	41.77	54	-12.23	AV
H	9608.00	47.46	32.96	7.56	38.4	60.46	74	-13.54	Pk
H	9608.00	29.88	32.96	7.56	38.4	42.88	54	-11.12	AV
H	12010.00	39.17	32.06	8.92	39.01	55.04	74	-18.96	Pk
H	12010.00	26.45	32.06	8.92	39.01	42.32	54	-11.68	AV

Note: 1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,
 Margin= Emission Level - Limit

2. If peak below the average limit, the average emission was no test.

3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

The 1-25GHz range has been tested, and the report only records the worst performance of the 1-18G range.

Spurious Emission in Restricted Band 2310-2390MHz and 2483.5-2500MHz

	Polar (H/V)	Frequenc y (MHz)	Meter Reading (dBuV)	Pre- amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB/m)	Emission level (dBuV/m)	Limit (dBuV /m)	Margi n (dB)	Detec tor Type
GFSK	Low Channel: 2402MHz									
	H	2390.00	58.51	35.17	3.48	27.49	54.31	74	-19.69	PK
	H	2390.00	51.50	35.17	3.48	27.49	47.30	54	-6.70	AV
	H	2400.00	60.05	35.16	3.49	27.52	55.90	74	-18.10	PK
	H	2400.00	49.80	35.16	3.49	27.52	45.65	54	-8.35	AV
	V	2390.00	58.11	35.17	3.48	27.49	53.91	74	-20.09	PK
	V	2390.00	51.64	35.17	3.48	27.49	47.44	54	-6.56	AV
	V	2400.00	60.69	35.16	3.49	27.52	56.54	74	-17.46	PK
	V	2400.00	50.61	35.16	3.49	27.52	46.46	54	-7.54	AV
	High Channel: 2402MHz									
	H	2483.50	58.29	35.11	3.56	27.75	54.49	74	-19.51	PK
	H	2483.50	50.39	35.11	3.56	27.75	46.59	54	-7.41	AV
	H	2500.00	60.00	35.1	3.57	27.8	56.27	74	-17.73	PK
	H	2500.00	51.06	35.1	3.57	27.8	47.33	54	-6.67	AV
	V	2483.50	58.69	35.11	3.56	27.75	54.89	74	-19.11	PK
	V	2483.50	50.00	35.11	3.56	27.75	46.20	54	-7.80	AV
	V	2500.00	59.25	35.1	3.57	27.8	55.52	74	-18.48	PK
	V	2500.00	50.73	35.1	3.57	27.8	47.00	54	-7.00	AV
Remark: 1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit										

4. -20 dB Bandwidth Measurement

4.1.Limit

Test Requirement: FCC CFR47 Part 15 Section 15.215
 Test Method: ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024
 47 CFR Part 15.249
 Test Result: PASS

4.2.Test Setup



4.3.Test Procedure

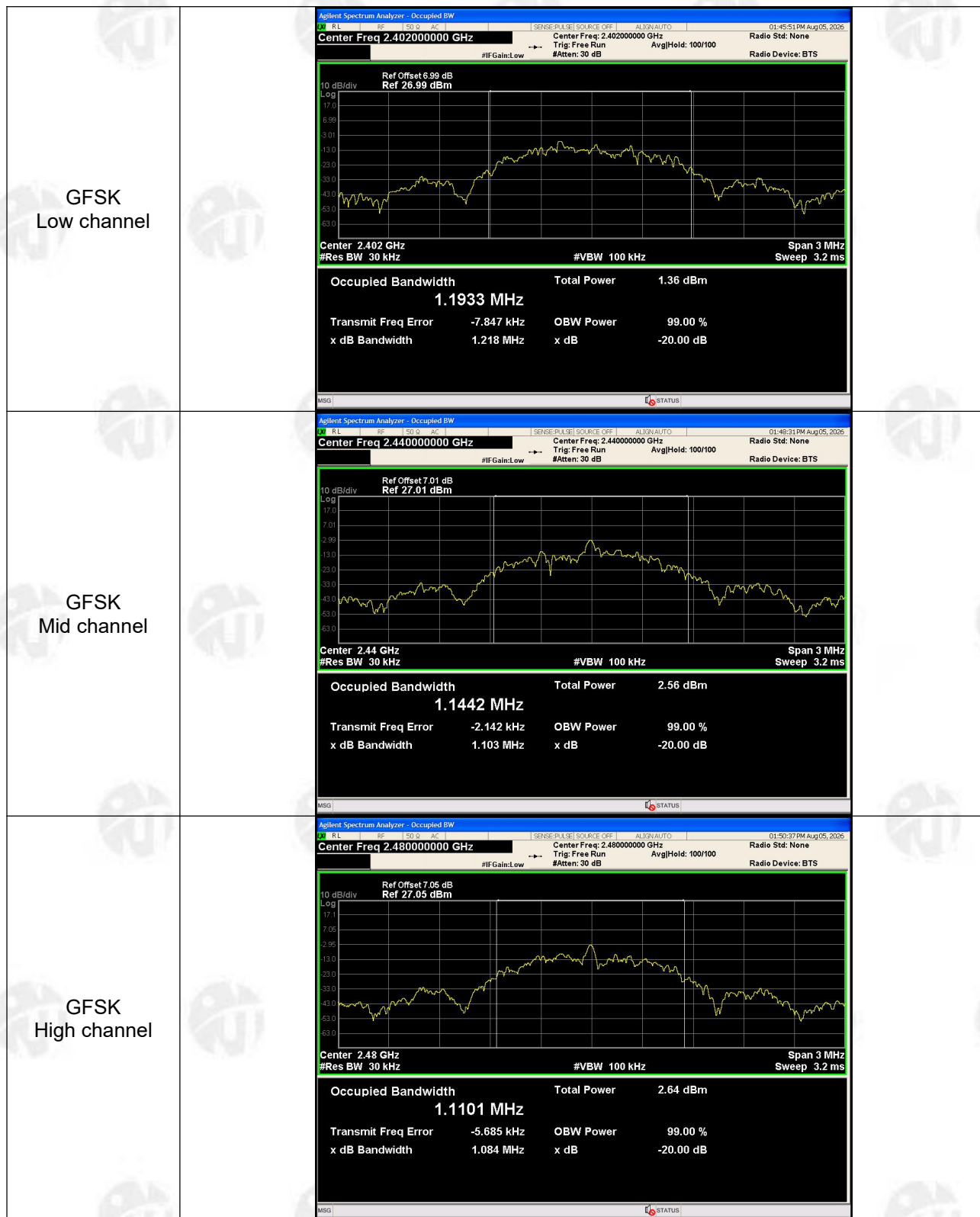
1. Set the spectrum analyzer: RBW = 1%-5% OBW
2. Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by -20 dB relative to the maximum level measured in the fundamental emission

4.4.Test Result

Test Mode	Frequency (MHz)	20dB Bandwidth (MHz)	Result
GFSK	Low channel	1.218	PASS
	Mid channel	1.103	PASS
	High channel	1.084	PASS

Note: All modes of operation were Pre-scan and the worst-case emissions are reported.

Test Graph:





5. Antenna Requirement

According to the FCC Part 15 Paragraph 15.203, 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. This product has an integrated antenna fulfill the requirement of this section.

This product has an PCB antenna, and the maximum antenna gain is -0.76dBi, fulfill the requirement of this section.



6. TEST SETUP & EUT PHOTOGRAPH

Please see the attachment for details.

----- End of Report -----