

Test Report No:
2470720R-RFUSV01S-A

TEST REPORT

FCC Rules&Regulations

Product Name	Pyxis LTE Router
Brand Name	
Model No.	RT1XR-S91US
FCC ID	2AXTDRT1XRS91US
Applicant's Name / Address	Ubiik Inc. 19F., No. 17, Sec. 1, Chengde Rd., Datong Dist., Taipei City 103, Taiwan (R.O.C.)
Manufacturer's Name / Address	Ubiik Inc. 19F., No. 17, Sec. 1, Chengde Rd., Datong Dist., Taipei City 103, Taiwan (R.O.C.)
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	 Jennie She
Approved By	 Allen Lin
Date of Receipt	Jul. 22, 2024
Date of Issue	Dec. 18, 2024
Report Version	V1.0

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Appendix A. Test Result of AC Power Line Conducted Emission

Appendix B. Test Result of Occupied Bandwidth & DTS Bandwidth

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Appendix F. Test Result of Transmitter Radiated Spurious Emission

Appendix G. Test Setup Photograph

Competences and Guarantees

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

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

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

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

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

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

General Conditions

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

Revision History

Version	Description	Issued Date
V1.0	Initial issue of report	Dec. 18, 2024

Summary of Test Result

Report Clause	Test Items	Result (PASS/FAIL)	Remark
3	AC Power Line Conducted Emission	PASS	-
4	Occupied Bandwidth & DTS Bandwidth	PASS	-
5	Maximum Conducted Output Power	PASS	-
6	Maximum Power Spectral Density	PASS	-
7	Antenna Port Conducted Emission	PASS	-
8	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	902~928 MHz
Operating Frequency	902.9~914.3 MHz (UL: 902-915MHz / DL: 925-928MHz)
Channel Number	115 Channels
Channel Spacing	100 kHz
Channel Bandwidth	1.4 MHz
Type of Modulation	QPSK / 16QAM

Accessories Information					
No.	Equipment Name	Brand Name	Model No.	Rating	Remark
1	Adapter 1	Ktec	KSA-36W-120300D5	INPUT: 100-240V, 1A, 50-60Hz OUTPUT: 12V, 3A, 36W	With power cable: Non-Shielded, 1.5m
No.	Equipment Name	Brand Name	Model No.	Description	
2	Ethernet cable	NIENYI	0572-1150000002	Non-Shielded, 1.5m	
3	GPIO Cable	U-MEDIA	0573-1200090002	Non-Shielded, 2m	

For SRD Function:

Antenna Information						
Ant.	Brand Name	Model No.	Type	Antenna Gain (dBi)	Cable loss (dB)	Actual Gain (dBi)
1	M.gear	C1991-510073-A(SRF2020776)	Dipole	0.2	-	0.2
2	Grand-Tek	OA-L71-05-03A-C5-5G	Dipole	1.4	-	1.4
3	JOYMAX	ZWX-715BSA5B-1264	Dipole	1.7	-	1.7
4	Invax	DS0915-0726WNM	Dipole	5.73	0.39	5.34

Note:

- The EUT supports the 1TX function.
- Since antenna 1~4 are of the same type, antenna 4 is the highest gain and be evaluated.

For GNSS Function:

Antenna Information				
Ant.	Brand Name	Model No.	Type	Antenna Gain (dBi)
1	Grand-Tek	OA-L71-05-03A-C5-5G	Dipole	0.7
2	INPAQ	ENS000041280	RHCP	4.87
3	Jinchang	JCA211Magnet	RHCP	2

1.2. EUT Information

EUT Power Type	From Adapter / PoE / DC power supply		
EUT Function	☒ Point-to-multipoint	☐ Point-to-point	

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 ISED.	
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 ISED.	
Test site number for address 1 includes HC-SR02. 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	Gary Liao	24 / 62	2024/12/03
RF Conducted Emission	HC-SR12	Kevin Teng	22.4 / 52	2024/07/12~2024/09/05
Radiated Emission	HC-CB02	Scott Chang Gary Liao	22.5~24.5 / 51~62	2024/11/26~2024/11/28

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
Occupied Bandwidth & DTS Bandwidth	± 282.55 Hz
Maximum Conducted Output Power	± 1.16 dB
Maximum Power Spectral Density	± 2.47 dB
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
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	2023/10/25	2024/10/24
Pulse Power Sensor	Anritsu	MA2411B	1531044	0.3-40 GHz	2023/10/25	2024/10/24
Signal & Spectrum Analyzer	R&S	FSV40	101869	10Hz-40GHz	2024/06/20	2025/06/19

HC-CB02

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Cal. Date	Next Cal. Date
Signal and Spectrum Analyzer	R&S	FSVA40	101435	10 Hz-40 GHz	2024/05/17	2025/05/16
Trilog Broadband Antenna	Schwarzbeck	VULB 9168	1272	30 MHz-2 GHz	2024/04/29	2025/04/28
Double Ridged Horn Antenna	RF SPIN	DRH18-E	211211A18EN	1G-18GHz	2024/11/08	2025/11/07
Horn Antenna	Schwarzbeck	BBHA 9170	203	18G-40GHz	2024/02/02	2025/02/01
Pre-Amplifier	EMCI	EMC01820I	980365	30M-8 GHz,20 dB	2024/04/02	2025/04/01
Pre-Amplifier	EMEC	EM01G18GA	060741	1G-18 GHz,50 dB	2024/04/23	2025/04/22
Pre-Amplifier	DEKRA	AP-400C	201801231	18G-40 GHz,48 dB	2024/10/15	2025/10/14
EMI Test Receiver	R&S	ESR7	102260	10 Hz-7 GHz	2024/11/15	2025/11/14
Magnetic Loop Antenna	Teseq	HLA 6121	44287	0.01-30 MHz	2024/10/17	2025/10/16
Coaxial Cable(13m)	Suhner	SF104	HC-CB02	30M-18 GHz	2024/08/13	2025/08/12
Coaxial Cable(3m)	Suhner,Rosnol	SF102_UP0264	HC-CB02-1	18G-40 GHz 3 m	2024/08/13	2025/08/12
Radiated Software	Audix	e3 V9	HC-CB02_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 Version	N/A
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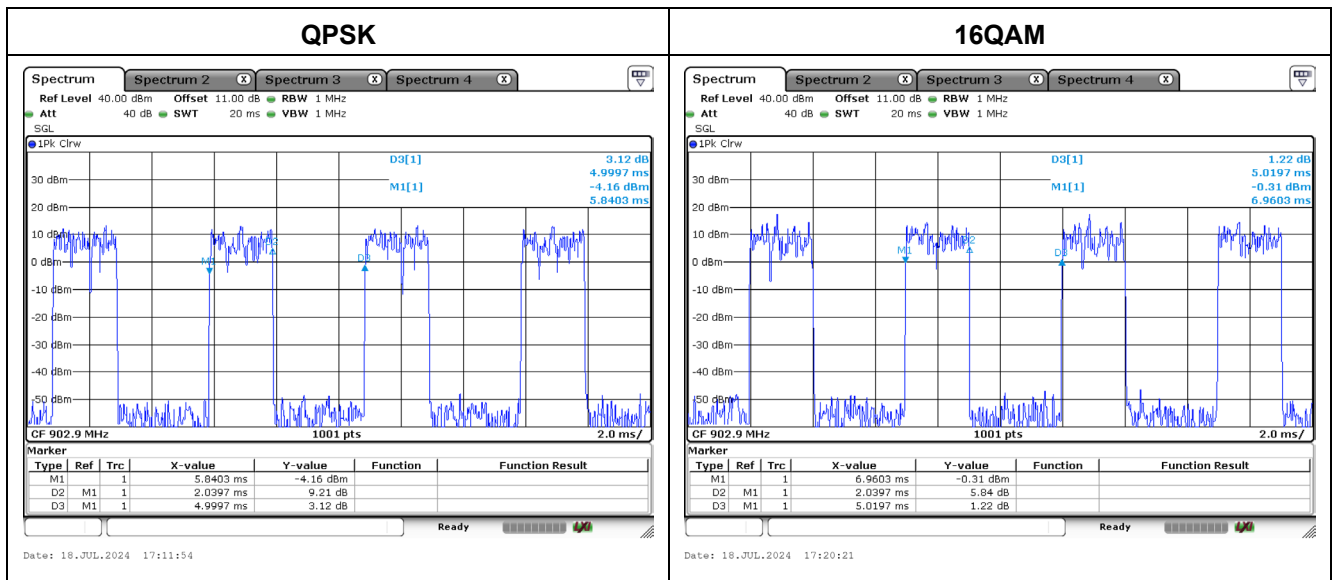
Note: Communicate with the base station for continuous transmitter and receiver.

Modulation	Frequency (MHz)	Power Setting
QPSK	902.9	Default
	908.5	Default
	914.3	Default
16QAM	902.9	Default
	908.5	Default
	914.3	Default

2.3. Duty Cycle

Modulation	On Times (ms)	On+Off Times (ms)	Duty Cycle (%)	Duty Factor (dB)	1/T Minimum VBW (kHz)
QPSK	2.039	4.999	40.79%	3.895	0.490
16QAM	2.040	5.020	40.63%	3.911	0.490

Note: The duty factor will compensate for the total power and power spectral density.



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 + Adapter
2	EUT + PoE

Tests Item	Occupied Bandwidth & DTS Bandwidth Maximum Conducted Output Power Maximum Power Spectral Density 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 + Adapter
2	EUT + PoE
3	EUT + DC Power Supply
Operating Mode > 1GHz	Transmit
The EUT was performed at X axis, Y axis and Z axis position for radiated spurious emission test. The worst case was found at X axis, so the measurement will follow this same test configuration.	

Note:

1. Determining compliance shall be based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
2. 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	Base Station	R&S	CMW500	157118

Test Mode: Mode 2

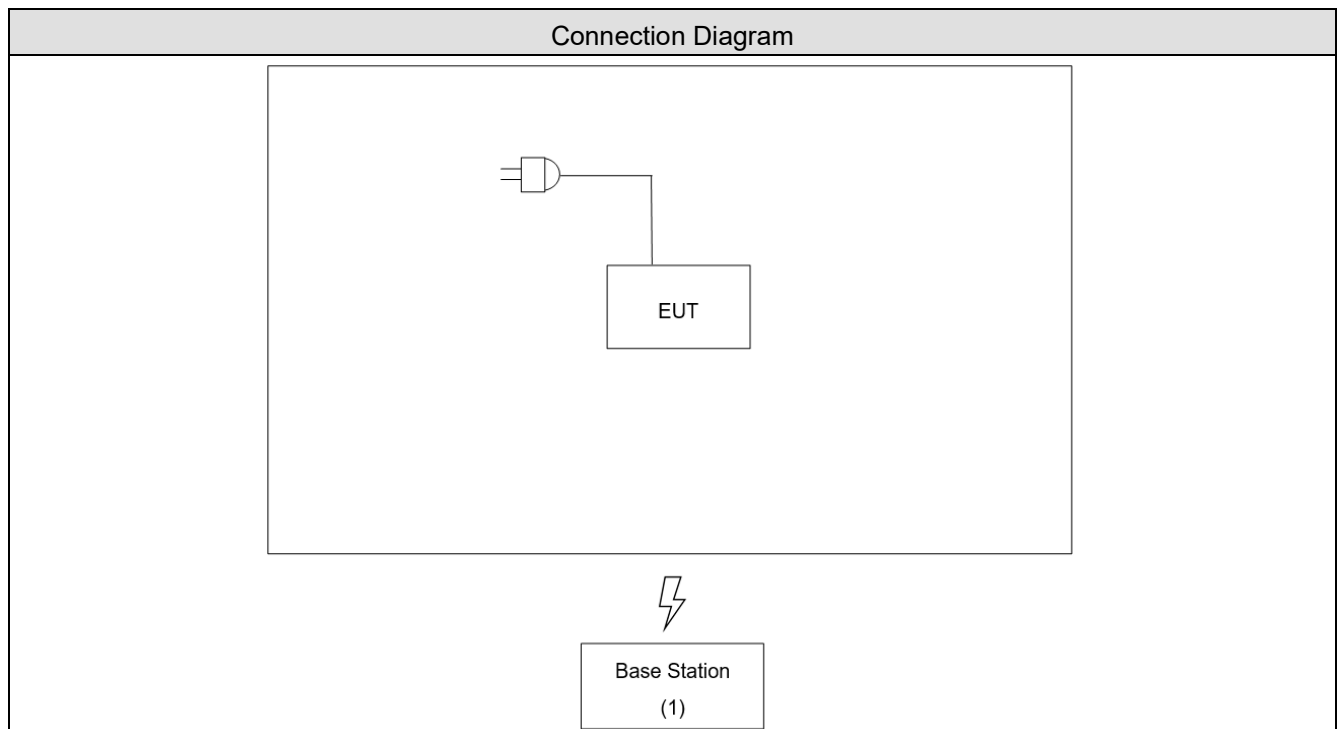
No.	Equipment	Brand Name	Model No.	Serial No.
1	Base Station	R&S	CMW500	157118
2	POE	Bullet	BPI106-GAUL	N/A

Test Mode: Mode 3

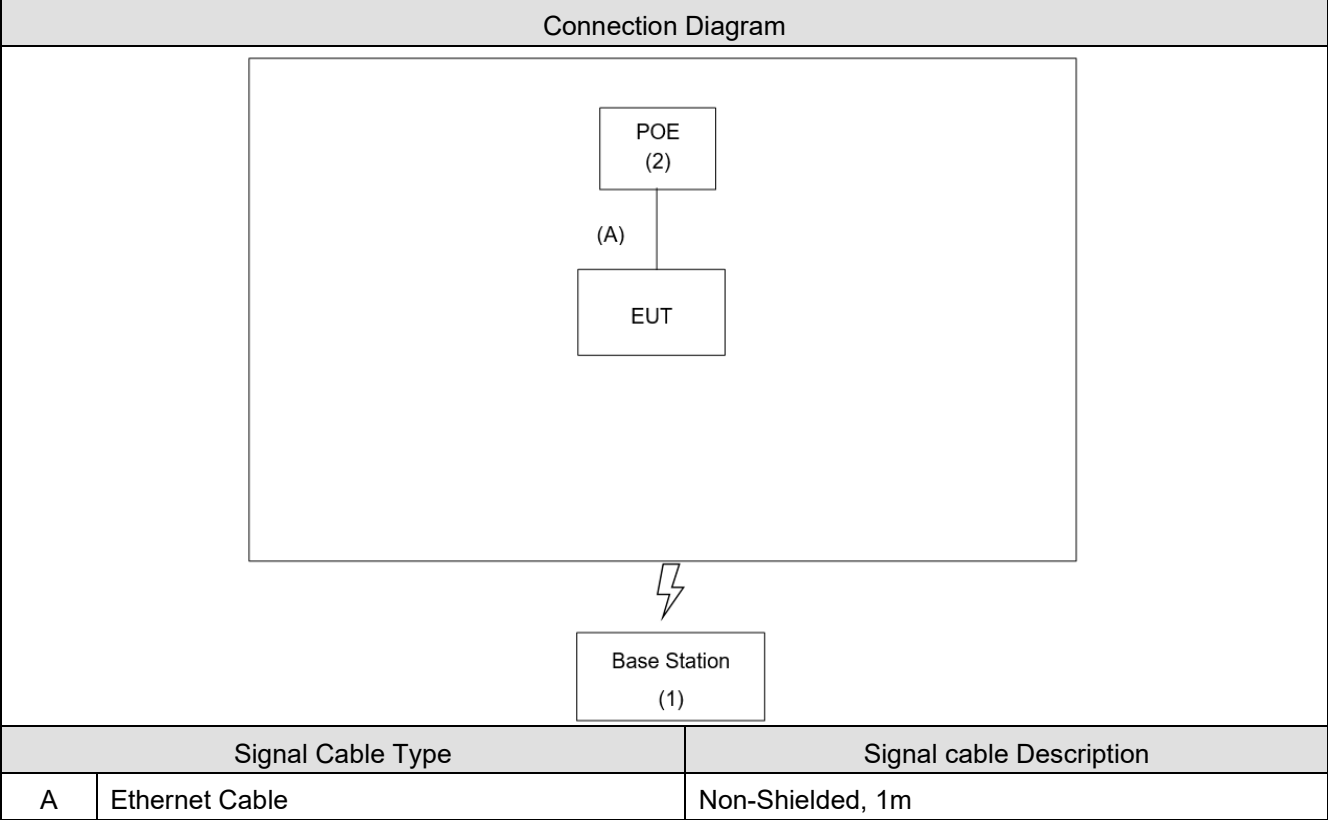
No.	Equipment	Brand Name	Model No.	Serial No.
1	Base Station	R&S	CMW500	157118
2	Power Supply	Topward	6303D	809497

2.6. Configuration of Tested System

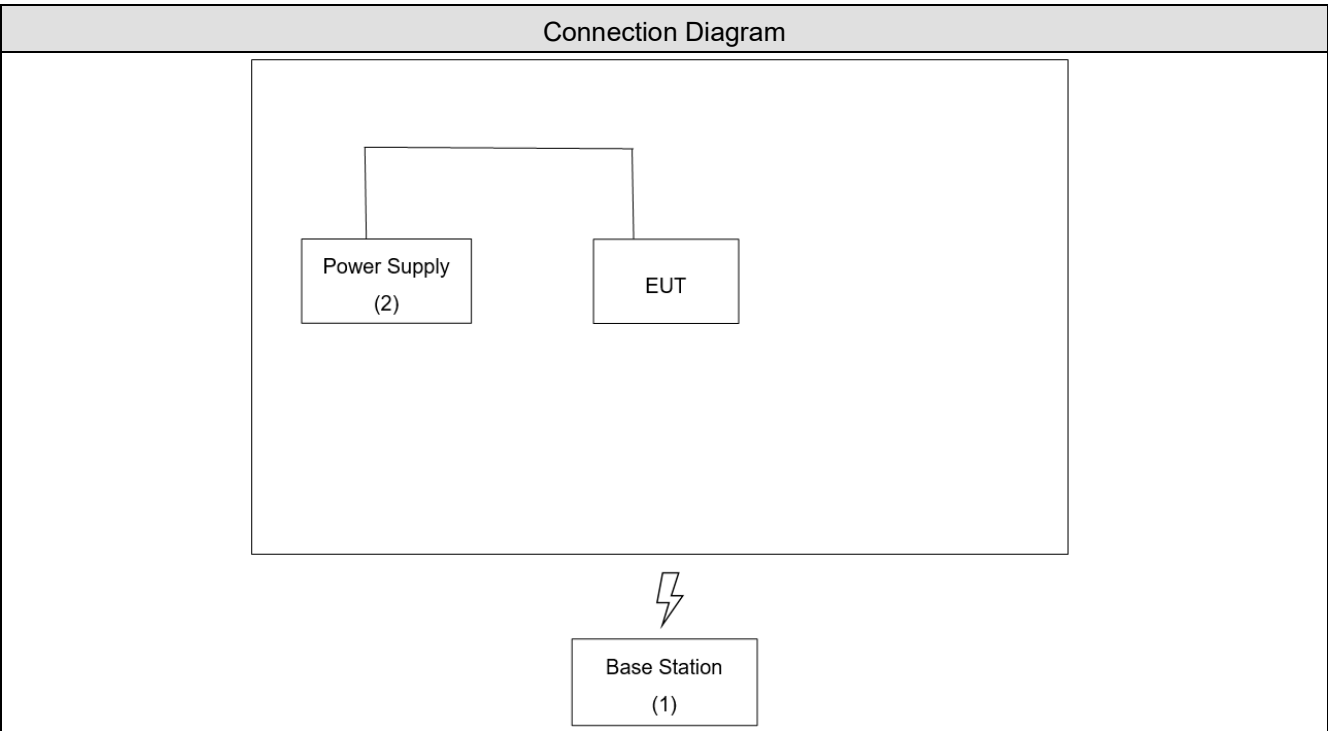
Test Mode: Mode 1



Test Mode: Mode 2

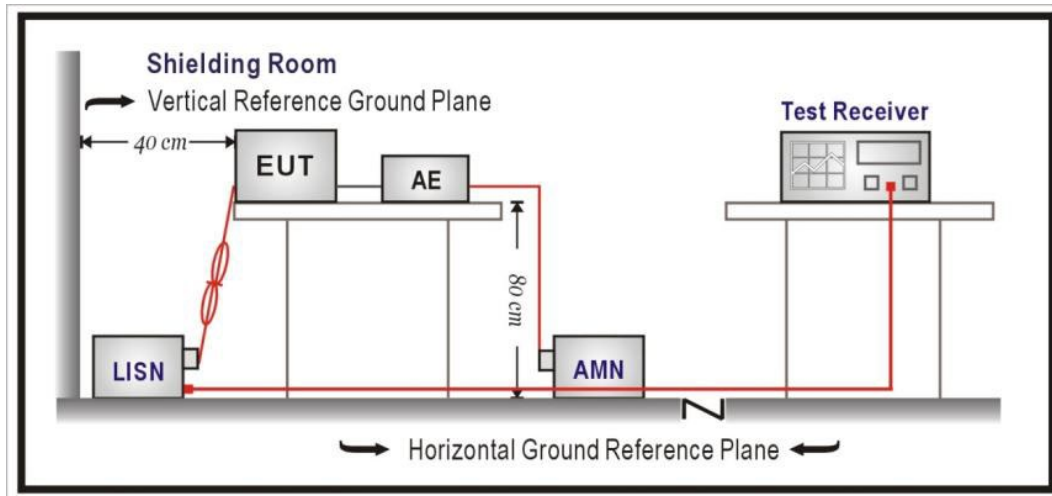


Test Mode: Mode 3



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. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs.)

Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.

The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.

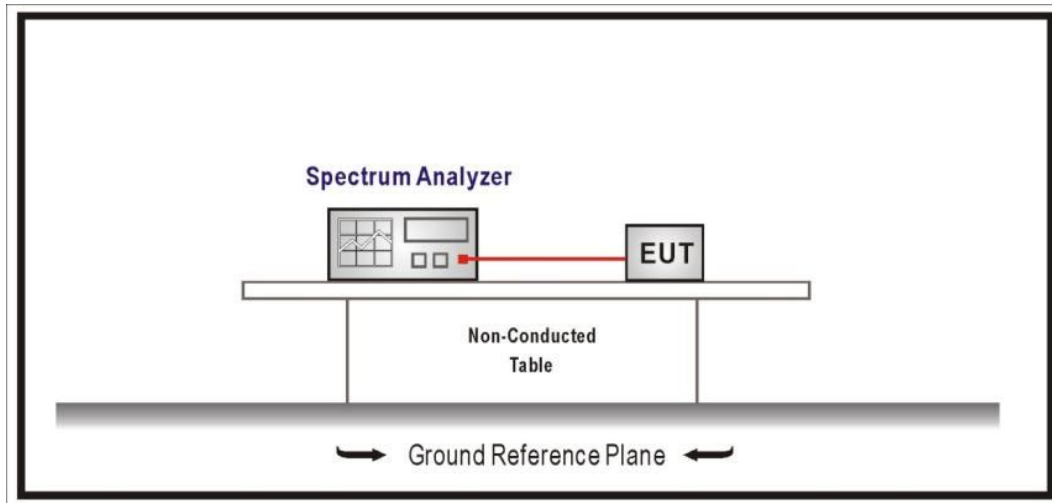
Conducted emissions were investigated over the frequency range from 0.15 MHz to 30 MHz using a receiver bandwidth of 9 kHz.

3.4. Test Result of AC Power Line Conducted Emission

Refer as Appendix A

4. Occupied Bandwidth & DTS Bandwidth

4.1. Test Setup



4.2. Test Limit

The 6 dB bandwidth: ≥ 0.50 MHz.

Occupied Bandwidth: N/A

4.3. Test Procedures

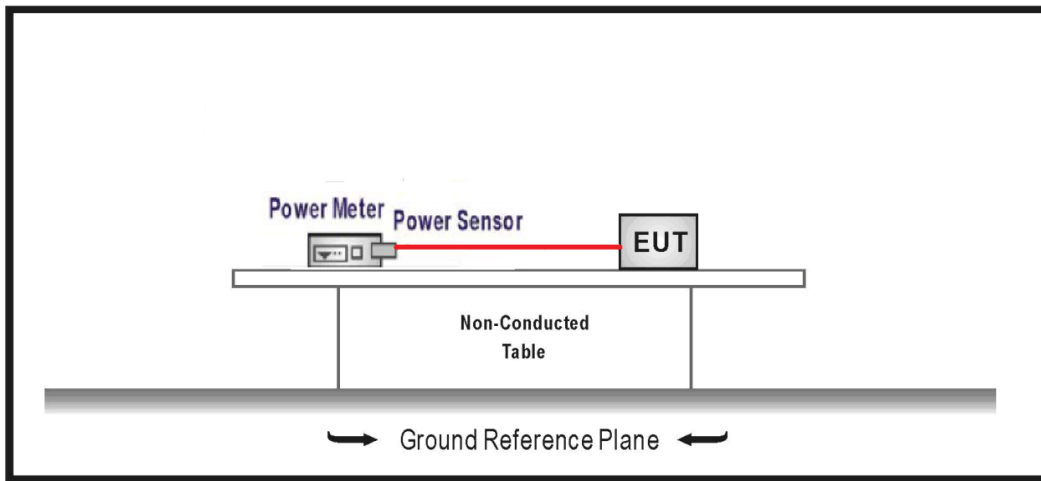
The EUT was setup according to ANSI C63.10: 2013; tested according to DTS test procedure of KDB 558074.

4.4. Test Result of Occupied Bandwidth & DTS Bandwidth

Refer as Appendix B

5. Maximum Conducted Output Power

5.1. Test Setup



5.2. Test Limit

The maximum conducted output power shall be less 30 dBm (1 Watt).

5.3. Test Procedures

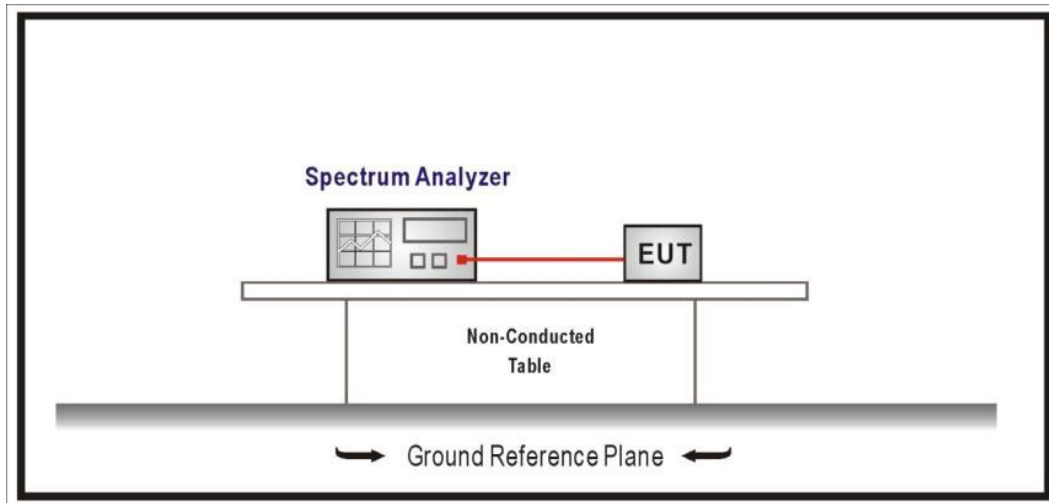
The EUT was setup according to ANSI C63.10: 2013; tested according to DTS test procedure of KDB 558074.

5.4. Test Result of Maximum Conducted Output Power

Refer as Appendix C

6. Maximum Power Spectral Density

6.1. Test Setup



6.2. Test Limit

The peak power spectral density conducted from the intentional radiated to the antenna shall not be greater than +8 dBm in any 3 kHz band during any time interval of continuous transmission.

6.3. Test Procedures

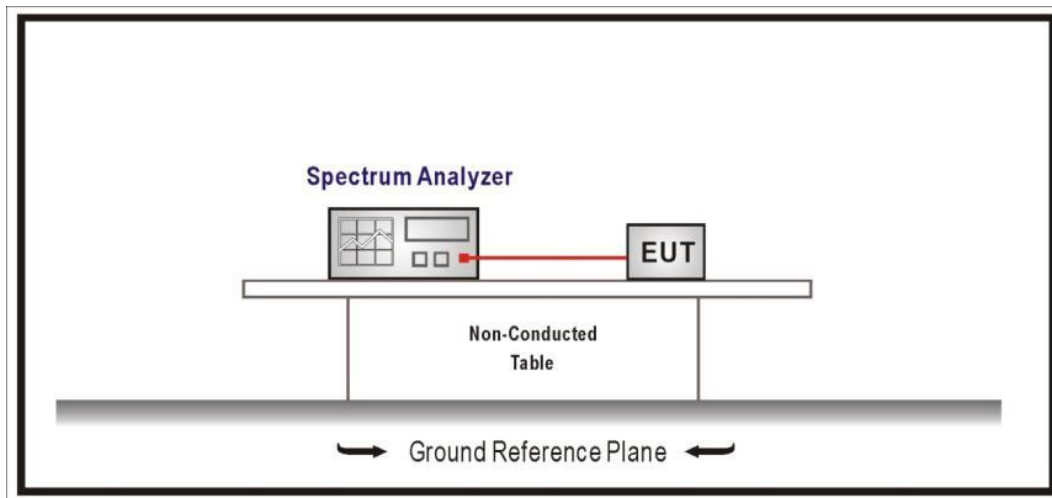
The EUT was setup according to ANSI C63.10: 2013; tested according to DTS test procedure of KDB 558074.

6.4. Test Result of Maximum Power Spectral Density

Refer as Appendix D

7. Antenna Port Conducted Emission

7.1. Test Setup



7.2. Test Limit

RF output power procedure	Limit (dBc)
Peak output power procedure	20
Average output power procedure	30

Remarks:

1. In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated 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, provided the transmitter demonstrates compliance with the peak conducted power limit.
2. If the transmitter complies with the conducted power limit based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

7.3. Test Procedure

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

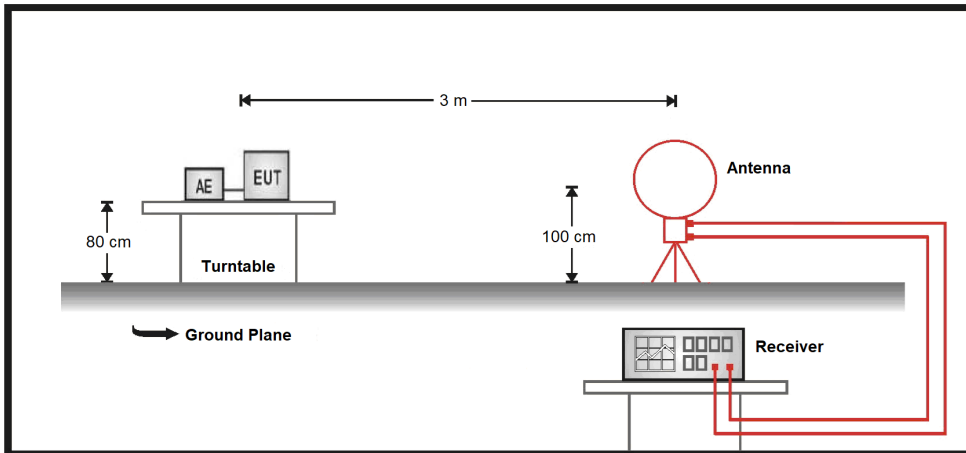
7.4. Test Result of Antenna Port Conducted Emission

Refer as Appendix E

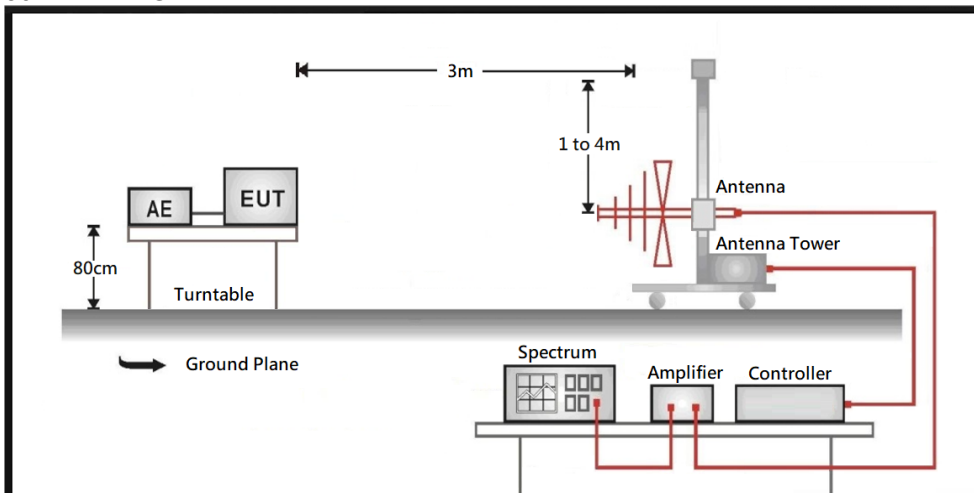
8. Transmitter Radiated Spurious Emission

8.1. Test Setup

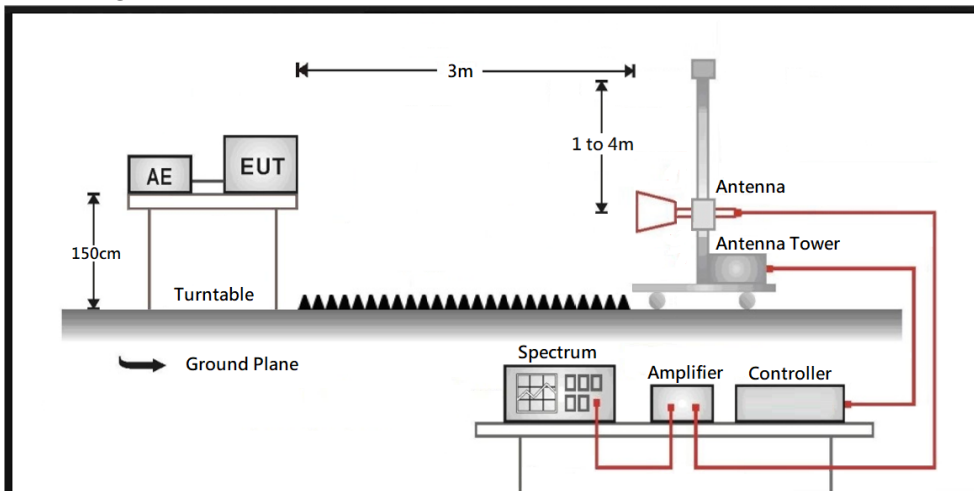
9 kHz ~ 30 MHz



30 MHz ~ 1 GHz



Above 1 GHz



8.2. 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.

8.3. Test Procedure

The EUT was setup according to ANSI C63.10: 2013 and tested according to DTS 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.

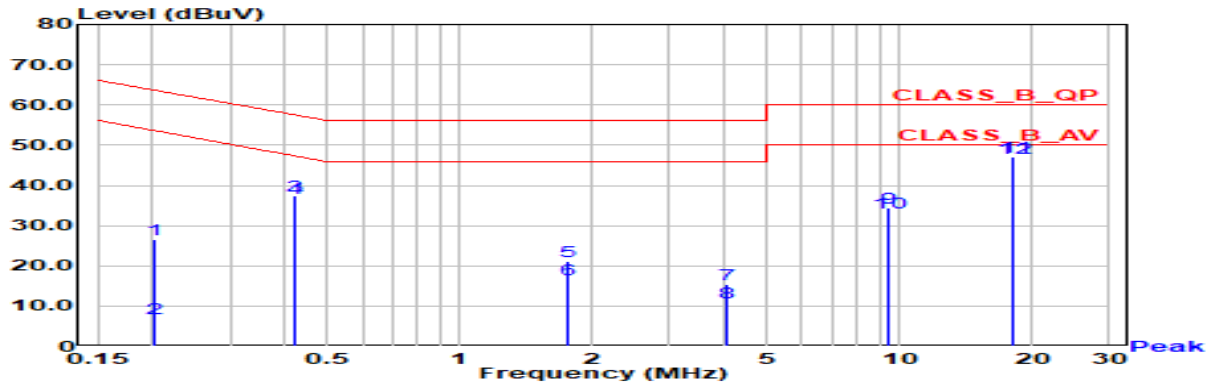
The bandwidth below 1 GHz setting on the field strength meter is 120 kHz and above 1 GHz is 1 MHz.

8.4. Test Result of Transmitter Radiated Spurious Emission

Refer as Appendix F

Appendix A. Test Result of AC Power Line Conducted Emission

Test Mode	Mode 1	Phase	Line
Test Condition	16QAM / 908.5 MHz		

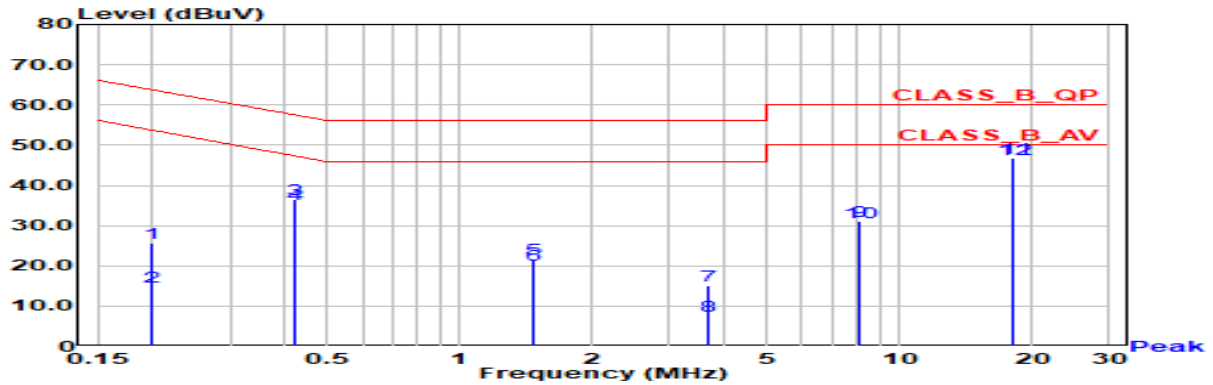


No	Frequency (MHz)	Emission Level (dBUV)	Limit (dBUV)	Margin (dB)	Reading Level (dBUV)	Correct Factor (dB)	Detector Type
1	0.201	26.66	63.56	-36.90	17.04	9.61	QP
2	0.201	7.06	53.56	-46.49	-2.55	9.61	AV
3	0.423	37.37	57.40	-20.03	27.73	9.64	QP
4	0.423	36.84	47.40	-10.56	27.20	9.64	AV
5	1.756	21.20	56.00	-34.80	11.46	9.74	QP
6	1.756	16.65	46.00	-29.35	6.92	9.74	AV
7	4.052	15.28	56.00	-40.72	5.43	9.85	QP
8	4.052	10.85	46.00	-35.15	1.01	9.85	AV
9	9.451	34.43	60.00	-25.57	24.36	10.07	QP
10	9.451	33.34	50.00	-16.66	23.28	10.07	AV
11	18.230	47.17	60.00	-12.83	36.86	10.31	QP
*12	18.230	46.65	50.00	-3.35	36.34	10.31	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	16QAM / 908.5 MHz		

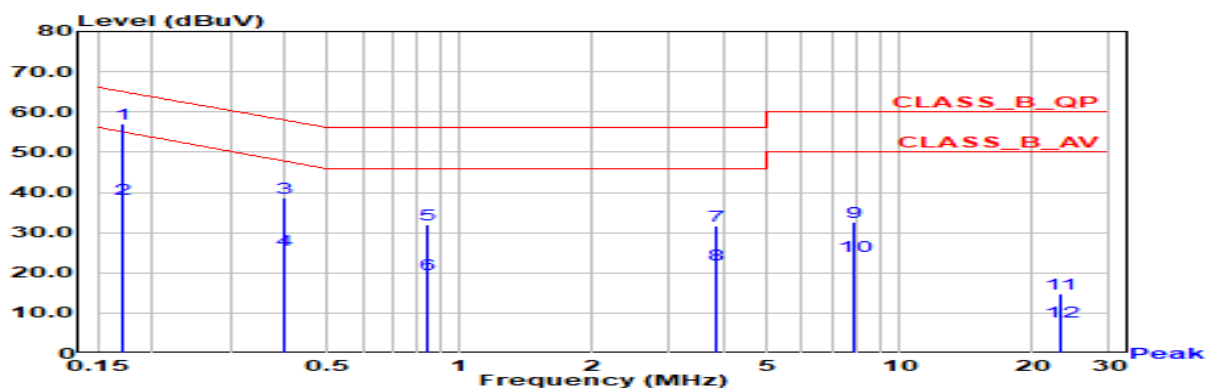


No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	0.199	25.52	63.67	-38.15	15.91	9.61	QP
2	0.199	14.93	53.67	-38.75	5.31	9.61	AV
3	0.422	36.40	57.41	-21.02	26.76	9.63	QP
*4	0.422	35.34	47.41	-12.07	25.71	9.63	AV
5	1.461	21.77	56.00	-34.23	12.05	9.72	QP
6	1.461	20.14	46.00	-25.86	10.42	9.72	AV
7	3.657	14.99	56.00	-41.01	5.15	9.84	QP
8	3.657	7.64	46.00	-38.36	-2.19	9.84	AV
9	8.104	31.11	60.00	-28.89	21.07	10.04	QP
10	8.104	30.71	50.00	-19.29	20.67	10.04	AV
11	18.232	46.80	60.00	-13.20	36.34	10.47	QP
12	18.232	46.35	50.00	-3.65	35.88	10.47	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	16QAM / 908.5 MHz		

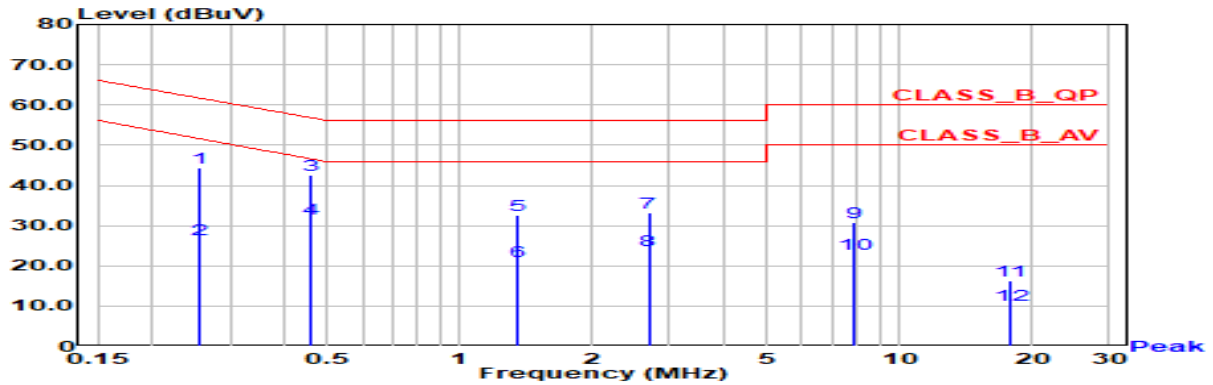


No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
*1	0.177	57.44	64.62	-7.18	47.77	9.67	QP
2	0.177	38.38	54.62	-16.24	28.71	9.67	AV
3	0.411	38.54	46.00	-17.46	28.88	9.66	QP
4	0.411	25.88	56.00	-20.12	16.22	9.66	AV
5	0.855	32.46	46.00	-23.54	22.77	9.69	QP
6	0.855	19.74	56.00	-26.26	10.05	9.69	AV
7	3.805	31.69	46.00	-24.31	21.77	9.92	QP
8	3.805	22.03	56.00	-23.97	12.11	9.92	AV
9	7.888	32.42	46.00	-23.58	22.35	10.07	QP
10	7.888	24.42	60.00	-21.58	14.35	10.07	AV
11	23.288	15.01	50.00	-44.99	4.38	10.63	QP
12	23.288	11.54	46.00	-38.46	0.91	10.63	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	16QAM / 908.5 MHz		



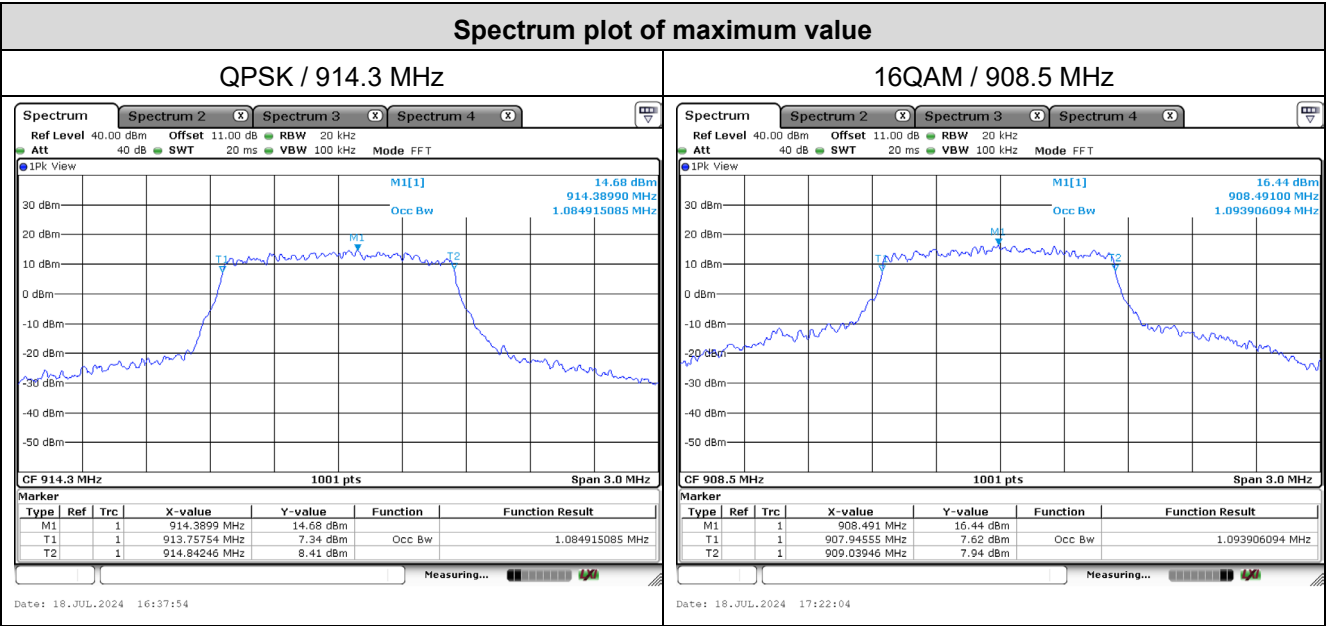
No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
*1	0.259	44.25	64.62	-20.37	34.59	9.66	QP
2	0.259	26.65	54.62	-27.97	16.99	9.66	AV
3	0.455	42.59	56.00	-13.41	32.92	9.67	QP
4	0.455	31.76	46.00	-14.24	22.09	9.67	AV
5	1.33	32.53	56.00	-23.47	22.77	9.76	QP
6	1.33	21.2	46.00	-24.80	11.44	9.76	AV
7	2.688	33.1	56.00	-22.90	23.22	9.88	QP
8	2.688	23.99	46.00	-22.01	14.11	9.88	AV
9	7.933	30.92	56.00	-25.08	20.88	10.04	QP
10	7.933	22.95	46.00	-23.05	12.91	10.04	AV
11	17.777	16.46	60.00	-43.54	6.16	10.3	QP
12	17.777	10.34	50.00	-39.66	0.04	10.3	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.

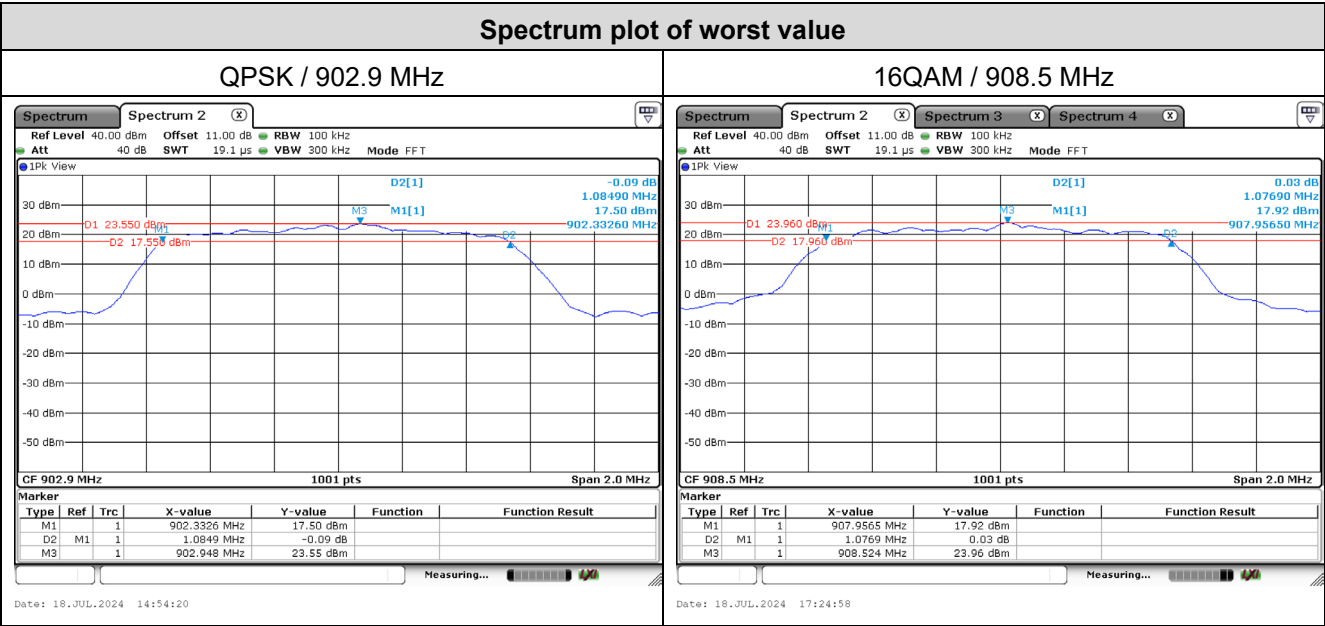
Appendix B.1 Test Result of Occupied Bandwidth

Modulation	Frequency (MHz)	Occupied Bandwidth (MHz)	Limit (MHz)
QPSK	902.9	1.082	-
	908.5	1.082	-
	914.3	1.085	-
16QAM	902.9	1.088	-
	908.5	1.094	-
	914.3	1.088	-



Appendix B.2 Test Result of DTS Bandwidth

Modulation	Frequency (MHz)	DTS Bandwidth (MHz)	Limit (MHz)	Result
QPSK	902.9	1.085	0.50	Pass
	908.5	1.103	0.50	Pass
	914.3	1.091	0.50	Pass
16QAM	902.9	1.092	0.50	Pass
	908.5	1.076	0.50	Pass
	914.3	1.077	0.50	Pass

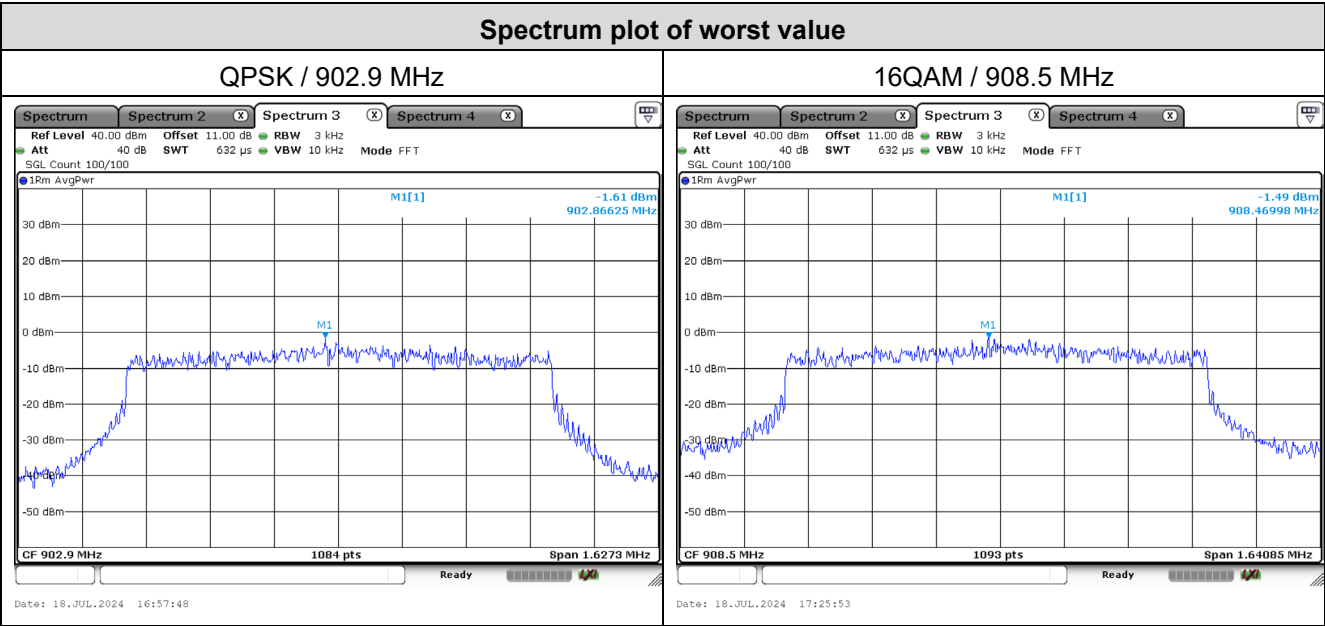


Appendix C. Test Result of Maximum Conducted Output Power

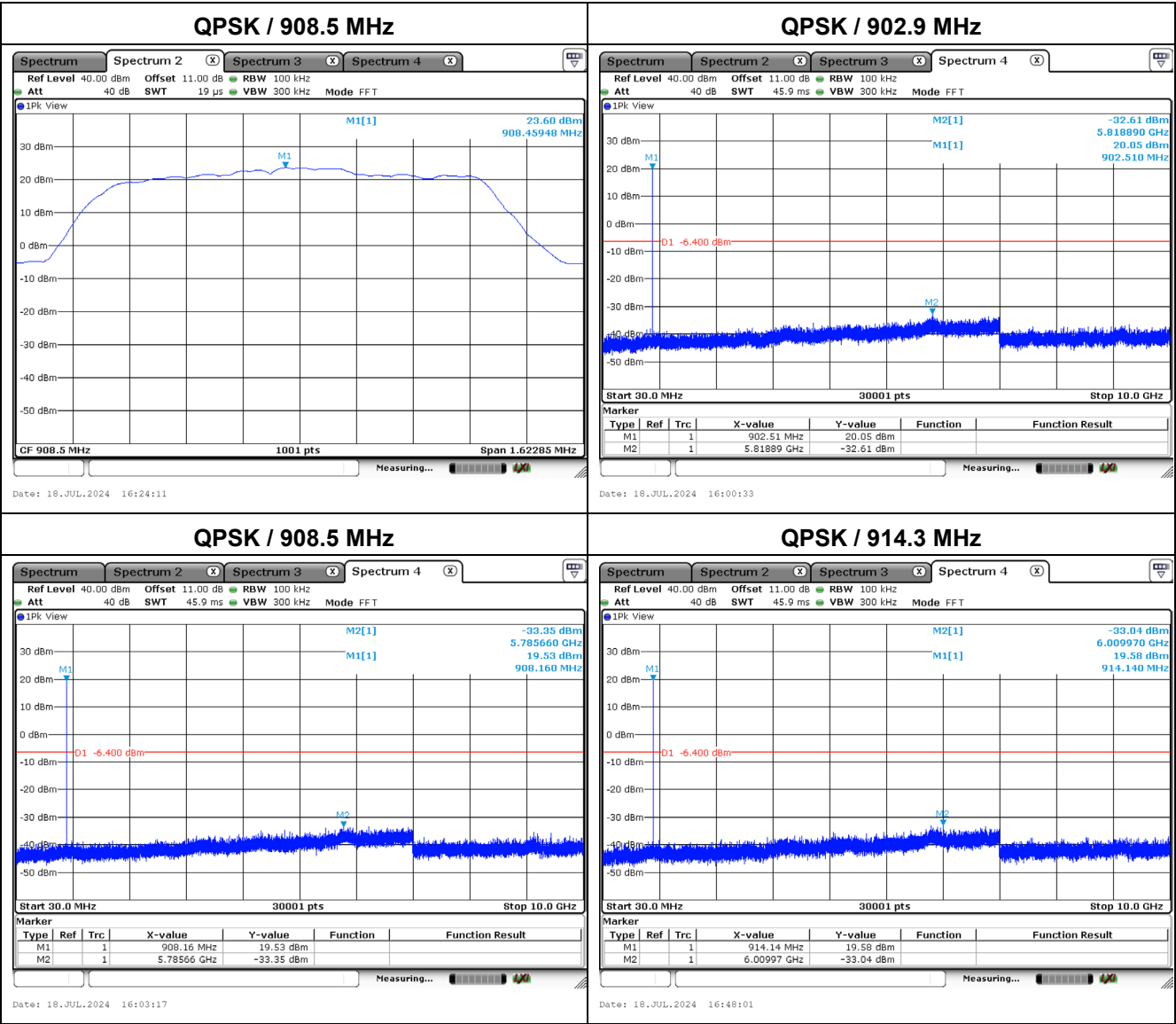
Modulation	Frequency (MHz)	Maximum Conducted Average Output Power (dBm)	Limit (dBm)	Result
QPSK	902.9	22.240	30.00	Pass
	908.5	22.430	30.00	Pass
	914.3	22.170	30.00	Pass
16QAM	902.9	22.260	30.00	Pass
	908.5	22.450	30.00	Pass
	914.3	22.130	30.00	Pass

Appendix D. Test Result of Maximum Power Spectral Density

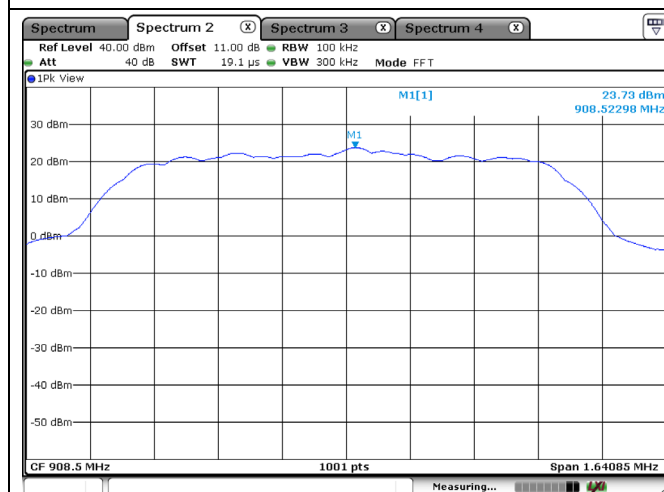
Modulation	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
QPSK	902.9	2.277	8.00	Pass
	908.5	1.997	8.00	Pass
	914.3	0.937	8.00	Pass
16QAM	902.9	0.331	8.00	Pass
	908.5	2.421	8.00	Pass
	914.3	0.621	8.00	Pass



Appendix E. Test Result of Antenna Port Conducted Emission

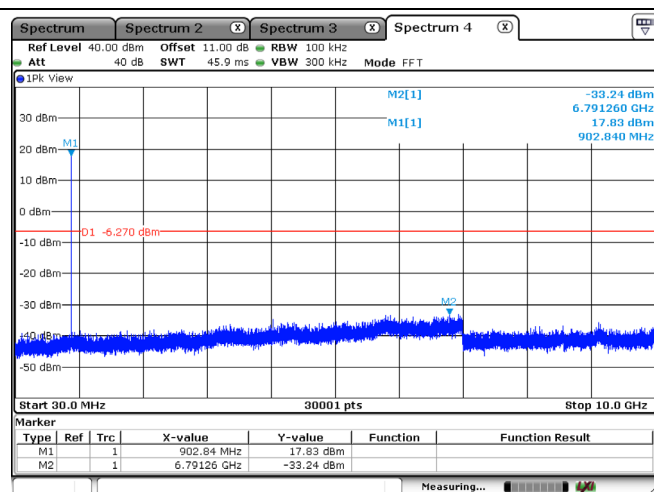


16QAM / 908.5 MHz



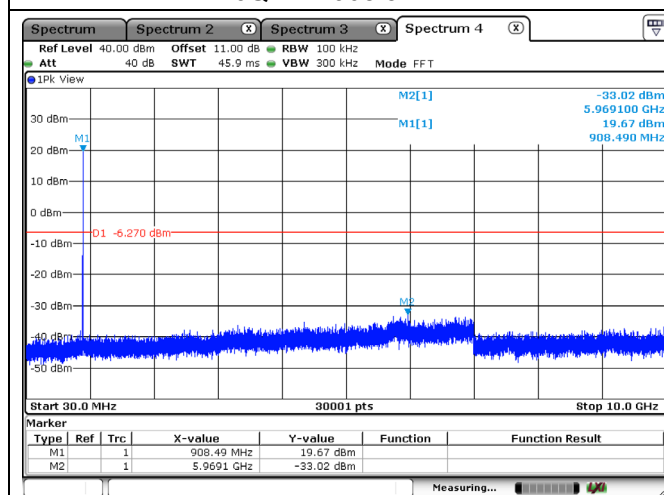
Date: 18.JUL.2024 17:27:58

16QAM / 902.9 MHz



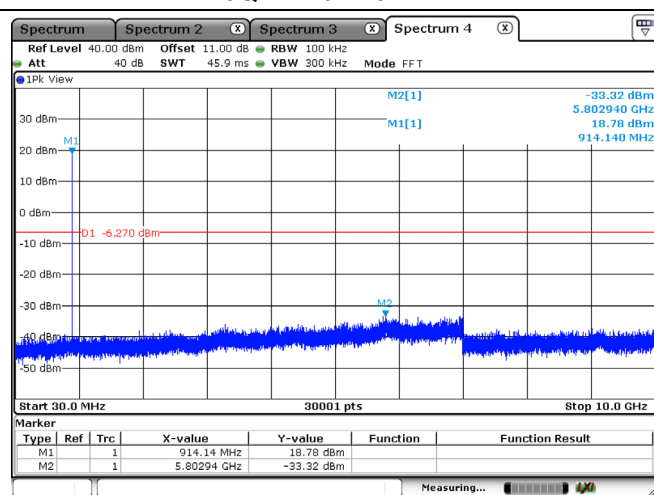
Date: 18.JUL.2024 17:49:27

16QAM / 908.5 MHz

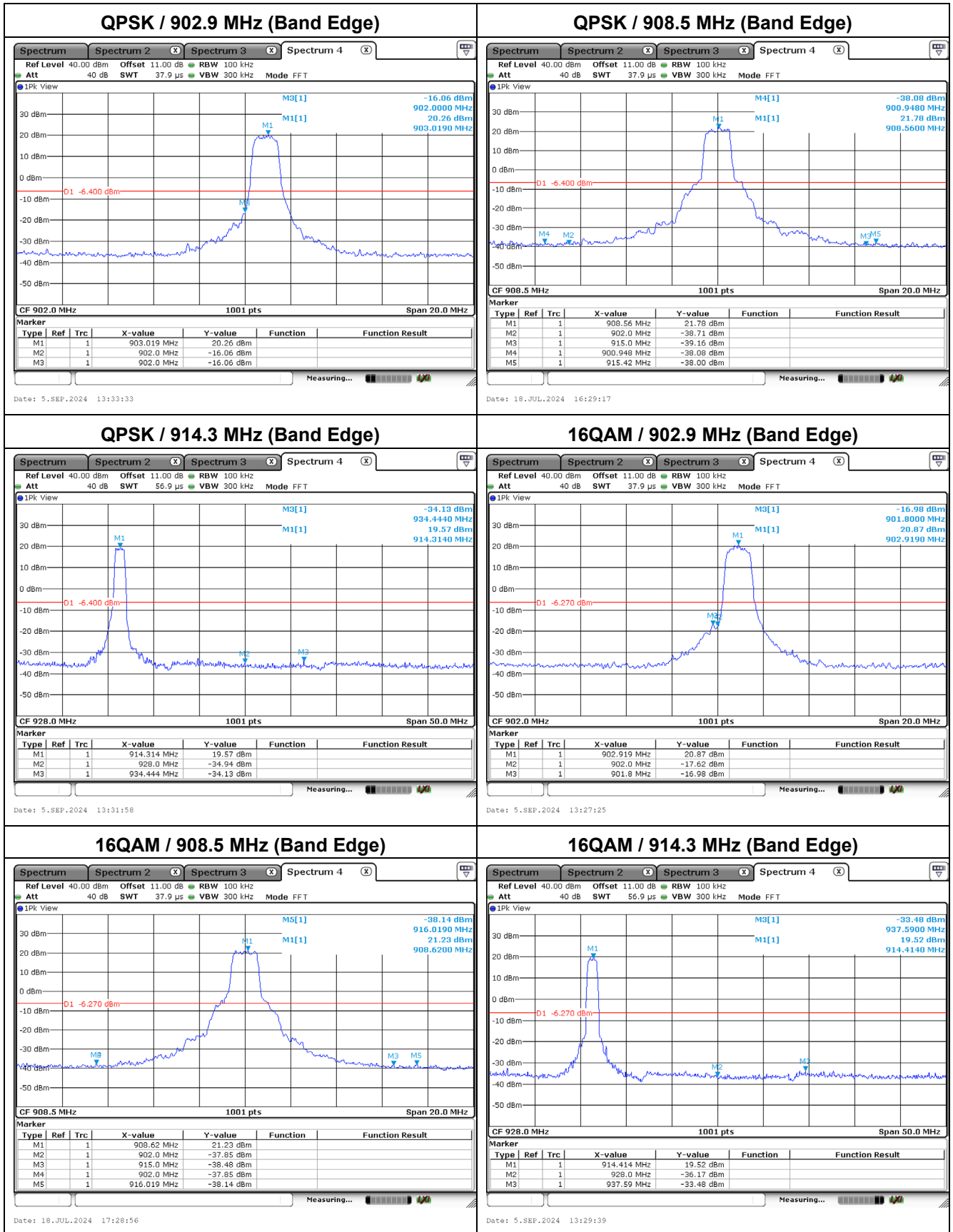


Date: 18.JUL.2024 17:48:05

16QAM / 914.3 MHz



Date: 18.JUL.2024 17:47:06

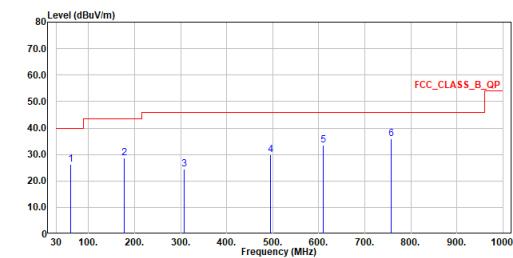


Appendix F. Test Result of Transmitter Radiated Spurious Emission

30 MHz ~ 1 GHz

Test Mode: Mode 1

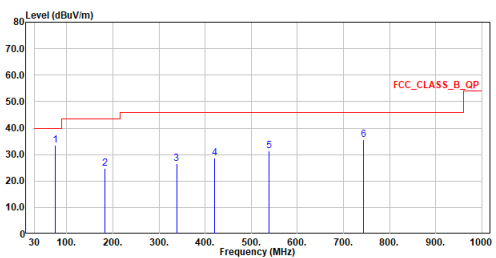
Site :HC-CB02
Condition :3m Horizontal
Mode :LF_SRD_16QAM_TX_908.5MHz
Test by :Scott Chang



No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	60.216	26.30	40.00	-13.70	28.67	-2.37	QP
2	178.022	28.63	43.50	-14.87	32.57	-3.94	QP
3	307.905	24.38	46.00	-21.62	26.19	-1.81	QP
4	495.115	29.74	46.00	-16.26	26.90	2.84	QP
5	610.254	33.61	46.00	-12.39	27.83	5.78	QP
6	756.676	35.96	46.00	-10.04	27.86	8.10	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-CB02
Condition :3m Vertical
Mode :LF_SRD_16QAM_TX_908.5MHz
Test by :Scott Chang

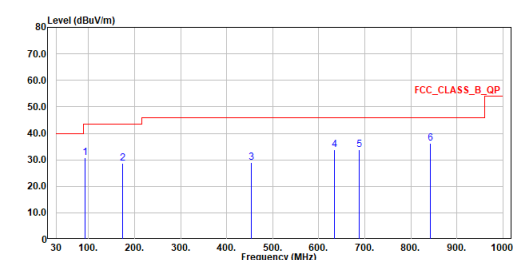


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	74.281	33.62	40.00	-6.38	39.17	-5.55	QP
2	182.387	24.76	43.50	-18.74	29.09	-4.33	QP
3	337.927	26.44	46.00	-19.56	27.46	-1.02	QP
4	420.134	28.78	46.00	-17.22	27.59	1.19	QP
5	537.698	31.50	46.00	-14.50	27.88	3.62	QP
6	742.756	35.51	46.00	-10.49	27.63	7.88	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

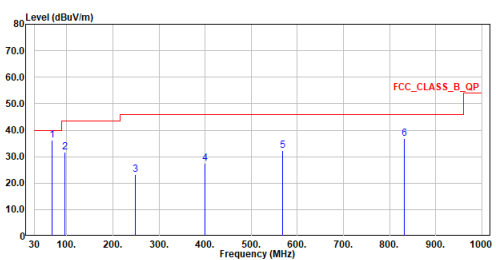
Site :HC-CB02
Condition :3m Horizontal
Mode :LF_SRD_16QAM_TX_908.5MHz
Test by :Gary Liao



No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	92.517	30.66	43.50	-12.84	38.86	-8.20	QP
2	174.336	28.64	43.50	-14.86	32.02	-3.38	QP
3	452.678	28.87	46.00	-17.13	26.68	2.19	QP
4	633.146	33.79	46.00	-12.21	27.93	5.86	QP
5	687.250	33.85	46.00	-12.15	27.22	6.63	QP
6	841.987	36.14	46.00	-9.86	27.06	9.08	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-CB02
Condition :3m Vertical
Mode :LF_SRD_16QAM_TX_908.5MHz
Test by :Gary Liao

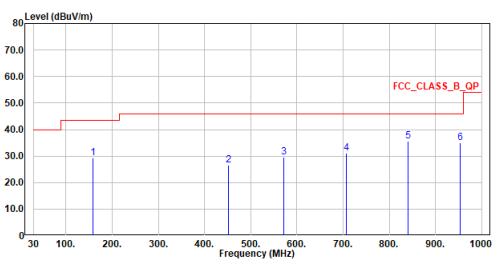


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	67.248	36.23	40.00	-3.77	39.97	-3.74	QP
2	95.524	31.60	43.50	-11.90	39.50	-7.90	QP
3	249.269	23.26	46.00	-22.74	26.99	-3.73	QP
4	400.249	27.37	46.00	-18.63	26.76	0.61	QP
5	567.962	32.44	46.00	-13.56	28.06	4.38	QP
6	832.724	36.79	46.00	-9.21	27.92	8.87	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

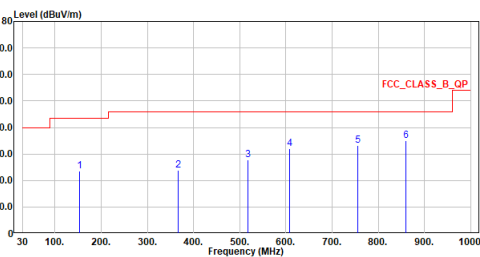
Site :HC-CB02
 Condition :3m Horizontal
 Mode :LF_SRD_16QAM_TX_908.5MHz
 Test by :Scott Chang



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-CB02
 Condition :3m Vertical
 Mode :LF_SRD_16QAM_TX_908.5MHz
 Test by :Scott Chang

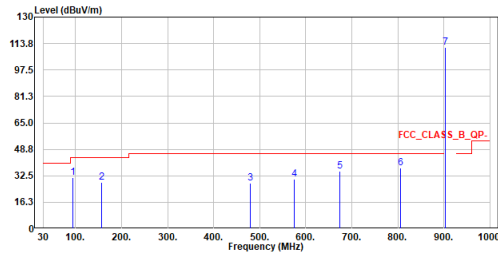


Note:

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 :SRD_OFDM_TX_902.9MHz
Test by :Gary Liao

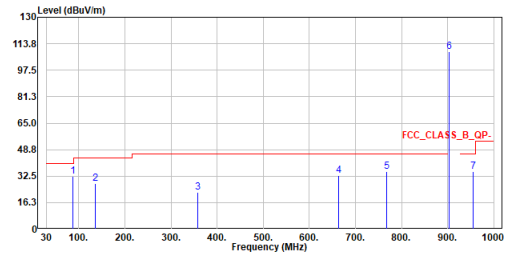


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	93.729	31.44	43.50	-12.06	39.52	-8.08	QP
2	157.264	28.39	43.50	-15.11	31.05	-2.66	QP
3	480.032	27.80	46.00	-18.20	25.21	2.59	QP
4	574.170	30.24	46.00	-15.76	25.68	4.56	QP
5	673.595	35.51	46.00	-10.49	29.10	6.41	QP
6	806.388	37.37	46.00	-8.63	28.80	8.57	QP
7	903.000	111.36	-----	-----	101.62	9.74	Peak

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 :SRD_OFDM_TX_902.9MHz
Test by :Gary Liao

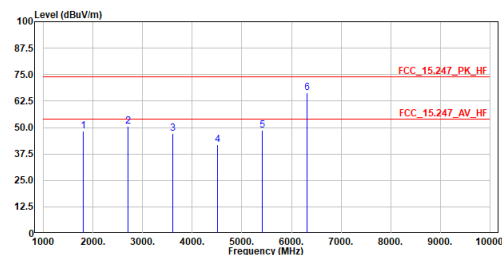


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	87.279	32.34	40.00	-7.66	40.67	-8.33	QP
2	135.148	28.10	43.50	-15.40	32.00	-3.90	QP
3	358.539	22.62	46.00	-23.38	23.46	-0.84	QP
4	663.604	32.84	46.00	-13.16	26.39	6.45	QP
5	768.025	35.19	46.00	-10.81	26.88	8.31	QP
6	902.911	109.15	-----	-----	99.42	9.73	Peak
7	955.235	35.12	46.00	-10.88	24.34	10.78	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-CB02
Condition :3m Horizontal
Mode :SRD_QPSK_TX_902.9MHz
Test by :Scott Chang

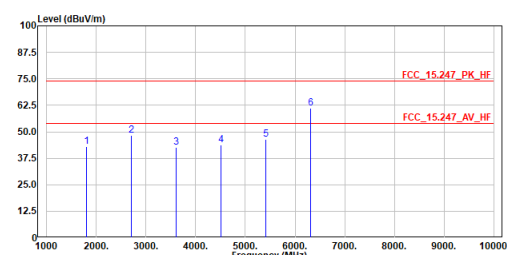


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	1805.800	48.33	74.00	-25.67	74.06	-25.73	Peak
2	2708.700	50.64	74.00	-23.36	73.13	-22.49	Peak
3	3611.600	47.35	74.00	-26.65	66.81	-19.46	Peak
4	4514.500	41.70	74.00	-32.30	57.60	-15.90	Peak
5	5417.400	48.73	74.00	-25.27	62.62	-13.89	Peak
6	6320.300	66.36	74.00	-7.64	76.74	-10.38	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-CB02
Condition :3m Vertical
Mode :SRD_QPSK_TX_902.9MHz
Test by :Scott Chang

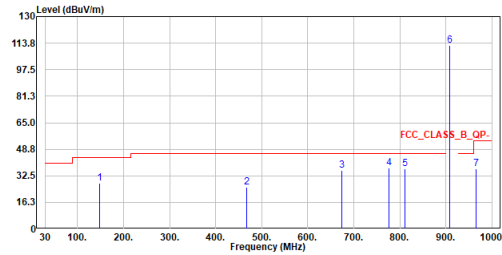


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	1805.800	43.05	74.00	-30.95	68.78	-25.73	Peak
2	2708.700	48.12	74.00	-25.88	70.61	-22.49	Peak
3	3611.600	42.54	74.00	-31.46	62.00	-19.46	Peak
4	4514.500	43.76	74.00	-30.24	59.66	-15.90	Peak
5	5417.400	46.53	74.00	-27.47	60.42	-13.89	Peak
6	6320.300	61.19	74.00	-12.81	71.57	-10.38	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 :SRD_OFDM_TX_908.5MHz
Test by :Gary Liao

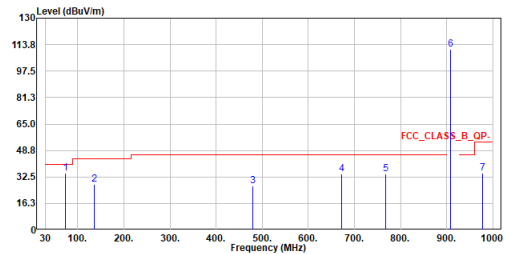


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	147.031	27.84	43.50	-15.66	30.46	-2.62	QP
2	467.858	25.57	46.00	-20.43	23.12	2.45	QP
3	674.517	35.89	46.00	-10.11	29.50	6.39	QP
4	775.591	37.26	46.00	-8.74	28.91	8.35	QP
5	811.093	36.98	46.00	-9.02	28.30	8.68	QP
6	908.626	112.17	-----	-----	102.34	9.83	Peak
7	965.953	36.90	54.00	-17.10	26.20	10.70	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 :SRD_OFDM_TX_908.5MHz
Test by :Gary Liao

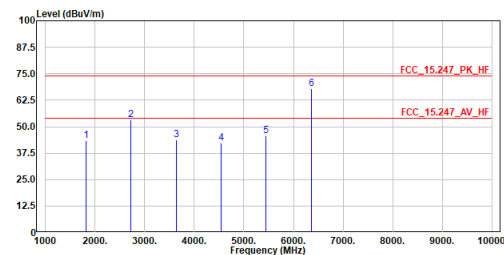


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	73.456	34.65	40.00	-5.35	40.01	-5.36	QP
2	135.148	27.87	43.50	-15.63	31.77	-3.90	QP
3	480.032	26.86	46.00	-19.14	24.27	2.59	QP
4	672.043	34.17	46.00	-11.83	27.73	6.44	QP
5	768.025	34.27	46.00	-11.73	25.96	8.31	QP
6	908.432	110.78	-----	-----	100.95	9.83	Peak
7	978.466	34.59	54.00	-19.41	23.93	10.66	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-CB02
Condition :3m Horizontal
Mode :SRD_QPSK_TX_908.5MHz
Test by :Scott Chang

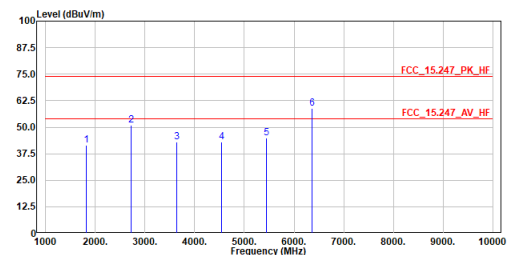


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	1817.000	43.48	74.00	-30.52	69.17	-25.69	Peak
2	2725.500	53.25	74.00	-20.75	75.67	-22.42	Peak
3	3634.000	43.61	74.00	-30.39	62.97	-19.36	Peak
4	4542.500	42.33	74.00	-31.67	58.12	-15.79	Peak
5	5451.450	45.55	74.00	-28.45	59.43	-13.88	Peak
6	6359.250	68.10	74.00	-5.90	78.25	-10.15	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-CB02
Condition :3m Vertical
Mode :SRD_QPSK_TX_908.5MHz
Test by :Scott Chang

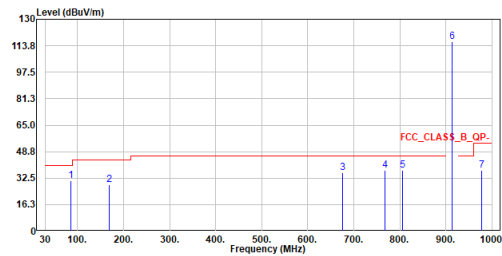


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	1817.000	41.52	74.00	-32.48	67.21	-25.69	Peak
2	2725.500	50.90	74.00	-23.10	73.32	-22.42	Peak
3	3634.000	43.05	74.00	-30.95	62.41	-19.36	Peak
4	4542.500	43.20	74.00	-30.80	58.99	-15.79	Peak
5	5450.600	44.76	74.00	-29.24	58.64	-13.88	Peak
6	6360.100	58.92	74.00	-15.08	69.07	-10.15	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
Mode :SRD_OFDM_TX_914.3MHz
Test by :Gary Liao

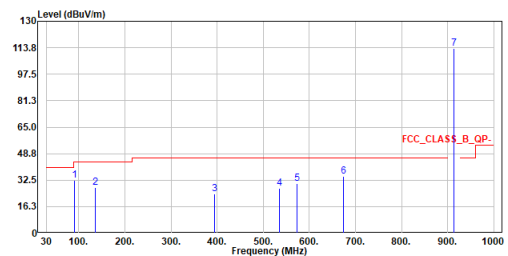


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	85.533	30.87	40.00	-9.13	38.96	-8.09	QP
2	168.274	28.22	43.50	-15.28	31.19	-2.97	QP
3	675.972	35.66	46.00	-10.34	29.24	6.42	QP
4	768.025	37.20	46.00	-8.80	28.89	8.31	QP
5	806.437	37.37	46.00	-8.63	28.80	8.57	QP
6	914.204	116.22	-----	-----	106.29	9.93	Peak
7	977.642	37.51	54.00	-16.49	26.85	10.66	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 :SRD_OFDM_TX_914.3MHz
Test by :Gary Liao

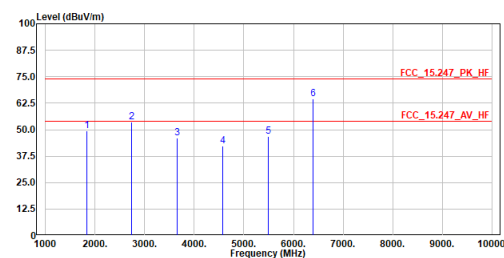


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	90.528	32.62	43.50	-10.88	40.92	-8.30	QP
2	135.148	28.15	43.50	-15.35	32.05	-3.90	QP
3	395.108	24.19	46.00	-21.81	23.60	0.59	QP
4	534.788	27.35	46.00	-18.65	23.79	3.56	QP
5	572.618	30.31	46.00	-15.69	25.78	4.53	QP
6	674.420	34.64	46.00	-11.36	28.25	6.39	QP
7	914.252	113.45	-----	-----	103.51	9.94	Peak

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-CB02
Condition :3m Horizontal
Mode :SRD_QPSK_TX_914.3MHz
Test by :Scott Chang

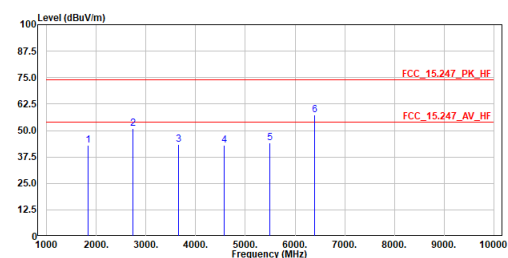


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	1828.600	49.31	74.00	-24.69	74.95	-25.64	Peak
2	2742.900	53.77	74.00	-20.23	76.14	-22.37	Peak
3	3657.200	45.88	74.00	-28.12	65.13	-19.25	Peak
4	4571.500	42.22	74.00	-31.78	57.89	-15.67	Peak
5	5485.450	46.66	74.00	-27.34	60.53	-13.87	Peak
6	6400.050	64.69	74.00	-9.31	74.60	-9.91	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-CB02
Condition :3m Vertical
Mode :SRD_QPSK_TX_914.3MHz
Test by :Scott Chang

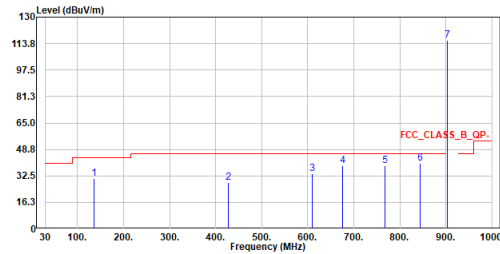


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	1828.600	43.15	74.00	-30.85	68.79	-25.64	Peak
2	2742.900	50.91	74.00	-23.09	73.28	-22.37	Peak
3	3657.200	43.39	74.00	-30.61	62.64	-19.25	Peak
4	4571.500	43.05	74.00	-30.95	58.72	-15.67	Peak
5	5485.450	44.31	74.00	-29.69	58.18	-13.87	Peak
6	6400.050	57.31	74.00	-16.69	67.22	-9.91	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-CB02
Condition :3m Horizontal
Mode :SRD_16QAM_TX_902.9MHz
Test by :Gary Liao

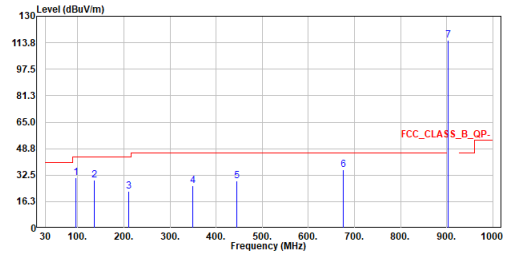


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB	
1	135.148	30.85	43.50	-12.65	34.75	-3.90	QP
2	428.040	28.54	46.00	-17.46	27.08	1.46	QP
3	610.254	33.61	46.00	-12.39	27.83	5.78	QP
4	675.147	38.52	46.00	-7.48	32.12	6.40	QP
5	768.025	38.78	46.00	-7.22	30.47	8.31	QP
6	844.849	40.15	46.00	-5.85	31.00	9.15	QP
7	902.864	115.54	-----	-----	105.82	9.72	Peak

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-CB02
Condition :3m Vertical
Mode :SRD_16QAM_TX_902.9MHz
Test by :Gary Liao

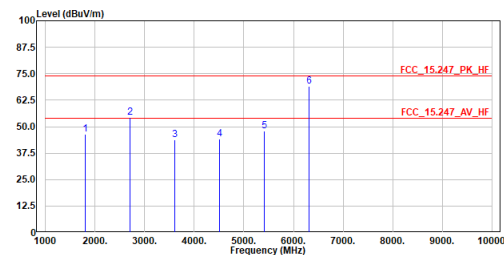


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB	
1	96.300	30.76	43.50	-12.74	38.47	-7.71	QP
2	135.148	29.26	43.50	-14.24	33.16	-3.90	QP
3	209.790	22.67	43.50	-20.83	28.65	-5.98	QP
4	348.451	25.88	46.00	-20.12	26.79	-0.91	QP
5	444.093	28.96	46.00	-17.04	26.94	2.02	QP
6	675.390	35.58	46.00	-10.42	29.17	6.41	QP
7	903.049	115.18	-----	-----	105.44	9.74	Peak

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-CB02
Condition :3m Horizontal
Mode :SRD_16QAM_TX_902.9MHz
Test by :Scott Chang

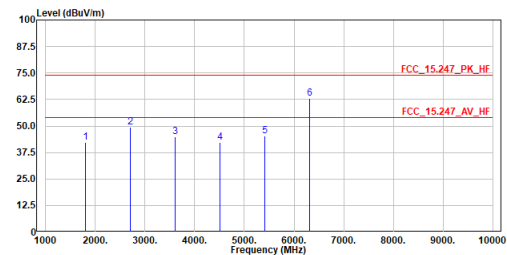


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB	
1	1805.800	46.31	74.00	-27.69	72.04	-25.73	Peak
2	2708.700	54.31	74.00	-19.69	76.80	-22.49	Peak
3	3611.600	43.91	74.00	-30.09	63.37	-19.46	Peak
4	4514.500	44.01	74.00	-29.99	59.91	-15.90	Peak
5	5417.400	47.91	74.00	-26.09	61.80	-13.89	Peak
6	6320.300	69.11	74.00	-4.89	79.49	-10.38	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-CB02
Condition :3m Vertical
Mode :SRD_16QAM_TX_902.9MHz
Test by :Scott Chang

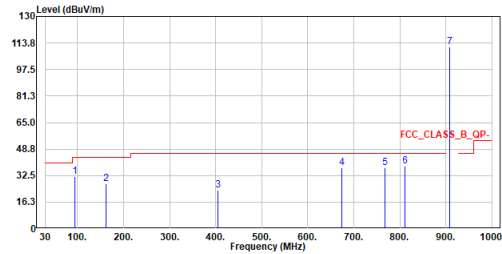


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB	
1	1805.800	42.13	74.00	-31.87	67.86	-25.73	Peak
2	2708.700	49.31	74.00	-24.69	71.80	-22.49	Peak
3	3611.600	44.91	74.00	-29.09	64.37	-19.46	Peak
4	4514.500	42.11	74.00	-31.89	58.01	-15.90	Peak
5	5417.400	45.13	74.00	-28.87	59.02	-13.89	Peak
6	6320.300	63.03	74.00	-10.97	73.41	-10.38	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 :SRD_16QAM_TX_908.5MHz
Test by :Gary Liao

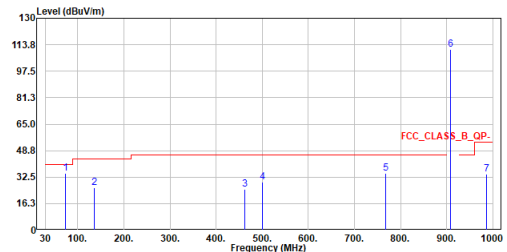


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	94.505	31.90	43.50	-11.60	40.01	-8.11	QP
2	162.114	27.45	43.50	-16.05	30.22	-2.77	QP
3	404.178	23.66	46.00	-22.34	23.03	0.63	QP
4	674.420	37.08	46.00	-8.92	30.69	6.39	QP
5	768.025	37.25	46.00	-8.75	28.94	8.31	QP
6	810.705	38.33	46.00	-7.67	29.67	8.66	QP
7	908.529	111.43	-----	-----	101.60	9.83	Peak

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 :SRD_16QAM_TX_908.5MHz
Test by :Gary Liao

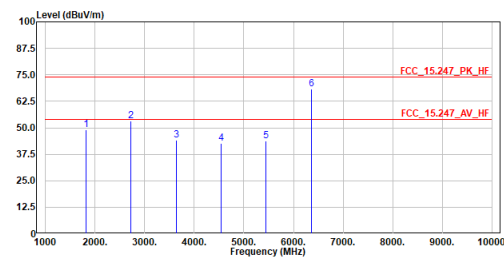


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	72.923	34.66	40.00	-5.34	39.85	-5.19	QP
2	135.148	26.22	43.50	-17.28	30.12	-3.90	QP
3	462.572	25.10	46.00	-20.90	22.72	2.38	QP
4	500.014	29.60	46.00	-16.40	26.64	2.96	QP
5	767.976	34.86	46.00	-11.14	26.55	8.31	QP
6	908.190	111.01	-----	-----	101.18	9.83	Peak
7	987.051	34.56	54.00	-19.44	23.81	10.75	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-CB02
Condition :3m Horizontal
Mode :SRD_16QAM_TX_908.5MHz
Test by :Scott Chang

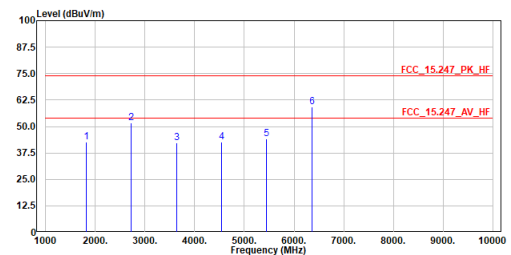


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	1817.000	49.04	74.00	-24.96	74.73	-25.69	Peak
2	2725.500	53.25	74.00	-20.75	75.67	-22.42	Peak
3	3634.000	44.18	74.00	-29.82	63.54	-19.36	Peak
4	4542.500	42.56	74.00	-31.44	58.35	-15.79	Peak
5	5451.450	43.75	74.00	-30.25	57.63	-13.88	Peak
6	6359.250	68.39	74.00	-5.61	78.54	-10.15	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-CB02
Condition :3m Vertical
Mode :SRD_16QAM_TX_908.5MHz
Test by :Scott Chang

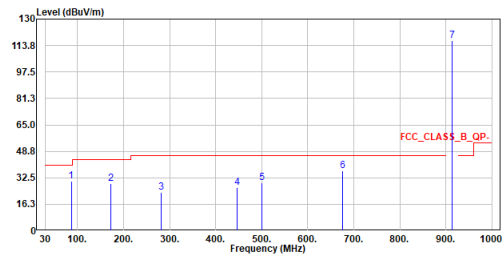


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	1817.000	42.66	74.00	-31.34	68.35	-25.69	Peak
2	2725.500	51.88	74.00	-22.12	74.30	-22.42	Peak
3	3634.000	42.33	74.00	-31.67	61.69	-19.36	Peak
4	4542.500	42.59	74.00	-31.41	58.38	-15.79	Peak
5	5450.600	44.13	74.00	-29.87	58.01	-13.88	Peak
6	6359.250	59.31	74.00	-14.69	69.46	-10.15	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.

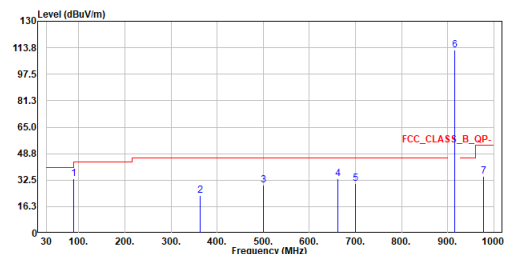
Site :HC-CB04
Condition :3m Horizontal
Mode :SRD_16QAM_TX_914.3MHz
Test by :Gary Liao



No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	86.163	30.39	40.00	-9.61	38.70	-8.31	QP
2	171.911	28.99	43.50	-14.51	32.04	-3.05	QP
3	281.618	23.65	46.00	-22.35	26.11	-2.46	QP
4	445.985	26.57	46.00	-19.43	24.47	2.10	QP
5	500.014	29.66	46.00	-16.34	26.70	2.96	QP
6	675.147	37.01	46.00	-8.99	30.61	6.40	QP
7	914.252	116.99	-----	-----	107.05	9.94	Peak

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.

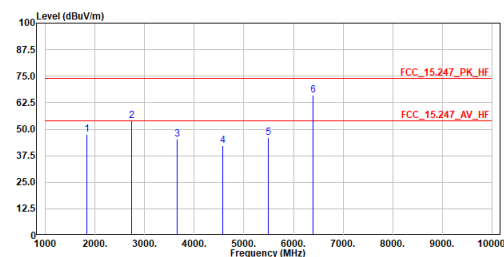
Site :HC-CB04
Condition :3m Vertical
Mode :SRD_16QAM_TX_914.3MHz
Test by :Gary Liao



No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	88.394	33.30	43.50	-10.20	41.62	-8.32	QP
2	362.613	23.03	46.00	-22.97	23.75	-0.72	QP
3	500.014	29.30	46.00	-16.70	26.34	2.96	QP
4	661.907	33.25	46.00	-12.75	26.80	6.45	QP
5	700.367	30.29	46.00	-15.71	23.32	6.97	QP
6	914.446	112.14	-----	-----	102.20	9.94	Peak
7	977.351	34.92	54.00	-19.08	24.26	10.66	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.

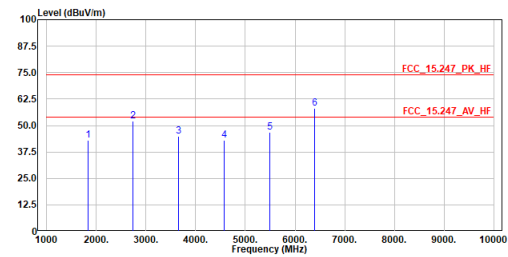
Site :HC-CB02
Condition :3m Horizontal
Mode :SRD_16QAM_TX_914.3MHz
Test by :Scott Chang



No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	1828.600	47.44	74.00	-26.56	73.08	-25.64	Peak
2	2742.900	54.15	74.00	-19.85	76.52	-22.37	Peak
3	3657.200	45.35	74.00	-28.65	64.60	-19.25	Peak
4	4571.500	42.23	74.00	-31.77	57.90	-15.67	Peak
5	5485.450	46.11	74.00	-27.89	59.98	-13.87	Peak
6	6400.050	65.91	74.00	-8.09	75.82	-9.91	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-CB02
Condition :3m Vertical
Mode :SRD_16QAM_TX_914.3MHz
Test by :Scott Chang



No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	1828.600	42.91	74.00	-31.09	68.55	-25.64	Peak
2	2742.900	52.15	74.00	-21.85	74.52	-22.37	Peak
3	3657.200	45.01	74.00	-28.99	64.26	-19.25	Peak
4	4571.500	43.01	74.00	-30.99	58.68	-15.67	Peak
5	5486.300	46.89	74.00	-27.11	60.76	-13.87	Peak
6	6399.200	57.99	74.00	-16.01	67.90	-9.91	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.