



FCC RADIO TEST REPORT

FCC ID : AZ499FT5879
Equipment : 900MHz Digital Callbox
Brand Name : Motorola
Model Name : CB900D
Model Number : CBS101NBKLBA,BSS101NBKLBA
Applicant : Motorola Solutions, Inc.
Plot 2A, Medan Bayan Lepas, Mukim 12, S.W.D,
11900 Bayan Lepas, Penang, Malaysia
Manufacturer : Motorola Solutions Malaysia Sdn. Bhd.
Plot 2A, Medan Bayan Lepas, Mukim 12, S.W.D,
11900 Bayan Lepas, Penang, Malaysia
Standard : FCC Part 15 Subpart C §15.247

The product was received on Jul 23, 2025 and testing was started from Jul. 29, 2025 to Aug. 20, 2025. We, Sporton International Inc. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this partial report apply exclusively to the tested model / sample. Without written approval from Sporton International Inc. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)



Table of Contents

History of this test report.....	3
Summary of Test Result.....	4
1 General Description.....	5
1.1 Product Feature of Equipment Under Test.....	5
1.2 Product Specification of Equipment Under Test.....	5
1.3 Modification of EUT	5
1.4 Testing Location	6
1.5 Applicable Standards.....	6
2 Test Configuration of Equipment Under Test.....	7
2.1 Carrier Frequency Channel	7
2.2 Test Mode.....	17
2.3 Connection Diagram of Test System.....	18
2.4 Support Unit used in test configuration and system	19
2.5 EUT Operation Test Setup	19
2.6 Measurement Results Explanation Example.....	19
3 Test Result.....	20
3.1 Output Power Measurement.....	20
3.2 Radiated Band Edges and Spurious Emission Measurement	22
3.3 AC Power Line Conducted Emissions Measurement.....	26
3.4 Antenna Requirements.....	28
4 List of Measuring Equipment	29
5 Measurement Uncertainty	31
Appendix A. AC Conducted Emission Test Result	
Appendix B. Radiated Spurious Emission	
Appendix C. Radiated Spurious Emission Plots	
Appendix D. Duty Cycle Plots	
Appendix E. Setup Photographs	



History of this test report

Report No.	Version	Description	Issue Date
FR572303	01	Initial issue of report	Nov. 17, 2025
FR572303	02	Update Manufacturer Name.	Nov. 18, 2025
FR572303	03	Update applicable standards.	Dec. 15, 2025

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.247(b)(1)	Output Power	Pass	29.20 dBm
3.2	15.247(d)	Radiated Band Edges and Radiated Spurious Emission	Pass	9.32 dB under the limit at 47.82 MHz
3.3	15.207	AC Conducted Emission	Pass	17.14 dB under the limit at 0.159 MHz
3.4	15.203 & 15.247(b)	Antenna Requirement	Pass	-
Remark: 1. This is a partial report and the test plans were by manufacturer definition.				

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty".

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Wei Chen

Report Producer: Dara Chiu

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	900MHz Digital Callbox
Brand Name	Motorola
Model Name	CB900D
FCC Model Number	CBS101NBKLBA BSS101NBKLBA
FCC ID	AZ499FT5879
SW version	C0.02.00
EUT supports Radios application	900MHz ISM Tx Frequency: 902~928 MHz Rx Frequency: 902~928 MHz Antenna Type: PIFA Type of Modulation: FHSS

Remark: The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.

EUT Information List	
S/N	Performed Test Item
1 Way Call Box: 08722BN0072 2 Way Call Box: 08722BN0072 Base Station: 08722BN0079	Radiated Emission
1 Way Call Box:08722BN0095 2 Way Call Box:08722BN0119 Base Station:08722BN0076	Conducted Emission
08722BL0025	Output Power Measurement

1.2 Product Specification of Equipment Under Test

Product Specification is subject to this standard	
Tx/Rx Frequency Range	902.75 MHz ~ 927.25 MHz
Number of Channels	500
Maximum Output Power to Antenna	29.20 dBm (0.83176 W)
Antenna Type / Gain	PIFA Antenna with gain 2.94 dBi
Type of Modulation	FHSS

Remark: The above EUT's information was declared by manufacturer. Please refer to Disclaimer in report summary.

1.3 Modification of EUT

No modifications are made to the EUT during all test items.

1.4 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	Sporton Site No. CO05-HY, 03CH07-HY

Note: The test site complies with ANSI C63.4 2014 requirement.

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	Sporton Site No. TH05-HY (TAF Code: 3786)
Remark	The Conducted test item subcontracted to Sporton International Inc. Wensan Laboratory.

FCC designation No.: TW1190 and TW3786

1.5 Applicable Standards

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

- ♦ FCC Part 15 Subpart C §15.247
- ♦ FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v05r01
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01
- ♦ ANSI C63.10-2020

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. The TAF code is not including all the FCC KDB listed without accreditation.
3. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

2.1 Carrier Frequency Channel

<Hopset1>

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
902.525-927.025 MHz	1	902.525	28	916.025
	2	903.025	29	916.525
	3	903.525	30	917.025
	4	904.025	31	917.525
	5	904.525	32	918.025
	6	905.025	33	918.525
	7	905.525	34	919.025
	8	906.025	35	919.525
	9	906.525	36	920.025
	10	907.025	37	920.525
	11	907.525	38	921.025
	12	908.025	39	921.525
	13	908.525	40	922.025
	14	909.025	41	922.525
	15	909.525	42	923.025
	16	910.025	43	923.525
	17	910.525	44	924.025
	18	911.025	45	924.525
	19	911.525	46	925.025
	20	912.025	47	925.525
	21	912.525	48	926.025
	22	913.025	49	926.525
	23	913.525	50	927.025
	24	914.025		
	25	914.525		
	26	915.025		
	27	915.525		



<Hopset2>

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
902.575-927.075 MHz	1	902.575	28	916.075
	2	903.075	29	916.575
	3	903.575	30	917.075
	4	904.075	31	917.575
	5	904.575	32	918.075
	6	905.075	33	918.575
	7	905.575	34	919.075
	8	906.075	35	919.575
	9	906.575	36	920.075
	10	907.075	37	920.575
	11	907.575	38	921.075
	12	908.075	39	921.575
	13	908.575	40	922.075
	14	909.075	41	922.575
	15	909.575	42	923.075
	16	910.075	43	923.575
	17	910.575	44	924.075
	18	911.075	45	924.575
	19	911.575	46	925.075
	20	912.075	47	925.575
	21	912.575	48	926.075
	22	913.075	49	926.575
	23	913.575	50	927.075
	24	914.075		
	25	914.575		
	26	915.075		
	27	915.575		



<Hopset3>

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
902.625-927.125 MHz	1	902.625	28	916.125
	2	903.125	29	916.625
	3	903.625	30	917.125
	4	904.125	31	917.625
	5	904.625	32	918.125
	6	905.125	33	918.625
	7	905.625	34	919.125
	8	906.125	35	919.625
	9	906.625	36	920.125
	10	907.125	37	920.625
	11	907.625	38	921.125
	12	908.125	39	921.625
	13	908.625	40	922.125
	14	909.125	41	922.625
	15	909.625	42	923.125
	16	910.125	43	923.625
	17	910.625	44	924.125
	18	911.125	45	924.625
	19	911.625	46	925.125
	20	912.125	47	925.625
	21	912.625	48	926.125
	22	913.125	49	926.625
	23	913.625	50	927.125
	24	914.125		
	25	914.625		
	26	915.125		
	27	915.625		



<Hopset4>

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
902.675-927.175 MHz	1	902.675	28	916.175
	2	903.175	29	916.675
	3	903.675	30	917.175
	4	904.175	31	917.675
	5	904.675	32	918.175
	6	905.175	33	918.675
	7	905.675	34	919.175
	8	906.175	35	919.675
	9	906.675	36	920.175
	10	907.175	37	920.675
	11	907.675	38	921.175
	12	908.175	39	921.675
	13	908.675	40	922.175
	14	909.175	41	922.675
	15	909.675	42	923.175
	16	910.175	43	923.675
	17	910.675	44	924.175
	18	911.175	45	924.675
	19	911.675	46	925.175
	20	912.175	47	925.675
	21	912.675	48	926.175
	22	913.175	49	926.675
	23	913.675	50	927.175
	24	914.175		
	25	914.675		
	26	915.175		
	27	915.675		



<Hopset5>

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
902.725-927.225 MHz	1	902.725	28	916.225
	2	903.225	29	916.725
	3	903.725	30	917.225
	4	904.225	31	917.725
	5	904.725	32	918.225
	6	905.225	33	918.725
	7	905.725	34	919.225
	8	906.225	35	919.725
	9	906.725	36	920.225
	10	907.225	37	920.725
	11	907.725	38	921.225
	12	908.225	39	921.725
	13	908.725	40	922.225
	14	909.225	41	922.725
	15	909.725	42	923.225
	16	910.225	43	923.725
	17	910.725	44	924.225
	18	911.225	45	924.725
	19	911.725	46	925.225
	20	912.225	47	925.725
	21	912.725	48	926.225
	22	913.225	49	926.725
	23	913.725	50	927.225
	24	914.225		
	25	914.725		
	26	915.225		
	27	915.725		



<Hopset6>

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
902.775-927.275 MHz	1	902.775	28	916.275
	2	903.275	29	916.775
	3	903.775	30	917.275
	4	904.275	31	917.775
	5	904.775	32	918.275
	6	905.275	33	918.775
	7	905.775	34	919.275
	8	906.275	35	919.775
	9	906.775	36	920.275
	10	907.275	37	920.775
	11	907.775	38	921.275
	12	908.275	39	921.775
	13	908.775	40	922.275
	14	909.275	41	922.775
	15	909.775	42	923.275
	16	910.275	43	923.775
	17	910.775	44	924.275
	18	911.275	45	924.775
	19	911.775	46	925.275
	20	912.275	47	925.775
	21	912.775	48	926.275
	22	913.275	49	926.775
	23	913.775	50	927.275
	24	914.275		
	25	914.775		
	26	915.275		
	27	915.775		



<Hopset7>

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
902.825-927.325 MHz	1	902.825	28	916.325
	2	903.325	29	916.825
	3	903.825	30	917.325
	4	904.325	31	917.825
	5	904.825	32	918.325
	6	905.325	33	918.825
	7	905.825	34	919.325
	8	906.325	35	919.825
	9	906.825	36	920.325
	10	907.325	37	920.825
	11	907.825	38	921.325
	12	908.325	39	921.825
	13	908.825	40	922.325
	14	909.325	41	922.825
	15	909.825	42	923.325
	16	910.325	43	923.825
	17	910.825	44	924.325
	18	911.325	45	924.825
	19	911.825	46	925.325
	20	912.325	47	925.825
	21	912.825	48	926.325
	22	913.325	49	926.825
	23	913.825	50	927.325
	24	914.325		
	25	914.825		
	26	915.325		
	27	915.825		



<Hopset8>

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
902.875-927.375 MHz	1	902.875	28	916.375
	2	903.375	29	916.875
	3	903.875	30	917.375
	4	904.375	31	917.875
	5	904.875	32	918.375
	6	905.375	33	918.875
	7	905.875	34	919.375
	8	906.375	35	919.875
	9	906.875	36	920.375
	10	907.375	37	920.875
	11	907.875	38	921.375
	12	908.375	39	921.875
	13	908.875	40	922.375
	14	909.375	41	922.875
	15	909.875	42	923.375
	16	910.375	43	923.875
	17	910.875	44	924.375
	18	911.375	45	924.875
	19	911.875	46	925.375
	20	912.375	47	925.875
	21	912.875	48	926.375
	22	913.375	49	926.875
	23	913.875	50	927.375
	24	914.375		
	25	914.875		
	26	915.375		
	27	915.875		



<Hopset9>

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
902.925-927.425 MHz	1	902.925	28	916.425
	2	903.425	29	916.925
	3	903.925	30	917.425
	4	904.425	31	917.925
	5	904.925	32	918.425
	6	905.425	33	918.925
	7	905.925	34	919.425
	8	906.425	35	919.925
	9	906.925	36	920.425
	10	907.425	37	920.925
	11	907.925	38	921.425
	12	908.425	39	921.925
	13	908.925	40	922.425
	14	909.425	41	922.925
	15	909.925	42	923.425
	16	910.425	43	923.925
	17	910.925	44	924.425
	18	911.425	45	924.925
	19	911.925	46	925.425
	20	912.425	47	925.925
	21	912.925	48	926.425
	22	913.425	49	926.925
	23	913.925	50	927.425
	24	914.425		
	25	914.925		
	26	915.425		
	27	915.925		



<Hopset10>

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
902.975-927.475 MHz	1	902.975	28	916.475
	2	903.475	29	916.975
	3	903.975	30	917.475
	4	904.475	31	917.975
	5	904.975	32	918.475
	6	905.475	33	918.975
	7	905.975	34	919.475
	8	906.475	35	919.975
	9	906.975	36	920.475
	10	907.475	37	920.975
	11	907.975	38	921.475
	12	908.475	39	921.975
	13	908.975	40	922.475
	14	909.475	41	922.975
	15	909.975	42	923.475
	16	910.475	43	923.975
	17	910.975	44	924.475
	18	911.475	45	924.975
	19	911.975	46	925.475
	20	912.475	47	925.975
	21	912.975	48	926.475
	22	913.475	49	926.975
	23	913.975	50	927.475
	24	914.475		
	25	914.975		
	26	915.475		
	27	915.975		

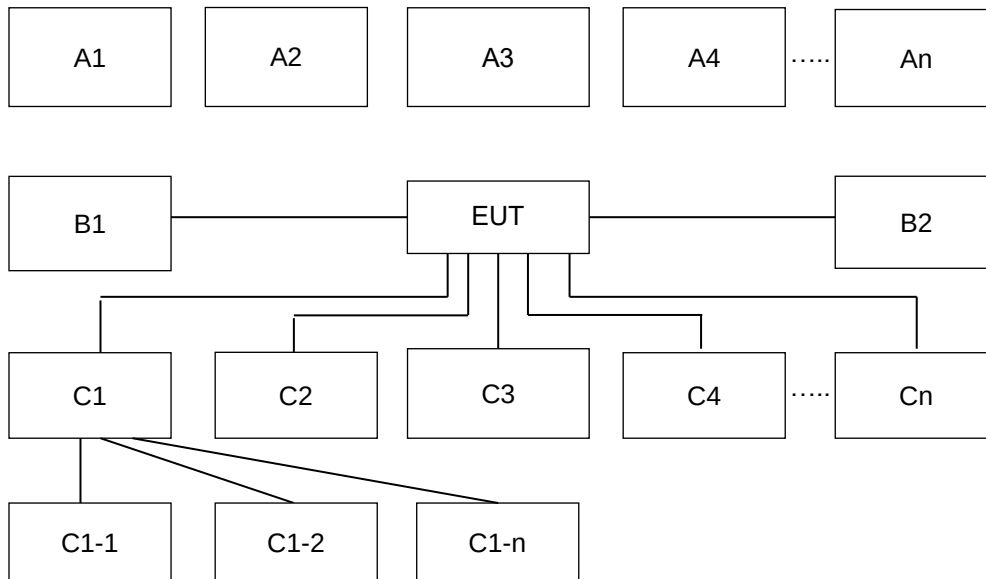
2.2 Test Mode

- a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape) and accessory (Adapter or Earphone), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and only the worst case emissions were reported in this report.
- b. AC power line Conducted Emission was tested under maximum output power.

The following summary table is showing all test modes to demonstrate in compliance with the standard.

Summary table of Test Cases	
Test Item	900MHz ISM
Conducted Test Cases	Mode 1: 900MHz ISM Tx 902.525 MHz Mode 2: 900MHz ISM Tx 915.025 MHz Mode 3: 900MHz ISM Tx 927.475 MHz
Radiated Test Cases	<1-Way-callbox> Mode 1: 900MHz ISM Tx 902.525 MHz Mode 2: 900MHz ISM Tx 915.025 MHz Mode 3: 900MHz ISM Tx 927.475 MHz <2-Way-callbox> Mode 1: 900MHz ISM Tx 902.525 MHz Mode 2: 900MHz ISM Tx 915.025 MHz Mode 3: 900MHz ISM Tx 927.475 MHz <Base Station> Mode 1: 900MHz ISM Tx 902.525 MHz Mode 2: 900MHz ISM Tx 915.025 MHz Mode 3: 900MHz ISM Tx 927.475 MHz
AC Conducted Emission	Mode 1: 2-Way-callbox 900MHz ISM data link with Curve device + Callbox faceplate cover + USB charging with PSU + Wall Mount Mode 2: 1-Way-callbox 900MHz ISM data link with Curve device + Callbox faceplate cover + USB charging with PSU + Wall Mount Mode 3: : Base Station 900MHz ISM data link with Curve device + Base station faceplate cover + USB charging with PSU + Wall Mount + Cradle

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Curve Device	MOTOROLA	DLR110NBHLAA	AZ489FT7146	N/A	N/A
2.	AC Adapter	MOTOROLA	PS000150A31	N/A	N/A	N/A
3.	USB Cable	MOTOROLA	PMKN4294A	N/A	N/A	N/A
4.	CB900D DESKTOP MOUNT (GLOBAL)	MOTOROLA	PMLN8796A	N/A	N/A	N/A
5.	CB900D WALL MOUNT (GLOBAL)	MOTOROLA	PMLN8799A	N/A	N/A	N/A
6.	CB900D BANNER MOUNT CLIP (GLOBAL)	MOTOROLA	PMLN8801A	N/A	N/A	N/A
7.	CB900D BATTERY MODULE	MOTOROLA	PMNN4911A	N/A	N/A	N/A
8.	Battery	Energizer	L91	N/A	N/A	N/A
9.	CB900D BASE STATION FACEPLATE COVER (GLOBAL)	MOTOROLA	PMLN8797A	N/A	N/A	N/A
10.	CBD CALL BOX FACE PLATE COVER (GLOBAL)	MOTOROLA	PMLN8798A	N/A	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, an engineering test program “Atlantis Digital Flash” was provided and enabled to make EUT transmitting signals

2.6 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

Example:

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 4.2 dB and 10 dB attenuator.

$$\begin{aligned}
 \text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)}. \\
 &= 4.2 + 10 = 14.2 \text{ (dB)}
 \end{aligned}$$

3 Test Result

3.1 Output Power Measurement

3.1.1 Limit of Output Power

Section 15.247 (a) Operation under the provisions of this Section is limited to frequency hopping and digitally modulated intentional radiators that comply with the following provisions: (1)(i) For frequency hopping systems operating in the 902-928 MHz band: if the 20 dB bandwidth of the hopping channel is less than 250 kHz, the system shall use at least 50 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 20 second period; if the 20 dB bandwidth of the hopping channel is 250 kHz or greater, the system shall use at least 25 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 10 second period. The maximum allowed 20 dB bandwidth of the hopping channel is 500 kHz.

Section 15.247 (b) The maximum peak conducted output power of the intentional radiator shall not exceed the following: (2) For frequency hopping systems operating in the 902-928 MHz band: 1 watt for systems employing at least 50 hopping channels; and, 0.25 watts for systems employing less than 50 hopping channels, but at least 25 hopping channels, as permitted under paragraph (a)(1)(i) of this section.

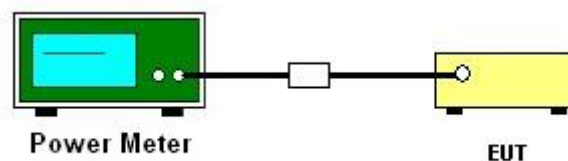
3.1.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.1.3 Test Procedures

1. The testing follows ANSI C63.10-2020 clause 7.8.5.
1. The RF output of EUT was connected to the power meter by RF cable and attenuator. The path loss was compensated to the results for each measurement.
2. Set the maximum power setting and enable the EUT to transmit continuously.
3. Measure the conducted output power with cable loss and record the results in the test report.
4. Measure and record the results in the test report.

3.1.4 Test Setup



**3.1.5 Test Result of Output Power**

Test Mode :	900MHz ISM	Temperature :	20~25°C
Test Engineer :	Junyu Jhou	Relative Humidity :	50~56%

Frequency (MHz)	RF Power (dBm)		
	900MHz ISM	Max. Limits (dBm)	Pass/Fail
902.525	28.95	30.00	Pass
915.025	29.10	30.00	Pass
927.475	29.20	30.00	Pass

3.1.6 Test Result of Average Power (Reporting Only)

Test Mode :	900MHz ISM	Temperature :	20~25°C
Test Engineer :	Junyu Jhou	Relative Humidity :	50~56%

<Ant. 6>

Frequency (MHz)	RF Power (dBm)
	900MHz ISM
902.525	28.92
915.025	29.01
927.475	29.18

3.2 Radiated Band Edges and Spurious Emission Measurement

3.2.1 Limit of Radiated Band Edges and Spurious Emission

In any 100 kHz bandwidth outside the intentional radiator frequency band, all harmonics/spurious must be at least 20 dB below the highest emission level within the authorized band. In addition, radiated emissions which fall in the restricted bands must also comply with the limits as below.

Frequency (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

3.2.2 Measuring Instruments

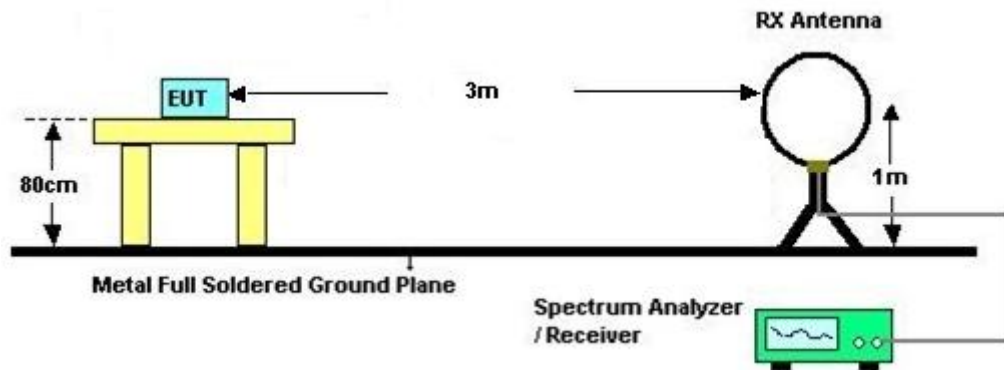
Please refer to the measuring equipment list in this test report.

3.2.3 Test Procedures

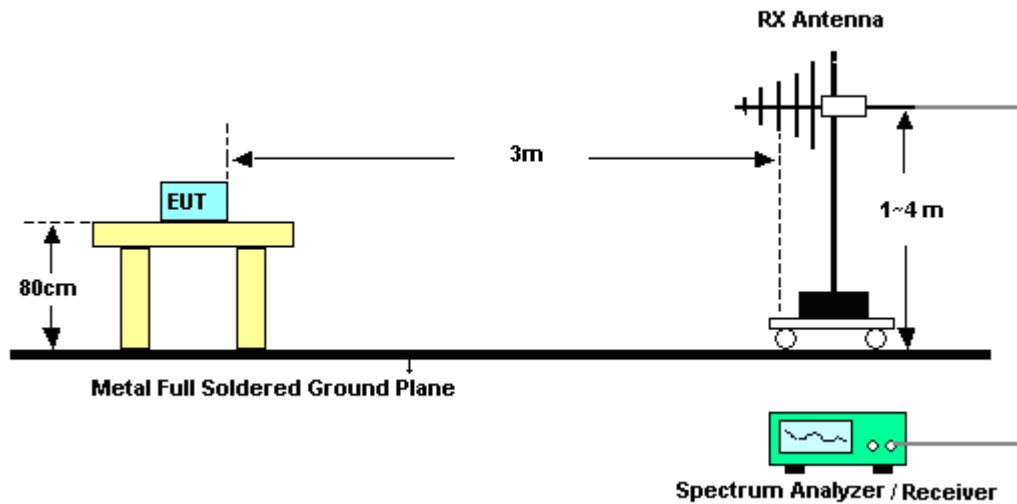
1. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
1. The EUT is set 3 meters away from the receiving antenna, which is mounted on the top of a variable height antenna tower.
2. For each suspected emission, the EUT is arranged to its worst case and then tune the Antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level to comply with the guidelines.
3. Set the maximum power setting and enable the EUT to transmit continuously.
4. Use the following spectrum analyzer settings:
 - (1) Span shall wide enough to fully capture the emission being measured;
 - (2) Set RBW = 100 kHz for $f < 1$ GHz, RBW = 1 MHz for $f > 1$ GHz ; VBW $\geq$ RBW; Sweep = auto; Detector function = peak; Trace = max hold for peak
 - (3) For average measurement: use duty cycle correction factor method per 15.35(c).
Duty cycle = On time/100 milliseconds
On time = $N_1 * L_1 + N_2 * L_2 + \dots + N_{n-1} * L_{n-1} + N_n * L_n$
Where N_1 is number of type 1 pulses, L_1 is length of type 1 pulses, etc.
Average Emission Level = Peak Emission Level + $20 * \log$ (Duty cycle)
5. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level
6. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit line, the position is marked as “-”.
7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies. When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as “-”.

3.2.4 Test Setup

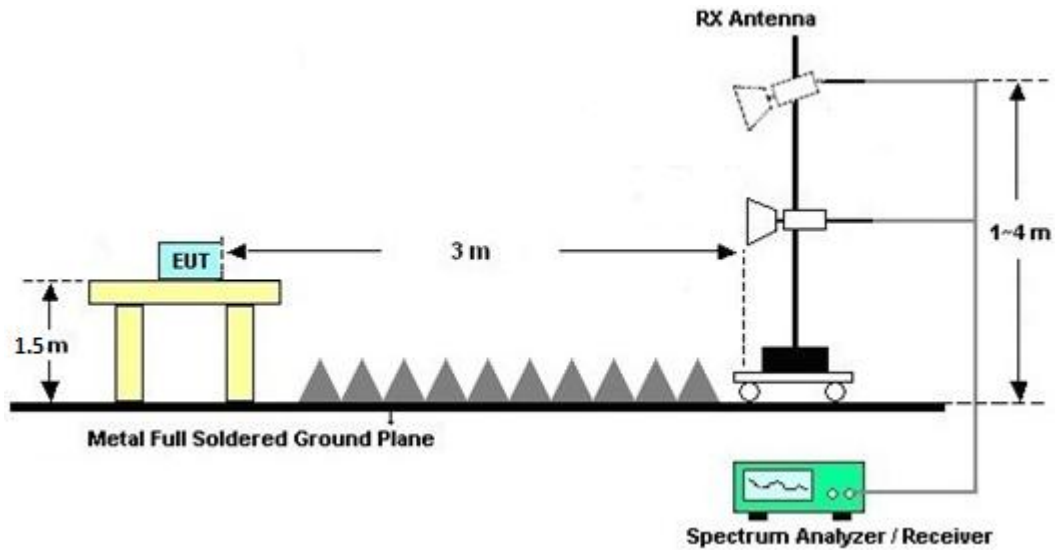
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



3.2.5 Test Results of Radiated Spurious Emissions (9 kHz ~ 30 MHz)

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.

3.2.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix B and C.

3.2.7 Duty Cycle

Please refer to Appendix D.

3.2.8 Test Result of Radiated Spurious Emission

Please refer to Appendix B and C.

3.3 AC Power Line Conducted Emissions Measurement

3.3.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency of Emission (MHz)	Conducted Limit (dBμV)	
	Quasi-Peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

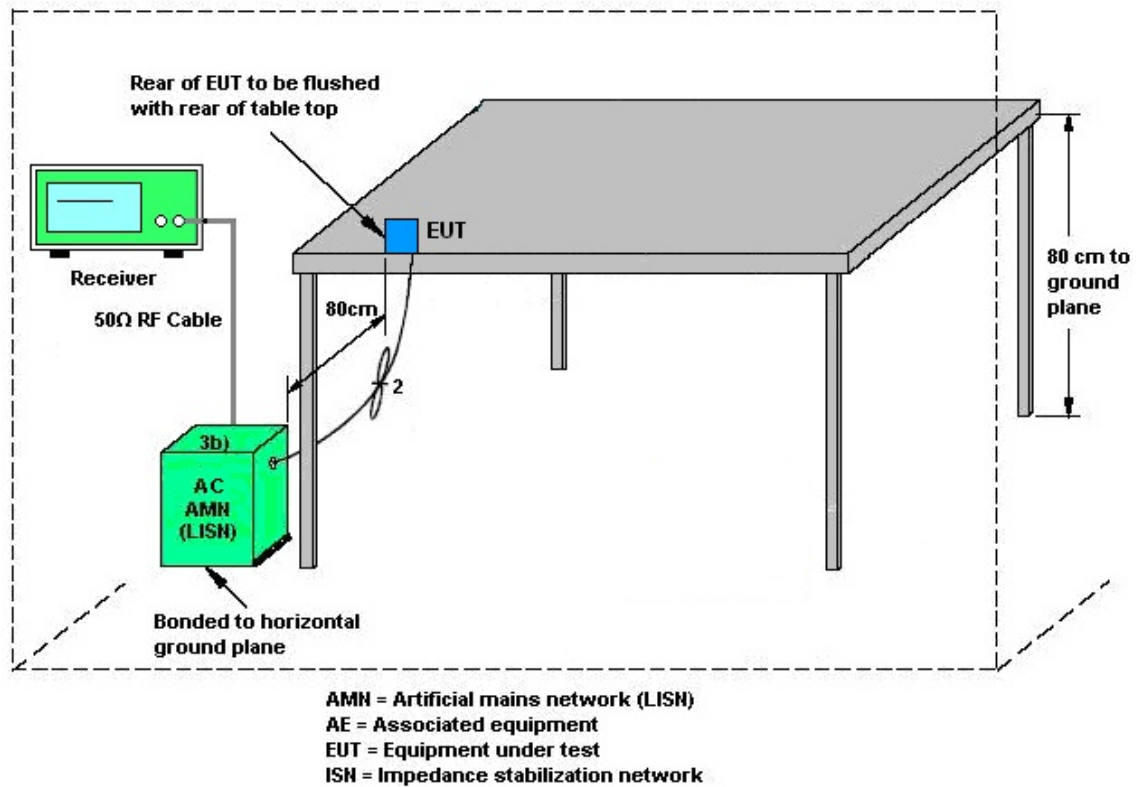
3.3.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.3.3 Test Procedures

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room, and it was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN shall be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF Bandwidth = 9kHz) with Maximum Hold Mode. Then measurement is also conducted by Average Detector and Quasi-Peak Detector Function respectively.

3.3.4 Test setup



3.3.5 Test Result of AC Conducted Emission

Please refer to Appendix A.



3.4 Antenna Requirements

3.4.1 Standard Applicable

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 rule.

3.4.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	35419 & 03	30MHz~1GHz	Apr. 21,2025	Aug. 16,2025~ Aug. 20, 2025	Apr. 20,2026	03CH07-HY
Double Ridge Horn Antenna	ETS-Lindgren	3117	00075962	1GHz ~ 18GHz	Nov. 28,2024	Aug. 16,2025~ Aug. 20, 2025	Nov. 27,2025	03CH07-HY
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Mar. 06,2025	Aug. 16,2025~ Aug. 20, 2025	Mar. 05,2026	03CH07-HY
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1590075	1GHz~18GHz	Apr. 18,2025	Aug. 16,2025~ Aug. 20, 2025	Apr. 17,2026	03CH07-HY
Preamplifier	COM-POWER	PA-103A	161241	10MHz~1GHz	Oct. 01,2024	Aug. 16,2025~ Aug. 20, 2025	Sep. 30,2025	03CH07-HY
Spectrum Analyzer	Agilent	N9030A	MY52350276	3Hz~44GHz	Mar. 28,2025	Aug. 16,2025~ Aug. 20, 2025	Mar. 27,2026	03CH07-HY
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY28655/4 MY24971/4 MY15682/4	30MHz to 18GHz	Feb. 20,2025	Aug. 16,2025~ Aug. 20, 2025	Feb. 19,2026	03CH07-HY
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY28655/4 MY24971/4	9kHz to 30MHz	Feb. 20,2025	Aug. 16,2025~ Aug. 20, 2025	Feb. 19,2026	03CH07-HY
RF Cable	HUBER + SUHNER	SUCOFLEX 126	532078/126E	30MHz~18GHz	Sep. 14,2024	Aug. 16,2025~ Aug. 20, 2025	Sep. 13,2025	03CH07-HY
RF Cable	HUBER + SUHNER	SUCOFLEX 102	801606/2	9KHz ~ 40GHz	Apr. 23,2025	Aug. 16,2025~ Aug. 20, 2025	Apr. 22,2026	03CH07-HY
Controller	EMEC	EM1000	N/A	Control Ant Mast	N/A	Aug. 16,2025~ Aug. 20, 2025	N/A	03CH07-HY
Controller	MF	MF-7802	N/A	Control Turn table	N/A	Aug. 16,2025~ Aug. 20, 2025	N/A	03CH07-HY
Antenna Mast	EMEC	AM-BS-4500E	N/A	Boresight mast 1M~4M	N/A	Aug. 16,2025~ Aug. 20, 2025	N/A	03CH07-HY
Turn Table	ChainTek	Chaintek 3000	N/A	0~360 Degree	N/A	Aug. 16,2025~ Aug. 20, 2025	N/A	03CH07-HY
Software	Audix	E3	N/A	N/A	N/A	Aug. 16,2025~ Aug. 20, 2025	N/A	03CH07-HY
USB Data Logger	TECPEL	TR-32	HE17XB2495	N/A	Feb. 24,2025	Aug. 16,2025~ Aug. 20, 2025	Feb. 23,2026	03CH07-HY
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 01, 2024	Jul.29, 2025~ Jul.31, 2025	Oct. 31, 2025	Conducted (TH05-HY)
Power Meter	Anritsu	ML2495A	1036004	N/A	Jul. 01, 2025	Jul.29, 2025~ Jul.31, 2025	Jun. 30, 2026	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	1027253	300MHz~40GHz	Jul. 01, 2025	Jul.29, 2025~ Jul.31, 2025	Jun.30, 2026	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz ~ 40GHz	Aug.23, 2024	Jul.29, 2025~ Jul.31, 2025	Aug.22, 2025	Conducted (TH05-HY)
Switch Control Mainframe	E-Instument	ETF-1405-0	EC1900157 (BOX6)	N/A	Feb. 10, 2025	Jul.29, 2025~ Jul.31, 2025	Feb. 09, 2026	Conducted (TH05-HY)



FCC RADIO TEST REPORT

Report No. : FR572303

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Software	Sporton	BTWIFI_Final_version_240513	N/A	Conducted Other Test Item	N/A	Jul.29, 2025~Jul.31, 2025	N/A	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Aug. 06, 2025~Aug. 07, 2025	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Dec. 10, 2024	Aug. 06, 2025~Aug. 07, 2025	Dec. 09, 2025	Conduction (CO05-HY)
Hygrometer	TECPEL	DTM-303A	TP210031	N/A	Jun. 26, 2025	Aug. 06, 2025~Aug. 07, 2025	Jun. 25, 2026	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Jul. 25, 2025	Aug. 06, 2025~Aug. 07, 2025	Jul. 24, 2026	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32	N/A	N/A	N/A	Aug. 06, 2025~Aug. 07, 2025	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-FN	00691	N/A	Jul. 29, 2025	Aug. 06, 2025~Aug. 07, 2025	Jul. 28, 2026	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	MQT24082501	9KHz - 30MHz	Oct. 15, 2024	Aug. 06, 2025~Aug. 07, 2025	Oct. 14, 2025	Conduction (CO05-HY)

5 Measurement Uncertainty

Uncertainty of Conducted Emission Measurement (150kHz ~ 30MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	3.7 dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	6.3 dB
---	--------

Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	4.7 dB
---	--------

Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	5.5 dB
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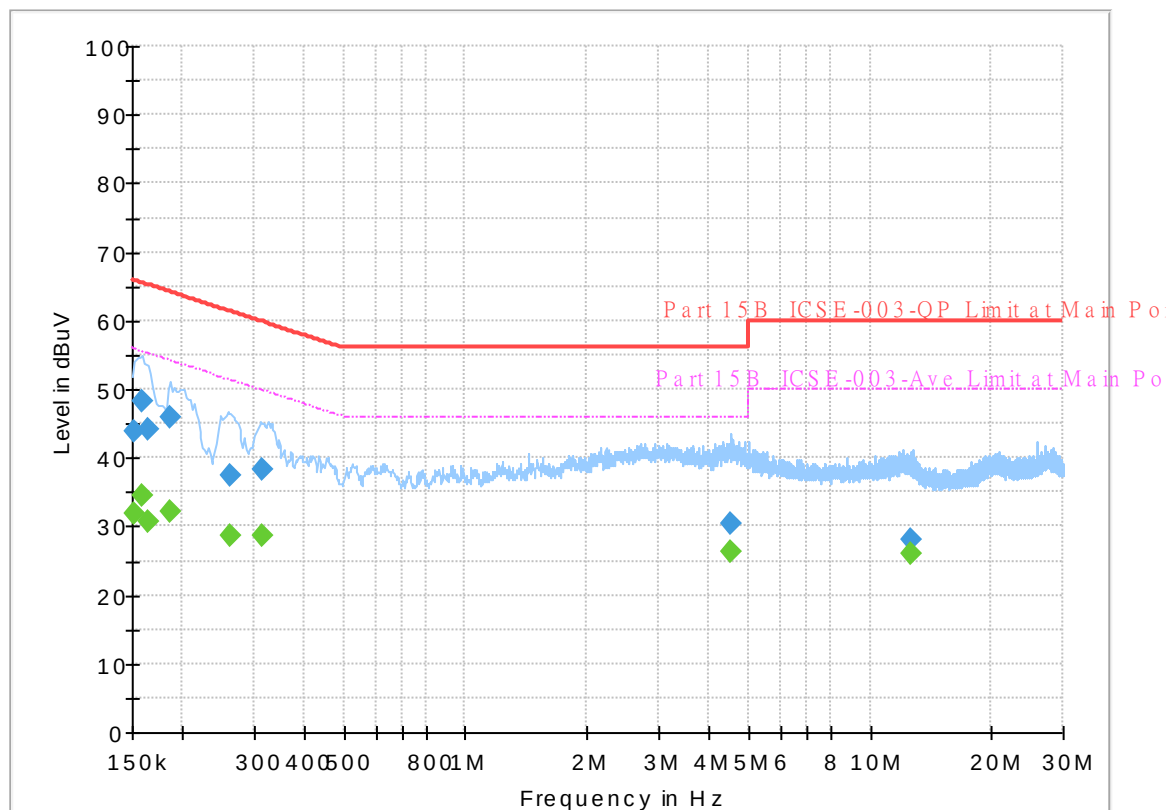
Appendix A. AC Conducted Emission Test Results

Test Engineer :	Brian Chen	Temperature :	23~26°C
		Relative Humidity :	45~55%

EUT Information

Report NO : 572303
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Line

Full Spectrum



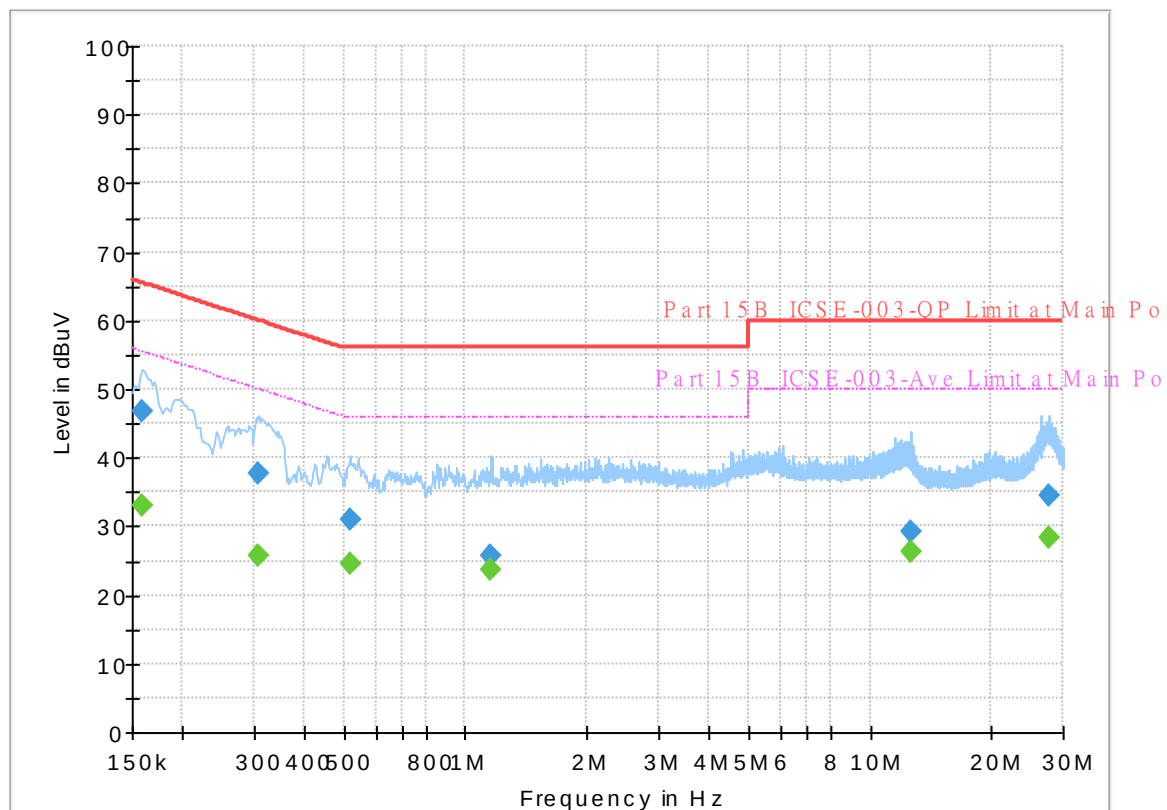
Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	31.99	55.88	23.89	L1	OFF	19.7
0.152250	43.79	---	65.88	22.09	L1	OFF	19.7
0.159000	---	34.41	55.52	21.11	L1	OFF	19.7
0.159000	48.38	---	65.52	17.14	L1	OFF	19.7
0.163500	---	30.66	55.28	24.62	L1	OFF	19.7
0.163500	44.10	---	65.28	21.18	L1	OFF	19.7
0.186000	---	32.28	54.21	21.93	L1	OFF	19.7
0.186000	45.92	---	64.21	18.29	L1	OFF	19.7
0.262500	---	28.60	51.35	22.75	L1	OFF	19.7
0.262500	37.41	---	61.35	23.94	L1	OFF	19.7
0.314250	---	28.61	49.86	21.25	L1	OFF	19.7
0.314250	38.36	---	59.86	21.50	L1	OFF	19.7
4.524000	---	26.36	46.00	19.64	L1	OFF	20.0
4.524000	30.47	---	56.00	25.53	L1	OFF	20.0
12.572250	---	25.88	50.00	24.12	L1	OFF	20.4
12.572250	27.99	---	60.00	32.01	L1	OFF	20.4

EUT Information

Report NO : 572303
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Neutral

Full Spectrum



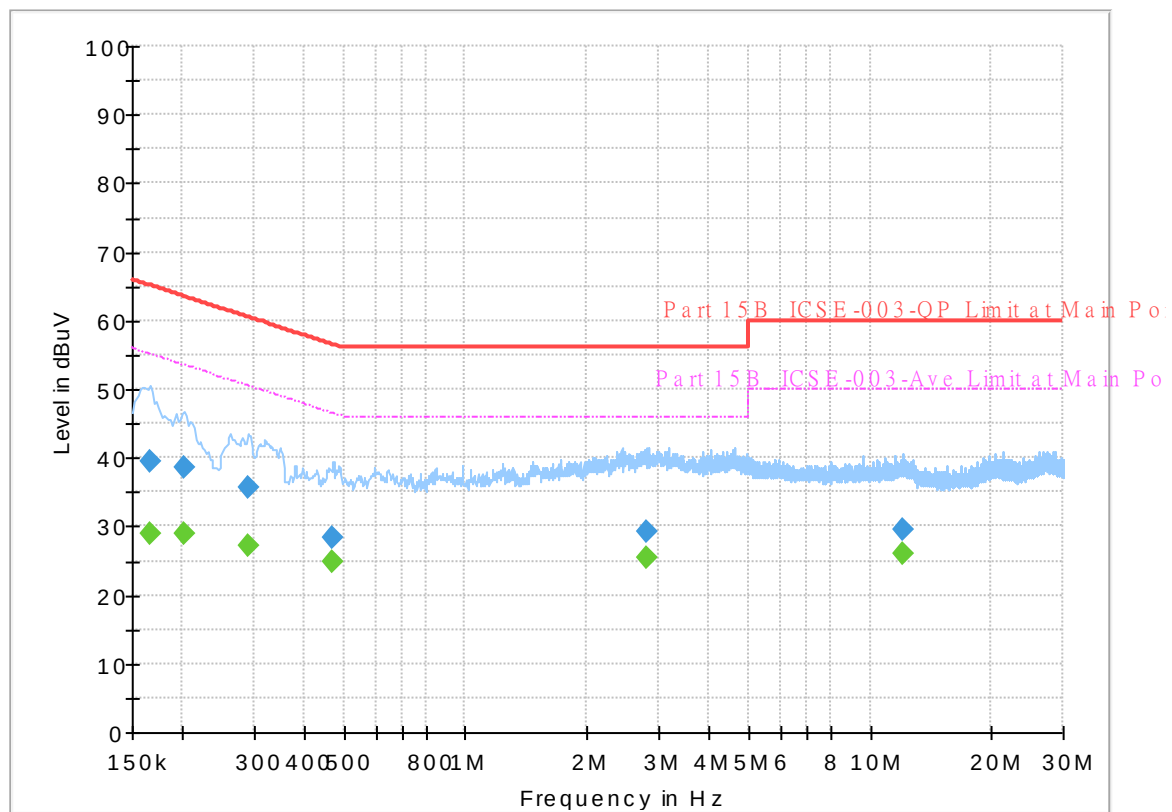
Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.159000	---	33.15	55.52	22.37	N	OFF	19.7
0.159000	46.79	---	65.52	18.73	N	OFF	19.7
0.307500	---	25.84	50.04	24.20	N	OFF	19.7
0.307500	37.73	---	60.04	22.31	N	OFF	19.7
0.519000	---	24.45	46.00	21.55	N	OFF	19.7
0.519000	30.98	---	56.00	25.02	N	OFF	19.7
1.158000	---	23.65	46.00	22.35	N	OFF	19.8
1.158000	25.82	---	56.00	30.18	N	OFF	19.8
12.563250	---	26.28	50.00	23.72	N	OFF	20.5
12.563250	29.21	---	60.00	30.79	N	OFF	20.5
27.847500	---	28.47	50.00	21.53	N	OFF	20.7
27.847500	34.41	---	60.00	25.59	N	OFF	20.7

EUT Information

Report NO : 572303
 Test Mode : Mode 2
 Test Voltage : 120Vac/60Hz
 Phase : Line

Full Spectrum



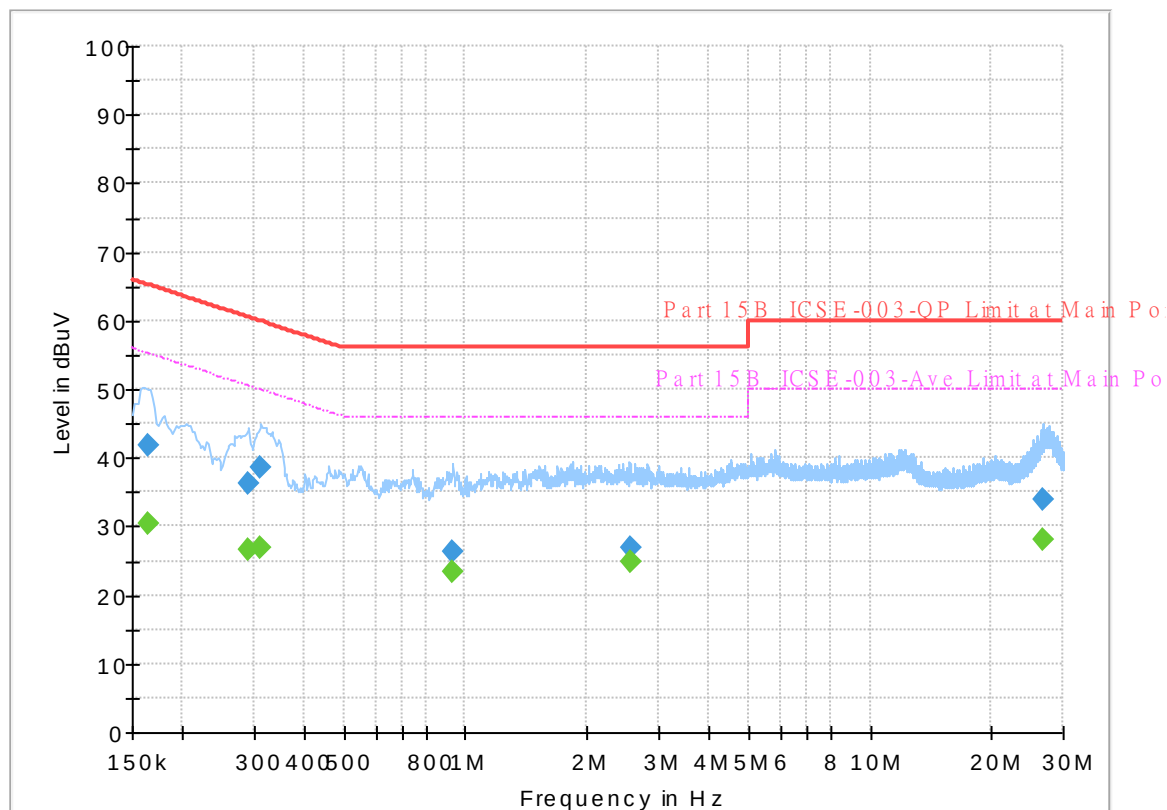
Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.165750	---	28.83	55.17	26.34	L1	OFF	19.7
0.165750	39.59	---	65.17	25.58	L1	OFF	19.7
0.201750	---	29.01	53.54	24.53	L1	OFF	19.7
0.201750	38.65	---	63.54	24.89	L1	OFF	19.7
0.289500	---	27.28	50.54	23.26	L1	OFF	19.7
0.289500	35.58	---	60.54	24.96	L1	OFF	19.7
0.469500	---	24.78	46.52	21.74	L1	OFF	19.7
0.469500	28.34	---	56.52	28.18	L1	OFF	19.7
2.789250	---	25.50	46.00	20.50	L1	OFF	19.9
2.789250	29.33	---	56.00	26.67	L1	OFF	19.9
12.075000	---	26.04	50.00	23.96	L1	OFF	20.4
12.075000	29.56	---	60.00	30.44	L1	OFF	20.4

EUT Information

Report NO : 572303
Test Mode : Mode 2
Test Voltage : 120Vac/60Hz
Phase : Neutral

Full Spectrum



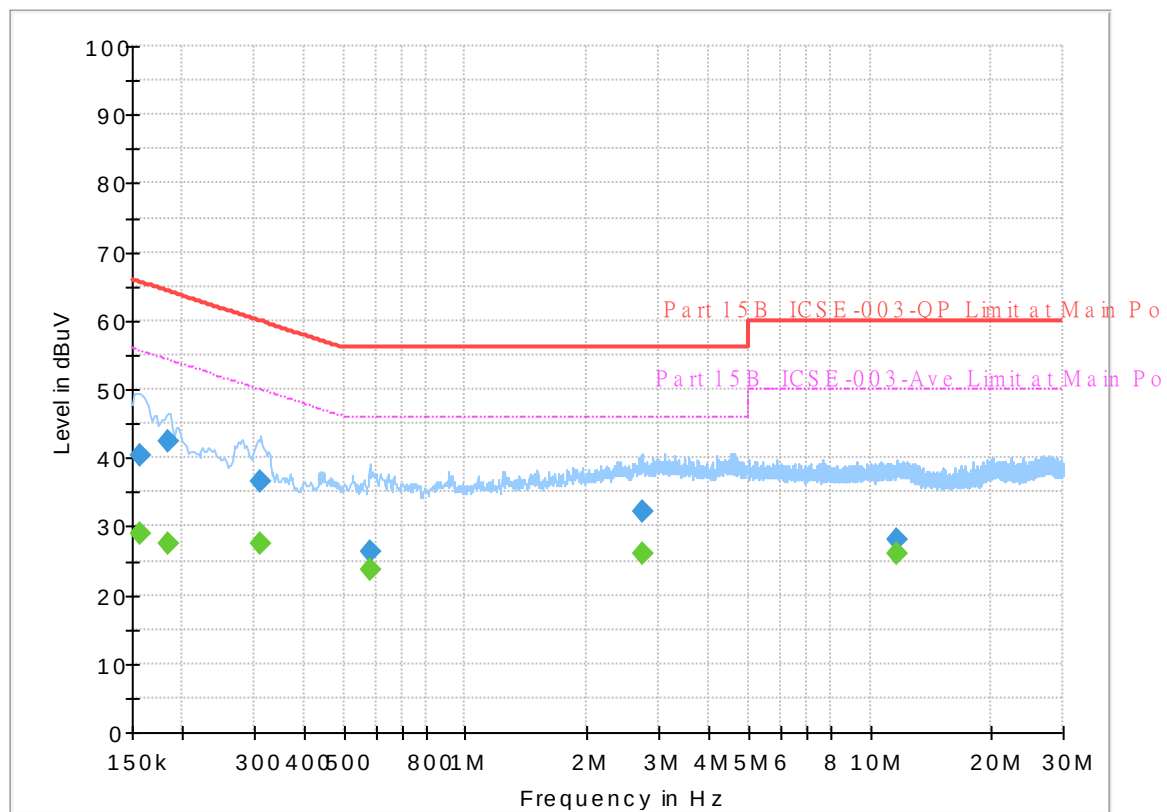
Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.163500	---	30.50	55.28	24.78	N	OFF	19.7
0.163500	41.81	---	65.28	23.47	N	OFF	19.7
0.289500	---	26.56	50.54	23.98	N	OFF	19.7
0.289500	36.38	---	60.54	24.16	N	OFF	19.7
0.312000	---	27.00	49.92	22.92	N	OFF	19.7
0.312000	38.60	---	59.92	21.32	N	OFF	19.7
0.930750	---	23.53	46.00	22.47	N	OFF	19.8
0.930750	26.31	---	56.00	29.69	N	OFF	19.8
2.546250	---	24.71	46.00	21.29	N	OFF	19.8
2.546250	26.78	---	56.00	29.22	N	OFF	19.8
26.873250	---	28.19	50.00	21.81	N	OFF	20.7
26.873250	33.88	---	60.00	26.12	N	OFF	20.7

EUT Information

Report NO : 572303
 Test Mode : Mode 3
 Test Voltage : 120Vac/60Hz
 Phase : Line

Full Spectrum



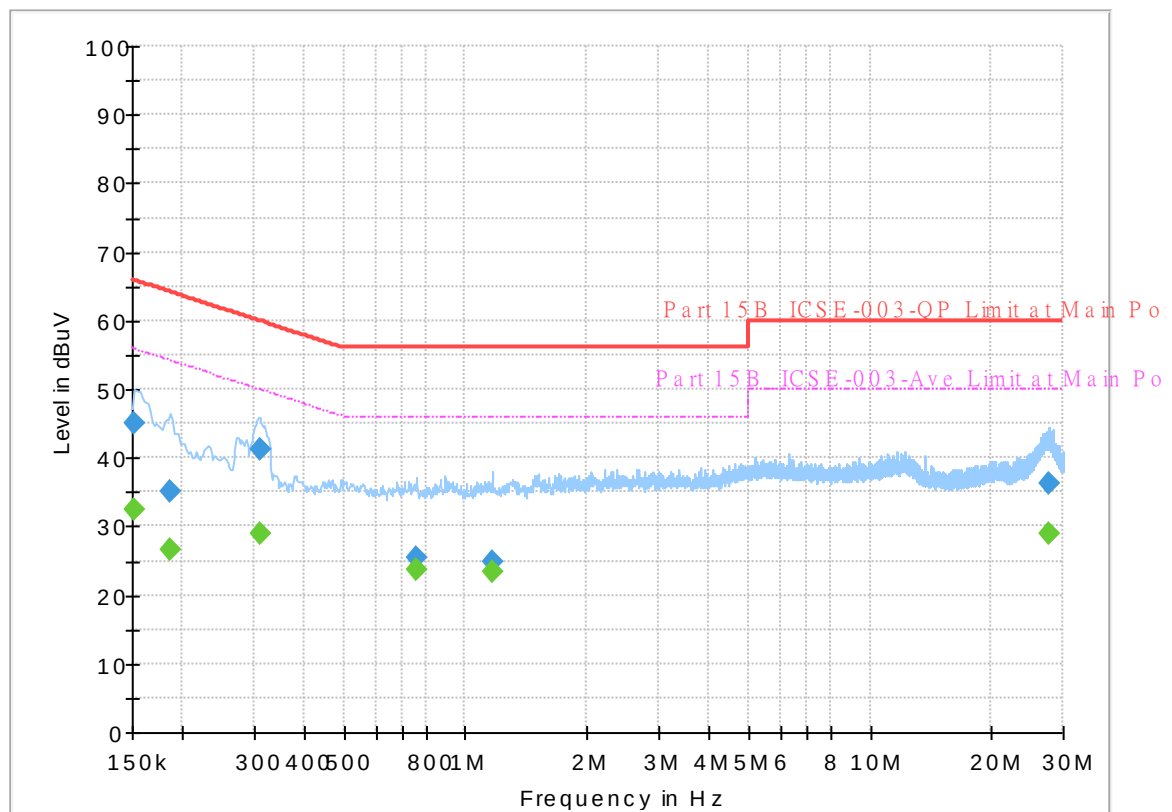
Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.156750	---	29.07	55.63	26.56	L1	OFF	19.7
0.156750	40.26	---	65.63	25.37	L1	OFF	19.7
0.183750	---	27.44	54.31	26.87	L1	OFF	19.7
0.183750	42.25	---	64.31	22.06	L1	OFF	19.7
0.312000	---	27.39	49.92	22.53	L1	OFF	19.7
0.312000	36.67	---	59.92	23.25	L1	OFF	19.7
0.579750	---	23.68	46.00	22.32	L1	OFF	19.7
0.579750	26.25	---	56.00	29.75	L1	OFF	19.7
2.726250	---	25.96	46.00	20.04	L1	OFF	19.9
2.726250	32.04	---	56.00	23.96	L1	OFF	19.9
11.717250	---	26.03	50.00	23.97	L1	OFF	20.4
11.717250	28.06	---	60.00	31.94	L1	OFF	20.4

EUT Information

Report NO : 572303
 Test Mode : Mode 3
 Test Voltage : 120Vac/60Hz
 Phase : Neutral

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	32.54	55.88	23.34	N	OFF	19.7
0.152250	44.92	---	65.88	20.96	N	OFF	19.7
0.186000	---	26.69	54.21	27.52	N	OFF	19.7
0.186000	35.06	---	64.21	29.15	N	OFF	19.7
0.309750	---	28.95	49.98	21.03	N	OFF	19.7
0.309750	41.24	---	59.98	18.74	N	OFF	19.7
0.757500	---	23.57	46.00	22.43	N	OFF	19.8
0.757500	25.33	---	56.00	30.67	N	OFF	19.8
1.162500	---	23.47	46.00	22.53	N	OFF	19.8
1.162500	24.87	---	56.00	31.13	N	OFF	19.8
27.595500	---	29.07	50.00	20.93	N	OFF	20.7
27.595500	36.12	---	60.00	23.88	N	OFF	20.7



Appendix B. Radiated Spurious Emission

Test Engineer :	Jesse Wang, Stan Hsieh, Ken Wu	Temperature :	21.2 ~22.8°C
		Relative Humidity :	56.5 ~ 64.3%



(LF @ 3m)

<1-Way-callbox>

	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
902.525MHz	★	30	30.09	-9.91	40	35.81	23.68	0.58	29.98			P	H
	★	48.9	25.32	-14.68	40	39.05	14.94	1.28	29.95			P	H
		91.02	24.87	-18.63	43.5	38.15	14.93	1.71	29.92			P	H
		351.1	28.22	-17.78	46	34.31	20.44	3.26	29.79			P	H
	★	629.7	28.41	-17.59	46	27.33	26.43	4.32	29.67			P	H
	*	902.525	118.45	-	-	113.13	28.96	5.14	28.78	159	0	P	H
	★	981.8	34.78	-19.22	54	26.92	30.76	5.43	28.33			P	H
													H
													H
													H
													H
													H
	★	30	32.06	-7.94	40	37.78	23.68	0.58	29.98			P	V
	★	51.87	23.68	-16.32	40	38.72	13.59	1.31	29.94			P	V
		91.02	27.88	-15.62	43.5	41.16	14.93	1.71	29.92			P	V
		371.4	34.54	-11.46	46	40.29	20.72	3.32	29.79			P	V
		493.2	33.31	-12.69	46	35.55	23.73	3.84	29.81			P	V
	*	902.525	114.57	-	-	109.25	28.96	5.14	28.78	100	130	P	V
	★	983.2	35.11	-18.89	54	27.26	30.72	5.44	28.31			P	V
													V
													V
													V
													V
													V



	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
915.025MHz	★	30.81	31.36	-8.64	40	37.03	23.65	0.66	29.98			P	H
	★	46.47	25.49	-14.51	40	38.04	16.16	1.25	29.96			P	H
		91.02	24.69	-18.81	43.5	37.97	14.93	1.71	29.92			P	H
		321	27.07	-18.93	46	34.29	19.46	3.13	29.81			P	H
	★	566	27.67	-18.33	46	27.12	26.15	4.11	29.71			P	H
	*	915.025	118.14	-	-	112.61	29.08	5.19	28.74	155	360	P	H
	★	977.6	35.01	-18.99	54	27.05	30.91	5.42	28.37			P	H
													H
													H
													H
													H
													H
	★	30	32.49	-7.51	40	38.21	23.68	0.58	29.98			P	V
	★	51.33	24.55	-15.45	40	39.33	13.86	1.3	29.94			P	V
		91.02	28.21	-15.29	43.5	41.49	14.93	1.71	29.92			P	V
		437.9	33.17	-12.83	46	36.68	22.64	3.61	29.76			P	V
	★	642.3	28.59	-17.41	46	27.29	26.59	4.34	29.63			P	V
	*	915.025	115	-	-	109.47	29.08	5.19	28.74	152	99	P	V
	★	968.5	34.77	-19.23	54	26.8	31.03	5.39	28.45			P	V
													V
													V
													V
													V
													V



	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
927.475MHz	★	30	27.51	-12.49	40	33.23	23.68	0.58	29.98			P	H
	★	47.01	25.15	-14.85	40	38.01	15.85	1.25	29.96			P	H
	★	136.92	24.03	-19.47	43.5	34.24	17.59	2.08	29.88			P	H
		323.8	27.47	-18.53	46	34.63	19.51	3.14	29.81			P	H
	★	556.9	27.85	-18.15	46	27.48	25.98	4.08	29.69			P	H
	*	927.475	118.75	-	-	112.73	29.49	5.23	28.7	150	360	P	H
	★	964.3	35.2	-18.8	54	27.25	31.07	5.37	28.49			P	H
													H
													H
													H
													H
													H
	★	30.27	32.39	-7.61	40	38.09	23.67	0.61	29.98			P	V
		55.11	28.67	-11.33	40	44.71	12.56	1.34	29.94			P	V
		91.02	28.77	-14.73	43.5	42.05	14.93	1.71	29.92			P	V
		358.1	24.01	-21.99	46	29.91	20.61	3.28	29.79			P	V
		568.8	34.32	-11.68	46	33.82	26.08	4.13	29.71			P	V
	*	927.475	117.23	-	-	111.21	29.49	5.23	28.7	100	222	P	V
	★	986	34.76	-19.24	54	26.91	30.69	5.45	28.29			P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line. 3. Non restricted band limit is radio frequency level down 20db												



(Harmonic @ 3m)

	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
902.525MHz z	★	2707.575	39.51	-34.49	74	56.79	32.3	9.5	59.08			P	H
	★	3610.1	39.8	-34.2	74	54.99	33.14	10.88	59.21			P	H
	★	4512.625	42.63	-31.37	74	55.27	34	12.37	59.01			P	H
	★	5415.15	41.09	-32.91	74	50.55	34.63	13.27	57.36			P	H
	★	8122.725	41.56	-32.44	74	46.77	35.9	16.56	57.67			P	H
	★	9025.25	44.19	-29.81	74	48.9	36.2	17.75	58.66			P	H
	★	2707.575	38.73	-35.27	74	56.01	32.3	9.5	59.08			P	V
	★	3610.1	40.04	-33.96	74	55.23	33.14	10.88	59.21			P	V
	★	4512.625	41.58	-32.42	74	54.22	34	12.37	59.01			P	V
	★	5415.15	40.54	-33.46	74	50	34.63	13.27	57.36			P	V
	★	8122.725	41.35	-32.65	74	46.56	35.9	16.56	57.67			P	V
	★	9025.25	42.5	-31.5	74	47.21	36.2	17.75	58.66			P	V



	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
915.025MHz z	★	2745.075	39.7	-34.3	74	56.83	32.35	9.61	59.09			P	H
	★	3660.1	41.38	-32.62	74	56.35	33.26	10.99	59.22			P	H
	★	4575.125	42.04	-31.96	74	54.38	34.05	12.49	58.88			P	H
	★	7320.2	42.43	-31.57	74	49.02	35.7	15.41	57.7			P	H
	★	8235.225	41.97	-32.03	74	47.23	35.83	16.55	57.64			P	H
	★	9150.25	42.87	-31.13	74	47.56	36.3	18.03	59.02			P	H
	★	2745.075	39.87	-34.13	74	57	32.35	9.61	59.09			P	V
	★	3660.1	40.47	-33.53	74	55.44	33.26	10.99	59.22			P	V
	★	4575.125	42.38	-31.62	74	54.72	34.05	12.49	58.88			P	V
	★	7320.2	42.14	-31.86	74	48.73	35.7	15.41	57.7			P	V
	★	8235.225	42.2	-31.8	74	47.46	35.83	16.55	57.64			P	V
	★	9150.25	43.33	-30.67	74	48.02	36.3	18.03	59.02			P	V



	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
927.475MHz z	★	2782.425	39.16	-34.84	74	56.02	32.52	9.72	59.1			P	H
	★	3709.9	39.43	-34.57	74	54.44	33.12	11.1	59.23			P	H
	★	4637.375	40.65	-33.35	74	52.66	34.17	12.57	58.75			P	H
	★	7419.8	41.98	-32.02	74	48.66	35.7	15.49	57.87			P	H
	★	8347.275	41.9	-32.1	74	47.12	35.89	16.51	57.62			P	H
												P	H
	★	2782.425	38.95	-35.05	74	55.81	32.52	9.72	59.1			P	V
	★	3709.9	40.17	-33.83	74	55.18	33.12	11.1	59.23			P	V
	★	4637.375	41.2	-32.8	74	53.21	34.17	12.57	58.75			P	V
	★	7419.8	40.79	-33.21	74	47.47	35.7	15.49	57.87			P	V
	★	8347.275	42.07	-31.93	74	47.29	35.89	16.51	57.62			P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. Non restricted band limit is radio frequency level down 20db												



(LF @ 3m)

<2-Way-callbox>

	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
902.525MHz	★	31.08	29.69	-10.31	40	35.39	23.59	0.69	29.98			P	H
	★	47.55	24.44	-15.56	40	37.55	15.58	1.26	29.95			P	H
	★	134.76	23.87	-19.63	43.5	34.08	17.61	2.07	29.89			P	H
		357.4	26.64	-19.36	46	32.55	20.6	3.28	29.79			P	H
	★	561.1	27.76	-18.24	46	27.19	26.18	4.09	29.7			P	H
	★	729.8	29.93	-16.07	46	27.23	27.54	4.64	29.48			P	H
	*	902.525	118.64	-	-	113.32	28.96	5.14	28.78	162	28	P	H
													H
													H
													H
													H
													H
	★	30.27	32.02	-7.98	40	37.72	23.67	0.61	29.98			P	V
	★	39.99	26.29	-13.71	40	35.51	19.59	1.17	29.98			P	V
	★	52.14	23.63	-16.37	40	38.79	13.47	1.31	29.94			P	V
		336.4	22.66	-23.34	46	29.31	19.95	3.2	29.8			P	V
	★	561.8	27.17	-18.83	46	26.58	26.19	4.1	29.7			P	V
	★	748.7	30.88	-15.12	46	27.33	28.28	4.72	29.45			P	V
	*	902.525	115.21	-	-	109.89	28.96	5.14	28.78	100	115	P	V
													V
													V
													V
													V
													V



	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
915.025MHz	★	31.62	29.56	-10.44	40	35.53	23.26	0.75	29.98			P	H
	★	48.9	24.84	-15.16	40	38.57	14.94	1.28	29.95			P	H
		96.15	24.2	-19.3	43.5	36.82	15.52	1.77	29.91			P	H
		358.1	27.02	-18.98	46	32.92	20.61	3.28	29.79			P	H
	★	622.7	27.67	-18.33	46	26.95	26.11	4.3	29.69			P	H
	★	733.3	30.28	-15.72	46	27.35	27.75	4.66	29.48			P	H
	*	915.025	118.58	-	-	113.05	29.08	5.19	28.74	164	189	P	H
													H
													H
													H
													H
													H
	★	30.27	31.87	-8.13	40	37.57	23.67	0.61	29.98			P	V
	★	51.87	23.24	-16.76	40	38.28	13.59	1.31	29.94			P	V
	★	77.25	21.09	-18.91	40	36.25	13.18	1.59	29.93			P	V
		359.5	23.56	-22.44	46	29.44	20.62	3.29	29.79			P	V
	★	555.5	28.16	-17.84	46	27.91	25.87	4.07	29.69			P	V
	★	737.5	30.29	-15.71	46	27.17	27.91	4.68	29.47			P	V
	*	915.025	115.06	-	-	109.53	29.08	5.19	28.74	166	115	P	V
													V
													V
													V
													V
													V



	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
927.475MHz	★	31.08	29.52	-10.48	40	35.22	23.59	0.69	29.98			P	H
	★	47.55	24.36	-15.64	40	37.47	15.58	1.26	29.95			P	H
	★	136.11	23.88	-19.62	43.5	34.08	17.61	2.07	29.88			P	H
		328.7	28.26	-17.74	46	35.24	19.67	3.16	29.81			P	H
	★	568.1	27.48	-18.52	46	26.97	26.1	4.12	29.71			P	H
	★	746.6	30.48	-15.52	46	26.95	28.27	4.72	29.46			P	H
	*	927.475	119.06	-	-	113.04	29.49	5.23	28.7	156	202	P	H
													H
													H
													H
													H
													H
	★	30.54	31.02	-8.98	40	36.7	23.66	0.64	29.98			P	V
	★	39.45	25.74	-14.26	40	34.72	19.84	1.16	29.98			P	V
	★	77.52	22.22	-17.78	40	37.34	13.22	1.59	29.93			P	V
		324.5	22.28	-23.72	46	29.42	19.53	3.14	29.81			P	V
	★	577.2	28.51	-17.49	46	28.24	25.84	4.16	29.73			P	V
	★	738.9	29.88	-16.12	46	26.73	27.94	4.68	29.47			P	V
	*	927.475	115.05	-	-	109.03	29.49	5.23	28.7	155	19	P	V
													V
													V
													V
													V
													V
													V
													V
Remark	4. No other spurious found. 5. All results are PASS against limit line. 6. Non restricted band limit is radio frequency level down 20db												



(Harmonic @ 3m)

	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
902.525MHz z	★	2707.575	38.87	-35.13	74	56.15	32.3	9.5	59.08			P	H
	★	3610.1	39.25	-34.75	74	54.44	33.14	10.88	59.21			P	H
	★	4512.625	41.74	-32.26	74	54.38	34	12.37	59.01			P	H
	★	5415.15	40.9	-33.1	74	50.36	34.63	13.27	57.36			P	H
	★	8122.725	41.27	-32.73	74	46.48	35.9	16.56	57.67			P	H
	★	9025.25	43	-31	74	47.71	36.2	17.75	58.66			P	H
	★	2707.575	38.93	-35.07	74	56.21	32.3	9.5	59.08			P	V
	★	3610.1	39.85	-34.15	74	55.04	33.14	10.88	59.21			P	V
	★	4512.625	42.21	-31.79	74	54.85	34	12.37	59.01			P	V
	★	5415.15	40.82	-33.18	74	50.28	34.63	13.27	57.36			P	V
	★	8122.725	41.95	-32.05	74	47.16	35.9	16.56	57.67			P	V
	★	9025.25	42.85	-31.15	74	47.56	36.2	17.75	58.66			P	V



	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
915.025MHz z	★	2745.075	38.9	-35.1	74	56.03	32.35	9.61	59.09			P	H
	★	3660.1	40.09	-33.91	74	55.06	33.26	10.99	59.22			P	H
	★	4575.125	41.34	-32.66	74	53.68	34.05	12.49	58.88			P	H
	★	7320.2	42.46	-31.54	74	49.05	35.7	15.41	57.7			P	H
	★	8235.225	41.73	-32.27	74	46.99	35.83	16.55	57.64			P	H
	★	9150.25	42.7	-31.3	74	47.39	36.3	18.03	59.02			P	H
	★	2745.075	40.19	-33.81	74	57.32	32.35	9.61	59.09			P	V
	★	3660.1	39.34	-34.66	74	54.31	33.26	10.99	59.22			P	V
	★	4575.125	41.12	-32.88	74	53.46	34.05	12.49	58.88			P	V
	★	7320.2	41.72	-32.28	74	48.31	35.7	15.41	57.7			P	V
	★	8235.225	41.17	-32.83	74	46.43	35.83	16.55	57.64			P	V
	★	9150.25	43.79	-30.21	74	48.48	36.3	18.03	59.02			P	V



	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
927.475MHz z	★	2782.425	40.19	-33.81	74	57.05	32.52	9.72	59.1			P	H
	★	3709.9	39.98	-34.02	74	54.99	33.12	11.1	59.23			P	H
	★	4637.375	40.33	-33.67	74	52.34	34.17	12.57	58.75			P	H
	★	7419.8	41.47	-32.53	74	48.15	35.7	15.49	57.87			P	H
	★	8347.275	41.75	-32.25	74	46.97	35.89	16.51	57.62			P	H
												P	H
	★	2782.425	39.23	-34.77	74	56.09	32.52	9.72	59.1			P	V
	★	3709.9	39.76	-34.24	74	54.77	33.12	11.1	59.23			P	V
	★	4637.375	41.5	-32.5	74	53.51	34.17	12.57	58.75			P	V
	★	7419.8	41.71	-32.29	74	48.39	35.7	15.49	57.87			P	V
	★	8347.275	41.81	-32.19	74	47.03	35.89	16.51	57.62			P	V
Remark	4. No other spurious found. 5. All results are PASS against Peak and Average limit line. 6. Non restricted band limit is radio frequency level down 20db												



(LF @ 3m)

<Base station>

	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
902.525MHz	★	30	22.85	-17.15	40	28.57	23.68	0.58	29.98			P	H
		65.91	22.49	-17.51	40	38.88	12.07	1.46	29.92			P	H
		91.02	23.79	-19.71	43.5	37.07	14.93	1.71	29.92			P	H
		312.6	33.75	-12.25	46	41.16	19.32	3.09	29.82			P	H
	★	590.5	29.23	-16.77	46	29.03	25.74	4.21	29.75			P	H
	*	902.525	119.28	-	-	113.96	28.96	5.14	28.78	155	360	P	H
	★	998.6	34.99	-19.01	54	27.36	30.31	5.49	28.17			P	H
													H
													H
													H
													H
													H
	★	30.27	32.66	-7.34	40	38.36	23.67	0.61	29.98			P	V
		47.82	30.68	-9.32	40	43.93	15.44	1.26	29.95			P	V
		91.56	30.11	-13.39	43.5	43.34	14.98	1.71	29.92			P	V
		311.2	23.22	-22.78	46	30.65	19.31	3.08	29.82			P	V
	★	549.9	27.66	-18.34	46	28.14	25.15	4.05	29.68			P	V
	*	902.525	114.96	-	-	109.64	28.96	5.14	28.78	100	116	P	V
	★	993.7	36.63	-17.37	54	28.87	30.5	5.48	28.22			P	V
													V
													V
													V
													V
													V



	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
915.025MHz	★	30	30.07	-9.93	40	35.79	23.68	0.58	29.98			P	H
		42.15	26.22	-13.78	40	36.57	18.43	1.2	29.98			P	H
		91.02	27.48	-16.02	43.5	40.76	14.93	1.71	29.92			P	H
		309.8	34.71	-11.29	46	42.13	19.32	3.08	29.82			P	H
	★	587.7	28.03	-17.97	46	27.84	25.74	4.2	29.75			P	H
	*	915.025	118.02	-	-	112.49	29.08	5.19	28.74	152	360	P	H
	★	972.7	35.8	-18.2	54	27.88	30.93	5.4	28.41			P	H
													H
													H
													H
													H
													H
	★	30	32.1	-7.9	40	37.82	23.68	0.58	29.98			P	V
		91.29	28.82	-14.68	43.5	42.07	14.96	1.71	29.92			P	V
		205.23	22.57	-20.93	43.5	34.69	15.17	2.54	29.83			P	V
		330.1	22.54	-23.46	46	29.48	19.7	3.17	29.81			P	V
		485.5	29.22	-16.78	46	31.53	23.68	3.81	29.8			P	V
	*	915.025	113.9	-	-	108.37	29.08	5.19	28.74	112	108	P	V
	★	997.9	35.09	-18.91	54	27.45	30.33	5.49	28.18			P	V
													V
													V
													V
													V
													V

[illegible]

**(Harmonic @ 3m)**

	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
902.525MHz z	★	2707.575	38.66	-35.34	74	55.94	32.3	9.5	59.08			P	H
	★	3610.1	40.59	-33.41	74	55.78	33.14	10.88	59.21			P	H
	★	4512.625	42.32	-31.68	74	54.96	34	12.37	59.01			P	H
	★	5415.15	41.03	-32.97	74	50.49	34.63	13.27	57.36			P	H
	★	8122.725	42.83	-31.17	74	48.04	35.9	16.56	57.67			P	H
	★	9025.25	43.51	-30.49	74	48.22	36.2	17.75	58.66			P	H
	★	2707.575	38.87	-35.13	74	56.15	32.3	9.5	59.08			P	V
	★	3610.1	41.91	-32.09	74	57.1	33.14	10.88	59.21			P	V
	★	4512.625	42.79	-31.21	74	55.43	34	12.37	59.01			P	V
	★	5415.15	40.75	-33.25	74	50.21	34.63	13.27	57.36			P	V
	★	8122.725	41.99	-32.01	74	47.2	35.9	16.56	57.67			P	V
	★	9025.25	42.98	-31.02	74	47.69	36.2	17.75	58.66			P	V



	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
915.025MHz z	★	2745.075	39.74	-34.26	74	56.87	32.35	9.61	59.09			P	H
	★	3660.1	40.95	-33.05	74	55.92	33.26	10.99	59.22			P	H
	★	4575.125	42.41	-31.59	74	54.75	34.05	12.49	58.88			P	H
	★	7320.2	43.3	-30.7	74	49.89	35.7	15.41	57.7			P	H
	★	8235.225	42.09	-31.91	74	47.35	35.83	16.55	57.64			P	H
	★	9150.25	43.77	-30.23	74	48.46	36.3	18.03	59.02			P	H
	★	2745.075	39.6	-34.4	74	56.73	32.35	9.61	59.09			P	V
	★	3660.1	41.19	-32.81	74	56.16	33.26	10.99	59.22			P	V
	★	4575.125	42.21	-31.79	74	54.55	34.05	12.49	58.88			P	V
	★	7320.2	42.38	-31.62	74	48.97	35.7	15.41	57.7			P	V
	★	8235.225	41.7	-32.3	74	46.96	35.83	16.55	57.64			P	V
	★	9150.25	43.32	-30.68	74	48.01	36.3	18.03	59.02			P	V

	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
927.475MHz z	★	2782.425	39.86	-34.14	74	56.72	32.52	9.72	59.1			P	H
	★	3709.9	39.88	-34.12	74	54.89	33.12	11.1	59.23			P	H
	★	4637.375	42.4	-31.6	74	54.41	34.17	12.57	58.75			P	H
	★	7419.8	42.3	-31.7	74	48.98	35.7	15.49	57.87			P	H
	★	8347.275	42.26	-31.74	74	47.48	35.89	16.51	57.62			P	H
												P	H
	★	2782.425	39.73	-34.27	74	56.59	32.52	9.72	59.1			P	V
	★	3709.9	40.43	-33.57	74	55.44	33.12	11.1	59.23			P	V
	★	4637.375	42.25	-31.75	74	54.26	34.17	12.57	58.75			P	V
	★	7419.8	41.55	-32.45	74	48.23	35.7	15.49	57.87			P	V
	★	8347.275	43	-31	74	48.22	35.89	16.51	57.62			P	V
Remark	7. No other spurious found. 8. All results are PASS against Peak and Average limit line. 9. Non restricted band limit is radio frequency level down 20db												

Note symbol

*	Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
★	The points with "★ " means the noise floor, the others are spurious by EUT
!	Test result is over limit line.
P/A	Peak or Average
H/V	Horizontal or Vertical

A calculation example for radiated spurious emission is shown as below:

BLE	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
BLE CH 00 2402MHz		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

$$1. \text{ Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)}$$

$$2. \text{ Level(dBμV/m) =}$$

$$\text{Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)}$$

$$3. \text{ Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)}$$

For Peak Limit @ 2390MHz:

$$1. \text{ Level(dBμV/m)}$$

$$= \text{Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)}$$

$$= 32.22(\text{dB/m}) + 4.58(\text{dB}) + 54.51(\text{dBμV}) - 35.86(\text{dB})$$

$$= 55.45(\text{dBμV/m})$$

$$2. \text{ Over Limit(dB)}$$

$$= \text{Level(dBμV/m) – Limit Line(dBμV/m)}$$

$$= 55.45(\text{dBμV/m}) - 74(\text{dBμV/m})$$

$$= -18.55(\text{dB})$$

For Average Limit @ 2390MHz:

$$1. \text{ Level(dBμV/m)}$$

$$= \text{Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)}$$

$$= 32.22(\text{dB/m}) + 4.58(\text{dB}) + 42.6(\text{dBμV}) - 35.86(\text{dB})$$

$$= 43.54(\text{dBμV/m})$$

$$2. \text{ Over Limit(dB)}$$

$$= \text{Level(dBμV/m) – Limit Line(dBμV/m)}$$

$$= 43.54(\text{dBμV/m}) - 54(\text{dBμV/m})$$

$$= -10.46(\text{dB})$$

Both peak and average measured complies with the limit line, so test result is “PASS”.

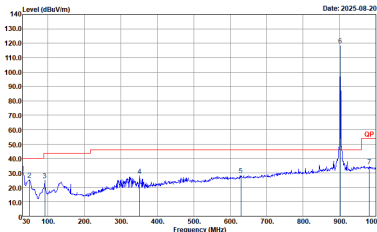
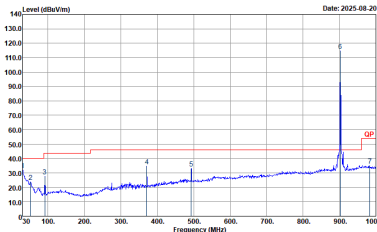
Appendix C. Radiated Spurious Emission Plots

Note symbol

-L	Low channel location
-R	High channel location

(LF @ 3m)

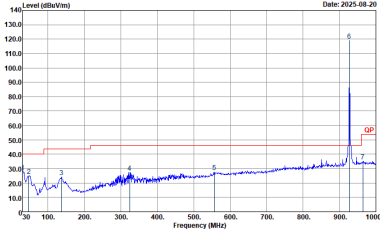
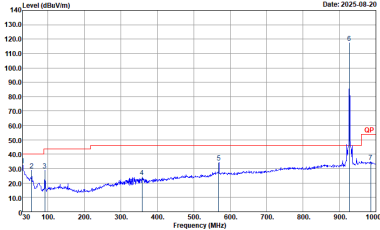
<1-Way-callbox>

ANT	902.525MHz	
1	Horizontal	Vertical
QP / Peak	 Site : 03CH07-HY Condition : QP 3m (F-ANT-35419(6))_H HORIZONTAL Detector : Peak Project : 572303 Mode : 1	 Site : 03CH07-HY Condition : QP 3m (F-ANT-35419(6))_H VERTICAL Detector : Peak Project : 572303 Mode : 1



ANT	915.025MHz	
1	Horizontal	Vertical
QP / Peak	Level (dBuV/m) Date: 2025-08-20 Site : 03CM07-011 Condition : QP 3m LF-ANT-35419(6)_H HORIZONTAL Detector : Peak Project : 572303 Mode : 2	Level (dBuV/m) Date: 2025-08-20 Site : 03CM07-011 Condition : QP 3m LF-ANT-35419(6)_H VERTICAL Detector : Peak Project : 572303 Mode : 2



ANT	927.475MHz	
1	Horizontal	Vertical
QP / Peak	 Site : E3CH07-R1 Condition : QP 3m LF-ANT-35419(6)_H HORIZONTAL Detector : Peak Project : 572303 Mode : 3	 Site : E3CH07-R1 Condition : QP 3m LF-ANT-35419(6)_H VERTICAL Detector : Peak Project : 572303 Mode : 3



(Harmonic @ 3m)

ANT	902.525MHz	
1	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2025-08-20 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 572303 Mode : 1	Level (dBuV/m) Date: 2025-08-20 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 572303 Mode : 1



ANT	915.025MHz	
1	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2025-08-20 Frequency (MHz) Site : 18CH027-RF Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 572303 Mode : 2	Level (dBuV/m) Date: 2025-08-20 Frequency (MHz) Site : 18CH027-RF Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 572303 Mode : 2



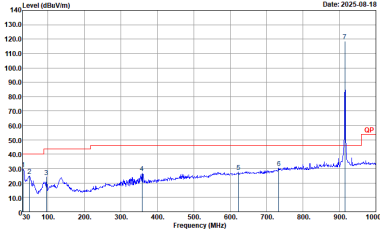
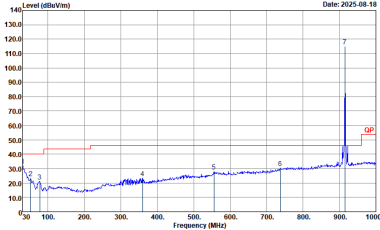
ANT	927.475MHz	
1	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2025-08-20 Site : E8C9B27-RF Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 572303 Mode : 3	Level (dBuV/m) Date: 2025-08-20 Site : E8C9B27-RF Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 572303 Mode : 3

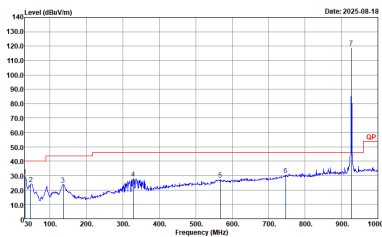
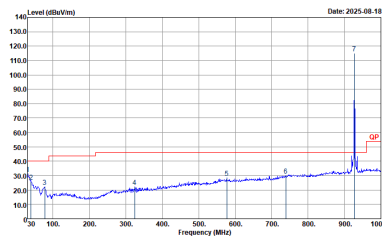


<2-Way-callbox>

ANT	902.525MHz	
1	Horizontal	Vertical
QP / Peak	Level (dBuV/m) Date: 2025-08-18 Site : 63CM07-011 Condition : QP 3m LF-ANT-35419(6)_H HORIZONTAL Detector : Peak Project : 572303 Mode : 4	Level (dBuV/m) Date: 2025-08-18 Site : 63CM07-011 Condition : QP 3m LF-ANT-35419(6)_H VERTICAL Detector : Peak Project : 572303 Mode : 4



ANT	915.025MHz	
1	Horizontal	Vertical
QP / Peak	 Site : E3CH07-R1 Condition : QP 3m LF-ANT-35419(6)_H HORIZONTAL Detector : Peak Project : 572303 Mode : S	 Site : E3CH07-R1 Condition : QP 3m LF-ANT-35419(6)_H VERTICAL Detector : Peak Project : 572303 Mode : S

ANT	927.475MHz	
1	Horizontal	Vertical
QP / Peak	 Site : 63CH07-R1 Condition : QP 3m LF-ANT-35419(6)_H HORIZONTAL Detector : Peak Project : 572303 Mode : 6	 Site : 63CH07-R1 Condition : QP 3m LF-ANT-35419(6)_H VERTICAL Detector : Peak Project : 572303 Mode : 6



(Harmonic @ 3m)

ANT	902.525MHz	
1	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2025-08-20 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 572303 Mode : 4	Level (dBuV/m) Date: 2025-08-20 Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 572303 Mode : 4

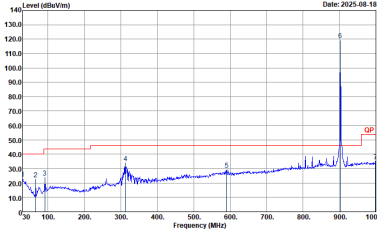
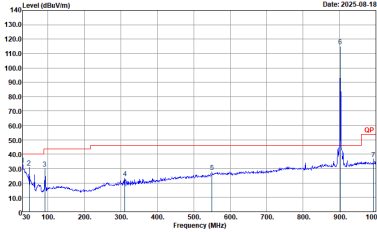


ANT	915.025MHz	
1	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2025-08-18 Frequency (MHz) Site : E8C9B27-RF Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 572303 Mode : 5	Level (dBuV/m) Date: 2025-08-18 Frequency (MHz) Site : E8C9B27-RF Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 572303 Mode : 5

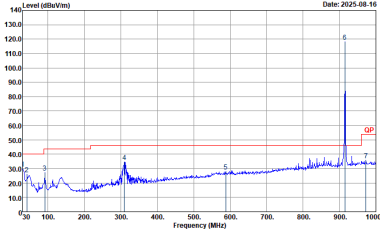
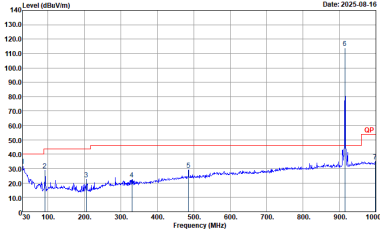


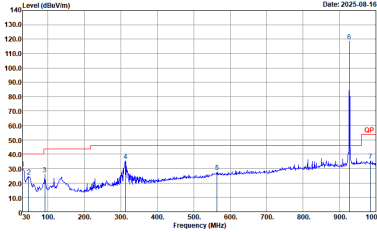
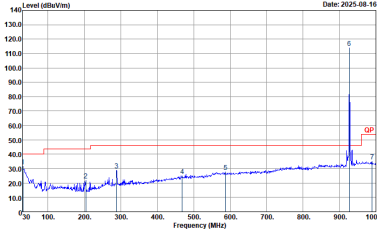
ANT	927.475MHz	
1	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2025-08-18 Frequency (MHz) Site : E8C9B27-RF Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 572303 Mode : 6	Level (dBuV/m) Date: 2025-08-18 Frequency (MHz) Site : E8C9B27-RF Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 572303 Mode : 6

<Base station>

ANT	902.525MHz	
1	Horizontal	Vertical
QP / Peak	 Site : 03CM07-R1 Condition : QP 3m LF-ANT-35419(6)_H HORIZONTAL Detector : Peak Project : 572303 Mode : 7	 Site : 03CM07-R1 Condition : QP 3m LF-ANT-35419(6)_H VERTICAL Detector : Peak Project : 572303 Mode : 7



ANT	915.025MHz	
1	Horizontal	Vertical
QP / Peak	 Site : E3CH07-R1 Condition : QP 3m LF-ANT-35419(6)_H HORIZONTAL Detector : Peak Project : 572303 Mode : 8	 Site : E3CH07-R1 Condition : QP 3m LF-ANT-35419(6)_H VERTICAL Detector : Peak Project : 572303 Mode : 8

ANT	927.475MHz	
1	Horizontal	Vertical
QP / Peak	 Site : E3CM07-R1 Condition : QP 3m LF-ANT-35419(6)_H HORIZONTAL Detector : Peak Project : 572303 Mode : 9	 Site : E3CM07-R1 Condition : QP 3m LF-ANT-35419(6)_H VERTICAL Detector : Peak Project : 572303 Mode : 9



(Harmonic @ 3m)

ANT	902.525MHz	
1	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) 140 130.0 120.0 110.0 100.0 90.0 80.0 70.0 60.0 50.0 40.0 30.0 20.0 10.0 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 Frequency (MHz) 03CH07-HY PEAK_74 3m HF_ANT_00075962 HORIZONTAL 1 Peak 572303 7	Level (dBuV/m) 140 130.0 120.0 110.0 100.0 90.0 80.0 70.0 60.0 50.0 40.0 30.0 20.0 10.0 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 Frequency (MHz) 03CH07-HY PEAK_74 3m HF_ANT_00075962 VERTICAL 1 Peak 572303 7



ANT	915.025MHz	
1	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2025-08-18 Frequency (MHz) Site : EDCHE7-RF Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 572303 Mode : 8	Level (dBuV/m) Date: 2025-08-18 Frequency (MHz) Site : EDCHE7-RF Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 572303 Mode : 8



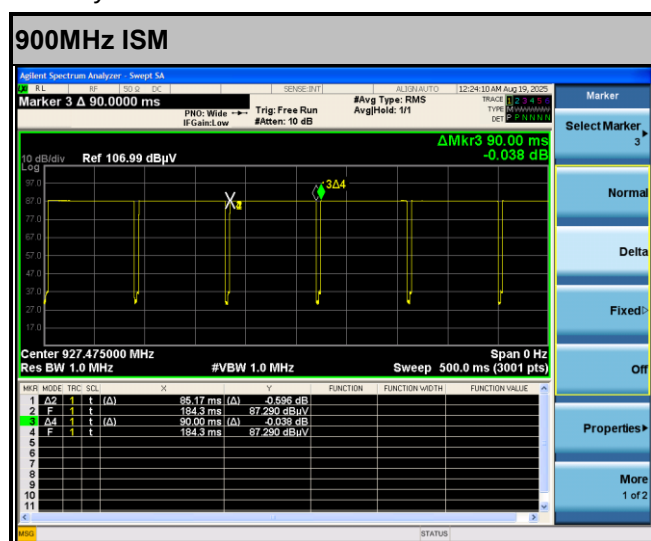
ANT	927.475MHz	
1	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2025-08-18 Frequency (MHz) Site : E8C9B27-RF Condition : PEAK_74 3m HF_ANT_00075962 HORIZONTAL Detector : Peak Project : 572303 Mode : 9	Level (dBuV/m) Date: 2025-08-18 Frequency (MHz) Site : E8C9B27-RF Condition : PEAK_74 3m HF_ANT_00075962 VERTICAL Detector : Peak Project : 572303 Mode : 9



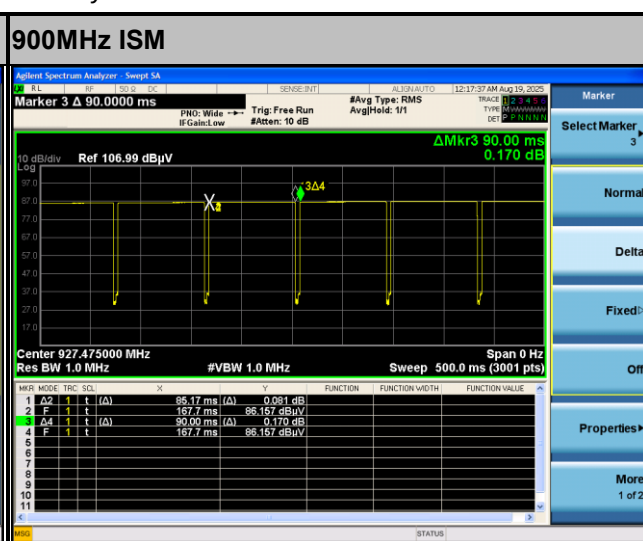
Appendix D. Duty Cycle Plots

Sku	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
1 Way callbox	900MHz ISM	94.63	85170	0.01	30Hz
2 Way call box	900MHz ISM	94.63	85170	0.01	30Hz
Base station	900MHz ISM	94.63	85170	0.01	30Hz

<1 Way callbox >



<2 Way call box >



<Base station>

