

TEST REPORT

Radio Frequency Devices-Intentional Radiators

for

Products Name: Mini Blu-ray & CD Player

Model No.: Refer to section 2.2

FCC ID: 2BTMN-KB-100

Report No.: SST2605E033

Issued Date: 2026-5-7

Issued for

Krovatar Technology (Shenzhen) CO.,LTD

Room509, Building2, No.26 Puzai Road, Central Community, Pingdi, Longgang District, Shenzhen,
Guangdong, P.R.China

Issued by

Dongguan Qiyang Testing Technology Co., Ltd.

Room 101-1, Building 1, No.19, Tianxin Butterfly 1st Road, Huangjiang, Dongguan, Guangdong, China

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1. Basic Introduction

Applicant's name :	Krovatar Technology (Shenzhen) CO.,LTD	
Address	Room509, Building2, No.26 Puzai Road, Central Community, Pingdi, Longgang District, Shenzhen, Guangdong, P.R.China	
Manufacturer's name	Krovatar Technology (Shenzhen) CO.,LTD	
Address	Room509, Building2, No.26 Puzai Road, Central Community, Pingdi, Longgang District, Shenzhen, Guangdong, P.R.China	
Factory's name	Shenzhen Maxmade Technology Co., Ltd.	
Address	6-8F, Building 2, No. 26 Puzai Road, Pingdi, Longgang District, Shenzhen, China	
Products Name :	Mini Blu-ray & CD Player	
Model No. :	Refer to section 2.2	
Trade Mark	N/A	
Rating(s) :	Adapter information: Model: KA20A-US Input: AC 100-240V, 50/60Hz, 0.55A max Output: DC 5V/3A, 9V/2.22A, 12V/1.67A	
Date of sample receipt :	2025-12-22	
Date of Test :	2025-12-22~2026-5-6	
Standard(s)	FCC 47 CFR PART 15 Subpart C Section 15.247 ANSI C63.10-2020+COR 1-2023	
Tested by (+signature) :	Connor Ma	
Check by (+signature) :	Davis Zhou	
Approved by (+signature) :	Tiger Chen	



2. General description

2.1. EUT description

Products Name	Mini Blu-ray & CD Player	
Model No.	Refer to section 2.2	
Rating(s)	Adapter information: Model: KA20A-US Input: AC 100-240V, 50/60Hz, 0.55A max Output: DC 5V/3A, 9V/2.22A, 12V/1.67A	
Software version.....	/	
Hardware version	/	
Operation frequency	2402MHz ~ 2480MHz	
Channel numbers	40	
Channel separation	2MHz	
Modulation technology	GFSK	
Antenna type	FPC Antenna	
Antenna gain	0.42 dBi (declared by applicant)	
Cable	Name	Description
	Type C cable	☐ Shielded ☒ Unshielded ☒ Detachable ☐ Un-detachable ☐ No applicable ☒ Length:1m

2.2. Serial model(s) and model difference

Main model(s)	KB-100 Series
Serial model(s)	KB-100B, KB-100W, KB-100G, KB-100S, KB-100L, KB-100R, KB-100BH, KB-100WH, KB-100GH, KB-100SH, KB-100LH, KB-100RH
Model difference	refer to difference declaration

2.3. Auxiliary equipment

Support equipment list			
Description	Manufacturer	Model No.	Serial No.
PC	HP	Zhan 66P	/
Support cable list			
Description	Specified length(m)	Shielded	Unshielded
		☐	☐

2.4. Description of test modes

Prescan Operating Mode		
No.	Detailed description of the operating mode	Test voltage
1	continuously transmitting, with its lowest data rate which emit the max power level	AC 120V
2		

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
0	2402MHz	10	2422MHz	20	2442MHz	30	2462MHz
1	2404MHz	11	2424MHz	21	2444MHz	31	2464MHz
2	2406MHz	12	2426MHz	22	2446MHz	32	2466MHz
3	2408MHz	13	2428MHz	23	2448MHz	33	2468MHz
4	2410MHz	14	2430MHz	24	2450MHz	34	2470MHz
5	2412MHz	15	2432MHz	25	2452MHz	35	2472MHz
6	2414MHz	16	2434MHz	26	2454MHz	36	2474MHz
7	2416MHz	17	2436MHz	27	2456MHz	37	2476MHz
8	2418MHz	18	2438MHz	28	2458MHz	38	2478MHz
9	2420MHz	19	2440MHz	29	2460MHz	39	2480MHz

2.5. Test environmental conditions

The climatic conditions during the tests are within the limits specified by the manufacturer for the operation of the EUT and the test equipment.

The climatic conditions during the tests were within the following limits:

Ambient temperature	Relative humidity	Atmospheric pressure
15 °C ~ 35 °C	30 % ~ 60 %	86 kPa ~ 106 kPa

If explicitly required in the basic standard or applied product standard the climatic values are recorded and documented separately in this test report.

2.6. Statement of Measurement Uncertainty

Test Item	Uncertainty
Uncertainty for Conducted emissions	3.31 dB
Uncertainty for Radiated emission (9 kHz to 30 MHz)	3.1 dB

Uncertainty for Radiated emission (30 MHz to 1 GHz)	4.53 dB
Uncertainty for Radiated emission (above 1 GHz)	4.80 dB
RF power, conducted	1.08 dB
Power Spectral Density, Conducted	1.46 dB
Spurious Emissions, Conducted	2.94 dB
Occupied bandwidth	57.74 kHz

2.7. Report modification record

Report No.	Issue Date	Description
SST2605E033	2026-5-7	Original Report

2.8. Test Facility

The test facility is recognized, certified, or accredited by the following organizations:	
A2LA	Certificate No.:7057.01
FCC	Designation Number: CN1432
	Test Firm Registration Number: 640253
IC	Company Number: 30419
	CAB identifier: CN0154
CNAS	Registration No.: L17883
Location	Dongguan Qiyang Testing Technology Co., Ltd. Room 101-1, Building 1, No.19, Tianxin Butterfly 1st Road, Huangjiang, Dongguan, Guangdong, China

2.9. Other information

The laboratory responsible for all the information provided in the report, except those information provided by the applicant.

The applicant shall fully responsible for the information they provided.

The report would be invalid without a stamp of test laboratory and the signatures of compiler and approver.

The laboratory has not been responsible for the sampling stage; the test report merely corresponds to the test sample received.

Any objection to the test report shall submitted to the test laboratory within 15 days from the date of receipt of the report.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

2.10. Addition Instructions

Test Software	BlueTest 3.3.3
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Power level setup	Default
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3. Verdict summary section

FCC 47 CFR PART 15 Subpart C		
Requirement – Test case	Basic standard	Verdict
Antenna requirement	FCC part 15.203	Pass
AC Power Line Conducted Emission	FCC part 15.207	Pass
Conducted Peak Output Power	FCC part 15.247 (b)(3)	Pass
Channel Bandwidth & 99% OCB	FCC part 15.247 (a)(2)	Pass
Power Spectral Density	FCC part 15.247 (e)	Pass
Conducted Spurious and Band Edge Emission	FCC part 15.247(d)	Pass
Radiated Emission	FCC part 15.205/15.209	Pass

Test case verdicts	
- Test case does not apply to the test object	N/A
- Test object does meet the requirement	P (Pass)
- Test object does not meet the requirement	F (Fail)

4. List of Test Equipment

Equipment	Manufacturer	Model No.	Serial No.	Last Cal. Due	Cal. Due
Radiated Emission					
Loop Antenna	Schwarzbeck	FMZB 1513-60B	1513-60B 044	2026/04/17	2027/04/10
Broadband Antenna	Schwarzbeck	VULB 9162	00556	2026/04/18	2027/04/10
Horn Antenna	Schwarzbeck	BBHA 9120 D	02783	2026/04/18	2027/04/10
Horn Antenna	Schwarzbeck	BBHA9170	01306	2026/04/18	2027/04/10
EMI Test Receiver	R&S	ESU8	100372	2026/04/16	2027/04/10
Spectrum Analyzer	R&S	FSV40-N	101791	2026/04/16	2027/04/10
Amplifier	Schwarzbeck	BBV 9744	00327	2026/04/16	2027/04/10
Amplifier	TSTPASS	LNA10180G45	TSAM2303003	2026/04/17	2027/04/13
Amplifier	RF system	TRLA-180400G45B	23060801	2026/04/17	2027/04/13
3m Anechoic Chamber	BOST	966	/	2027/01/06	2029/04/10
Test Software	Farad	EZ-EMC	3A1.1+	/	/
RF conducted					
Spectrum Analyzer	keysight	N9020A	MY51280659	2026/04/16	2027/04/09
Signal Generator	Agilent	N5181A	MY48180054	2026/04/16	2027/04/09
Signal Generator	keysight	N5172B	MY57281610	2026/04/16	2027/04/09
Spectrum Analyzer	R&S	FSV40-N	101791	2026/04/16	2027/04/09
Wideband Radio Communication Tester	R&S	CMW500	123123	2026/04/16	2027/04/09
RF Switch Box	TST PASS	TST V2	/	2026/04/16	2027/04/09
Test Software	TST PASS	TST PASS	V2.0	/	/
Temperature and humidity chamber	Guangdong fenghe	FH-TH-1000	FH24032017	2026/04/26	2027/04/09

Equipment	Manufacturer	Model No.	Serial No.	Last Cal. Due	Cal. Due
Mains terminal disturbance voltage					
EMI Test Receiver	R&S	ESR3	103057	2026/04/16	2027/04/09
LISN	R&S	ENV 216	102832	2026/04/16	2027/04/09
Test Software	Farad	EZ-EMC	3A1.6	/	/

5. Technical Requirement and Measurement Data

5.1. Generally requirement

15.203 requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

EUT Antenna:

The EUT using a FPC antenna, Reference to the appendix II for details

5.2. Connected emissions

5.2.1. Limits

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

5.2.2. Test method

The measurement was performed in a shield room.

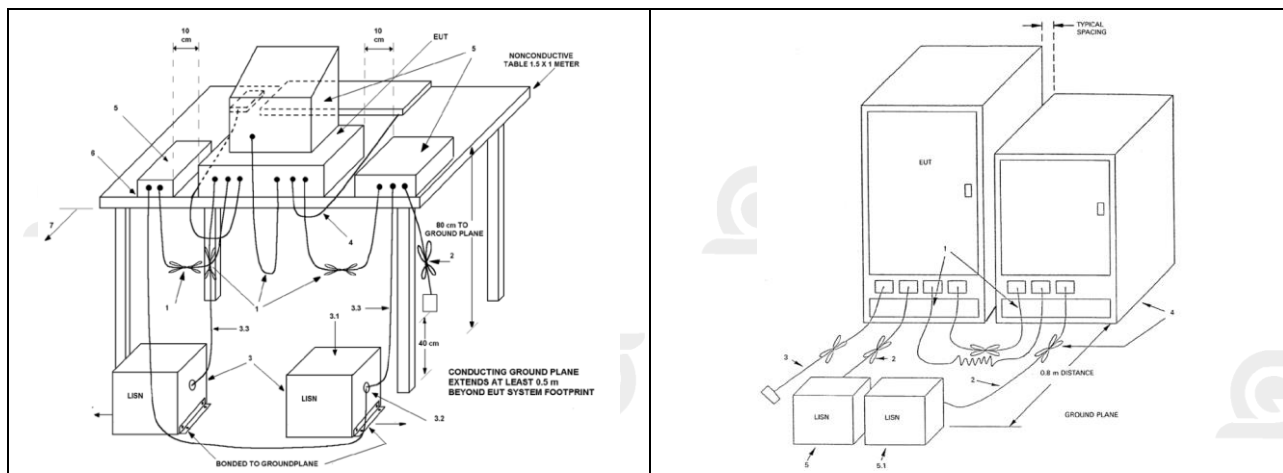
Measured levels of ac power-line conducted emission shall be the radio-noise voltage from the voltage probe, where permitted, or across the 50 Ω LISN port (to which the EUT is connected), as terminated into a 50 Ω EMI receiver or spectrum analyzer. All radio-noise voltage and current measurements shall be made on each current-carrying conductor at the plug end of the EUT power cord or calibrated extension cord by the use of mating plugs and receptacles on the EUT and LISN, if used. The manufacturer shall test equipment with power cords that are normally supplied or recommended by the manufacturer and that have electrical and shielding characteristics that are the same as those cords normally supplied or recommended. For measurements using a LISN, the 50 Ω measuring port is terminated into a 50 Ω EMI receiver or spectrum analyzer. All other ports are terminated into 50 Ω loads.

Table top devices shall be placed on a platform of nominal size 1 m by 1.5 m, raised 80 cm above the reference ground plane. The vertical conducting plane or wall of an RF-shielded (screened) room shall be located 40 cm to the rear of the EUT. Floor-standing devices shall be placed either directly on the reference ground-plane or on insulating material as described in ANSI C63.4. All other surfaces of tabletop or floor-standing EUTs shall be at least 80 cm from any other grounded conducting surface, including the case or cases of one or more LISNs.

The bandwidth of the test receiver is set at 9 kHz.

5.2.3. Block diagram of test setup

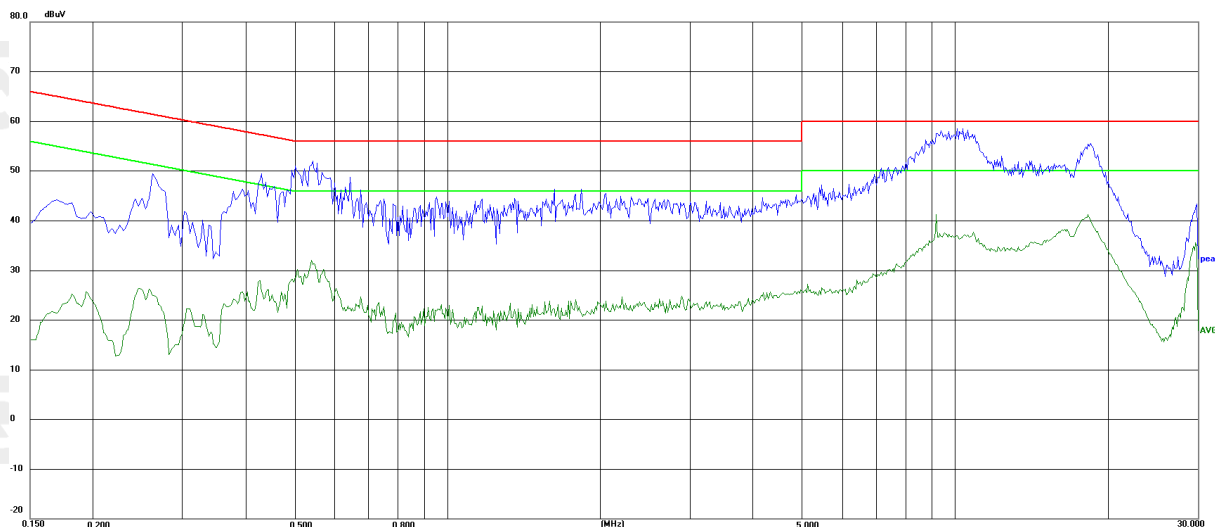
☒ For table-top equipment	☐ For floor standing equipment
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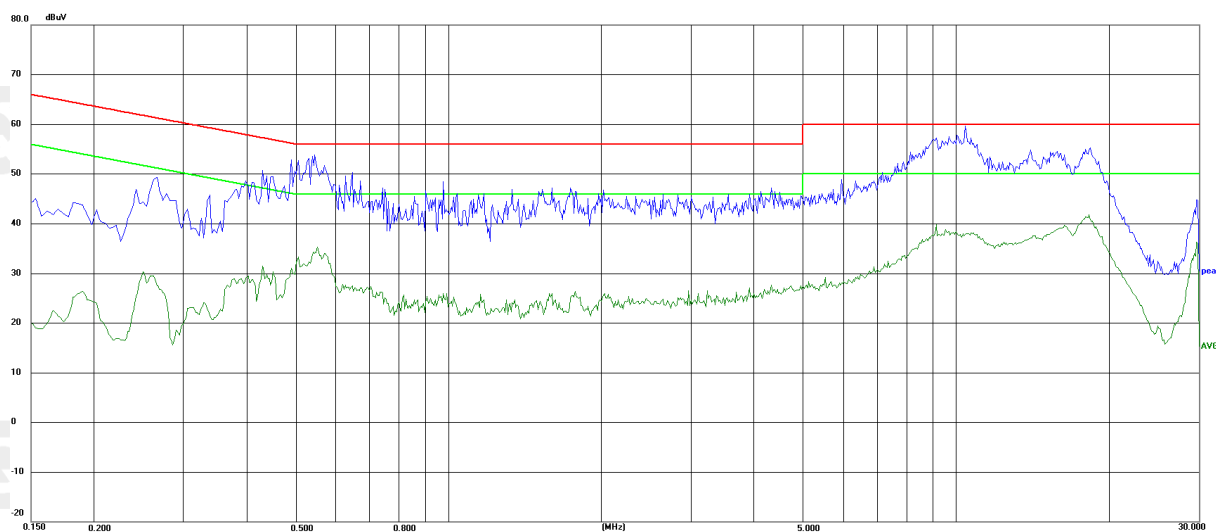
5.2.4. Test information

Ambient temperature:	26.4 °C
Relative humidity:	39 %
EUT operation mode:	Mode 1
Test Voltage:	AC 120V/60Hz
Test results:	Pass
Remark:	Correct Factor Value = Attenuator Factor + Cable Loss + LISN Factor Measurement Value = Reading Level Value + Correct Factor Value Over Value = Measurement Value - Limit Value Only the worst case report (2402MHz)

Measurement data and Graphical presentation of the result

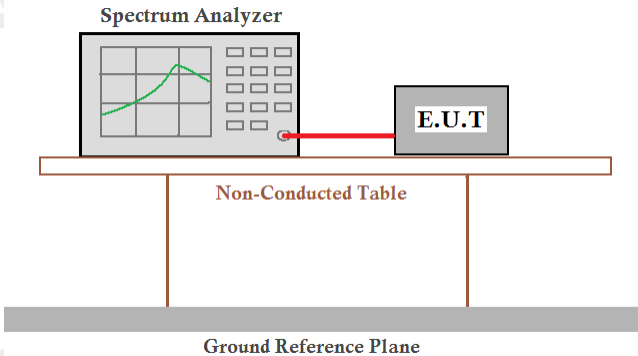


No.	Frequency (MHz)	QP Value (dBuV)	QP Limit (dBuV)	QP Margin (dB)	AVG Value (dBuV)	AVG Limit (dBuV)	AVG Margin (dB)	Result	Line
1	0.542	52.09	56.00	-3.91	32.02	46.00	-13.98	Pass	Line 1
2	9.354	58.14	60.00	-1.86	41.20	50.00	-8.80	Pass	Line 1
3	9.710	57.94	60.00	-2.06	37.64	50.00	-12.36	Pass	Line 1
4	10.090	58.49	60.00	-1.51	37.04	50.00	-12.96	Pass	Line 1
5	10.450	58.54	60.00	-1.46	37.20	50.00	-12.80	Pass	Line 1
6	10.862	58.23	60.00	-1.77	37.79	50.00	-12.21	Pass	Line 1



No.	Frequency (MHz)	QP Value (dBuV)	QP Limit (dBuV)	QP Margin (dB)	AVG Value (dBuV)	AVG Limit (dBuV)	AVG Margin (dB)	Result	Line
1	0.506	52.70	56.00	-3.30	33.40	46.00	-12.60	Pass	Neutral
2	0.550	53.90	56.00	-2.10	35.30	46.00	-10.70	Pass	Neutral
3	9.134	57.33	60.00	-2.67	39.80	50.00	-10.20	Pass	Neutral
4	9.654	57.50	60.00	-2.50	38.78	50.00	-11.22	Pass	Neutral
5	10.058	57.85	60.00	-2.15	38.37	50.00	-11.63	Pass	Neutral
6	10.710	59.61	60.00	-0.39	38.11	50.00	-11.89	Pass	Neutral

5.3. Duty Cycle

Limit
Report for use
Block diagram of Test Setup
 The diagram shows a Spectrum Analyzer and an E.U.T. (Equipment Under Test) connected by a red cable. They are both placed on a table labeled 'Non-Conducted Table'. This table is supported by a 'Ground Reference Plane'.
Test Instrument
Refer to section 4 for details
Test Procedures
The transmitter output connected to the Spectrum Analyzer. Test according to Procedure 6.0)b in KDB 558074 v05r02. 1.RBW=8 MHz(the largest available value) 2.VBW=8 MHz(>RBW) 3.SPAN = 0 Hz 4.Detector = Peak 5.Number of points in sweep: 30001 6.Trace mode: Clear write 7.Measure T_{total} and T_{on} 8.Calculate Duty Cycle = T_{on}/T_{total} and Duty Cycle Factor = $10\log(1/\text{Duty Cycle})$
Verdict
Pass

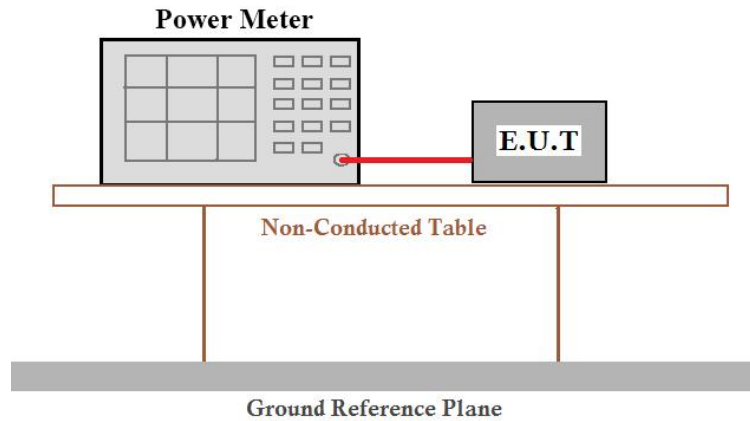
Measurement Data: The detailed test data see Appendix

5.4. Conducted Peak Output Power

Limit

1W(30dBm)

Block diagram of Test Setup



Test Instrument

Refer to section 4 for details

Test Procedures

Set spectrum analyzer as following:

- Set the RBW $\geq$ DTS bandwidth.
- Set VBW $\geq 3 \times$ RBW.
- Set span $\geq 3 \times$ RBW
- Sweep time = auto couple.
- Detector = peak.
- Trace mode = max hold.
- Allow trace to fully stabilize.
- Use peak marker function to determine the peak amplitude level.

Verdict

Pass

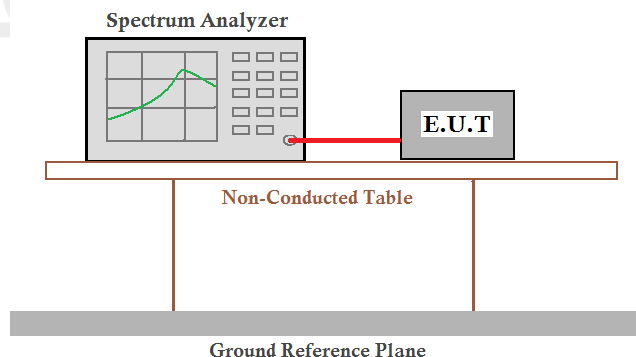
Measurement Data: The detailed test data see Appendix

5.5. Channel Bandwidth

Limit

>500KHz

Block diagram of Test Setup



Test Instrument

Refer to section 4 for details

Test Procedures

The steps for the first option are as follows:

- Set RBW = shall be in the range of 1% to 5% of the OBW but not less than 100 kHz.
- Set the VBW $\geq [3 \times \text{RBW}]$.
- Detector = peak.
- Trace mode = max-hold.
- Sweep = No faster than coupled (auto) time.
- Allow the trace to stabilize.
- Measure the maximum width of the emission by placing two markers, one at the lowest frequency and the other at the highest frequency of the envelope of the spectral display, such that each marker is at or slightly below the “-6 dB down amplitude”. If a marker is below this “-6 dB down amplitude” value, then it shall be as close as possible to this value.

Verdict

Pass

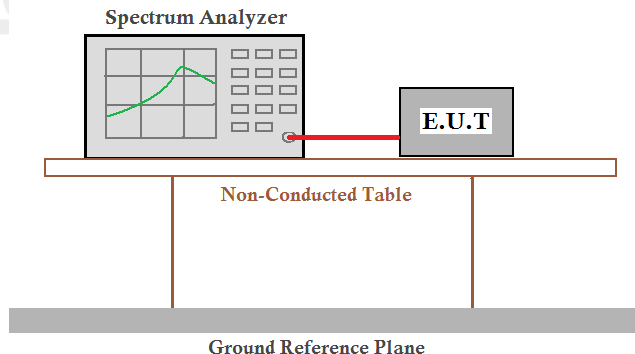
Measurement Data: The detailed test data see Appendix

5.6. Power Spectral Density

Limit

8dBm/3kHz

Block diagram of Test Setup



Test Instrument

Refer to section 4 for details

Test Procedures

- Set analyzer center frequency to DTS channel center frequency.
- Set the span >1.5 times the DTS bandwidth.
- Set the RBW to $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$.
- Set the VBW $\geq [3 \times \text{RBW}]$.
- Detector = peak.
- Sweep time = No faster than coupled (auto) time.
- Trace mode = max-hold.
- Allow trace to fully stabilize.
- Use the peak marker function to determine the maximum amplitude level within the RBW.

Verdict

Pass

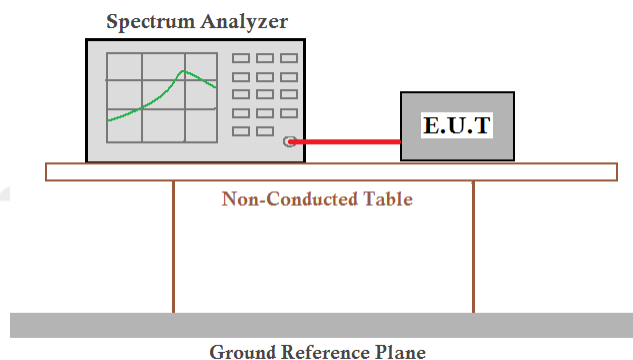
Measurement Data: The detailed test data see Appendix

5.7. Conducted Spurious Emission

Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

Block diagram of Test Setup



Test Instrument

Refer to section 4 for details

Test Procedures

Establish a reference level by using the following procedure:

- Set instrument center frequency to DTS channel center frequency.
- Set the span to ≥ 1.5 times the DTS bandwidth.
- Set the RBW = 100 kHz.
- Set the VBW $\geq [3 \times \text{RBW}]$.
- Detector = peak.
- Sweep time = No faster than coupled (auto) time.
- Trace mode = max-hold.
- Allow trace to fully stabilize.
- Use the peak marker function to determine the maximum PSD level.

Note that the channel found to contain the maximum PSD level can be used to establish the reference level

Establish an emission level by using the following procedure:

- Set the center frequency and span to encompass frequency range to be measured. Note that the frequency range might need to be divided into multiple frequency ranges to retain frequency resolution.

NOTE—the number of points can also be increased for large spans to retain frequency resolution

- Set the RBW = 100 kHz.
- Set the VBW $\geq [3 \times \text{RBW}]$.
- Detector = peak.
- Sweep time = No faster than coupled (auto) time.
- Trace mode = max-hold.
- Allow trace to fully stabilize.
- Use the peak marker function to determine the maximum amplitude level.

Verdict

Pass

Measurement Data: The detailed test data see Appendix

5.8. Radiated emissions

5.8.1. Limits

Frequency (MHz)	Field Strength(microvolts/meter)	Measurement distance(meters)
0.009~0.49	2400/F(kHz)	300
0.49~1.705	24000/F(kHz)	30
1.705~30	30	30
30~88	100**	3
88~216	150**	3
216~960	200**	3
Above 960	500	3

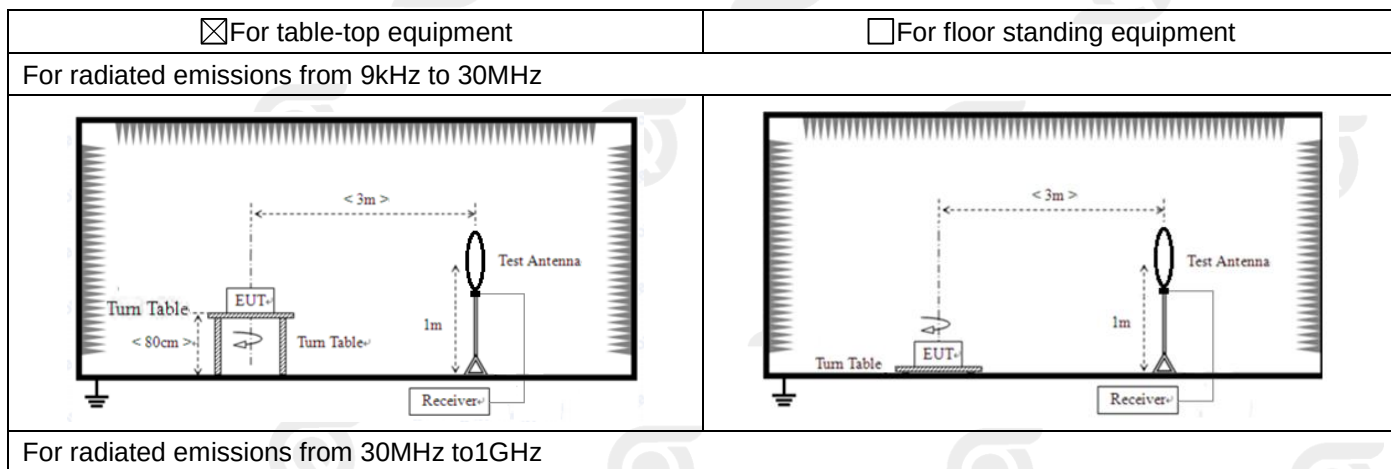
** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54–72 MHz, 76–88 MHz, 174–216 MHz or 470–806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241.

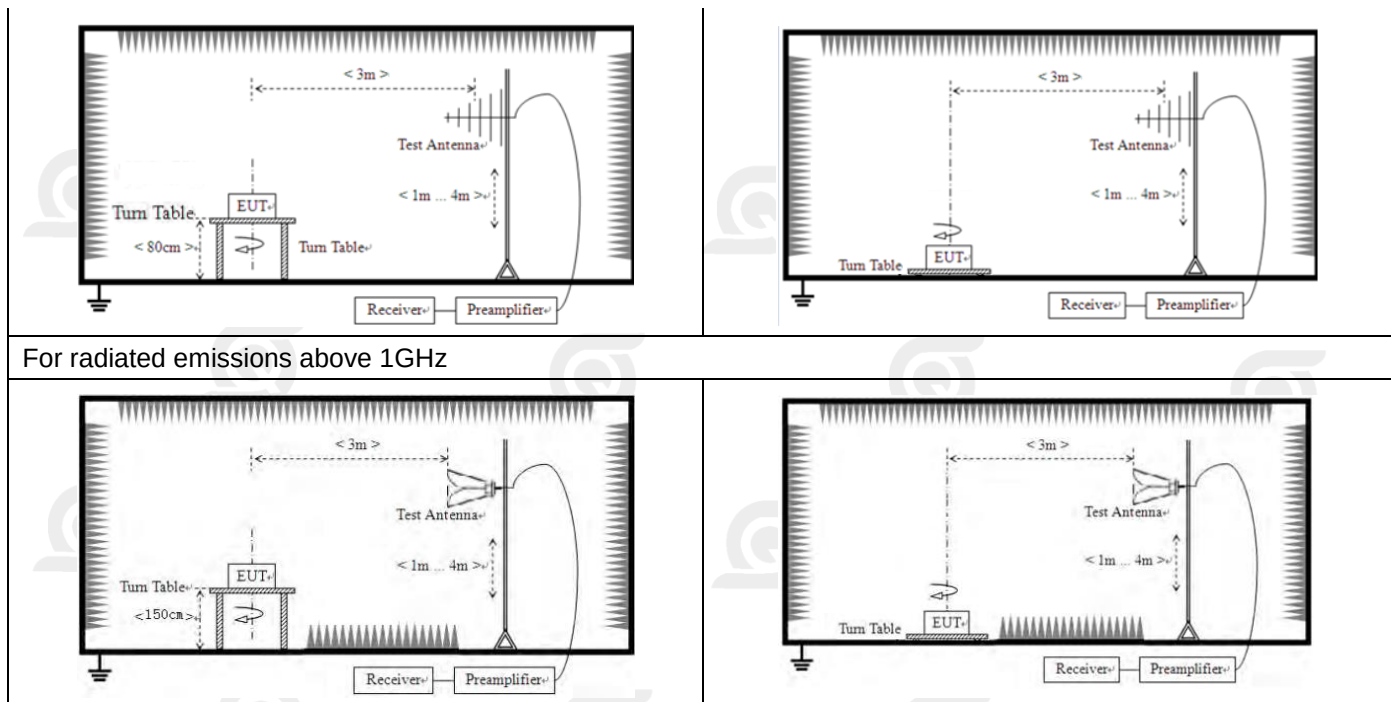
5.8.2. Test method

Measurements were made in semi-anechoic chamber or Open Area Test Site that complies to CISPR 16. Preliminary (peak) measurements. The EUT was rotated 360° about its azimuth with the receive antenna located at various heights in horizontal and vertical polarities. Final measurements (quasi-peak detector below 1 GHz and average detector above 1 GHz) were then performed by rotating the EUT 360° and adjusting the receive antenna height from 1 to 4 m. All frequencies were investigated in both horizontal and vertical antenna polarity, where applicable.

Test applies to KDB558074 D01 15.247 Meas Guidance v05r02 & C63.10

5.8.3. Block diagram of test setup





5.8.4. Test information

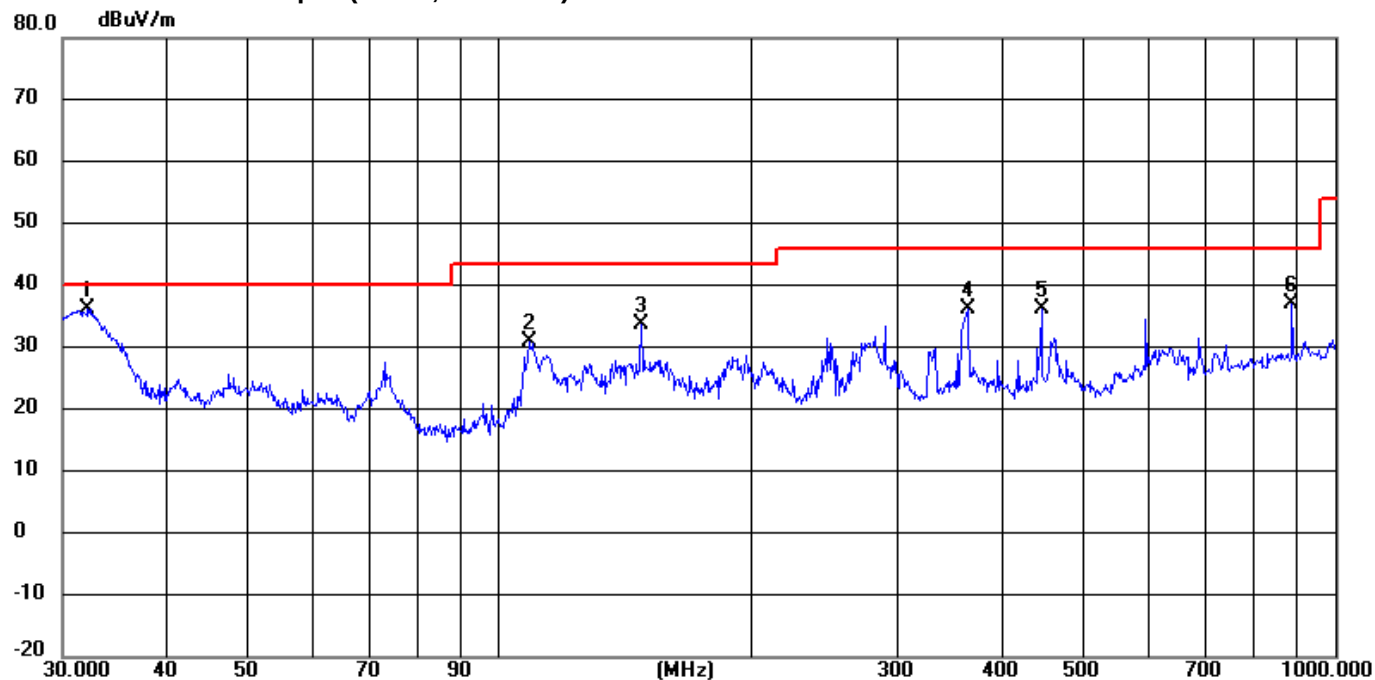
Ambient temperature:	24.8 °C
Relative humidity:	41 %
EUT operation mode:	Mode 1
Test results:	Pass
Remark:	Factor Value = Antenna Factor + Cable Loss - Preamplifier Factor Level Value = Reading Value + Factor Value Margin Value = Level Value - Limit Value

Note: The emission from 9 kHz to 30MHz was pre-tested and found the result was 20dB lower than the limit, and according to 15.31(o), the test result no need to reported.

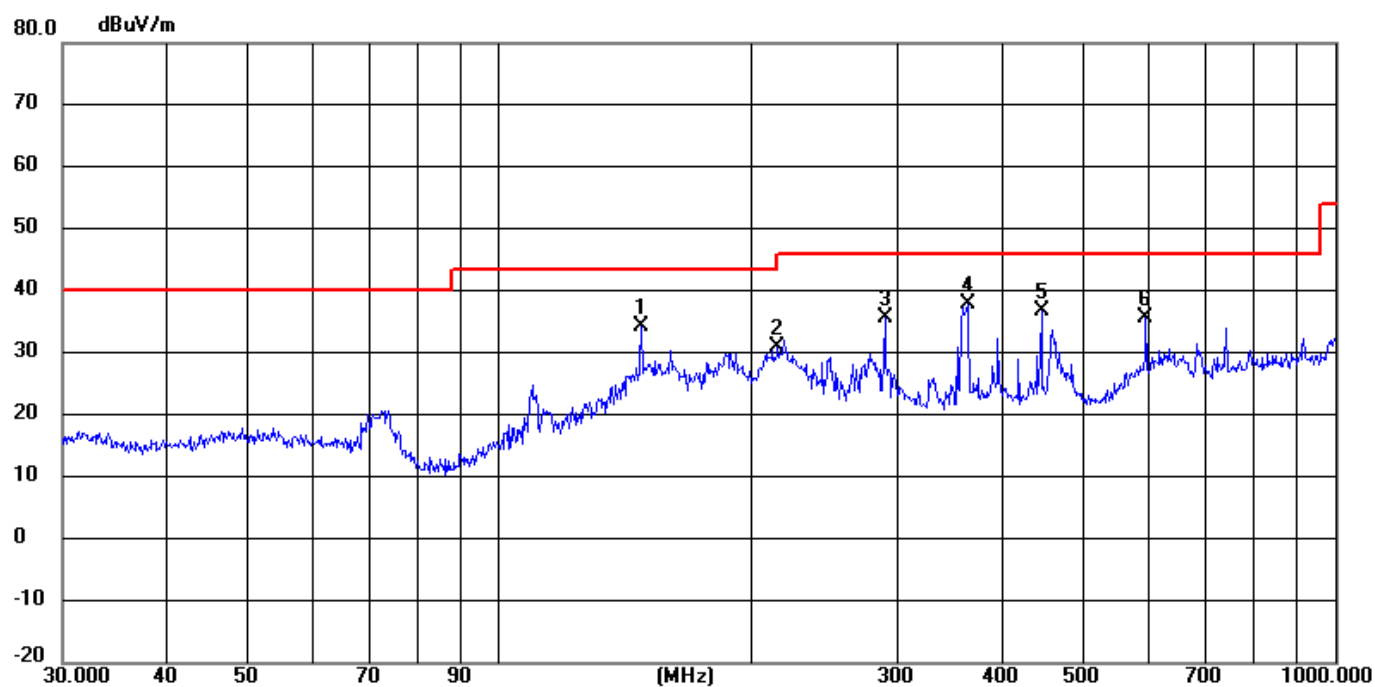
For emissions from 18GHz to 25GHz were cabinet noise, which more than 20db below the spurious emission limit, so not report

Measurement data and Graphical presentation of the result

The worst condition report(GFSK, 2402MHz)



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Remark
1 *	32.222	24.91	11.41	36.32	40.00	-3.68	QP	Vertical
2	108.742	18.23	12.72	30.95	43.50	-12.55	QP	Vertical
3	148.376	25.03	8.77	33.80	43.50	-9.70	QP	Vertical
4	363.303	20.59	15.76	36.35	46.00	-9.65	QP	Vertical
5	445.241	18.52	17.60	36.12	46.00	-9.88	QP	Vertical
6	890.337	12.09	25.10	37.19	46.00	-8.81	QP	Vertical

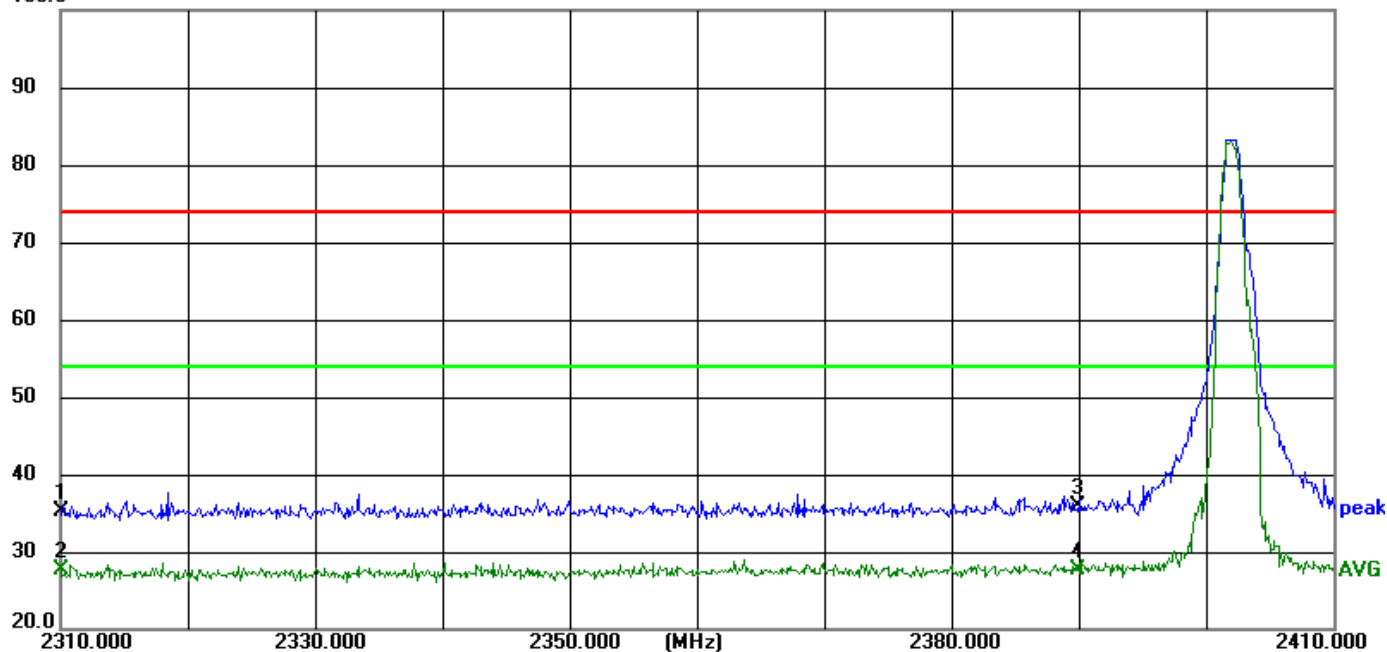


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Remark
1	148.376	25.63	8.77	34.40	43.50	-9.10	QP	Horizontal
2	215.362	18.92	11.93	30.85	43.50	-12.65	QP	Horizontal
3	289.255	21.80	13.79	35.59	46.00	-10.41	QP	Horizontal
4 *	363.303	22.26	15.76	38.02	46.00	-7.98	QP	Horizontal
5	445.241	19.25	17.60	36.85	46.00	-9.15	QP	Horizontal
6	593.570	15.09	20.52	35.61	46.00	-10.39	QP	Horizontal

Band Edge:

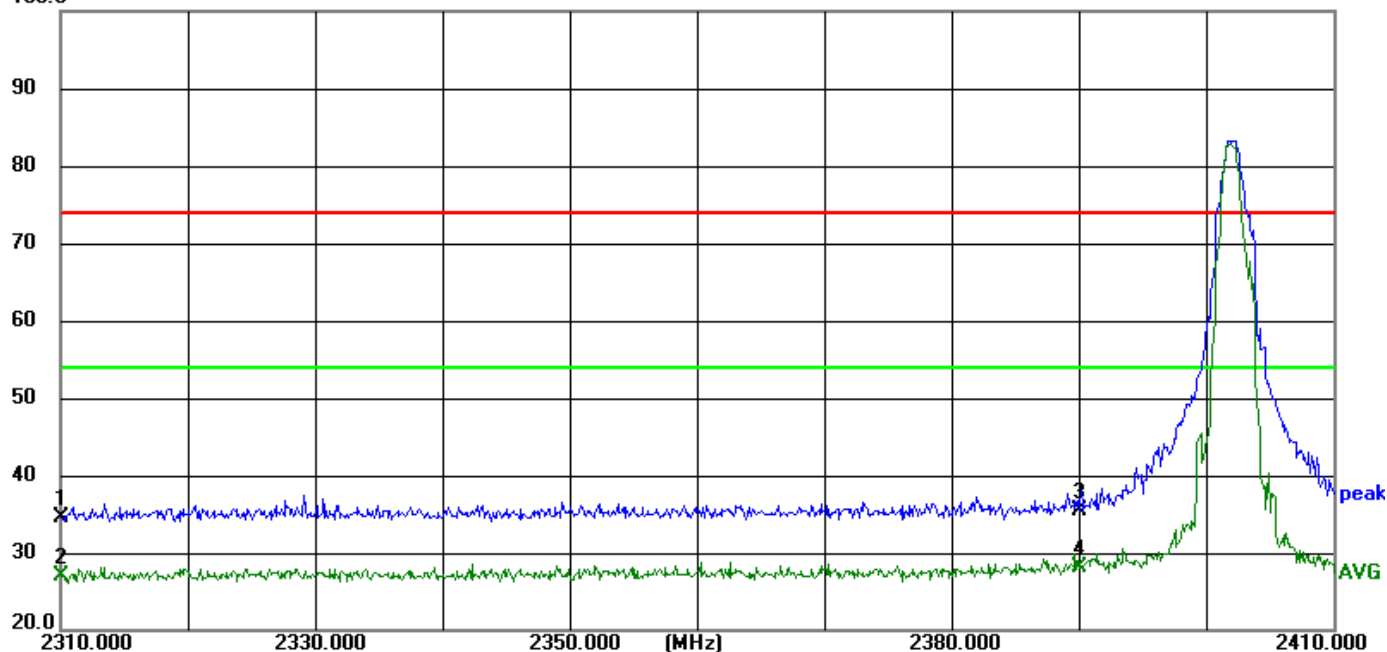
Lowest channel:

100.0 dBuV/m



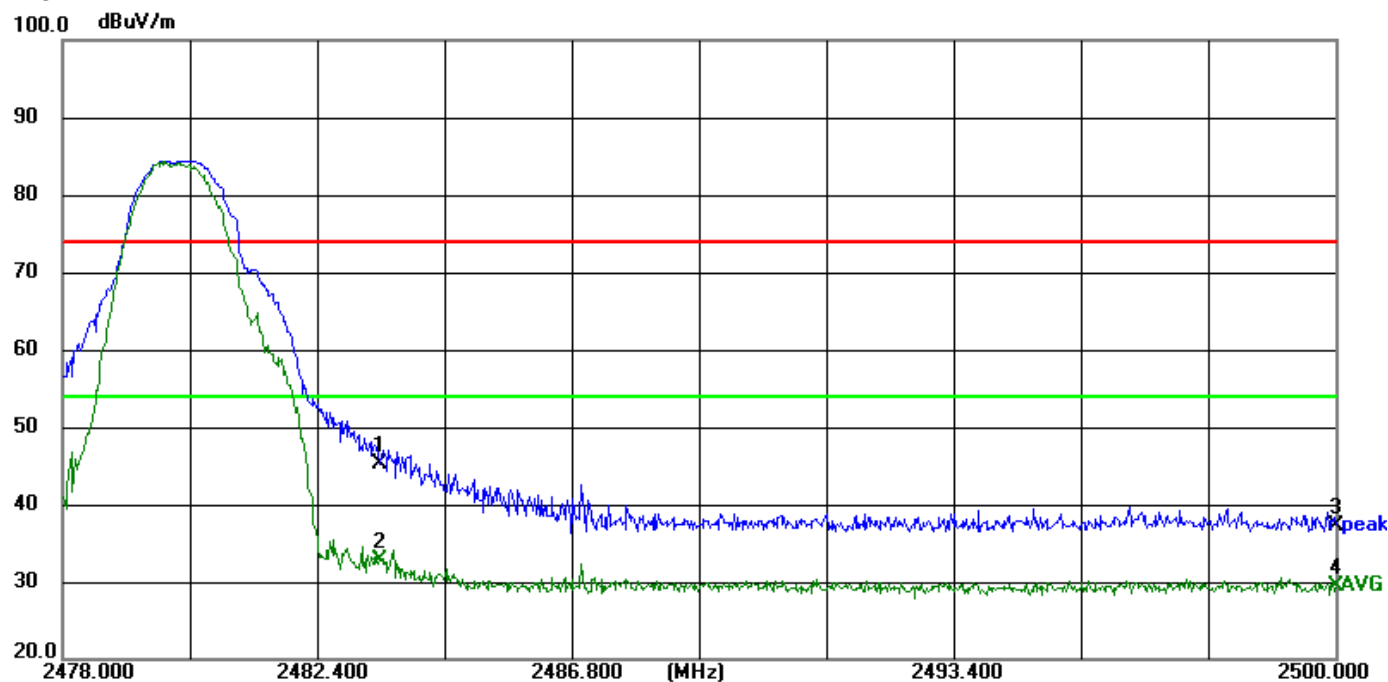
No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measure-ment(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	2310.000	56.87	-21.61	35.26	74.00	-38.74	peak	Vertical
2	2310.000	49.20	-21.61	27.59	54.00	-26.41	AVG	Vertical
3	2390.000	57.04	-21.18	35.86	74.00	-38.14	peak	Vertical
4 *	2390.000	48.82	-21.18	27.64	54.00	-26.36	AVG	Vertical

100.0 dBuV/m

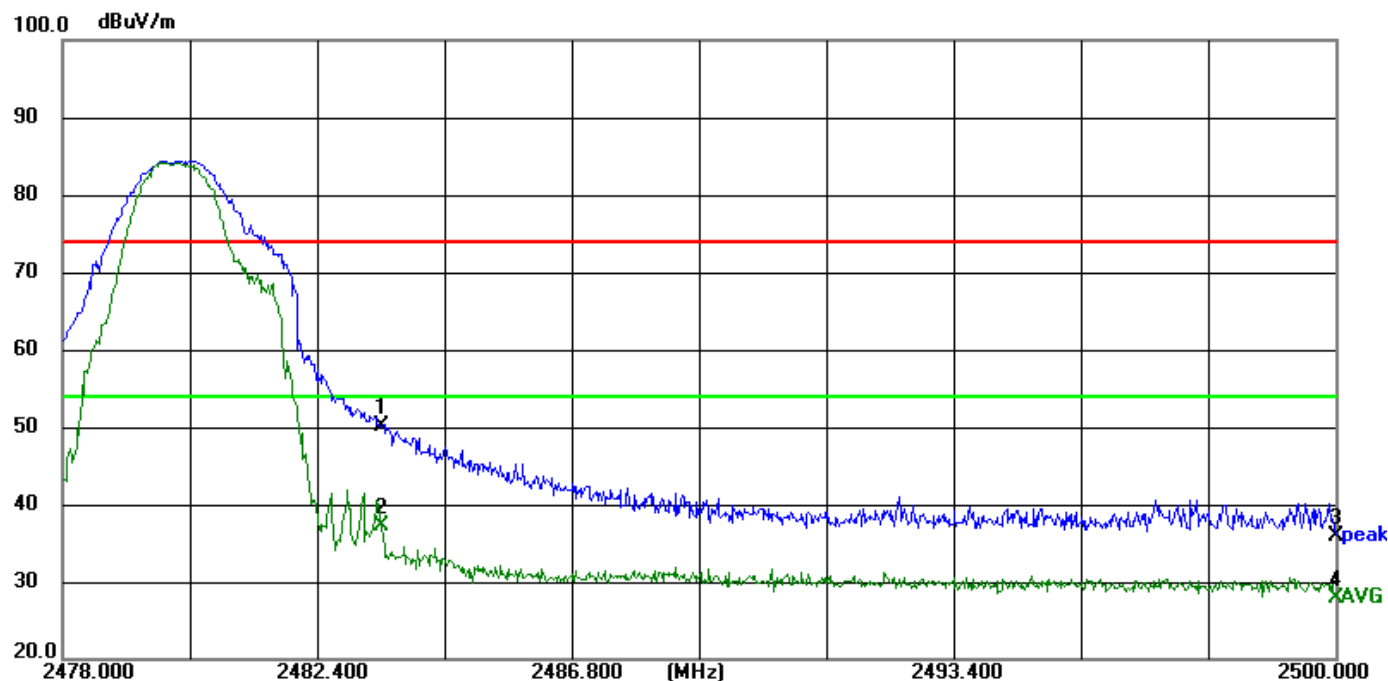


No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measure-ment(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	2310.000	56.07	-21.61	34.46	74.00	-39.54	peak	Horizontal
2	2310.000	48.59	-21.61	26.98	54.00	-27.02	AVG	Horizontal
3	2390.000	56.68	-21.18	35.50	74.00	-38.50	peak	Horizontal
4 *	2390.000	49.40	-21.18	28.22	54.00	-25.78	AVG	Horizontal

Highest channel:



No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	2483.500	65.95	-20.68	45.27	74.00	-28.73	peak	Vertical
2 *	2483.500	53.55	-20.68	32.87	54.00	-21.13	AVG	Vertical
3	2500.000	57.73	-20.60	37.13	74.00	-36.87	peak	Vertical
4	2500.000	50.03	-20.60	29.43	54.00	-24.57	AVG	Vertical



No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	2483.500	70.79	-20.68	50.11	74.00	-23.89	peak	Horizontal
2 *	2483.500	57.90	-20.68	37.22	54.00	-16.78	AVG	Horizontal
3	2500.000	56.55	-20.60	35.95	74.00	-38.05	peak	Horizontal
4	2500.000	48.56	-20.60	27.96	54.00	-26.04	AVG	Horizontal

Spurious Emissions:
Test Result

Test mode	Mode 1	Test channel	Lowest
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4804	51.16	33.35	7.7	53.72	38.49	74.00	-35.51	Vertical
7206	52.26	36.54	9.55	53.24	45.11	74.00	-28.89	Vertical
9608	53.66	39.04	11.29	53.28	50.71	74.00	-23.29	Vertical
4804	51.09	33.35	7.7	53.72	38.42	74.00	-35.58	Horizontal
7206	54.56	36.54	9.55	53.24	47.41	74.00	-26.59	Horizontal
9608	53.65	39.04	11.29	53.28	50.70	74.00	-23.30	Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4804	42.61	33.35	7.7	53.72	29.94	54.00	-24.06	Vertical
7206	47.14	36.54	9.55	53.24	39.99	54.00	-14.01	Vertical
9608	47.38	39.04	11.29	53.28	44.43	54.00	-9.57	Vertical
4804	43.05	33.35	7.7	53.72	30.38	54.00	-23.62	Horizontal
7206	46.79	36.54	9.55	53.24	39.64	54.00	-14.36	Horizontal
9608	42.92	39.04	11.29	53.28	39.97	54.00	-14.03	Horizontal

Note: Final Level = Receiver Read level + Factor

Factor = Antenna Factor + Cable Loss – Preamplifier Factor

The emission levels of other frequencies are very lower than the limit and not show in test report.

Only the worst case report(GFSK)

Test Result								
Test mode		Mode 1			Test channel		Middle	
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4880	52.19	33.57	7.77	53.71	39.82	74.00	-34.18	Vertical
7320	53.13	36.56	9.64	53.26	46.07	74.00	-27.93	Vertical
9760	54.85	39.11	11.39	53.25	52.10	74.00	-21.90	Vertical
4880	55.43	33.57	7.77	53.71	43.06	74.00	-30.94	Horizontal
7320	51.49	36.56	9.64	53.26	44.43	74.00	-29.57	Horizontal
9760	51.43	39.11	11.39	53.25	48.68	74.00	-25.32	Horizontal
Average value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4880	43.67	33.57	7.77	53.71	31.30	54.00	-22.70	Vertical
7320	42.09	36.56	9.64	53.26	35.03	54.00	-18.97	Vertical
9760	42.24	39.11	11.39	53.25	39.49	54.00	-14.51	Vertical
4880	44.02	33.57	7.77	53.71	31.65	54.00	-22.35	Horizontal
7320	43.56	36.56	9.64	53.26	36.50	54.00	-17.50	Horizontal
9760	46.05	39.11	11.39	53.25	43.30	54.00	-10.70	Horizontal
Note: Final Level =Receiver Read level + Factor Factor= Antenna Factor + Cable Loss – Preamplifier Factor The emission levels of other frequencies are very lower than the limit and not show in test report. Only the worst case report(GFSK)								

Test Result

Test mode	Mode 1	Test channel	Highest					
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4960	51.17	33.79	7.83	53.7	39.09	74.00	-34.91	Vertical
7440	52.79	36.59	9.72	53.29	45.81	74.00	-28.19	Vertical
9920	52.99	39.17	11.48	53.22	50.42	74.00	-23.58	Vertical
4960	51.57	33.79	7.83	53.7	39.49	74.00	-34.51	Horizontal
7440	52	36.59	9.72	53.29	45.02	74.00	-28.98	Horizontal
9920	51.49	39.17	11.48	53.22	48.92	74.00	-25.08	Horizontal
Average value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4960	44.71	33.79	7.83	53.7	32.63	54.00	-21.37	Vertical
7440	46.33	36.59	9.72	53.29	39.35	54.00	-14.65	Vertical
9920	43.09	39.17	11.48	53.22	40.52	54.00	-13.48	Vertical
4960	45.52	33.79	7.83	53.7	33.44	54.00	-20.56	Horizontal
7440	43.31	36.59	9.72	53.29	36.33	54.00	-17.67	Horizontal
9920	45.79	39.17	11.48	53.22	43.22	54.00	-10.78	Horizontal

Note: Final Level =Receiver Read level + Factor
Factor= Antenna Factor + Cable Loss – Preamplifier Factor
The emission levels of other frequencies are very lower than the limit and not show in test report.
Only the worst case report(GFSK)

6. Test setup photo

Refer to appendix I for details

7. Photo of the EUT

Refer to appendix II for details

*****End of report*****