

Test Report No:
25C0487R-RFUSV01S-A

TEST REPORT

FCC Rules & Regulations

Product Name	Bluetooth Headset
Brand Name	Jabra
Model No.	HSC240W
FCC ID	BCE-HSC240W
Applicant's Name / Address	GN Audio USA Inc. 900 Chelmsfort St, Tower 2, Floor 8 , Lowell, Massachusetts, 1851 United States
Manufacturer's Name	GN Hearing A/S
Test Method Requested, Standard	FCC CFR Title 47 Part 15 Subpart C Section 15.247
Verdict Summary	IN COMPLIANCE
Documented By Ida Tung	<i>Ida Tung</i>
Approved By Steven Tsai	<i>Steven Tsai</i>
Date of Receipt	2025/12/12
Date of Issue	2026/05/27
Report Version	V1.0

INDEX

	page
Competences and Guarantees.....	4
General Conditions	4
Revision History	5
Summary of Test Result.....	6
1. General Information.....	7
1.1. EUT Description	7
1.2. EUT Information	8
1.3. Testing Location Information	8
1.4. Measurement Uncertainty	9
1.5. List of Test Equipment.....	10
2. Test Configuration of EUT	11
2.1. Test Condition.....	11
2.2. Test Frequency Mode.....	11
2.3. Duty Cycle	12
2.4. Measurement Configuration.....	13
2.5. Tested System Details.....	14
2.6. Configuration of Tested System	14
2.7. EUT Operating Procedures	15
3. AC Power Line Conducted Emission	16
3.1. Test Setup	16
3.2. Test Limit	16
3.3. Test Procedure	16
3.4. Test Result of AC Power Line Conducted Emission	16
4. 20dB Bandwidth	17
4.1. Test Setup	17
4.2. Test Limit	17
4.3. Test Procedures	17
4.4. Test Result of 20dB Bandwidth	17
5. Carrier Frequency Separation	18
5.1. Test Setup	18
5.2. Test Limit	18
5.3. Test Procedures	18
5.4. Test Result of Carrier Frequency Separation.....	18
6. Maximum Peak Conducted Output Power	19
6.1. Test Setup	19
6.2. Test Limit	19

6.3.	Test Procedures	19
6.4.	Test Result of Maximum Peak Conducted Output Power	19
7.	Number of Hopping Frequency	20
7.1.	Test Setup	20
7.2.	Test Limit	20
7.3.	Test Procedure	20
7.4.	Test Result of Number of Hopping Frequency	20
8.	Dwell Time	21
8.1.	Test Setup	21
8.2.	Test Limit	21
8.3.	Test Procedure	21
8.4.	Test Result of Dwell Time	21
9.	Antenna Port Conducted Emission	22
9.1.	Test Setup	22
9.2.	Test Limit	22
9.3.	Test Procedure	22
9.4.	Test Result of Antenna Port Conducted Emission	22
10.	Radiated Emission	23
10.1.	Test Setup	23
10.2.	Test Limit	24
10.3.	Test Procedure	24
10.4.	Test Result of Radiated Emission	24
Appendix A. Test Result of AC Power Line Conducted Emission		
Appendix B. Test Result of 20dB Bandwidth		
Appendix C. Test Result of Carrier Frequency Separation		
Appendix D. Test Result of Maximum Peak Conducted Output Power		
Appendix E. Test Result of Number of Hopping Frequency		
Appendix F. Test Result of Dwell Time		
Appendix G. Test Result of Antenna Port Conducted Emission		
Appendix H. Test Result of Radiated Emission		
Appendix I. Test Setup Photograph		

Competences and Guarantees

DEKRA is a testing laboratory competent to carry out the tests described in this report.

In order to assure the traceability to other national and international laboratories, DEKRA has a calibration and maintenance program for its measurement equipment.

DEKRA guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated in the report and it is based on the knowledge and technical facilities available at DEKRA at the time of performance of the test.

DEKRA is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

The results presented in this Test Report apply only to the particular item under test established in this document.

IMPORTANT: No parts of this report may be reproduced or quoted out of context, in any form or by any means, except in full, without the previous written permission of DEKRA.

General Conditions

1. The test results relate only to the samples tested.
2. The test results shown in the test report are traceable to the national/international standard through the calibration report of the equipment and evaluated measurement uncertainty herein.
3. This report must not be used to claim product endorsement by TAF or any agency of the government.
4. The test report shall not be reproduced without the written approval of DEKRA Testing and Certification Co., Ltd.
5. Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

Revision History

Version	Description	Issued Date
V1.0	Initial issue of report	2026/05/27

Summary of Test Result

Report Clause	Test Items	Result (PASS/FAIL)	Remark
3	AC Power Line Conducted Emission	PASS	-
4	20dB Bandwidth	PASS	-
5	Carrier Frequency Separation	PASS	-
6	Maximum Peak Conducted Output Power	PASS	-
7	Number of Hopping Frequency	PASS	-
8	Dwell Time	PASS	-
9	Antenna Port Conducted Emission	PASS	-
10	Radiated Emission	PASS	-

Comments and Explanations

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

1. General Information

1.1. EUT Description

Frequency Range	2400 ~ 2483.5 MHz
Operating Frequency / Channel Number	2402 ~ 2480 MHz / 79 Channels
Mode	Bluetooth BR / EDR
Type of Modulation	Bluetooth BR uses a GFSK (1 Mbps)
	Bluetooth EDR uses a combination of $\pi/4$ DQPSK (2 Mbps) and 8DPSK (3 Mbps)

Accessories Information		
No.	Equipment Name	Description
1	Type C to Type C Cable	shielded, 1.2m
2	Bluetooth USB Dongle	DC 5V, FCC ID: BCE-END085W
3	Bluetooth USB Dongle	DC 5V, FCC ID: BCE-END080W
4	Desk stand (Optional)	DC 5V

Antenna Information				
Item.	Brand Name	Part No.	Type	Gain (dBi)
1	Jabra	27-02225	PIFA	3.10

Note: The antenna of EUT conforms to FCC 15.203.

Model No.	specifications	Description
HSC240W	Mono	The specifications are identical; the only difference is the Mono or Stereo configuration.
	Stereo	

From the models above, the Stereo model was selected as the representative model for the test, and its data has been recorded in this report.

1.2. EUT Information

EUT Power Type	From USB / Battery / Desk stand
----------------	---------------------------------

1.3. Testing Location Information

USA	FCC Designation Number: TW0033 / FCC Registration Number: 647365
Canada	CAB Identifier Number: TW3023 / Company Number: 26930

Site Description	Accredited by TAF
	Accredited Number: 3023

Test Laboratory	DEKRA Testing and Certification Co., Ltd.
	Linkou Laboratory
Address	No. 85, Wenlin St., Linkou Dist., New Taipei City 244017, Taiwan, R.O.C.
Performed Location	No. 26, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan, R.O.C.
Phone Number	+886-3-275-7255
Fax Number	+886-3-327-8031

Ambient conditions in the laboratory:

Performed Item	Items	Required	Actual	Test Date	Tested By
AC Power Line Conducted Emission	Temperature (°C)	10~40 °C	25.2 °C	2026/02/10	Kevin Lai
	Humidity (%RH)	10~90 %	46.6 %		
RF Conducted Emission	Temperature (°C)	10~40 °C	20.8~22.5 °C	2026/12/29~	Kevin Lai
	Humidity (%RH)	10~90 %	62.6~67.6 %	2026/01/21	Neko Chen
Radiated Emission	Temperature (°C)	10~40 °C	23.2~24.1 °C	2026/01/27~	Nova Chu
	Humidity (%RH)	10~90 %	53.2~62.3 %	2026/02/11	

1.4. Measurement Uncertainty

Uncertainties have been calculated according to the DEKRA internal document.

The reported expanded uncertainties are based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95%.

Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

Test item	Uncertainty
AC Power Line Conducted Emission	± 3.50 dB
20dB Bandwidth	± 1580.61 Hz
Carrier Frequency Separation	± 1580.61 Hz
Maximum Peak Conducted Output Power	Spectrum Analyzer: ± 2.13 dB Power Meter: ± 1.05 dB
Number of Hopping Frequency	N/A
Dwell Time	± 0.62 %
Antenna Port Conducted Emission	± 2.13 dB
Radiated Emission	9 kHz~30 MHz: ± 3.30 dB 30 MHz~1 GHz: ± 5.19 dB 1 GHz~18 GHz: ± 4.46 dB 18 GHz~40 GHz: ± 4.19 dB
Duty Cycle	± 0.62 %

1.5. List of Test Equipment

For Conduction Measurements / HY-SR01

	Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Due Date
V	EMI Test Receiver	R&S	ESR7	101601	2025/04/28	2026/04/27
V	Two-Line V-Network	R&S	ENV216	101306	2024/04/01	2026/03/31
V	Two-Line V-Network	R&S	ENV216	101307	2025/08/06	2027/08/05
V	Coaxial Cable	SUHNER	RG400_BNC	RF001	2026/01/10	2027/01/09

Note:

1. Two-Line V-Network is calibrated every two years, the other equipment is calibrated every year.
2. The test instruments marked with "V" are used to measure the final test results.
3. Test Software Version: e3 230303 dekra V9.

For Conducted Measurements / HY-SR02

	Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Due Date
V	Spectrum Analyzer	R&S	FSV30	103467	2025/05/29	2026/05/28
V	Peak Power Analyzer	KEYSIGHT	8990B	MY51000539	2025/05/05	2026/05/04
V	Wideband Power Sensor	KEYSIGHT	N1923A	MY59240002	2025/05/07	2026/05/06
V	Wideband Power Sensor	KEYSIGHT	N1923A	MY59240003	2025/05/07	2026/05/06

Note:

1. All equipment is calibrated every year.
2. The test instruments marked with "V" are used to measure the final test results.
3. Test Software Version : DTC_RF_Tool_Release V2.0.37.

For Radiated Measurements /HY-CB02

	Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Due. Date
V	Loop Antenna	TESEQ	HLA6121	49611	2025/02/18	2026/02/17
V	Bi-Log Antenna	SCHWARZBECK	VULB9168	9168-0675	2025/08/14	2027/08/13
V	Horn Antenna	RF SPIN	DRH18-E	210503A18ES	2024/02/29	2026/02/28
V	Horn Antenna	Com-Power	AH-840	101100	2025/10/07	2027/10/06
V	Pre-Amplifier	Queitek	MPA0301	AP-180C	2026/01/10	2027/01/09
	Pre-Amplifier	SGH	SGH118-HS	20211102-1	2026/01/10	2027/01/09
V	Pre-Amplifier	SGH	PRAMP118	20200203	2026/01/10	2027/01/09
V	Pre-Amplifier	EMCI	EMC05820SE	980285	2026/01/10	2027/01/09
	Pre-Amplifier	MICZEN	MZLNA1850GAC40	WB0103001	2026/01/10	2027/01/09
V	Pre-Amplifier	EMCI	EMC184045SE	980369	2026/01/10	2027/01/09
V	Coaxial Cable	EMCI	EMC102-KM-KM-600	160311	2026/01/10	2027/01/09
V	Coaxial Cable	SGH	HC360-2.92M/2.92M-7.0M	202108-1	2026/01/10	2027/01/09
V	Filter	MICRO TRONICS	BRM20887	G002	2026/01/05	2027/01/04
	Filter	MICRO TRONICS	BRM50716	G067	2026/01/05	2027/01/04
V	EMI Test Receiver	R&S	ESR3	102793	2025/12/01	2026/11/30
V	Spectrum Analyzer	R&S	FSV3044	101113	2025/12/23	2026/12/22
V	Coaxial Cable	SGH	HA800	GD20110223-2	2026/01/10	2027/01/09
V	Coaxial Cable	SGH	HA800	GD20110222-4	2026/01/10	2027/01/09
V	Coaxial Cable	SGH	SGH18	202108-5	2026/01/10	2027/01/09
V	Coaxial Cable	SGH	HA800-SMASMA-10M	202212-1	2026/01/10	2027/01/09

Note:

1. Bi-Log Antenna and Horn Antenna are calibrated every two years, the other equipment is calibrated every year.
2. The test instruments marked with "V" are used to measure the final test results.
3. Test Software Version: e3 230303 dekra V9.

2. Test Configuration of EUT

2.1. Test Condition

EUT Operational Condition	
Testing Voltage	DC 5V by USB / Desk stand

2.2. Test Frequency Mode

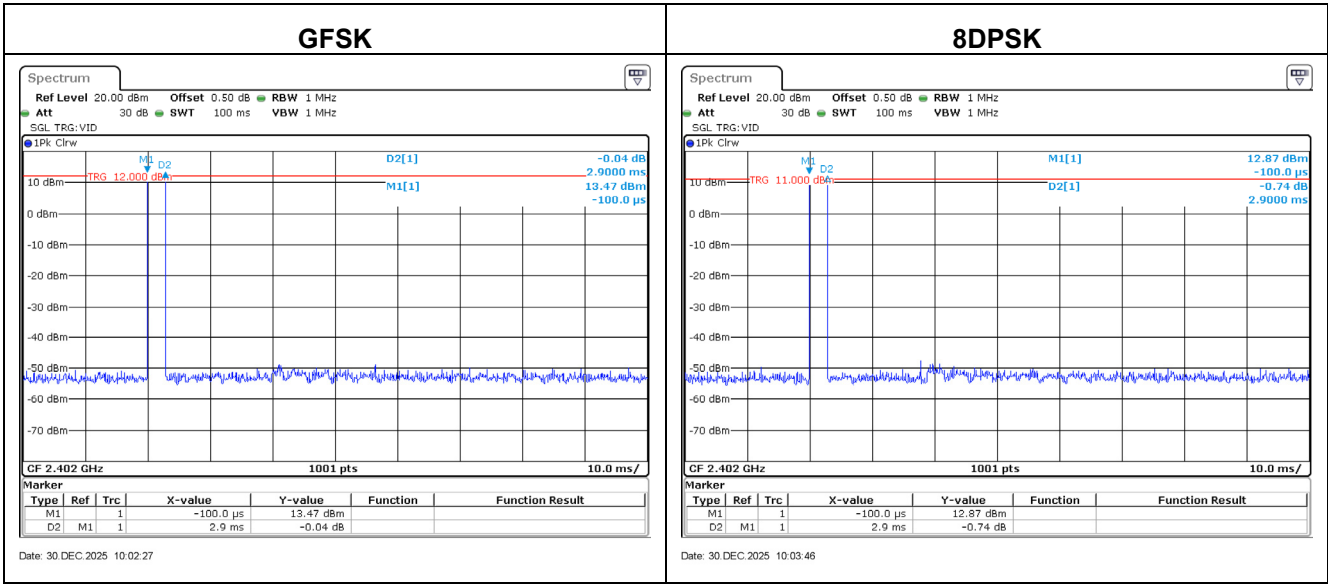
Test Software Version	AB1595 Lab Test Tool / Version 5.6.0.4
-----------------------	--

Modulation	Frequency (MHz)	Power Setting
GFSK	2402	59
	2441	59
	2480	59
8DPSK	2402	57
	2441	57
	2480	57

2.3. Duty Cycle

Modulation	Time on of 100 ms (ms)	Duty Cycle (Ton/100 ms)	Duty Cycle Correction factor (dB)
GFSK	2.90	0.029	-30.752
8DPSK	2.90	0.029	-30.752

Note: Duty Cycle correction factor = 20 LOG(Duty Cycle).



2.4. Measurement Configuration

Test Mode	Mode 1 (Transmit)	GFSK
		8DPSK
	Mode 2 (Charge mode)	

Note:

1. Determining compliance shall be based on the results of the compliance measurement, without taking measurement instrumentation uncertainty into account.
2. For radiated emissions below 1 GHz and AC power line conducted emissions, all modes of operation were investigated, and the worst-case emissions are reported.
3. The test mode is based on Bluetooth technology. While testing 1 Mbps, 2 Mbps, and 3 Mbps, the worst cases are 1 Mbps and 3 Mbps. Only the worst-case data is recorded in this report.
4. The radiation measurements are performed in the X, Y, and Z axis positions. Only the worst case is shown in the report.

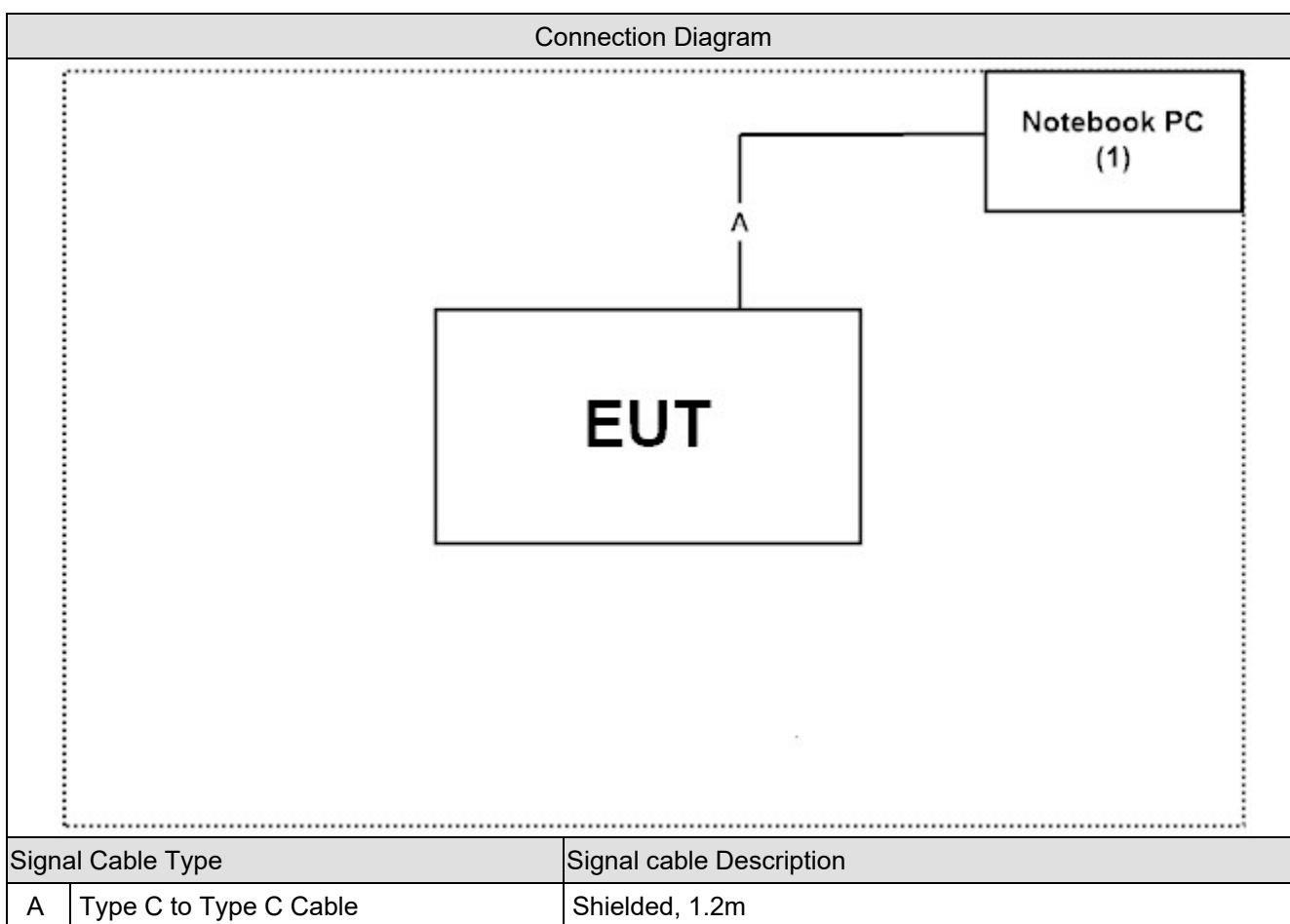
2.5. Tested System Details

No.	Equipment	Brand Name	Model No.	Serial No.	Power Cord
1	Notebook PC	DELL	Latitude 5501	GS9GL13	N/A

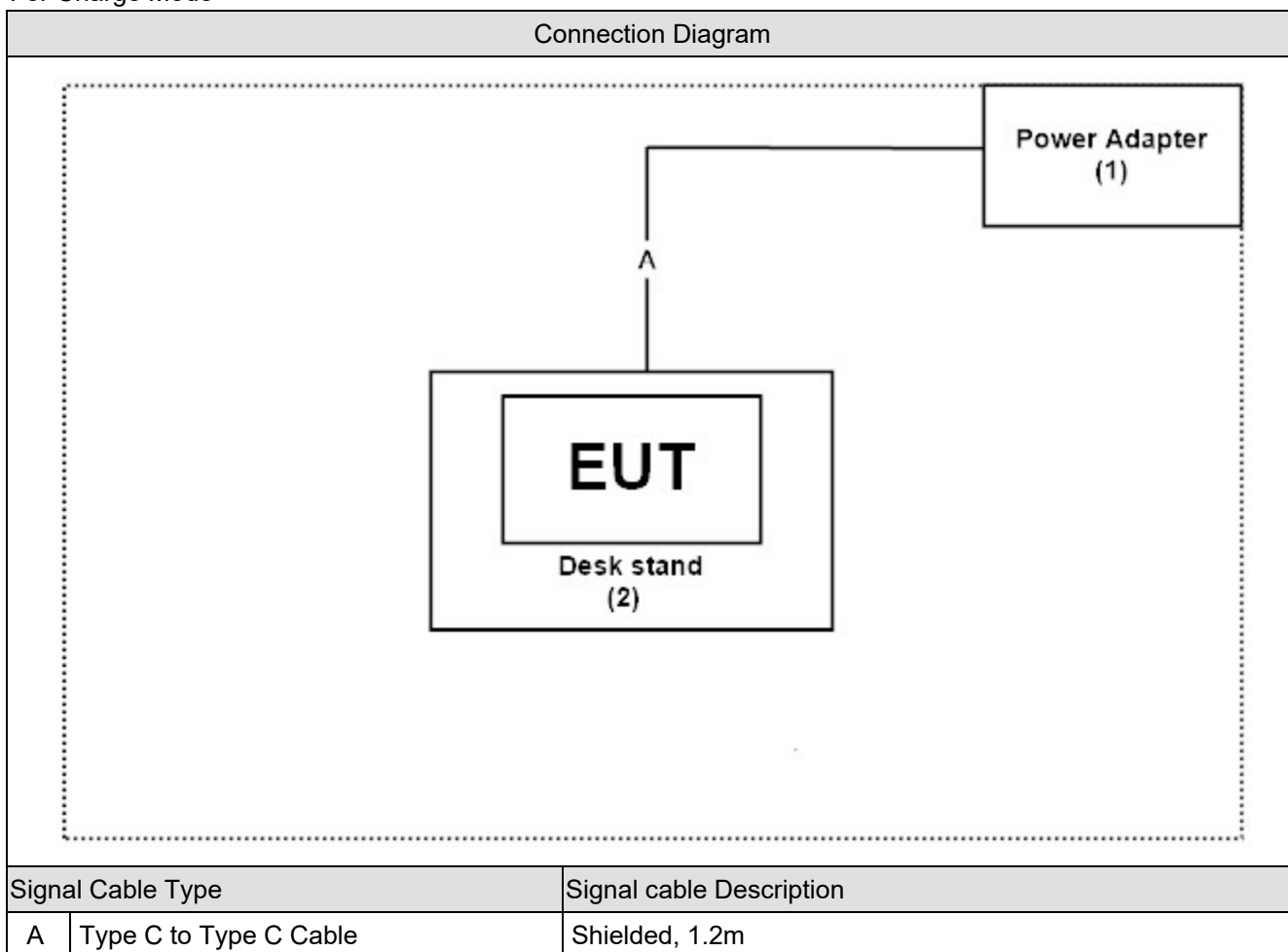
For Charge Mode

No.	Equipment	Brand Name	Model No.	Serial No.	Power Cord
1	Power Adapter	Apple	A1385	N/A	N/A
2	Desk stand	Jabra	HSC240W	N/A	N/A

2.6. Configuration of Tested System



For Charge Mode

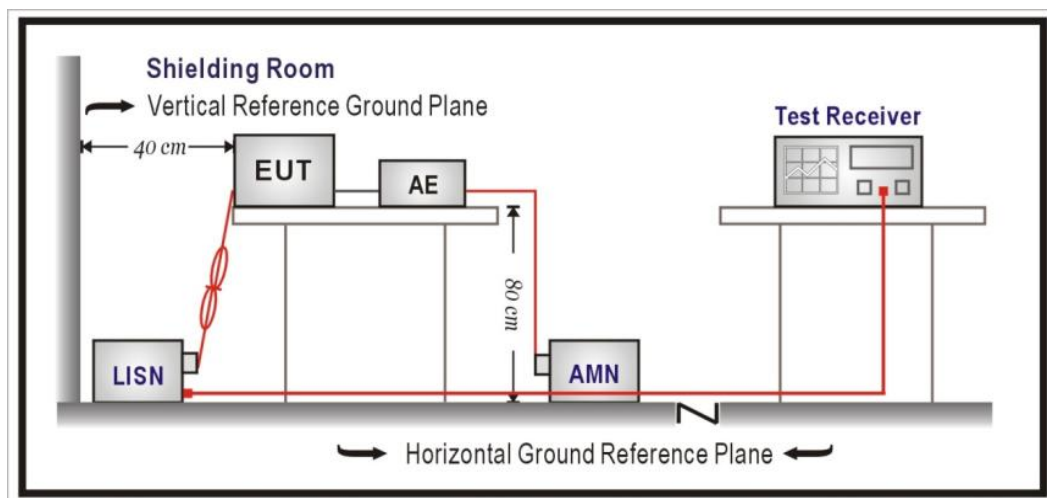


2.7. EUT Operating Procedures

1	Setup the EUT as shown in Section 2.6.
2	Execute software "AB1595 Lab Test Tool / Version 5.6.0.4" on the Notebook PC.
3	Configure the test mode, the test channel, and the data rate.
4	Verify that the EUT works properly.

3. AC Power Line Conducted Emission

3.1. Test Setup



3.2. Test Limit

Frequency (MHz)	QP (dB μ V)	AV (dB μ V)
0.15 - 0.50	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30	60	50

Remarks: In the above table, the tighter limit applies at the band edges.

3.3. Test Procedure

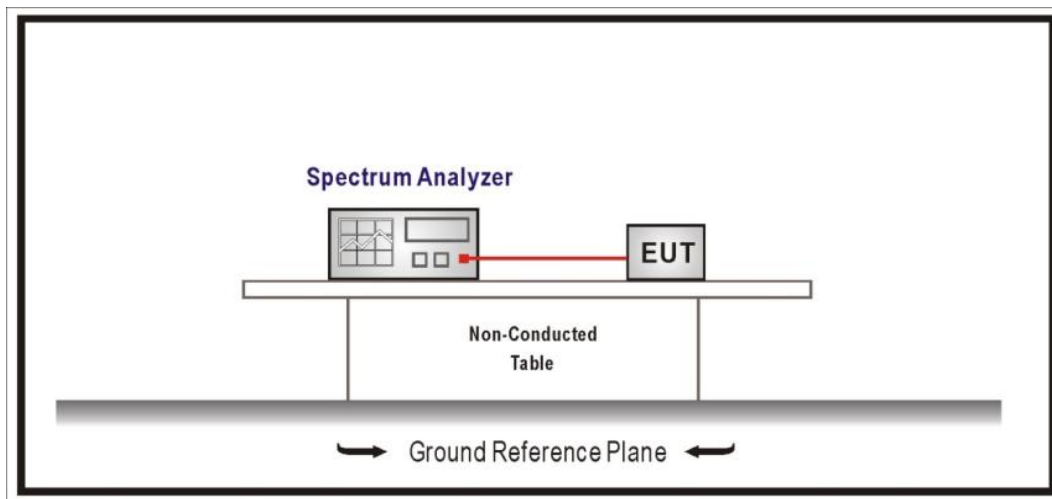
The EUT was setup according to ANSI C63.10-2020 for AC Power Line Conducted Emissions.

3.4. Test Result of AC Power Line Conducted Emission

Refer as Appendix A

4. 20dB Bandwidth

4.1. Test Setup



4.2. Test Limit

N/A

4.3. Test Procedures

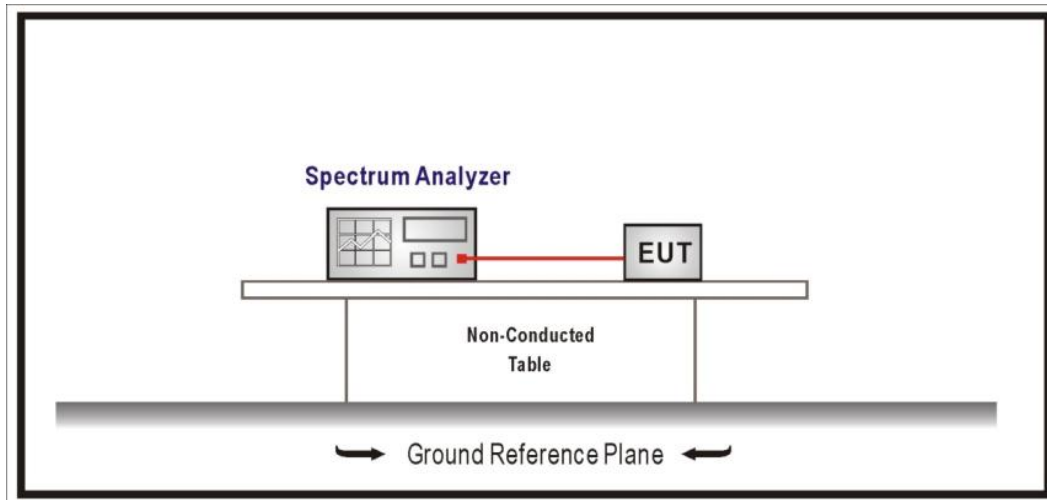
The EUT was setup according to ANSI C63.10-2020 and tested according to FHSS test procedure of KDB 558074.

4.4. Test Result of 20dB Bandwidth

Refer as Appendix B

5. Carrier Frequency Separation

5.1. Test Setup



5.2. Test Limit

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 a Maximum Conducted Output Power no greater than 125 mW. The system shall hop to channel frequencies that are selected at the system hopping rate from a pseudo randomly 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.

5.3. Test Procedures

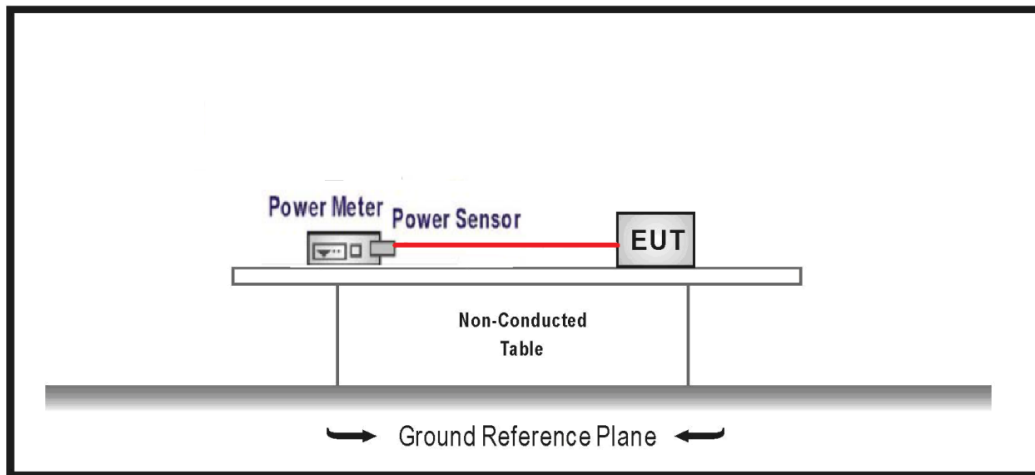
The EUT was setup according to ANSI C63.10-2020 and tested according to FHSS test procedure of KDB 558074.

5.4. Test Result of Carrier Frequency Separation

Refer as Appendix C

6. Maximum Peak Conducted Output Power

6.1. Test Setup



6.2. Test Limit

For frequency hopping systems operating in the 902 ~ 928 MHz band:

1. Number of Hopping Frequencies ≥ 50 : 1 watt (30dBm)
2. $50 >$ Number of Hopping Frequencies ≥ 25 : 0.25 watt (23.98dBm)

For frequency hopping systems operating in the 2400 ~ 2483.5 MHz band:

1. Number of Hopping Frequencies ≥ 75 : 1 watt (30dBm)
2. Number of Hopping Frequencies ≥ 15 : 0.125 watts (20.97dBm)

For frequency hopping systems operating in the 5725 ~ 5850 MHz band:

Number of Hopping Frequencies ≥ 75 : 1 watt (30dBm)

6.3. Test Procedures

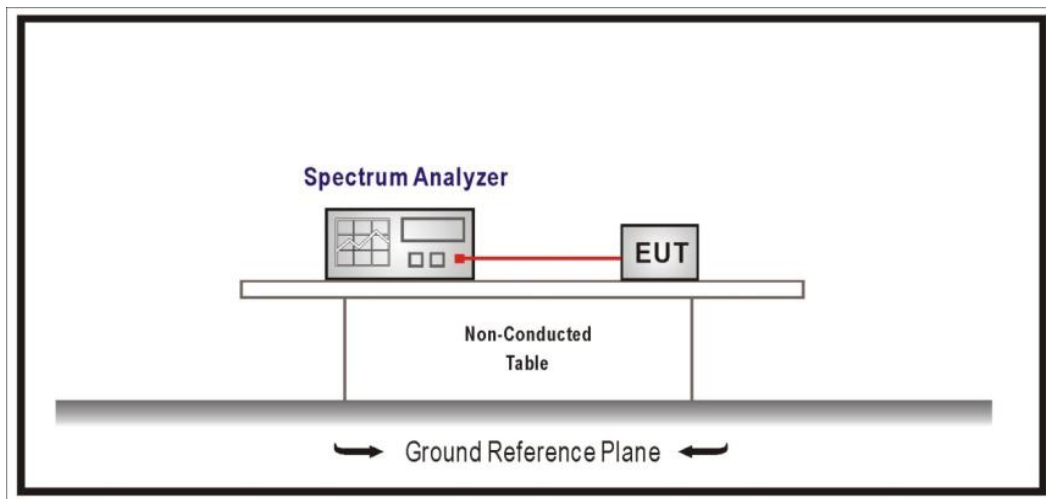
The EUT was setup according to ANSI C63.10-2020 and tested according to FHSS test procedure of KDB 558074.

6.4. Test Result of Maximum Peak Conducted Output Power

Refer as Appendix D

7. Number of Hopping Frequency

7.1. Test Setup



7.2. Test Limit

For frequency hopping systems operating in the 902 ~ 928 MHz band: if the 20 dB bandwidth of the hopping channel is less than 250 kHz, the system shall use at least 50 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 20 second period; if the 20 dB bandwidth of the hopping channel is 250 kHz or greater, the system shall use at least 25 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 10 second period. The maximum allowed 20 dB bandwidth of the hopping channel is 500 kHz.

Frequency hopping systems in the 2400 ~ 2483.5 MHz band shall use at least 15 channels. 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. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.

Frequency hopping systems operating in the 5725 ~ 5850 MHz band shall use at least 75 hopping frequencies. The maximum 20 dB bandwidth of the hopping channel is 1 MHz. The average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 30 second period.

7.3. Test Procedure

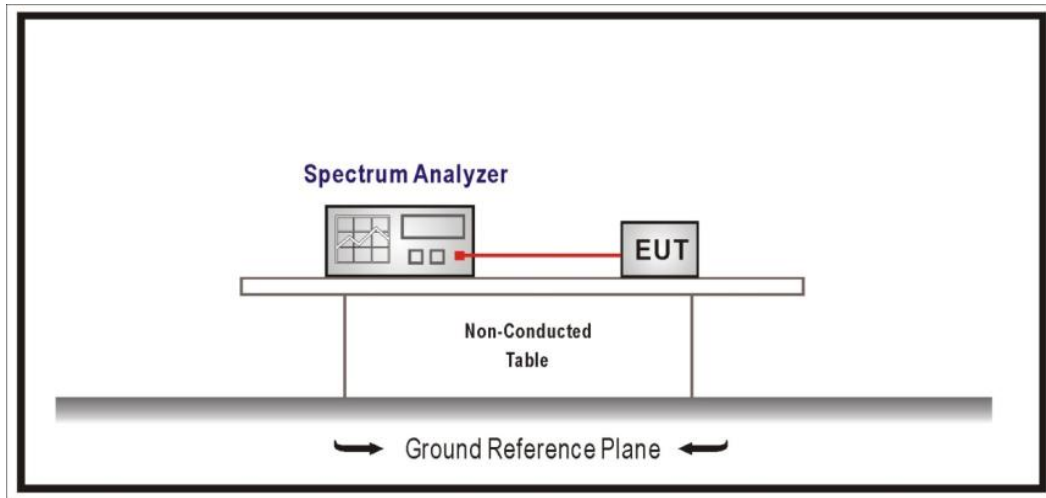
The EUT was setup according to ANSI C63.10-2020 and tested according to FHSS test procedure of KDB 558074.

7.4. Test Result of Number of Hopping Frequency

Refer as Appendix E

8. Dwell Time

8.1. Test Setup



8.2. Test Limit

For frequency hopping systems operating in the 902-928 MHz band: if the 20 dB bandwidth of the hopping channel is less than 250 kHz, the system shall use at least 50 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 20 second period; if the 20 dB bandwidth of the hopping channel is 250 kHz or greater, the system shall use at least 25 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 10 second period.

For frequency hopping systems operating in the 2400-2483.5 MHz bands. 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.

For frequency hopping systems operating in the 5725-5850 MHz bands. The average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 30 second period.

8.3. Test Procedure

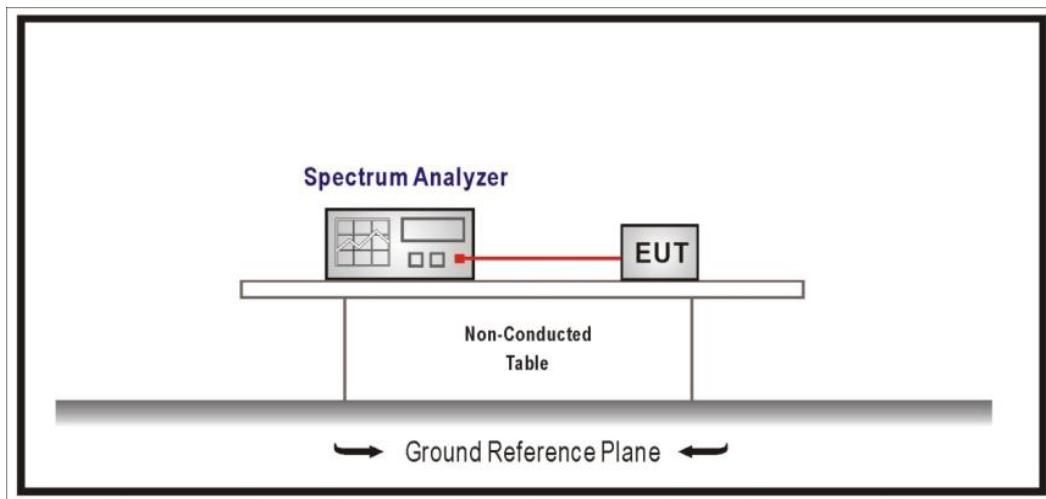
The EUT was setup according to ANSI C63.10-2020 and tested according to FHSS test procedure of KDB 558074.

8.4. Test Result of Dwell Time

Refer as Appendix F

9. Antenna Port Conducted Emission

9.1. Test Setup



9.2. Test Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the radio frequency power that is produced 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 measurement, provided the transmitter demonstrates compliance with the peak conducted power limit.

9.3. Test Procedure

The EUT was setup according to ANSI C63.10-2020 and tested according to FHSS test procedure of KDB 558074.

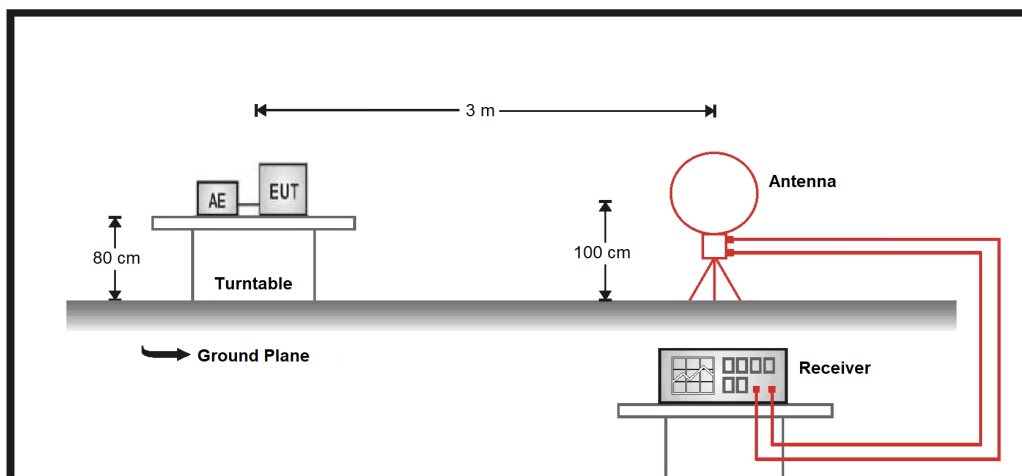
9.4. Test Result of Antenna Port Conducted Emission

Refer as Appendix G

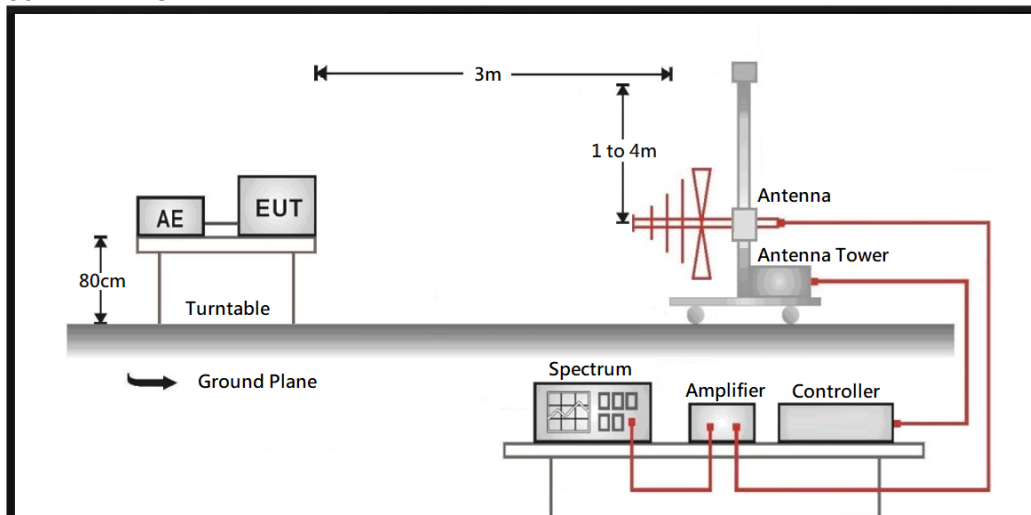
10. Radiated Emission

10.1. Test Setup

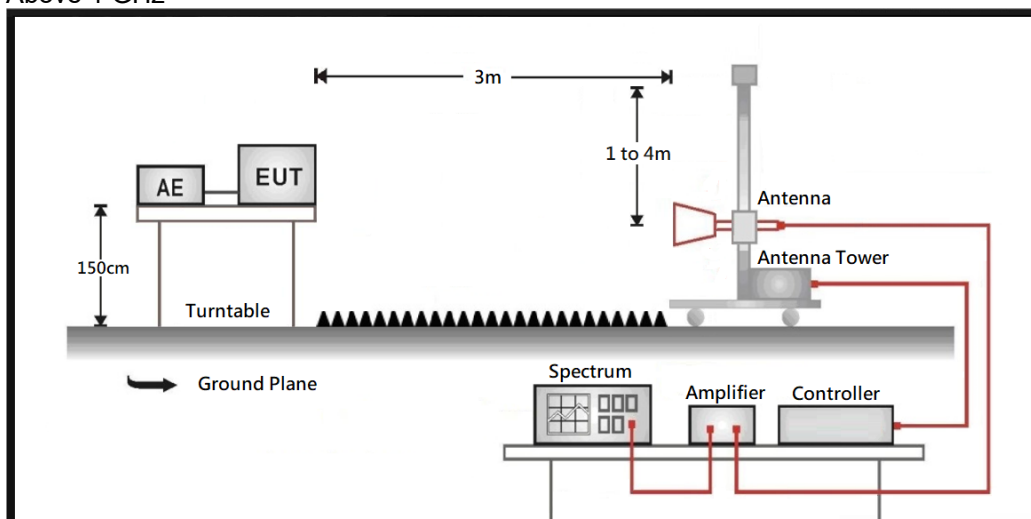
9 kHz ~ 30 MHz



30 MHz ~ 1 GHz



Above 1 GHz



10.2. Test Limit

Frequency (MHz)	Field strength ($\mu\text{V/m}$)	Field strength ($\text{dB}\mu\text{V/m}$)	Measurement distance (m)
0.009 – 0.490	$2400/F(\text{kHz})$	$20 \log (2400/F(\text{kHz}))$	300
0.490 – 1.705	$24000/F(\text{kHz})$	$20 \log (24000/F(\text{kHz}))$	30
1.705 - 30	30	29.5	30
30 - 88	100	40	3
88 - 216	150	43.5	3
216 - 960	200	46	3
Above 960	500	54	3

Remarks:

1. Field strength ($\text{dB}\mu\text{V/m}$) = $20 \log$ Field strength ($\mu\text{V/m}$)
2. In the Above Table, the tighter limit applies at the band edges.
3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

10.3. Test Procedure

The EUT was setup according to ANSI C63.10-2020 and tested according to FHSS test procedure of KDB 558074.

The EUT and its simulators are placed on a turn table which is 0.8 or 1.5 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level.

The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10-2020 on radiated measurement.

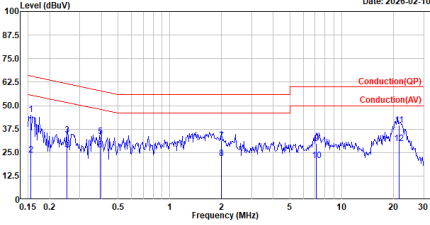
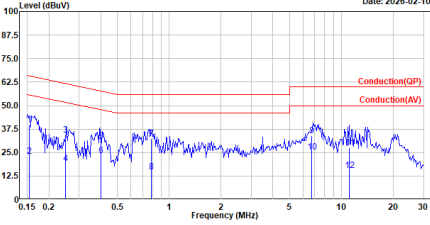
On any frequency or frequencies from 9 kHz(include The the lowest oscillator frequency generated within the device up to the 10th harmonic) to 1000 MHz, the limit shown are based on measuring equipment employing a quasi-peak detector function and on any frequency or frequencies above 1000 MHz the radiated limit shown are based upon the use of measurement instrumentation employing an average detector function. When average radiated emission measurement are included emission measurement below 1000 MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.

The bandwidth below 1 GHz setting on the field strength meter is 120 kHz and above 1 GHz is 1 MHz.

10.4. Test Result of Radiated Emission

Refer as Appendix H

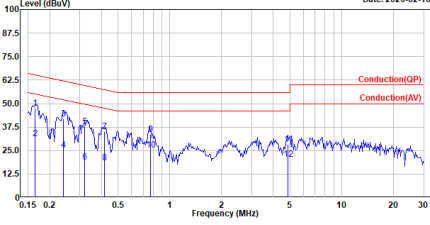
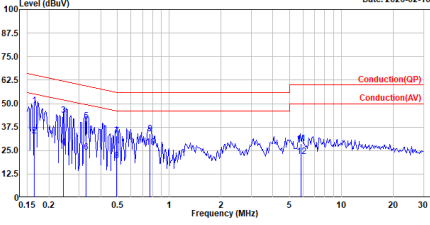
Appendix A. Test Result of AC Power Line Conducted Emission

TX_BT3M_2441MHz_Line								TX_BT3M_2441MHz_Neutral							
Site :HY-SR01 Condition :Line Mode :TX_BT3M_2441MHz test by :Kevin  Date: 2026-02-10								Site :HY-SR01 Condition :Neutral Mode :TX_BT3M_2441MHz test by :Kevin  Date: 2026-02-10							
No.	Frequency	Level	Limit	Over	Read	Factor	Remark	No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB			MHz	dBuV	dBuV	dB	dBuV	dB	
1	0.156	45.23	65.68	-20.45	35.66	9.57	QP	1	0.154	40.19	65.81	-25.62	30.63	9.56	QP
2	0.156	23.84	55.68	-31.84	14.27	9.57	Average	2	0.154	23.18	55.81	-32.63	13.62	9.56	Average
3	0.253	34.44	61.65	-27.21	24.87	9.57	QP	3	0.249	34.45	61.78	-27.33	24.86	9.59	QP
4	0.253	25.95	51.65	-25.70	16.38	9.57	Average	4	0.249	19.13	51.78	-32.65	9.54	9.59	Average
5	0.395	33.44	57.95	-24.51	23.86	9.58	QP	5	0.401	31.04	57.83	-26.79	21.46	9.58	QP
6	0.395	26.53	47.95	-21.42	16.95	9.58	Average	6	0.401	23.34	47.83	-24.49	13.76	9.58	Average
7	1.989	31.23	56.00	-24.77	21.52	9.71	QP	7	0.785	32.57	56.00	-23.43	22.95	9.62	QP
8	1.989	21.94	46.00	-24.06	12.23	9.71	Average	8	0.785	14.56	46.00	-31.44	4.94	9.62	Average
9	7.127	29.99	60.00	-30.01	19.88	10.11	QP	9	6.691	34.10	60.00	-25.90	23.97	10.13	QP
10	7.127	20.93	50.00	-29.07	10.82	10.11	Average	10	6.691	25.22	50.00	-24.78	15.09	10.13	Average
11	21.468	39.56	60.00	-20.44	29.71	9.85	QP	11	11.118	27.49	60.00	-32.51	17.33	10.16	QP
12	21.468	29.69	50.00	-20.31	19.84	9.85	Average	12	11.118	15.62	50.00	-34.38	5.46	10.16	Average

Note:
 1. Level = Read Level + Factor
 2. Factor = LISN insertion loss + Cable loss
 3. Over Limit = Level - Limit Line

Note:
 1. Level = Read Level + Factor
 2. Factor = LISN insertion loss + Cable loss
 3. Over Limit = Level - Limit Line

For Charge Mode

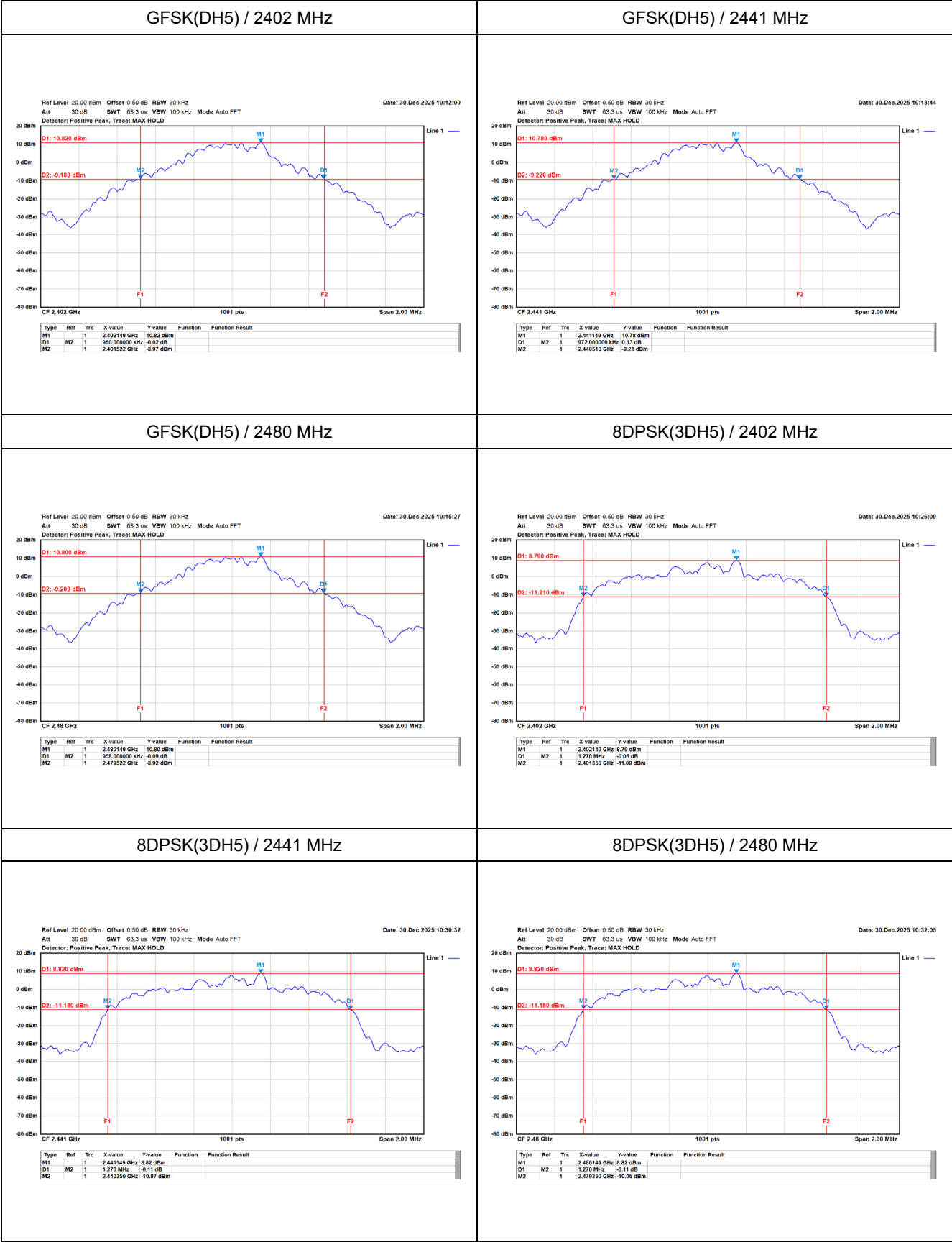
charge mode_Line								charge mode_Neutral							
Site :HY-SR01 Condition :Line Mode :charge mode test by :Kevin  Date: 2026-02-10								Site :HY-SR01 Condition :Neutral Mode :charge mode test by :Kevin  Date: 2026-02-10							
No.	Frequency	Level	Limit	Over	Read	Factor	Remark	No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB			MHz	dBuV	dBuV	dB	dBuV	dB	
1	0.164	47.52	65.25	-17.73	37.95	9.57	QP	1	0.164	49.84	65.25	-16.21	39.47	9.57	QP
2	0.164	31.46	55.25	-23.79	21.89	9.57	Average	2	0.164	32.85	55.25	-22.40	23.28	9.57	Average
3	0.240	41.72	62.08	-20.36	32.15	9.57	QP	3	0.242	43.67	62.02	-18.35	34.08	9.59	QP
4	0.240	25.40	52.08	-26.68	15.83	9.57	Average	4	0.242	26.81	52.02	-25.21	17.22	9.59	Average
5	0.321	37.76	59.68	-21.92	28.18	9.58	QP	5	0.329	40.60	59.47	-18.87	31.02	9.58	QP
6	0.321	19.03	49.68	-30.65	9.45	9.58	Average	6	0.329	23.99	49.47	-25.48	14.41	9.58	Average
7	0.416	34.95	57.53	-22.58	25.36	9.59	QP	7	0.496	32.91	56.06	-23.15	23.32	9.59	QP
8	0.416	18.61	47.53	-28.92	9.02	9.59	Average	8	0.496	19.55	46.06	-26.51	9.96	9.59	Average
9	0.771	33.58	56.00	-22.42	23.96	9.62	QP	9	0.775	33.90	56.00	-22.10	24.28	9.62	QP
10	0.771	25.44	46.00	-20.56	15.82	9.62	Average	10	0.775	26.67	46.00	-19.13	17.25	9.62	Average
11	4.883	28.12	56.00	-27.88	18.08	10.04	QP	11	5.805	28.76	60.00	-31.24	18.65	10.11	QP
12	4.883	20.43	46.00	-25.57	10.39	10.04	Average	12	5.805	22.05	50.00	-27.95	11.94	10.11	Average

Note:
 1. Level = Read Level + Factor
 2. Factor = LISN insertion loss + Cable loss
 3. Over Limit = Level - Limit Line

Note:
 1. Level = Read Level + Factor
 2. Factor = LISN insertion loss + Cable loss
 3. Over Limit = Level - Limit Line

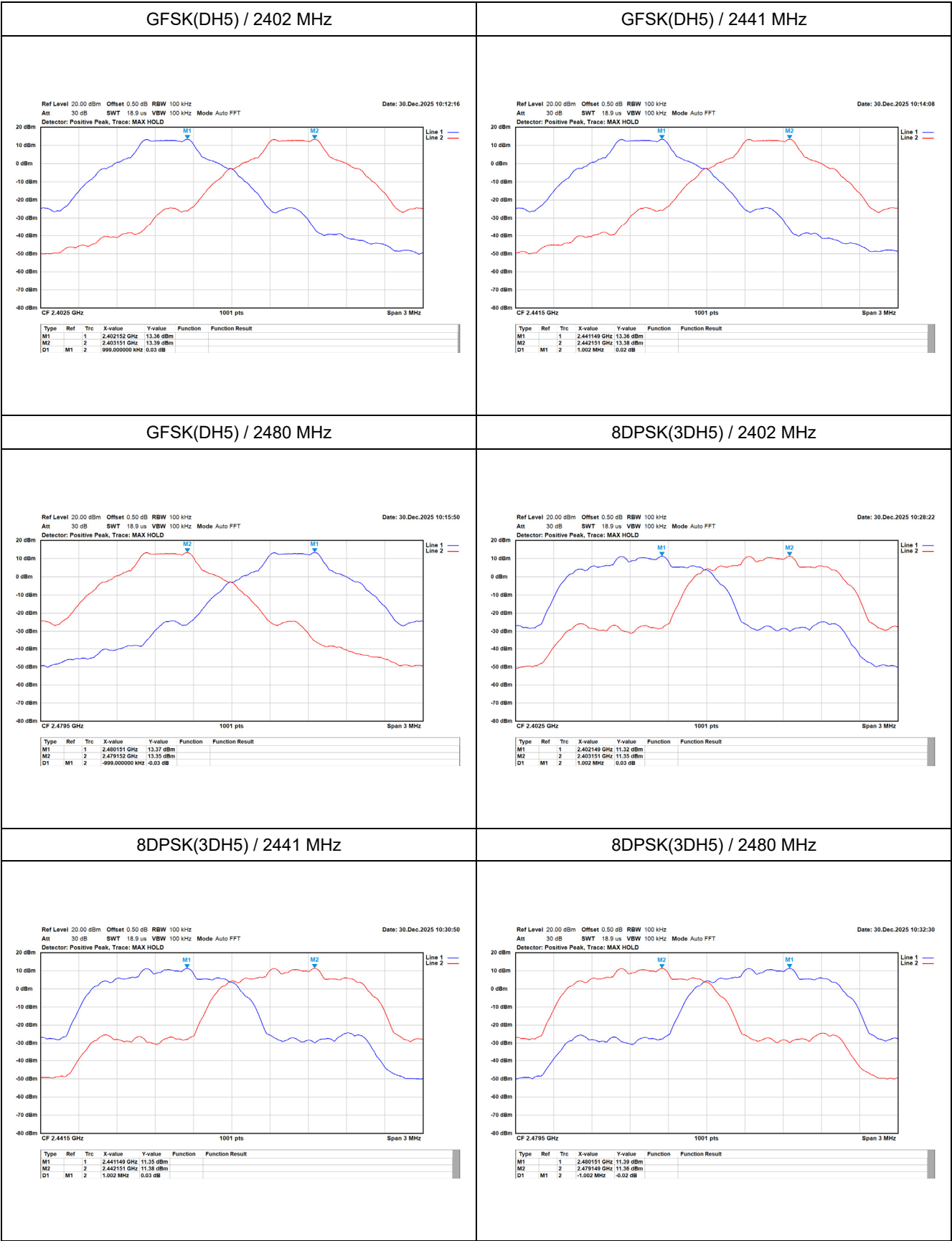
Appendix B. Test Result of 20dB Bandwidth

Modulation	Frequency (MHz)	20dB Bandwidth (MHz)	Limit (MHz)
GFSK	2402	0.96	-
	2441	0.97	-
	2480	0.96	-
8DPSK	2402	1.27	-
	2441	1.27	-
	2480	1.27	-



Appendix C. Test Result of Carrier Frequency Separation

Modulation	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
GFSK	2402	0.99	0.640	Pass
	2441	1.00	0.648	Pass
	2480	0.99	0.639	Pass
8DPSK	2402	1.00	0.847	Pass
	2441	1.00	0.847	Pass
	2480	1.00	0.847	Pass

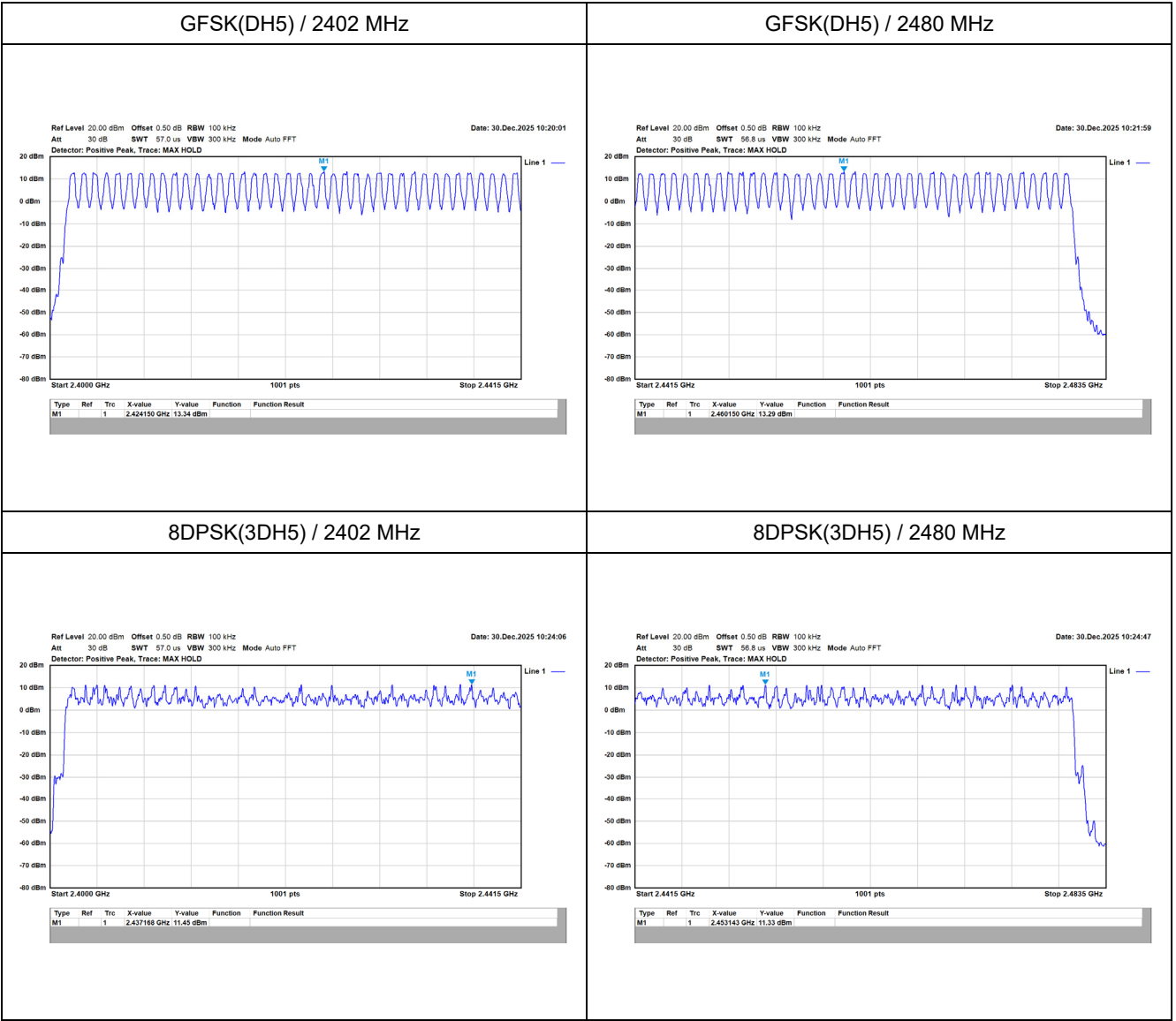


Appendix D. Test Result of Maximum Peak Conducted Output Power

Modulation	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)	Limit (dBm)	Result
GFSK	2402	15.01	21.00	Pass
	2441	14.82	21.00	Pass
	2480	14.77	21.00	Pass
8DPSK	2402	13.66	21.00	Pass
	2441	13.64	21.00	Pass
	2480	13.49	21.00	Pass

Appendix E. Test Result of Number of Hopping Frequency

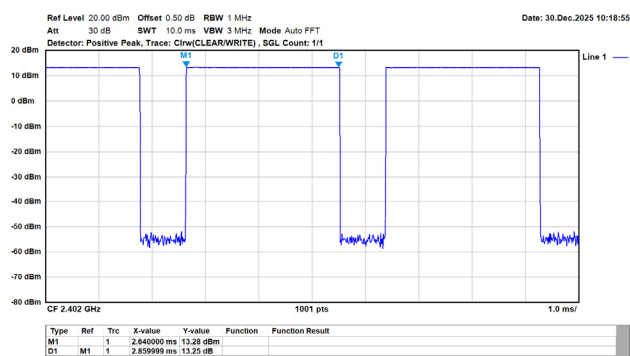
Frequency (MHz)	Measure Level (Channels)	Limit (Channels)
2402.0 ~ 2480.0	79	≥ 15



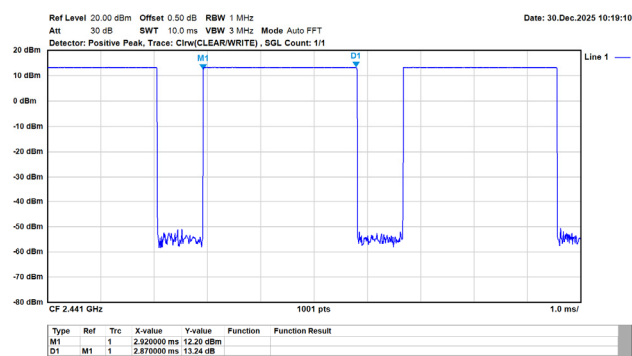
Appendix F. Test Result of Dwell Time

Modulation	Occupancy Time of Frequency Hopping System
GFSK	A) 2402 MHz Test Time Period: $0.4 \times 79 = 31.60$ sec, Time slot length :2.86 = 0.002860 sec Dwell Time : $0.002860 \times (266.67/79) \times 31.60 = 0.305$ sec °
	B) 2441 MHz Test Time Period: $0.4 \times 79 = 31.60$ sec, Time slot length :2.87 = 0.002870 sec Dwell Time : $0.002870 \times (266.67/79) \times 31.60 = 0.306$ sec °
	C) 2480 MHz Test Time Period: $0.4 \times 79 = 31.60$ sec, Time slot length :2.86 = 0.002860 sec Dwell Time : $0.002860 \times (266.67/79) \times 31.60 = 0.305$ sec °
8DPSK	A) 2402 MHz Test Time Period: $0.4 \times 79 = 31.60$ sec, Time slot length :2.87 = 0.002870 sec Dwell Time : $0.002870 \times (266.67/79) \times 31.60 = 0.306$ sec °
	B) 2441 MHz Test Time Period: $0.4 \times 79 = 31.60$ sec, Time slot length :2.87 = 0.002870 sec Dwell Time : $0.002870 \times (266.67/79) \times 31.60 = 0.306$ sec °
	C) 2480 MHz Test Time Period: $0.4 \times 79 = 31.60$ sec, Time slot length :2.87 = 0.002870 sec Dwell Time : $0.002870 \times (266.67/79) \times 31.60 = 0.306$ sec °
Test Result: The occupancy time of each highest, middle and lowest channel is less than 0.4 sec, and corresponds to the standard.	

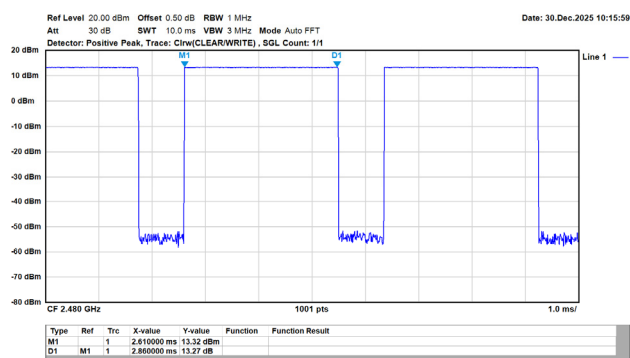
GFSK(DH5) / 2402 MHz



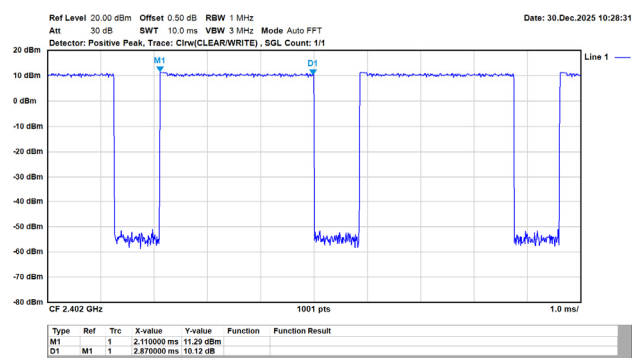
GFSK(DH5) / 2441 MHz



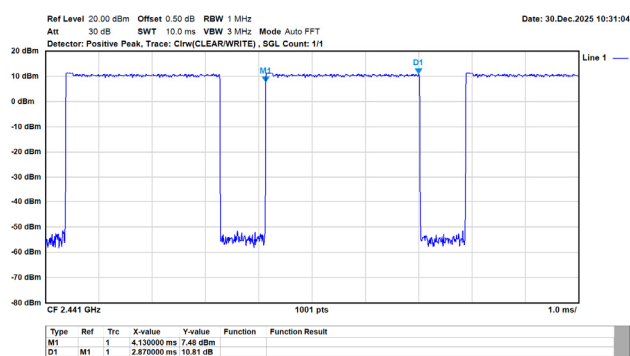
GFSK(DH5) / 2480 MHz



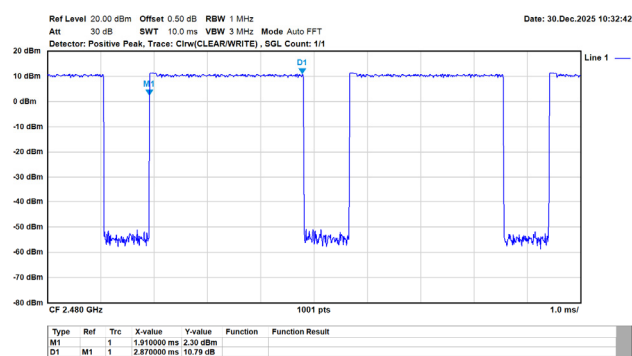
8DPSK(3DH5) / 2402 MHz



8DPSK(3DH5) / 2441 MHz



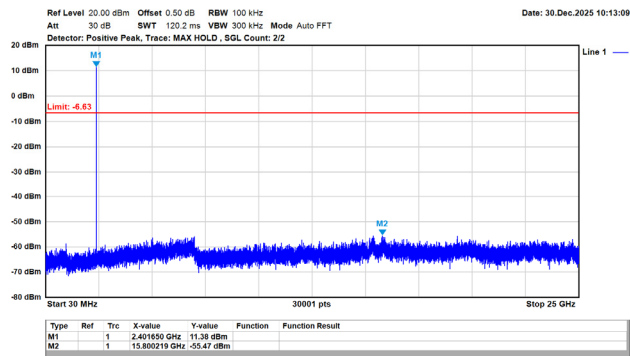
8DPSK(3DH5) / 2480 MHz



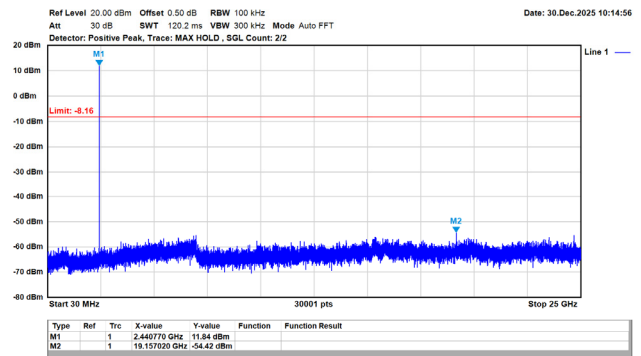
Appendix G. Test Result of Antenna Port Conducted Emission

Modulation	Measurement Level Δ (dB)	Result
GFSK	> 20	Pass
8DPSK	> 20	Pass

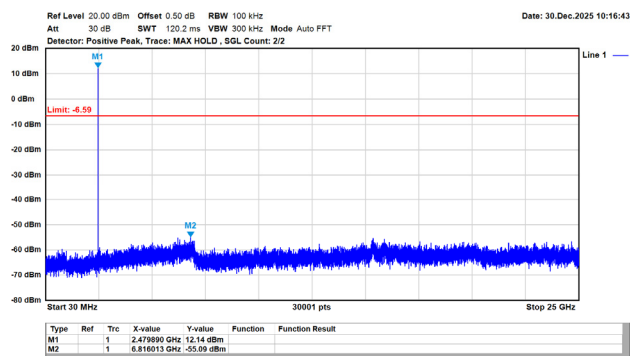
GFSK(DH5) / 2402 MHz



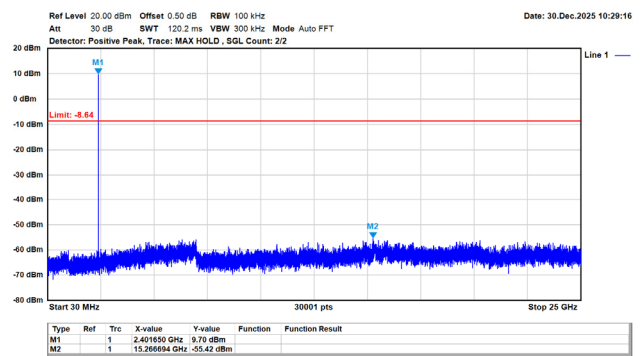
GFSK(DH5) / 2441 MHz



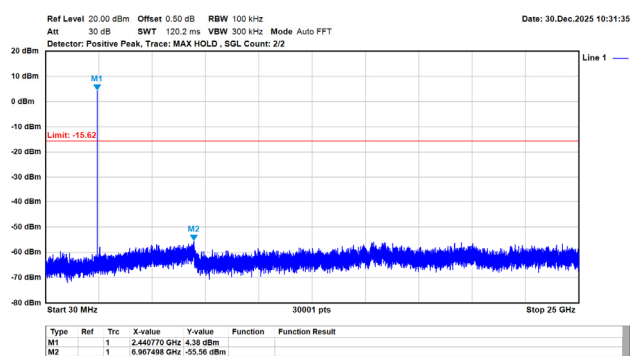
GFSK(DH5) / 2480 MHz



8DPSK(3DH5) / 2402 MHz



8DPSK(3DH5) / 2441 MHz



8DPSK(3DH5) / 2480 MHz

