

Test Report No:
2550032R-RFUSV01S-B

TEST REPORT

FCC Rules&Regulations

Product Name	System-On-Module
Brand Name	AMobile
Model No.	SoM-SD700, SoM-SD510
FCC ID	2AQ5W-SOM510-700
Applicant's Name / Address	AMobile Solutions Corp. 8F.-1, No.700, Zhongzheng Rd., Zhonghe Dist., New Taipei City 235, Taiwan
Manufacturer's Name / Address	AMobile Solutions Corp. 8F.-1, No.700, Zhongzheng Rd., Zhonghe Dist., New Taipei City 235, Taiwan
Test Method Requested, Standard	FCC CFR Title 47 Part 15 Subpart C Section 15.247 ANSI C63.10-2013
Verdict Summary	IN COMPLIANCE
Documented By	 Vera Hsu
Approved By	 Allen Lin
Date of Receipt	May 05, 2025
Date of Issue	Jul. 15, 2025
Report Version	V1.0

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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	Jul. 15, 2025

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 Conducted Output Power	PASS	-
7	Number of Hopping Frequency	PASS	-
8	Dwell Time	PASS	-
9	Antenna Port Conducted Emission	PASS	-
10	Transmitter Radiated Spurious 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.

Comments and Remarks

The product specification and testing instructions for the EUT declared in the report are provided by the manufacturer who will take all responsibilities for the accuracy.

1. General Information

1.1. EUT Description

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

The difference for each model is shown as below:

EUT	Model No.	Platform	Description
1	SoM-SD700	MT8390	The differences are platform and CPU/GPU. All under same layout.
2	SoM-SD510	MT8370	

From the above models, model: SoM-SD700 was selected as representative model for the test and its data was recorded in this report.

Antenna Information				
Ant.	Brand Name	Part No.	Type	Gain (dBi)
1	Cortec	AN0750-74S05BSM	Dipole	2.85

1.2. EUT Information

EUT Power Type	From Adapter / Host system
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1.3. Testing Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ 47 CFR FCC Part 15
- ♦ ANSI C63.10-2013

The following reference test guidance is not within the scope of accreditation of TAF:

- ♦ KDB 558074 D01 v05r02
- ♦ KDB 414788 D01 v01r01

1.4. Testing Location Information

Testing Location Information		
Test Laboratory : DEKRA Testing and Certification Co., Ltd.		
1 (TAF: 3024)	ADD: No.372-2, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan, R.O.C. TEL: +886-3-582-8001 FAX: +886-3-582-8958 Test site Designation No. TW3024 with FCC. Conformity Assessment Body Identifier (CABID) TW3024 with ISCED.	
2 (TAF: 3024)	ADD: No.372, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan, R.O.C. TEL: +886-3-582-8001 FAX: +886-3-582-8958 Test site Designation No. TW3024 with FCC. Conformity Assessment Body Identifier (CABID) TW3024 with ISCED.	
Test site number for address 1 includes HC-SR02 and HC-CB10. Test site number for address 2 includes HC-CB02, HC-CB03, HC-CB04, HC-SR10 and HC-SR12.		

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
AC Conduction Emission	HC-SR02	Cyril Chen	25 / 65	2025/05/29
RF Conducted Emission	HC-SR12	Scott Chang	24.5~25.4 / 46.4~50.4	2025/05/23~2025/05/27
Radiated Emission	HC-CB04	Jason Yang Cyril Chen	21.3~23.5 / 53~63	2025/05/22~2025/05/28

1.5. Measurement Uncertainty

Uncertainties have been calculated according to the DEKRA internal document with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)).

Test item	Uncertainty
AC Power Line Conducted Emission	± 2.34 dB
20dB Bandwidth	± 282.55 Hz
Carrier Frequency Separation	± 282.55 Hz
Maximum Conducted Output Power	± 1.16 dB
Number of Hopping Frequency	N/A
Dwell Time	± 19.555 msec
Antenna Port Conducted Emission	± 2.47 dB
Transmitter Radiated Spurious Emission	± 3.52 dB below 1 GHz ± 3.56 dB above 1 GHz

1.6. List of Test Equipment

HC-SR02

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Cal. Date	Next Cal. Date
Artificial Mains Network	R&S	ENV4200	848411/010	9kHz-30MHz, 4line/100A	2024/12/02	2025/12/01
EMI Test Receiver	R&S	ESR3	102608	9 kHz - 3.6 GHz	2024/09/11	2025/09/10
Two-Line V-Network	R&S	ENV216	100096	9kHz-30MHz	2024/06/03	2025/06/02
Coaxial Cable(9 m)	Harbour	RG-400	HC-SR02	9 kHz–2500 MHz	2024/08/15	2025/08/14
EMI Testing System	Audix	e3 210616 dekra V9	HC-SR02	N/A	N/A	N/A

HC-SR12

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Cal. Date	Next Cal. Date
Signal & Spectrum Analyzer	R&S	FSV40	101869	10Hz-40GHz	2024/06/20	2025/06/19
High Speed Peak Power Meter Dual Input	Anritsu	ML2496A	1602004	0.3-40 GHz	2024/10/29	2025/10/28
Pulse Power Sensor	Anritsu	MA2411B	1531043	0.3-40 GHz	2024/10/29	2025/10/28

HC-CB04

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Cal. Date	Next Cal. Date
Signal and Spectrum Analyzer	R&S	FSVA40	101435	10 Hz-40 GHz	2025/05/20	2026/05/19
Trilog Broadband Antenna	Schwarzbeck	VULB 9168	1209	30 MHz-2 GHz	2024/06/11	2025/06/10
Double Ridged Horn Antenna	RF SPIN	DRH18-E	211212A18EN	1G-18GHz	2024/11/26	2025/11/25
Horn Antenna	Schwarzbeck	BBHA 9170	203	18G-40GHz	2025/01/14	2026/01/13
Pre-Amplifier	DEKRA	AP-400C	201801231	18G-40 GHz,48 dB	2024/10/15	2025/10/14
Coaxial Cable	Huber+Suhner	SF104	HC-CB04	30 MHz-18 GHz, 11m	2024/08/07	2025/08/06
Coaxial Cable	Huber+Suhner, Rosnol	SF102_UP0264	HC-CB04-1	18-40 GHz, 3m	2024/08/13	2025/08/12
Radiated Software	Audix	e3 V9	HC-CB04_1	N/A	N/A	N/A
Pre-Amplifier	EMCI	EMC01820I	980364	30M-8 GHz,20 dB	2024/06/04	2025/06/03
Pre-Amplifier	EMEC	EM01G18GA	060835	1-18 GHz,50 dB	2024/07/16	2025/07/15
DEKRA Testing System	DEKRA	Version 2.0	HC-CB04	N/A	N/A	N/A
Radiated Software	Audix	e3 V9	HC-CB04_1	N/A	N/A	N/A

Note: All equipment upon which need to calibrated are with calibration period of 1 year.

2. Test Configuration of EUT

2.1. Test Condition

EUT Operational Condition	
Testing Voltage	AC 120V/60Hz

2.2. Test Frequency Mode

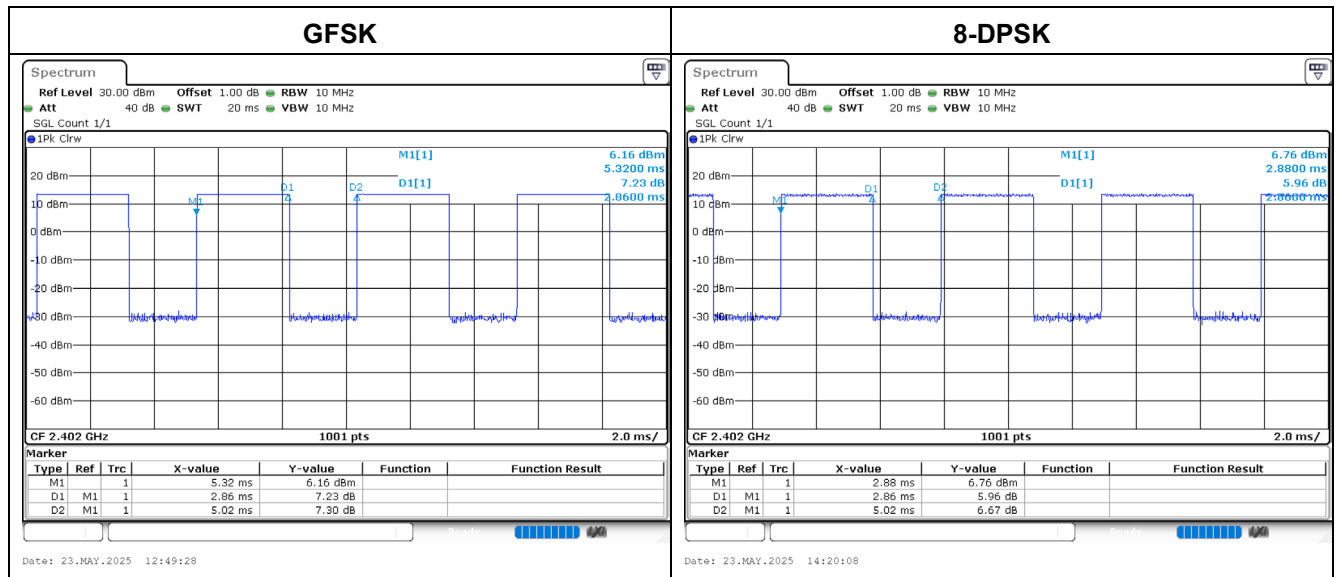
Test Software	cmd
---------------	-----

Modulation	Frequency (MHz)	Power Setting
GFSK	2402	7
	2440	7
	2480	7
8-DPSK	2402	7
	2440	7
	2480	7

2.3. Duty Cycle

Modulation	On Times (ms)	On+Off Times (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
GFSK	2.860	5.020	56.97%	-4.89
8-DPSK	2.860	5.020	56.97%	-4.89

Note: If the duty cycle correction factor lower than -20dB, the Max. duty cycle correction factor is -20dB.



2.4. The Worst Case Measurement Configuration

Tests Item	AC Power Line Conducted Emission
Test Condition	AC power line conducted measurement for line and neutral
Operating Mode	Transmit
1	EUT 1 + Adapter
2	EUT 1 + Notebook (Host System)

Tests Item	20dB Bandwidth Carrier Frequency Separation Maximum Conducted Output Power Number of Hopping Frequency Dwell Time Antenna Port Conducted Emission
Test Condition	Conducted measurement at transmit chains

Tests Item	Transmitter Radiated Spurious Emission
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	Transmit
1	EUT 1 + Adapter
2	EUT 1 + Notebook (Host System)
3	EUT 2 + Notebook (Host System)
Operating Mode > 1GHz	Transmit

Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Transmit
1	Bluetooth + WiFi 2.4GHz
2	Bluetooth + WiFi 5GHz
Refer to Appendix I for Radiated Emission Co-location.	

Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	Transmit
1	Bluetooth + WiFi 2.4GHz
2	Bluetooth + WiFi 5GHz
Refer to DEKRA Test Report No.: 2550032R-RFUSV17S-A for Co-location RF Exposure Evaluation.	

Note:

1. Determining compliance shall be based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
2. Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
3. For radiated spurious emission below 1 GHz and AC power line conducted emission have performed all modes of operation were investigated and the worst-case emissions are reported.

2.5. Tested System Details

Test Mode: Mode 1

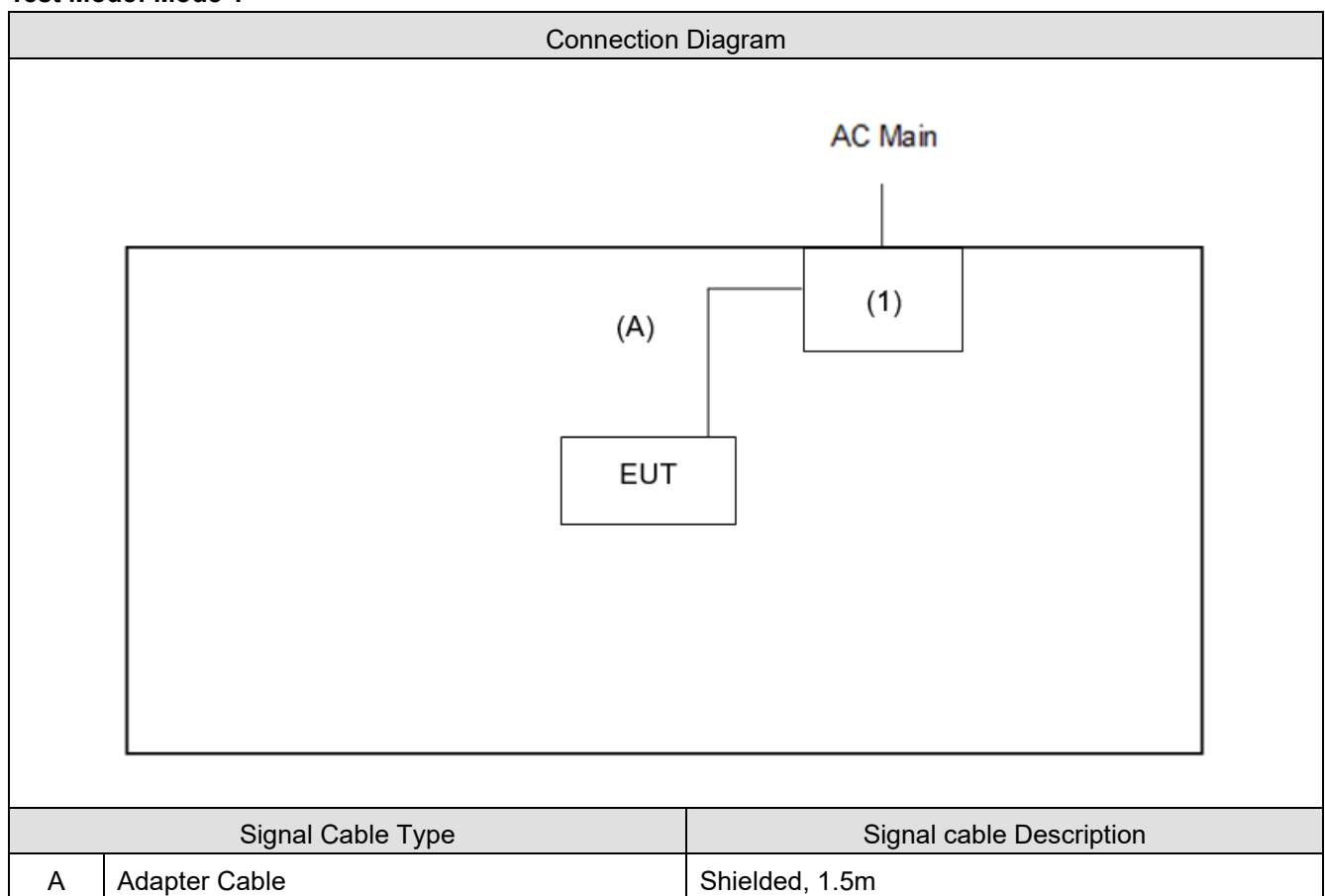
No.	Equipment	Brand Name	Model No.	Serial No.
1	Adaptor	Channel Well Technology Co., Ltd	N/A	-

Test Mode: Mode 2 / Mode 3

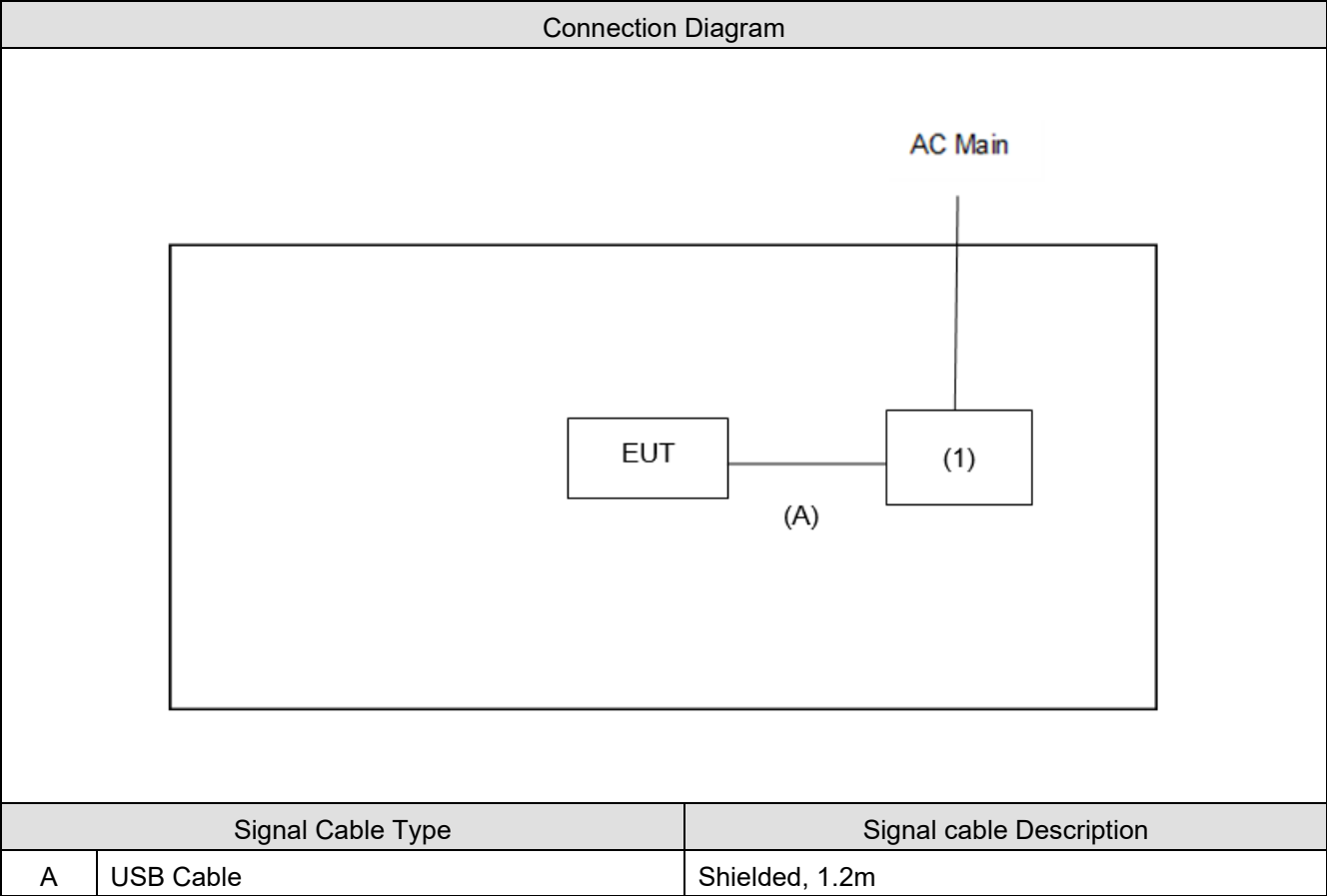
No.	Equipment	Brand Name	Model No.	Serial No.
1	Notebook	Lenovo	Lenovo Ideapad 320	PF0SXXY1

2.6. Configuration of Tested System

Test Mode: Mode 1

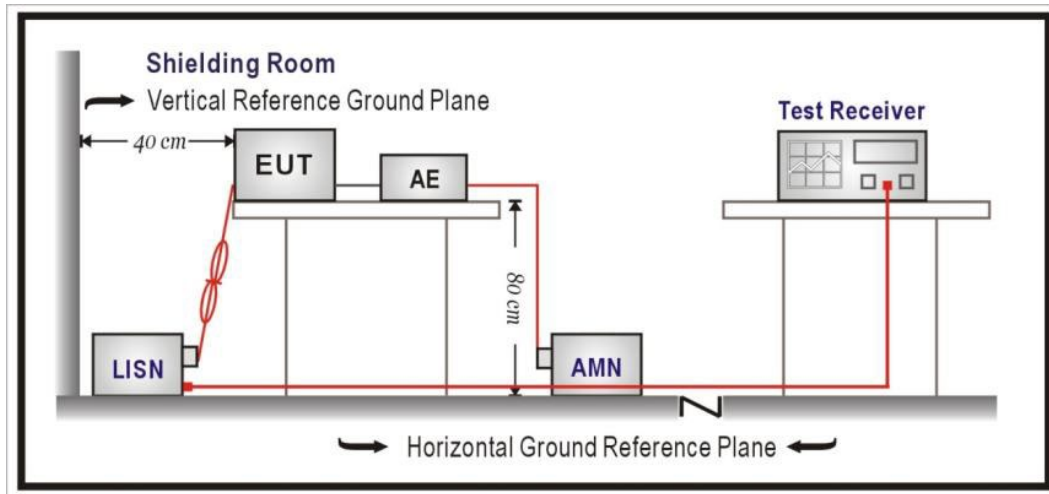


Test Mode: Mode 2 / Mode 3



3. AC Power Line Conducted Emission

3.1. Test Setup



3.2. Test Limit

Frequency (MHz)	QP (dBuV)	AV (dBuV)
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

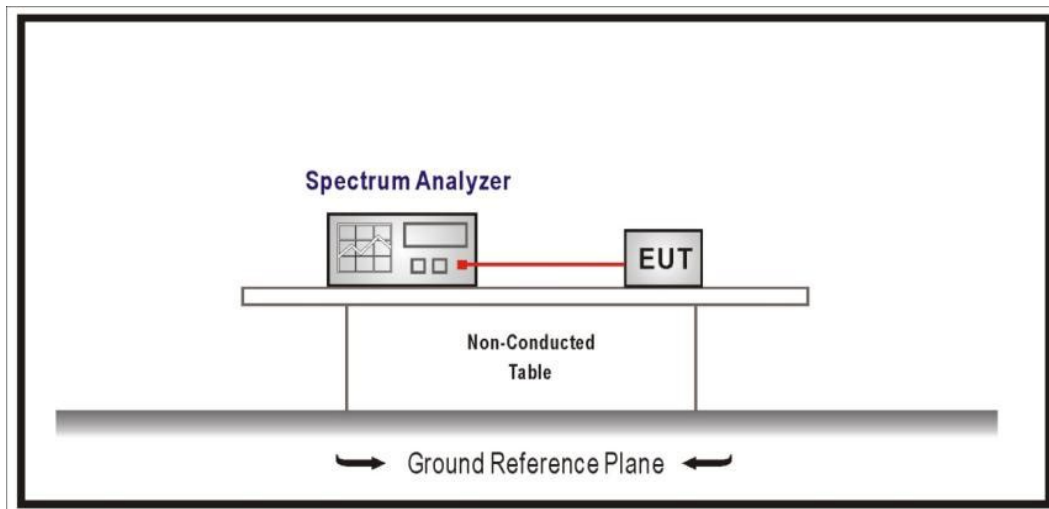
The EUT was setup according to ANSI C63.10: 2013 for AC Power Line Conducted Emissions.

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

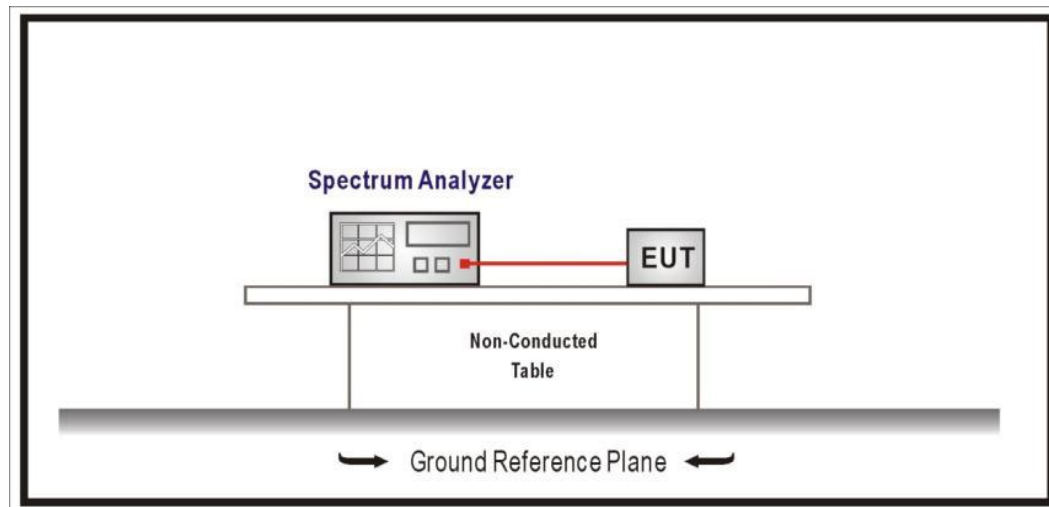
The EUT was setup according to ANSI C63.10: 2013 and tested according to FHSS test procedure of KDB 558074.

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 an 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

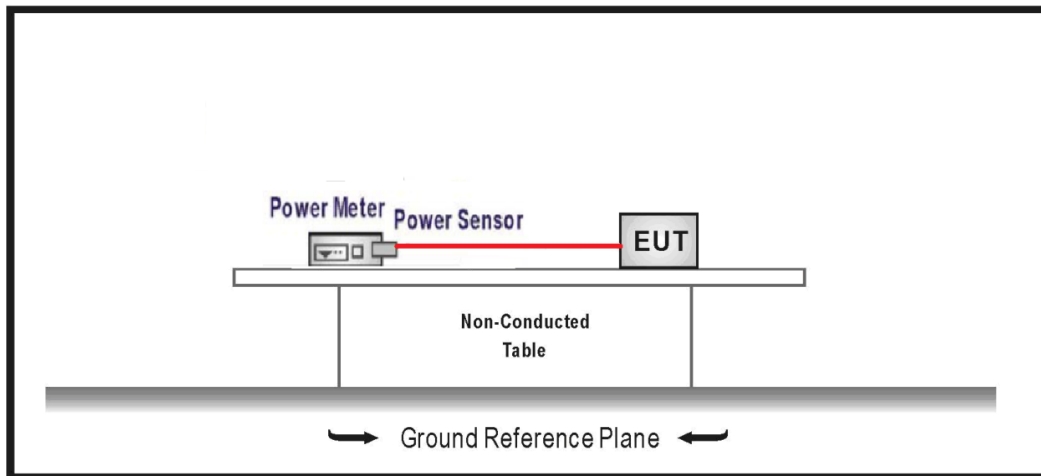
The EUT was setup according to ANSI C63.10: 2013 and tested according to FHSS test procedure of KDB 558074.

5.4. Test Result of Carrier Frequency Separation

Refer as Appendix C

6. Maximum 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. $75 >$ 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

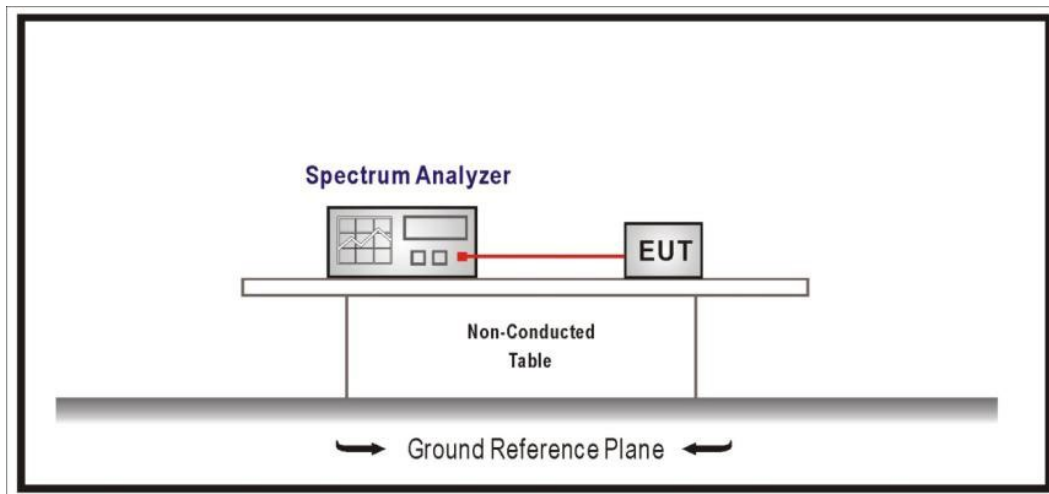
The EUT was setup according to ANSI C63.10: 2013 and tested according to FHSS test procedure of KDB 558074.

6.4. Test Result of Maximum 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

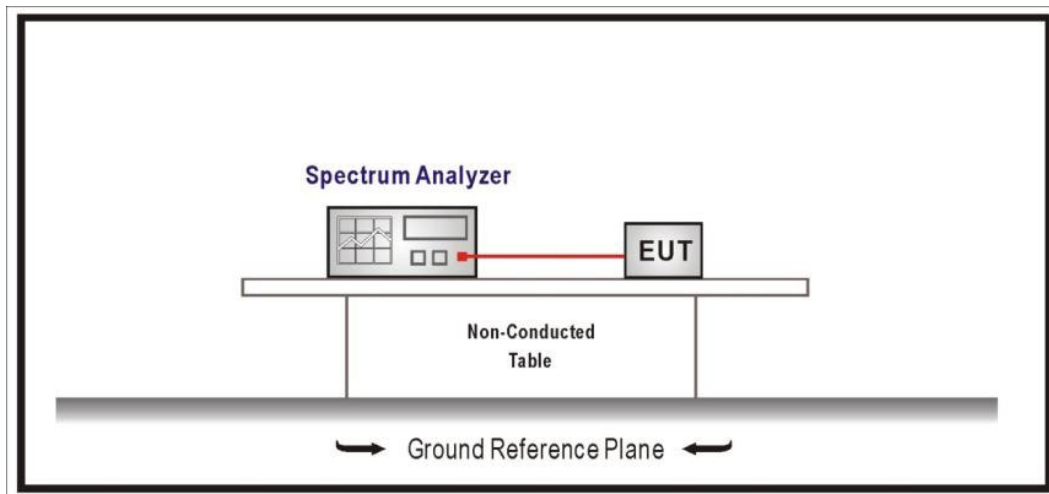
The EUT was setup according to ANSI C63.10: 2013 and tested according to FHSS test procedure of KDB 558074.

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

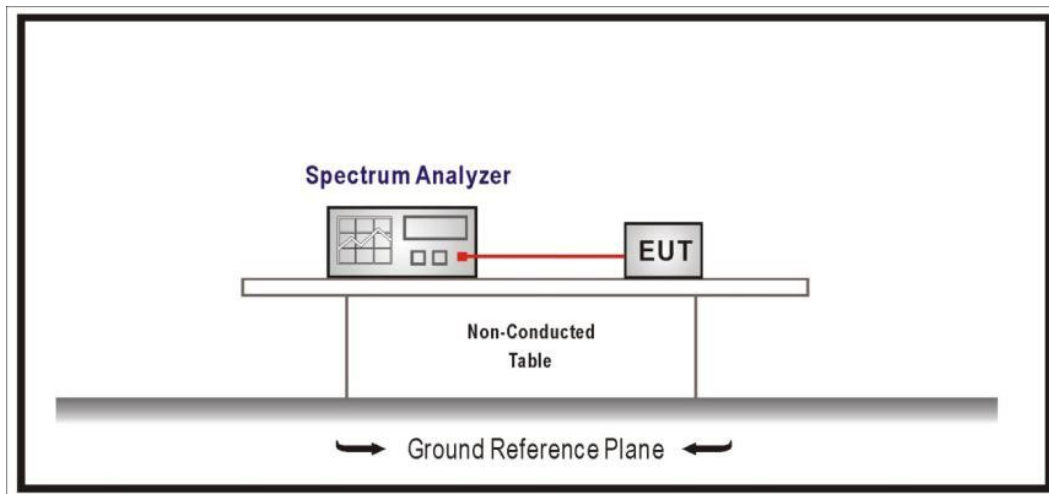
The EUT was setup according to ANSI C63.10: 2013 and tested according to FHSS test procedure of KDB 558074.

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: 2013 and tested according to FHSS test procedure of KDB 558074.

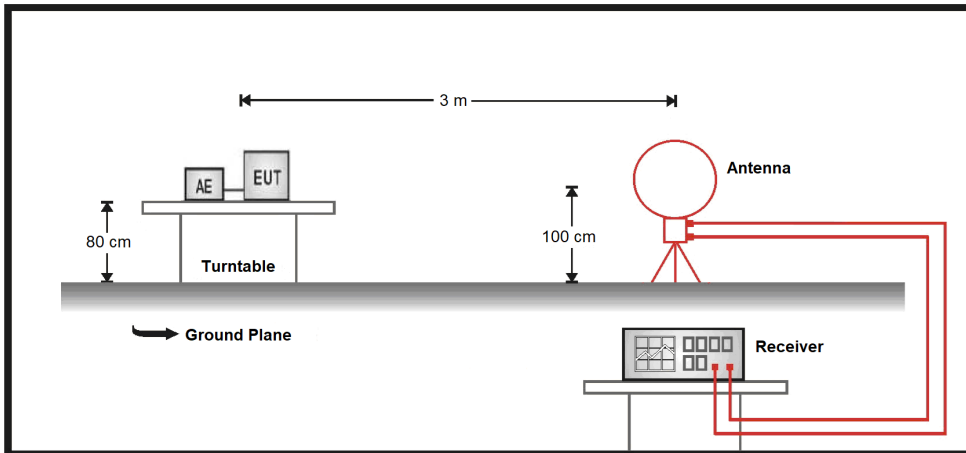
9.4. Test Result of Antenna Port Conducted Emission

Refer as Appendix G

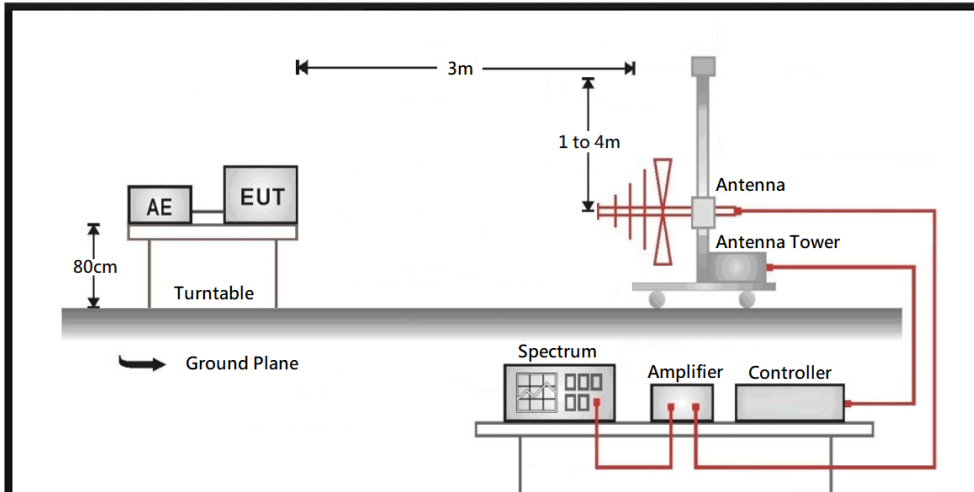
10. Transmitter Radiated Spurious Emission

10.1. Test Setup

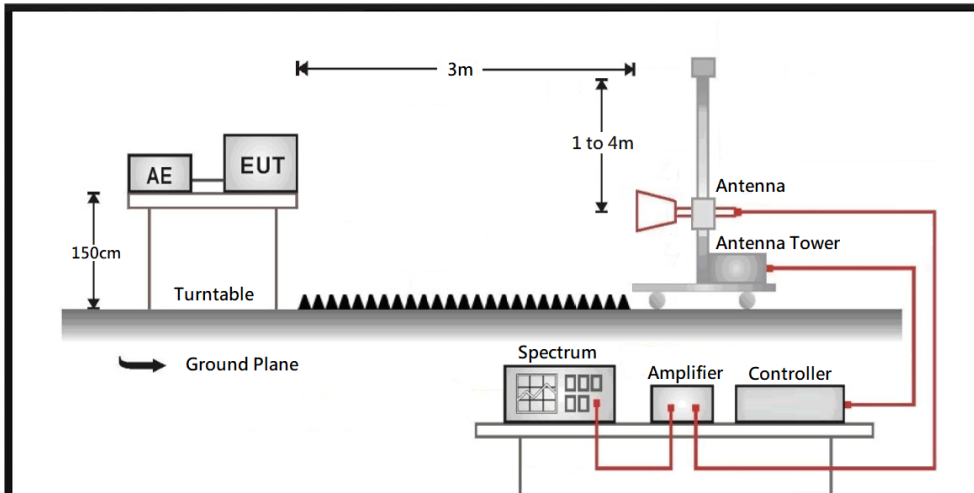
9 kHz ~ 30 MHz



30 MHz ~ 1 GHz



Above 1 GHz



10.2. Test Limit

Frequency (MHz)	Field strength (uV/m)	Field strength (dBuV/m)	Measurement distance (m)
0.009 – 0.490	2400/F(kHz)	20 log (2400/F(kHz))	300
0.490 – 1.705	24000/F(kHz)	20 log (24000/F(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 (dBuV/m) = 20 log Field strength (uV/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: 2013 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: 2013 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 Transmitter Radiated Spurious Emission (Below 30 MHz)

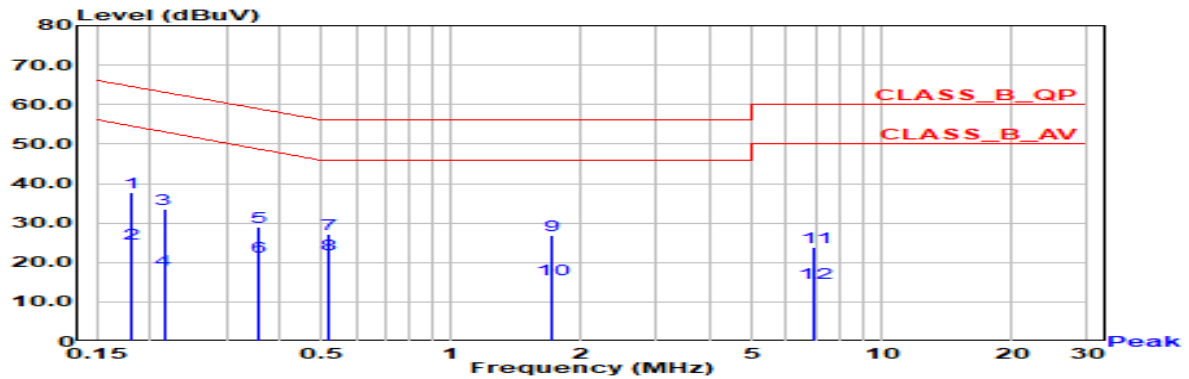
The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

10.5. Test Result of Transmitter Radiated Spurious Emission

Refer as Appendix H

Appendix A. Test Result of AC Power Line Conducted Emission

Test Mode	Mode 1	Phase	Line
Test Condition	Bluetooth		

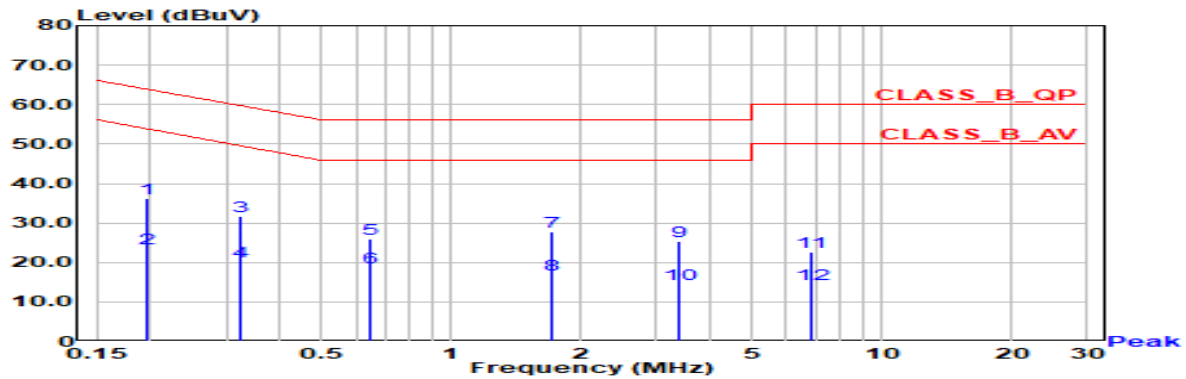


No	Frequency (MHz)	Emission Level (dBUV)	Limit (dBUV)	Margin (dB)	Reading Level (dBUV)	Correct Factor (dB)	Detector Type
1	0.180	37.86	64.50	-26.65	28.24	9.62	QP
2	0.180	24.67	54.50	-29.83	15.05	9.62	AV
3	0.215	33.48	63.02	-29.54	23.85	9.63	QP
4	0.215	17.97	53.02	-35.05	8.34	9.63	AV
5	0.356	29.09	58.82	-29.73	19.45	9.64	QP
6	0.356	21.58	48.82	-27.24	11.94	9.64	AV
7	0.522	27.12	56.00	-28.88	17.47	9.65	QP
*8	0.522	21.95	46.00	-24.05	12.29	9.65	AV
9	1.712	26.82	56.00	-29.18	17.08	9.74	QP
10	1.712	15.76	46.00	-30.24	6.02	9.74	AV
11	6.978	23.92	60.00	-36.08	13.95	9.97	QP
12	6.978	14.92	50.00	-35.08	4.96	9.97	AV

Note:

1. "*" means this data is the worst emission level.
2. Emission Level = Reading Level + Correct Factor (Correct Factor = LISN Insertion Loss + Cable Loss).
3. Margin = Emission Level - Limit.

Test Mode	Mode 1	Phase	Neutral
Test Condition	Bluetooth		

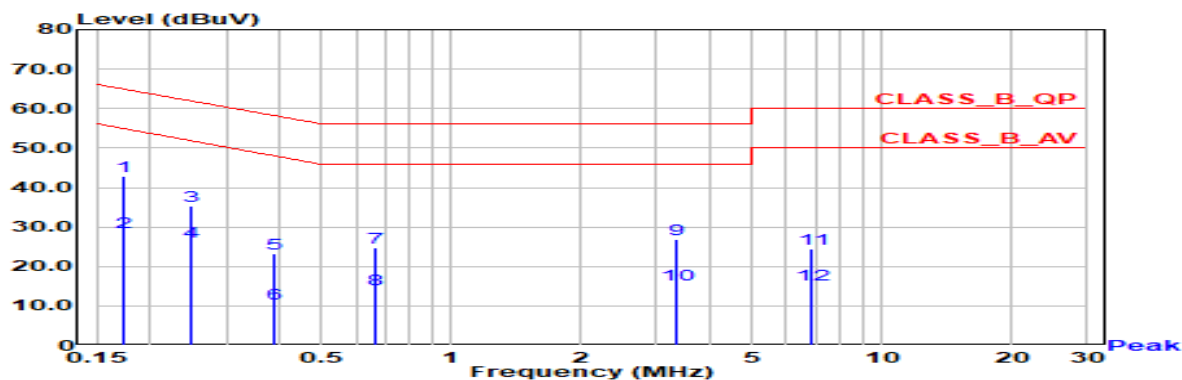


No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	0.196	36.11	63.78	-27.67	26.49	9.62	QP
2	0.196	23.53	53.78	-30.25	13.90	9.62	AV
3	0.324	31.56	59.59	-28.03	21.93	9.63	QP
4	0.324	20.24	49.59	-29.35	10.60	9.63	AV
5	0.650	25.96	56.00	-30.04	16.29	9.67	QP
*6	0.650	18.78	46.00	-27.22	9.11	9.67	AV
7	1.710	27.76	56.00	-28.24	18.01	9.75	QP
8	1.710	16.88	46.00	-29.12	7.12	9.75	AV
9	3.370	25.44	56.00	-30.56	15.60	9.83	QP
10	3.370	14.39	46.00	-31.61	4.56	9.83	AV
11	6.868	22.59	60.00	-37.41	12.60	9.99	QP
12	6.868	14.43	50.00	-35.57	4.44	9.99	AV

Note:

1. "*" means this data is the worst emission level.
2. Emission Level = Reading Level + Correct Factor (Correct Factor = LISN Insertion Loss + Cable Loss).
3. Margin = Emission Level - Limit.

Test Mode	Mode 2	Phase	Line
Test Condition	Bluetooth		

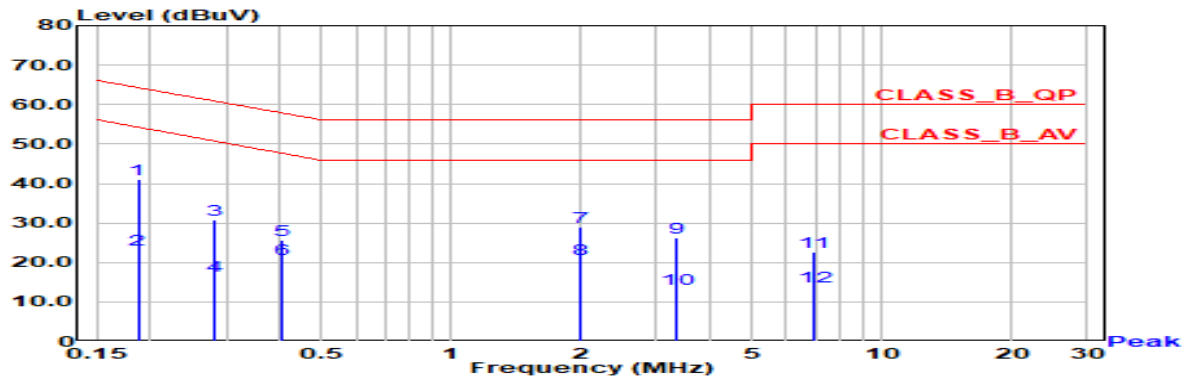


No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
*1	0.172	42.98	64.85	-21.86	33.36	9.62	QP
2	0.172	28.75	54.85	-26.09	19.13	9.62	AV
3	0.247	35.43	61.85	-26.42	25.80	9.63	QP
4	0.247	26.33	51.85	-25.53	16.70	9.63	AV
5	0.388	23.21	58.10	-34.89	13.57	9.64	QP
6	0.388	10.64	48.10	-37.46	1.00	9.64	AV
7	0.665	24.81	56.00	-31.19	15.14	9.67	QP
8	0.665	14.12	46.00	-31.88	4.45	9.67	AV
9	3.348	26.87	56.00	-29.13	17.04	9.83	QP
10	3.348	15.50	46.00	-30.50	5.66	9.83	AV
11	6.883	24.42	60.00	-35.58	14.43	9.99	QP
12	6.883	15.47	50.00	-34.53	5.48	9.99	AV

Note:

1. "*" means this data is the worst emission level.
2. Emission Level = Reading Level + Correct Factor (Correct Factor = LISN Insertion Loss + Cable Loss).
3. Margin = Emission Level - Limit.

Test Mode	Mode 2	Phase	Neutral
Test Condition	Bluetooth		



No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
*1	0.187	40.94	64.17	-23.23	31.32	9.62	QP
2	0.187	23.13	54.17	-31.03	13.51	9.62	AV
3	0.283	30.86	60.73	-29.87	21.23	9.63	QP
4	0.283	16.60	50.73	-34.12	6.97	9.63	AV
5	0.402	25.65	57.82	-32.17	16.00	9.64	QP
6	0.402	20.96	47.82	-26.86	11.32	9.64	AV
7	2.000	28.87	56.00	-27.13	19.10	9.77	QP
8	2.000	20.75	46.00	-25.25	10.98	9.77	AV
9	3.348	26.16	56.00	-29.84	16.33	9.83	QP
10	3.348	13.29	46.00	-32.71	3.45	9.83	AV
11	6.951	22.55	60.00	-37.45	12.55	9.99	QP
12	6.951	13.96	50.00	-36.04	3.96	9.99	AV

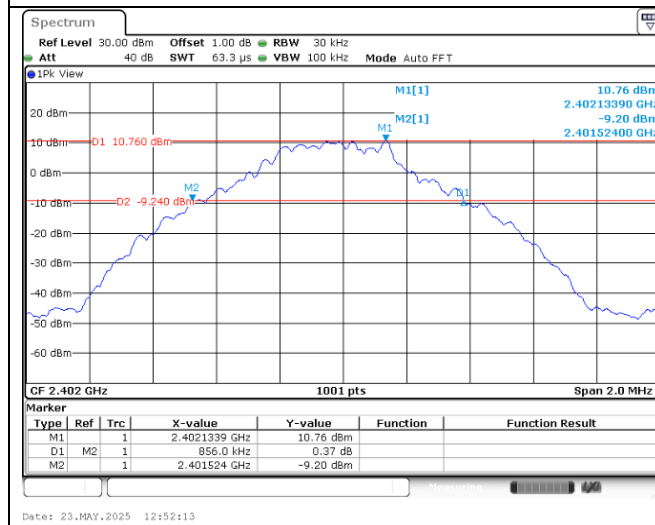
Note:

1. "*" means this data is the worst emission level.
2. Emission Level = Reading Level + Correct Factor (Correct Factor = LISN Insertion Loss + Cable Loss).
3. Margin = Emission Level - Limit.

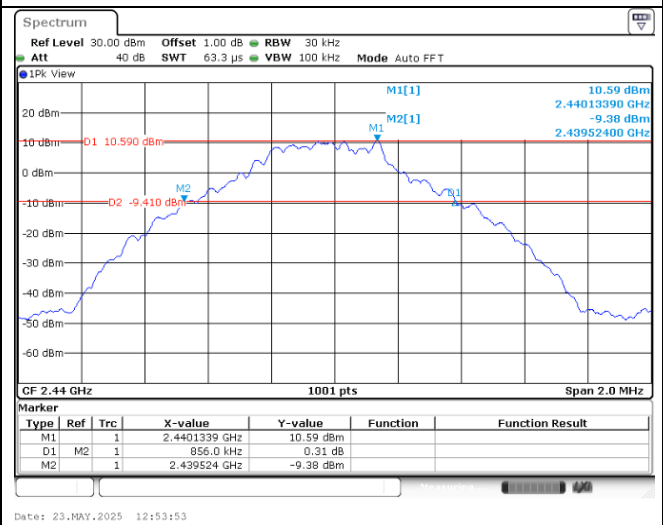
Appendix B. Test Result of 20dB Bandwidth

Modulation	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
GFSK	2402	0.86	-
	2440	0.86	-
	2480	0.86	-
8-DPSK	2402	1.25	-
	2440	1.26	-
	2480	1.25	-

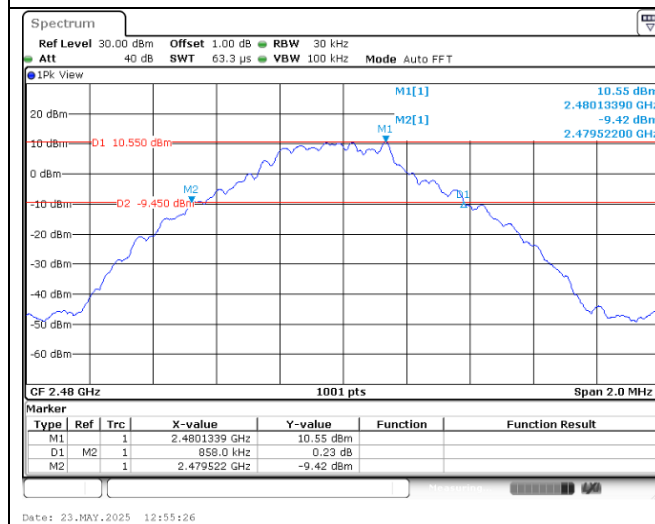
GFSK / 2402 MHz



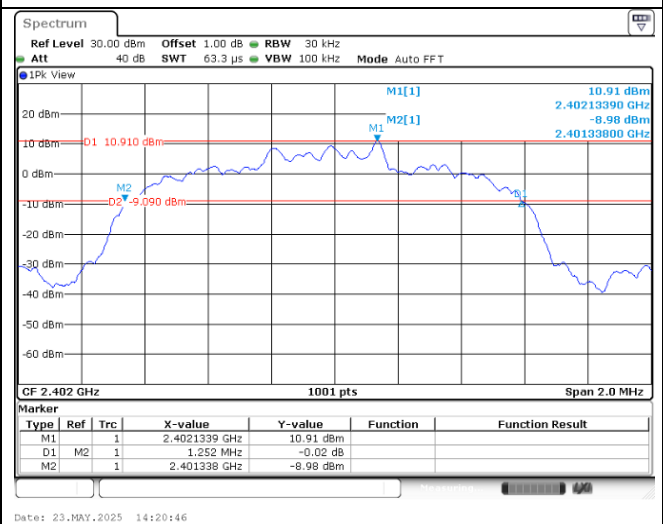
GFSK / 2440 MHz



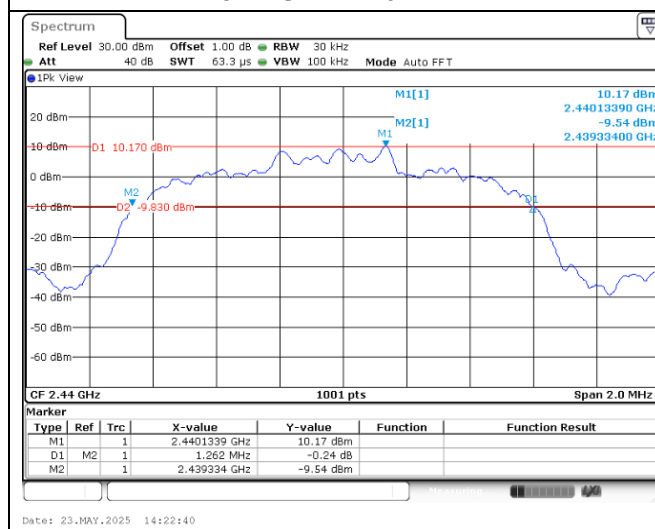
GFSK / 2480 MHz



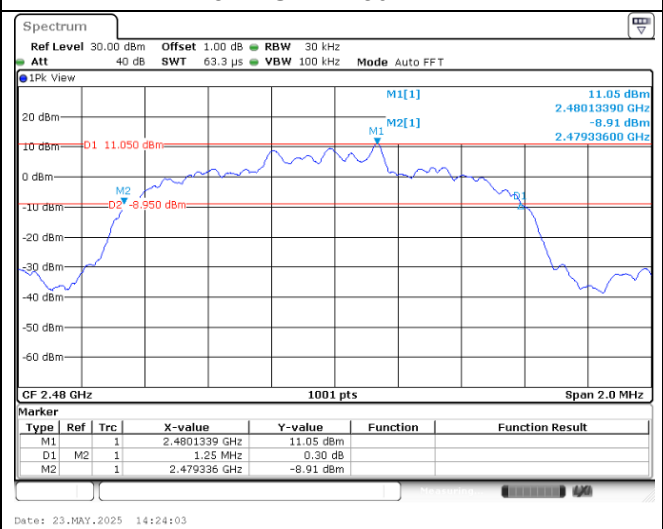
8-DPSK / 2402 MHz



8-DPSK / 2440 MHz



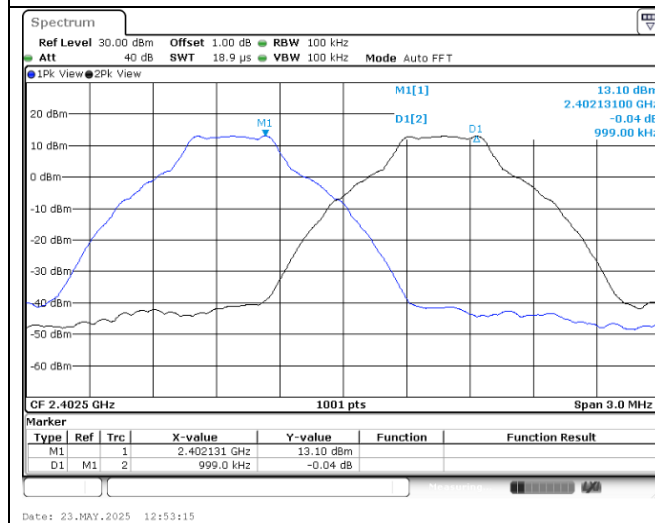
8-DPSK / 2480 MHz



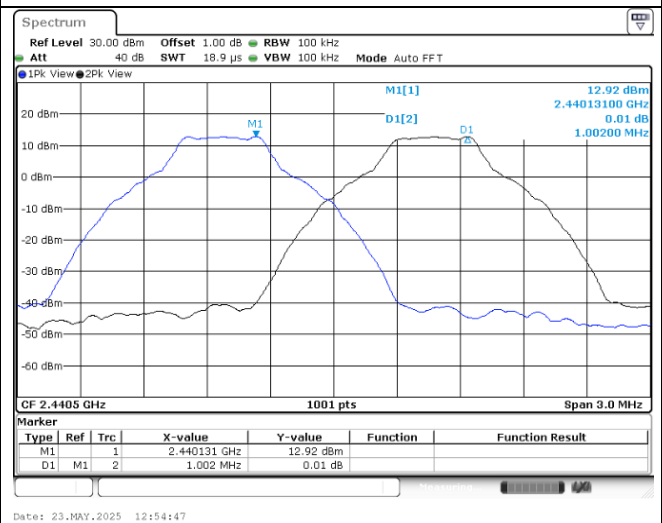
Appendix C. Test Result of Carrier Frequency Separation

Modulation	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
GFSK	2402	0.99	0.57	Pass
	2440	1.00	0.57	Pass
	2480	0.99	0.57	Pass
8-DPSK	2402	1.00	0.83	Pass
	2440	1.00	0.84	Pass
	2480	0.99	0.83	Pass

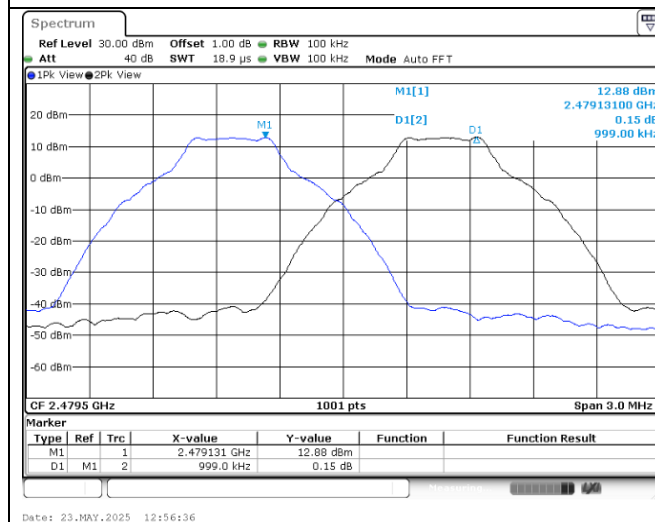
GFSK / 2402 MHz



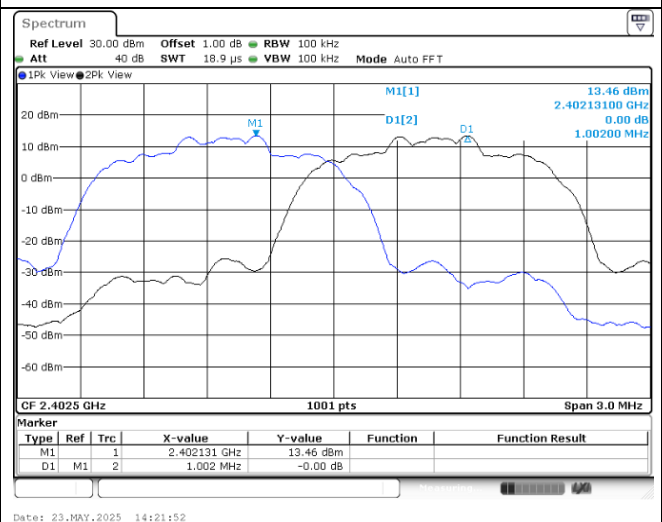
GFSK / 2440 MHz



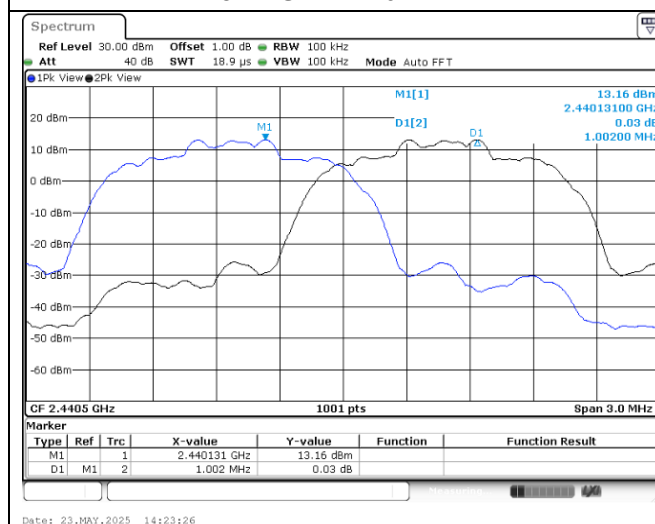
GFSK / 2480 MHz



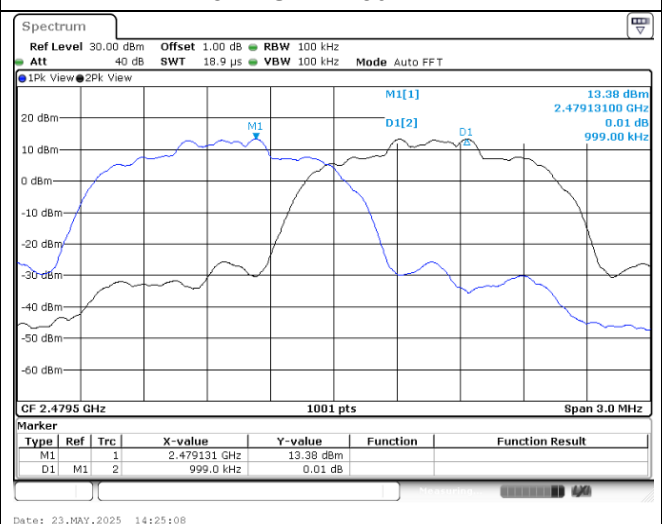
8-DPSK / 2402 MHz



8-DPSK / 2440 MHz



8-DPSK / 2480 MHz

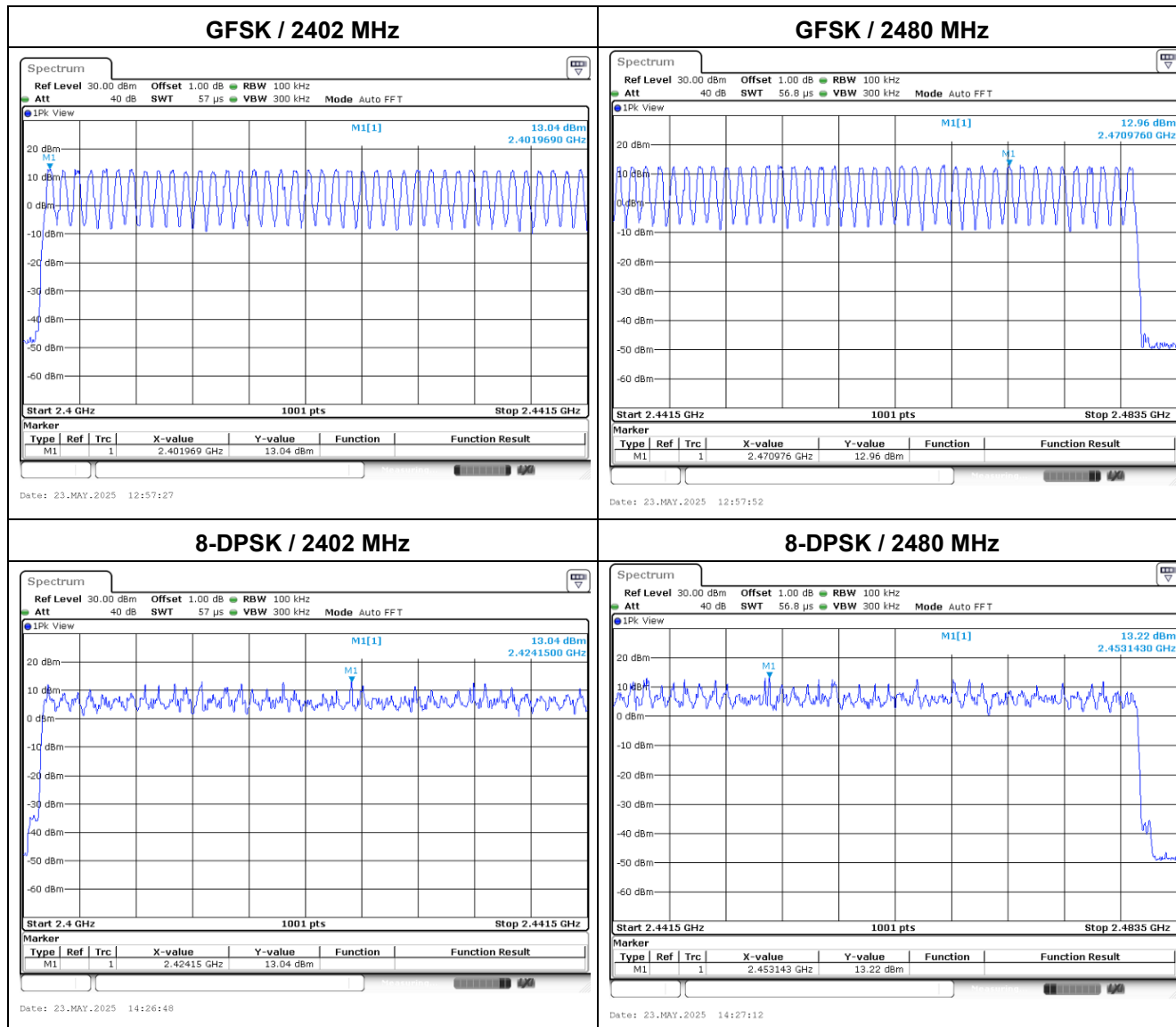


Appendix D. Test Result of Maximum Conducted Output Power

Modulation	Frequency (MHz)	Maximum Conducted Output Power (dBm)		Limit (dBm)	Result
		Average	Peak		
GFSK	2402	13.06	13.37	20.97	Pass
	2440	13.06	13.36	20.97	Pass
	2480	13.14	13.45	20.97	Pass
8-DPSK	2402	10.5	13.17	20.97	Pass
	2440	10.51	13.19	20.97	Pass
	2480	10.53	13.15	20.97	Pass

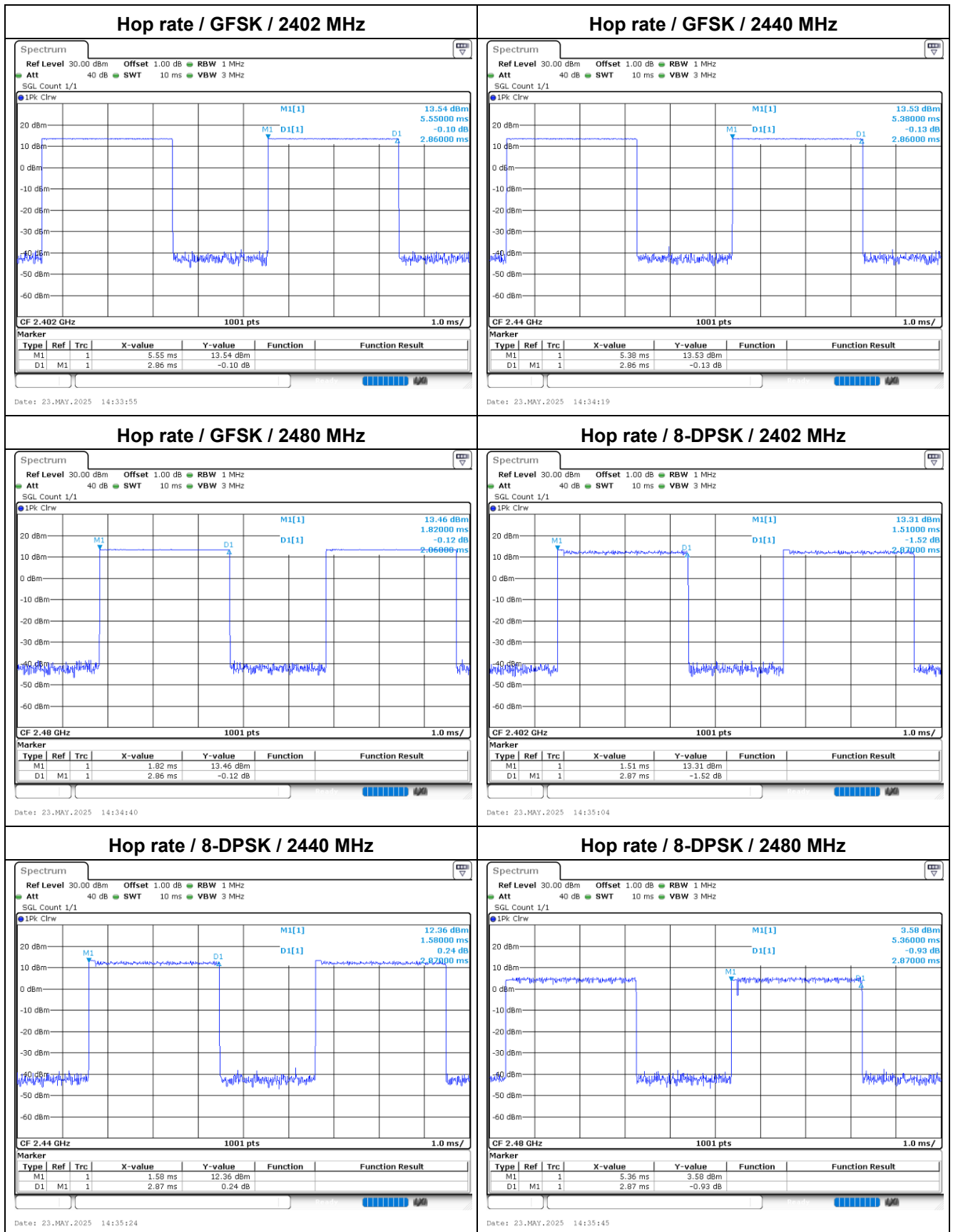
Appendix E. Test Result of Number of Hopping Frequency

Frequency Range (MHz)	Measure Level (Channels)	Limit (Channels)
2400 ~ 2483.5	79	≥ 15



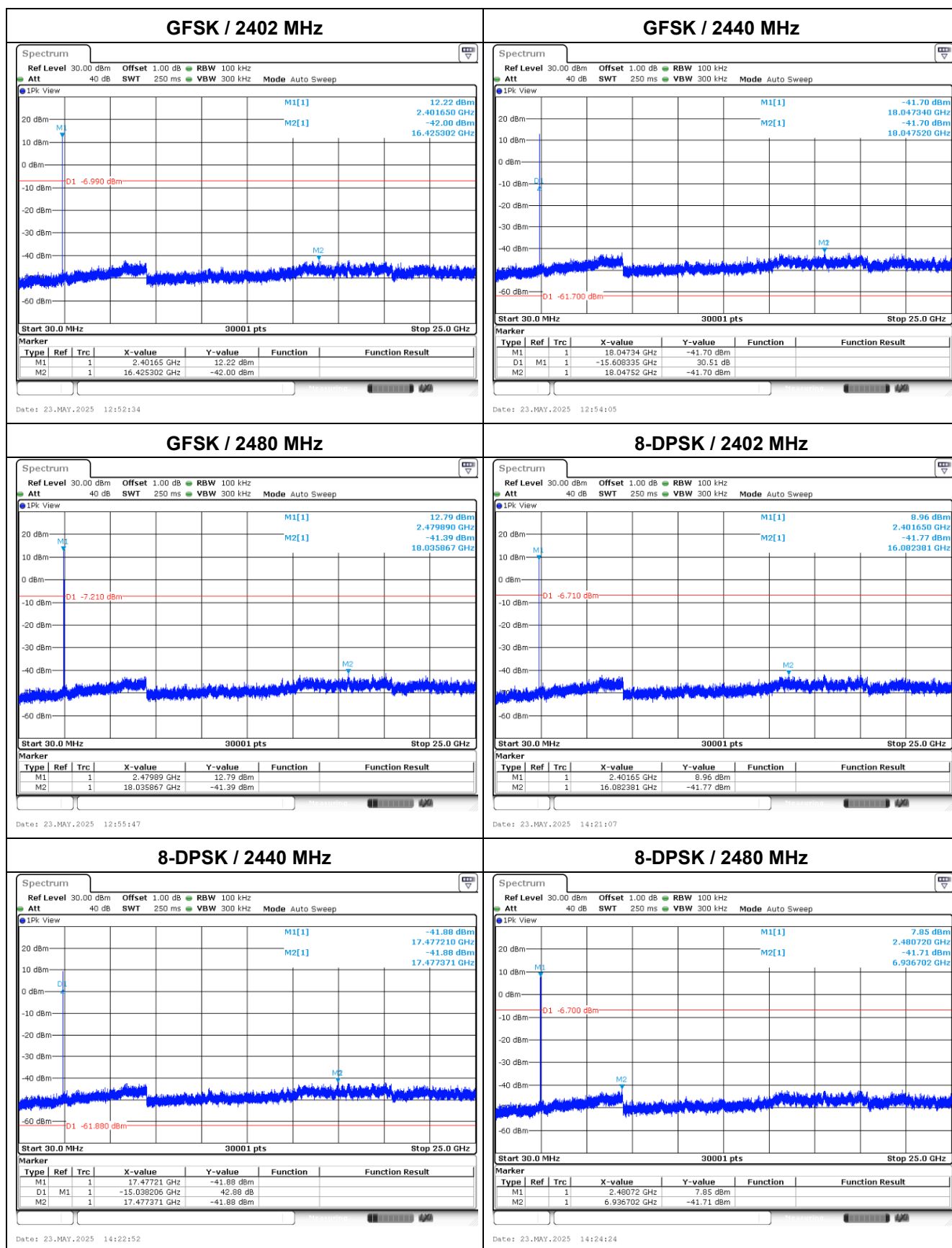
Appendix F. Test Result of Dwell Time

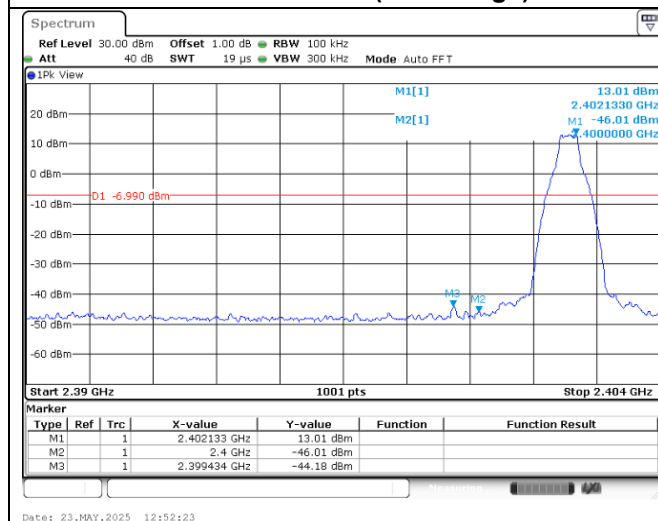
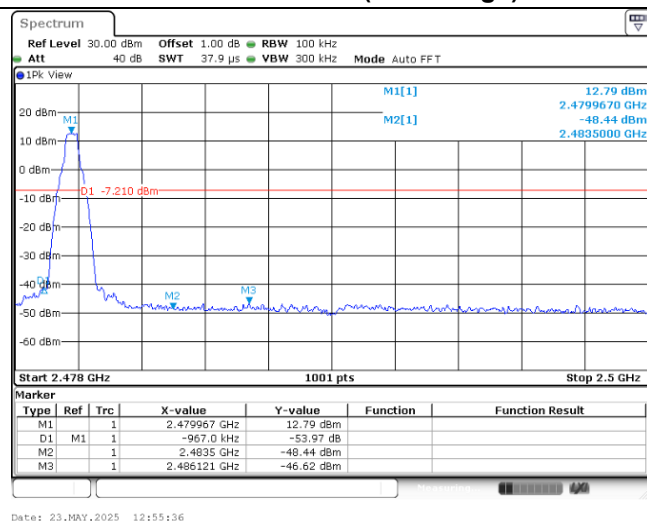
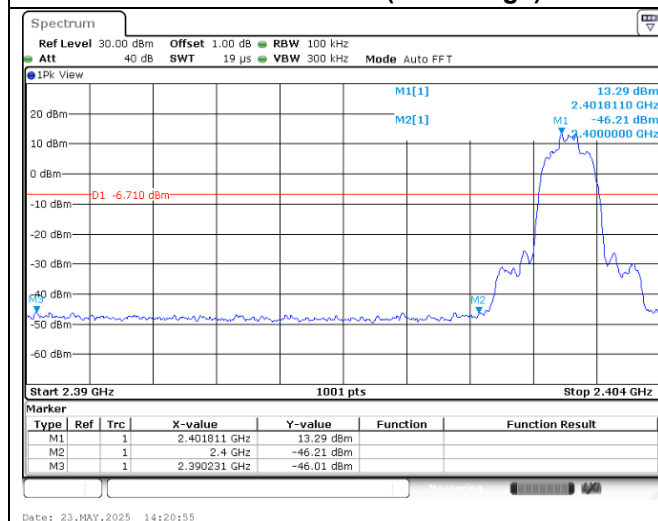
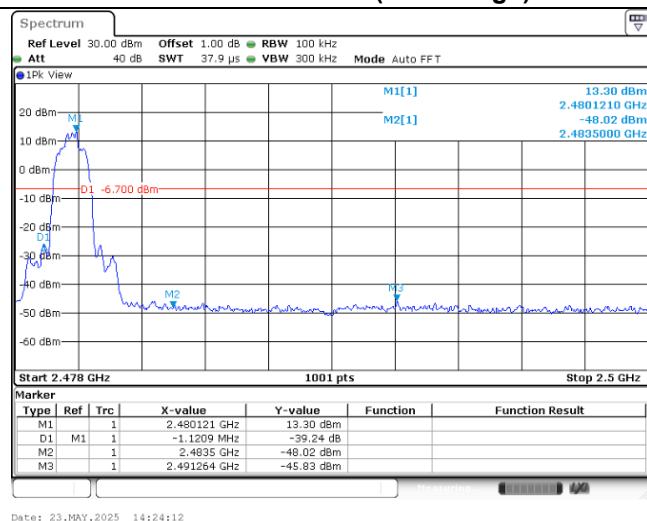
Modulation	Occupancy Time of Frequency Hopping System
GFSK	A) 2402 MHz Test Time Period: $0.4 \times 79 = 31.60$ sec, Time slot length : 2.86 ms = 0.002860 sec Dwell Time : $0.002860 \times (266.67/79) \times 31.60 = 0.305$ sec
	B) 2440 MHz Test Time Period: $0.4 \times 79 = 31.60$ sec, Time slot length : 2.86 ms = 0.002860 sec Dwell Time : $0.002860 \times (266.67/79) \times 31.60 = 0.305$ sec
	C) 2480 MHz Test Time Period: $0.4 \times 79 = 31.60$ sec, Time slot length : 2.86 ms = 0.002860 sec Dwell Time : $0.002860 \times (266.67/79) \times 31.60 = 0.305$ sec
8-DPSK	A) 2402 MHz Test Time Period: $0.4 \times 79 = 31.60$ sec, Time slot length : 2.87 ms = 0.002870 sec Dwell Time : $0.002870 \times (266.67/79) \times 31.60 = 0.306$ sec
	B) 2440 MHz Test Time Period: $0.4 \times 79 = 31.60$ sec, Time slot length : 2.87 ms = 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 ms = 0.002870 sec Dwell Time : $0.002870 \times (266.67/79) \times 31.60 = 0.306$ sec
Test Result: The Average Occupancy Time of Each Highest, Middle and Lowest Channel Is Less Than 0.4 sec, And Corresponds to The Standard.	



Note: Dwell time = time slot length * hop rate / number of hopping channels * period

Appendix G. Test Result of Antenna Port Conducted Emission



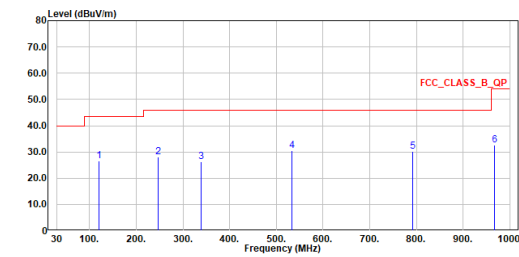
GFSK / 2402 MHz (Band Edge)**GFSK / 2480 MHz (Band Edge)****8-DPSK / 2402 MHz (Band Edge)****8-DPSK / 2480 MHz (Band Edge)**

Appendix H. Test Result of Transmitter Radiated Spurious Emission

30 MHz ~ 1 GHz

Test Mode: Mode 1

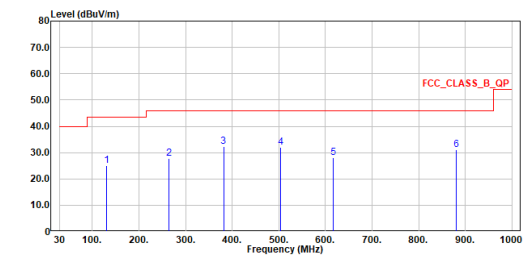
Site :HC-CB04
Condition :3m Horizontal
Mode :GFSK_TX_LF
Test By :Ling Chen



No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	120.016	26.50	43.50	-17.00	31.93	-5.43	QP
2	246.601	28.13	46.00	-17.87	32.64	-4.51	QP
3	338.072	26.12	46.00	-19.88	27.77	-1.65	QP
4	533.721	30.41	46.00	-15.59	27.58	2.83	QP
5	791.159	30.21	46.00	-15.79	22.45	7.76	QP
6	967.990	32.57	54.00	-21.43	22.76	9.81	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m Vertical
Mode :GFSK_TX_LF
Test By :Ling Chen

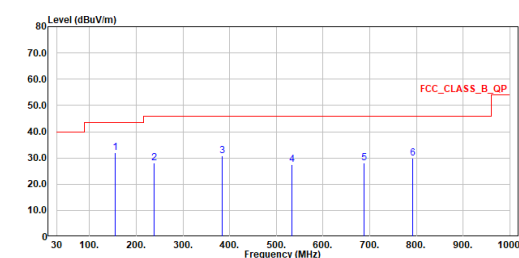


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	131.268	25.02	43.50	-18.48	29.53	-4.51	QP
2	263.964	27.68	46.00	-18.32	31.68	-4.00	QP
3	381.334	32.32	46.00	-13.68	32.87	-0.55	QP
4	504.039	31.93	46.00	-14.07	29.70	2.23	QP
5	616.171	27.96	46.00	-18.04	23.12	4.84	QP
6	880.981	31.00	46.00	-15.00	22.59	8.41	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.
5. The other emission levels were very low against the limit.

Test Mode: Mode 2

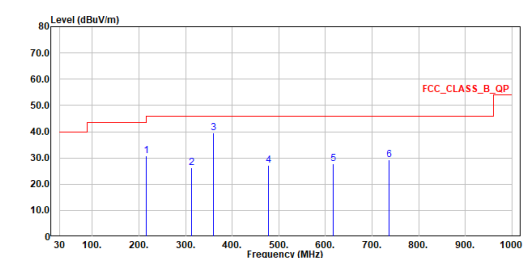
Site :HC-CB04
Condition :3m Horizontal
Mode :GFSK_TX_LF
Test By :Ling Chen



No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	155.130	32.02	43.50	-11.48	34.91	-2.89	QP
2	238.453	28.13	46.00	-17.87	32.95	-4.82	QP
3	383.614	30.78	46.00	-15.22	31.24	-0.46	QP
4	533.382	27.62	46.00	-18.38	24.79	2.83	QP
5	687.757	27.96	46.00	-18.04	22.04	5.92	QP
6	791.984	29.86	46.00	-16.14	22.10	7.76	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m Vertical
Mode :GFSK_TX_LF
Test By :Ling Chen

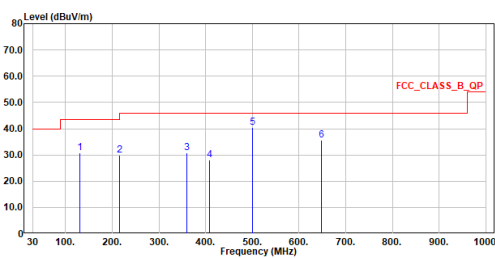


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	215.998	30.74	43.50	-12.76	37.32	-6.58	QP
2	311.979	26.13	46.00	-19.87	28.48	-2.35	QP
3	359.994	39.58	46.00	-6.42	41.05	-1.47	QP
4	478.092	27.18	46.00	-18.82	25.40	1.78	QP
5	616.268	27.71	46.00	-18.29	22.87	4.84	QP
6	735.869	29.32	46.00	-16.68	22.32	7.00	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.
5. The other emission levels were very low against the limit.

Test Mode: Mode 3

Site :HC-CB04
Condition :3m Horizontal
Mode :GFSK_TX_LF
Test By :Ling Chen

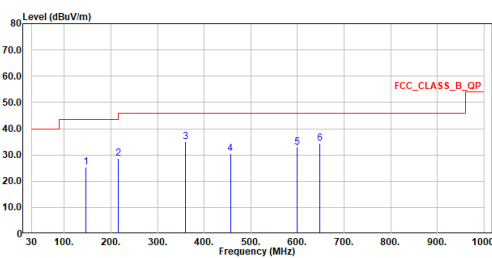


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	131.171	30.92	43.50	-12.58	35.43	-4.51	QP
2	215.949	29.74	43.50	-13.76	36.32	-6.58	QP
3	359.994	30.76	46.00	-15.24	32.23	-1.47	QP
4	408.009	28.02	46.00	-17.98	28.04	-0.02	QP
5	499.771	40.54	46.00	-5.46	38.40	2.14	QP
6	647.987	35.54	46.00	-10.46	30.20	5.34	QP

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m Vertical
Mode :GFSK_TX_LF
Test By :Ling Chen



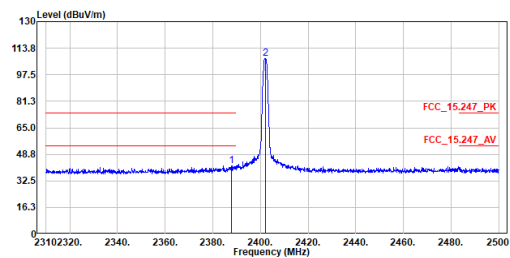
No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	146.788	25.45	43.50	-18.05	28.60	-3.15	QP
2	215.949	28.71	43.50	-14.79	35.29	-6.58	QP
3	359.994	35.06	46.00	-10.94	36.53	-1.47	QP
4	456.024	30.34	46.00	-15.66	28.82	1.52	QP
5	599.972	32.99	46.00	-13.01	28.40	4.59	QP
6	647.987	34.38	46.00	-11.62	29.04	5.34	QP

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.
5. The other emission levels were very low against the limit.

Above 1 GHz

Site :HC-CB04
Condition :3m ,Horizontal
RB/VB(kHz):1000 / 3000
Mode :GFSK_TX_2402MHz
Test By :Ling Chen

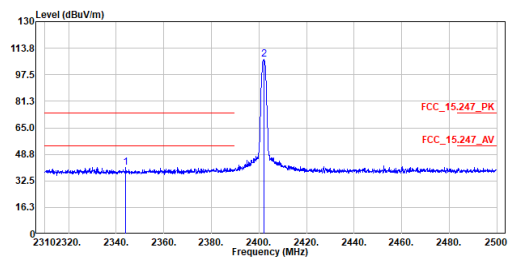


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB	
1	2387.805	41.68	74.00	-32.32	31.28	10.40	Peak
2	2402.055	107.55	-----	-----	97.11	10.44	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
RB/VB(kHz):1000 / 3000
Mode :GFSK_TX_2402MHz
Test By :Ling Chen

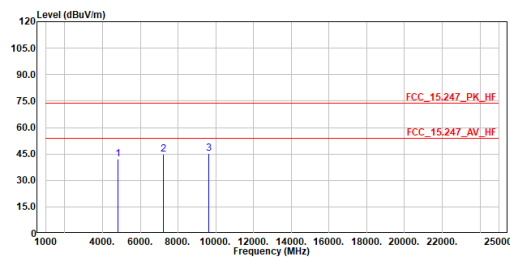


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB	
1	2344.105	40.70	74.00	-33.30	30.40	10.30	Peak
2	2402.055	106.71	-----	-----	96.27	10.44	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Horizontal
Mode :GFSK_TX_2402MHz
Test By :Ling Chen

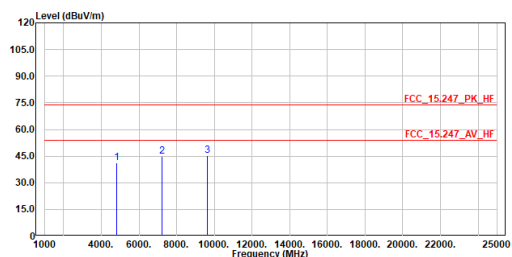


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB	
1	4804.000	42.23	74.00	-31.77	60.05	-17.82	Peak
2	7206.000	44.70	74.00	-29.30	57.53	-12.83	Peak
3	9608.000	45.42	74.00	-28.58	54.57	-9.15	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
Mode :GFSK_TX_2402MHz
Test By :Ling Chen

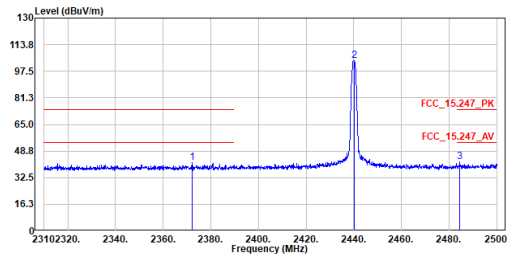


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB	
1	4804.000	41.01	74.00	-32.99	58.83	-17.82	Peak
2	7206.000	44.89	74.00	-29.11	57.72	-12.83	Peak
3	9608.000	45.37	74.00	-28.63	54.52	-9.15	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

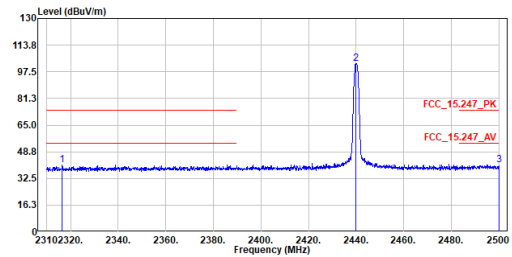
Site :HC-CB04
Condition :3m ,Horizontal
RB/VB(kHz):1000 / 3000
Mode :GFSK_TX_2440MHz
Test By :Ling Chen



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2372.225	41.86	74.00	-32.14	31.50	10.36	Peak
2	2440.055	104.22	74.00	30.22	93.69	10.53	Peak
3	2484.515	42.23	74.00	-31.77	31.58	10.65	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

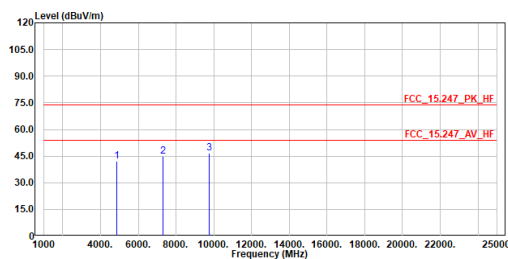
Site :HC-CB04
Condition :3m ,Vertical
RB/VB(kHz):1000 / 3000
Mode :GFSK_TX_2440MHz
Test By :Ling Chen



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2316.555	40.92	74.00	-33.08	30.70	10.22	Peak
2	2439.960	102.73	74.00	28.73	92.20	10.53	Peak
3	2500.000	40.83	74.00	-33.17	30.15	10.68	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

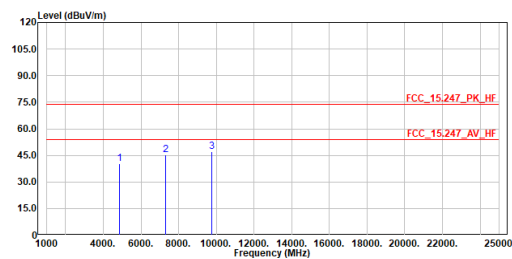
Site :HC-CB04
Condition :3m ,Horizontal
Mode :GFSK_TX_2440MHz
Test By :Ling Chen



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4880.000	42.01	74.00	-31.99	59.62	-17.61	Peak
2	7320.000	44.98	74.00	-29.02	57.62	-12.64	Peak
3	9760.000	46.67	74.00	-27.33	55.62	-8.95	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

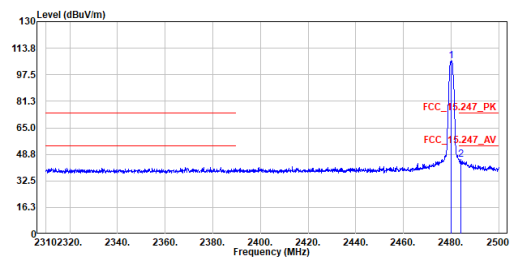
Site :HC-CB04
Condition :3m ,Vertical
Mode :GFSK_TX_2440MHz
Test By :Ling Chen



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4880.000	40.13	74.00	-33.87	57.74	-17.61	Peak
2	7320.000	45.26	74.00	-28.74	57.90	-12.64	Peak
3	9760.000	46.98	74.00	-27.02	55.93	-8.95	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Horizontal
RB/VB(kHz):1000 / 3000
Mode :GFSK_TX_2480MHz
Test By :Ling Chen

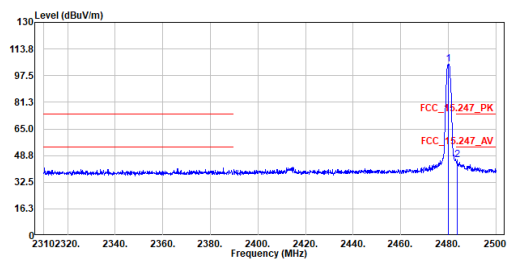


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	2480.050	106.13	-----	95.50	10.63	Peak	
2	2483.945	45.38	74.00	-28.62	34.73	10.65	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
RB/VB(kHz):1000 / 3000
Mode :GFSK_TX_2480MHz
Test By :Ling Chen

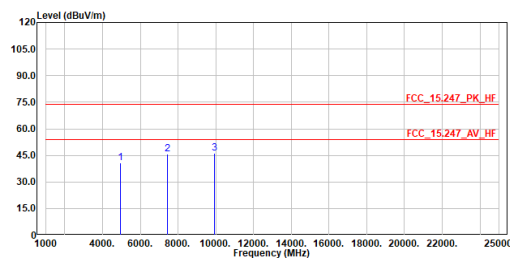


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	2480.050	104.61	-----	93.98	10.63	Peak	
2	2483.660	46.02	74.00	-27.98	35.38	10.64	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Horizontal
Mode :GFSK_TX_2480MHz
Test By :Ling Chen

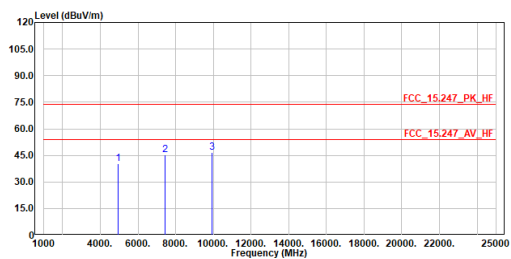


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	4960.000	40.93	74.00	-33.07	58.33	-17.40	Peak
2	7440.000	45.57	74.00	-28.43	58.01	-12.44	Peak
3	9920.000	46.35	74.00	-27.65	55.12	-8.77	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
Mode :GFSK_TX_2480MHz
Test By :Ling Chen

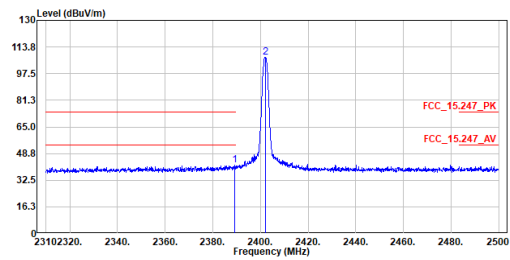


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	4960.000	40.43	74.00	-33.57	57.83	-17.40	Peak
2	7440.000	45.45	74.00	-28.55	57.89	-12.44	Peak
3	9920.000	46.77	74.00	-27.23	55.54	-8.77	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

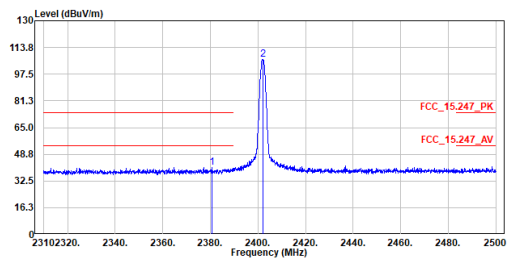
Site :HC-CB04
Condition :3m ,Horizontal
RB/VB(kHz):1000 / 3000
Mode :DPSK_TX_2402MHz
Test By :Ling Chen



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB	
1	2389.135	41.56	74.00	-32.44	31.16	10.40	Peak
2	2401.960	107.36	-----	-----	96.92	10.44	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

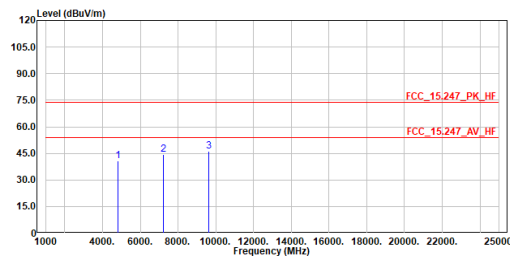
Site :HC-CB04
Condition :3m ,Vertical
RB/VB(kHz):1000 / 3000
Mode :DPSK_TX_2402MHz
Test By :Ling Chen



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB	
1	2380.775	40.65	74.00	-33.35	30.27	10.38	Peak
2	2402.150	106.27	-----	-----	95.83	10.44	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

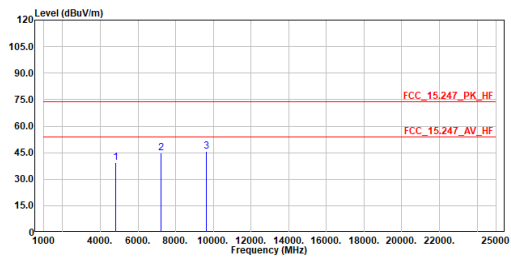
Site :HC-CB04
Condition :3m ,Horizontal
Mode :DPSK_TX_2402MHz
Test By :Ling Chen



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB	
1	4804.000	40.58	74.00	-33.42	58.40	-17.82	Peak
2	7206.000	44.41	74.00	-29.59	57.24	-12.83	Peak
3	9608.000	46.21	74.00	-27.79	55.36	-9.15	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

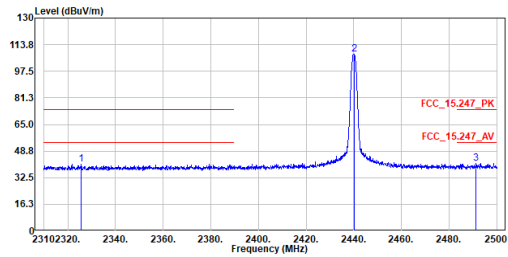
Site :HC-CB04
Condition :3m ,Vertical
Mode :DPSK_TX_2402MHz
Test By :Ling Chen



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB	
1	4804.000	39.44	74.00	-34.56	57.26	-17.82	Peak
2	7206.000	44.71	74.00	-29.29	57.54	-12.83	Peak
3	9608.000	45.66	74.00	-28.34	54.81	-9.15	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

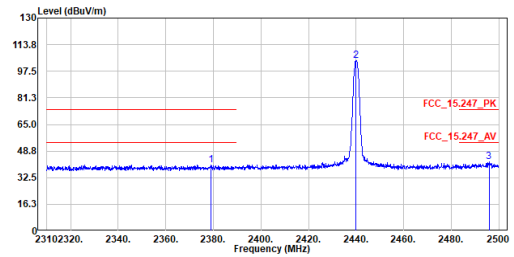
Site :HC-CB04
Condition :3m ,Horizontal
RB/VB(kHz):1000 / 3000
Mode :DPSK_TX_2440MHz
Test By :Ling Chen



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2325.580	40.73	74.00	-33.27	30.47	10.26	Peak
2	2440.245	107.81	74.00	33.81	97.27	10.54	Peak
3	2491.355	41.25	74.00	-32.75	30.59	10.66	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

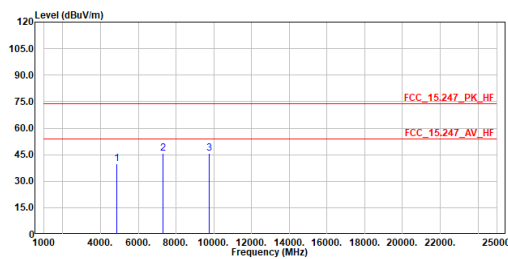
Site :HC-CB04
Condition :3m ,Vertical
RB/VB(kHz):1000 / 3000
Mode :DPSK_TX_2440MHz
Test By :Ling Chen



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	2378.970	40.40	74.00	-33.60	30.02	10.38	Peak
2	2439.865	103.89	74.00	29.89	93.36	10.53	Peak
3	2495.820	42.03	74.00	-31.97	31.36	10.67	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

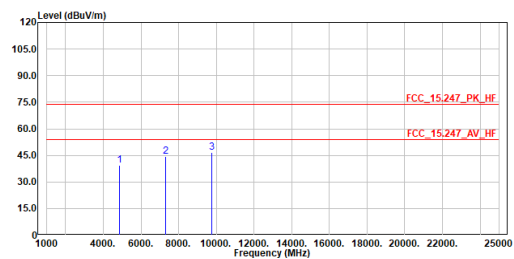
Site :HC-CB04
Condition :3m ,Horizontal
Mode :DPSK_TX_2440MHz
Test By :Ling Chen



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4880.000	39.71	74.00	-34.29	57.32	-17.61	Peak
2	7320.000	45.67	74.00	-28.33	58.31	-12.64	Peak
3	9760.000	45.63	74.00	-28.37	54.58	-8.95	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

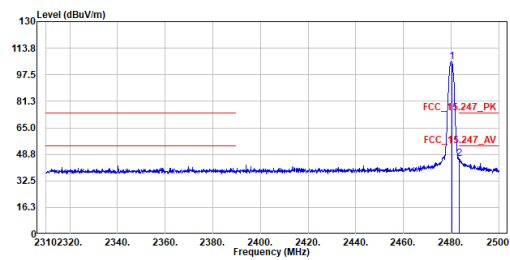
Site :HC-CB04
Condition :3m ,Vertical
Mode :DPSK_TX_2440MHz
Test By :Ling Chen



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	4880.000	39.49	74.00	-34.51	57.10	-17.61	Peak
2	7320.000	44.53	74.00	-29.47	57.17	-12.64	Peak
3	9760.000	46.49	74.00	-27.51	55.44	-8.95	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Horizontal
RB/VB(kHz):1000 / 3000
Mode :DPSK_TX_2480MHz
Test By :Ling Chen

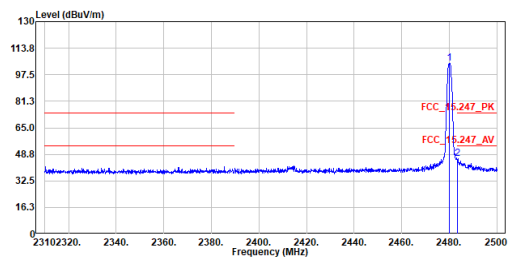


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	2480.240	105.40	-----	-----	94.77	10.63	Peak
2	2483.500	46.17	74.00	-27.83	35.53	10.64	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
RB/VB(kHz):1000 / 3000
Mode :DPSK_TX_2480MHz
Test By :Ling Chen

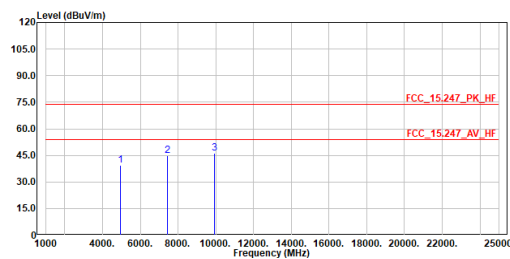


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	2480.050	104.61	-----	-----	93.98	10.63	Peak
2	2483.500	46.02	74.00	-27.98	35.38	10.64	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Horizontal
Mode :DPSK_TX_2480MHz
Test By :Ling Chen

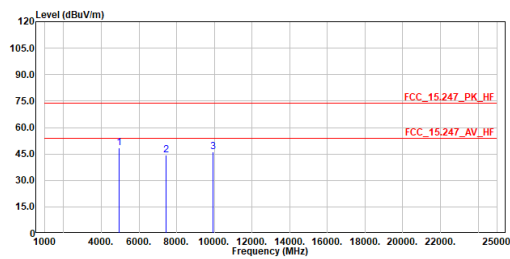


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	4960.000	39.30	74.00	-34.70	56.70	-17.40	Peak
2	7440.000	44.87	74.00	-29.13	57.31	-12.44	Peak
3	9920.000	46.40	74.00	-27.60	55.17	-8.77	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
Mode :DPSK_TX_2480MHz
Test By :Ling Chen



No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	4960.000	48.49	74.00	-25.51	65.89	-17.40	Peak
2	7440.000	44.56	74.00	-29.44	57.00	-12.44	Peak
3	9920.000	46.07	74.00	-27.93	54.84	-8.77	Peak

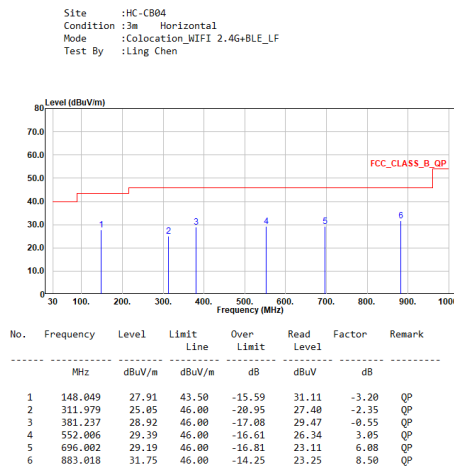
Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

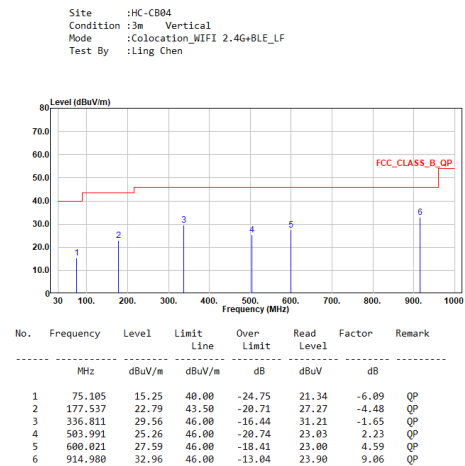
Appendix I. Test Result of Radiated Emissions Co-location

Bluetooth + WiFi 2.4GHz

30 MHz ~ 1 GHz:

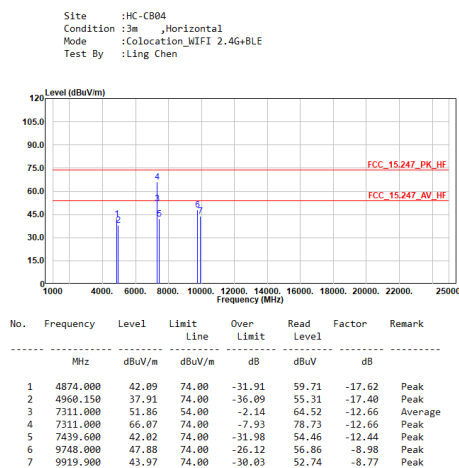


Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.
5. The other emission levels were very low against the limit.

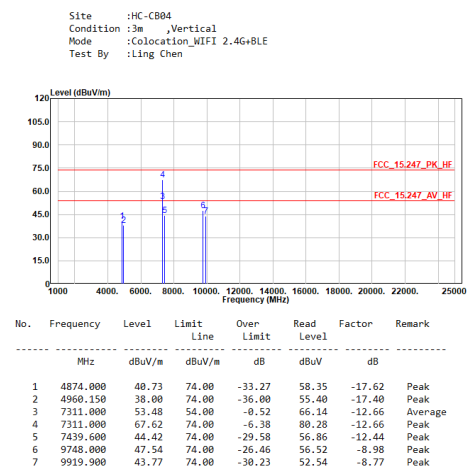


Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.
5. The other emission levels were very low against the limit.

Above 1 GHz:



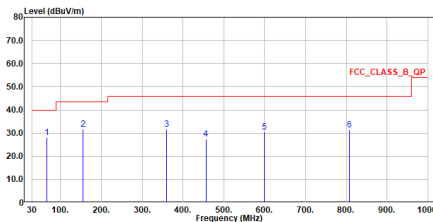
Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.



Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Bluetooth + WiFi 5GHz**30 MHz ~ 1 GHz:**

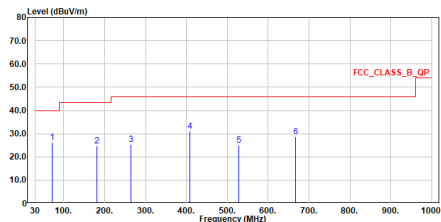
Site :HC-CB04
Condition :3m Horizontal
Mode :Colocation_WIFI 5G+BLE_LF
Test By :Ling Chen



No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	66.230	28.07	40.00	-11.93	32.43	-4.36	QP
2	154.888	31.59	43.50	-11.91	34.49	-2.90	QP
3	359.994	31.72	46.00	-14.28	33.19	-1.47	QP
4	455.976	27.38	46.00	-18.62	25.86	1.52	QP
5	608.021	30.39	46.00	-15.61	25.80	4.59	QP
6	808.134	31.38	46.00	-14.62	23.52	7.86	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m Vertical
Mode :Colocation_WIFI 5G+BLE_LF
Test By :Ling Chen

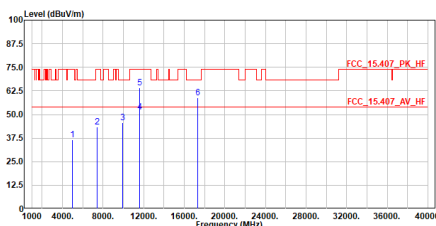


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	71.565	26.21	40.00	-13.79	31.35	-5.14	QP
2	180.981	24.80	43.50	-18.70	29.75	-4.95	QP
3	264.013	25.36	46.00	-20.64	29.36	-4.00	QP
4	408.009	30.96	46.00	-15.04	30.98	-0.02	QP
5	527.610	24.99	46.00	-21.01	22.23	2.76	QP
6	666.514	28.70	46.00	-17.30	23.10	5.60	QP

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.
5. The other emission levels were very low against the limit.

Above 1 GHz:

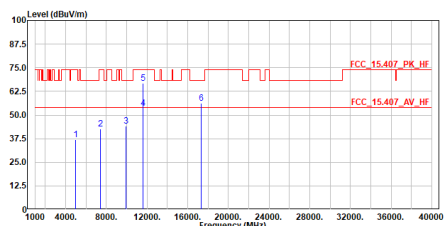
Site :HC-CB04
Condition :3m Horizontal
Mode :Colocation_WIFI 5G+BLE
Test By :Ling Chen



No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	4960.150	36.52	74.00	-37.48	53.92	-17.40	Peak
2	7439.600	43.56	74.00	-30.44	56.00	-12.44	Peak
3	9919.900	45.49	68.20	-22.71	54.26	-8.77	Peak
4	11570.000	51.26	54.00	-2.74	57.30	-6.04	Average
5	11570.000	64.24	74.00	-9.76	70.28	-6.04	Peak
6	17355.000	58.85	68.20	-9.35	62.08	-3.23	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m Vertical
Mode :Colocation_WIFI 5G+BLE
Test By :Ling Chen



No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	4960.150	36.99	74.00	-37.01	54.39	-17.40	Peak
2	7439.600	42.62	74.00	-31.38	55.06	-12.44	Peak
3	9919.900	44.27	68.20	-23.93	53.04	-8.77	Peak
4	11570.000	53.55	54.00	-0.45	59.59	-6.04	Average
5	11570.000	66.65	74.00	-7.35	72.69	-6.04	Peak
6	17355.000	56.19	68.20	-12.01	59.42	-3.23	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.