

TEST REPORT

CERTIFICATE OF CONFORMITY

Standard: 47 CFR FCC Part 15, Subpart C (Section 15.247)
Report No.: RFBFOK-WTW-P23050750B-2
FCC ID: RI7SE250B4
Product: Module
Brand: Telit Cinterion
Model No.: SE250B4-NA
Received Date: 2025/7/16
Test Date: 2025/7/30 ~ 2025/7/31
Issued Date: 2025/11/25
Applicant: Telit Communications S.p.A.
Address: Via Stazione di Prosecco 5/b, 34010 Sgonico (Trieste), Italy
Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Lin Kou Laboratories
Lab Address: No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan
Test Location: No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City 33383, Taiwan
FCC Registration / 788550 / TW0003
Designation Number:

Approved by:

Jeremy Lin

Jeremy Lin / Project Engineer

, Date:

2025/11/25

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Prepared by : Polly Chien / Specialist



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Release Control Record

Issue No.	Description	Date Issued
RFBFOK-WTW-P23050750B-2	Original release.	2025/11/25

1 Certificate

Product: Module

Brand: Telit Cinterion

Test Model: SE250B4-NA

Sample Status: Engineering sample

Applicant: Telit Communications S.p.A.

Test Date: 2025/7/30 ~ 2025/7/31

Standard: 47 CFR FCC Part 15, Subpart C (Section 15.247)

Measurement procedure: ANSI C63.10-2013
KDB 558074 D01 15.247 Meas Guidance v05r02

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

2 Summary of Test Results

47 CFR FCC Part 15, Subpart C (Section 15.247)			
Standard / Clause	Test Item	Result	Remark
15.247 (a)(1)	RF Output Power	NA	Refer to Note 1
15.247(a)(1) (iii)	Number of Hopping Frequency Used	NA	Refer to Note 1
15.247(a)(1) (iii)	Dwell Time on Each Channel	NA	Refer to Note 1
15.247(a)(1)	Hopping Channel Separation	NA	Refer to Note 1
15.247(a)(1)	20 dB Bandwidth	-	Refer to Note 2
15.247(d)	Conducted Out of Band Emissions	NA	Refer to Note 1
15.207	AC Power Conducted Emissions	Pass	Minimum passing margin is -26.04 dB at 0.52985 MHz
15.205 / 15.209 / 15.247(d)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -10.5 dB at 53.28 MHz
15.205 / 15.209 / 15.247(d)	Unwanted Emissions above 1 GHz	NA	Refer to Note 1
15.203	Antenna Requirement	Pass	No antenna connector is used.

Notes:

1. Only AC power conducted emissions and unwanted emissions below 1 GHz were verified and recorded in this report. The others testing data refer to original test report.
2. If the Frequency Hopping System operating in 2400-2483.5 MHz band and the output power less than 125 mW. The hopping channel carrier frequencies separated by a minimum of 25 kHz or two-thirds of the 20 dB bandwidth of hopping channel whichever is greater.
3. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

2.1 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

Parameter	Specification	Uncertainty (±)
AC Power Conducted Emissions	9 kHz ~ 30 MHz	2.90 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	3.59 dB
	30 MHz ~ 1 GHz	3.6 dB

The other instruments specified are routine verified to remain within the calibrated levels, no measurement uncertainty is required to be calculated.

2.2 Supplementary Information

There is not any deviation from the test standards for the test method, and no modifications required for compliance.

3 General Information

3.1 General Description

Product	Module
Brand	Telit Cinterion
Test Model	SE250B4-NA
Status of EUT	Engineering sample
Power Supply Rating	3.8 Vdc (from DC Power Supply) 5 Vdc (from adapter)
Modulation Type	GFSK, $\pi/4$ -DQPSK, 8DPSK
Modulation Technology	FHSS
Transfer Rate	Up to 3 Mbps
Operating Frequency	2.402 GHz ~ 2.48 GHz
Number of Channel	79
Output Power	13.836 mW (11.41 dBm)
Technology Type	Bluetooth® BR/EDR
HW Version	1.1
SW Version	M0N.100003

Note:

1. This report is issued as a supplementary report of BV CPS report no.: RFBFOK-WTW-P23050750A-2. The differences compared to the original report are as below. Therefore, only AC power conducted emissions and unwanted emissions below 1 GHz were verified and recorded in this report. The others testing data refer to original test report.

- Add 2nd source components pin to pin
- Remove Filter
- HW updates version Change (HW Change SKU)
- Update SW Version as below table:

Model	SW	Change Note
SE250B4-NA	M0N.100001	Initial software
	M0N.100002	Enable GPS/AGPS ATT & Verizon issues fixed
	M0N.100003	Modify [Boot] correct pimem size for DDR 3G.

2. The EUT uses following support unit.

AC Adapter	Brand	Shenzhen Aoda Technology Co., Ltd
	Model	A938-055200W-US1
	AC Input	100-240V~50/60Hz, 0.35A
	DC Output	5V, 2A
	Power cord	1m, w/o core

3. Sample's information.

Item	Location	Version	Description	Manufacturer	Manufacturer P/N	Configuration			
						Config#1 (main source)	Config#2 (2nd source)	Config#3 (2nd source)	Config#4 (2nd source)
HW Version	N/A	1.0 Version	eMMC:16G+DRAM: 2G	LONGSYS		V			
		1.1 Version	eMMC:32G+DRAM: 2G	LONGSYS			V		
		1.0 Version	eMMC:16G+DRAM: 2G	SAMSUNG				V	
		1.1 Version	eMMC:32G+DRAM: 3G	LONGSYS					V
SW Version	N/A	M0N.100001	Initial software			V		V	
		M0N.100002	Enable GPS/AGPS ATT & Verizon issues fixed			V			
		M0N.100003	Modify [Boot] correct pimem size for DDR 3G.				V		V
Filter	F2201 F2203	N/A	SAW_LPF_698-960MHz_1*0.5*0.5_6P	MICROGATE	MLPF15M0829P69-L29	V		V	
Filter	FL2202	N/A	SAW_Low pass_1085MHz_2*1.25*1_3P	MURATA	LFL211G08TF3D908	V		V	
Memory eMMC	U2	N/A	IC_16GB_eMMC_2.7~3.6V_11.5*13.0*1.0_153P FBGA	LONGSYS	FEMDRM016G-58A43	V			
	U2		IC_eMMC 32G_2.7~3.6V_11.5*13*0.8_153P FBGA(TLC type)	LONGSYS	FEMDNN032G-C9A55		V		V
	U2		IC_16GB_eMMC_1.8V_11.5*13*0.8_153P FBGA	SAMSUNG	KLMAG1JETD-B041			V	
DDR4	U3		IC_LPDDR4X_16Gb_1.8V_10*14.5*1_200P_VFBG	LONGSYS	FLXC2002G-N2	V	V		
	U3		IC_LPDDR4X_24Gb_1.8V_10*14.5*1_200P_FBGA	LONGSYS	FLXC2003G-49				V
	U3		IC_LPDDR4X_16Gb_1.8V_10*15*0.9_200P_FBGA	SAMSUNG	K4U6E3S4AB-MGCL			V	
PCB	N/A	N/A	PCB_MB_R.C_14L_1.4mm_4 to 1	WUZHU	BEH3V1410043C0	V		V	
	N/A			HONGHUASHENG	695J008ECA		V		V
LPF	U2311,U2312	N/A	SAW_LPF_1710-2690MHz_1.6*0.8*0.6_4P	WALSIN	RFLPF1606F25T	V		V	
	U2311,U2312		SAW_LPF_1710-2690MHz_1.6*0.8*0.6_4P	WALSIN	RFLPF1606F48T		V		V

4. Simultaneously transmission condition.

Condition	Technology		
1	WWAN	WLAN (2.4 GHz)	Bluetooth
2	WWAN	WLAN (5 GHz)	Bluetooth

Note: The emission of the simultaneous operation has been evaluated and no non-compliance was found.

5. The above EUT information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or user's manual.

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

ANT. No.	Type	Connector	Frequency Range	Gain (dBi)
2.4G	Monopole	RP SMA	2400~2483.5MHz	3.757
5G	Monopole	RP SMA	5150~5250MHz	2.475
			5250~5350MHz	1.879
			5470~5725MHz	2.122
			5725~5850MHz	1.672

* Detail antenna specification please refer to antenna datasheet and/or antenna measurement report.

3.3 Channel List

79 channels are provided for BT-EDR:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	20	2422	40	2442	60	2462
1	2403	21	2423	41	2443	61	2463
2	2404	22	2424	42	2444	62	2464
3	2405	23	2425	43	2445	63	2465
4	2406	24	2426	44	2446	64	2466
5	2407	25	2427	45	2447	65	2467
6	2408	26	2428	46	2448	66	2468
7	2409	27	2429	47	2449	67	2469
8	2410	28	2430	48	2450	68	2470
9	2411	29	2431	49	2451	69	2471
10	2412	30	2432	50	2452	70	2472
11	2413	31	2433	51	2453	71	2473
12	2414	32	2434	52	2454	72	2474
13	2415	33	2435	53	2455	73	2475
14	2416	34	2436	54	2456	74	2476
15	2417	35	2437	55	2457	75	2477
16	2418	36	2438	56	2458	76	2478
17	2419	37	2439	57	2459	77	2479
18	2420	38	2440	58	2460	78	2480
19	2421	39	2441	59	2461		

3.4 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	1. EUT can be used in the following ways: Sample 1/ Sample 2. Pre-scan these ways and find the worst case as a representative test condition. 2. EUT can be used in the following ways: X-axis/ Y-axis/ Z-axis. Pre-scan these ways and find the worst case as a representative test condition.
Worst Case:	1. Sample 1/ Sample 2 Worst Condition: Sample 1 2. X-axis/ Y-axis/ Z-axis Worst Condition: X-axis (Ant Z-axis)

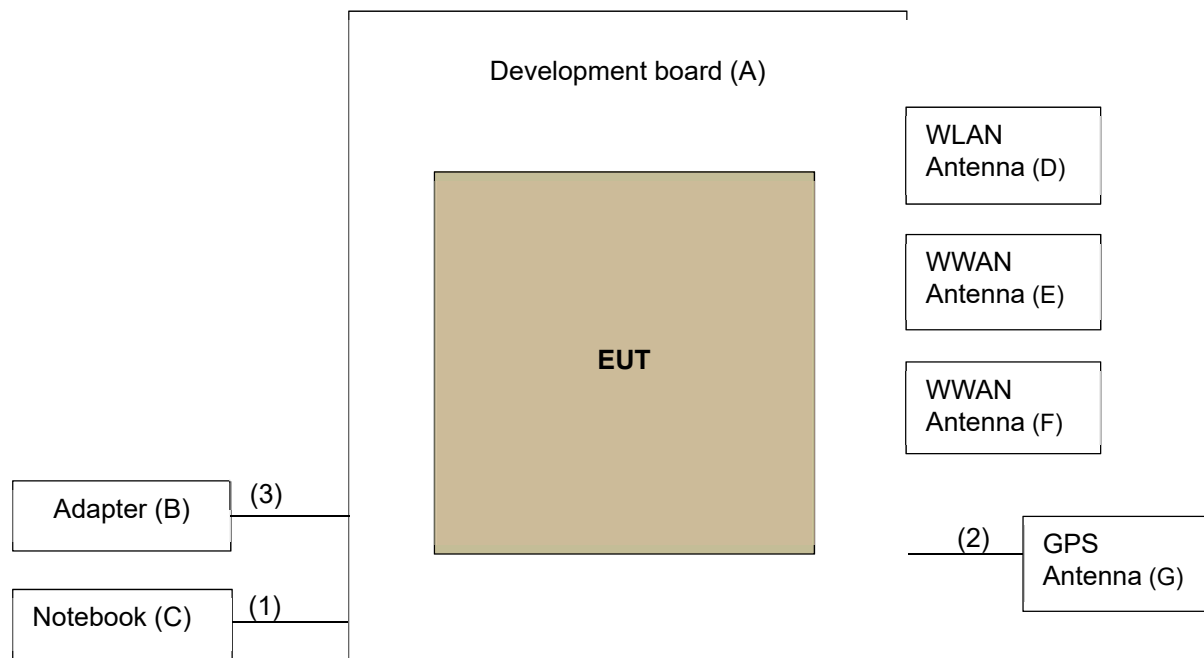
Following channel(s) was (were) selected for the final test as listed below:

Test Item	Tested Channel	Modulation	Data Rate Parameter
AC Power Conducted Emissions	39	GFSK	DH5
Unwanted Emissions below 1 GHz	39	GFSK	DH5

3.5 Test Program Used and Operation Descriptions

Controlling software QRCT Version 4.0.00195.0 has been activated to set the EUT under transmission condition continuously at specific channel frequency.

3.6 Connection Diagram of EUT and Peripheral Devices



3.7 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Development board	NA	NA	NA	NA	Supplied by applicant
B	Adapter	Shenzhen Aoda Technology Co., Ltd	A938-055200W-US1	NA	NA	Supplied by applicant
C	Notebook	Lenovo	X250ALT5	PC06HPSE	NA	Provided by Lab
D	WLAN Antenna	ZTX	1.22.00648	NA	NA	Supplied by applicant
E	WWAN Antenna	ZTX	1.22.00573	NA	NA	Supplied by applicant
F	WWAN Antenna	ZTX	1.22.00573	NA	NA	Supplied by applicant
G	GPS Antenna	HUIZHOU SPEED WIRELESS TECHNOLOGY CO., LTD.	L500MM	NA	NA	Supplied by applicant

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	Type-c cable	1	1	No	0	Provided by Lab
2	RF cable	1	1	No	0	Supplied by applicant
3	DC power cable	1	1	-	0	Supplied by applicant

4 Test Instruments

The calibration interval of the all test instruments are 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

4.1 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohm terminal resistance	E1-011279	04	2024/11/28	2025/11/27
	E1-011280	05	2024/11/28	2025/11/27
	E1-011311	09	2024/11/28	2025/11/27
DC-LISN Schwarzbeck	NNBM 8126G	8126G-069	2024/11/5	2025/11/4
Diode Pulse Limiter Schwarzbeck	VTSD 9561 F-N	01617	2025/4/27	2026/4/26
EMI Test Receiver R&S	ESR3	102783	2024/12/17	2025/12/16
LISN R&S	ESH2-Z5	100100	2025/3/5	2026/3/4
	ESH3-Z5	100312	2024/9/9	2025/9/8
RF Coaxial Cable Woken	5D-FB	Cable-cond2-01	2024/8/25	2025/8/24
Software BVADT	BVADT_Conc_ V7.4.1.0	N/A	N/A	N/A
V-LISN Schwarzbeck	NNBL 8226-2	8226-142	2024/8/28	2025/8/27

Notes:

1. The test was performed in HY - Conduction 2.
2. Tested Date: 2025/7/31

4.2 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower & Turn BV ADT	AT100	AT93021705	N/A	N/A
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-160	2024/10/9	2025/10/8
Loop Antenna TESEQ	HLA 6121	45745	2024/8/21	2025/8/20
MXE EMI Receiver Agilent	N9038A	MY51210203	2024/8/27	2025/8/26
Preamplifier Agilent	8447D	2944A10638	2025/4/27	2026/4/26
RF Coaxial Cable Woken	8D-FB	Cable-CH9-01	2025/4/27	2026/4/26
Signal & Spectrum Analyzer R&S	FSW43	101866	2025/3/25	2026/3/24
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table BV ADT	TT100	TT93021705	N/A	N/A
Turn Table Controller BV ADT	SC100	SC93021705	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 4.
2. Tested Date: 2025/7/30

5 Limits of Test Items

5.1 AC Power Conducted Emissions

Frequency (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15 - 0.5	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30.0	60	50

Notes:

1. The lower limit shall apply at the transition frequencies.
2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50 MHz.

5.2 Unwanted Emissions below 1 GHz

Radiated emissions up to 1 GHz which fall in the restricted bands must comply with the radiated emission limits specified as below table. Other emissions shall be at least 20 dB below the highest level of the desired power:

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 ~ 0.490	2400/F(kHz)	300
0.490 ~ 1.705	24000/F(kHz)	30
1.705 ~ 30.0	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

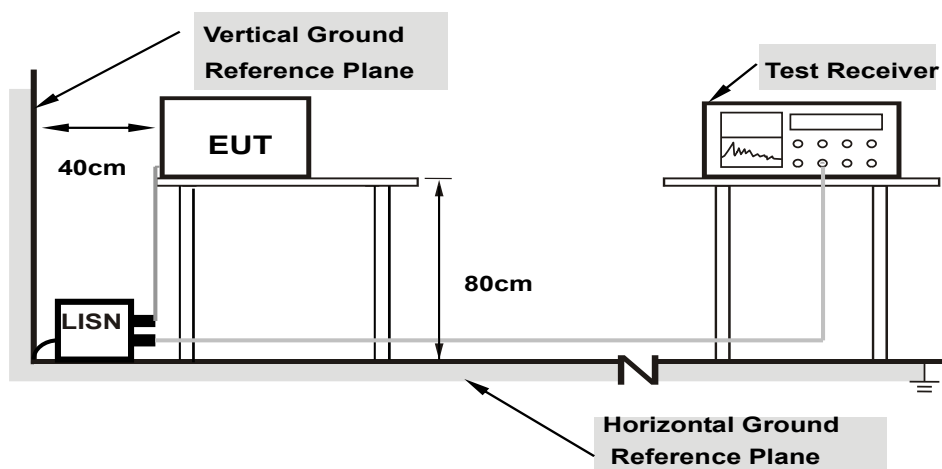
Notes:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).

6 Test Arrangements

6.1 AC Power Conducted Emissions

6.1.1 Test Setup



Note: 1.Support units were connected to second LISN.

For the actual test configuration, please refer to the attached file (Test Setup Photo).

6.1.2 Test Procedure

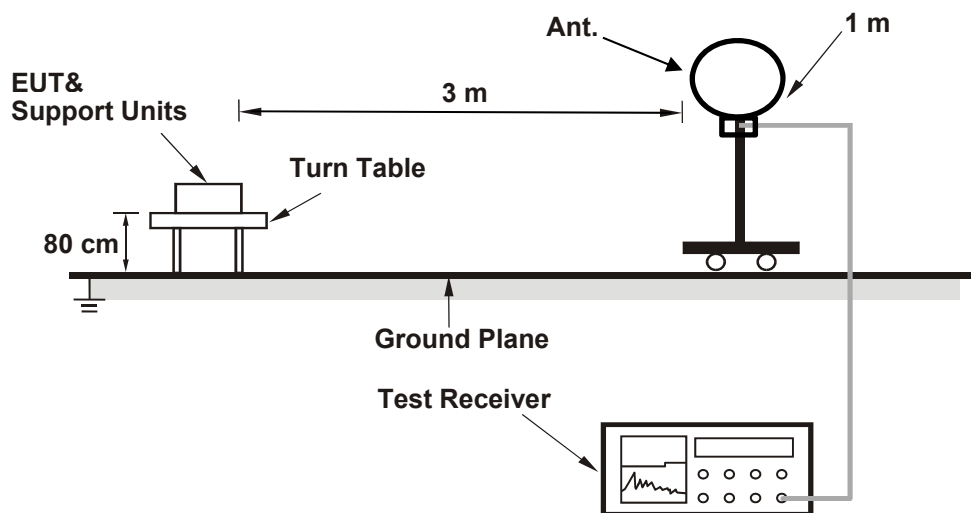
- The EUT was placed on a 0.8 meter to the top of table and placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50 uH of coupling impedance for the measuring instrument.
- Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit – 20 dB) was not recorded.

Note: The resolution bandwidth and video bandwidth of test receiver is 9 kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15 MHz-30 MHz.

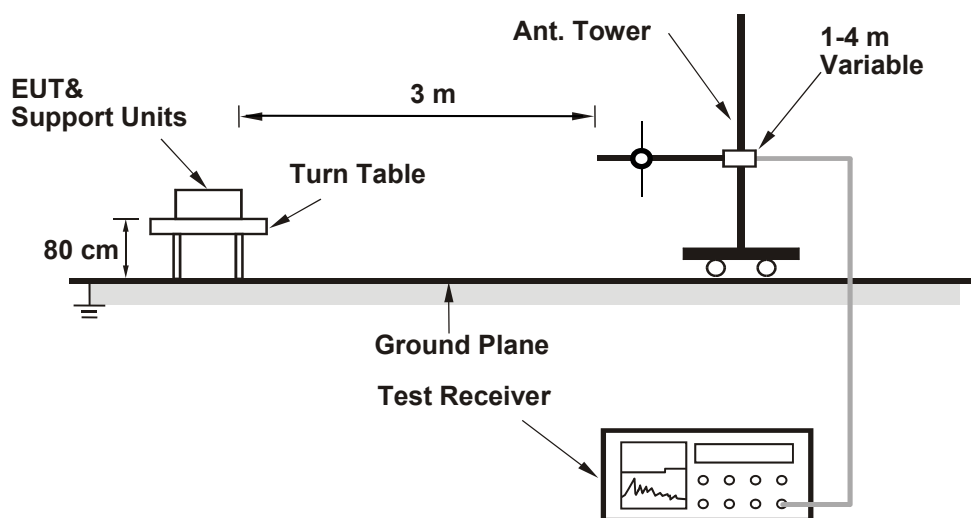
6.2 Unwanted Emissions below 1 GHz

6.2.1 Test Setup

For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



For the actual test configuration, please refer to the attached file (Test Setup Photo).

6.2.2 Test Procedure

For Radiated emission below 30 MHz

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. Parallel, perpendicular, and ground-parallel orientations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode, except for the frequency band (9 kHz to 90 kHz and 110 kHz to 490 kHz) set to average detect function and peak detect function.

Notes:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 200 Hz at frequency below 150 kHz.
2. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9 kHz or 10 kHz at frequency (150 kHz to 30 MHz).
3. All modes of operation were investigated and the worst-case emissions are reported.

For Radiated emission above 30 MHz

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.

Notes:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection (QP) at frequency below 1 GHz.
2. All modes of operation were investigated and the worst-case emissions are reported.

7 Test Results of Test Item

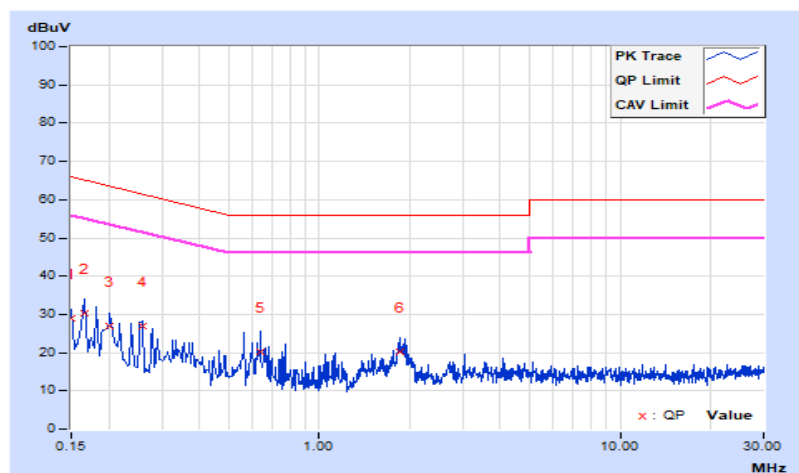
7.1 AC Power Conducted Emissions

RF Mode	BT GFSK	Channel	CH 39 : 2441 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Thomas Cheng		

Phase Of Power : Line (L)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	10.29	18.76	2.90	29.05	13.19	66.00	56.00	-36.95	-42.81
2	0.16600	10.30	19.87	2.78	30.17	13.08	65.16	55.16	-34.99	-42.08
3	0.20200	10.33	16.57	1.94	26.90	12.27	63.53	53.53	-36.63	-41.26
4	0.25800	10.34	16.45	2.29	26.79	12.63	61.50	51.50	-34.71	-38.87
5	0.63800	10.39	9.97	1.83	20.36	12.22	56.00	46.00	-35.64	-33.78
6	1.86600	10.50	9.80	1.33	20.30	11.83	56.00	46.00	-35.70	-34.17

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

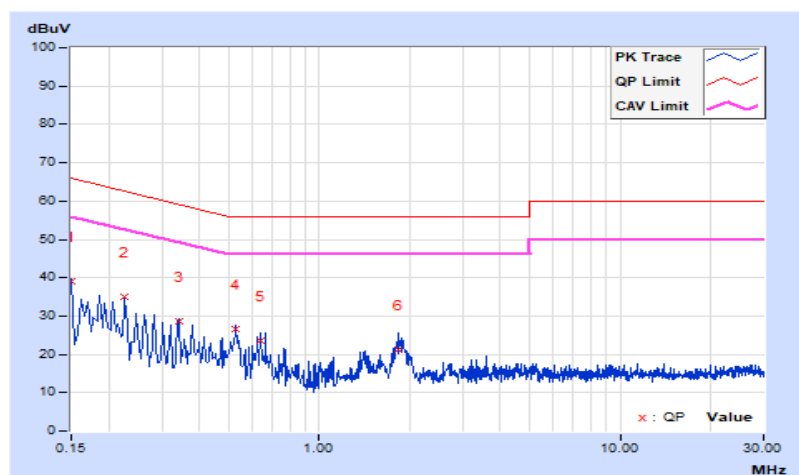


RF Mode	BT GFSK	Channel	CH 39 : 2441 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Thomas Cheng		

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	10.34	28.56	12.21	38.90	22.55	66.00	56.00	-27.10	-33.45
2	0.22600	10.36	24.81	10.98	35.17	21.34	62.60	52.60	-27.43	-31.26
3	0.34200	10.38	18.16	7.05	28.54	17.43	59.15	49.15	-30.61	-31.72
4	0.52985	10.41	16.31	9.55	26.72	19.96	56.00	46.00	-29.28	-26.04
5	0.63800	10.42	13.26	2.80	23.68	13.22	56.00	46.00	-32.32	-32.78
6	1.83400	10.50	10.82	1.81	21.32	12.31	56.00	46.00	-34.68	-33.69

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value



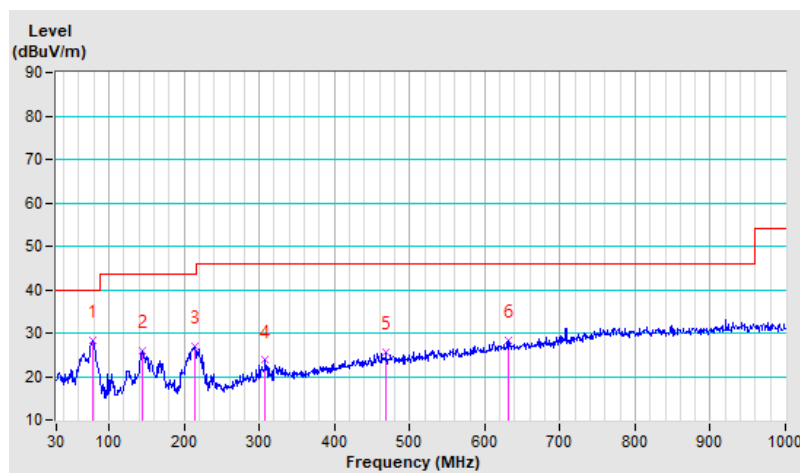
7.2 Unwanted Emissions below 1 GHz

RF Mode	BT GFSK	Channel	CH 39 : 2441 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120 kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65% RH
Tested By	Thomas Cheng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	78.50	28.3 QP	40.0	-11.7	2.00 H	4	44.9	-16.6
2	144.46	25.8 QP	43.5	-17.7	1.00 H	240	38.2	-12.4
3	214.30	26.9 QP	43.5	-16.6	1.50 H	155	42.3	-15.4
4	307.42	23.7 QP	46.0	-22.3	1.00 H	285	35.1	-11.4
5	468.44	25.5 QP	46.0	-20.5	1.00 H	13	32.8	-7.3
6	631.40	28.4 QP	46.0	-17.6	2.00 H	18	32.2	-3.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

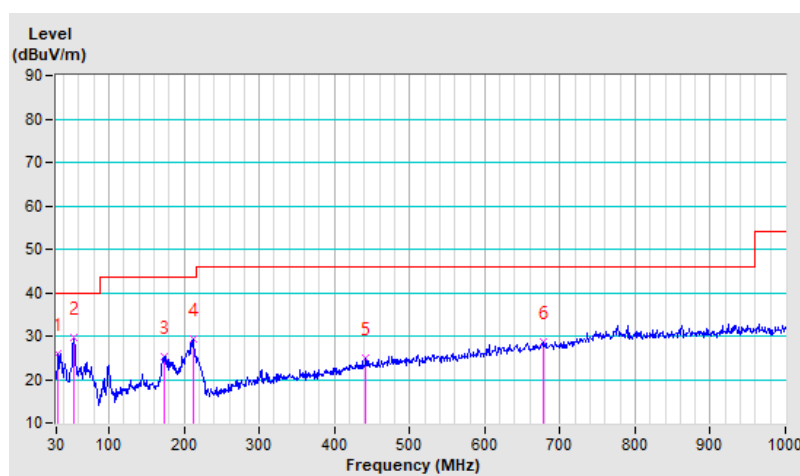


RF Mode	BT GFSK	Channel	CH 39 : 2441 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120 kHz, DET=Quasi-Peak
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 65% RH
Tested By	Thomas Cheng		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	31.94	25.8 QP	40.0	-14.2	1.50 V	192	38.7	-12.9
2	53.28	29.5 QP	40.0	-10.5	1.00 V	149	41.8	-12.3
3	172.59	25.3 QP	43.5	-18.2	1.00 V	112	38.2	-12.9
4	211.39	29.2 QP	43.5	-14.3	2.00 V	192	44.6	-15.4
5	441.28	24.8 QP	46.0	-21.2	1.00 V	4	32.6	-7.8
6	676.99	28.7 QP	46.0	-17.3	1.50 V	260	31.8	-3.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



8 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo)

9 Information of the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are FCC recognized accredited test firms and accredited according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

Lin Kou EMC/RF Lab

Tel: 886-2-26052180

Fax: 886-2-26051924

Hsin Chu EMC/RF/Telecom Lab

Tel: 886-3-6668565

Fax: 886-3-6668323

Hwa Ya EMC/RF/Safety Lab

Tel: 886-3-3183232

Fax: 886-3-3270892

Email: service.adt@bureauveritas.com

Web Site: <http://ee.bureauveritas.com.tw>

The address and road map of all our labs can be found in our web site also.

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