

TEST REPORT

Application No.: SZCR2508003824AT
Applicant: Ecolab Inc.
Address of Applicant: 1 Ecolab Place St Paul Minnesota 55102 United States
Manufacturer: Aviton Care Limited
Address of Manufacturer: Flat H,J,K, 12/F., World Tech Centre, 95 How Ming Street, Kwun Tong, Kowloon, Hong Kong
Factory: Musical (Qingyuan) Electronics Limited
Address of Factory: Qing Xin County, Tai He Industrial Park, 511850 Qing Yuan, Guangdong, PEOPLE'S OF CHINA.

Equipment Under Test (EUT):

EUT Name: Ultra Manual Dispenser Beacon
Model No.: 53006207
Trade Mark: Ecolab
FCC ID: Z9O-53006207
Standard(s) : 47 CFR Part 15, Subpart C 15.247
Date of Receipt: 2025-08-29
Date of Test: 2025-09-10 to 2025-09-28
Date of Issue: 2025-10-22

Test Result:	Pass*
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* In the configuration tested, the EUT complied with the standards specified above.

Kenxu

Kenxu
EMC Laboratory Manager



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch EMC Laboratory

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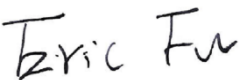
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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2025-10-22		Original

Authorized for issue by:				
				
		Leo Lai/Project Engineer		
				
		Eric Fu/Reviewer		



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2 Test Summary

Radio Spectrum Technical Requirement				
Item	Standard	Method	Requirement	Result
Antenna Requirement	47 CFR Part 15, Subpart C 15.247	N/A	47 CFR Part 15, Subpart C 15.203 & 15.247(b)(4)	Pass

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
Radiated Spurious Emissions Below 1GHz		ANSI C63.10 (2020) Section 6.4,6.5	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass
Radiated Spurious Emissions Above 1GHz		ANSI C63.10 (2020) Section 6.6	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass
Conducted Peak Output Power		ANSI C63.10 (2020) Section 7.8.5	47 CFR Part 15, Subpart C 15.247(b)(2)	Pass
20dB Bandwidth		ANSI C63.10 (2020) Section 6.9.2	47 CFR Part 15, Subpart C 15.247(a)(1)	Pass
Carrier Frequencies Separation		ANSI C63.10 (2020) Section 7.8.2	47 CFR Part 15, Subpart C 15.247a(1)	Pass
Hopping Channel Number		ANSI C63.10 (2020) Section 7.8.3	47 CFR Part 15, Subpart C 15.247a(1)(i)	Pass
Dwell Time		ANSI C63.10 (2020) Section 7.8.4	47 CFR Part 15, Subpart C 15.247a(1)(i)	Pass
Conducted Band Edges Measurement		ANSI C63.10 (2020) Section 7.8.7.2	47 CFR Part 15, Subpart C 15.247(d)	Pass
Conducted Spurious Emissions		ANSI C63.10 (2020) Section 7.8.7	47 CFR Part 15, Subpart C 15.247(d)	Pass



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4 General Information

4.1 Details of E.U.T.

Power supply:	DC 3.0V (2*1.5V AA Batteries)
Cable Loss:	0.5dBi
For 902MHz to 928MHz:	
Operation Frequency:	913.75MHz to 916.3MHz
Modulation Type:	2-FSK (Two Tone Frequency Shift Keying)
Channel Spacing:	50kHz
Number of Channels:	50
Antenna Type:	Ceramic Chip Antenna
Antenna Gain:	-1dBi

Remark: The information in this section is provided by the applicant or manufacturer, SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

Channel Number	Frequency (MHz)	Channel Index	Channel Number	Frequency (MHz)	Channel Index
1	913.75	20	27	915.05	34
2	913.8	7	28	915.1	3
3	913.85	1	29	915.15	35
4	913.9	48	30	915.2	32
5	913.95	11	31	915.25	Reserved
6	914	44	32	915.3	17
7	914.05	14	33	915.35	42
8	914.1	38	34	915.4	15
9	914.15	50	35	915.45	47
10	914.2	2	36	915.5	29
11	914.25	12	37	915.55	37
12	914.3	36	38	915.6	40
13	914.35	31	39	915.65	26
14	914.4	39	40	915.7	22
15	914.45	9	41	915.75	28
16	914.5	6	42	915.8	46
17	914.55	33	43	915.85	18
18	914.6	13	44	915.9	41
19	914.65	16	45	915.95	27
20	914.7	5	46	916	30
21	914.75	Reserved	47	916.05	24
22	914.8	49	48	916.1	43
23	914.85	10	49	916.15	21
24	914.9	23	50	916.2	4



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25	914.95	8	51	916.25	19
26	915	25	52	916.3	45

Remark: Frequency 913.75MHz, 915MHz and 916.3MHz were selected to conduct test in this report.

4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
--	--	--	--

The EUT has been tested as an independent unit.

4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
Radiated Spurious Emissions Below 1GHz	$\pm 6.0\text{dB}$ for 3m; $\pm 5.0\text{dB}$ for 10m
Radiated Spurious Emissions Above 1GHz	$\pm 4.6\text{dB}$ (1-18GHz); $\pm 4.8\text{dB}$ (18-40GHz)
Conducted Peak Output Power	$\pm 0.75\text{dB}$
20dB Bandwidth	$\pm 3\%$
Carrier Frequencies Separation	$\pm 7.25 \times 10^{-8}$
Hopping Channel Number	$\pm 7.25 \times 10^{-8}$
Dwell Time	$\pm 0.37\%$
Conducted Band Edges Measurement	$\pm 0.75\text{dB}$
Conducted Spurious Emissions	$\pm 0.75\text{dB}$

Remark:

The U_{lab} (lab Uncertainty) is less than $U_{\text{CISPR/ETSI}}$ (CISPR/ETSI Uncertainty), so the test results

- compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.



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4.4 Test Location

All tests were performed at:

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Tel: +86 755 2601 2053 Fax: +86 755 2671 0594

No tests were sub-contracted.

4.5 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

• A2LA (Certificate No. 3816.01)

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

• VCCI (Member No. 1937)

The 3m Fully-anechoic chamber for above 1GHz, 10m Semi-anechoic chamber for below 1GHz, Shielded Room for Mains Port Conducted Interference Measurement and Telecommunication Port Conducted Interference Measurement of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen EMC laboratory have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-20026, R-14188, C-12383 and T-11153 respectively.

• FCC –Designation Number: CN1336

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1336. Test Firm Registration Number: 787754.

• Innovation, Science and Economic Development Canada

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0006.

IC#: 4620C.

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None



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5 Equipment List

Radiated Spurious Emissions Below 1GHz					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Loop Antenna	ETS-Lindgren	6502	SEM003-08	2023-11-20	2025-11-19
3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2023-06-19	2026-06-18
MXE EMI Receiver	Agilent Technologies	N9038A	SEM004-15	2025-07-25	2026-07-24
BiConiLog Antenna	ETS-LINDGREN	3142C	SEM003-01	2025-08-29	2027-08-28
Pre-Amplifier	Agilent Technologies	8447D	SEM005-01	2025-03-04	2026-03-03
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM025-01	2025-07-05	2026-07-04

Radiated Spurious Emissions Above 1GHz					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
3m Fully-Anechoic Chamber	AUDIX	N/A	SEM001-02	2025-05-07	2028-05-06
Signal Analyzer	Rohde & Schwarz	FSV40	SEM008-04	2025-03-04	2026-03-03
Horn Antenna	Rohde&Schwarz	HF907	SEM003-07	2025-07-22	2026-07-21
Microwave system amplifier	Agilent	83017A	SEM005-25	2025-09-10	2026-09-09
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2025-07-05	2026-07-04
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	SEM003-15	2025-07-22	2027-07-21
Pre-Amplifier	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2025-03-21	2026-03-20

RF Conducted Test					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2025-07-24	2026-07-23
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2025-03-04	2026-03-03
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2025-07-05	2026-07-04
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2025-03-03	2026-03-02



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General used equipment					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Humidity/ Temperature Indicator	deli	8838	SEM002-32	2025-07-23	2026-07-22
Humidity/ Temperature Indicator	deli	8838	SEM002-33	2025-07-23	2026-07-22
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2025-03-03	2026-03-02



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6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203 & 15.247(b)(4)

6.1.2 Conclusion

Standard Requirement:

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

15.247(b) (4) requirement:

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

EUT Antenna:

The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is -1dBi

Antenna location: Refer to internal photo.



7 Radio Spectrum Matter Test Results

7.1 Radiated Spurious Emissions Below 1GHz

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209

Test Method: ANSI C63.10 (2020) Section 6.4,6.5

Measurement Distance: 3m

Limit:

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
960-1000	500	3

7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 23.2 °C

Humidity: 47.5 % RH

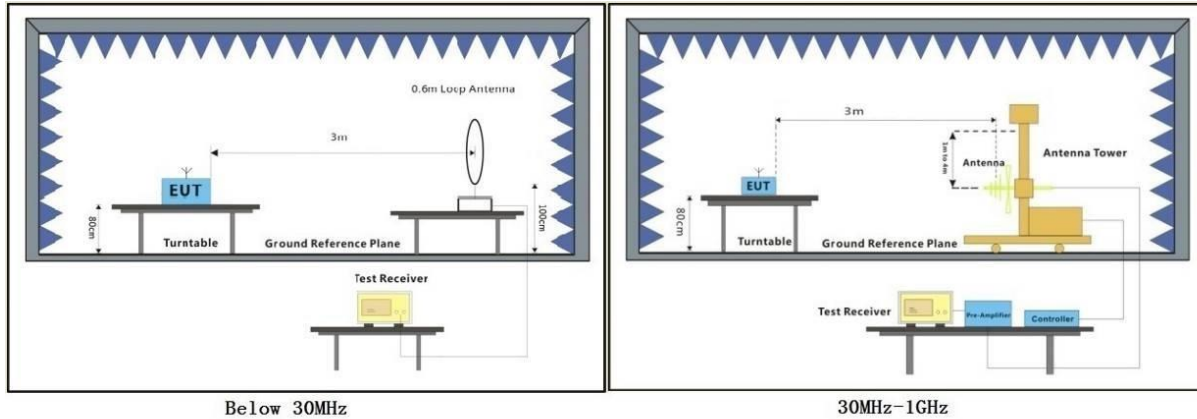
Atmospheric Pressure: 1020 mbar

7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX_non-Hop mode_Keep the EUT in continuously transmitting mode with 2-FSK modulation.



7.1.3 Test Setup Diagram



Below 30MHz

30MHz-1GHz



7.1.4 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using quasi-peak method as specified and then reported in a data sheet.
- g. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- i. Repeat above procedures until all frequencies measured was complete.

Remark:

1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor+ Aux Factor (if applicable)

The aux factor needs to be added for the frequency below 30MHz once a closer distance used.

Aux Factor = 40 dB/decade of distance, the aux factor is $40\log(3/300) = -80\text{dB}$ (for 3 meter test distance).

2. Scan from 9kHz to 30MHz, the disturbance below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed.

3. The disturbance below 1GHz was very low and the harmonics were the highest point could be found when testing, so only the worst-case test curve is displayed.

4. The highest point is the fundamental frequency of EUT for the test plot of 30M-1000MHz.

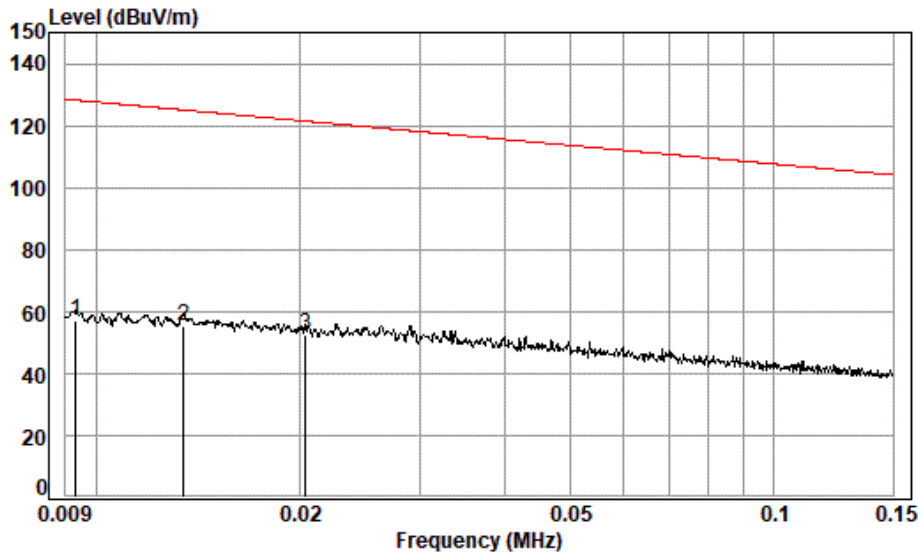


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Condition: 3m

Job No. : 03824AT/03825AT

Test Mode: 01

: coaxial

	Freq	Read Level	Ant Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	0.009	69.17	18.80	0.10	31.13	56.94	128.18	-71.24	Average
2	0.013	70.14	16.66	0.11	31.38	55.53	125.01	-69.48	Average
3 pp	0.020	70.62	13.69	0.11	31.67	52.75	121.42	-68.67	Average

Frequency (MHz)	Level @ 3m (dBuV/m)	Factor (dB)	Level @ 300m (dBuV/m)	Limit @ 300m (dBuV/m)	Over Limit (dB)
0.009	56.94	-80.00	-23.06	48.18	-71.24
0.013	55.53	-80.00	-24.47	45.01	-69.48
0.020	52.75	-80.00	-27.25	41.42	-68.67



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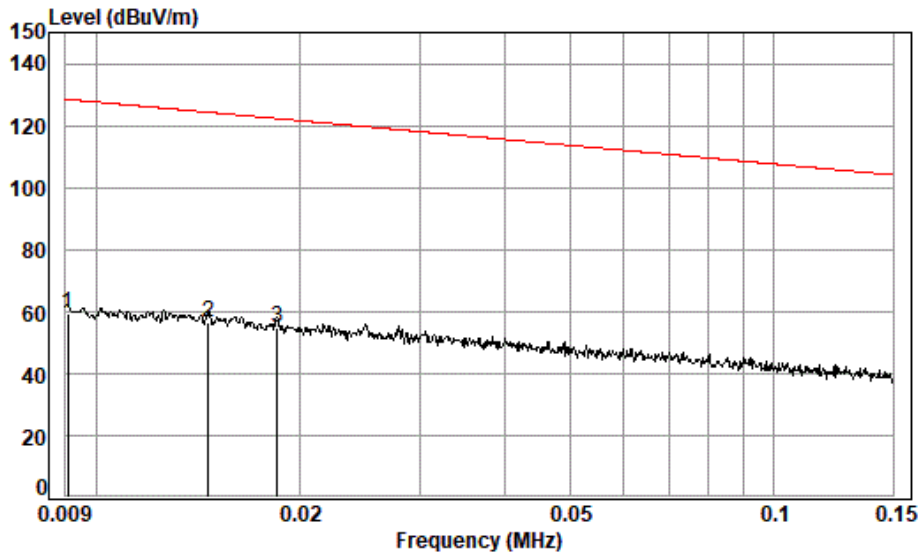
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Condition: 3m

Job No. : 03824AT/03825AT

Test Mode: 01

: coplanar

	Read	Ant	Cable	Preamp		Limit	Over	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	0.009	71.22	19.03	0.10	31.11	59.24	128.43	-69.19 Average
2	0.015	71.39	16.13	0.11	31.44	56.19	124.27	-68.08 Average
3 pp	0.018	71.89	14.42	0.11	31.60	54.82	122.25	-67.43 Average

Frequency (MHz)	Level @ 3m (dBuV/m)	Factor (dB)	Level @ 300m (dBuV/m)	Limit @ 300m (dBuV/m)	Over Limit (dB)
0.009	59.24	-80.00	-20.76	48.43	-69.19
0.015	56.19	-80.00	-23.81	44.27	-68.08
0.018	54.82	-80.00	-25.18	42.25	-67.43



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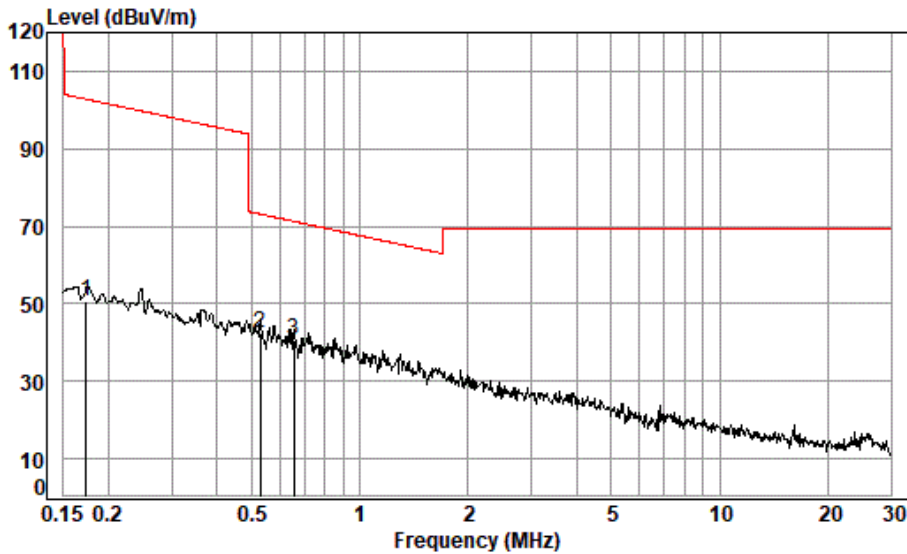
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Condition: 3m

Job No. : 03824AT/03825AT

Test Mode: 01

: coaxial

		Read	Ant	Cable	Preamp	Limit	Over	
	Freq	Level	Factor	Loss	Factor	Level	Line	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	av	0.174	72.59	10.48	0.16	32.40	50.83	102.79 -51.96 Average
2	pp	0.529	64.24	10.37	0.29	32.51	42.39	73.12 -30.73 QP
3		0.654	62.41	10.35	0.31	32.54	40.53	71.27 -30.74 QP

Frequency (MHz)	Level @ 3m (dBuV/m)	Factor (dB)	Level @300/30m (dBuV/m)	Limit @ 300/30m (dBuV/m)	Over Limit (dB)
0.174	50.83	-80.00	-29.17	22.79	-51.96
0.529	42.39	-40.00	2.39	33.12	-30.73
0.654	40.53	-40.00	0.53	31.27	-30.74



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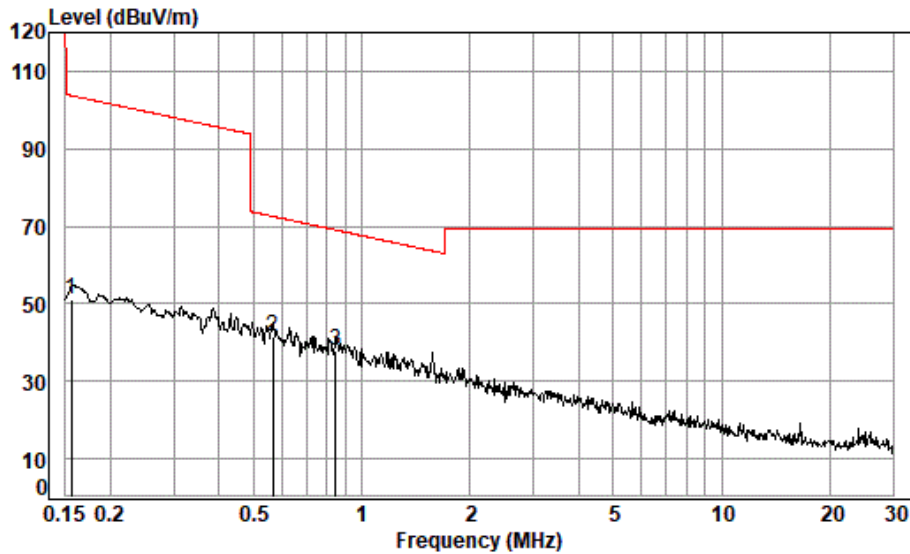
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Condition: 3m

Job No. : 03824AT/03825AT

Test Mode: 01

: coplanar

		Read	Ant	Cable	Preamp	Limit	Over	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 av	0.156	72.91	10.50	0.14	32.40	51.15	103.75	-52.60 Average
2 pp	0.567	63.48	10.36	0.29	32.52	41.61	72.52	-30.91 QP
3	0.844	59.92	10.35	0.34	32.58	38.03	69.05	-31.02 QP

Frequency (MHz)	Level @ 3m (dBuV/m)	Factor (dB)	Level @300/30m (dBuV/m)	Limit @ 300/30m (dBuV/m)	Over Limit (dB)
0.156	51.15	-80.00	-28.85	23.75	-52.60
0.567	41.61	-40.00	1.61	32.52	-30.91
0.844	38.03	-40.00	-1.97	29.05	-31.02



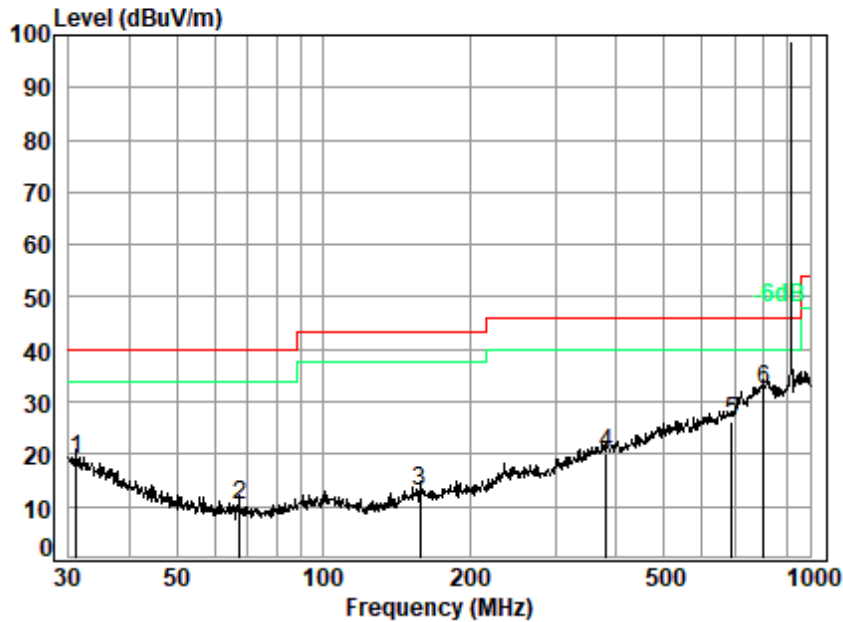
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Test Mode: 01

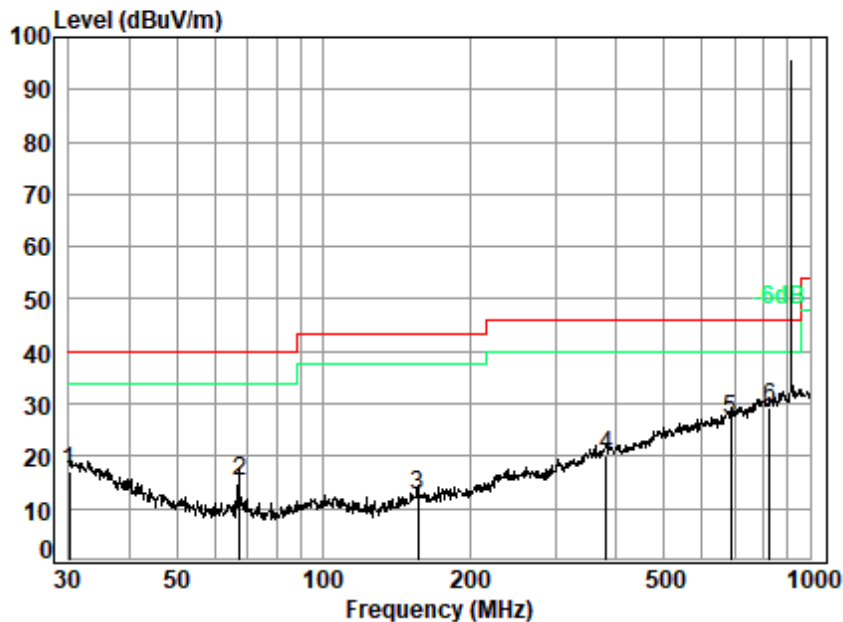


Site : chamber
Condition: 3m HORIZONTAL
Job No. : 03824AT/03825AT
Test Mode: 01
: 913

	Ant Freq	Cable Factor	Preamp Loss	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1	31.071	20.71	0.75	27.65	25.19	19.00	40.00	-21.00 QP
2	67.202	10.79	0.96	27.62	26.05	10.18	40.00	-29.82 QP
3	158.112	13.64	1.54	27.73	25.51	12.96	43.50	-30.54 QP
4	381.249	20.91	2.43	27.71	24.59	20.22	46.00	-25.78 QP
5	691.987	25.74	3.39	27.85	24.86	26.14	46.00	-19.86 QP
6 q	804.603	26.76	3.70	27.57	29.39	32.28	46.00	-13.72 QP



Test Mode: 01

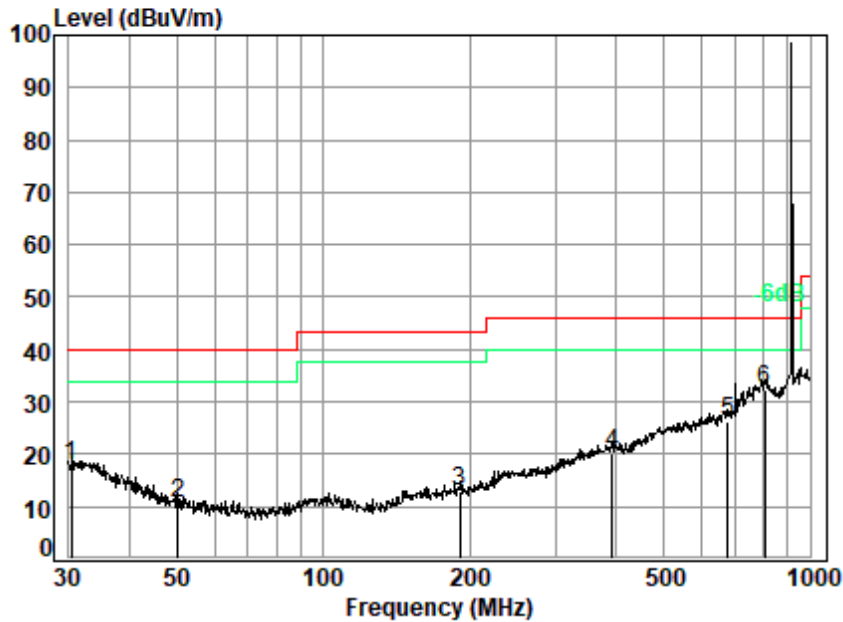


Site : chamber
Condition: 3m VERTICAL
Job No. : 03824AT/03825AT
Test Mode: 01
: 913

	Ant Freq	Cable Factor	Preamp Loss	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1	30.105	21.15	0.74	27.65	22.97	17.21	40.00	-22.79 QP
2	67.202	10.79	0.96	27.62	31.20	15.33	40.00	-24.67 QP
3	156.458	13.60	1.53	27.73	25.15	12.55	43.50	-30.95 QP
4	381.249	20.91	2.43	27.71	24.35	19.98	46.00	-26.02 QP
5	687.151	25.71	3.37	27.86	25.94	27.16	46.00	-18.84 QP
6 q	827.493	26.55	3.77	27.42	26.23	29.13	46.00	-16.87 QP



Test Mode: 01

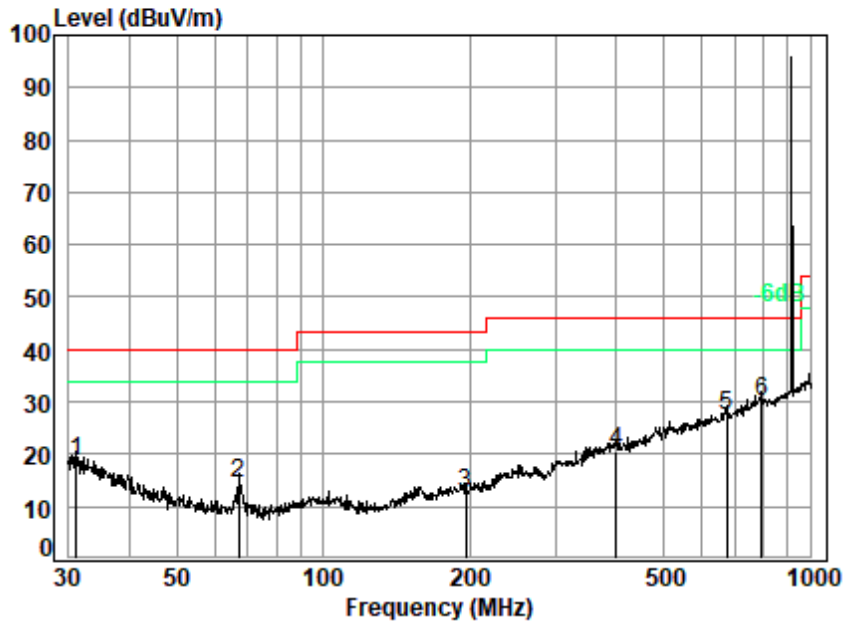


Site : chamber
Condition: 3m HORIZONTAL
Job No. : 03824AT/03825AT
Test Mode: 01
: 915

	Ant Freq	Cable Factor	Preamp Loss	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	30.424	21.00	0.74	27.65	23.79	17.88	40.00	-22.12 QP
2	50.232	12.72	0.90	27.63	24.59	10.58	40.00	-29.42 QP
3	191.074	14.28	1.67	27.79	24.77	12.93	43.50	-30.57 QP
4	392.095	20.73	2.46	27.73	24.66	20.12	46.00	-25.88 QP
5	677.580	25.78	3.34	27.89	25.16	26.39	46.00	-19.61 QP
6 q	807.429	26.75	3.71	27.55	29.43	32.34	46.00	-13.66 QP



Test Mode: 01

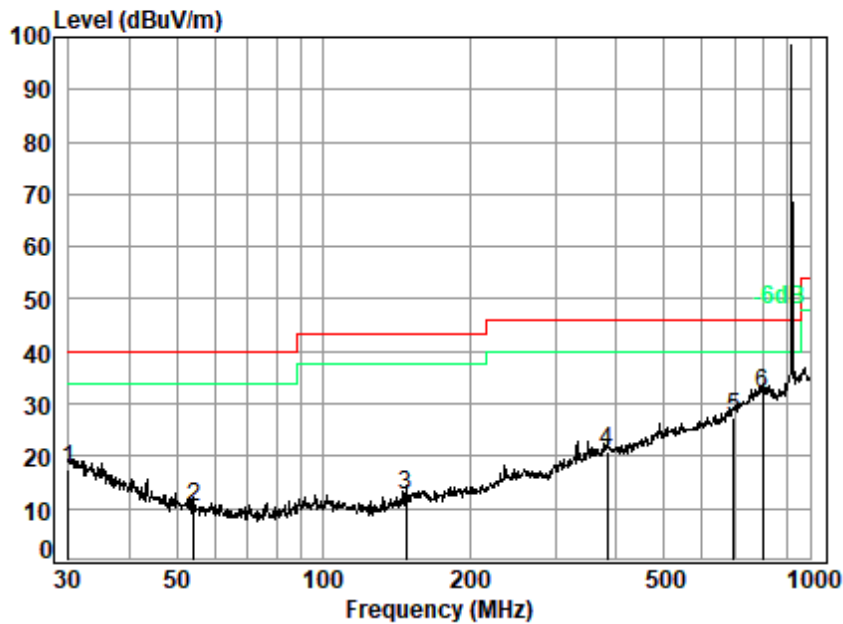


Site : chamber
Condition: 3m VERTICAL
Job No. : 03824AT/03825AT
Test Mode: 01
: 915

	Ant Freq	Cable Factor	Preamp Loss	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1	31.071	20.71	0.75	27.65	24.78	18.59	40.00	-21.41 QP
2	66.967	10.81	0.96	27.62	30.22	14.37	40.00	-25.63 QP
3	196.510	14.10	1.69	27.79	24.63	12.63	43.50	-30.87 QP
4	400.432	20.60	2.49	27.75	25.17	20.51	46.00	-25.49 QP
5	672.845	25.64	3.33	27.90	26.24	27.31	46.00	-18.69 QP
6 q	796.183	26.97	3.68	27.61	26.92	29.96	46.00	-16.04 QP



Test Mode: 01

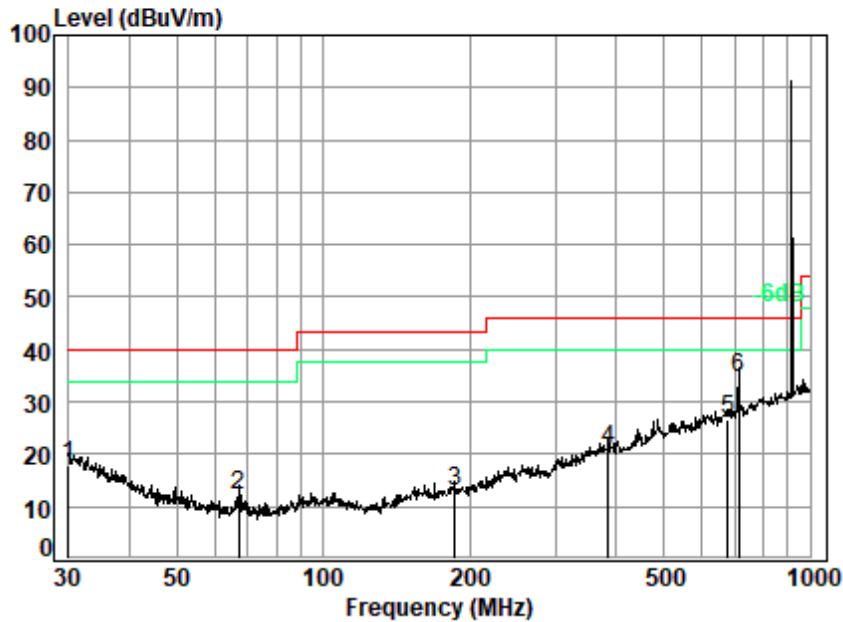


Site : chamber
Condition: 3m HORIZONTAL
Job No. : 03824AT/03825AT
Test Mode: 01
: 916

	Ant Freq	Cable Factor	Preamp Loss	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1	30.000	21.20	0.74	27.65	23.09	17.38	40.00	-22.62 QP
2	54.261	12.09	0.91	27.63	24.89	10.26	40.00	-29.74 QP
3	147.921	12.79	1.49	27.71	25.85	12.42	43.50	-31.08 QP
4	382.588	20.90	2.43	27.71	25.34	20.96	46.00	-25.04 QP
5	696.857	25.88	3.40	27.84	25.96	27.40	46.00	-18.60 QP
6 q	798.980	26.88	3.69	27.60	28.89	31.86	46.00	-14.14 QP



Test Mode: 01



Site : chamber
Condition: 3m VERTICAL
Job No. : 03824AT/03825AT
Test Mode: 01
: 916

	Ant Freq	Cable Factor	Preamp Loss	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1	30.000	21.20	0.74	27.65	23.77	18.06	40.00	-21.94 QP
2	66.967	10.81	0.96	27.62	27.91	12.06	40.00	-27.94 QP
3	186.441	14.30	1.65	27.78	24.81	12.98	43.50	-30.52 QP
4	385.281	20.89	2.44	27.72	25.30	20.91	46.00	-25.09 QP
5	677.580	25.78	3.34	27.89	25.28	26.51	46.00	-19.49 QP
6 q	714.173	26.14	3.45	27.80	32.81	34.60	46.00	-11.40 QP



7.2 Radiated Spurious Emissions Above 1GHz

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209

Test Method: ANSI C63.10 (2020) Section 6.6

Measurement Distance: 3m

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
Above 1000	500	3

7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 23.5 °C

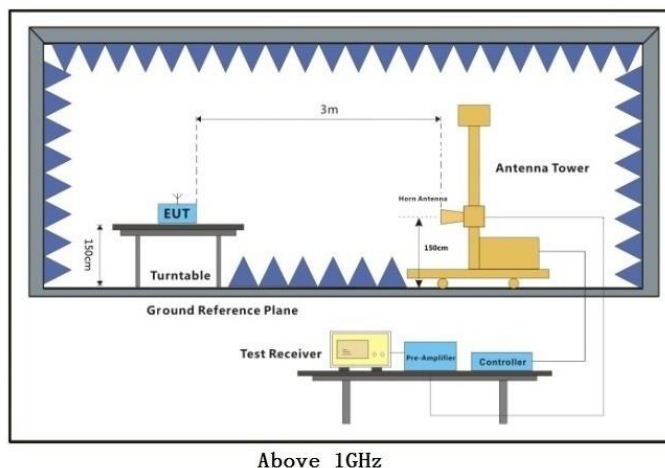
Humidity: 56.3 % RH

Atmospheric Pressure: 1020 mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX_non-Hop mode_Keep the EUT in continuously transmitting mode with 2-FSK modulation.

7.2.3 Test Setup Diagram



7.2.4 Measurement Procedure and Data

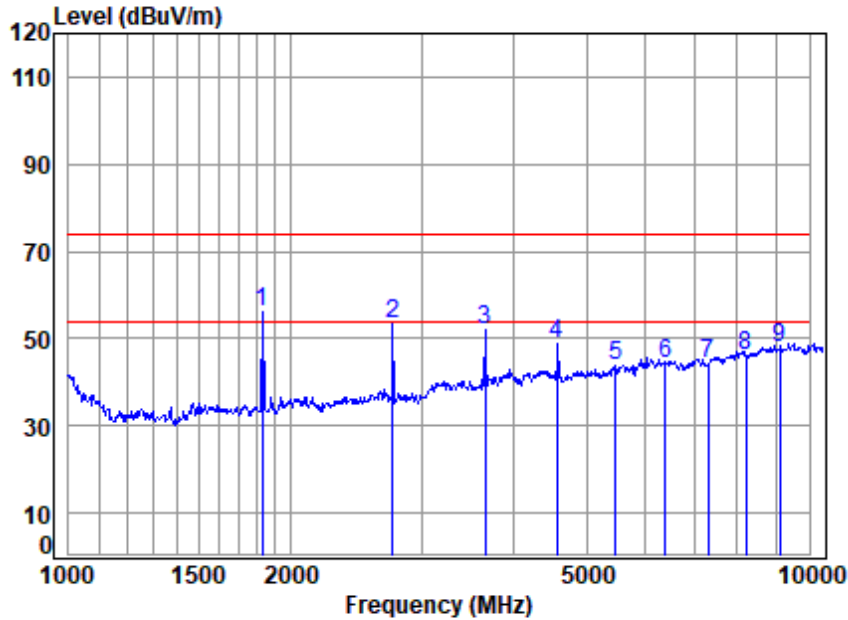
- a. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak or average method as specified and then reported in a data sheet.
- g. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- i. Repeat above procedures until all frequencies measured was complete.

Remark:

1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
2. Scan from 1GHz to 10GHz, the points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
3. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.
- 4: The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for Peak detection (PK) and Average detection (AV) at frequency above 1GHz.
- 5:For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geq 1/T$ (Duty cycle $\leq 98\%$) or 10Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1GHz.



Test Mode: 01; Polarity: Horizontal; Modulation: 2-FSK; Channel: Low

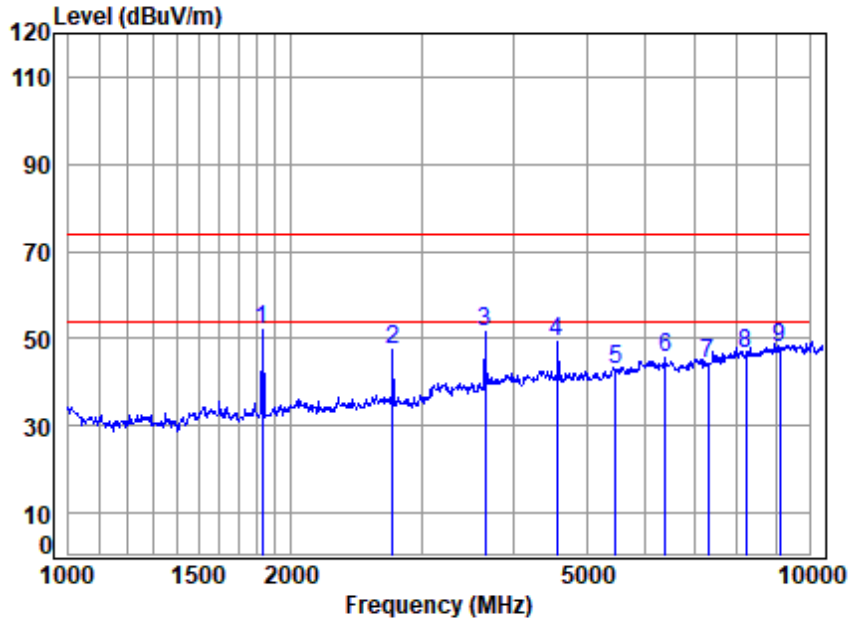


Site : chamber
Condition: 3m HORIZONTAL
Job No : 03824AT\03825AT
Mode : 913M RSE TX

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 p	1826.000	5.00	27.00	54.86	79.05	56.19	74.00	-17.81	Peak	0.00
2	2739.000	5.65	29.70	54.98	73.16	53.53	74.00	-20.47	Peak	0.00
3	3652.000	6.42	32.71	54.52	67.37	51.98	74.00	-22.02	Peak	0.00
4	4565.000	7.22	33.30	54.24	62.45	48.73	74.00	-25.27	Peak	0.00
5	5478.000	8.13	34.59	53.65	54.52	43.59	74.00	-30.41	Peak	0.00
6	6391.000	8.89	35.15	53.14	53.30	44.20	74.00	-29.80	Peak	0.00
7	7304.000	8.47	35.70	53.17	53.38	44.38	74.00	-29.62	Peak	0.00
8	8217.000	9.30	36.63	53.21	53.51	46.23	74.00	-27.77	Peak	0.00
9	9130.000	10.64	37.00	53.55	53.86	47.95	74.00	-26.05	Peak	0.00



Test Mode: 01; Polarity: Vertical; Modulation:2-FSK; Channel:Low

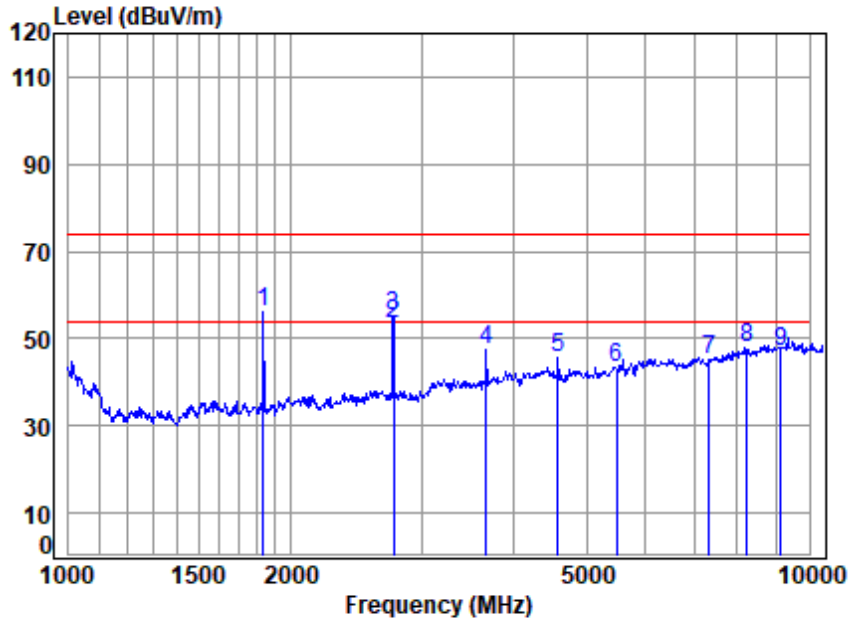


Site : chamber
Condition: 3m VERTICAL
Job No : 03824AT\03825AT
Mode : 913M RSE TX

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 p	1826.000	5.00	27.00	54.86	74.96	52.10	74.00	-21.90	Peak	0.00
2	2739.000	5.65	29.70	54.98	66.88	47.25	74.00	-26.75	Peak	0.00
3	3652.000	6.42	32.71	54.52	66.81	51.42	74.00	-22.58	Peak	0.00
4	4565.000	7.22	33.30	54.24	62.89	49.17	74.00	-24.83	Peak	0.00
5	5478.000	8.13	34.59	53.65	54.01	43.08	74.00	-30.92	Peak	0.00
6	6391.000	8.89	35.15	53.14	54.61	45.51	74.00	-28.49	Peak	0.00
7	7304.000	8.47	35.70	53.17	53.19	44.19	74.00	-29.81	Peak	0.00
8	8217.000	9.30	36.63	53.21	53.95	46.67	74.00	-27.33	Peak	0.00
9	9130.000	10.64	37.00	53.55	53.82	47.91	74.00	-26.09	Peak	0.00



Test Mode: 01; Polarity: Horizontal; Modulation:2-FSK; Channel:middle

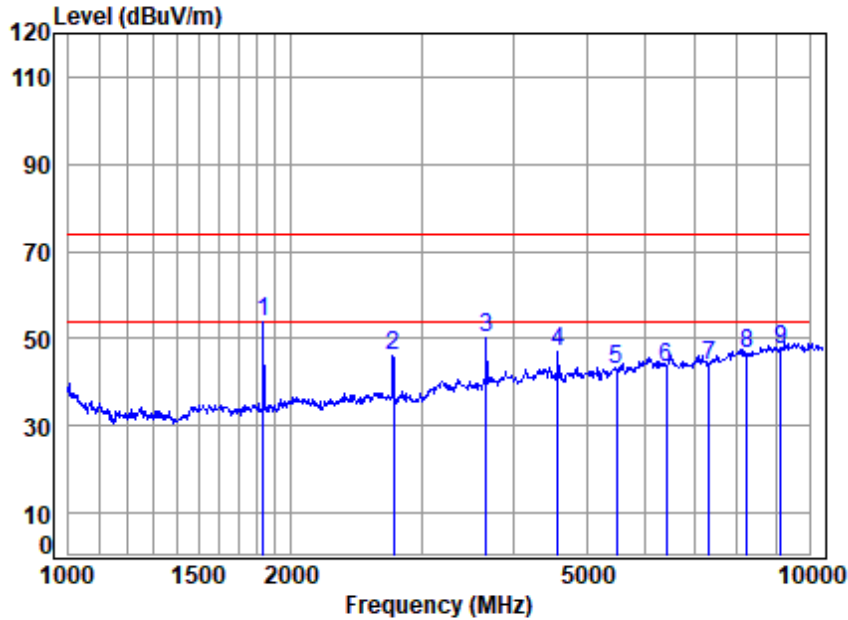


Site : chamber
Condition: 3m HORIZONTAL
Job No : 03824AT\03825AT
Mode : 915M RSE TX

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 p	1830.000	5.00	27.00	54.86	79.17	56.31	74.00	-17.69	Peak	0.00
2 q	2745.000	5.66	29.70	54.98	73.05	53.43	54.00	-0.57	Average	0.00
3	2745.000	5.66	29.70	54.98	74.75	55.13	74.00	-18.87	Peak	0.00
4	3660.000	6.43	32.76	54.52	62.71	47.38	74.00	-26.62	Peak	0.00
5	4575.000	7.23	33.30	54.24	59.40	45.69	74.00	-28.31	Peak	0.00
6	5490.000	8.15	34.54	53.64	54.17	43.22	74.00	-30.78	Peak	0.00
7	7320.000	8.46	35.70	53.17	54.35	45.34	74.00	-28.66	Peak	0.00
8	8235.000	9.32	36.67	53.22	54.95	47.72	74.00	-26.28	Peak	0.00
9	9150.000	10.65	37.00	53.54	52.78	46.89	74.00	-27.11	Peak	0.00



Test Mode: 01; Polarity: Vertical; Modulation: 2-FSK; Channel: middle

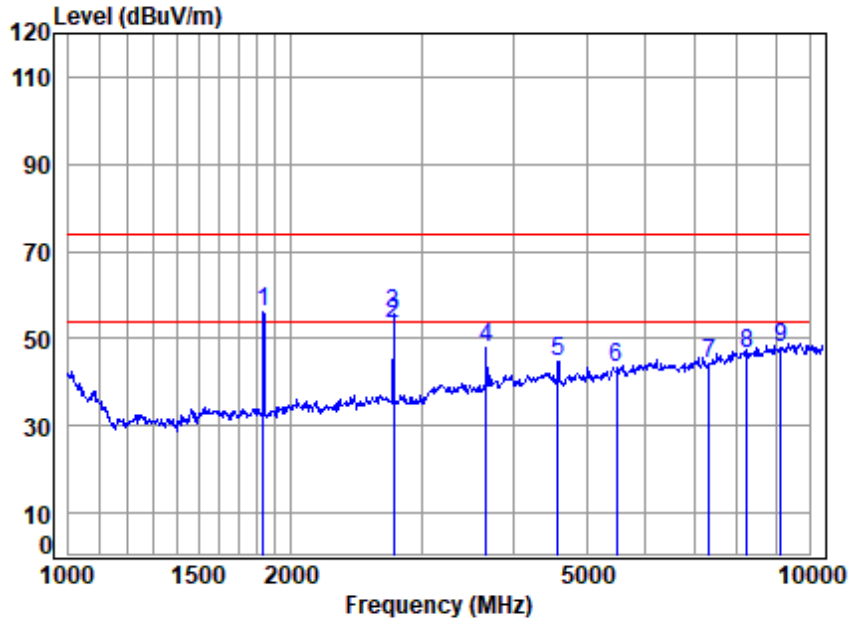


Site : chamber
Condition: 3m VERTICAL
Job No : 03824AT\03825AT
Mode : 915M RSE TX

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 p	1830.000	5.00	27.00	54.86	76.74	53.88	74.00	-20.12	Peak	0.00
2	2745.000	5.66	29.70	54.98	65.63	46.01	74.00	-27.99	Peak	0.00
3	3660.000	6.43	32.76	54.52	65.66	50.33	74.00	-23.67	Peak	0.00
4	4575.000	7.23	33.30	54.24	60.48	46.77	74.00	-27.23	Peak	0.00
5	5490.000	8.15	34.54	53.64	54.07	43.12	74.00	-30.88	Peak	0.00
6	6405.000	8.89	35.23	53.14	52.32	43.30	74.00	-30.70	Peak	0.00
7	7320.000	8.46	35.70	53.17	52.92	43.91	74.00	-30.09	Peak	0.00
8	8235.000	9.32	36.67	53.22	53.71	46.48	74.00	-27.52	Peak	0.00
9	9150.000	10.65	37.00	53.54	53.17	47.28	74.00	-26.72	Peak	0.00



Test Mode: 01; Polarity: Horizontal; Modulation: 2-FSK; Channel: High

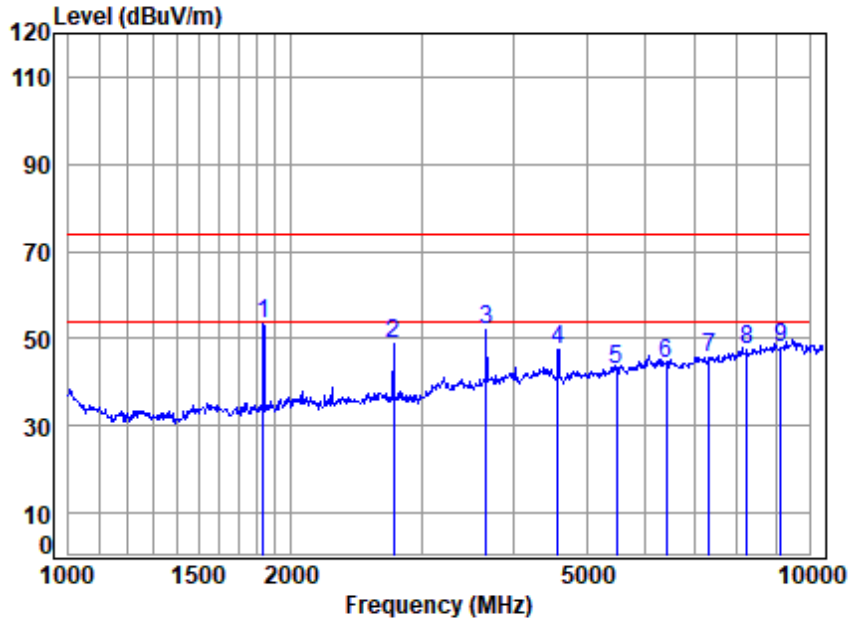


Site : chamber
Condition: 3m HORIZONTAL
Job No : 03824AT\03825AT
Mode : 916M RSE TX

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 p	1832.000	5.00	27.00	54.86	78.94	56.08	74.00	-17.92	Peak	0.00
2 q	2748.000	5.66	29.70	54.98	73.02	53.40	54.00	-0.60	Average	0.00
3	2748.000	5.66	29.70	54.98	75.49	55.87	74.00	-18.13	Peak	0.00
4	3664.000	6.43	32.78	54.51	63.25	47.95	74.00	-26.05	Peak	0.00
5	4580.000	7.24	33.30	54.24	58.56	44.86	74.00	-29.14	Peak	0.00
6	5496.000	8.16	34.52	53.63	54.24	43.29	74.00	-30.71	Peak	0.00
7	7328.000	8.46	35.70	53.17	53.46	44.45	74.00	-29.55	Peak	0.00
8	8244.000	9.33	36.69	53.23	53.92	46.71	74.00	-27.29	Peak	0.00
9	9160.000	10.65	37.02	53.53	53.83	47.97	74.00	-26.03	Peak	0.00



Test Mode: 01; Polarity: Vertical; Modulation: 2-FSK; Channel: High



Site : chamber
Condition: 3m VERTICAL
Job No : 03824AT\03825AT
Mode : 916M RSE TX

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 p	1832.000	5.00	27.00	54.86	76.16	53.30	74.00	-20.70	Peak	0.00
2	2748.000	5.66	29.70	54.98	68.51	48.89	74.00	-25.11	Peak	0.00
3	3664.000	6.43	32.78	54.51	67.09	51.79	74.00	-22.21	Peak	0.00
4	4580.000	7.24	33.30	54.24	61.08	47.38	74.00	-26.62	Peak	0.00
5	5496.000	8.16	34.52	53.63	53.75	42.80	74.00	-31.20	Peak	0.00
6	6412.000	8.89	35.27	53.14	53.46	44.48	74.00	-29.52	Peak	0.00
7	7328.000	8.46	35.70	53.17	54.71	45.70	74.00	-28.30	Peak	0.00
8	8244.000	9.33	36.69	53.23	54.46	47.25	74.00	-26.75	Peak	0.00
9	9160.000	10.65	37.02	53.53	53.74	47.88	74.00	-26.12	Peak	0.00



7.3 Conducted Peak Output Power

Test Requirement 47 CFR Part 15, Subpart C 15.247(b)(2)

Test Method: ANSI C63.10 (2020) Section 7.8.5

Limit:

Frequency range(MHz)	Output power of the intentional radiator(watt)
902-928	1 for ≥ 50 hopping channels
	0.25 for $25 \leq$ hopping channels < 50
	1 for digital modulation
2400-2483.5	1 for ≥ 75 non-overlapping hopping channels
	0.125 for all other frequency hopping systems
	1 for digital modulation
5725-5850	1 for frequency hopping systems and digital modulation

7.3.1 E.U.T. Operation

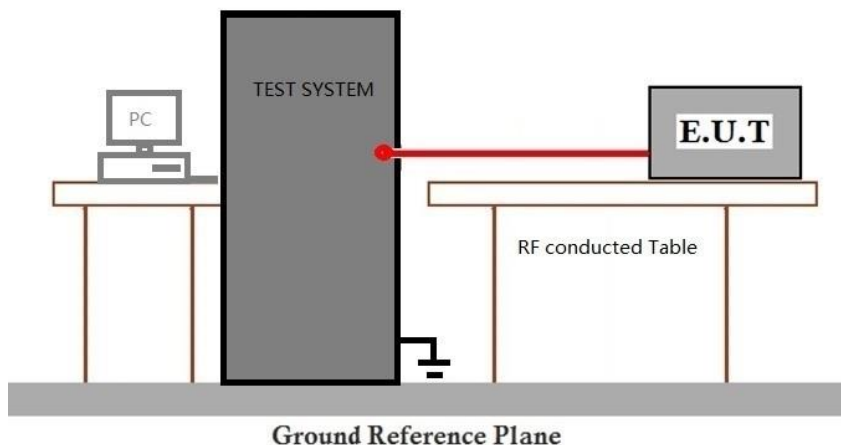
Operating Environment:

Temperature: 20.9 °C

Humidity: 52.5 % RH

Atmospheric Pressure: 1020 mbar

7.3.2 Test Setup Diagram



7.3.3 Measurement Procedure and Data

Note: Since the verify power the same operating range bandwidth and smaller power can be covered by the higher power.

Please Refer to Appendix for Details



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7.4 20dB Bandwidth

Test Requirement 47 CFR Part 15, Subpart C 15.247(a)(1)

Test Method: ANSI C63.10 (2020) Section 6.9.2

Limit:

20 dB bandwidth of the hopping channel	Hopping frequencies	Average time of occupancy
less than 250 kHz	least 50 hopping frequencies	shall not be greater than 0.4 seconds within a 20 second period
250 kHz to 500kHz	least 25 hopping frequencies	shall not be greater than 0.4 seconds within a 10 second period.

7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 20.9 °C

Humidity: 52.5 % RH

Atmospheric Pressure: 1020 mbar

7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX_non-Hop mode_Keep the EUT in continuously transmitting mode with 2-FSK modulation.



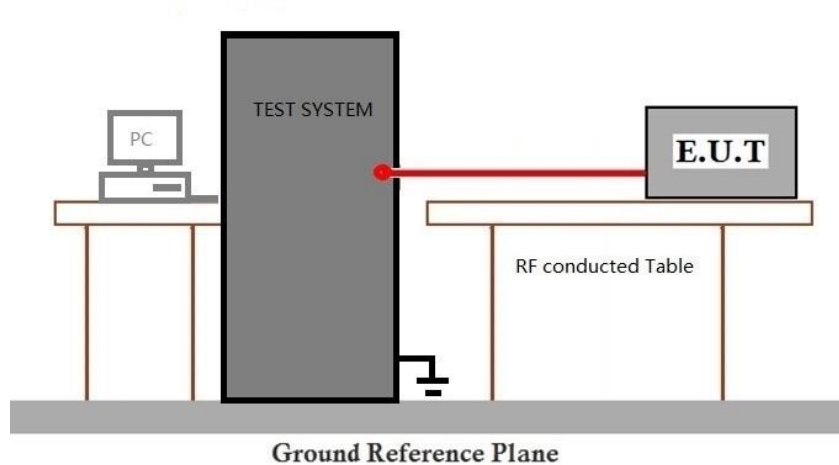
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Inspection & Testing Laboratory

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7.4.3 Test Setup Diagram



7.4.4 Measurement Procedure and Data

Please Refer to Appendix for Details



7.5 Carrier Frequencies Separation

Test Requirement 47 CFR Part 15, Subpart C 15.247a(1)

Test Method: ANSI C63.10 (2020) Section 7.8.2

Limit:

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW.

7.5.1 E.U.T. Operation

Operating Environment:

Temperature: 20.9 °C

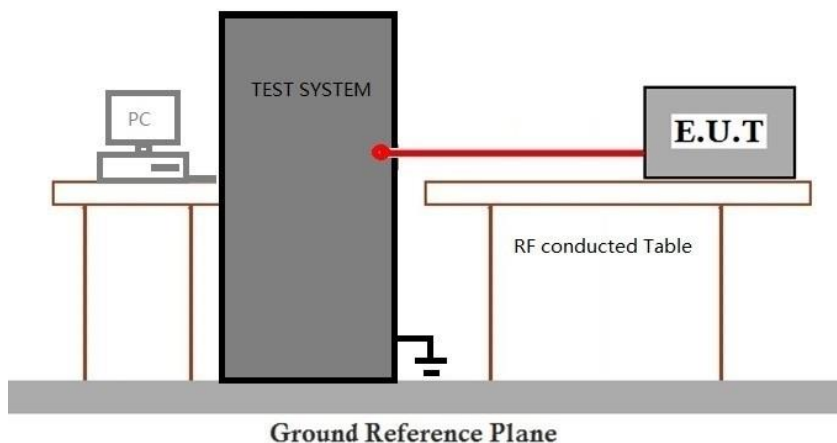
Humidity: 52.5 % RH

Atmospheric Pressure: 1020 mbar

7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX_Hop mode_Keep the EUT in frequency hopping mode with 2-FSK modulation.

7.5.3 Test Setup Diagram



7.5.4 Measurement Procedure and Data

Please Refer to Appendix for Details



7.6 Hopping Channel Number

Test Requirement 47 CFR Part 15, Subpart C 15.247a(1)(i)

Test Method: ANSI C63.10 (2020) Section 7.8.3

Limit:

Frequency range(MHz)	Number of hopping channels (minimum)
902-928	50 for 20dB bandwidth <250kHz
	25 for 20dB bandwidth ≥250kHz
2400-2483.5	15
5725-5850	75

7.6.1 E.U.T. Operation

Operating Environment:

Temperature: 20.9 °C

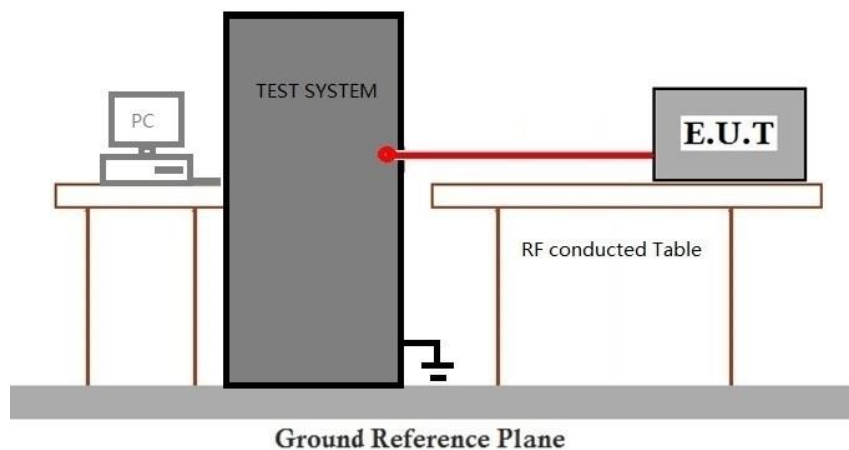
Humidity: 52.5 % RH

Atmospheric Pressure: 1020 mbar

7.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX_Hop mode_Keep the EUT in frequency hopping mode with 2-FSK modulation.

7.6.3 Test Setup Diagram



7.6.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.7 Dwell Time

Test Requirement 47 CFR Part 15, Subpart C 15.247a(1)(i)

Test Method: ANSI C63.10 (2020) Section 7.8.4

Limit:

Frequency(MHz)	Limit
902-928	0.4S within a 20S period(20dB bandwidth<250kHz)
	0.4S within a 10S period(20dB bandwidth≥250kHz)
2400-2483.5	0.4S within a period of 0.4S multiplied by the number of hopping channels
5725-5850	0.4S within a 30S period

7.7.1 E.U.T. Operation

Operating Environment:

Temperature: 20.9 °C

Humidity: 52.5 % RH

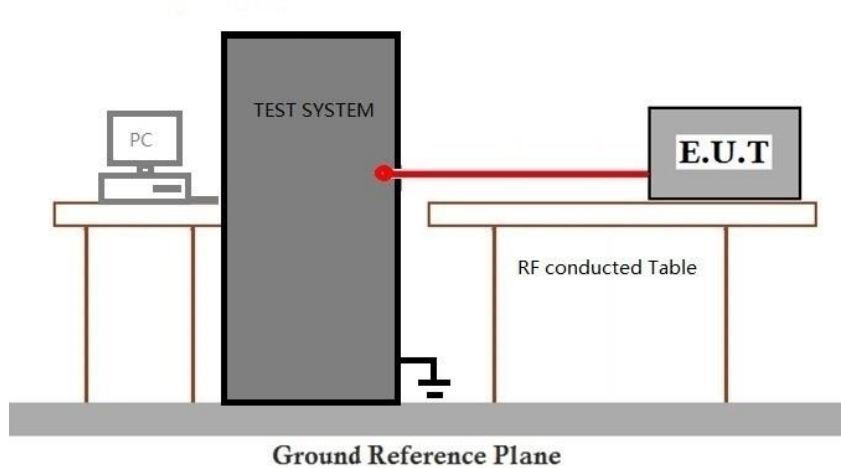
Atmospheric Pressure: 1020 mbar

7.7.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX_Hop mode_Keep the EUT in frequency hopping mode with 2-FSK modulation.



7.7.3 Test Setup Diagram



7.7.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.8 Conducted Band Edges Measurement

Test Requirement 47 CFR Part 15, Subpart C 15.247(d)

Test Method: ANSI C63.10 (2020) Section 7.8.7.2

Limit:

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 limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

7.8.1 E.U.T. Operation

Operating Environment:

Temperature: 20.9 °C

Humidity: 52.5 % RH

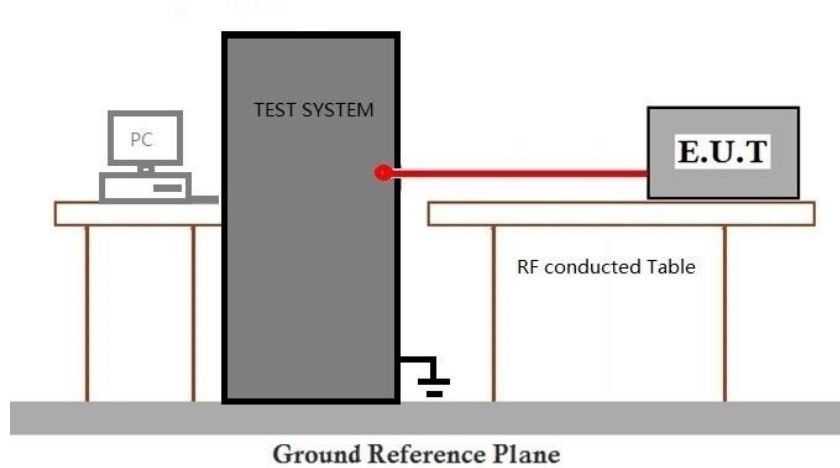
Atmospheric Pressure: 1020 mbar

7.8.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX_Hop mode_Keep the EUT in frequency hopping mode with 2-FSK modulation.
Final test	01	TX_non-Hop mode_Keep the EUT in continuously transmitting mode with 2-FSK modulation.



7.8.3 Test Setup Diagram



7.8.4 Measurement Procedure and Data

Please Refer to Appendix for Details



7.9 Conducted Spurious Emissions

Test Requirement 47 CFR Part 15, Subpart C 15.247(d)

Test Method: ANSI C63.10 (2020) Section 7.8.7

Limit:

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 limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

7.9.1 E.U.T. Operation

Operating Environment:

Temperature: 20.9 °C

Humidity: 52.5 % RH

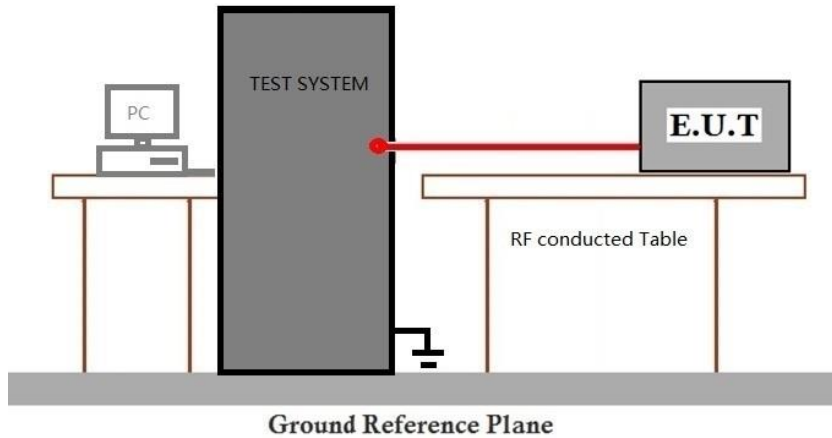
Atmospheric Pressure: 1020 mbar

7.9.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX_non-Hop mode_Keep the EUT in continuously transmitting mode with 2-FSK modulation.



7.9.3 Test Setup Diagram



7.9.4 Measurement Procedure and Data

Please Refer to Appendix for Details

8 Test Setup Photo

Refer to Setup Photo for SZCR2508003824AT

9 EUT Constructional Details (EUT Photos)

Refer to External and Internal Photos for SZCR2508003824AT



10 Appendix

1. Duty Cycle

1.1 Test Result

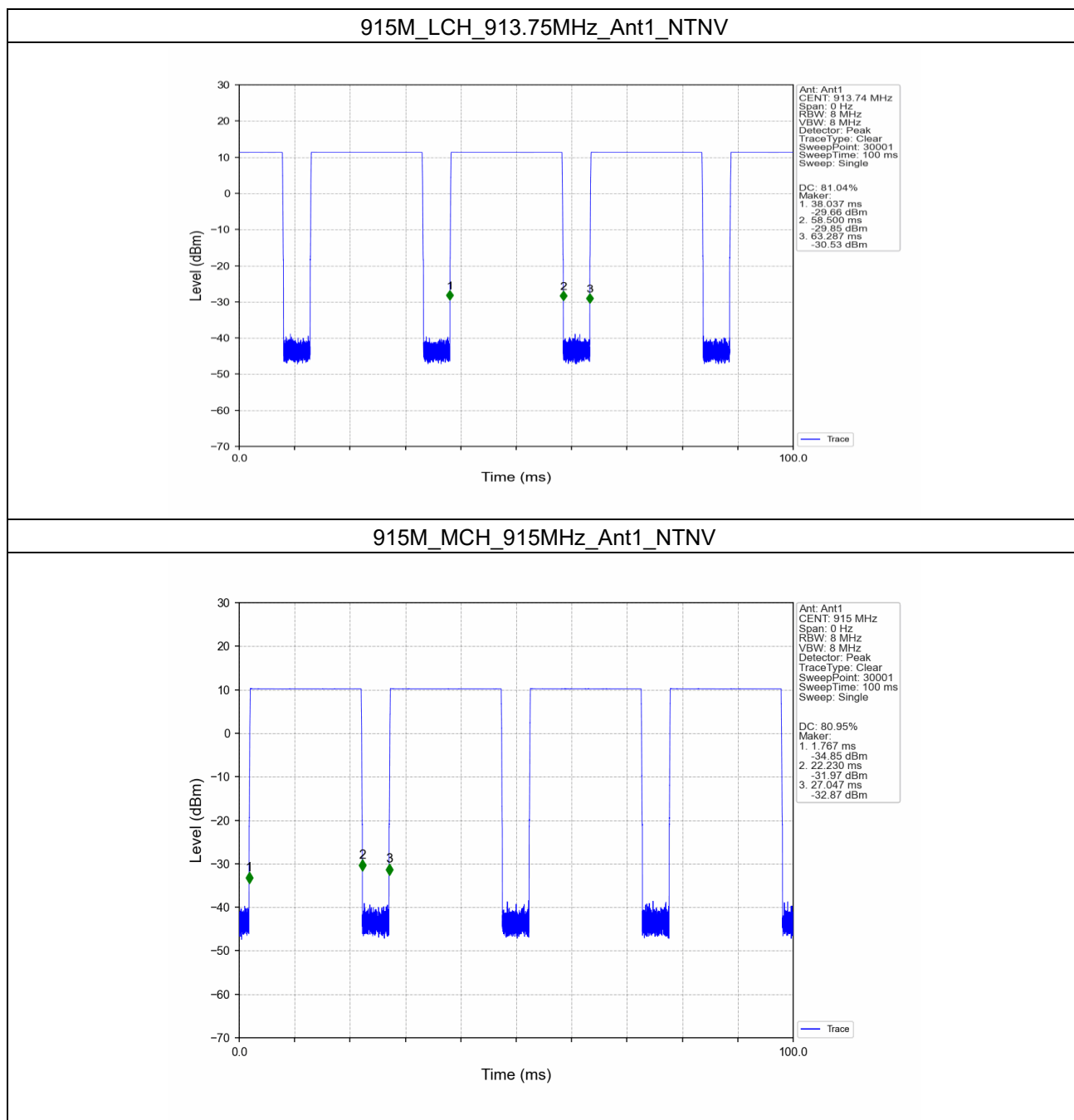
1.1.1 Ant1

Ant1							
Mode	TX Type	Frequency (MHz)	T _{on} (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
915M	SISO	913.75	20.463	25.250	81.04	0.91	0.01
		915	20.463	25.280	80.95	0.92	0.01
		916.30	20.463	25.260	81.01	0.91	0.01

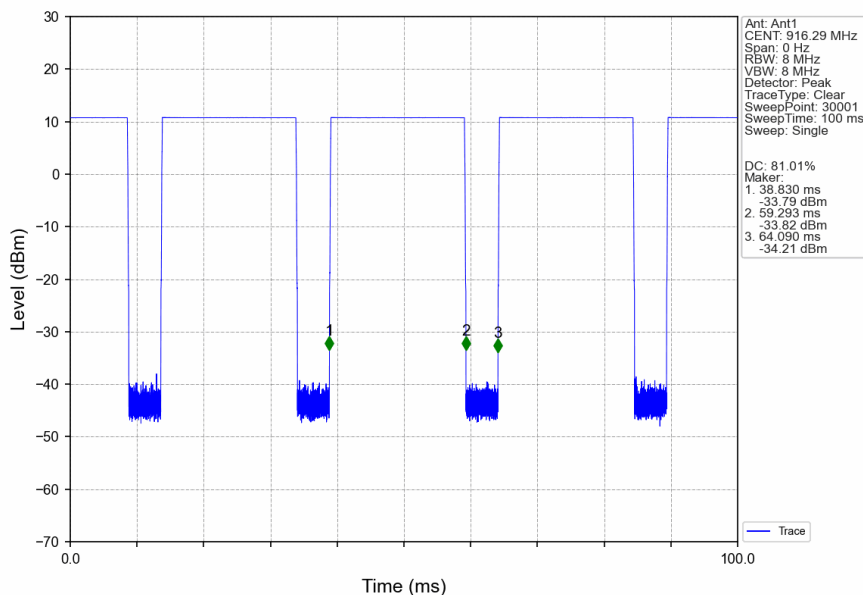


1.2 Test Graph

1.2.1 Ant1



915M_HCH_916.30MHz_Ant1_NTNV



2. Bandwidth

2.1 Test Result

2.1.1 OBW

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
915M	SISO	913.75	1	0.021	/	Pass
		915	1	0.022	/	Pass
		916.30	1	0.022	/	Pass

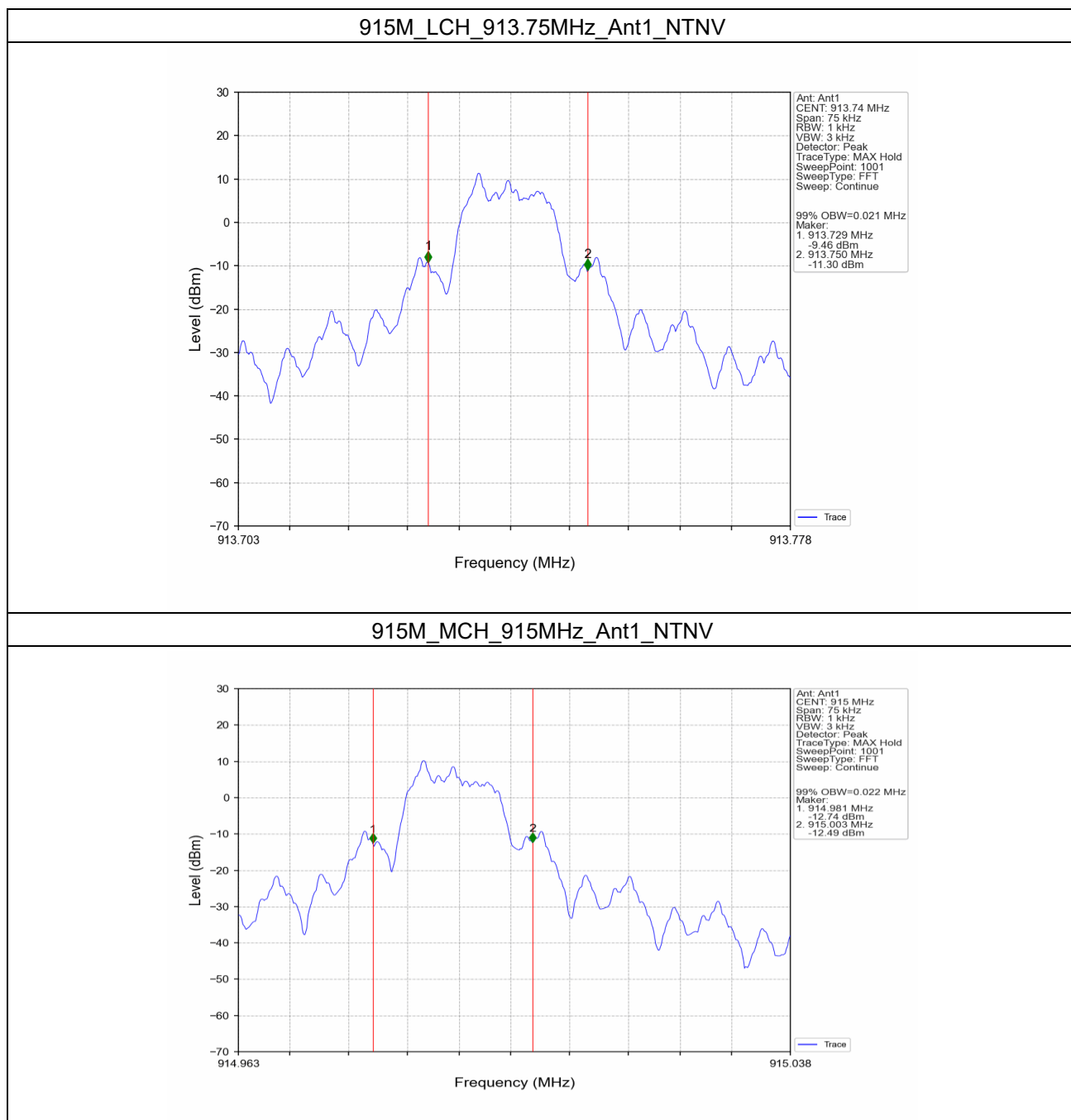
2.1.2 20dB BW

Mode	TX Type	Frequency (MHz)	ANT	20dB Bandwidth (MHz)		Verdict
				Result	Limit	
915M	SISO	913.75	1	0.025	0.25	Pass
		915	1	0.024	0.25	Pass
		916.30	1	0.024	0.25	Pass

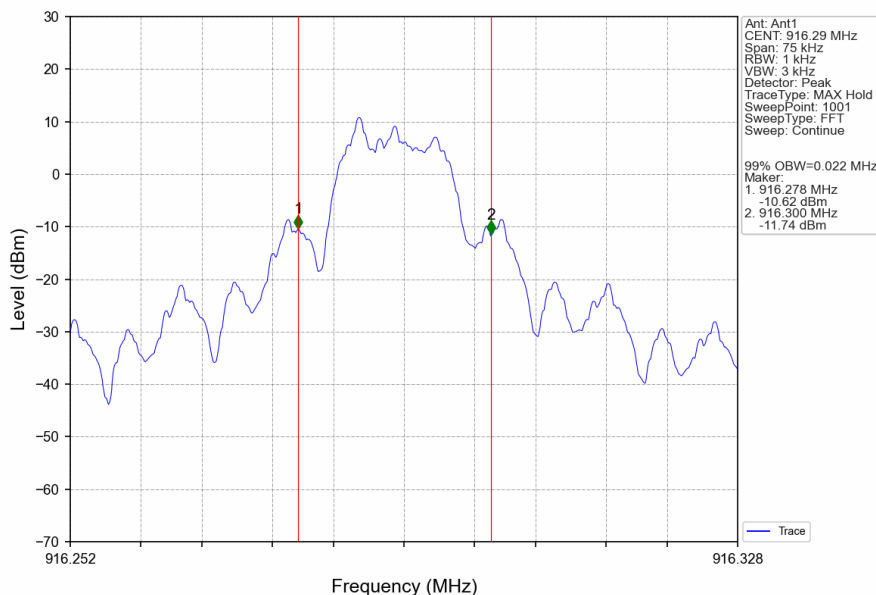


2.2 Test Graph

2.2.1 OBW



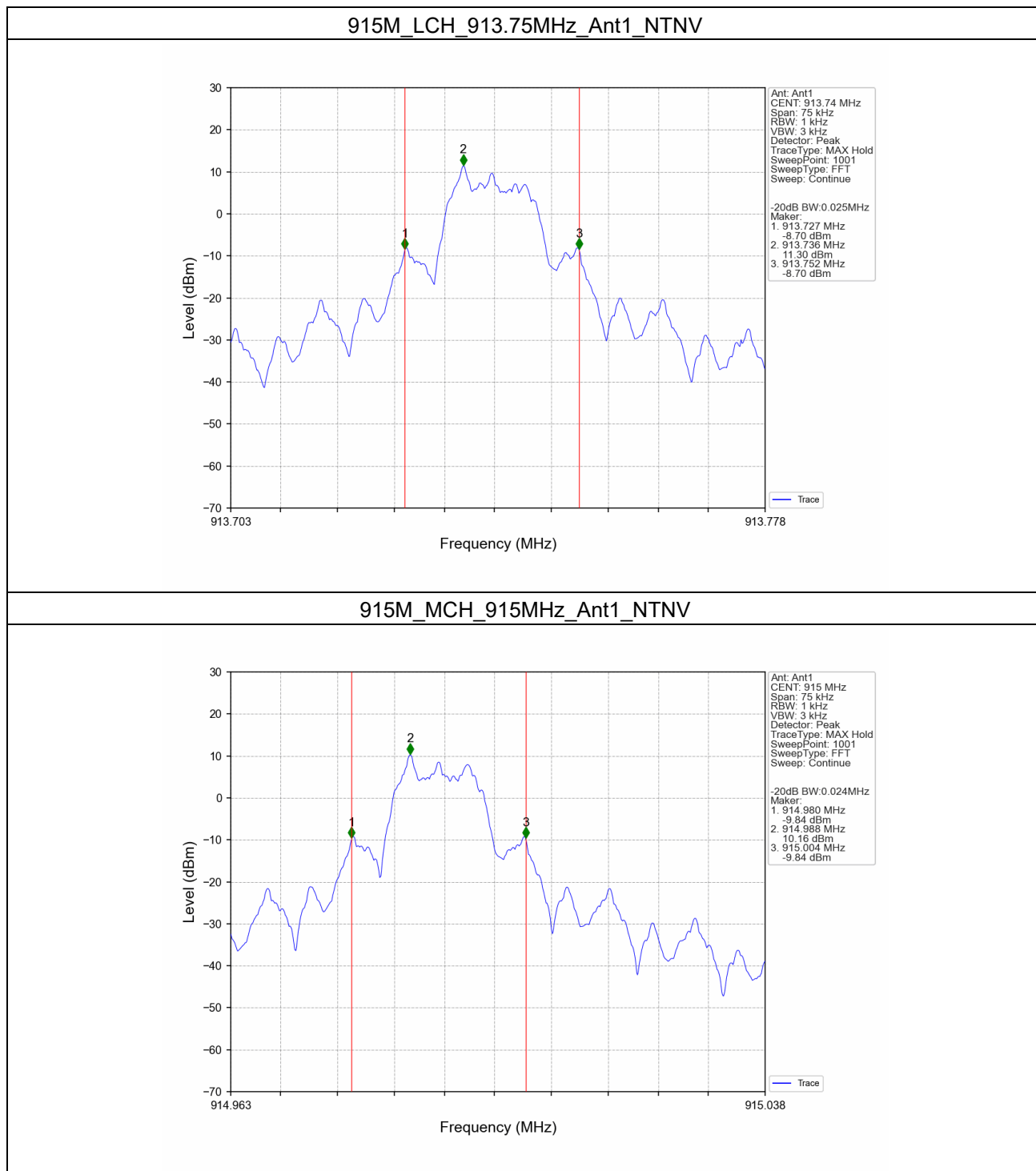
915M_HCH_916.30MHz_Ant1_NTNV



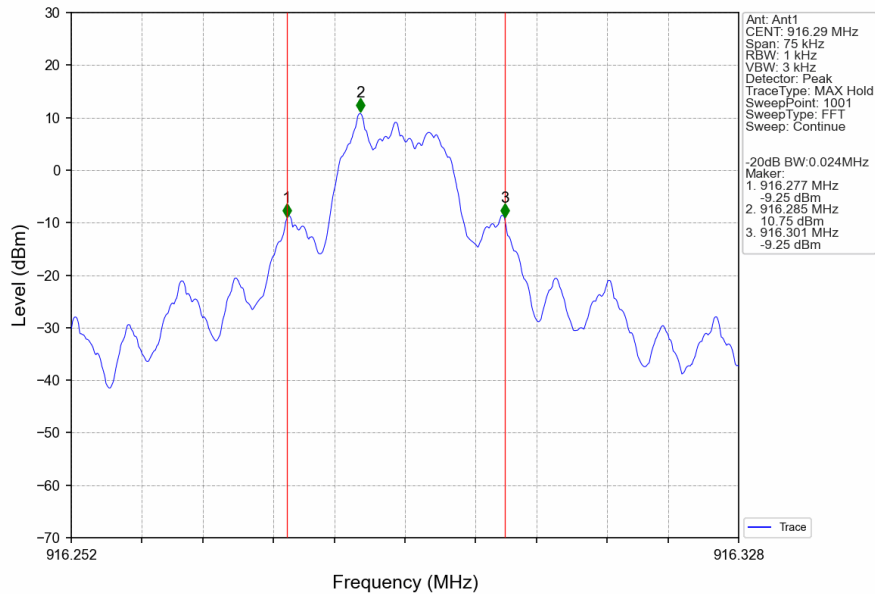
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2.2.2 20dB BW



915M_HCH_916.30MHz_Ant1_NTNV



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3. Maximum Conducted Output Power

3.1 Test Result

3.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
915M	SISO	913.75	11.36	<=30	Pass
		915	10.19	<=30	Pass
		916.30	10.82	<=30	Pass

Note1: Antenna Gain: Ant1: -1dBi;

4. Unwanted Emissions In Non-restricted Frequency Bands

4.1 Test Result

4.1.1 Ref

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
915M	SISO	913.75	1	11.37
		915	1	10.23
		916.30	1	10.83

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.

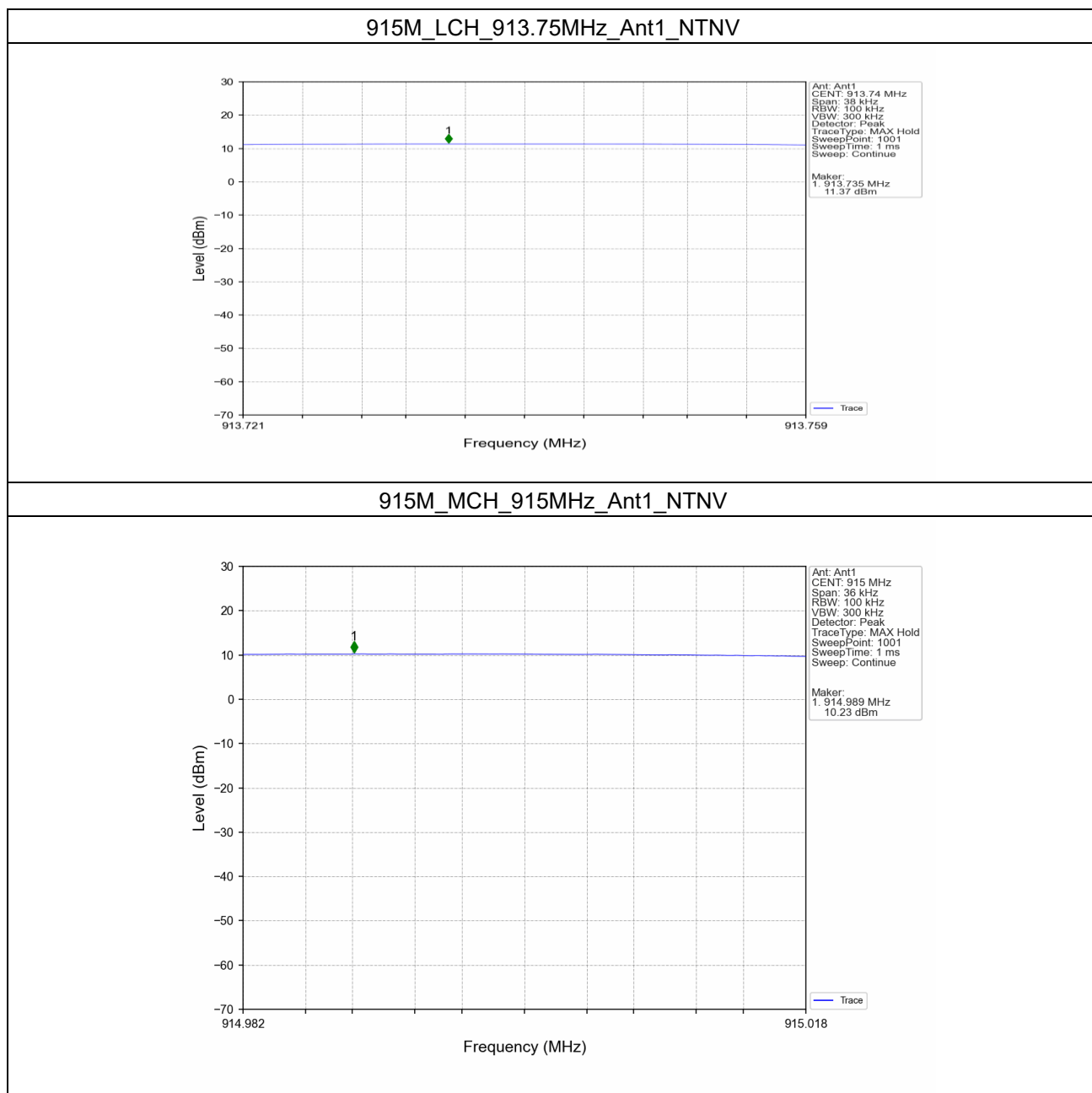
4.1.2 CSE

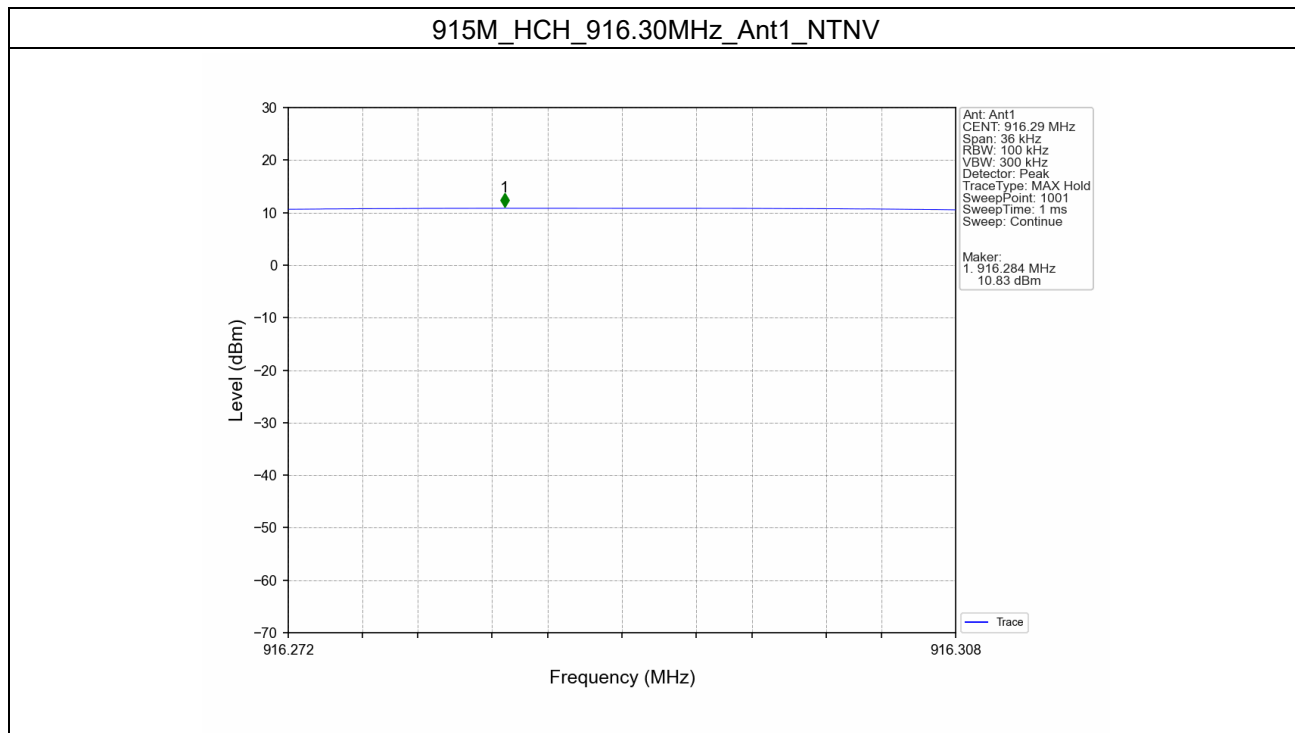
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
915M	SISO	913.75	1	11.37	-8.63	Pass
		915	1	11.37	-8.63	Pass
		916.30	1	11.37	-8.63	Pass
		HOPP	1	11.37	-8.63	Pass
				11.37	-8.63	Pass

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.

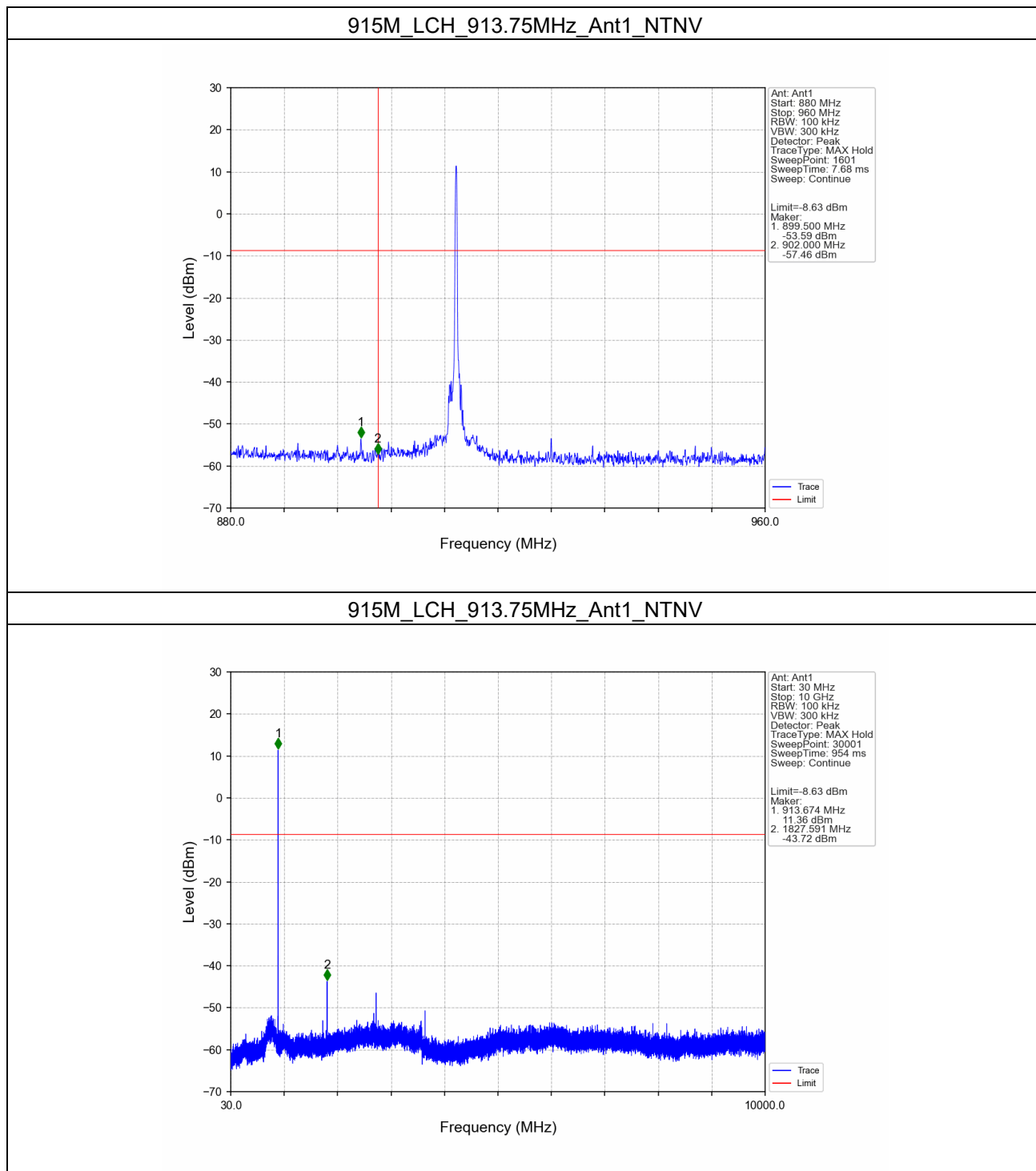
4.2 Test Graph

4.2.1 Ref

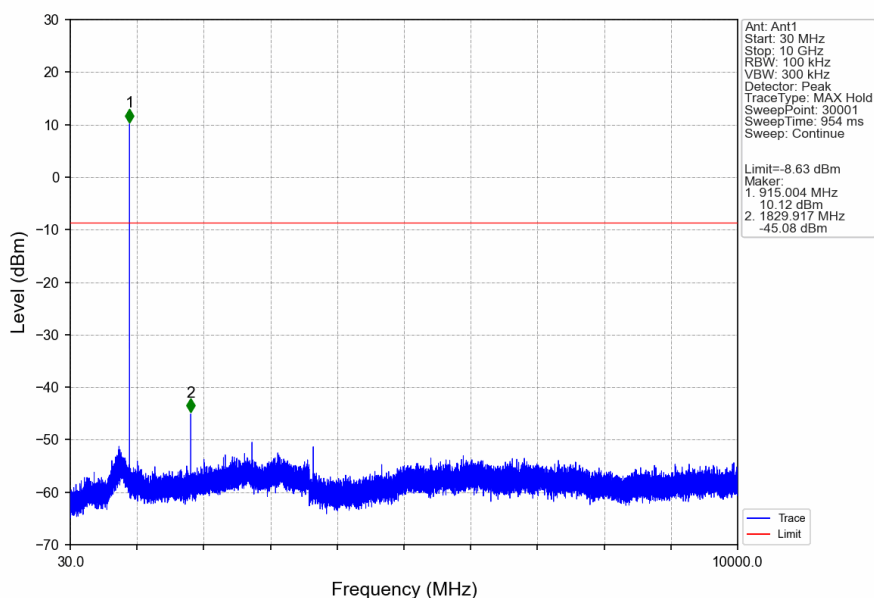




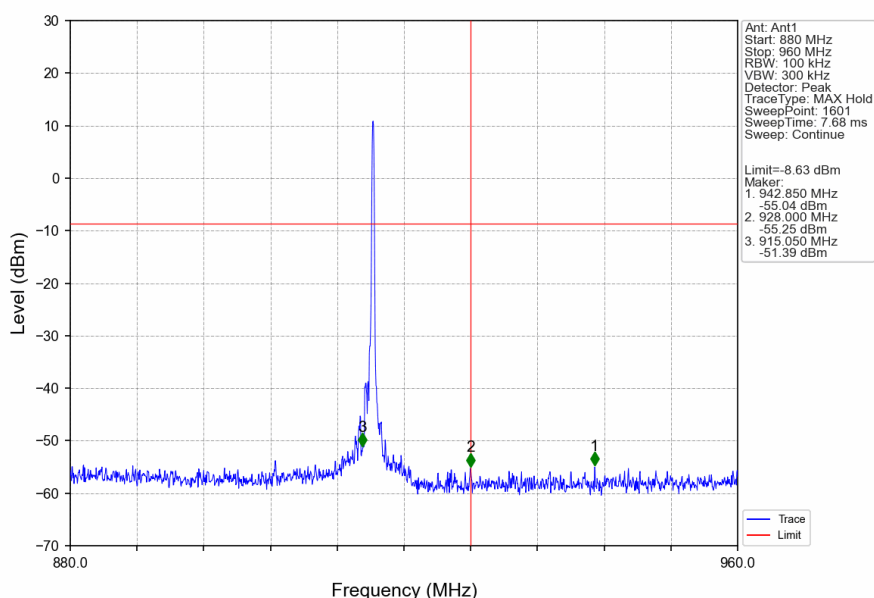
4.2.2 CSE



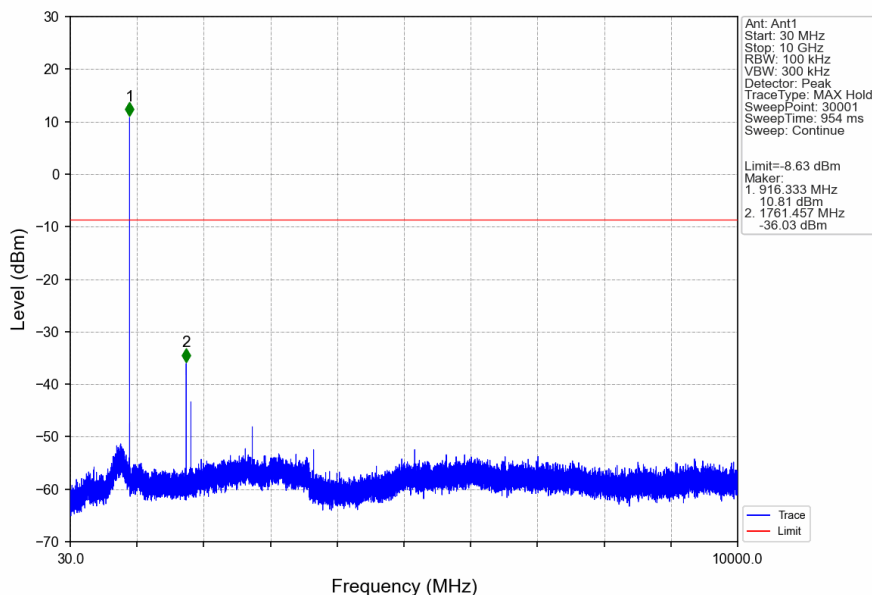
915M_MCH_915MHz_Ant1_NTNV



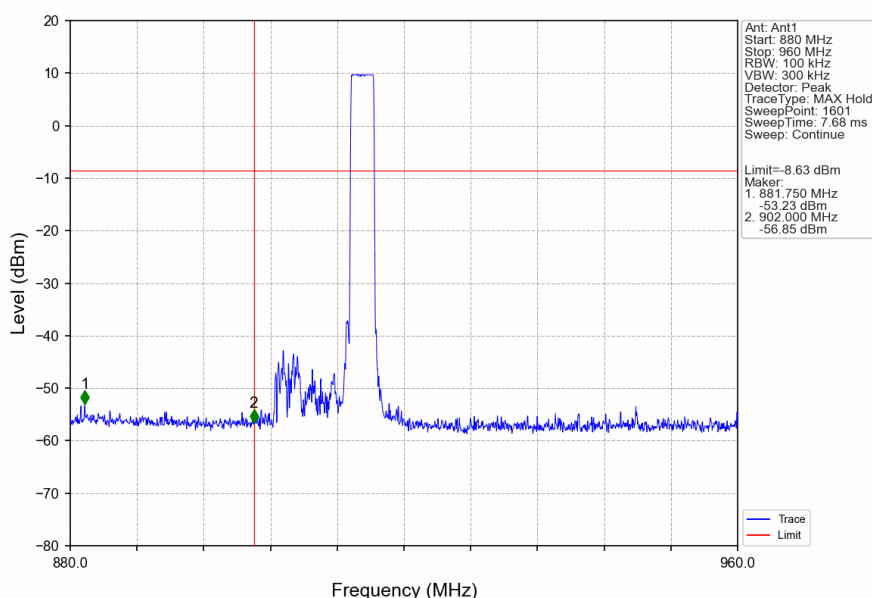
915M_HCH_916.30MHz_Ant1_NTNV



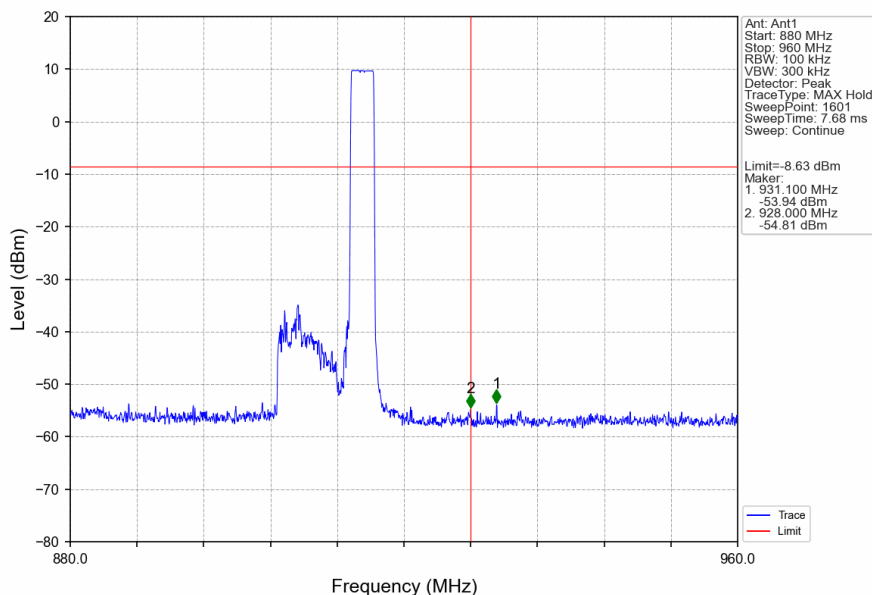
915M_HCH_916.30MHz_Ant1_NTNV



915M_HOPP_Ant1_NTNV



915M_HOPP_Ant1_NTNV



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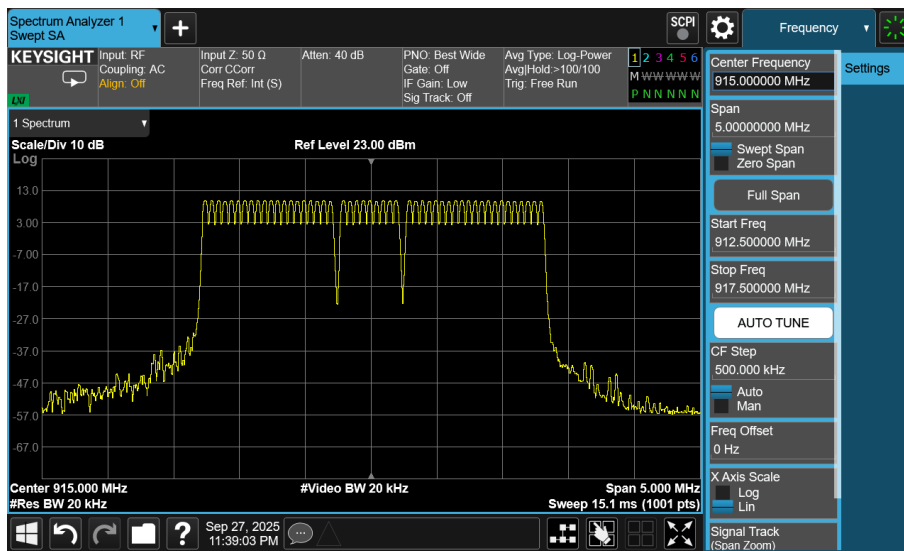
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5. Number of Hopping Frequencies

5.1 Test Result

5.1.1 HoppNum

Mode	TX Type	Frequency (MHz)	Num of Hopping Frequencies		Verdict
			ANT1	Limit	
915M	SISO	HOPP	50	>=50	Pass

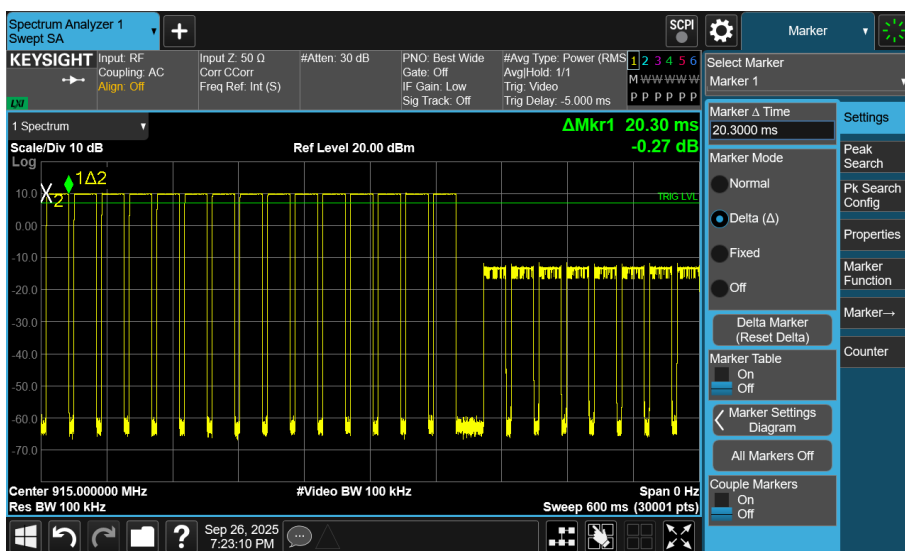
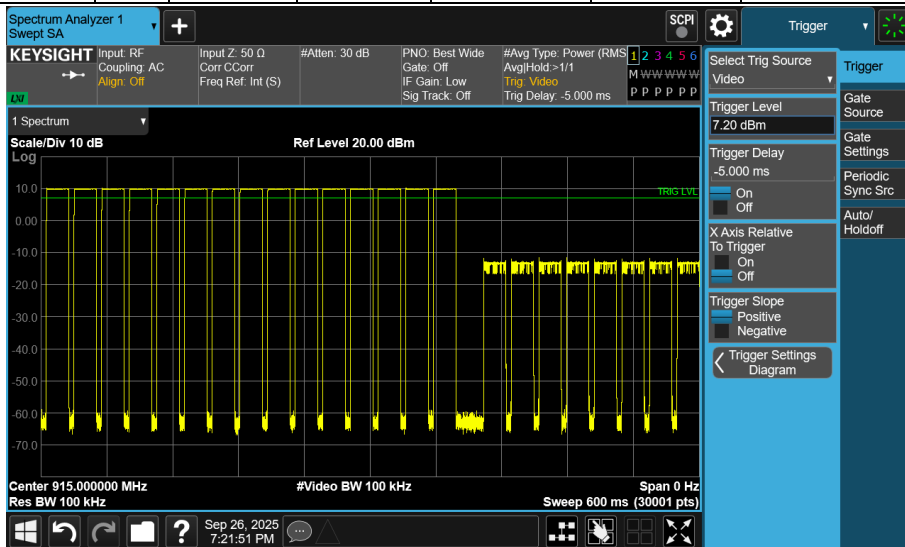


6. Time of Occupancy (Dwell Time)

6.1 Test Result

6.1.1 Ant1

Ant1									
Mode	TX Type	Frequency (MHz)	Duration of Single Pulse (ms)	Num of Pulse in one time	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limit (ms)	Verdict
915M	SISO	HOPP	20.3	14	20	1	284.2	<=400	Pass

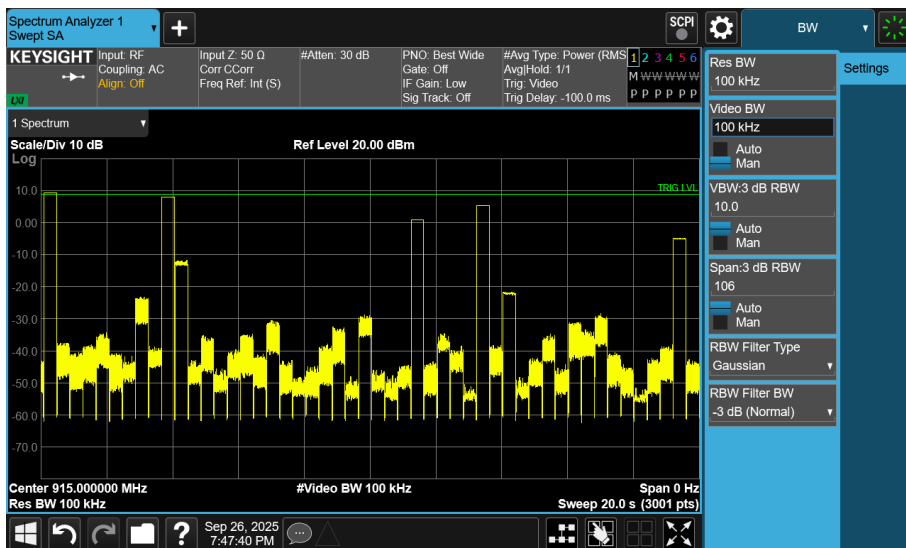


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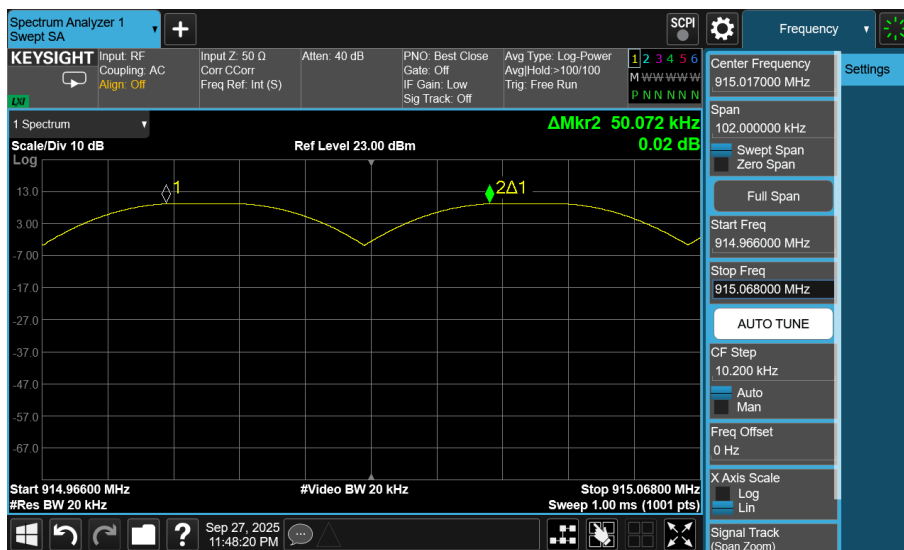
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7. Carrier Frequency Separation

7.1 Test Result

7.1.1 Ant1

Mode	TX Type	Frequency (MHz)	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limit (MHz)	Verdict
915M	SISO	HOPP	0.050	0.024	≥ 0.025	Pass



- End of the Report -